

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103244.D
 Acq On : 27 Feb 2018 3:14
 Operator : SJ/JU
 Sample : J1649-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OIL-SEP-EXC-NW@2.5MSD

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:23:22 PM

Quant Time: Feb 27 04:59:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140815	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	555232	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	211612	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	320410	20.00	ng	0.00
75) Chrysene-d12	14.06	240	207609	20.00	ng	0.00
86) Perylene-d12	15.55	264	152579	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	1141164	122.57	ng	0.02
7) Phenol-d6	6.52	99	1351777	118.65	ng	0.01
23) Nitrobenzene-d5	7.45	82	867000	89.18	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	199912	111.61	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1104834	91.59	ng	0.00
78) Terphenyl-d14	12.99	244	837187	96.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	198572	40.381	ng	91
3) Pyridine	3.49	79	544076	41.443	ng	96
4) n-Nitrosodimethylamine	3.43	42	268775	50.764	ng	97
6) Aniline	6.55	93	450575	27.403	ng	98
8) 2-Chlorophenol	6.67	128	433174	44.786	ng	99
9) Benzaldehyde	6.43	77	254083	35.513	ng	99
10) Phenol	6.53	94	547421	41.390	ng	84
11) bis(2-Chloroethyl)ether	6.61	93	452030	45.032	ng	89
12) 1,3-Dichlorobenzene	6.82	146	456434	41.295	ng	97
13) 1,4-Dichlorobenzene	6.89	146	465554	42.012	ng	99
14) 1,2-Dichlorobenzene	7.05	146	422742	41.372	ng	100
15) Benzyl Alcohol	7.02	79	347381	40.463	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.15	45	736809	42.745	ng	92
17) 2-Methylphenol	7.13	107	369227	42.007	ng	96
18) Hexachloroethane	7.38	117	98279	24.362	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	285354	40.245	ng	96
20) 3+4-Methylphenols	7.29	107	416989	38.918	ng	# 60
22) Acetophenone	7.29	105	557081	42.984	ng	# 90
24) Nitrobenzene	7.46	77	465887	43.523	ng	99
25) Isophorone	7.70	82	861226	44.976	ng	99
26) 2-Nitrophenol	7.77	139	136321	27.052	ng	97
27) 2,4-Dimethylphenol	7.81	122	377559	49.017	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	541869	48.131	ng	99
29) 2,4-Dichlorophenol	8.02	162	333272	45.192	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	332754	42.372	ng	98
31) Naphthalene	8.18	128	1152246	42.388	ng	99
32) Benzoic acid	7.92	122	89179	20.272	ng	99
33) 4-Chloroaniline	8.23	127	270553	23.065	ng	99
34) Hexachlorobutadiene	8.29	225	172417	42.162	ng	97
35) Caprolactam	8.60	113	115593m	44.599	ng	
36) 4-Chloro-3-methylphenol	8.72	107	351675	42.279	ng	99
37) 2-Methylnaphthalene	8.87	142	726665	41.363	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	273917	47.349	ng	99
40) Hexachlorocyclopentadiene	9.02	237	1881	9.702	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	188793	48.500	nq	99
43) 2,4,5-Trichlorophenol	9.20	196	194916	43.536	nq	96
45) 1,1'-Biphenyl	9.33	154	816813	46.064	nq	98
46) 2-Chloronaphthalene	9.36	162	633231	45.139	nq	99
47) 2-Nitroaniline	9.46	65	268620	51.694	nq	88
48) Acenaphthylene	9.78	152	927363	42.965	nq	99
49) Dimethylphthalate	9.63	163	858135	50.550	nq	99
50) 2,6-Dinitrotoluene	9.70	165	127861	35.891	nq	94
51) Acenaphthene	9.95	154	529706	42.087	nq	99
52) 3-Nitroaniline	9.87	138	221117	48.922	nq	98
53) 2,4-Dinitrophenol	10.00	184	1730	10.804	nq	# 21
54) Dibenzofuran	10.12	168	780456	45.172	nq	97
55) 4-Nitrophenol	10.05	139	201766	72.028	nq	93
56) 2,4-Dinitrotoluene	10.11	165	134041	29.750	nq	92
57) Fluorene	10.47	166	585397	39.774	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.25	232	127131	42.271	nq	96
59) Diethylphthalate	10.33	149	726885	44.770	nq	99
60) 4-Chlorophenyl-phenylether	10.46	204	269782	43.225	nq	95
61) 4-Nitroaniline	10.49	138	211683	46.890	nq	94
62) Azobenzene	10.62	77	680552	41.180	nq	97
64) 4,6-Dinitro-2-methylphenol	10.53	198	1922	5.830	nq	89
65) n-Nitrosodiphenylamine	10.57	169	530861	47.584	nq	100
66) 4-Bromophenyl-phenylether	10.95	248	155617	46.624	nq	94
67) Hexachlorobenzene	11.02	284	158194	43.667	nq	99
68) Atrazine	11.10	200	126010	37.579	nq	99
69) Pentachlorophenol	11.22	266	123914	70.741	nq	98
70) Phenanthrene	11.43	178	777572	44.097	nq	99
71) Anthracene	11.49	178	809636	44.777	nq	99
72) Carbazole	11.64	167	788490	43.790	nq	99
73) Di-n-butylphthalate	11.96	149	1030035	45.716	nq	100
74) Fluoranthene	12.63	202	783761	44.232	nq	99
76) Benzidine	12.75	184	647323	83.402	nq	98
77) Pyrene	12.86	202	793057	48.995	nq	100
79) Butylbenzylphthalate	13.46	149	431719	50.482	nq	96
80) Benzo(a)anthracene	14.04	228	617004	45.804	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	249074	51.811	nq	98
82) Chrysene	14.09	228	557995	42.662	nq	99
83) Bis(2-ethylhexyl)phthalate	14.02	149	587135	50.876	nq	# 100
84) Di-n-octyl phthalate	14.64	149	952383	51.077	nq	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	454782	43.920	nq	98
87) Benzo(b)fluoranthene	15.12	252	450346	44.891	nq	98
88) Benzo(k)fluoranthene	15.14	252	458688	48.556	nq	99
89) Benzo(a)pyrene	15.49	252	427297	47.697	nq	98
90) Dibenzo(a,h)anthracene	17.09	278	373265	53.922	nq	99
91) Benzo(g,h,i)perylene	17.54	276	368613	54.484	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

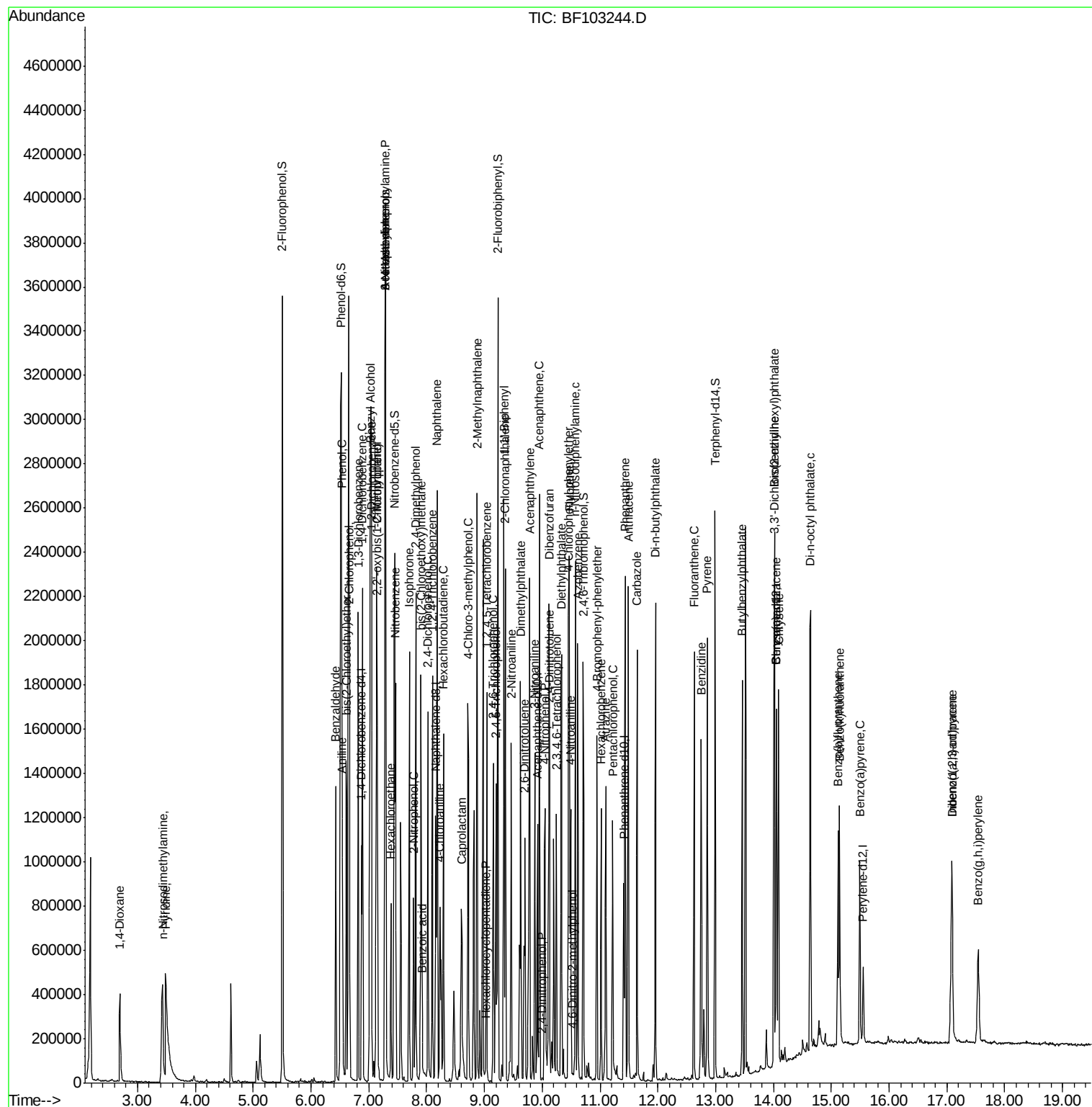
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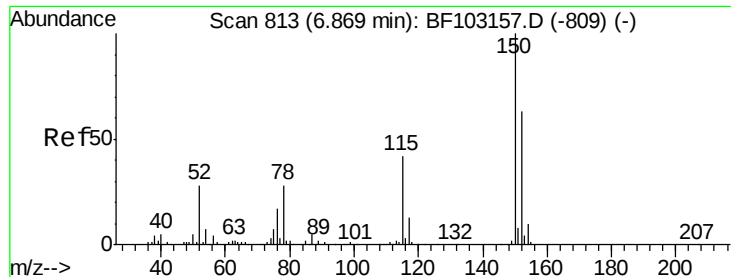
Instrument :
BNA_F
ClientSampleId :
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#1

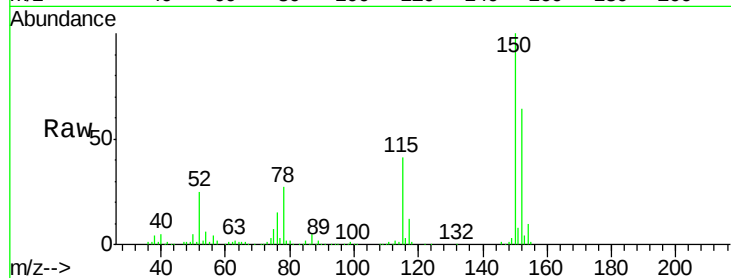
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

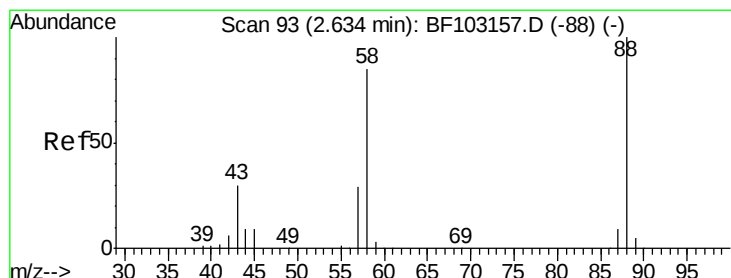
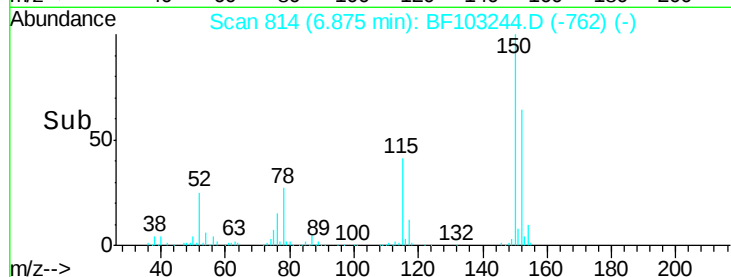
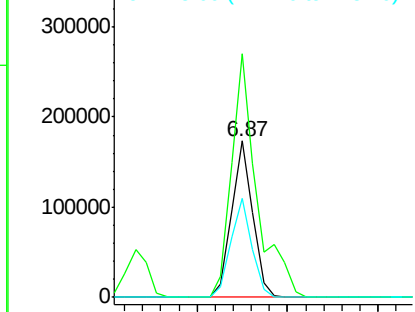
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	63.7	50.1	75.1

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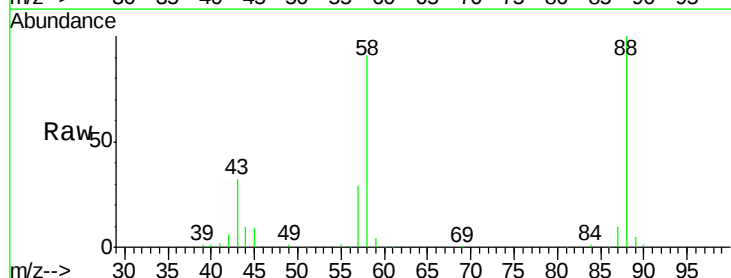
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



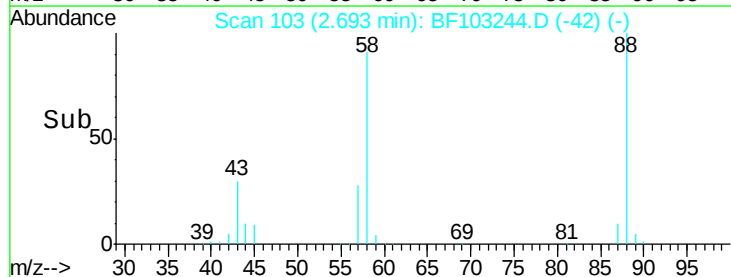
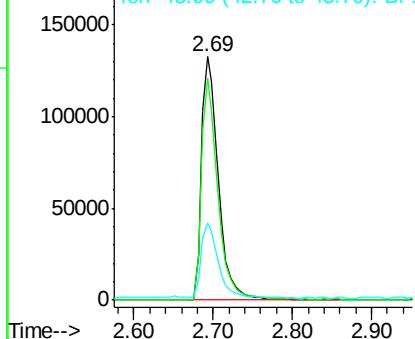
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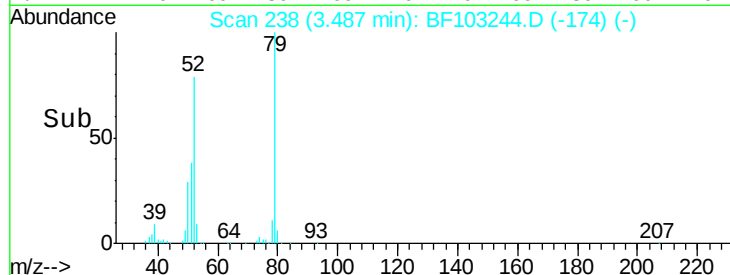
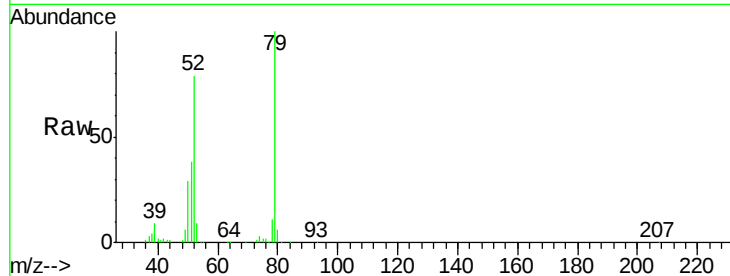
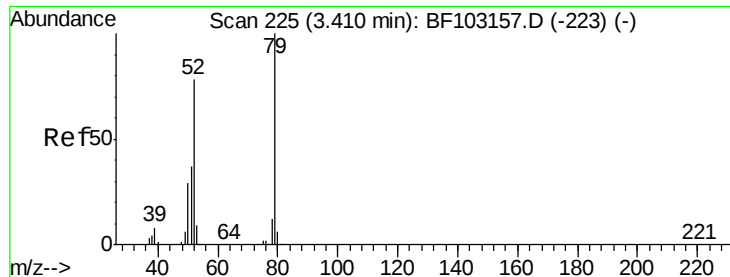
1,4-Dioxane
Concen: 40.381 ng
RT: 2.69 min Scan# 103
Delta R.T. 0.06 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.5	62.6	93.8
43	31.1	24.6	37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





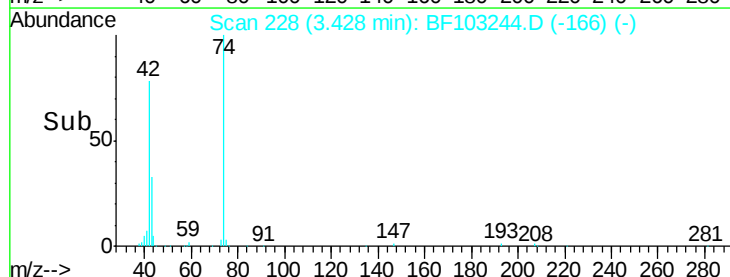
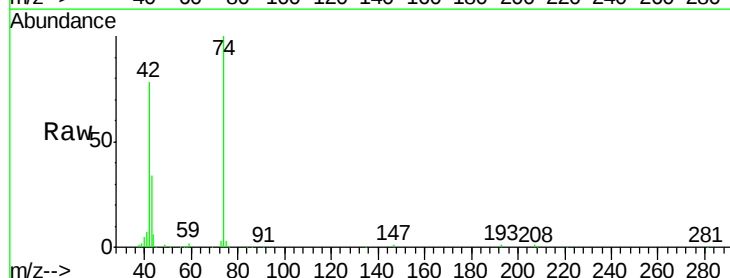
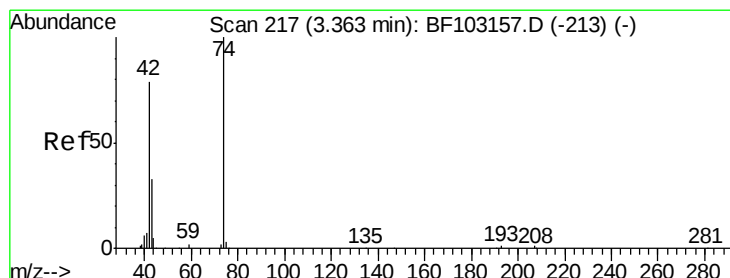
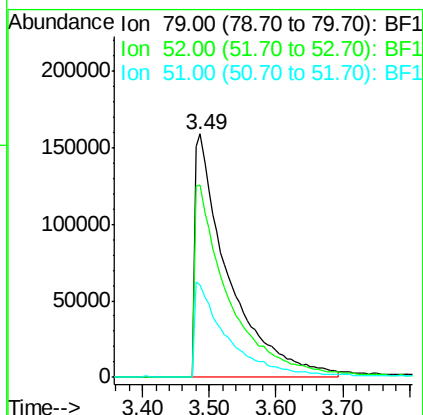
#3
 Pvridine
 Concen: 41.443 ng
 RT: 3.49 min Scan# 238
 Delta R.T. 0.08 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tot Ion	Ratio	Lower	Upper
79	100		
52	79.1	59.8	89.6
51	37.8	29.8	44.8

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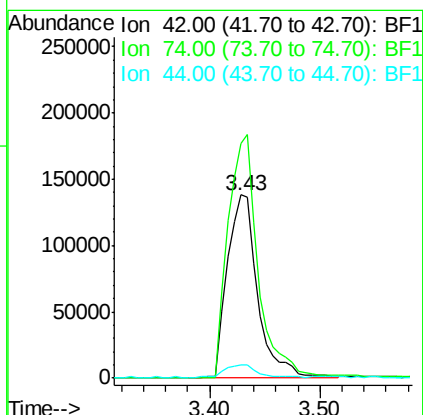
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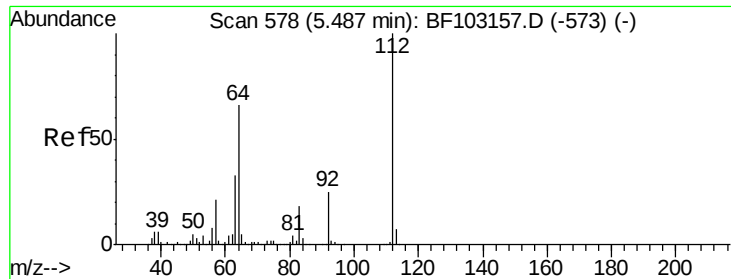
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#4
 n-Nitrosodimethylamine
 Concen: 50.764 ng
 RT: 3.43 min Scan# 228
 Delta R.T. 0.06 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
42	100		
74	128.1	104.9	157.3
44	7.2	6.9	10.3





#5

2-Fluorophenol

Concen: 122.567 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

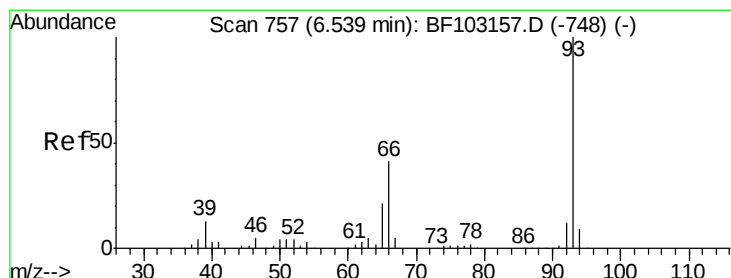
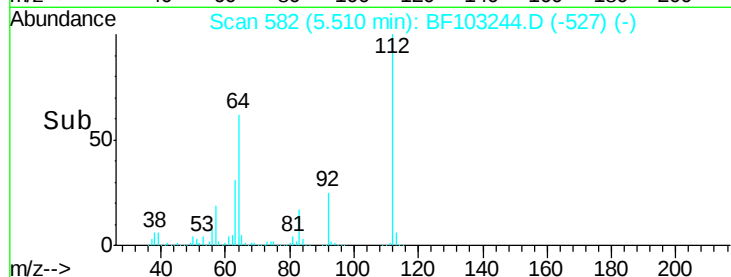
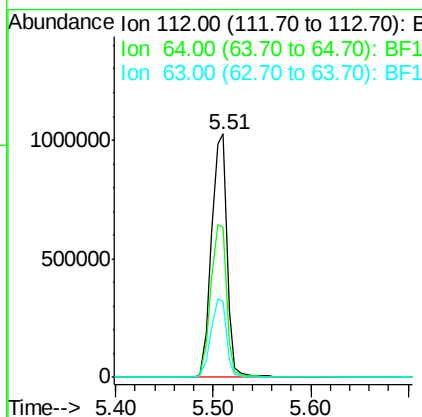
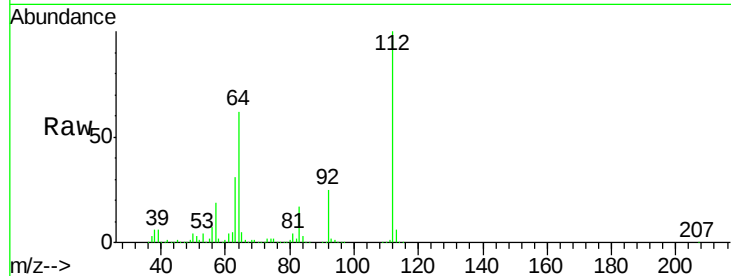
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion:	112	Resp:	1141164
Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	31.3	23.7	35.5

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#6

Aniline

Concen: 27.403 ng

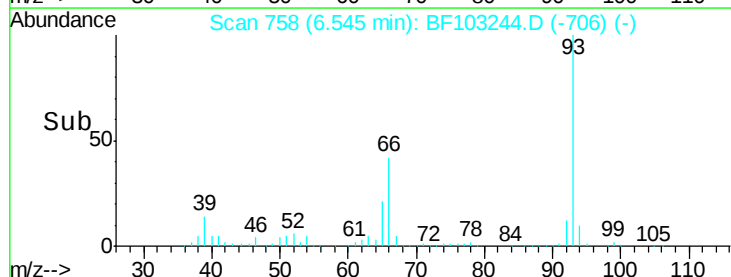
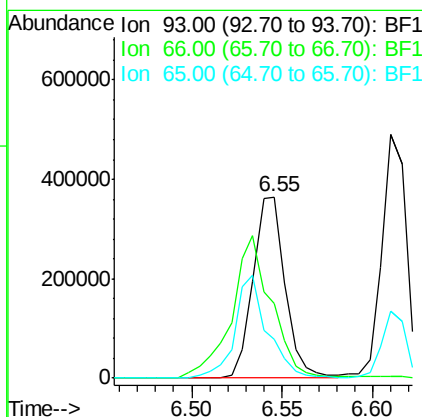
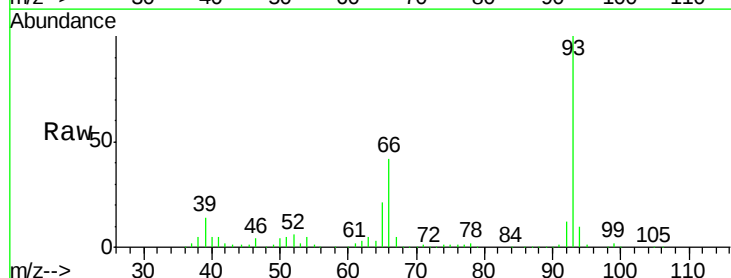
RT: 6.55 min Scan# 758

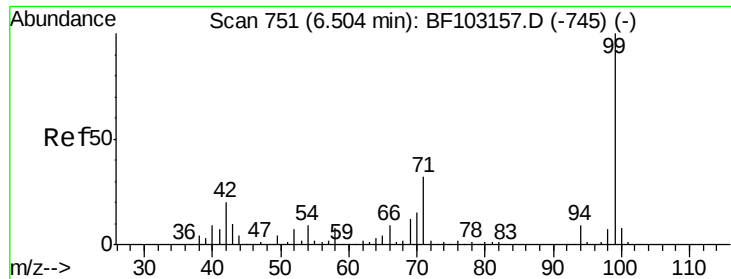
Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:	93	Resp:	450575
Ion	Ratio	Lower	Upper
93	100		
66	41.6	32.2	48.2
65	21.3	16.4	24.6





#7

Phenol-d6

Concen: 118.652 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

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Tot Ion: 99 Resp: 1351777

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

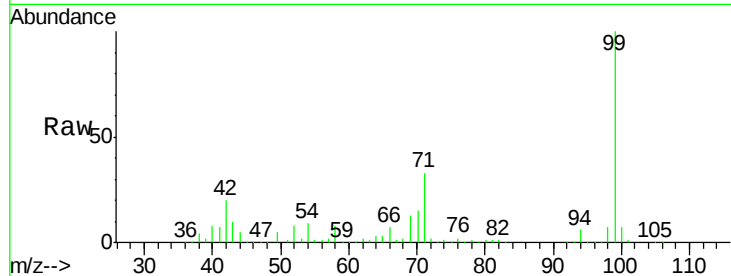
71 33.5 25.4 38.0

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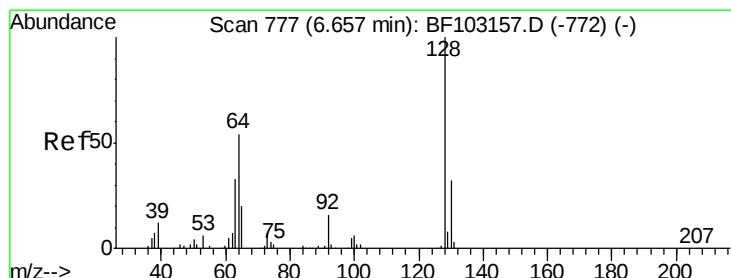
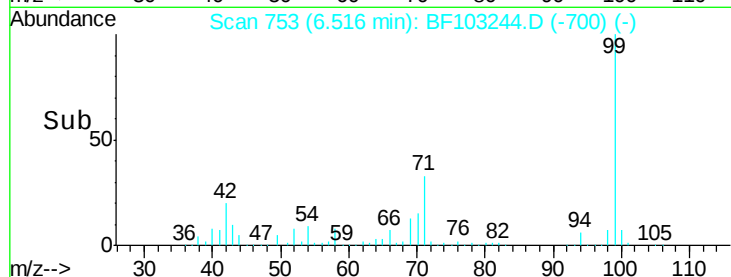
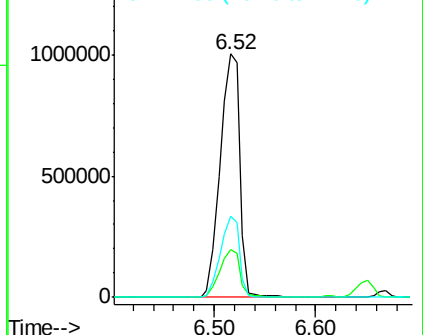
2/27/2018 12:23:22 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.786 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

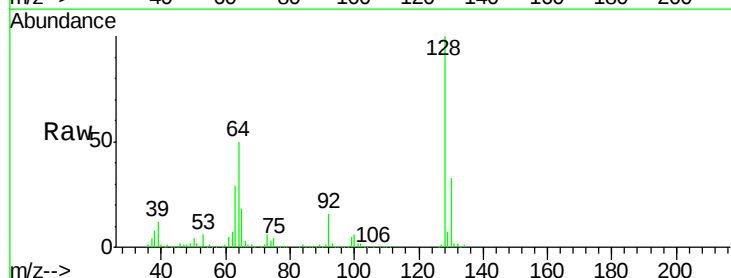
Tgt Ion: 128 Resp: 433174

Ion Ratio Lower Upper

128 100

130 33.3 13.0 53.0

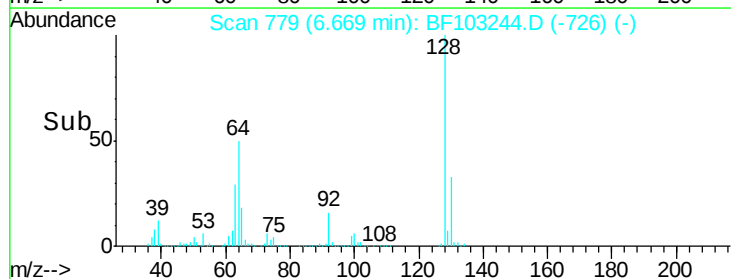
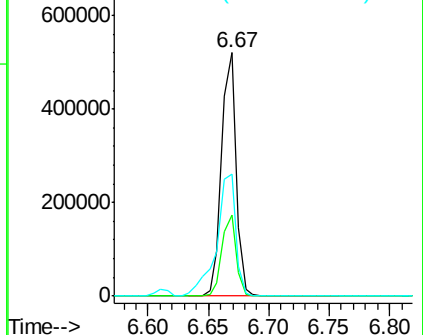
64 50.3 29.4 69.4

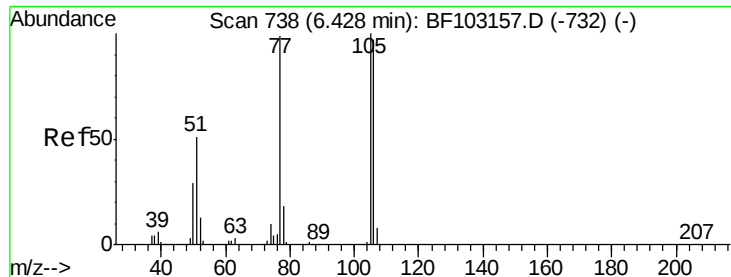


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 35.513 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

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BNA_F

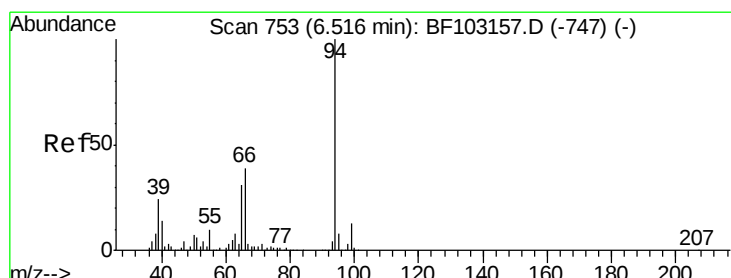
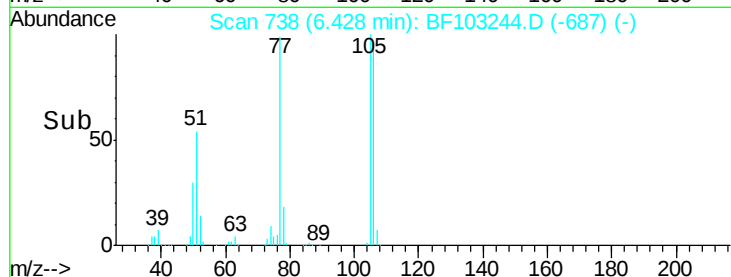
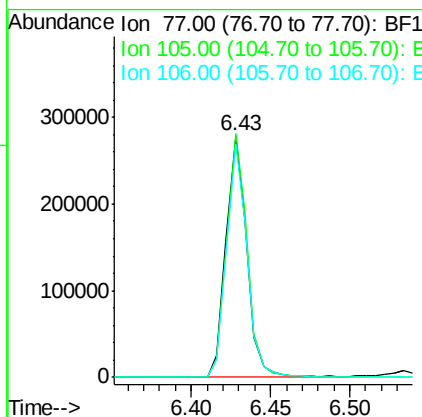
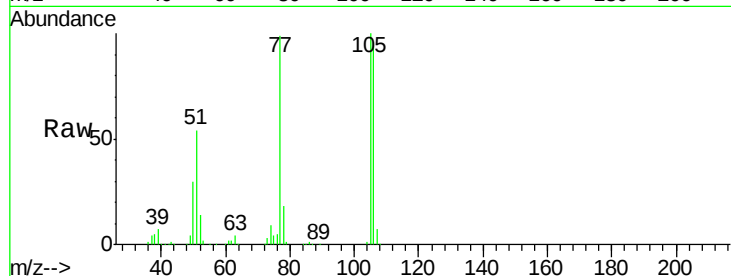
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion:	77	Resp:	254083
Ion Ratio	Lower	Upper	
77	100		
105	101.0	81.1	121.1
106	96.8	74.5	114.5

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2/27/2018 12:23:22 PM



#10

Phenol

Concen: 41.390 ng

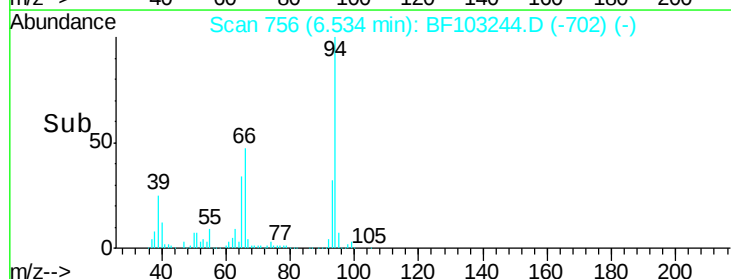
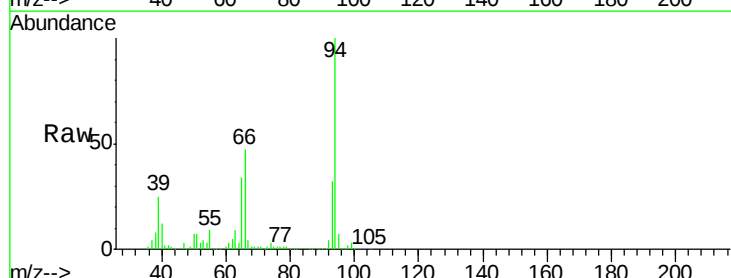
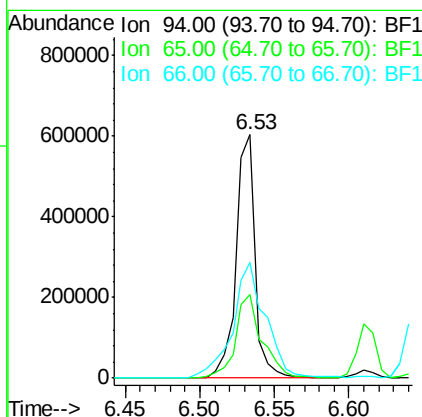
RT: 6.53 min Scan# 756

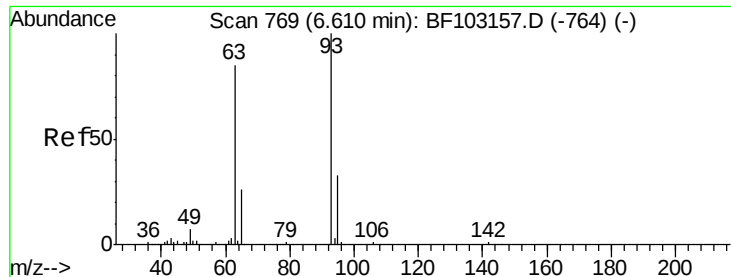
Delta R.T. 0.02 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:	94	Resp:	547421
Ion Ratio	Lower	Upper	
94	100		
65	34.4	7.9	47.9
66	47.4	16.2	56.2





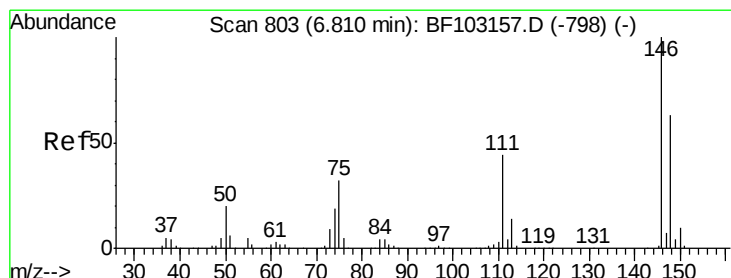
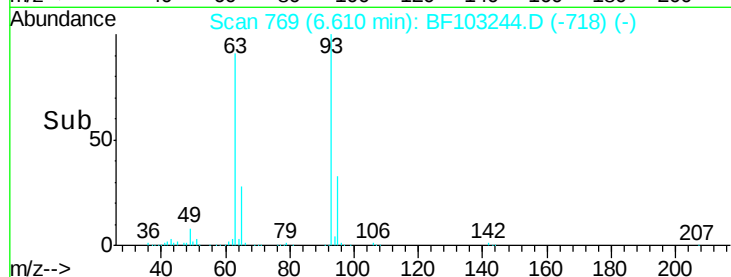
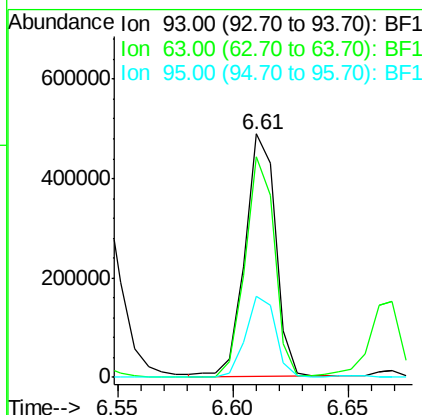
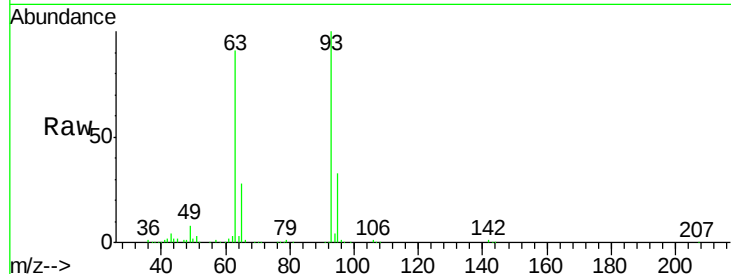
#11
bis(2-Chloroethyl)ether
Concen: 45.032 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		452030		
63	90.8	58.6		98.6	
95	33.1	11.8		51.8	

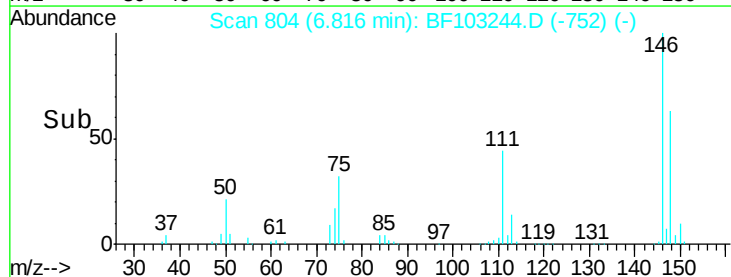
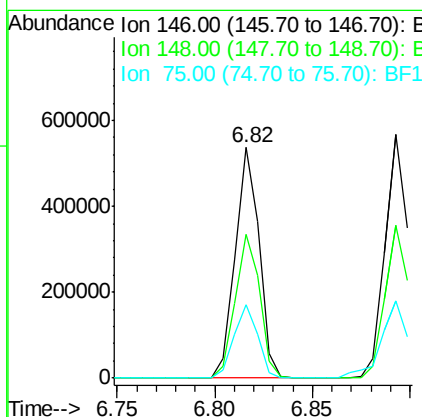
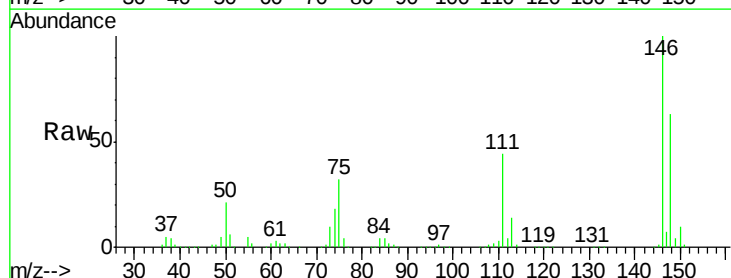
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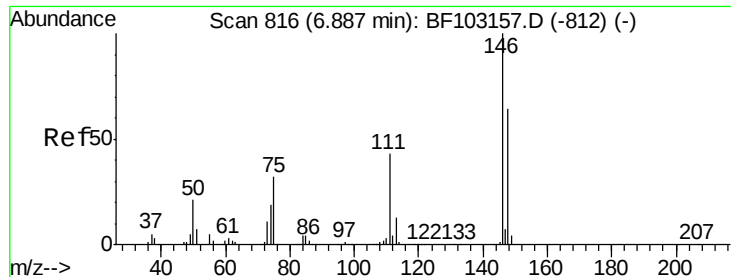
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#12
1,3-Dichlorobenzene
Concen: 41.295 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		456434		
148	62.5	51.8		77.8	
75	31.8	24.2		36.4	





#13

1,4-Dichlorobenzene

Concen: 42.012 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

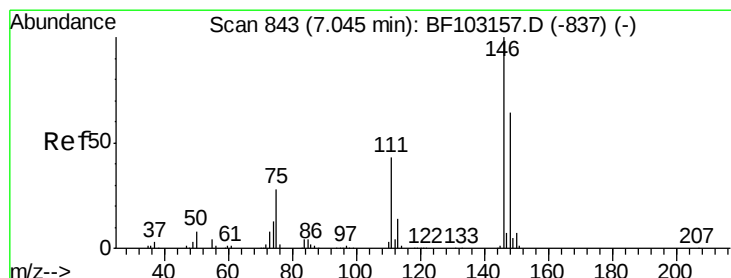
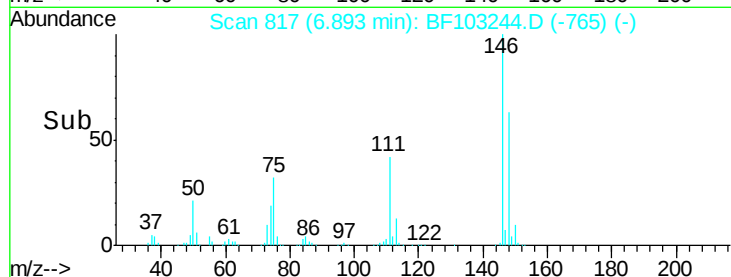
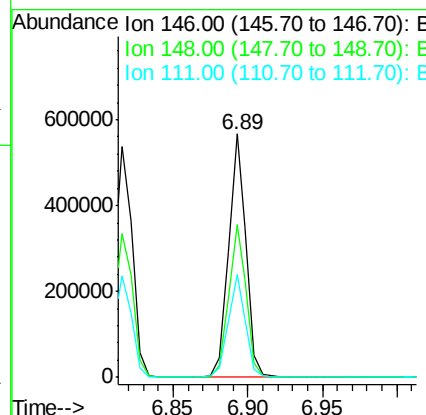
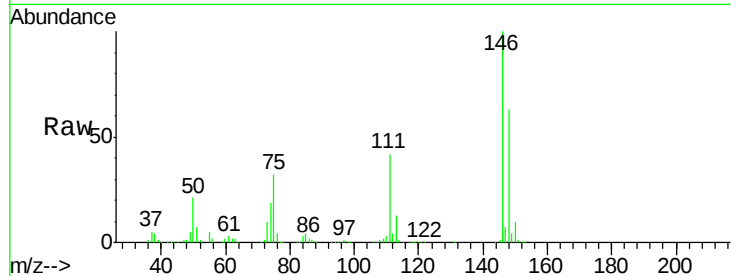
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion:	146	Resp:	465554
Ion Ratio	Lower	Upper	
146	100		
148	62.8	50.8	76.2
111	42.0	34.2	51.2

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 41.372 ng

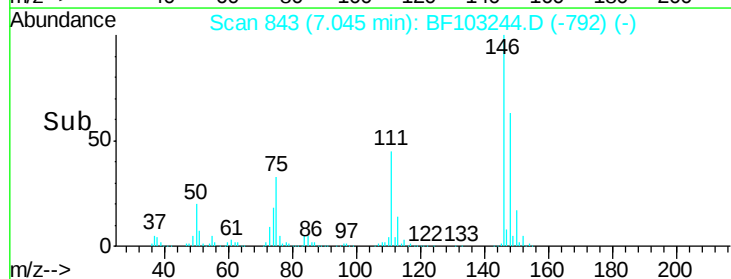
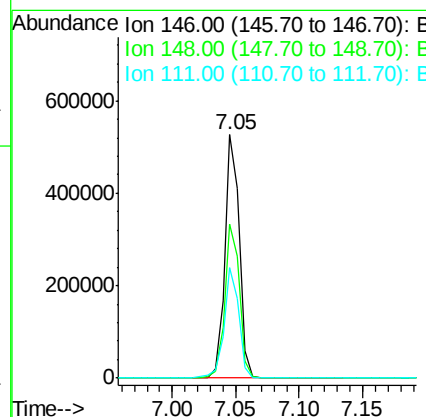
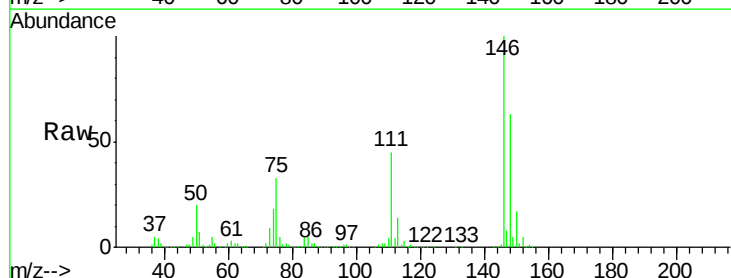
RT: 7.05 min Scan# 843

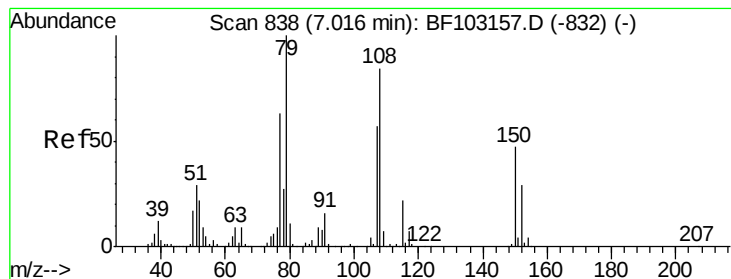
Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:	146	Resp:	422742
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.6	75.8
111	45.4	36.0	54.0





#15

Benzyl Alcohol

Concen: 40.463 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion: 79 Resp: 347381

Ion Ratio Lower Upper

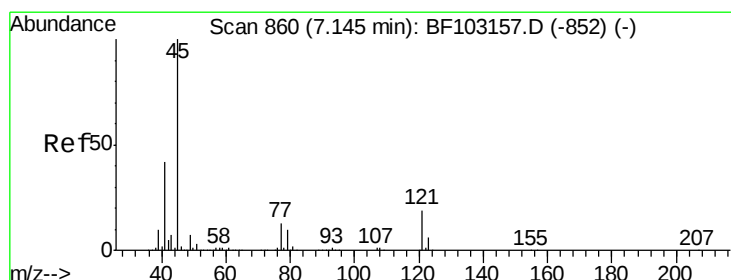
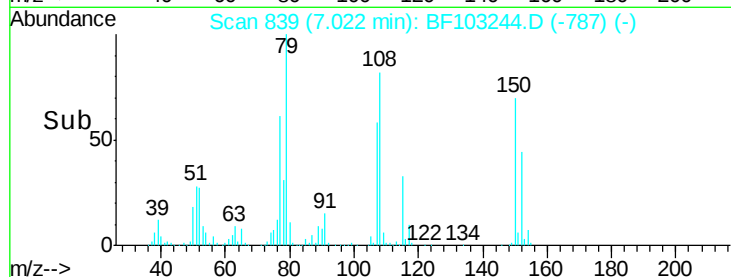
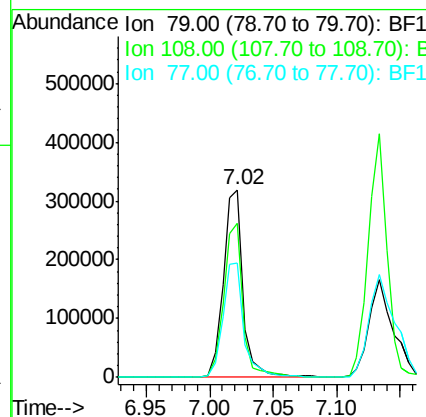
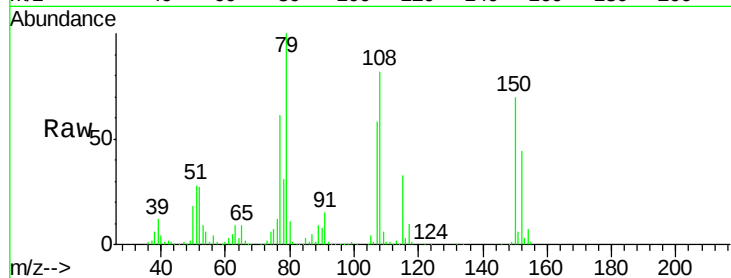
79 100

108 82.0 65.1 97.7

77 61.3 50.6 75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 42.745 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

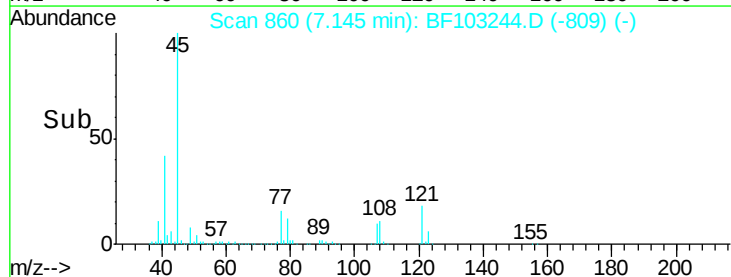
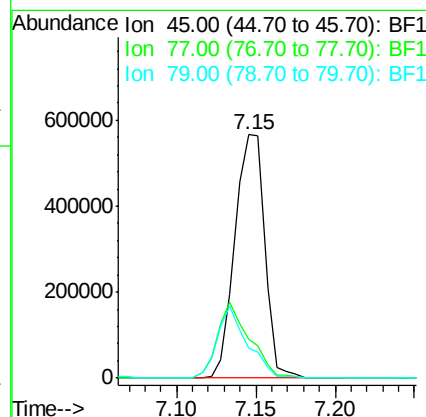
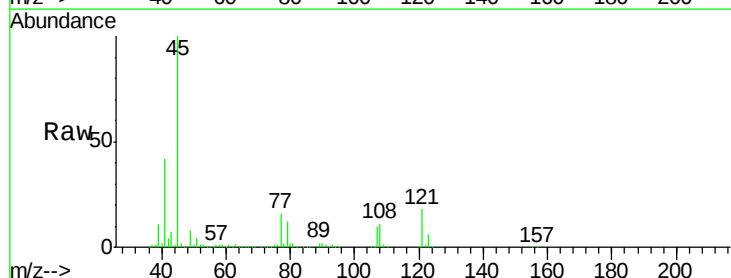
Tgt Ion: 45 Resp: 736809

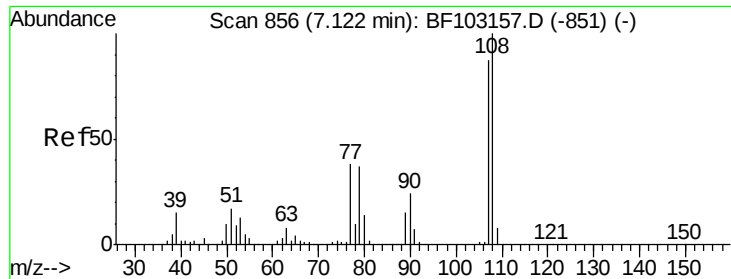
Ion Ratio Lower Upper

45 100

77 16.1 0.0 32.9

79 12.4 0.0 29.6





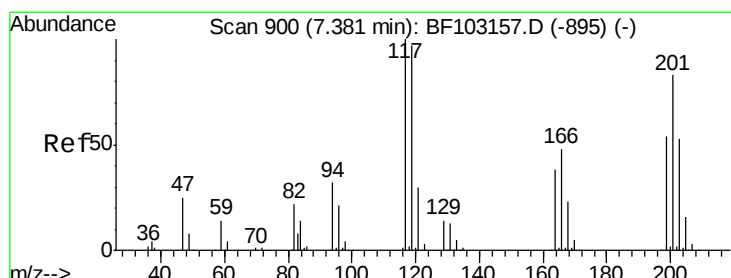
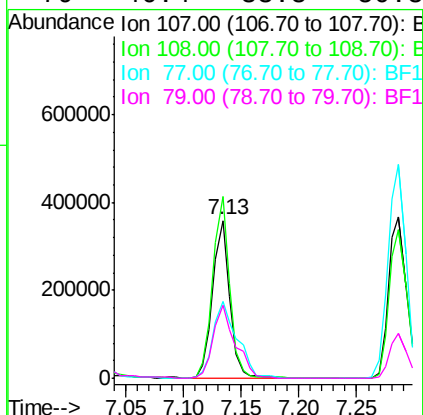
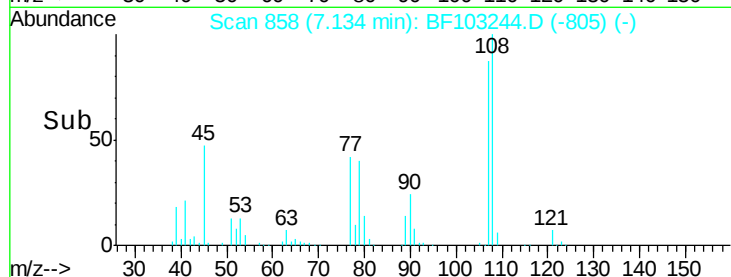
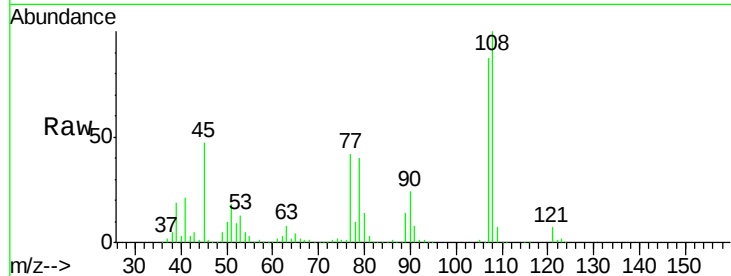
#17
2-Methylphenol
Concen: 42.007 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion:	107	Resp:	369227
Ion Ratio	Lower	Upper	
107	100		
108	115.6	91.7	137.5
77	49.0	33.8	50.8
79	46.4	33.8	50.8

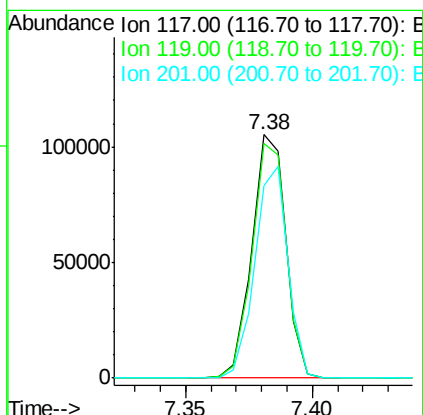
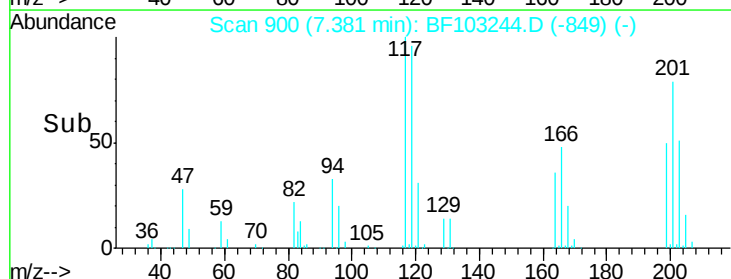
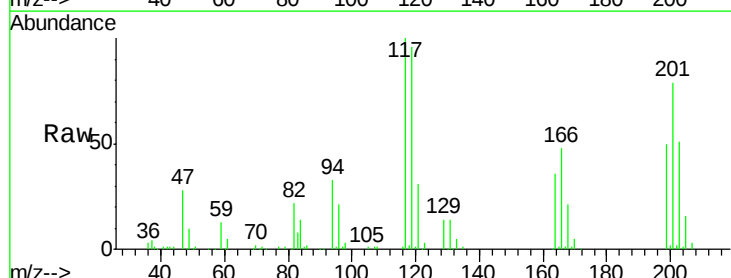
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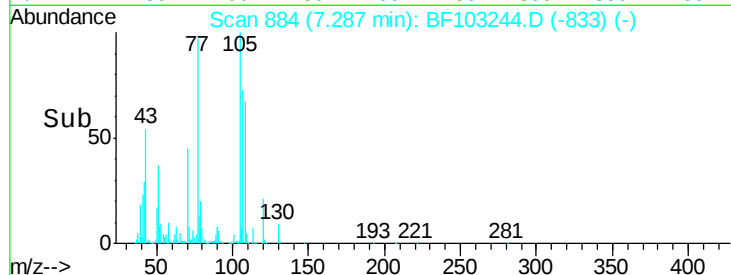
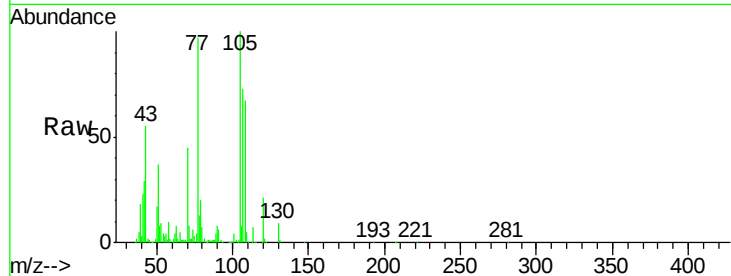
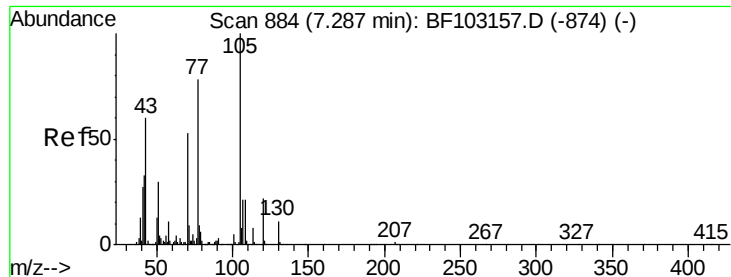
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#18
Hexachloroethane
Concen: 24.362 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion:	117	Resp:	98279
Ion Ratio	Lower	Upper	
117	100		
119	96.2	75.8	113.8
201	79.3	75.7	113.5





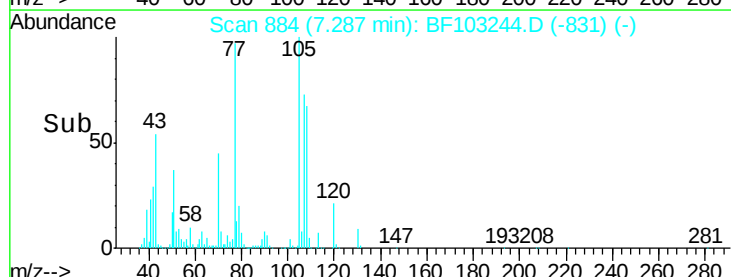
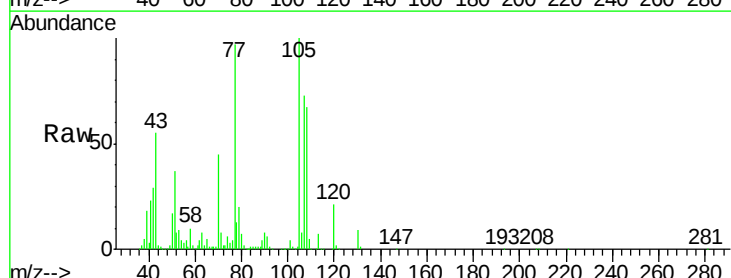
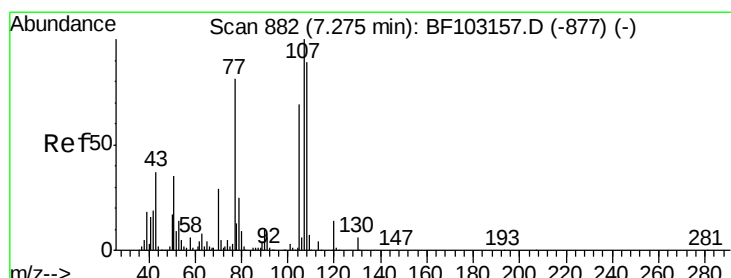
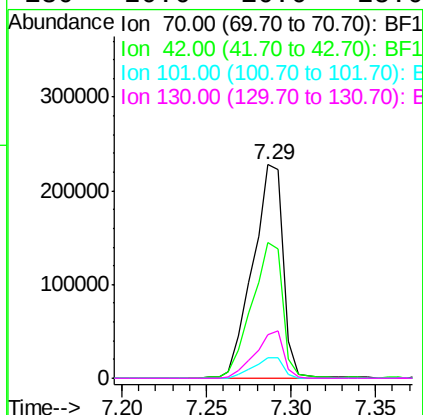
#19
n-Nitroso-di-n-propylamine
Concen: 40.245 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.3	47.5	71.3
101	9.4	7.4	11.2
130	20.6	16.6	25.0

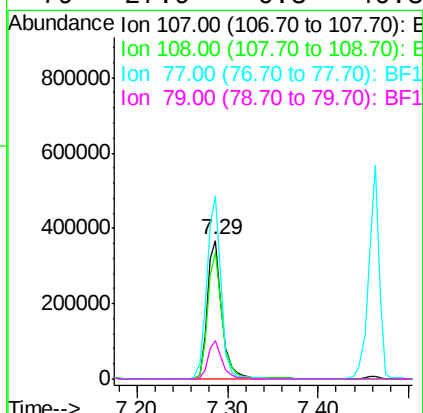
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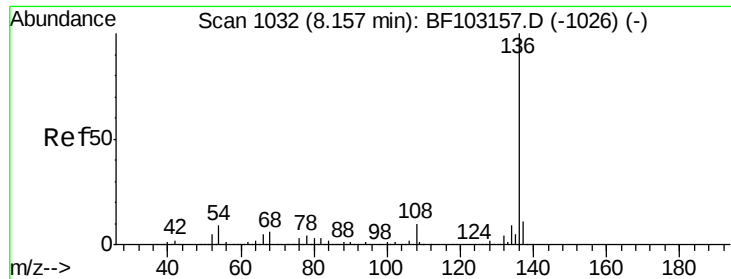
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#20
3+4-Methylphenols
Concen: 38.918 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.6	68.2	108.2
77	131.9	26.7	66.7#
79	27.9	6.3	46.3





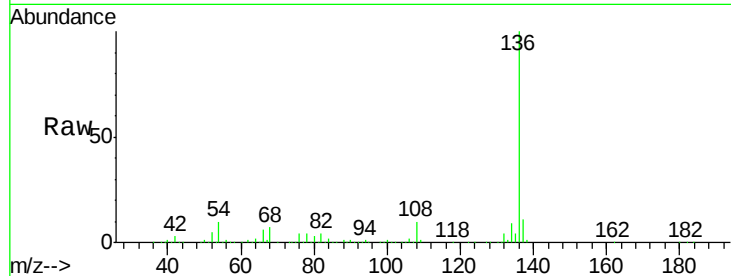
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		555232		
137	10.6		8.9	13.3	
54	9.6		6.6	9.8	
68	7.1		5.0	7.4	

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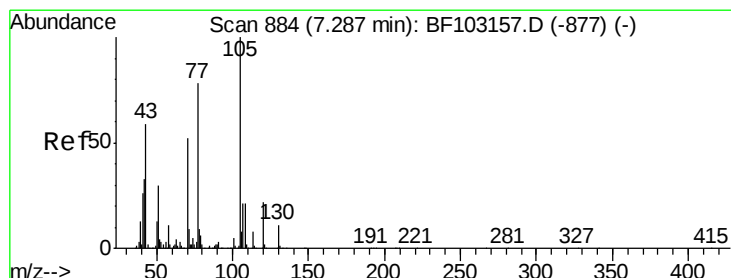
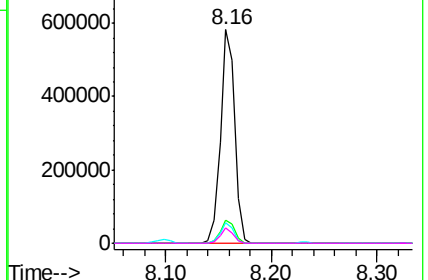
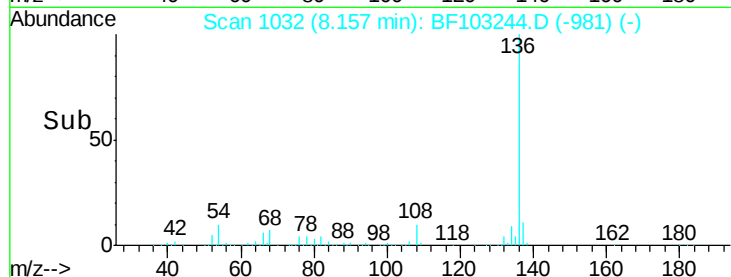
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

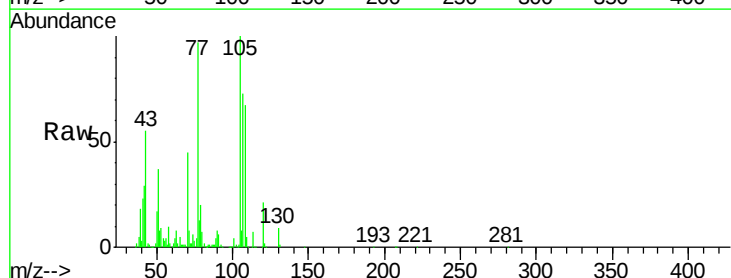
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 42.984 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		557081		
71	7.8		4.4	6.6#	
51	37.3		22.3	33.5#	
120	21.1		16.9	25.3	



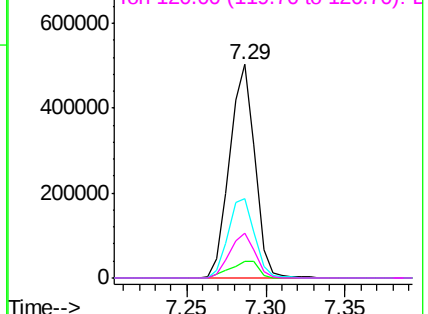
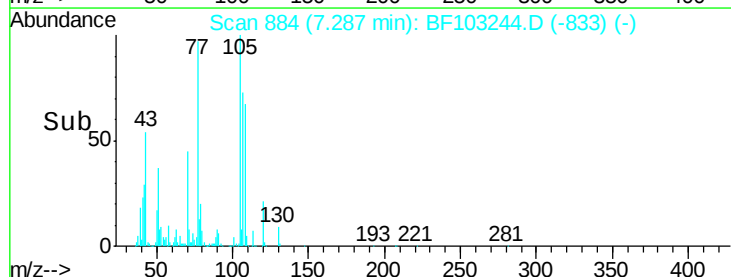
Abundance

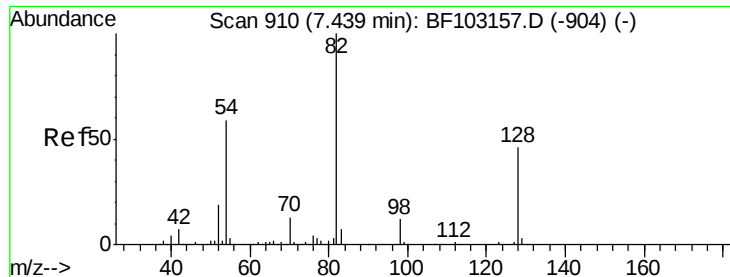
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





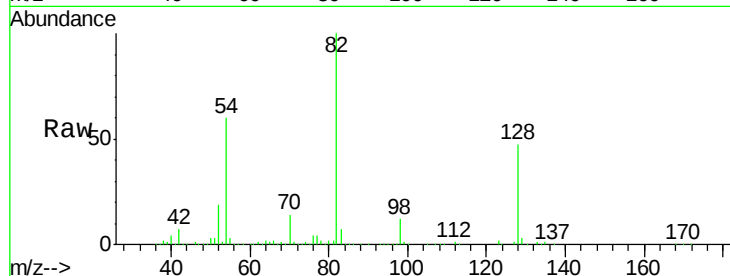
#23
Nitrobenzene-d5
Concen: 89.175 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

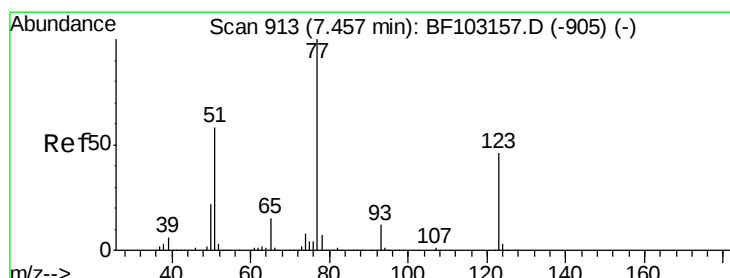
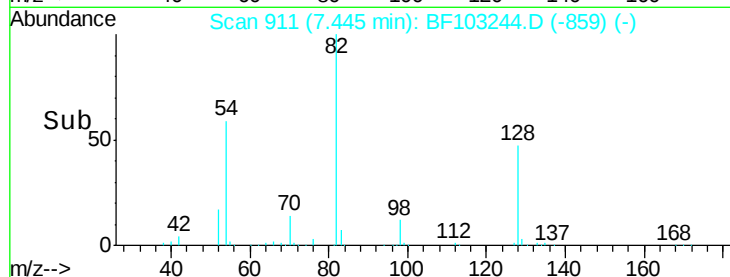
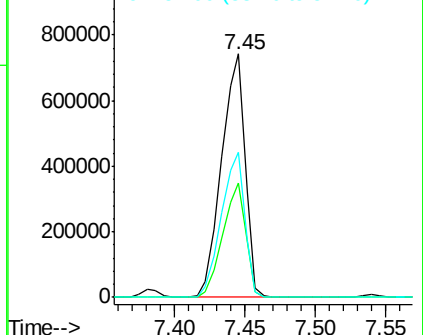
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	59.8	41.4	62.2

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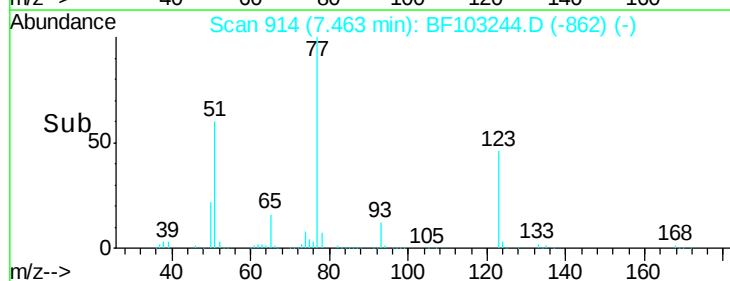
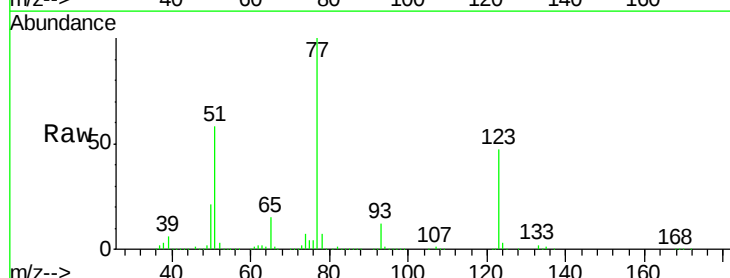
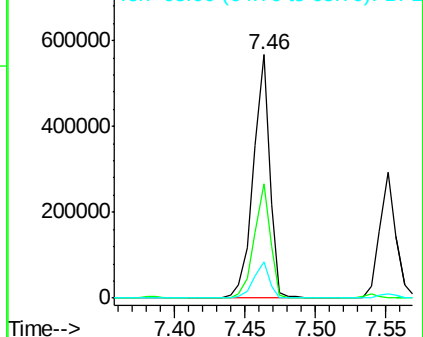
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

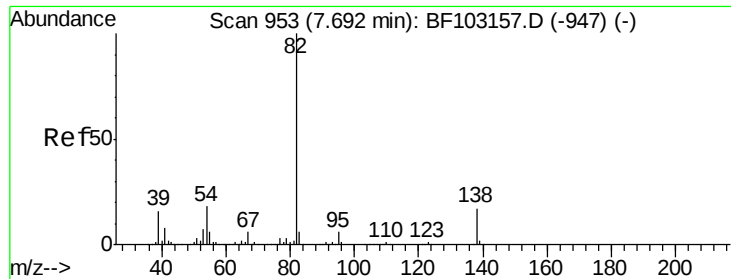


#24
Nitrobenzene
Concen: 43.523 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.9	56.9
65	14.8	11.0	16.4

Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





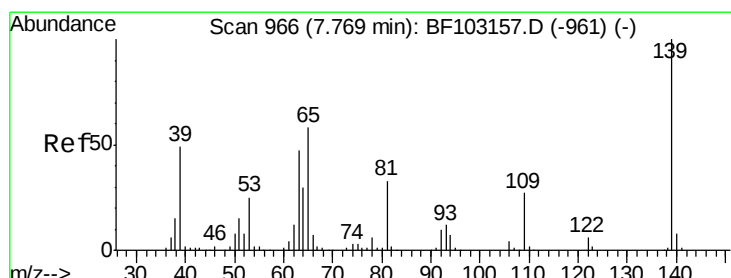
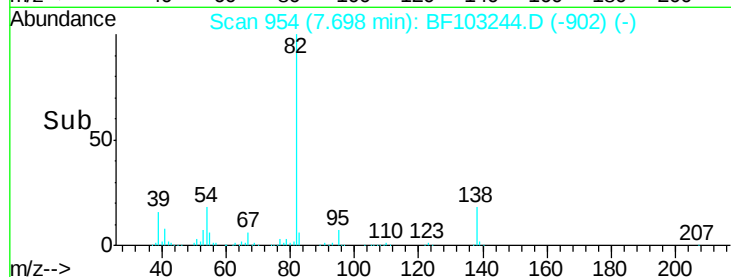
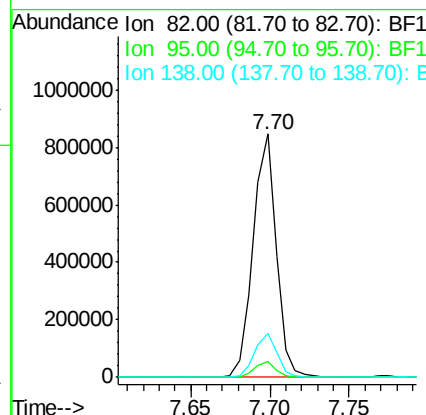
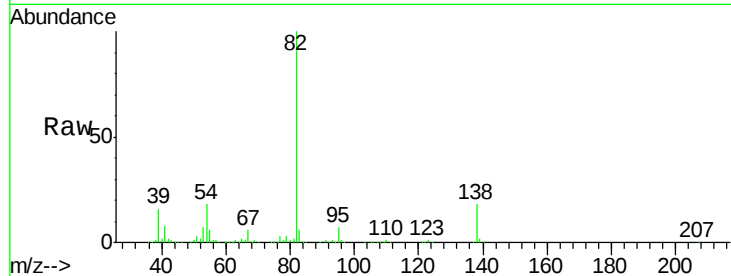
#25
Isophorone
Concen: 44.976 ng
RT: 7.70 min Scan# 954
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.5	5.2	7.8	
138	18.1	14.9	22.3	

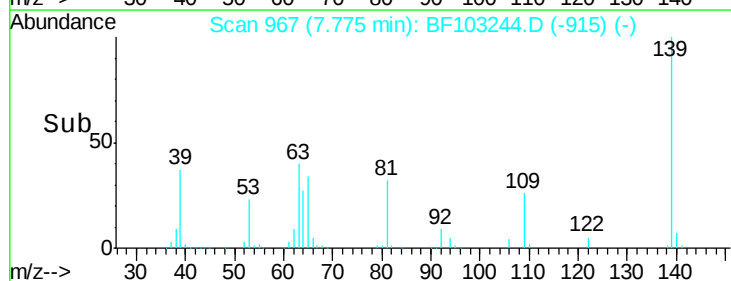
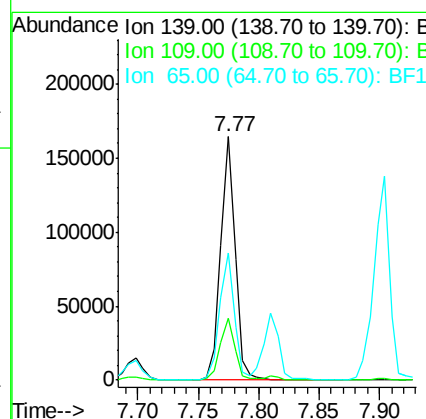
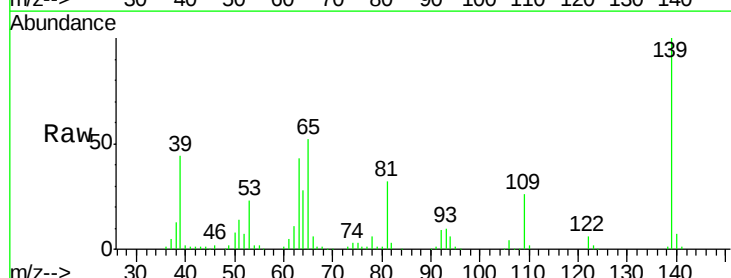
Manual Integrations
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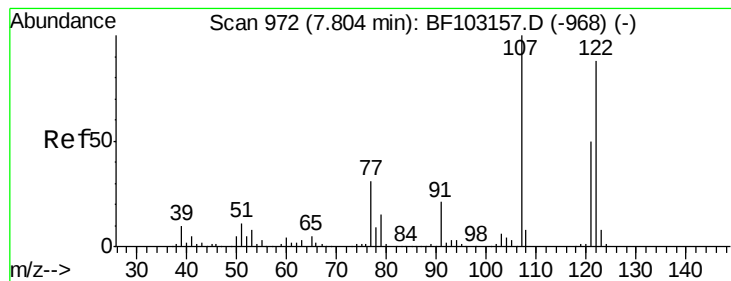
Sohil
2/27/2018 12:23:22 PM



#26
2-Nitrophenol
Concen: 27.052 ng
RT: 7.77 min Scan# 967
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	25.5	22.7	34.1	
65	52.2	40.5	60.7	





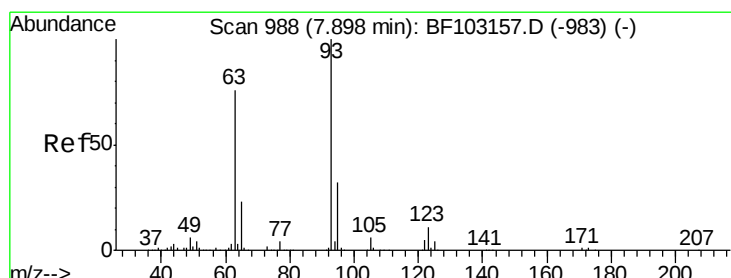
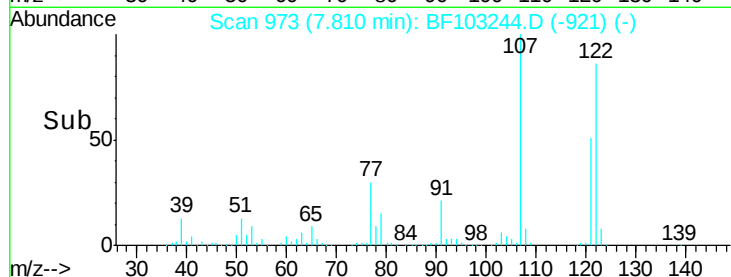
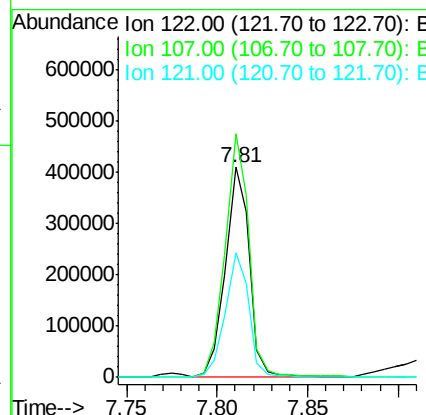
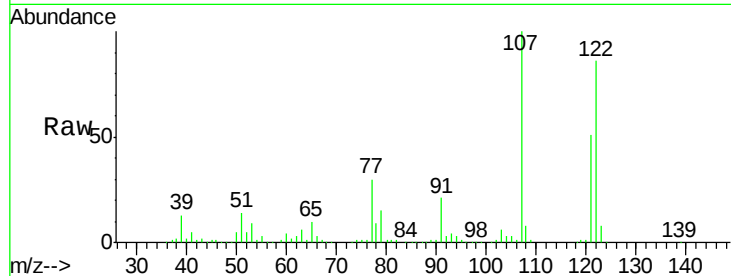
#27
2,4-Dimethylphenol
Concen: 49.017 ng
RT: 7.81 min Scan# 973
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	377559		
107	115.8	91.2	136.8	
121	59.1	47.2	70.8	

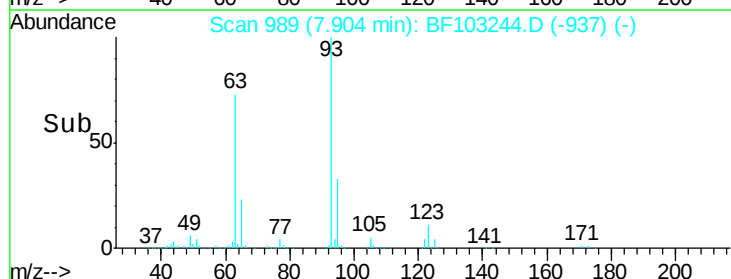
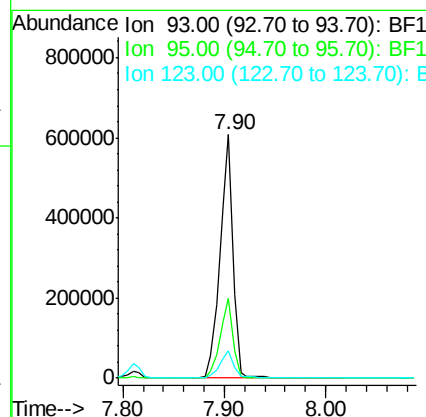
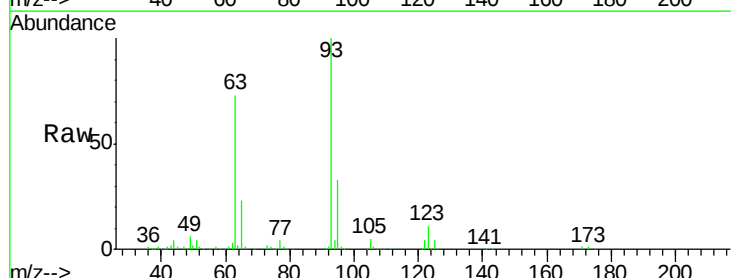
Manual Integrations
APPROVED

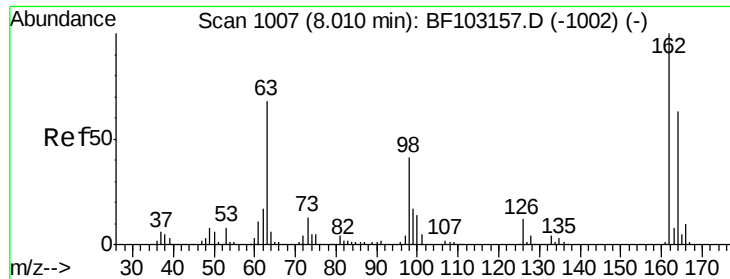
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#28
bis(2-Chloroethoxy)methane
Concen: 48.131 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	541869		
95	32.8	26.3	39.5	
123	11.3	9.8	14.6	





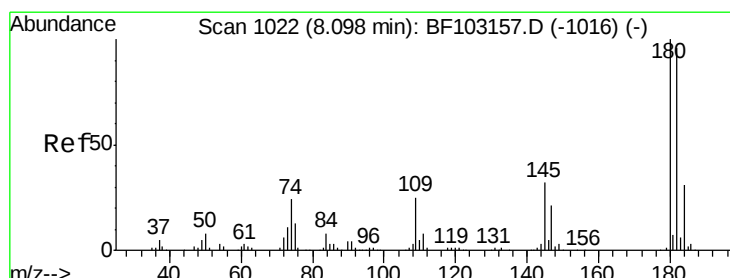
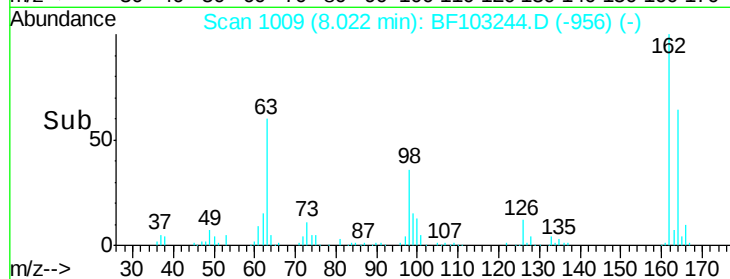
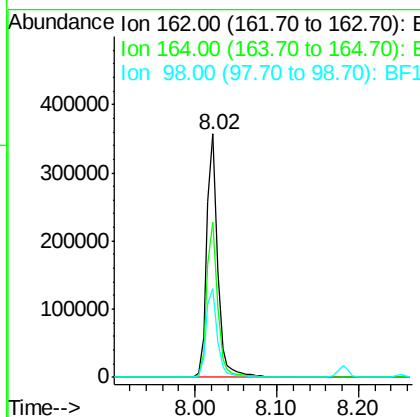
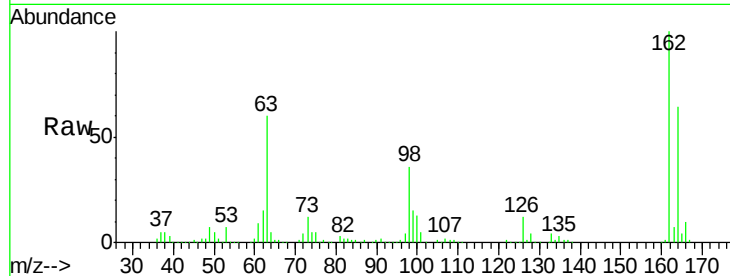
#29
2,4-Dichlorophenol
Concen: 45.192 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	333272		
164	63.8	42.7	82.7	
98	36.4	18.1	58.1	

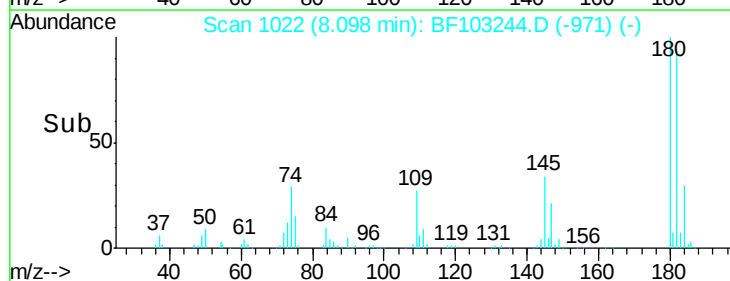
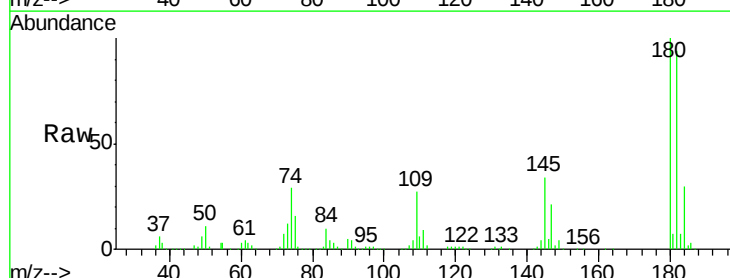
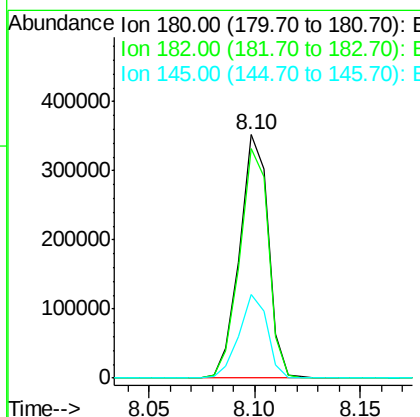
Manual Integrations
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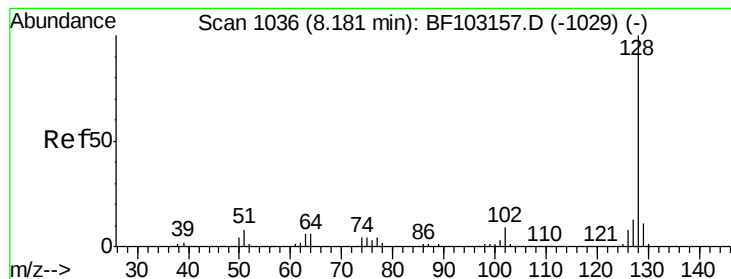
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 42.372 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	332754		
182	94.2	76.8	115.2	
145	34.2	26.5	39.7	





#31

Naphthalene

Concen: 42.388 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion:128 Resp: 1152246

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

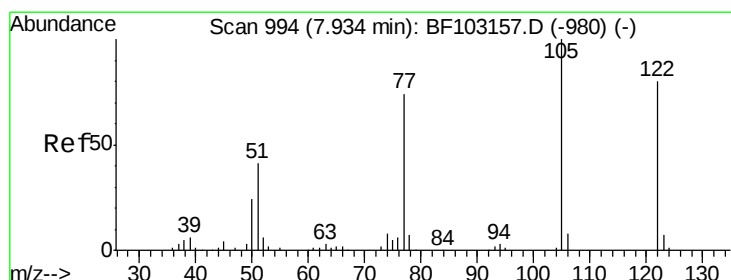
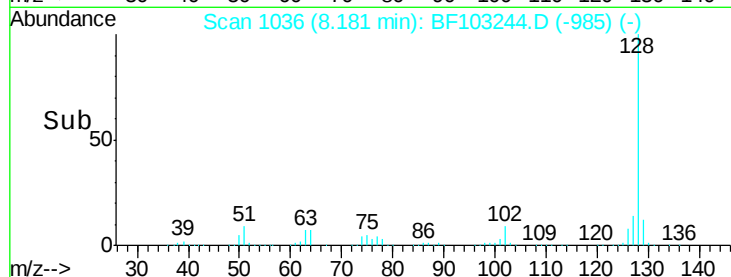
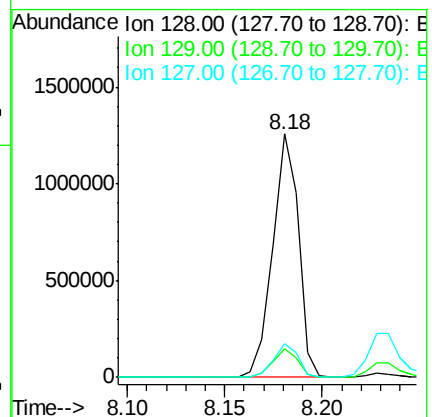
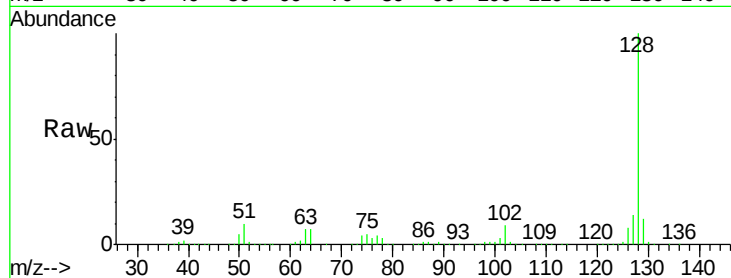
127 13.6 10.9 16.3

Manual Integrations

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#32

Benzoic acid

Concen: 20.272 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

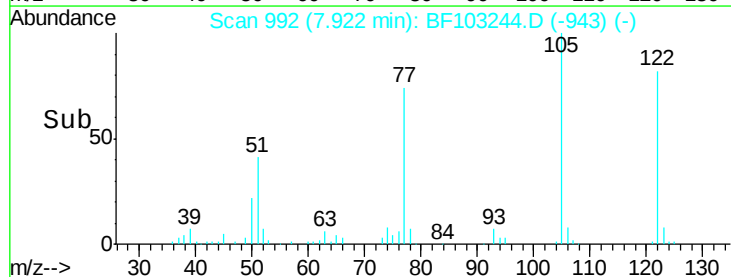
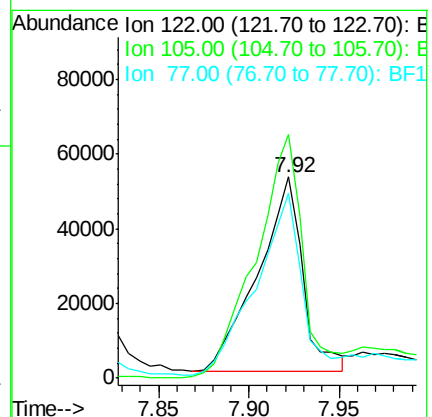
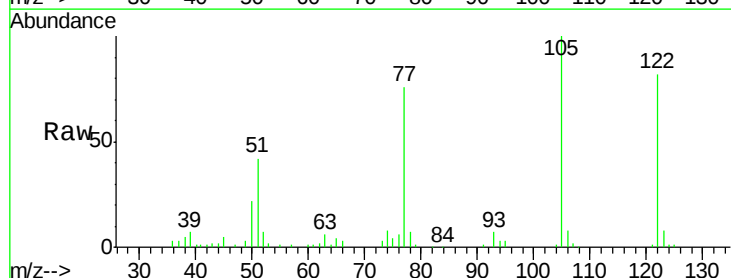
Tgt Ion:122 Resp: 89179

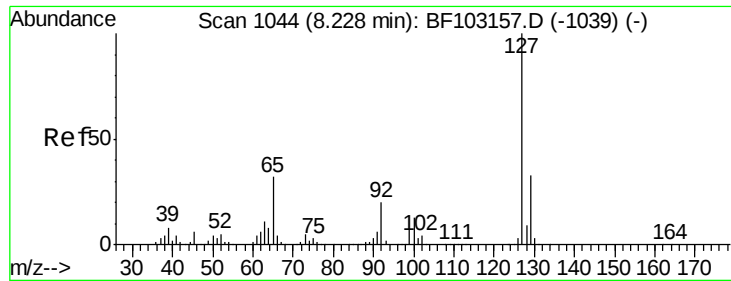
Ion Ratio Lower Upper

122 100

105 121.3 101.1 141.1

77 91.8 70.7 110.7





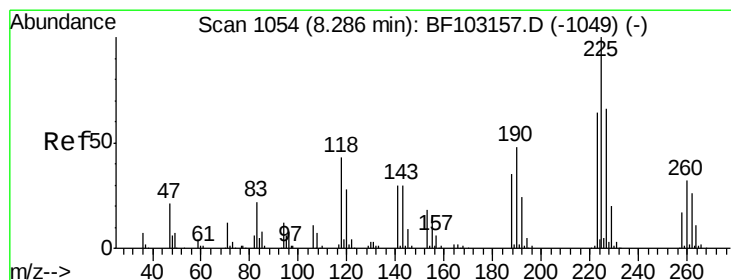
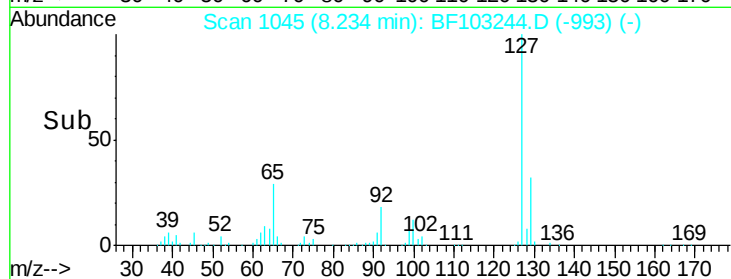
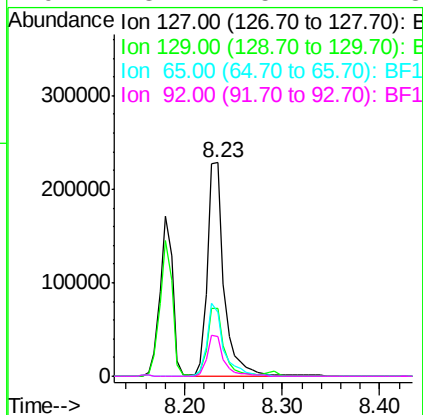
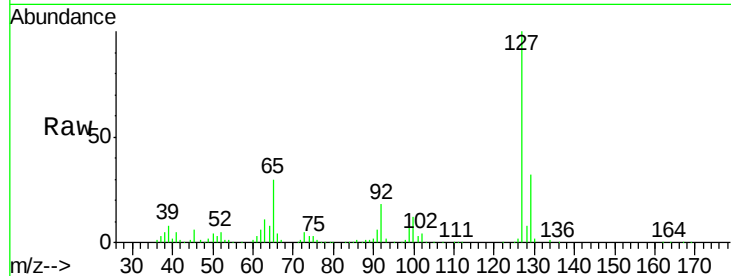
#33
4-Chloroaniline
Concen: 23.065 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		270553		
129	31.9	25.9	38.9		
65	30.2	25.0	37.4		
92	18.4	15.2	22.8		

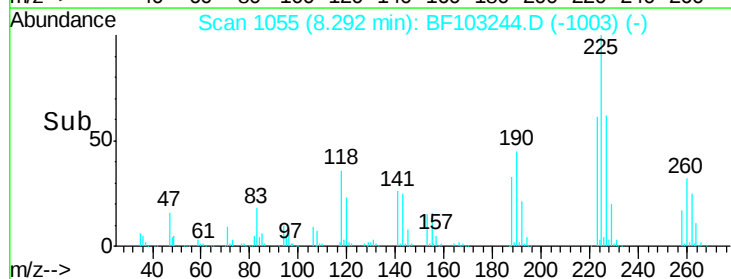
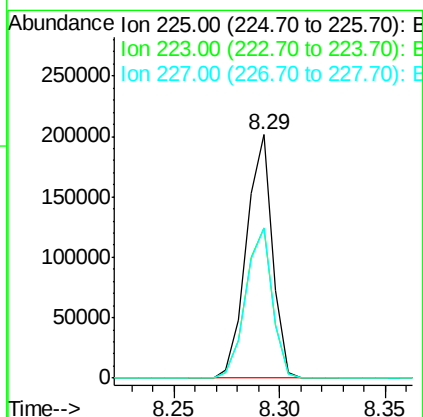
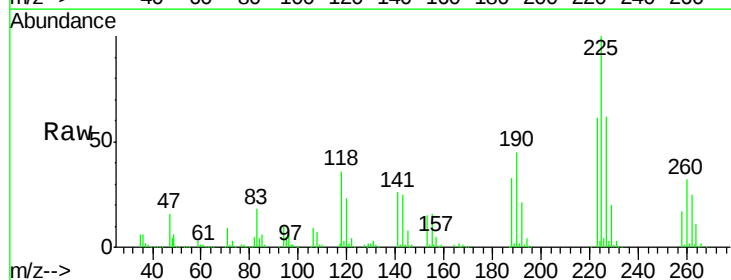
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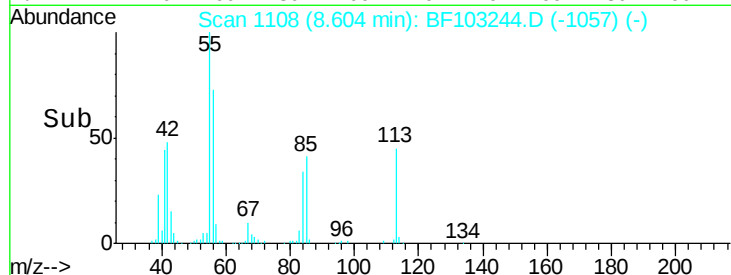
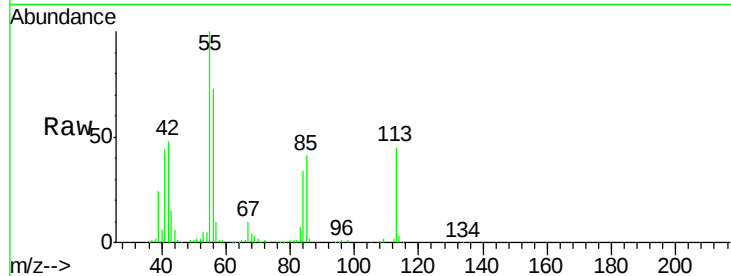
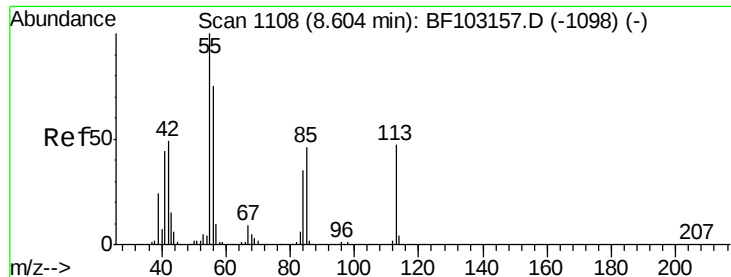
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#34
Hexachlorobutadiene
Concen: 42.162 ng
RT: 8.29 min Scan# 1055
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		172417		
223	61.5	50.6	76.0		
227	61.8	51.9	77.9		





#35

Caprolactam

Concen: 44.599 ng/mL

RT: 8.60 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tot Ion:	113	Resp:	115593
Ion Ratio	Lower	Upper	
113	100		
55	221.0	163.3	203.3#
56	161.9	115.7	155.7#

Instrument :

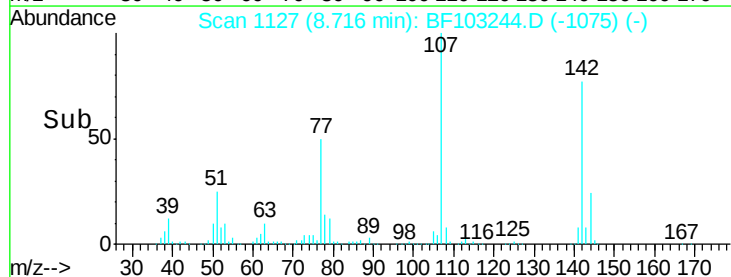
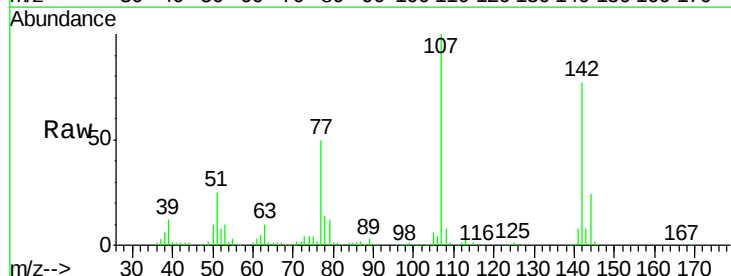
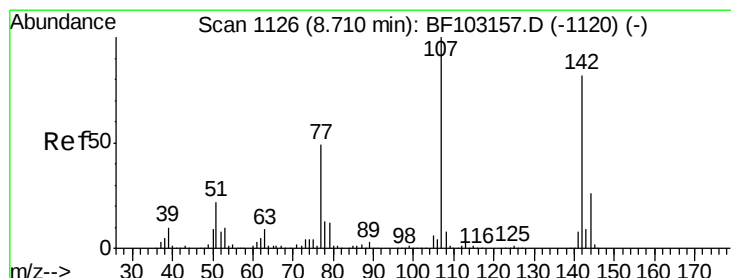
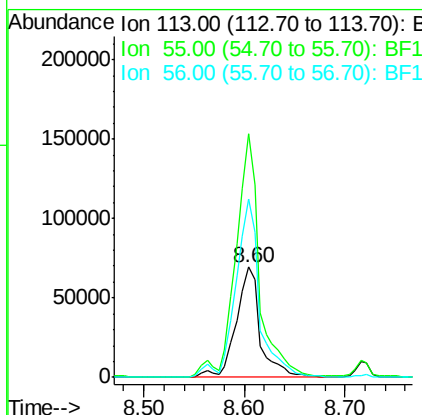
BNA_F

ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

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#36

4-Chloro-3-methylphenol

Concen: 42.279 ng/mL

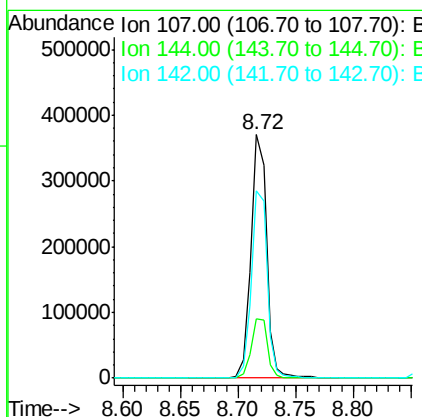
RT: 8.72 min Scan# 1127

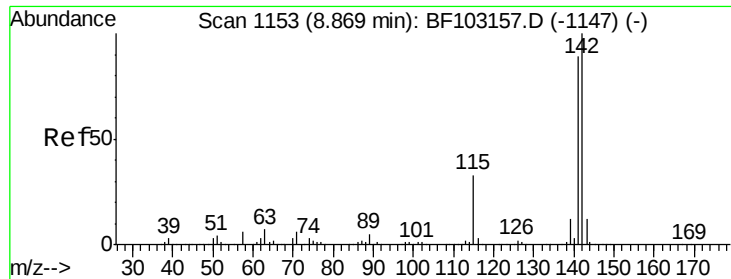
Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:	107	Resp:	351675
Ion Ratio	Lower	Upper	
107	100		
144	24.4	20.5	30.7
142	76.7	62.0	93.0





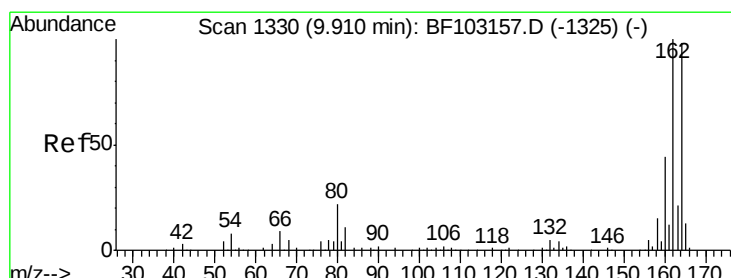
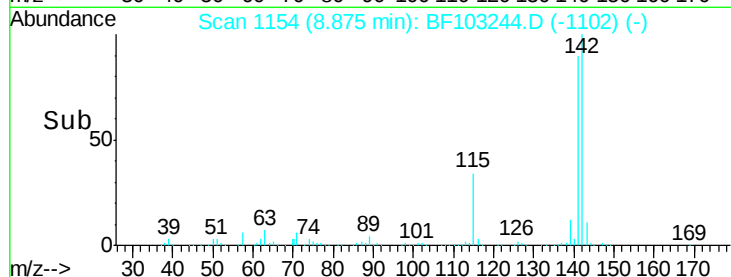
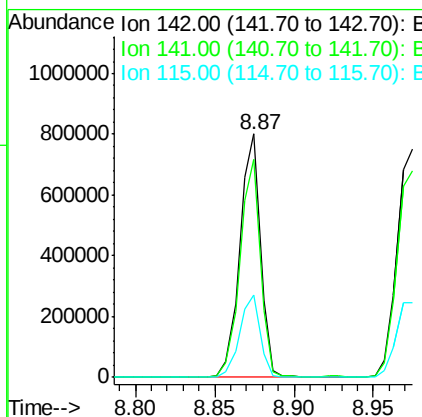
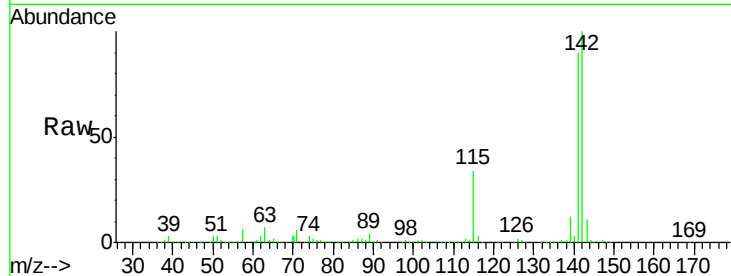
#37
2-Methylnaphthalene
Concen: 41.363 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
115	33.8	26.1	39.1

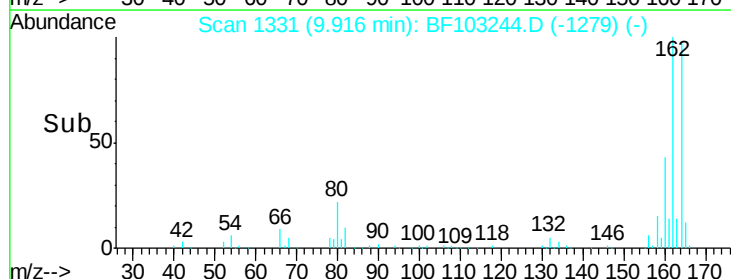
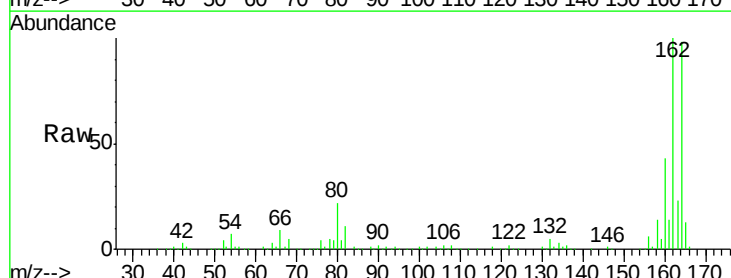
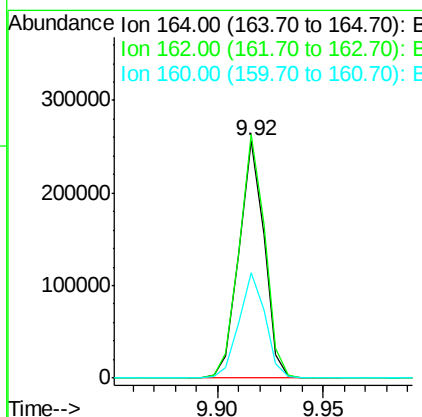
Manual Integrations
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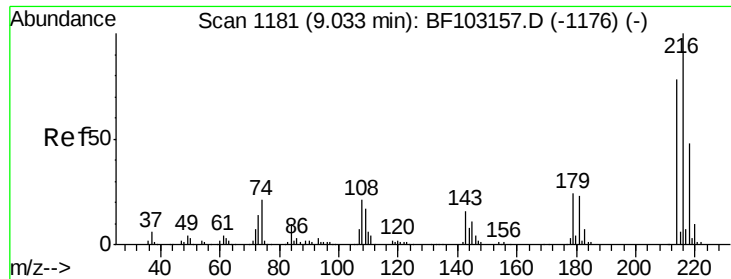
Sohil
2/27/2018 12:23:22 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	44.4	38.3	57.5





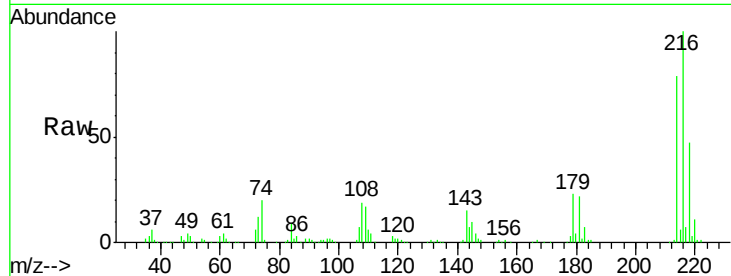
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.349 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :
 OIL-SEP-EXC-NW@2.5MSD

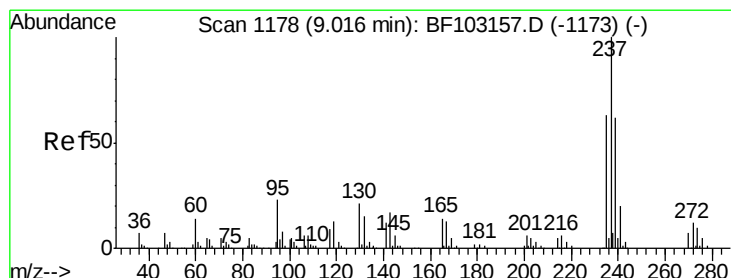
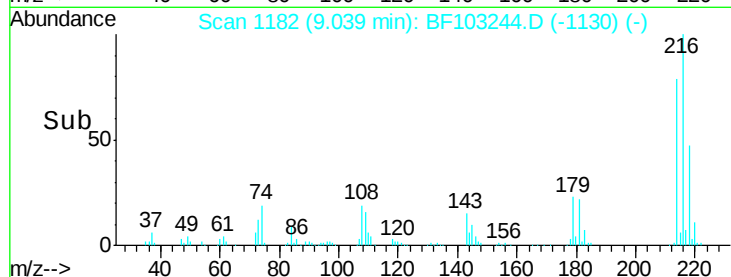
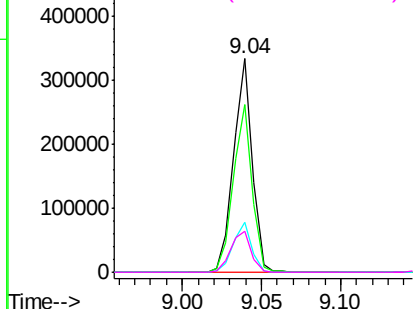
Tot Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	23.4	18.1	27.1
108	20.7	17.2	25.8

Manual Integrations
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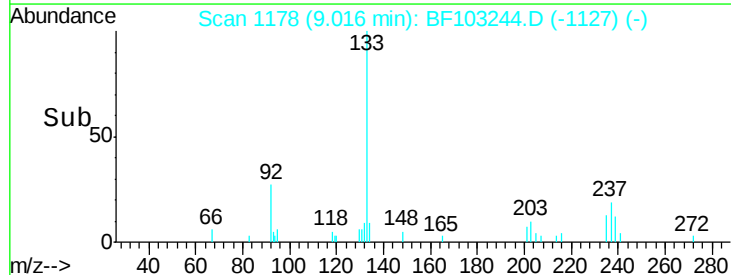
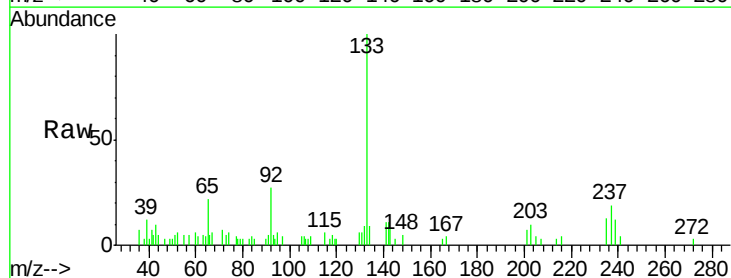
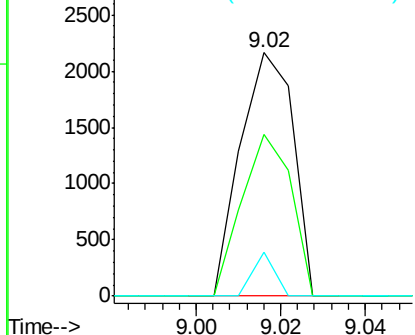
Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

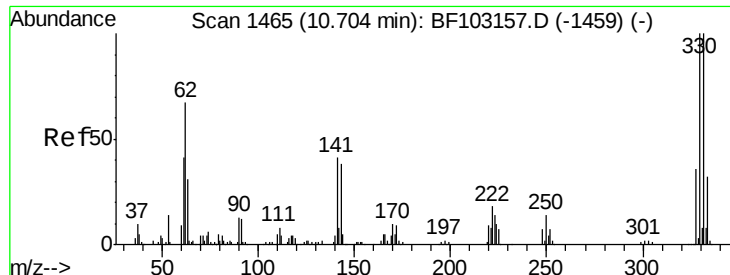


#40
 Hexachlorocyclopentadiene
 Concen: 9.702 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
237	100		
235	66.3	44.8	84.8
272	17.9	0.0	33.3

Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 111.609 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

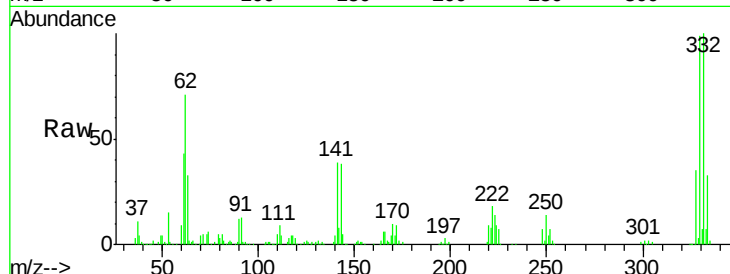
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

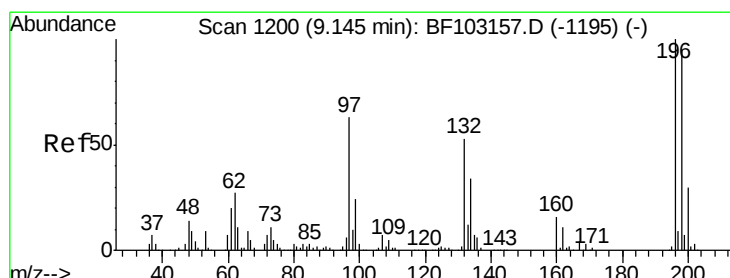
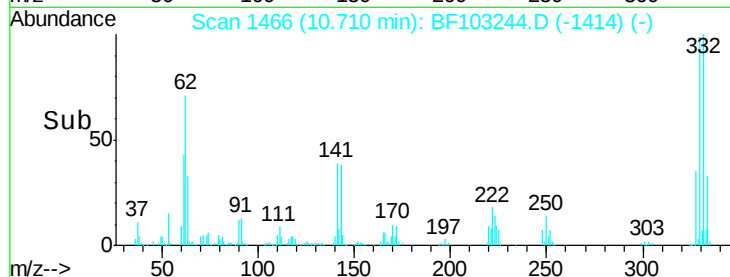
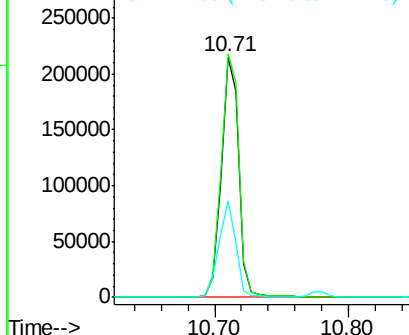
Tot Ion:	330	Resp:	199912
Ion Ratio	Lower	Upper	
330	100		
332	104.0	77.0	115.6
141	39.3	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 48.500 ng

RT: 9.15 min Scan# 1201

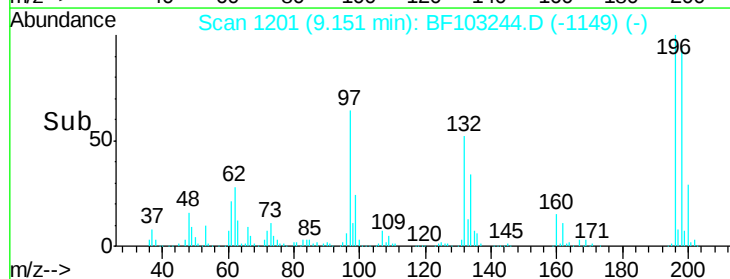
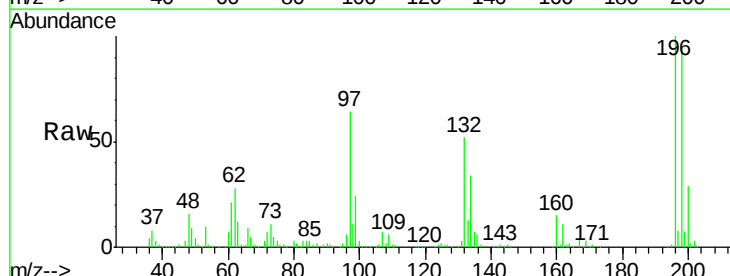
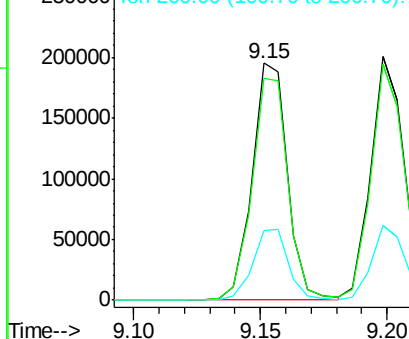
Delta R.T. 0.01 min

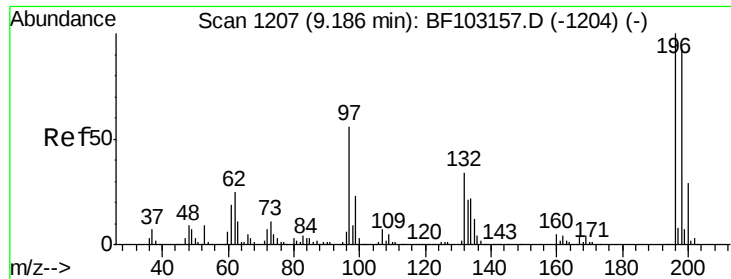
Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:	196	Resp:	188793
Ion Ratio	Lower	Upper	
196	100		
198	93.7	75.7	113.5
200	29.4	24.5	36.7

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





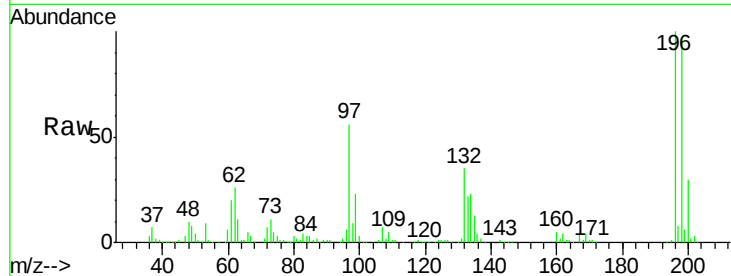
#43
 2,4,5-Trichlorophenol
 Concen: 43.536 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :
 OIL-SEP-EXC-NW@2.5MSD

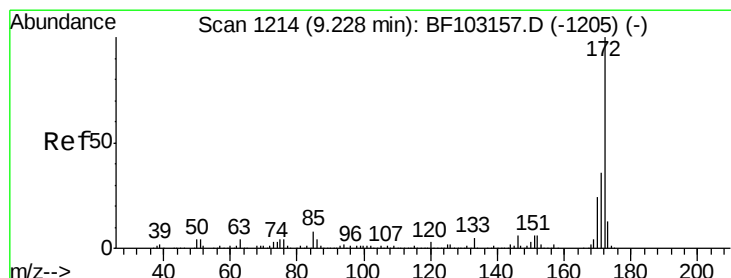
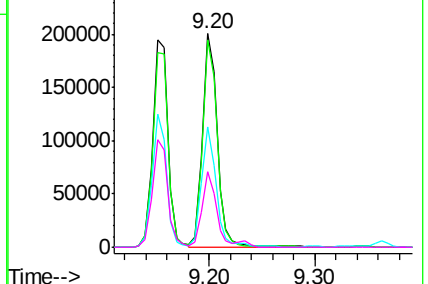
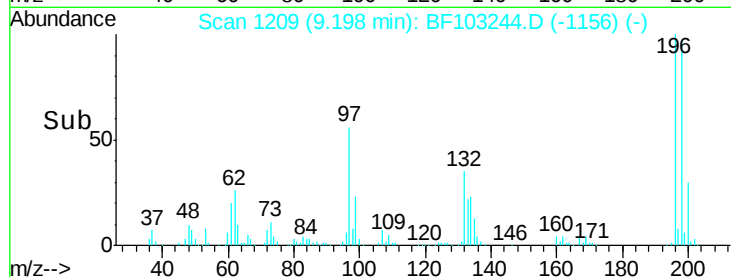
Tot Ion	Ratio	Resp	Lower	Upper
196	100	194916		
198	97.1	74.6	112.0	
97	56.4	42.9	64.3	
132	35.3	26.3	39.5	

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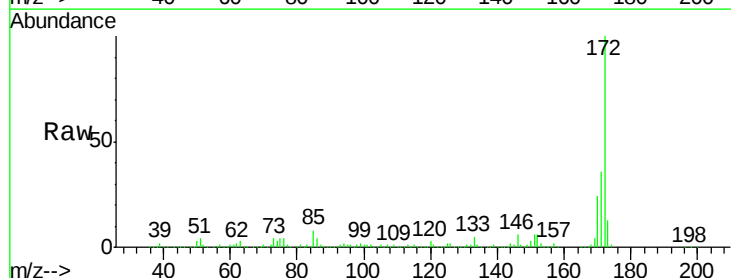


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

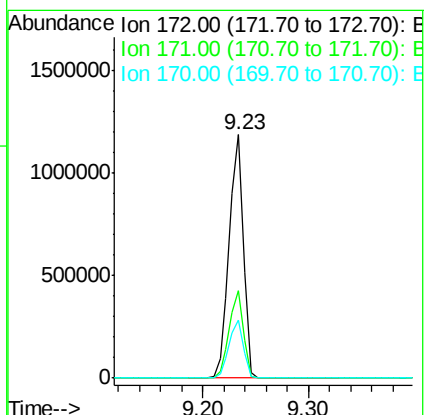
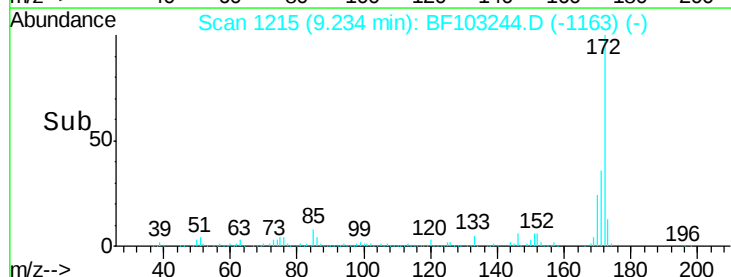


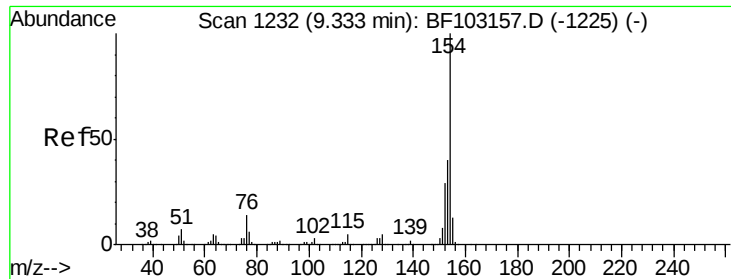
#44
 2-Fluorobiphenyl
 Concen: 91.590 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1104834		
171	36.0	29.7	44.5	
170	23.9	19.6	29.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 46.064 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

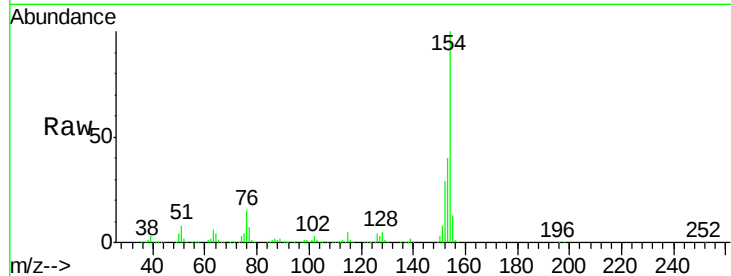
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

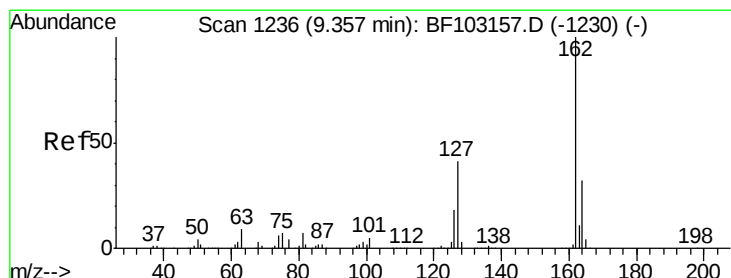
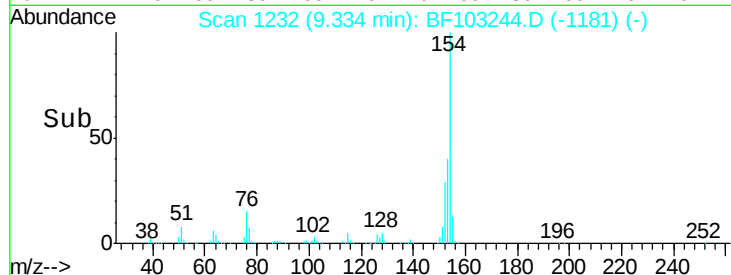
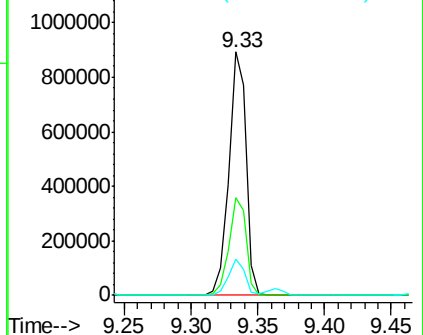
Tot Ion:	154	Resp:	816813
Ion Ratio	Lower	Upper	
154	100		
153	40.2	21.3	61.3
76	14.8	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 45.139 ng

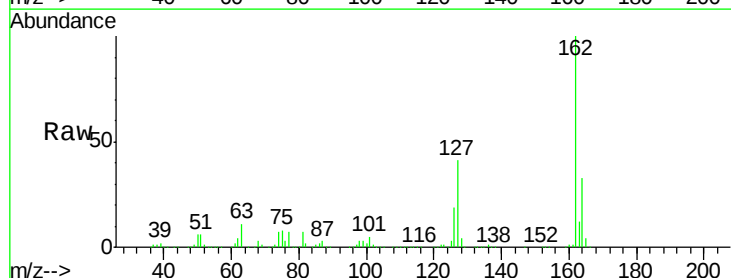
RT: 9.36 min Scan# 1237

Delta R.T. 0.01 min

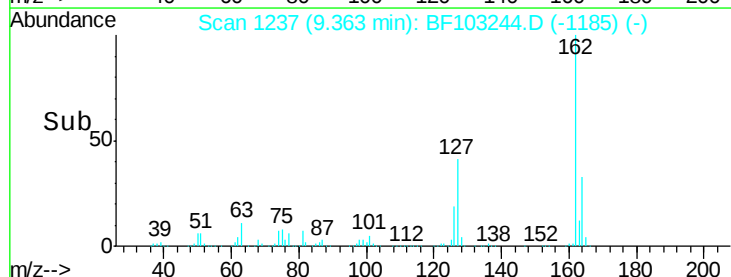
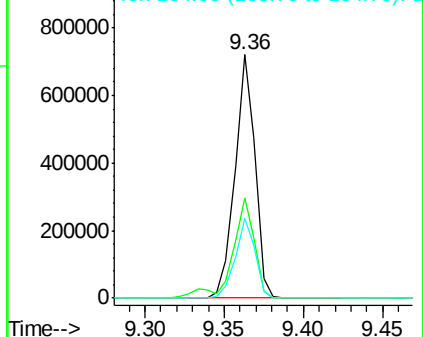
Lab File: BF103244.D

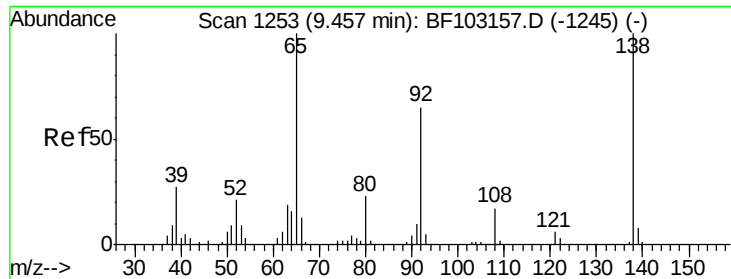
Acq: 27 Feb 2018 3:14

Tgt Ion:	162	Resp:	633231
Ion Ratio	Lower	Upper	
162	100		
127	41.2	33.9	50.9
164	33.0	26.5	39.7



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 51.694 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

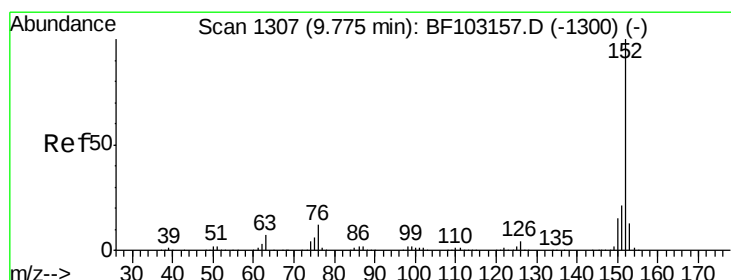
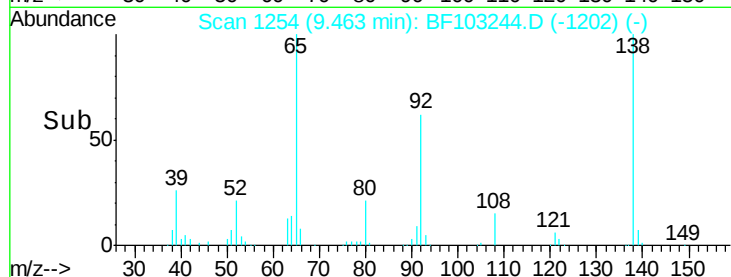
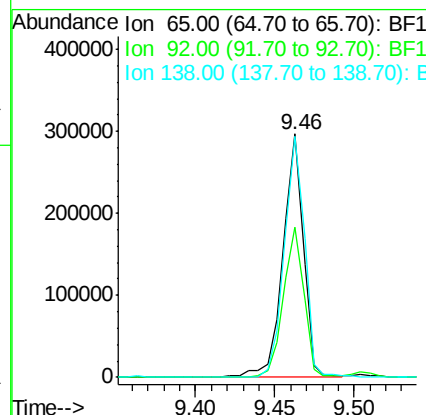
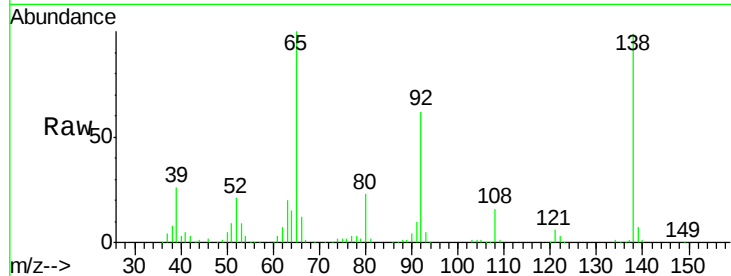
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion:	65	Resp:	268620
Ion Ratio	Lower	Upper	
65	100		
92	61.7	55.8	83.6
138	99.2	91.2	136.8

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#48

Acenaphthylene

Concen: 42.965 ng

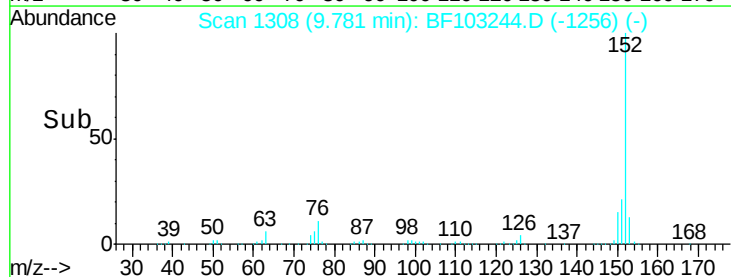
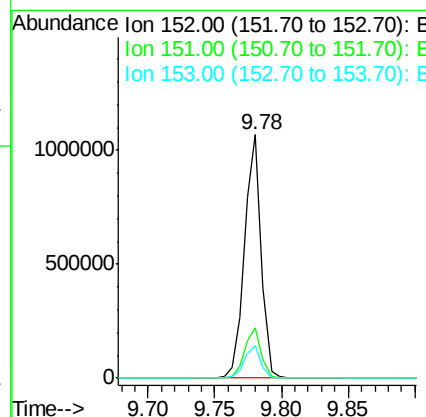
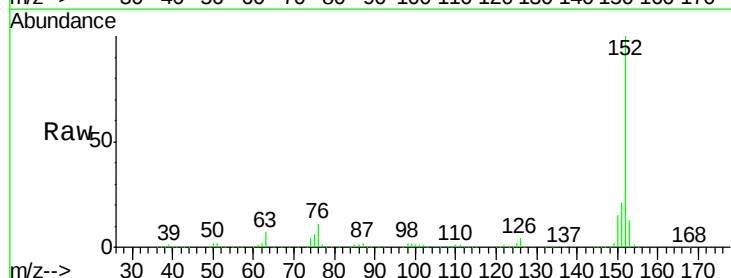
RT: 9.78 min Scan# 1308

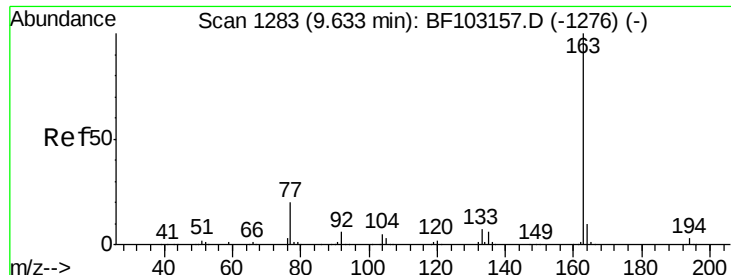
Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:	152	Resp:	927363
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	13.2	10.7	16.1





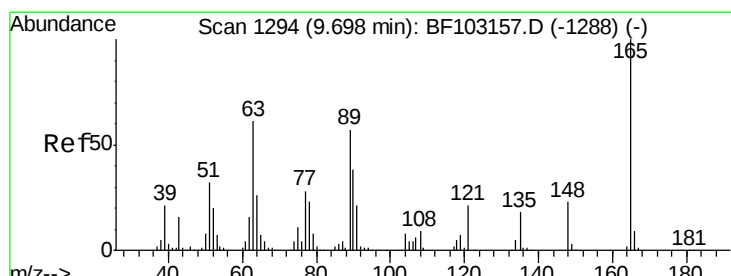
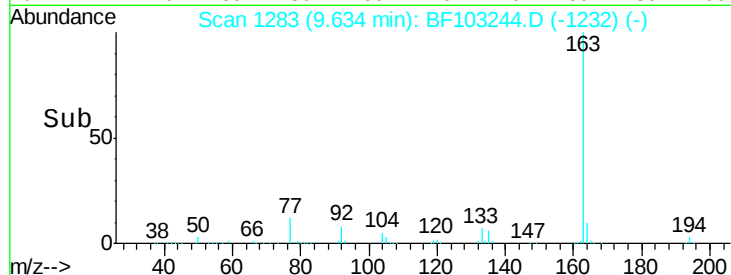
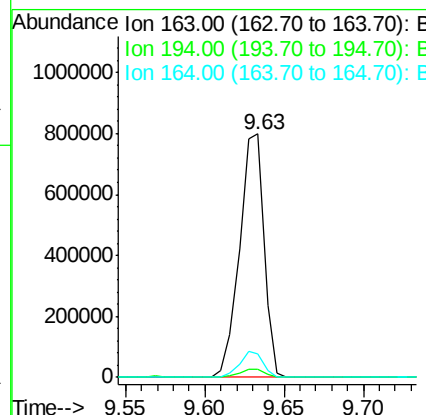
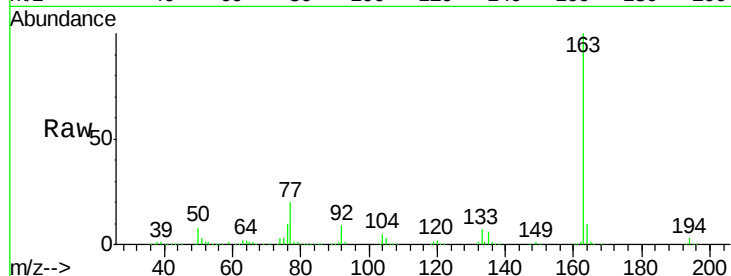
#49
Dimethylphthalate
Concen: 50.550 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	9.8	8.2	12.2	

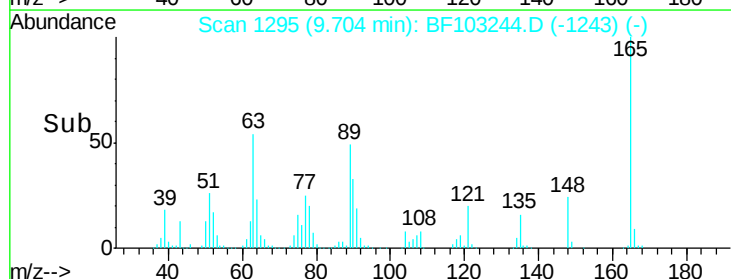
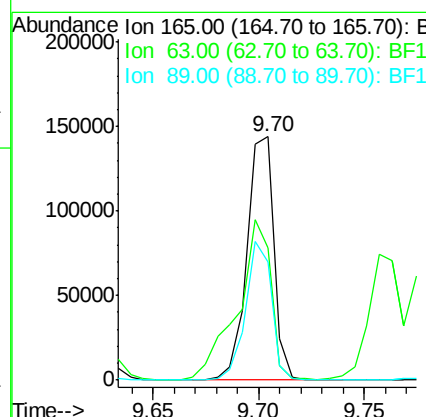
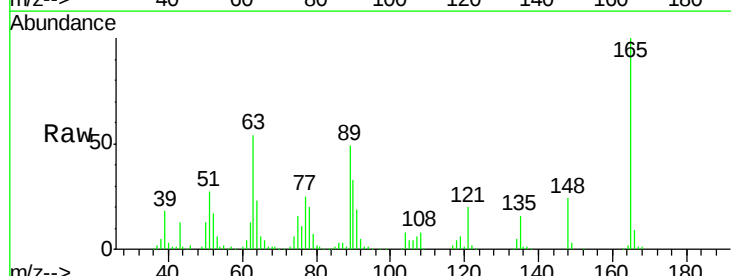
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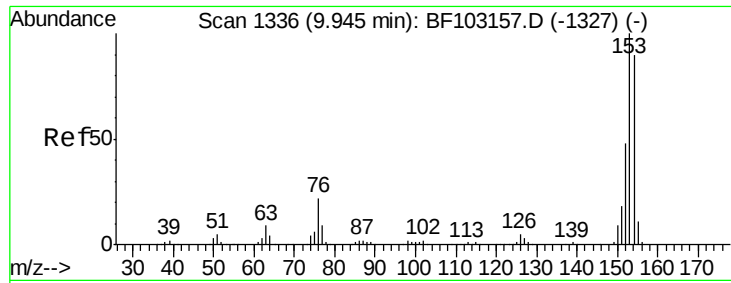
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#50
2,6-Dinitrotoluene
Concen: 35.891 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	54.3	44.7	67.1	
89	48.6	44.0	66.0	





#51

Acenaphthene

Concen: 42.087 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

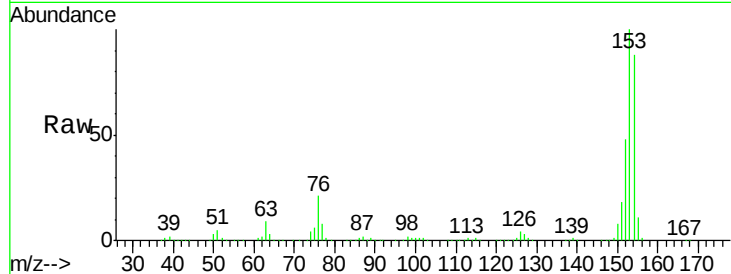
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

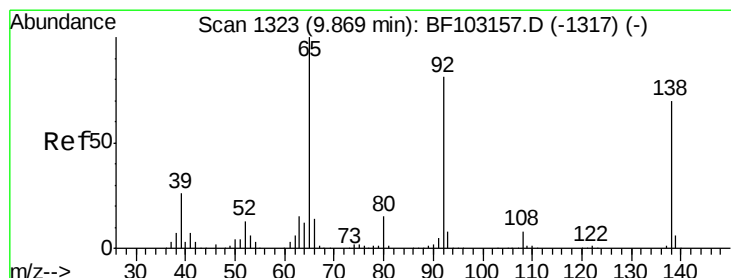
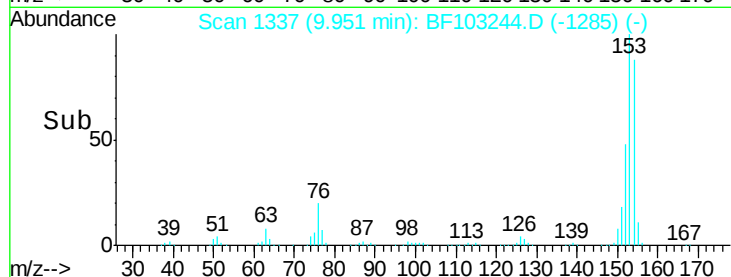
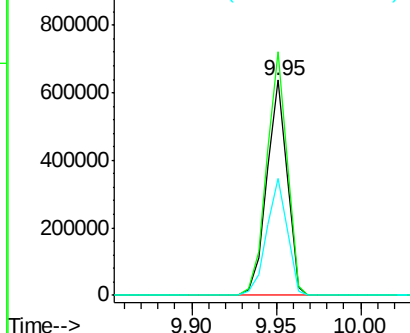
Tot Ion:	154	Resp:	529706
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.2	136.8
152	54.5	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 48.922 ng

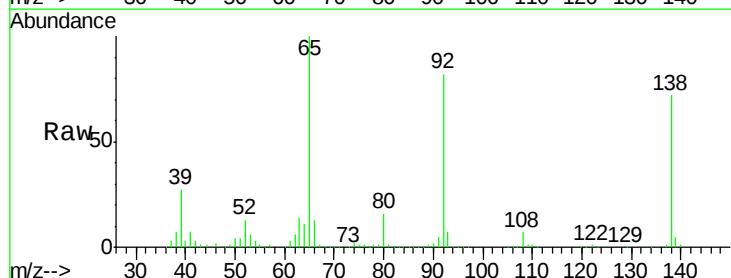
RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

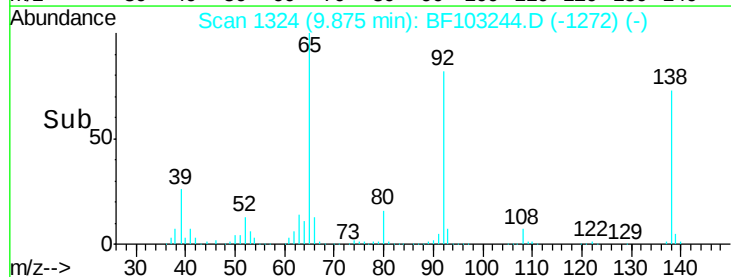
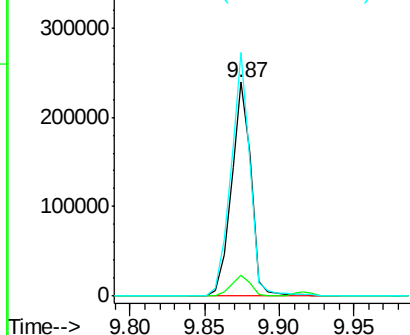
Lab File: BF103244.D

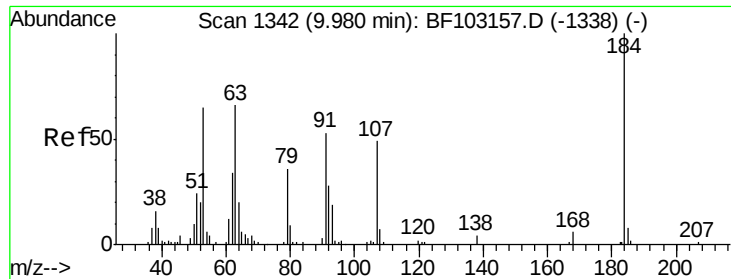
Acq: 27 Feb 2018 3:14

Tgt Ion:	138	Resp:	221117
Ion Ratio	Lower	Upper	
138	100		
108	10.0	9.4	14.0
92	113.8	89.4	134.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1





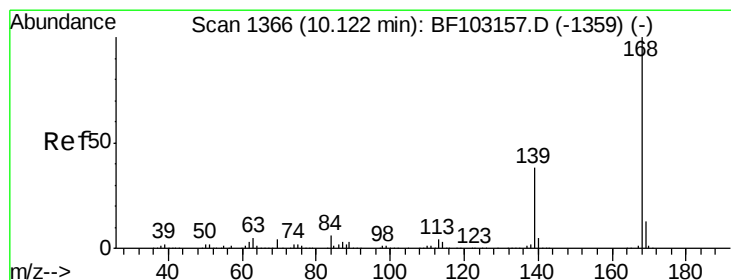
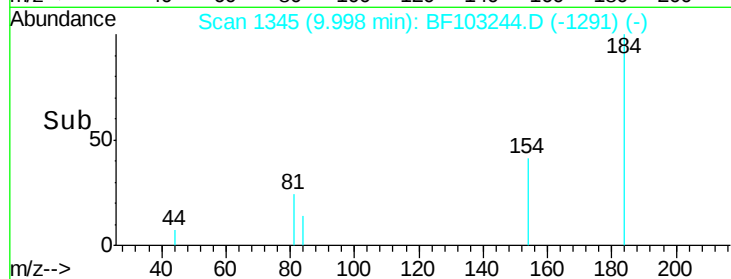
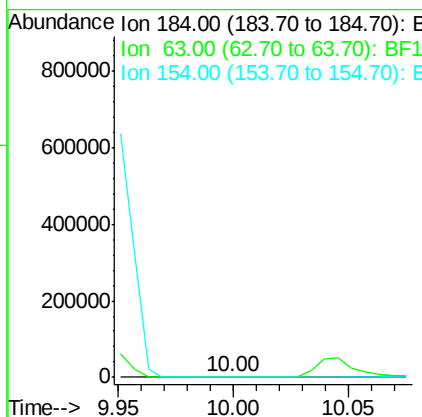
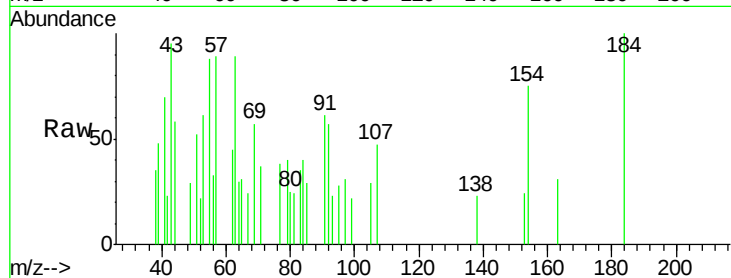
#53
 2,4-Dinitrophenol
 Concen: 10.804 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.02 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :
 OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	89.3	54.2	81.2#
154	74.5	184.0	276.0#

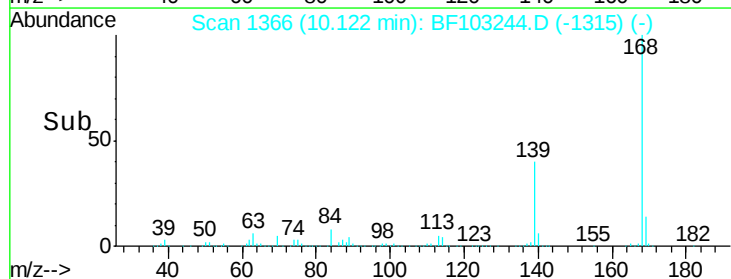
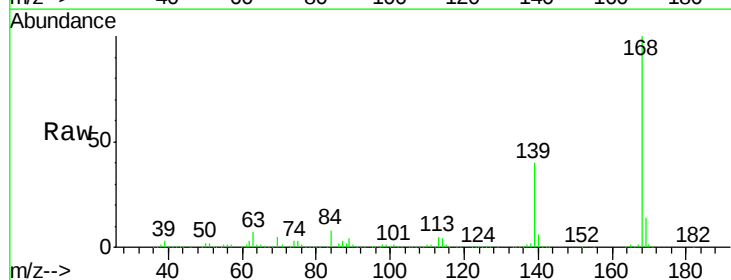
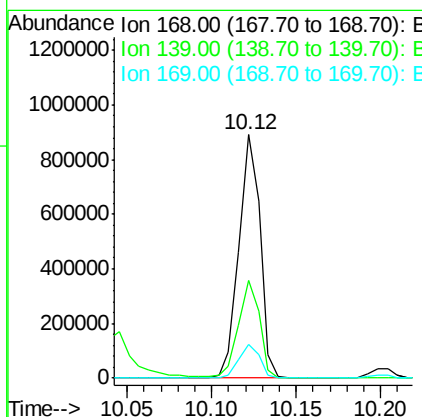
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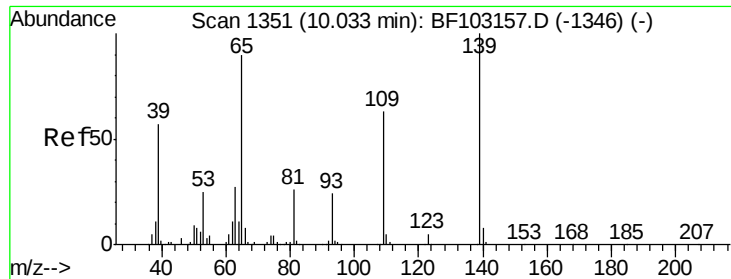
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#54
 Dibenzofuran
 Concen: 45.172 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.4	30.1	45.1
169	13.7	10.9	16.3





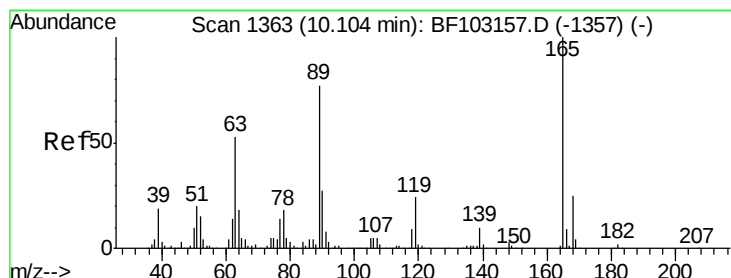
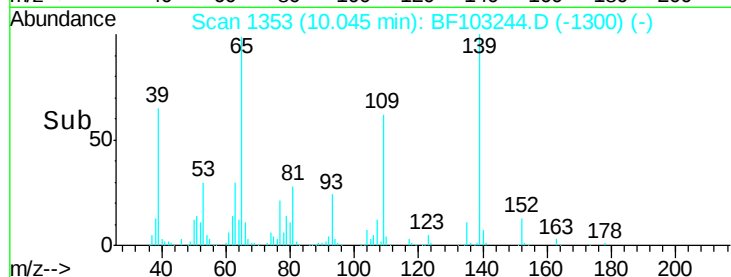
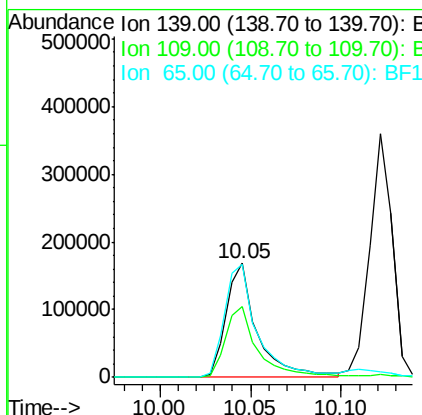
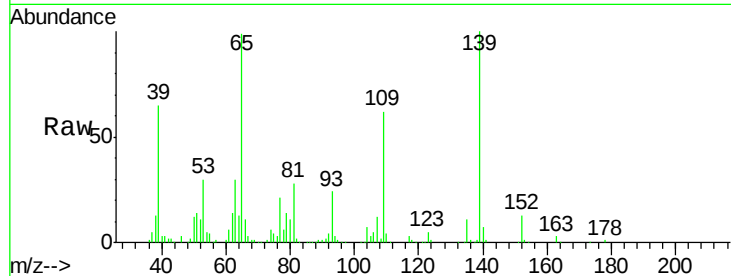
#55
4-Nitrophenol
Concen: 72.028 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	201766		
109	62.1	48.4	88.4	
65	98.9	72.6	112.6	

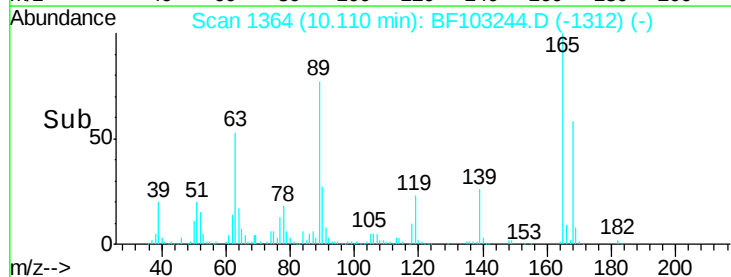
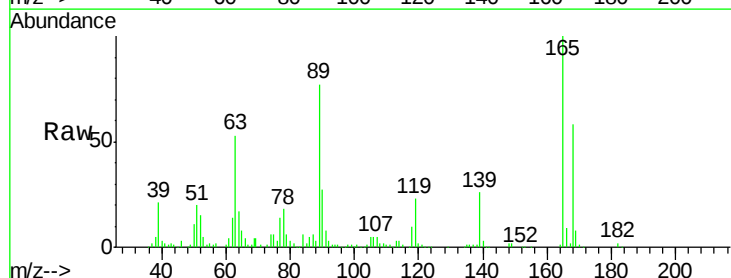
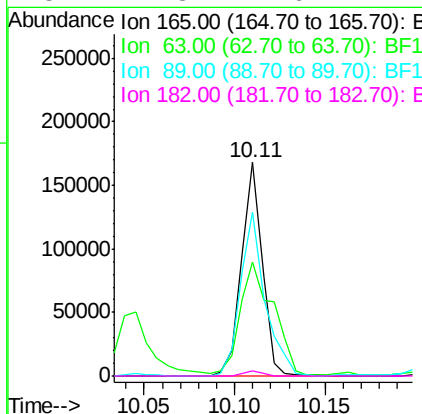
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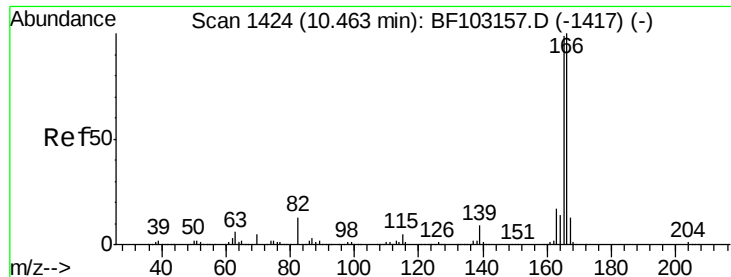
Sohil
2/27/2018 12:23:22 PM



#56
2,4-Dinitrotoluene
Concen: 29.750 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	134041		
63	53.3	36.4	54.6	
89	76.9	57.8	86.6	
182	2.3	1.6	2.4	





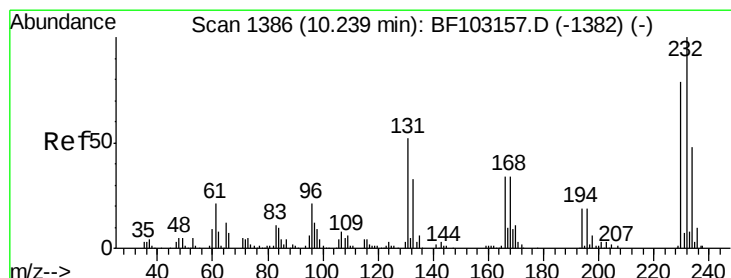
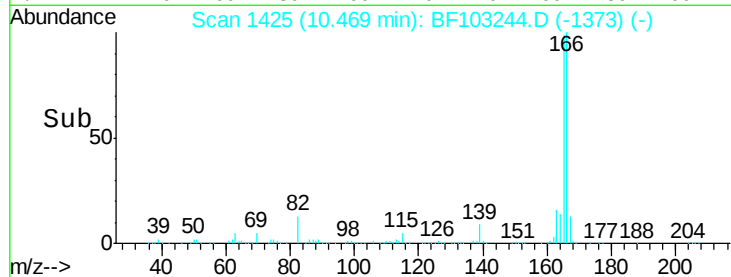
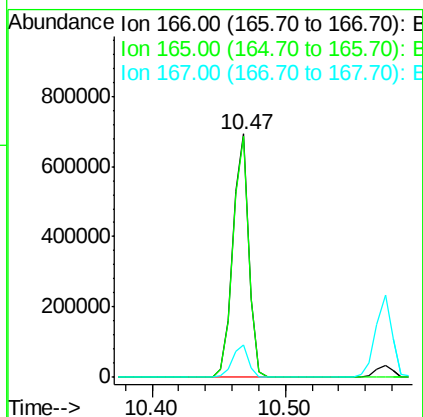
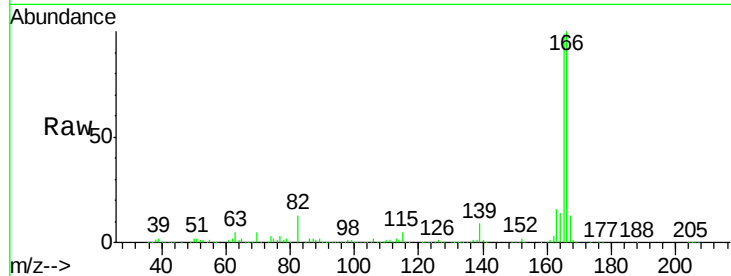
#57
 Fluorene
 Concen: 39.774 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :
 OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	585397		
165	99.2	79.8	119.8	
167	13.4	10.6	16.0	

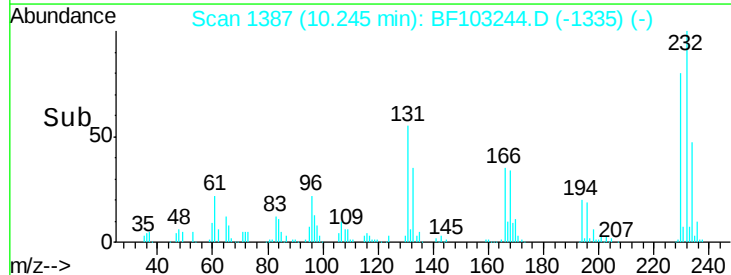
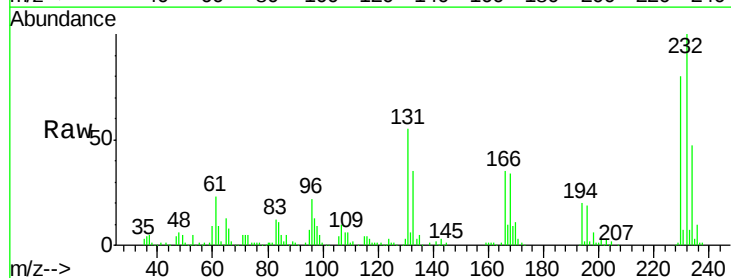
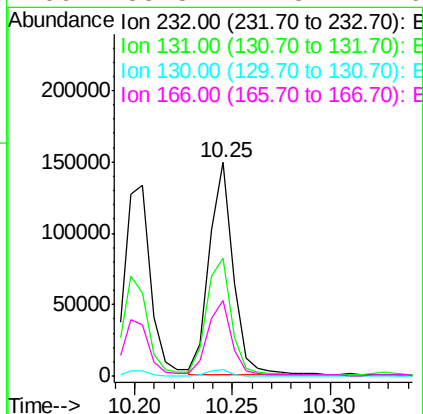
Manual Integrations
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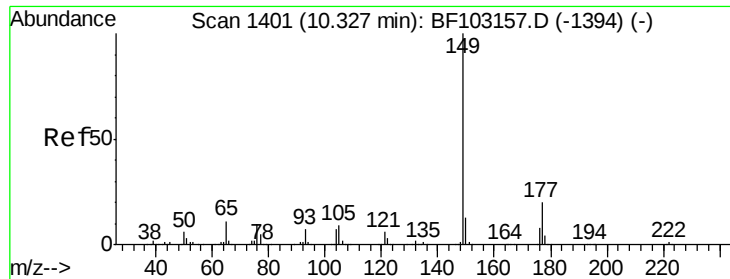
Sohil
 2/27/2018 12:23:22 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.271 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	127131		
131	58.8	43.8	65.8	
130	2.7	2.1	3.1	
166	35.8	27.8	41.6	





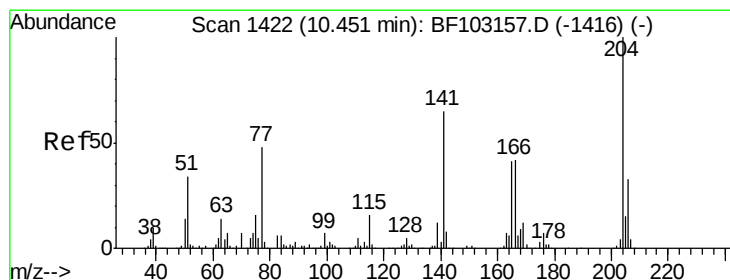
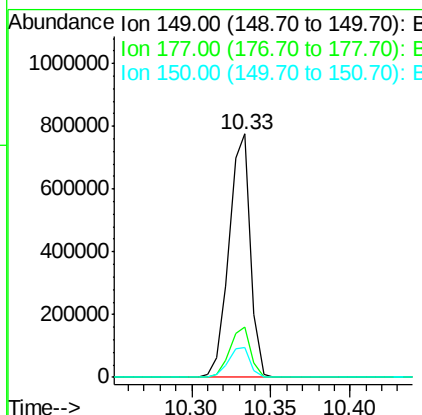
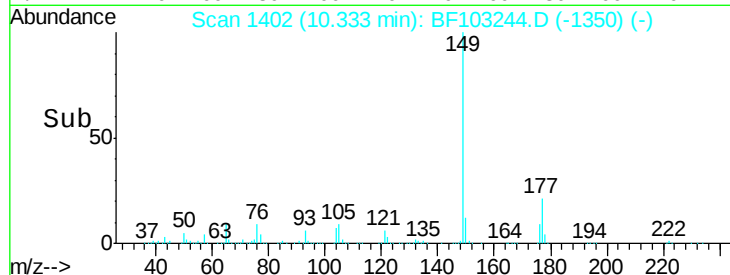
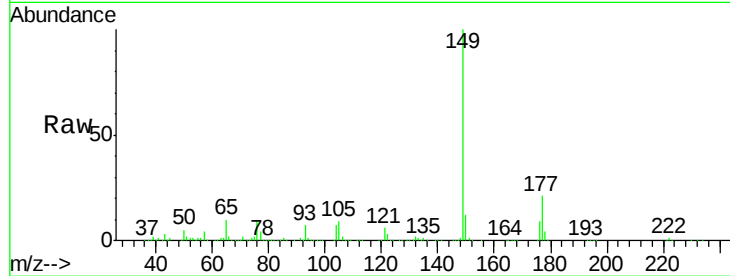
#59
Diethylphthalate
Concen: 44.770 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.6	16.1	24.1
150	12.1	10.1	15.1

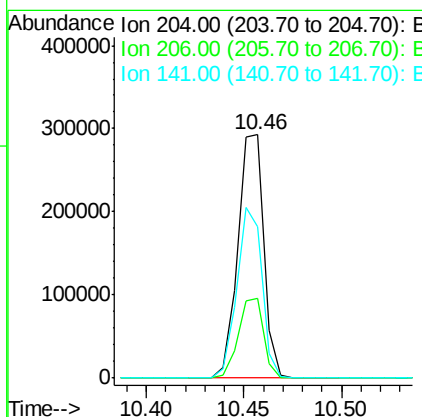
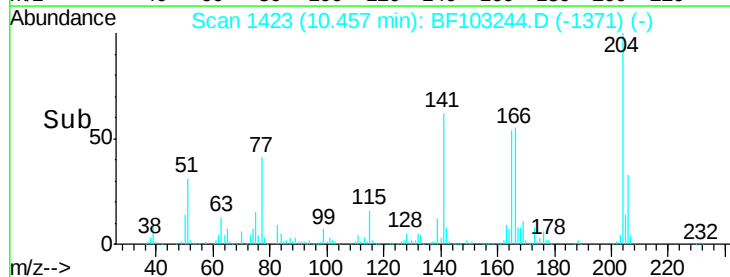
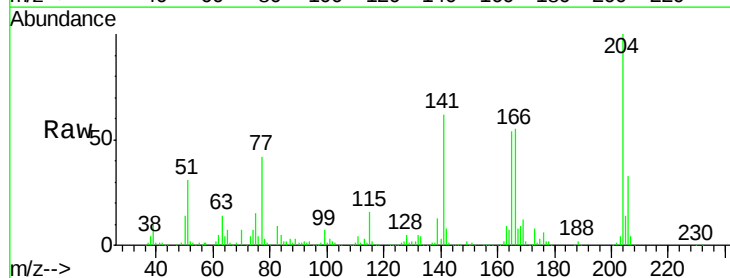
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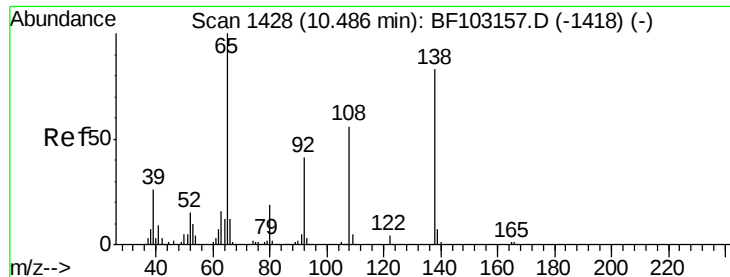
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#60
4-Chlorophenyl-phenylether
Concen: 43.225 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.3	54.6	81.8





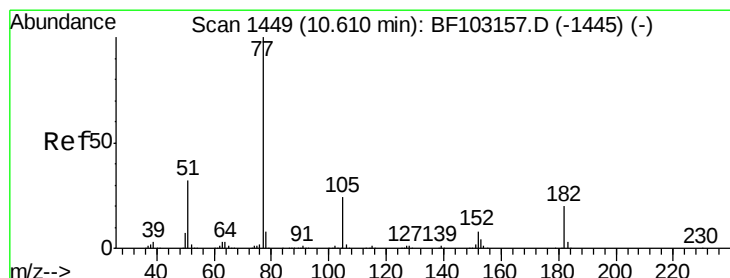
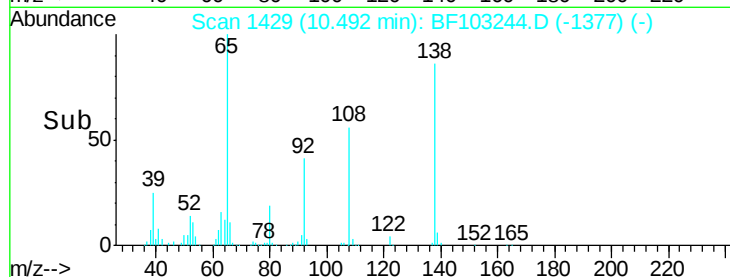
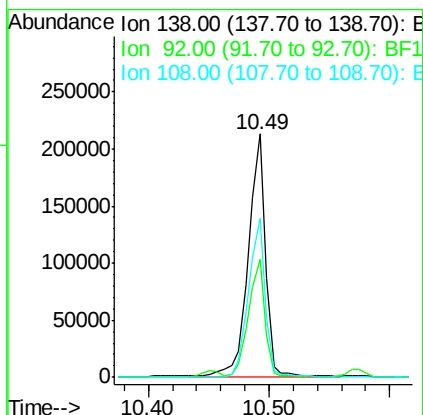
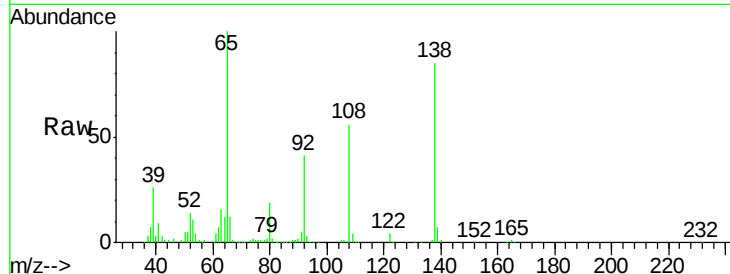
#61
4-Nitroaniline
Concen: 46.890 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	211683		
92	48.5	30.2	70.2	
108	65.5	52.5	92.5	

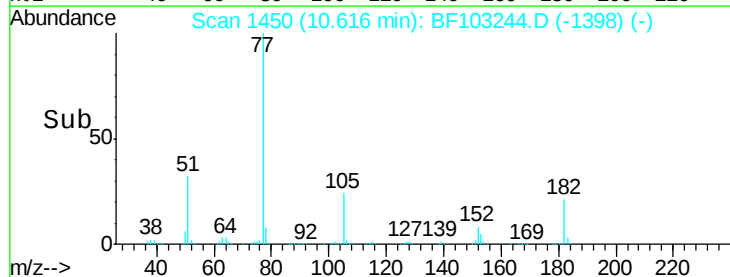
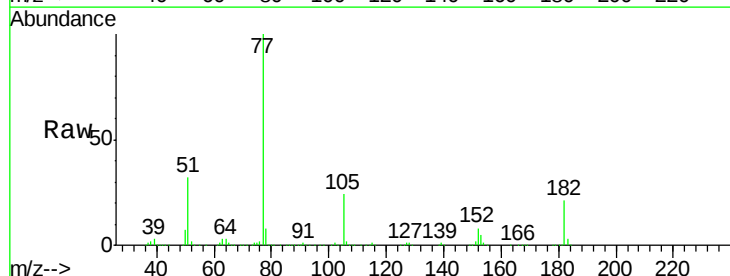
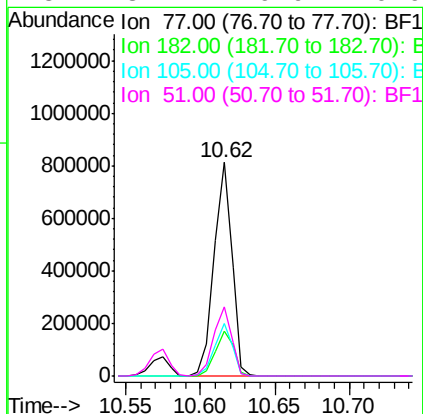
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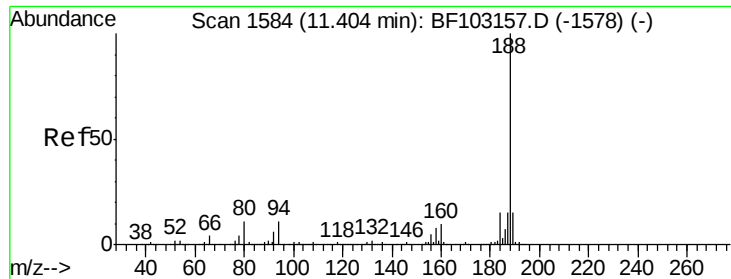
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#62
Azobenzene
Concen: 41.180 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	680552		
182	21.2	1.7	41.7	
105	24.4	3.0	43.0	
51	32.2	9.9	49.9	





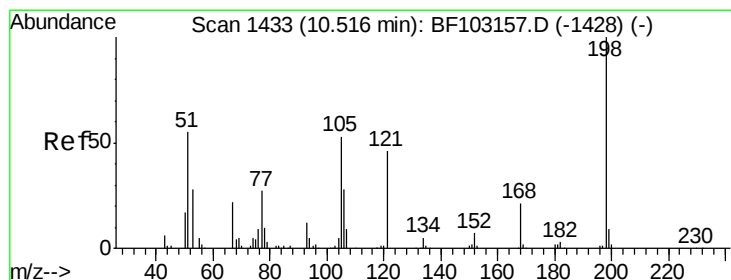
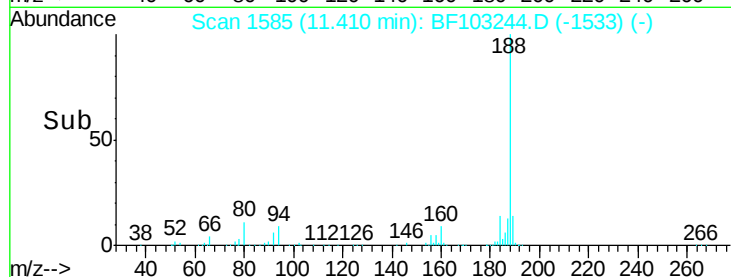
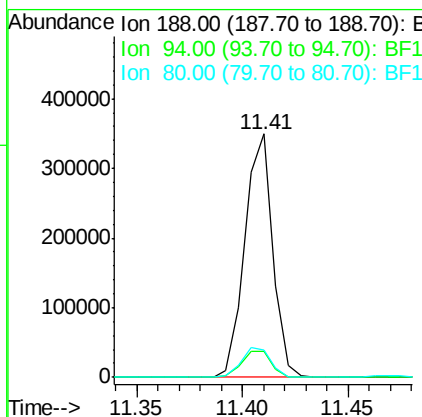
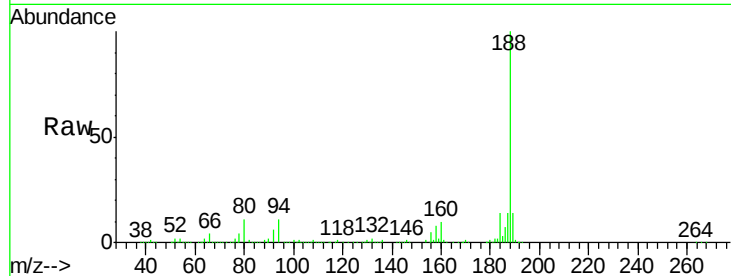
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	320410		
94	10.8		8.5	12.7
80	11.5		9.2	13.8

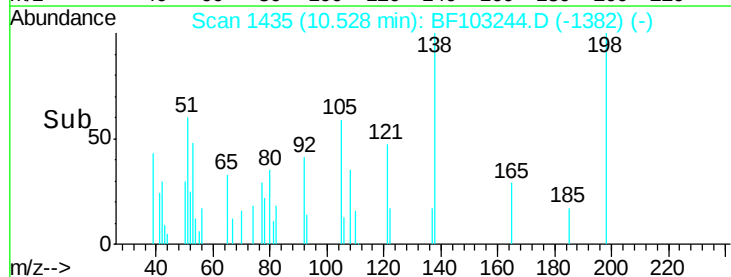
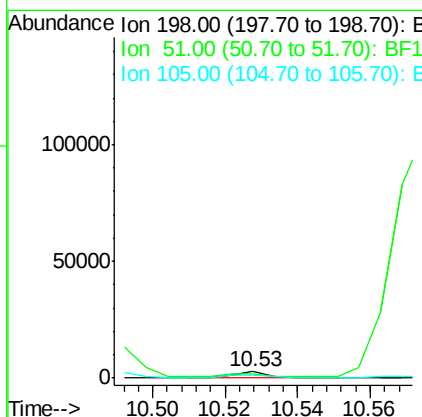
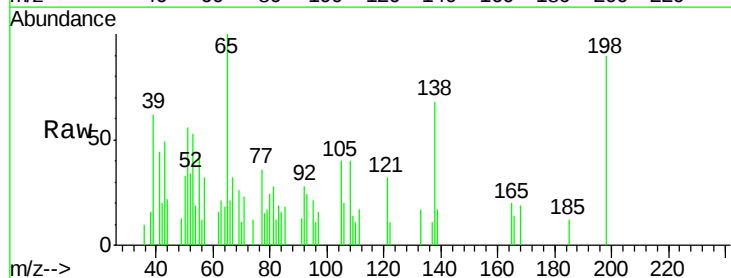
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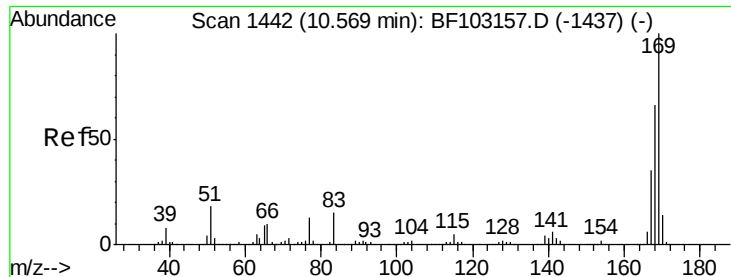
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#64
4,6-Dinitro-2-methylphenol
Concen: 5.830 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	1922		
51	62.0		37.7	77.7
105	44.3		36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 47.584 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

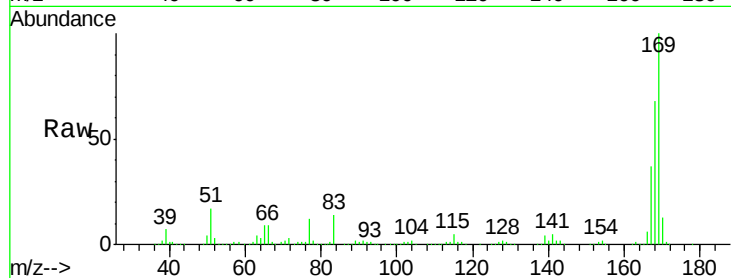
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

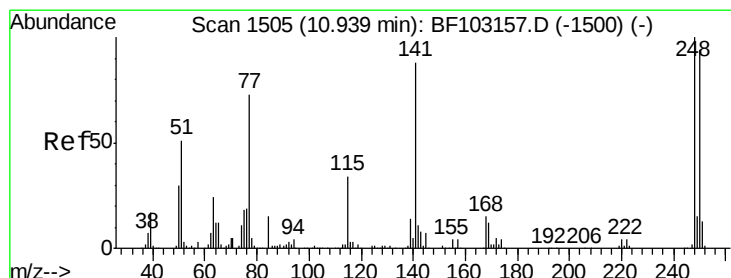
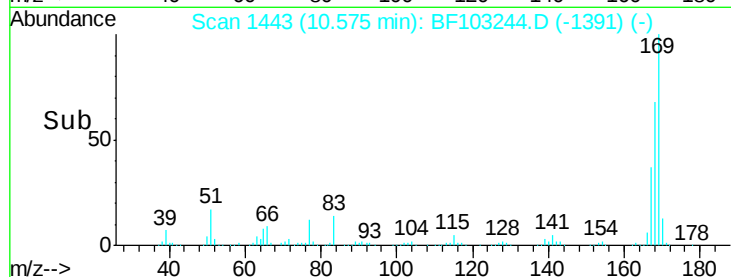
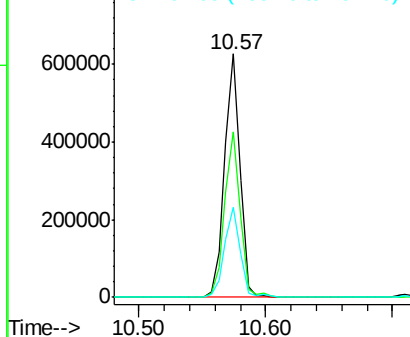
Tot Ion:	169	Resp:	530861
Ion Ratio	Lower	Upper	
169	100		
168	67.9	54.4	81.6
167	37.2	29.8	44.6

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.624 ng

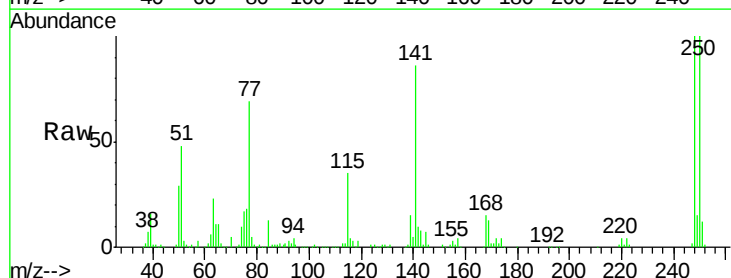
RT: 10.95 min Scan# 1506

Delta R.T. 0.01 min

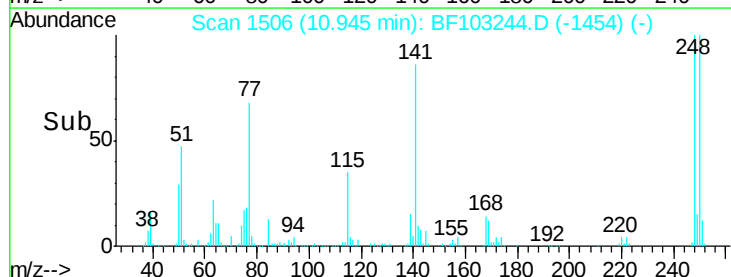
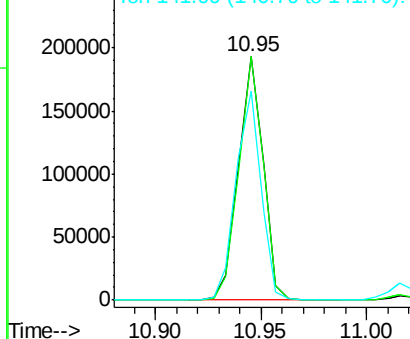
Lab File: BF103244.D

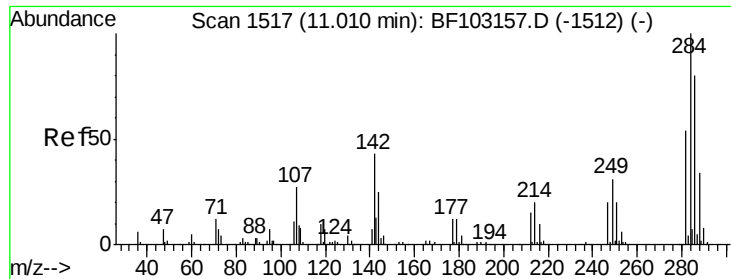
Acq: 27 Feb 2018 3:14

Tgt Ion:	248	Resp:	155617
Ion Ratio	Lower	Upper	
248	100		
250	99.8	76.9	115.3
141	86.0	74.4	111.6



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





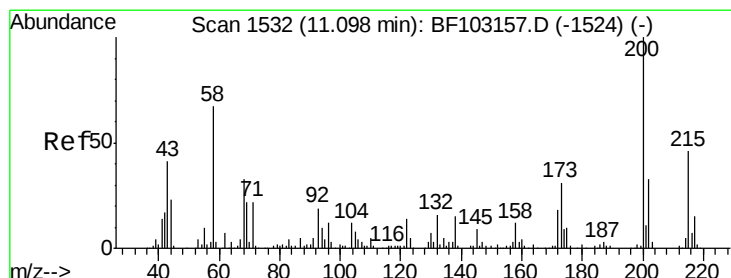
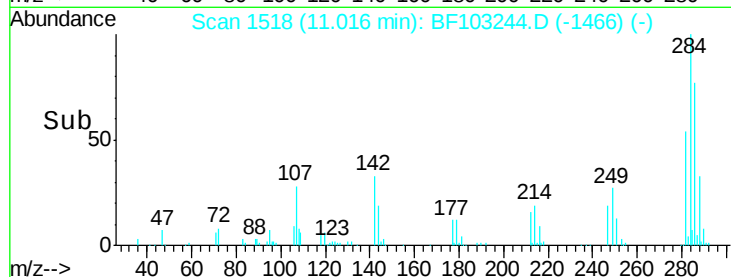
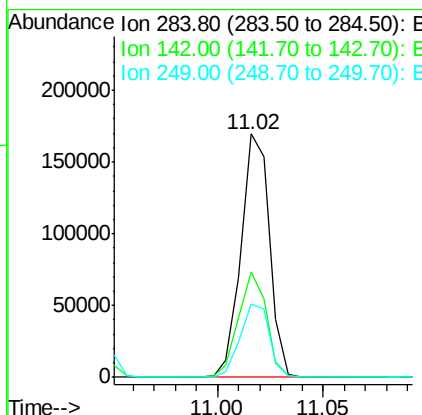
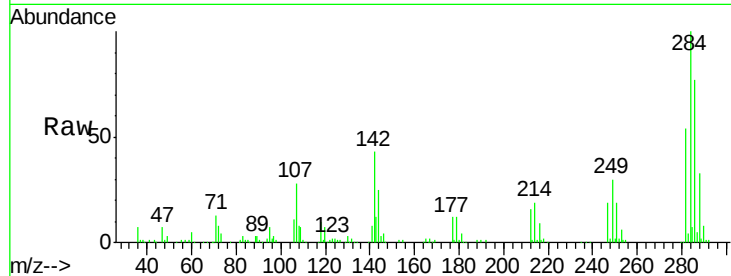
#67
Hexachlorobenzene
Concen: 43.667 ng
RT: 11.02 min Scan# 1518
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	158194		
142	43.4	34.6	52.0	
249	29.9	24.8	37.2	

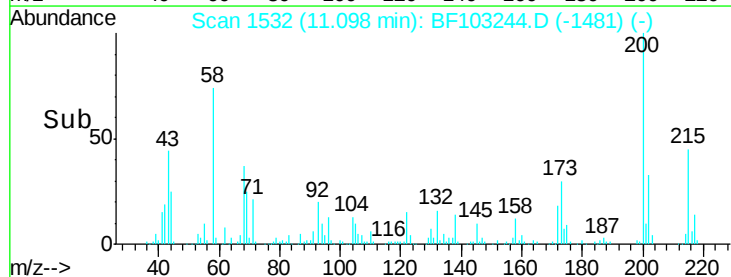
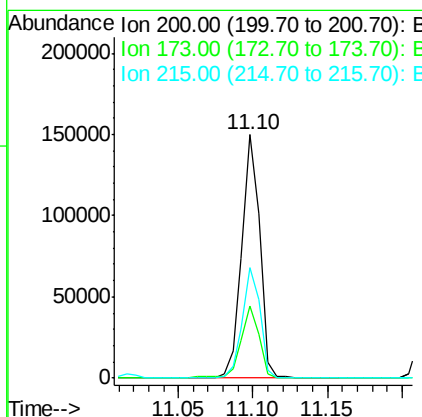
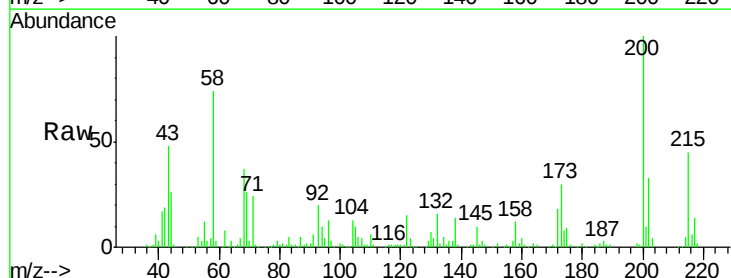
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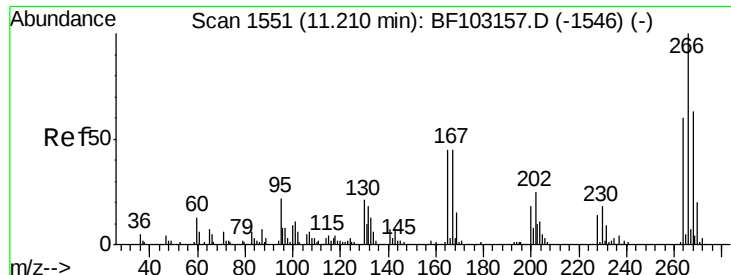
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#68
Atrazine
Concen: 37.579 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	126010		
173	29.8	8.6	48.6	
215	45.4	25.1	65.1	





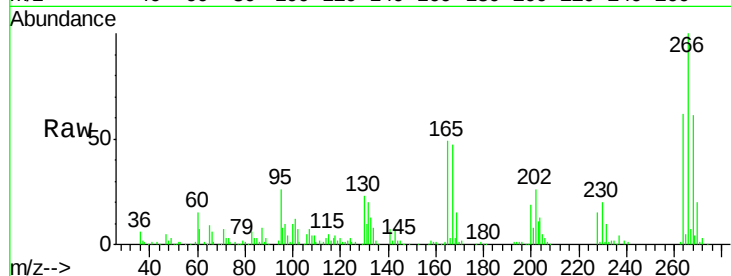
#69
 Pentachlorophenol
 Concen: 70.741 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampled :
 OIL-SEP-EXC-NW@2.5MSD

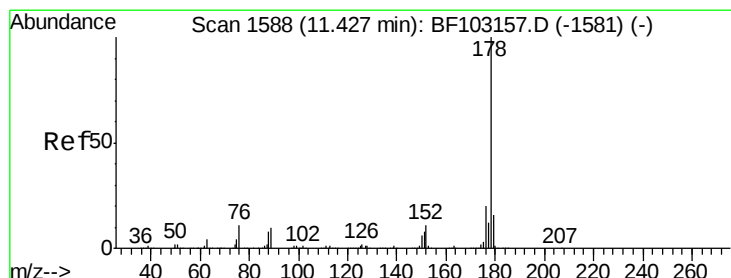
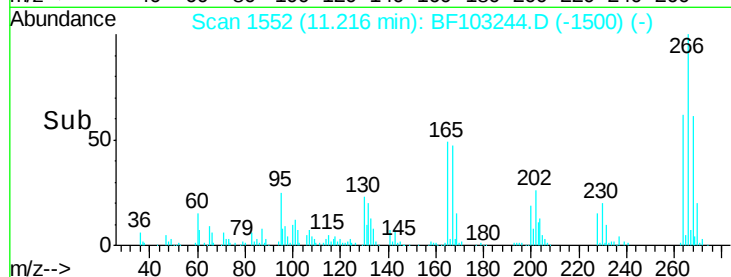
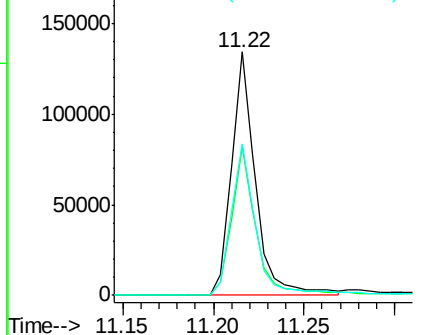
Tot Ion	Ratio	Lower	Upper
266	100		
268	61.3	51.1	76.7
264	62.1	49.5	74.3

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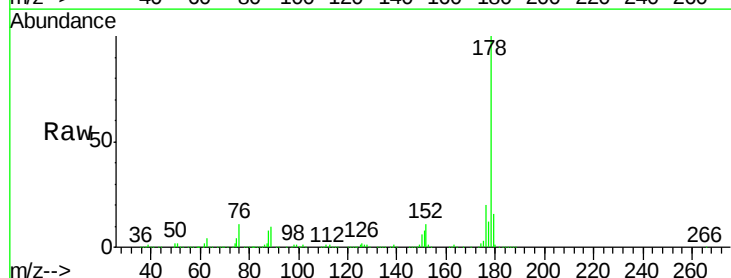


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

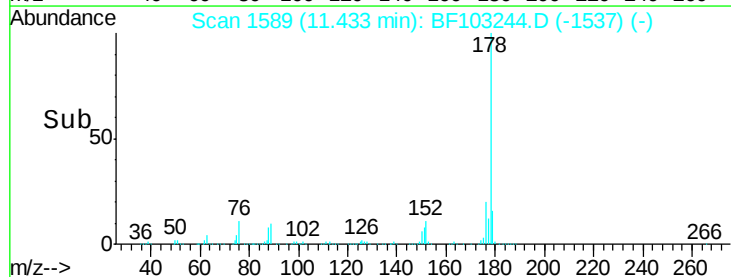
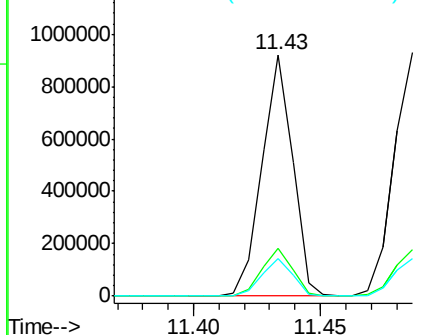


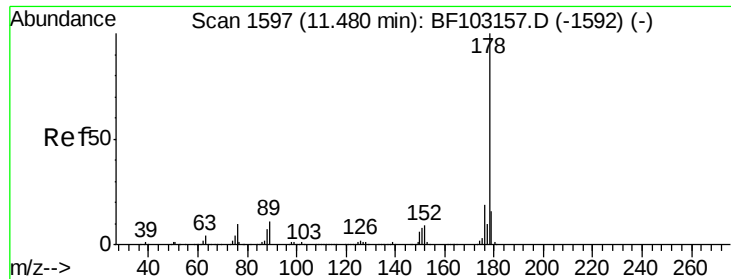
#70
 Phenanthrene
 Concen: 44.097 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.7	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





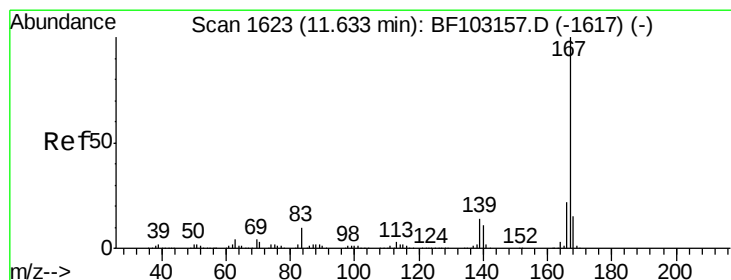
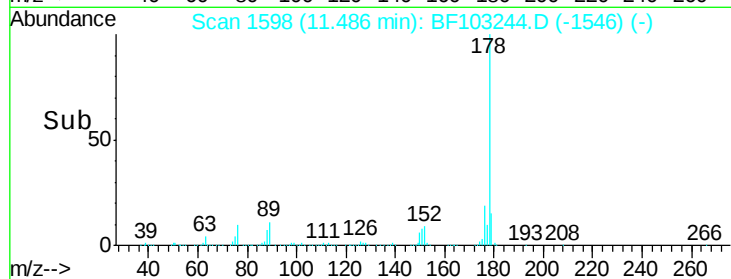
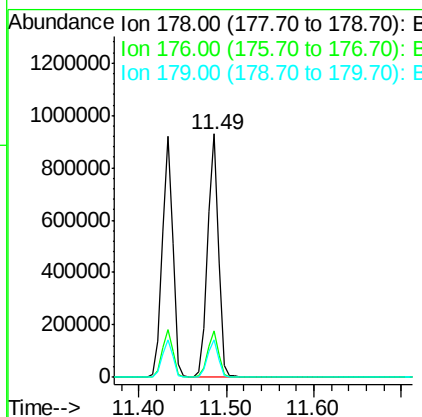
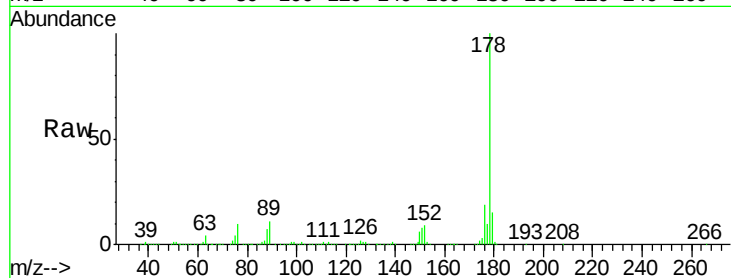
#71
 Anthracene
 Concen: 44.777 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :
 OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.4	12.6	19.0

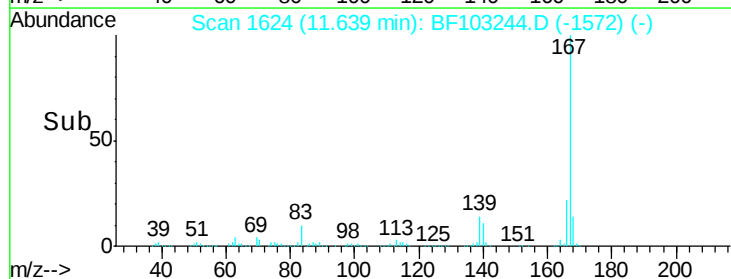
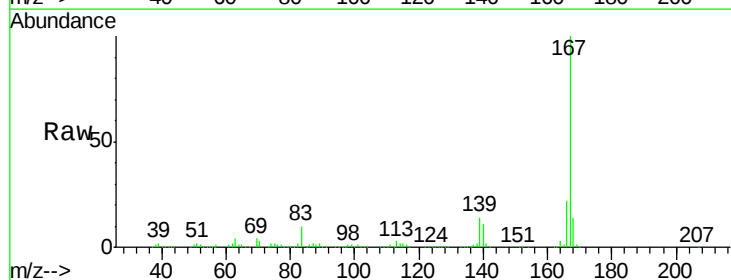
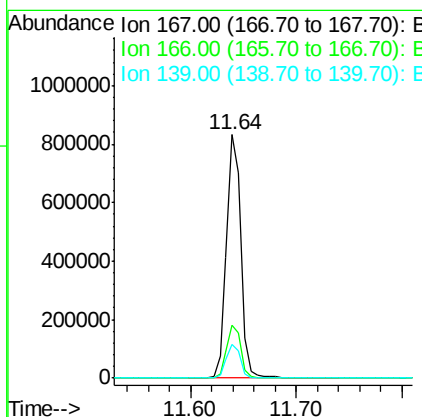
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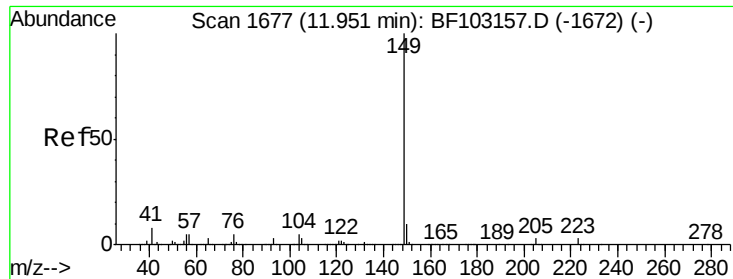
Sohil
 2/27/2018 12:23:22 PM



#72
 Carbazole
 Concen: 43.790 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	14.1	10.9	16.3





#73

Di-n-butylphthalate

Concen: 45.716 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

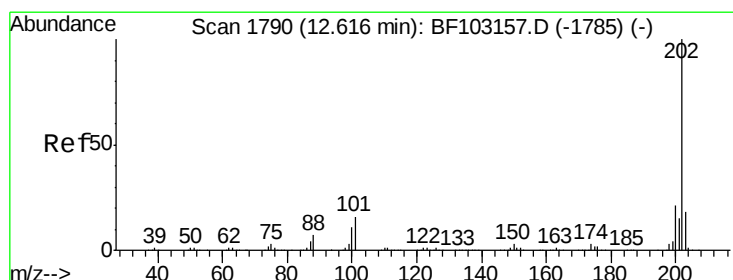
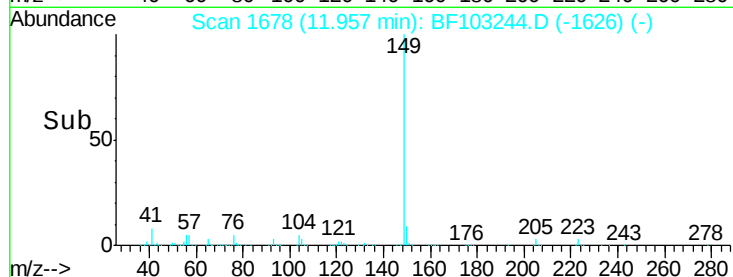
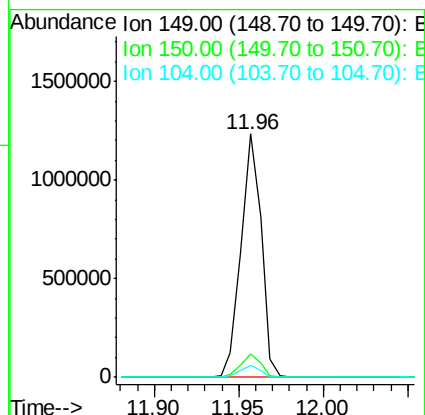
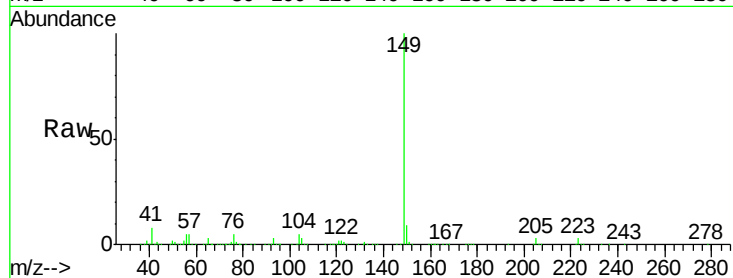
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion:	149	Resp:	1030035
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.8	11.6
104	4.9	3.8	5.8

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2/27/2018 12:23:22 PM



#74

Fluoranthene

Concen: 44.232 ng

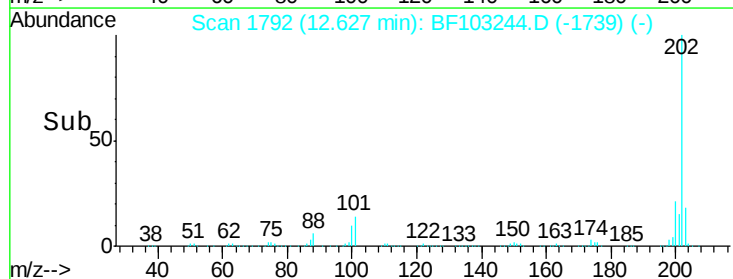
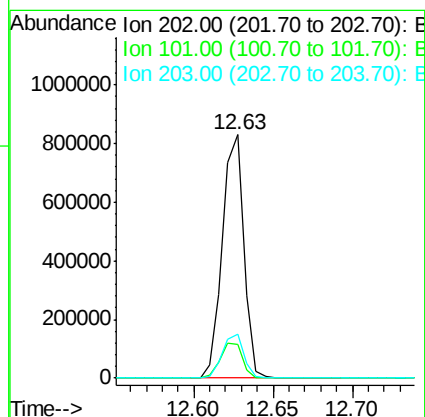
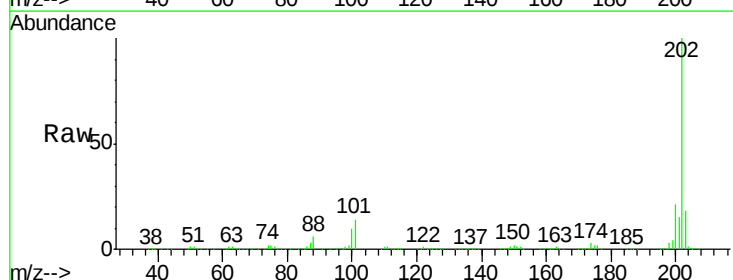
RT: 12.63 min Scan# 1792

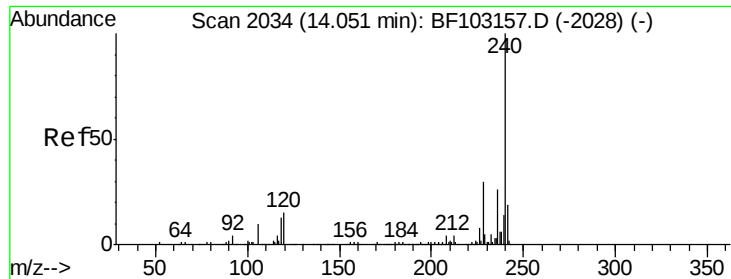
Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion:	202	Resp:	783761
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Instrument :

BNA_F

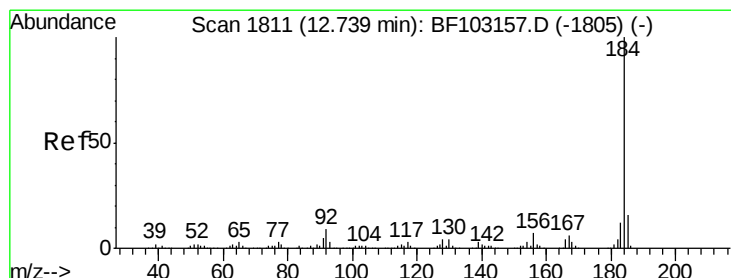
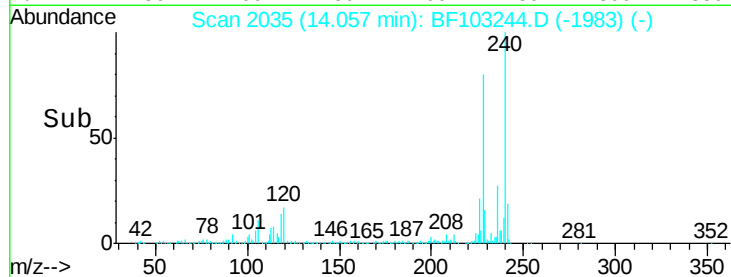
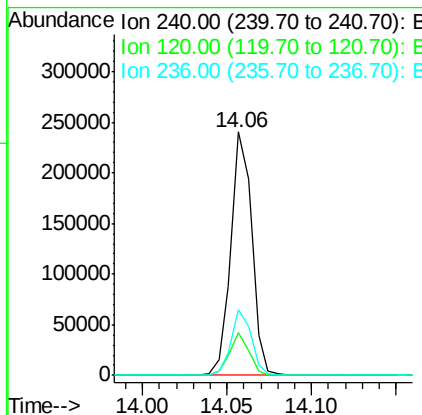
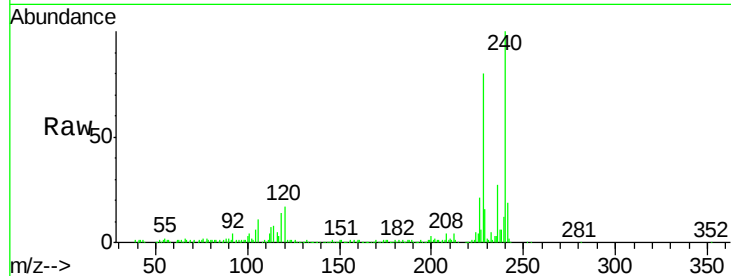
ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.4	9.5	14.3#
236	26.9	20.7	31.1

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#76

Benzidine

Concen: 83.402 ng

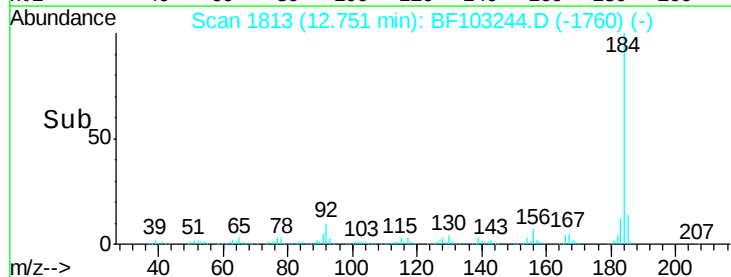
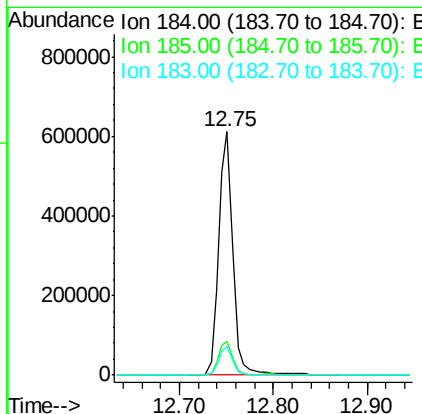
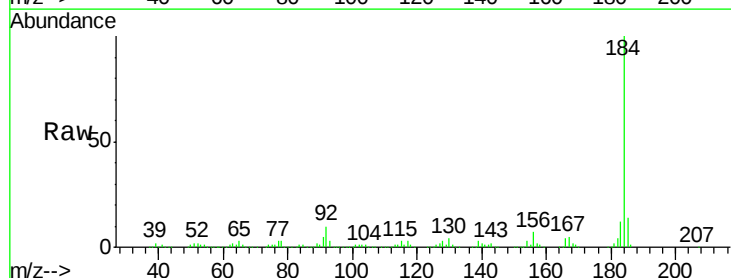
RT: 12.75 min Scan# 1813

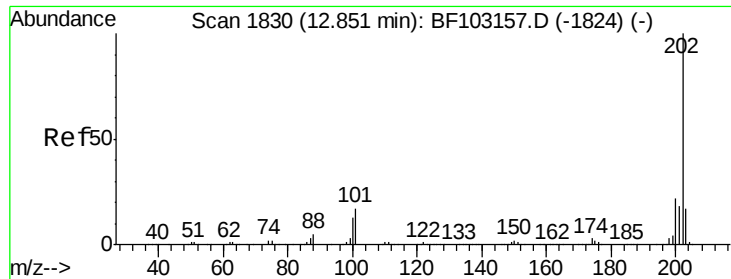
Delta R.T. 0.01 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.0	12.6	18.8
183	11.6	9.3	13.9





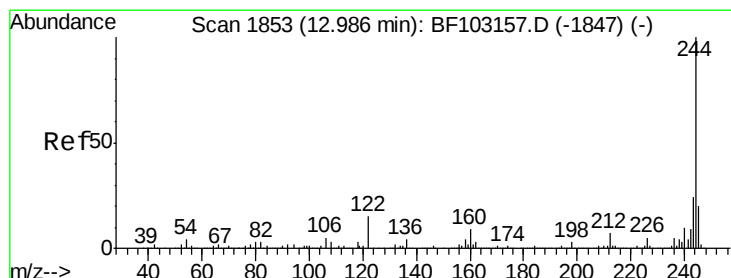
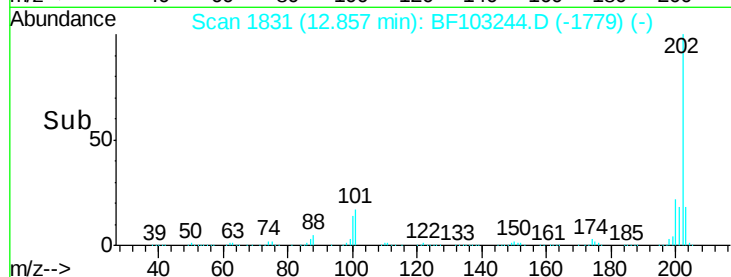
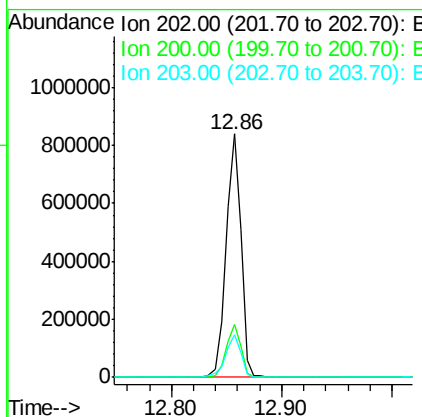
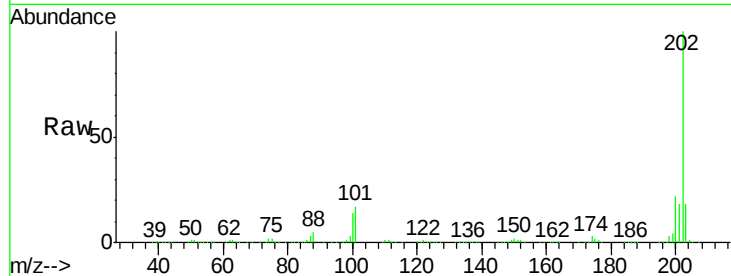
#77
Pvrene
Concen: 48.995 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	793057		
200	21.9		17.4	26.2
203	17.6		14.3	21.5

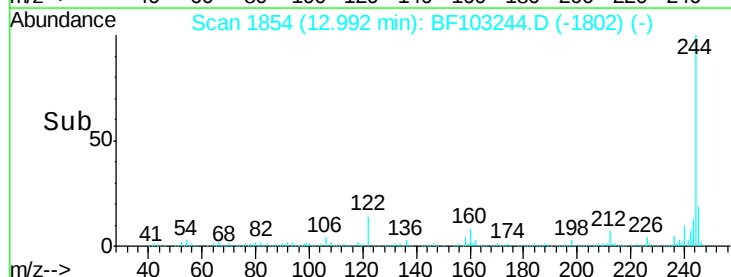
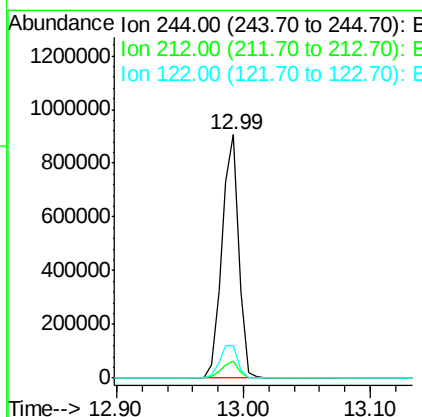
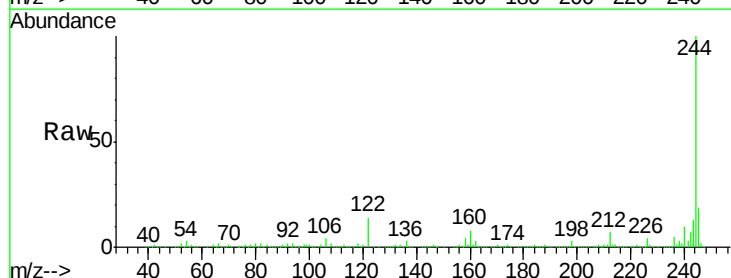
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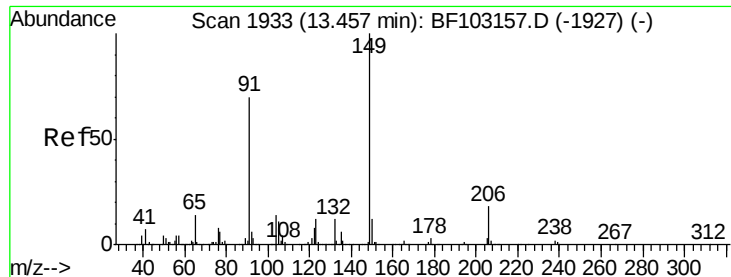
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#78
Terphenyl-d14
Concen: 96.936 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	837187		
212	6.8		5.4	8.0
122	13.5		11.0	16.4





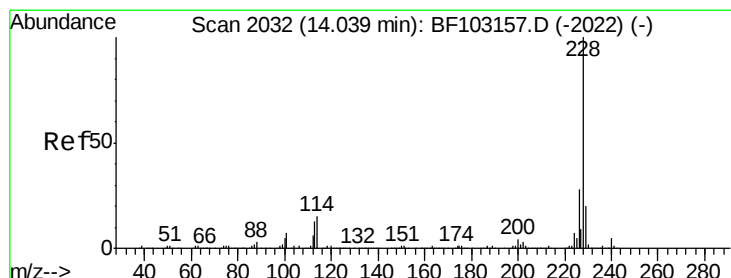
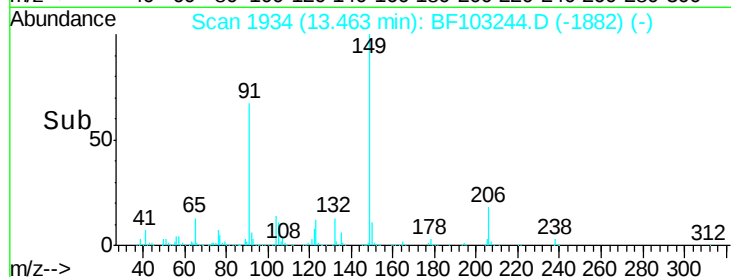
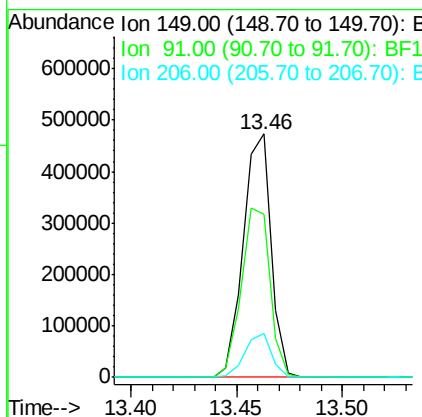
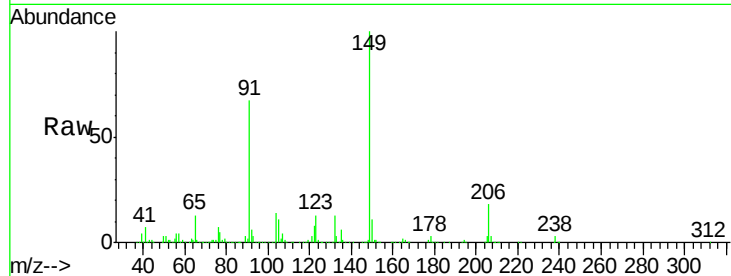
#79
Butylbenzylphthalate
Concen: 50.482 ng
RT: 13.46 min Scan# 1934
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	66.9	56.8	85.2
206	18.0	14.1	21.1

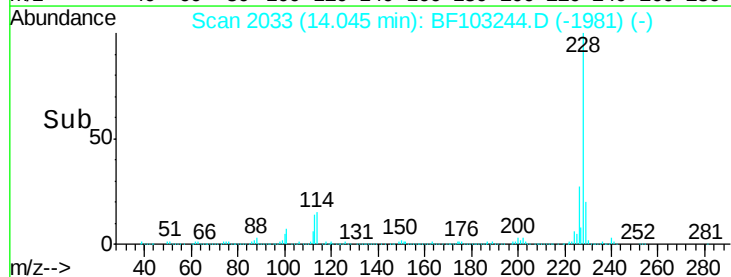
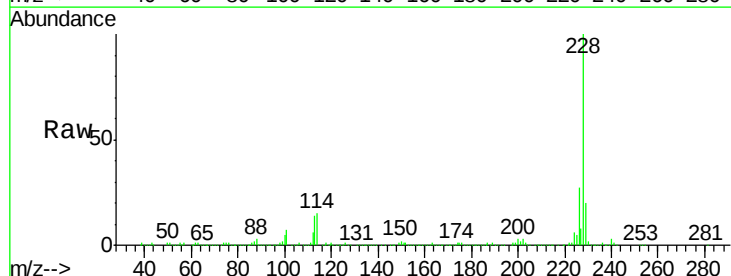
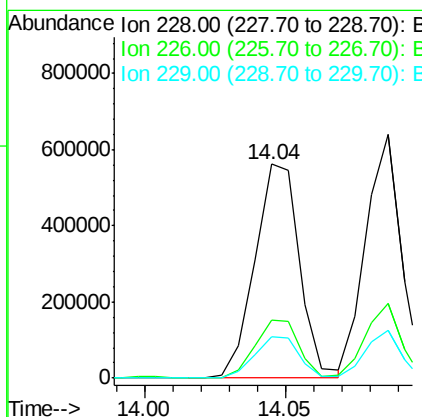
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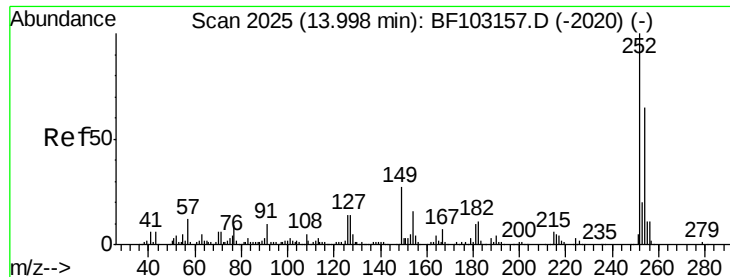
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#80
Benzo(a)anthracene
Concen: 45.804 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	19.7	15.8	23.6





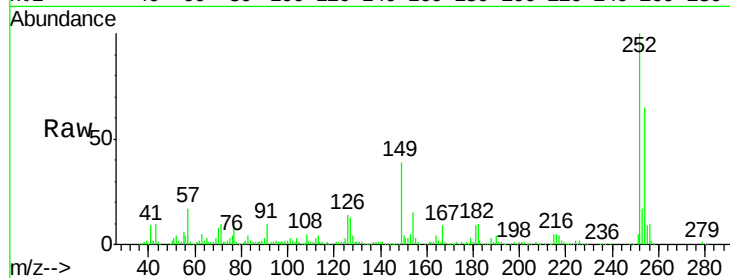
#81
3,3'-Dichlorobenzidine
Concen: 51.811 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.4	75.6
126	14.4	11.3	16.9

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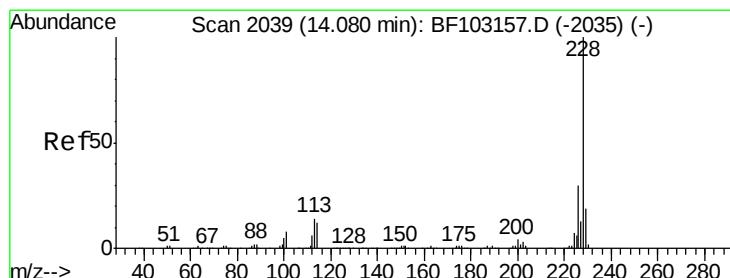
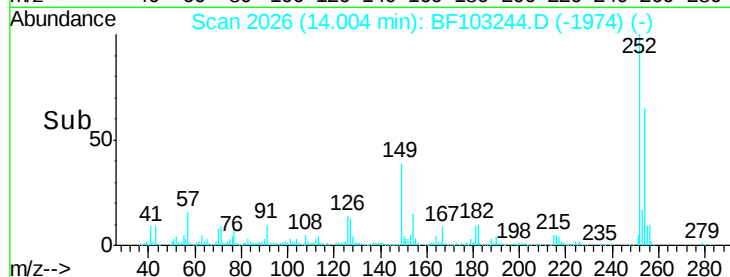
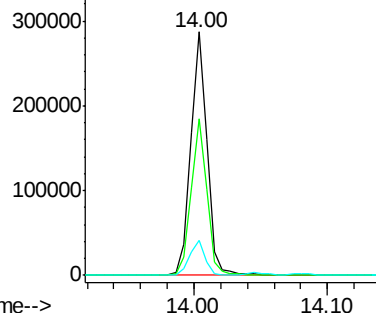


Abundance

Ion 252.00 (251.70 to 252.70): E

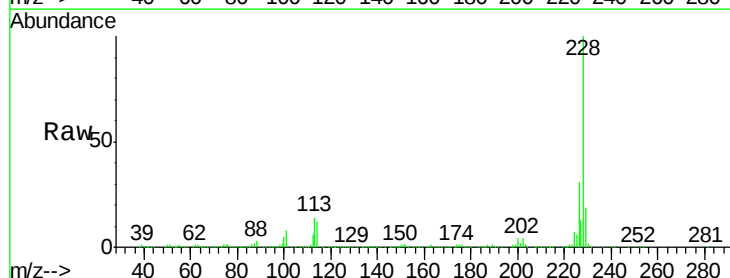
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
Chrysene
Concen: 42.662 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.4	16.2	24.4

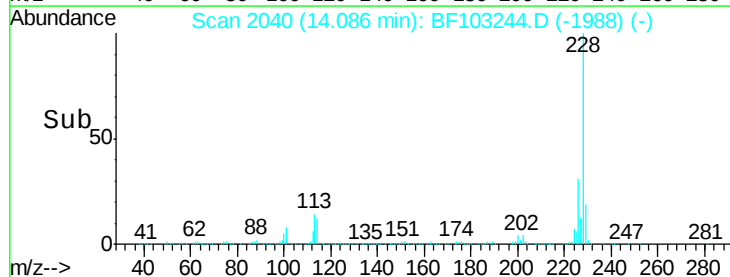
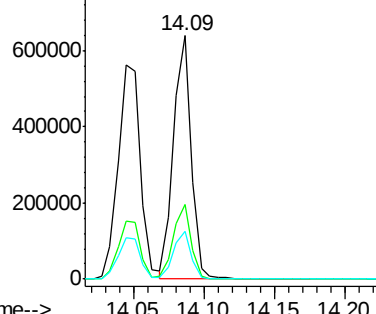


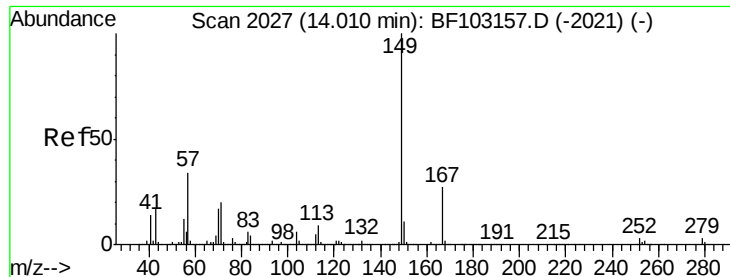
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





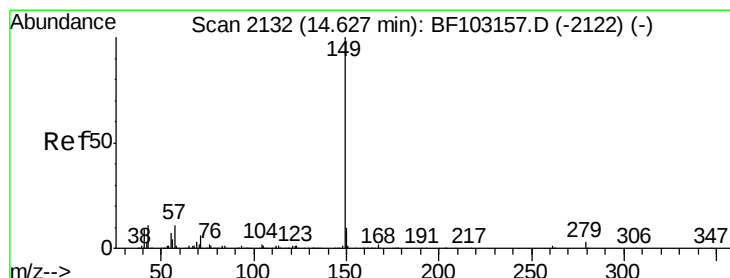
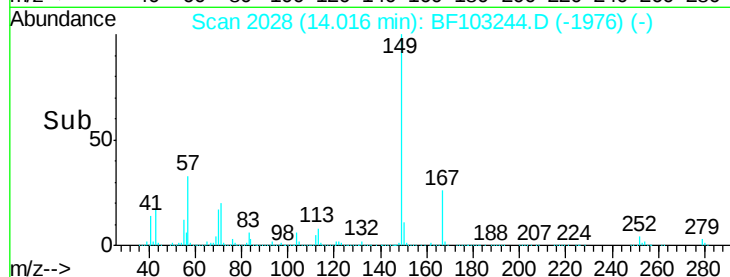
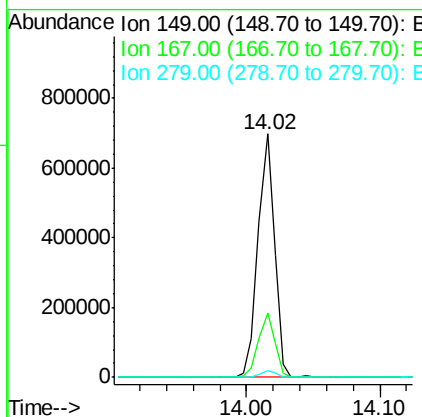
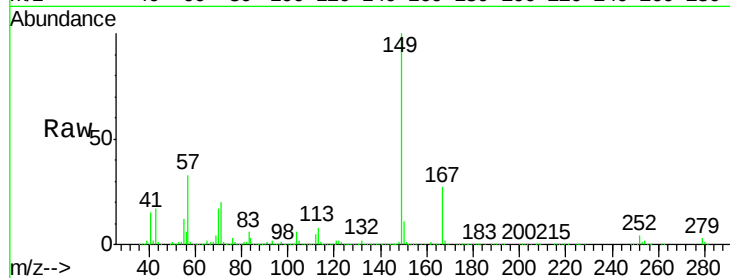
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 50.876 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Instrument :
 BNA_F
 ClientSampleId :
 OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.3	31.9
279	2.8	3.0	4.4#

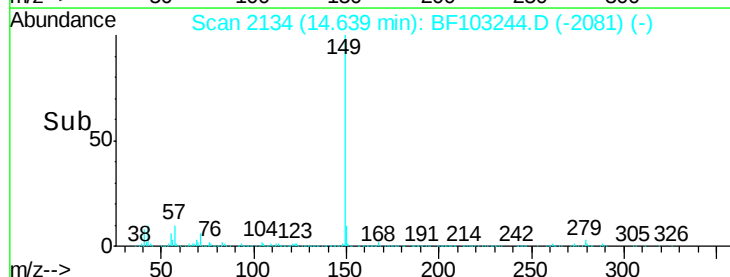
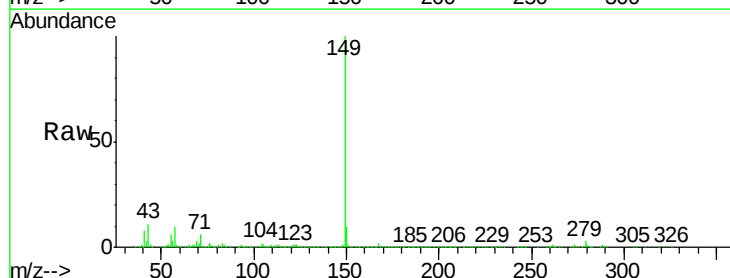
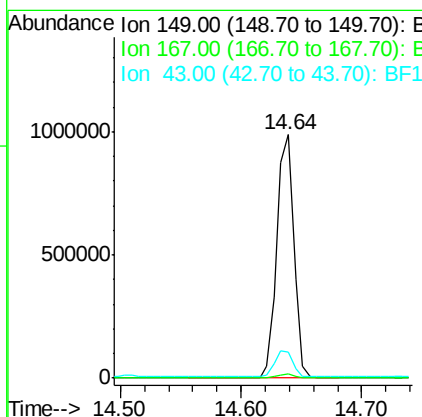
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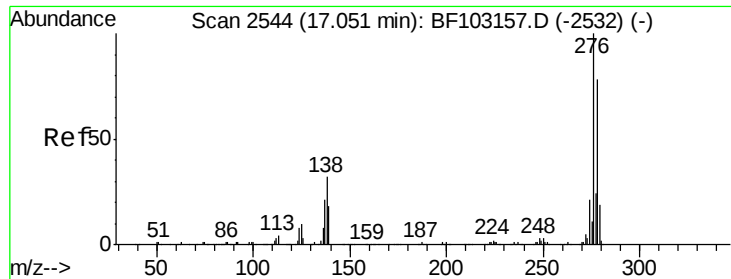
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 2/27/2018 12:23:22 PM



#84
 Di-n-octyl phthalate
 Concen: 51.077 ng
 RT: 14.64 min Scan# 2134
 Delta R.T. 0.01 min
 Lab File: BF103244.D
 Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.6	8.4	12.6





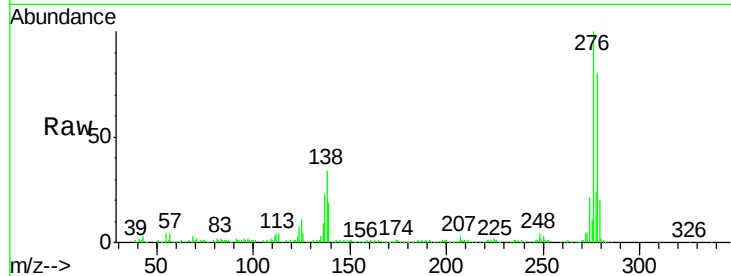
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.920 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.03 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

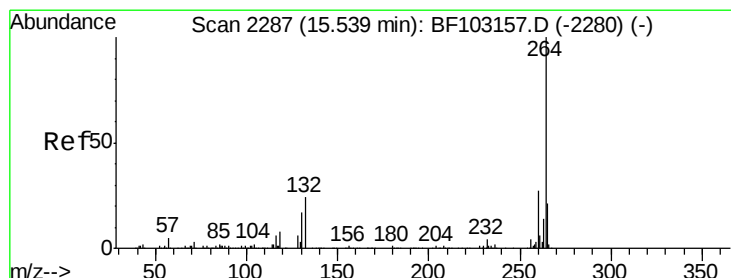
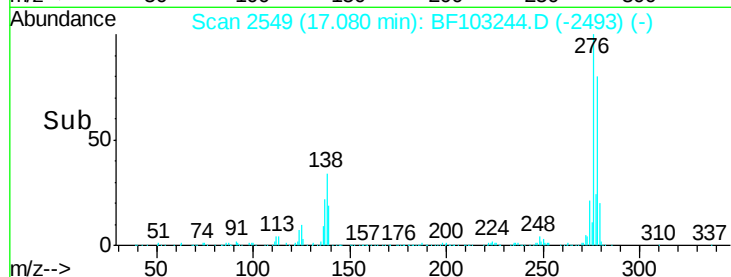
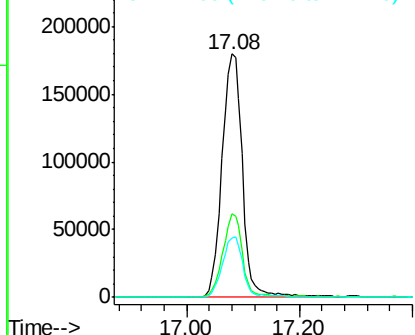
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.3	25.0	37.6
277	25.0	20.1	30.1

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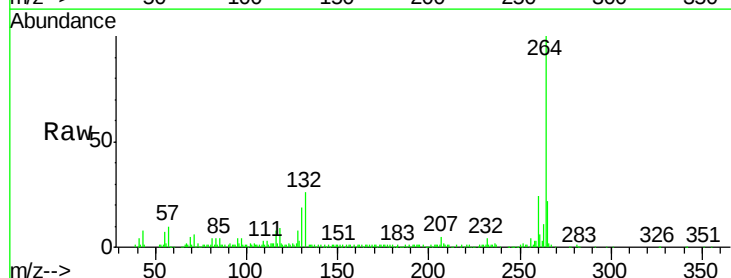


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

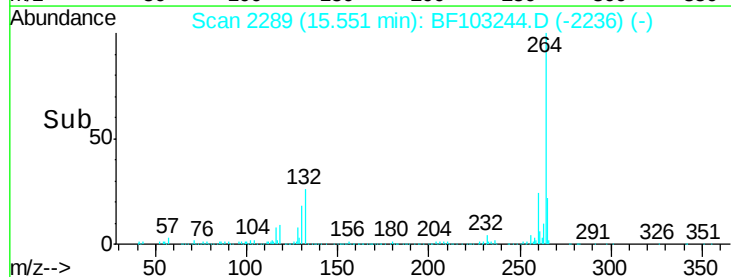
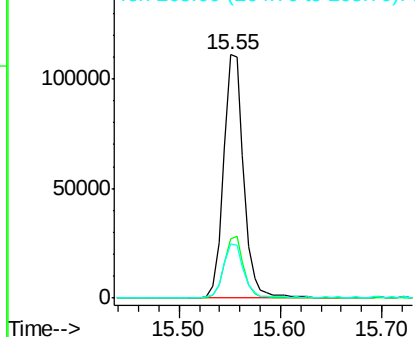


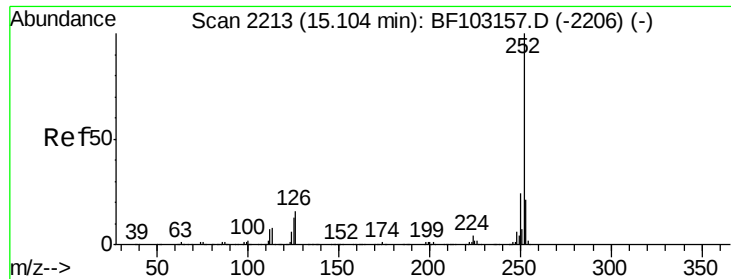
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.4	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





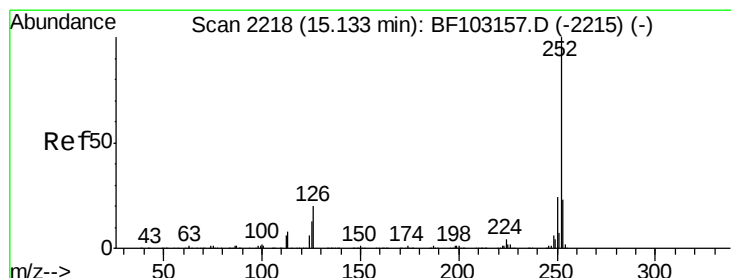
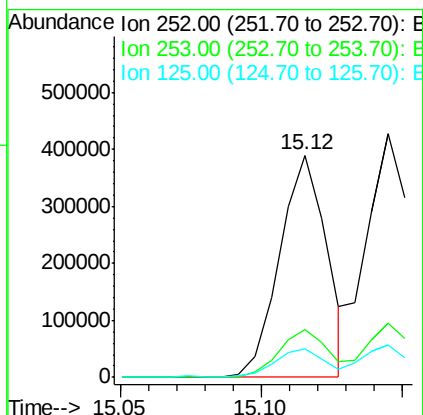
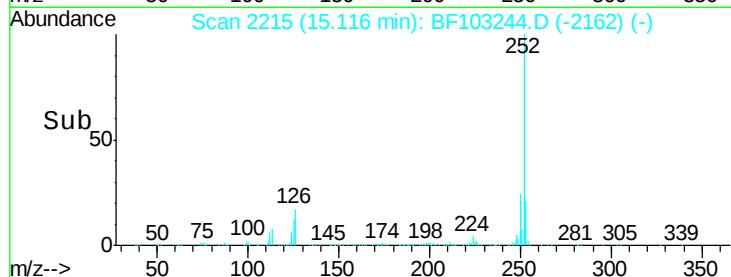
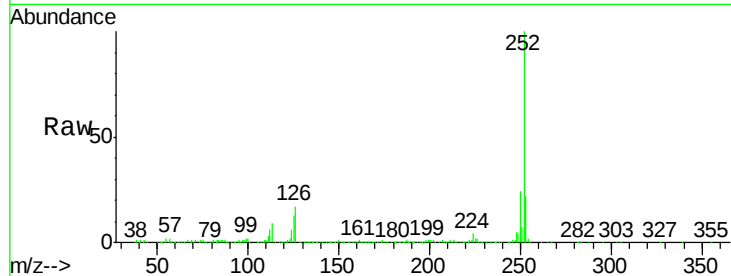
#87
Benzo(b)fluoranthene
Concen: 44.891 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	12.7	9.0	13.6

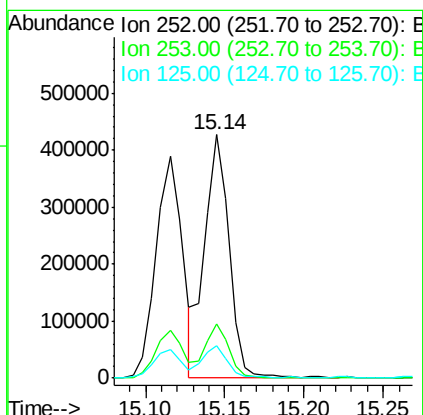
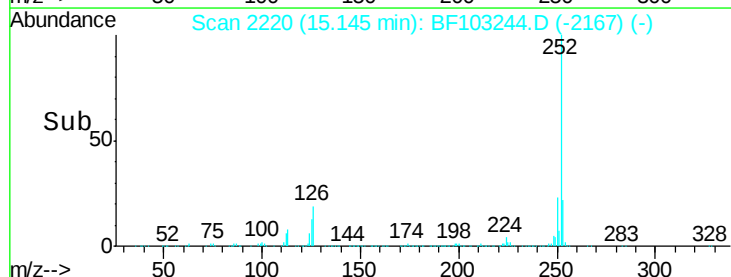
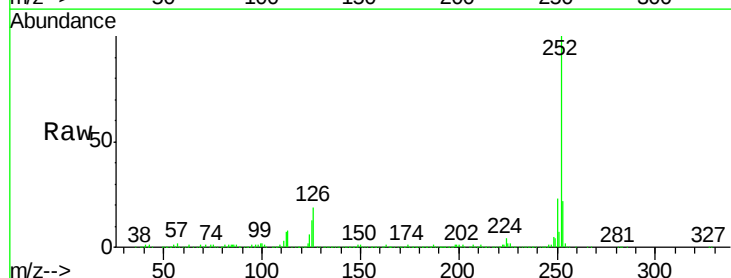
Manual Integrations
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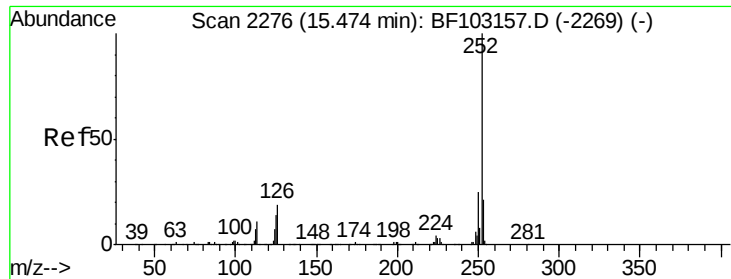
Sohil
2/27/2018 12:23:22 PM



#88
Benzo(k)fluoranthene
Concen: 48.556 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	13.4	10.2	15.2





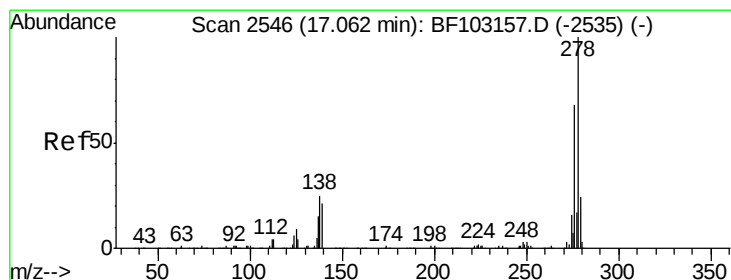
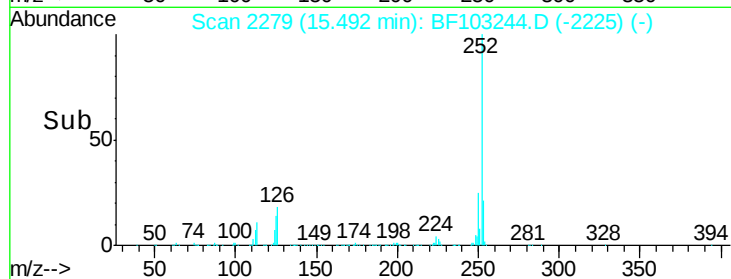
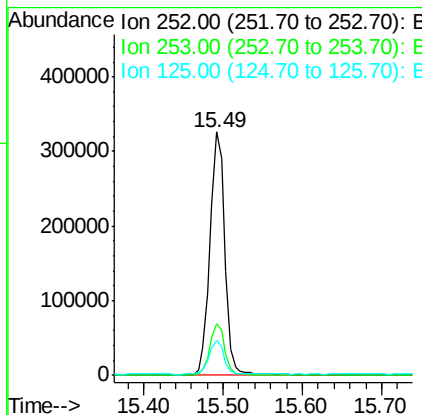
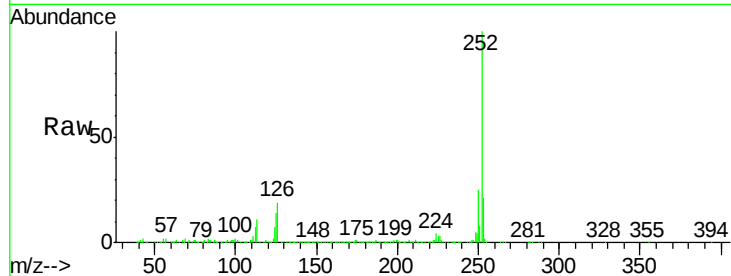
#89
Benzo(a)pyrene
Concen: 47.697 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Instrument :
BNA_F
ClientSampleId :
OIL-SEP-EXC-NW@2.5MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	14.5	9.8	14.6

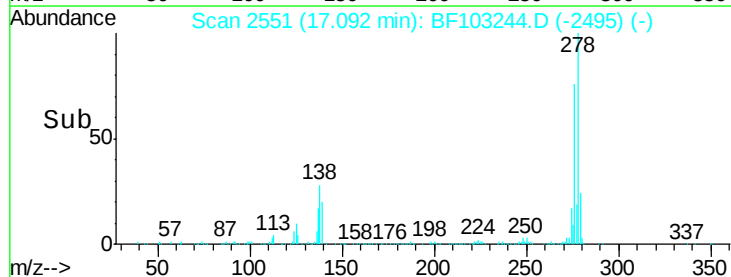
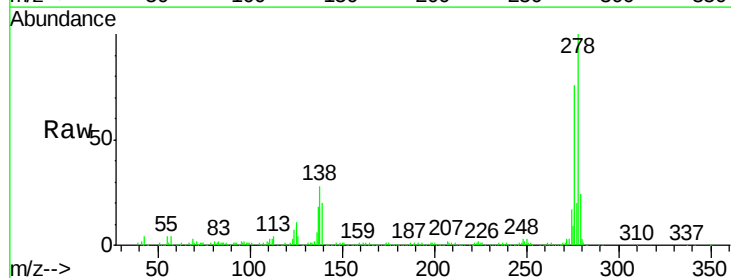
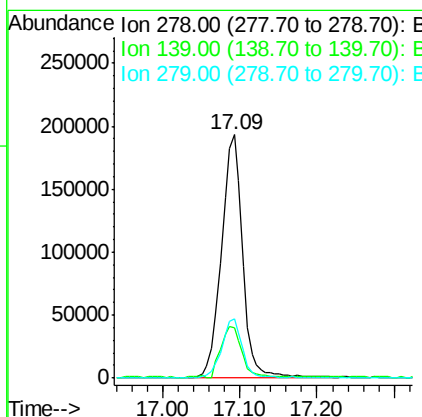
Manual Integrations
APPROVED

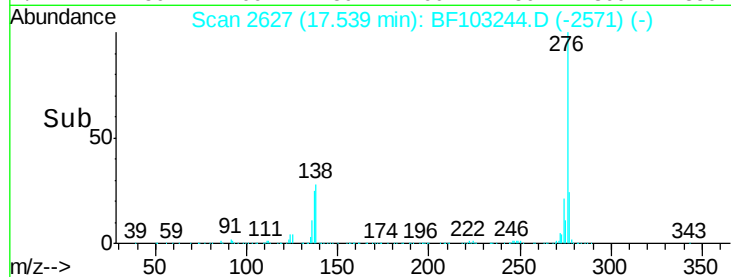
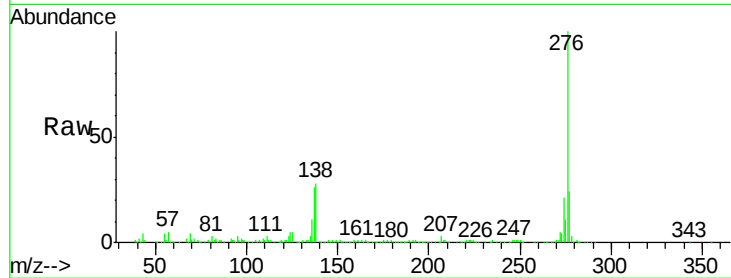
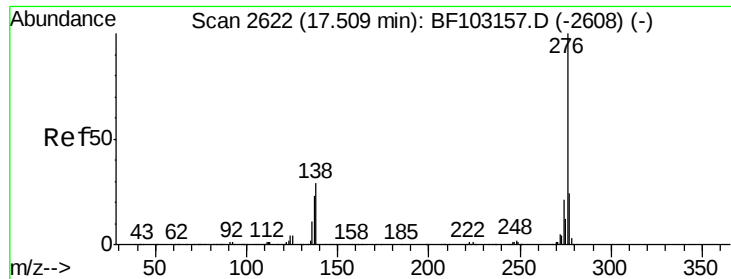
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#90
Dibenzo(a,h)anthracene
Concen: 53.922 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.03 min
Lab File: BF103244.D
Acq: 27 Feb 2018 3:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	15.9	23.9
279	24.4	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 54.484 ng

RT: 17.54 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF103244.D

Acq: 27 Feb 2018 3:14

Tot Ion:	276	Resp:	368613
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.9	26.9
138	28.1	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

OIL-SEP-EXC-NW@2.5MSD

Manual Integrations
APPROVED

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