

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110304.D
 Acq On : 30 Oct 2018 15:47
 Operator : JU/SJ
 Sample : J5724-04MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RED-SHALEMS

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:14:59 AM

Quant Time: Oct 31 04:59:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	121282	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	488796	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	217225	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	348792	20.00	ng	0.00
76) Chrysene-d12	14.17	240	222773	20.00	ng	0.01
87) Perylene-d12	15.70	264	190845	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	696082	93.46	ng	0.01
7) Phenol-d6	6.60	99	891072	93.54	ng	0.00
23) Nitrobenzene-d5	7.54	82	561181	68.10	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	188958	87.82	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1018079	73.59	ng	0.00
79) Terphenyl-d14	13.09	244	734161	68.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	82687	21.191	ng	91
3) Pyridine	3.66	79	229645	26.423	ng	# 84
4) n-Nitrosodimethylamine	3.62	42	124173	34.102	ng	89
6) Aniline	6.63	93	241428	19.455	ng	# 54
8) 2-Chlorophenol	6.76	128	270546	31.508	ng	99
9) Benzaldehyde	6.52	77	116062	17.842	ng	96
10) Phenol	6.62	94	388785	38.181	ng	# 63
11) bis(2-Chloroethyl)ether	6.70	93	243019	29.008	ng	93
12) 1,3-Dichlorobenzene	6.91	146	282496	29.896	ng	99
13) 1,4-Dichlorobenzene	6.99	146	284877	29.809	ng	97
14) 1,2-Dichlorobenzene	7.14	146	268921	30.312	ng	99
15) Benzyl Alcohol	7.11	79	238852	32.600	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.24	45	396242	29.582	ng	69
17) 2-Methylphenol	7.22	107	221292	32.338	ng	# 82
18) Hexachloroethane	7.48	117	101792	29.093	ng	97
19) n-Nitroso-di-n-propylamine	7.38	70	183863	30.085	ng	97
20) 3+4-Methylphenols	7.37	107	279884	31.641	ng	94
22) Acetophenone	7.38	105	371426	32.978	ng	99
24) Nitrobenzene	7.56	77	275780	32.414	ng	91
25) Isophorone	7.79	82	500463	35.626	ng	98
26) 2-Nitrophenol	7.87	139	142166	35.114	ng	94
27) 2,4-Dimethylphenol	7.90	122	242084	36.064	ng	98
28) bis(2-Chloroethoxy)methane	7.99	93	321025	33.640	ng	99
29) 2,4-Dichlorophenol	8.11	162	227482	33.544	ng	99
30) 1,2,4-Trichlorobenzene	8.19	180	242862	31.971	ng	96
31) Naphthalene	8.27	128	835822	37.101	ng	99
32) Benzoic acid	7.96	122	11882m	2.290	ng	
33) 4-Chloroaniline	8.32	127	140593	13.867	ng	97
34) Hexachlorobutadiene	8.39	225	134998	32.007	ng	98
35) Caprolactam	8.69	113	69554m	29.426	ng	
36) 4-Chloro-3-methylphenol	8.80	107	239822	32.703	ng	97
37) 2-Methylnaphthalene	8.97	142	551863	37.025	ng	97
38) 1-Methylnaphthalene	9.07	142	513527	35.652	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.13	216	228190	33.715	ng	99

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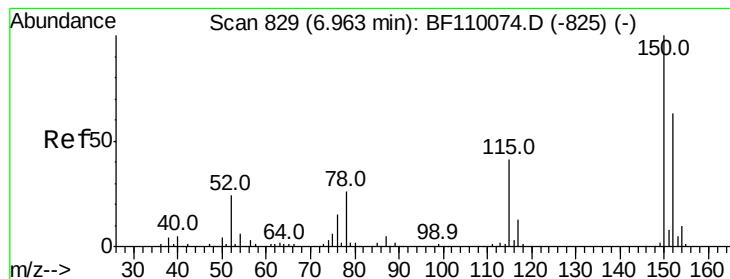
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.12	237	99312	28.696	ng	100
43) 2,4,6-Trichlorophenol	9.25	196	153291	35.114	ng	96
44) 2,4,5-Trichlorophenol	9.29	196	160274	34.733	ng	95
46) 1,1'-Biphenyl	9.43	154	643895	32.779	ng	99
47) 2-Chloronaphthalene	9.46	162	481622	33.425	ng	98
48) 2-Nitroaniline	9.56	65	147039	33.675	ng	95
49) Acenaphthylene	9.88	152	754451	36.251	ng	99
50) Dimethylphthalate	9.73	163	650752	40.583	ng	100
51) 2,6-Dinitrotoluene	9.80	165	116882	33.840	ng	94
52) Acenaphthene	10.05	154	543642	39.486	ng	99
53) 3-Nitroaniline	9.97	138	98753	24.042	ng	94
54) 2,4-Dinitrophenol	10.08	184	11544	13.051	ng	94
55) Dibenzofuran	10.22	168	739377	38.356	ng	98
56) 4-Nitrophenol	10.13	139	241676	79.498	ng	97
57) 2,4-Dinitrotoluene	10.20	165	145157	33.086	ng	93
58) Fluorene	10.57	166	665022	46.355	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.34	232	118446m	31.492	ng	
60) Diethylphthalate	10.43	149	526852	33.659	ng	100
61) 4-Chlorophenyl-phenylether	10.55	204	237832	31.425	ng	96
62) 4-Nitroaniline	10.59	138	111538	27.302	ng	94
63) Azobenzene	10.72	77	491067	31.606	ng	94
65) 4,6-Dinitro-2-methylphenol	10.62	198	19181	12.037	ng	91
66) n-Nitrosodiphenylamine	10.67	169	429237	37.519	ng	95
67) 4-Bromophenyl-phenylether	11.05	248	134237	35.481	ng	# 91
68) Hexachlorobenzene	11.12	284	130033	32.393	ng	# 88
69) Atrazine	11.20	200	128655	35.585	ng	99
70) Pentachlorophenol	11.32	266	114233	48.802	ng	97
71) Phenanthrene	11.54	178	2110796	115.657	ng	98
72) Anthracene	11.59	178	1140907	62.368	ng	100
73) Carbazole	11.74	167	724056	40.538	ng	99
74) Di-n-butylphthalate	12.06	149	728335	36.105	ng	99
75) Fluoranthene	12.74	202	2226302	120.197	ng	97
77) Benzidine	12.85	184	114751	13.290	ng	96
78) Pyrene	12.97	202	1979040	123.915	ng	99
80) Butylbenzylphthalate	13.56	149	251749	36.317	ng	98
81) Benzo(a)anthracene	14.16	228	1213439	91.851	ng	98
82) 3,3'-Dichlorobenzidine	14.11	252	130754	28.423	ng	99
83) Chrysene	14.20	228	1036096	82.572	ng	98
84) Bis(2-ethylhexyl)phthalate	14.12	149	348139	37.152	ng	96
85) Di-n-octyl phthalate	14.73	149	572323	39.279	ng	# 99
86) Indeno(1,2,3-cd)pyrene	17.29	276	609067	58.510	ng	99
88) Benzo(b)fluoranthene	15.25	252	1215325	110.278	ng	97
89) Benzo(k)fluoranthene	15.28	252	541937	50.020	ng	97
90) Benzo(a)pyrene	15.64	252	880439	86.822	ng	99
91) Dibenzo(a,h)anthracene	17.30	278	342093	39.096	ng	100
92) Benzo(g,h,i)perylene	17.77	276	524049	60.778	ng	98

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



#1

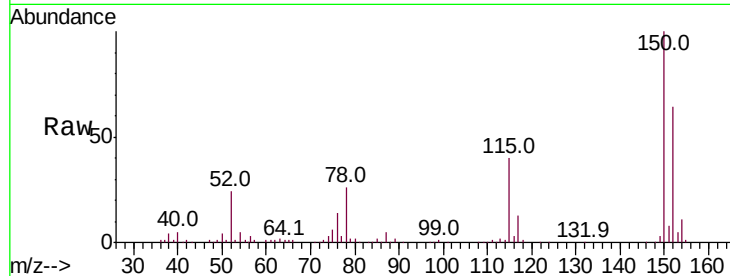
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	122.7	184.1
115	61.9	49.1	73.7

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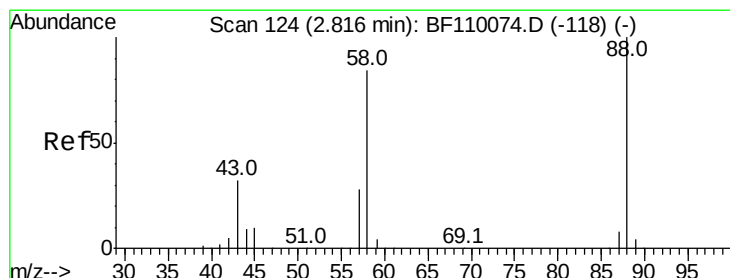
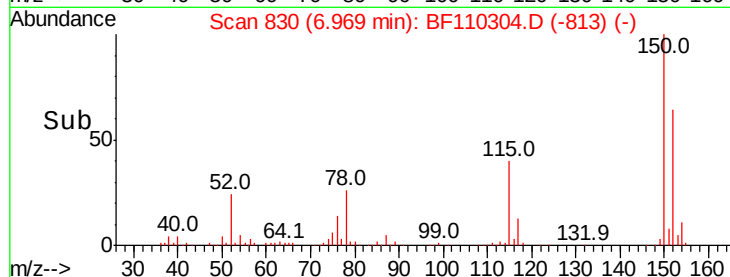
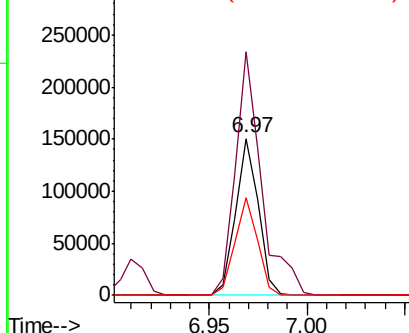


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

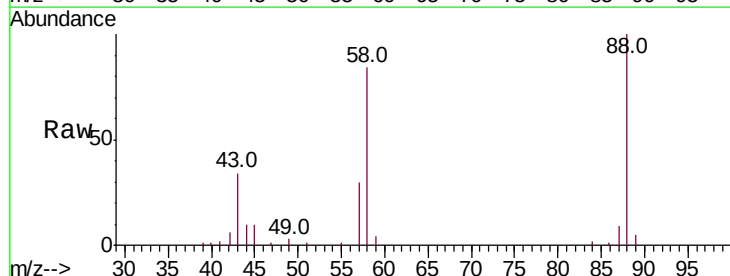
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 21.191 ng
RT: 2.89 min Scan# 137
Delta R.T. 0.08 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.3	57.1	85.7
43	31.8	24.1	36.1

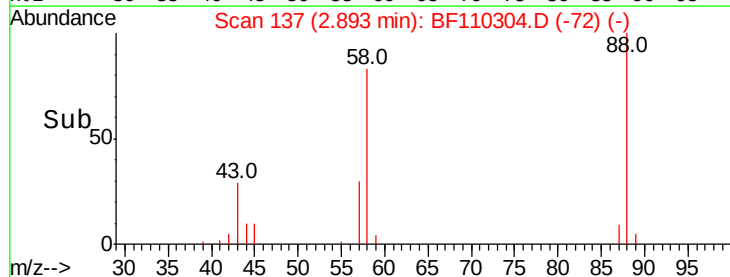
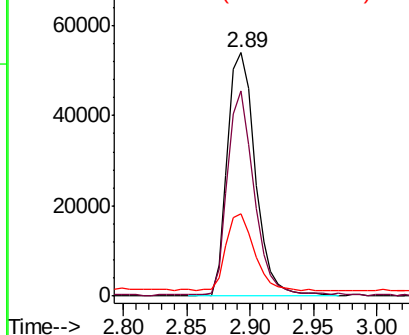


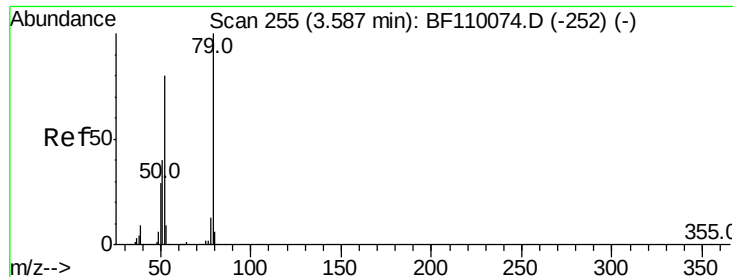
Abundance

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: 26.423 ng

RT: 3.66 min Scan# 268

Delta R.T. 0.07 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

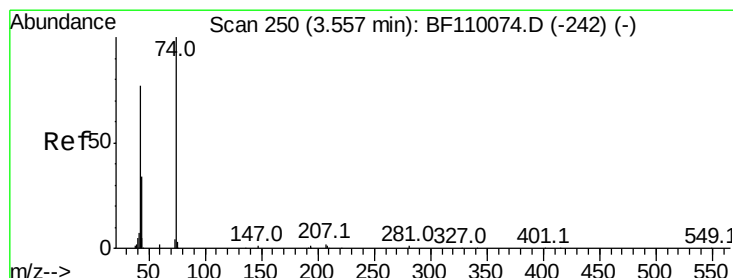
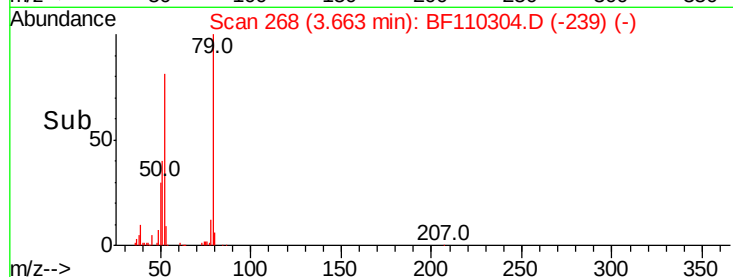
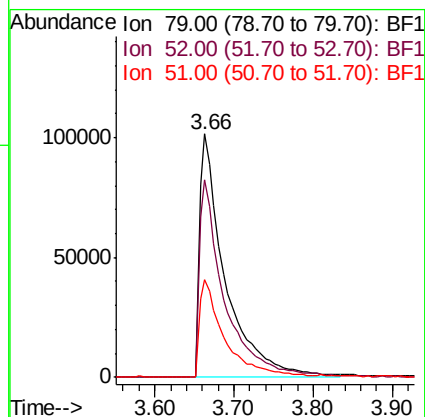
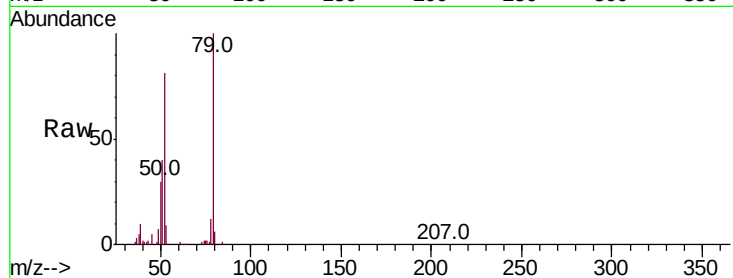
ClientSampleId :

RED-SHALEMS

Tot Ion:	79	Resp:	229645
Ion Ratio	Lower	Upper	
79	100		
52	81.2	53.1	79.7#
51	40.3	27.4	41.2

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#4

n-Nitrosodimethylamine

Concen: 34.102 ng

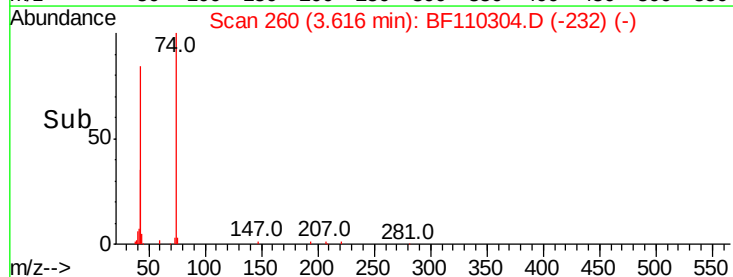
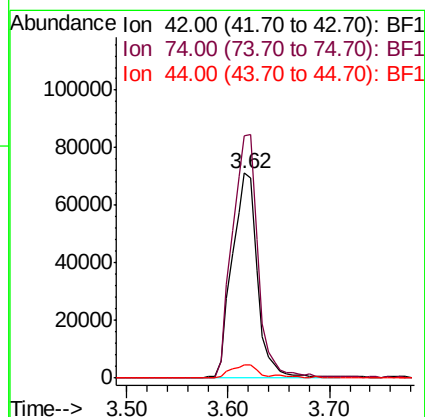
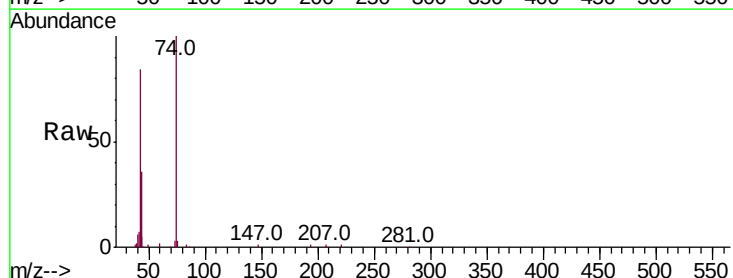
RT: 3.62 min Scan# 260

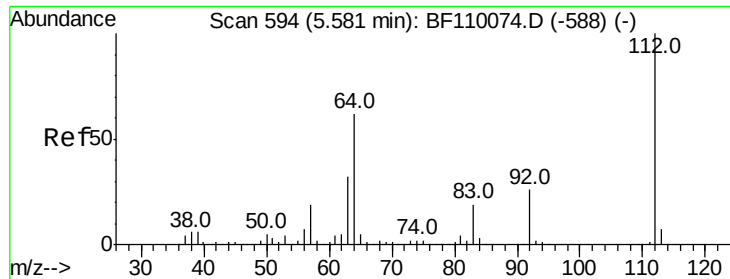
Delta R.T. 0.06 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion:	42	Resp:	124173
Ion Ratio	Lower	Upper	
42	100		
74	118.4	105.5	158.3
44	6.5	4.9	7.3





#5

2-Fluorophenol

Concen: 93.463 ng

RT: 5.60 min Scan# 597

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

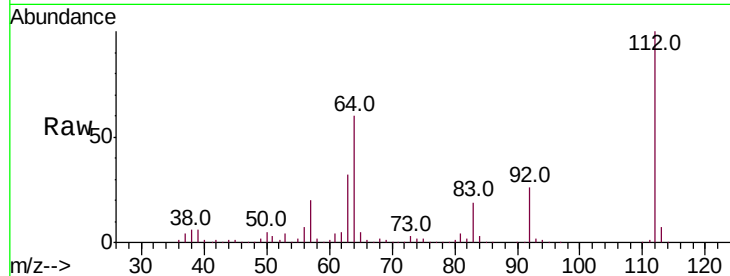
ClientSampleId :

RED-SHALEMS

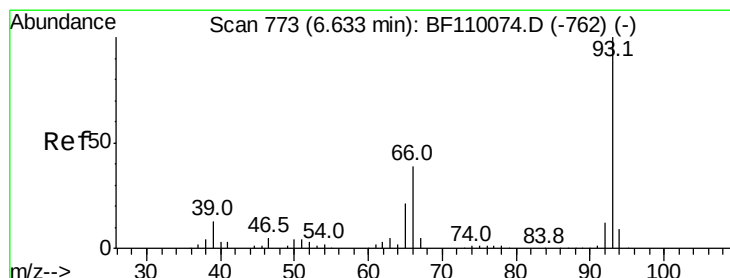
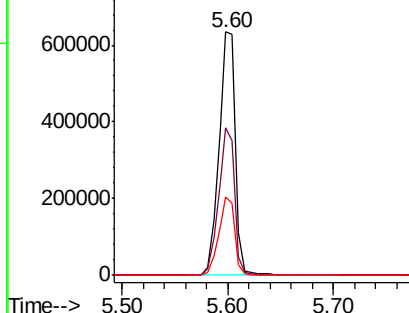
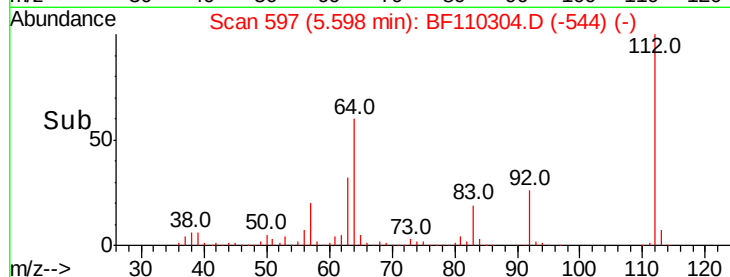
Tot Ion:	112	Resp:	696082
Ion Ratio	Lower	Upper	
112	100		
64	60.4	44.1	66.1
63	32.5	23.7	35.5

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.455 ng

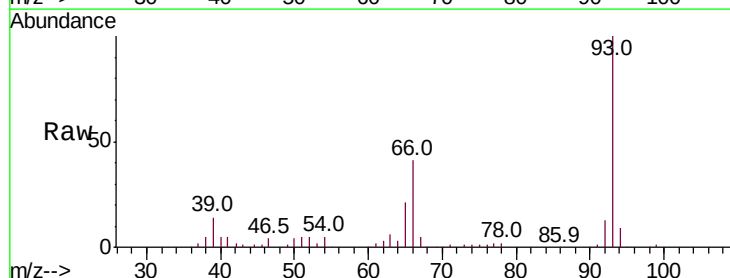
RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

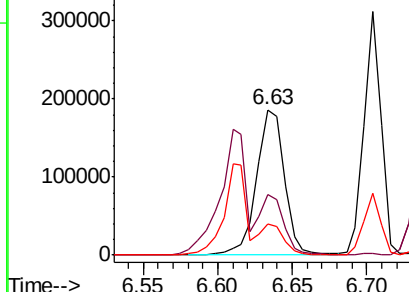
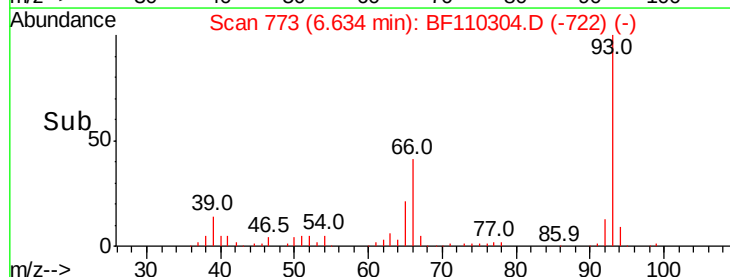
Lab File: BF110304.D

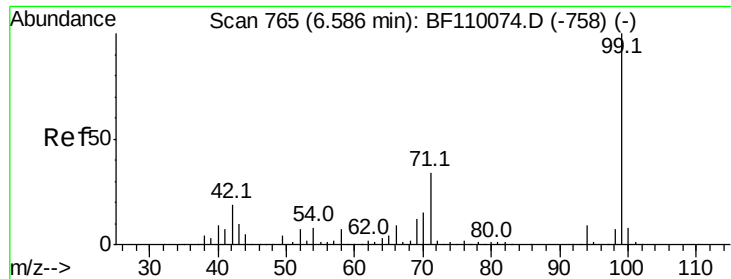
Acq: 30 Oct 2018 15:47

Tgt Ion:	93	Resp:	241428
Ion Ratio	Lower	Upper	
93	100		
66	41.4	67.4	101.0#
65	21.2	41.0	61.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 93.539 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 891072

Ion Ratio Lower Upper

99 100

42 19.7 15.8 23.6

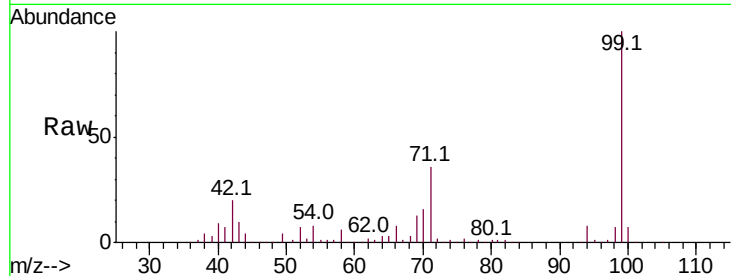
71 36.4 28.0 42.0

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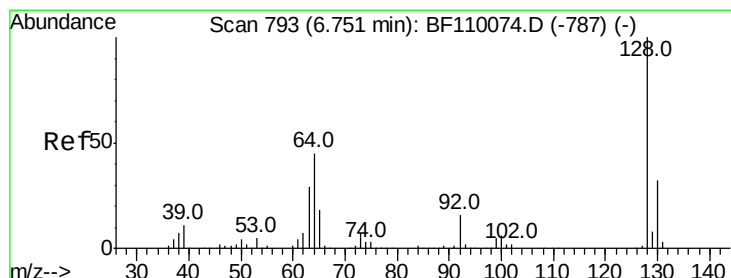
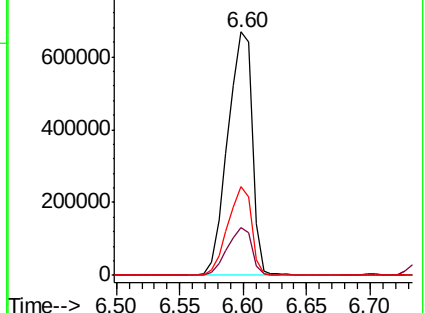
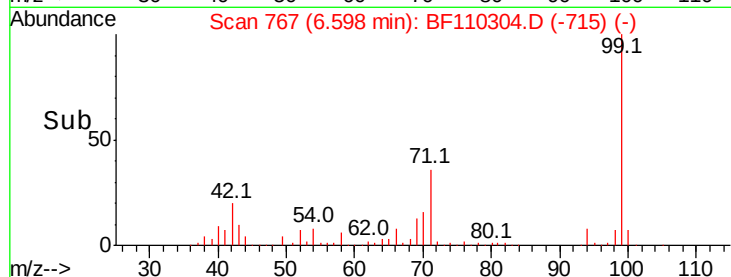
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 31.508 ng

RT: 6.76 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

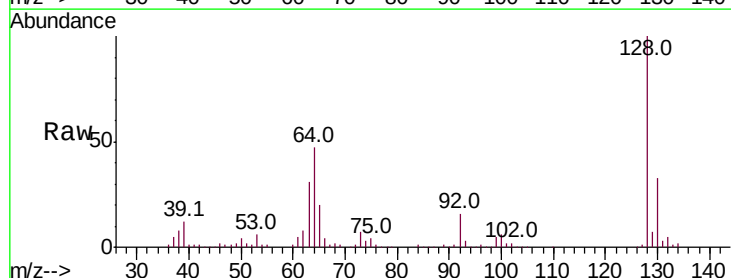
Tgt Ion:128 Resp: 270546

Ion Ratio Lower Upper

128 100

130 32.7 13.1 53.1

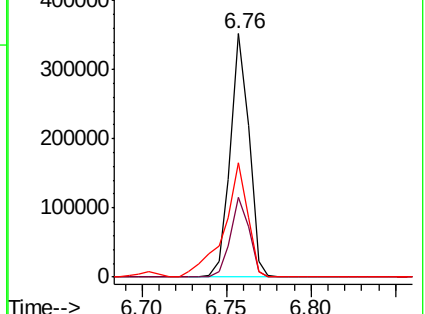
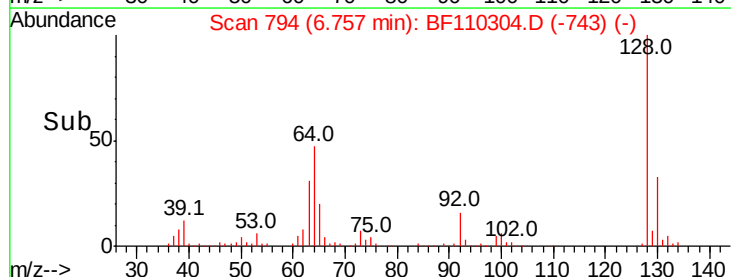
64 46.8 26.0 66.0

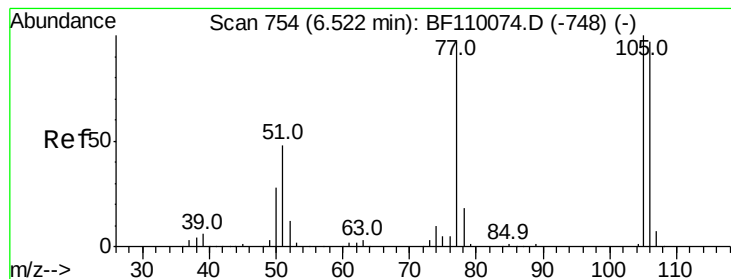


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 17.842 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

ClientSampleId :

RED-SHALEMS

Tot Ion: 77 Resp: 116062

Ion Ratio Lower Upper

77 100

105 102.9 78.6 118.6

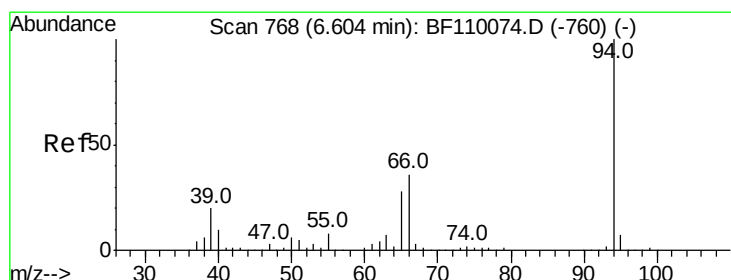
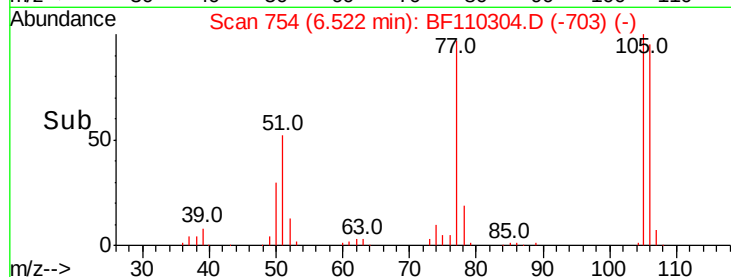
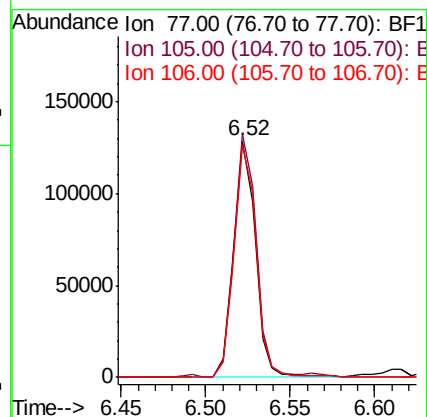
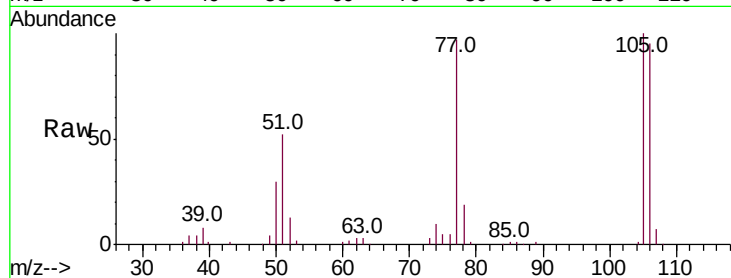
106 98.0 74.8 114.8

Manual Integrations

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#10

Phenol

Concen: 38.181 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

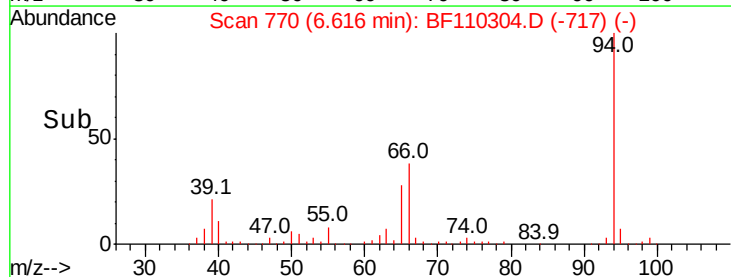
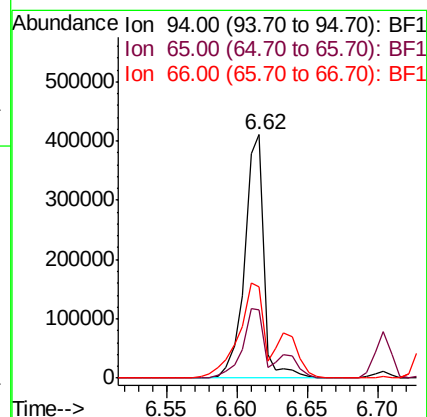
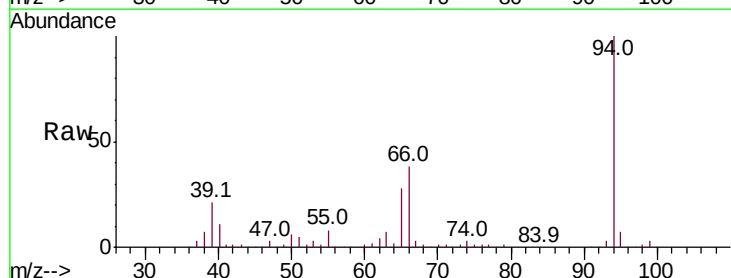
Tgt Ion: 94 Resp: 388785

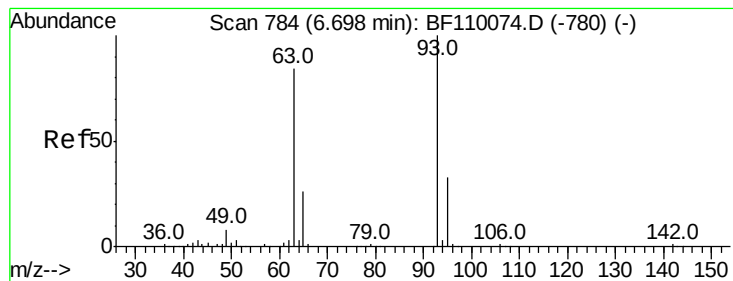
Ion Ratio Lower Upper

94 100

65 28.3 25.3 65.3

66 37.5 54.5 94.5#





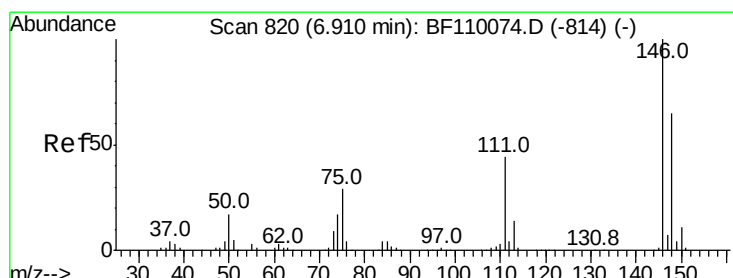
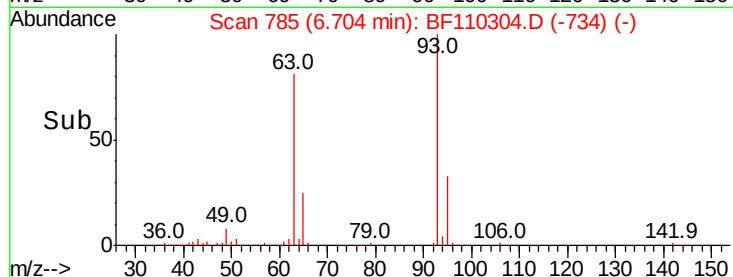
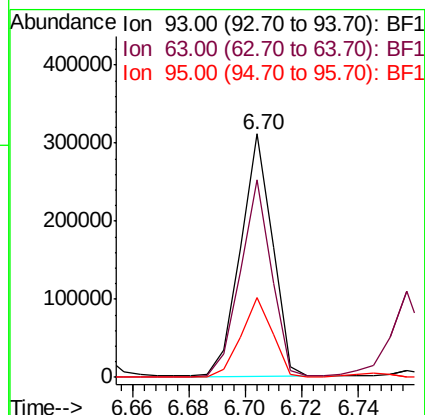
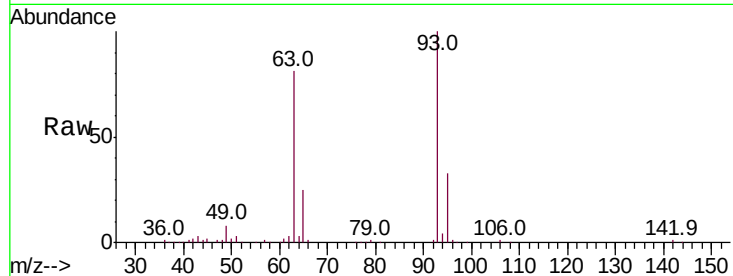
#11
bis(2-Chloroethyl)ether
Concen: 29.008 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	81.2	53.4	93.4
95	33.0	12.1	52.1

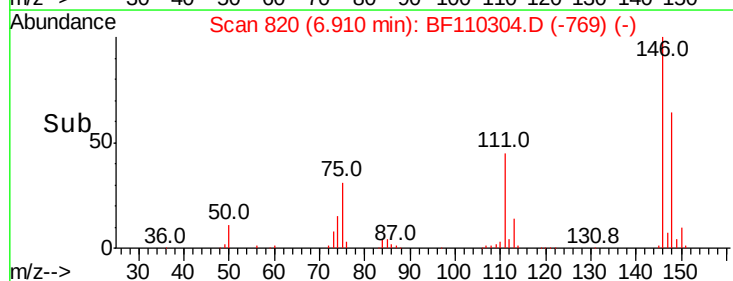
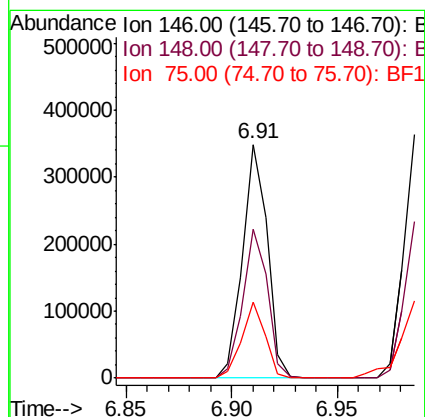
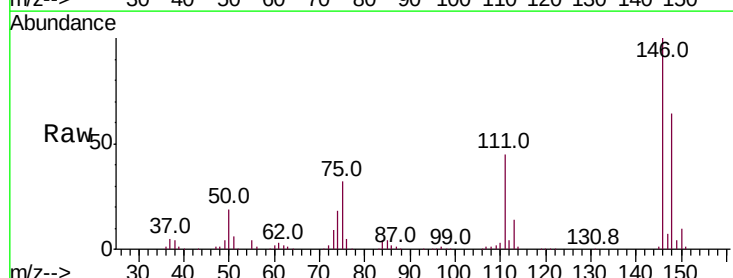
Manual Integrations
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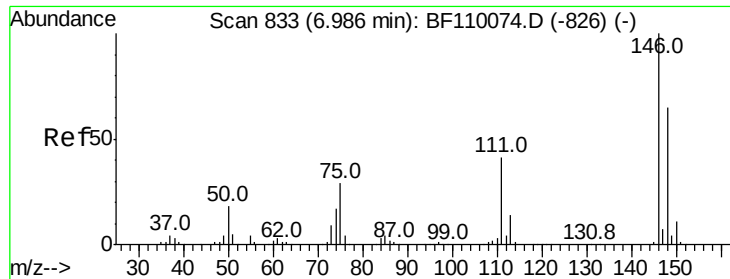
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#12
1,3-Dichlorobenzene
Concen: 29.896 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
75	32.3	25.8	38.6





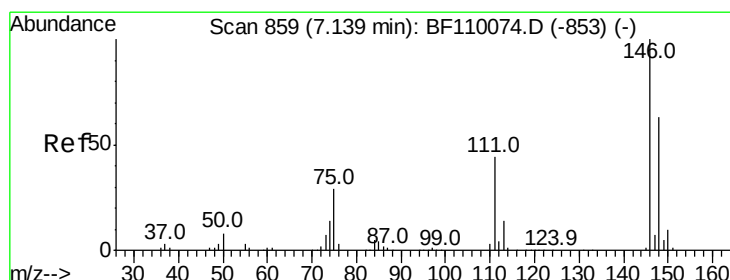
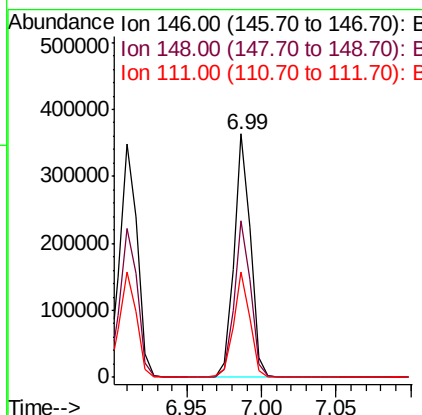
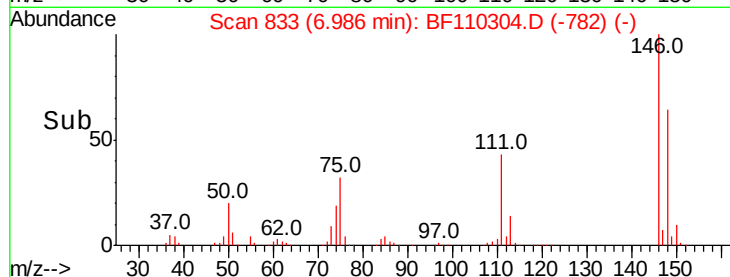
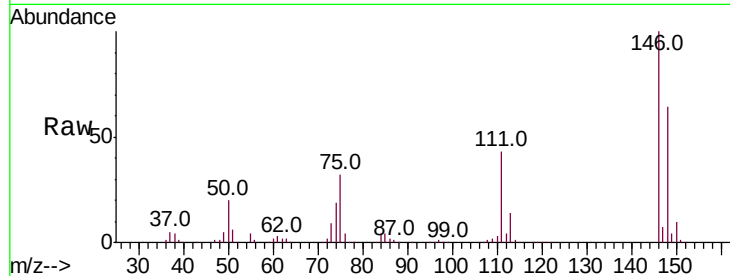
#13
 1,4-Dichlorobenzene
 Concen: 29.809 ng
 RT: 6.99 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :
 RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.3	75.5
111	43.1	32.7	49.1

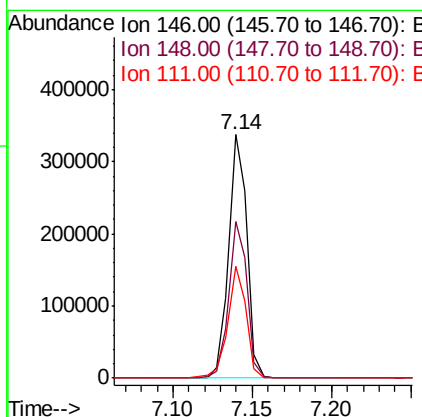
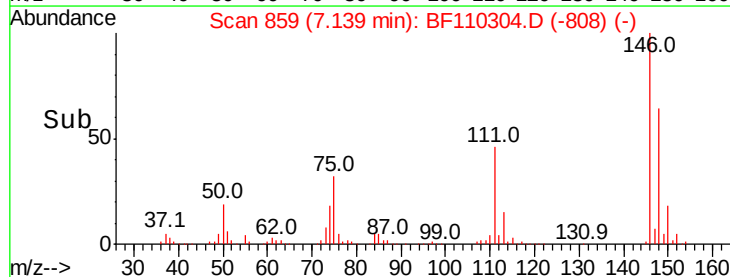
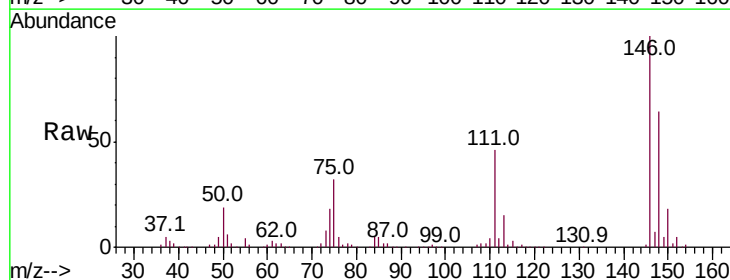
Manual Integrations
 APPROVED

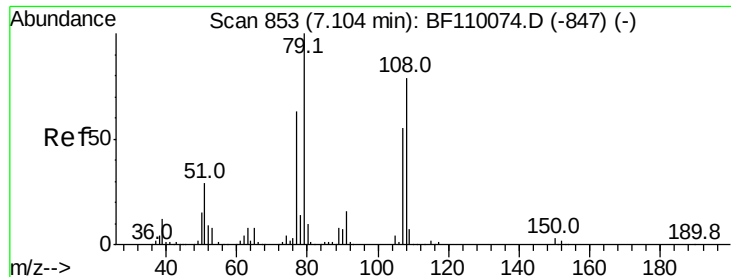
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 30.312 ng
 RT: 7.14 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	46.0	35.8	53.6





#15

Benzyl Alcohol

Concen: 32.600 ng

RT: 7.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

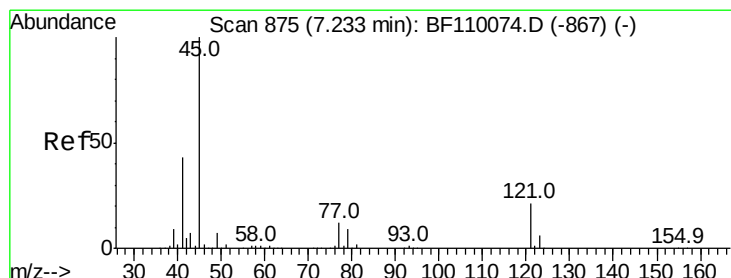
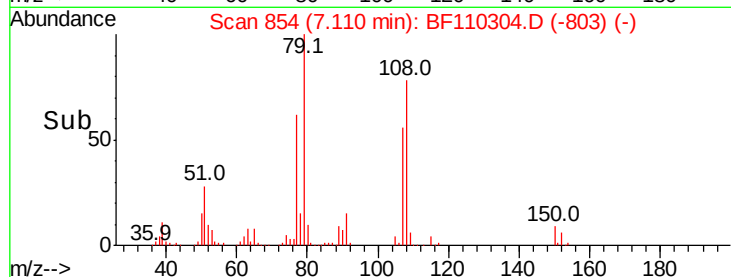
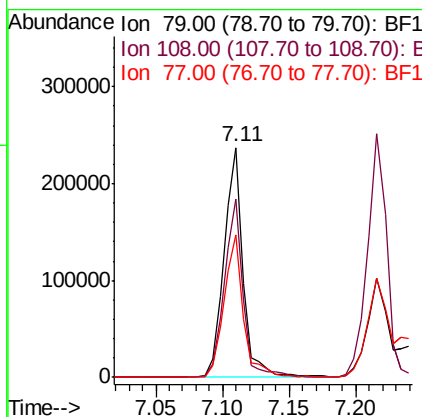
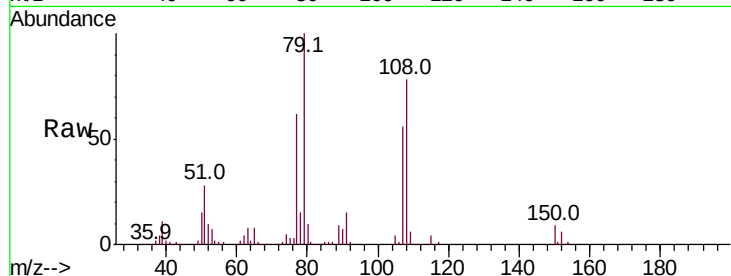
ClientSampleId :

RED-SHALEMS

Tot Ion:	79	Resp:	238852
Ion Ratio	Lower	Upper	
79	100		
108	77.6	56.3	84.5
77	61.7	52.9	79.3

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 29.582 ng

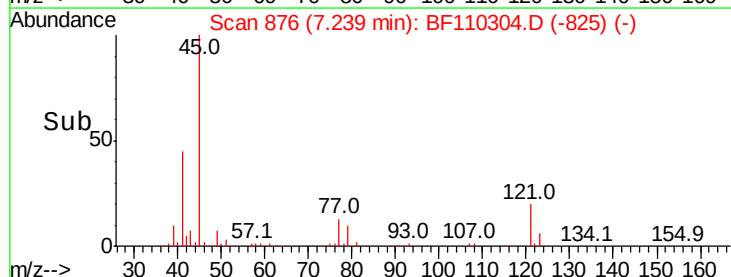
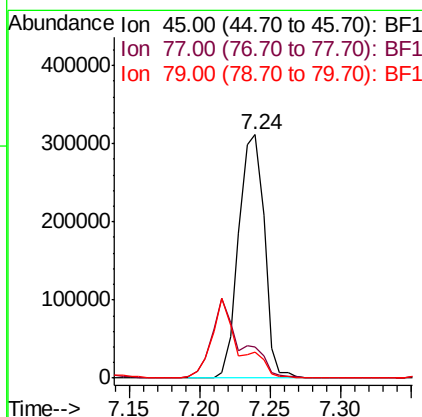
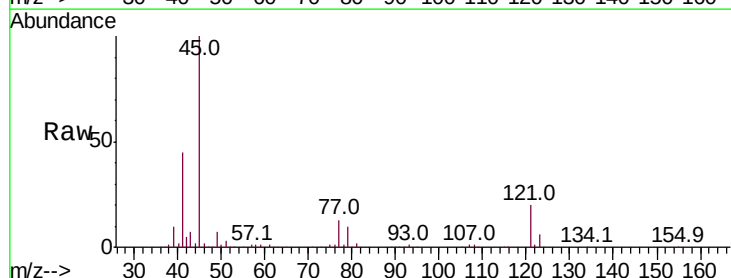
RT: 7.24 min Scan# 876

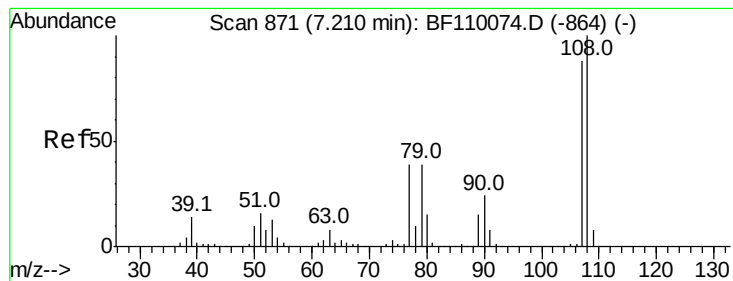
Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion:	45	Resp:	396242
Ion Ratio	Lower	Upper	
45	100		
77	12.9	10.0	50.0
79	10.5	6.1	46.1





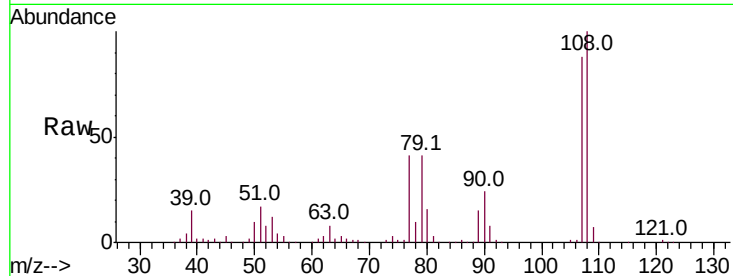
#17
2-Methylphenol
Concen: 32.338 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.1	92.6	138.8	
77	45.8	59.4	89.2#	
79	46.2	54.0	81.0#	

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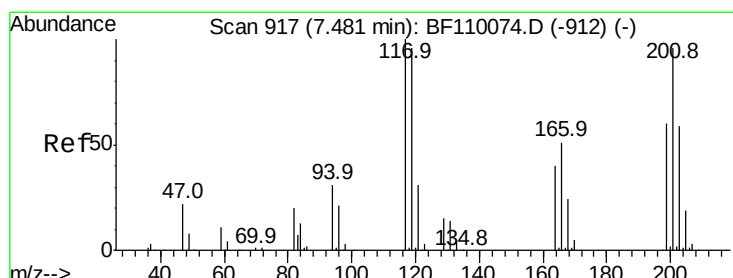
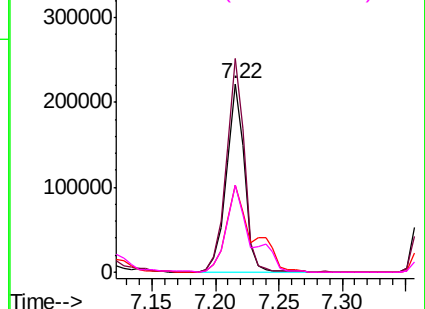
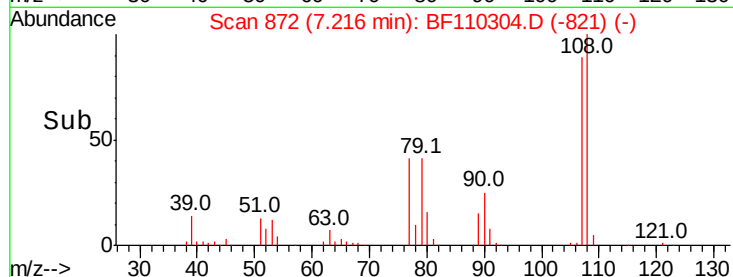
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

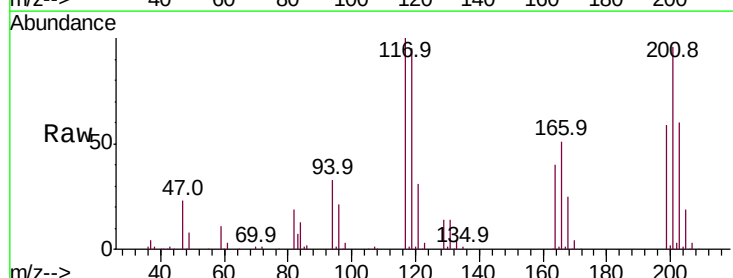
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 29.093 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.4	75.0	112.6	
201	95.6	79.2	118.8	

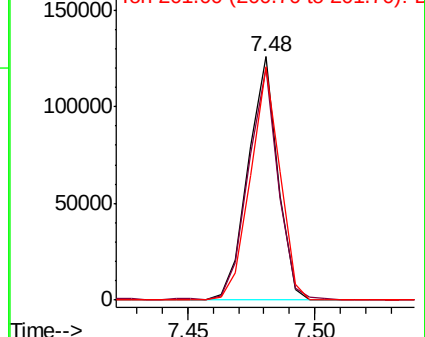
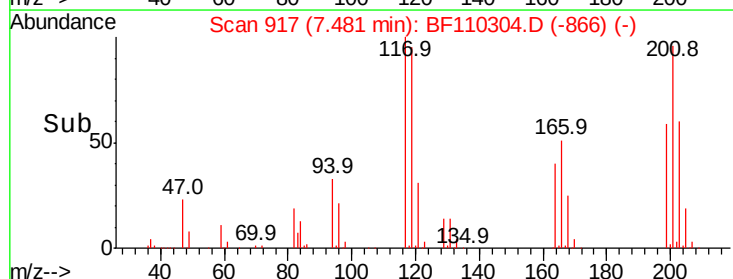


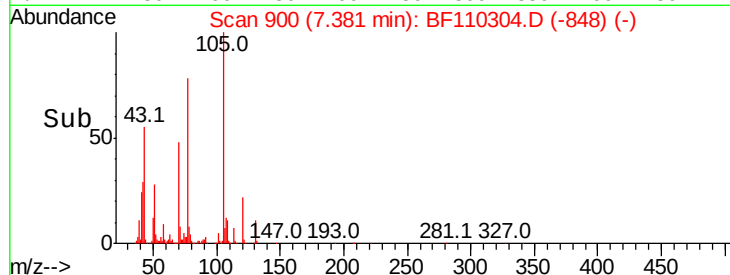
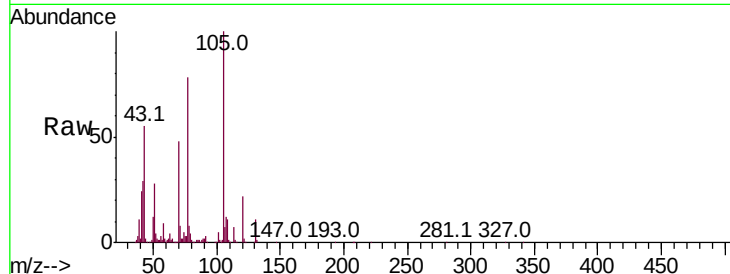
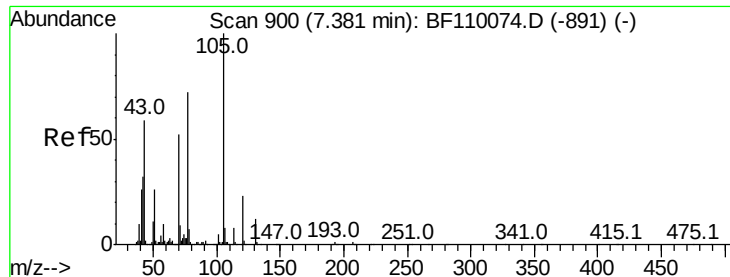
Abundance

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





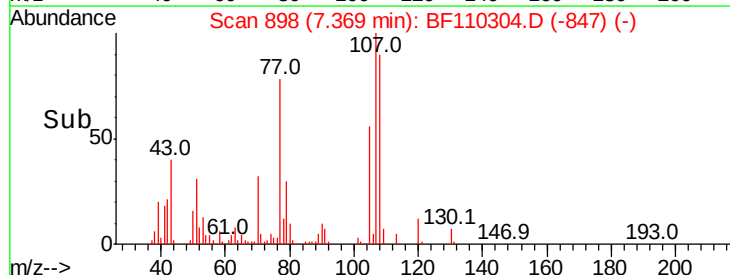
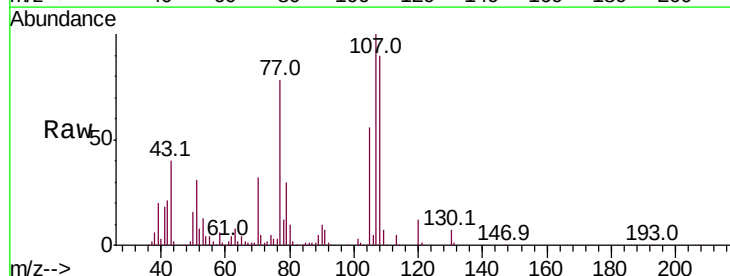
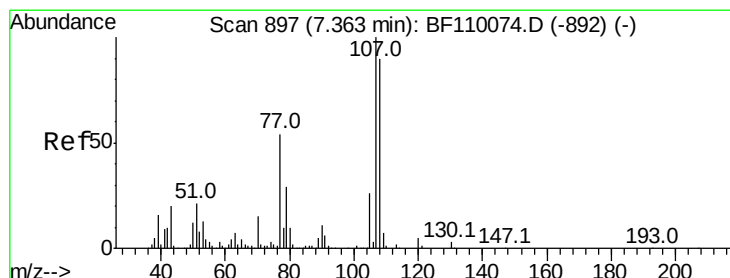
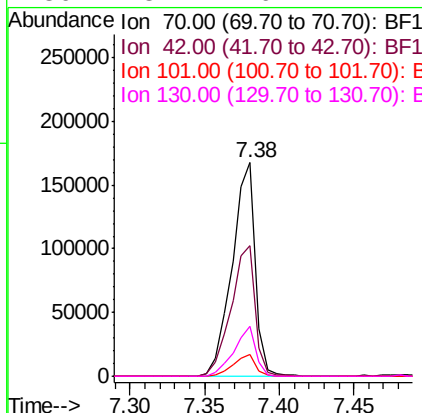
#19
n-Nitroso-di-n-propylamine
Concen: 30.085 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.1	47.4	71.2
101	10.5	7.3	10.9
130	23.2	16.2	24.2

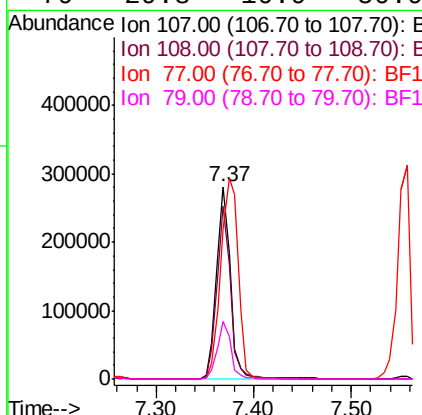
Manual Integrations
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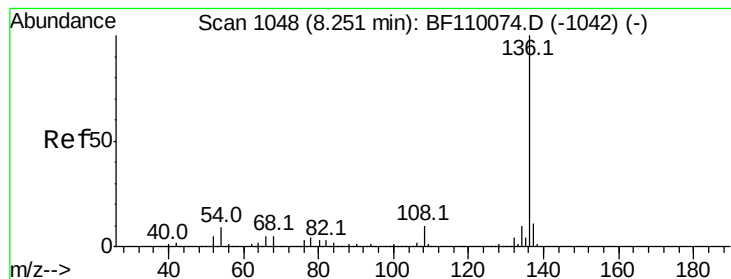
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#20
3+4-Methylphenols
Concen: 31.641 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.9	71.4	111.4
77	77.9	47.3	87.3
79	29.8	10.9	50.9





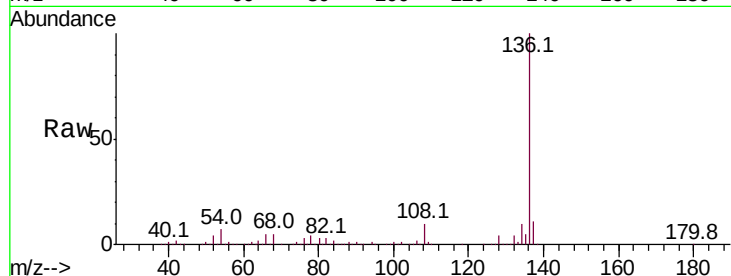
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	488796		
137	10.6		8.8	13.2
54	6.9		5.4	8.2
68	5.0		4.2	6.2

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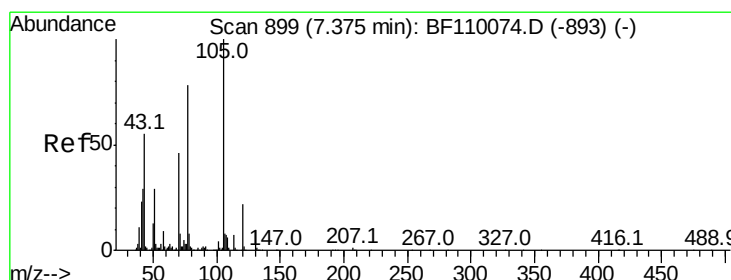
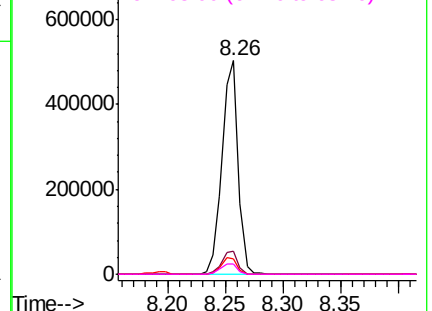
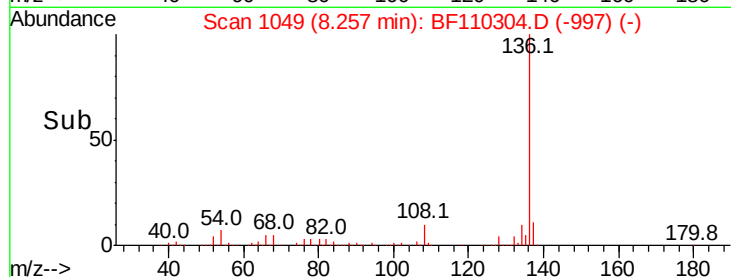
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

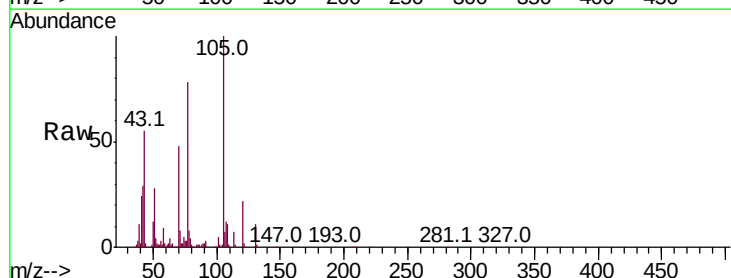
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 32.978 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	371426		
71	7.5		5.2	7.8
51	27.7		21.8	32.8
120	21.7		17.0	25.4



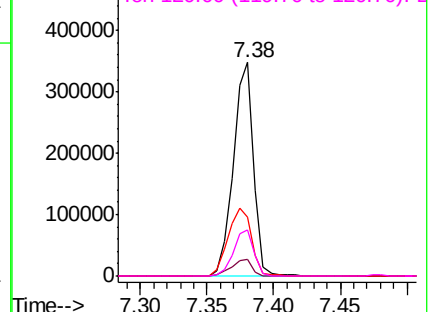
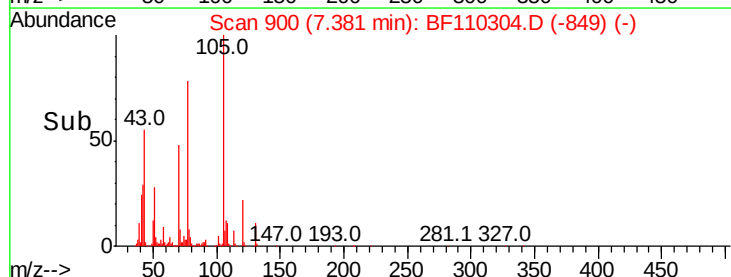
Abundance

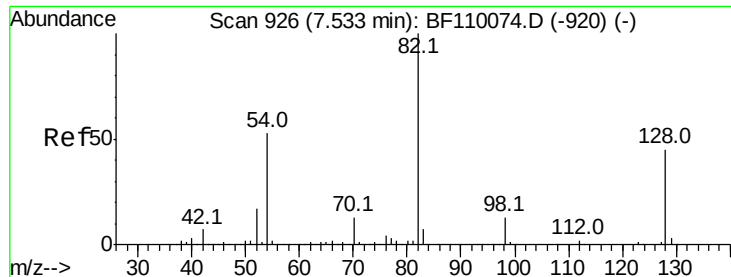
Ion 105.00 (104.70 to 105.70): E

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





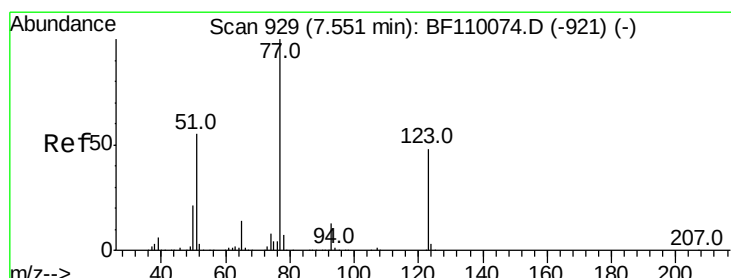
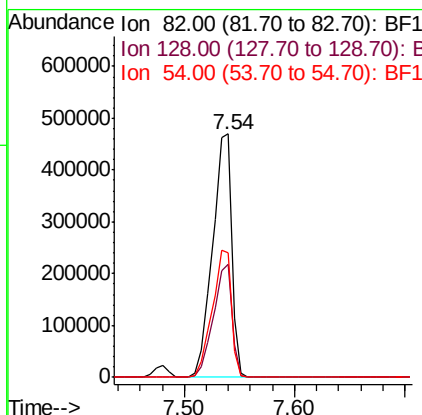
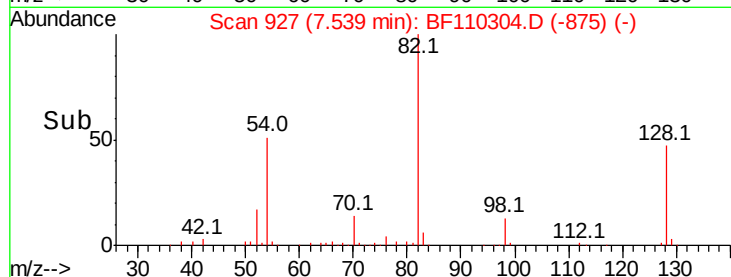
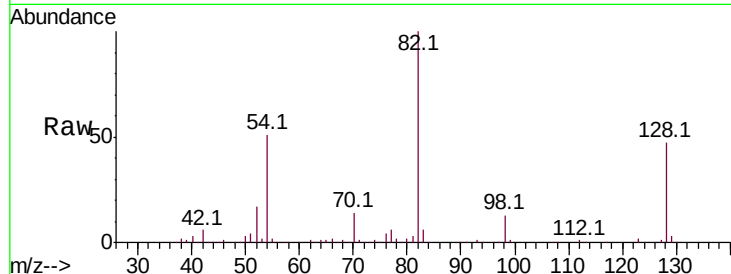
#23
 Nitrobenzene-d5
 Concen: 68.097 ng
 RT: 7.54 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :
 RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.2	51.2
54	51.1	38.6	58.0

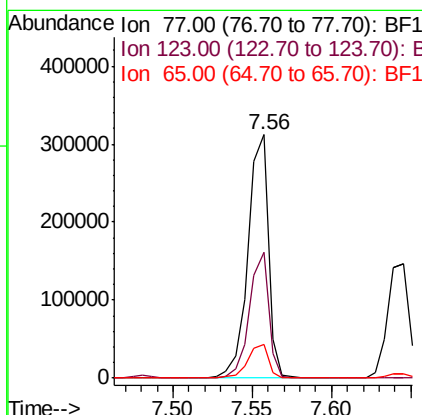
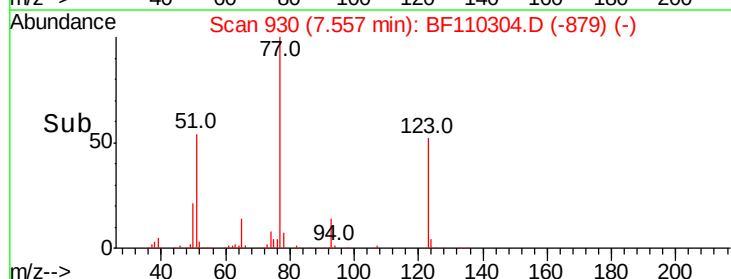
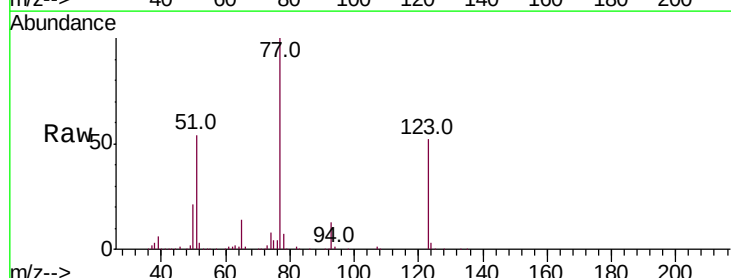
Manual Integrations
 APPROVED

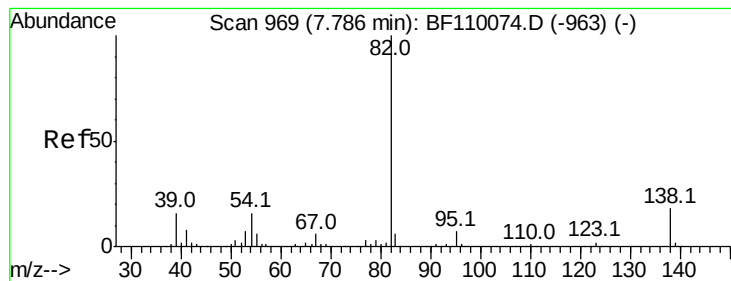
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#24
 Nitrobenzene
 Concen: 32.414 ng
 RT: 7.56 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.8	35.7	53.5
65	13.8	10.7	16.1





#25

Isophorone

Concen: 35.626 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

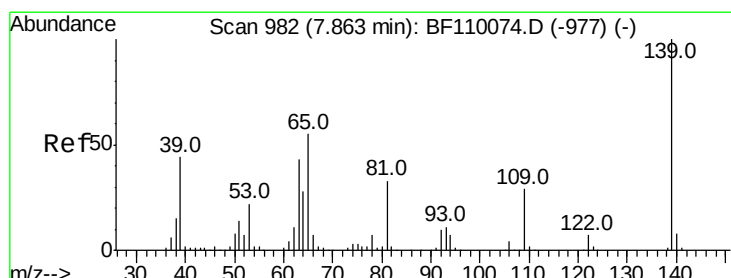
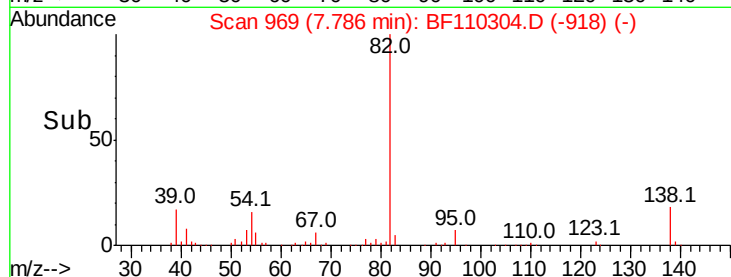
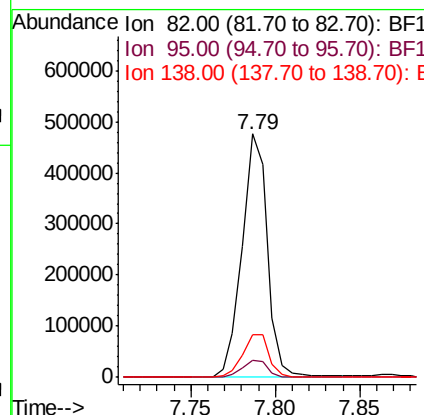
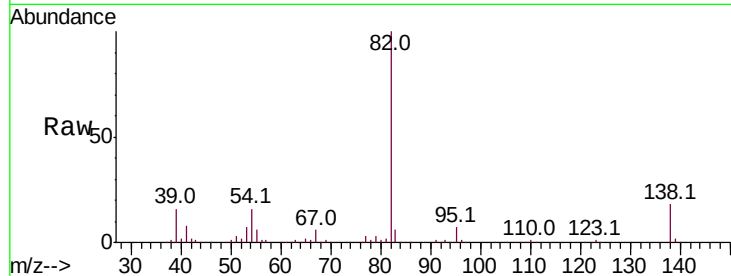
ClientSampleId :

RED-SHALEMS

Tot Ion:	82	Resp:	500463
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.7	8.5
138	17.6	13.2	19.8

Manual Integrations
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#26

2-Nitrophenol

Concen: 35.114 ng

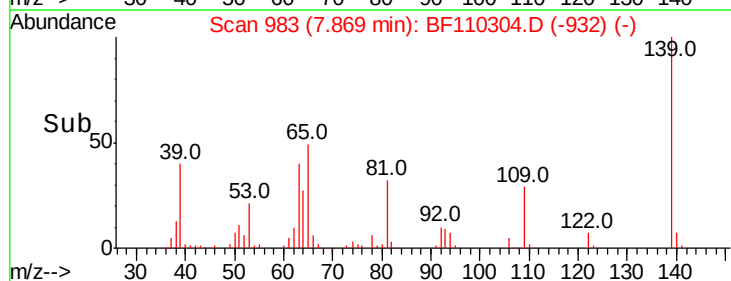
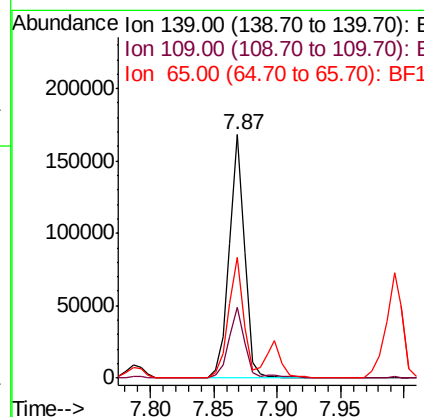
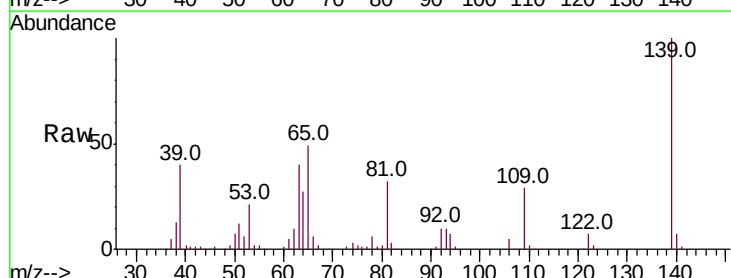
RT: 7.87 min Scan# 983

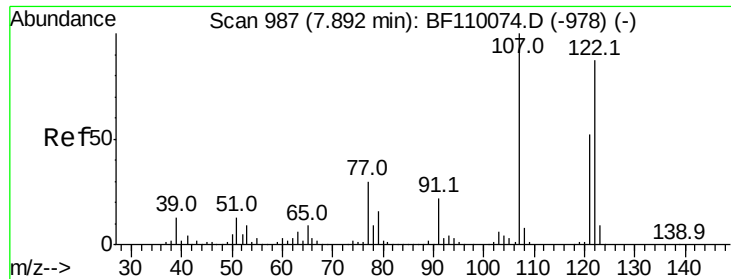
Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion:	139	Resp:	142166
Ion Ratio	Lower	Upper	
139	100		
109	29.2	25.0	37.6
65	49.4	44.0	66.0





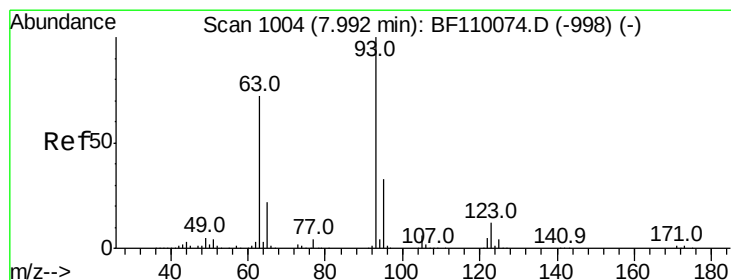
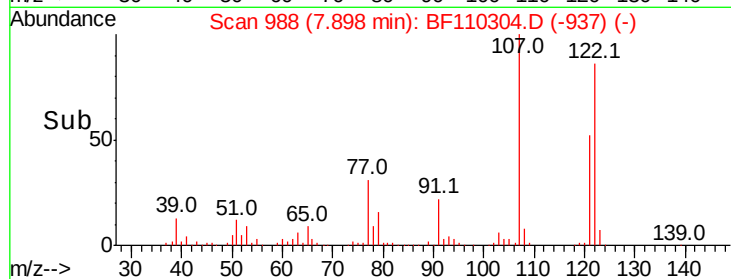
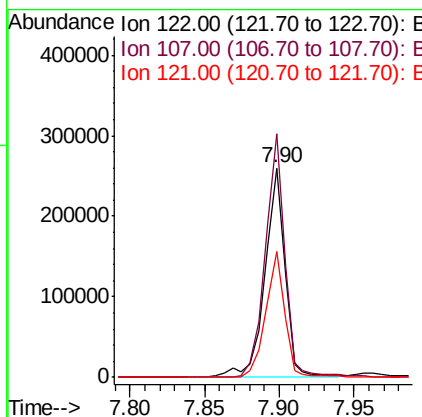
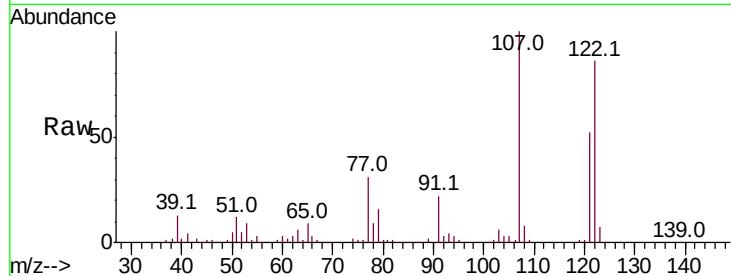
#27
2,4-Dimethylphenol
Concen: 36.064 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.2	92.5	138.7
121	60.2	45.8	68.8

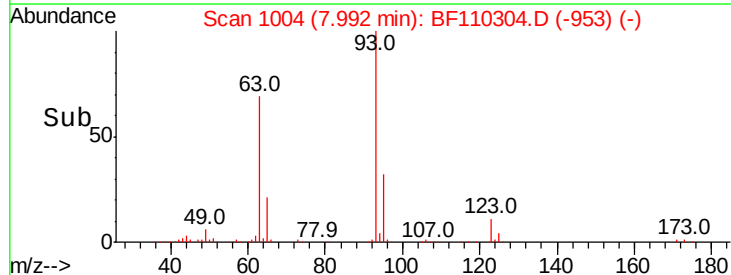
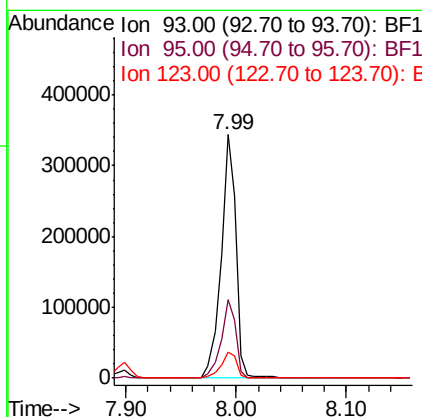
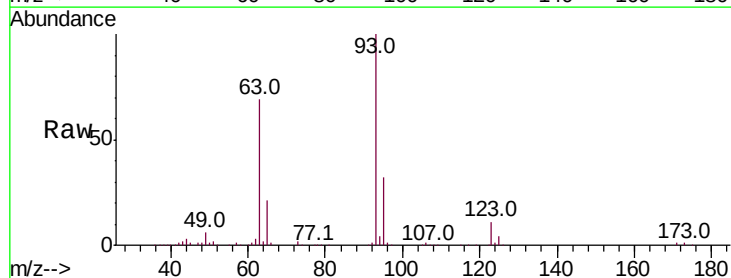
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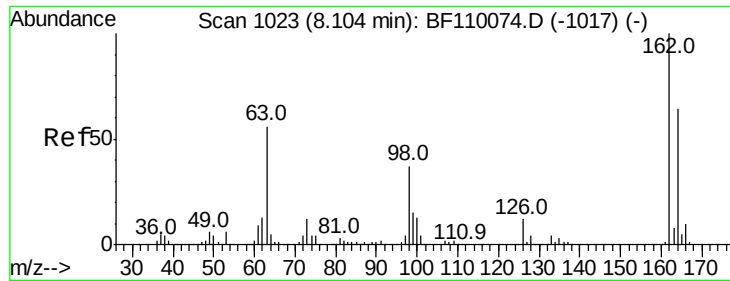
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 33.640 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.4	39.6
123	10.8	9.0	13.6





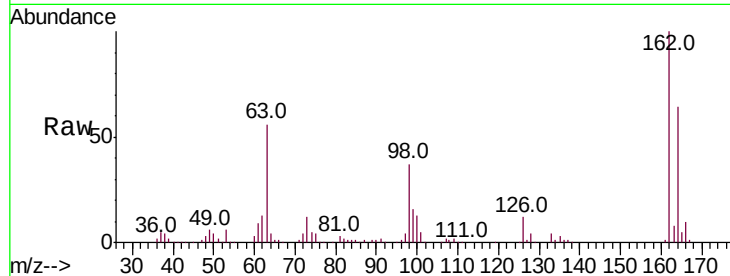
#29
2,4-Dichlorophenol
Concen: 33.544 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

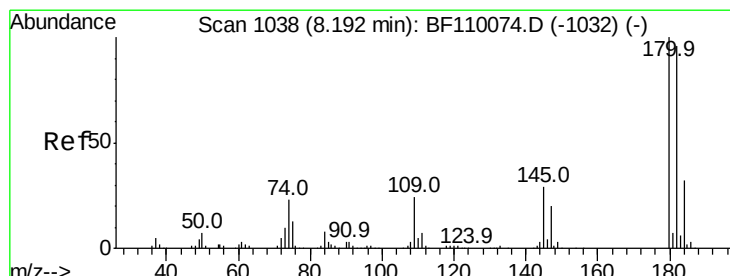
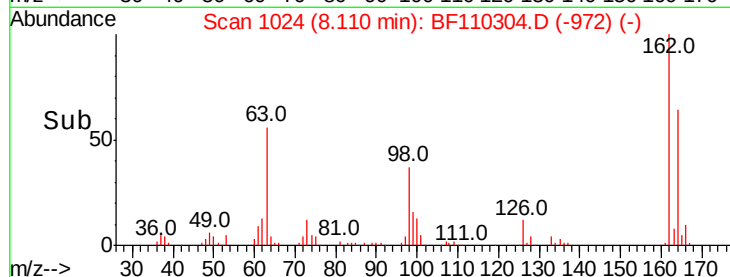
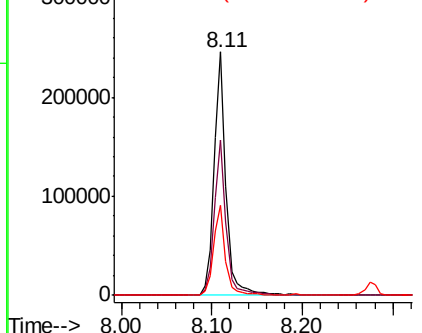
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	63.7	44.6	84.6	
98	37.2	17.4	57.4	

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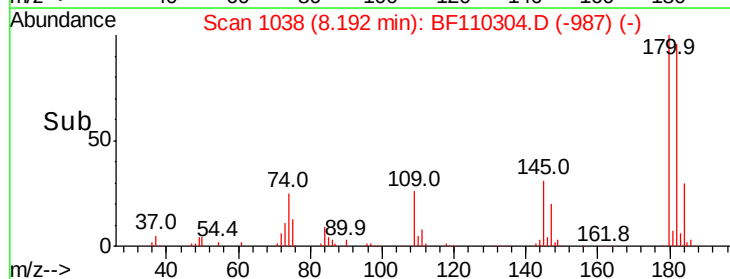
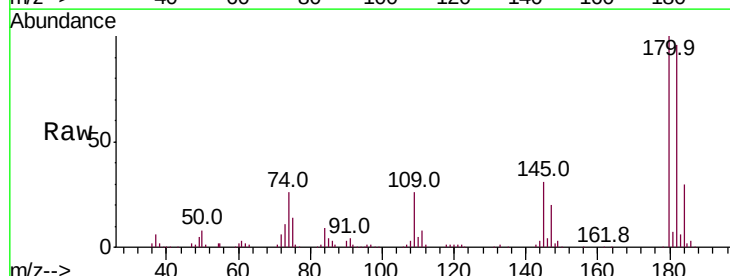
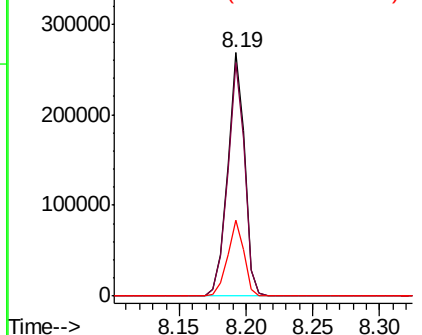
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

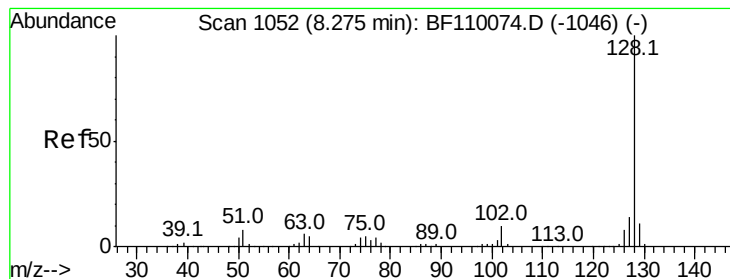


#30
1,2,4-Trichlorobenzene
Concen: 31.971 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	80.3	120.5	
145	31.2	25.4	38.0	

Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.101 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

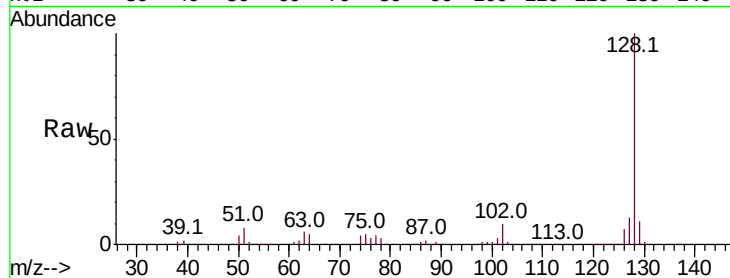
ClientSampleId :

RED-SHALEMS

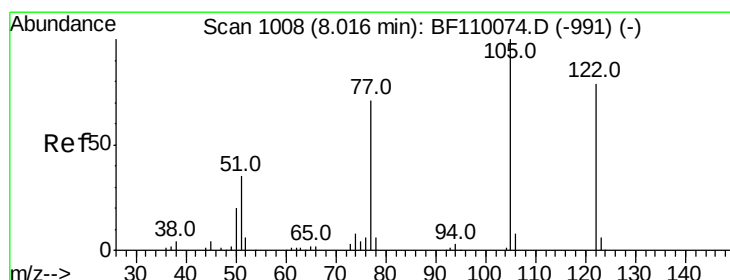
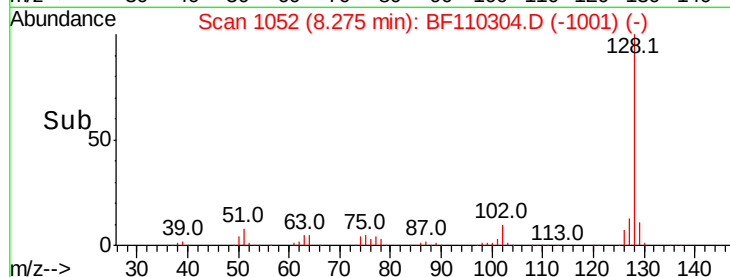
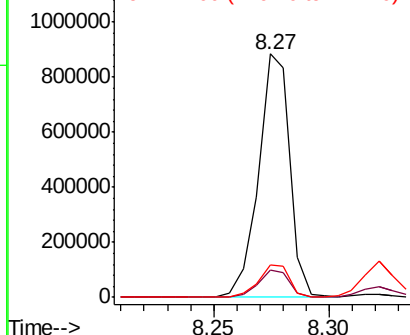
Tot Ion:	128	Resp:	835822
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.2	10.8	16.2

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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: 2.290 ng m

RT: 7.96 min Scan# 999

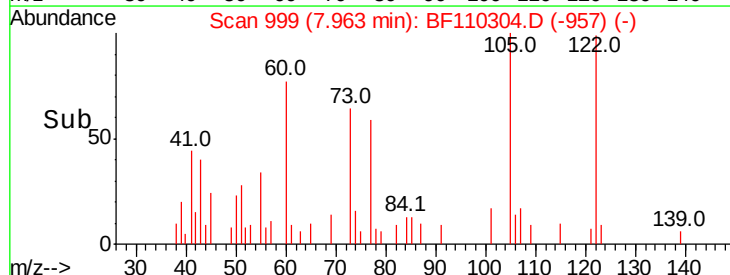
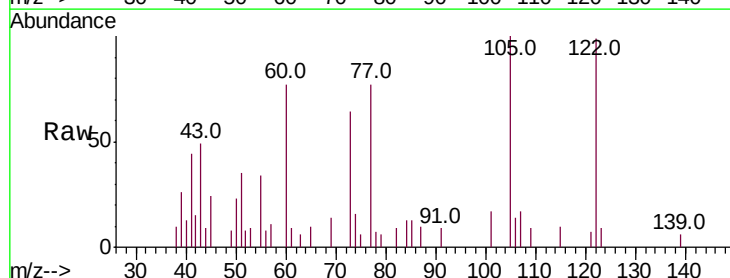
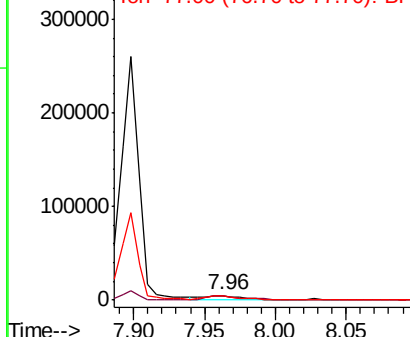
Delta R.T. -0.05 min

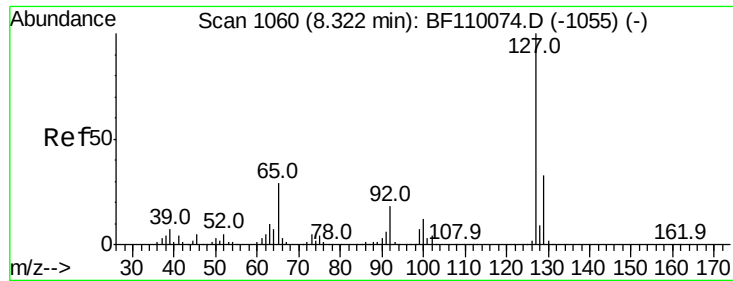
Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion:	122	Resp:	11882
Ion Ratio	Lower	Upper	
122	100		
105	100.6	109.0	149.0#
77	77.8	79.0	119.0#

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





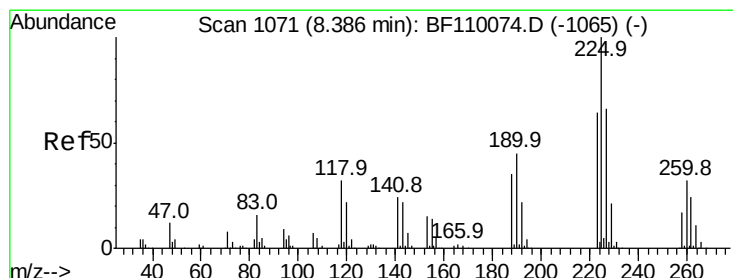
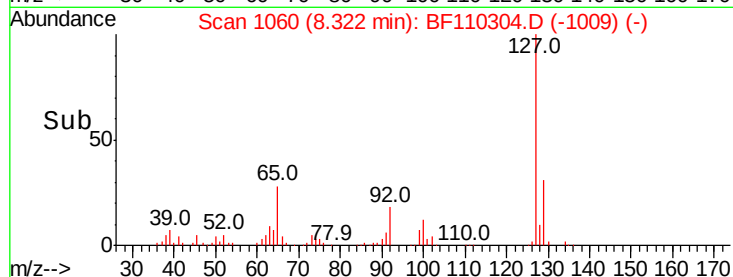
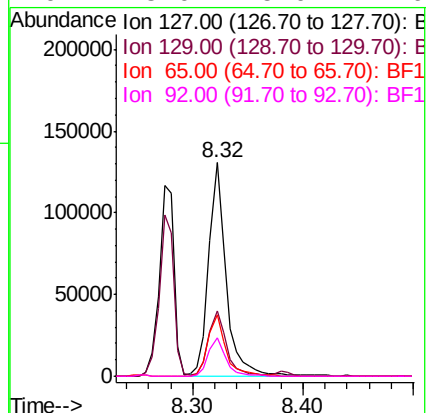
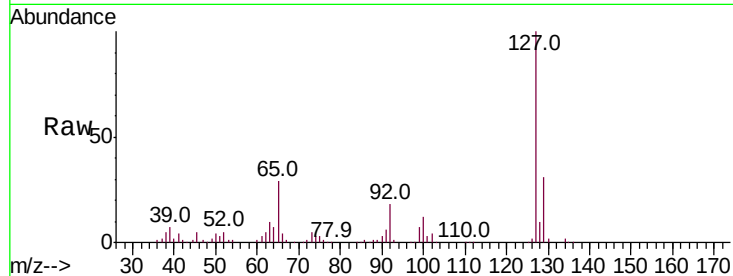
#33
4-Chloroaniline
Concen: 13.867 ng
RT: 8.32 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	30.9	26.0	39.0	
65	28.8	25.1	37.7	
92	18.0	15.0	22.6	

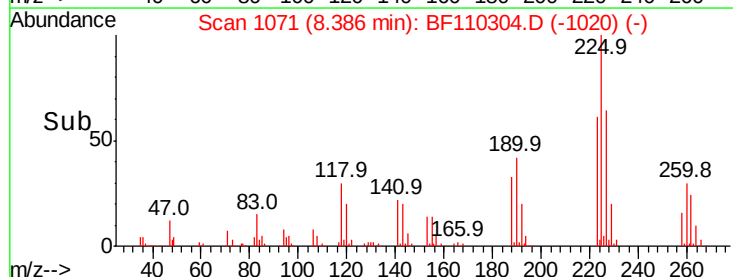
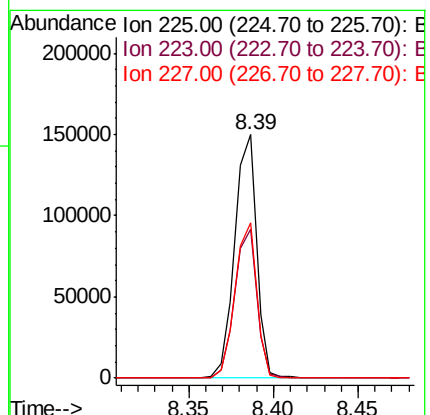
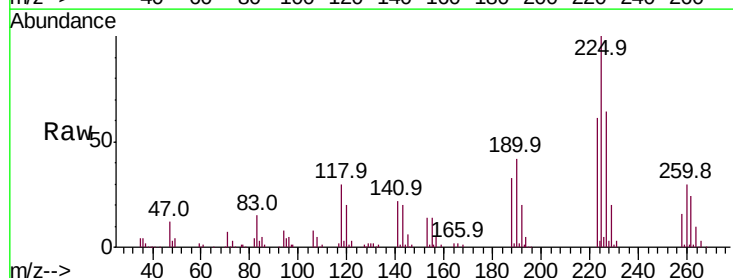
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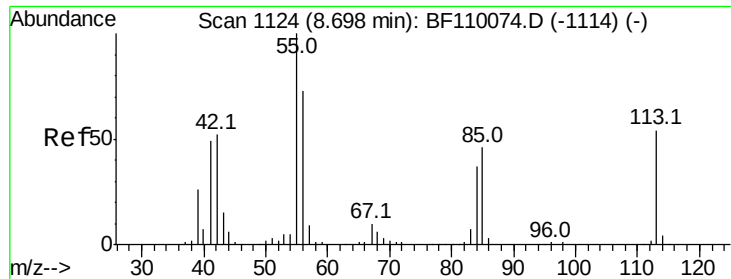
Sohil
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#34
Hexachlorobutadiene
Concen: 32.007 ng
RT: 8.39 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	51.4	77.2	
227	63.7	51.0	76.6	





#35

Caprolactam

Concen: 29.426 ng/mL

RT: 8.69 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

ClientSampleId :

RED-SHALEMS

Tot Ion:113 Resp: 69554

Ion Ratio Lower Upper

113 100

55 176.0 142.8 182.8

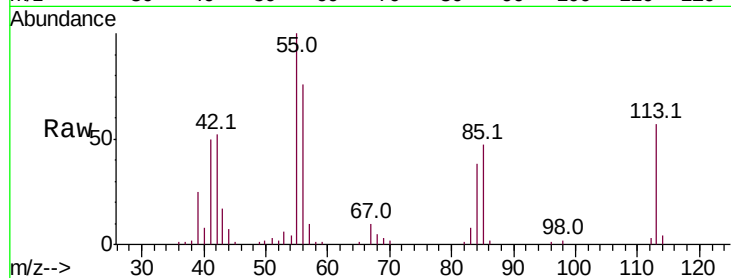
56 133.1 105.0 145.0

Manual Integrations

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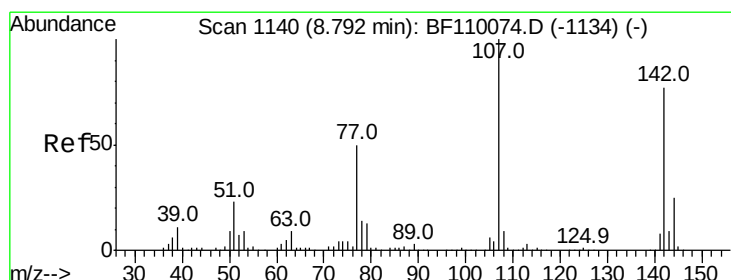
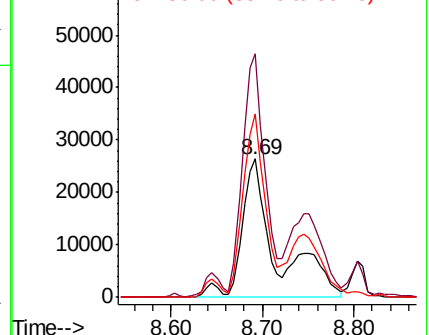
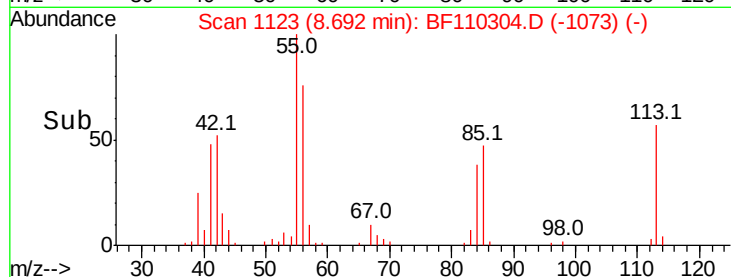
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 32.703 ng/mL

RT: 8.80 min Scan# 1142

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

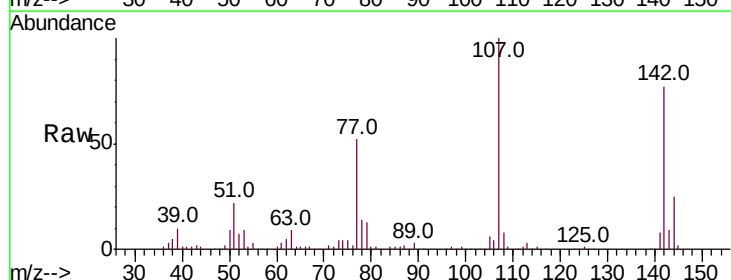
Tgt Ion:107 Resp: 239822

Ion Ratio Lower Upper

107 100

144 25.3 20.0 30.0

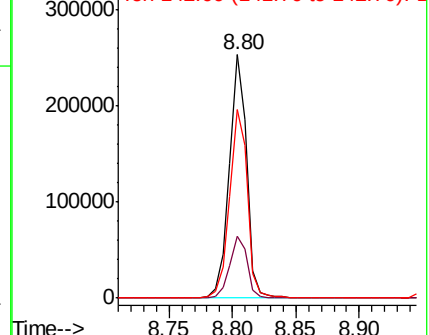
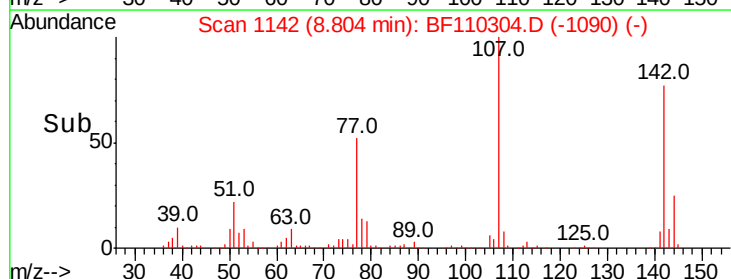
142 77.5 59.7 89.5

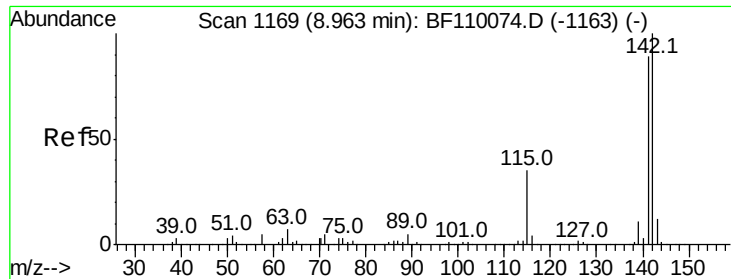


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





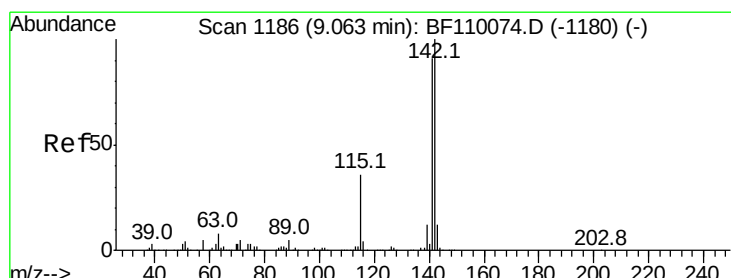
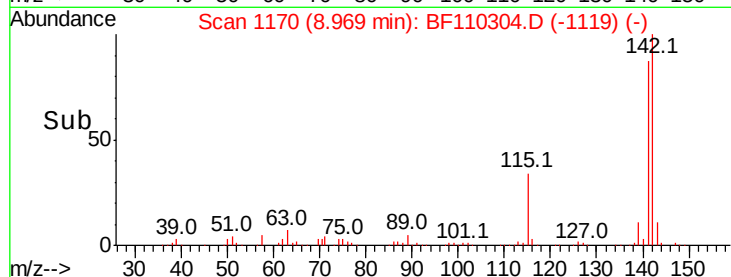
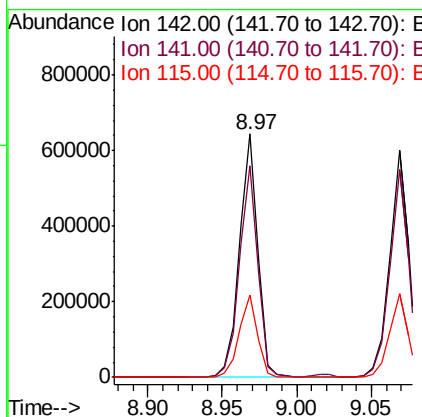
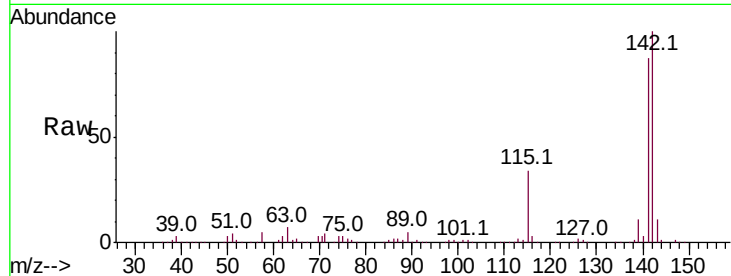
#37
2-Methylnaphthalene
Concen: 37.025 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.4	107.2
115	33.7	28.7	43.1

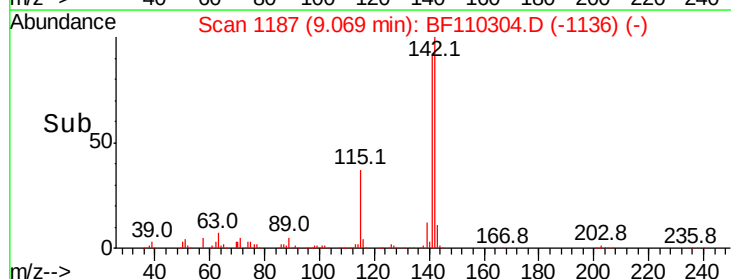
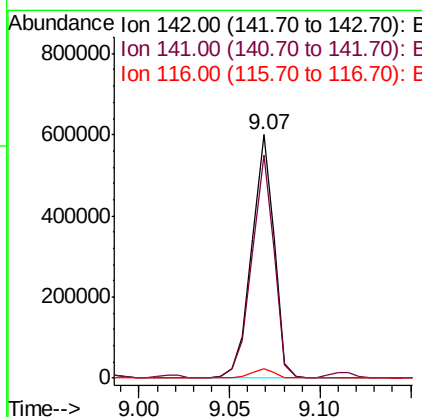
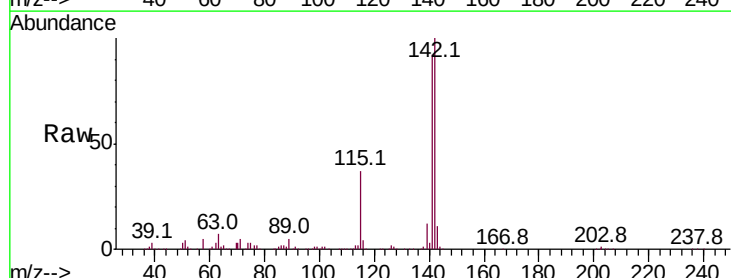
Manual Integrations
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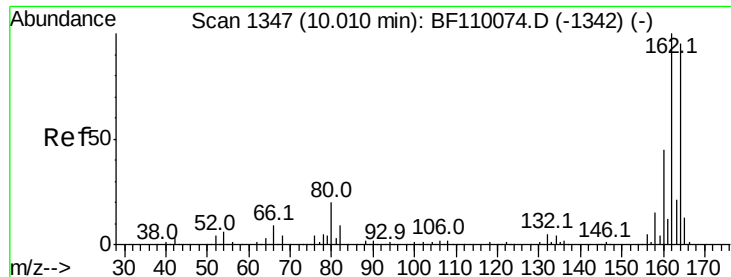
Sohil
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#38
1-Methylnaphthalene
Concen: 35.652 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.2	111.4
116	3.7	2.6	4.0





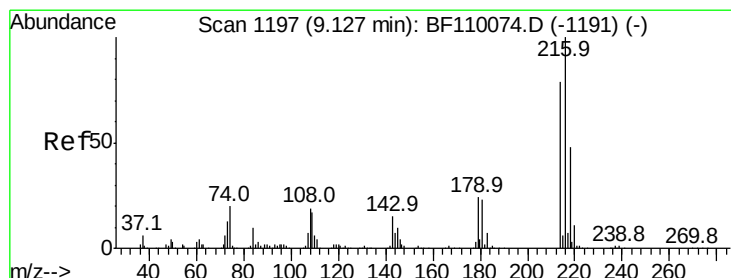
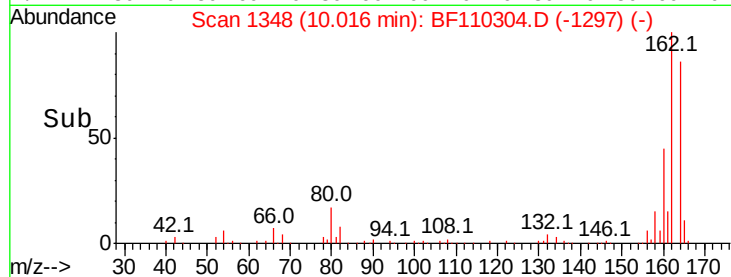
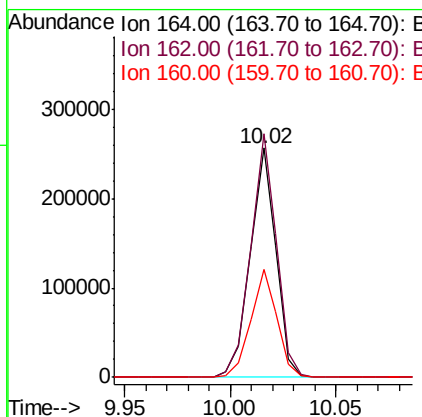
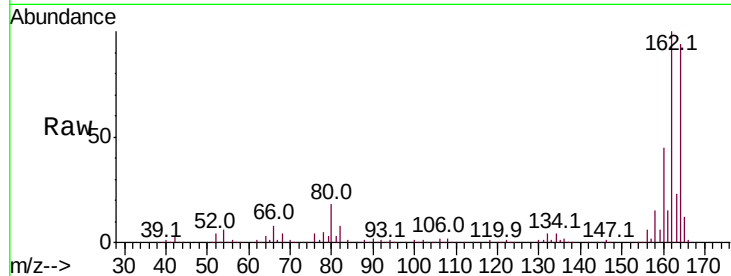
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp	Lower	Upper
164	100	217225		
162	106.1	83.0	124.6	
160	47.3	37.0	55.6	

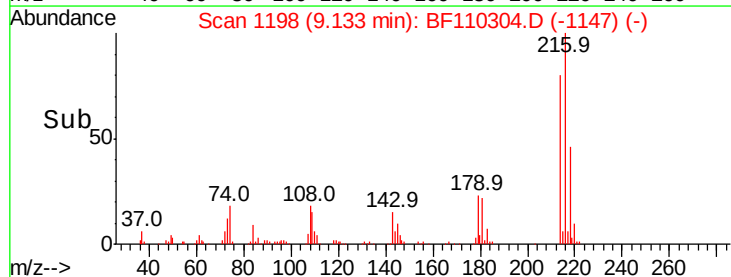
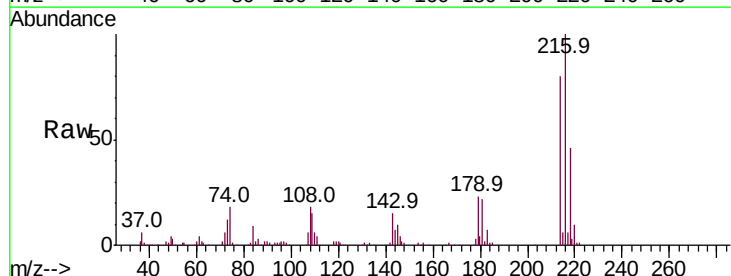
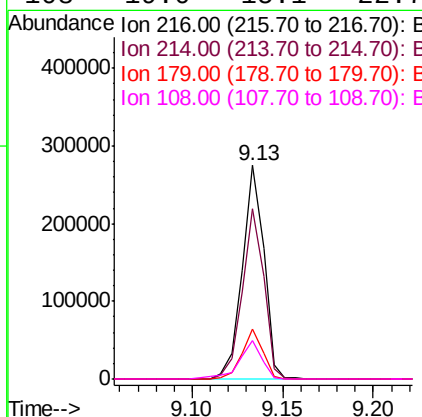
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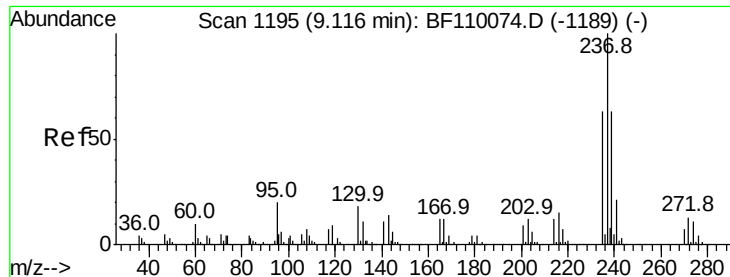
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 33.715 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	228190		
214	79.5	63.8	95.6	
179	22.6	16.6	25.0	
108	19.0	15.1	22.7	





#41

Hexachlorocyclopentadiene

Concen: 28.696 ng

RT: 9.12 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

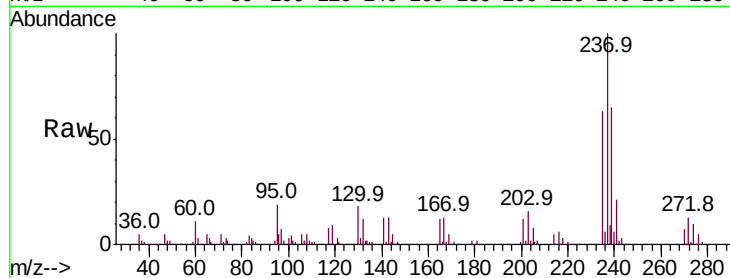
ClientSampleId :

RED-SHALEMS

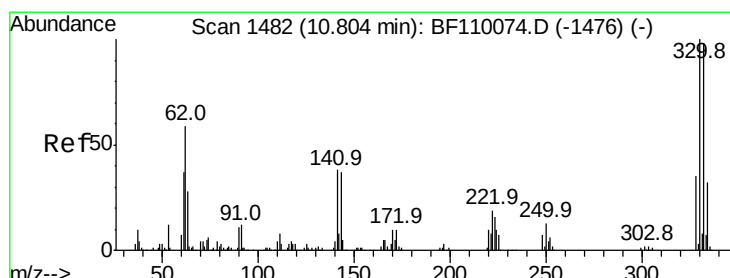
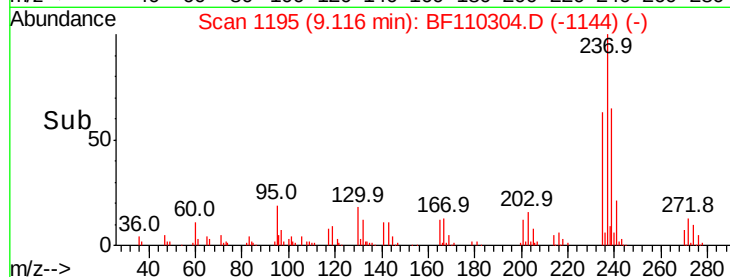
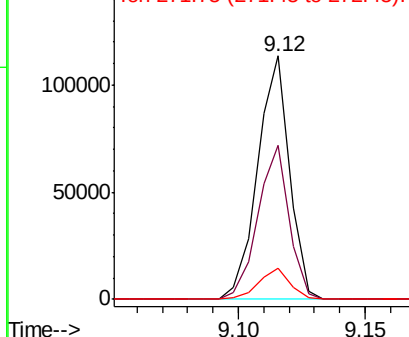
Tot Ion:	237	Resp:	99312
Ion Ratio	Lower	Upper	
237	100		
235	63.1	43.1	83.1
272	12.6	0.0	32.6

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



#42

2,4,6-Tribromophenol

Concen: 87.816 ng

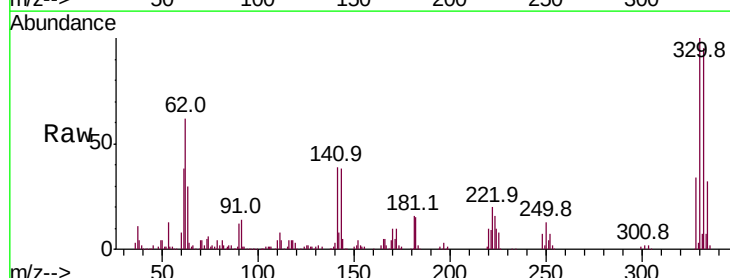
RT: 10.81 min Scan# 1483

Delta R.T. 0.00 min

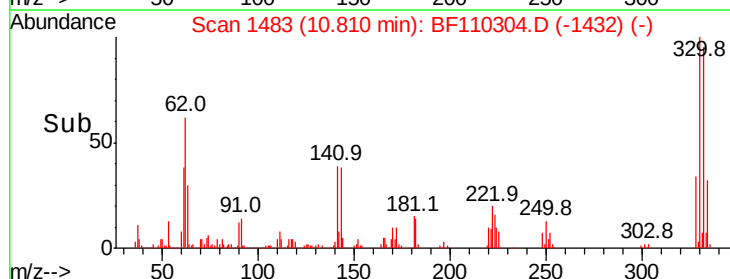
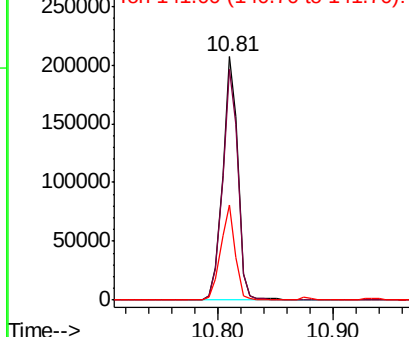
Lab File: BF110304.D

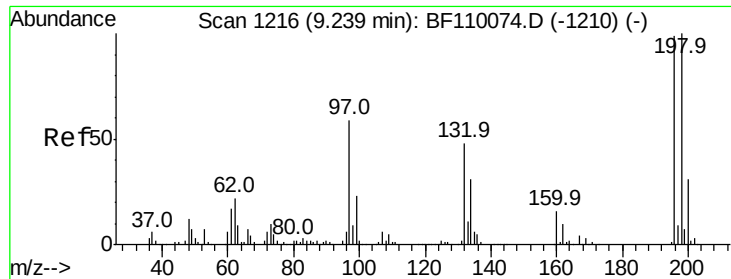
Acq: 30 Oct 2018 15:47

Tgt Ion:	330	Resp:	188958
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.1	115.7
141	37.7	27.0	40.4



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





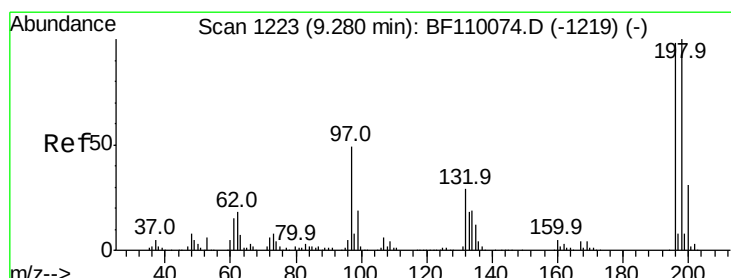
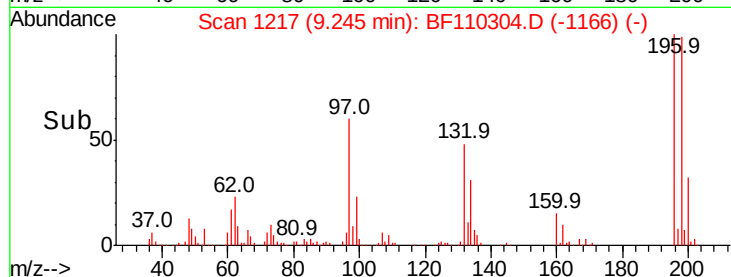
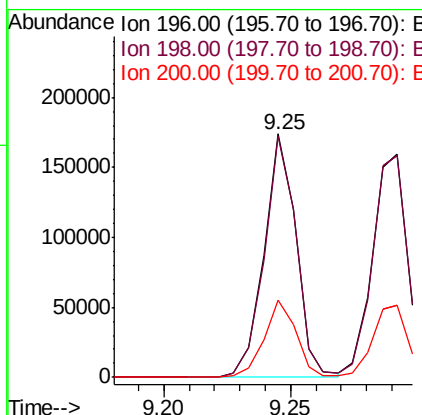
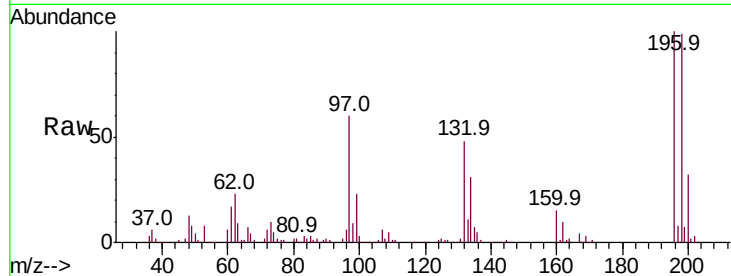
#43
 2,4,6-Trichlorophenol
 Concen: 35.114 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :
 RED-SHALEMS

Tot Ion:	196	Resp:	153291
Ion Ratio	Lower	Upper	
196	100		
198	99.3	76.2	114.4
200	31.8	24.4	36.6

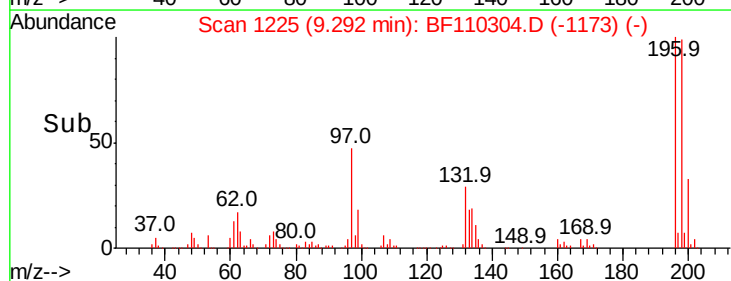
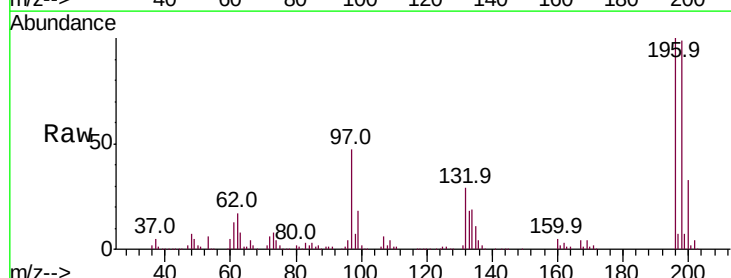
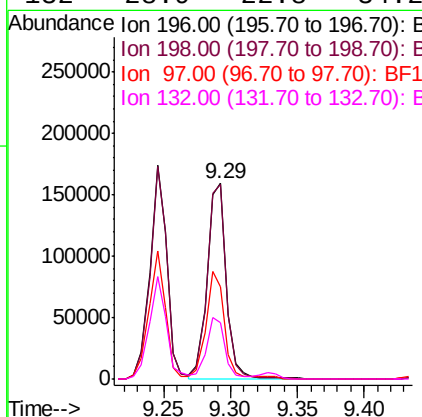
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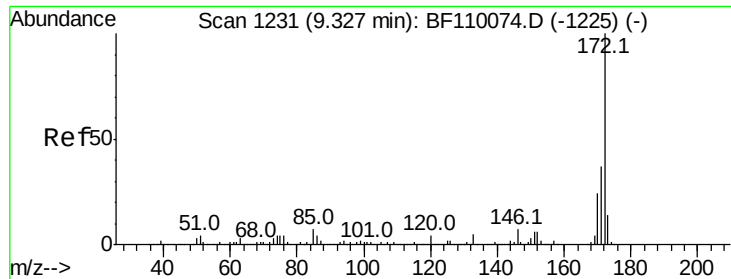
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#44
 2,4,5-Trichlorophenol
 Concen: 34.733 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Tgt Ion:	196	Resp:	160274
Ion Ratio	Lower	Upper	
196	100		
198	99.4	75.8	113.6
97	47.1	42.4	63.6
132	28.9	22.8	34.2





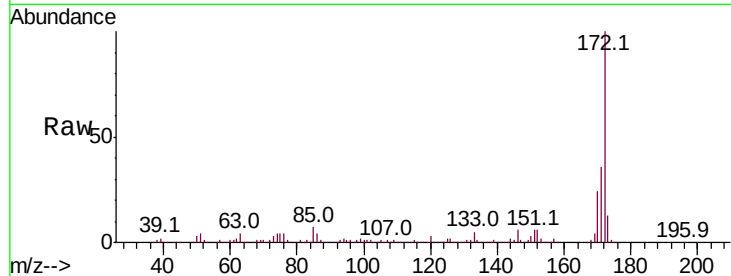
#45
2-Fluorobiphenyl
Concen: 73.594 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

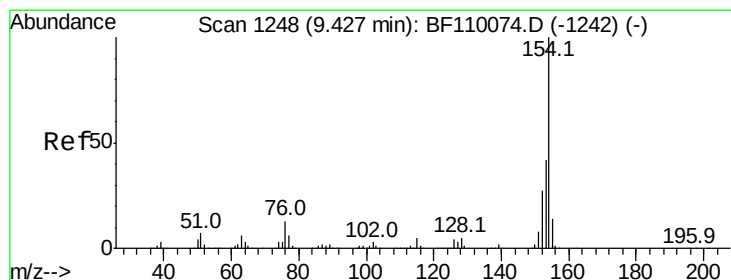
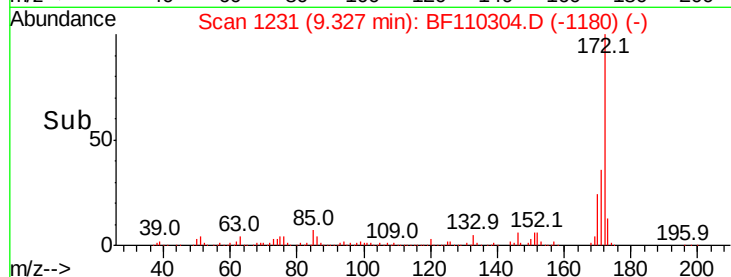
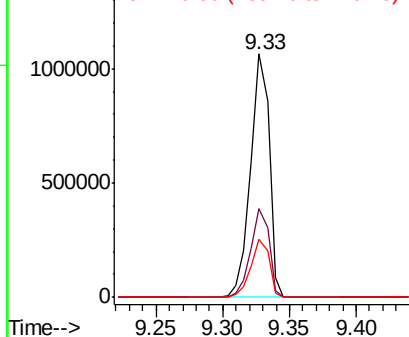
Tot Ion:172 Resp: 1018079
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 23.7 19.7 29.5

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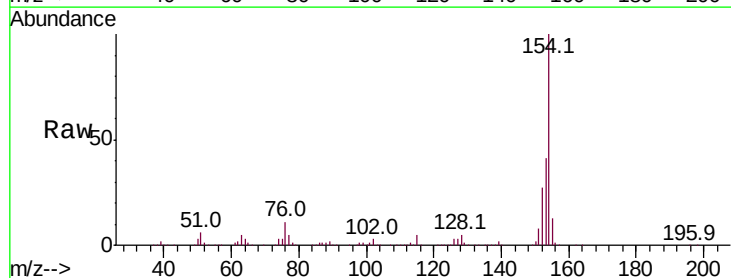


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

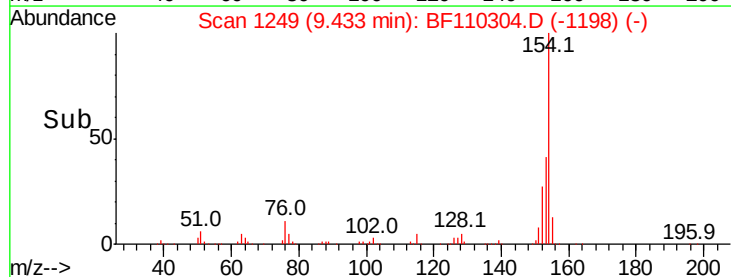
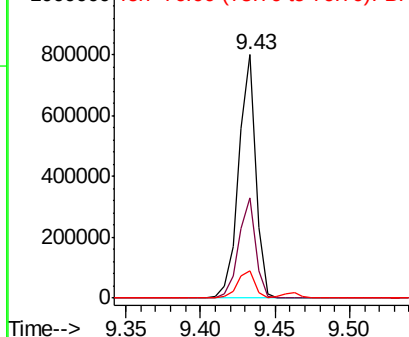


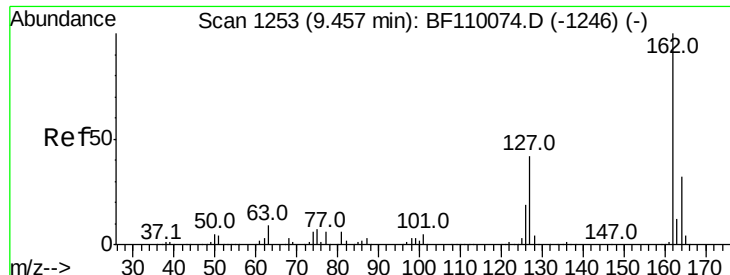
#46
1,1'-Biphenyl
Concen: 32.779 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion:154 Resp: 643895
Ion Ratio Lower Upper
154 100
153 41.0 20.4 60.4
76 11.4 0.0 31.9



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





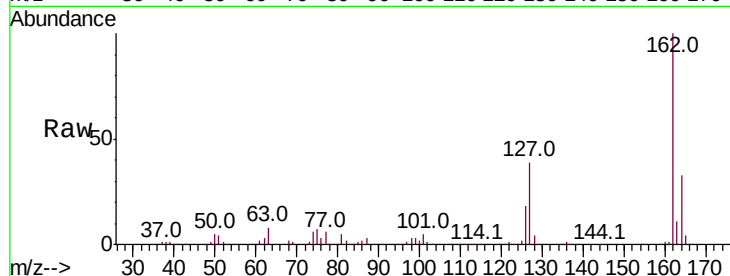
#47
 2-Chloronaphthalene
 Concen: 33.425 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :
 RED-SHALEMS

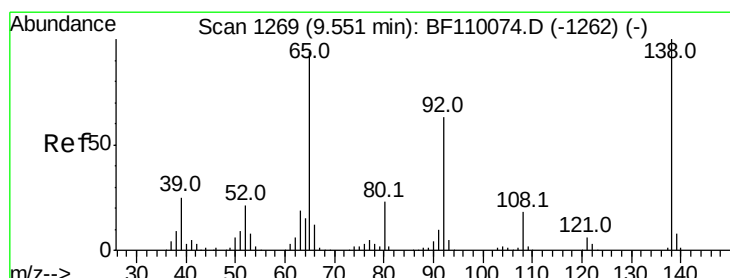
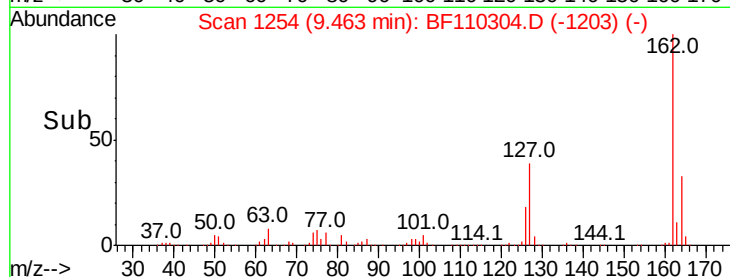
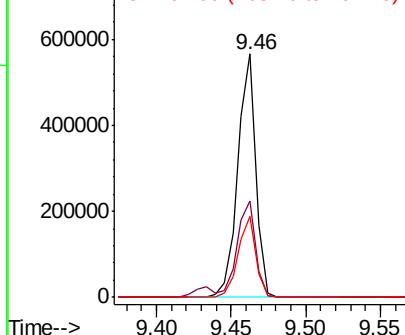
Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	39.5	32.6	48.8
164	33.1	25.9	38.9

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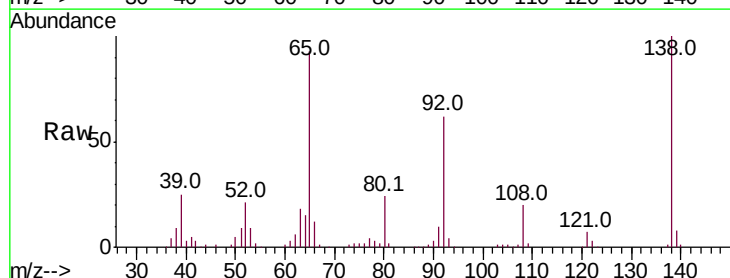


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

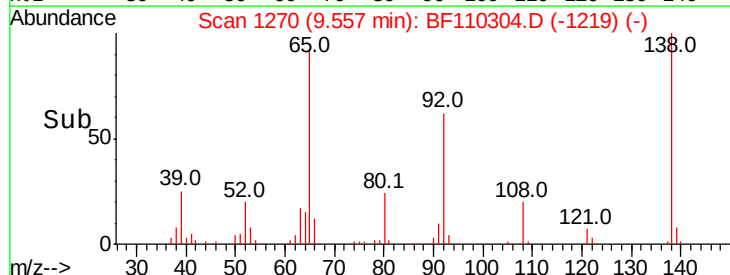
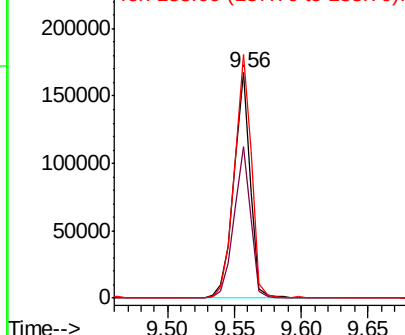


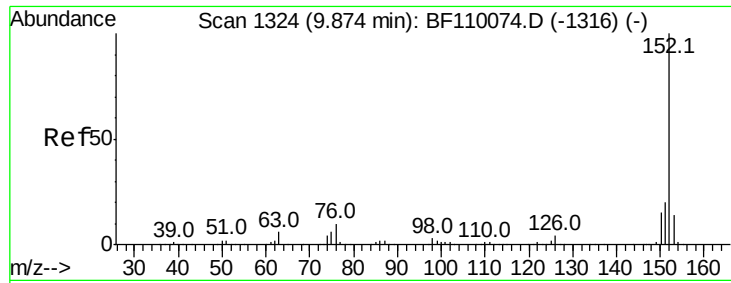
#48
 2-Nitroaniline
 Concen: 33.675 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	67.3	54.6	81.8
138	108.0	80.3	120.5



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 36.251 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

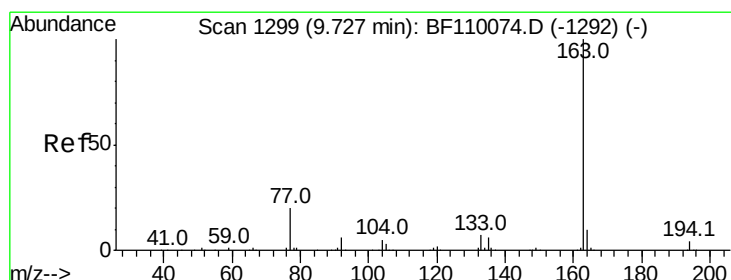
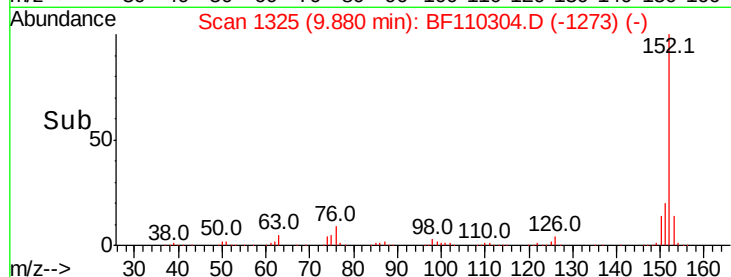
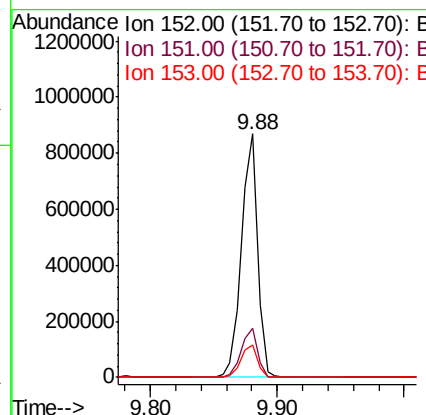
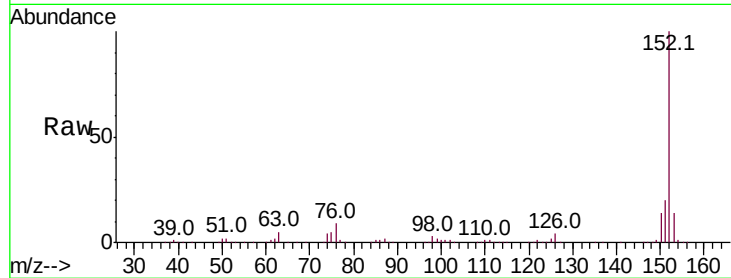
ClientSampleId :

RED-SHALEMS

Tot Ion:	152	Resp:	754451
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.8	23.8
153	13.5	10.4	15.6

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#50

Dimethylphthalate

Concen: 40.583 ng

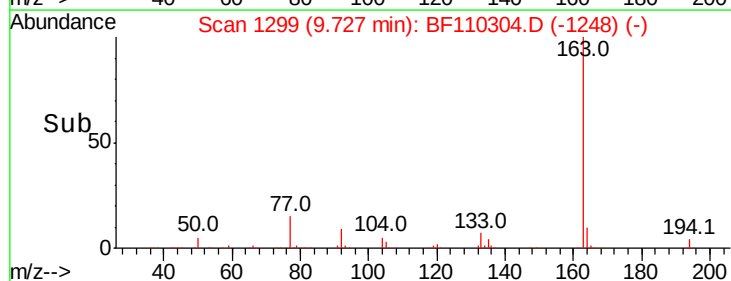
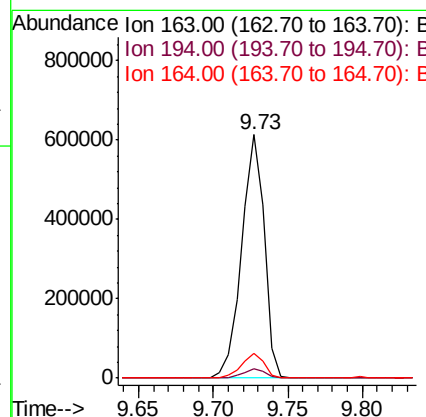
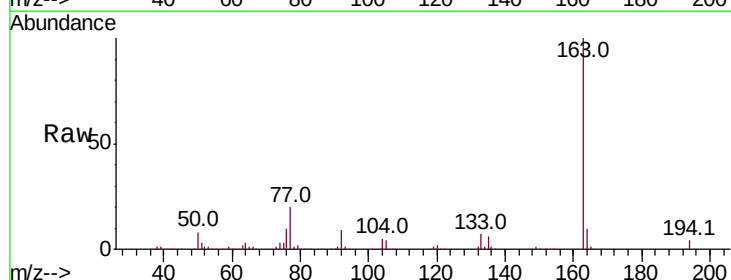
RT: 9.73 min Scan# 1299

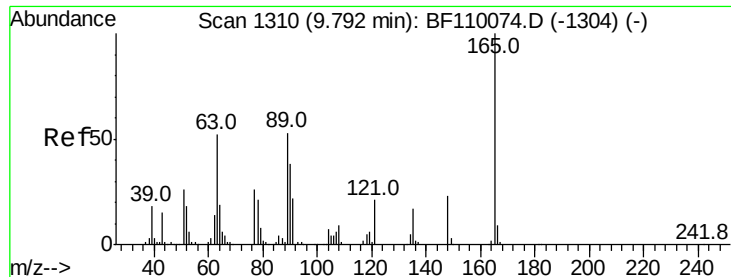
Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion:	163	Resp:	650752
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.2	4.8
164	10.1	8.1	12.1





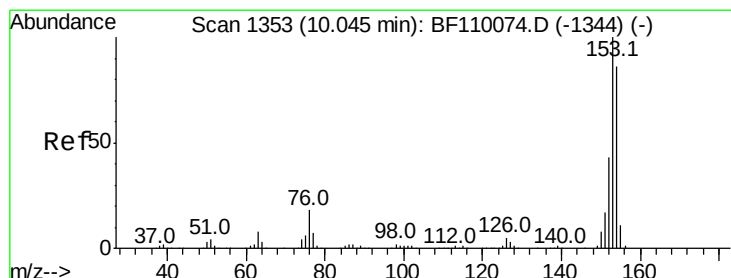
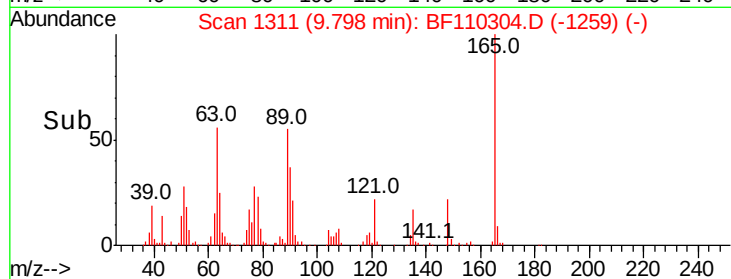
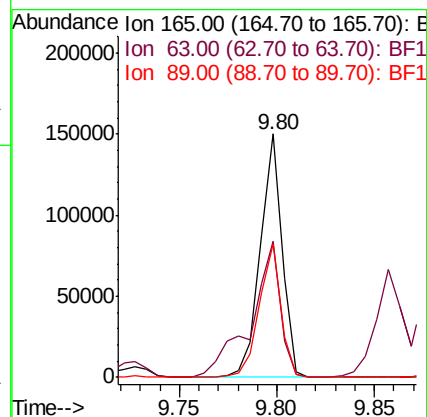
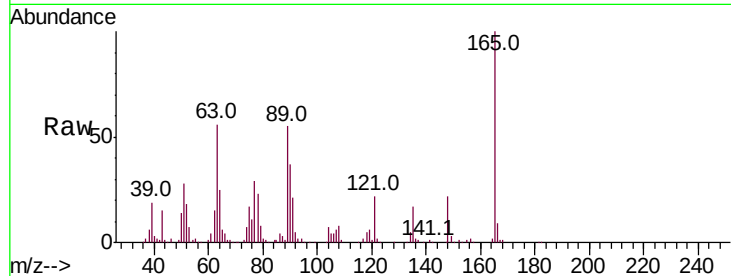
#51
2,6-Dinitrotoluene
Concen: 33.840 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	55.8	48.9	73.3	
89	54.7	46.6	69.8	

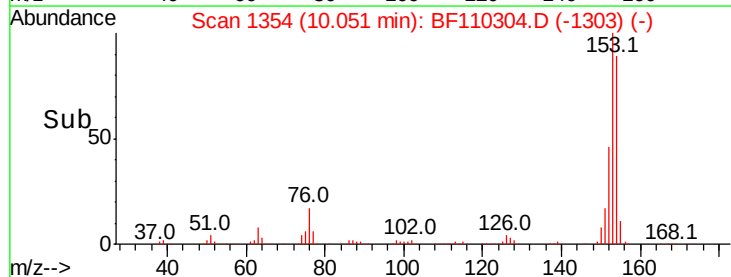
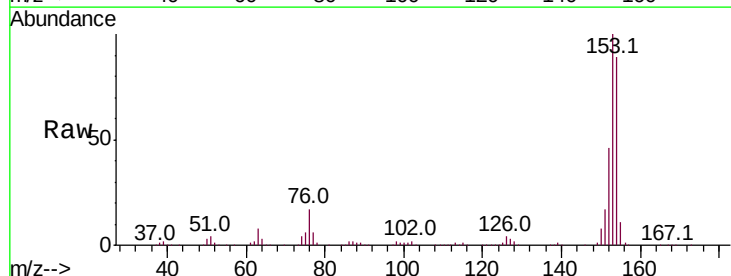
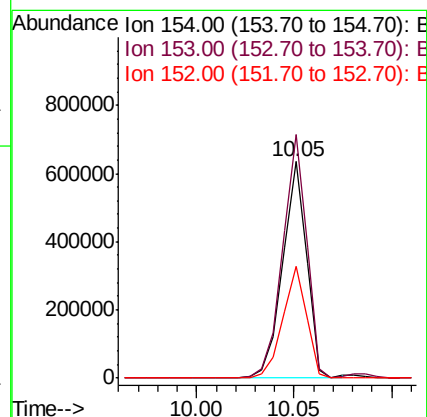
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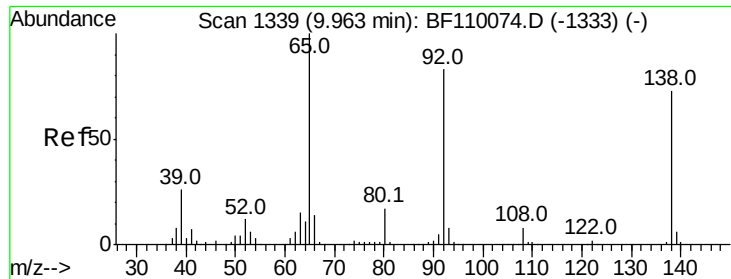
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#52
Acenaphthene
Concen: 39.486 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.5	90.1	135.1	
152	51.5	43.4	65.2	





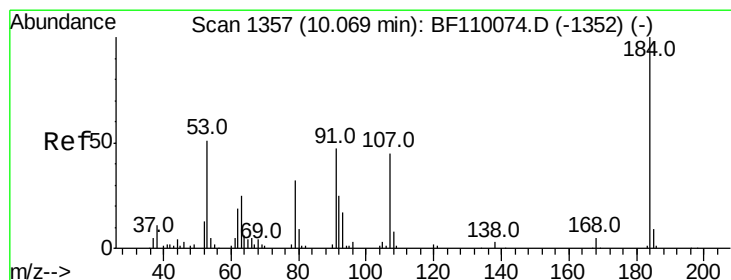
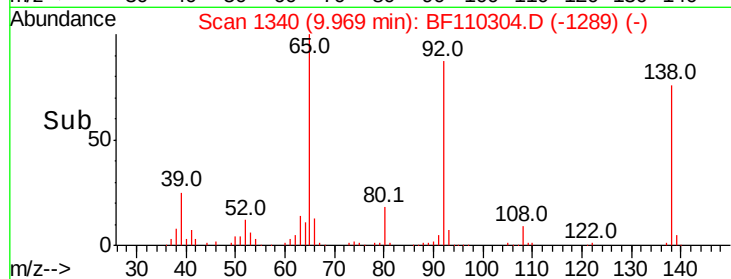
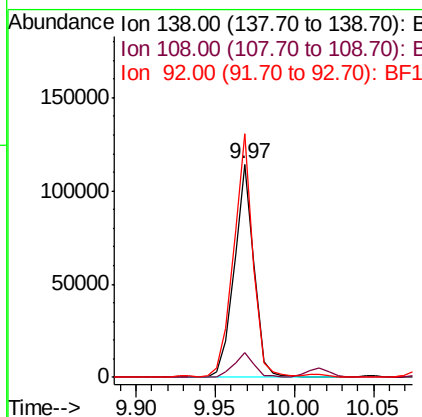
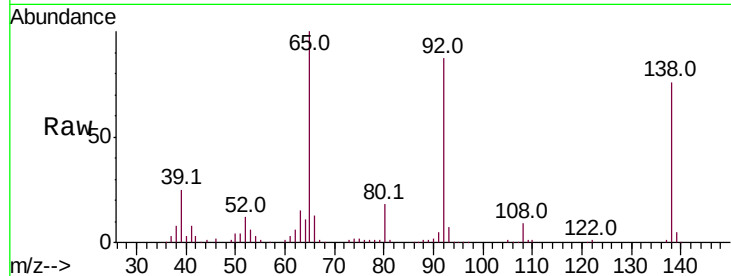
#53
 3-Nitroaniline
 Concen: 24.042 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :
 RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.7	13.1
92	114.2	97.0	145.4

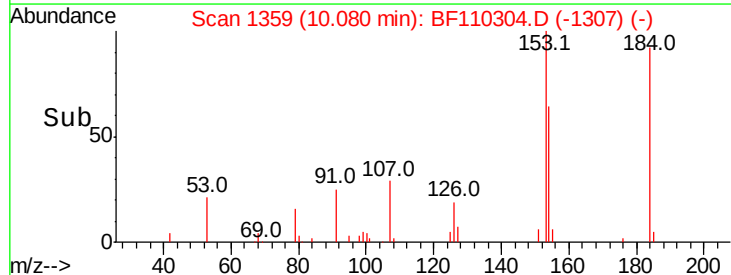
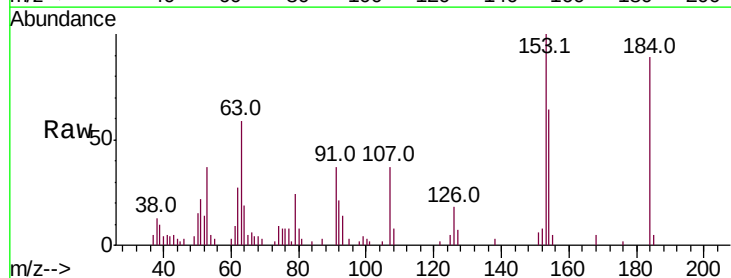
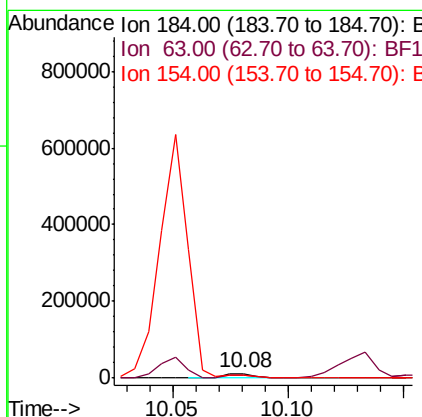
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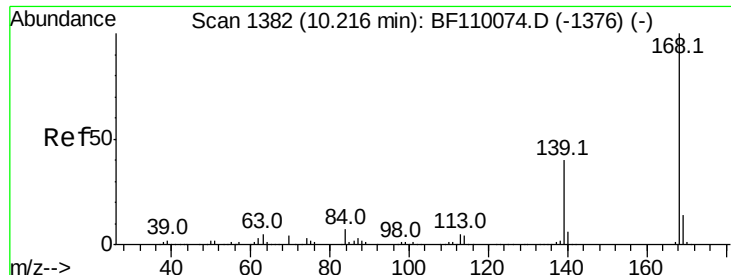
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#54
 2,4-Dinitrophenol
 Concen: 13.051 ng
 RT: 10.08 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.4	55.8	83.6
154	72.3	63.2	94.8





#55

Dibenzenofuran

Concen: 38.356 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

ClientSampleId :

RED-SHALEMS

Tot Ion:168 Resp: 739377

Ion Ratio Lower Upper

168 100

139 39.9 33.0 49.6

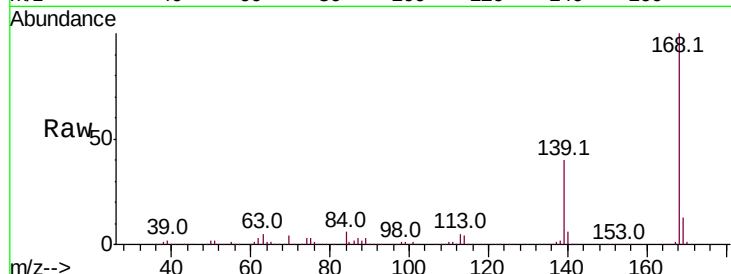
169 13.4 11.3 16.9

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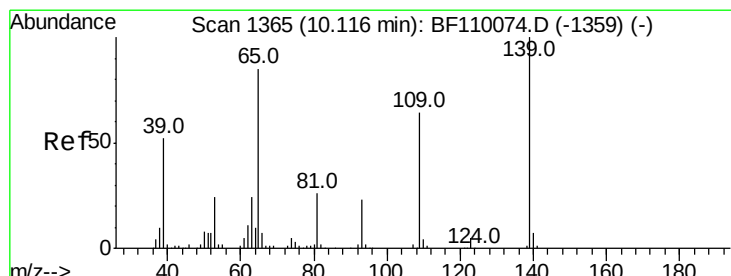
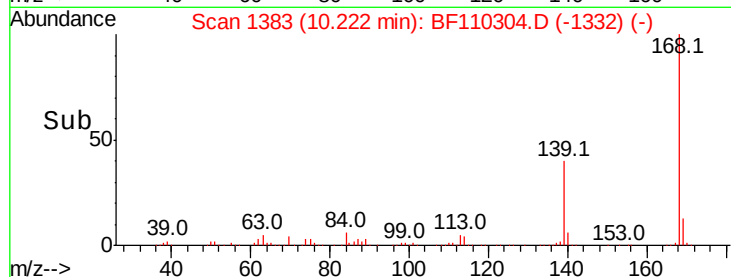
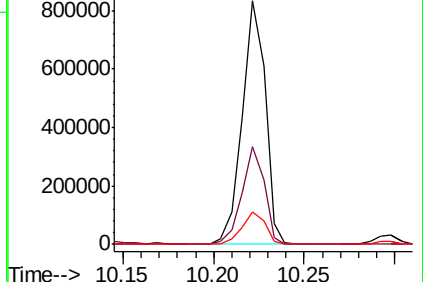
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 79.498 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

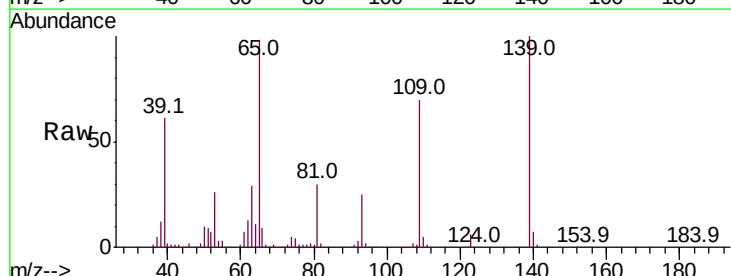
Tgt Ion:139 Resp: 241676

Ion Ratio Lower Upper

139 100

109 70.0 55.8 95.8

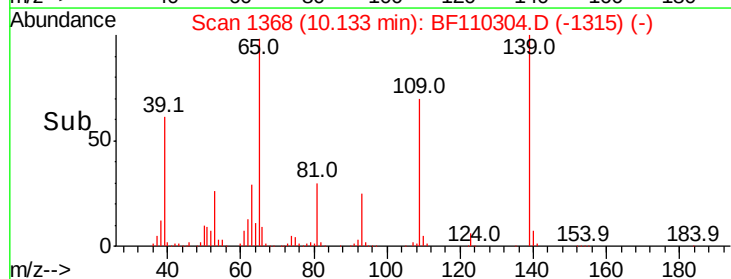
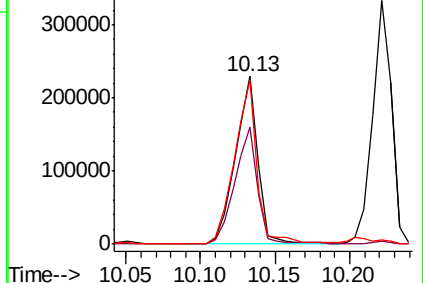
65 97.9 77.9 117.9

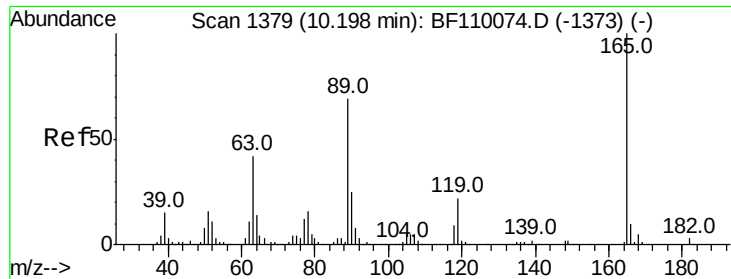


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





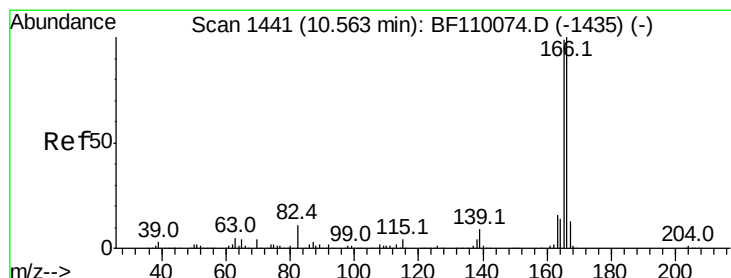
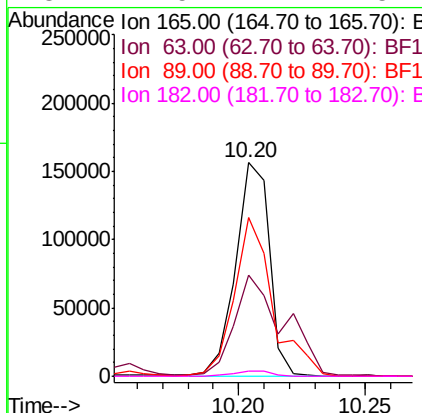
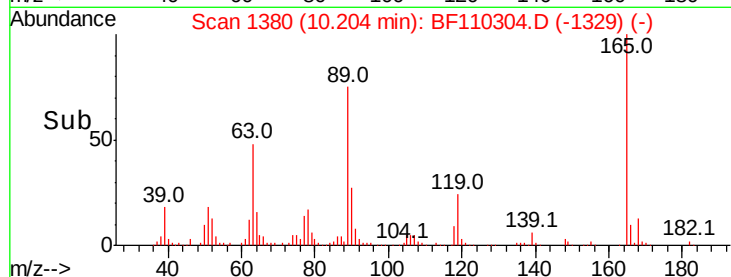
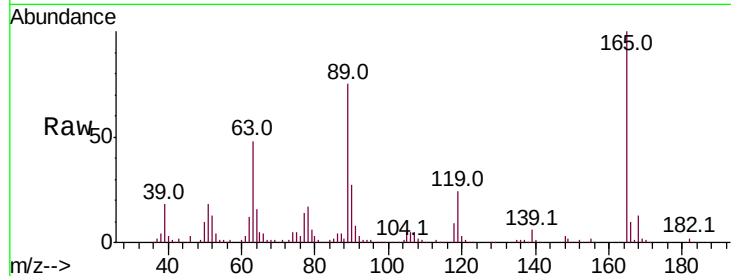
#57
2,4-Dinitrotoluene
Concen: 33.086 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	47.6		44.8	67.2
89	74.5		62.2	93.4
182	2.5		2.1	3.1

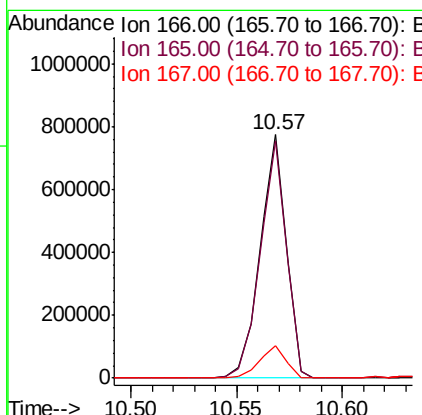
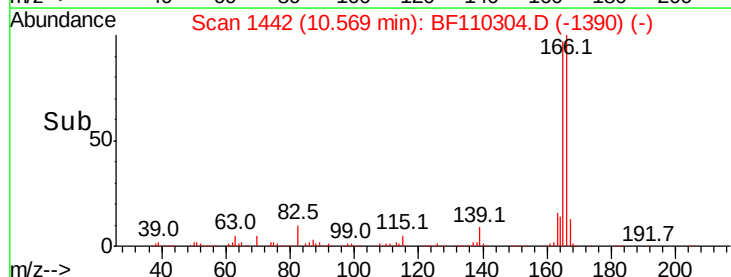
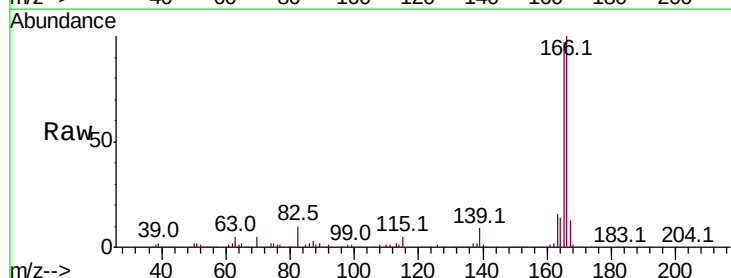
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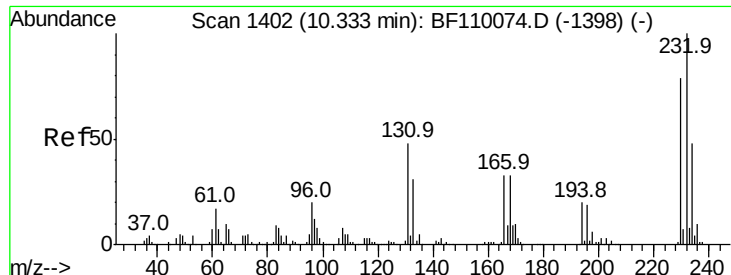
Sohil
10/31/2018 11:14:59 AM



#58
Fluorene
Concen: 46.355 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.4		78.6	117.8
167	13.3		10.8	16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 31.492 ng

RT: 10.34 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

ClientSampleId :

RED-SHALEMS

Tot Ion:232 Resp: 118446
Ion Ratio Lower Upper

232 100

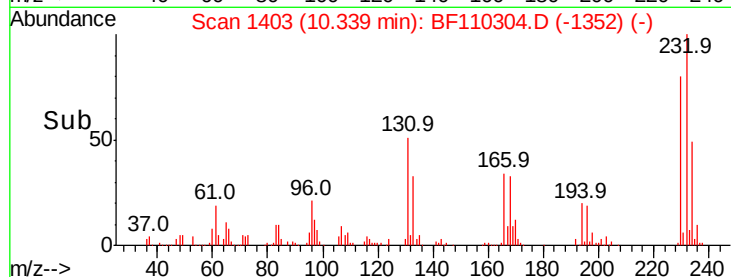
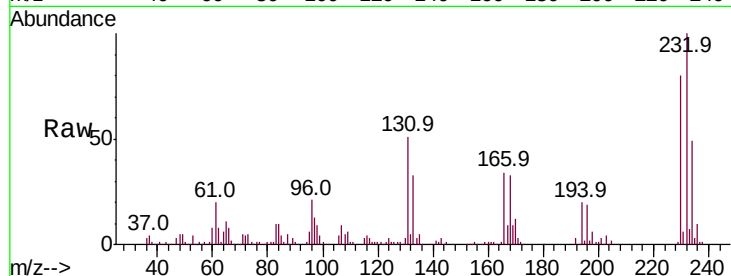
131 42.4 37.0 55.4

130 2.4 1.8 2.6

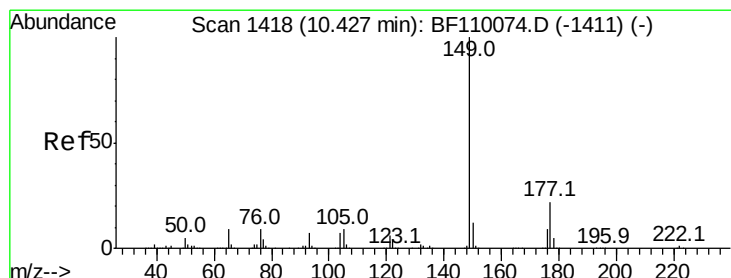
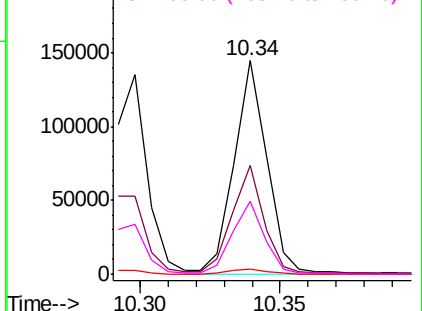
166 26.1 22.0 33.0

Manual Integrations
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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



#60

Diethylphthalate

Concen: 33.659 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.00 min

Lab File: BF110304.D

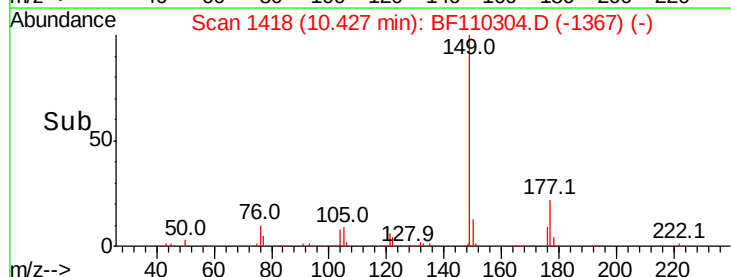
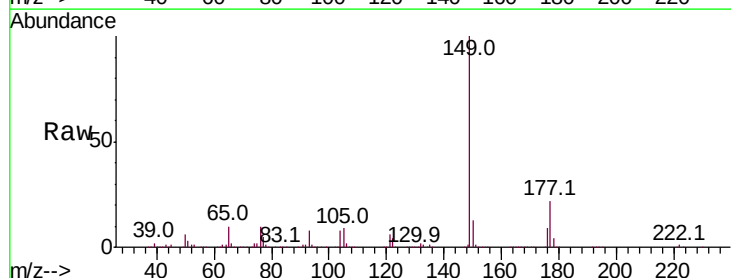
Acq: 30 Oct 2018 15:47

Tgt Ion:149 Resp: 526852
Ion Ratio Lower Upper

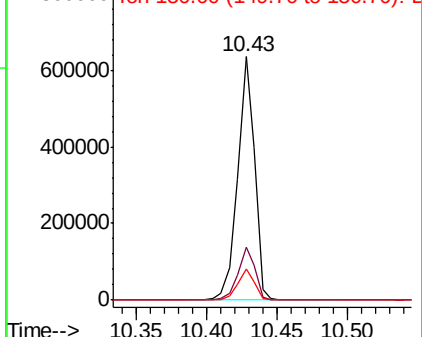
149 100

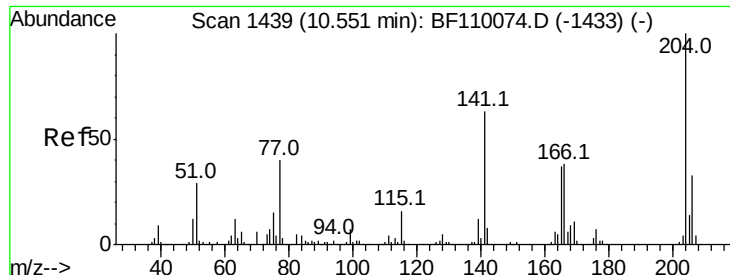
177 21.8 17.4 26.2

150 12.7 9.8 14.8



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





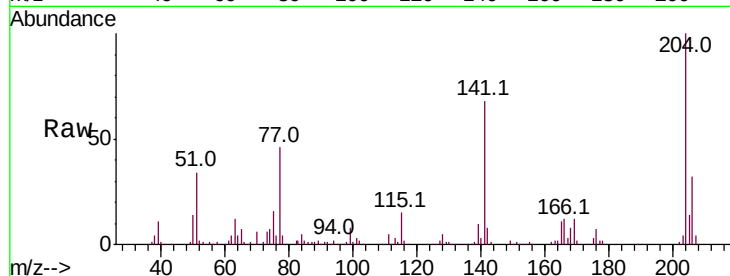
#61
4-Chlorophenyl-phenylether
Concen: 31.425 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

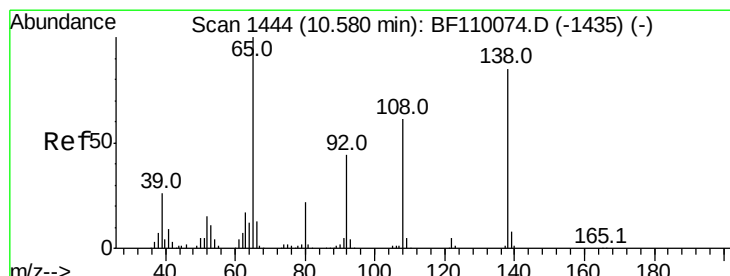
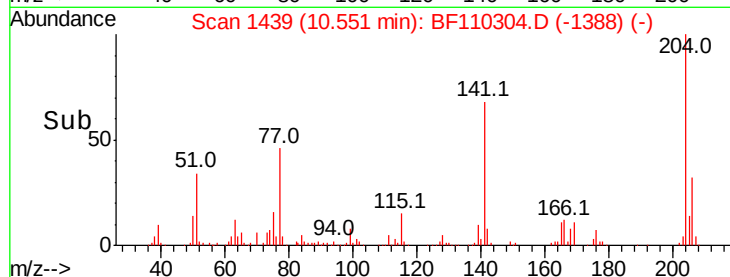
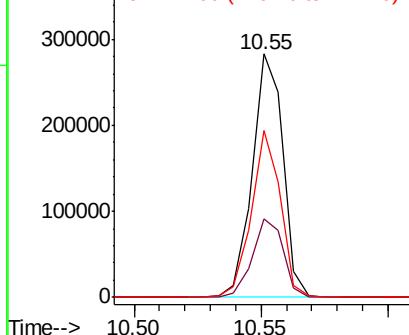
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.5	39.7
141	68.4	51.8	77.8

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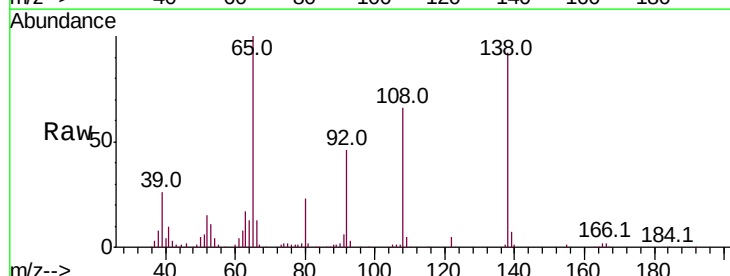


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

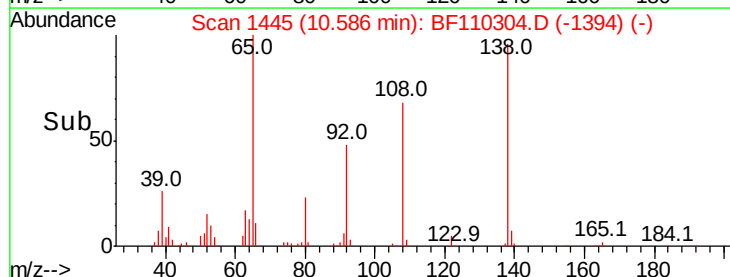
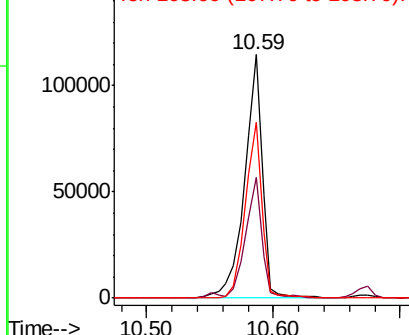


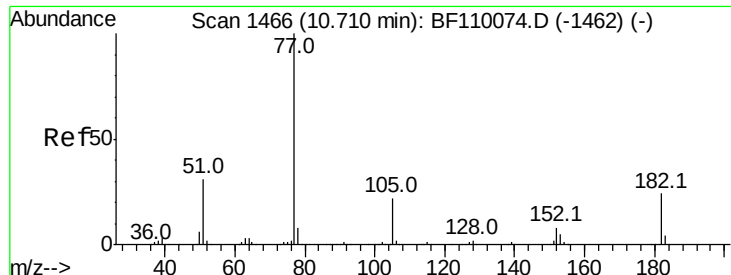
#62
4-Nitroaniline
Concen: 27.302 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.7	31.7	71.7
108	72.4	59.3	99.3



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





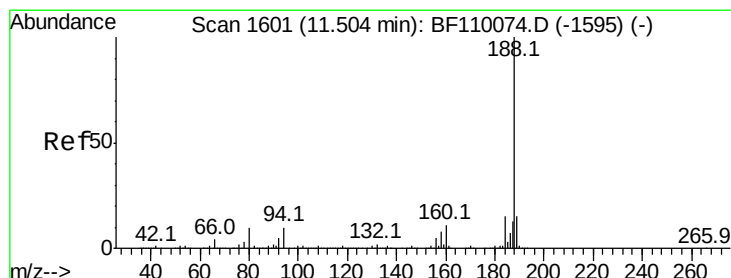
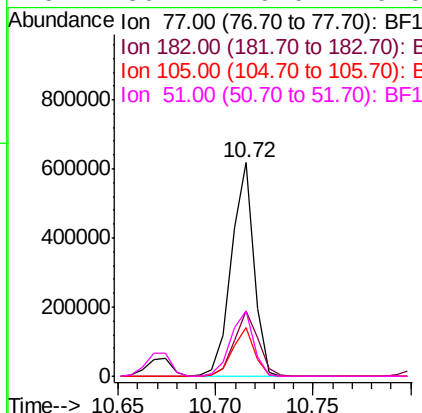
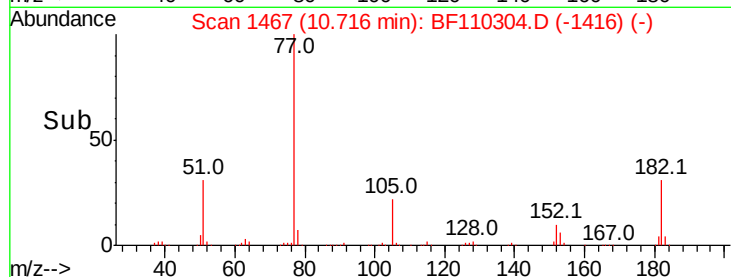
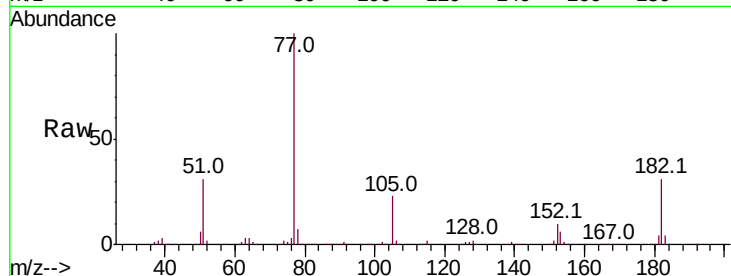
#63
Azobenzene
Concen: 31.606 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		491067		
182	30.7	4.3	44.3		
105	23.0	1.3	41.3		
51	30.7	9.0	49.0		

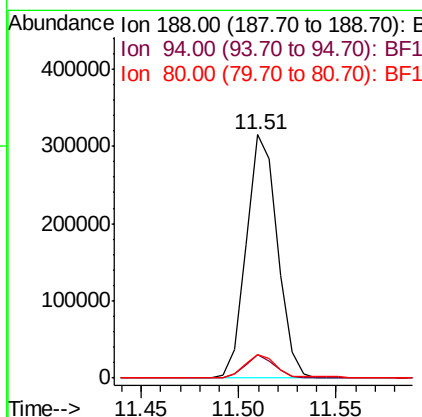
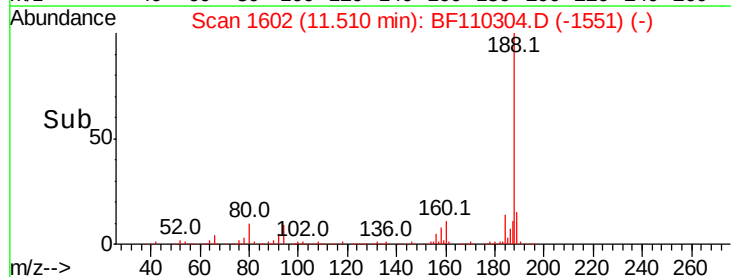
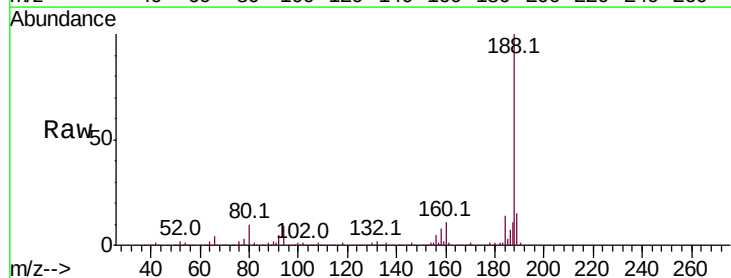
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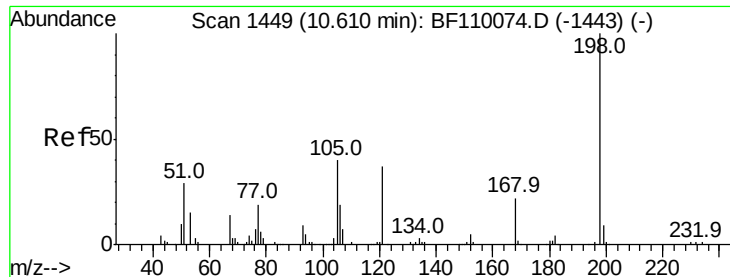
Sohil
10/31/2018 11:14:59 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		348792		
94	9.5	7.2	10.8		
80	9.8	7.9	11.9		





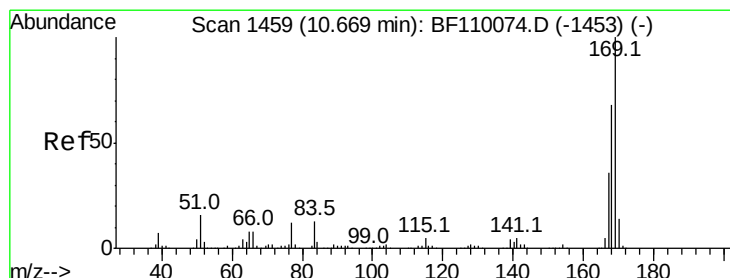
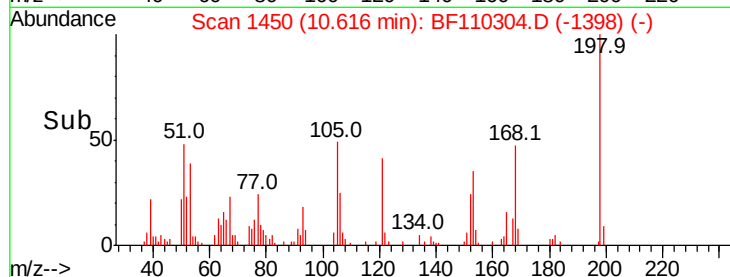
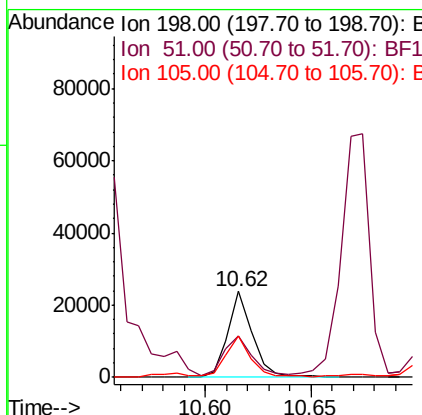
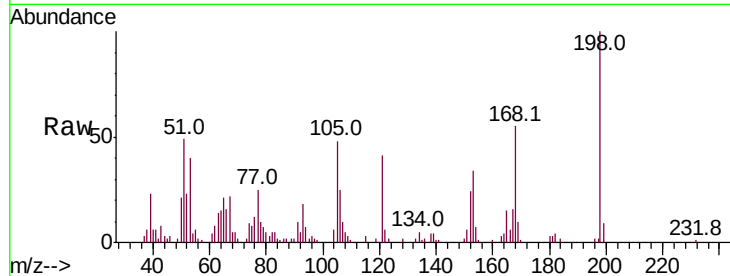
#65
4,6-Dinitro-2-methylphenol
Concen: 12.037 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
198	100		
51	48.9	22.8	62.8
105	48.5	23.6	63.6

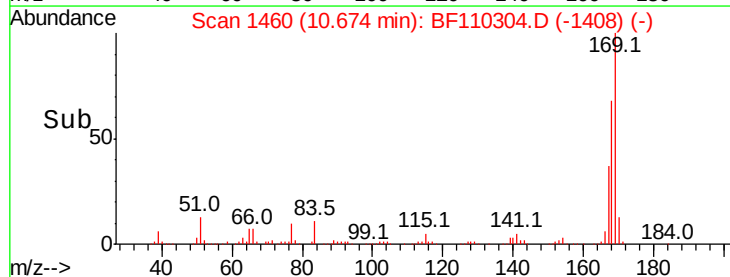
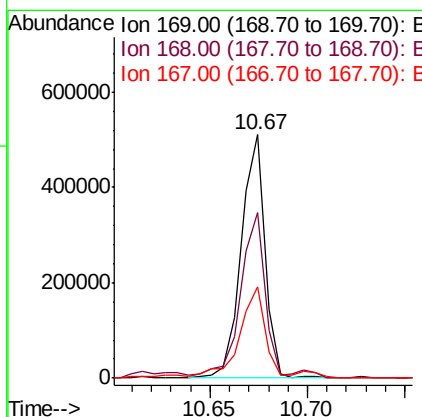
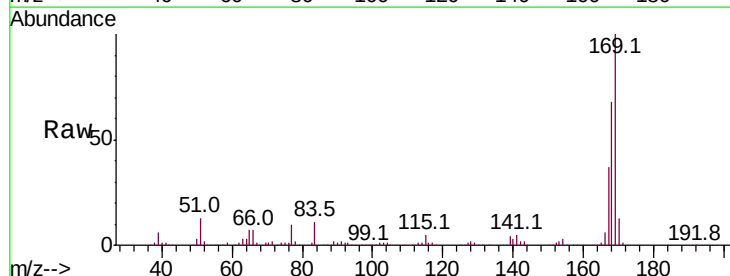
Manual Integrations
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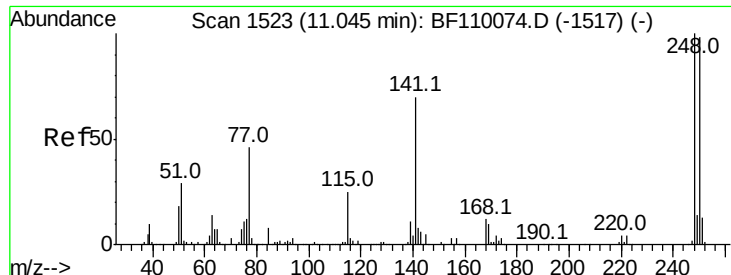
Sohil
10/31/2018 11:14:59 AM



#66
n-Nitrosodiphenylamine
Concen: 37.519 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.8	51.2	76.8
167	37.3	27.8	41.6





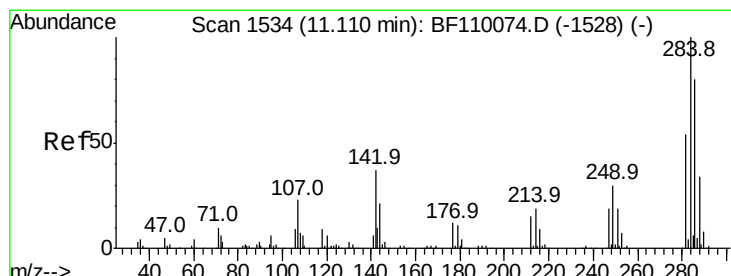
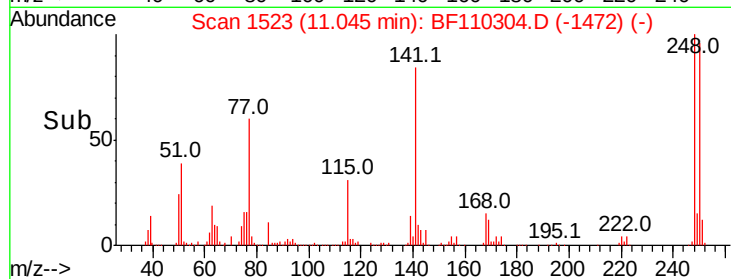
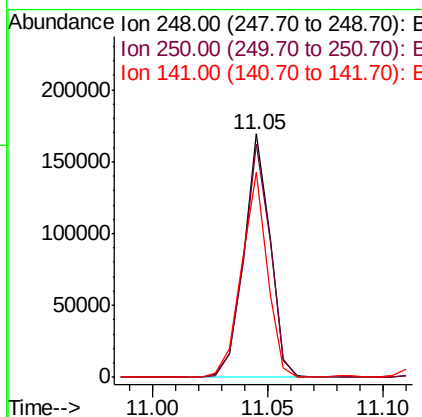
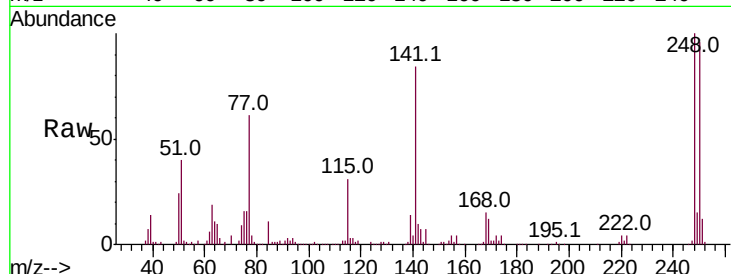
#67
4-Bromophenyl-phenylether
Concen: 35.481 ng
RT: 11.05 min Scan# 1523
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.8	79.4	119.2
141	84.2	55.9	83.9#

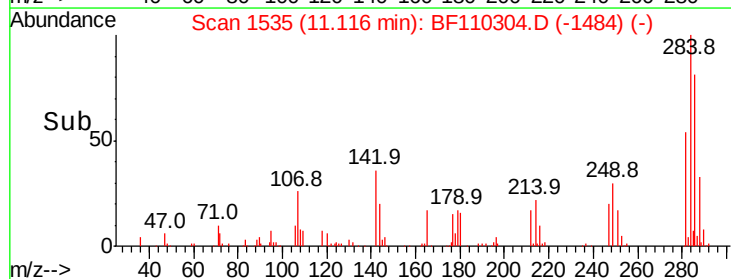
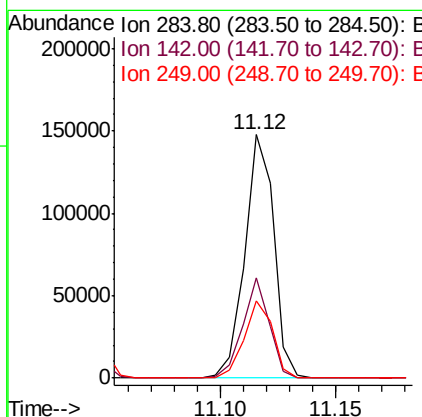
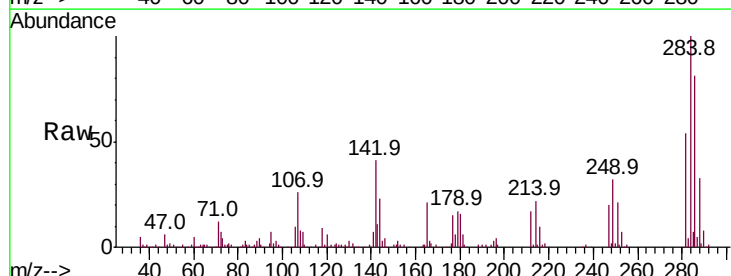
Manual Integrations
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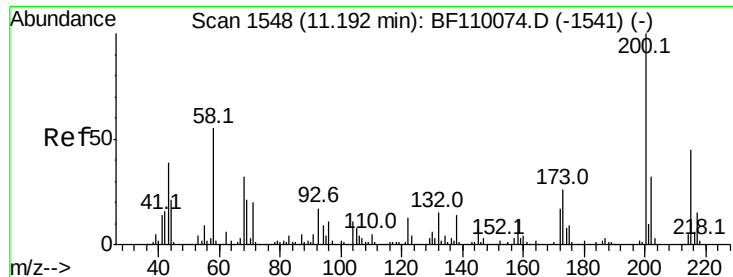
Sohil
10/31/2018 11:14:59 AM



#68
Hexachlorobenzene
Concen: 32.393 ng
RT: 11.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.0	23.9	35.9#
249	32.0	24.2	36.2





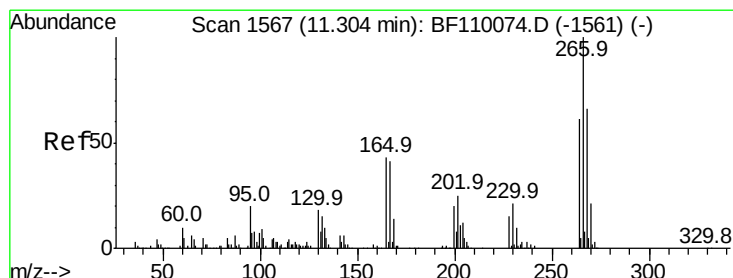
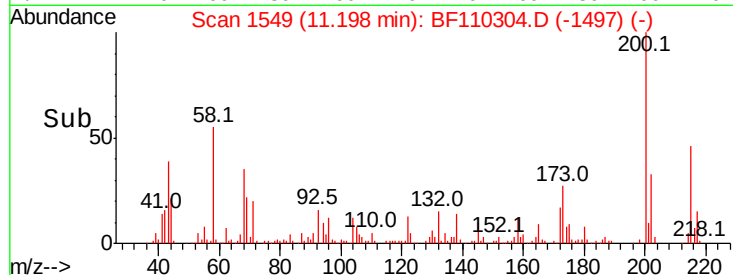
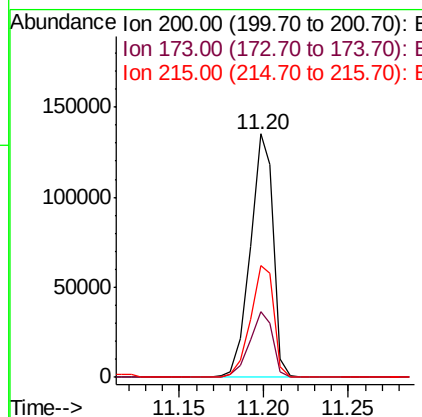
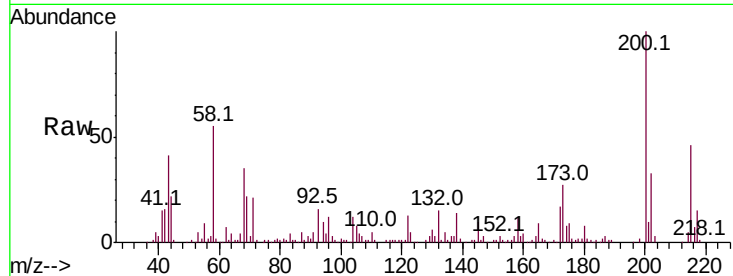
#69
Atrazine
Concen: 35.585 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.0	6.6	46.6
215	46.0	26.3	66.3

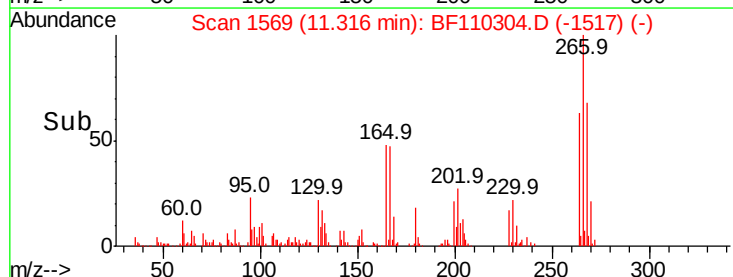
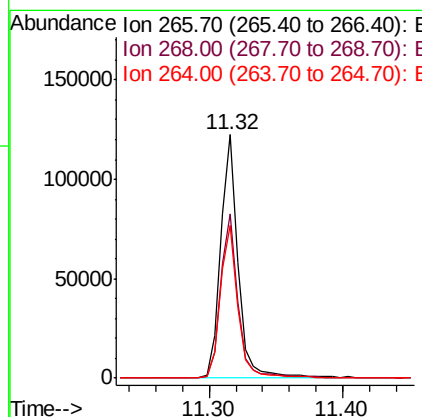
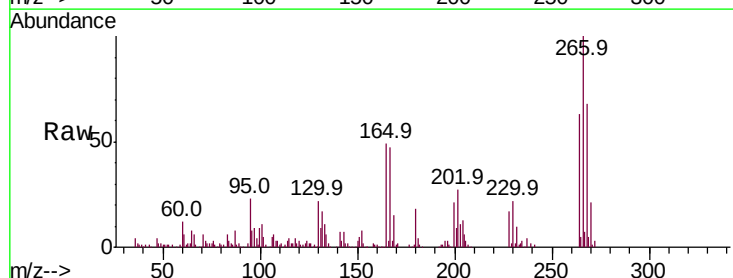
Manual Integrations
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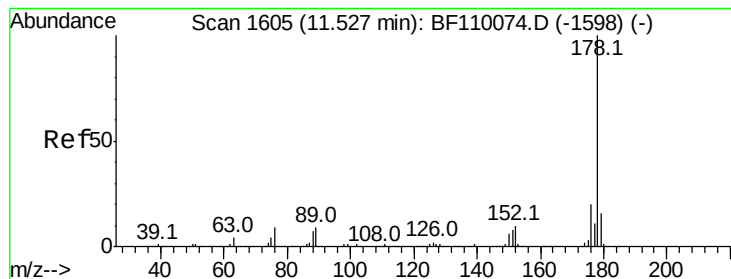
Sohil
10/31/2018 11:14:59 AM



#70
Pentachlorophenol
Concen: 48.802 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	67.5	50.6	75.8
264	62.7	50.6	75.8





#71

Phenanthrene

Concen: 115.657 ng

RT: 11.54 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

ClientSampleId :

RED-SHALEMS

Tot Ion:178 Resp: 2110796

Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

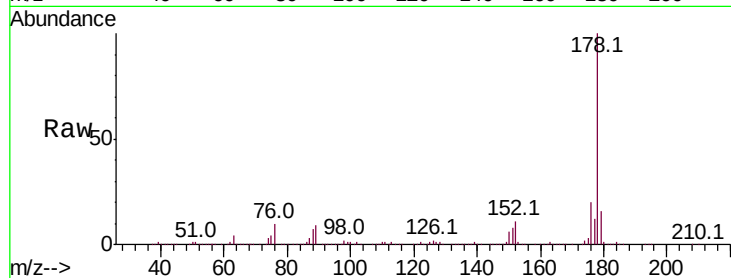
179 16.1 12.5 18.7

Manual Integrations

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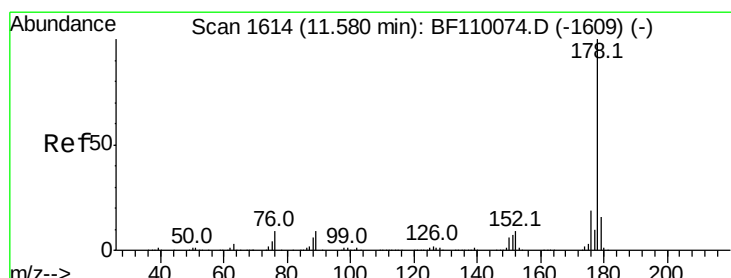
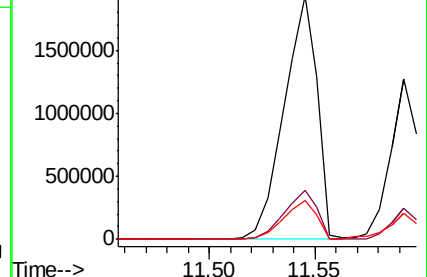
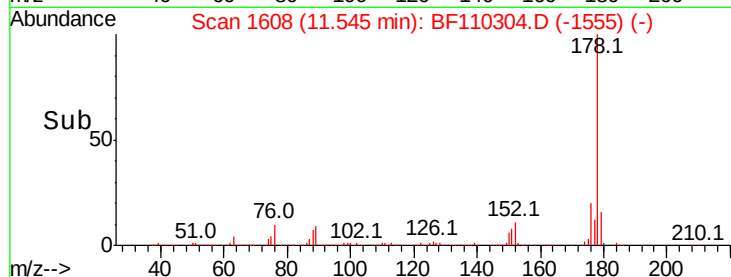
10/31/2018 11:14:59 AM



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

Anthracene

Concen: 62.368 ng

RT: 11.59 min Scan# 1616

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

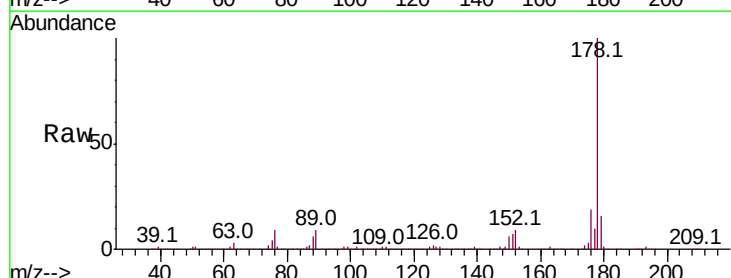
Tgt Ion:178 Resp: 1140907

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

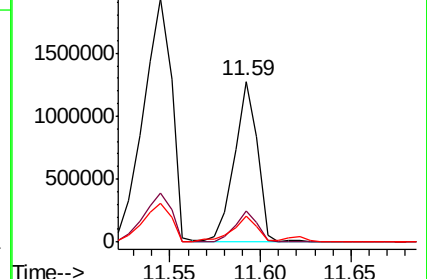
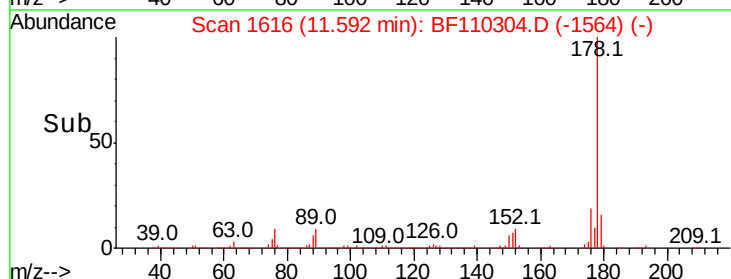
179 15.8 12.6 18.8

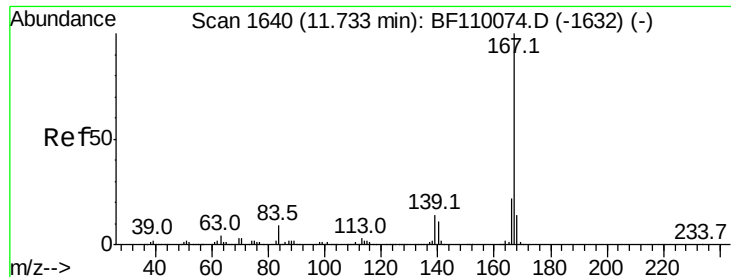


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





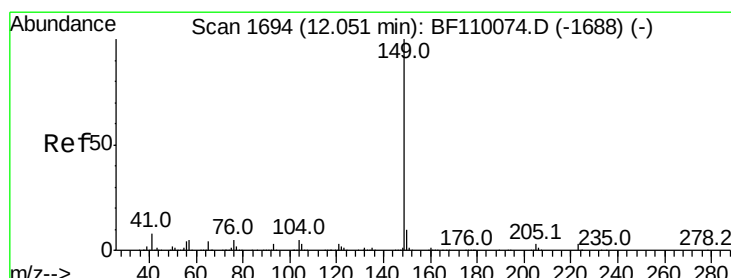
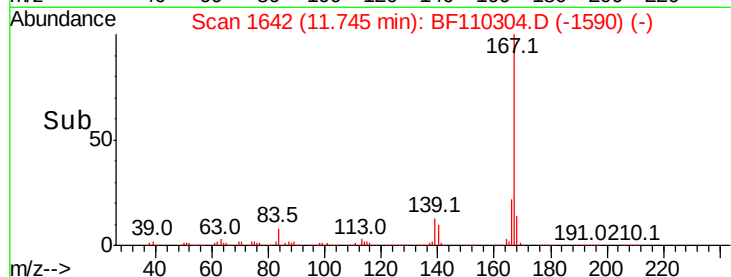
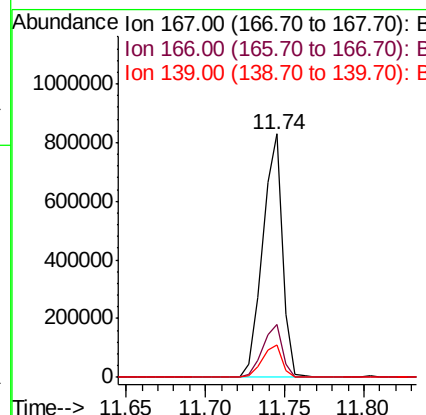
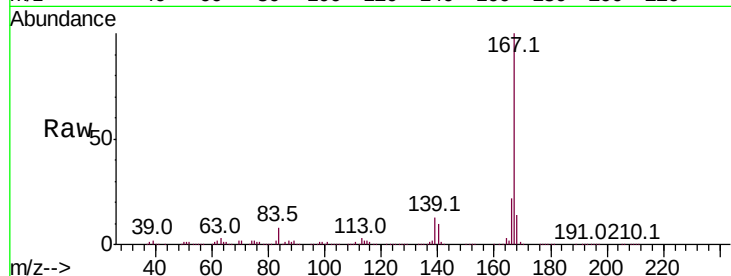
#73
 Carbazole
 Concen: 40.538 ng
 RT: 11.74 min Scan# 1642
 Delta R.T. 0.01 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :
 RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.0
139	13.1	10.9	16.3

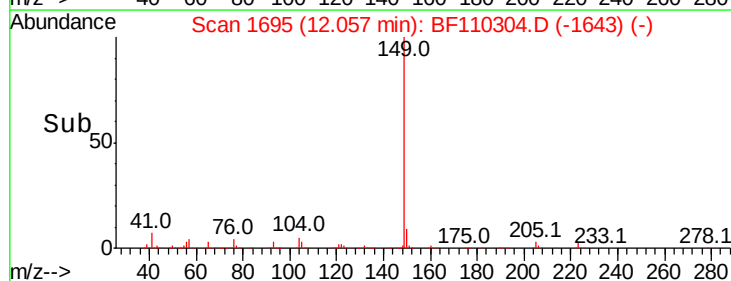
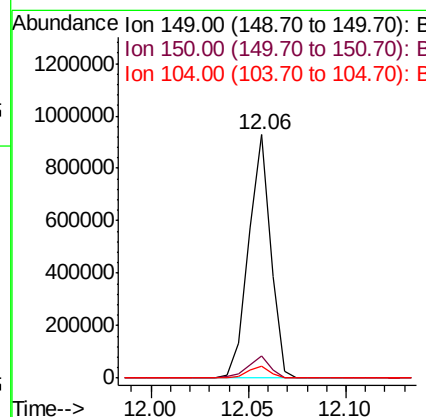
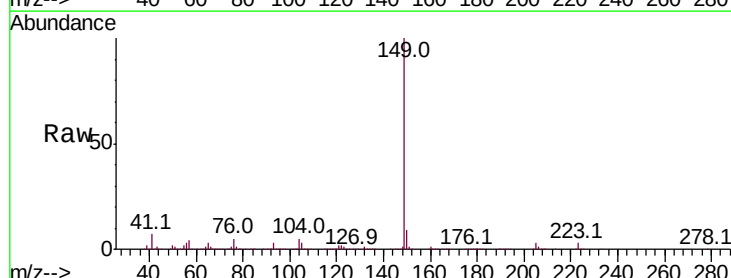
Manual Integrations
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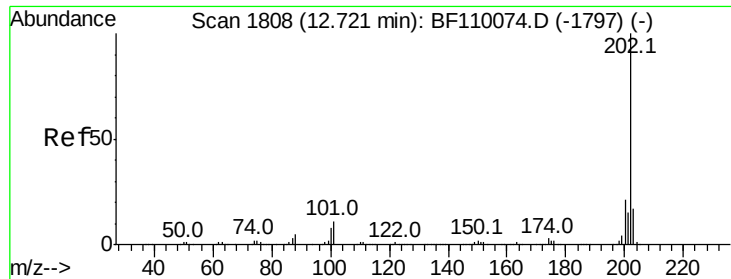
Sohil
 10/31/2018 11:14:59 AM



#74
 Di-n-butylphthalate
 Concen: 36.105 ng
 RT: 12.06 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: BF110304.D
 Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.7	11.5
104	4.9	4.2	6.4





#75

Fluoranthene

Concen: 120.197 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.02 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

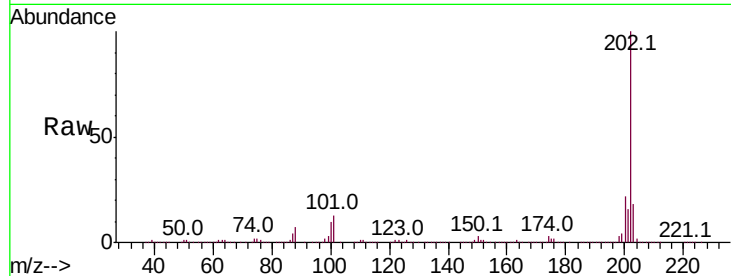
ClientSampleId :

RED-SHALEMS

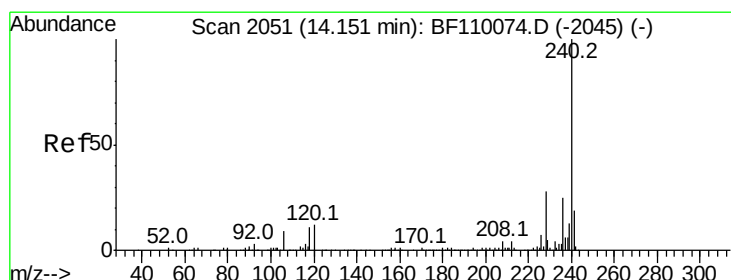
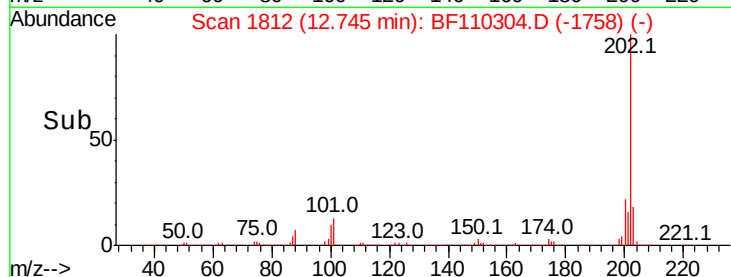
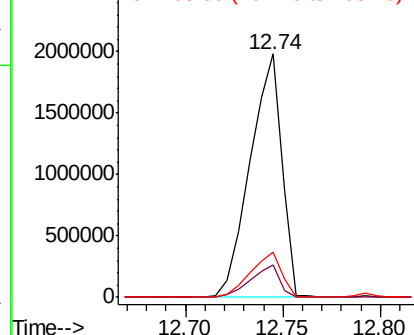
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.4
203	18.3	0.0	37.7

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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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

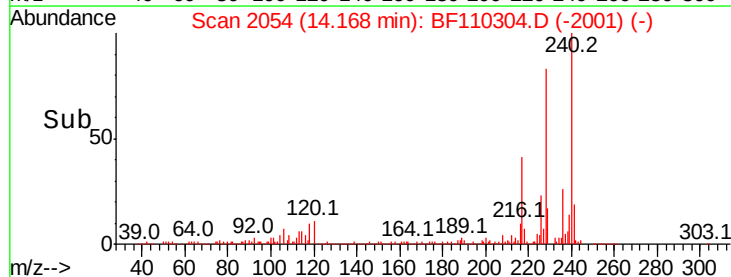
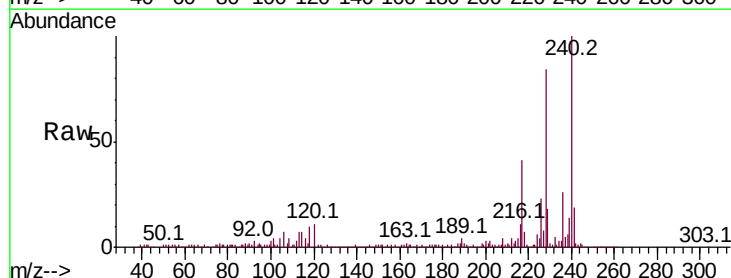
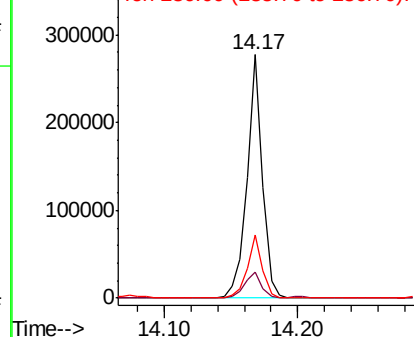
Delta R.T. 0.01 min

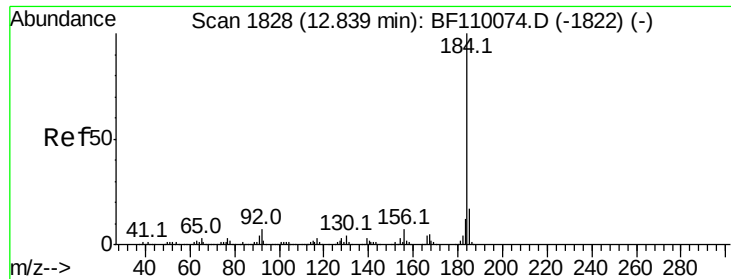
Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.3	12.5
236	26.2	21.2	31.8

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





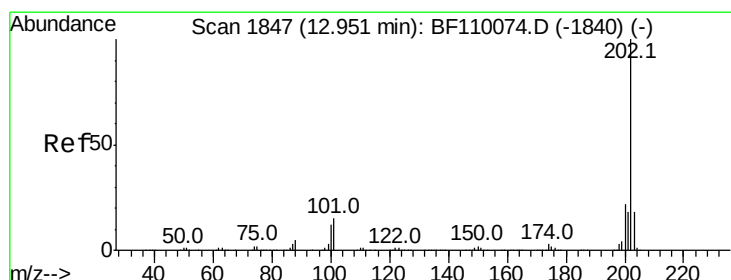
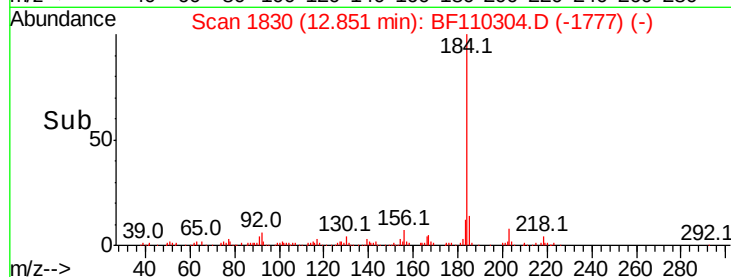
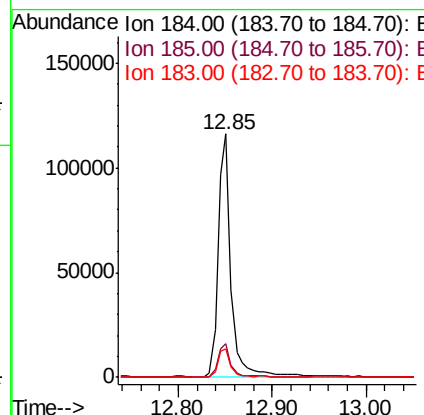
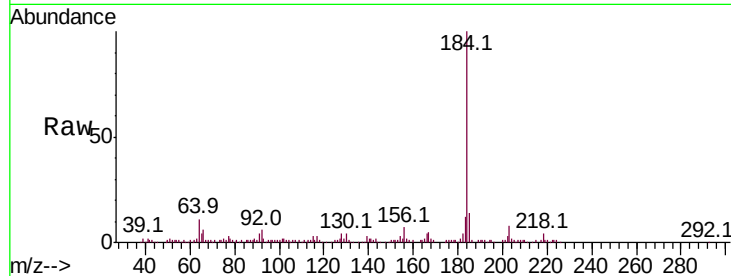
#77
Benzidine
Concen: 13.290 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
184	100		
185	13.6	13.4	20.2
183	11.9	9.4	14.2

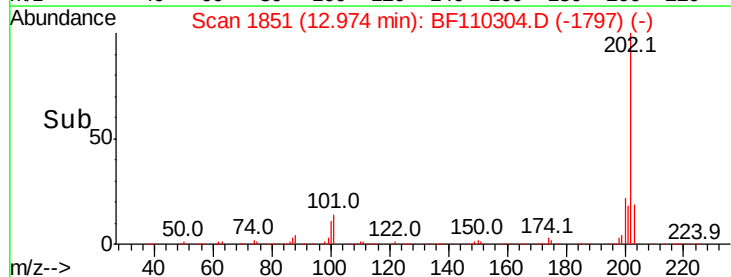
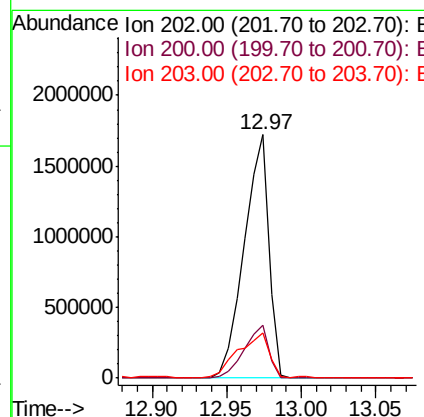
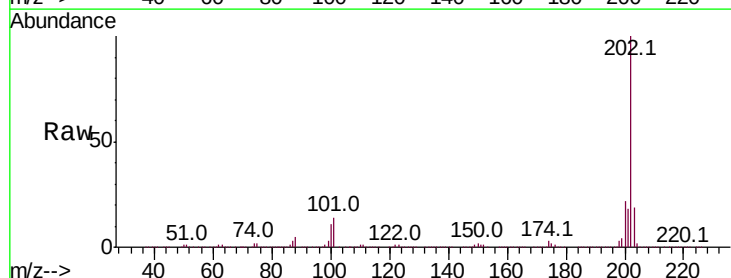
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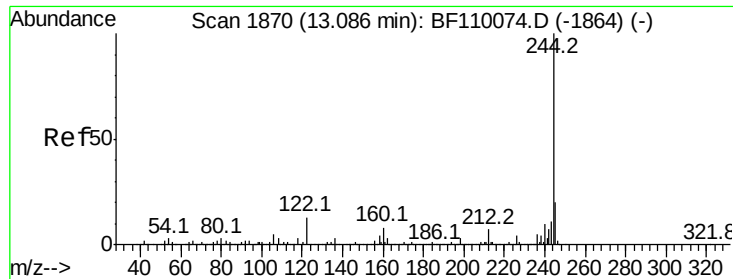
Sohil
10/31/2018 11:14:59 AM



#78
Pyrene
Concen: 123.915 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.02 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.6
203	18.8	14.2	21.4





#79

Terphenyl-d14

Concen: 68.538 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

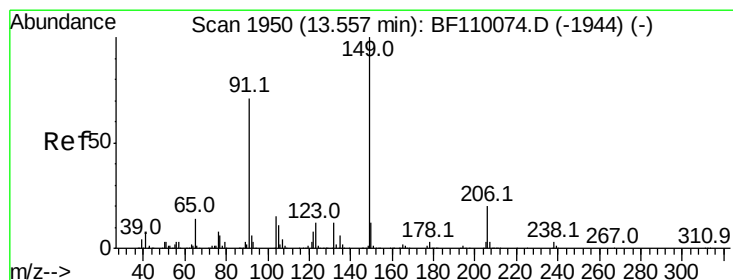
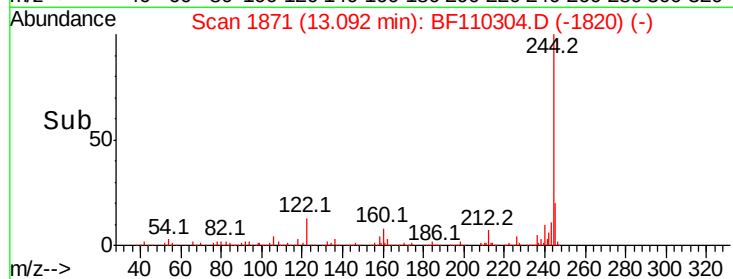
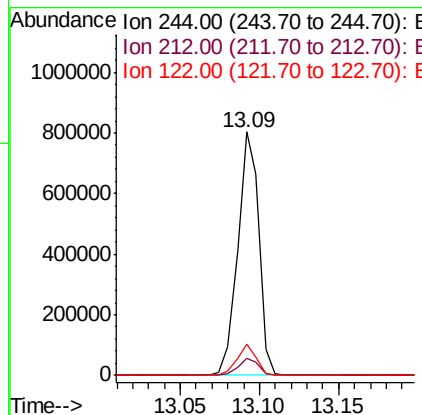
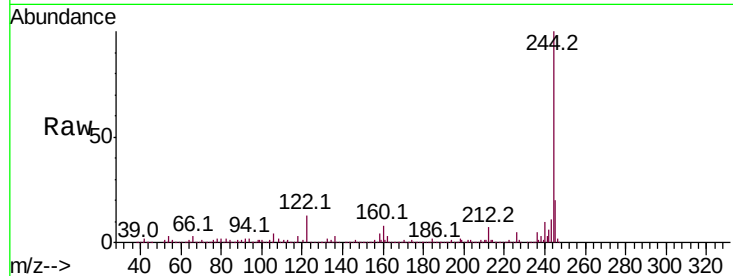
ClientSampleId :

RED-SHALEMS

Tot Ion:	244	Resp:	734161
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	12.8	8.7	13.1

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 36.317 ng

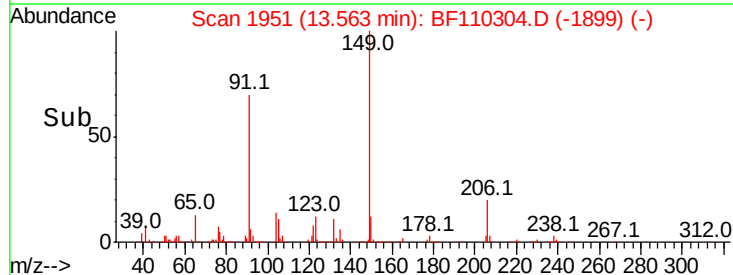
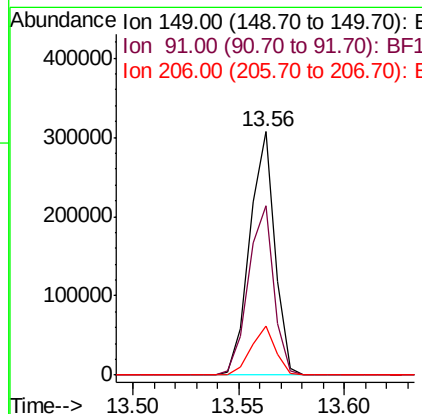
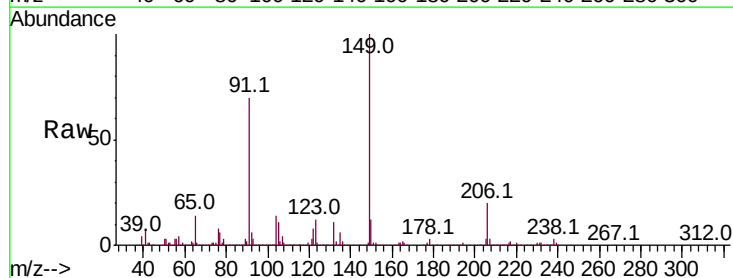
RT: 13.56 min Scan# 1951

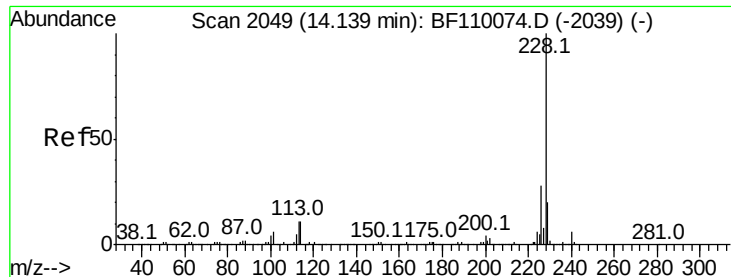
Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion:	149	Resp:	251749
Ion Ratio	Lower	Upper	
149	100		
91	69.7	57.2	85.8
206	19.9	15.7	23.5





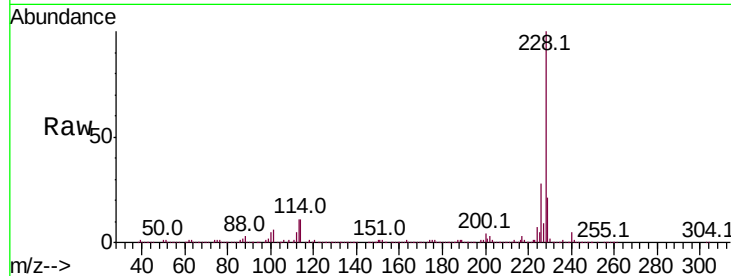
#81
Benzo(a)anthracene
Concen: 91.851 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	20.8	15.6	23.4

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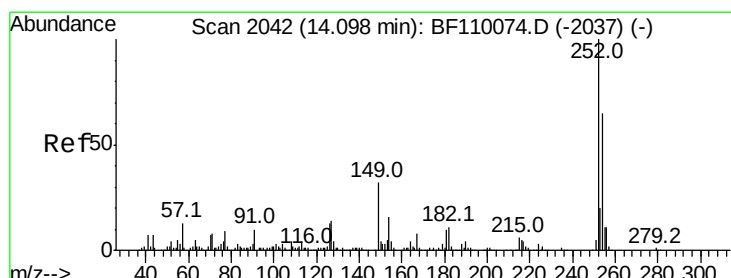
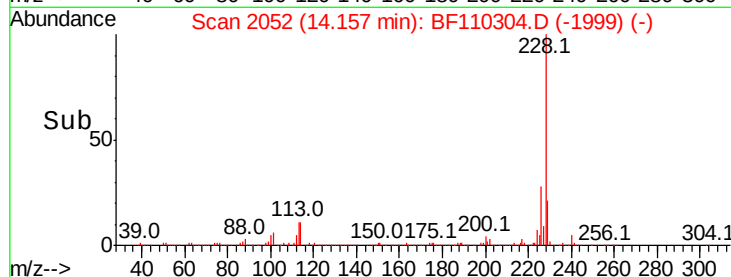
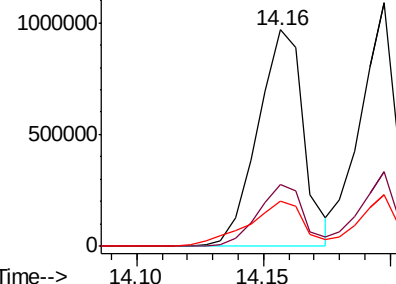


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 28.423 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

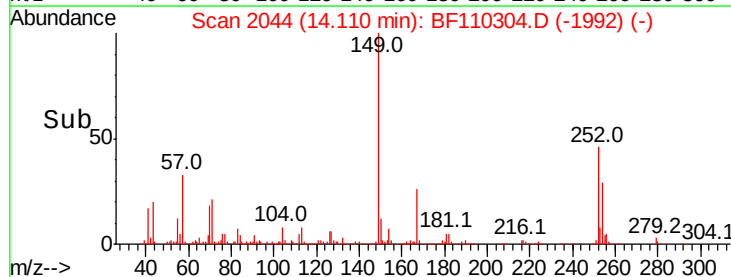
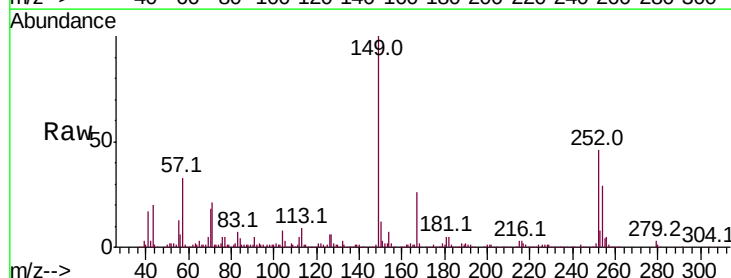
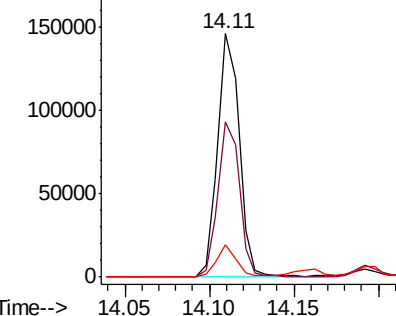
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.3	76.9
126	13.3	9.4	14.2

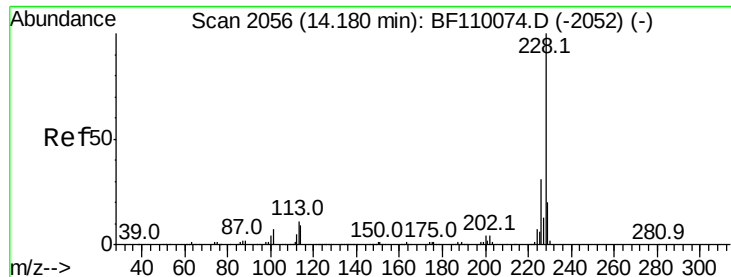
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





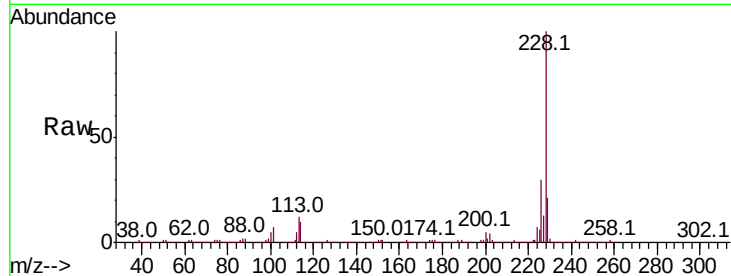
#83
Chrysene
Concen: 82.572 ng
RT: 14.20 min Scan# 2059
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	21.4	15.9	23.9

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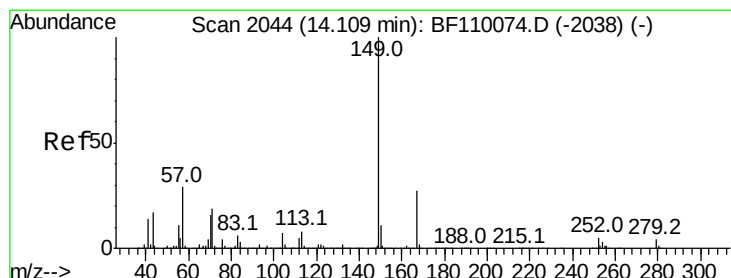
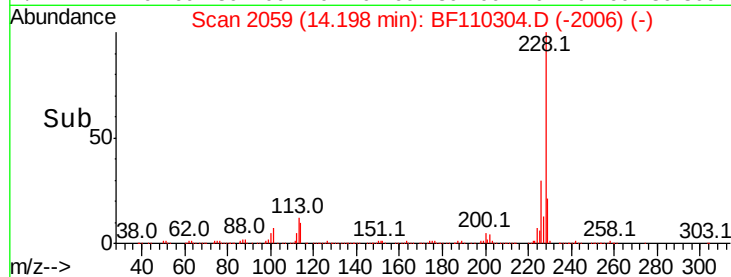
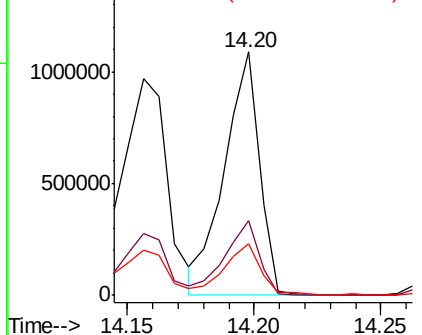


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.152 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.01 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

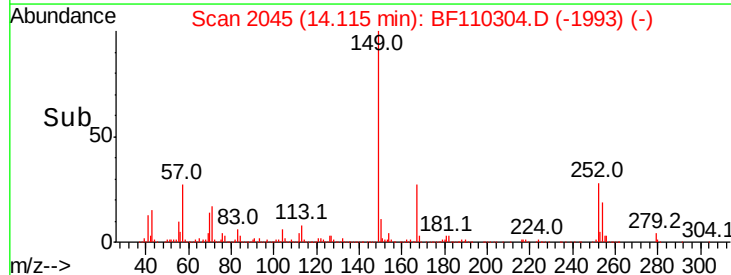
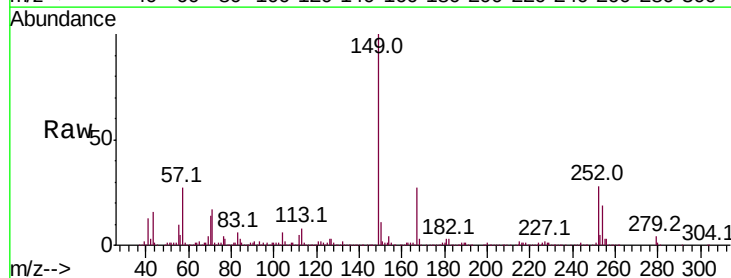
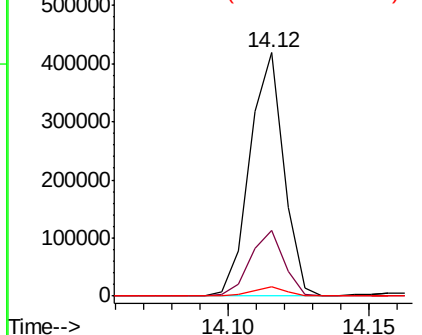
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	19.8	29.8
279	4.0	2.7	4.1

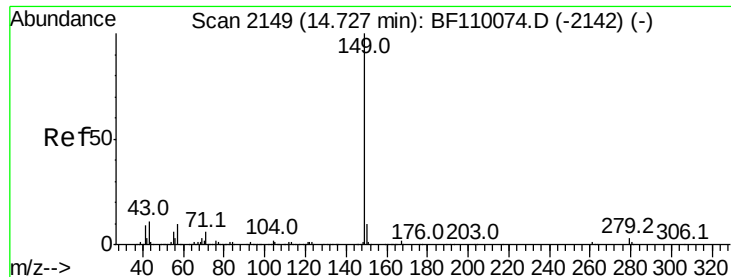
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





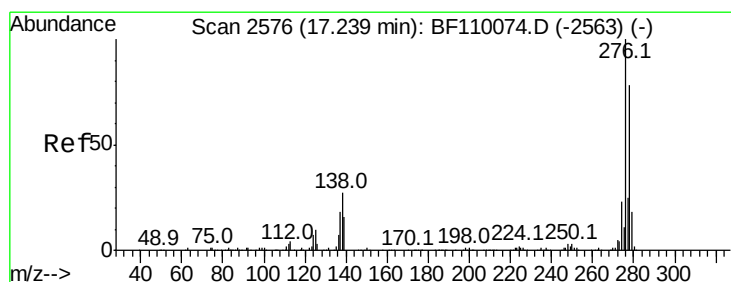
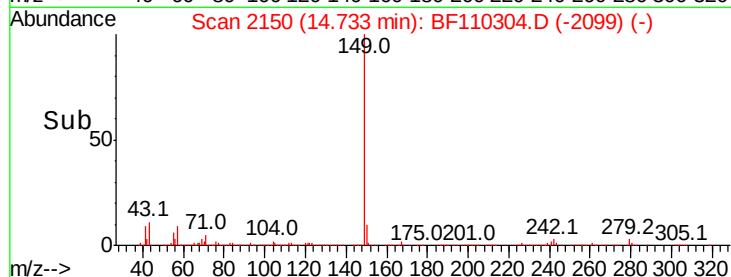
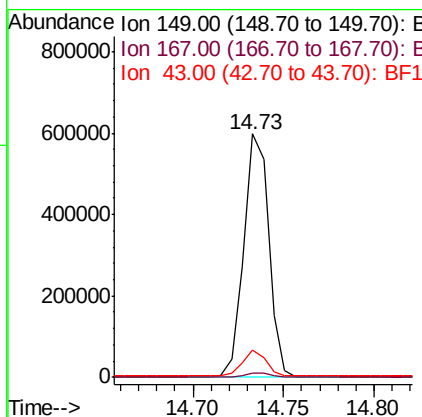
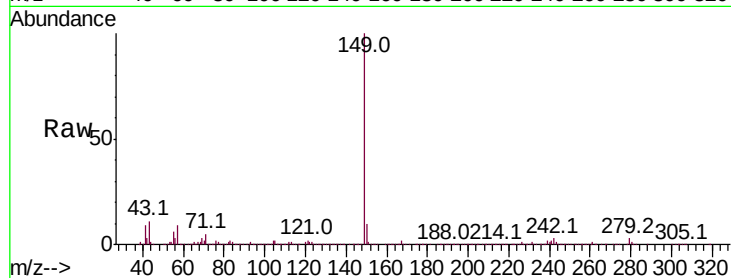
#85
Di-n-octyl phthalate
Concen: 39.279 ng
RT: 14.73 min Scan# 2150
Delta R.T. 0.00 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	2.0	1.1	1.7#
43	10.2	7.8	11.8

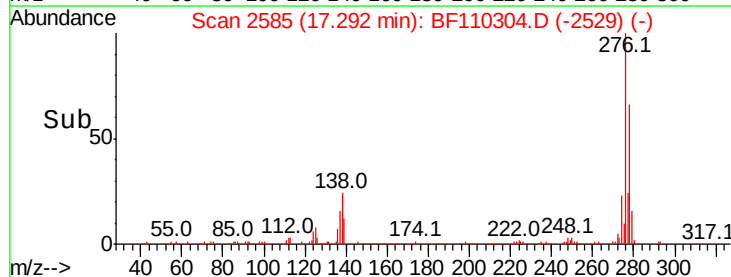
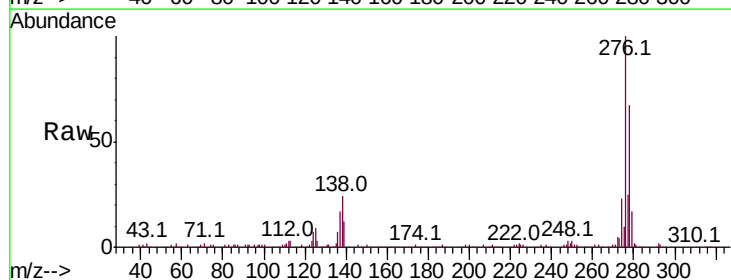
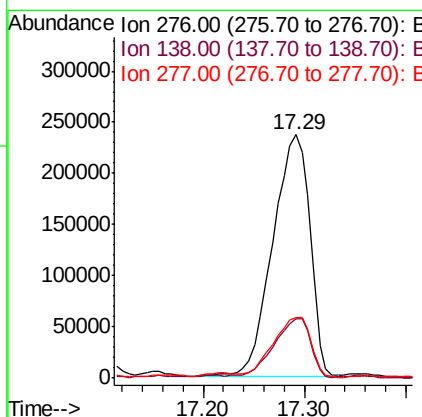
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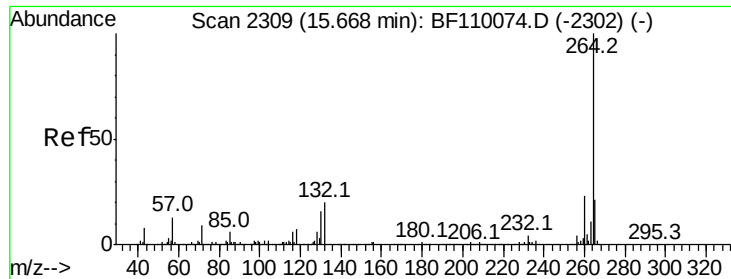
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 58.510 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.03 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	24.1	18.5	27.7
277	25.0	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.01 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Instrument :

BNA_F

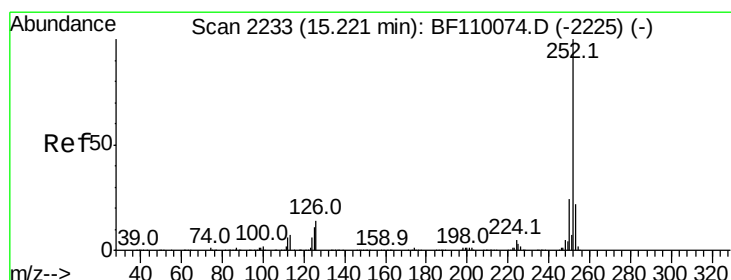
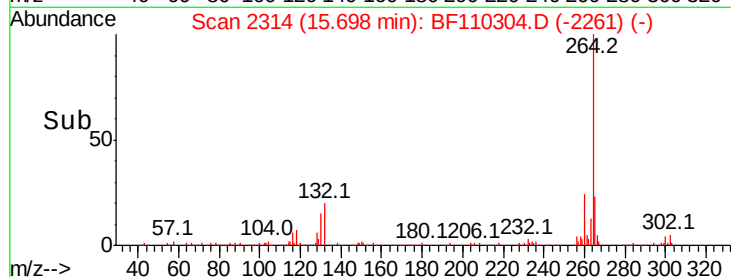
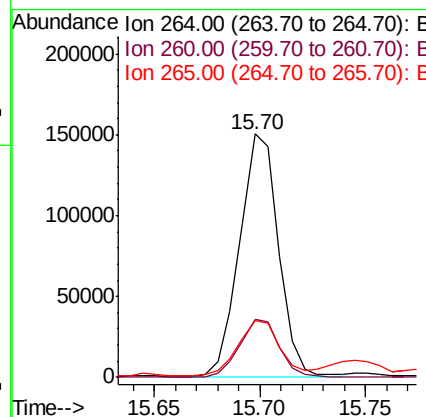
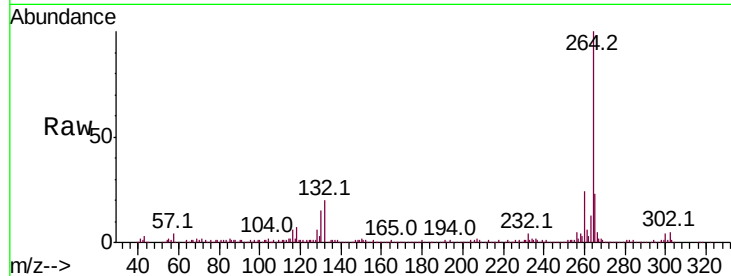
ClientSampleId :

RED-SHALEMS

Tot Ion:	264	Resp:	190845
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.7	28.1
265	23.4	16.7	25.1

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 110.278 ng

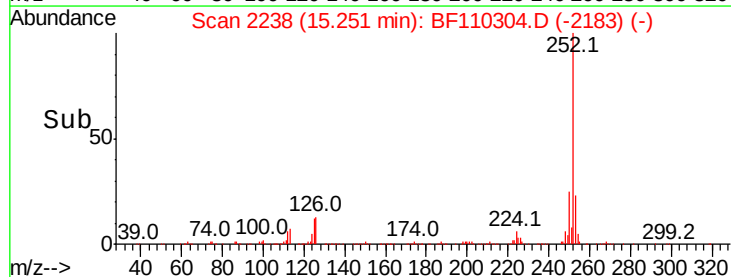
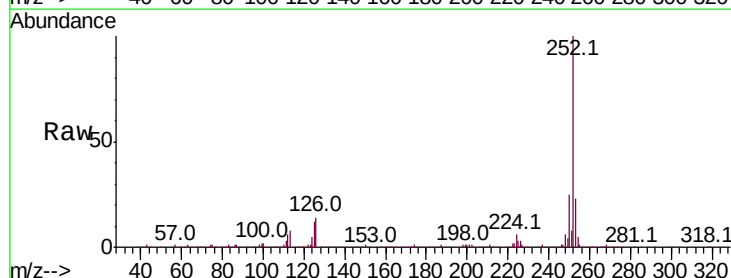
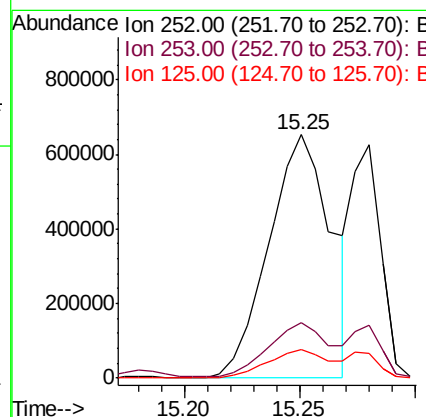
RT: 15.25 min Scan# 2238

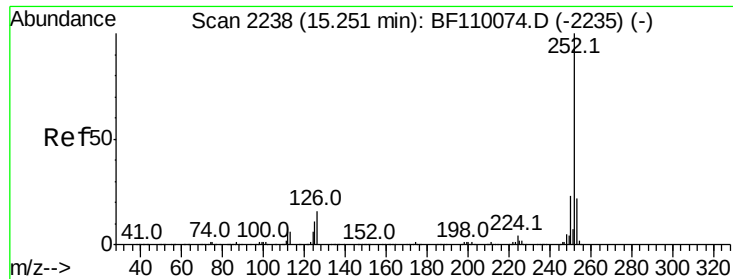
Delta R.T. 0.02 min

Lab File: BF110304.D

Acq: 30 Oct 2018 15:47

Tgt Ion:	252	Resp:	1215325
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	12.0	8.2	12.4





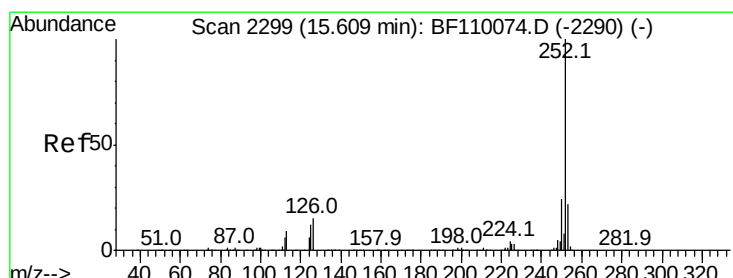
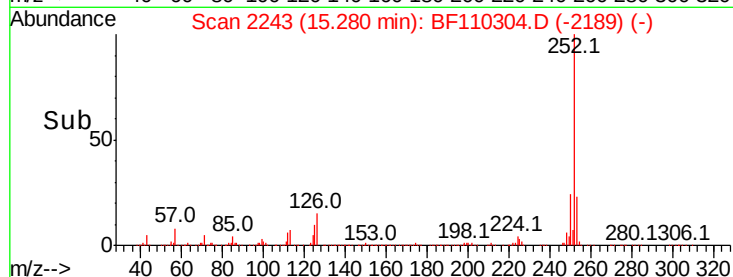
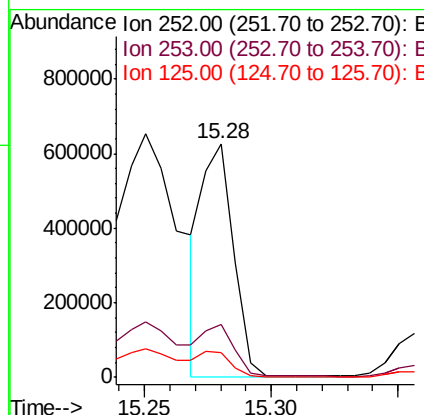
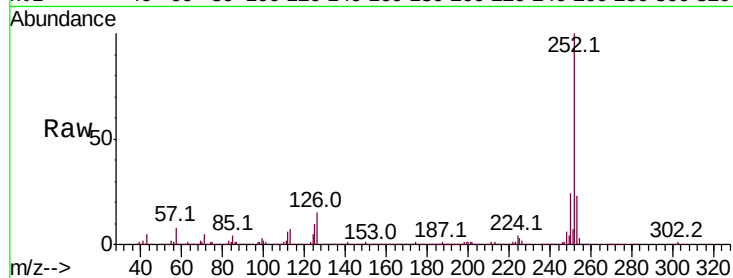
#89
Benzo(k)fluoranthene
Concen: 50.020 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.02 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	10.5	7.4	11.0

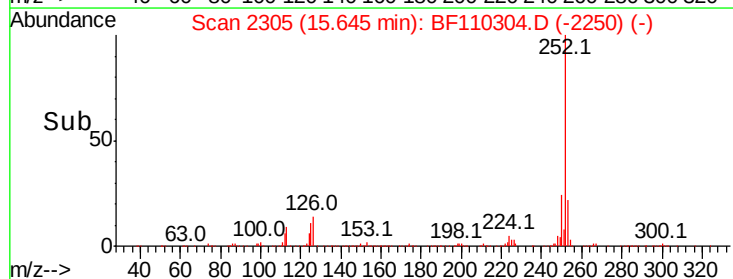
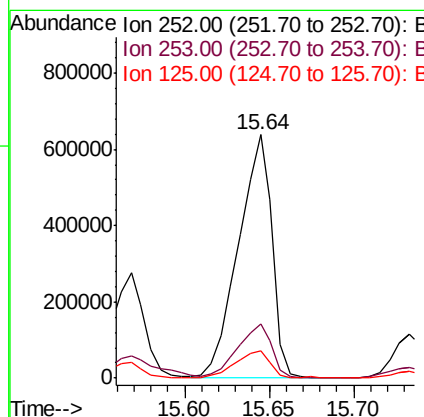
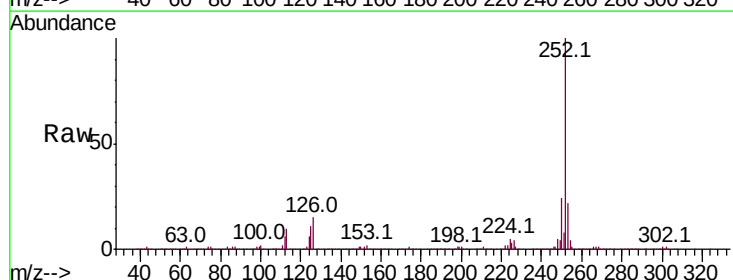
Manual Integrations
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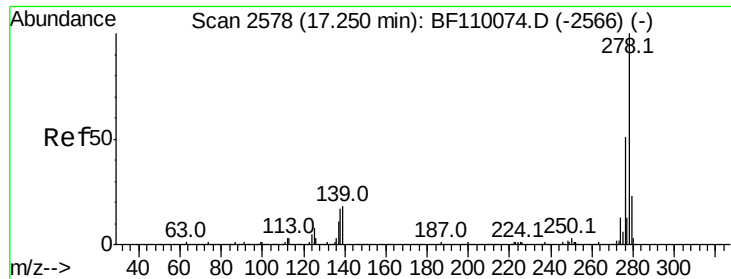
Sohil
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#90
Benzo(a)pyrene
Concen: 86.822 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	11.4	9.0	13.6





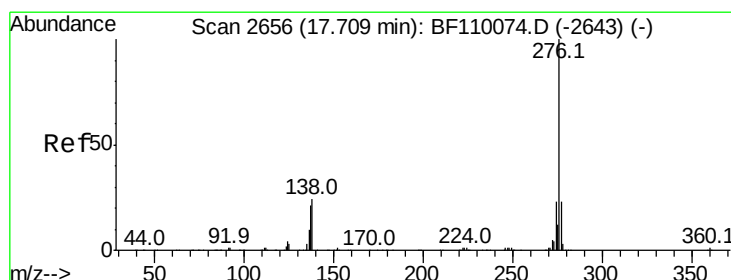
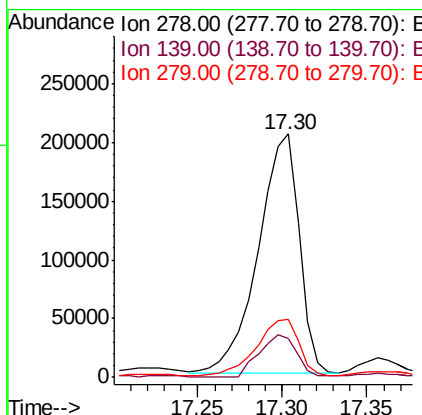
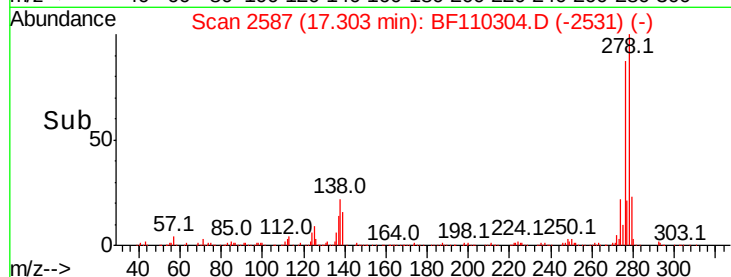
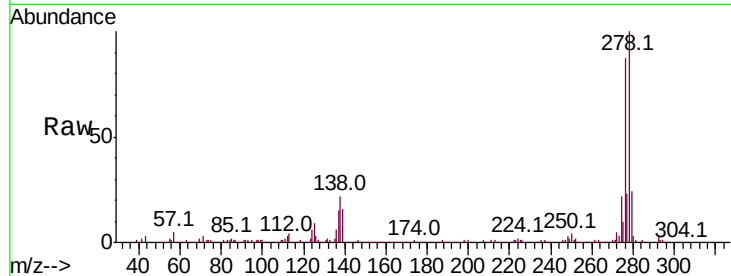
#91
Dibenzo(a,h)anthracene
Concen: 39.096 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.03 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.7	19.1
279	23.7	19.0	28.4

Manual Integrations
APPROVED

Sohil
10/31/2018 11:14:59 AM



#92
Benzo(g,h,i)perylene
Concen: 60.778 ng
RT: 17.77 min Scan# 2667
Delta R.T. 0.04 min
Lab File: BF110304.D
Acq: 30 Oct 2018 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.1	16.0	24.0

