

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110118.D
 Acq On : 24 Oct 2018 16:42
 Operator : JU/SJ
 Sample : J5603-19MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MS

Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:14 AM

Quant Time: Oct 25 04:12:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	162377	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	597969	20.00	ng	-0.02
39) Acenaphthene-d10	10.02	164	239350	20.00	ng	-0.01
64) Phenanthrene-d10	11.50	188	369524	20.00	ng	-0.01
76) Chrysene-d12	14.16	240	292388	20.00	ng	0.00
87) Perylene-d12	15.69	264	232129	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	544515	54.61	ng	-0.01
7) Phenol-d6	6.59	99	439728	34.48	ng	-0.02
23) Nitrobenzene-d5	7.53	82	787520	78.11	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	219721	92.67	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1315169	86.28	ng	-0.01
79) Terphenyl-d14	13.09	244	1008494	71.73	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.86	88	74453	14.252	ng	89
3) Pyridine	3.63	79	163040	14.012	ng	# 85
4) n-Nitrosodimethylamine	3.57	42	99115	20.331	ng	94
6) Aniline	6.63	93	206756	12.445	ng	# 54
8) 2-Chlorophenol	6.75	128	392576	34.149	ng	95
9) Benzaldehyde	6.52	77	269818	35.200	ng	97
10) Phenol	6.60	94	212298	15.572	ng	# 64
11) bis(2-Chloroethyl)ether	6.70	93	439374	39.173	ng	91
12) 1,3-Dichlorobenzene	6.91	146	441016	34.860	ng	98
13) 1,4-Dichlorobenzene	6.99	146	446957	34.932	ng	98
14) 1,2-Dichlorobenzene	7.14	146	417173	35.122	ng	98
15) Benzyl Alcohol	7.10	79	261225	26.630	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.24	45	715980	39.924	ng	69
17) 2-Methylphenol	7.22	107	266800	29.121	ng	# 79
18) Hexachloroethane	7.48	117	142298	30.377	ng	95
19) n-Nitroso-di-n-propylamine	7.38	70	314670	38.458	ng	98
20) 3+4-Methylphenols	7.36	107	304697	25.729	ng	97
22) Acetophenone	7.37	105	620018	44.999	ng	96
24) Nitrobenzene	7.55	77	461938	44.381	ng	95
25) Isophorone	7.79	82	851777	49.565	ng	96
26) 2-Nitrophenol	7.87	139	199323	40.243	ng	90
27) 2,4-Dimethylphenol	7.90	122	366873	44.676	ng	97
28) bis(2-Chloroethoxy)methane	7.99	93	545116	46.693	ng	99
29) 2,4-Dichlorophenol	8.10	162	337503	40.681	ng	97
30) 1,2,4-Trichlorobenzene	8.19	180	362570	39.016	ng	96
31) Naphthalene	8.27	128	1189972	43.178	ng	99
32) Benzoic acid	7.97	122	57986	9.136	ng	91
33) 4-Chloroaniline	8.32	127	101151	8.155	ng	99
34) Hexachlorobutadiene	8.39	225	193431	37.488	ng	99
35) Caprolactam	8.68	113	18483	6.392	ng	# 90
36) 4-Chloro-3-methylphenol	8.79	107	323729	36.085	ng	94
37) 2-Methylnaphthalene	8.97	142	804956	44.145	ng	98
38) 1-Methylnaphthalene	9.07	142	750985	42.618	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.13	216	341363	45.774	ng	99

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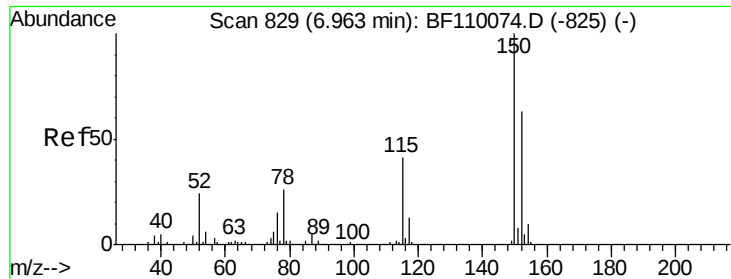
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.12	237	85908	22.528	nq	100
43) 2,4,6-Trichlorophenol	9.24	196	214290	44.550	nq	95
44) 2,4,5-Trichlorophenol	9.28	196	226592	44.566	nq	97
46) 1,1'-Biphenyl	9.43	154	954897	44.118	nq	98
47) 2-Chloronaphthalene	9.46	162	707046	44.533	nq	99
48) 2-Nitroaniline	9.55	65	224862	46.738	nq	96
49) Acenaphthylene	9.87	152	1053339	45.934	nq	97
50) Dimethylphthalate	9.73	163	895473	50.683	nq	99
51) 2,6-Dinitrotoluene	9.79	165	167914	44.120	nq	98
52) Acenaphthene	10.05	154	652058	42.982	nq	98
53) 3-Nitroaniline	9.96	138	100966	22.309	nq	88
54) 2,4-Dinitrophenol	10.07	184	23158	19.515	nq	89
55) Dibenzofuran	10.22	168	915056	43.082	nq	95
56) 4-Nitrophenol	10.12	139	135854	40.558	nq	91
57) 2,4-Dinitrotoluene	10.20	165	195168	40.373	nq	# 88
58) Fluorene	10.56	166	691386	43.737	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.33	232	172126	41.533	nq	96
60) Diethylphthalate	10.43	149	805970	46.731	nq	99
61) 4-Chlorophenyl-phenylether	10.55	204	347522	41.674	nq	99
62) 4-Nitroaniline	10.58	138	154843	34.399	nq	90
63) Azobenzene	10.71	77	713052	41.651	nq	97
65) 4,6-Dinitro-2-methylphenol	10.60	198	19076	11.299	nq	86
66) n-Nitrosodiphenylamine	10.67	169	616446	50.860	nq	97
67) 4-Bromophenyl-phenylether	11.05	248	194038	48.409	nq	99
68) Hexachlorobenzene	11.11	284	190795	44.863	nq	# 90
69) Atrazine	11.19	200	184165	48.081	nq	98
70) Pentachlorophenol	11.30	266	172782	69.673	nq	98
71) Phenanthrene	11.53	178	897572	46.422	nq	100
72) Anthracene	11.58	178	923060	47.628	nq	99
73) Carbazole	11.73	167	803362	42.455	nq	100
74) Di-n-butylphthalate	12.06	149	1071373	50.131	nq	99
75) Fluoranthene	12.72	202	887763	45.241	nq	99
77) Benzidine	12.84	184	441873	Below	Cal	97
78) Pyrene	12.96	202	911754	43.496	nq	98
80) Butylbenzylphthalate	13.56	149	407471	44.786	nq	98
81) Benzo(a)anthracene	14.14	228	840093	48.450	nq	99
82) 3,3'-Dichlorobenzidine	14.10	252	268022	44.391	nq	98
83) Chrysene	14.19	228	776323	47.139	nq	99
84) Bis(2-ethylhexyl)phthalate	14.12	149	583587	47.450	nq	97
85) Di-n-octyl phthalate	14.74	149	1029831	53.850	nq	98
86) Indeno(1,2,3-cd)pyrene	17.25	276	573495	41.976	nq	95
88) Benzo(b)fluoranthene	15.23	252	691267	51.569	nq	99
89) Benzo(k)fluoranthene	15.26	252	663131m	50.321	nq	
90) Benzo(a)pyrene	15.62	252	611420	49.570	nq	97
91) Dibenzo(a,h)anthracene	17.27	278	490732	46.109	nq	99
92) Benzo(g,h,i)perylene	17.73	276	465854	44.420	nq	96

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



#1

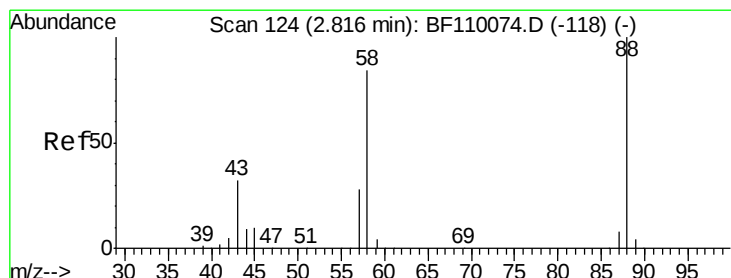
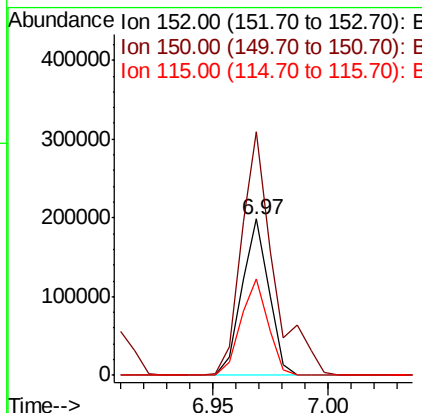
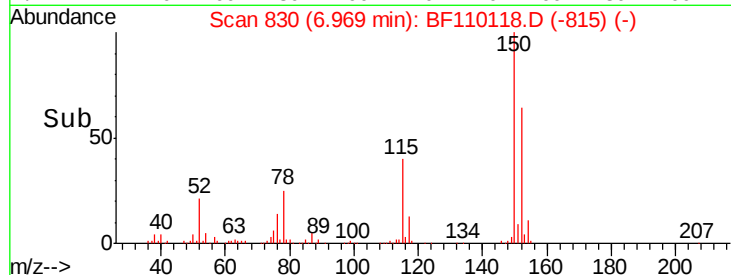
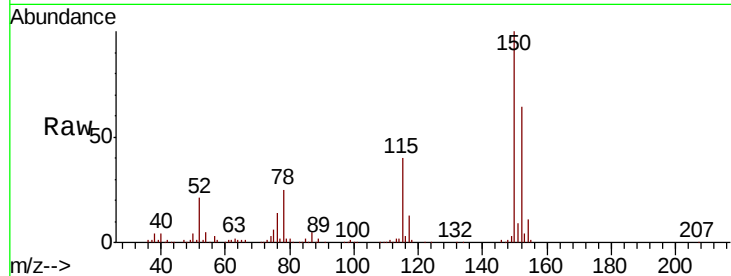
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.7	184.1
115	61.5	49.1	73.7

Manual Integrations
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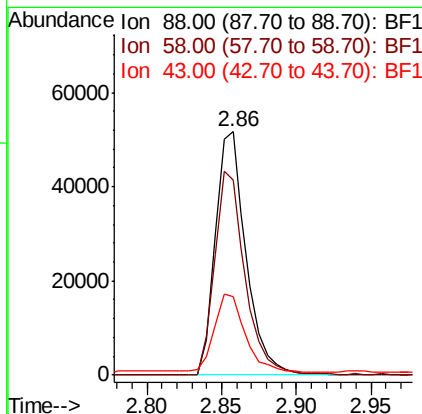
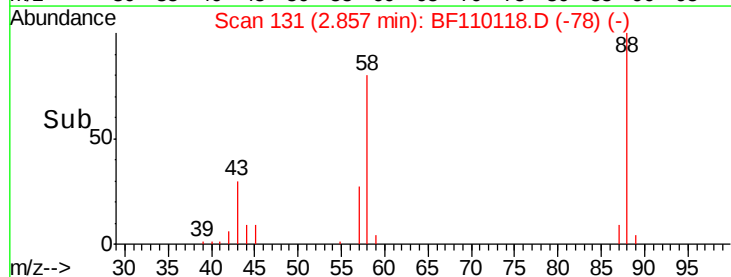
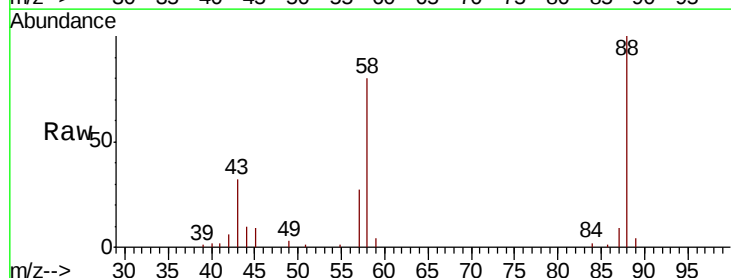
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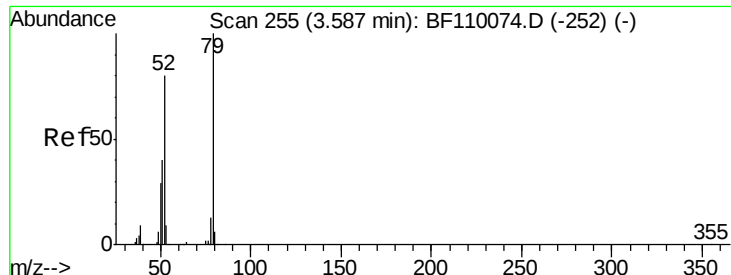


#2

1,4-Dioxane
Concen: 14.252 ng
RT: 2.86 min Scan# 131
Delta R.T. 0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.3	57.1	85.7
43	32.4	24.1	36.1





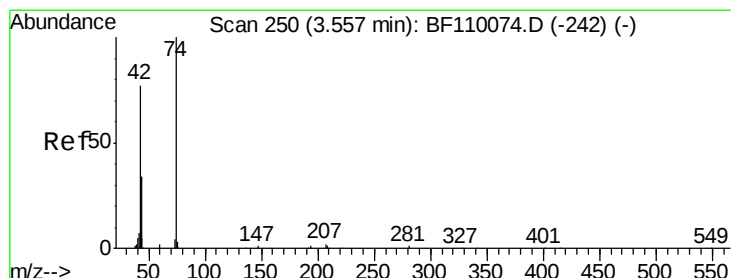
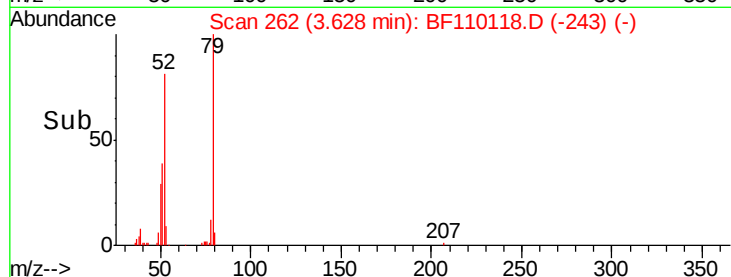
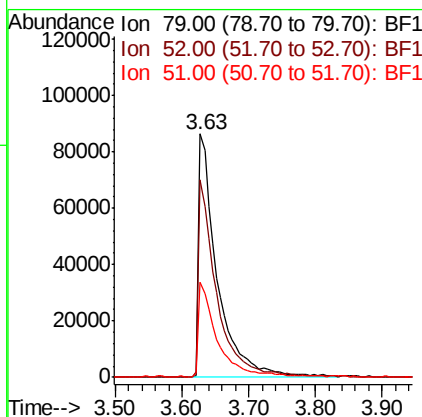
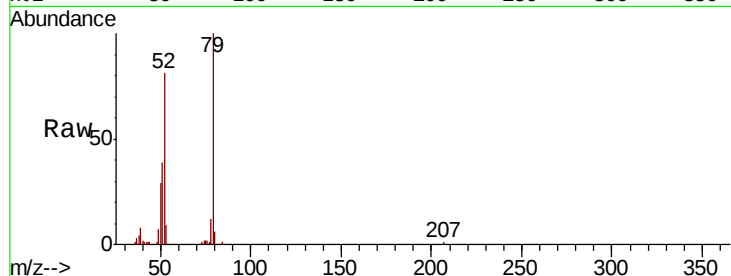
#3
 Pvridine
 Concen: 14.012 ng
 RT: 3.63 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
79	100		
52	81.2	53.1	79.7#
51	39.0	27.4	41.2

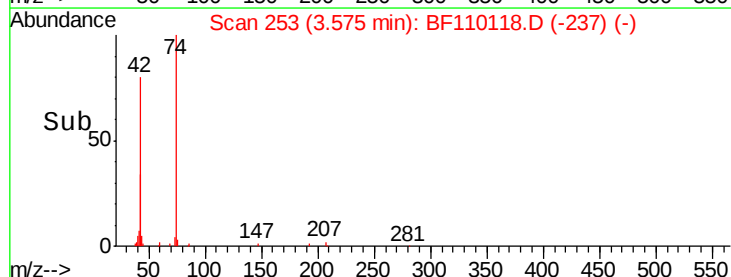
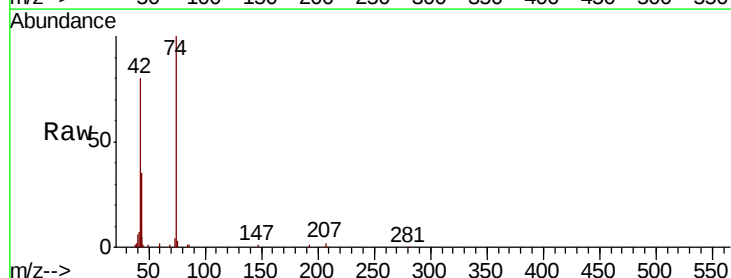
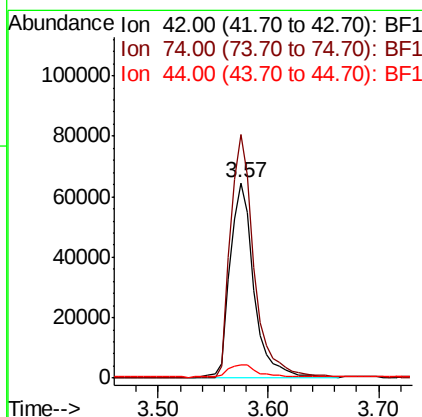
Manual Integrations
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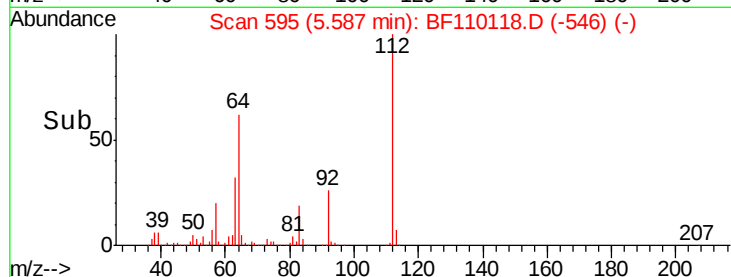
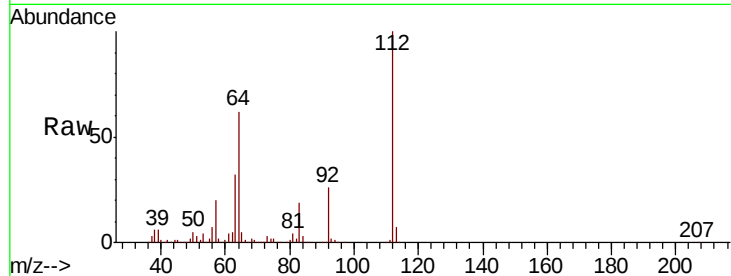
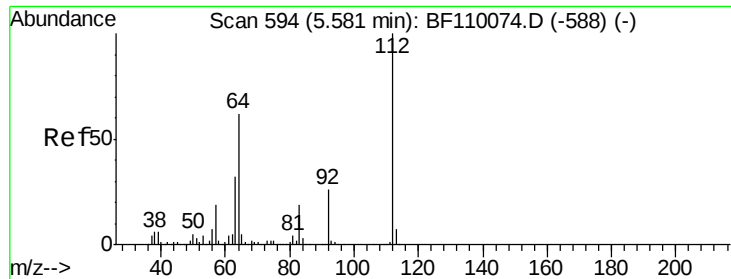
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#4
 n-Nitrosodimethylamine
 Concen: 20.331 ng
 RT: 3.57 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
42	100		
74	124.6	105.5	158.3
44	6.7	4.9	7.3





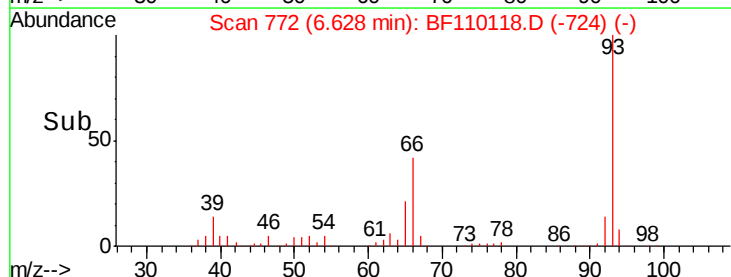
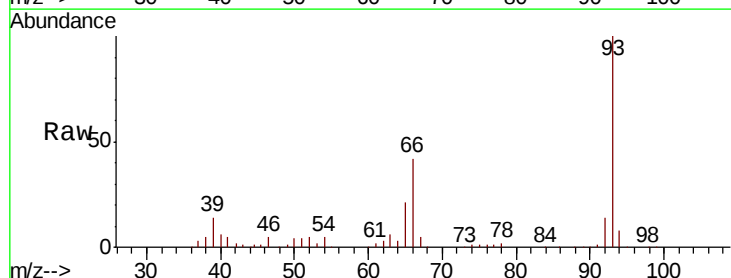
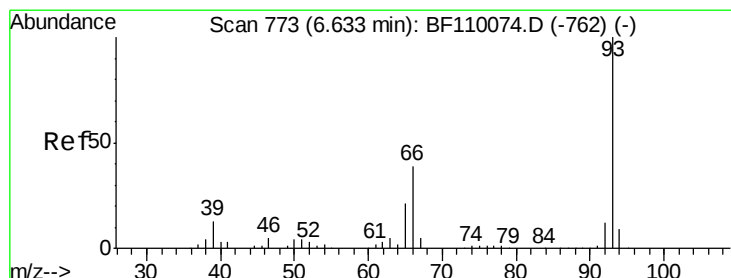
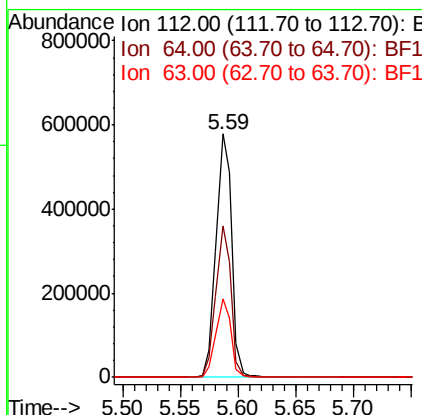
#5
2-Fluorophenol
Concen: 54.609 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	62.1	44.1	66.1
63	32.2	23.7	35.5

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

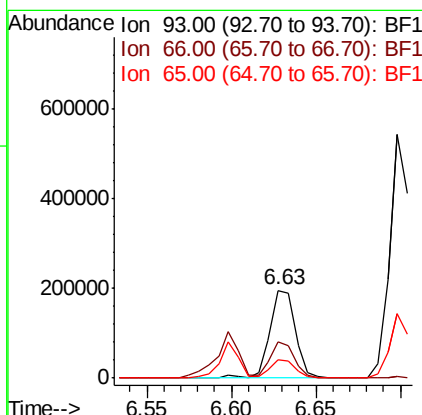
Manual Integrations
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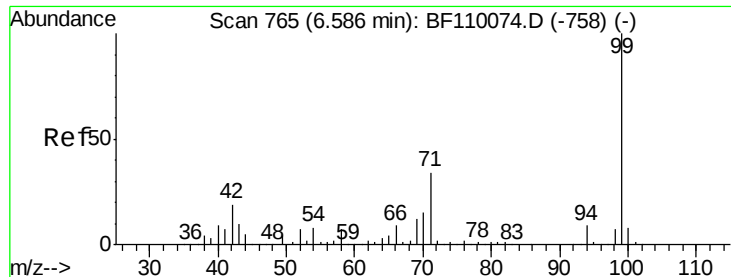
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#6
Aniline
Concen: 12.445 ng
RT: 6.63 min Scan# 772
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	41.6	67.4	101.0#
65	21.1	41.0	61.4#





#7

Phenol-d6

Concen: 34.478 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

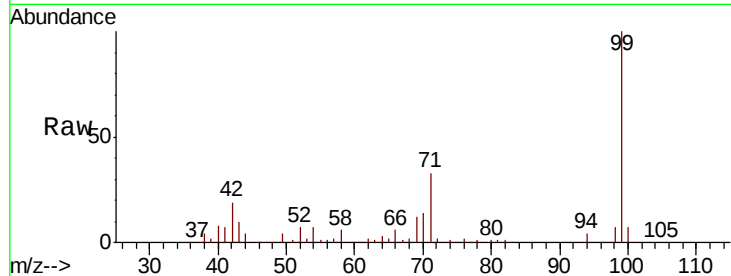
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RAV-GT104MS

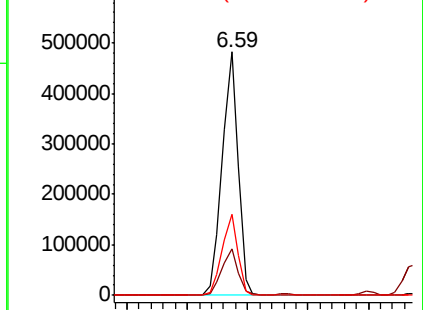
Tot Ion:	99	Resp:	439728
Ion Ratio	Lower	Upper	
99	100		
42	19.0	15.8	23.6
71	33.1	28.0	42.0

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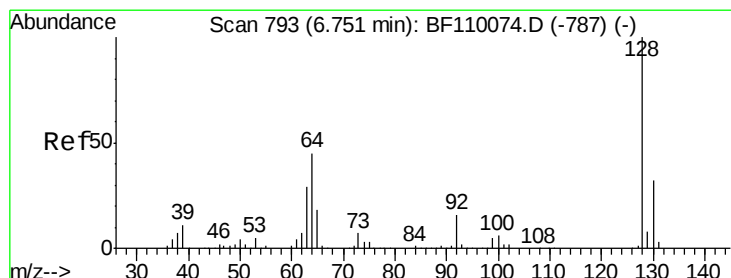
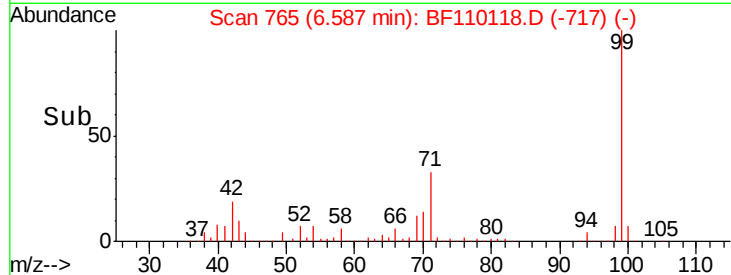
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time--> 6.50 6.55 6.60 6.65 6.70



#8

2-Chlorophenol

Concen: 34.149 ng

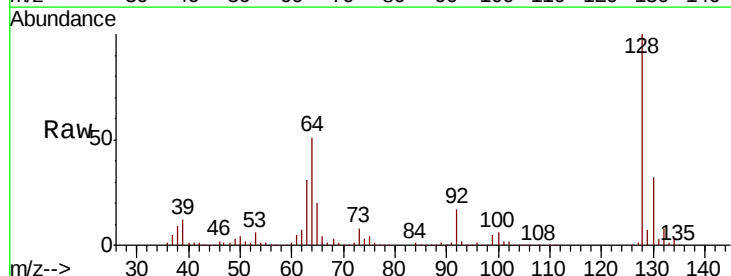
RT: 6.75 min Scan# 793

Delta R.T. -0.02 min

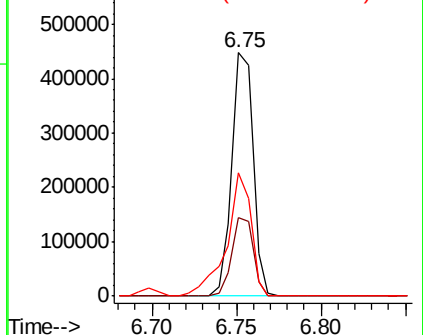
Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

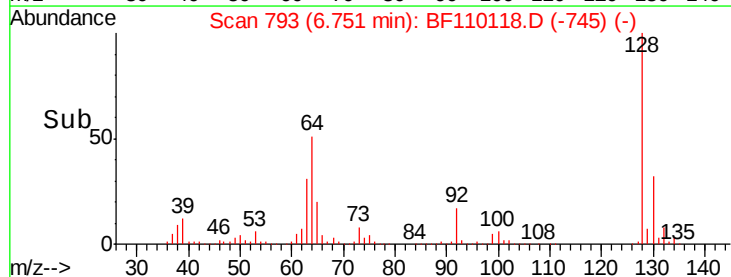
Tgt Ion:	128	Resp:	392576
Ion Ratio	Lower	Upper	
128	100		
130	32.3	13.1	53.1
64	50.7	26.0	66.0

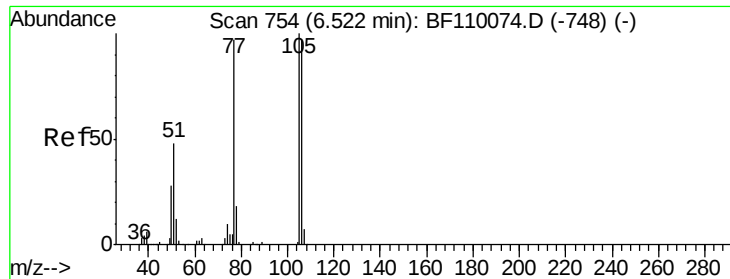


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1



Time--> 6.70 6.75 6.80





#9

Benzaldehyde

Concen: 35.200 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

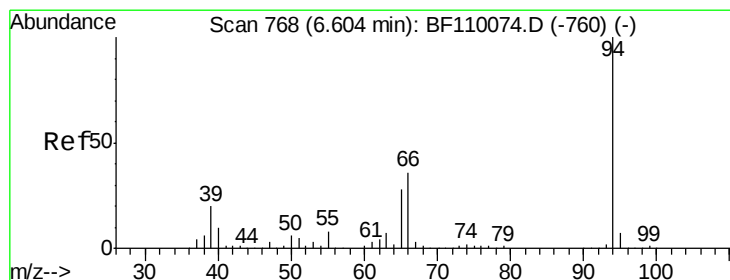
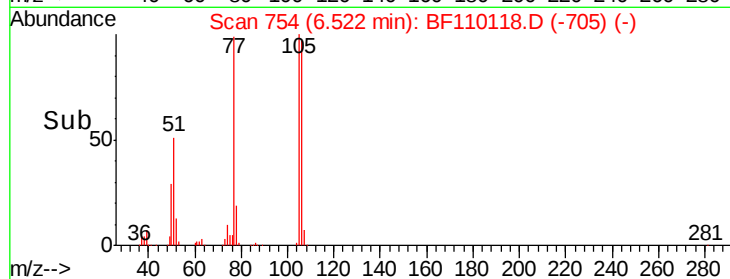
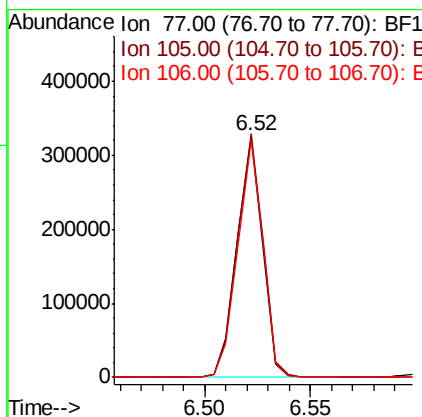
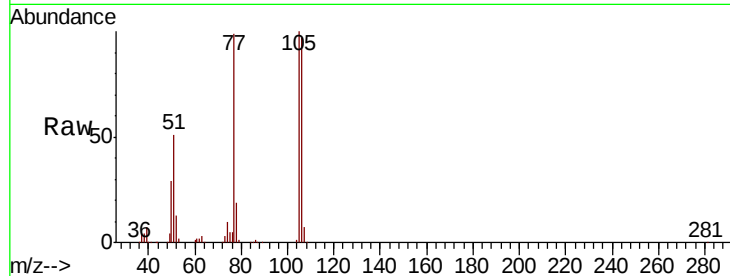
ClientSampleId :

RAV-GT104MS

Tot Ion:	77	Resp:	269818
Ion	Ratio	Lower	Upper
77	100		
105	101.0	78.6	118.6
106	98.2	74.8	114.8

Manual Integrations
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#10

Phenol

Concen: 15.572 ng

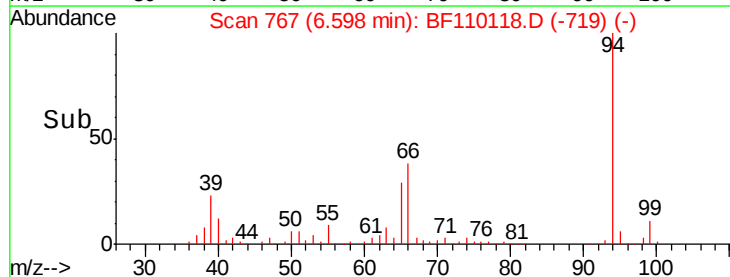
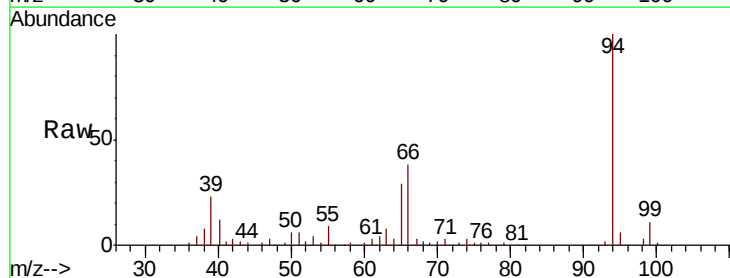
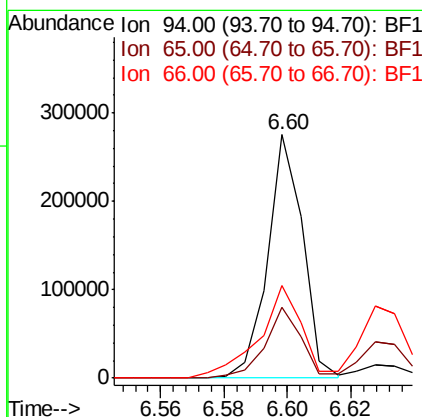
RT: 6.60 min Scan# 767

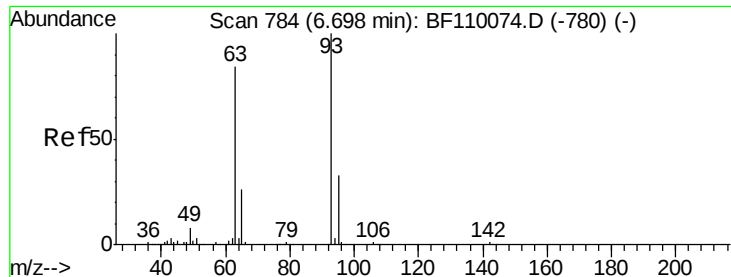
Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Tgt Ion:	94	Resp:	212298
Ion	Ratio	Lower	Upper
94	100		
65	29.0	25.3	65.3
66	37.8	54.5	94.5#





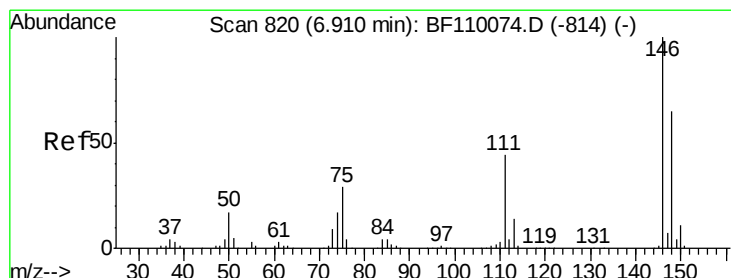
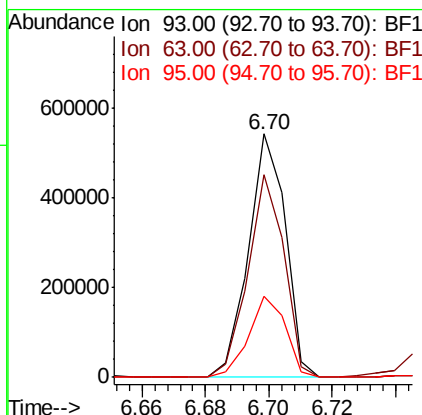
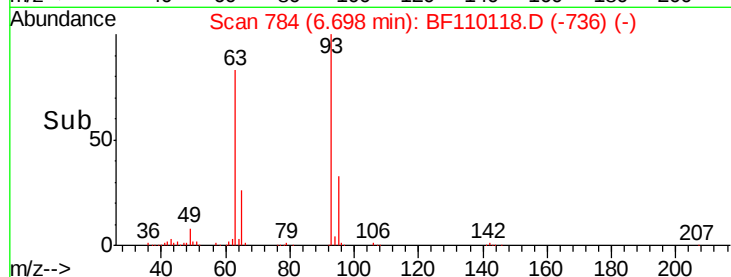
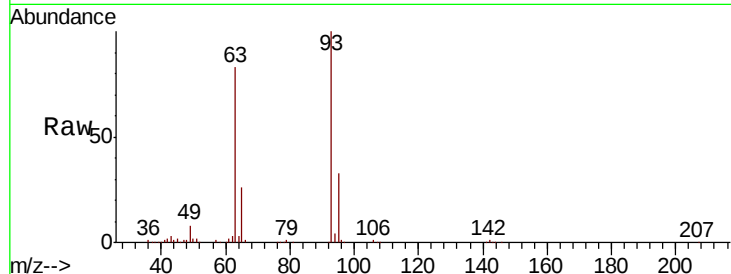
#11
bis(2-Chloroethyl)ether
Concen: 39.173 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion:	93	Resp:	439374
Ion	Ratio	Lower	Upper
93	100		
63	83.2	53.4	93.4
95	33.1	12.1	52.1

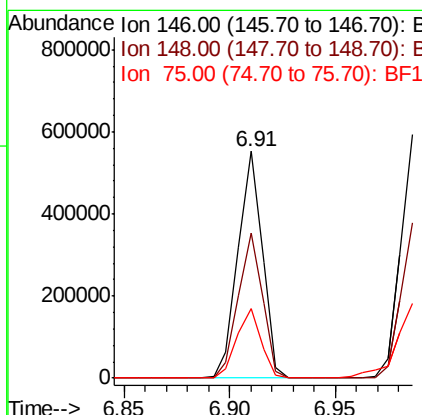
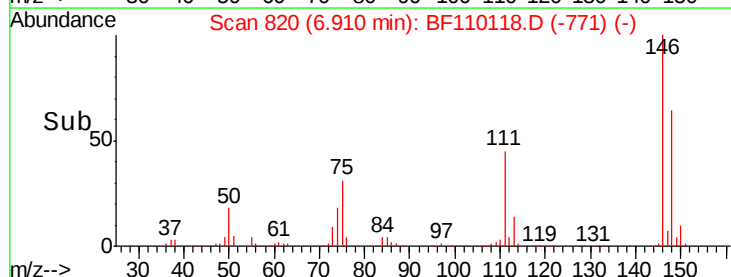
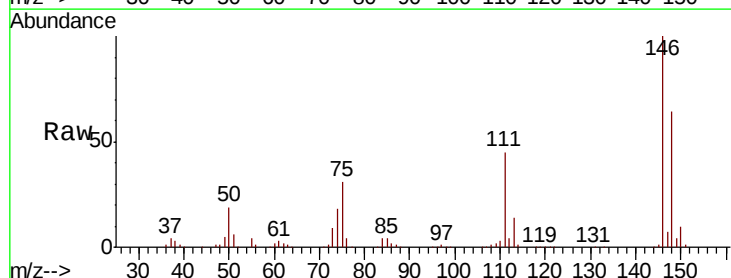
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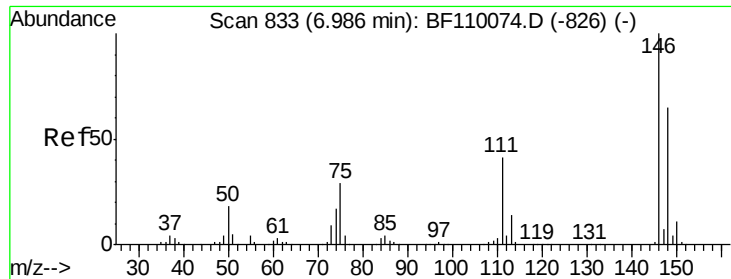
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#12
1,3-Dichlorobenzene
Concen: 34.860 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion:	146	Resp:	441016
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.4	75.6
75	30.7	25.8	38.6





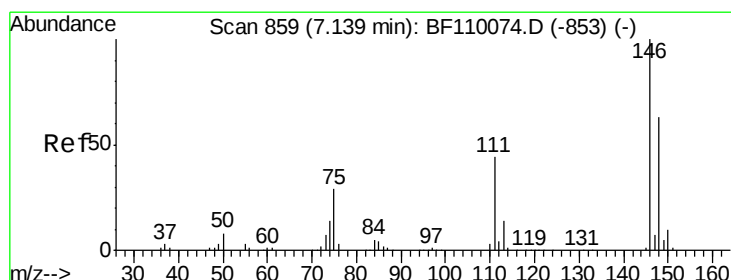
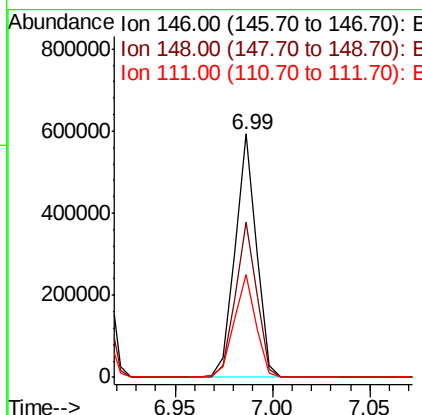
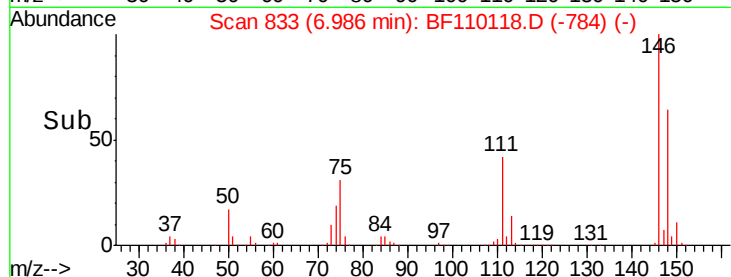
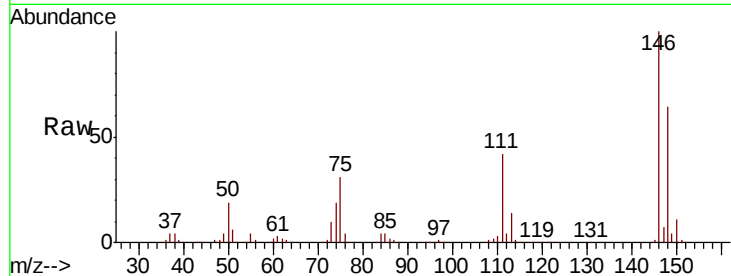
#13
 1,4-Dichlorobenzene
 Concen: 34.932 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.3	75.5
111	42.4	32.7	49.1

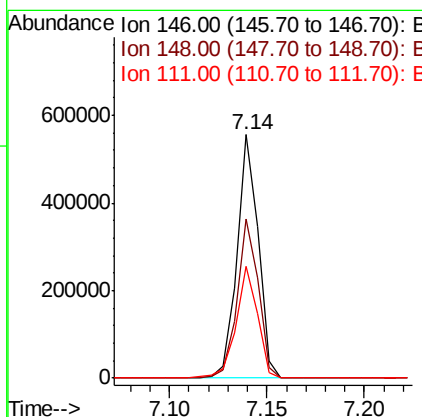
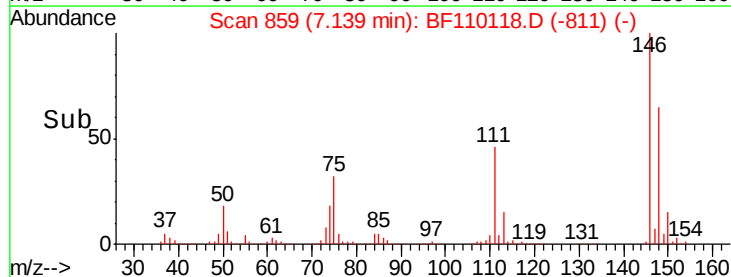
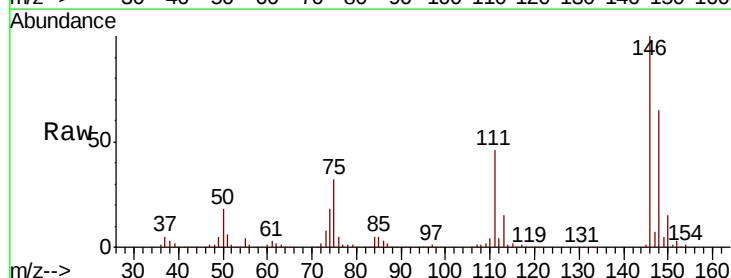
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#14
 1,2-Dichlorobenzene
 Concen: 35.122 ng
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
111	45.9	35.8	53.6





#15

Benzyl Alcohol

Concen: 26.630 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

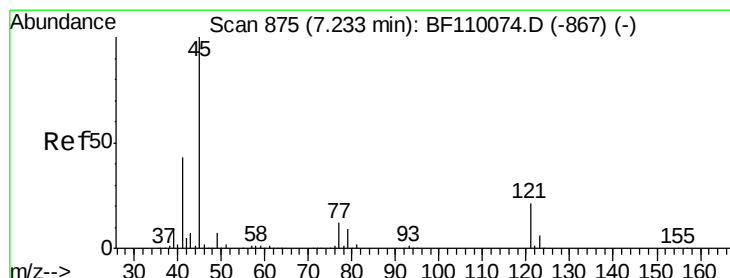
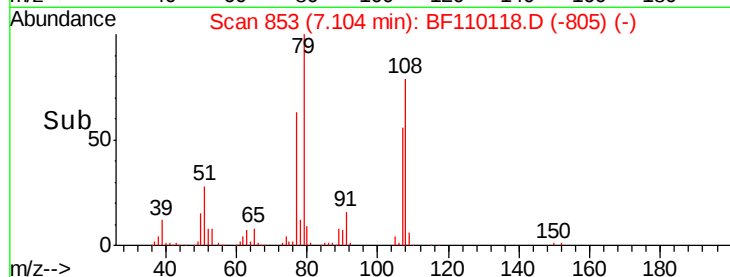
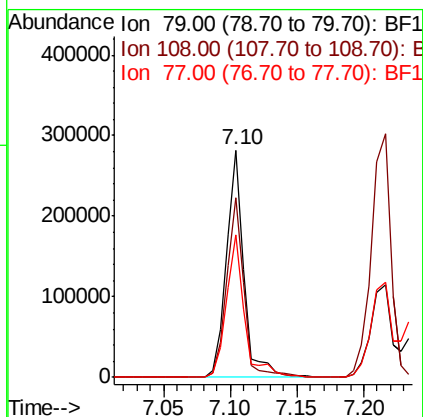
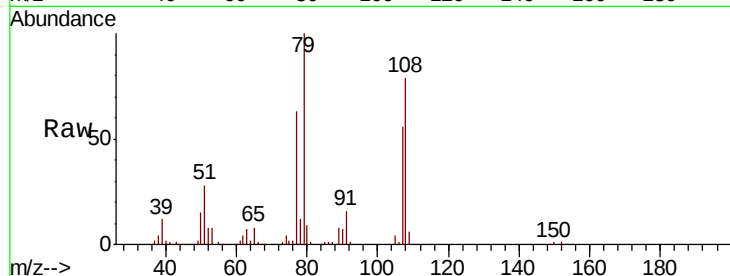
ClientSampleId :

RAV-GT104MS

Tot Ion:	79	Resp:	261225
Ion Ratio	Lower	Upper	
79	100		
108	79.1	56.3	84.5
77	62.9	52.9	79.3

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.924 ng

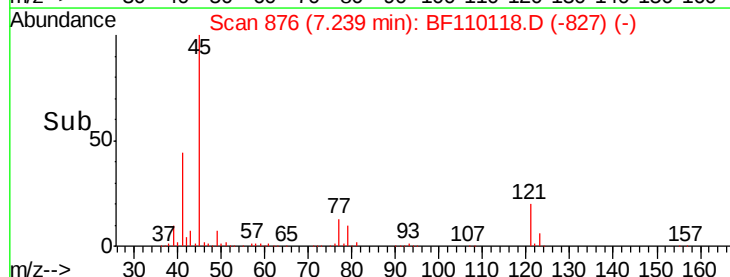
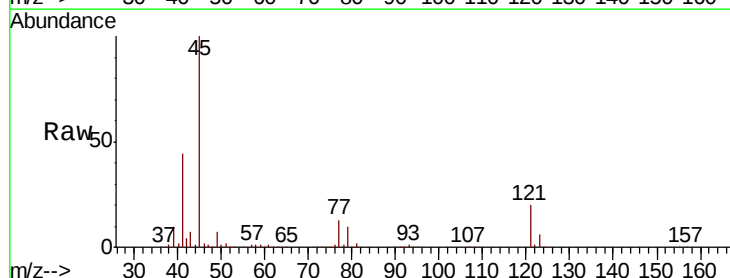
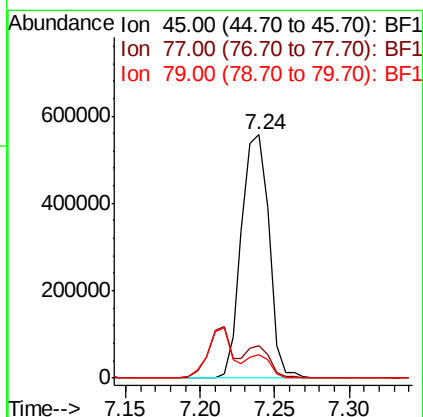
RT: 7.24 min Scan# 876

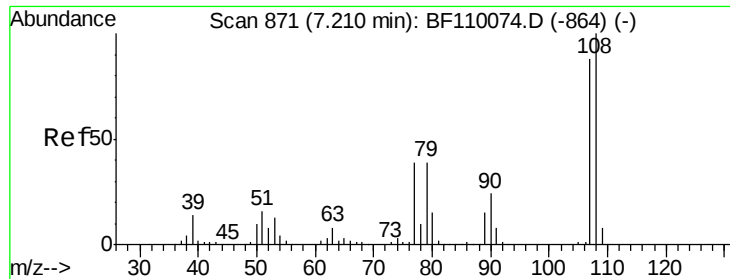
Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Tgt Ion:	45	Resp:	715980
Ion Ratio	Lower	Upper	
45	100		
77	13.4	10.0	50.0
79	9.9	6.1	46.1





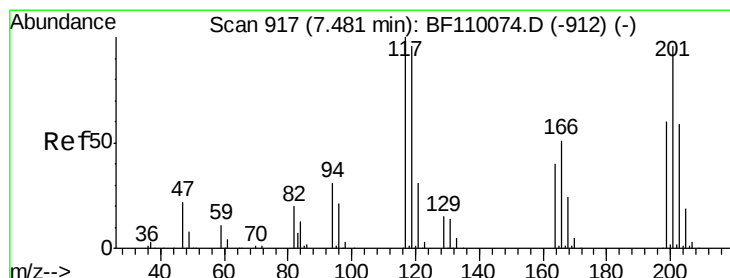
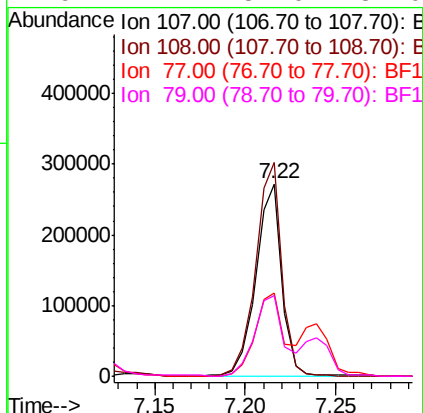
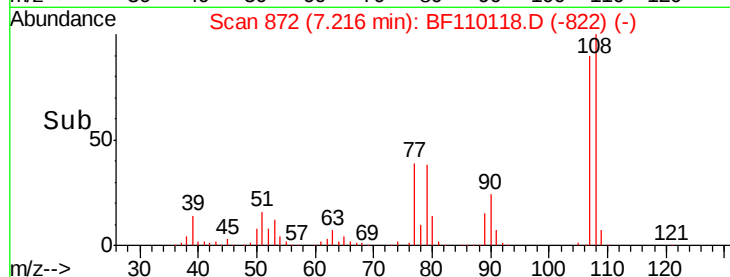
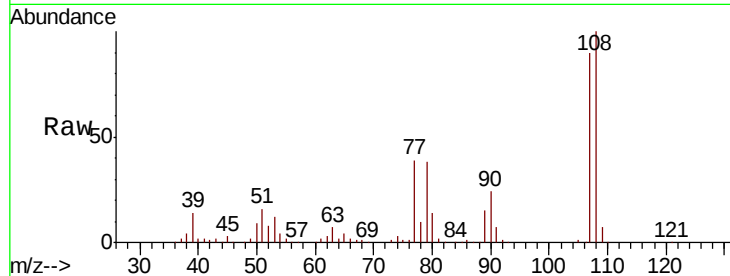
#17
2-Methylphenol
Concen: 29.121 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.2	92.6	138.8	
77	43.2	59.4	89.2#	
79	42.1	54.0	81.0#	

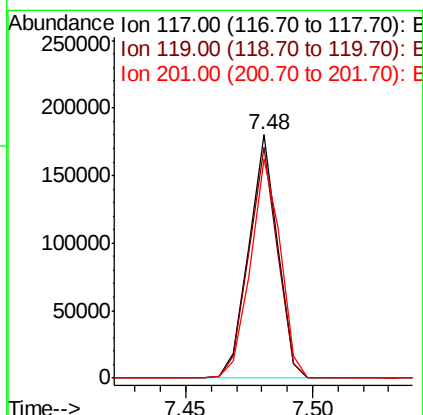
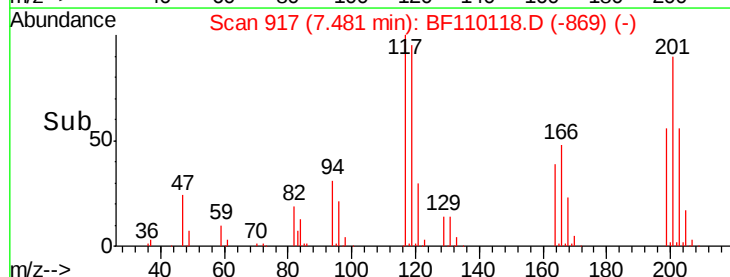
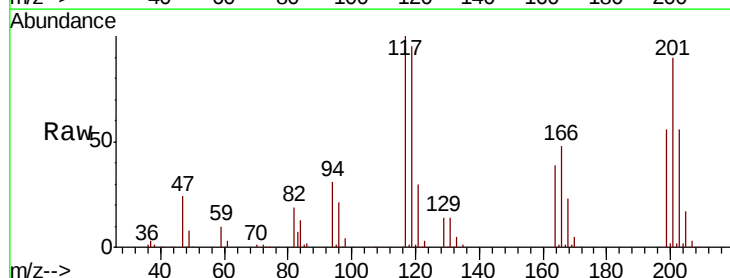
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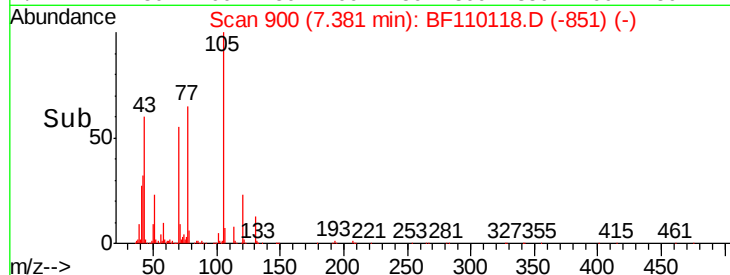
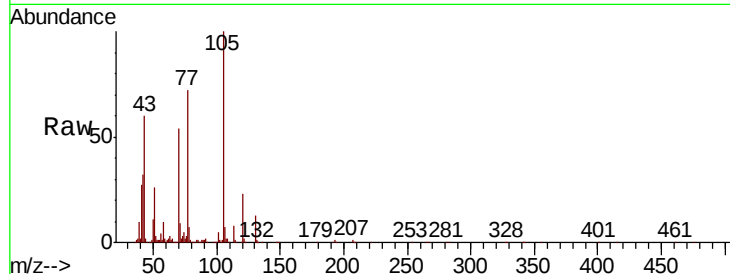
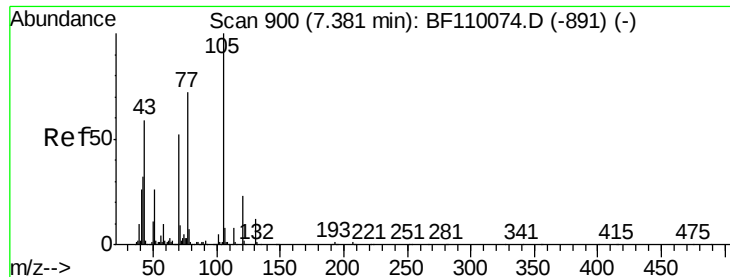
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#18
Hexachloroethane
Concen: 30.377 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	75.0	112.6	
201	89.9	79.2	118.8	





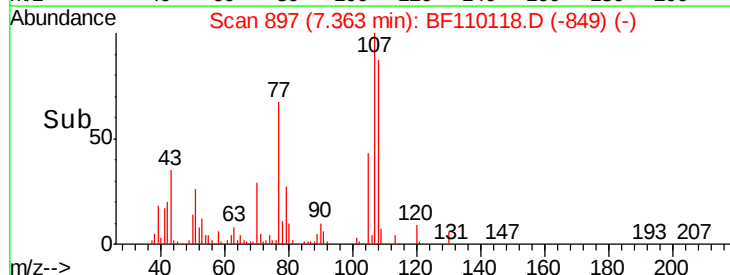
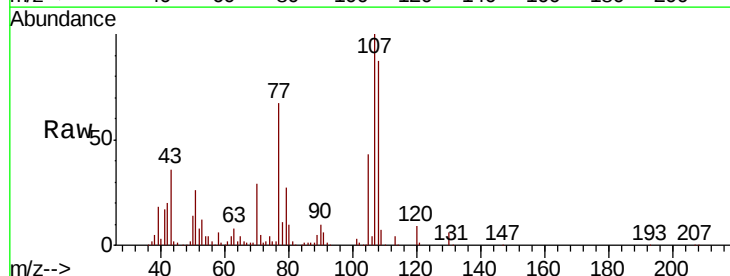
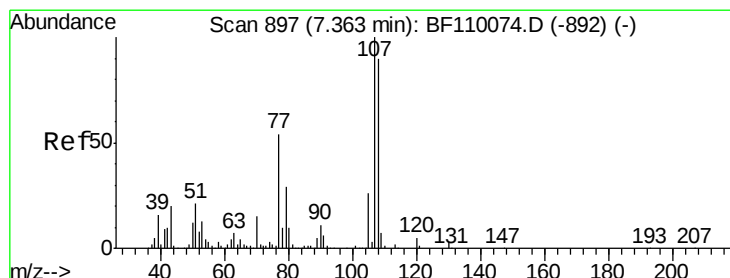
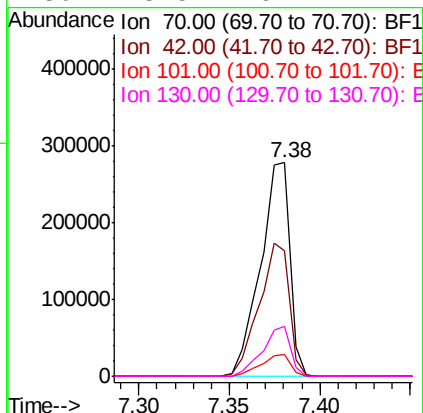
#19
n-Nitroso-di-n-propylamine
Concen: 38.458 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	58.7	47.4	71.2
101	10.0	7.3	10.9
130	23.5	16.2	24.2

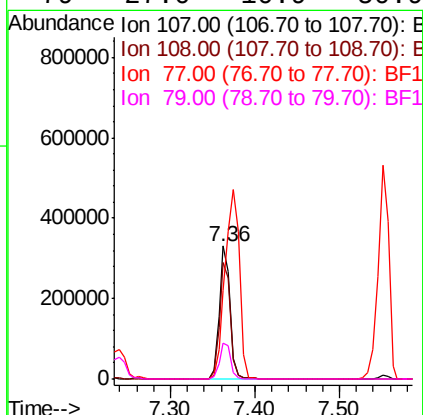
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#20
3+4-Methylphenols
Concen: 25.729 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.4	71.4	111.4
77	66.7	47.3	87.3
79	27.0	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

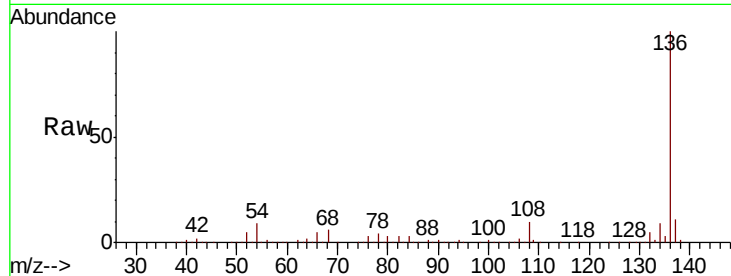
ClientSampleId :

RAV-GT104MS

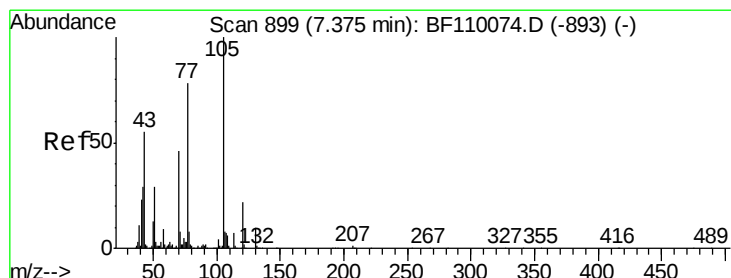
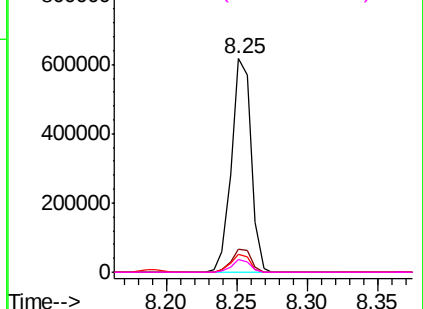
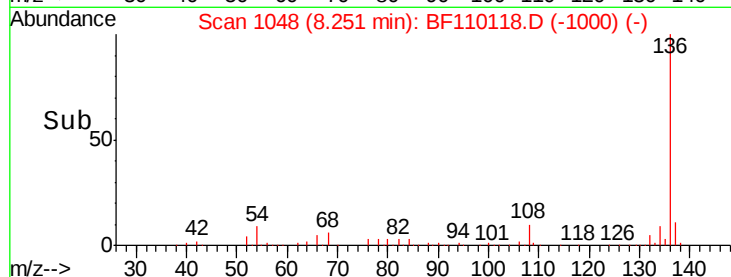
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.6	5.4	8.2
68	5.8	4.2	6.2

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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: 44.999 ng

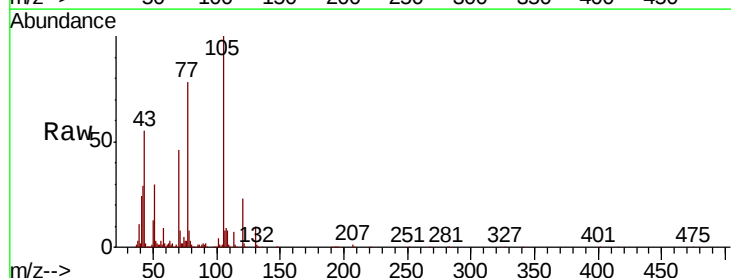
RT: 7.37 min Scan# 899

Delta R.T. -0.02 min

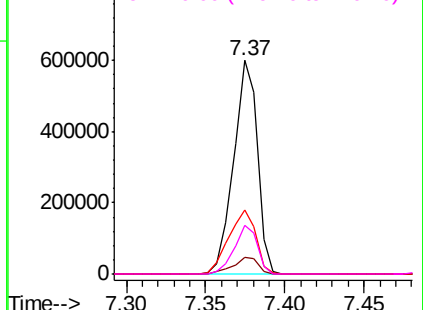
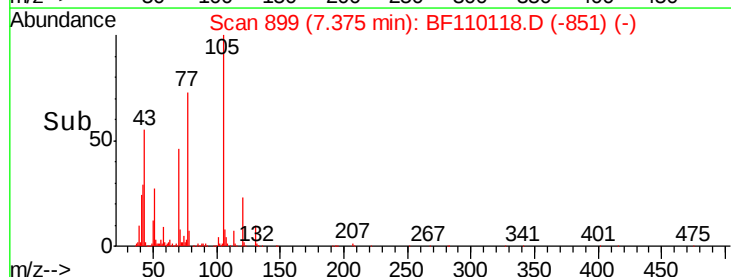
Lab File: BF110118.D

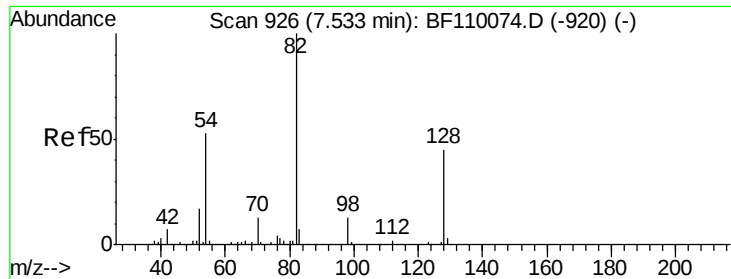
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	7.6	5.2	7.8
51	30.0	21.8	32.8
120	22.8	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





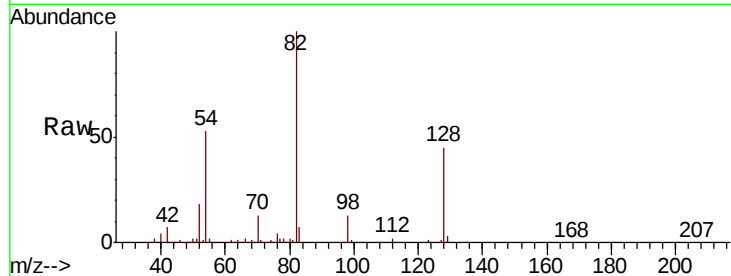
#23
Nitrobenzene-d5
Concen: 78.115 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

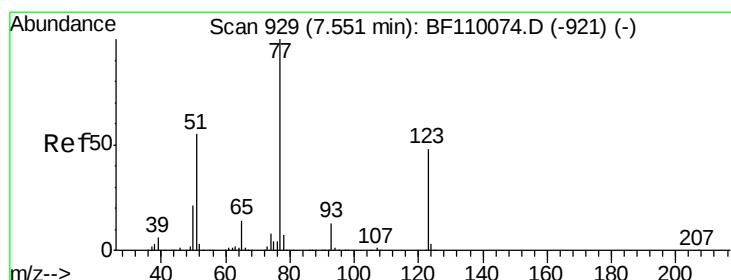
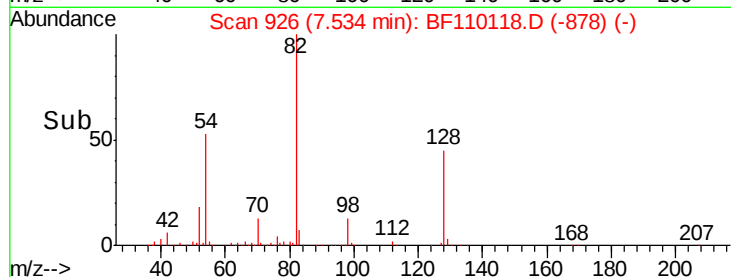
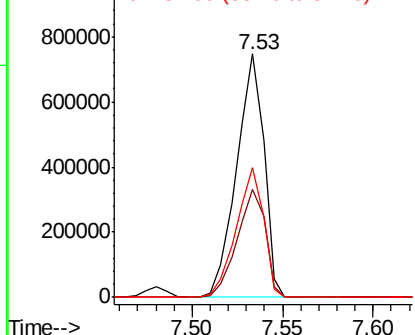
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.2	51.2
54	53.4	38.6	58.0

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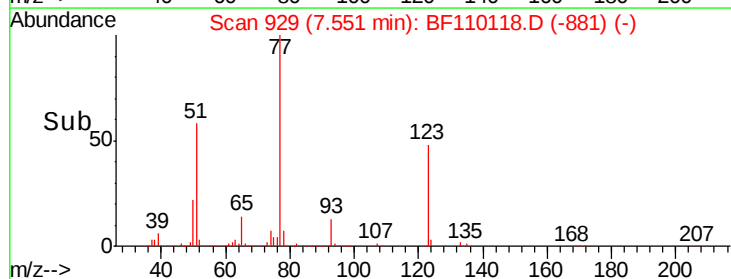
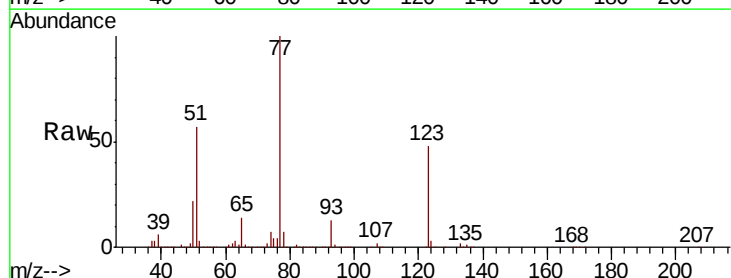
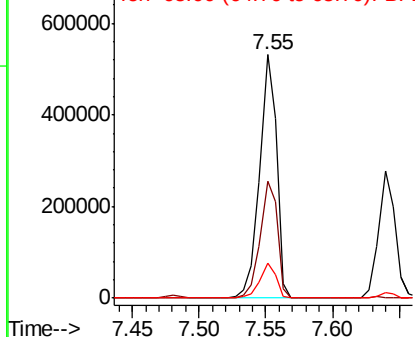
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

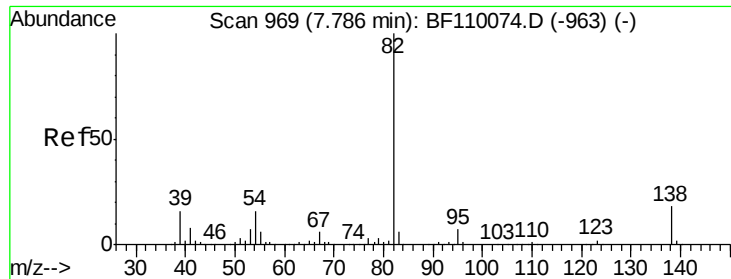


#24
Nitrobenzene
Concen: 44.381 ng
RT: 7.55 min Scan# 929
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.2	35.7	53.5
65	14.2	10.7	16.1

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





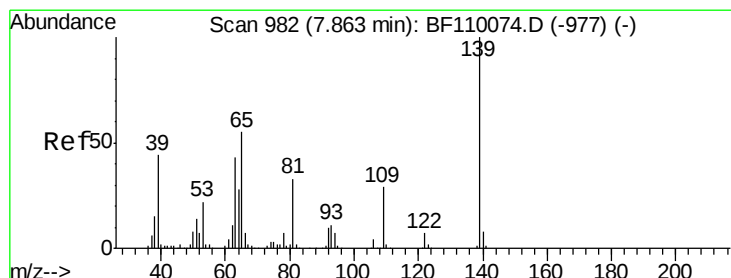
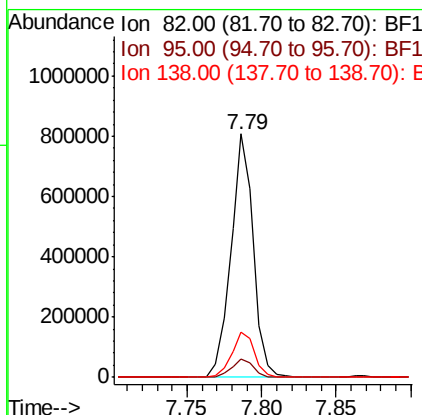
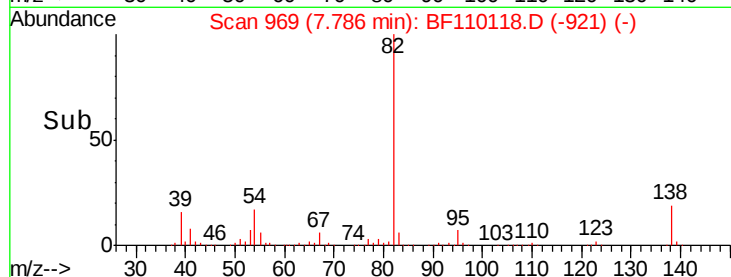
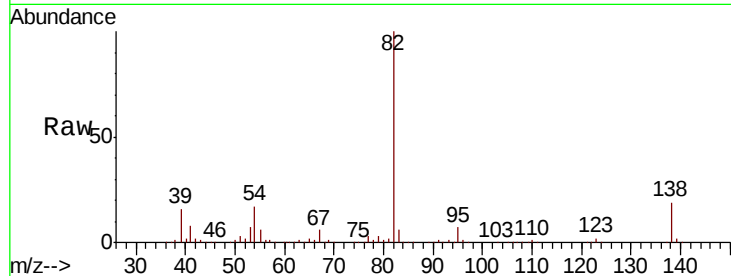
#25
Isophorone
Concen: 49.565 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.7	8.5
138	18.6	13.2	19.8

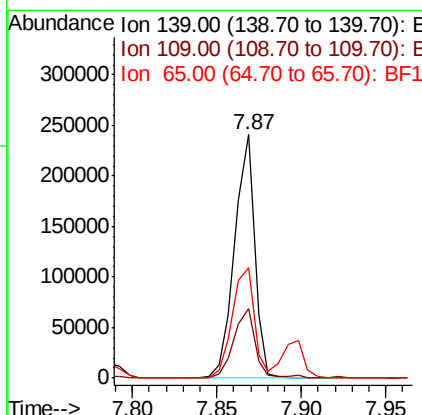
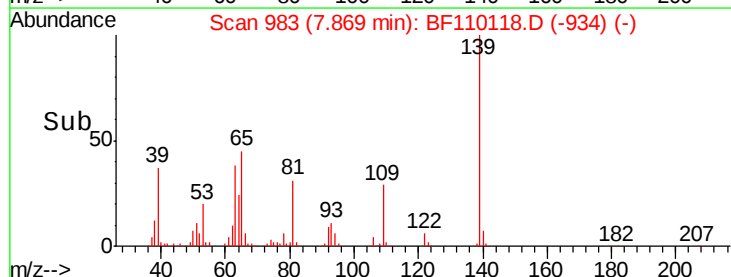
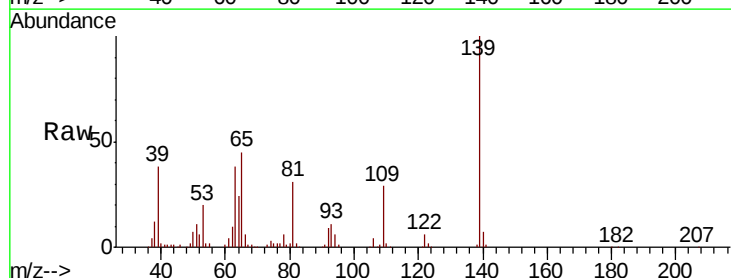
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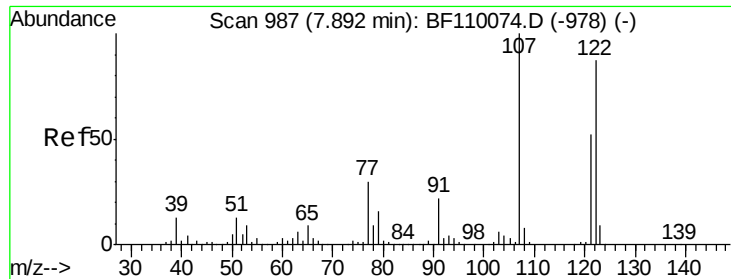
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#26
2-Nitrophenol
Concen: 40.243 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	28.6	25.0	37.6
65	45.5	44.0	66.0





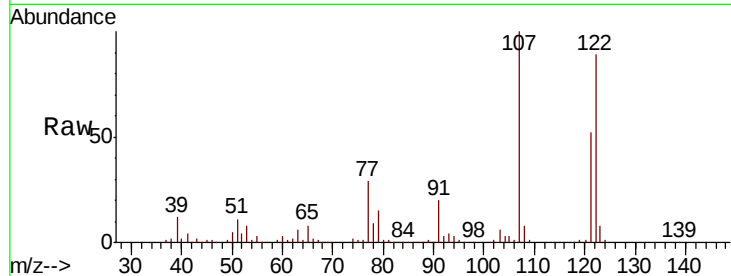
#27
2,4-Dimethylphenol
Concen: 44.676 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.4	92.5	138.7
121	58.5	45.8	68.8

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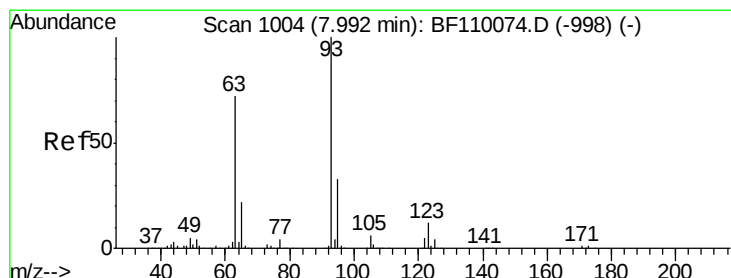
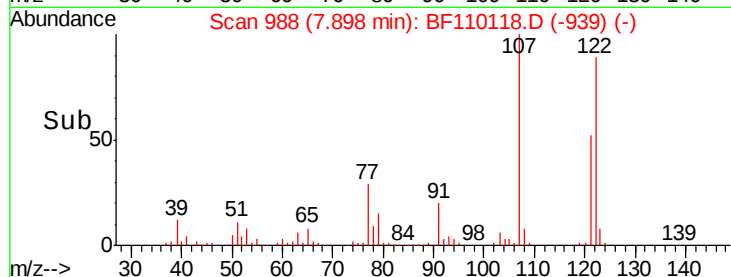
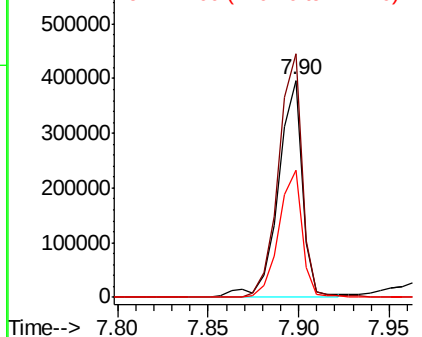


Abundance

Ion 122.00 (121.70 to 122.70): E

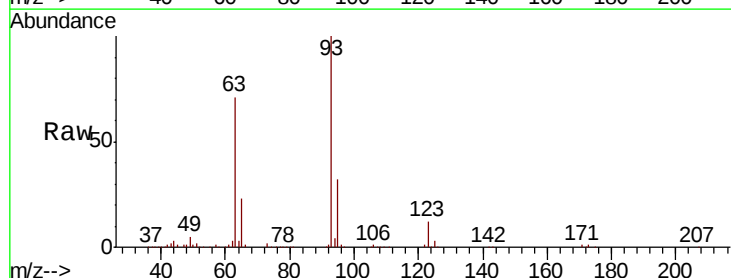
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 46.693 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.4	39.6
123	11.5	9.0	13.6

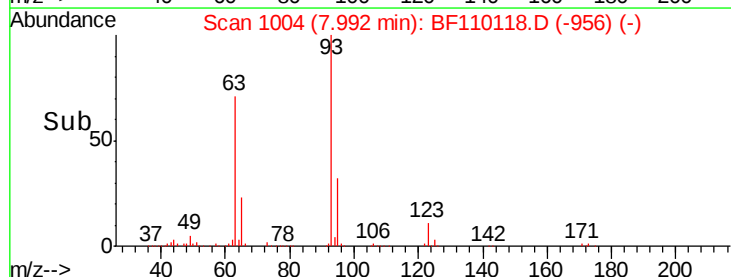
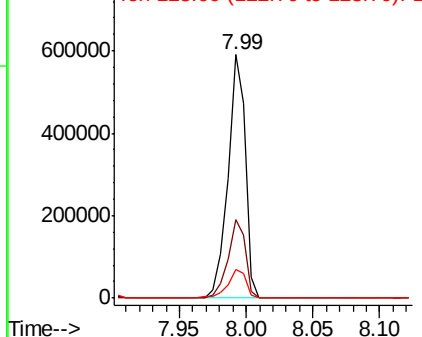


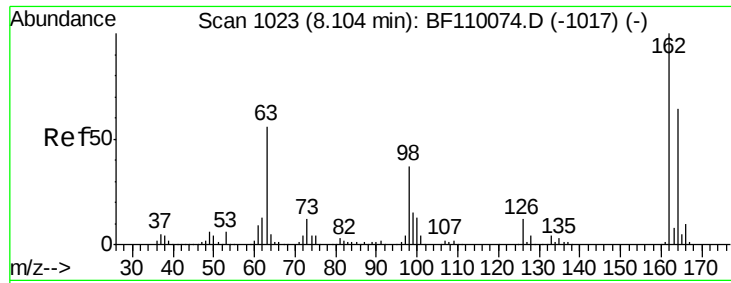
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





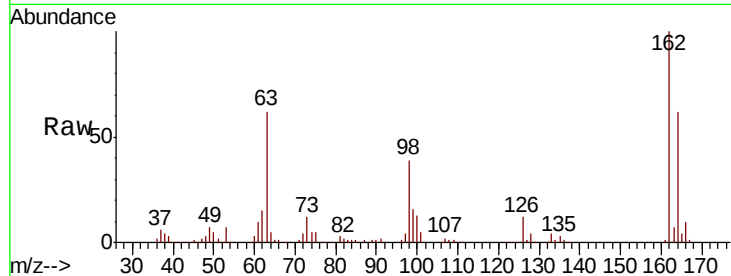
#29
2,4-Dichlorophenol
Concen: 40.681 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.3	44.6	84.6
98	39.0	17.4	57.4

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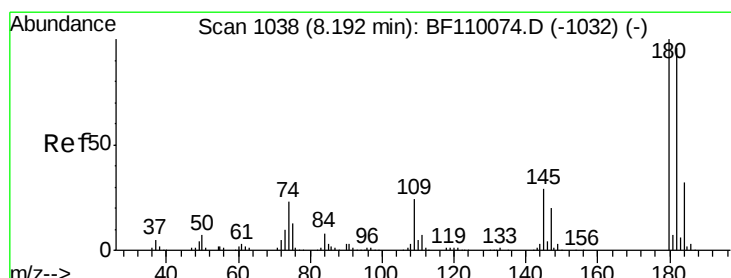
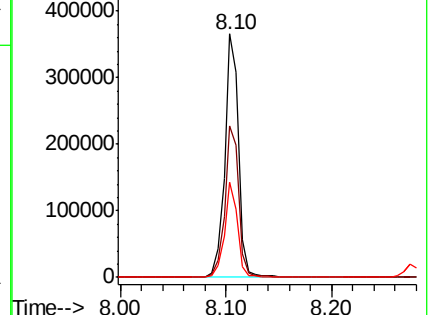
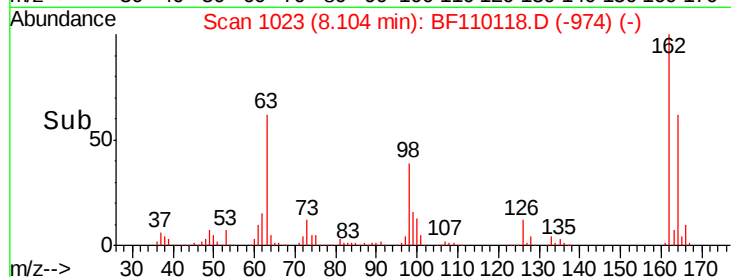


Abundance

Ion 162.00 (161.70 to 162.70): E

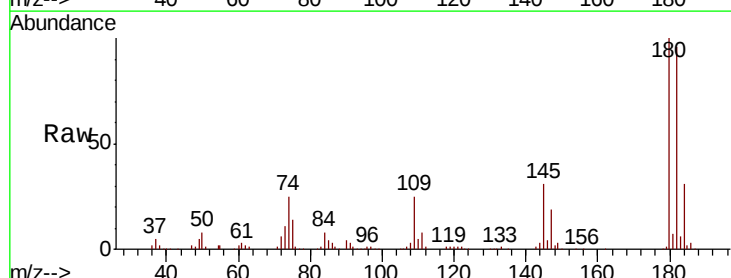
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 39.016 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.7	80.3	120.5
145	31.0	25.4	38.0

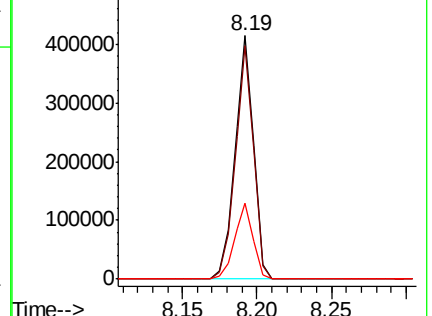
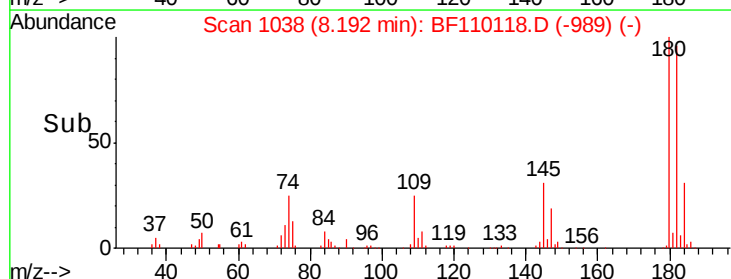


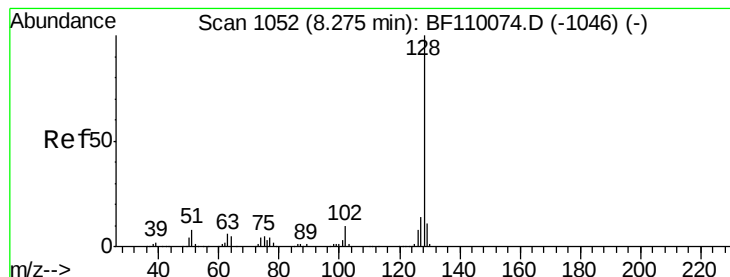
Abundance

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: 43.178 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion:128 Resp: 1189972

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

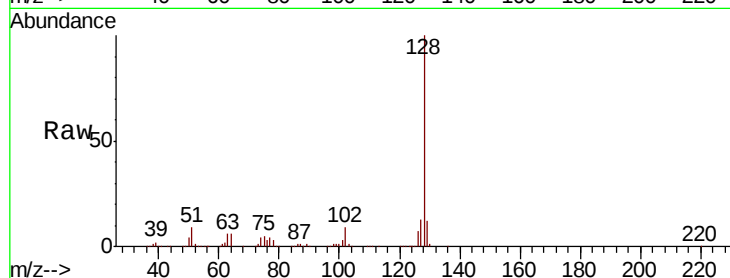
127 13.5 10.8 16.2

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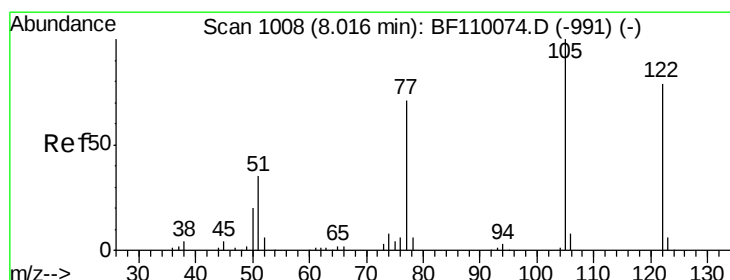
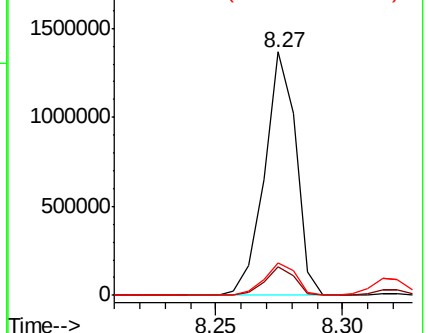
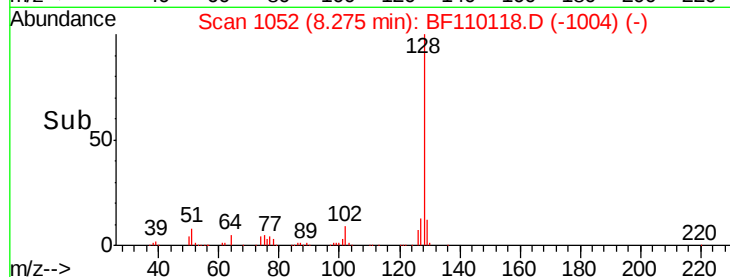
10/25/2018 11:15:14 AM



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: 9.136 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.04 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

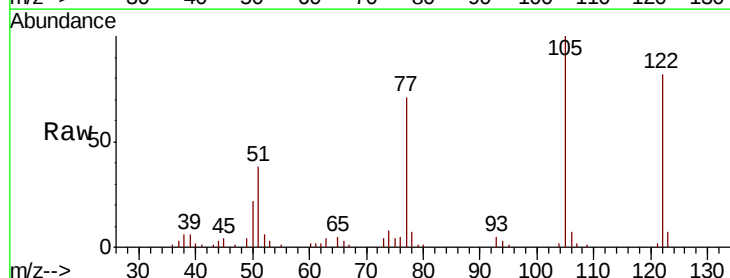
Tgt Ion:122 Resp: 57986

Ion Ratio Lower Upper

122 100

105 121.3 109.0 149.0

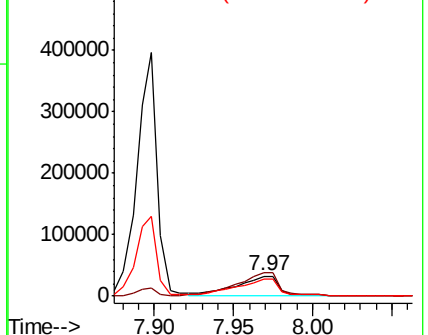
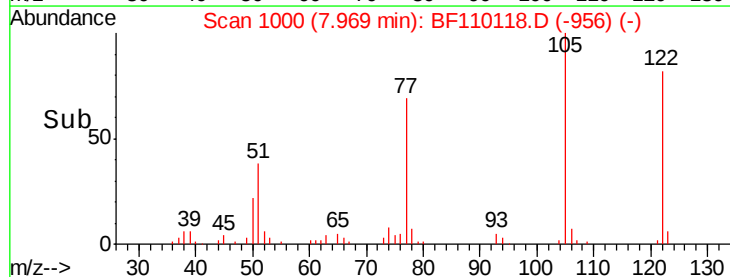
77 86.4 79.0 119.0

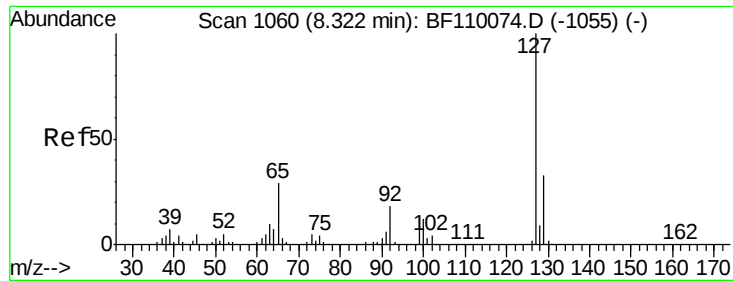


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





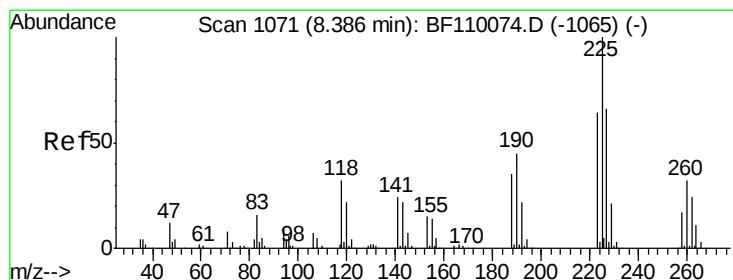
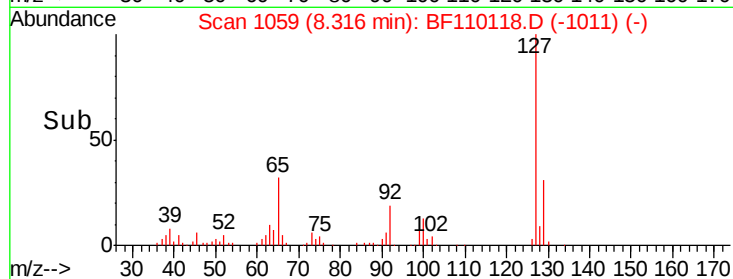
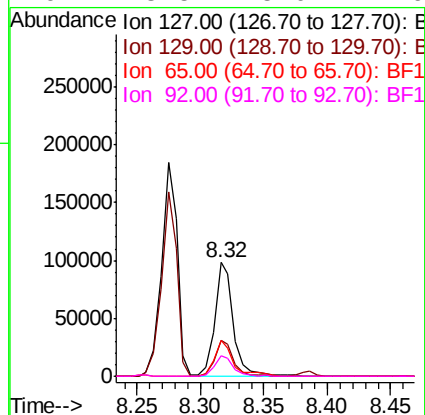
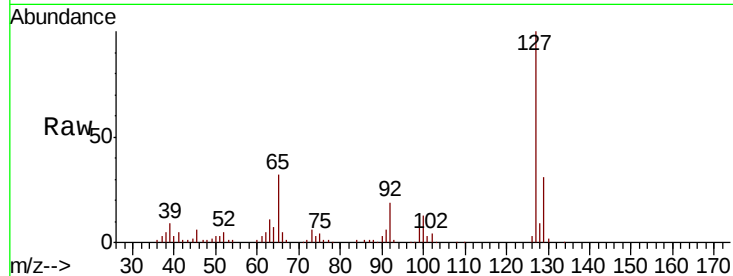
#33
4-Chloroaniline
Concen: 8.155 ng
RT: 8.32 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.3	26.0	39.0		
65	31.6	25.1	37.7		
92	18.5	15.0	22.6		

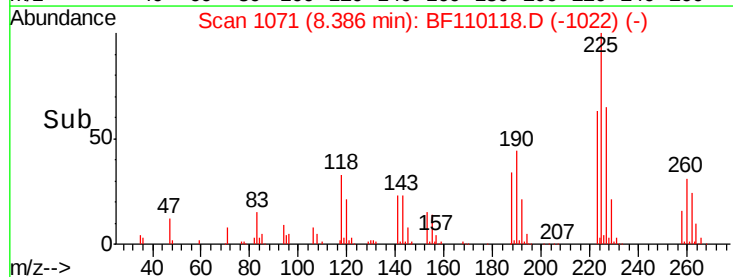
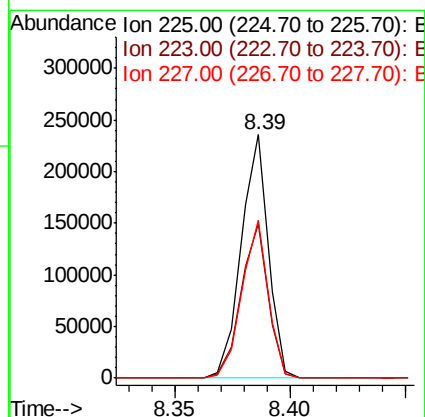
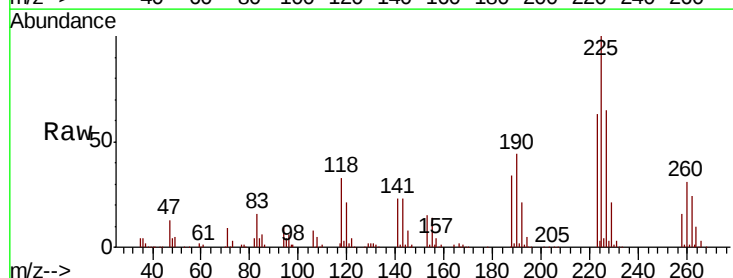
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#34
Hexachlorobutadiene
Concen: 37.488 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.4	51.4	77.2		
227	65.0	51.0	76.6		





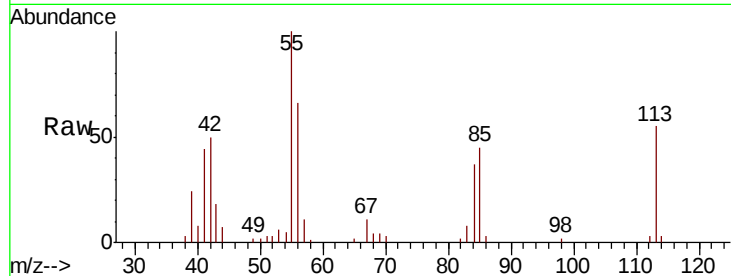
#35
 Caprolactam
 Concen: 6.392 ng
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.03 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MS

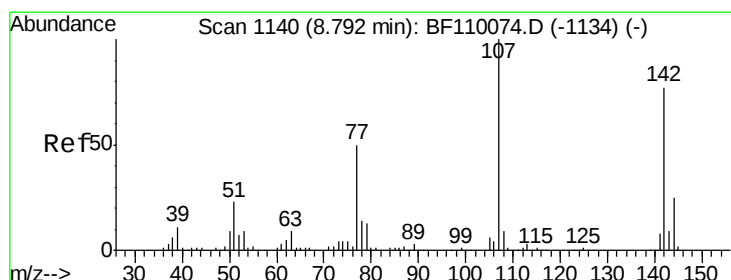
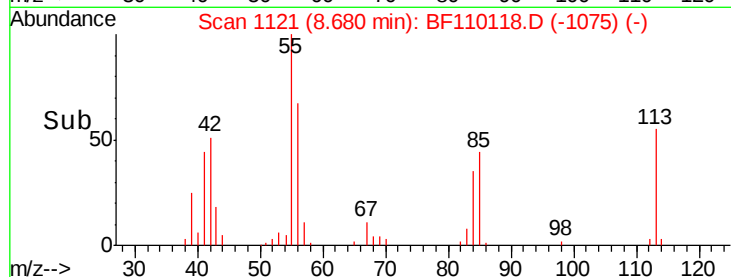
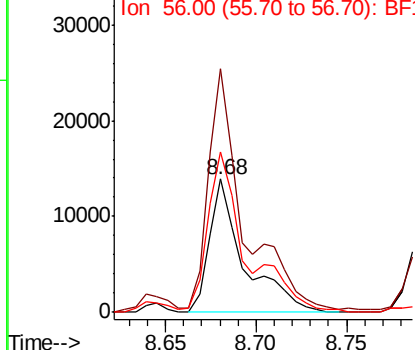
Tot Ion:113 Resp: 18483
 Ion Ratio Lower Upper
 113 100
 55 183.0 142.8 182.8#
 56 120.8 105.0 145.0

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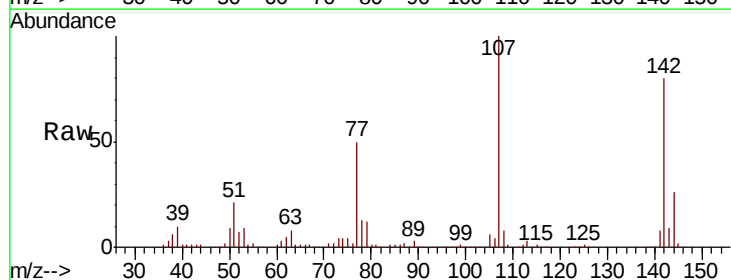


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

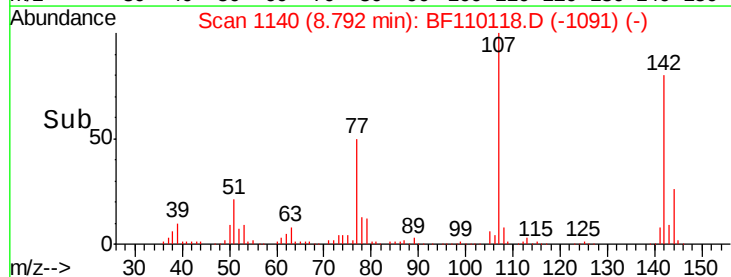
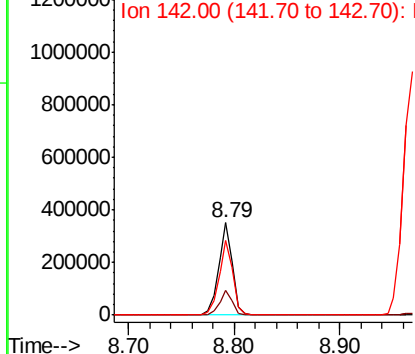


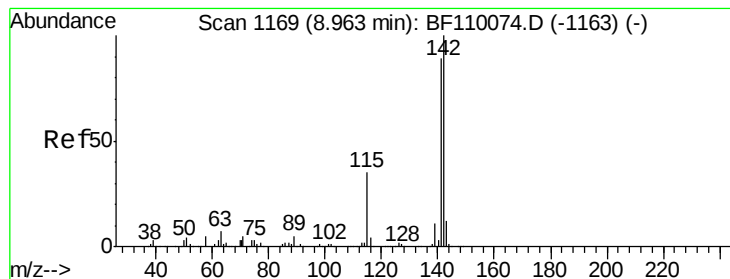
#36
 4-Chloro-3-methylphenol
 Concen: 36.085 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Tgt Ion:107 Resp: 323729
 Ion Ratio Lower Upper
 107 100
 144 26.1 20.0 30.0
 142 80.2 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: 44.145 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

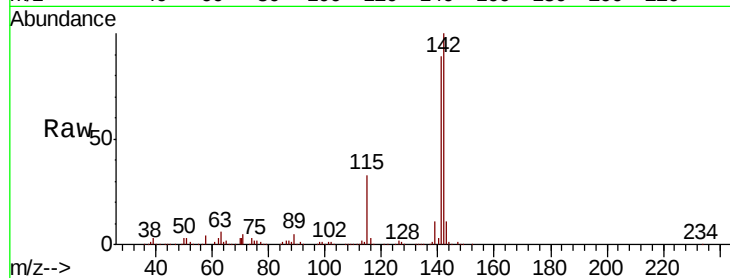
ClientSampleId :

RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.2
115	32.6	28.7	43.1

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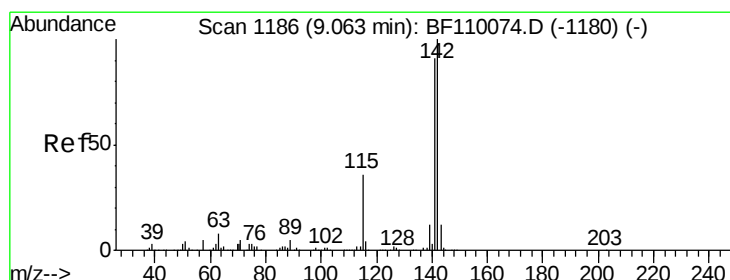
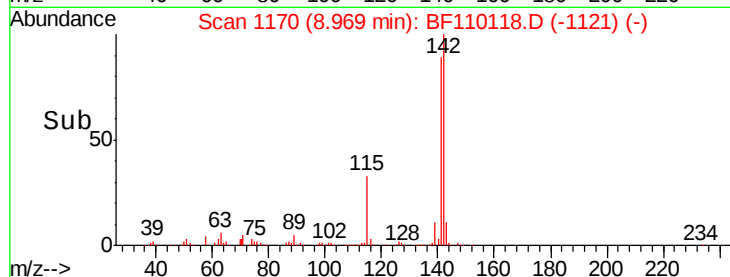
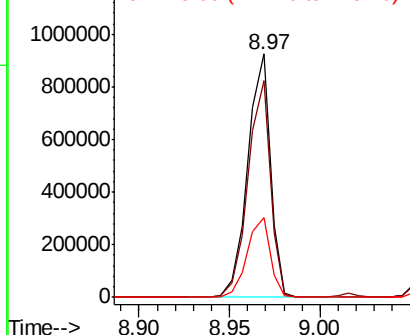


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 42.618 ng

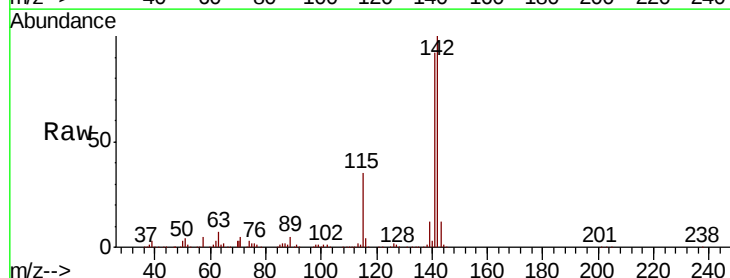
RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	74.2	111.4
116	3.6	2.6	4.0

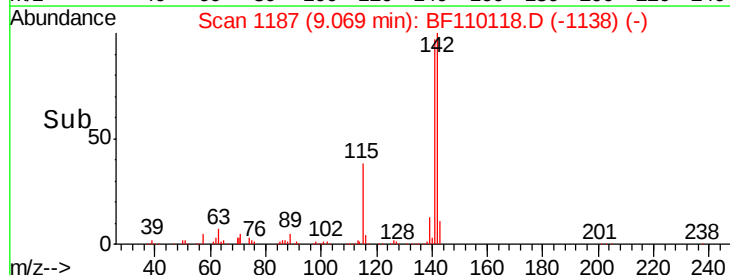
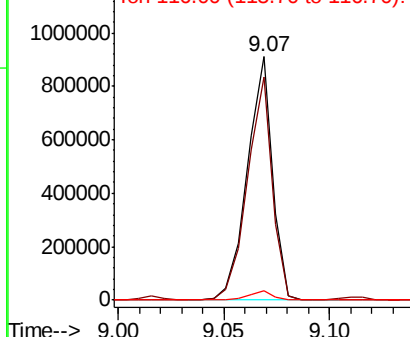


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion:164 Resp: 239350

Ion Ratio Lower Upper

164 100

162 106.7 83.0 124.6

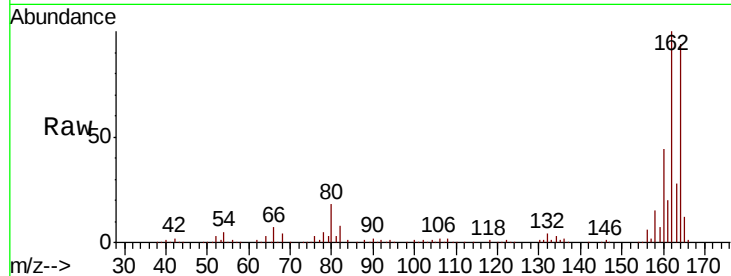
160 47.3 37.0 55.6

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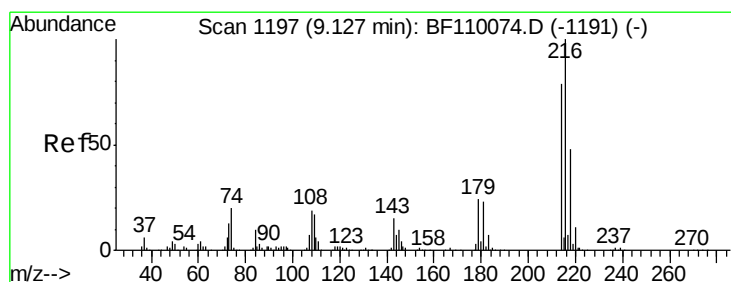
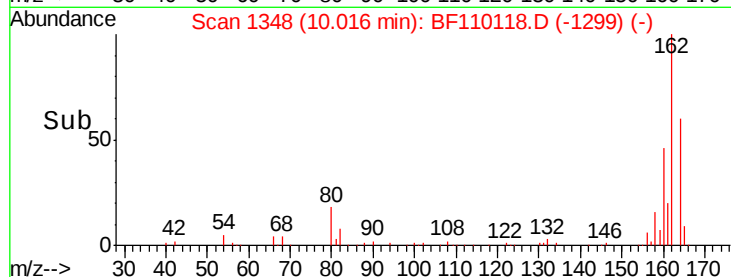
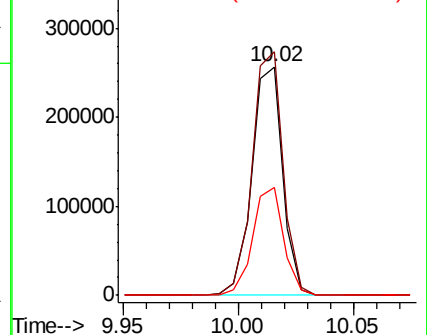
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.774 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Tgt Ion:216 Resp: 341363

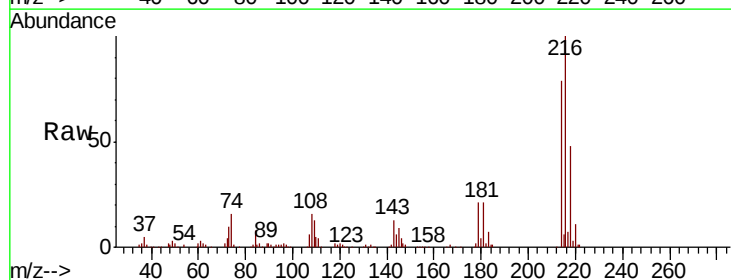
Ion Ratio Lower Upper

216 100

214 79.2 63.8 95.6

179 22.2 16.6 25.0

108 18.9 15.1 22.7

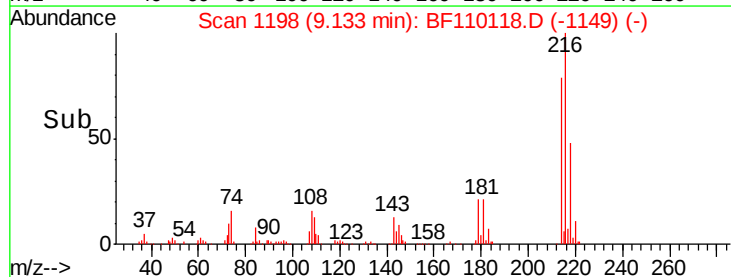
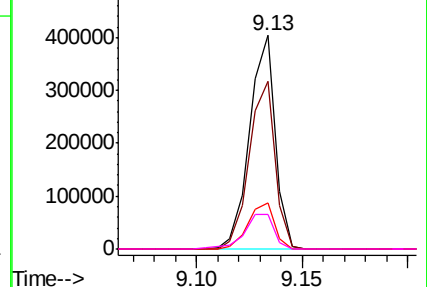


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





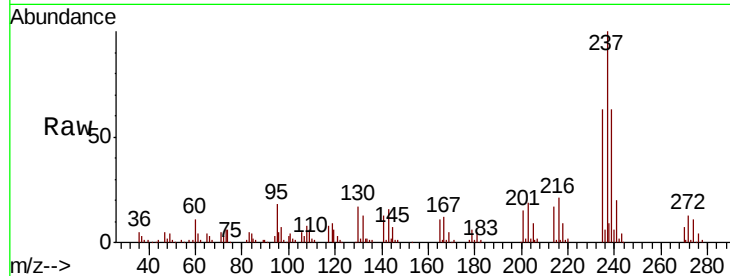
#41
Hexachlorocyclopentadiene
Concen: 22.528 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

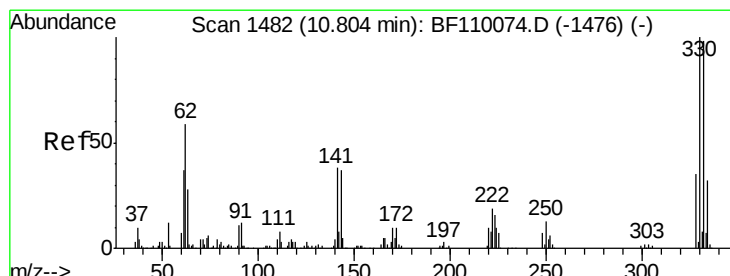
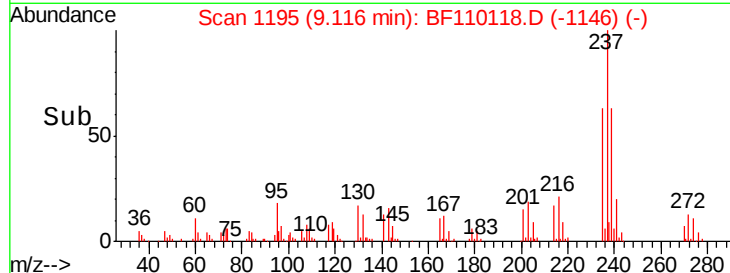
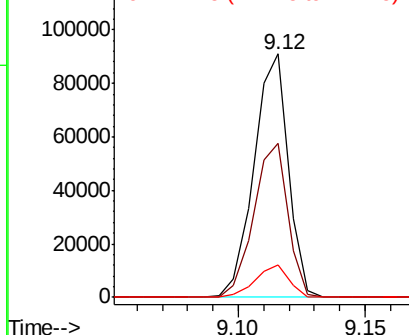
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.1	43.1	83.1
272	13.3	0.0	32.6

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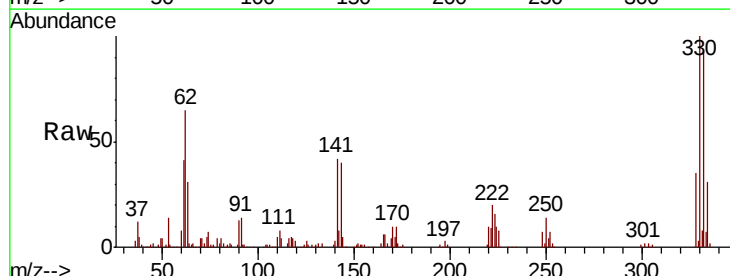


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

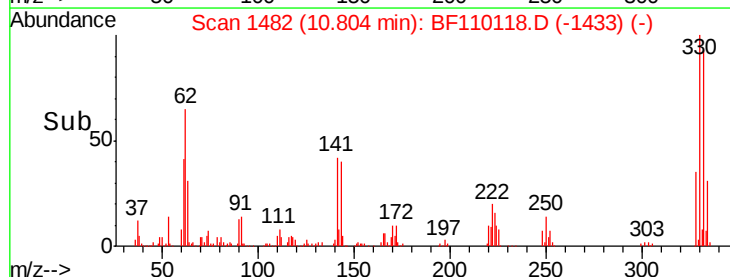
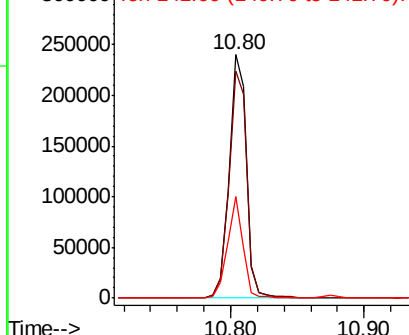


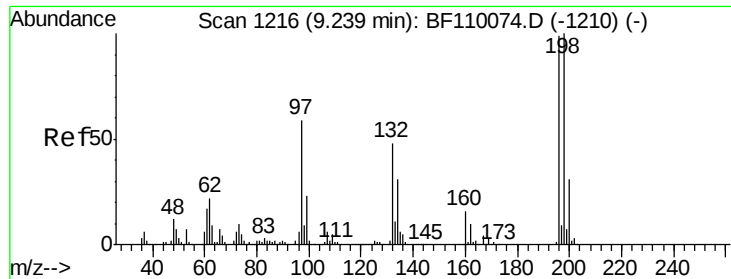
#42
2,4,6-Tribromophenol
Concen: 92.673 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.7	77.1	115.7
141	37.5	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





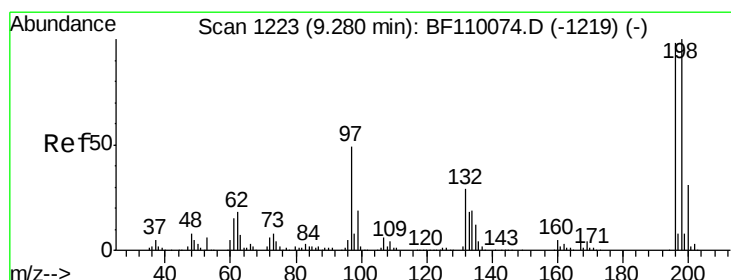
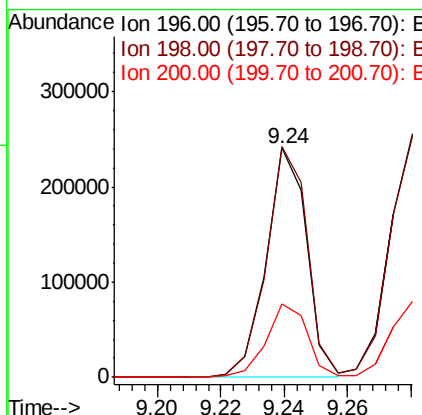
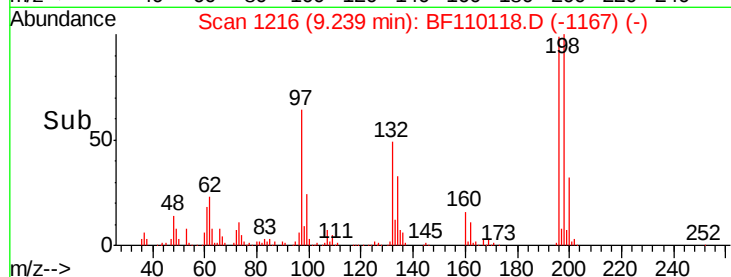
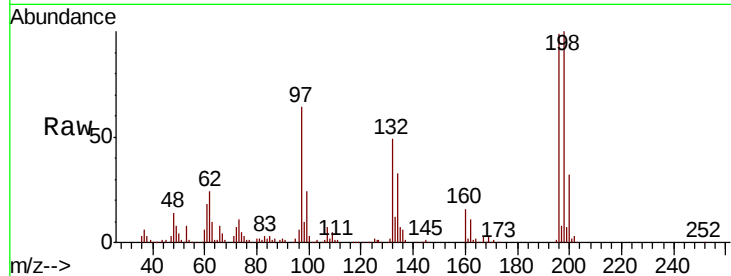
#43
2,4,6-Trichlorophenol
Concen: 44.550 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion:	196	Resp:	214290
Ion Ratio	Lower	Upper	
196	100		
198	100.6	76.2	114.4
200	31.8	24.4	36.6

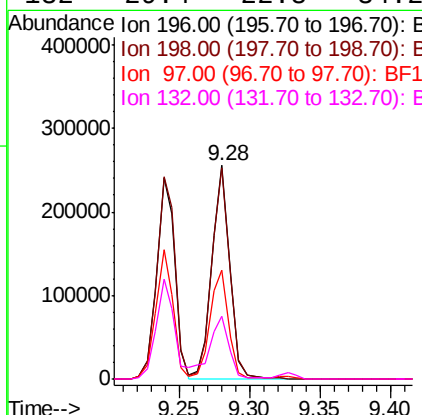
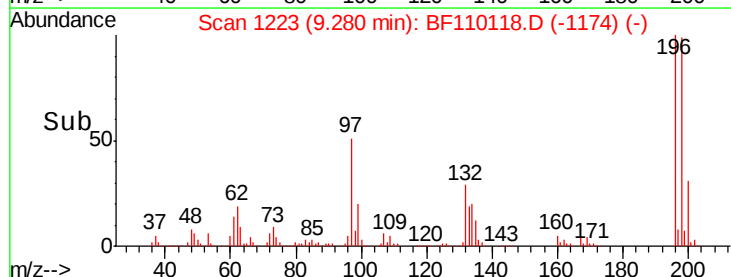
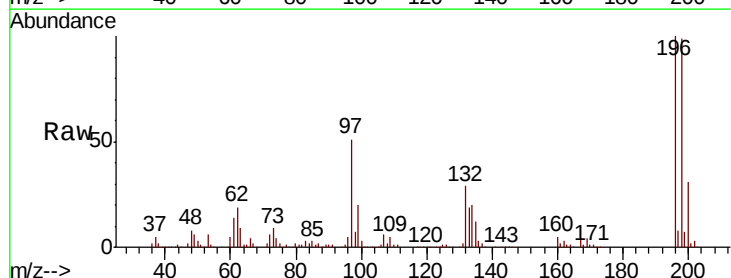
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#44
2,4,5-Trichlorophenol
Concen: 44.566 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion:	196	Resp:	226592
Ion Ratio	Lower	Upper	
196	100		
198	98.9	75.8	113.6
97	51.1	42.4	63.6
132	29.4	22.8	34.2





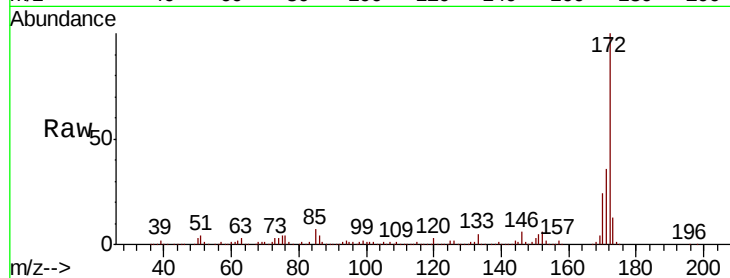
#45
2-Fluorobiphenyl
Concen: 86.282 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

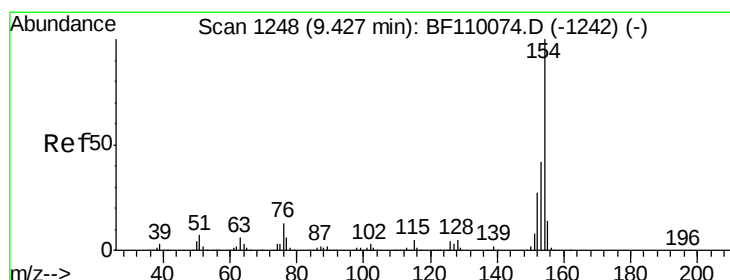
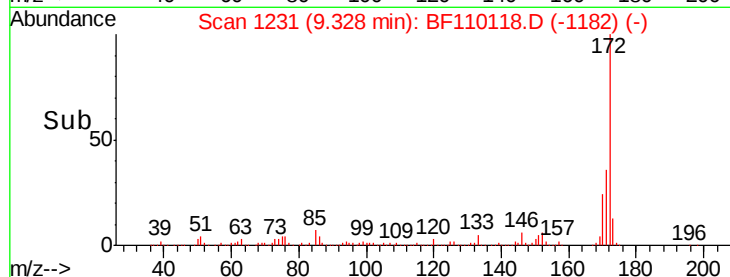
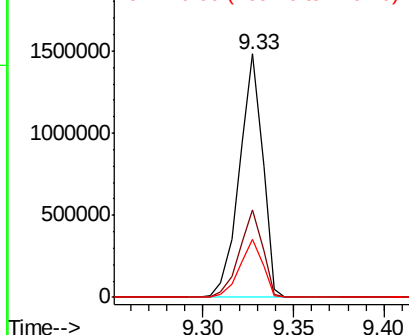
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.0	19.7	29.5

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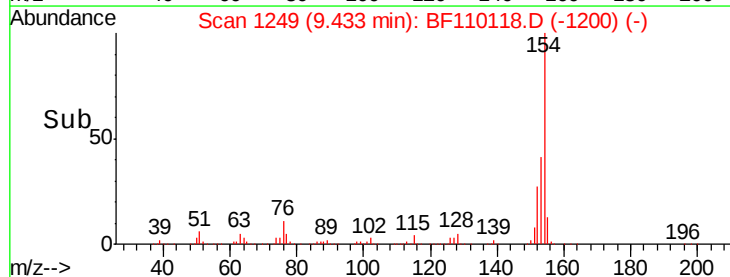
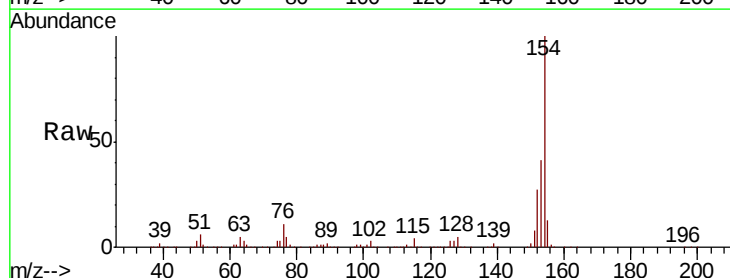
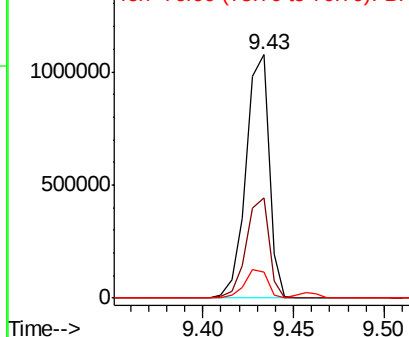
Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

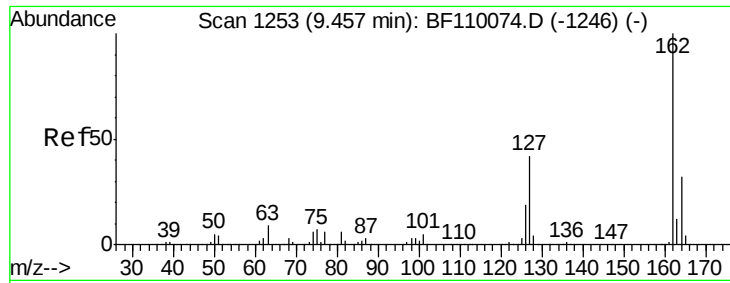


#46
1,1'-Biphenyl
Concen: 44.118 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.4	60.4
76	10.5	0.0	31.9

Abundance Ion 154.00 (153.70 to 154.70): E
1500000
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 44.533 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

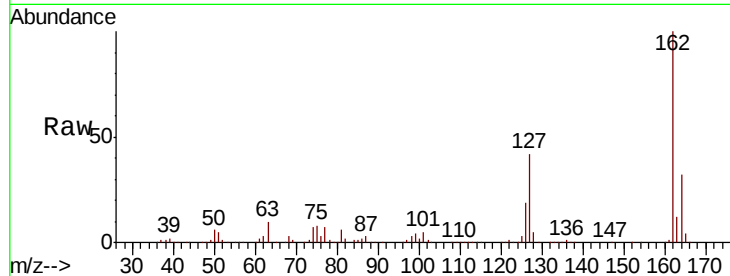
ClientSampleId :

RAV-GT104MS

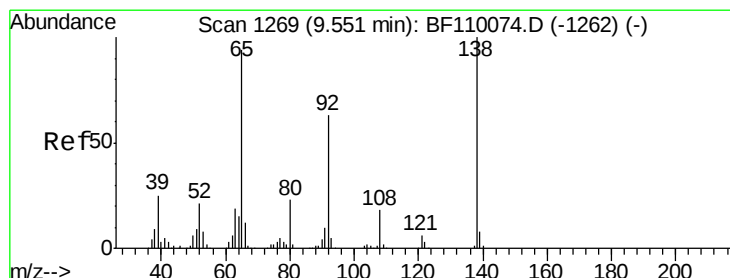
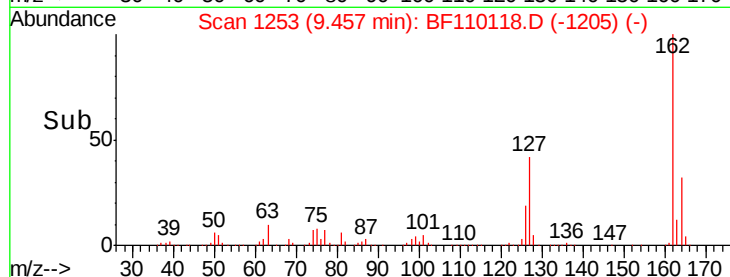
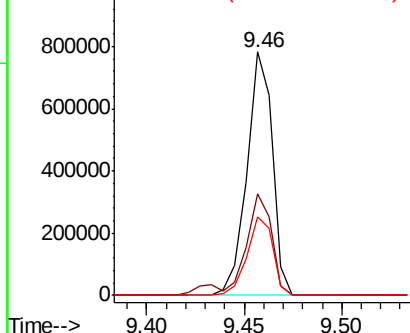
Tot Ion:	162	Resp:	707046
Ion Ratio	Lower	Upper	
162	100		
127	41.7	32.6	48.8
164	32.0	25.9	38.9

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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: 46.738 ng

RT: 9.55 min Scan# 1269

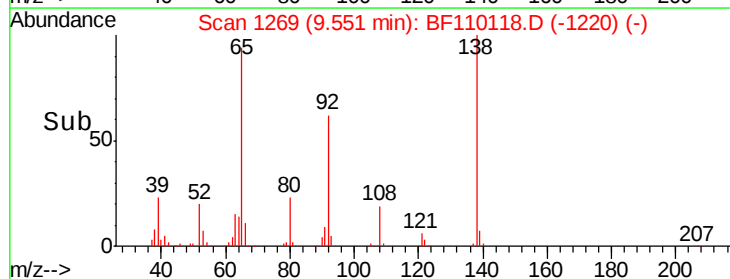
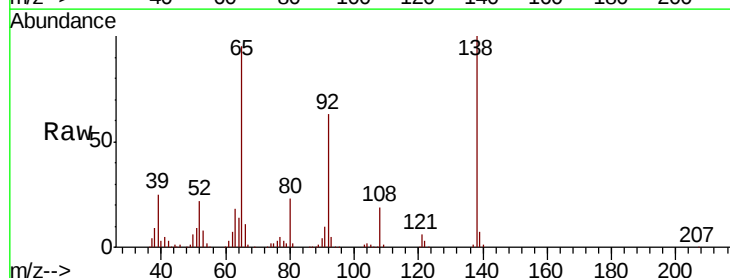
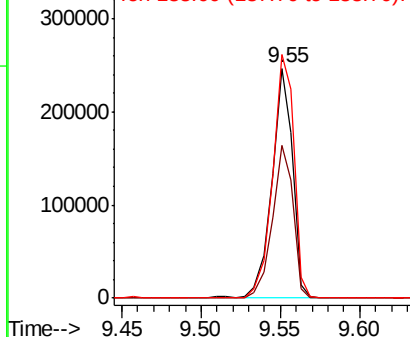
Delta R.T. -0.01 min

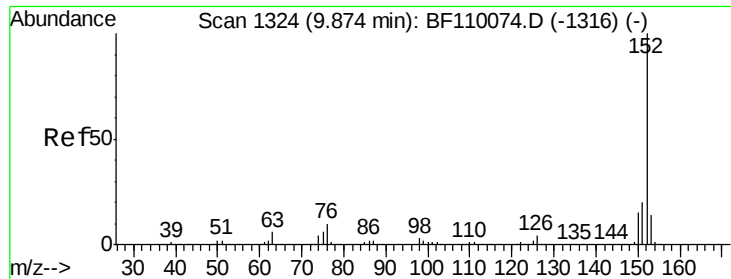
Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Tgt Ion:	65	Resp:	224862
Ion Ratio	Lower	Upper	
65	100		
92	66.2	54.6	81.8
138	105.8	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: 45.934 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion:152 Resp: 1053339

Ion Ratio Lower Upper

152 100

151 20.7 15.8 23.8

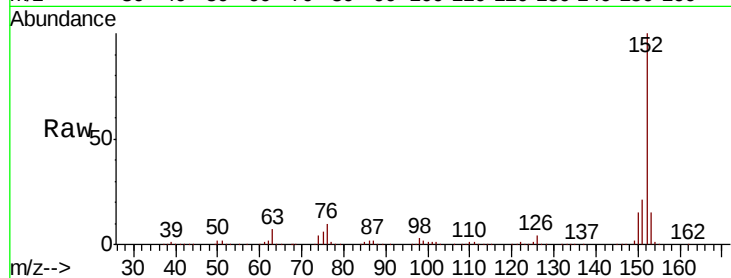
153 14.5 10.4 15.6

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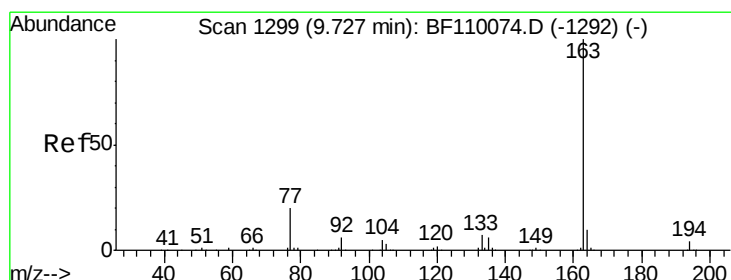
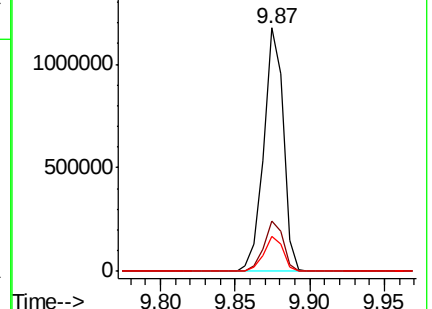
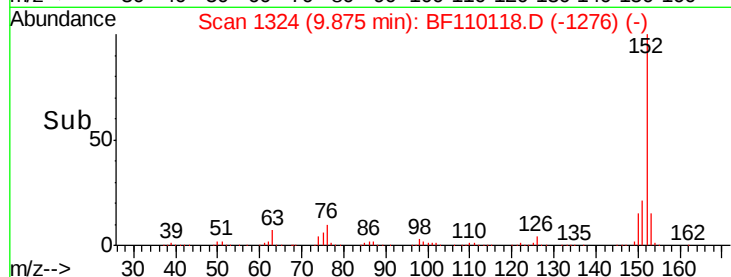
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.683 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

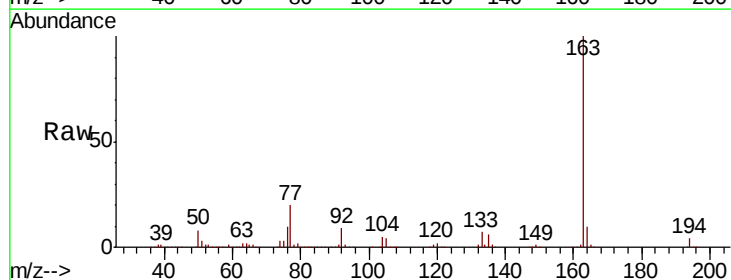
Tgt Ion:163 Resp: 895473

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

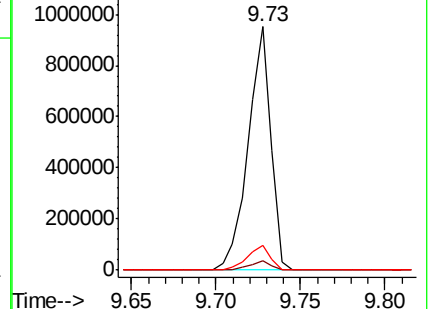
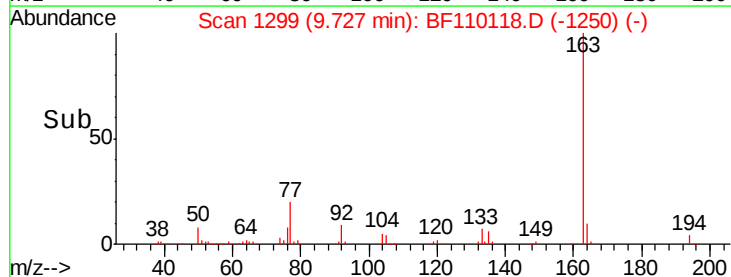
164 10.3 8.1 12.1

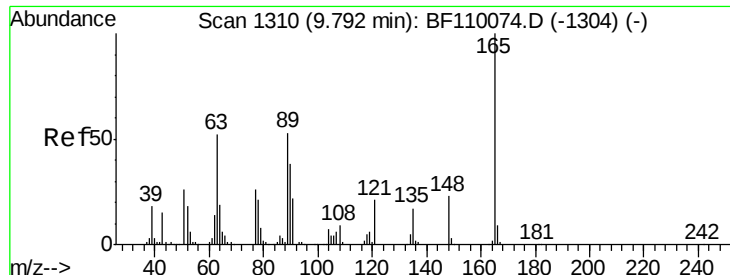


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





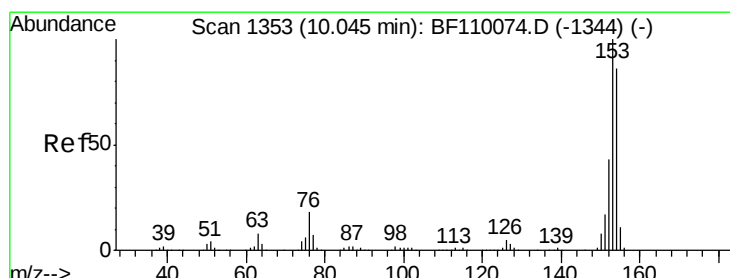
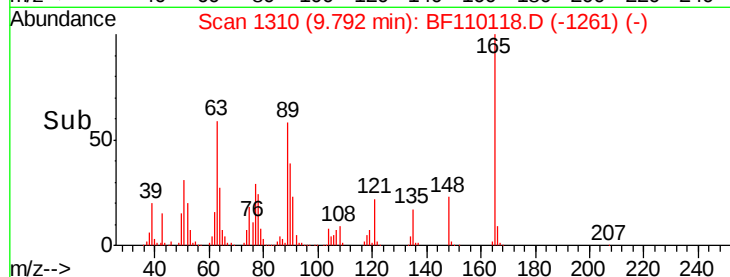
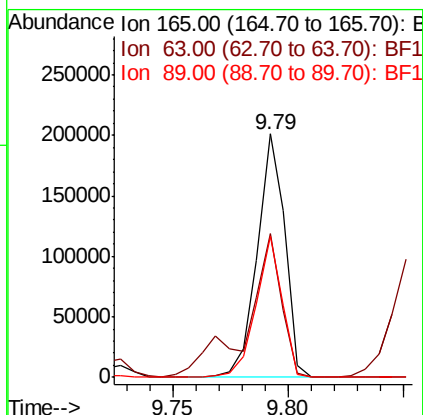
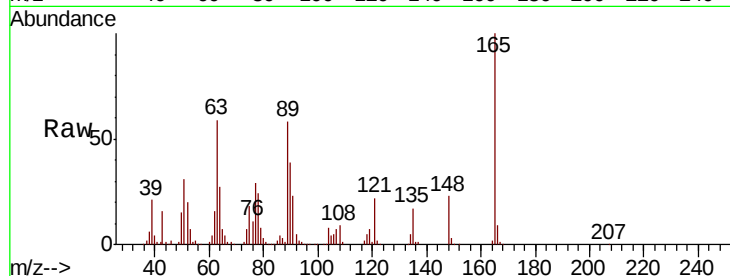
#51
2,6-Dinitrotoluene
Concen: 44.120 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	167914		
63	59.2	48.9	73.3	
89	57.8	46.6	69.8	

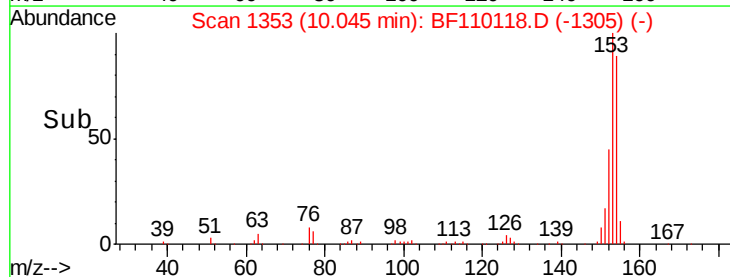
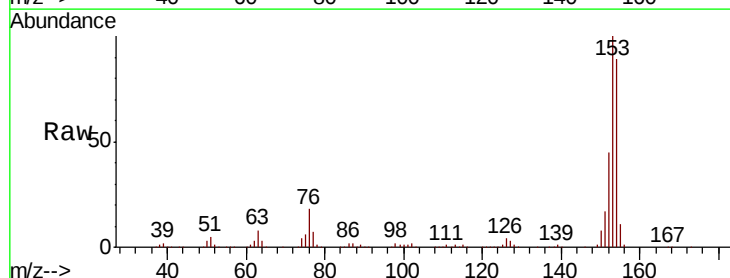
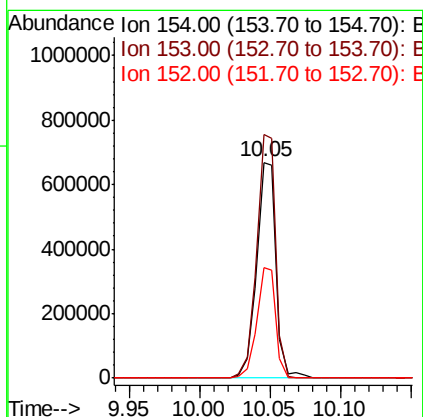
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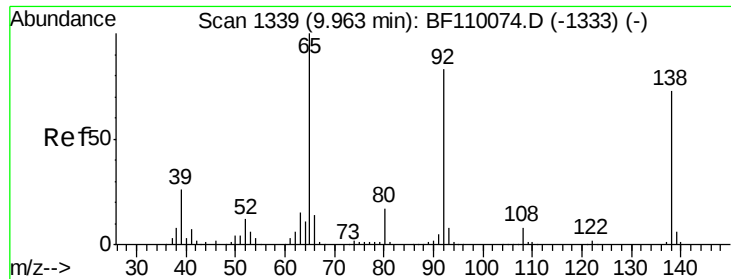
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#52
Acenaphthene
Concen: 42.982 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	652058		
153	112.8	90.1	135.1	
152	51.0	43.4	65.2	





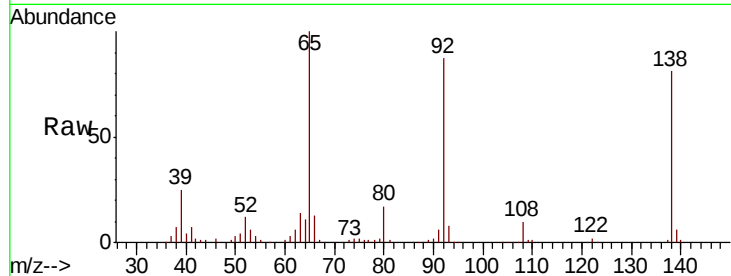
#53
3-Nitroaniline
Concen: 22.309 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.7	13.1
92	107.0	97.0	145.4

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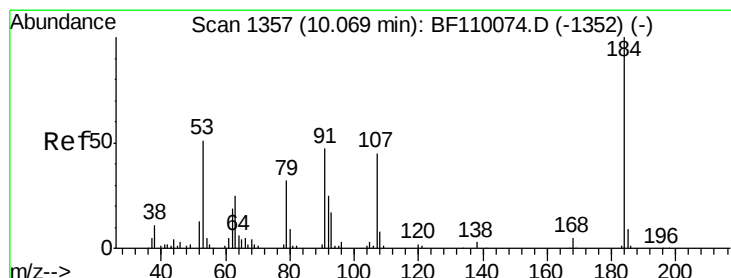
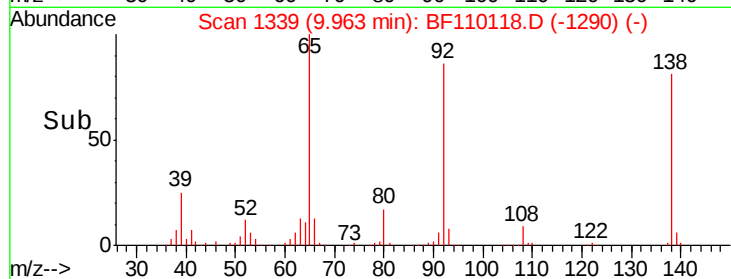
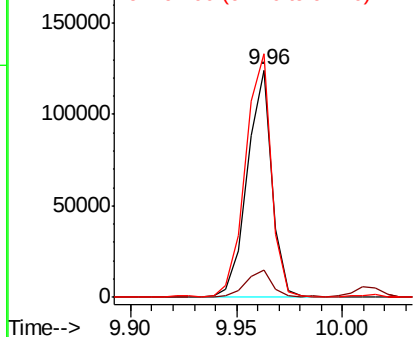


Abundance

Ion 138.00 (137.70 to 138.70): E

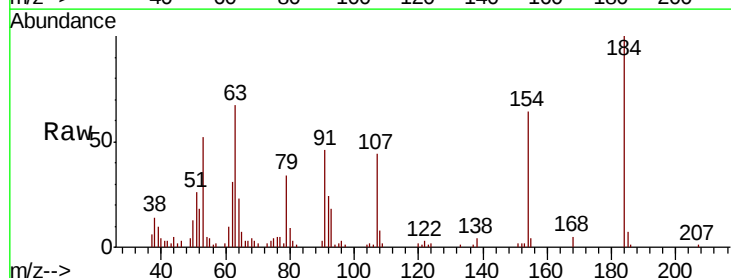
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 19.515 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.5	55.8	83.6
154	63.6	63.2	94.8

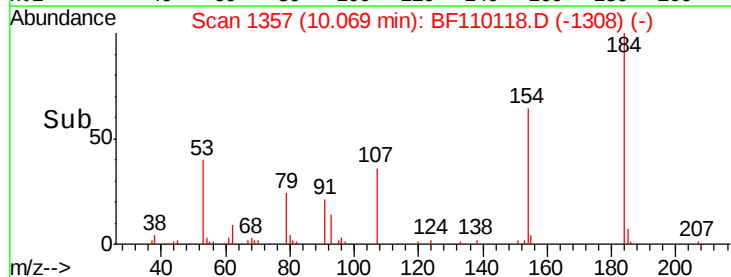
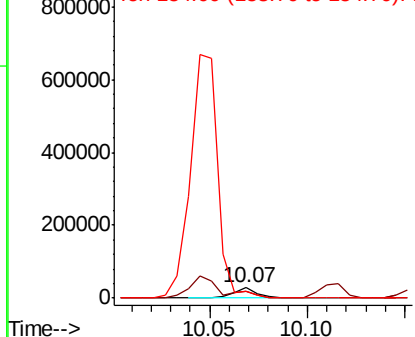


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





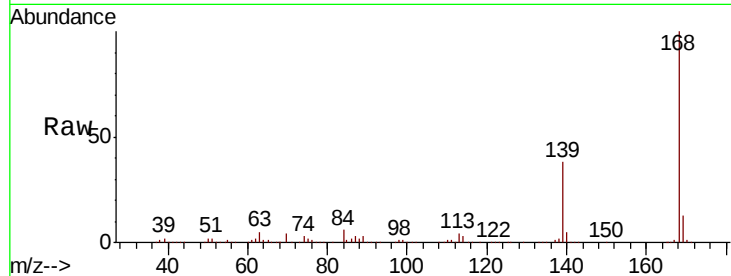
#55
Dibenzofuran
Concen: 43.082 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	33.0	49.6
169	13.3	11.3	16.9

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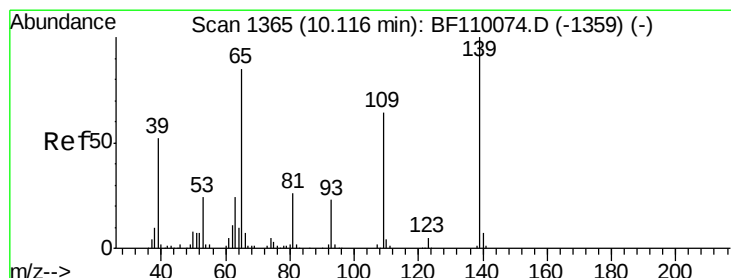
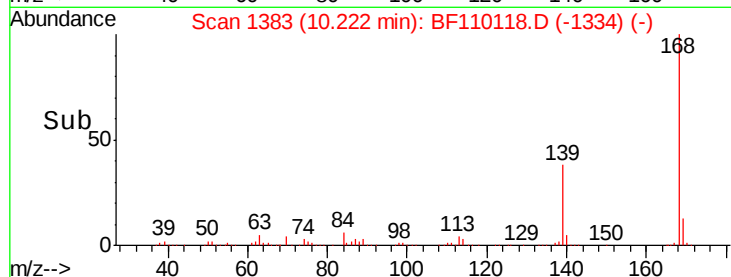
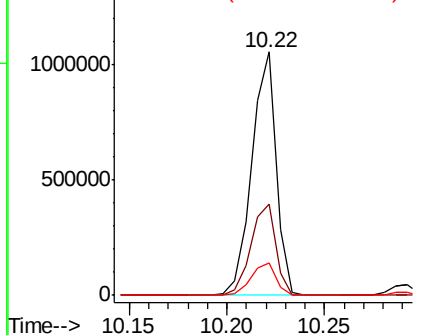


Abundance

Ion 168.00 (167.70 to 168.70): E

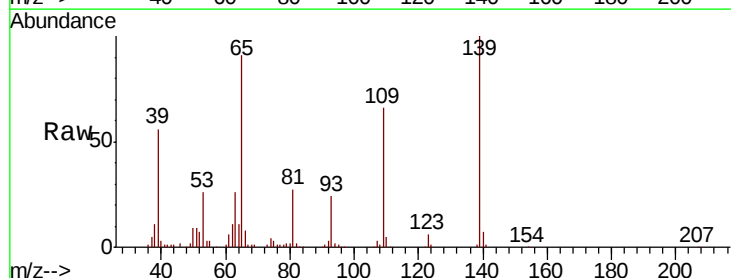
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 40.558 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.5	55.8	95.8
65	91.1	77.9	117.9

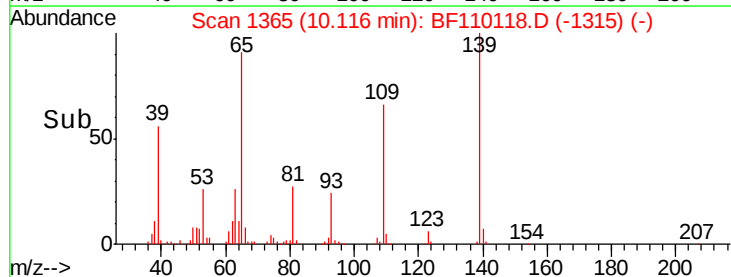
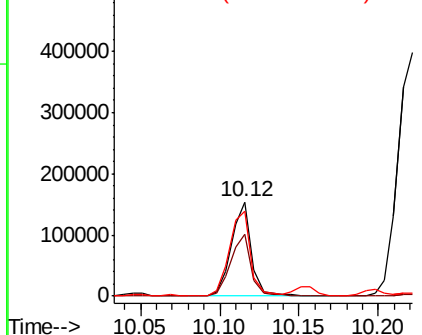


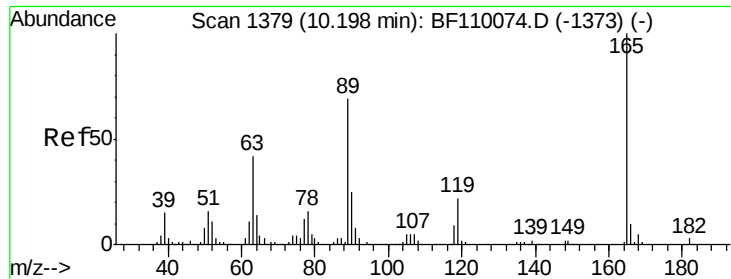
Abundance

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: 40.373 ng

RT: 10.20 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	195168		

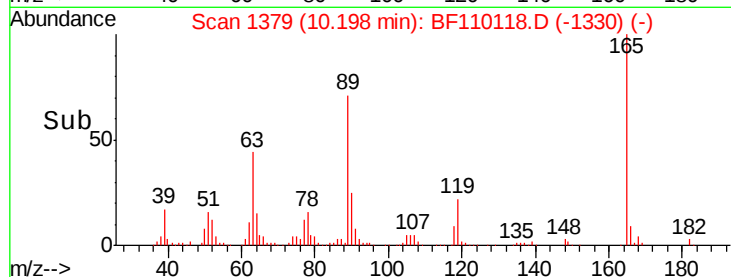
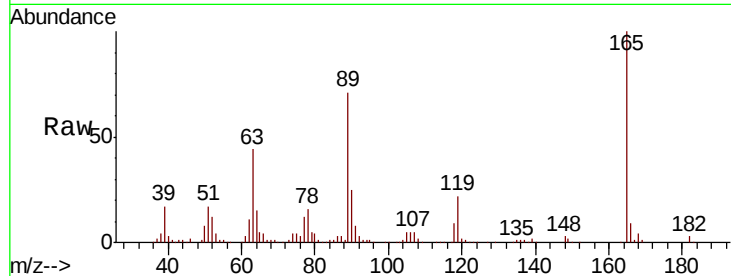
63	43.8	44.8	67.2
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89	70.7	62.2	93.4
----	------	------	------

182	2.5	2.1	3.1
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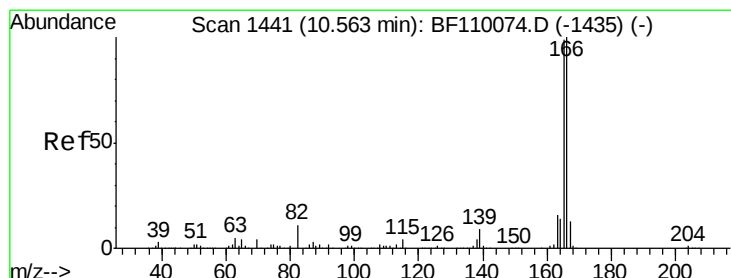
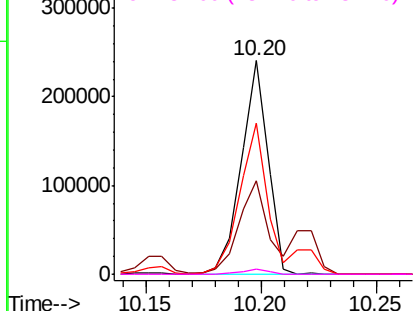
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 43.737 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

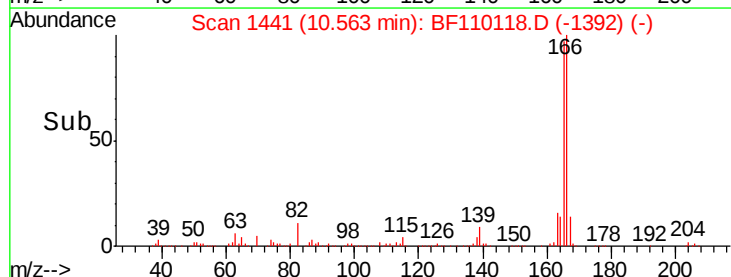
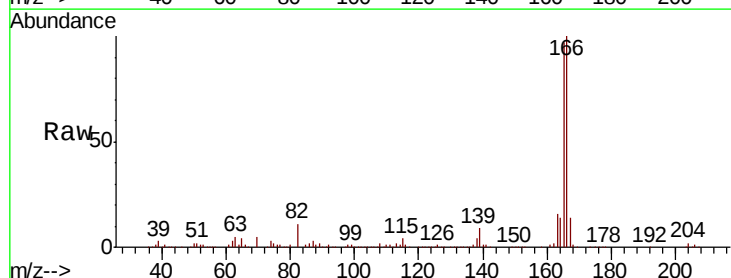
Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	691386		

165	97.0	78.6	117.8
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167	13.5	10.8	16.2
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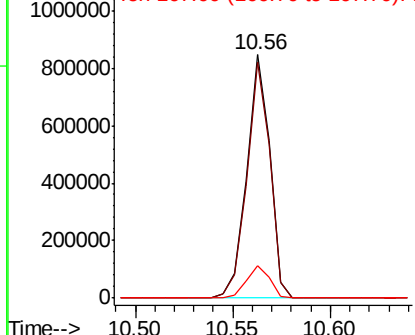


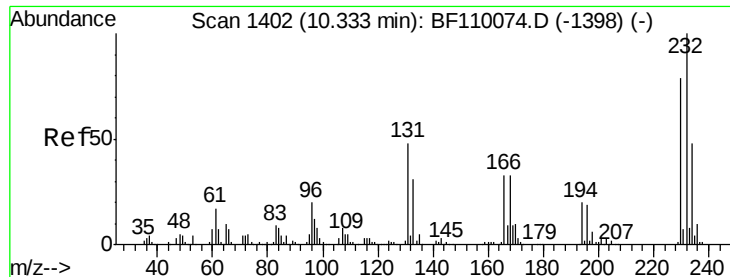
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





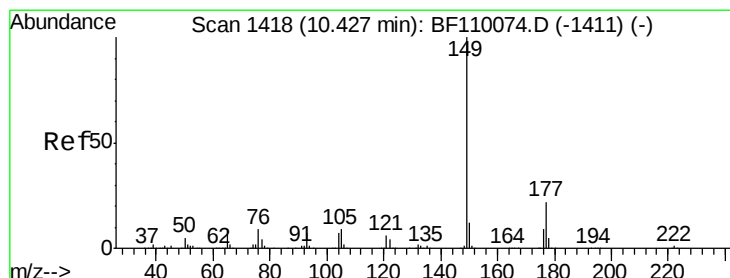
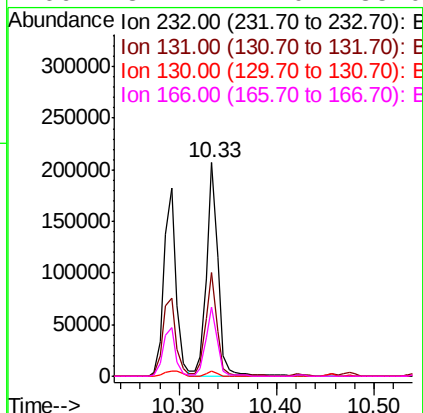
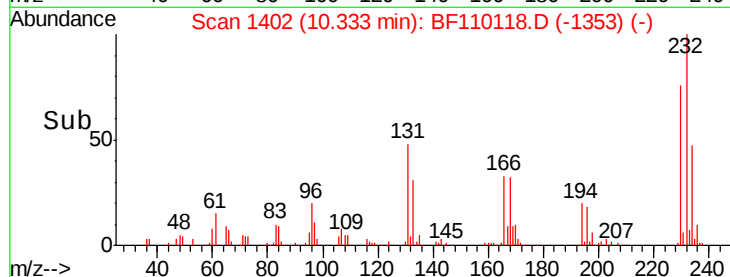
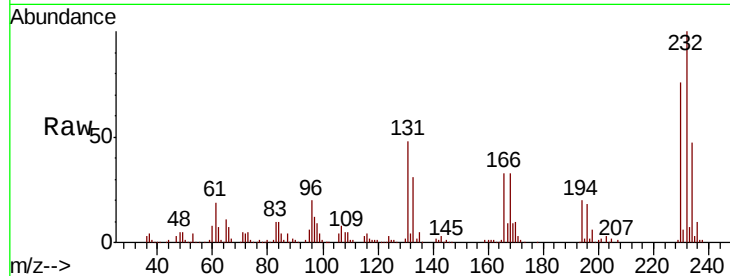
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.533 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.8	37.0	55.4
130	2.2	1.8	2.6
166	32.1	22.0	33.0

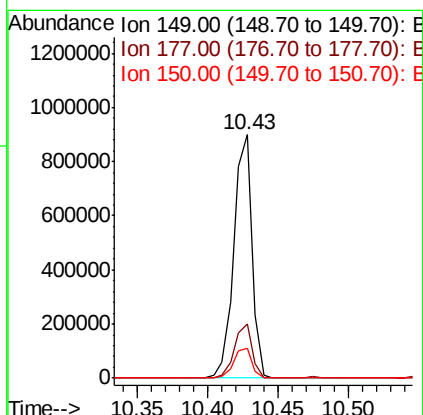
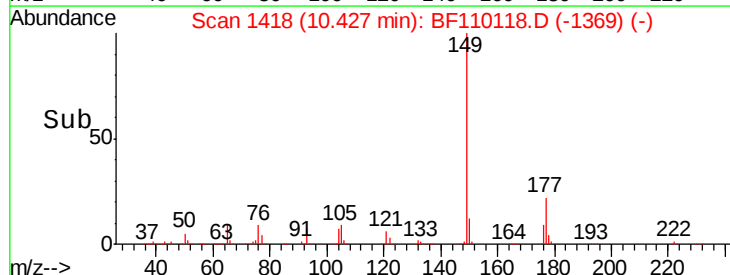
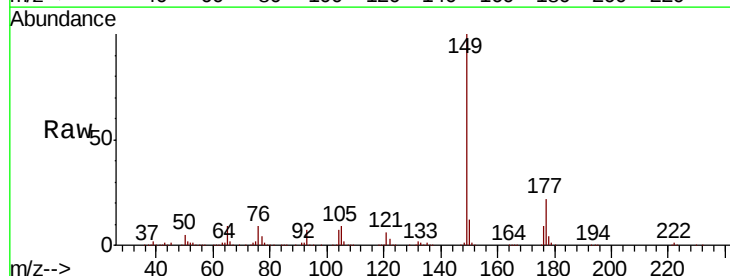
Manual Integrations
 APPROVED

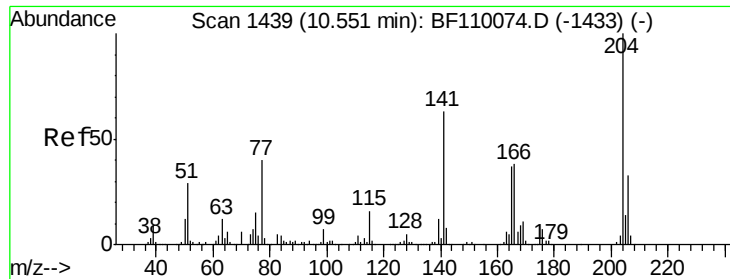
Sohil
 10/25/2018 11:15:14 AM



#60
 Diethylphthalate
 Concen: 46.731 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.4	26.2
150	12.4	9.8	14.8





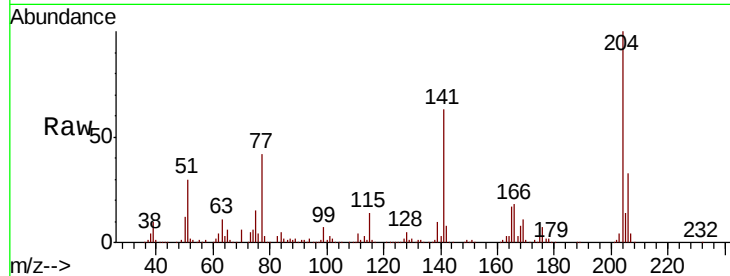
#61
4-Chlorophenyl-phenylether
Concen: 41.674 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	63.4	51.8	77.8

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:14 AM

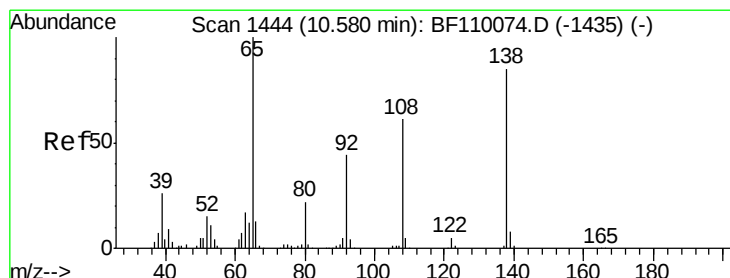
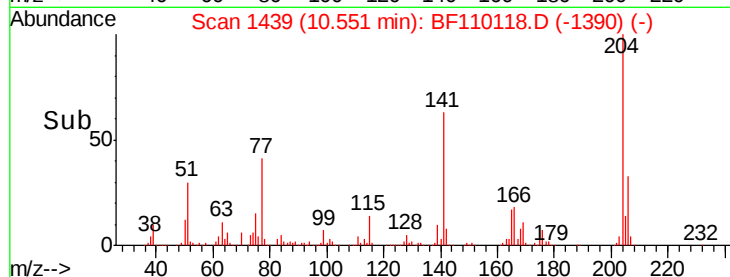
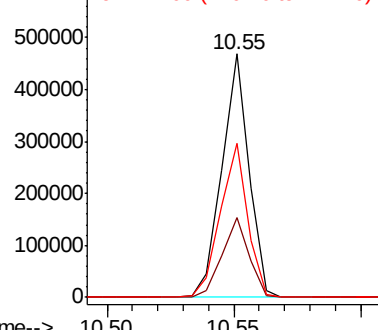


Abundance

Ion 204.00 (203.70 to 204.70): E

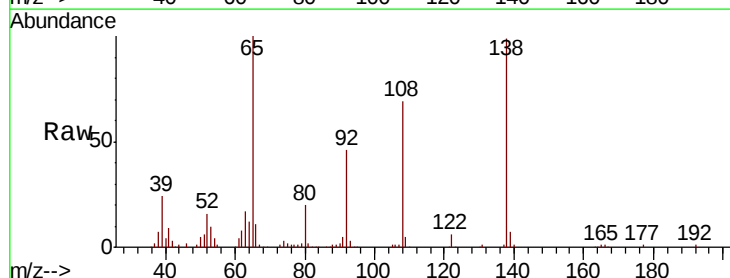
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 34.399 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.0	31.7	71.7
108	69.7	59.3	99.3

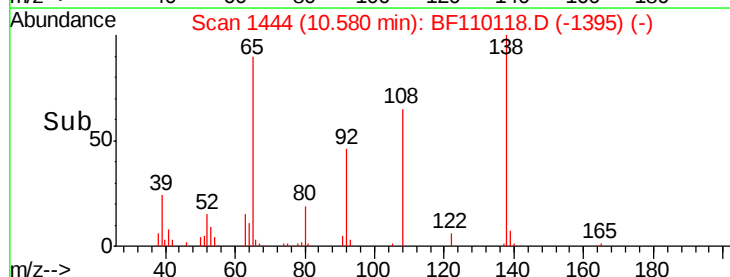
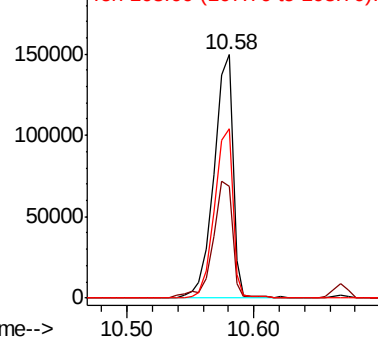


Abundance

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





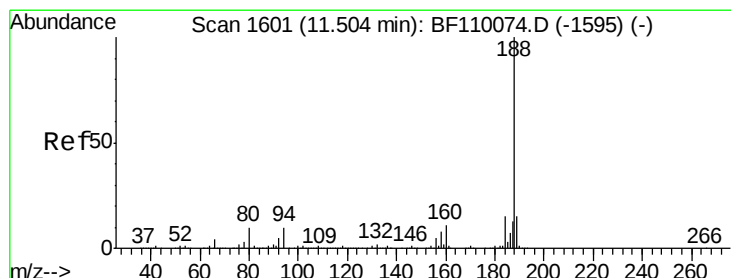
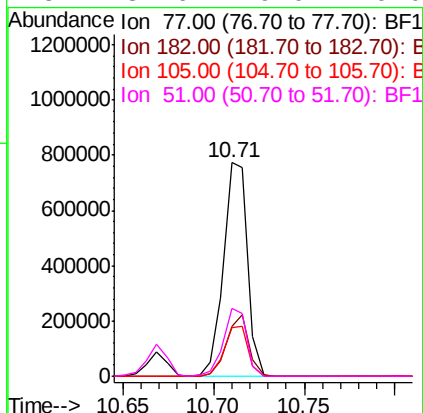
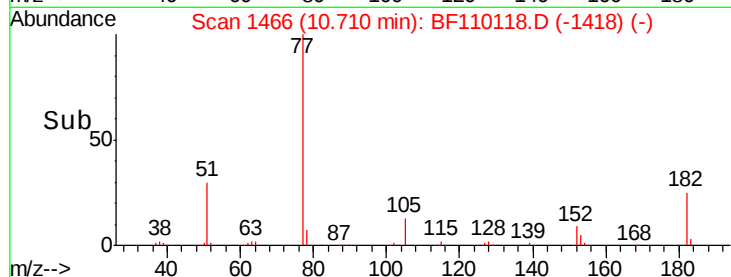
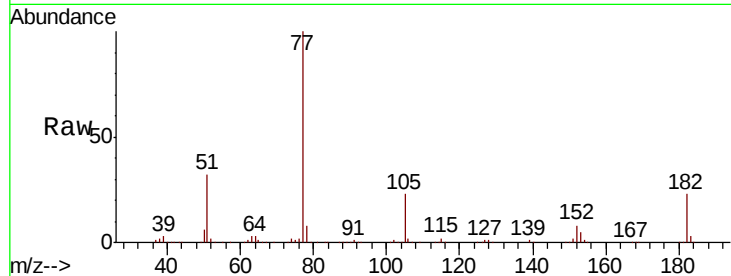
#63
Azobenzene
Concen: 41.651 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	23.3	4.3	44.3
105	22.6	1.3	41.3
51	31.6	9.0	49.0

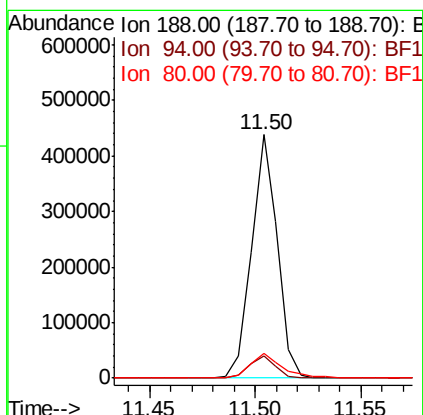
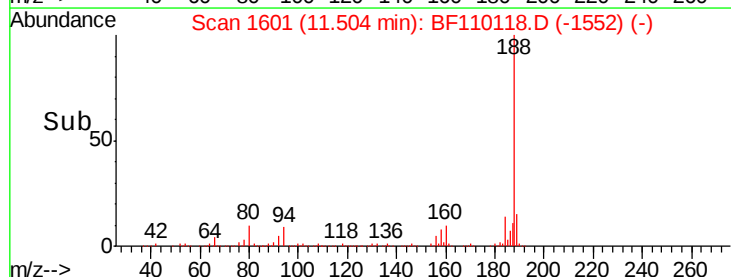
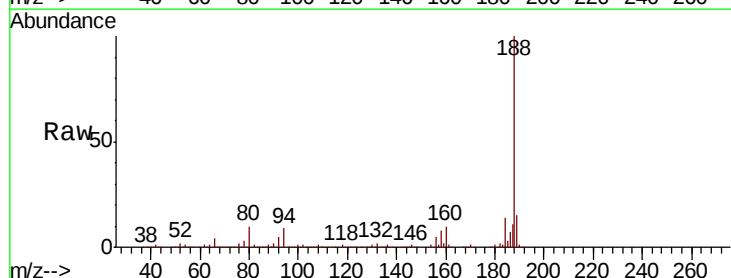
Manual Integrations
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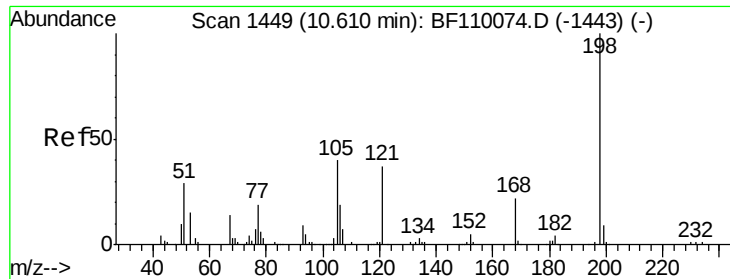
Sohil
10/25/2018 11:15:14 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	10.1	7.9	11.9





#65

4,6-Dinitro-2-methylphenol

Concen: 11.299 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion:198 Resp: 19076

Ion Ratio Lower Upper

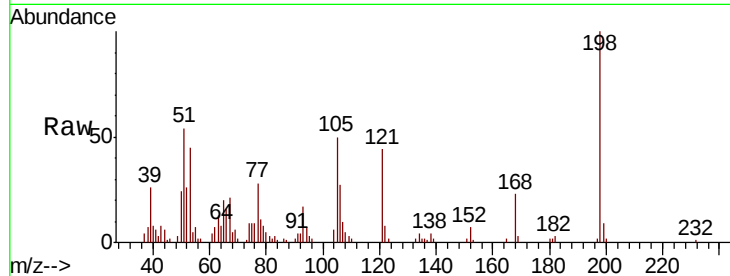
198 100

51 53.8 22.8 62.8

105 50.3 23.6 63.6

Manual Integrations
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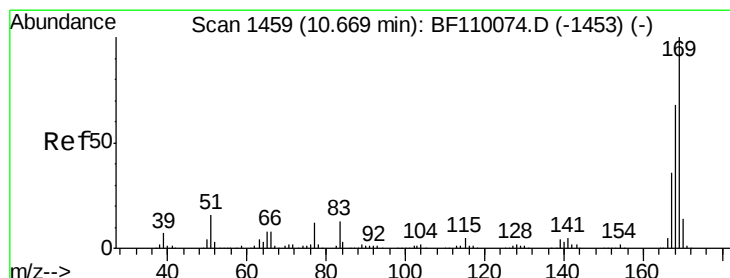
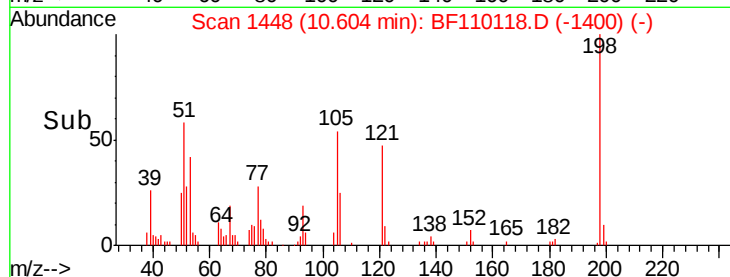
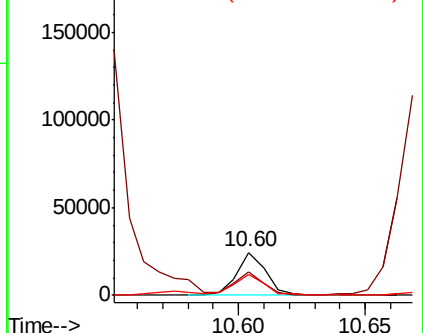
Sohil
10/25/2018 11:15:14 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 50.860 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

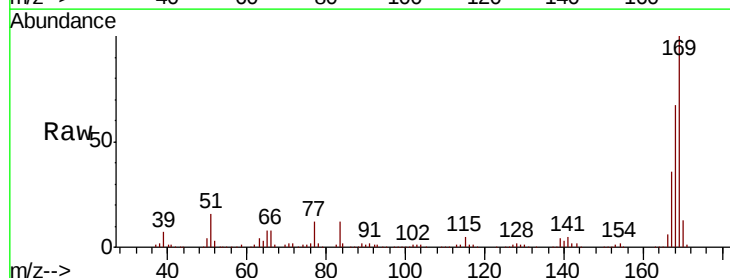
Tgt Ion:169 Resp: 616446

Ion Ratio Lower Upper

169 100

168 66.6 51.2 76.8

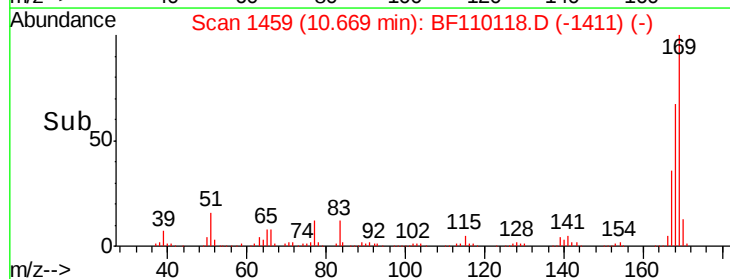
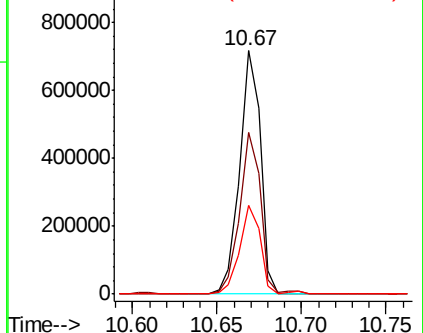
167 36.4 27.8 41.6

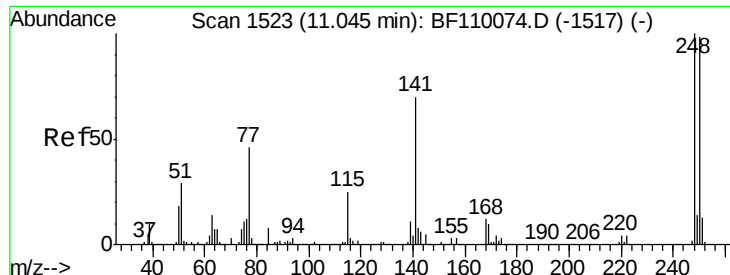


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





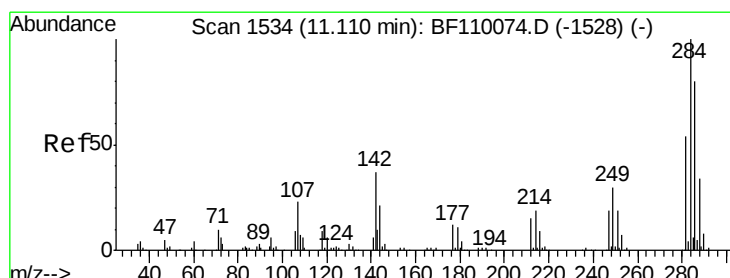
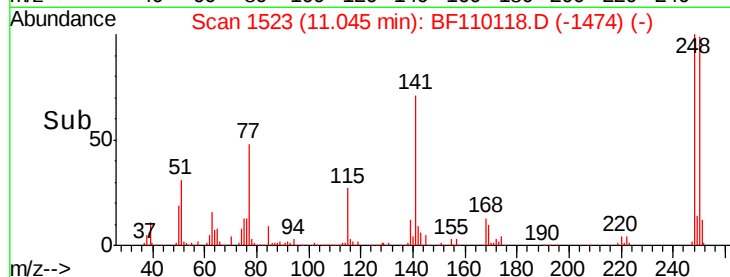
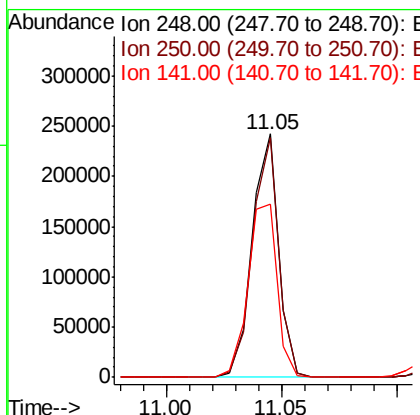
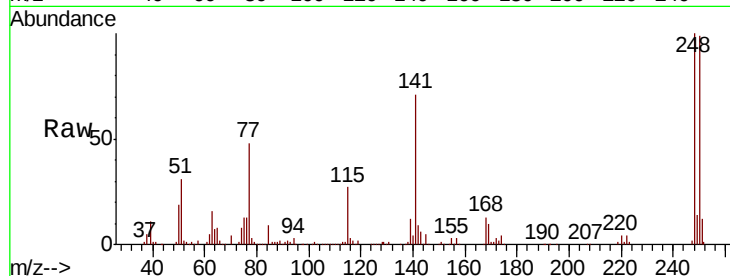
#67
4-Bromophenyl-phenylether
Concen: 48.409 ng
RT: 11.05 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.4	119.2
141	71.0	55.9	83.9

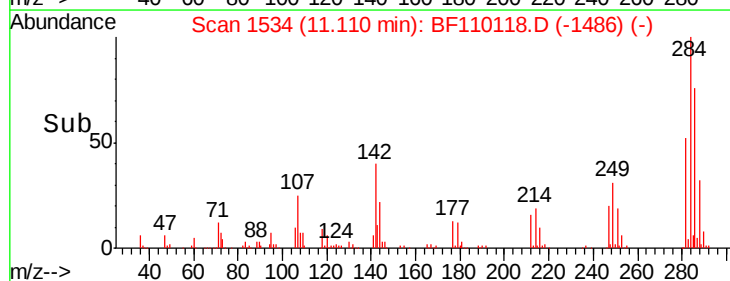
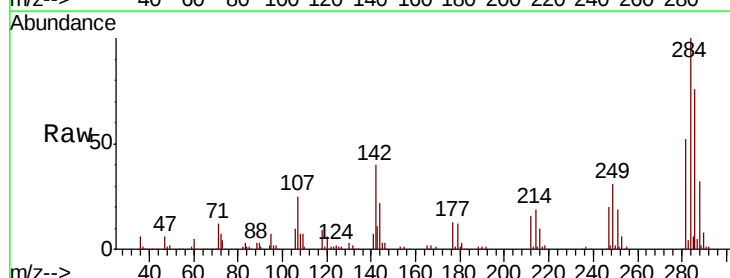
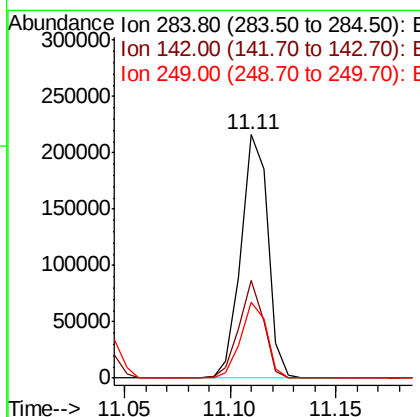
Manual Integrations
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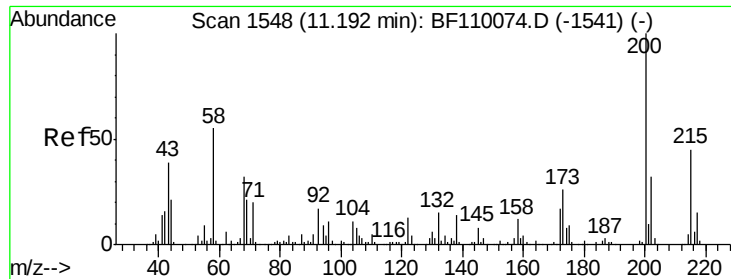
Sohil
10/25/2018 11:15:14 AM



#68
Hexachlorobenzene
Concen: 44.863 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.2	23.9	35.9#
249	31.1	24.2	36.2





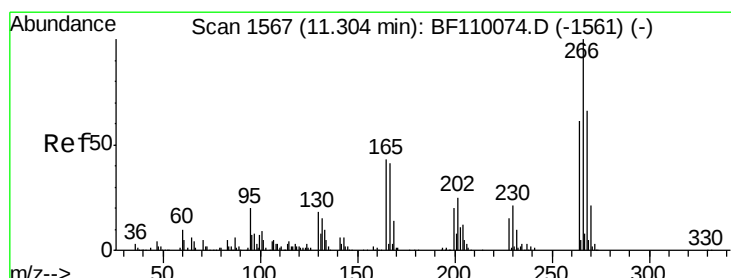
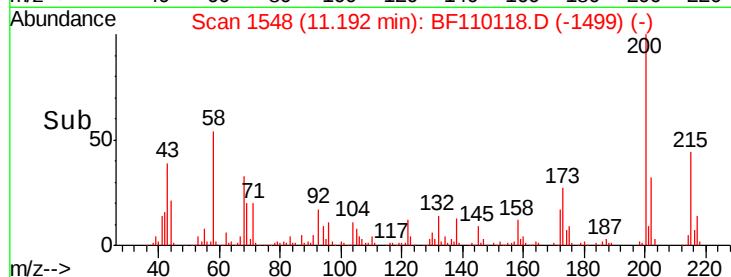
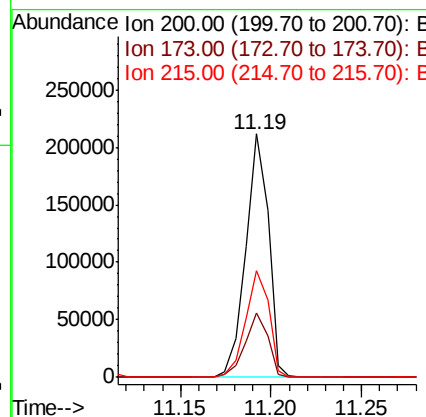
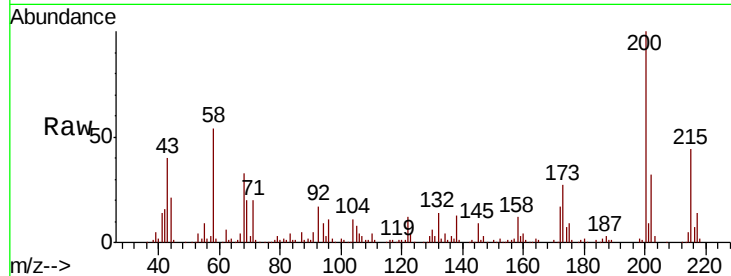
#69
Atrazine
Concen: 48.081 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.6	6.6	46.6
215	44.0	26.3	66.3

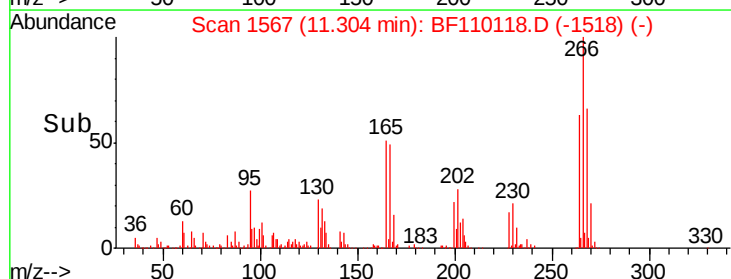
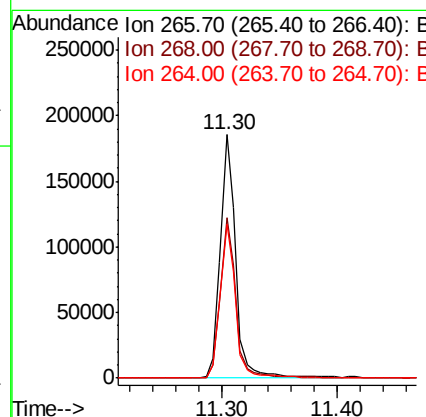
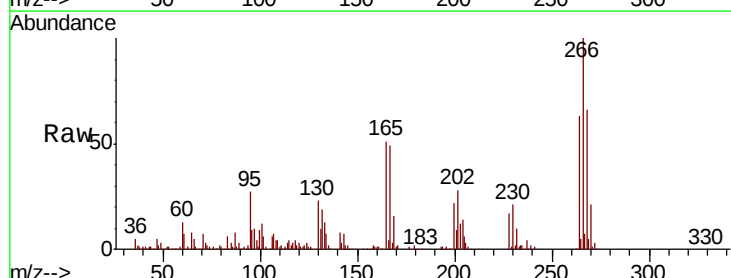
Manual Integrations
APPROVED

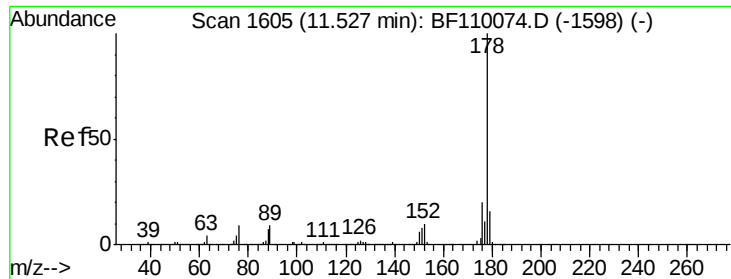
Sohil
10/25/2018 11:15:14 AM



#70
Pentachlorophenol
Concen: 69.673 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	65.8	50.6	75.8
264	63.0	50.6	75.8





#71

Phenanthrene

Concen: 46.422 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

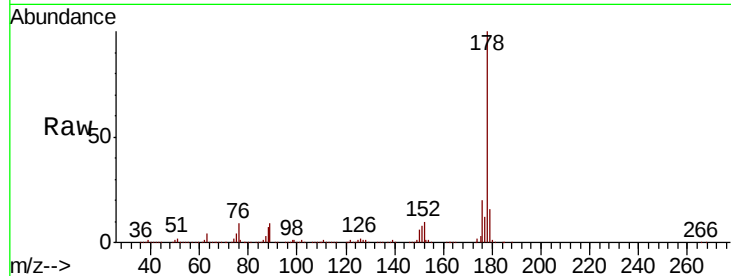
ClientSampleId :

RAV-GT104MS

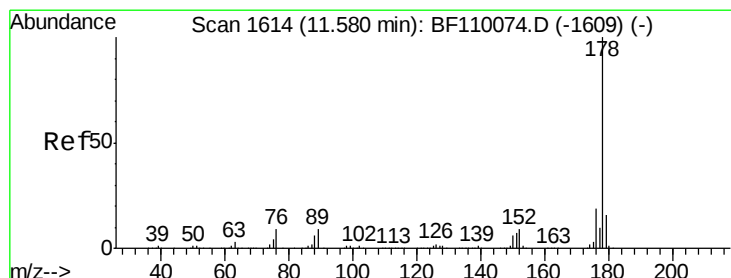
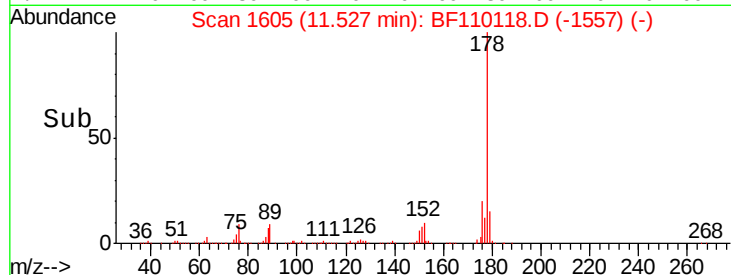
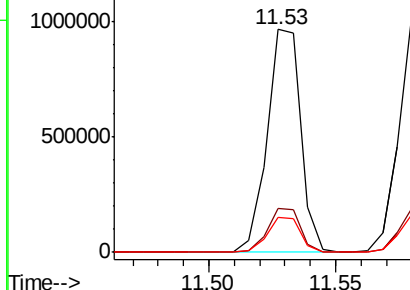
Tot Ion:	178	Resp:	897572
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	15.7	12.5	18.7

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:14 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: 47.628 ng

RT: 11.58 min Scan# 1614

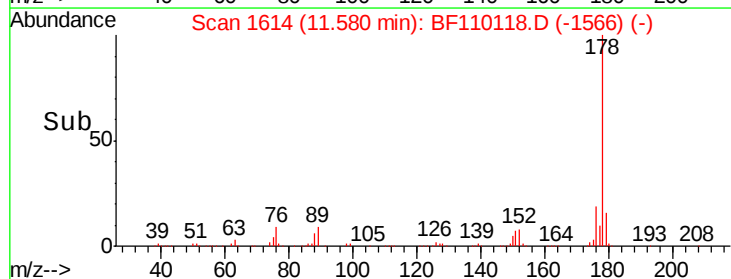
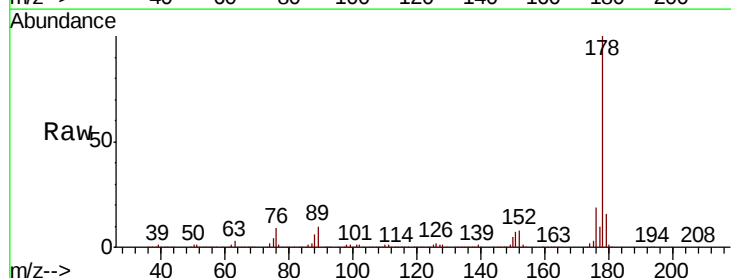
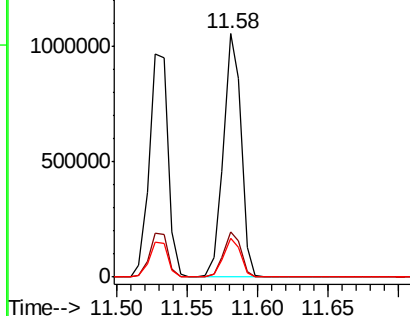
Delta R.T. -0.02 min

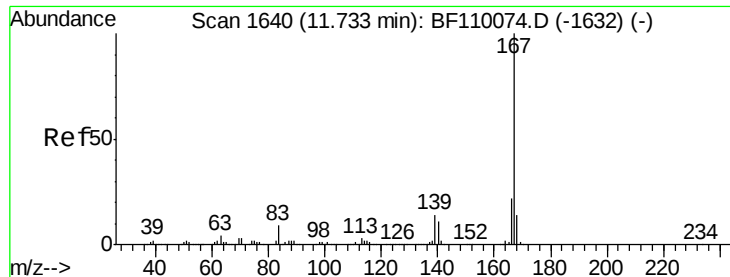
Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Tgt Ion:	178	Resp:	923060
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	16.1	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





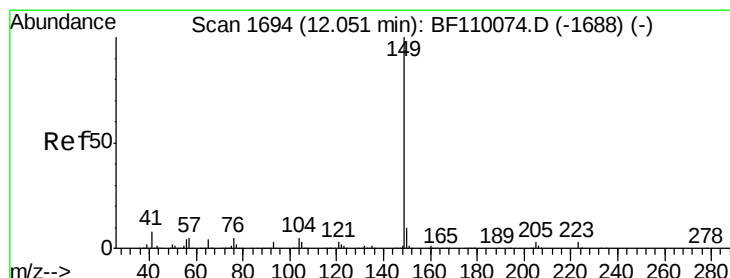
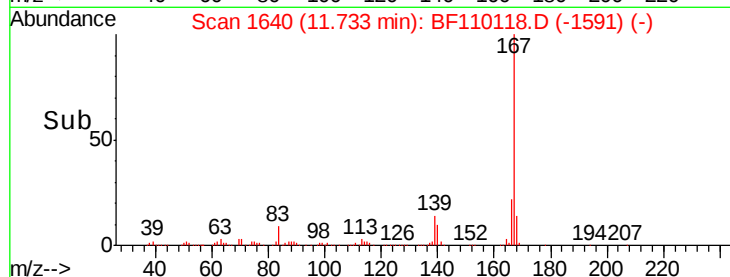
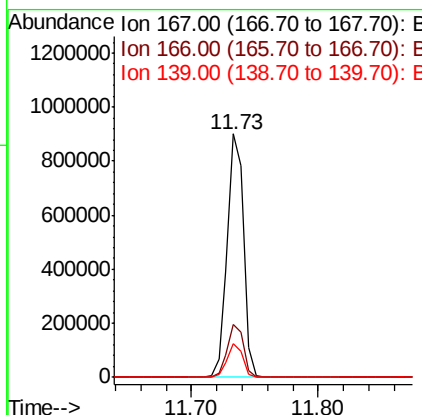
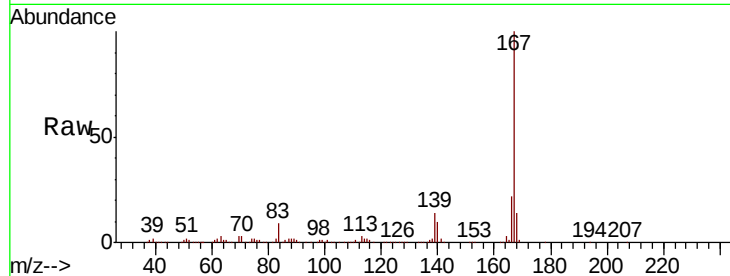
#73
 Carbazole
 Concen: 42.455 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.0
139	13.6	10.9	16.3

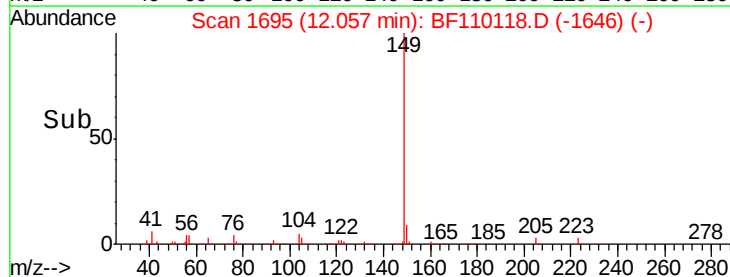
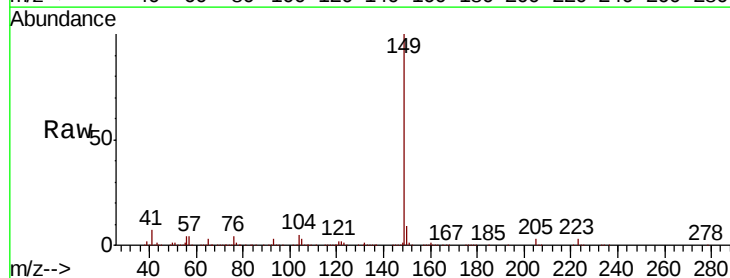
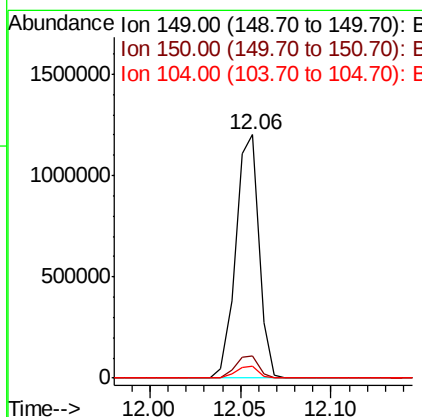
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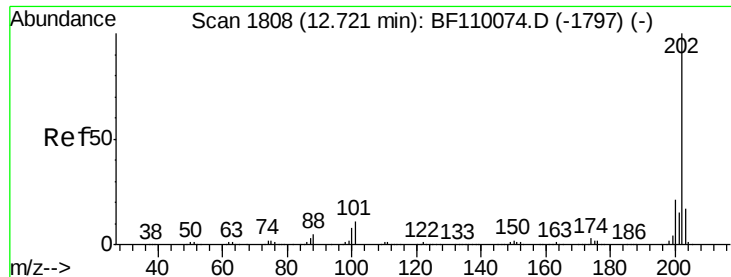
Sohil
 10/25/2018 11:15:14 AM



#74
 Di-n-butylphthalate
 Concen: 50.131 ng
 RT: 12.06 min Scan# 1695
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	4.7	4.2	6.4





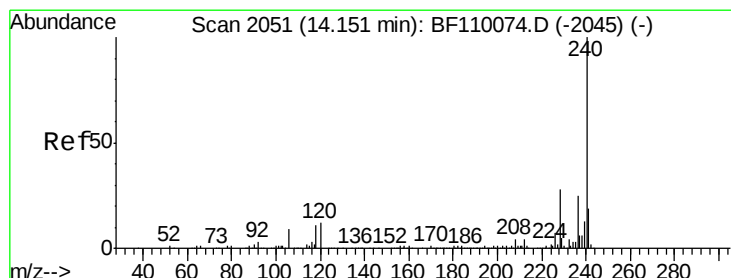
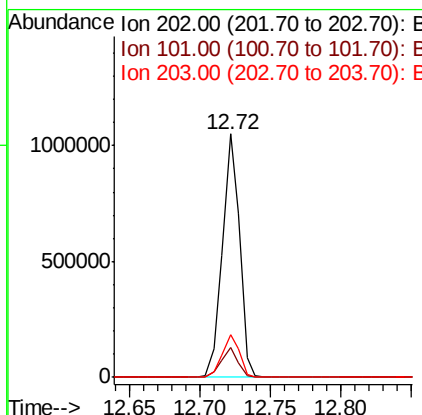
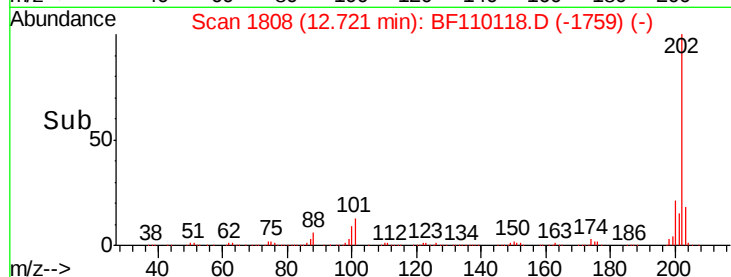
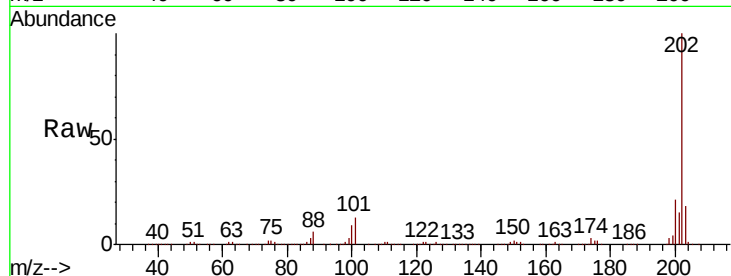
#75
Fluoranthene
Concen: 45.241 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	887763		
101	12.5	0.0	31.4	
203	17.6	0.0	37.7	

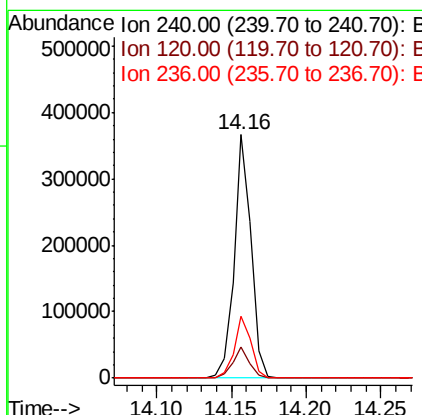
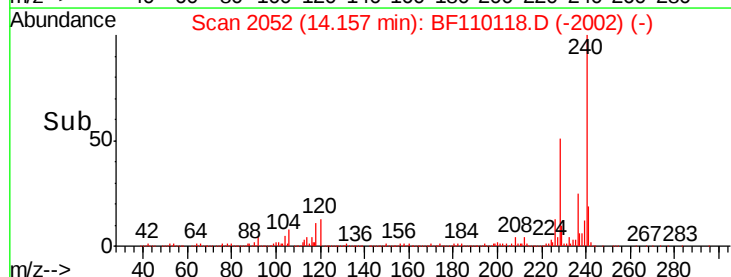
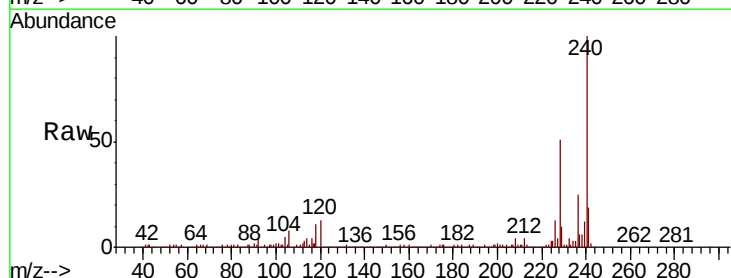
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	292388		
120	12.8	8.3	12.5#	
236	25.4	21.2	31.8	





#77

Benzidine

Concen: Below Cal

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion:184 Resp: 441873

Ion Ratio Lower Upper

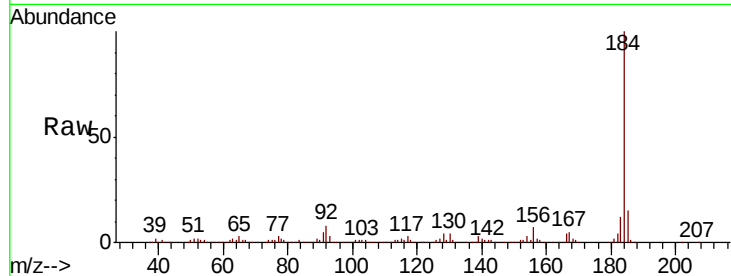
184 100

185 14.6 13.4 20.2

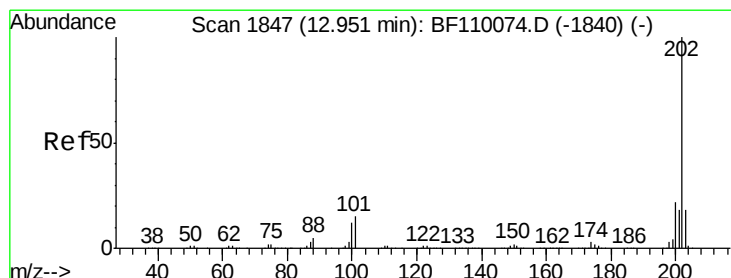
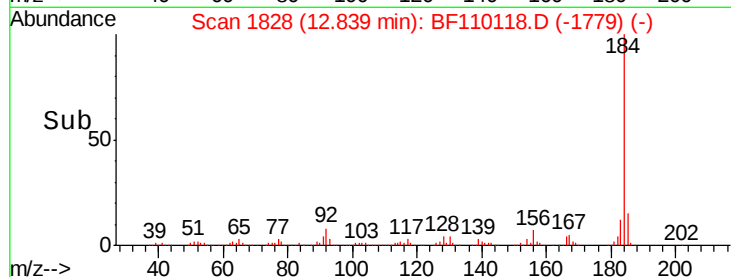
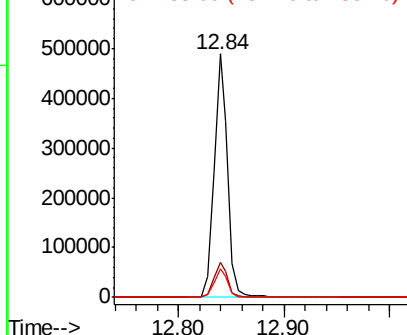
183 11.6 9.4 14.2

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.496 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

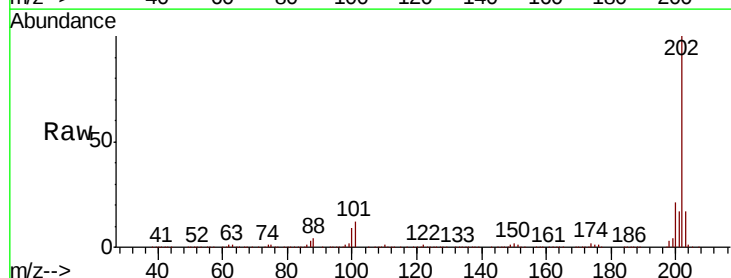
Tgt Ion:202 Resp: 911754

Ion Ratio Lower Upper

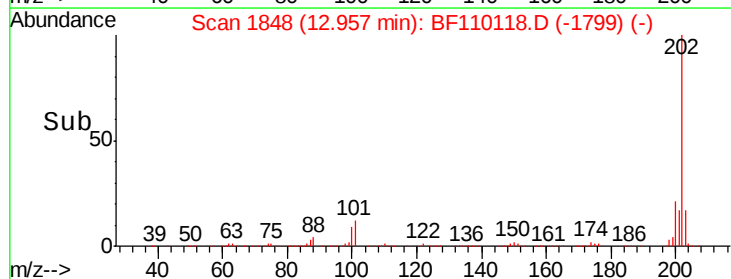
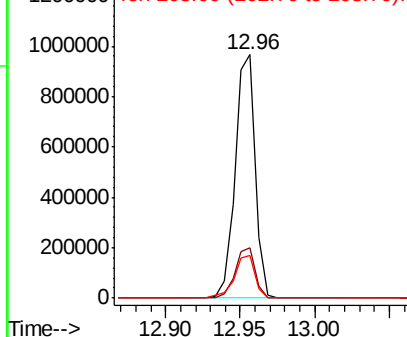
202 100

200 20.9 17.8 26.6

203 17.3 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.733 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion:244 Resp: 1008494

Ion Ratio Lower Upper

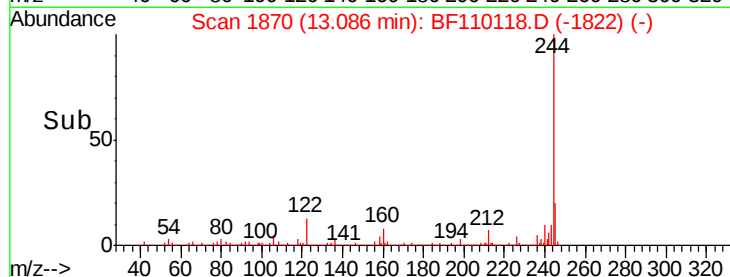
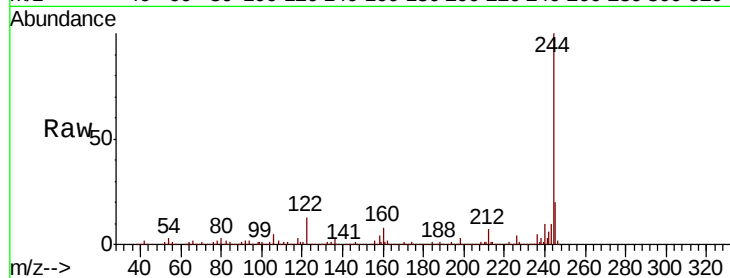
244 100

212 6.9 5.8 8.8

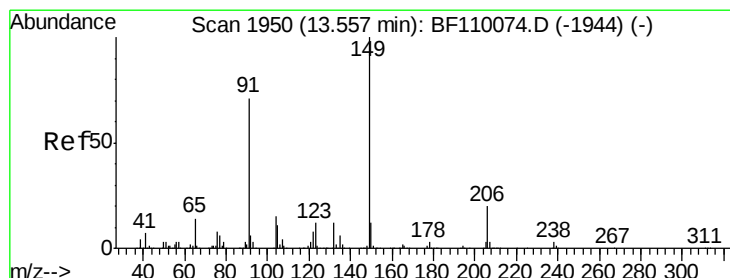
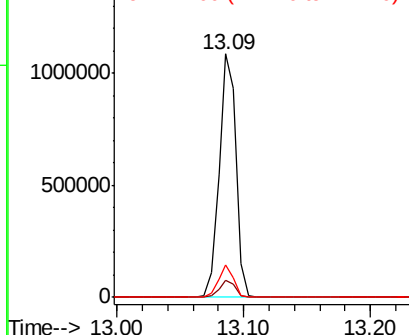
122 13.2 8.7 13.1#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.786 ng

RT: 13.56 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

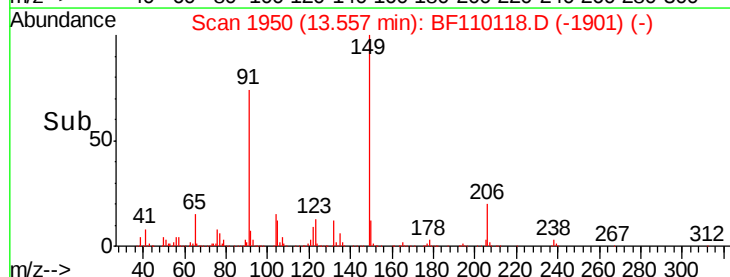
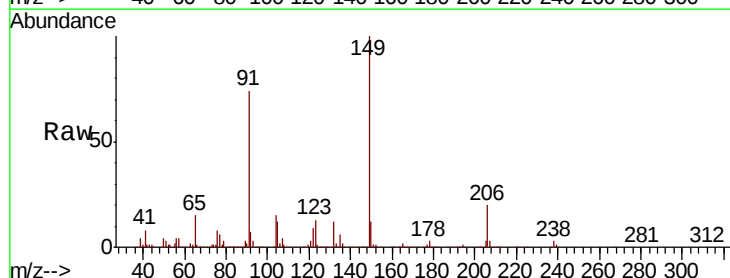
Tgt Ion:149 Resp: 407471

Ion Ratio Lower Upper

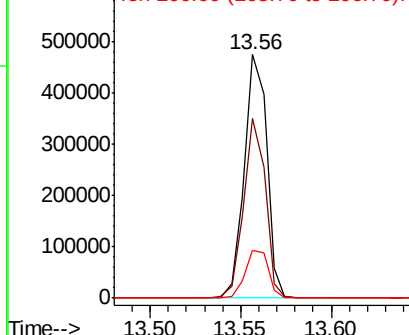
149 100

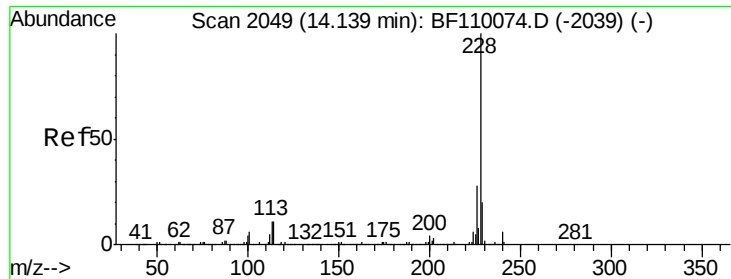
91 73.8 57.2 85.8

206 19.6 15.7 23.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





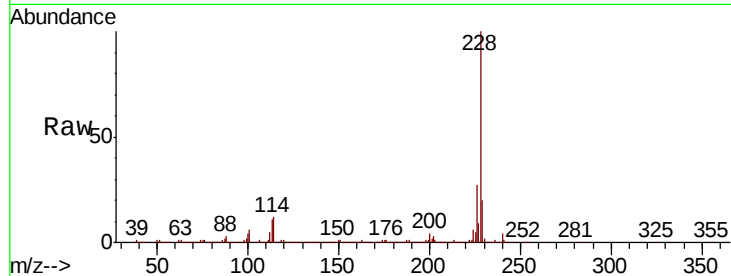
#81
Benzo(a)anthracene
Concen: 48.450 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.8	15.6	23.4

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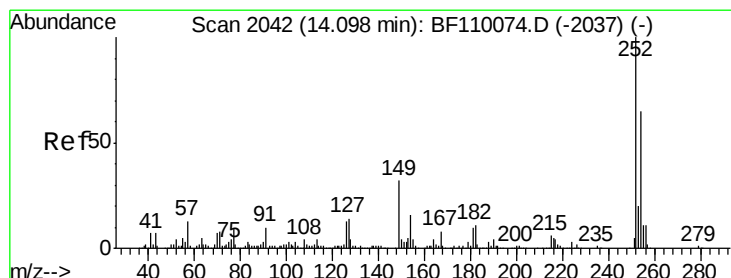
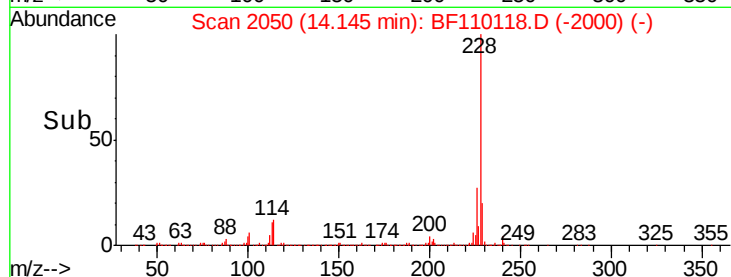
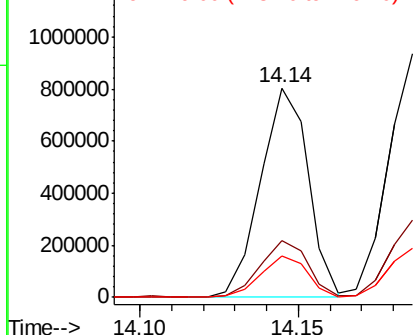


Abundance

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: 44.391 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

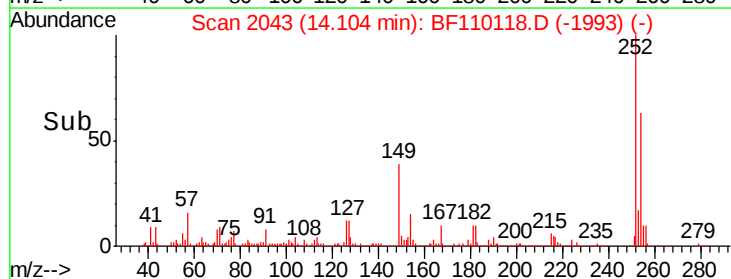
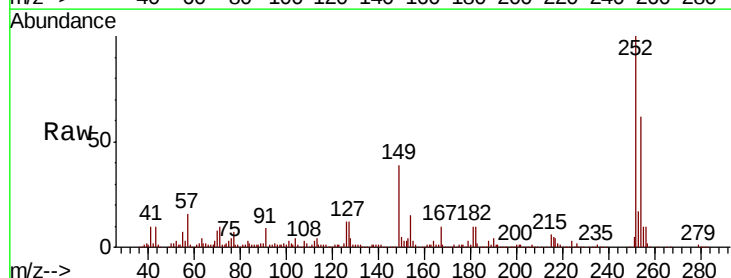
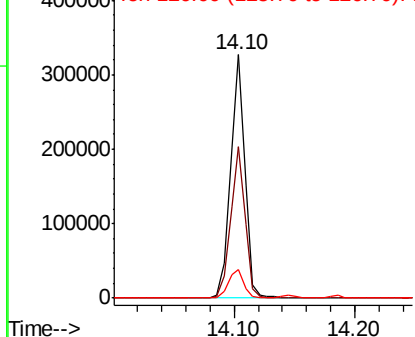
Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.4	51.3	76.9
126	11.9	9.4	14.2

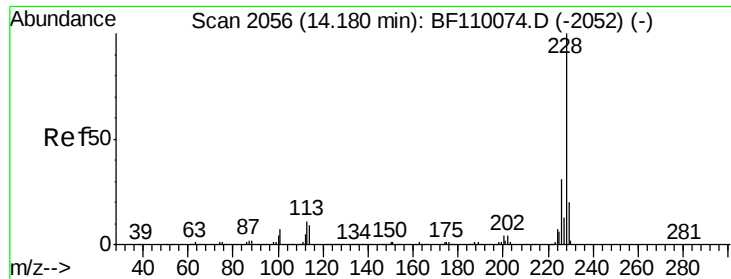
Abundance

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





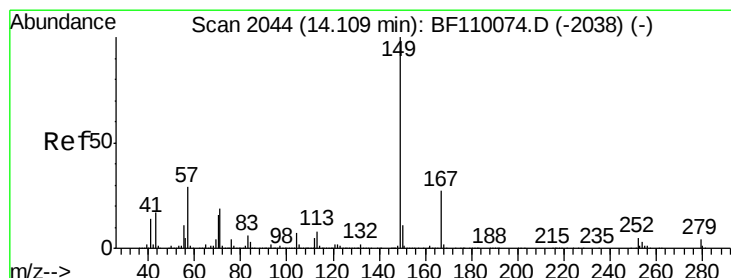
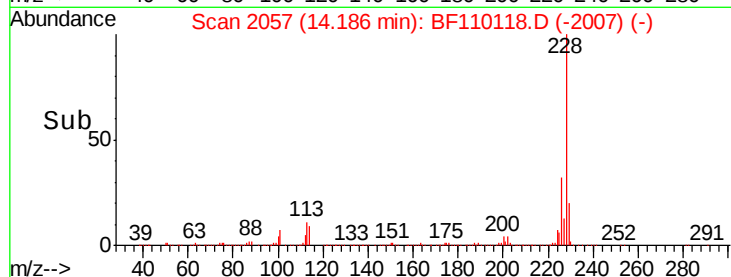
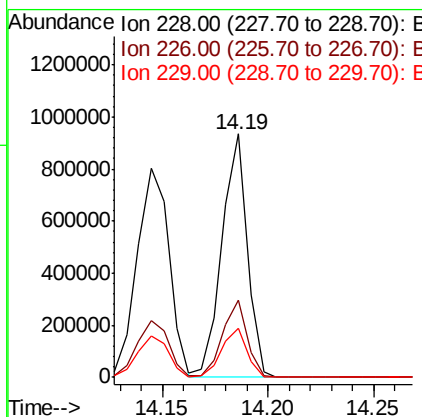
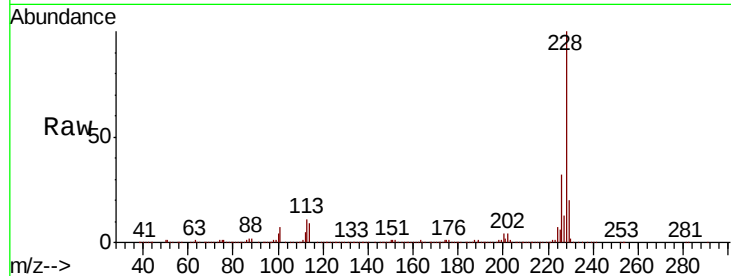
#83
 Chrvsene
 Concen: 47.139 ng
 RT: 14.19 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.7	37.1
229	20.1	15.9	23.9

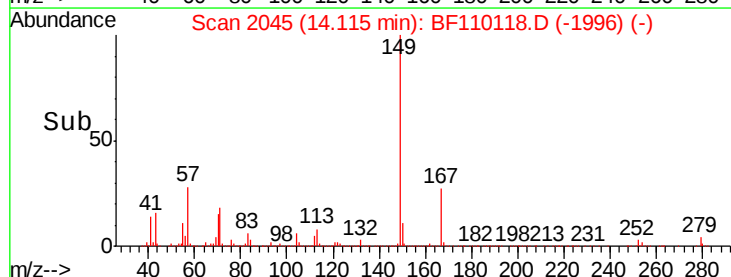
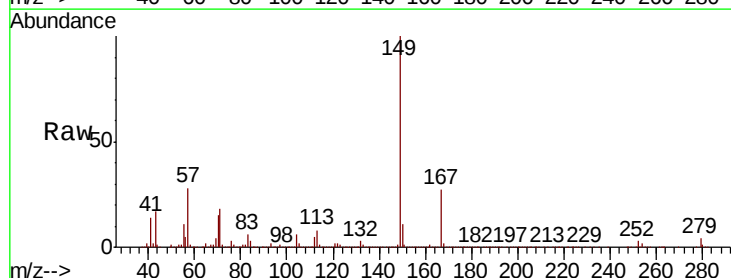
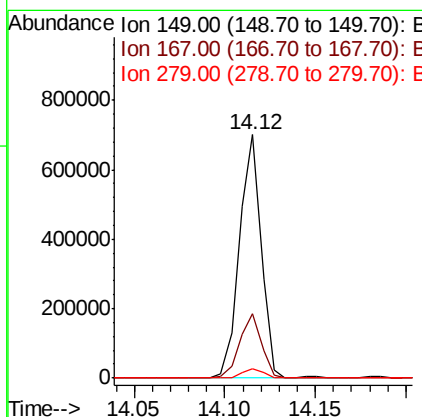
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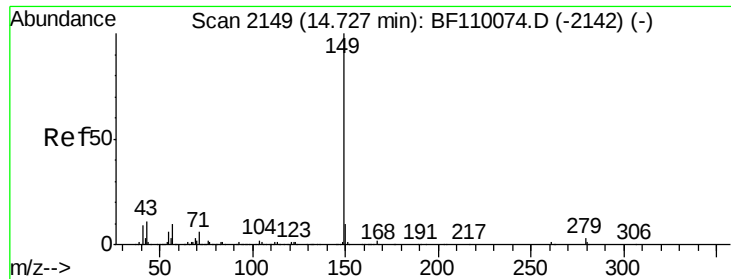
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.450 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF110118.D
 Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	19.8	29.8
279	3.6	2.7	4.1





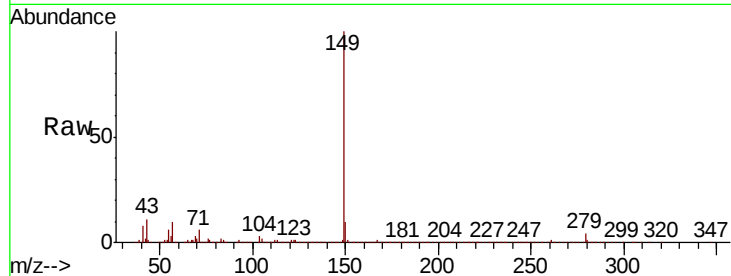
#85
Di-n-octyl phthalate
Concen: 53.850 ng
RT: 14.74 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

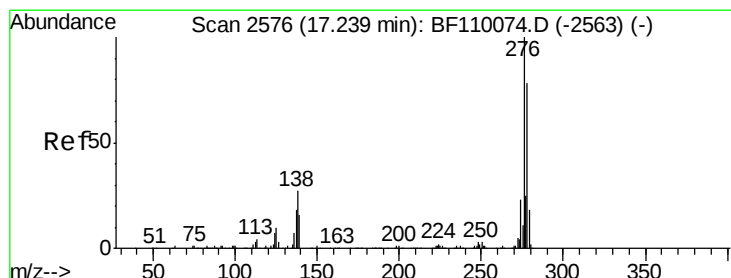
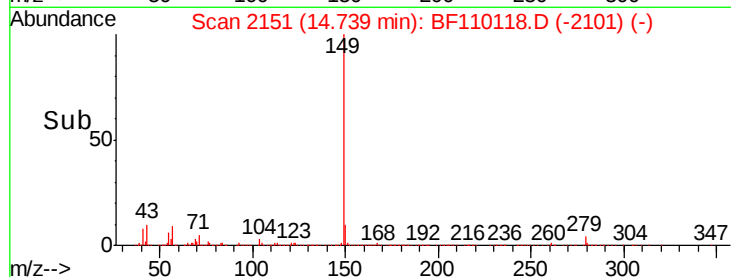
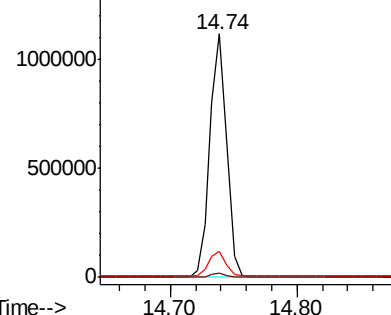
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.5	7.8	11.8

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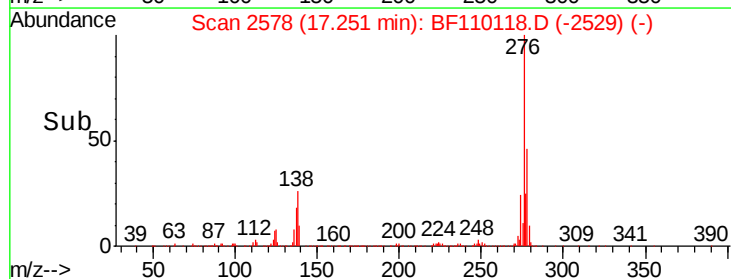
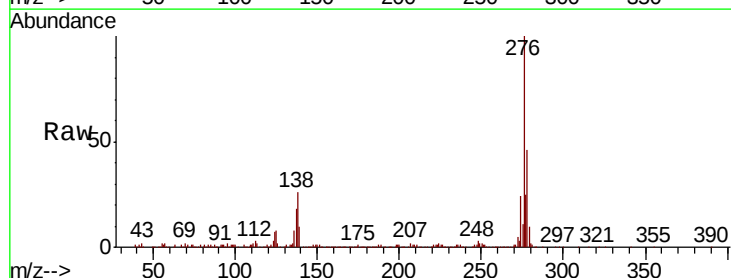
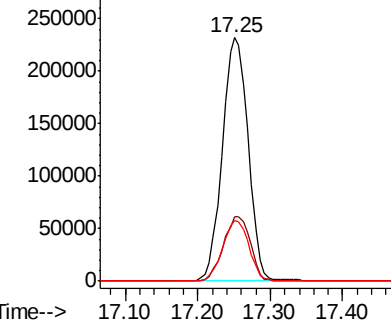
Abundance Ion 149.00 (148.70 to 149.70): E
1500000 Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

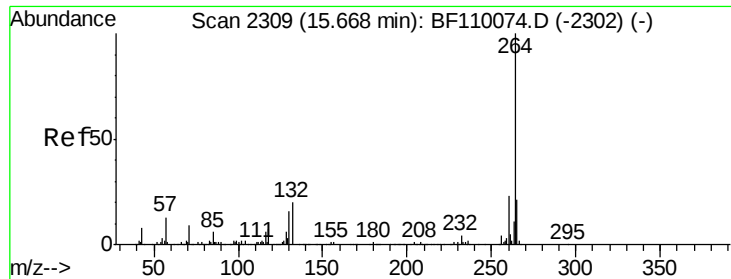


#86
Indeno(1,2,3-cd)pyrene
Concen: 41.976 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	18.5	27.7
277	25.7	20.0	30.0

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

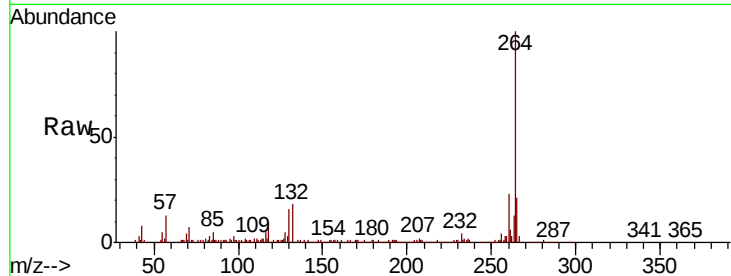
ClientSampleId :

RAV-GT104MS

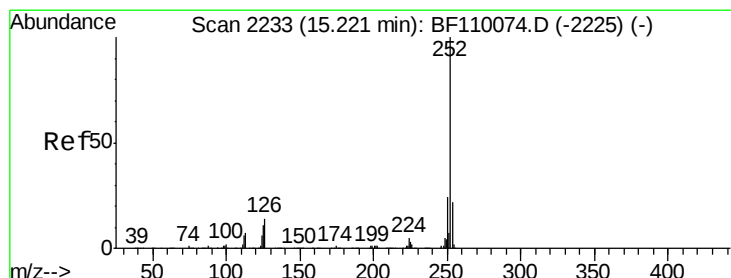
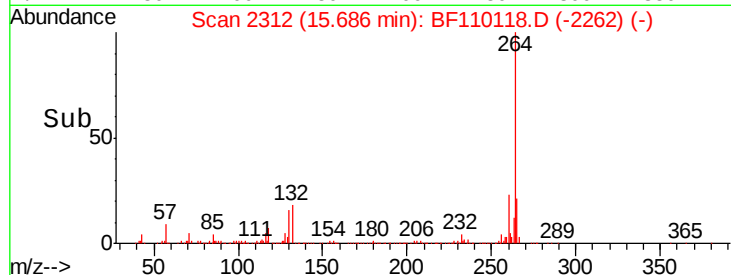
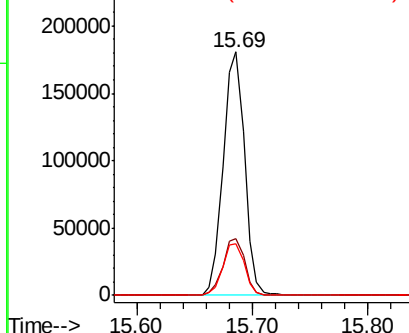
Tot Ion:	264	Resp:	232129
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.7	28.1
265	21.2	16.7	25.1

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



#88

Benzo(b)fluoranthene

Concen: 51.569 ng

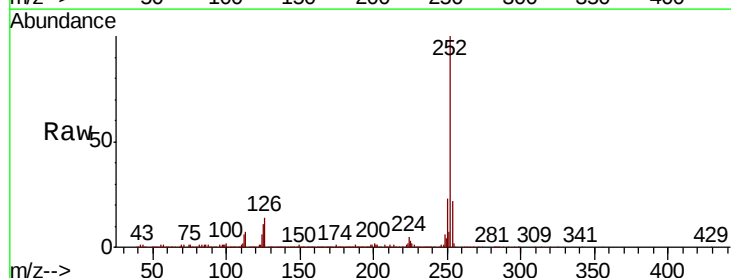
RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

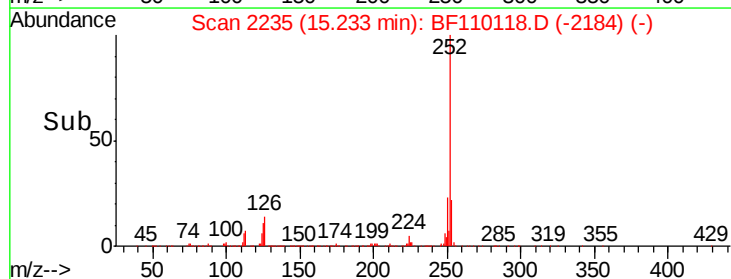
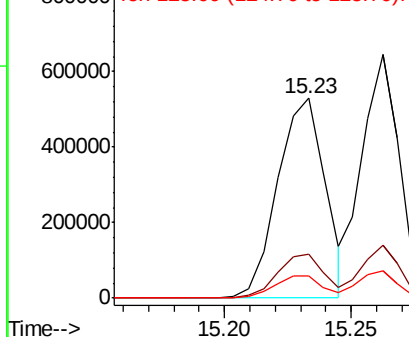
Lab File: BF110118.D

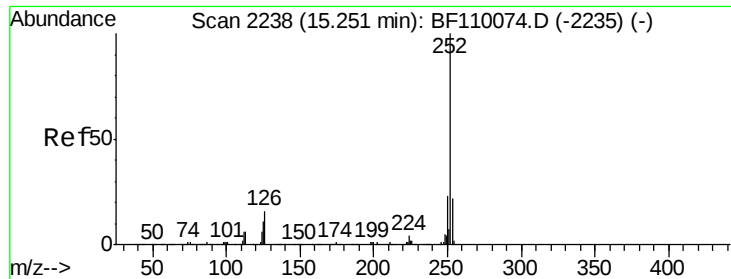
Acq: 24 Oct 2018 16:42

Tgt Ion:	252	Resp:	691267
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.2	25.8
125	11.0	8.2	12.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





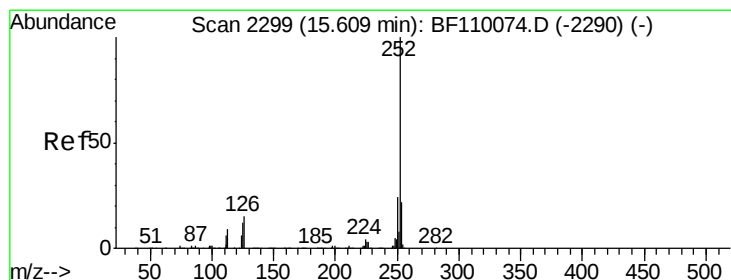
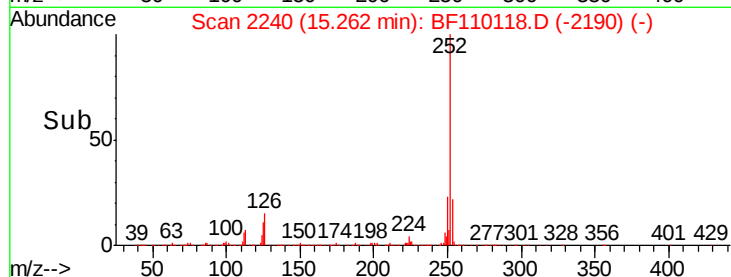
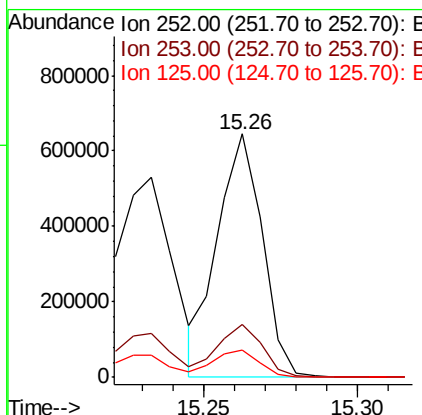
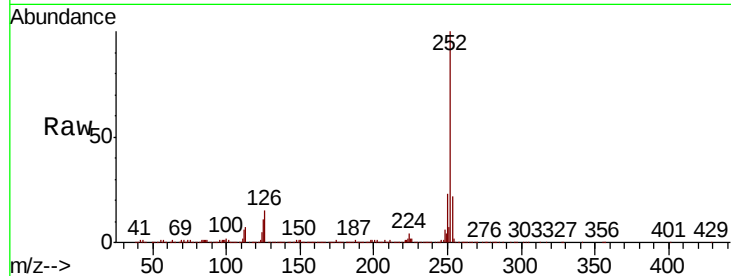
#89
Benzo(k)fluoranthene
Concen: 50.321 ng m
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.2	7.4	11.0

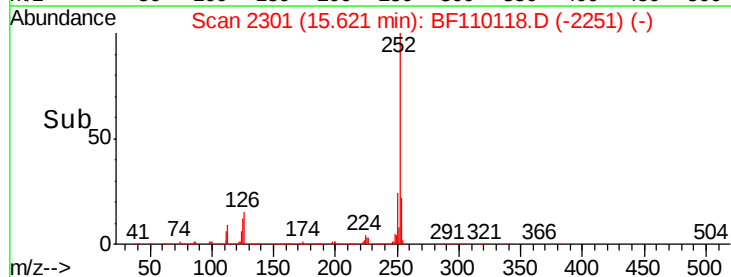
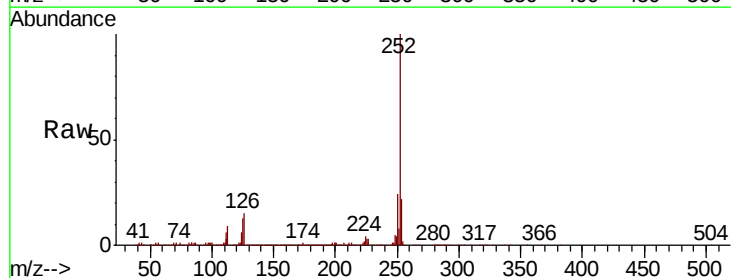
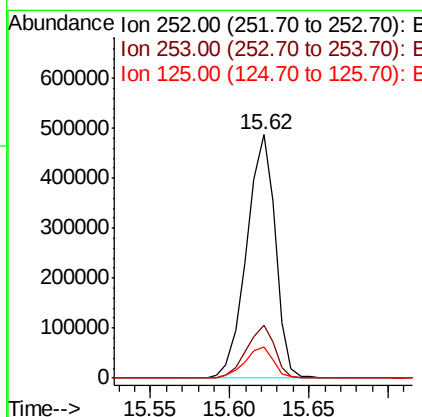
Manual Integrations
APPROVED

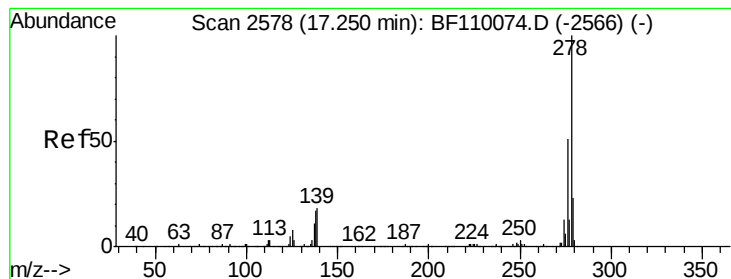
Sohil
10/25/2018 11:15:14 AM



#90
Benzo(a)pyrene
Concen: 49.570 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF110118.D
Acq: 24 Oct 2018 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	12.6	9.0	13.6





#91

Dibenzo(a,h)anthracene

Concen: 46.109 ng

RT: 17.27 min Scan# 2581

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MS

Tot Ion:278 Resp: 490732

Ion Ratio Lower Upper

278 100

139 16.5 12.7 19.1

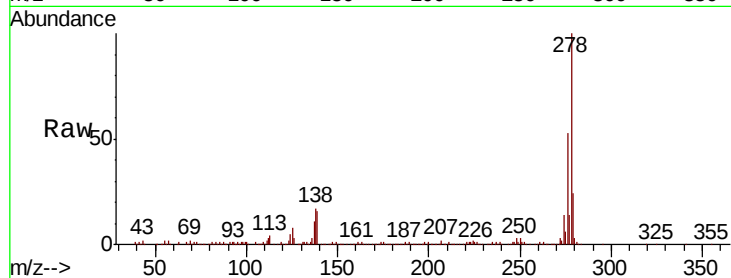
279 24.1 19.0 28.4

Manual Integrations

APPROVED

Sohil

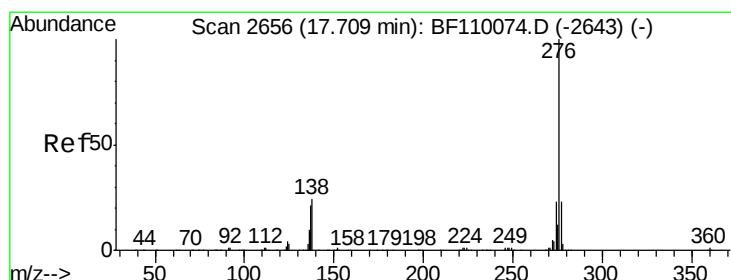
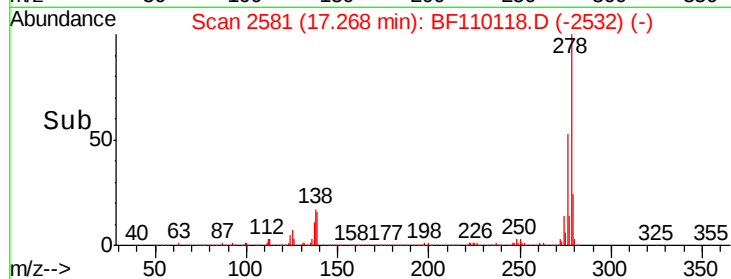
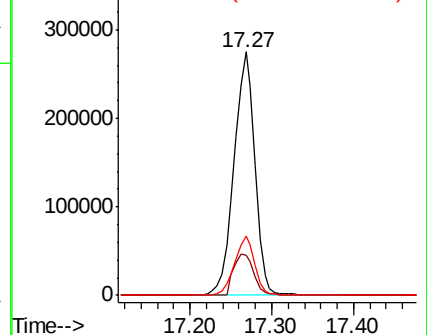
10/25/2018 11:15:14 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 44.420 ng

RT: 17.73 min Scan# 2660

Delta R.T. -0.01 min

Lab File: BF110118.D

Acq: 24 Oct 2018 16:42

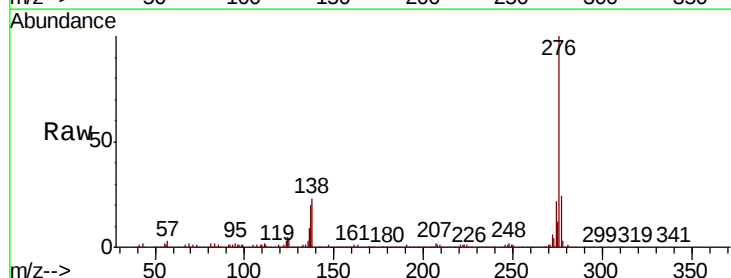
Tgt Ion:276 Resp: 465854

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 23.1 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

