

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104744.D
 Acq On : 24 Apr 2018 8:43
 Operator : JU/SJ
 Sample : J2497-01MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:49:18 PM

Quant Time: Apr 24 11:25:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	105996	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	372544	20.00	ng	0.01
38) Acenaphthene-d10	9.86	164	168173	20.00	ng	0.01
63) Phenanthrene-d10	11.36	188	234495	20.00	ng	0.02
75) Chrysene-d12	14.04	240	79083	20.00	ng	0.05
86) Perylene-d12	15.54	264	98173	20.00	ng	0.09

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	880023	126.95	ng	0.02
7) Phenol-d6	6.47	99	1051242	123.42	ng	0.02
23) Nitrobenzene-d5	7.39	82	613230	107.48	ng	0.01
41) 2,4,6-Tribromophenol	10.66	330	198181	113.60	ng	0.02
44) 2-Fluorobiphenyl	9.17	172	1021148	95.92	ng	0.00
78) Terphenyl-d14	12.96	244	620933	179.00	ng	0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	105711	32.727	ng	# 88
3) Pyridine	3.27	79	310784	34.221	ng	# 87
4) n-Nitrosodimethylamine	3.23	42	126433	39.827	ng	# 76
6) Aniline	6.48	93	135828	11.478	ng	# 1
8) 2-Chlorophenol	6.61	128	315948	43.182	ng	92
9) Benzaldehyde	6.36	77	175394	41.069	ng	# 26
10) Phenol	6.48	94	389319	43.080	ng	92
11) bis(2-Chloroethyl)ether	6.55	93	307247	42.604	ng	96
12) 1,3-Dichlorobenzene	6.75	146	324517	39.151	ng	98
13) 1,4-Dichlorobenzene	6.83	146	331257	40.091	ng	98
14) 1,2-Dichlorobenzene	6.99	146	213816	27.924	ng	98
15) Benzyl Alcohol	6.96	79	243194	37.593	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	328323	33.900	ng	61
17) 2-Methylphenol	7.08	107	246834	38.810	ng	# 89
18) Hexachloroethane	7.32	117	76933	26.114	ng	95
19) n-Nitroso-di-n-propylamine	7.23	70	201962	36.287	ng	95
20) 3+4-Methylphenols	7.24	107	331170	41.984	ng	91
22) Acetophenone	7.22	105	452232	49.307	ng	# 96
24) Nitrobenzene	7.40	77	300009	47.628	ng	94
25) Isophorone	7.65	82	586341	48.600	ng	99
26) 2-Nitrophenol	7.72	139	88420	34.481	ng	95
27) 2,4-Dimethylphenol	7.77	122	346284	65.036	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	362555	49.150	ng	99
29) 2,4-Dichlorophenol	7.97	162	240003	47.241	ng	98
30) 1,2,4-Trichlorobenzene	8.05	180	265012	47.532	ng	100
31) Naphthalene	8.14	128	5961559	321.366	ng	97
32) Benzoic acid	7.87	122	59130	13.918	ng	88
33) 4-Chloroaniline	8.18	127	85536	10.763	ng	# 93
34) Hexachlorobutadiene	8.23	225	137837	45.134	ng	99
35) Caprolactam	8.55	113	83831m	47.301	ng	
36) 4-Chloro-3-methylphenol	8.67	107	243830	44.760	ng	98
37) 2-Methylnaphthalene	8.82	142	1008183	84.019	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.98	216	222699	46.260	ng	98
42) 2,4,6-Trichlorophenol	9.10	196	142103	42.522	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.15	196	149044	39.855	nq	96
45) 1,1'-Biphenyl	9.28	154	980085	69.373	nq	98
46) 2-Chloronaphthalene	9.30	162	466072	41.766	nq	99
47) 2-Nitroaniline	9.41	65	169117	61.282	nq	98
48) Acenaphthylene	9.73	152	1607292	91.802	nq	99
49) Dimethylphthalate	9.57	163	593717	44.769	nq	100
50) 2,6-Dinitrotoluene	9.65	165	74150	30.217	nq	90
51) Acenaphthene	9.90	154	969325	90.740	nq	98
52) 3-Nitroaniline	9.82	138	103421	36.000	nq	95
53) 2,4-Dinitrophenol	9.92	184	106	5.283	nq	# 1
54) Dibenzofuran	10.07	168	903699	60.704	nq	99
55) 4-Nitrophenol	10.00	139	149887	66.419	nq	93
56) 2,4-Dinitrotoluene	10.06	165	77896	24.200	nq	# 83
57) Fluorene	10.42	166	1348614	124.458	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.19	232	107644	38.583	nq	# 93
59) Diethylphthalate	10.27	149	483170	36.582	nq	98
60) 4-Chlorophenyl-phenylether	10.40	204	196747	40.770	nq	98
61) 4-Nitroaniline	10.43	138	119384	42.501	nq	99
62) Azobenzene	10.56	77	405250	32.115	nq	# 84
64) 4,6-Dinitro-2-methylphenol	10.48	198	1937	8.784	nq	# 1
65) n-Nitrosodiphenylamine	10.52	169	420309	51.695	nq	96
66) 4-Bromophenyl-phenylether	10.89	248	120584	48.344	nq	99
67) Hexachlorobenzene	10.97	284	121292	43.217	nq	# 85
68) Atrazine	11.06	200	106964	43.585	nq	98
69) Pentachlorophenol	11.17	266	98909	56.965	nq	98
70) Phenanthrene	11.40	178	3968037	303.858	nq	99
71) Anthracene	11.44	178	1783838	134.381	nq	99
72) Carbazole	11.60	167	1217978	93.896	nq	98
73) Di-n-butylphthalate	11.92	149	620842	39.181	nq	98
74) Fluoranthene	12.61	202	3144572	230.473	nq	98
77) Pyrene	12.85	202	3107716	530.155	nq	99
79) Butylbenzylphthalate	13.43	149	208645	75.551	nq	95
80) Benzo(a)anthracene	14.03	228	1450600	307.038	nq	# 86
81) 3,3'-Dichlorobenzidine	13.99	252	21355	12.123	nq	# 79
82) Chrysene	14.07	228	1150170	237.012	nq	# 95
83) Bis(2-ethylhexyl)phthalate	13.99	149	265924	74.863	nq	# 99
84) Di-n-octyl phthalate	14.61	149	369779	62.301	nq	# 91
85) Indeno(1,2,3-cd)pyrene	17.07	276	1364234	330.934	nq	# 88
87) Benzo(b)fluoranthene	15.12	252	1618749m	261.070	nq	
88) Benzo(k)fluoranthene	15.14	252	516612m	88.253	nq	
89) Benzo(a)pyrene	15.49	252	1274428	229.716	nq	# 94
90) Dibenzo(a,h)anthracene	17.06	278	455165m	99.895	nq	
91) Benzo(g,h,i)perylene	17.53	276	1415268	320.600	nq	93

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

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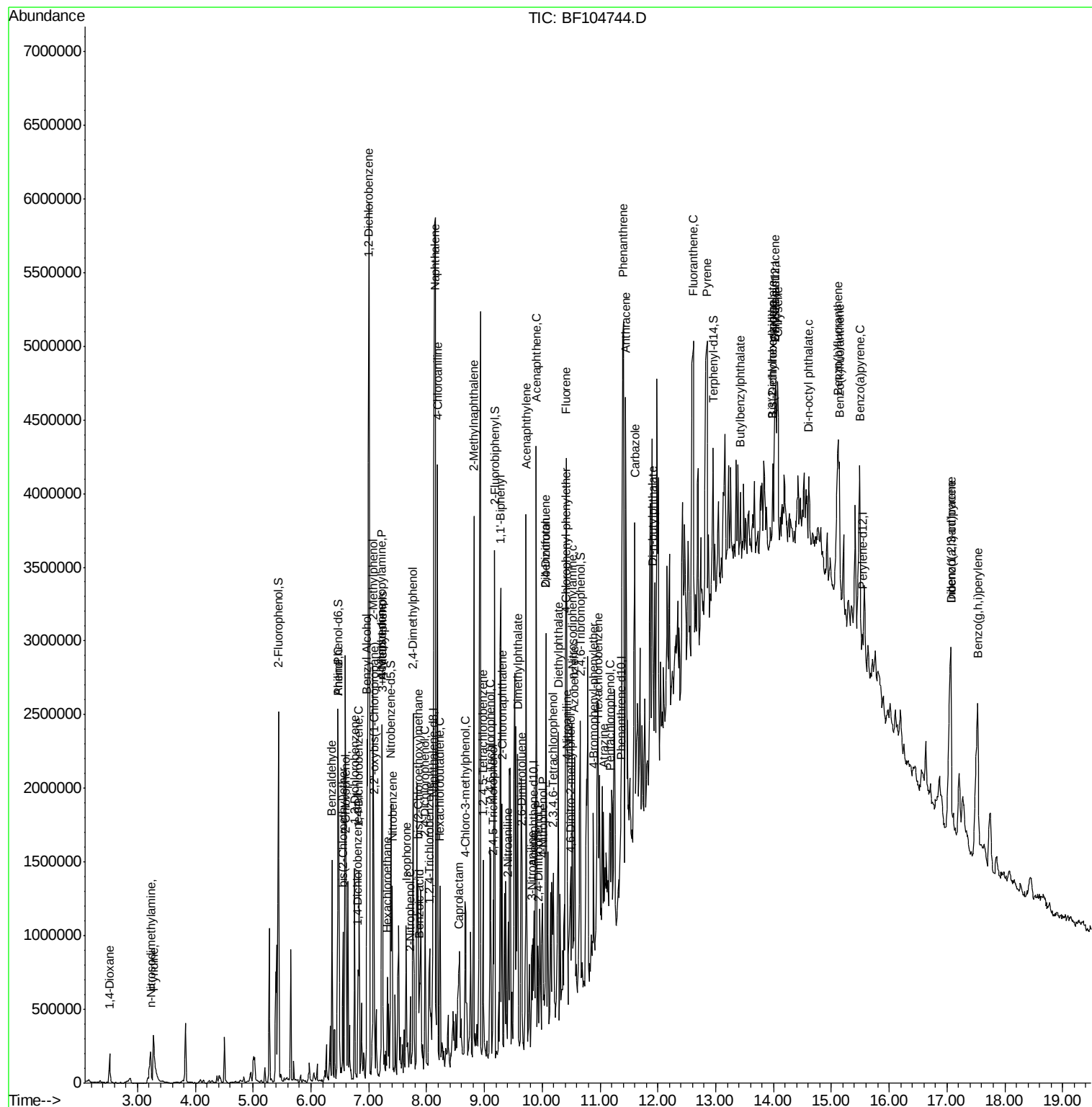
Instrument :
BNA_F
ClientSampleID :
A2-SB01-BOT-4.5MSD

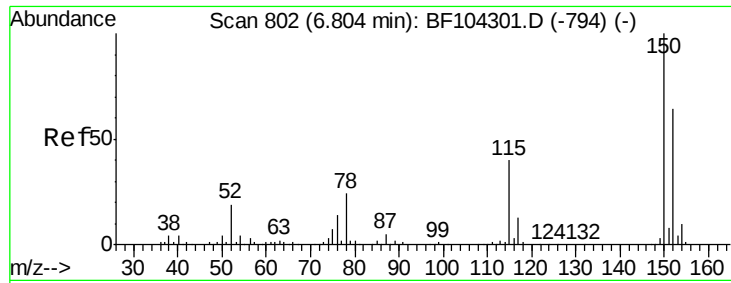
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#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

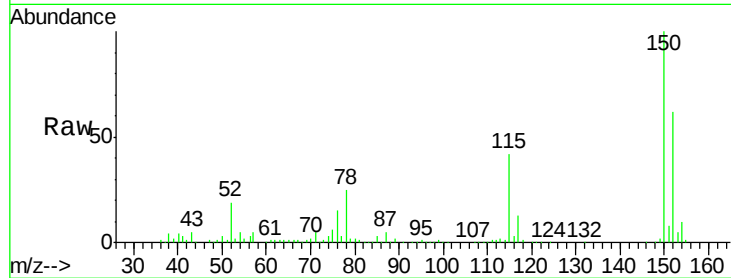
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.6	186.8
115	67.4	50.1	75.1

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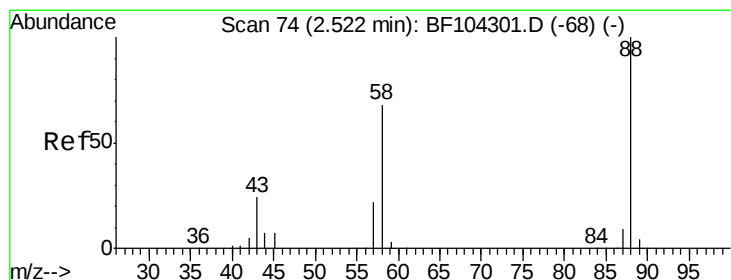
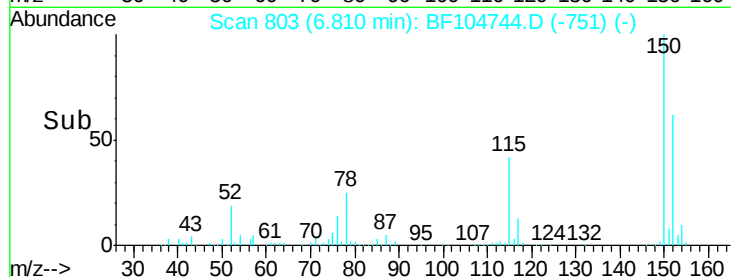
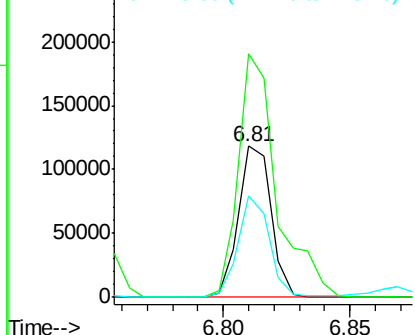


Abundance

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



#2

1,4-Dioxane
Concen: 32.727 ng
RT: 2.52 min Scan# 73
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

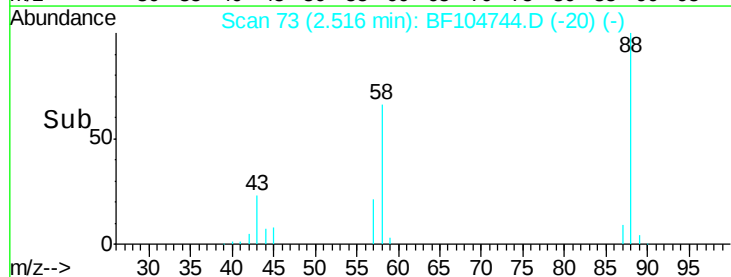
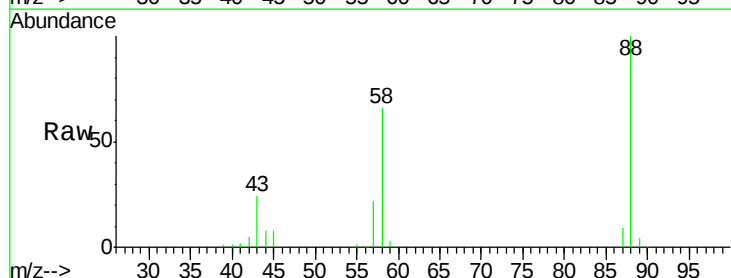
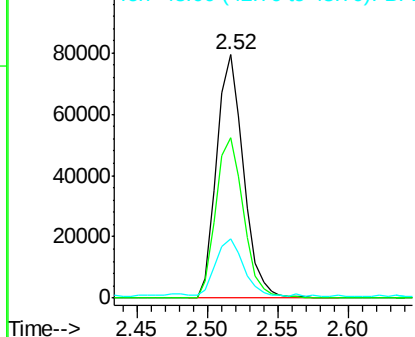
Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.7	62.6	93.8
43	23.9	24.6	37.0

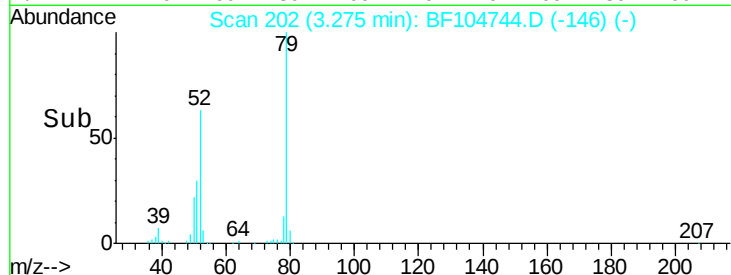
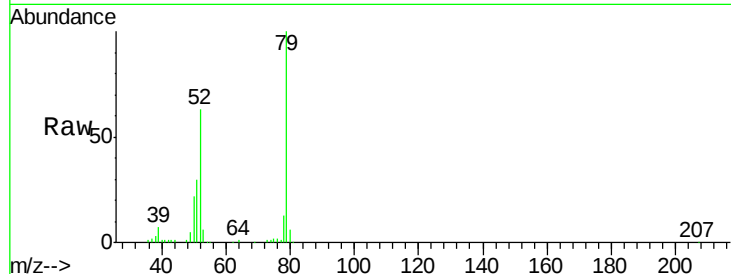
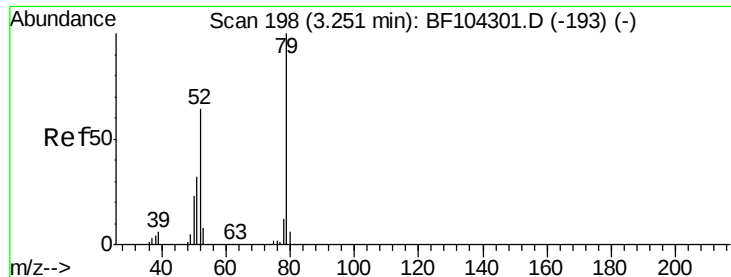
Abundance

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: 34.221 ng
RT: 3.27 min Scan# 202
Delta R.T. 0.03 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

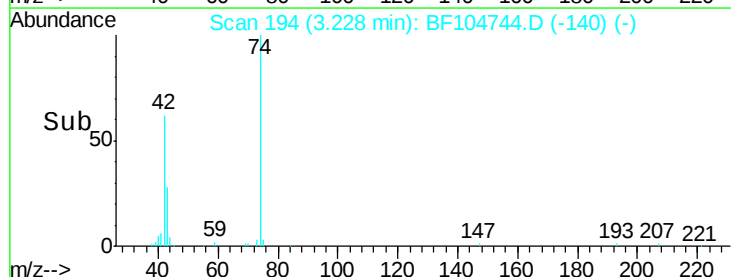
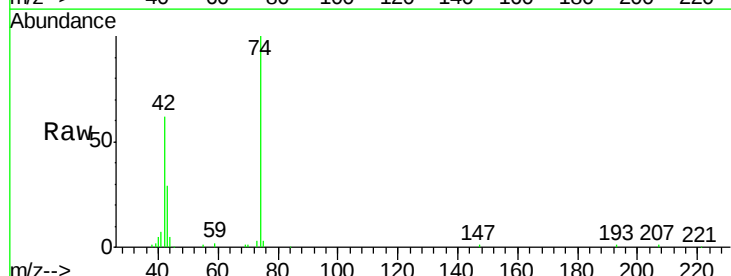
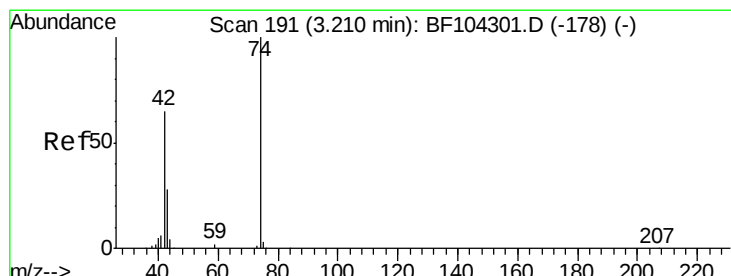
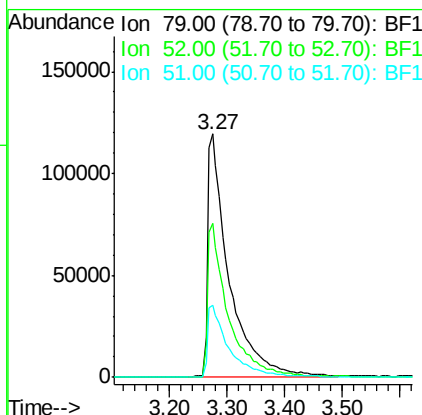
Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	310784		
52	52	63.0		59.8	89.6
51	51	29.8		29.8	44.8#

Instrument :
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A2-SB01-BOT-4.5MSD

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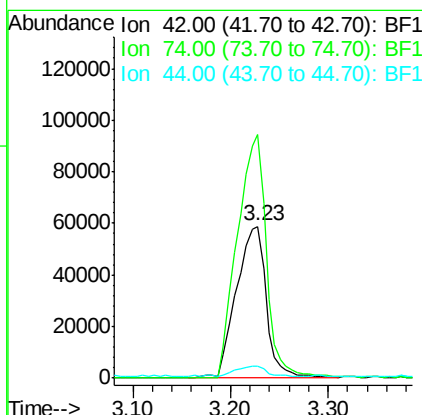
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#4
n-Nitrosodimethylamine
Concen: 39.827 ng
RT: 3.23 min Scan# 194
Delta R.T. 0.02 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	126433		
74	74	160.8		104.9	157.3#
44	44	8.2		6.9	10.3





#5

2-Fluorophenol

Concen: 126.949 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

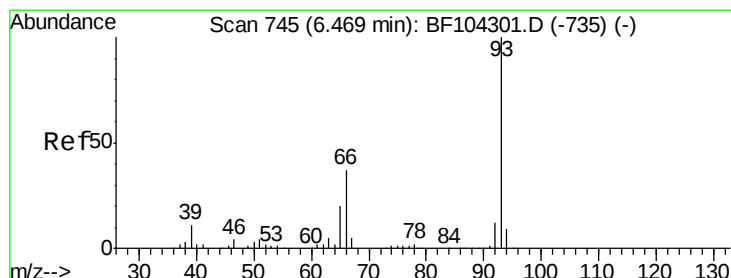
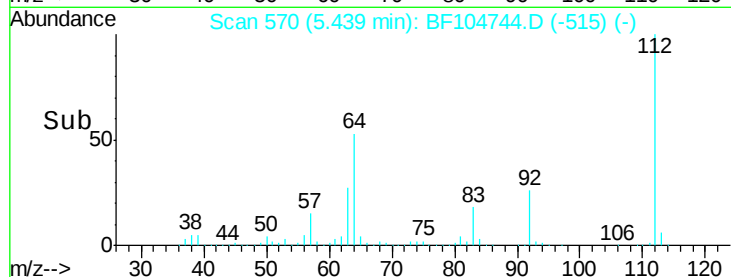
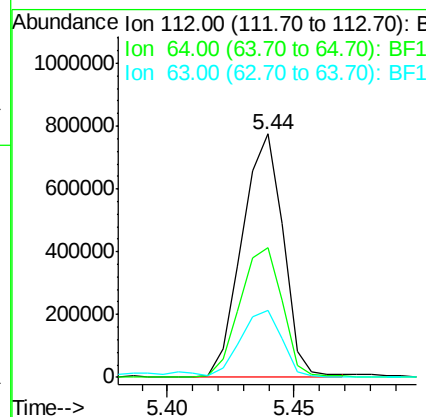
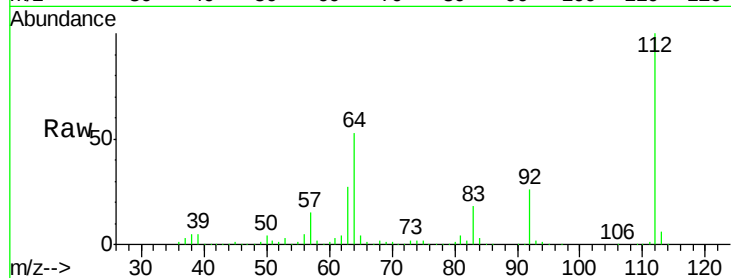
A2-SB01-BOT-4.5MSD

Tot Ion:	112	Resp:	880023
Ion Ratio		Lower	Upper
112	100		
64	53.3	47.9	71.9
63	27.4	23.7	35.5

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#6

Aniline

Concen: 11.478 ng

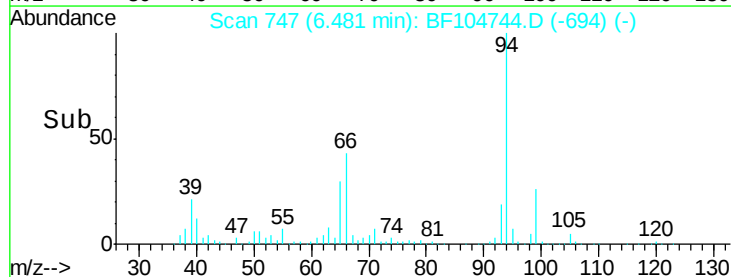
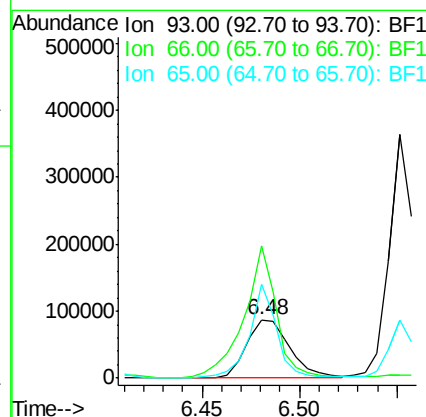
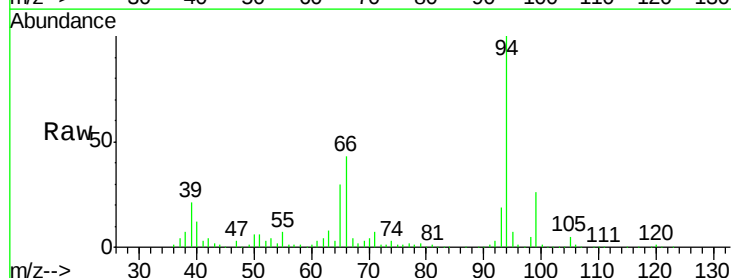
RT: 6.48 min Scan# 747

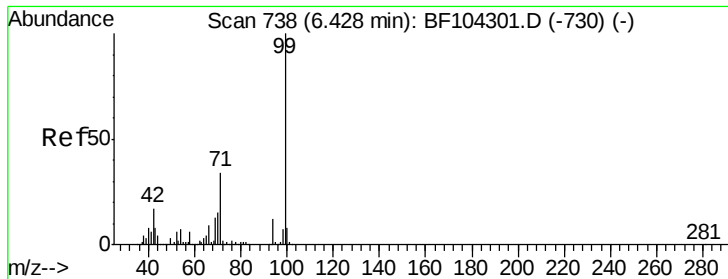
Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tgt Ion:	93	Resp:	135828
Ion Ratio		Lower	Upper
93	100		
66	226.9	32.2	48.2#
65	160.4	16.4	24.6#





#7

Phenol-d6

Concen: 123.424 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.02 min

Lab File: BF104744.D

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A2-SB01-BOT-4.5MSD

Tot Ion: 99 Resp: 1051242

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

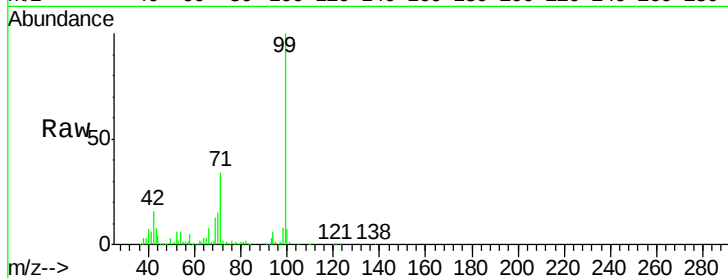
71 34.1 25.4 38.0

Manual Integrations

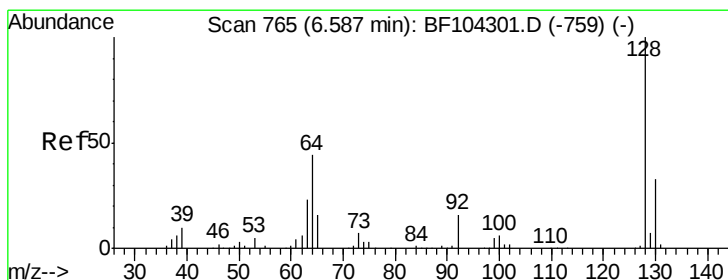
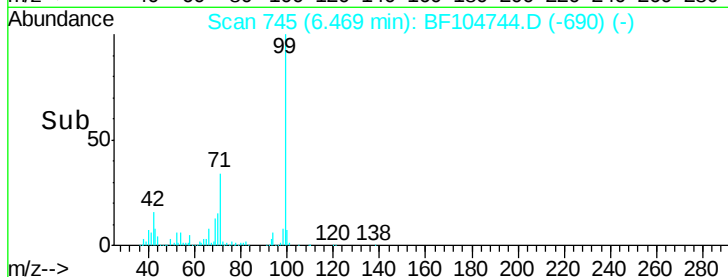
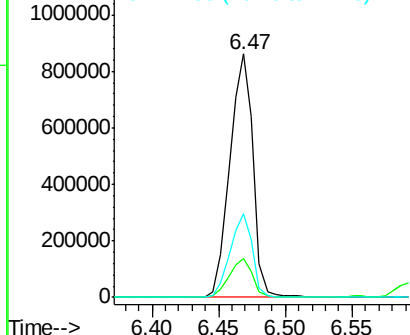
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 43.182 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

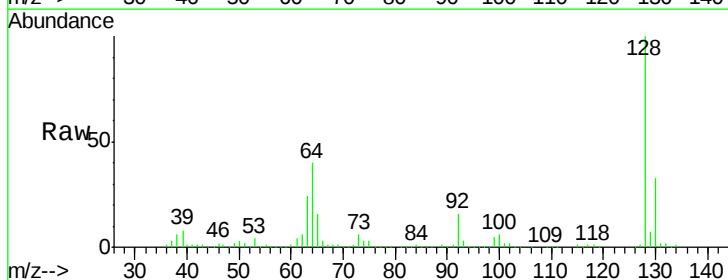
Tgt Ion: 128 Resp: 315948

Ion Ratio Lower Upper

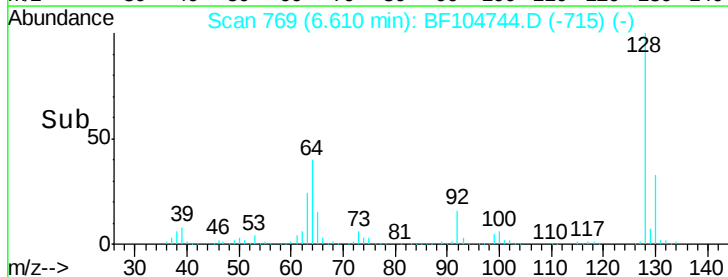
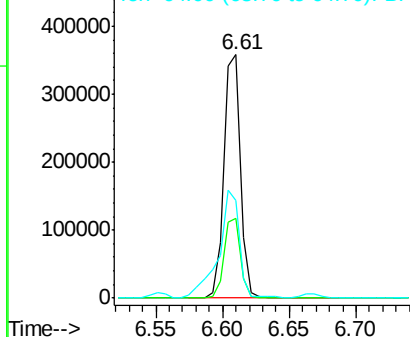
128 100

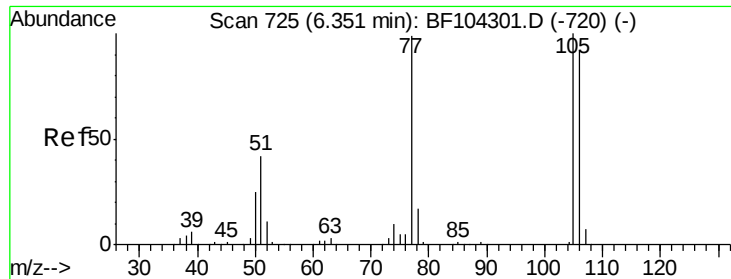
130 32.9 13.0 53.0

64 39.9 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: 41.069 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

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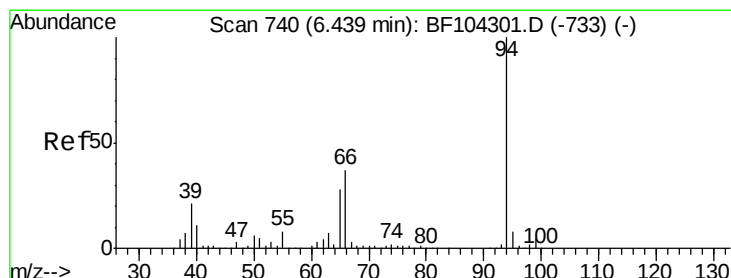
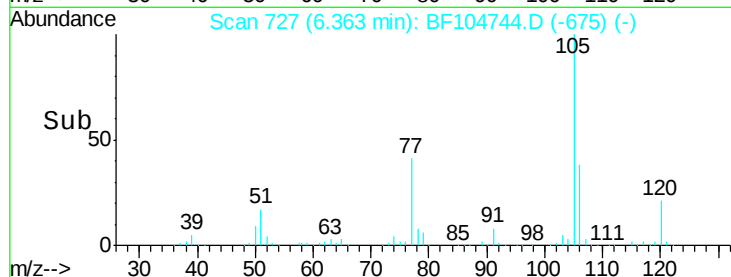
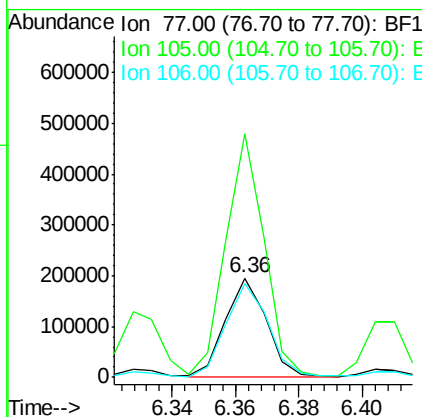
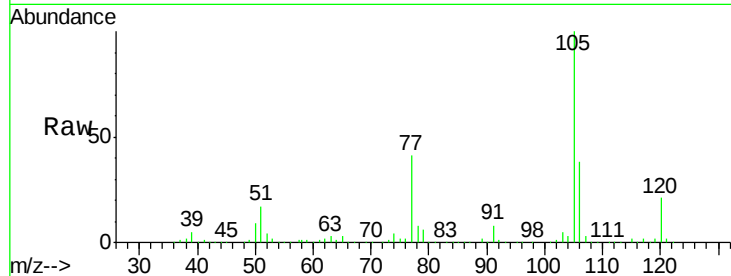
A2-SB01-BOT-4.5MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	244.6	81.1	121.1#	
106	94.2	74.5	114.5	

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#10

Phenol

Concen: 43.080 ng

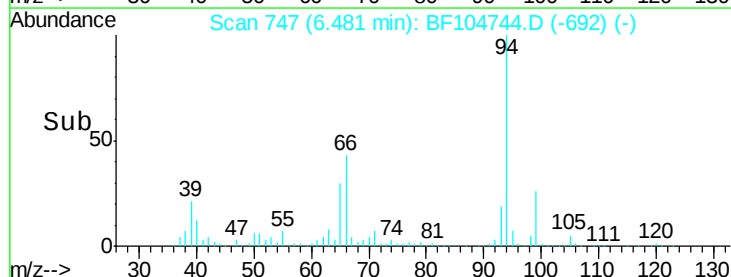
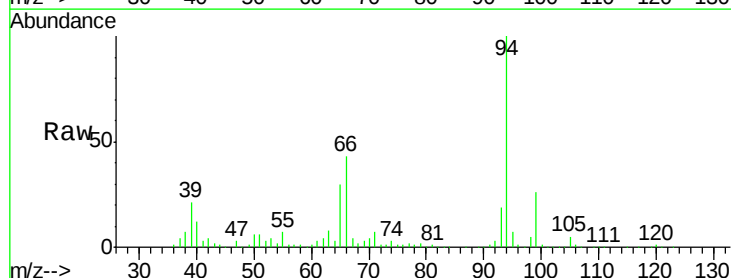
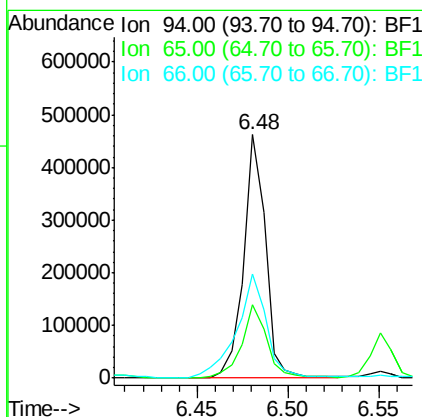
RT: 6.48 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	30.3	7.9	47.9	
66	42.8	16.2	56.2	





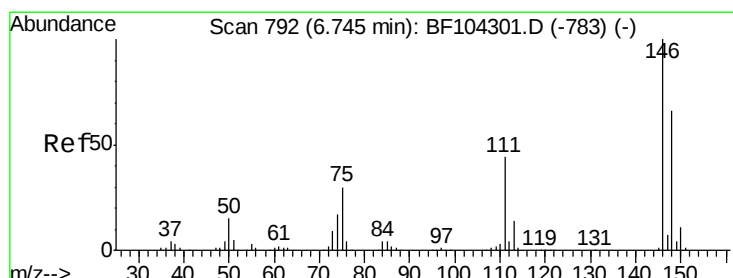
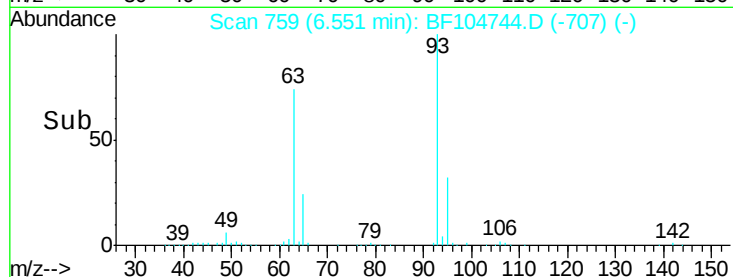
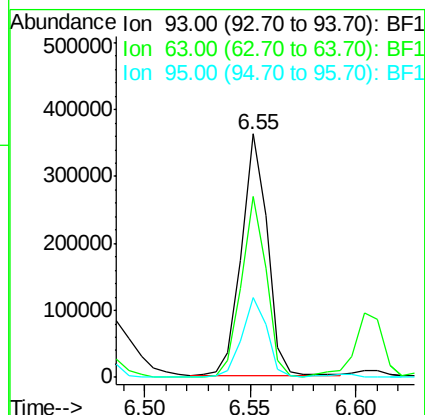
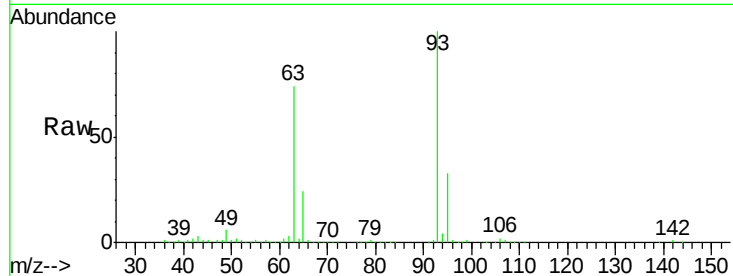
#11
bis(2-Chloroethyl)ether
Concen: 42.604 ng
RT: 6.55 min Scan# 759
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion:	93	Resp:	307247
Ion Ratio	Lower	Upper	
93	100		
63	74.1	58.6	98.6
95	32.6	11.8	51.8

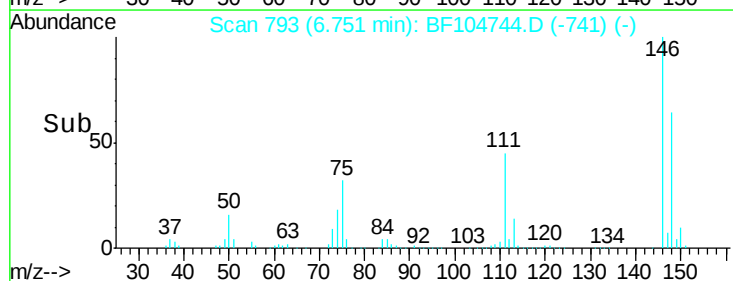
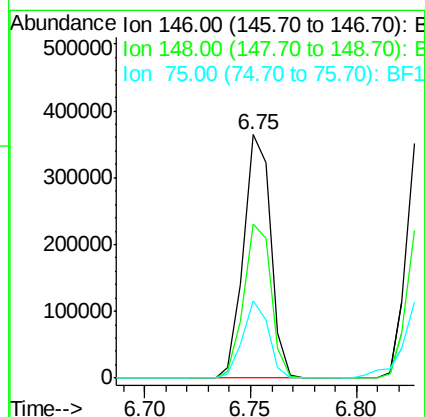
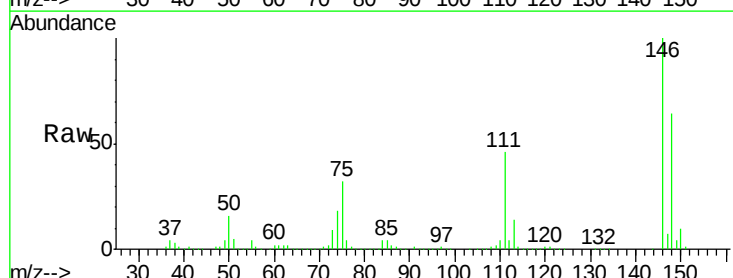
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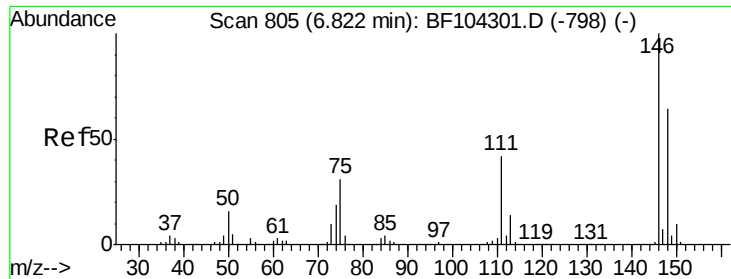
Sohil
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#12
1,3-Dichlorobenzene
Concen: 39.151 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion:	146	Resp:	324517
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.8	77.8
75	31.8	24.2	36.4





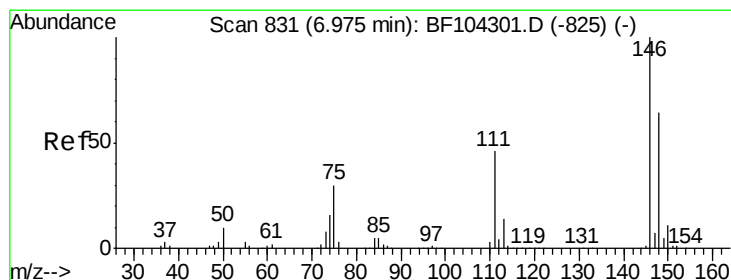
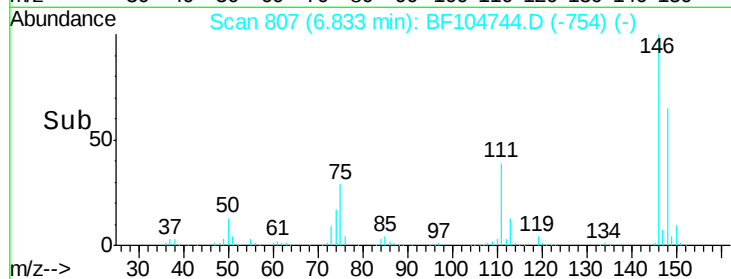
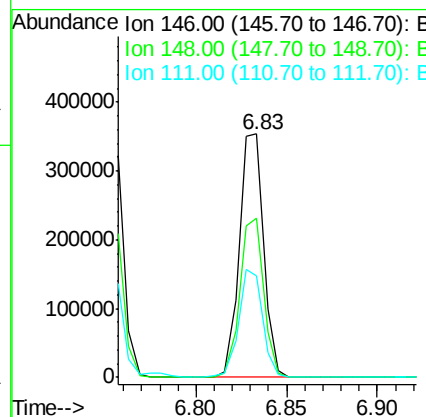
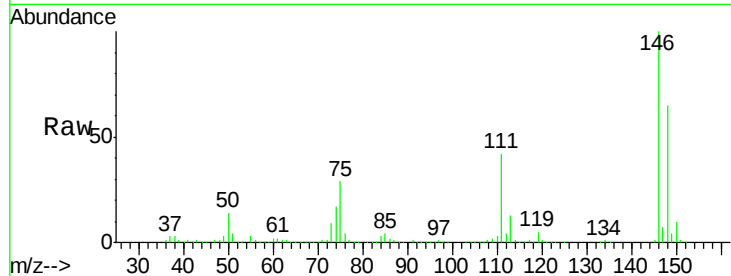
#13
 1,4-Dichlorobenzene
 Concen: 40.091 ng
 RT: 6.83 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.8	76.2
111	41.9	34.2	51.2

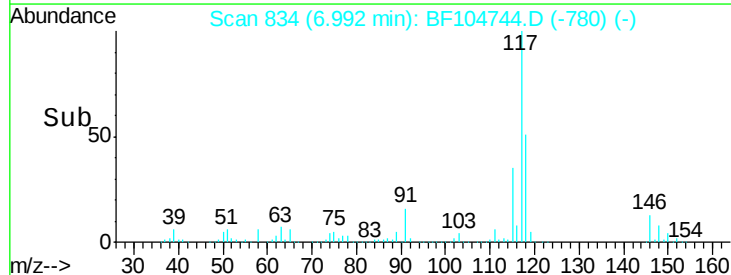
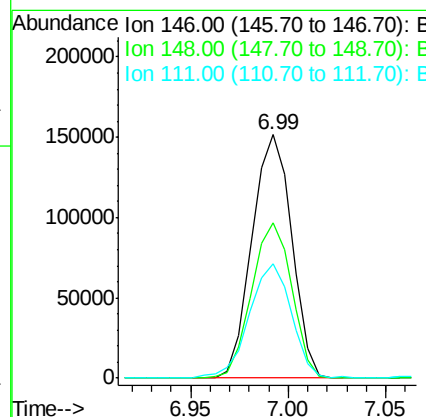
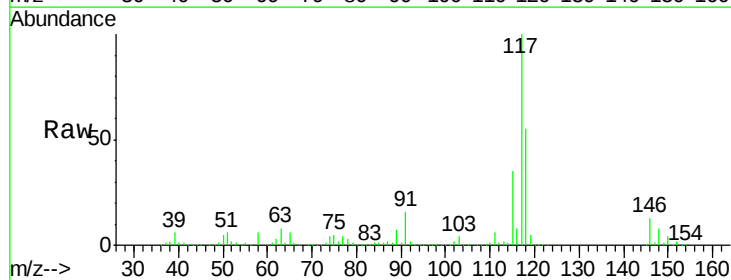
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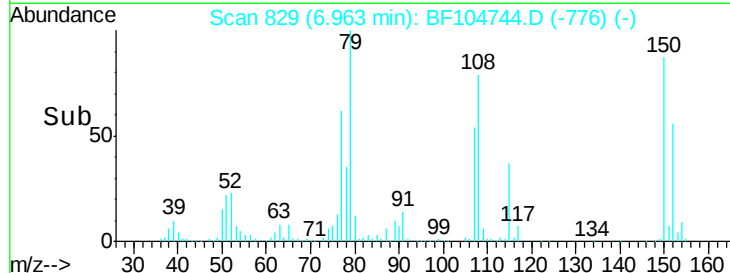
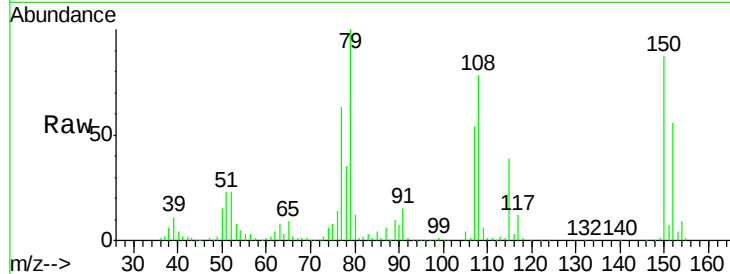
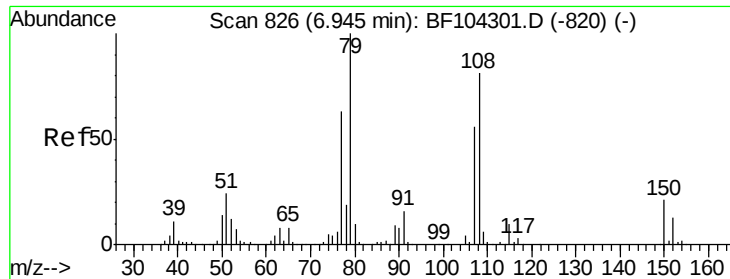
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#14
 1,2-Dichlorobenzene
 Concen: 27.924 ng
 RT: 6.99 min Scan# 834
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
111	46.8	36.0	54.0





#15
Benzyl Alcohol
Concen: 37.593 ng
RT: 6.96 min Scan# 829
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

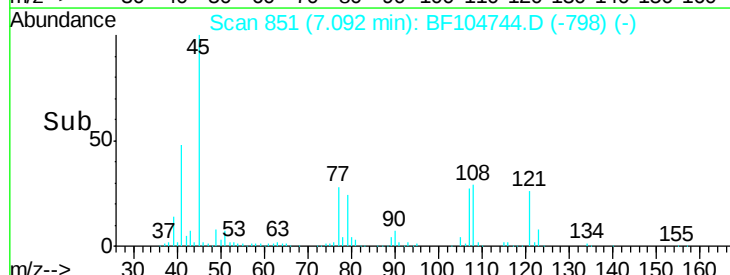
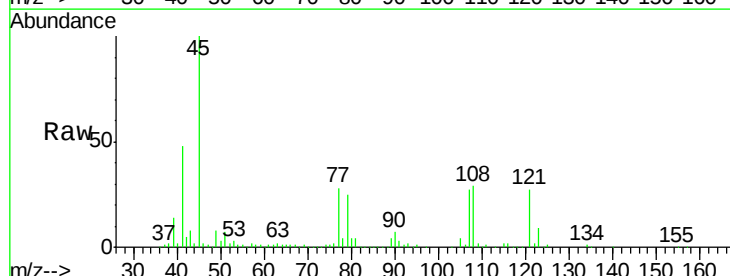
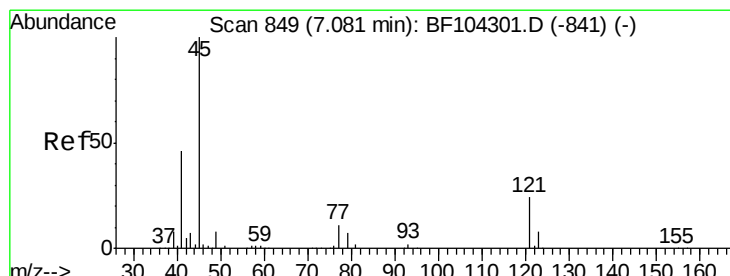
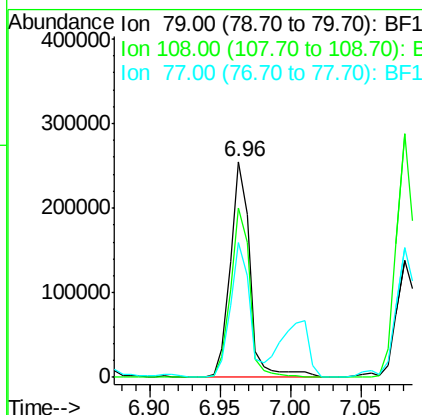
Tot Ion:	79	Resp:	243194
Ion Ratio	Lower	Upper	
79	100		
108	78.3	65.1	97.7
77	62.7	50.6	75.8

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

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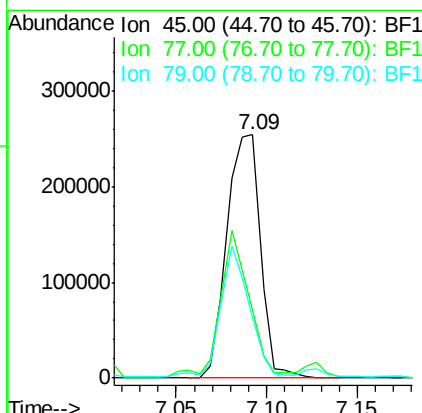
Sohil

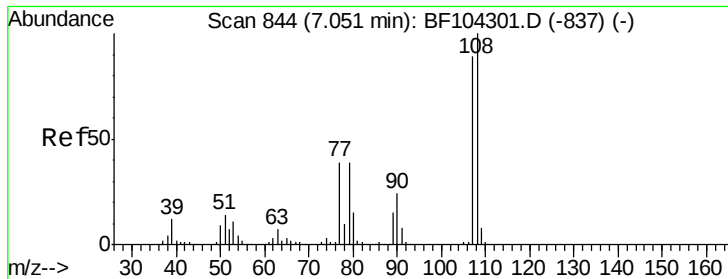
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.900 ng
RT: 7.09 min Scan# 851
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion:	45	Resp:	328323
Ion Ratio	Lower	Upper	
45	100		
77	27.8	0.0	32.9
79	24.7	0.0	29.6





#17

2-Methylphenol

Concen: 38.810 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion:107 Resp: 246834
Ion Ratio Lower Upper

107 100

108 111.9 91.7 137.5

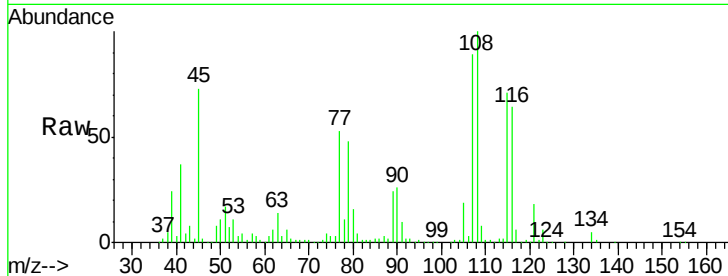
77 59.8 33.8 50.8#

79 54.0 33.8 50.8#

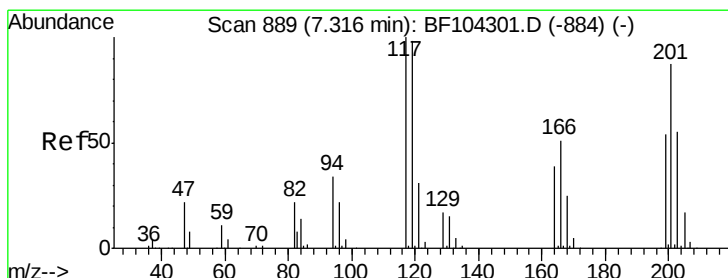
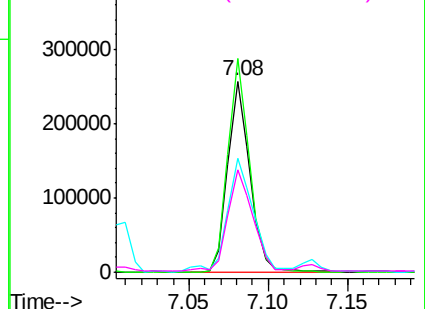
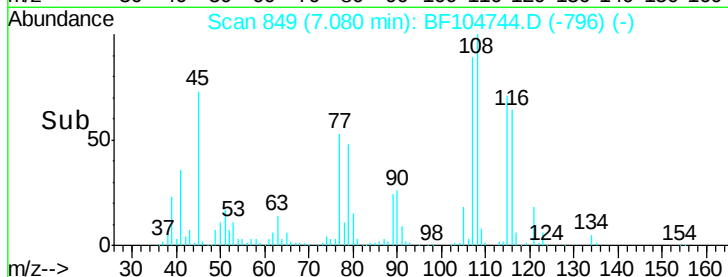
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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 26.114 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.01 min

Lab File: BF104744.D

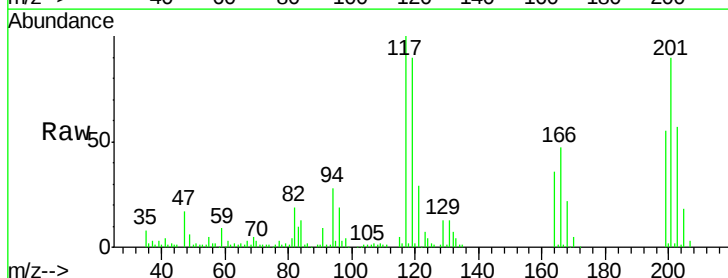
Acq: 24 Apr 2018 8:43

Tgt Ion:117 Resp: 76933
Ion Ratio Lower Upper

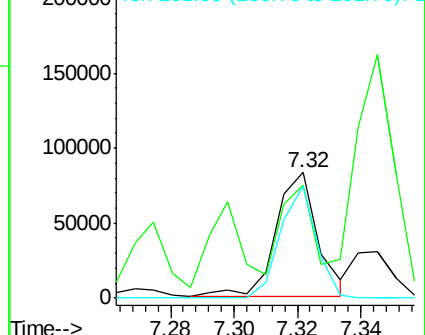
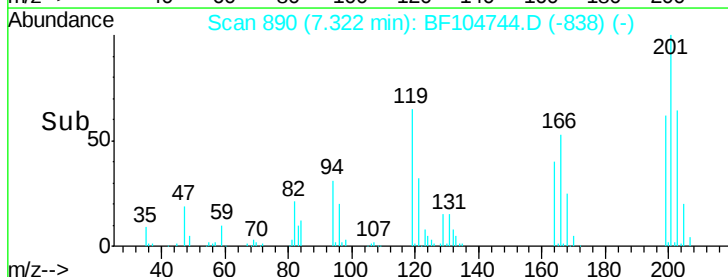
117 100

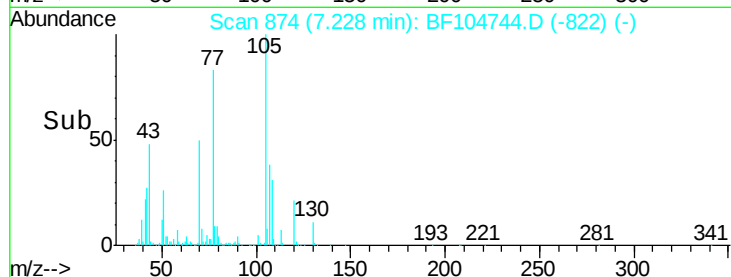
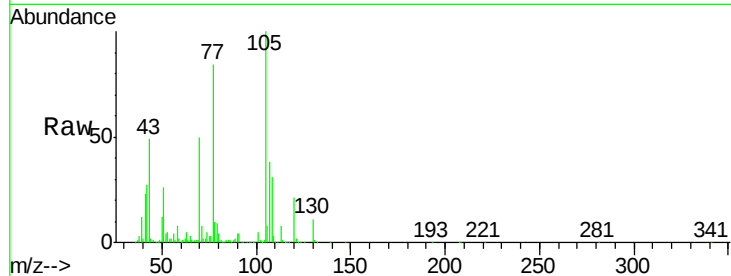
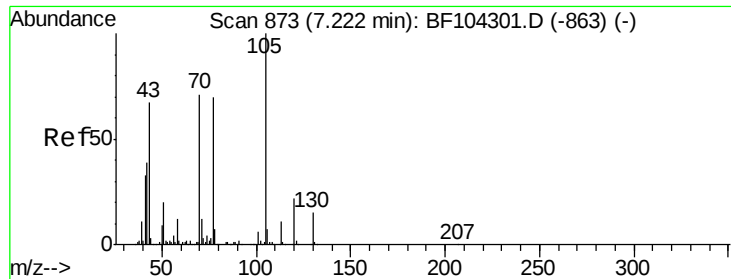
119 89.8 75.8 113.8

201 89.6 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





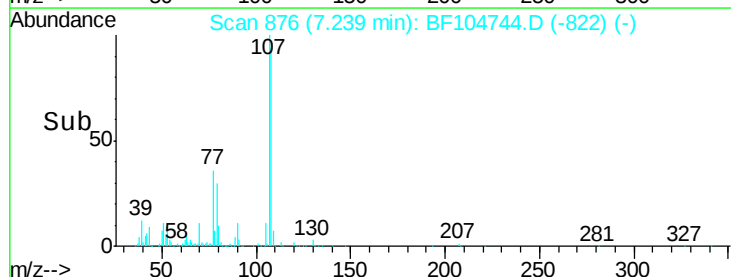
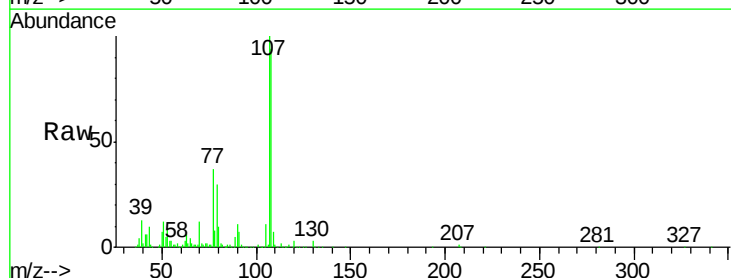
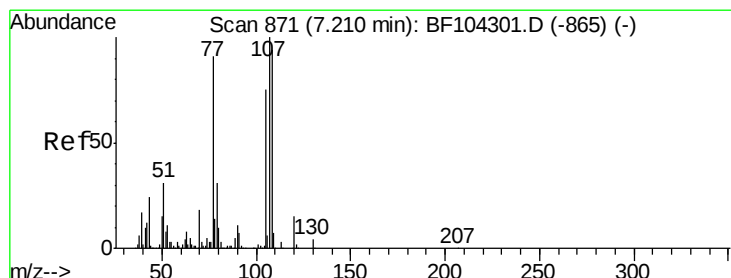
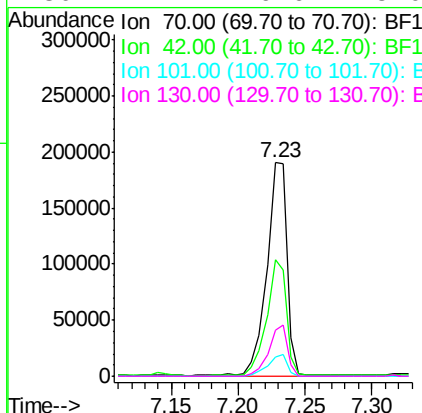
#19
n-Nitroso-di-n-propylamine
Concen: 36.287 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.5	47.5	71.3
101	9.2	7.4	11.2
130	21.4	16.6	25.0

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

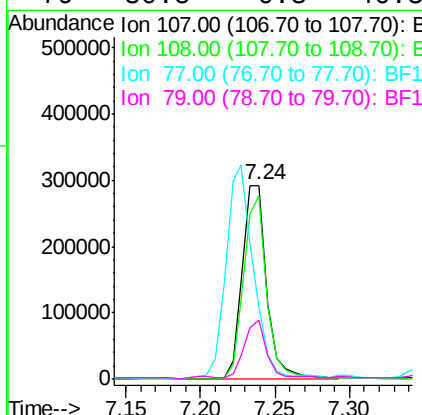
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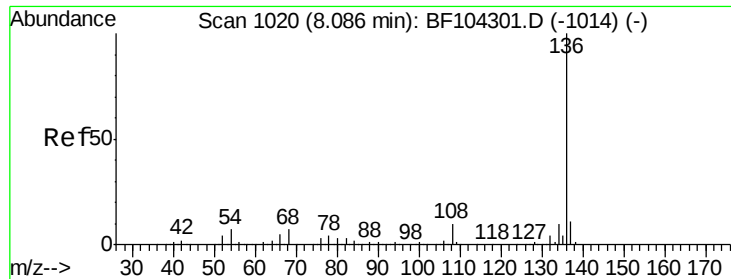
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#20
3+4-Methylphenols
Concen: 41.984 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.02 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	94.3	68.2	108.2
77	37.3	26.7	66.7
79	30.5	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

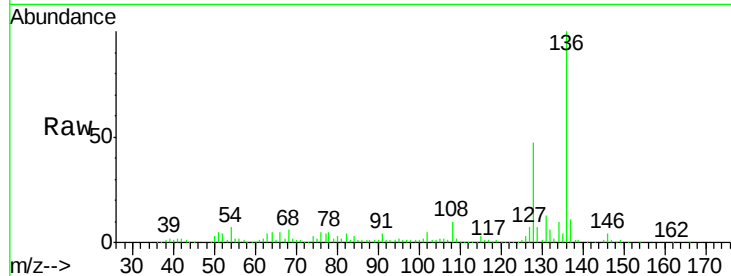
A2-SB01-BOT-4.5MSD

Tot Ion	136	Resp	372544
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	6.4	5.0	7.4

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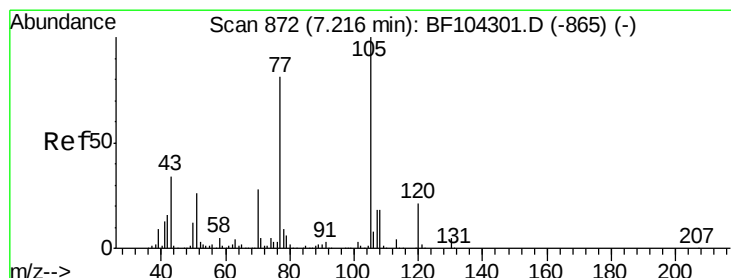
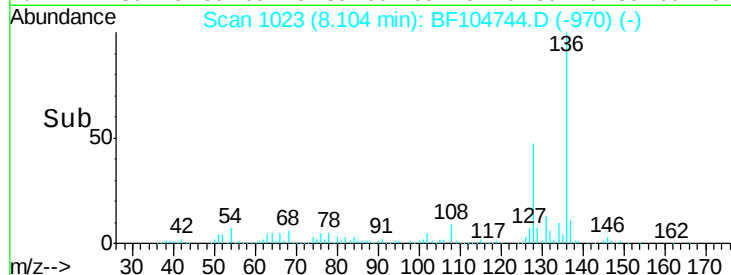
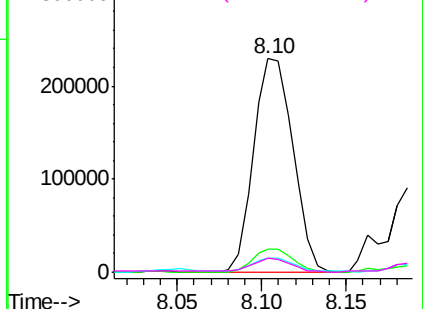


Abundance Ion 136.00 (135.70 to 136.70): E

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: 49.307 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

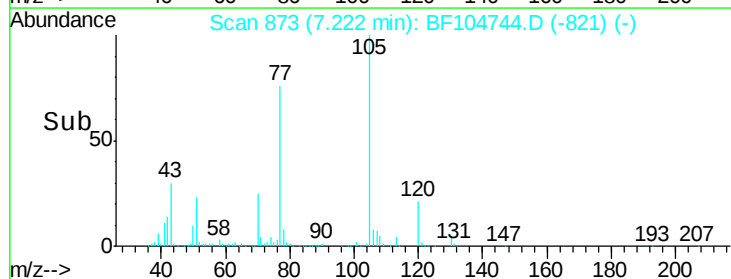
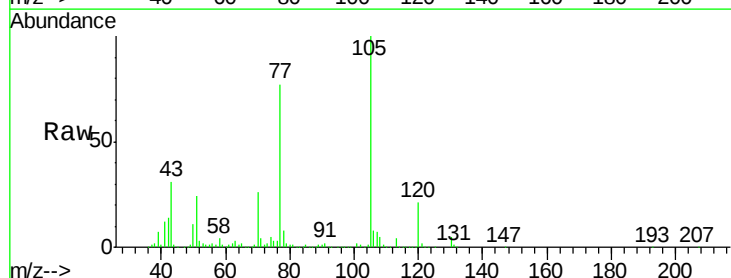
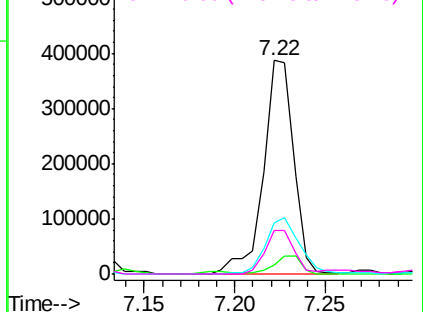
Tgt Ion	105	Resp	452232
Ion Ratio	Lower	Upper	
105	100		
71	4.3	4.4	6.6#
51	24.3	22.3	33.5
120	20.6	16.9	25.3

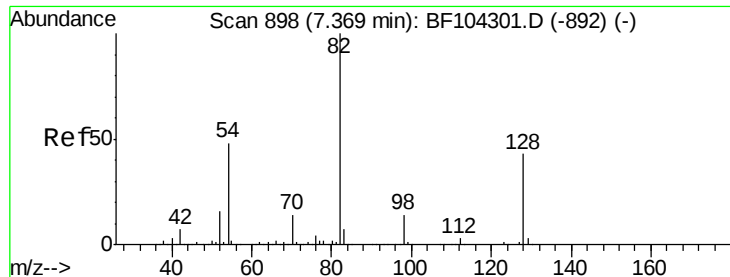
Abundance Ion 105.00 (104.70 to 105.70): E

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





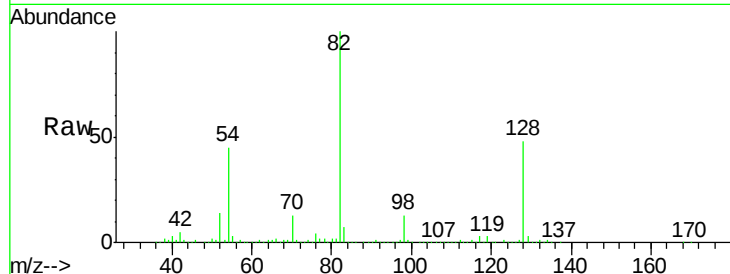
#23
 Nitrobenzene-d5
 Concen: 107.485 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

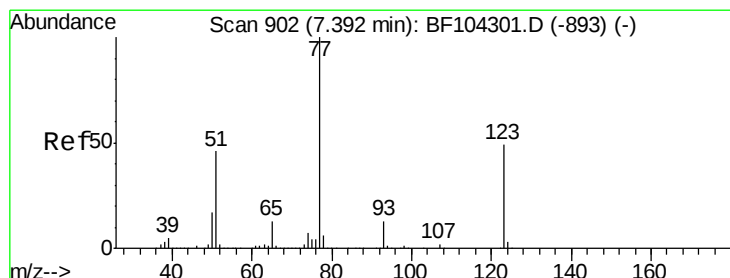
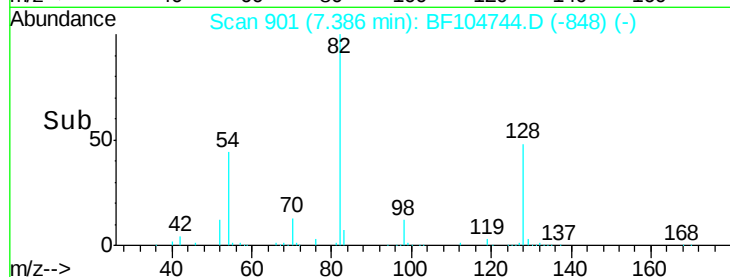
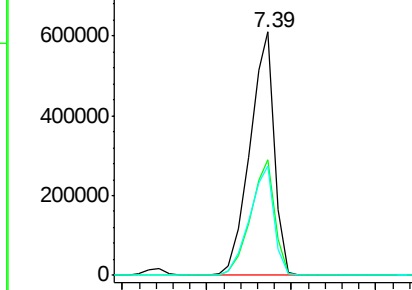
Tot Ion	82	Resp	613230
Ion Ratio	100	Lower	Upper
128	47.6	36.1	54.1
54	44.7	41.4	62.2

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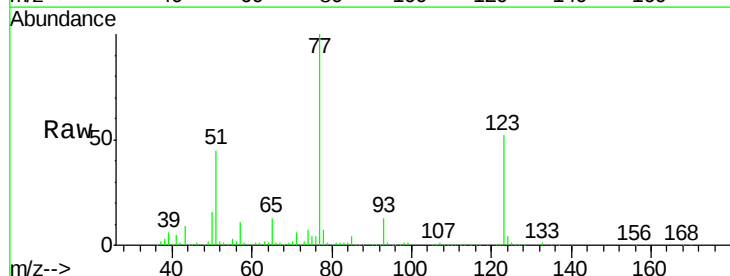


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

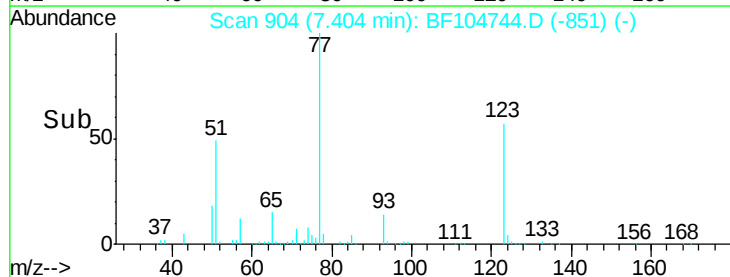
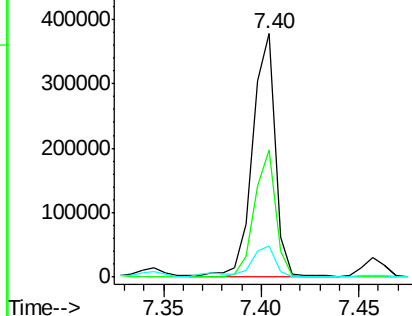


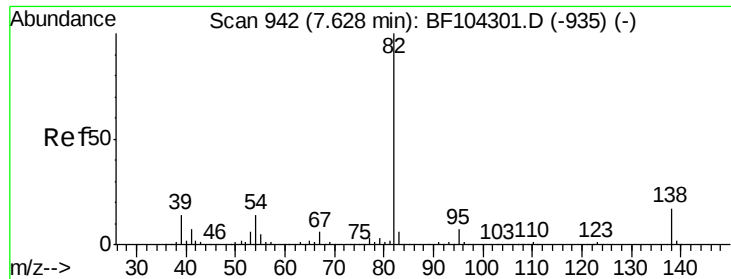
#24
 Nitrobenzene
 Concen: 47.628 ng
 RT: 7.40 min Scan# 904
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion	77	Resp	300009
Ion Ratio	100	Lower	Upper
123	52.4	37.9	56.9
65	13.0	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: 48.600 ng

RT: 7.65 min Scan# 945

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

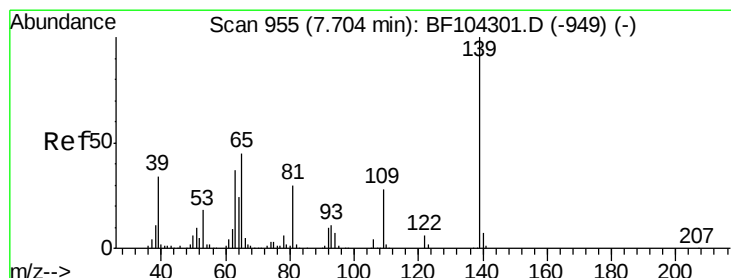
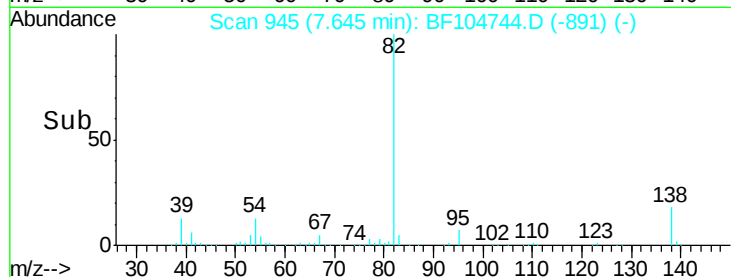
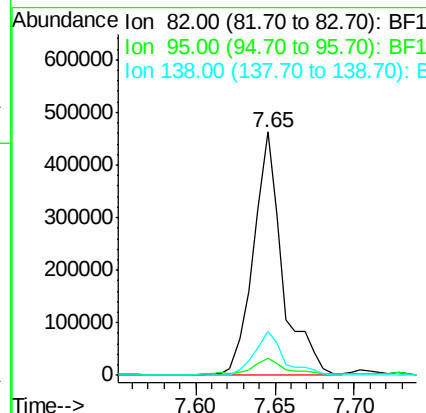
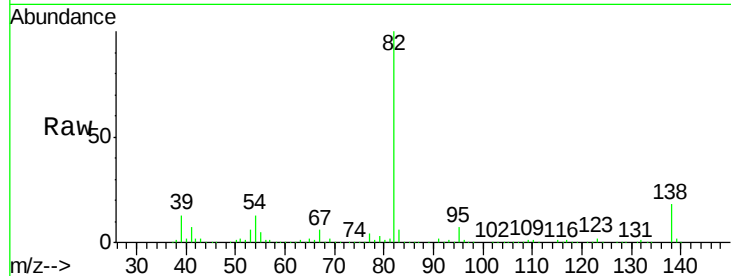
Tot Ion:	82	Resp:	586341
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.2	7.8
138	18.2	14.9	22.3

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

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4/24/2018 3:49:18 PM



#26

2-Nitrophenol

Concen: 34.481 ng

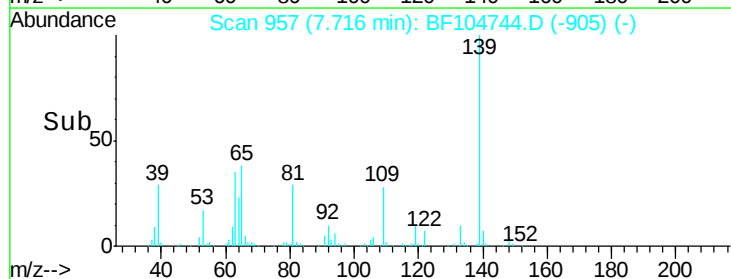
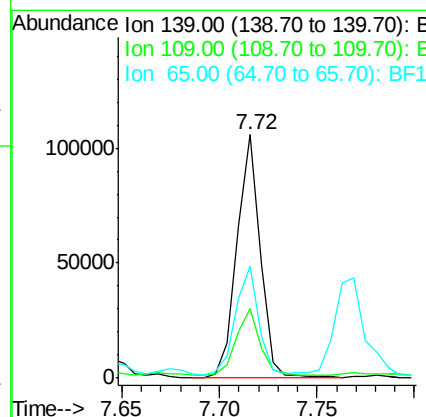
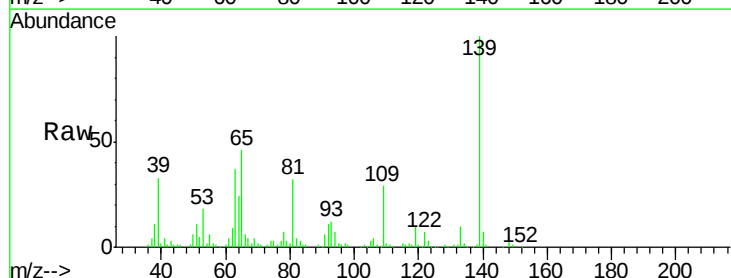
RT: 7.72 min Scan# 957

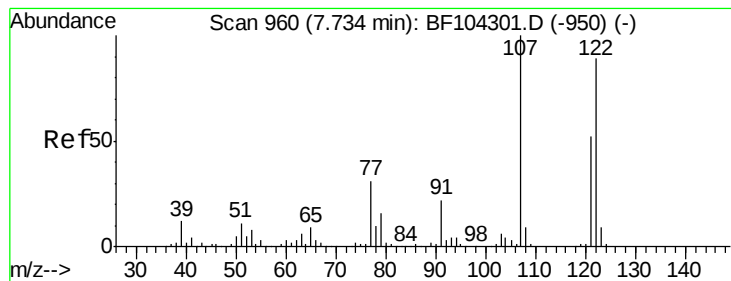
Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tgt Ion:	139	Resp:	88420
Ion Ratio	Lower	Upper	
139	100		
109	28.8	22.7	34.1
65	45.7	40.5	60.7





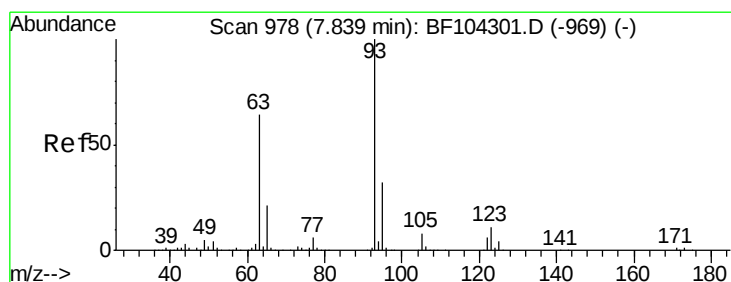
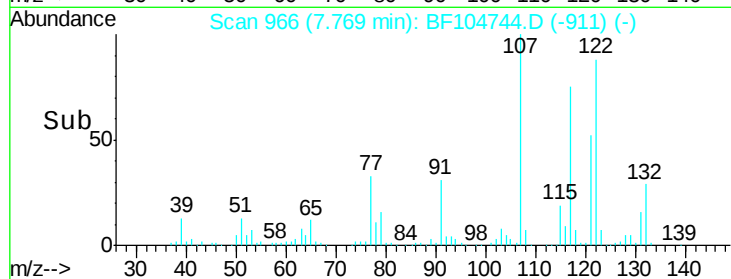
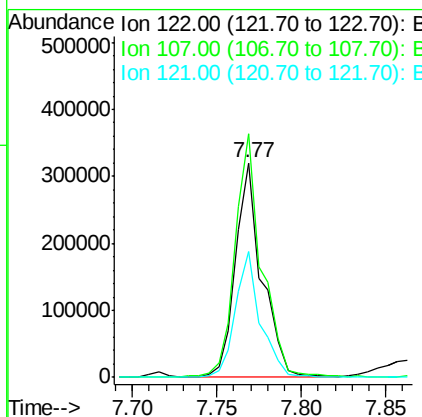
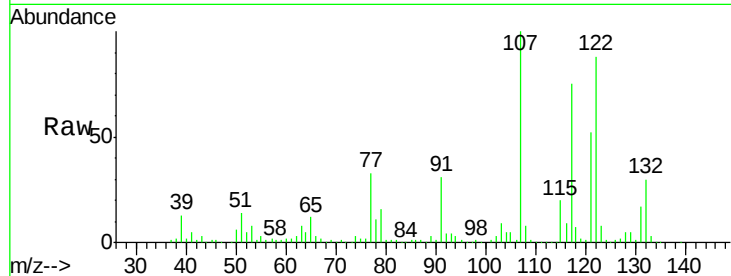
#27
 2,4-Dimethylphenol
 Concen: 65.036 ng
 RT: 7.77 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		346284		
107	113.5	91.2		136.8	
121	58.5	47.2		70.8	

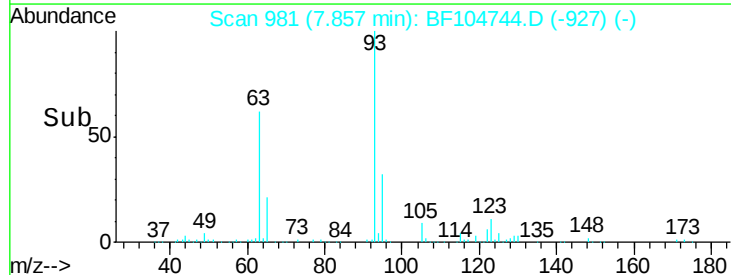
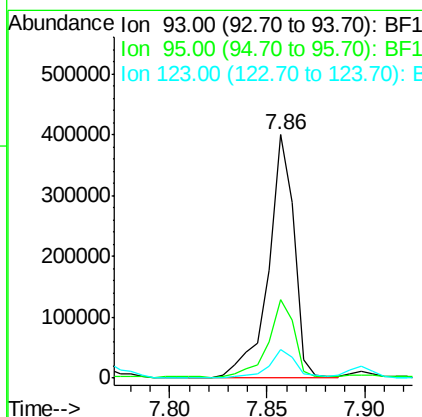
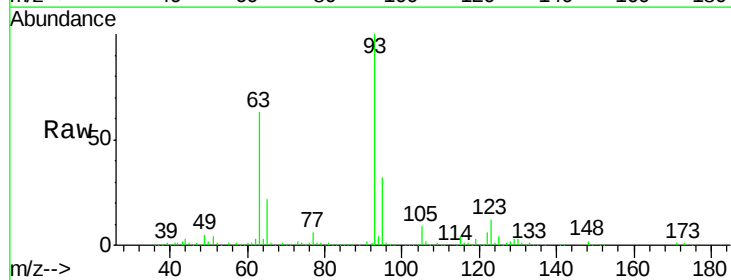
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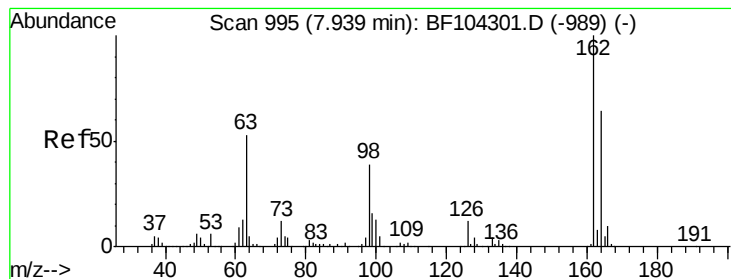
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#28
 bis(2-Chloroethoxy)methane
 Concen: 49.150 ng
 RT: 7.86 min Scan# 981
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		362555		
95	32.4	26.3		39.5	
123	11.6	9.8		14.6	





#29

2,4-Dichlorophenol

Concen: 47.241 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

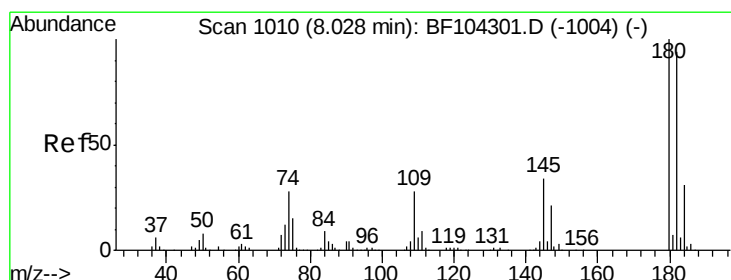
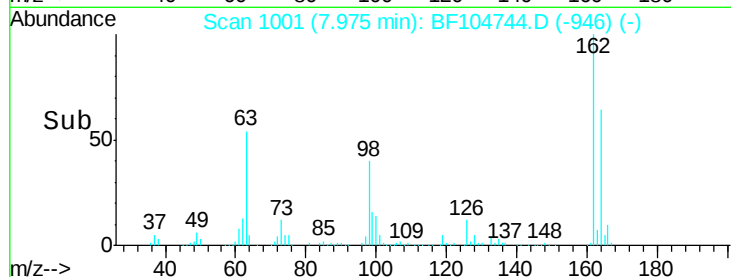
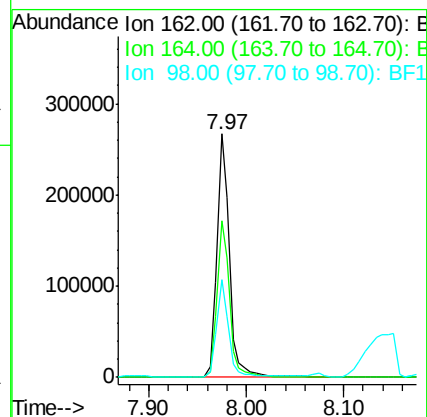
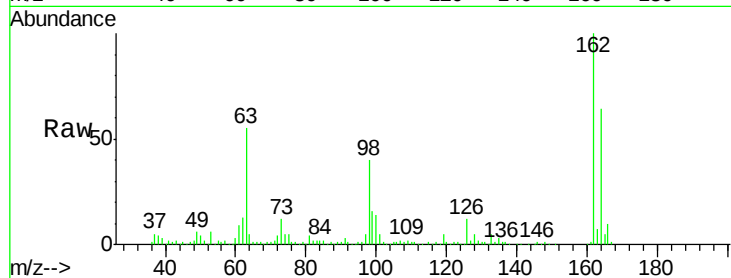
A2-SB01-BOT-4.5MSD

Tot Ion:	162	Resp:	240003
Ion Ratio	Lower	Upper	
162	100		
164	64.1	42.7	82.7
98	39.9	18.1	58.1

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#30

1,2,4-Trichlorobenzene

Concen: 47.532 ng

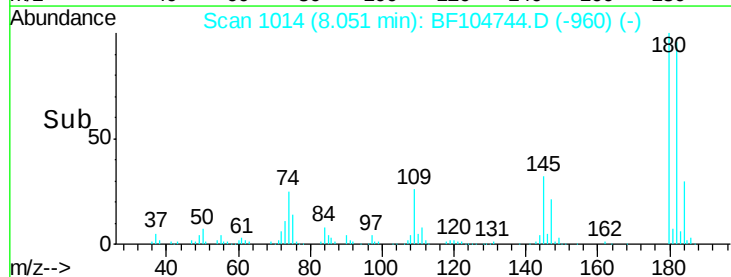
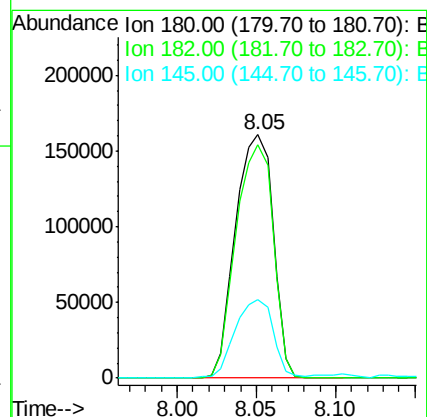
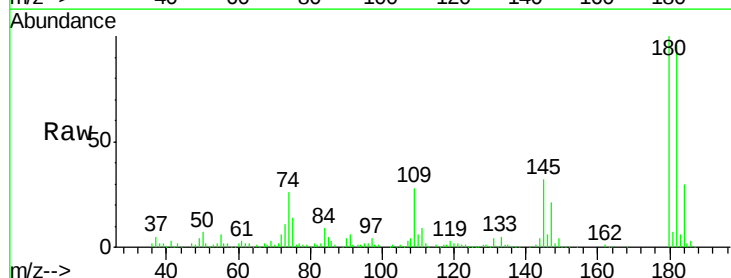
RT: 8.05 min Scan# 1014

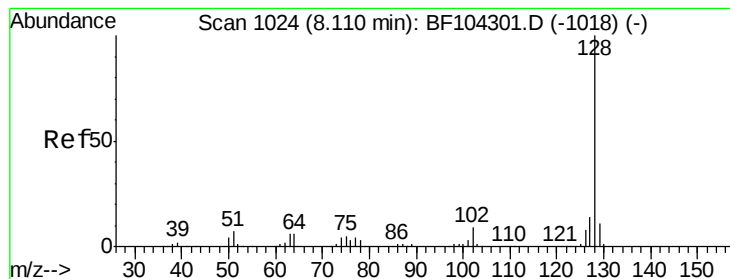
Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tgt Ion:	180	Resp:	265012
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.8	115.2
145	32.3	26.5	39.7





#31

Naphthalene

Concen: 321.366 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion:128 Resp: 5961559

Ion Ratio Lower Upper

128 100

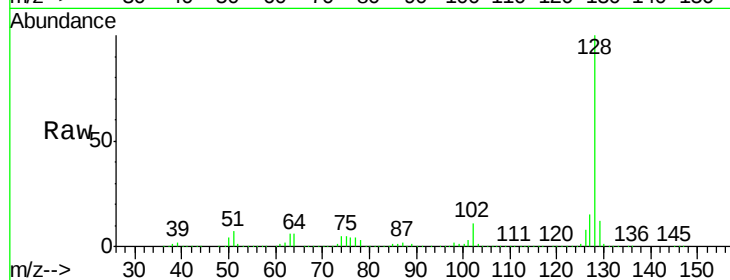
129 12.1 8.8 13.2

127 14.7 10.9 16.3

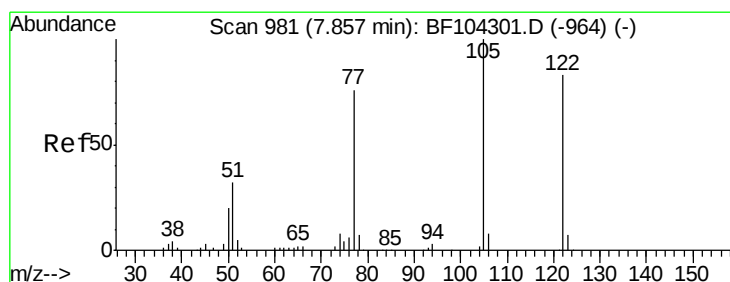
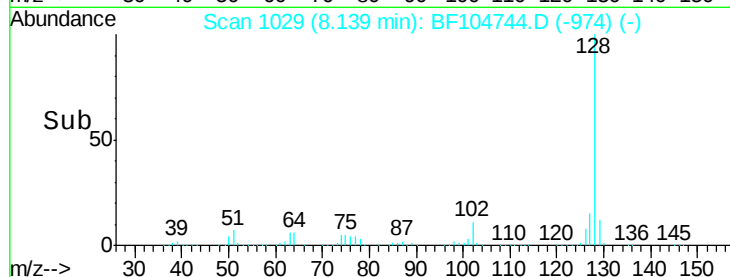
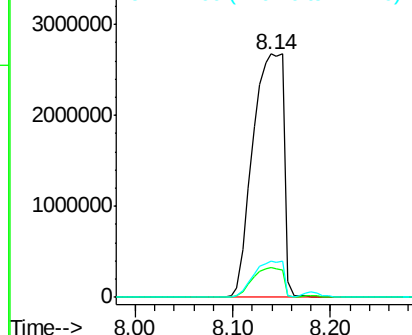
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 13.918 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.00 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

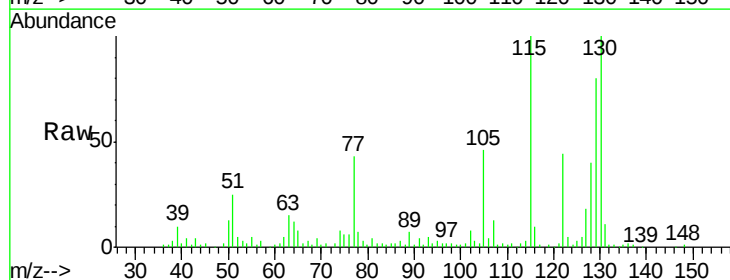
Tgt Ion:122 Resp: 59130

Ion Ratio Lower Upper

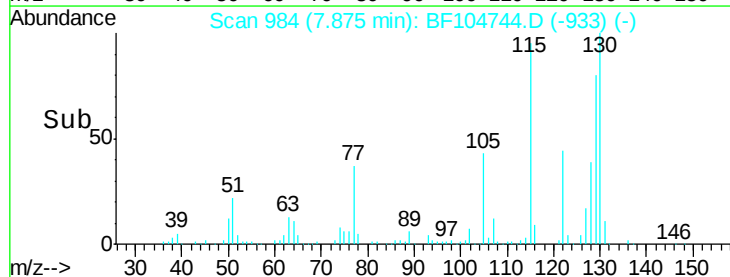
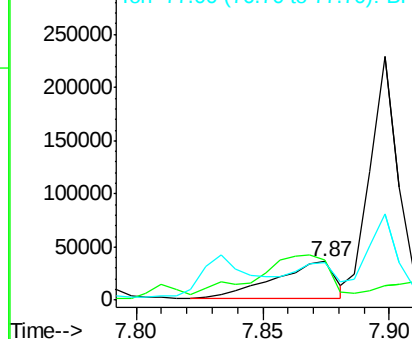
122 100

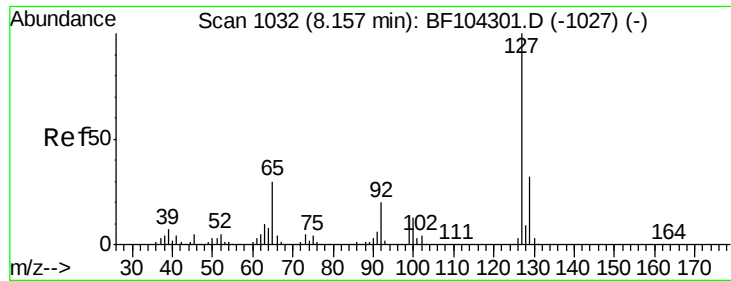
105 104.7 101.1 141.1

77 99.0 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





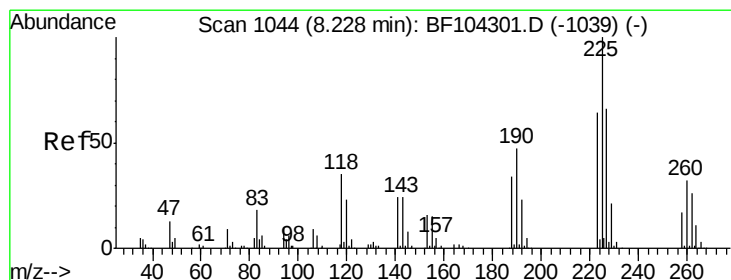
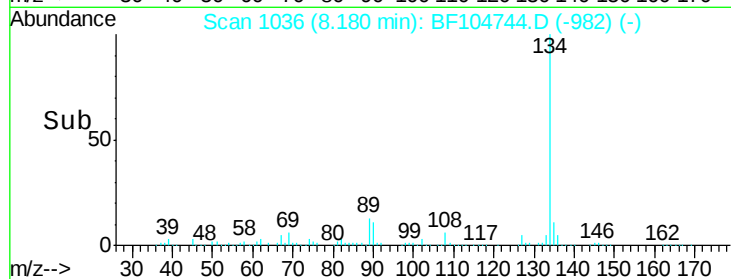
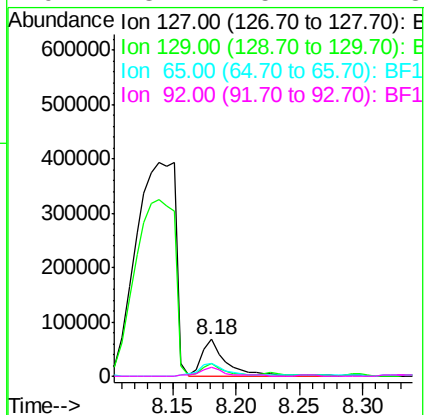
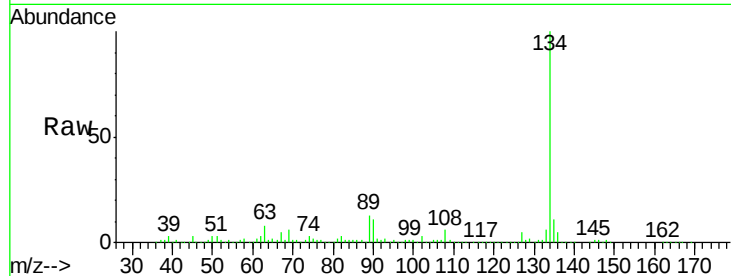
#33
4-Chloroaniline
Concen: 10.763 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.6	25.9	38.9		
65	36.4	25.0	37.4		
92	23.2	15.2	22.8		

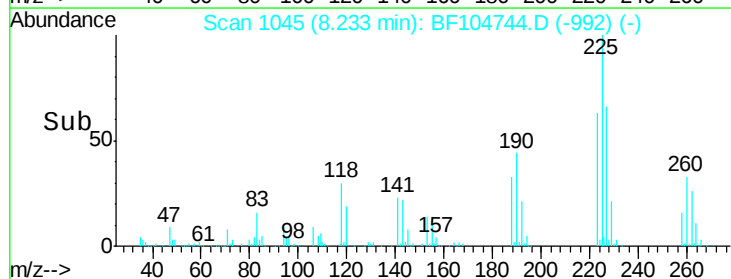
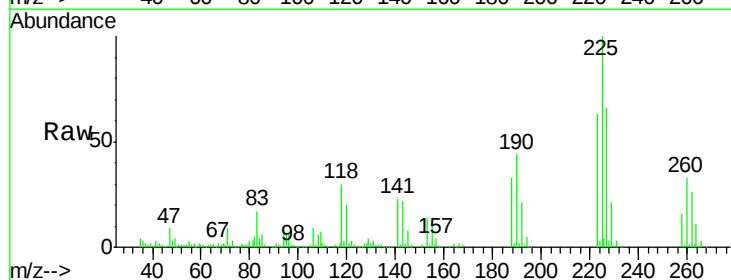
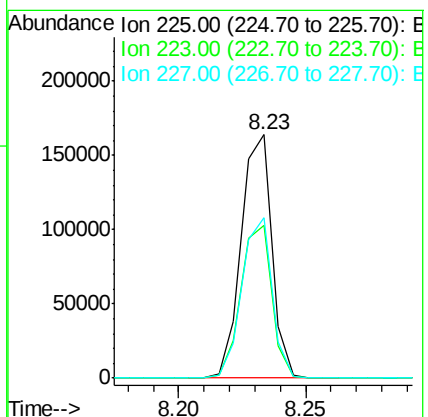
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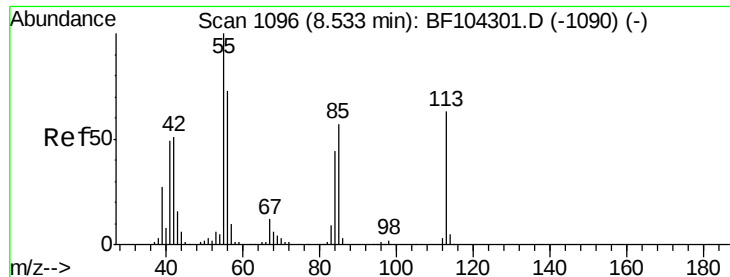
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#34
Hexachlorobutadiene
Concen: 45.134 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.6	50.6	76.0		
227	65.8	51.9	77.9		





#35
 Caprolactam
 Concen: 47.301 ng/ml
 RT: 8.55 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

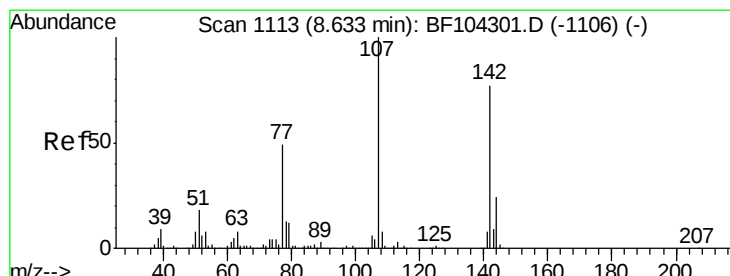
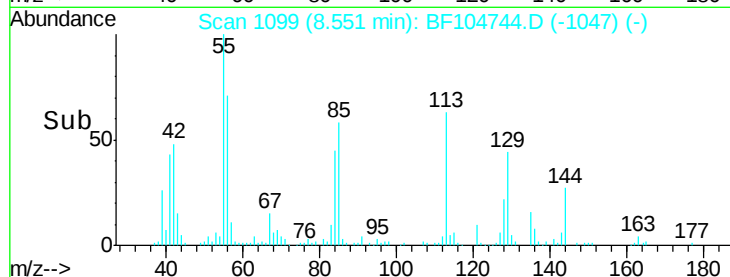
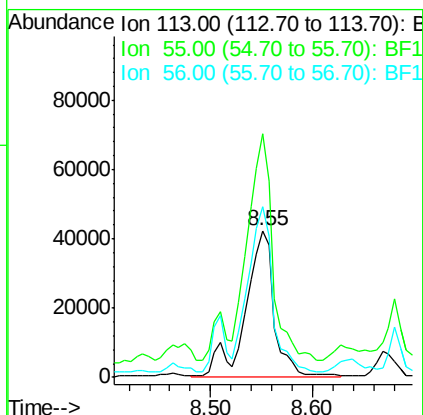
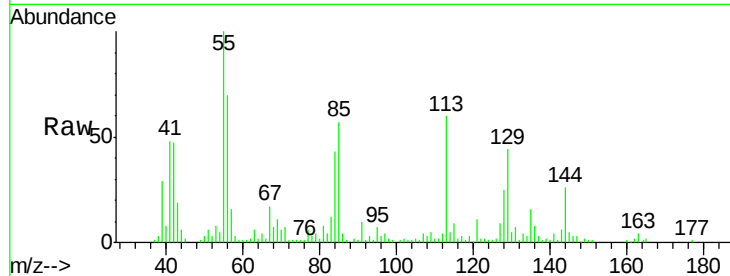
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	165.7		163.3	203.3	
56	116.3		115.7	155.7	

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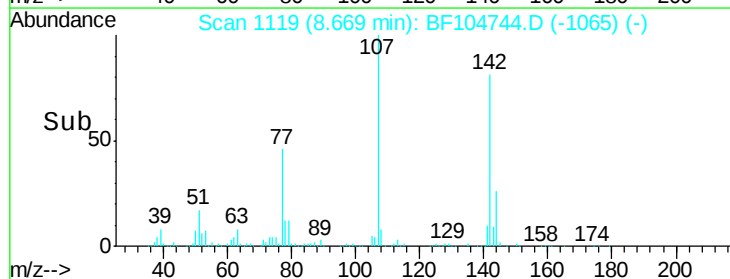
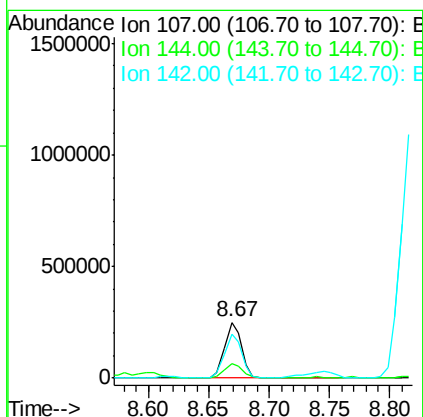
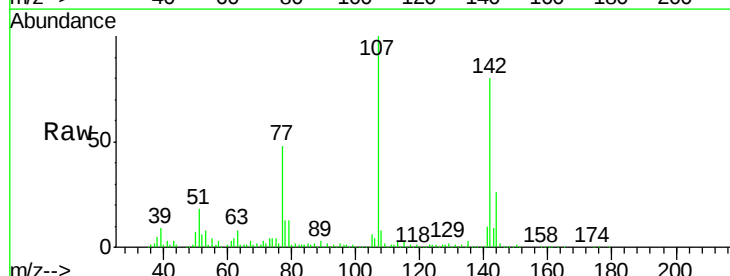
Sohil

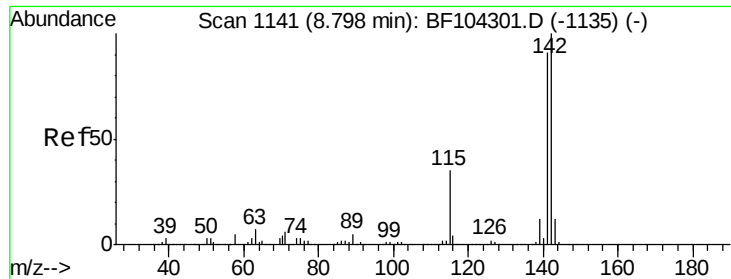
4/24/2018 3:49:18 PM



#36
 4-Chloro-3-methylphenol
 Concen: 44.760 ng/ml
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.6		20.5	30.7	
142	79.9		62.0	93.0	





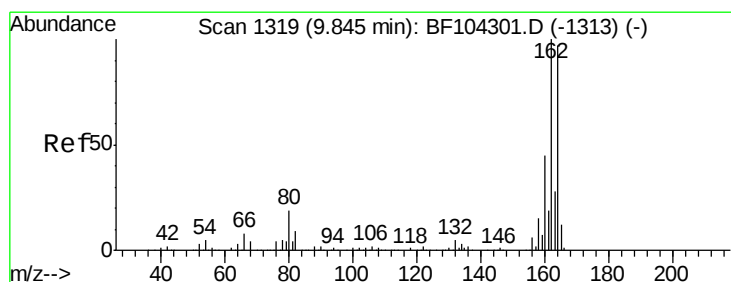
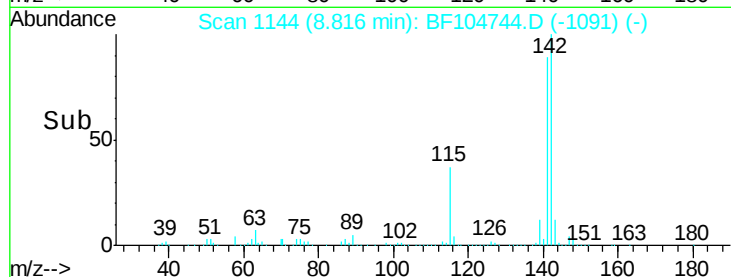
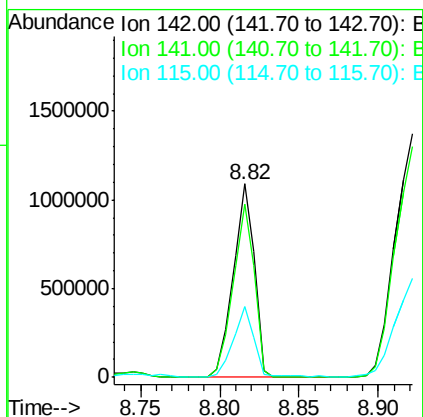
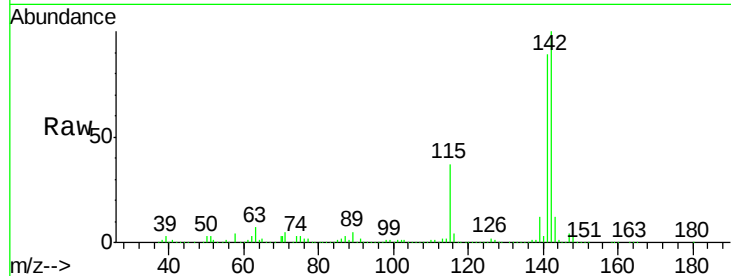
#37
2-Methylnaphthalene
Concen: 84.019 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion:142 Resp: 1008183
Ion Ratio Lower Upper
142 100
141 89.2 70.8 106.2
115 36.8 26.1 39.1

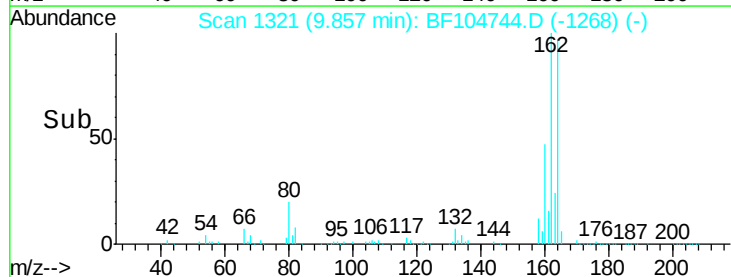
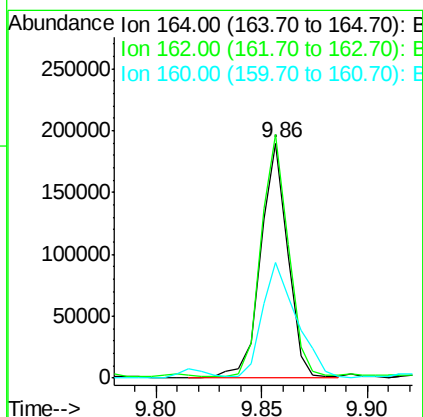
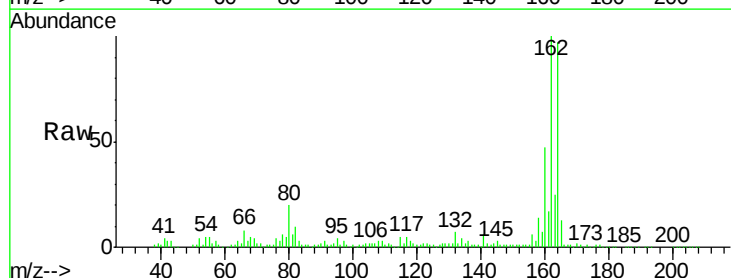
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion:164 Resp: 168173
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 49.2 38.3 57.5





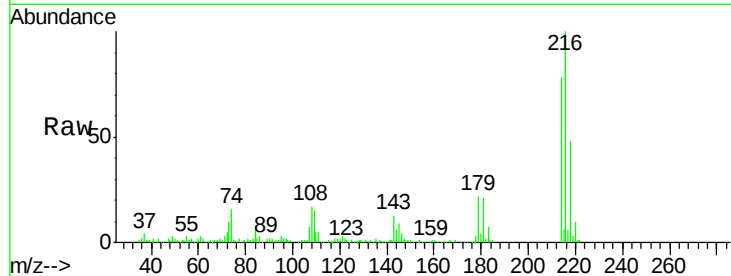
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.260 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

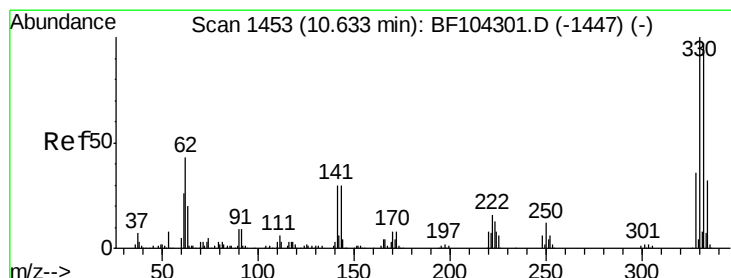
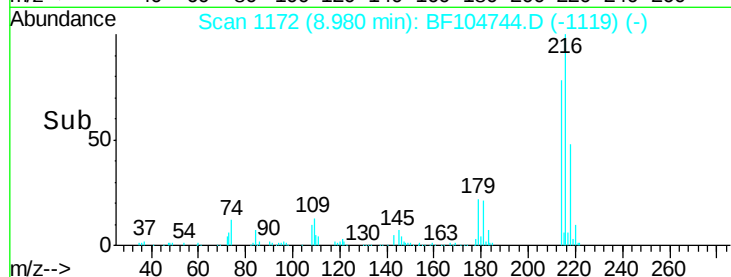
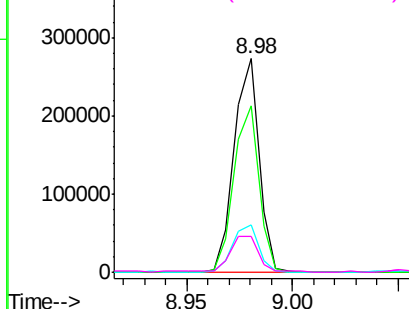
Tot Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	22.9	18.1	27.1
108	18.7	17.2	25.8

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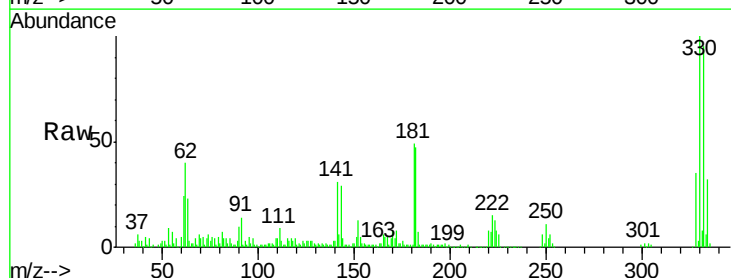


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

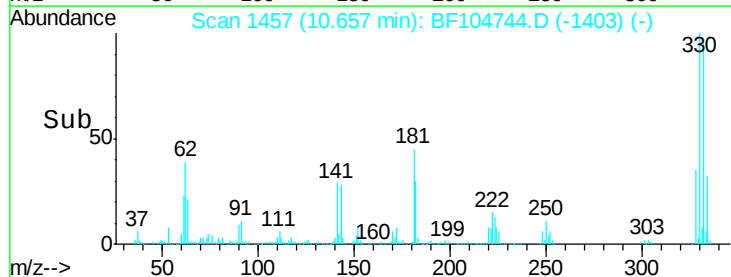
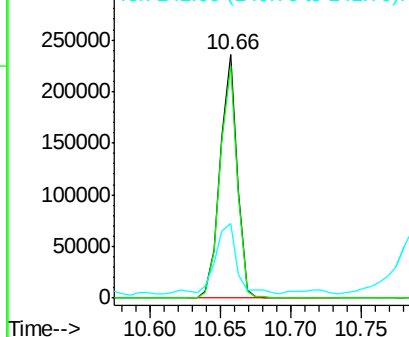


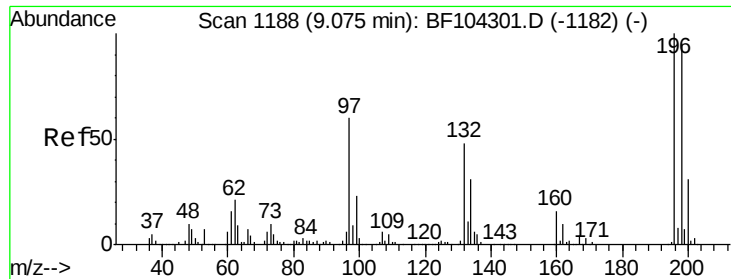
#41
 2,4,6-Tribromophenol
 Concen: 113.603 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	35.5	29.9	44.9



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





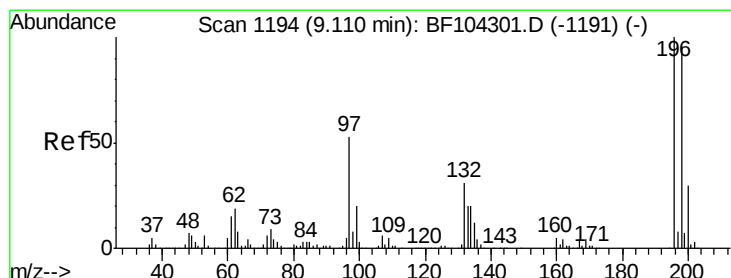
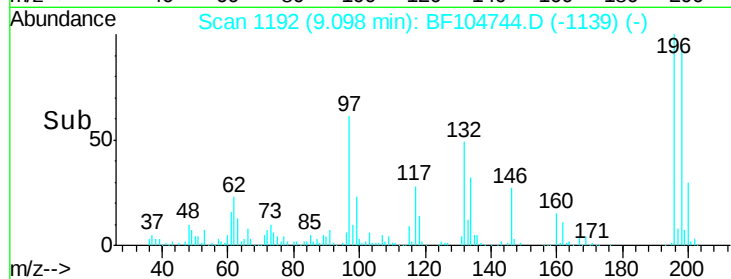
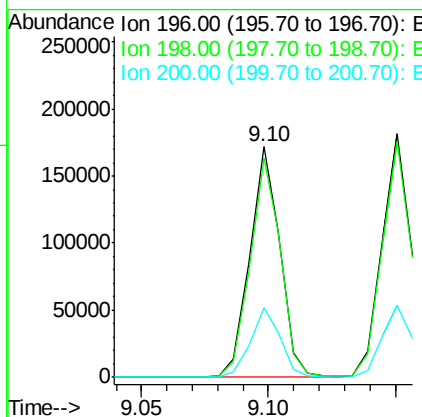
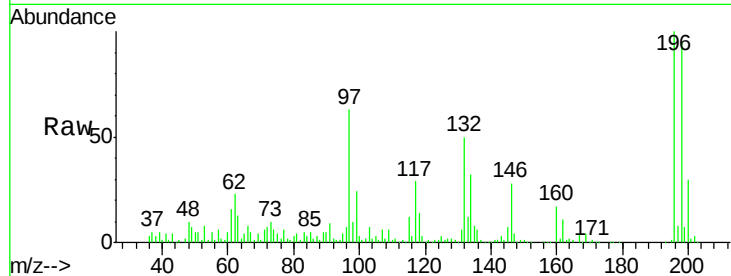
#42
 2,4,6-Trichlorophenol
 Concen: 42.522 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Tot Ion:	196	Resp:	142103
Ion Ratio	Lower	Upper	
196	100		
198	95.1	75.7	113.5
200	30.1	24.5	36.7

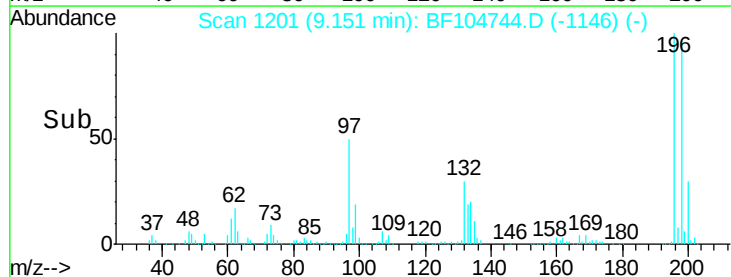
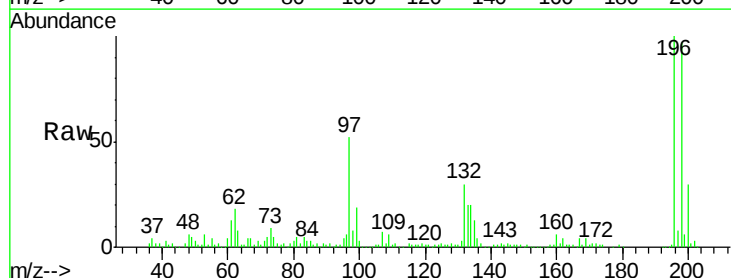
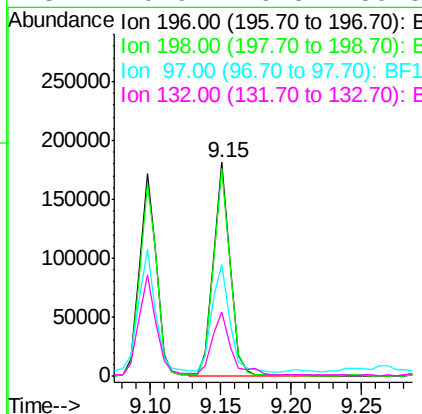
Manual Integrations
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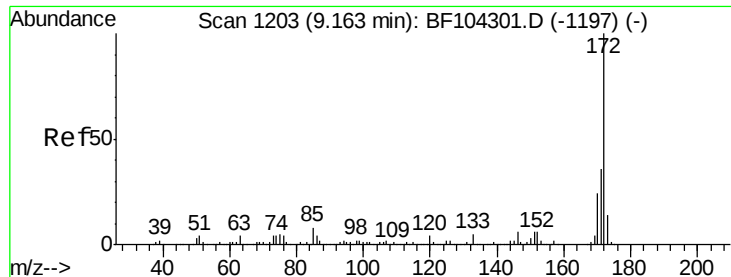
Sohil
 4/24/2018 3:49:18 PM



#43
 2,4,5-Trichlorophenol
 Concen: 39.855 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion:	196	Resp:	149044
Ion Ratio	Lower	Upper	
196	100		
198	97.1	74.6	112.0
97	52.0	42.9	64.3
132	29.9	26.3	39.5





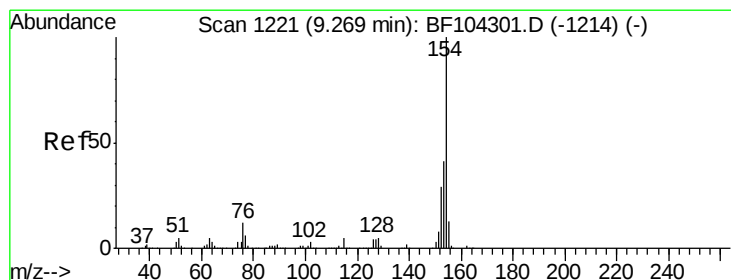
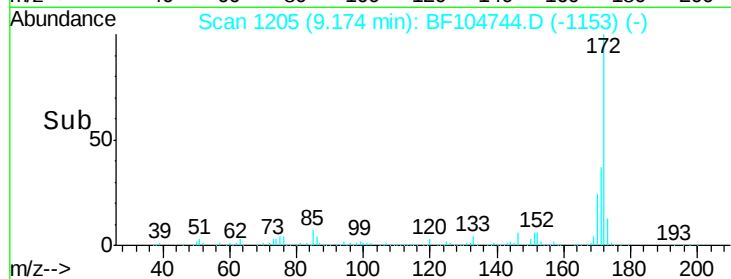
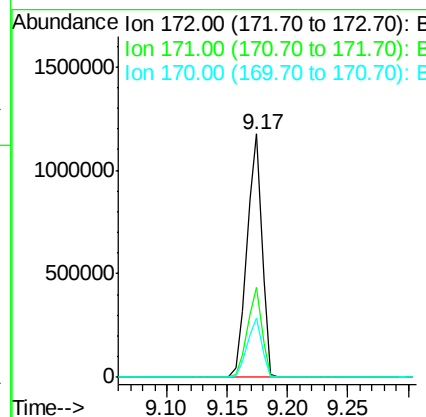
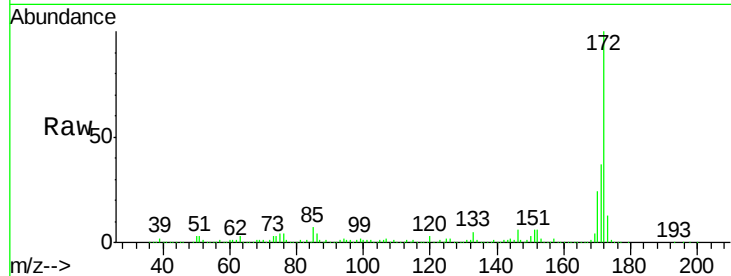
#44
2-Fluorobiphenyl
Concen: 95.923 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.0	29.7	44.5	
170	24.2	19.6	29.4	

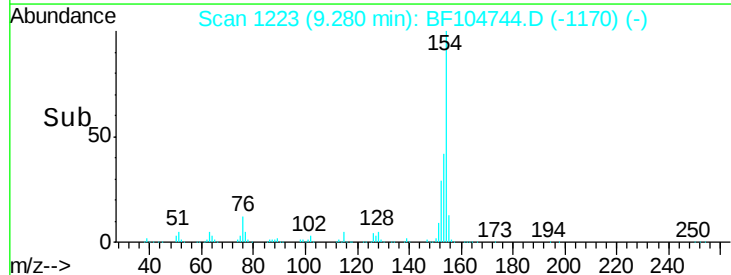
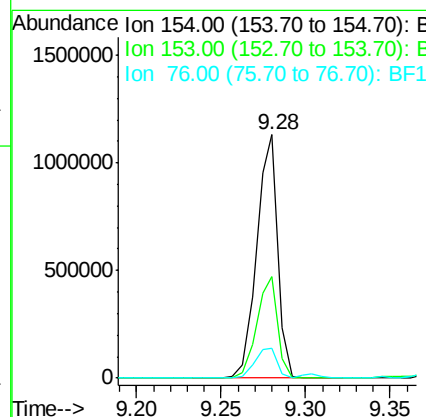
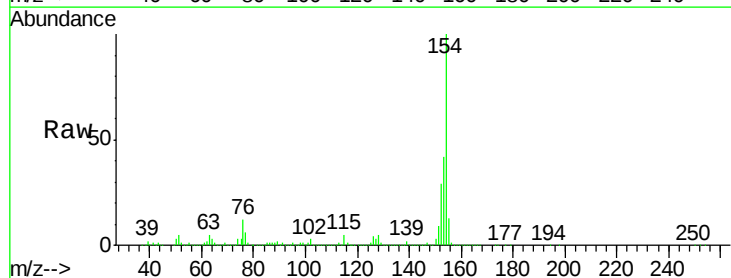
Manual Integrations
APPROVED

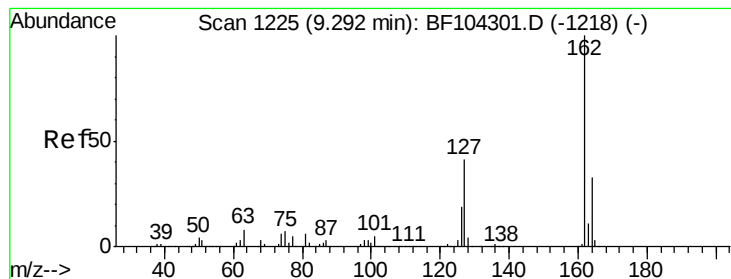
Sohil
4/24/2018 3:49:18 PM



#45
1,1'-Biphenyl
Concen: 69.373 ng
RT: 9.28 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	41.8	21.3	61.3	
76	12.3	0.0	34.0	





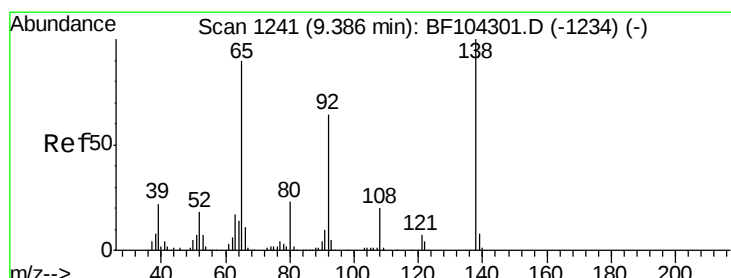
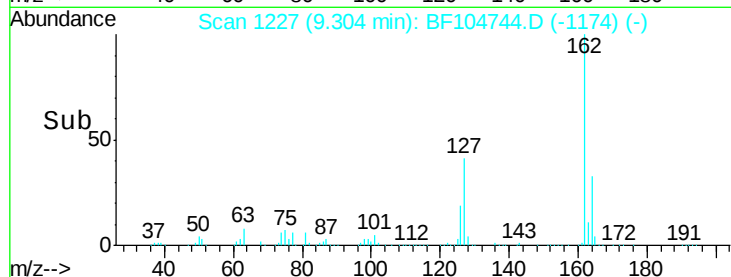
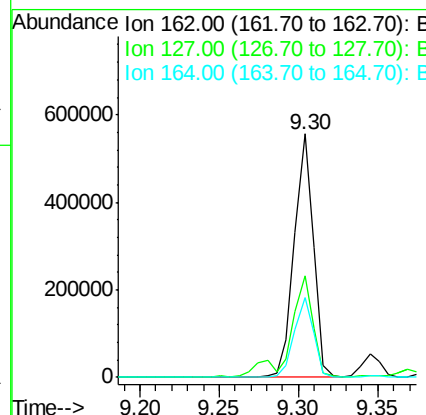
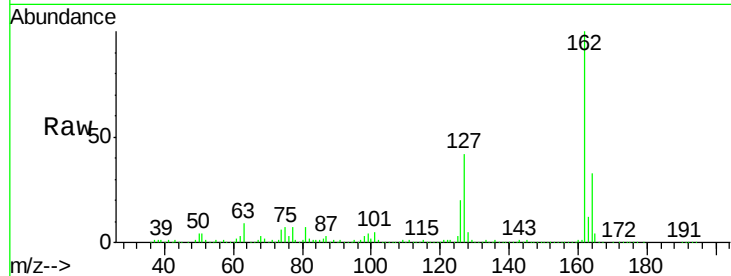
#46
2-Chloronaphthalene
Concen: 41.766 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.9	50.9
164	32.8	26.5	39.7

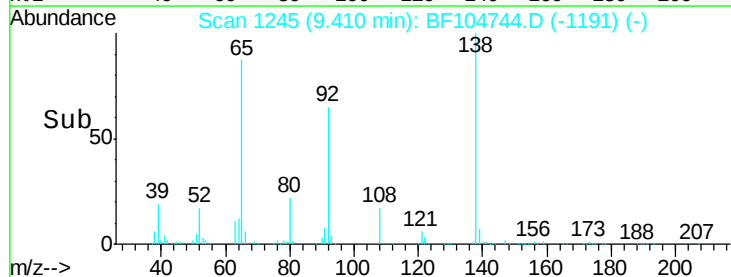
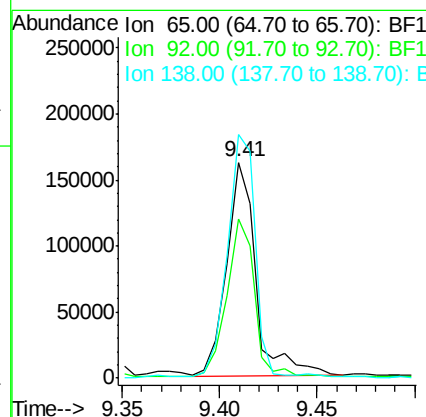
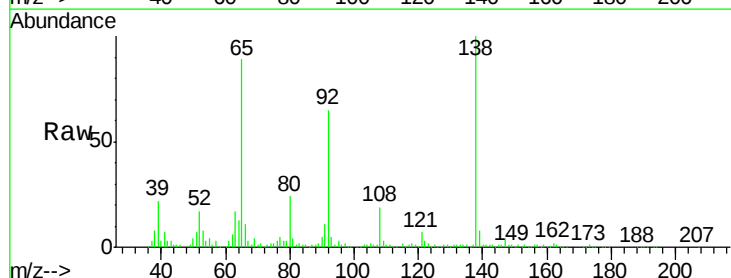
Manual Integrations
APPROVED

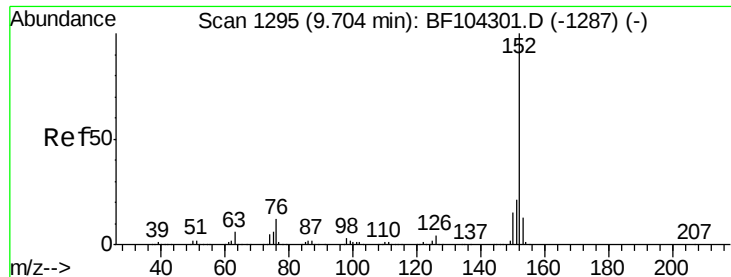
Sohil
4/24/2018 3:49:18 PM



#47
2-Nitroaniline
Concen: 61.282 ng
RT: 9.41 min Scan# 1245
Delta R.T. 0.02 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.7	55.8	83.6
138	112.9	91.2	136.8





#48

Acenaphthylene

Concen: 91.802 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion:152 Resp: 1607292

Ion Ratio Lower Upper

152 100

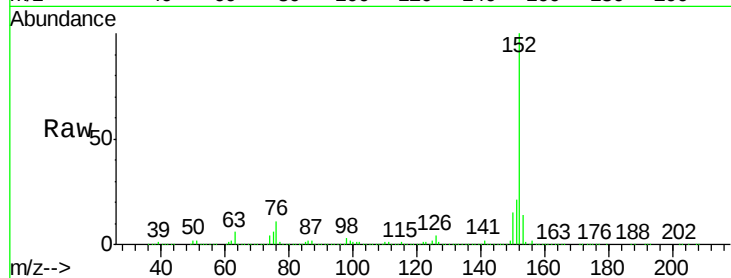
151 21.2 16.3 24.5

153 13.7 10.7 16.1

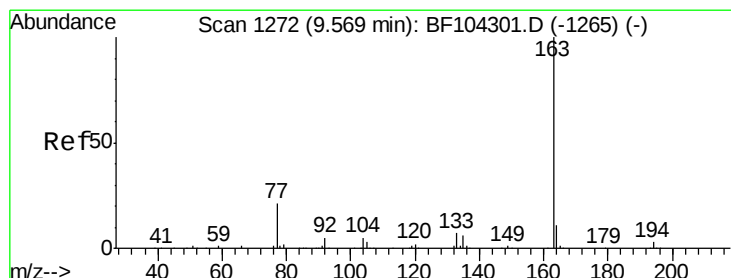
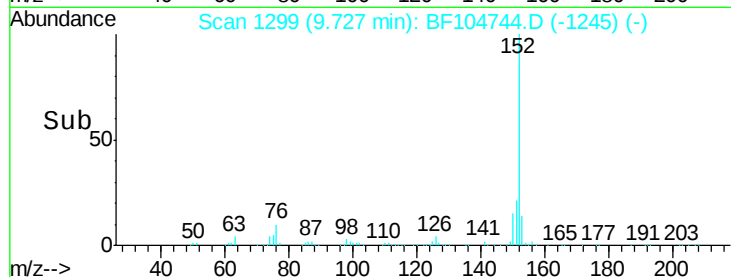
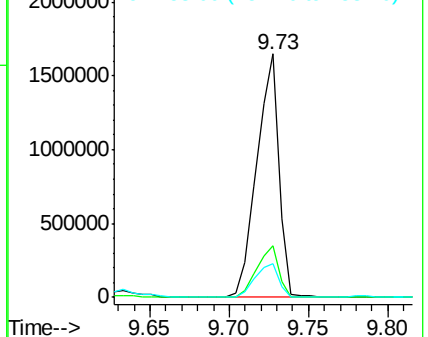
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 44.769 ng

RT: 9.57 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

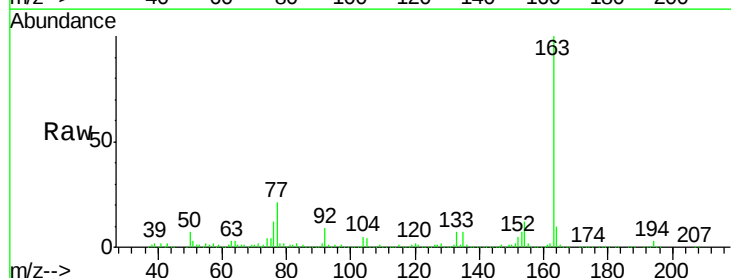
Tgt Ion:163 Resp: 593717

Ion Ratio Lower Upper

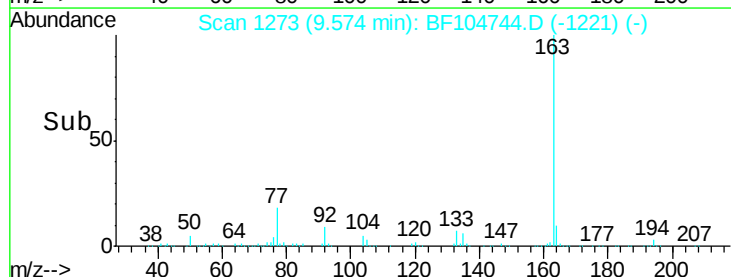
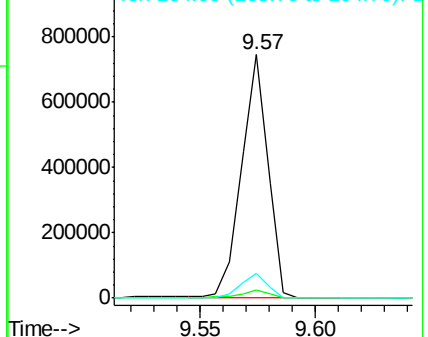
163 100

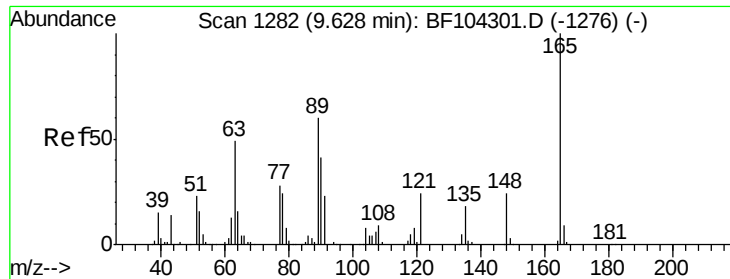
194 3.5 2.7 4.1

164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





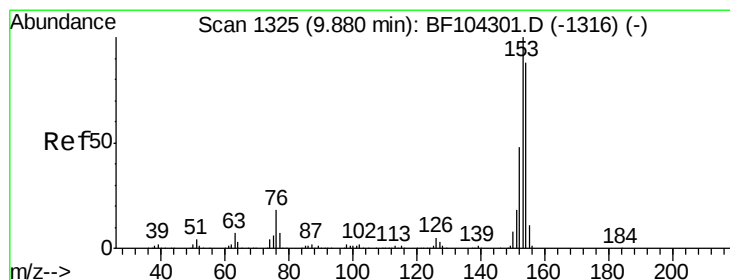
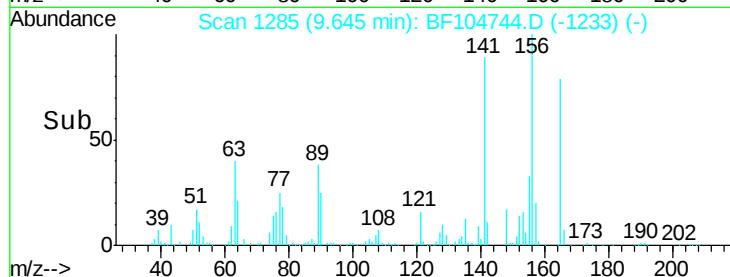
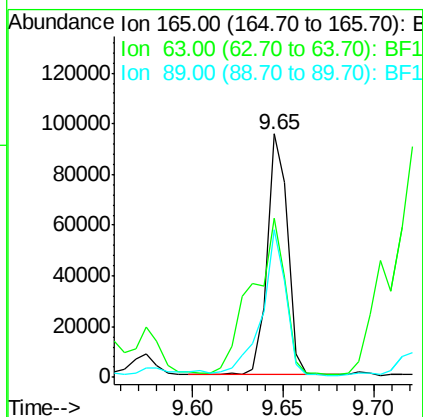
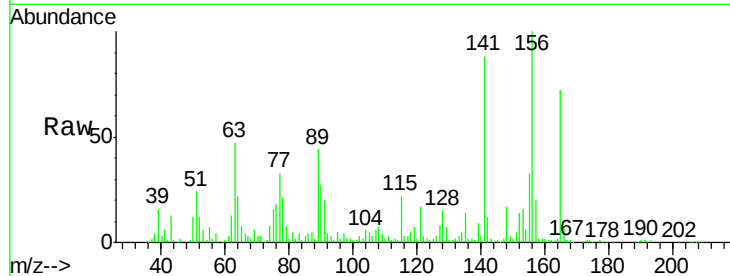
#50
 2,6-Dinitrotoluene
 Concen: 30.217 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Tot Ion:	165	Resp:	74150
Ion Ratio	Lower	Upper	
165	100		
63	65.3	44.7	67.1
89	60.6	44.0	66.0

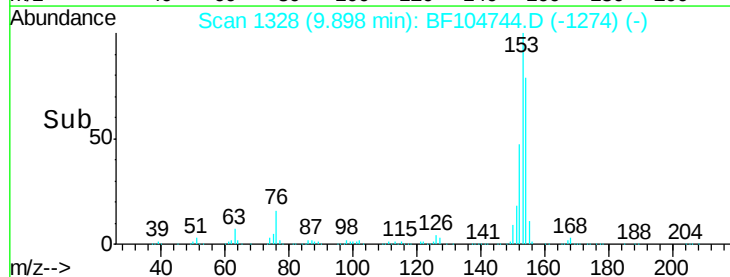
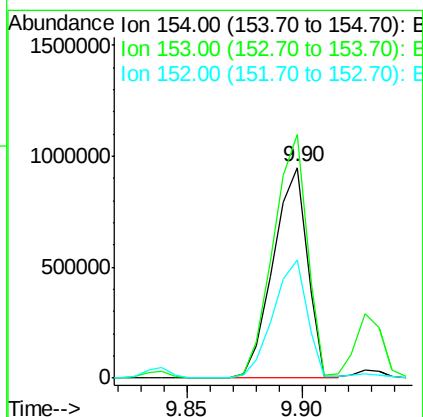
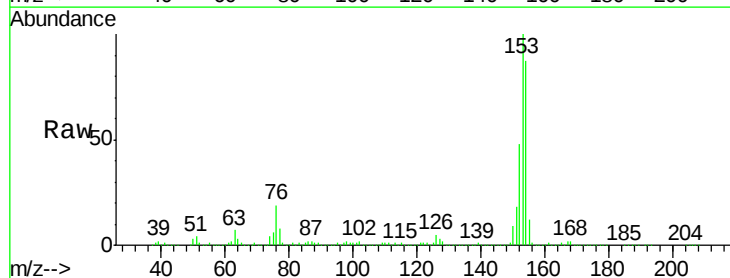
Manual Integrations
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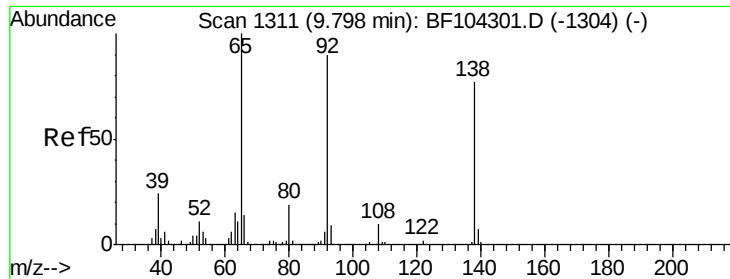
Sohil
 4/24/2018 3:49:18 PM



#51
 Acenaphthene
 Concen: 90.740 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion:	154	Resp:	969325
Ion Ratio	Lower	Upper	
154	100		
153	115.6	91.2	136.8
152	56.0	43.8	65.8





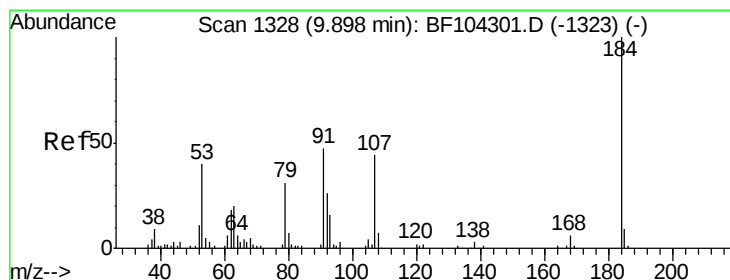
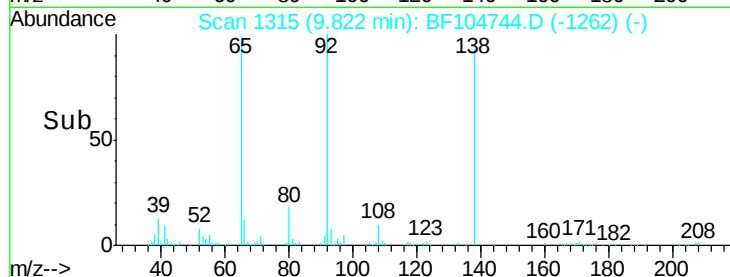
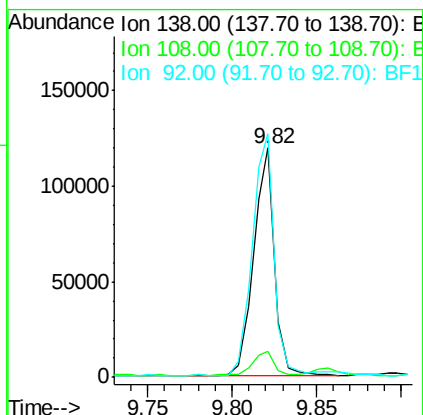
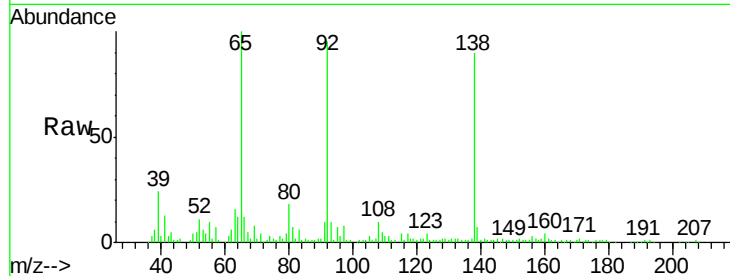
#52
3-Nitroaniline
Concen: 36.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.4	14.0
92	106.2	89.4	134.2

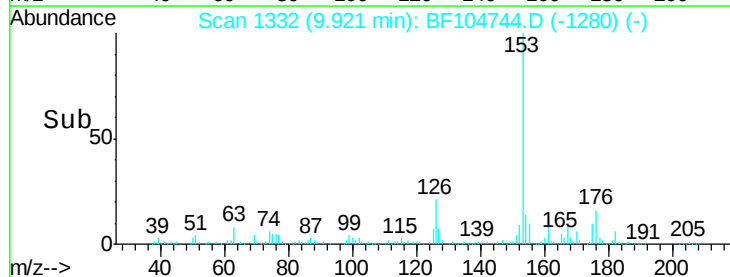
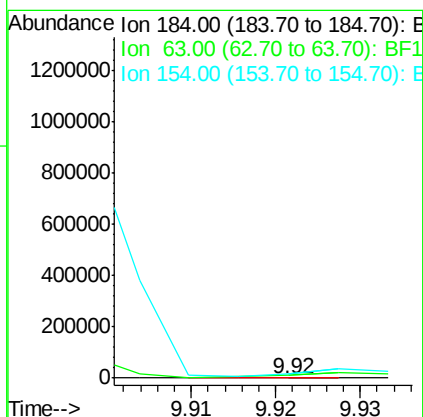
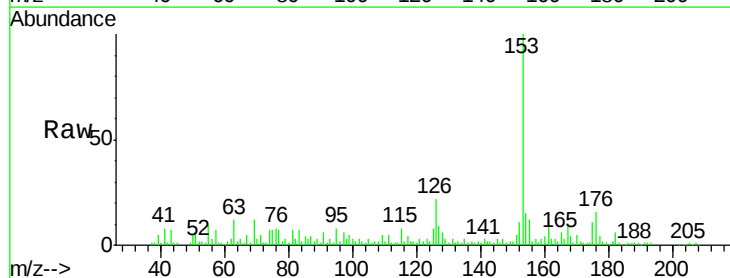
Manual Integrations
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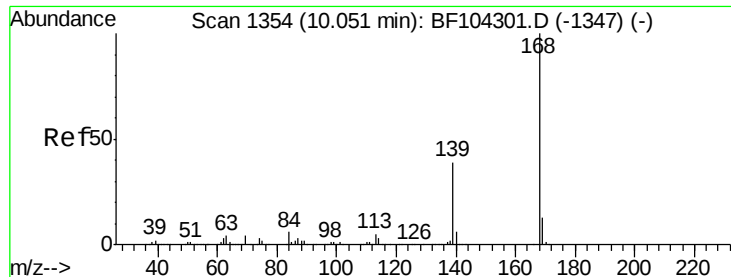
Sohil
4/24/2018 3:49:18 PM



#53
2,4-Dinitrophenol
Concen: 5.283 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
184	100		
63	4028.6	54.2	81.2#
154	5273.4	184.0	276.0#





#54
Dibenzenofuran
Concen: 60.704 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.02 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

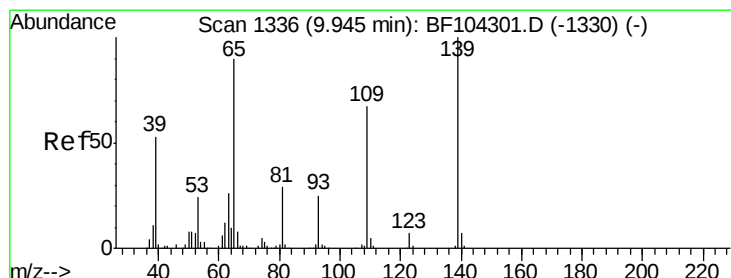
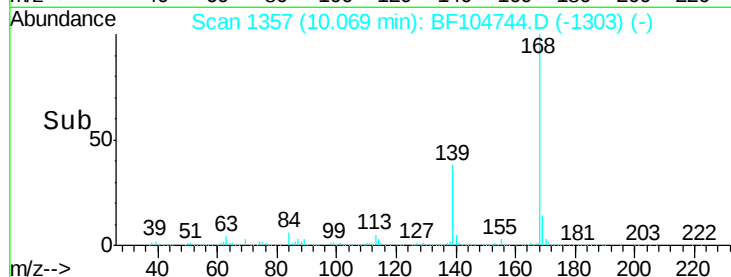
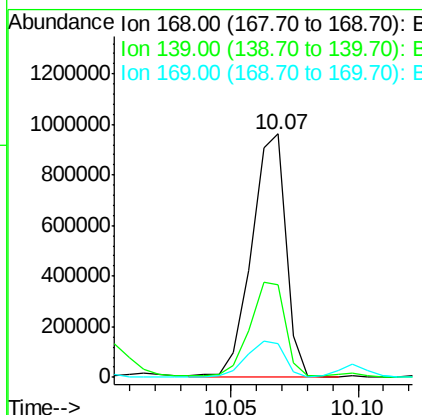
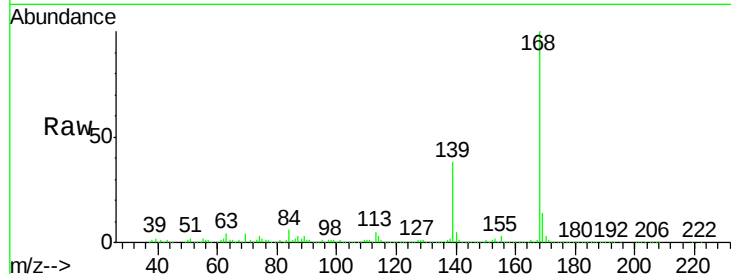
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.1	45.1
169	13.8	10.9	16.3

Manual Integrations
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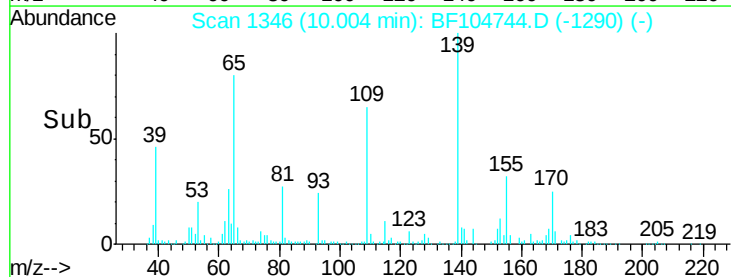
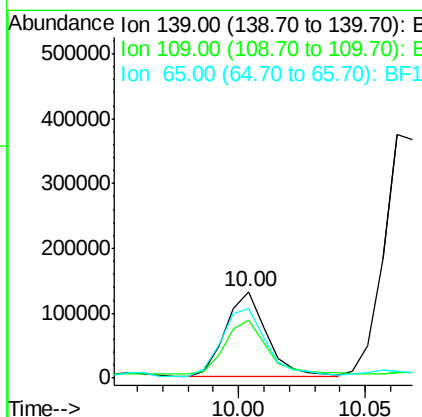
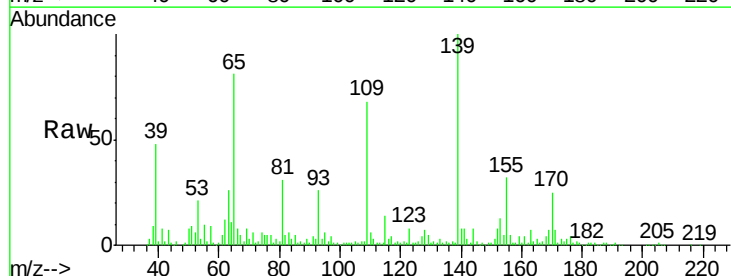
Sohil

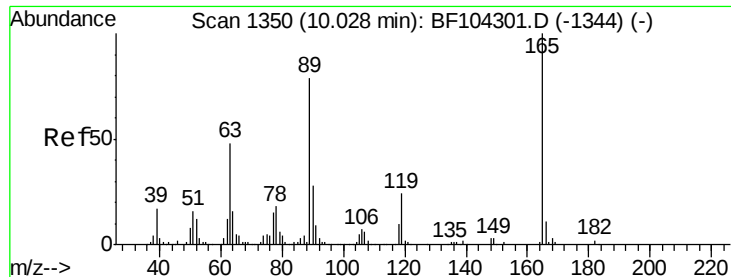
4/24/2018 3:49:18 PM



#55
4-Nitrophenol
Concen: 66.419 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.03 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.6	48.4	88.4
65	80.9	72.6	112.6





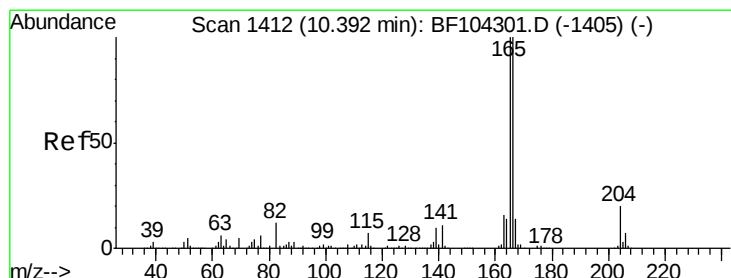
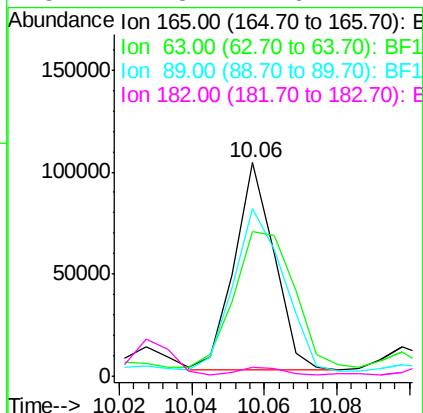
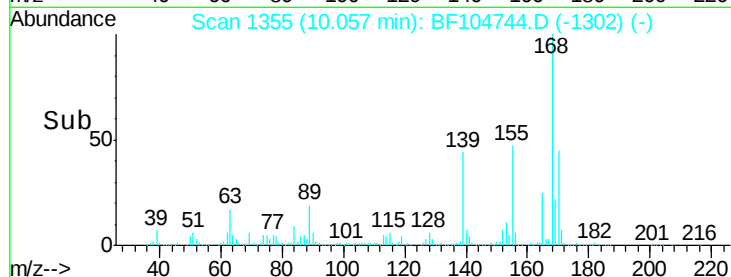
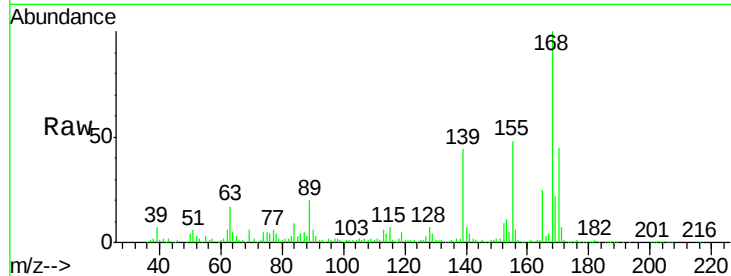
#56
2,4-Dinitrotoluene
Concen: 24.200 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	67.4	36.4	54.6#
89	78.7	57.8	86.6
182	4.3	1.6	2.4#

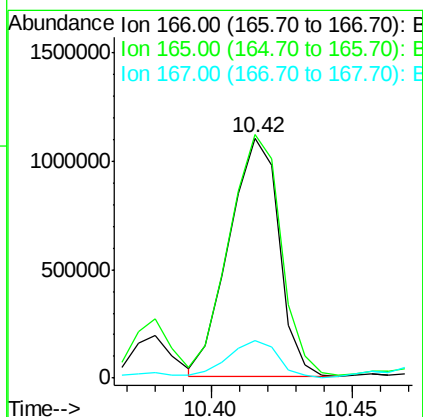
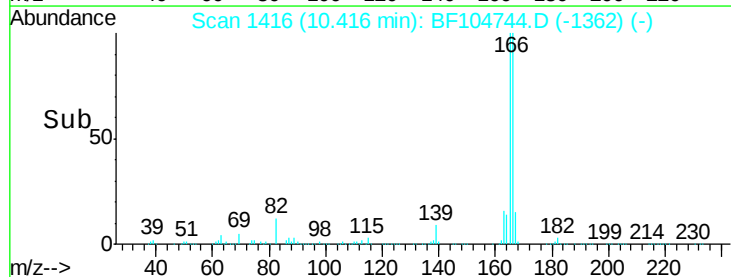
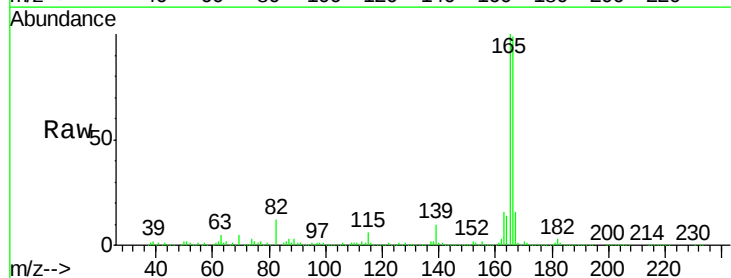
Manual Integrations
APPROVED

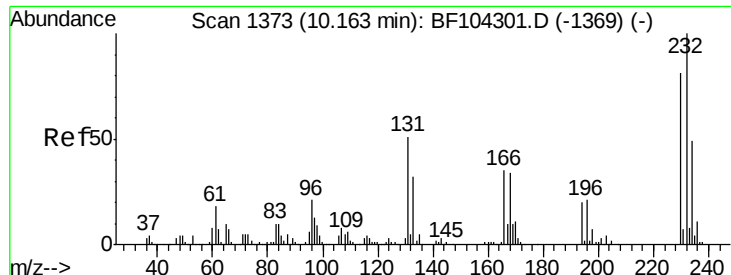
Sohil
4/24/2018 3:49:18 PM



#57
Fluorene
Concen: 124.458 ng
RT: 10.42 min Scan# 1416
Delta R.T. 0.02 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	79.8	119.8
167	15.8	10.6	16.0





#58

2,3,4,6-Tetrachlorophenol

Concen: 38.583 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion:232 Resp: 107644

Ion Ratio Lower Upper

232 100

131 49.3 43.8 65.8

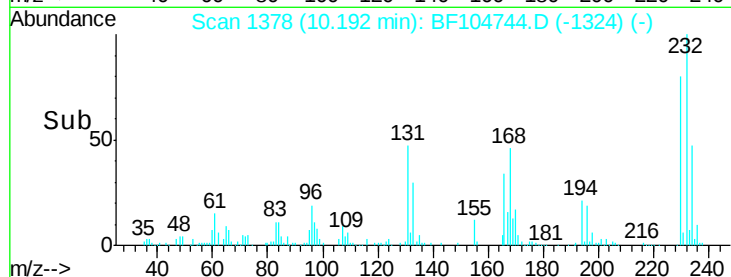
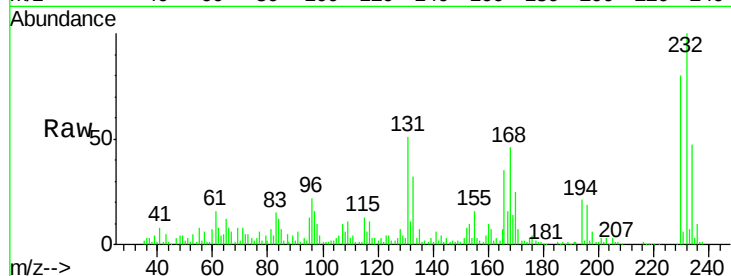
130 5.0 2.1 3.1#

166 38.0 27.8 41.6

Manual Integrations
APPROVED

Sohil

4/24/2018 3:49:18 PM

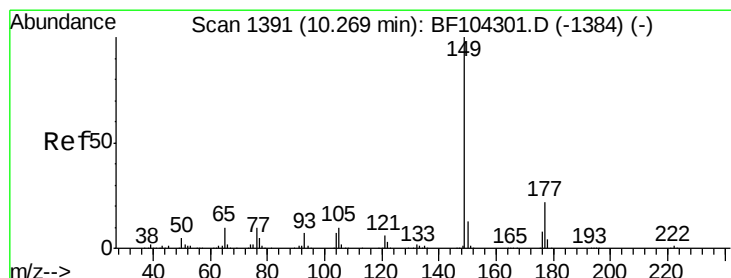
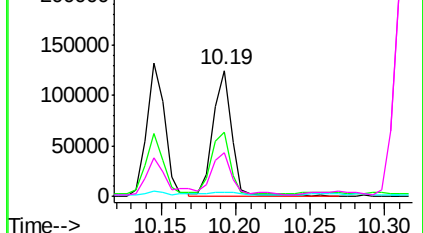


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 36.582 ng

RT: 10.27 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

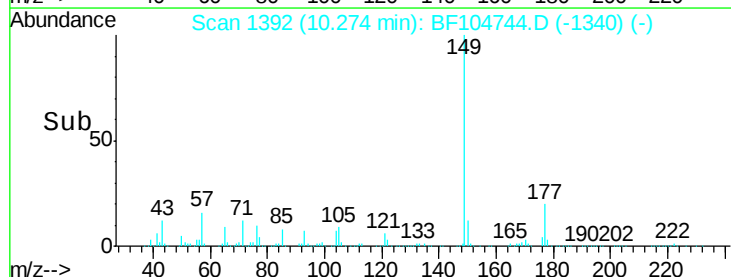
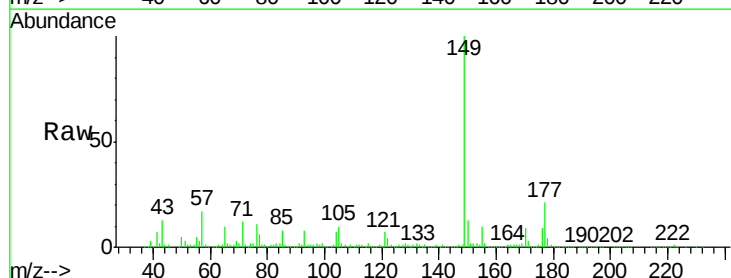
Tgt Ion:149 Resp: 483170

Ion Ratio Lower Upper

149 100

177 21.1 16.1 24.1

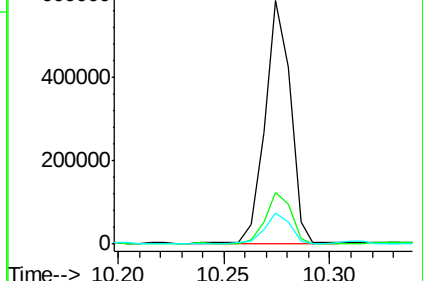
150 12.9 10.1 15.1

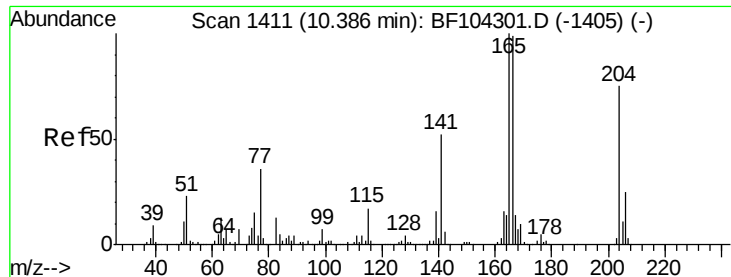


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





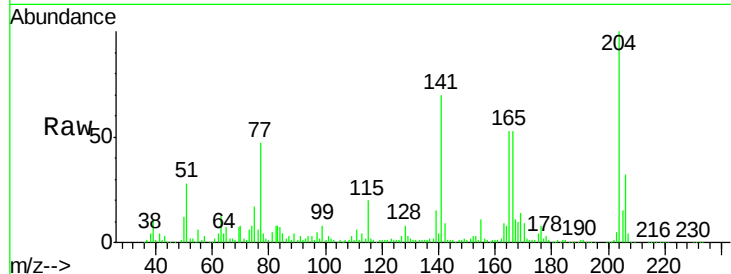
#60
 4-Chlorophenyl-phenylether
 Concen: 40.770 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

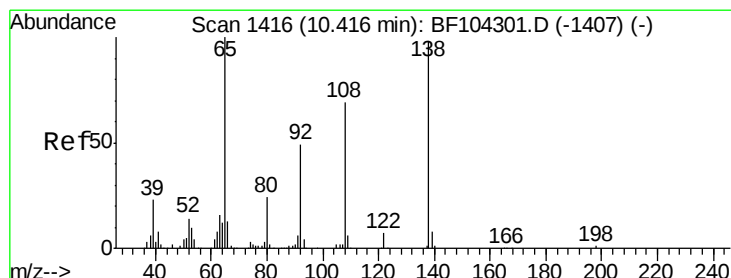
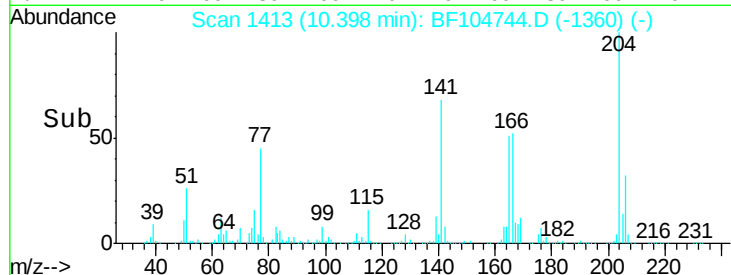
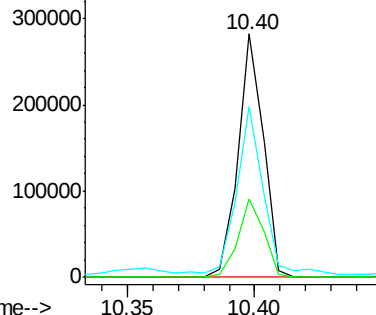
Tot Ion:	204	Resp:	196747
Ion Ratio	Lower	Upper	
204	100		
206	32.5	26.5	39.7
141	70.0	54.6	81.8

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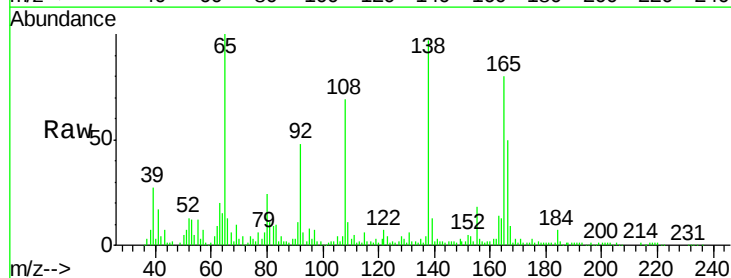


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

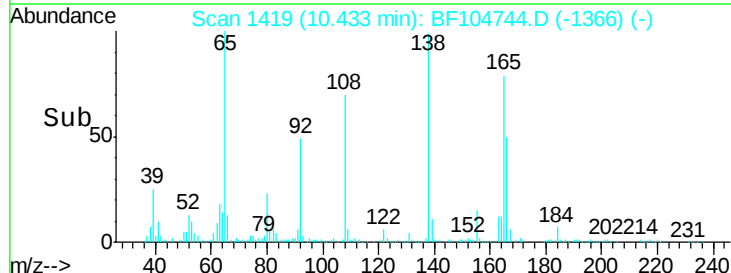
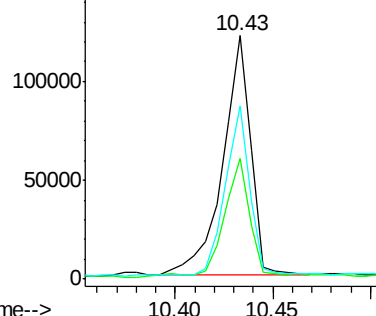


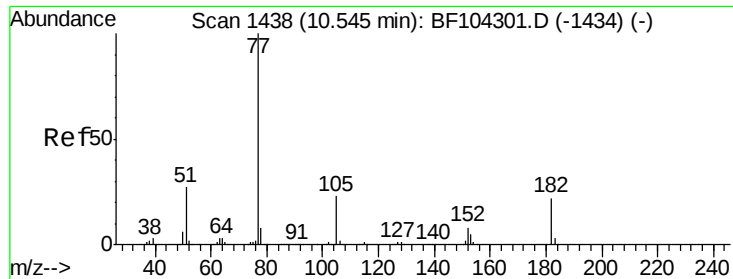
#61
 4-Nitroaniline
 Concen: 42.501 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion:	138	Resp:	119384
Ion Ratio	Lower	Upper	
138	100		
92	49.7	30.2	70.2
108	71.3	52.5	92.5



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





#62

Azobenzene

Concen: 32.115 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion: 77 Resp: 405250

Ion Ratio Lower Upper

77 100

182 43.4 1.7 41.7#

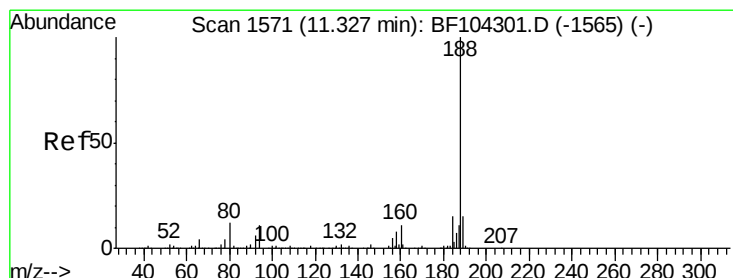
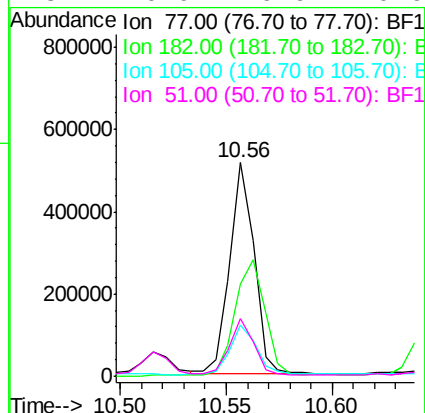
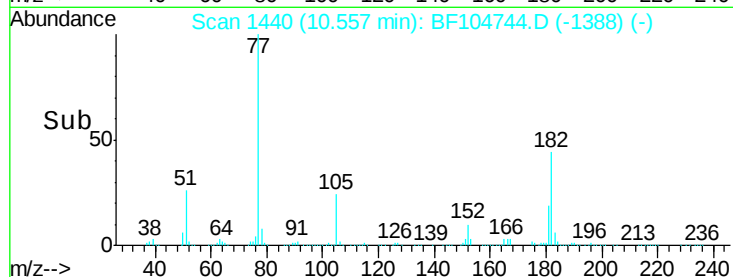
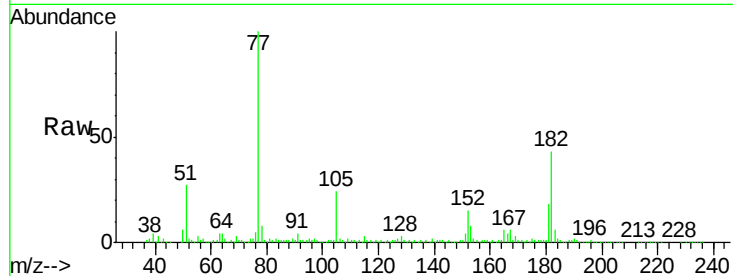
105 24.0 3.0 43.0

51 26.9 9.9 49.9

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4/24/2018 3:49:18 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

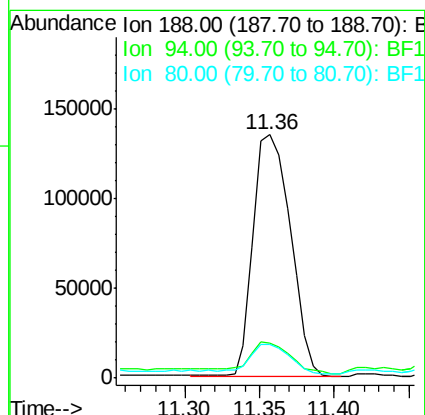
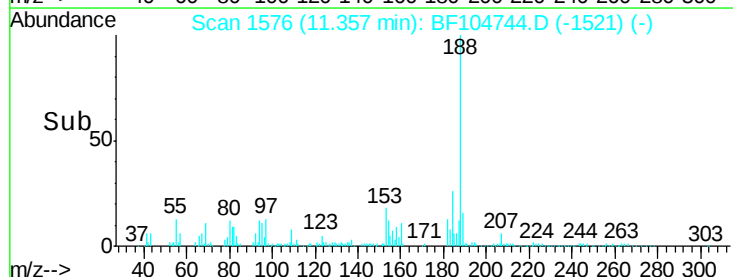
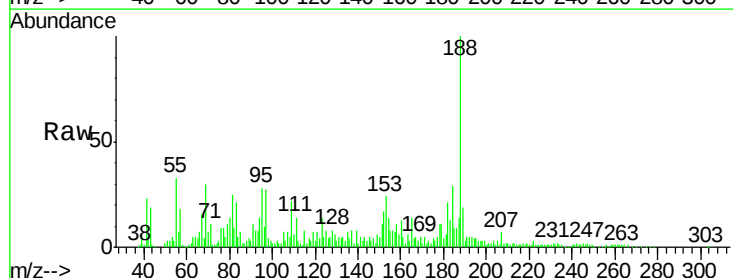
Tgt Ion: 188 Resp: 234495

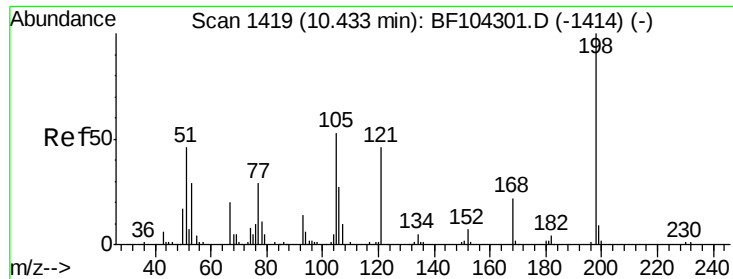
Ion Ratio Lower Upper

188 100

94 14.5 8.5 12.7#

80 13.8 9.2 13.8





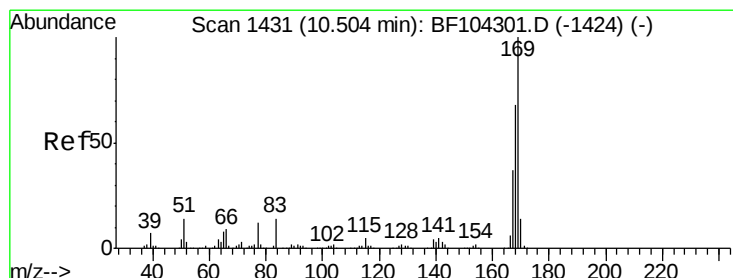
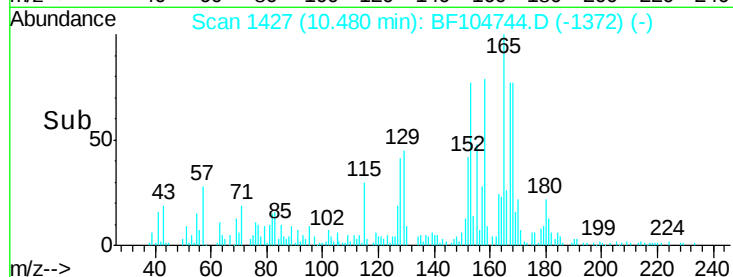
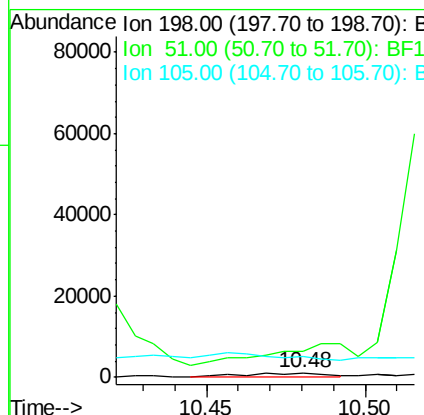
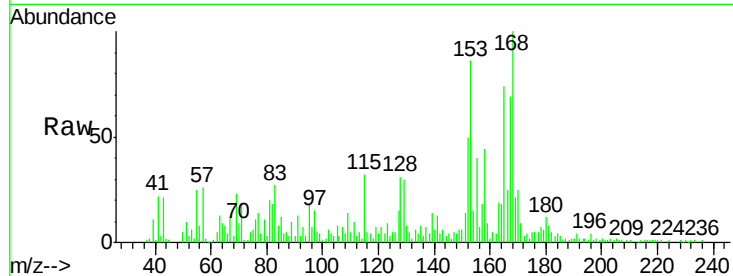
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.784 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.02 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	594.4	37.7	77.7#
105	486.4	36.3	76.3#

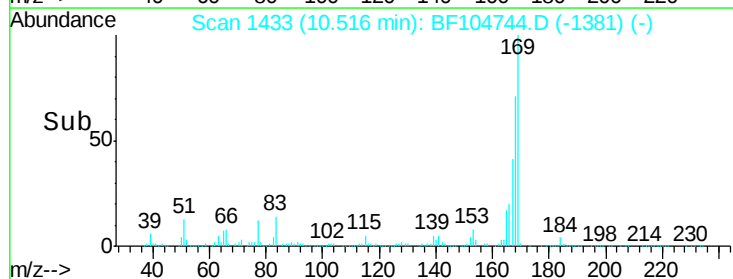
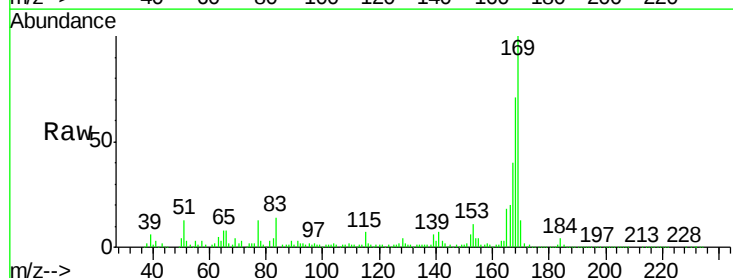
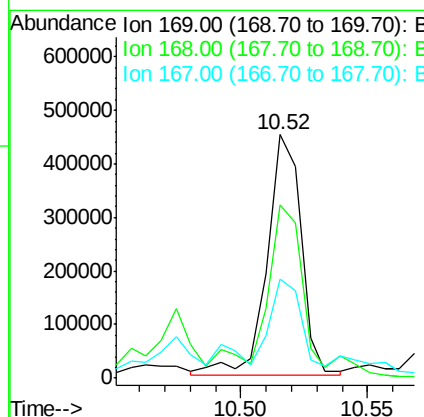
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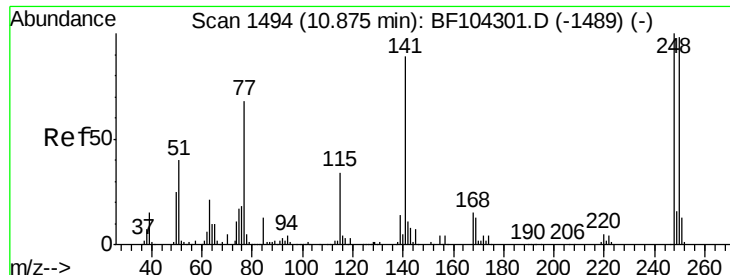
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#65
 n-Nitrosodiphenylamine
 Concen: 51.695 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.1	54.4	81.6
167	40.5	29.8	44.6





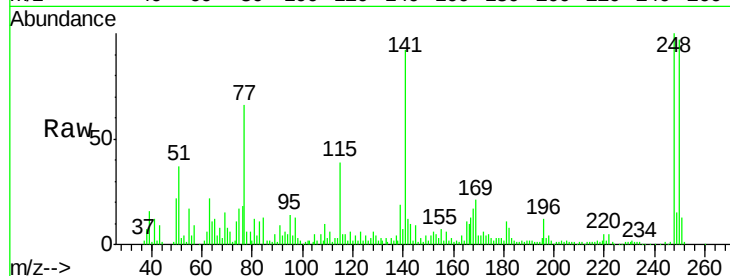
#66
 4-Bromophenyl-phenylether
 Concen: 48.344 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

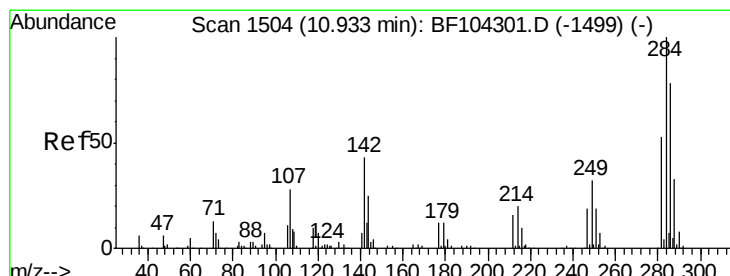
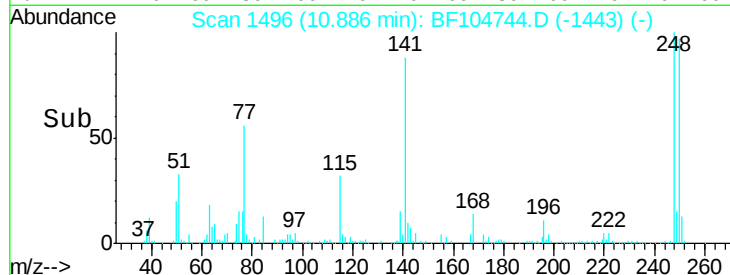
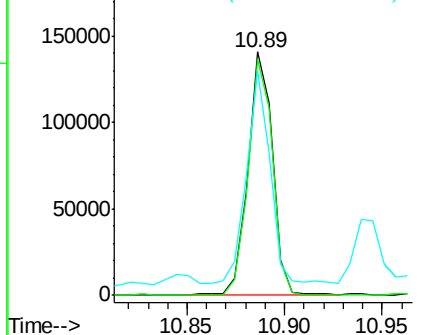
Tot Ion:	248	Resp:	120584
Ion Ratio	Lower	Upper	
248	100		
250	96.8	76.9	115.3
141	92.1	74.4	111.6

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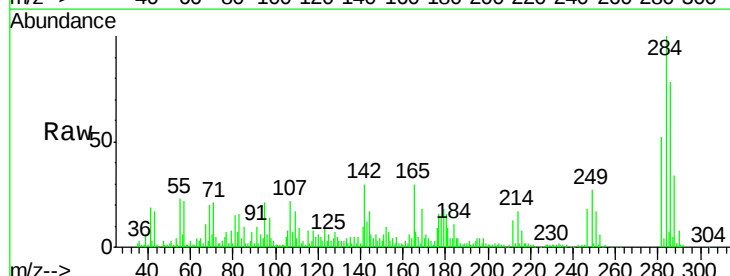


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

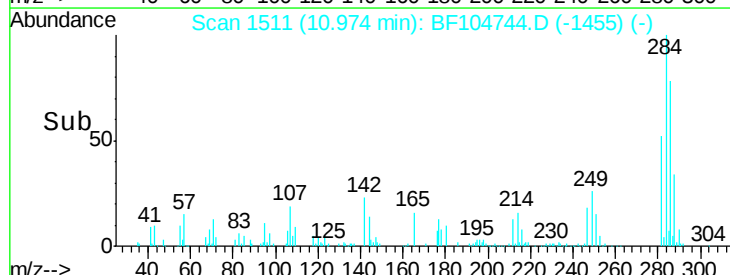
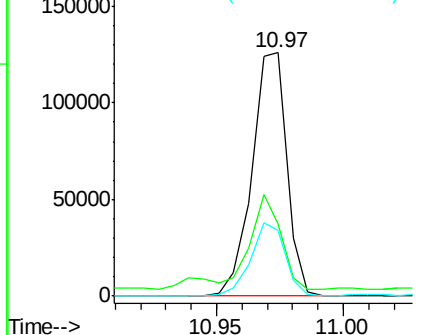


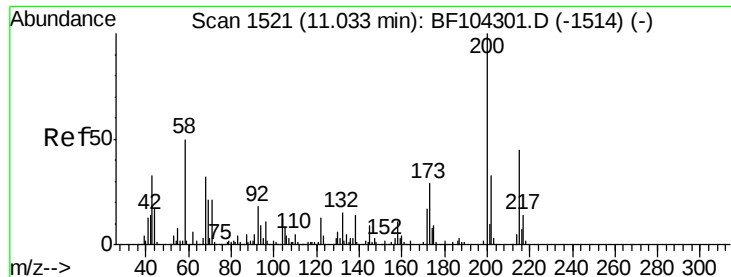
#67
 Hexachlorobenzene
 Concen: 43.217 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. 0.03 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion:	284	Resp:	121292
Ion Ratio	Lower	Upper	
284	100		
142	29.8	34.6	52.0#
249	27.2	24.8	37.2



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





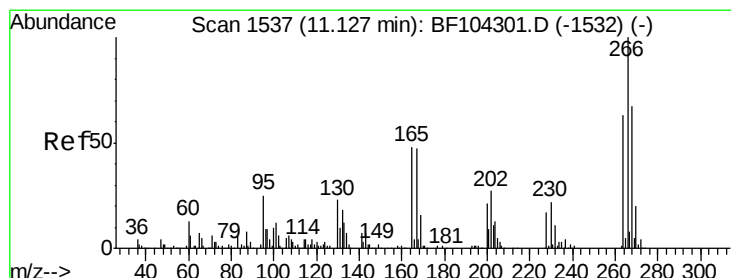
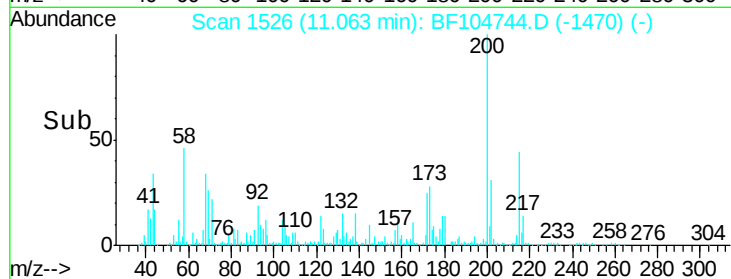
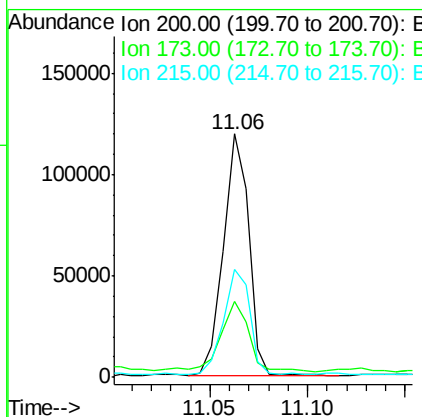
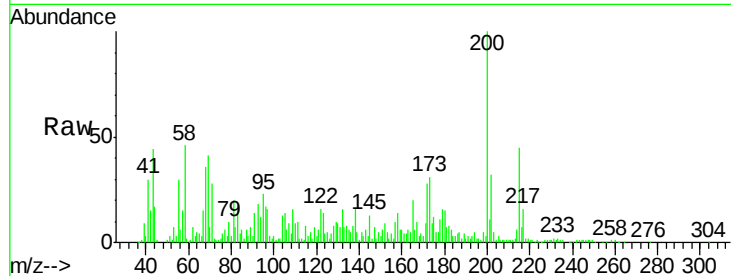
#68
Atrazine
Concen: 43.585 ng
RT: 11.06 min Scan# 1526
Delta R.T. 0.03 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	30.9	8.6	48.6
215	44.6	25.1	65.1

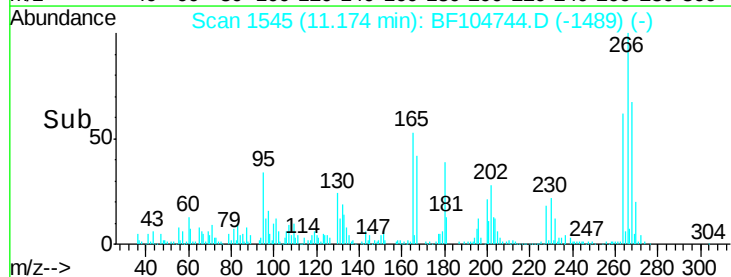
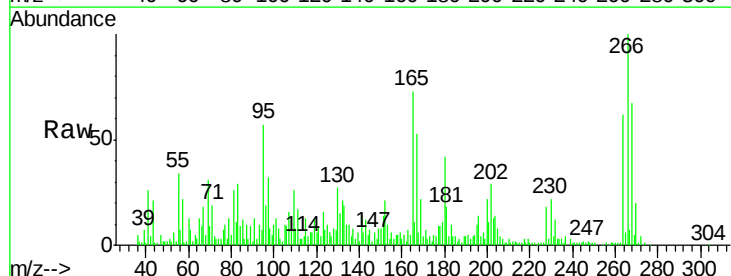
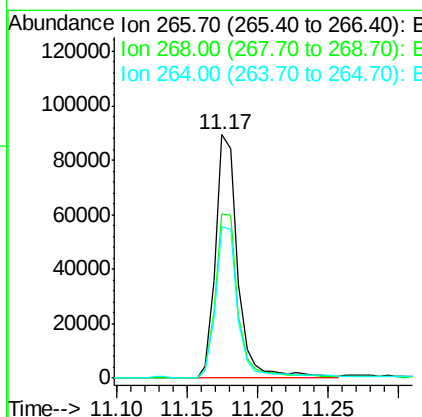
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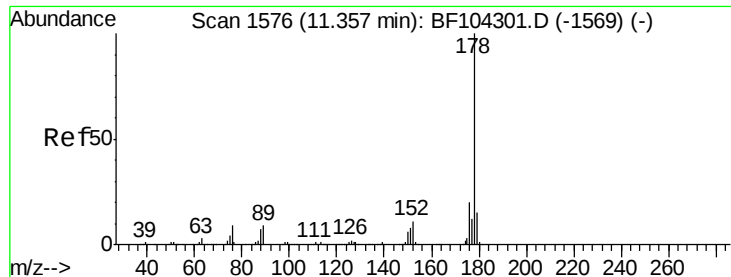
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4/24/2018 3:49:18 PM



#69
Pentachlorophenol
Concen: 56.965 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.03 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.3	51.1	76.7
264	62.1	49.5	74.3





#70

Phenanthrene

Concen: 303.858 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.04 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion:178 Resp: 3968037

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

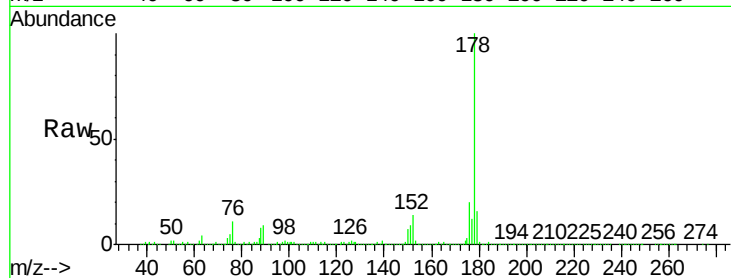
179 16.3 13.0 19.6

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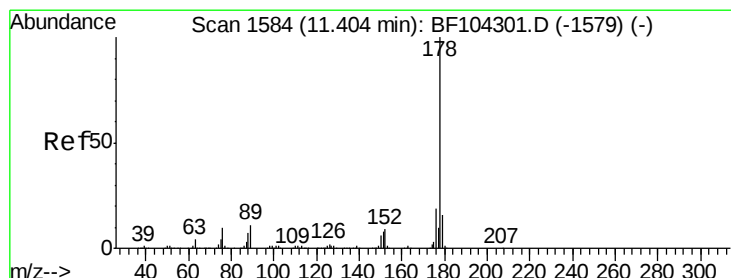
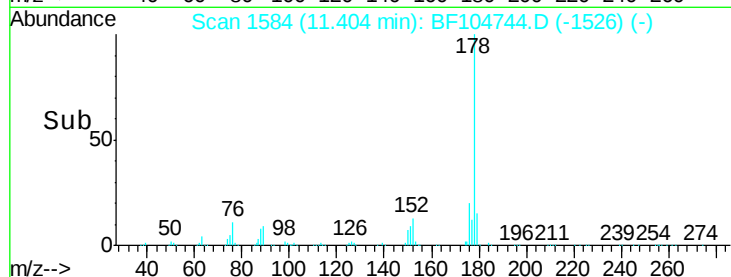
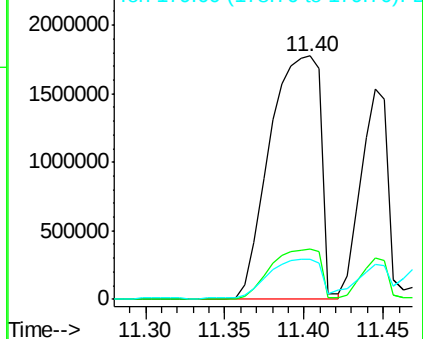
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 134.381 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.03 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tgt Ion:178 Resp: 1783838

Ion Ratio Lower Upper

178 100

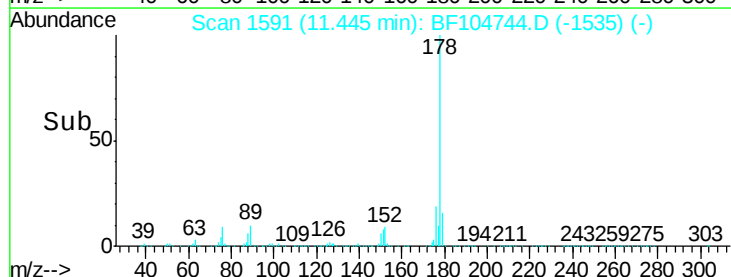
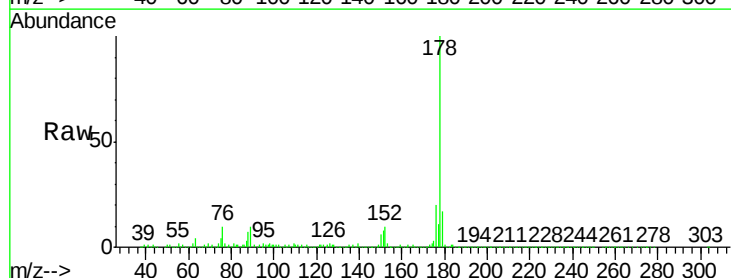
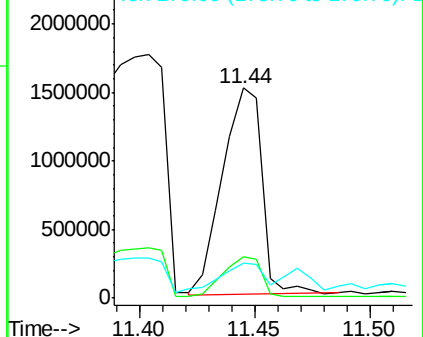
176 19.6 15.4 23.2

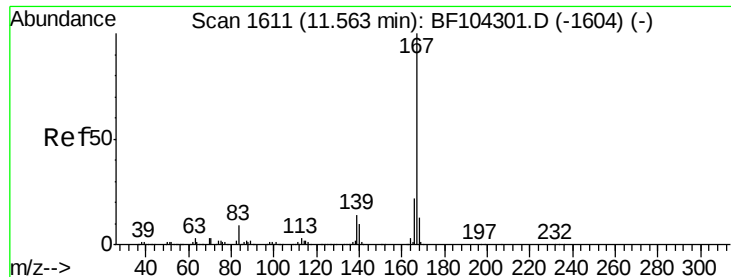
179 16.6 12.6 19.0

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





#72

Carbazole

Concen: 93.896 ng

RT: 11.60 min Scan# 1617

Delta R.T. 0.03 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion:167 Resp: 1217978

Ion Ratio Lower Upper

167 100

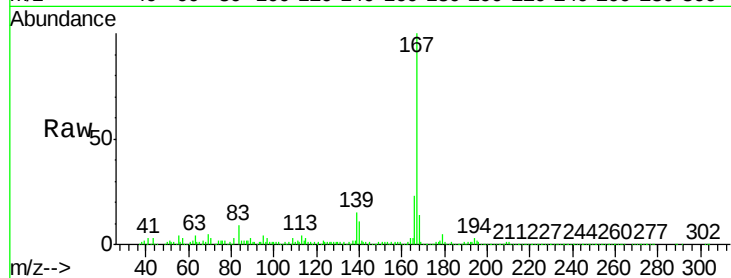
166 22.9 17.6 26.4

139 14.5 10.9 16.3

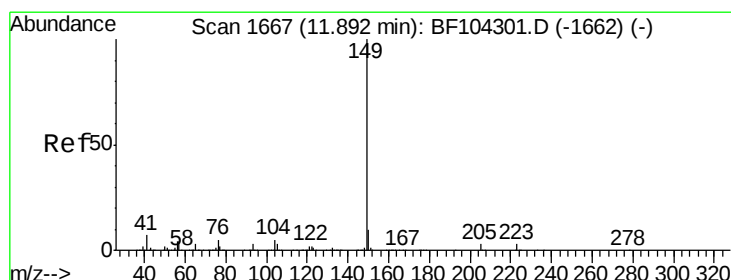
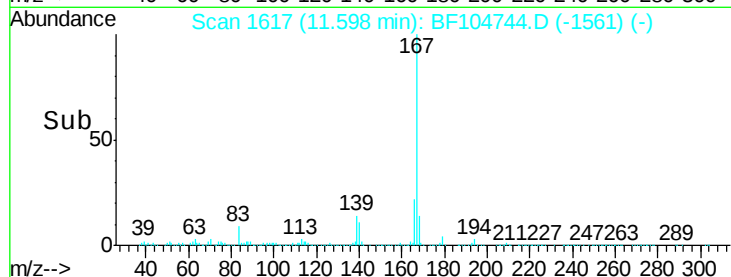
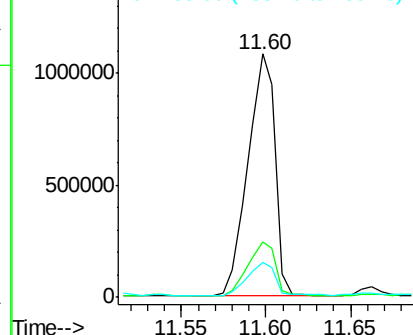
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Abundance Ion 167.00 (166.70 to 167.70): E
1500000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 39.181 ng

RT: 11.92 min Scan# 1671

Delta R.T. 0.02 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

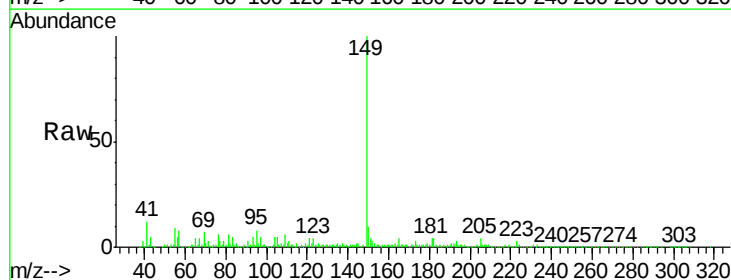
Tgt Ion:149 Resp: 620842

Ion Ratio Lower Upper

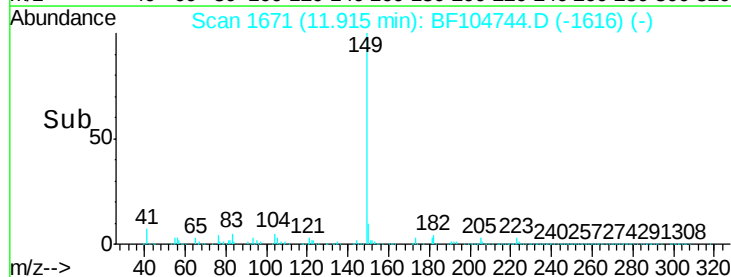
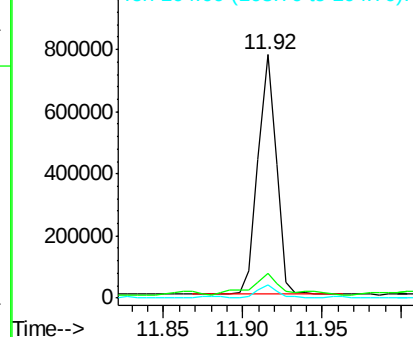
149 100

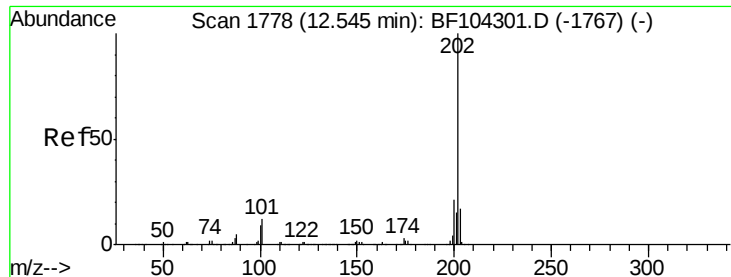
150 10.3 7.8 11.6

104 5.2 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
1000000
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 230.473 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.06 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

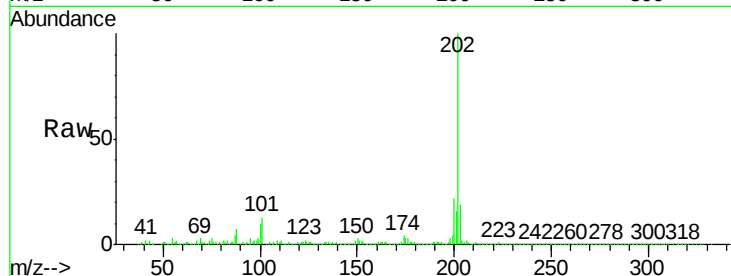
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	18.5	0.0	38.1

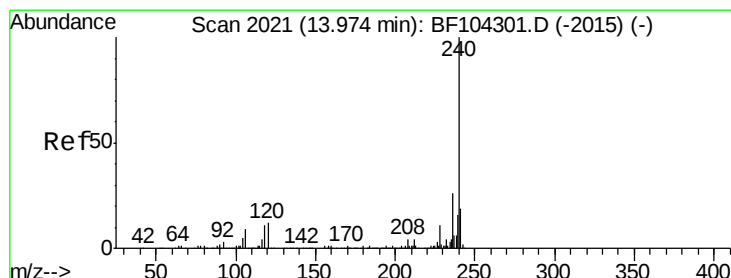
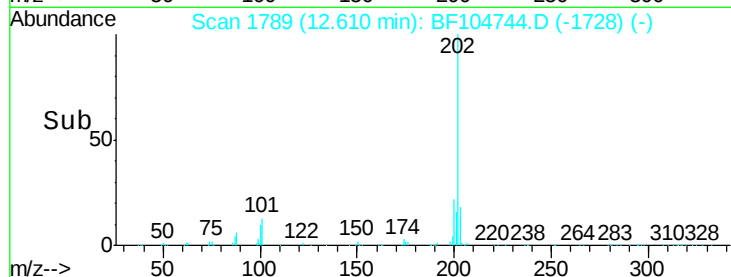
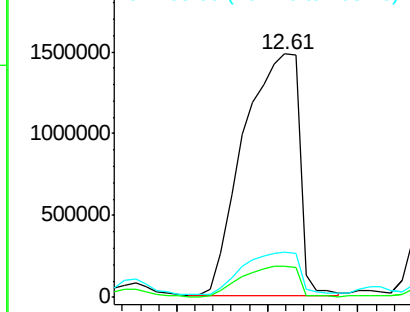
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

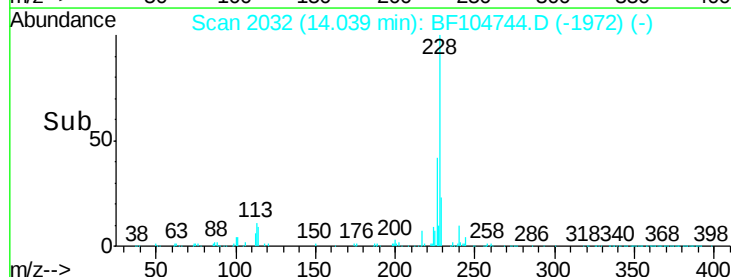
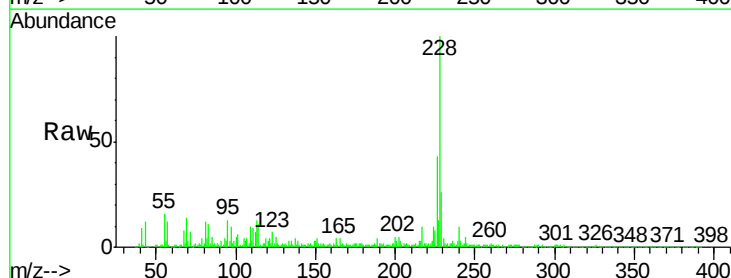
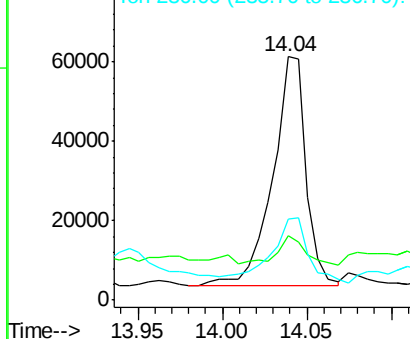
Delta R.T. 0.05 min

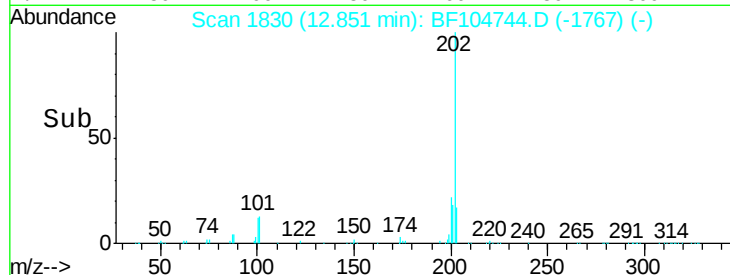
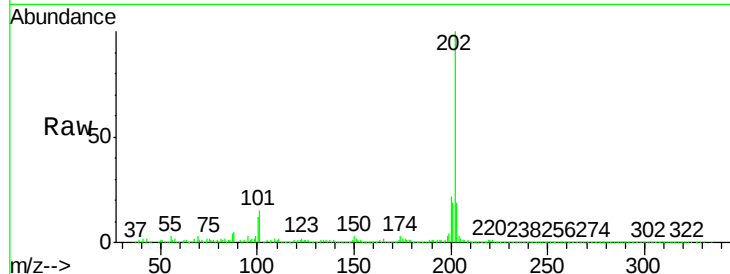
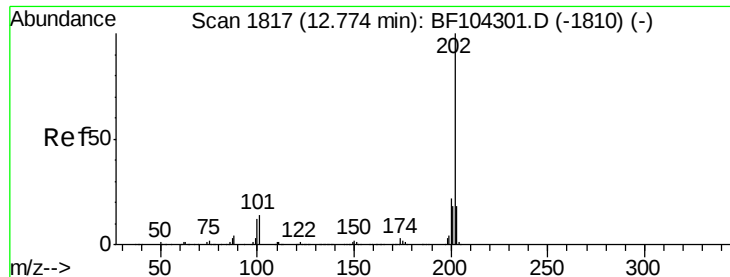
Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	26.6	9.5	14.3#
236	33.1	20.7	31.1#

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77
Pvrene
Concen: 530.155 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.07 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

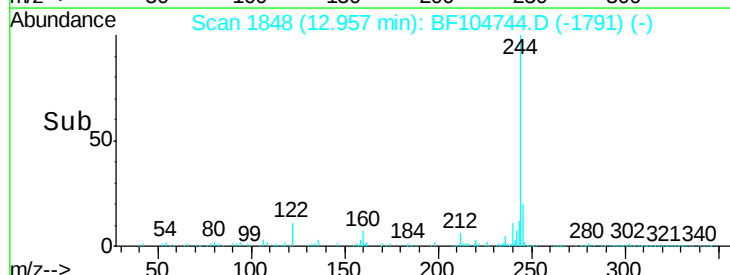
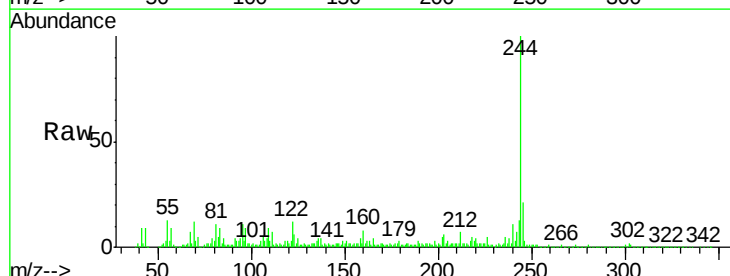
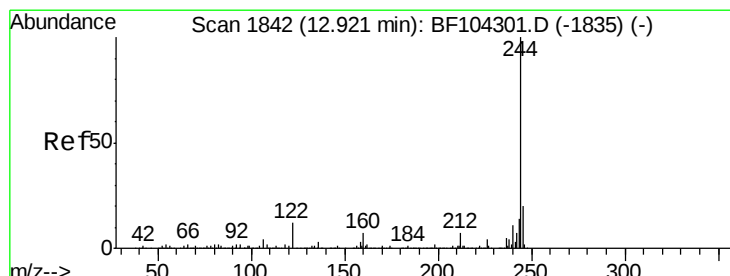
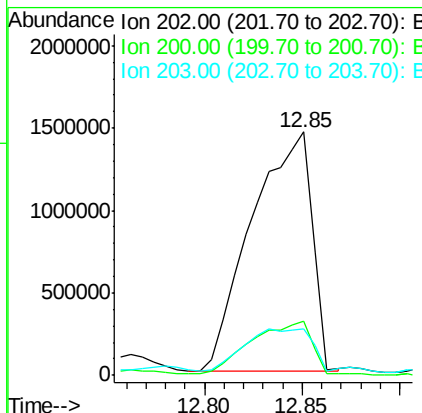
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	19.0	14.3	21.5

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

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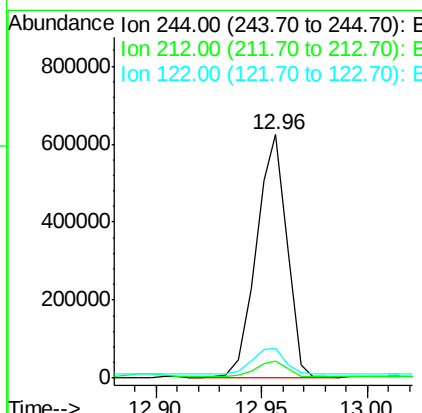
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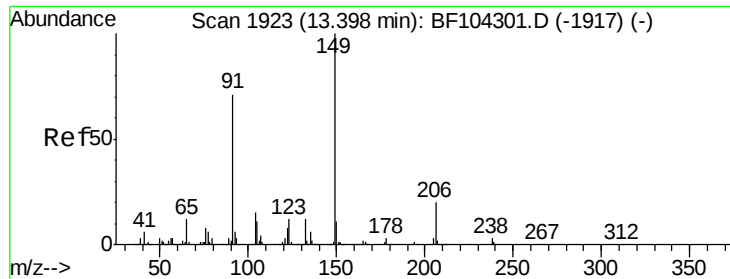
4/24/2018 3:49:18 PM



#78
Terphenyl-d14
Concen: 179.004 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.04 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.2	11.0	16.4





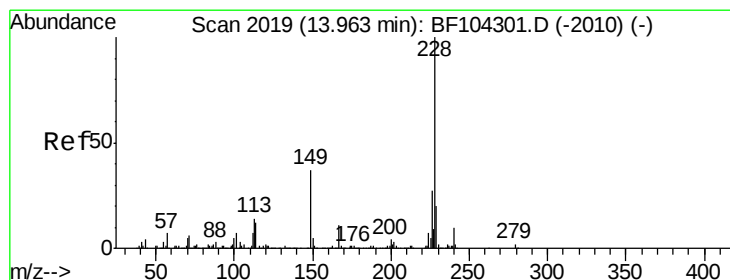
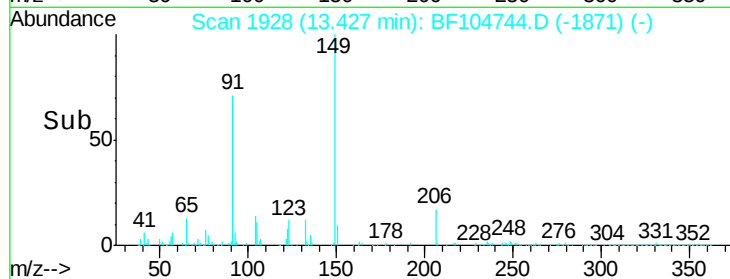
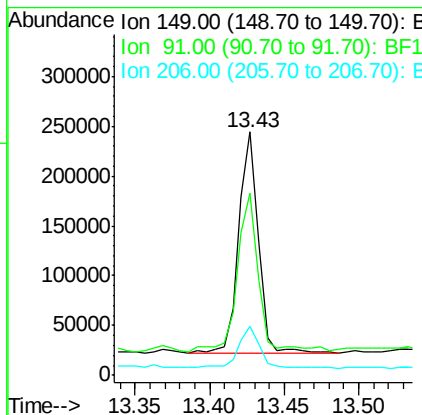
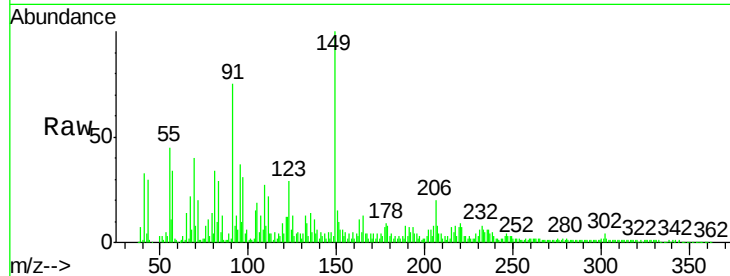
#79
Butylbenzylphthalate
Concen: 75.551 ng
RT: 13.43 min Scan# 1928
Delta R.T. 0.04 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.6	56.8	85.2
206	20.2	14.1	21.1

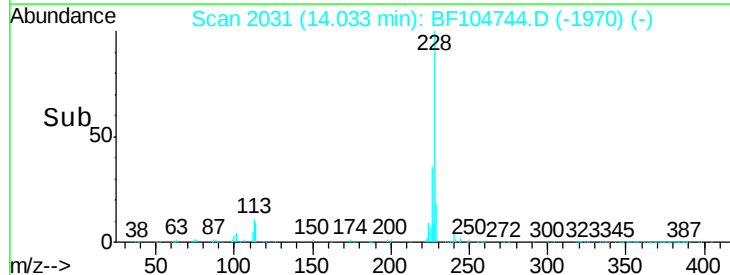
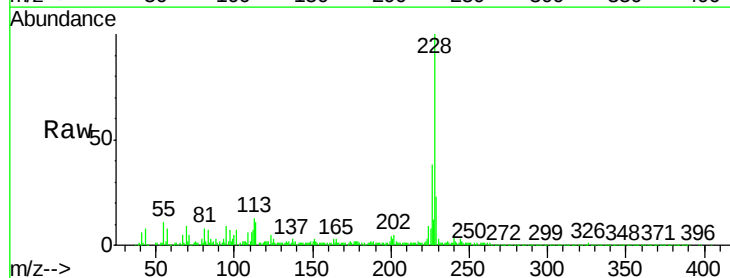
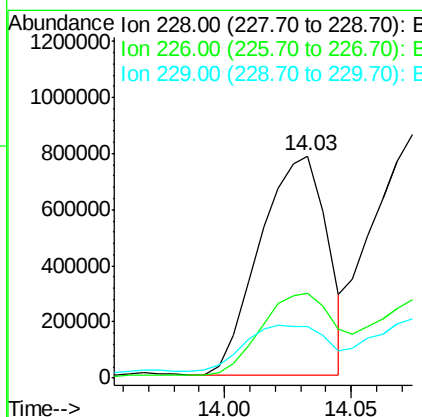
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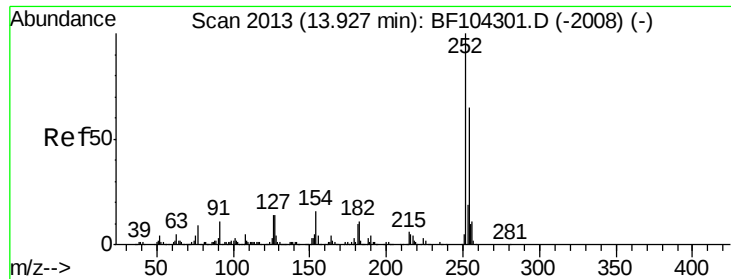
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#80
Benzo(a)anthracene
Concen: 307.038 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.06 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.3	22.6	33.8#
229	23.2	15.8	23.6





#81
 3,3'-Dichlorobenzidine
 Concen: 12.123 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.05 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

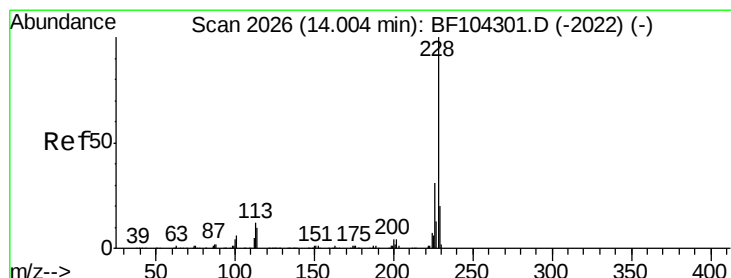
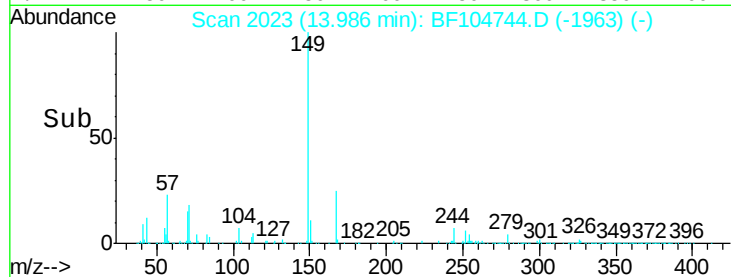
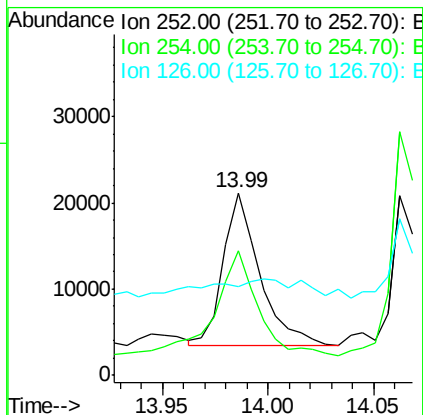
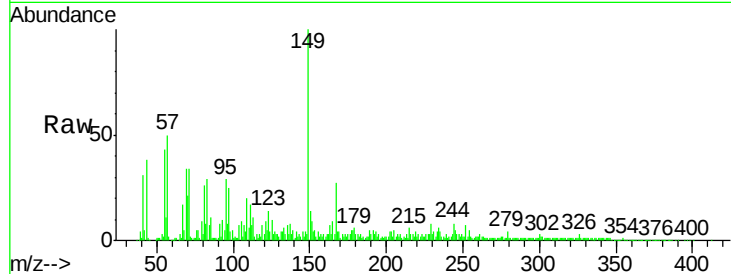
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MSD

Tot Ion:	252	Resp:	21355
Ion Ratio	Lower	Upper	
252	100		
254	68.3	50.4	75.6
126	48.6	11.3	16.9#

Manual Integrations
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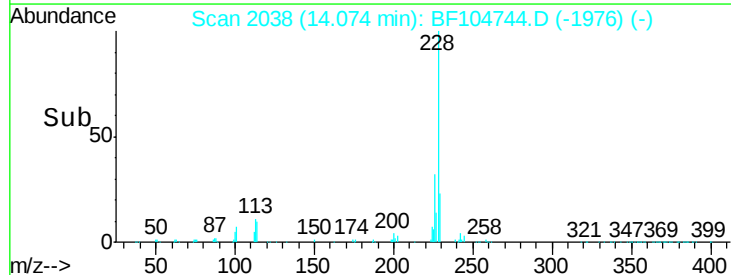
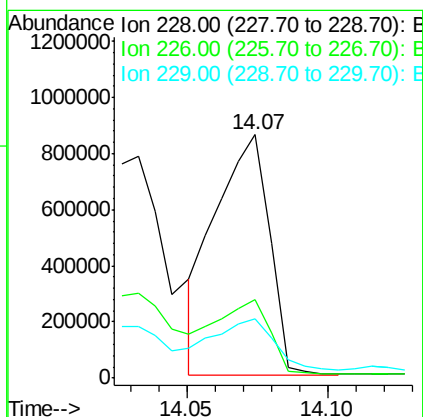
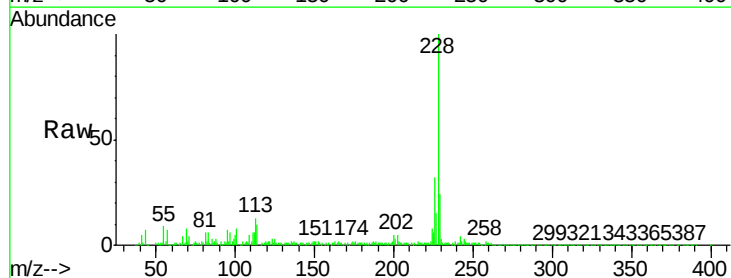
Sohil

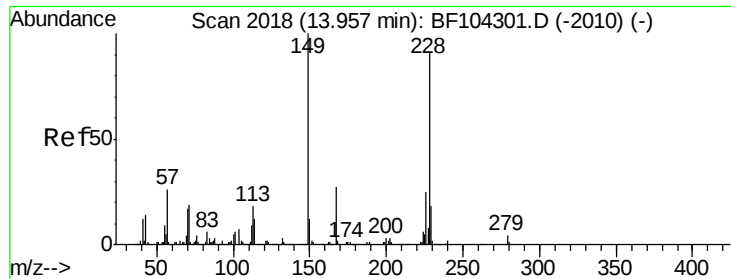
4/24/2018 3:49:18 PM



#82
 Chrysene
 Concen: 237.012 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.06 min
 Lab File: BF104744.D
 Acq: 24 Apr 2018 8:43

Tgt Ion:	228	Resp:	1150170
Ion Ratio	Lower	Upper	
228	100		
226	32.4	25.0	37.6
229	24.5	16.2	24.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 74.863 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

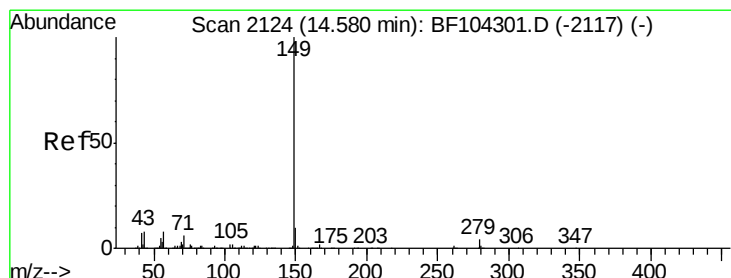
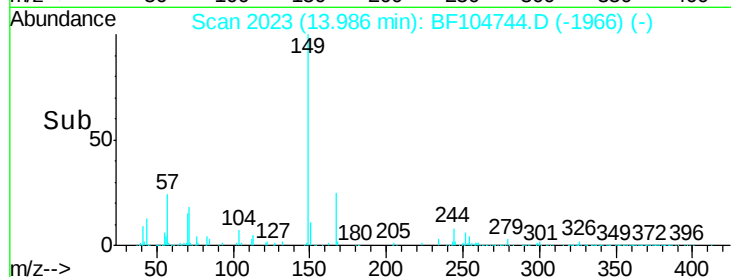
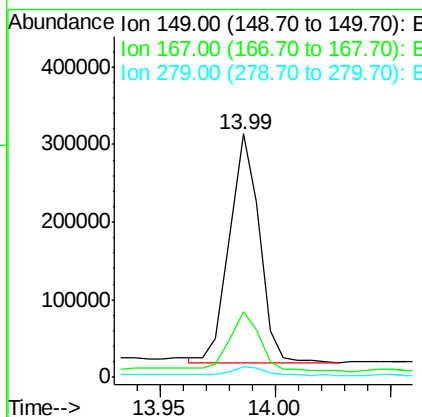
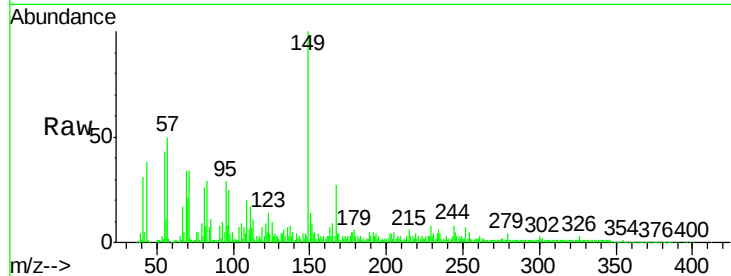
A2-SB01-BOT-4.5MSD

Tot Ion:	149	Resp:	265924
Ion Ratio	Lower	Upper	
149	100		
167	26.8	21.3	31.9
279	4.4	3.0	4.4#

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#84

Di-n-octyl phthalate

Concen: 62.301 ng

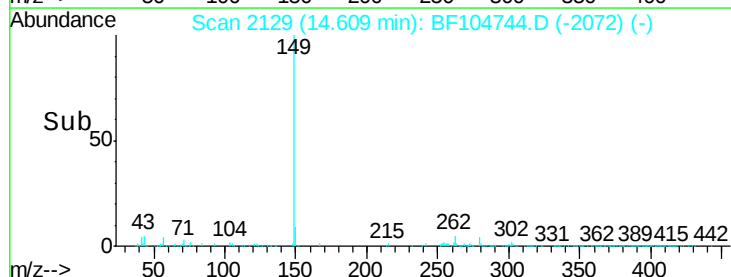
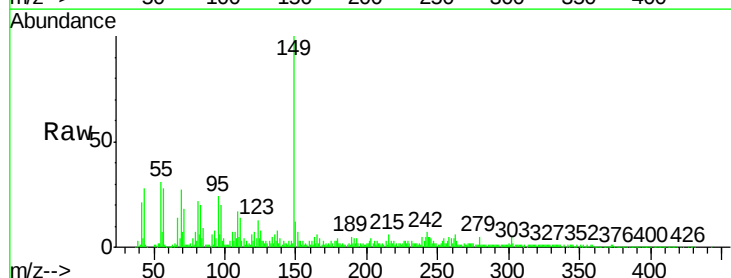
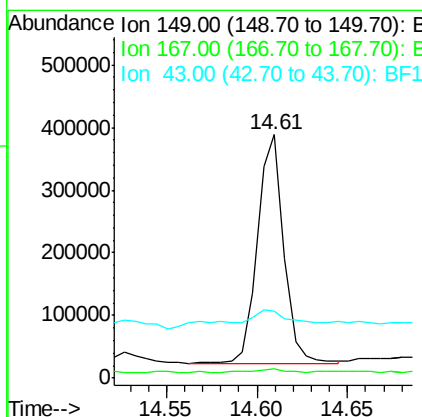
RT: 14.61 min Scan# 2129

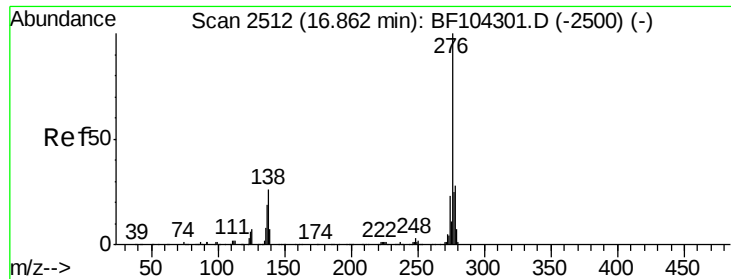
Delta R.T. 0.04 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tgt Ion:	149	Resp:	369779
Ion Ratio	Lower	Upper	
149	100		
167	2.3	1.2	1.8#
43	6.8	8.4	12.6#





#85
Indeno(1,2,3-cd)pyrene
Concen: 330.934 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.16 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

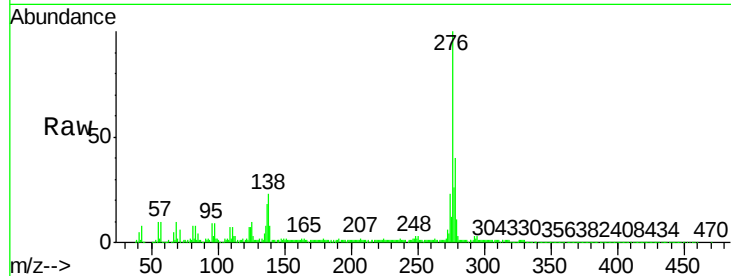
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	23.3	20.1	30.1

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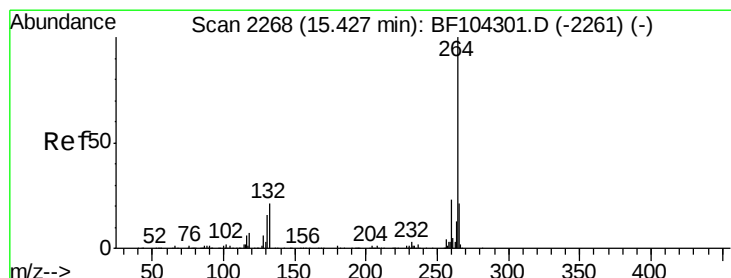
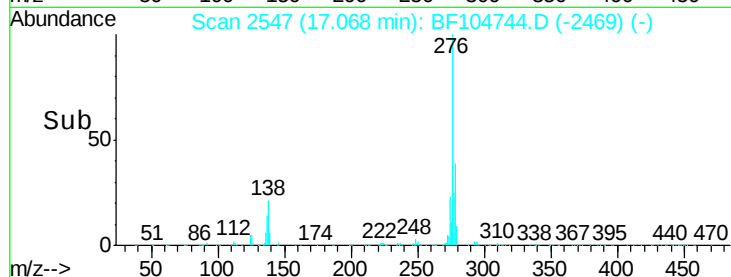
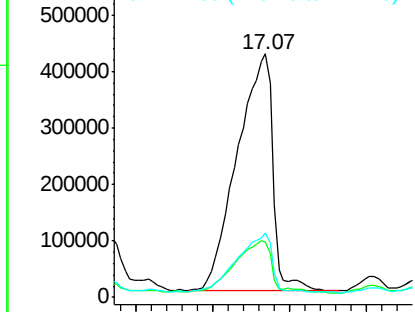


Abundance

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: 15.54 min Scan# 2287
Delta R.T. 0.09 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

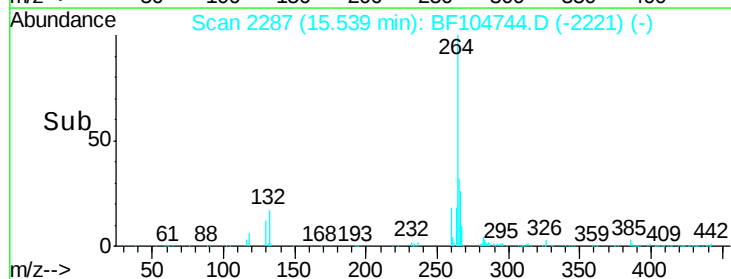
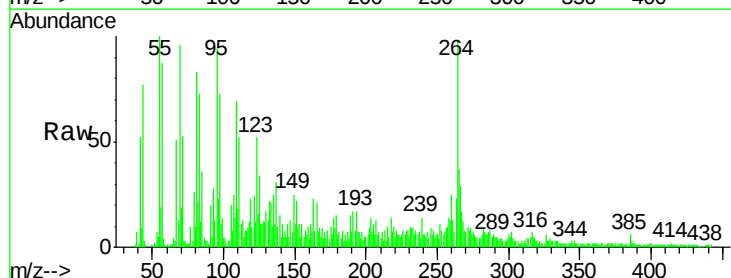
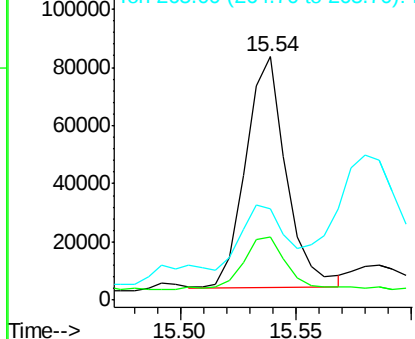
Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.2	28.8
265	37.4	17.5	26.3#

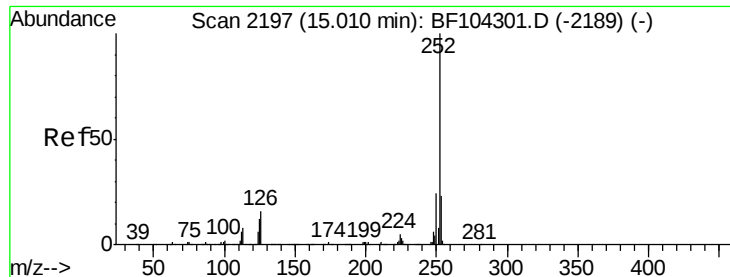
Abundance

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





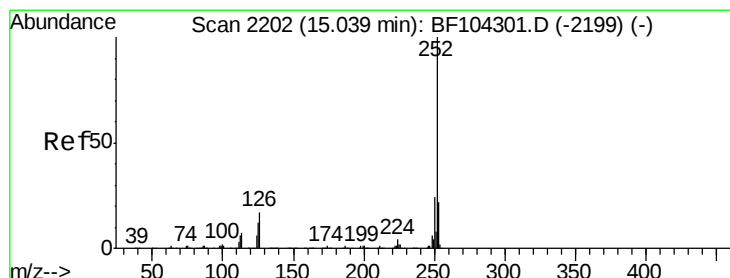
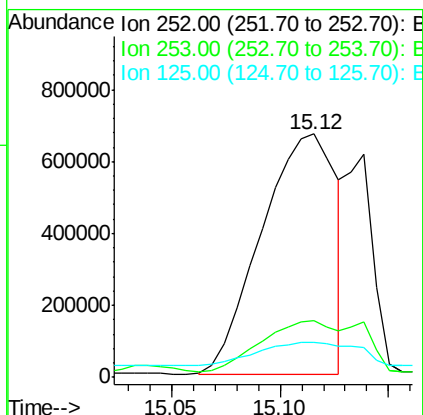
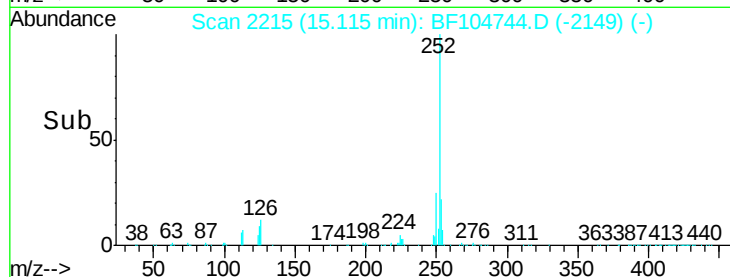
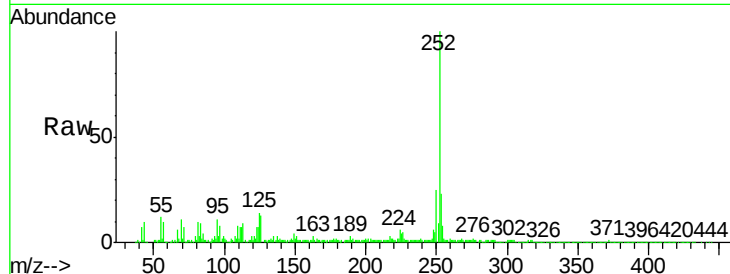
#87
Benzo(b)fluoranthene
Concen: 261.070 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.09 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MSD

Tot Ion:252 Resp: 1618749
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 14.4 9.0 13.6#

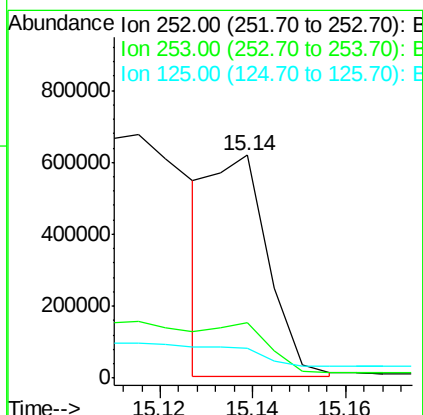
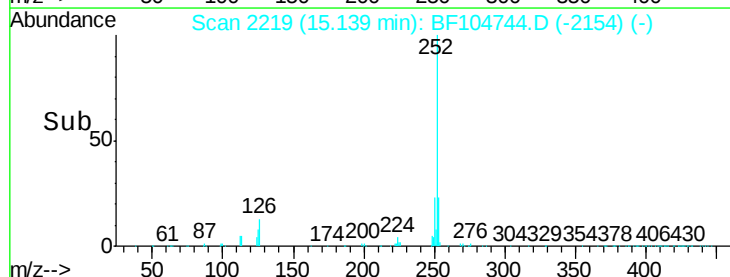
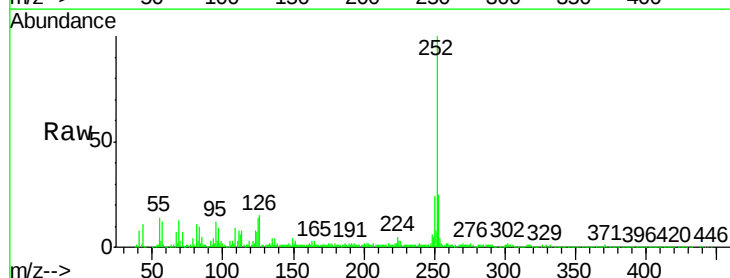
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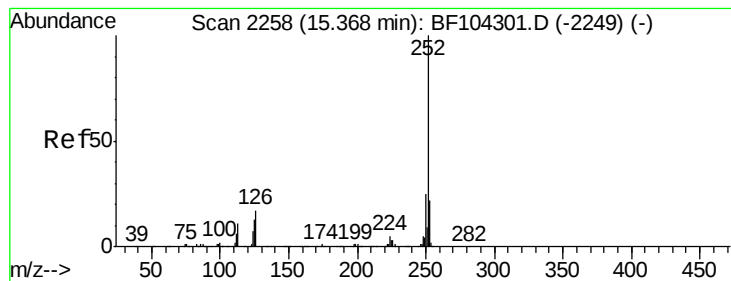
Sohil
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#88
Benzo(k)fluoranthene
Concen: 88.253 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.08 min
Lab File: BF104744.D
Acq: 24 Apr 2018 8:43

Tgt Ion:252 Resp: 516612
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 13.6 10.2 15.2





#89

Benzo(a)pyrene

Concen: 229.716 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.09 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Tot Ion:252 Resp: 1274428

Ion Ratio Lower Upper

252 100

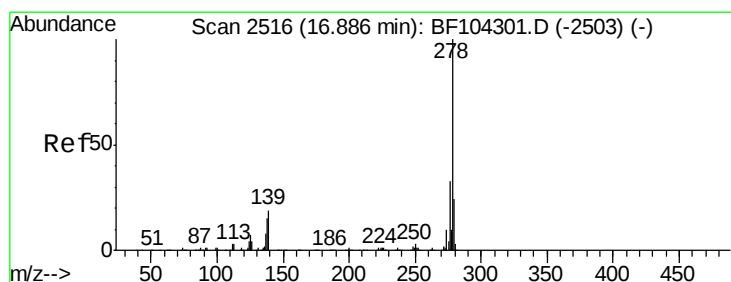
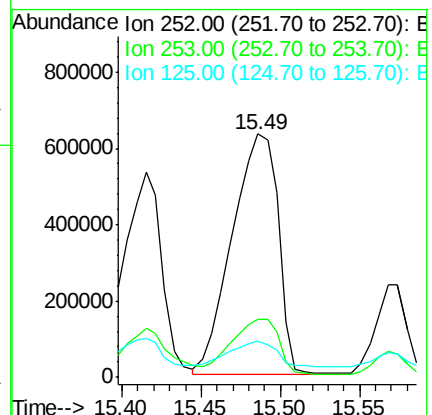
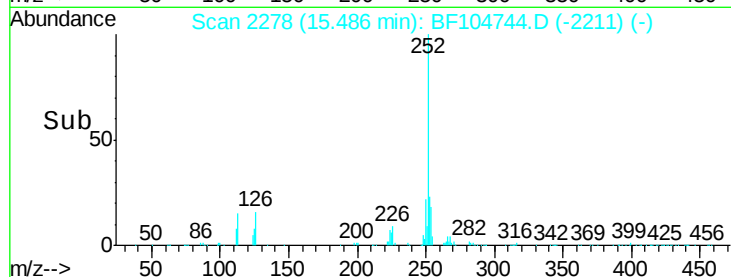
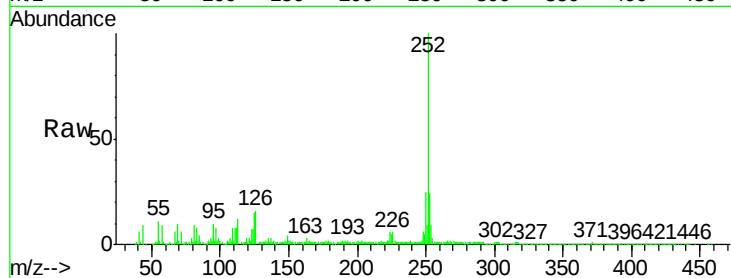
253 23.9 17.1 25.7

125 14.8 9.8 14.6#

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#90

Dibenzo(a,h)anthracene

Concen: 99.895 ng m

RT: 17.06 min Scan# 2546

Delta R.T. 0.14 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

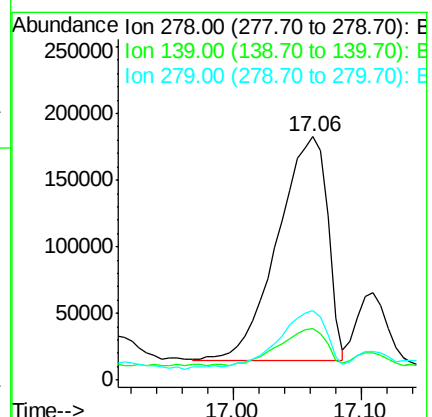
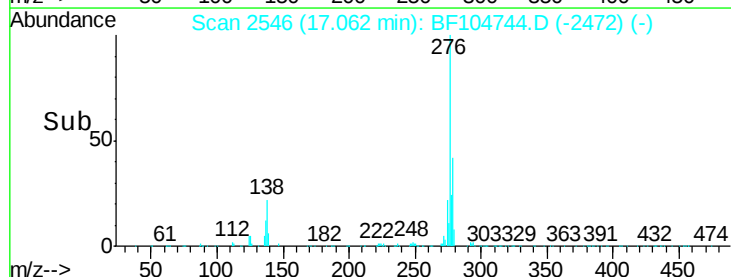
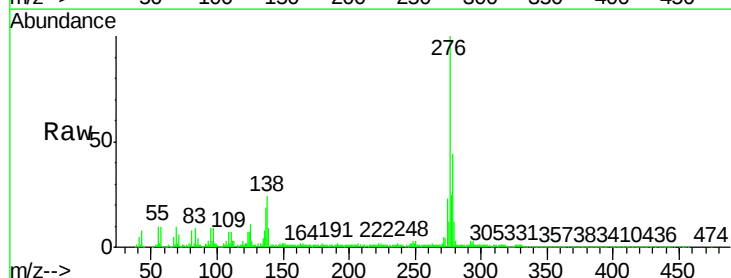
Tgt Ion:278 Resp: 455165

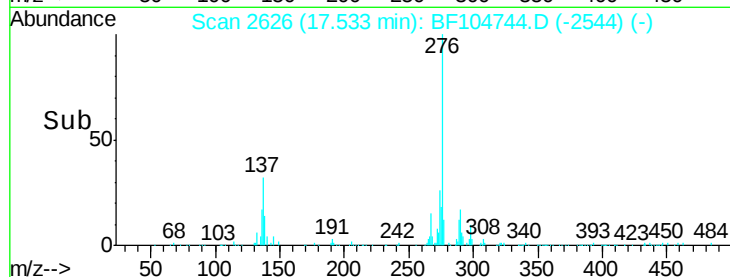
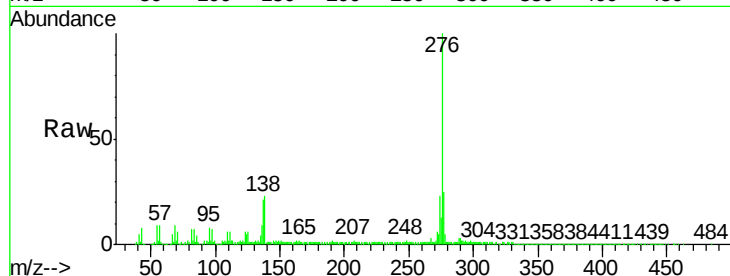
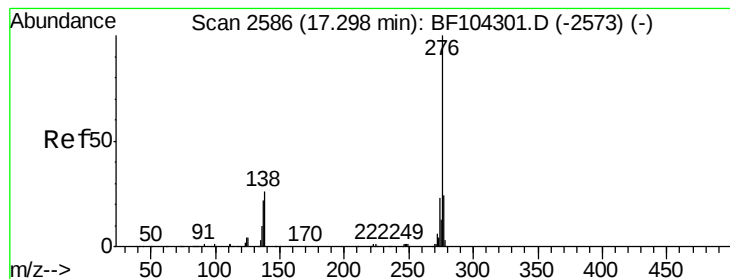
Ion Ratio Lower Upper

278 100

139 21.1 15.9 23.9

279 28.7 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 320.600 ng

RT: 17.53 min Scan# 2626

Delta R.T. 0.18 min

Lab File: BF104744.D

Acq: 24 Apr 2018 8:43

Tot Ion: 276 Resp: 1415268

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 22.8 21.8 32.8

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MSD

Manual Integrations

APPROVED

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