

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121618\
 Data File : BF111517.D
 Acq On : 16 Dec 2018 19:20
 Operator : JU/SJ
 Sample : J6353-03MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

Quant Time: Dec 17 06:44:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	209895	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	844315	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	341941	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	368369	20.00	ng	0.00
76) Chrysene-d12	13.95	240	259984	20.00	ng	0.00
87) Perylene-d12	15.39	264	186095	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1111248	88.10	ng	0.00
7) Phenol-d6	6.44	99	1397662	83.30	ng	0.00
23) Nitrobenzene-d5	7.35	82	837320	59.06	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	157377	51.38	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1360456	61.46	ng	0.00
79) Terphenyl-d14	12.89	244	613496	55.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	101364	16.639	ng	97
3) Pyridine	3.26	79	275866	18.030	ng	95
4) n-Nitrosodimethylamine	3.19	42	140067	20.154	ng	84
6) Aniline	6.45	93	306179	14.712	ng	# 1
8) 2-Chlorophenol	6.58	128	417134	27.678	ng	97
9) Benzaldehyde	6.33	77	178602	17.550	ng	96
10) Phenol	6.45	94	647832	34.661	ng	94
11) bis(2-Chloroethyl)ether	6.52	93	399500	27.267	ng	97
12) 1,3-Dichlorobenzene	6.73	146	431434	26.006	ng	97
13) 1,4-Dichlorobenzene	6.81	146	431435	25.621	ng	96
14) 1,2-Dichlorobenzene	6.96	146	408760	25.803	ng	97
15) Benzyl Alcohol	6.93	79	334610	26.210	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	712545	24.908	ng	93
17) 2-Methylphenol	7.06	107	330207	27.224	ng	96
18) Hexachloroethane	7.30	117	135596	21.637	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	285812	25.820	ng	99
20) 3+4-Methylphenols	7.21	107	426144	28.009	ng	# 62
22) Acetophenone	7.20	105	588579	31.228	ng	# 84
24) Nitrobenzene	7.37	77	400629	27.699	ng	94
25) Isophorone	7.61	82	755609	31.496	ng	99
26) 2-Nitrophenol	7.69	139	147507	19.665	ng	97
27) 2,4-Dimethylphenol	7.73	122	357435	32.870	ng	99
28) bis(2-Chloroethoxy)methane	7.82	93	505788	30.540	ng	98
29) 2,4-Dichlorophenol	7.94	162	312244	26.898	ng	96
30) 1,2,4-Trichlorobenzene	8.02	180	318471	26.207	ng	99
31) Naphthalene	8.09	128	1199874	30.384	ng	96
32) Benzoic acid	7.73	122	357435	38.038	ng	# 15
33) 4-Chloroaniline	8.14	127	277853	15.823	ng	96
34) Hexachlorobutadiene	8.22	225	170889	25.525	ng	96
35) Caprolactam	8.49	113	109845	25.487	ng	94
36) 4-Chloro-3-methylphenol	8.63	107	319410	24.998	ng	99
37) 2-Methylnaphthalene	8.79	142	767150	28.708	ng	98
38) 1-Methylnaphthalene	8.89	142	708774	27.455	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.95	216	282595	30.136	ng	98

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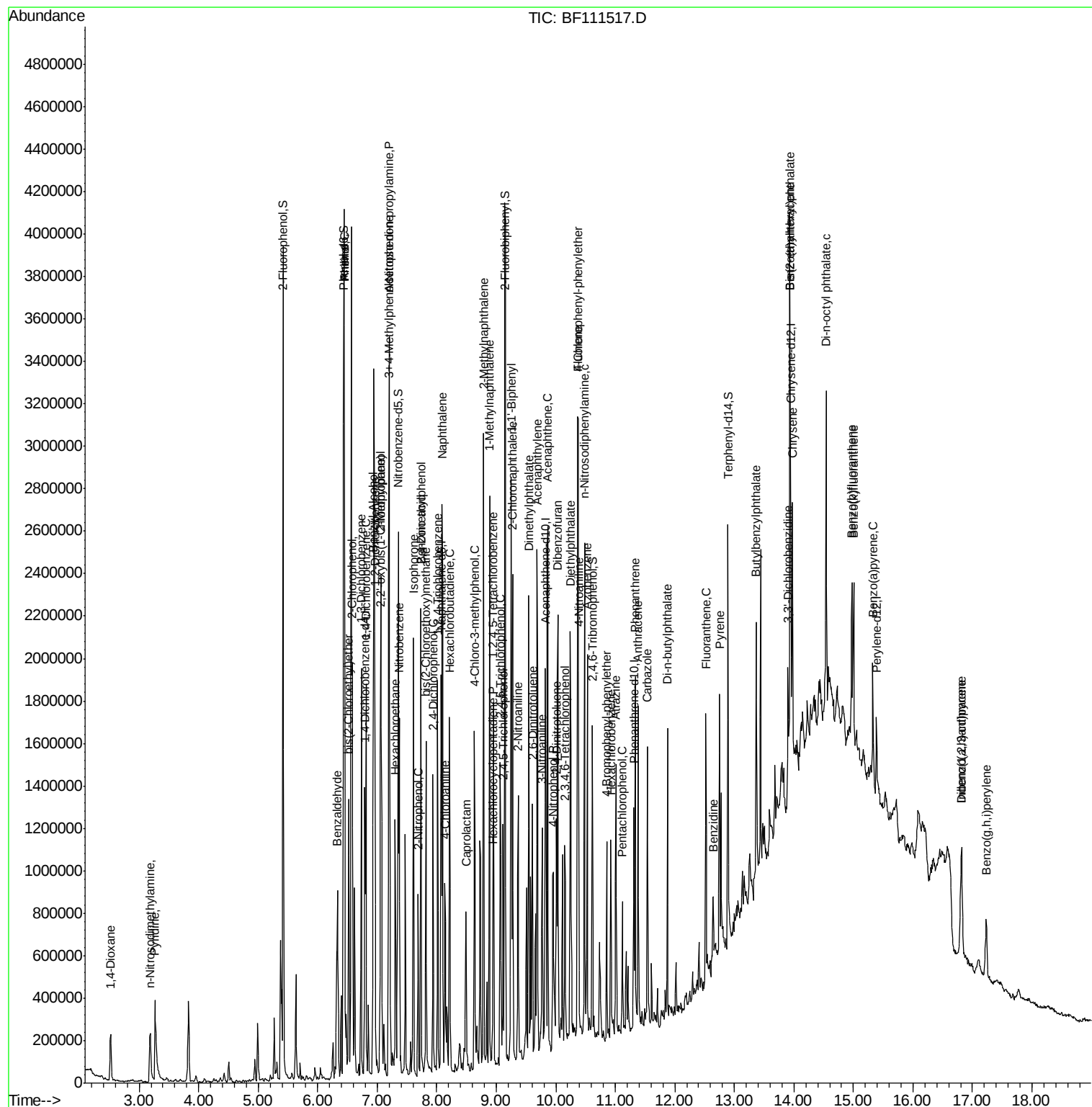
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.94	237	21841	4.536	ng	98
43) 2,4,6-Trichlorophenol	9.07	196	162713	24.516	ng	100
44) 2,4,5-Trichlorophenol	9.12	196	169045	23.935	ng	94
46) 1,1'-Biphenyl	9.25	154	845229	29.173	ng	94
47) 2-Chloronaphthalene	9.27	162	643383	29.214	ng	94
48) 2-Nitroaniline	9.37	65	200332	28.016	ng	88
49) Acenaphthylene	9.69	152	970160	29.678	ng	95
50) Dimethylphthalate	9.55	163	858541	34.863	ng	99
51) 2,6-Dinitrotoluene	9.61	165	149659	26.999	ng	93
52) Acenaphthene	9.86	154	550489	26.643	ng	98
53) 3-Nitroaniline	9.77	138	157131	23.338	ng	96
55) Dibenzofuran	10.03	168	811478	27.057	ng	93
56) 4-Nitrophenol	9.96	139	171379	36.781	ng	91
57) 2,4-Dinitrotoluene	10.01	165	175103	24.068	ng	96
58) Fluorene	10.37	166	596409	27.417	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.15	232	109464	19.837	ng	# 97
60) Diethylphthalate	10.25	149	692558	27.764	ng	96
61) 4-Chlorophenyl-phenylether	10.37	204	276185	25.950	ng	96
62) 4-Nitroaniline	10.39	138	155324	23.304	ng	92
63) Azobenzene	10.53	77	607814	24.716	ng	95
66) n-Nitrosodiphenylamine	10.48	169	534123	42.047	ng	97
67) 4-Bromophenyl-phenylether	10.86	248	109372	27.548	ng	96
68) Hexachlorobenzene	10.93	284	109846	26.897	ng	98
69) Atrazine	11.01	200	120646	32.863	ng	100
70) Pentachlorophenol	11.12	266	70696	28.223	ng	98
71) Phenanthrene	11.33	178	576499	30.372	ng	93
72) Anthracene	11.39	178	583085	30.037	ng	95
73) Carbazole	11.54	167	521973	26.003	ng	95
74) Di-n-butylphthalate	11.87	149	599300	26.807	ng	96
75) Fluoranthene	12.52	202	470883	25.358	ng	95
77) Benzidine	12.64	184	151213	15.822	ng	97
78) Pyrene	12.75	202	475823	25.959	ng	95
80) Butylbenzylphthalate	13.37	149	251453	28.144	ng	95
81) Benzo(a)anthracene	13.94	228	413402	29.244	ng	97
82) 3,3'-Dichlorobenzidine	13.90	252	123645	21.516	ng	98
83) Chrysene	13.97	228	418187	28.082	ng	96
84) Bis(2-ethylhexyl)phthalate	13.93	149	514410	45.078	ng	96
85) Di-n-octyl phthalate	14.54	149	631732	32.820	ng	# 86
86) Indeno(1,2,3-cd)pyrene	16.81	276	276561	25.732	ng	94
88) Benzo(b)fluoranthene	14.97	252	329874	30.404	ng	# 94
89) Benzo(k)fluoranthene	15.00	252	343454	33.130	ng	# 95
90) Benzo(a)pyrene	15.33	252	290377	29.679	ng	# 96
91) Dibenzo(a,h)anthracene	16.82	278	237908	30.826	ng	97
92) Benzo(g,h,i)perylene	17.23	276	225455	29.761	ng	93

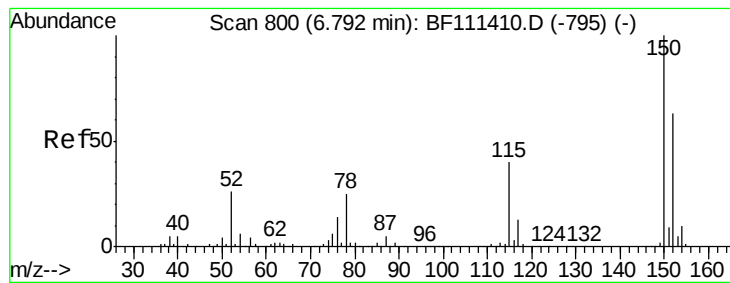
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

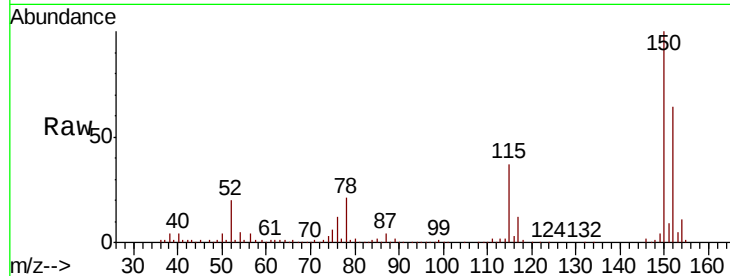
Tgt Ion:152 Resp: 209895

Ion Ratio Lower Upper

152 100

150 157.3 126.6 189.8

115 57.5 50.7 76.1

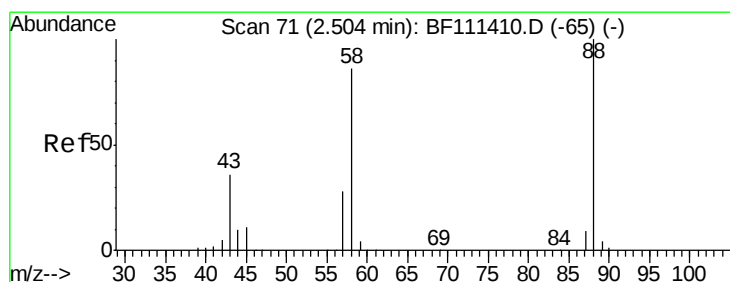
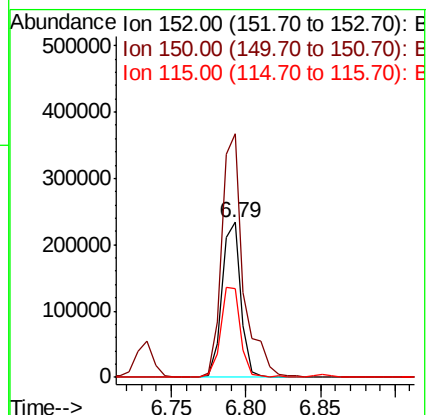
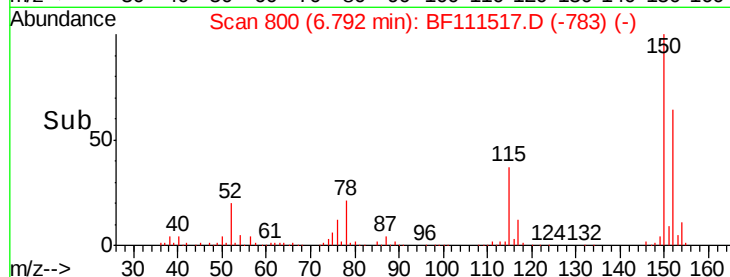


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 16.639 ng

RT: 2.52 min Scan# 74

Delta R.T. 0.02 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

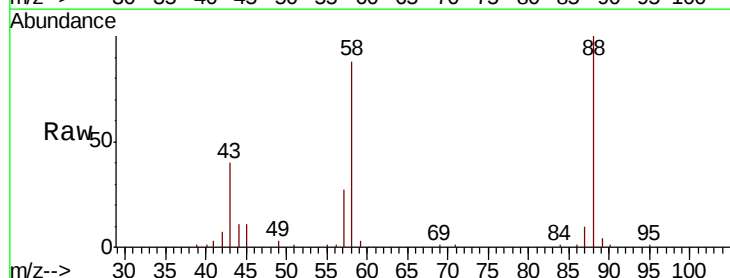
Tgt Ion: 88 Resp: 101364

Ion Ratio Lower Upper

88 100

58 86.5 68.9 103.3

43 38.6 25.8 38.6

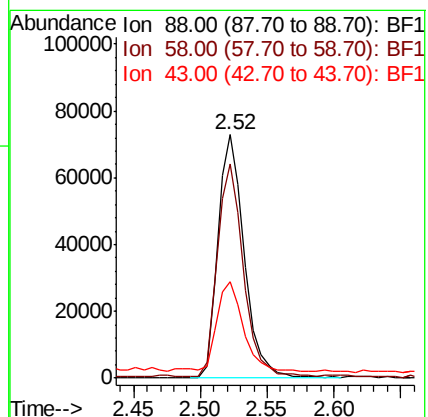
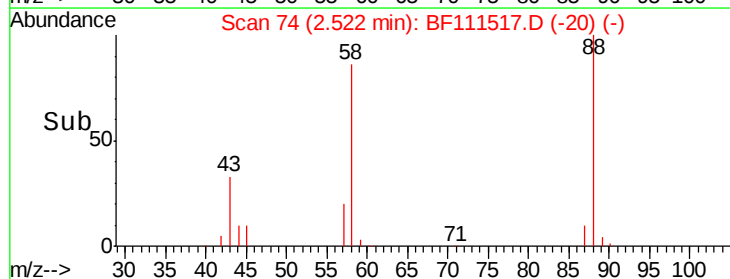


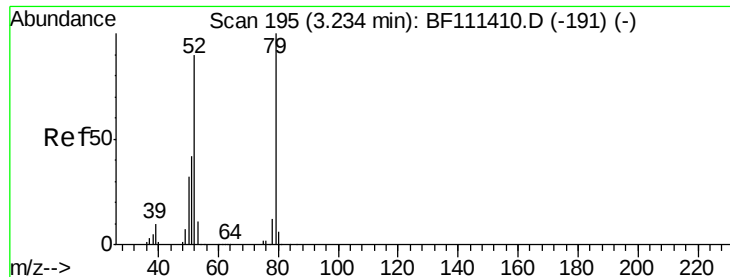
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 18.030 ng

RT: 3.26 min Scan# 200

Delta R.T. 0.03 min

Lab File: BF111517.D

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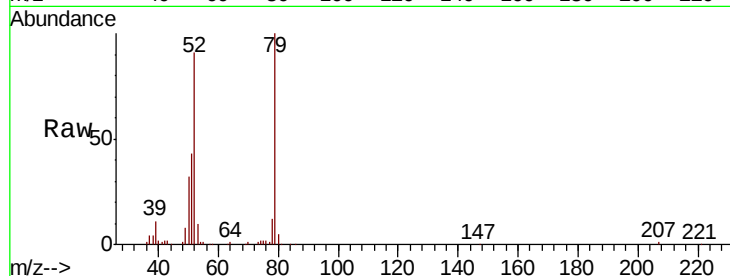
Tgt Ion: 79 Resp: 275866

Ion Ratio Lower Upper

79 100

52 91.1 68.3 102.5

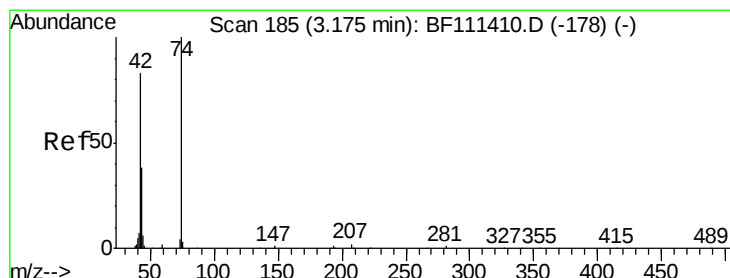
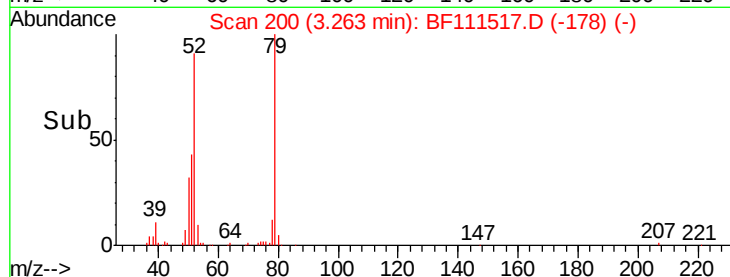
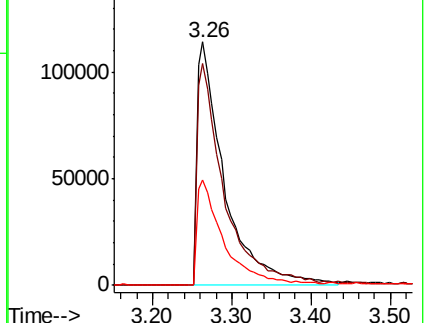
51 43.2 32.6 49.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 20.154 ng

RT: 3.19 min Scan# 187

Delta R.T. 0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

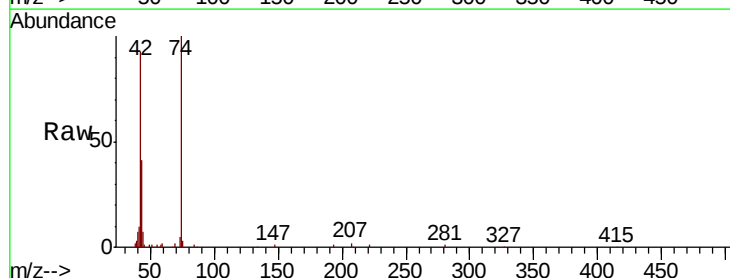
Tgt Ion: 42 Resp: 140067

Ion Ratio Lower Upper

42 100

74 107.9 101.5 152.3

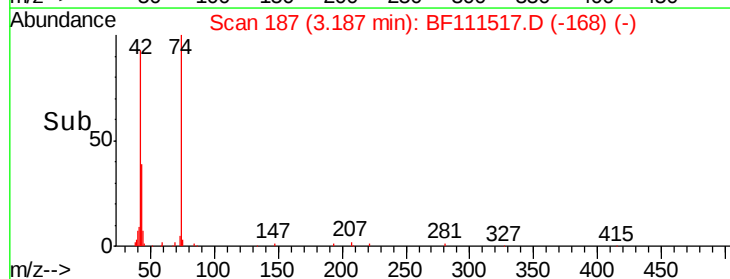
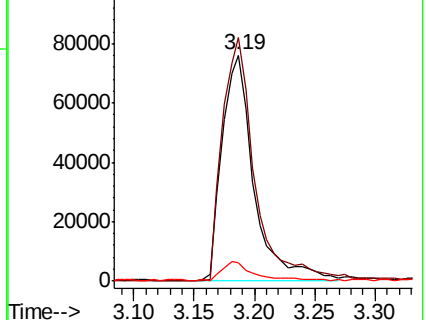
44 8.0 6.0 9.0

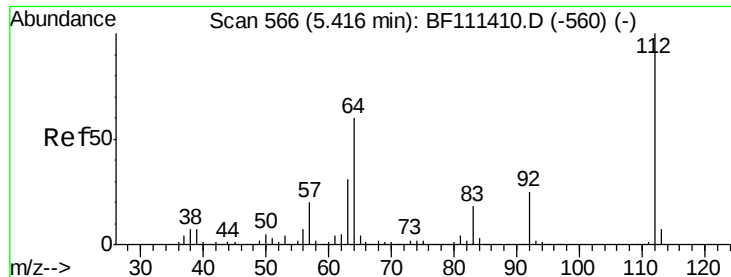


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 88.100 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

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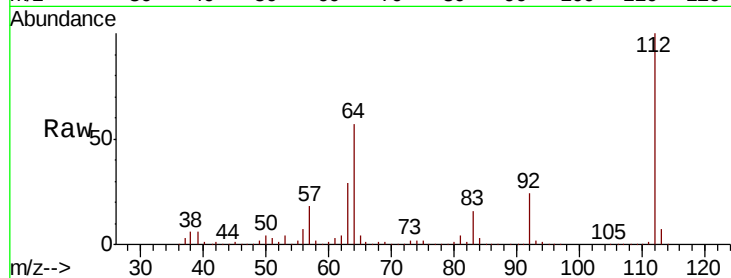
Tgt Ion: 112 Resp: 1111248

Ion Ratio Lower Upper

112 100

64 57.1 51.8 77.6

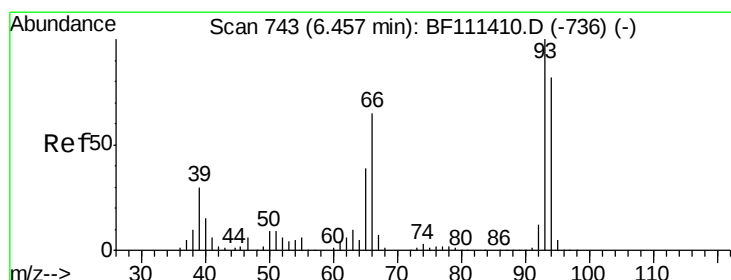
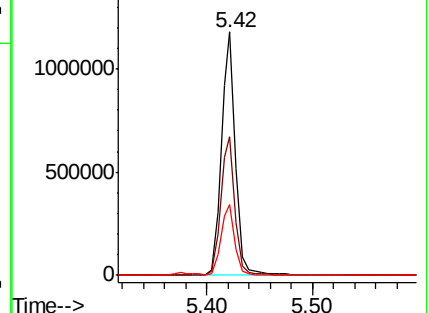
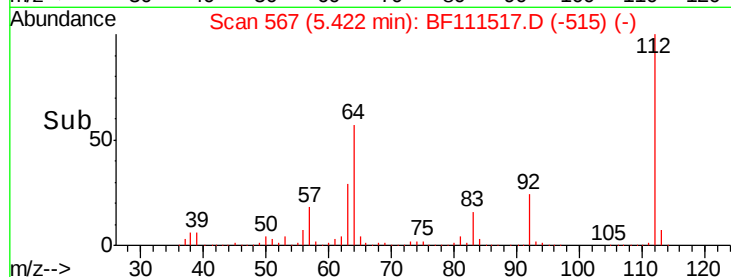
63 29.0 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 14.712 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF111517.D

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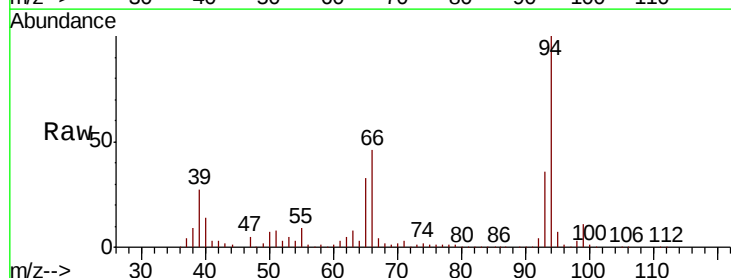
Tgt Ion: 93 Resp: 306179

Ion Ratio Lower Upper

93 100

66 128.8 33.2 49.8#

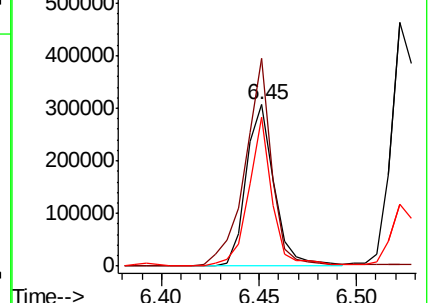
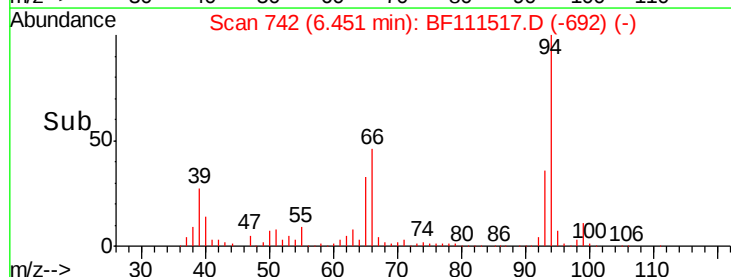
65 92.6 17.0 25.4#

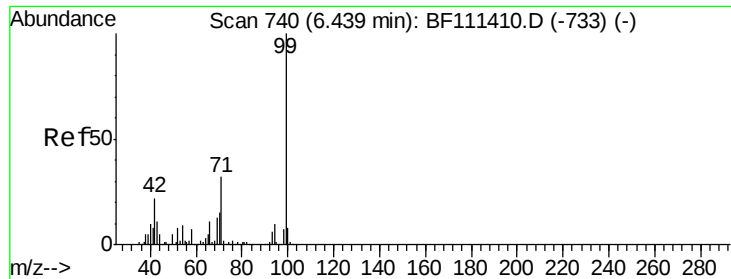


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 83.303 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

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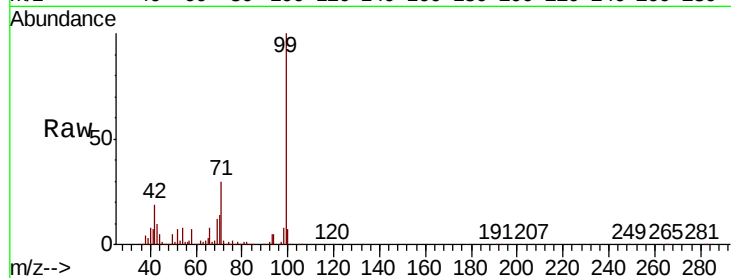
Tgt Ion: 99 Resp: 1397662

Ion Ratio Lower Upper

99 100

42 19.1 17.4 26.0

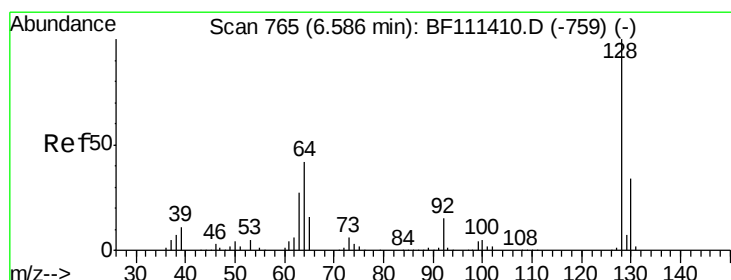
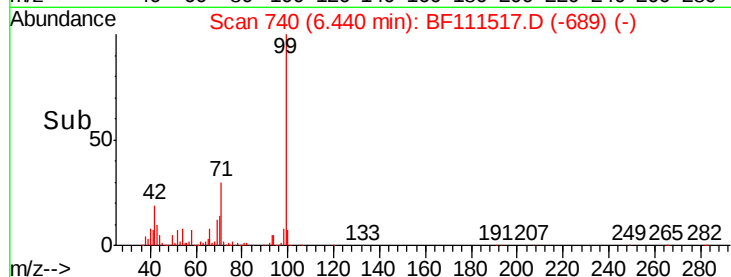
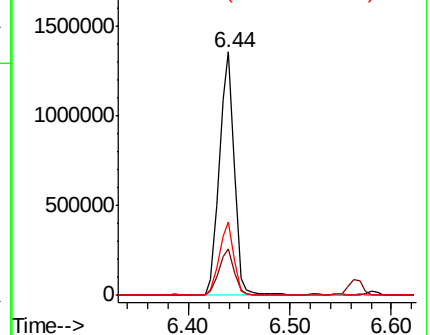
71 30.1 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 27.678 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

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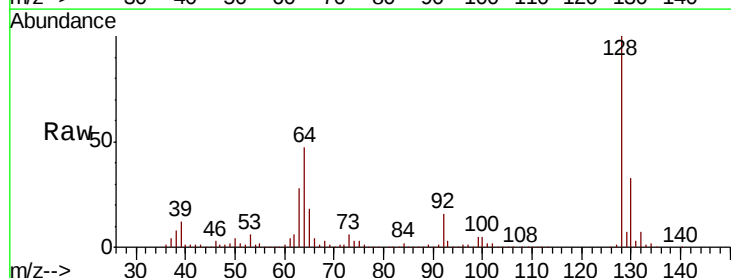
Tgt Ion: 128 Resp: 417134

Ion Ratio Lower Upper

128 100

130 32.8 12.7 52.7

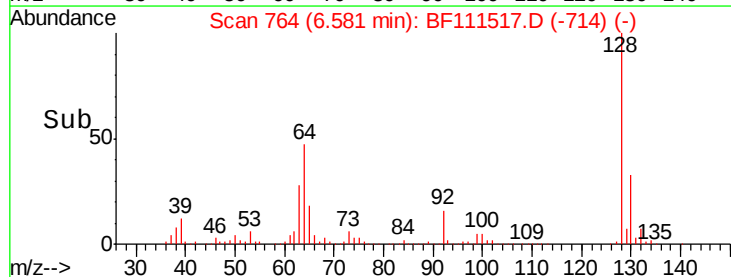
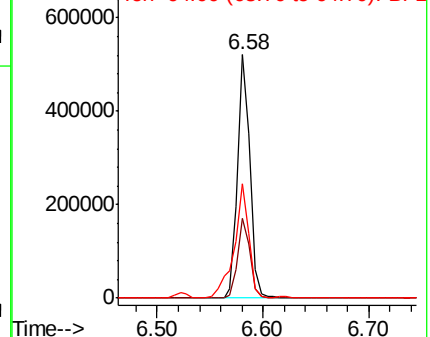
64 46.9 30.0 70.0

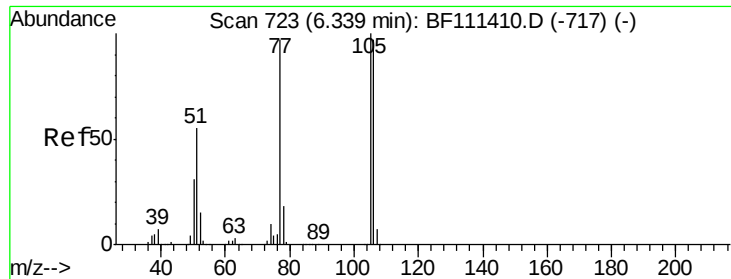


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 17.550 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

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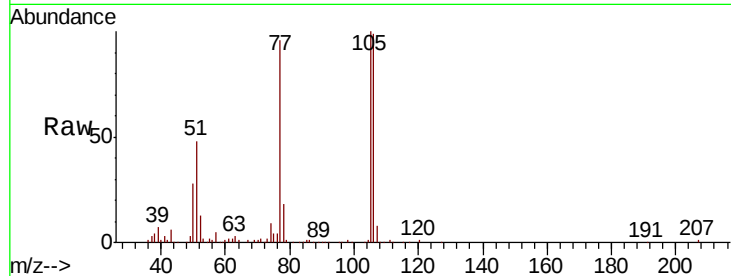
Tgt Ion: 77 Resp: 178602

Ion Ratio Lower Upper

77 100

105 104.1 81.4 121.4

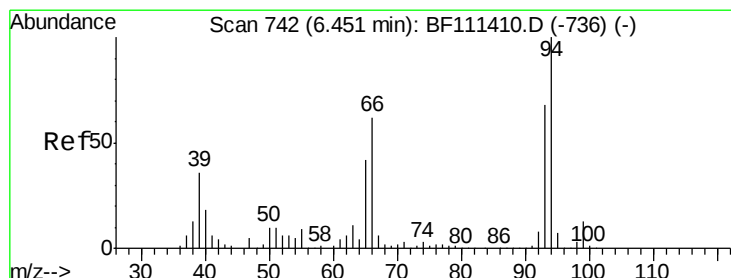
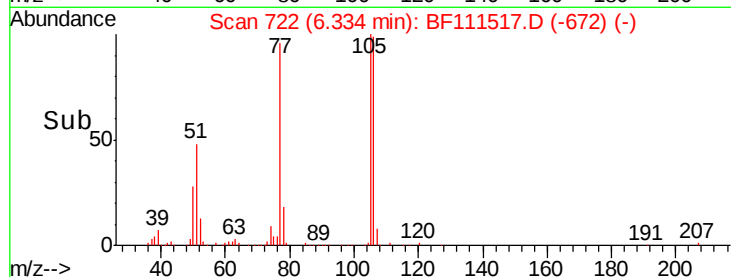
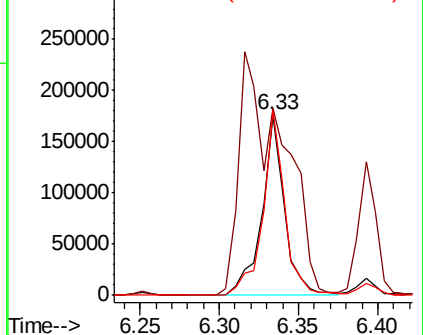
106 102.6 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 34.661 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

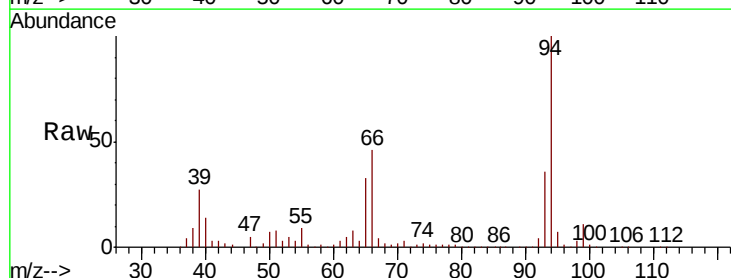
Tgt Ion: 94 Resp: 647832

Ion Ratio Lower Upper

94 100

65 33.3 11.7 51.7

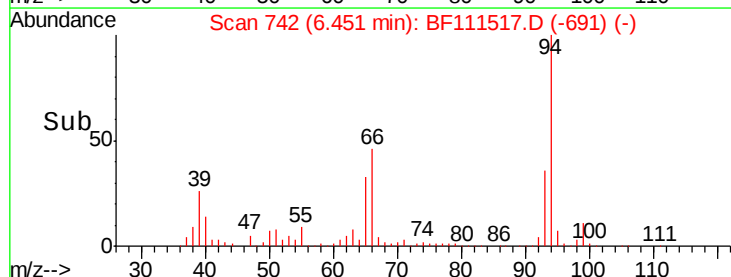
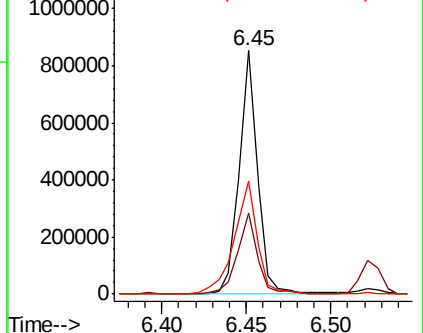
66 46.3 21.0 61.0

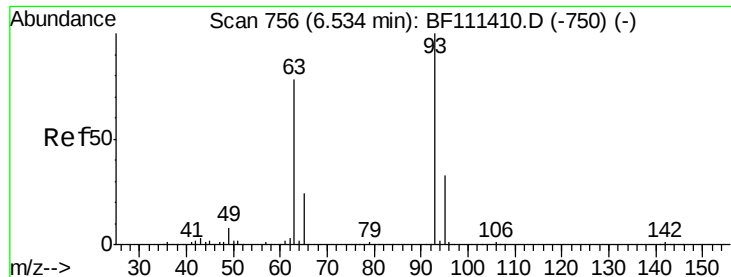


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

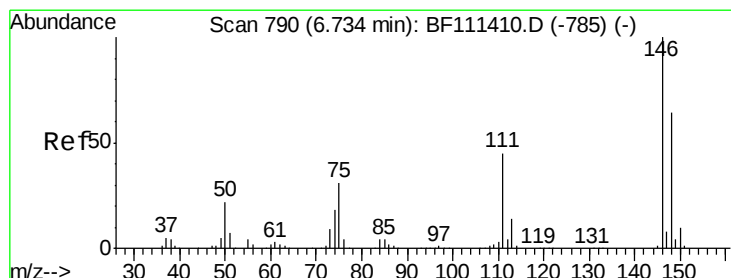
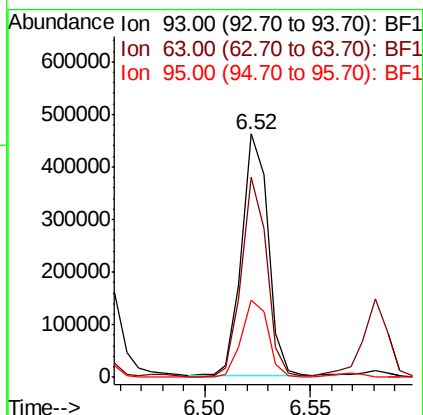
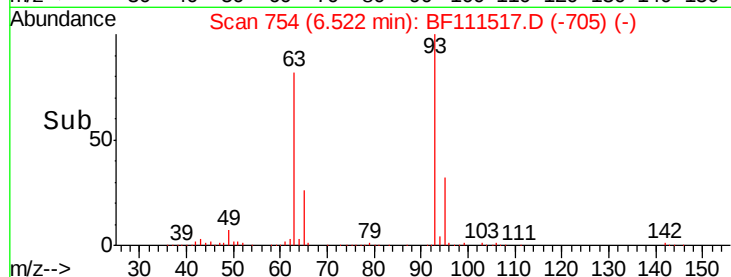
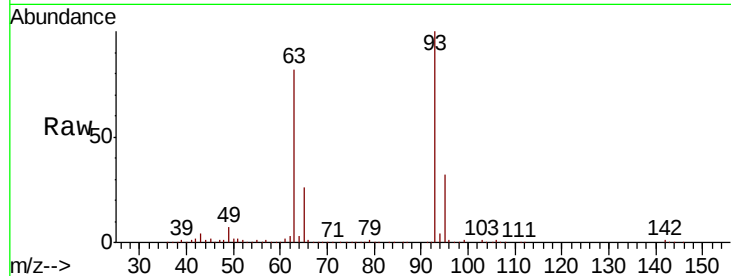




#11
bis(2-Chloroethyl)ether
Concen: 27.267 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

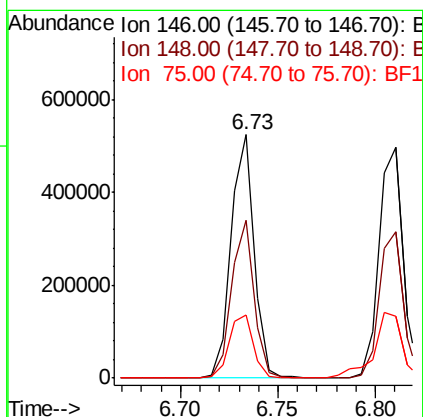
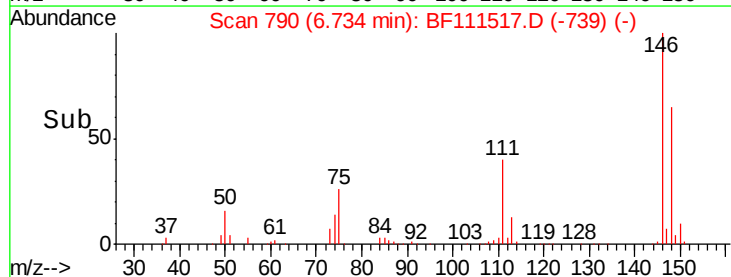
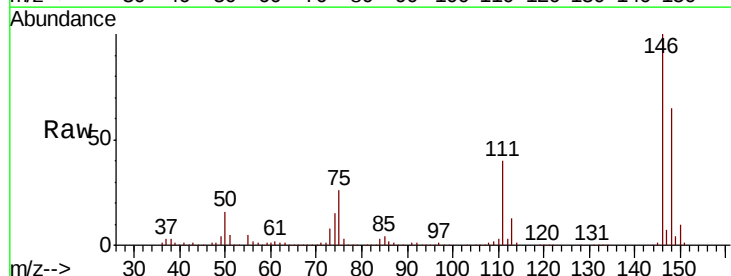
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

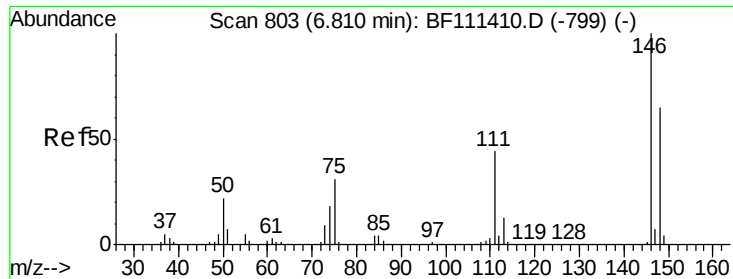
Tgt Ion:	93	Resp:	399500
Ion	Ratio	Lower	Upper
93	100		
63	82.2	60.0	100.0
95	31.9	13.4	53.4



#12
1,3-Dichlorobenzene
Concen: 26.006 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:	146	Resp:	431434
Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.1	78.1
75	26.2	23.9	35.9

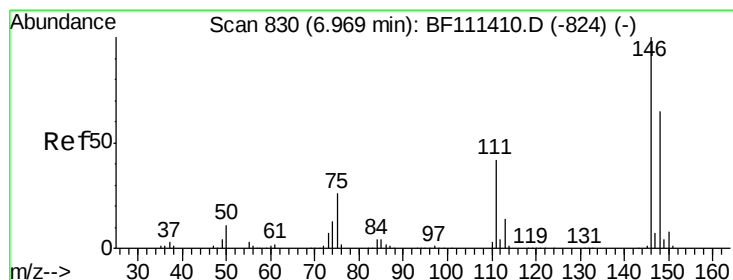
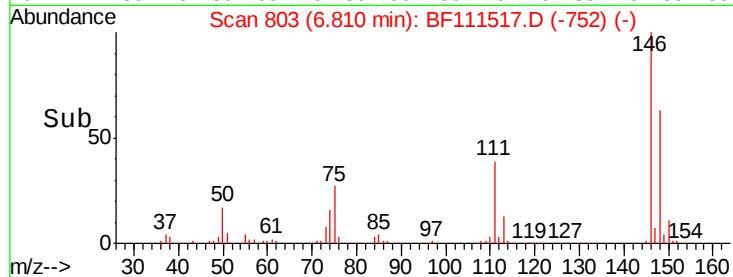
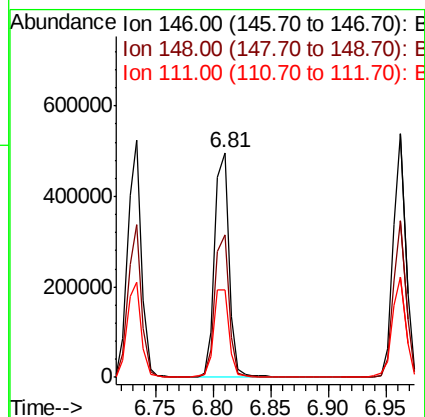
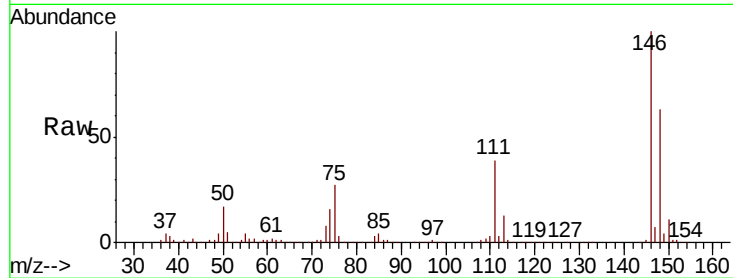




#13
 1,4-Dichlorobenzene
 Concen: 25.621 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

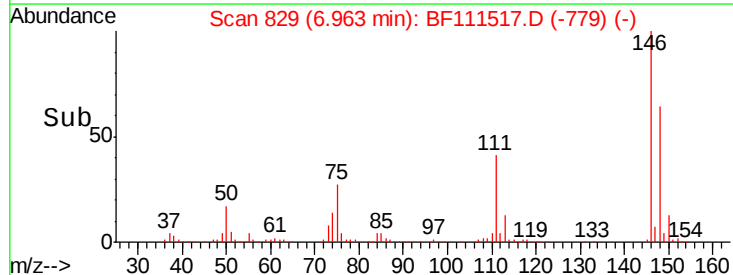
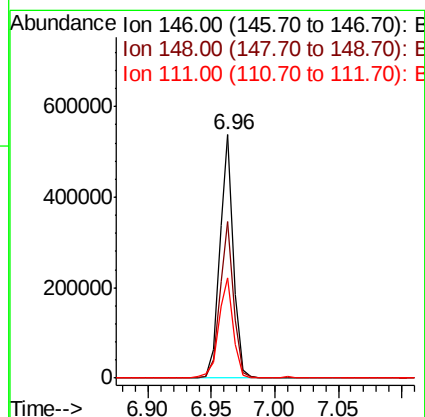
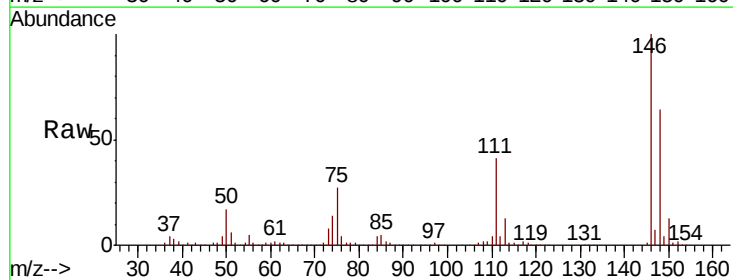
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

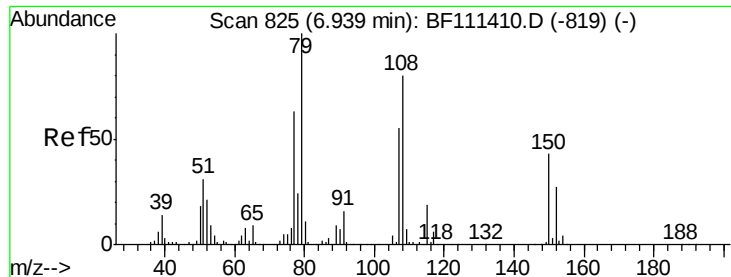
Tgt Ion:146 Resp: 431435
 Ion Ratio Lower Upper
 146 100
 148 63.4 52.8 79.2
 111 39.1 33.4 50.0



#14
 1,2-Dichlorobenzene
 Concen: 25.803 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion:146 Resp: 408760
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.9 77.9
 111 41.0 36.2 54.4





#15

Benzyl Alcohol

Concen: 26.210 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

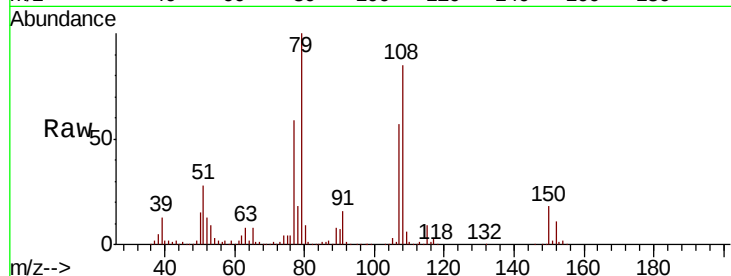
Tgt Ion: 79 Resp: 334610

Ion Ratio Lower Upper

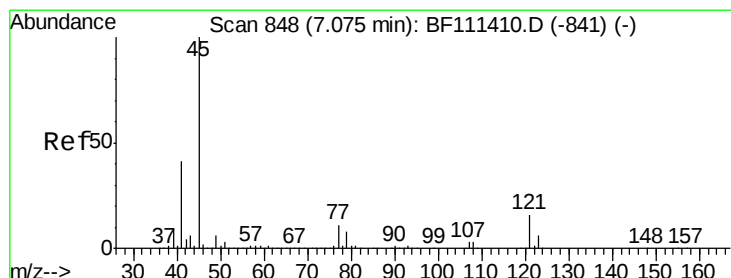
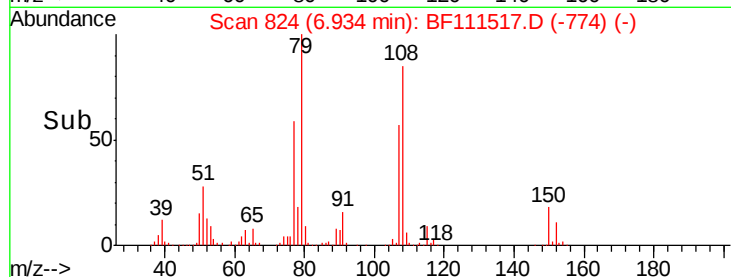
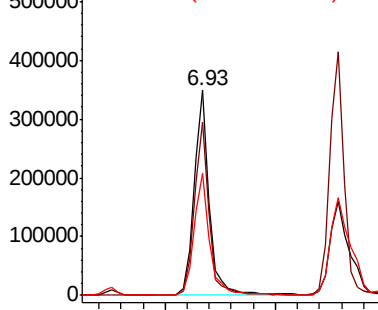
79 100

108 84.7 69.4 104.2

77 59.3 49.7 74.5



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 24.908 ng

RT: 7.07 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

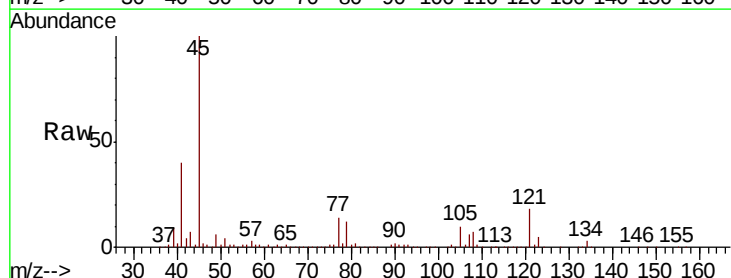
Tgt Ion: 45 Resp: 712545

Ion Ratio Lower Upper

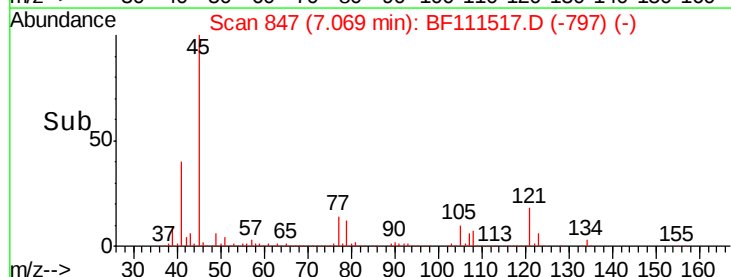
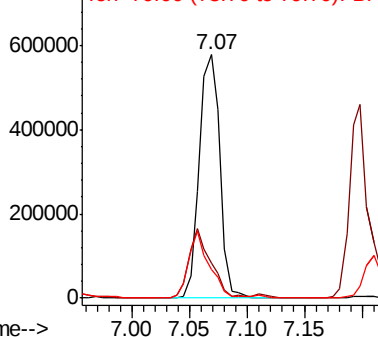
45 100

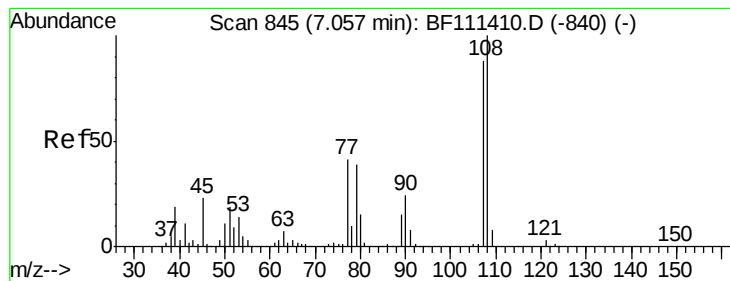
77 14.1 0.0 31.5

79 11.6 0.0 28.9



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 27.224 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

Tgt Ion:107 Resp: 330207

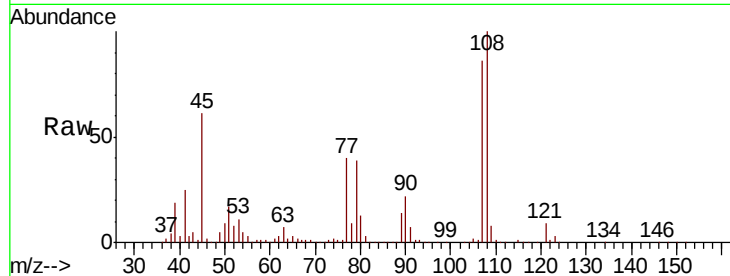
Ion Ratio Lower Upper

107 100

108 116.0 91.0 136.4

77 46.4 33.5 50.3

79 44.8 33.3 49.9

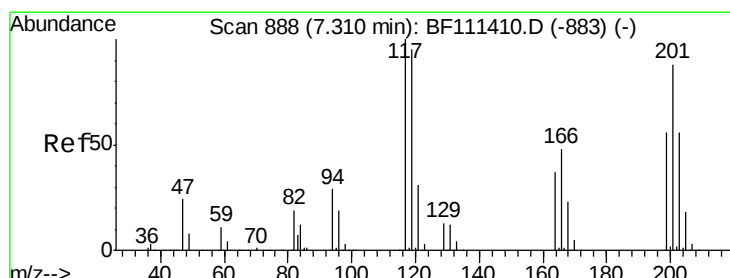
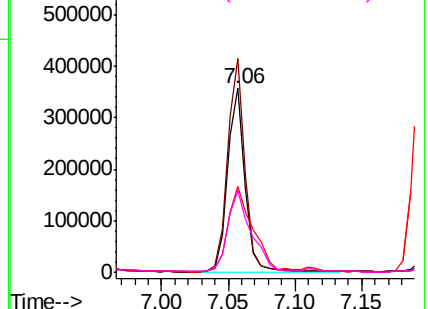
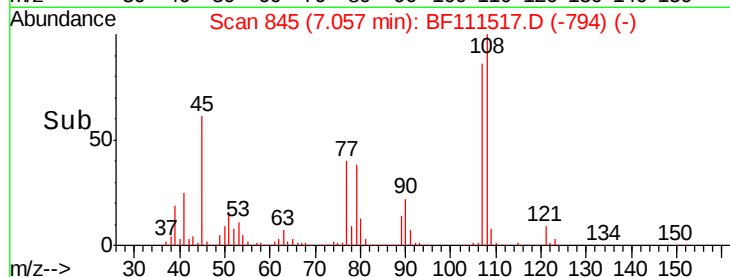


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 21.637 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

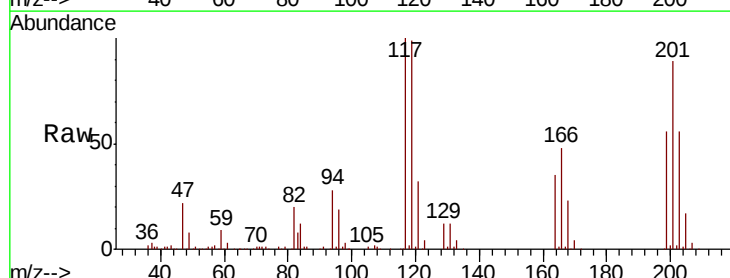
Tgt Ion:117 Resp: 135596

Ion Ratio Lower Upper

117 100

119 98.5 75.4 113.0

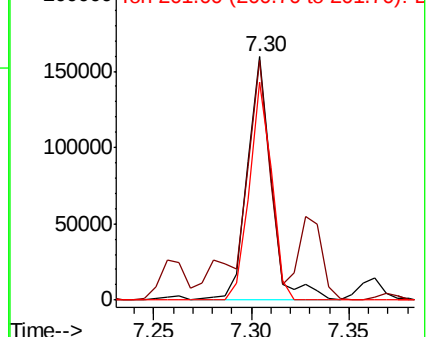
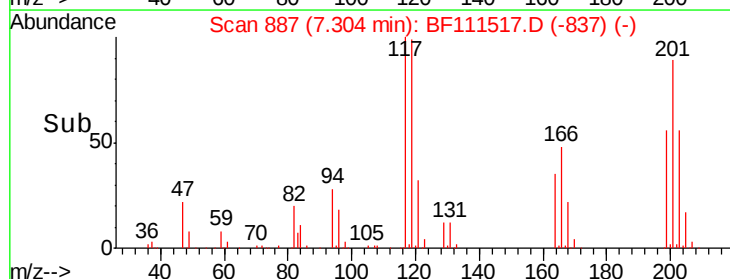
201 89.4 62.4 93.6

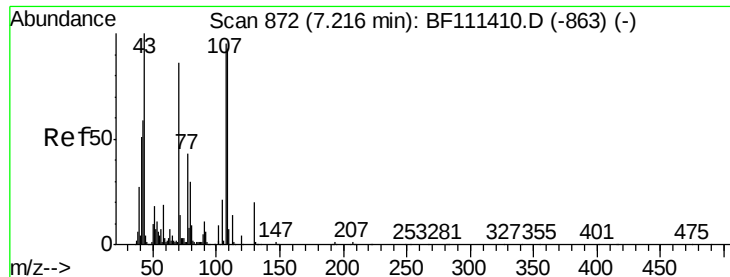


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

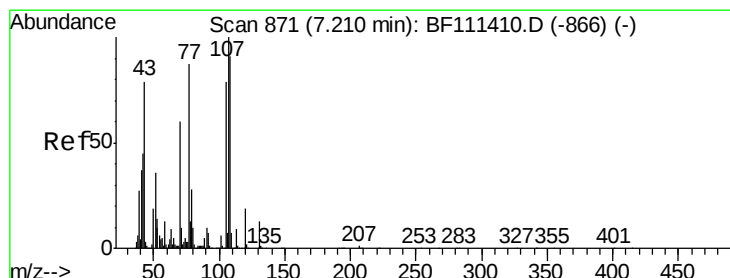
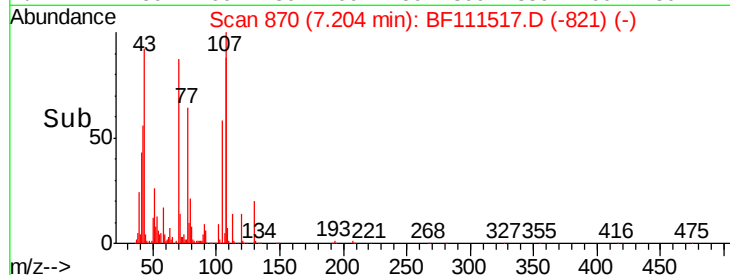
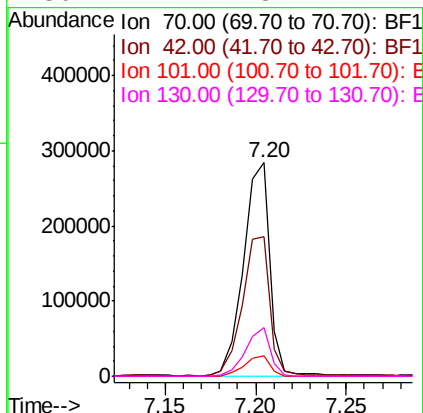
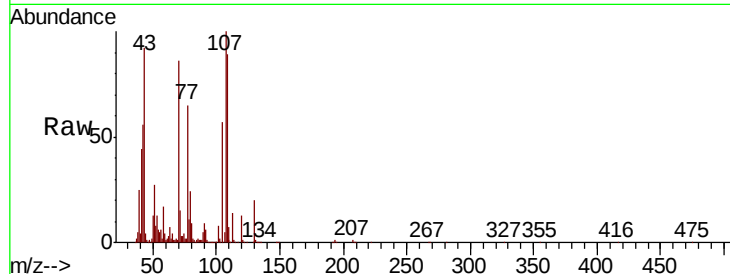




#19
n-Nitroso-di-n-propylamine
Concen: 25.820 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

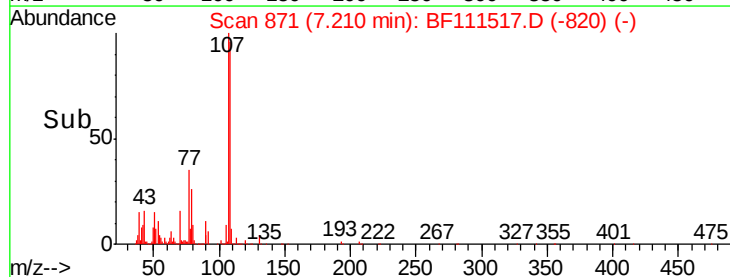
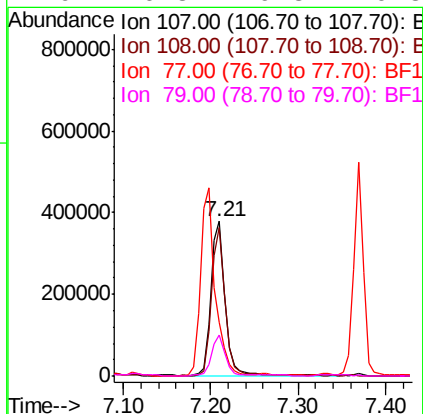
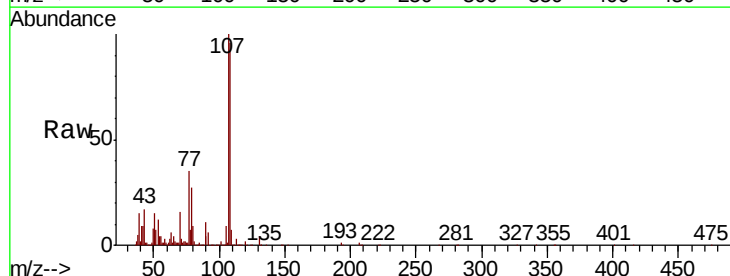
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

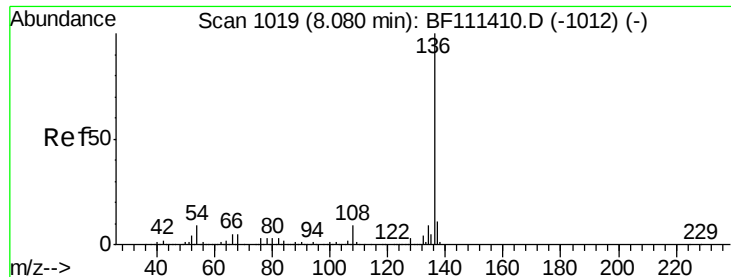
Tgt Ion:	70	Resp:	285812
Ion	Ratio	Lower	Upper
70	100		
42	65.1	53.2	79.8
101	9.8	8.2	12.4
130	22.7	18.1	27.1



#20
3+4-Methylphenols
Concen: 28.009 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:	107	Resp:	426144
Ion	Ratio	Lower	Upper
107	100		
108	95.9	72.1	112.1
77	34.9	94.1	134.1#
79	26.8	9.8	49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

Tgt Ion:136 Resp: 844315

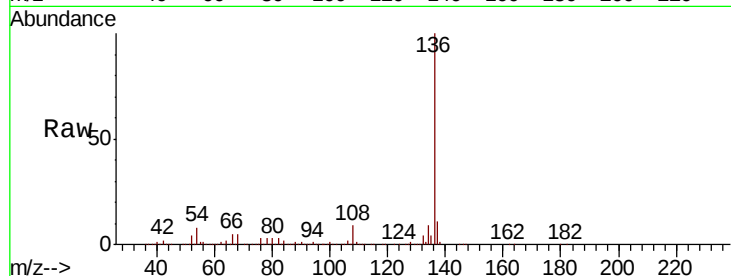
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.4 7.7 11.5

68 5.4 4.9 7.3

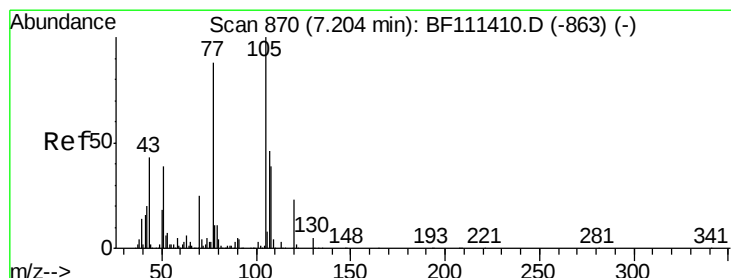
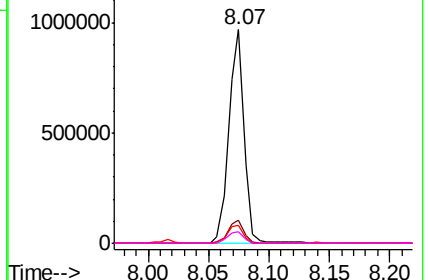
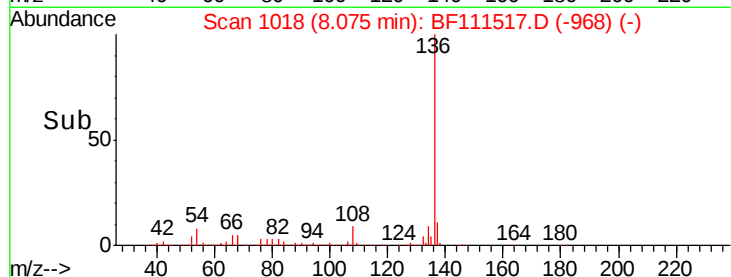


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 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: 31.228 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Tgt Ion:105 Resp: 588579

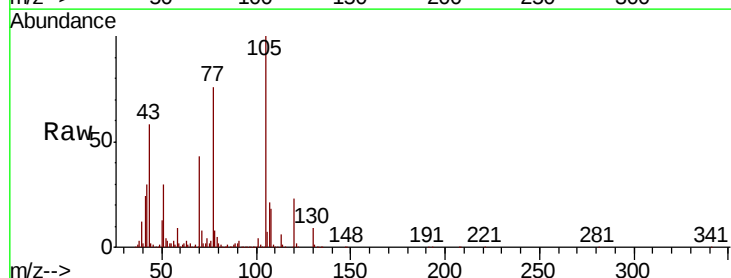
Ion Ratio Lower Upper

105 100

71 7.7 3.1 4.7#

51 30.1 36.6 54.8#

120 23.1 18.2 27.4

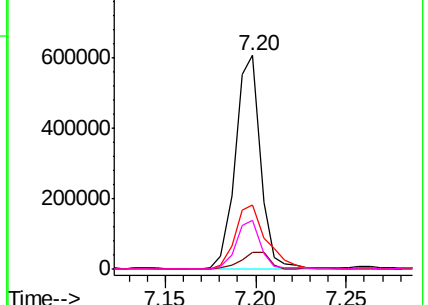
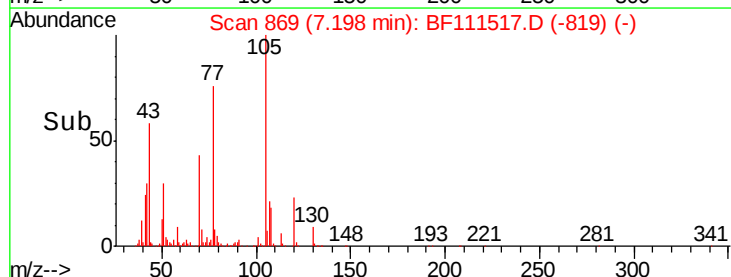


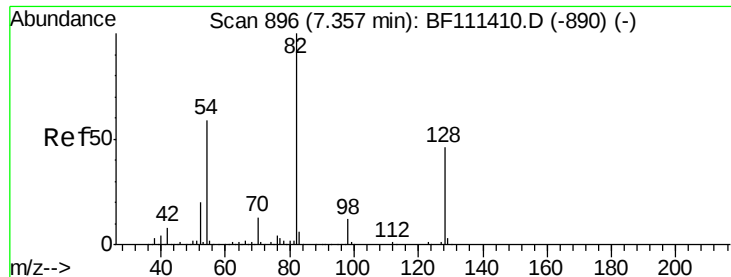
Abundance Ion 105.00 (104.70 to 105.70): E

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

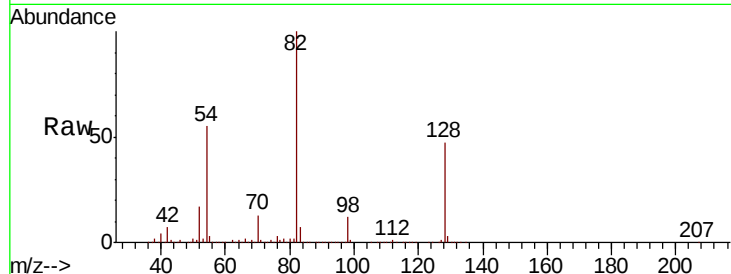




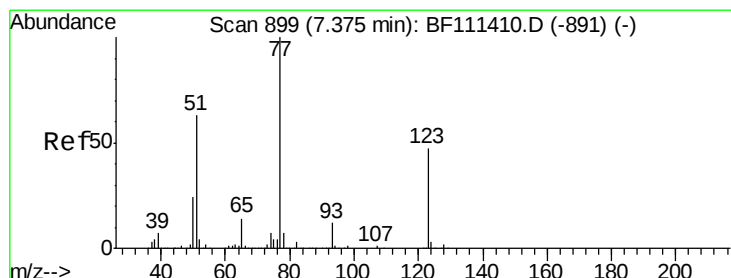
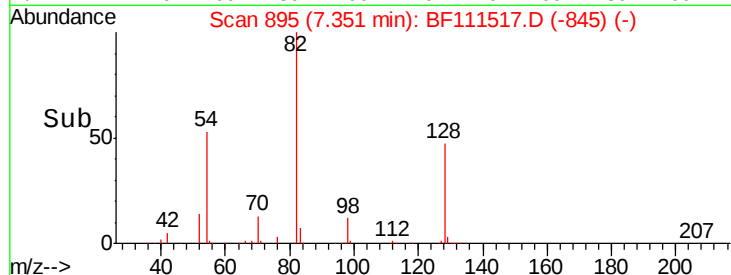
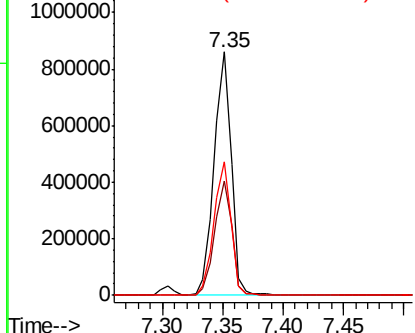
#23
 Nitrobenzene-d5
 Concen: 59.055 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

Tgt Ion: 82 Resp: 837320
 Ion Ratio Lower Upper
 82 100
 128 47.0 37.4 56.2
 54 54.7 47.6 71.4

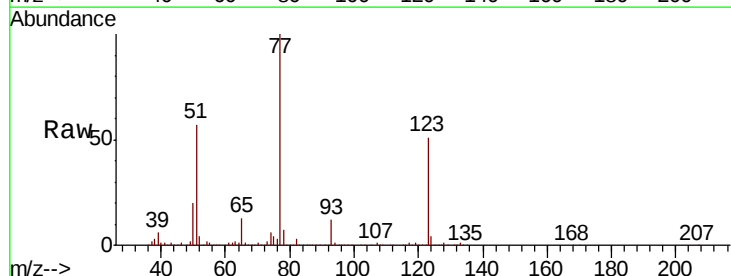


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

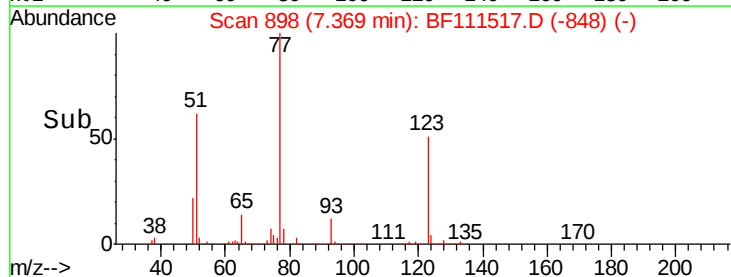
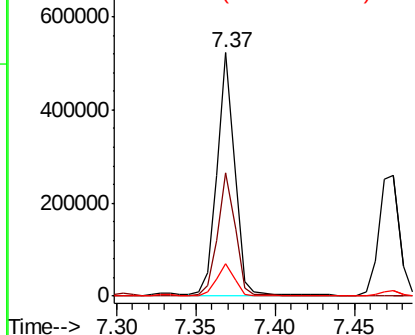


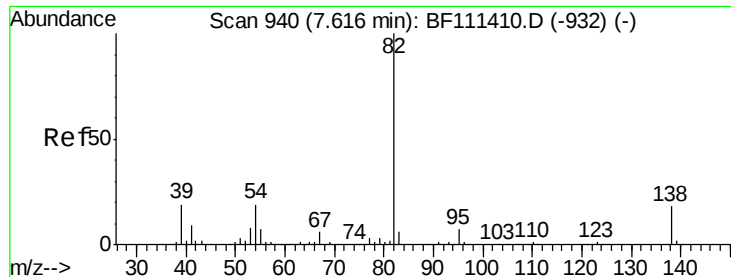
#24
 Nitrobenzene
 Concen: 27.699 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion: 77 Resp: 400629
 Ion Ratio Lower Upper
 77 100
 123 50.7 37.2 55.8
 65 13.1 11.5 17.3



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: 31.496 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

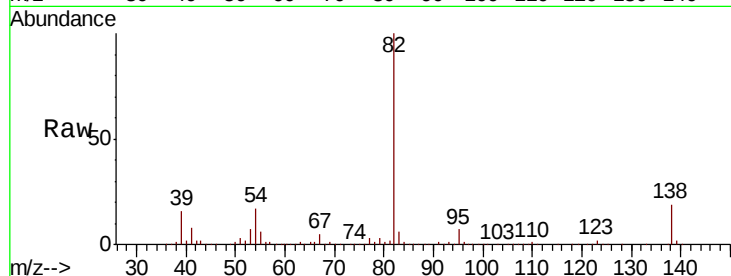
Tgt Ion: 82 Resp: 755609

Ion Ratio Lower Upper

82 100

95 6.5 5.4 8.2

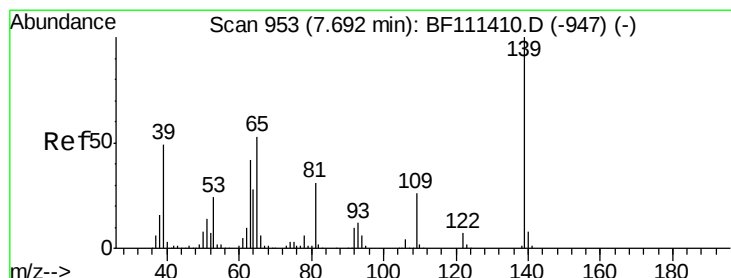
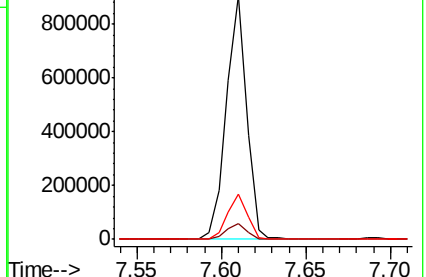
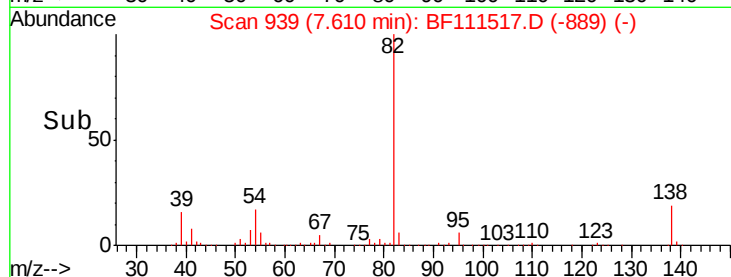
138 18.5 15.1 22.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 19.665 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

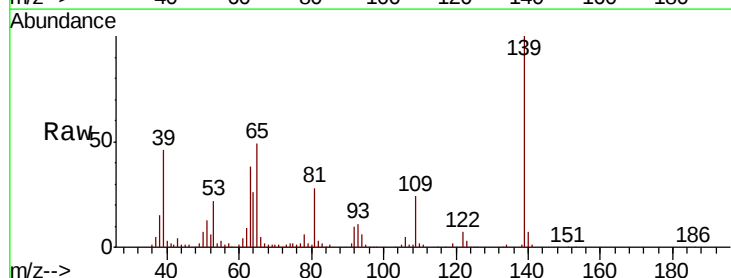
Tgt Ion: 139 Resp: 147507

Ion Ratio Lower Upper

139 100

109 24.0 20.2 30.4

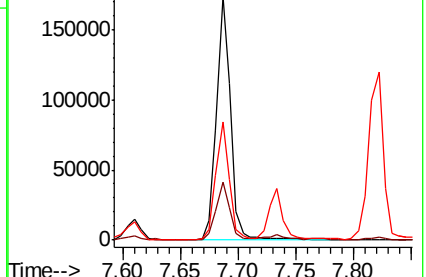
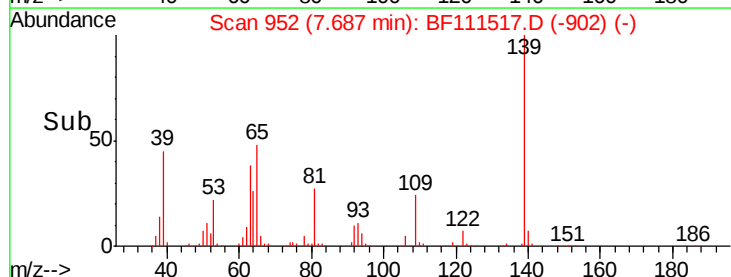
65 48.6 40.7 61.1

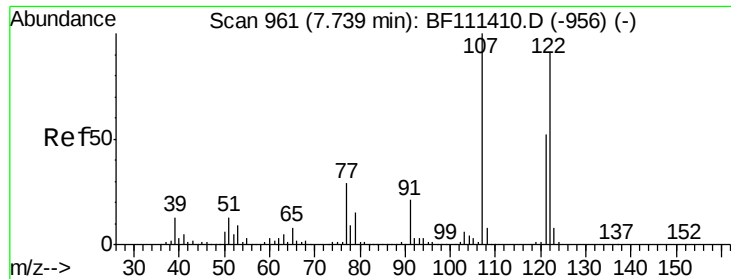


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

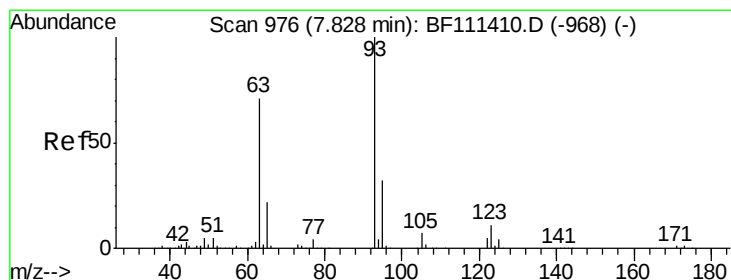
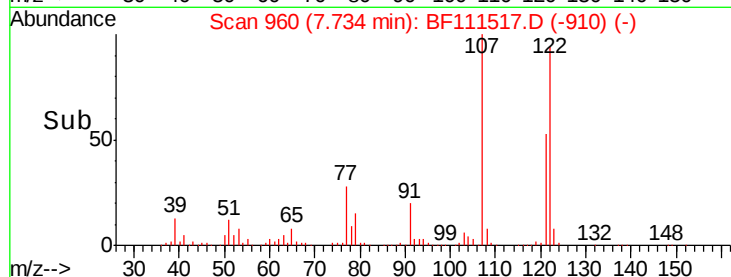
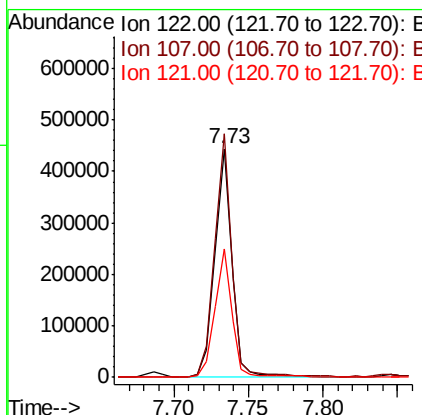
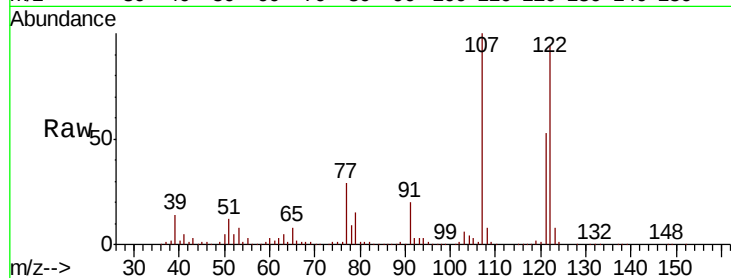




#27
 2,4-Dimethylphenol
 Concen: 32.870 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

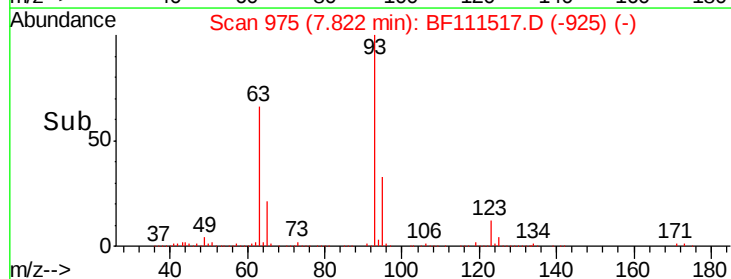
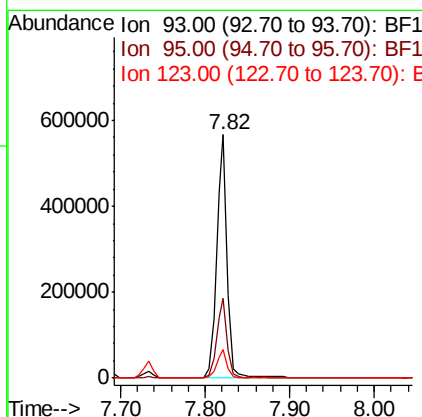
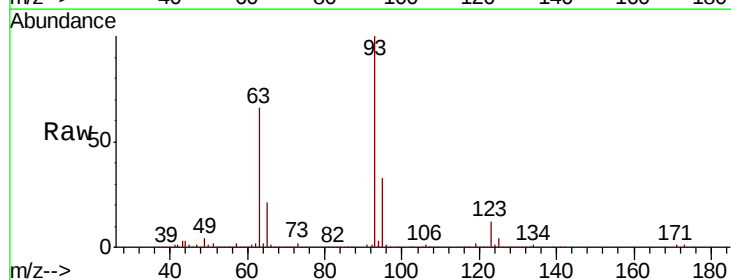
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

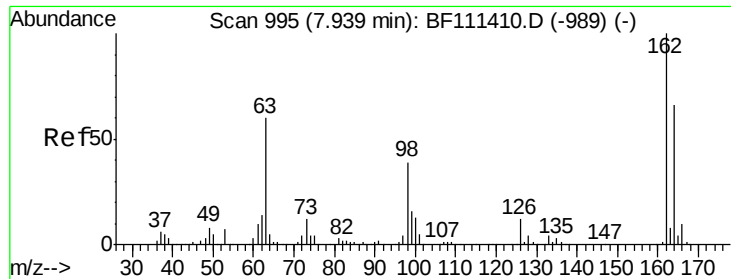
Tgt Ion: 122 Resp: 357435
 Ion Ratio Lower Upper
 122 100
 107 106.4 85.5 128.3
 121 56.4 46.6 70.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 30.540 ng
 RT: 7.82 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion: 93 Resp: 505788
 Ion Ratio Lower Upper
 93 100
 95 32.9 27.1 40.7
 123 11.9 9.9 14.9

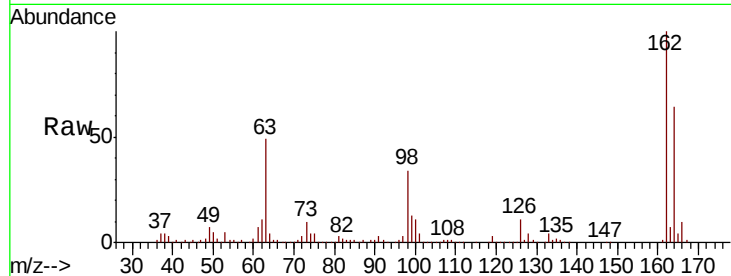




#29
2,4-Dichlorophenol
Concen: 26.898 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.4	84.4
98	34.1	20.3	60.3

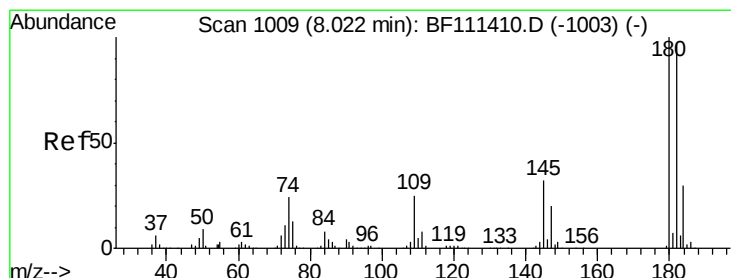
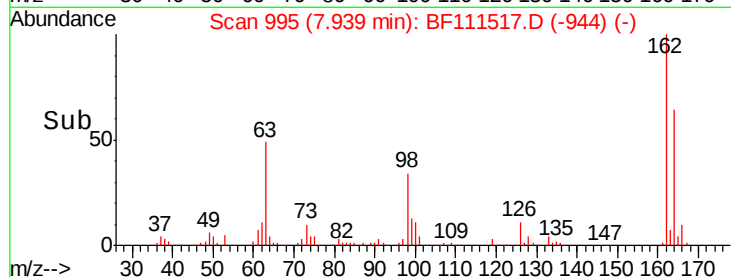
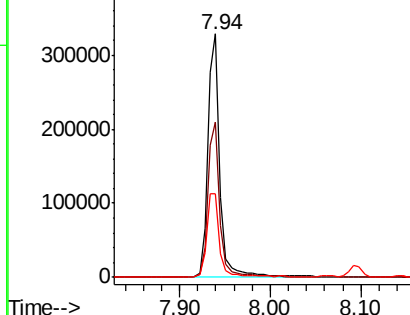


Abundance

Ion 162.00 (161.70 to 162.70): E

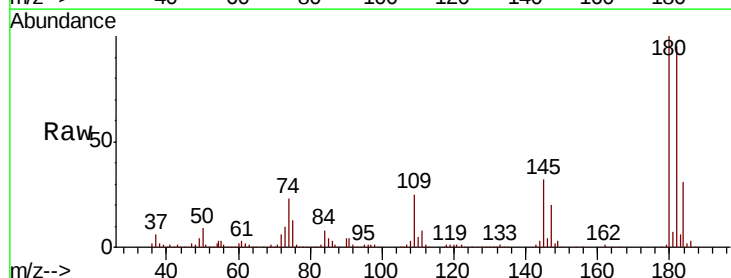
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 26.207 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
145	31.8	26.7	40.1

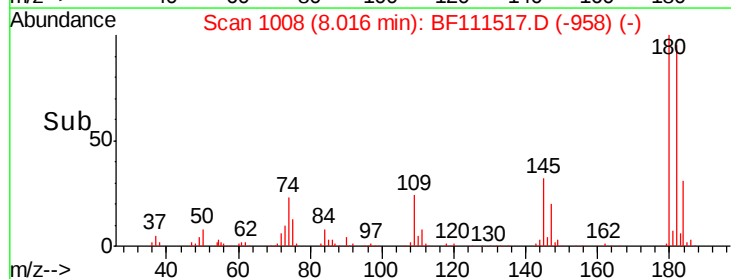
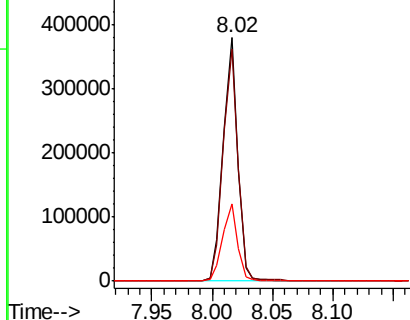


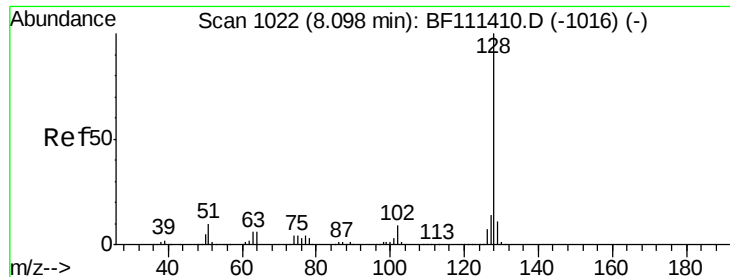
Abundance

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

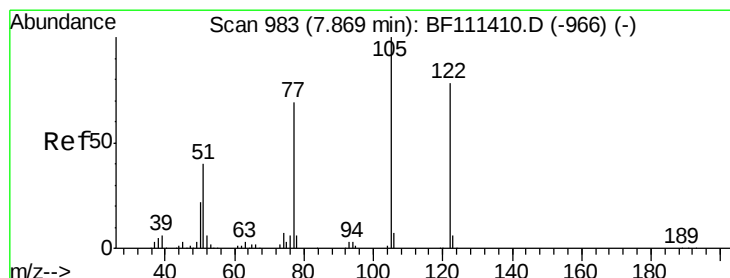
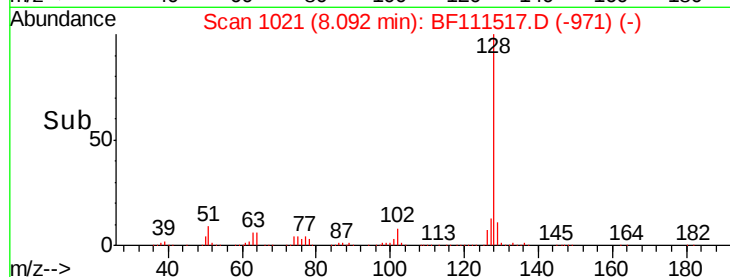
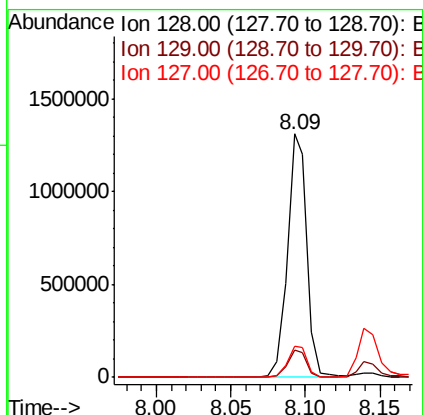
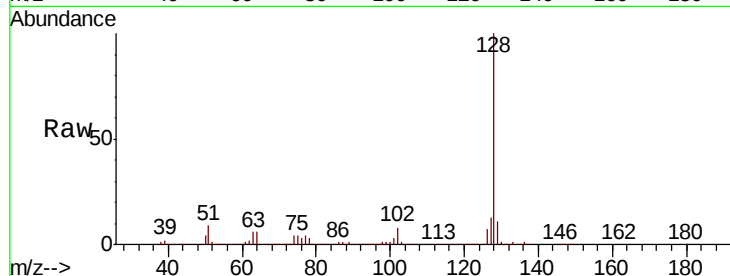




#31
Naphthalene
Concen: 30.384 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

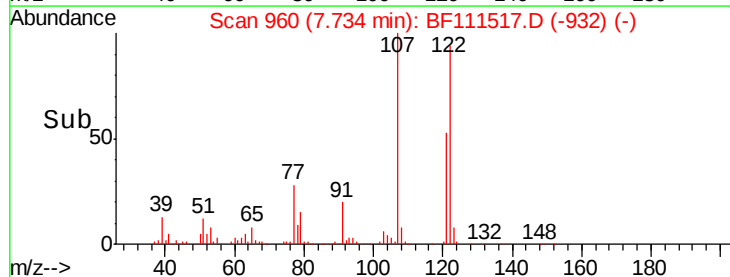
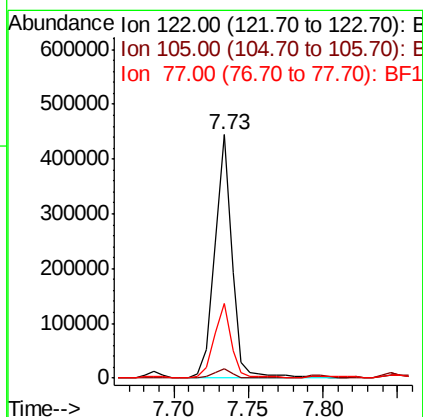
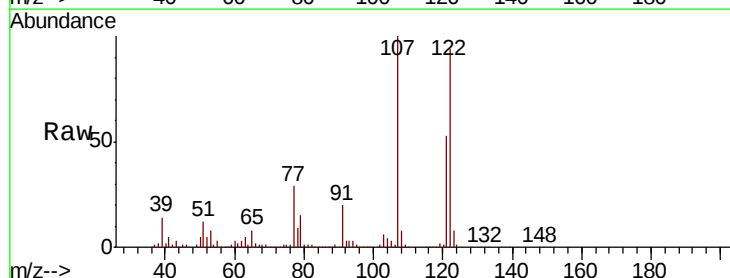
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

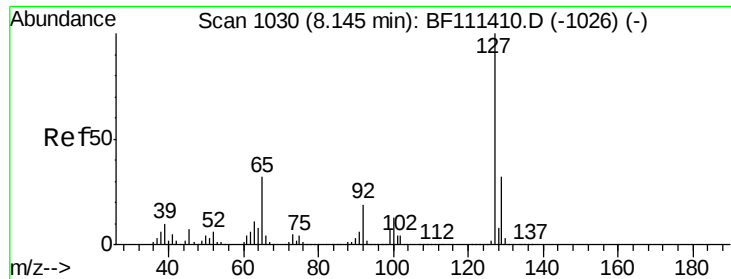
Tgt Ion:128 Resp: 1199874
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.8
127 12.9 12.0 18.0



#32
Benzoic acid
Concen: 38.038 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.14 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:122 Resp: 357435
Ion Ratio Lower Upper
122 100
105 3.7 97.0 137.0#
77 30.5 65.7 105.7#

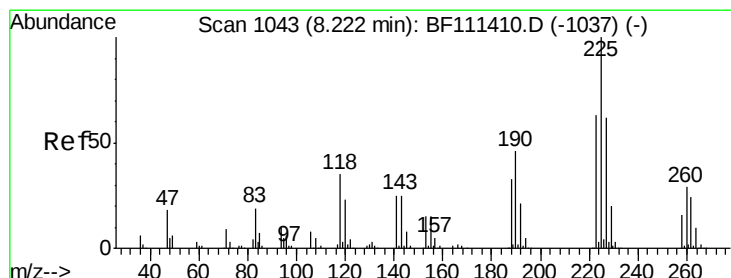
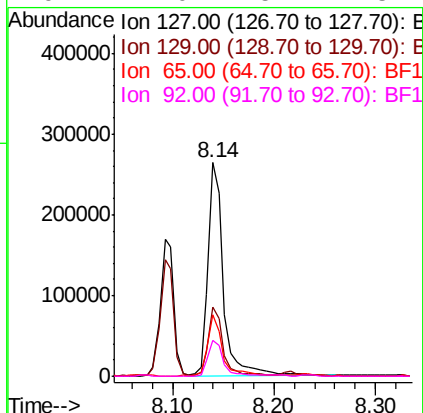
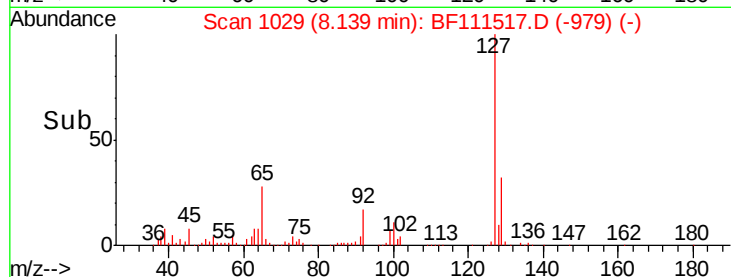
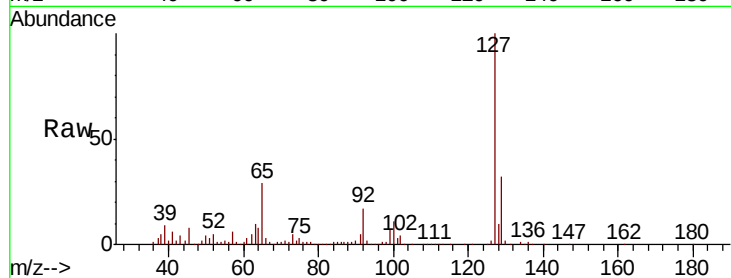




#33
4-Chloroaniline
Concen: 15.823 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

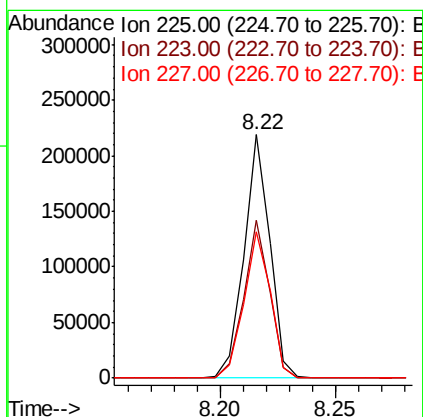
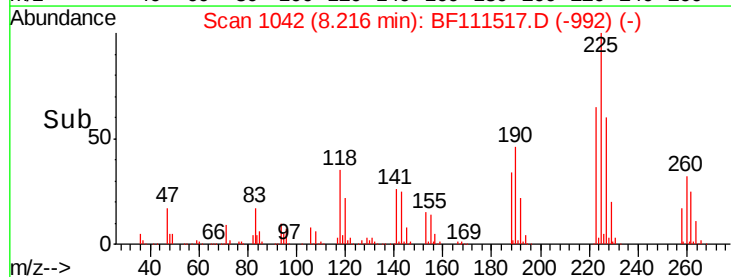
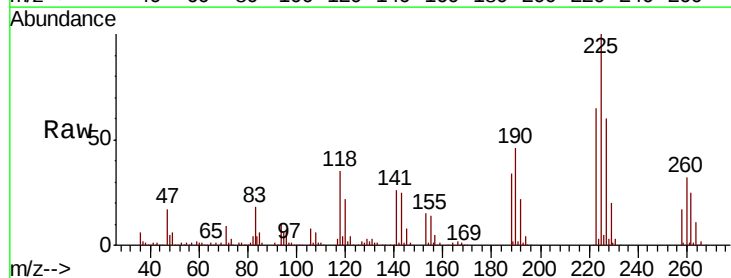
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

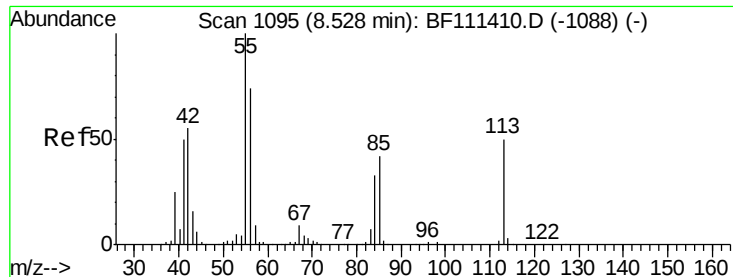
Tgt Ion:	127	Resp:	277853
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.6	39.8
65	28.7	25.7	38.5
92	17.0	15.4	23.2



#34
Hexachlorobutadiene
Concen: 25.525 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:	225	Resp:	170889
Ion	Ratio	Lower	Upper
225	100		
223	65.0	50.7	76.1
227	60.3	52.6	78.8

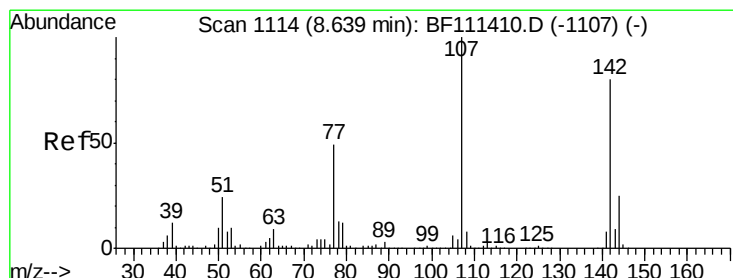
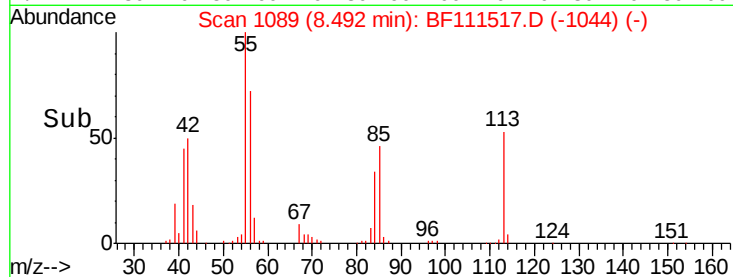
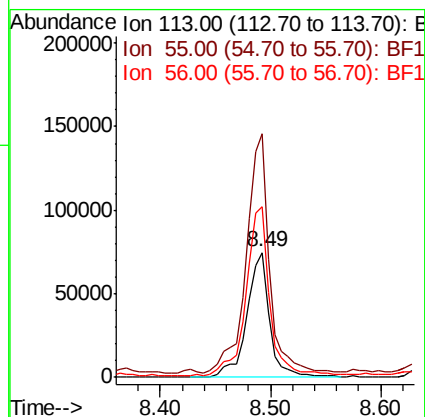
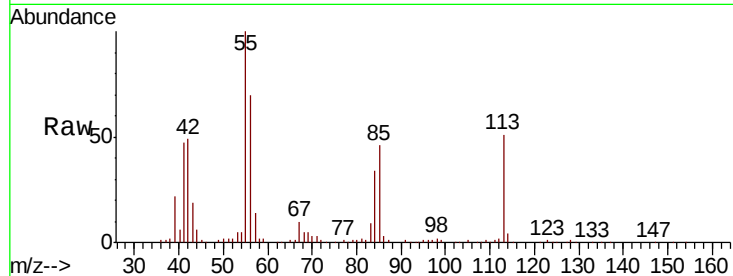




#35
 Caprolactam
 Concen: 25.487 ng
 RT: 8.49 min Scan# 1089
 Delta R.T. -0.04 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

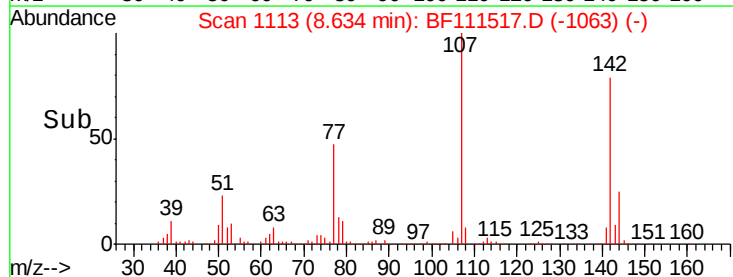
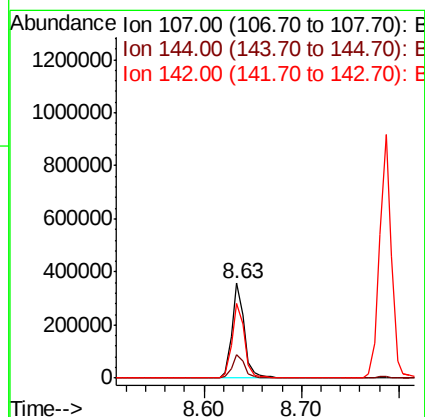
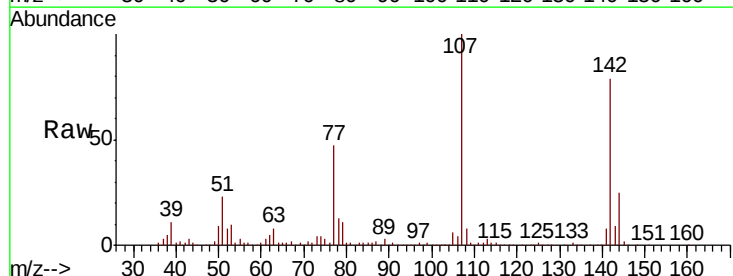
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

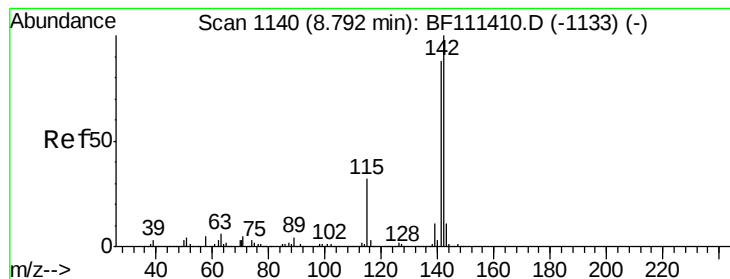
Tgt Ion:113 Resp: 109845
 Ion Ratio Lower Upper
 113 100
 55 195.4 184.1 224.1
 56 137.1 126.0 166.0



#36
 4-Chloro-3-methylphenol
 Concen: 24.998 ng
 RT: 8.63 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion:107 Resp: 319410
 Ion Ratio Lower Upper
 107 100
 144 25.4 19.8 29.6
 142 78.8 62.3 93.5





#37

2-Methylnaphthalene

Concen: 28.708 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

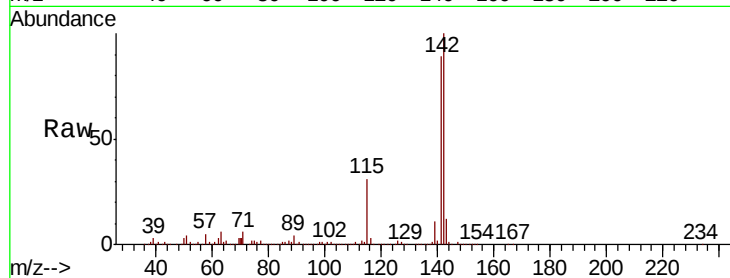
Tgt Ion:142 Resp: 767150

Ion Ratio Lower Upper

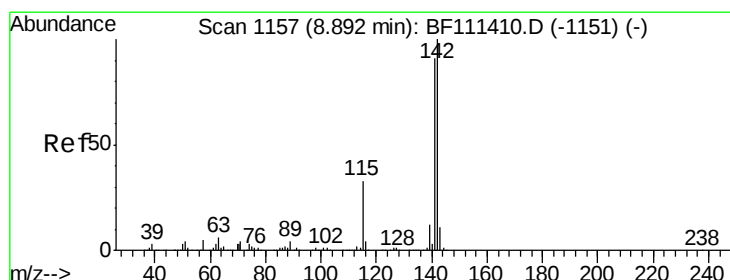
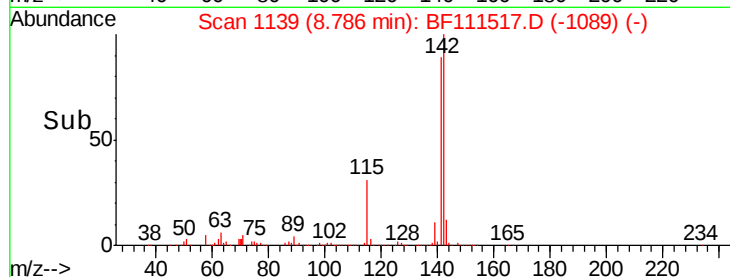
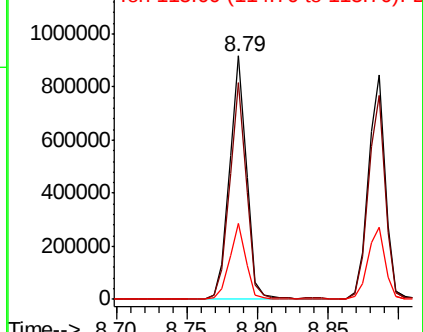
142 100

141 88.9 70.6 105.8

115 31.3 27.0 40.6



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: 27.455 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

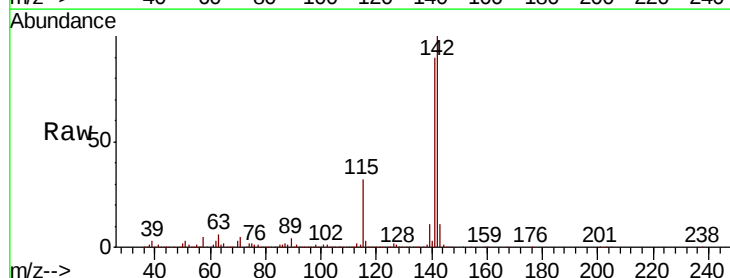
Tgt Ion:142 Resp: 708774

Ion Ratio Lower Upper

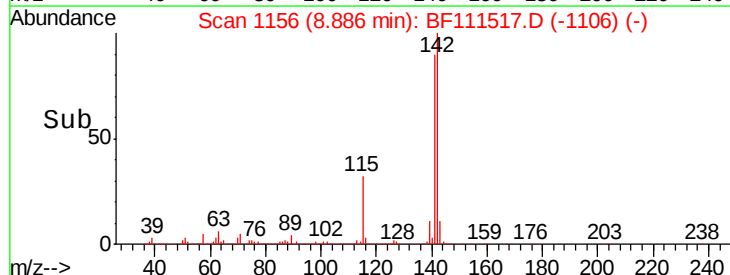
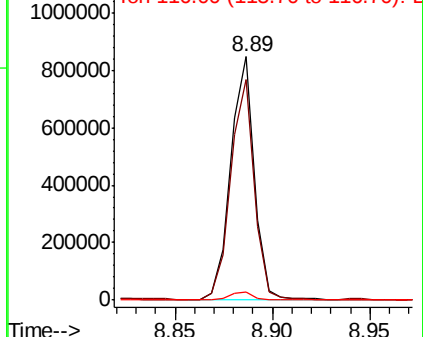
142 100

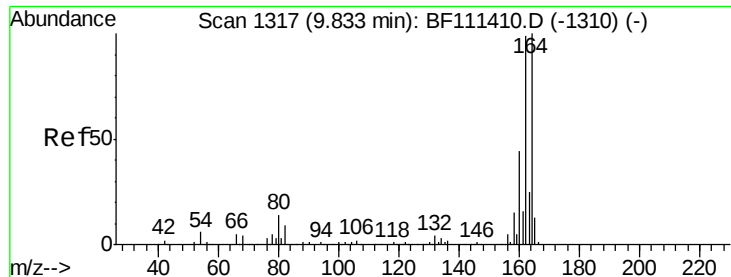
141 90.5 74.2 111.4

116 3.1 2.9 4.3



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

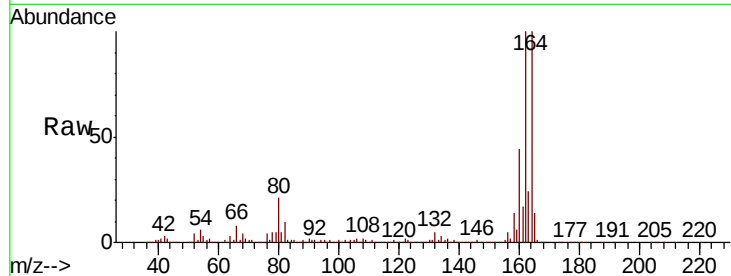




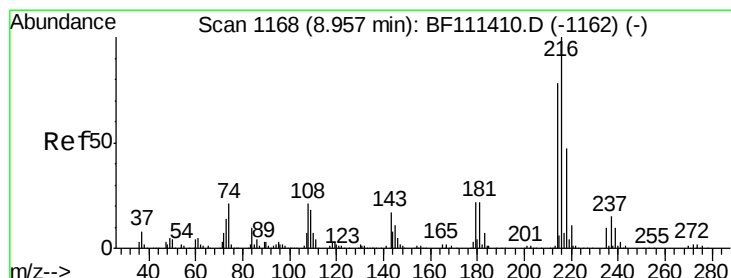
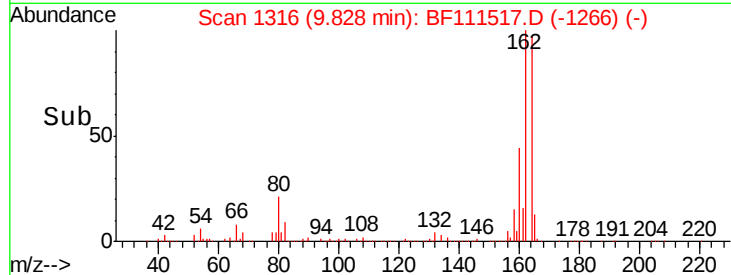
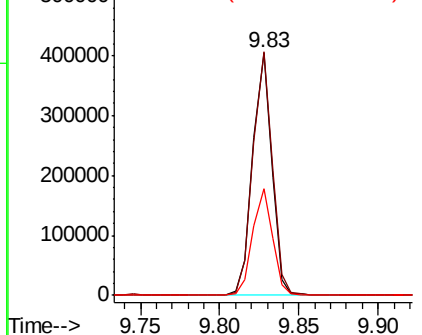
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

Tgt Ion:164 Resp: 341941
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.4 122.0
 160 44.2 35.7 53.5

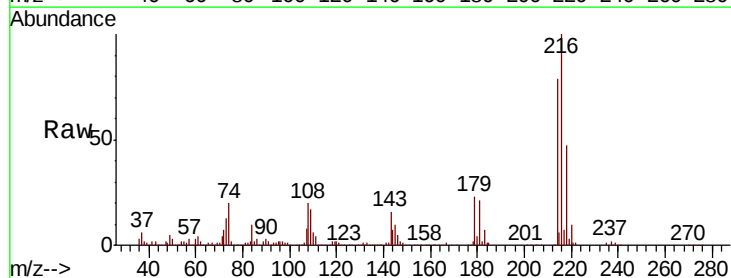


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

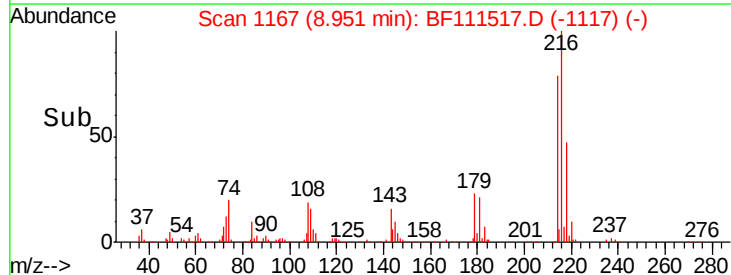
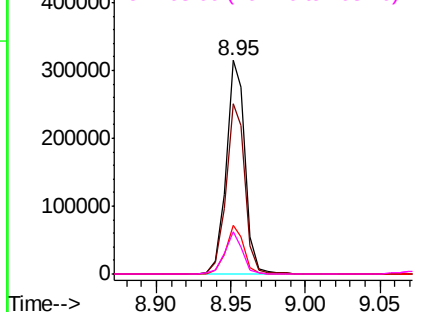


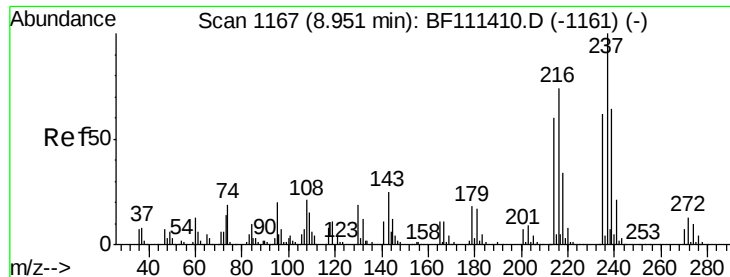
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 30.136 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion:216 Resp: 282595
 Ion Ratio Lower Upper
 216 100
 214 79.7 63.8 95.8
 179 21.9 17.9 26.9
 108 19.3 18.4 27.6



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: 4.536 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

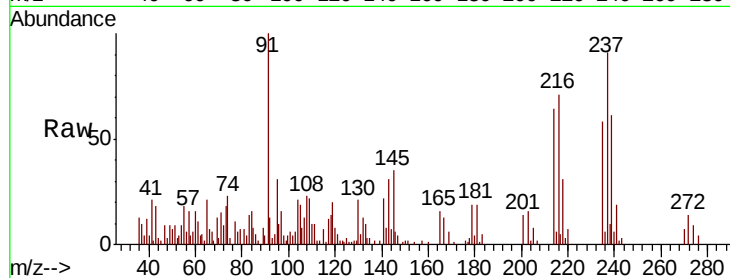
Tgt Ion:237 Resp: 21841

Ion Ratio Lower Upper

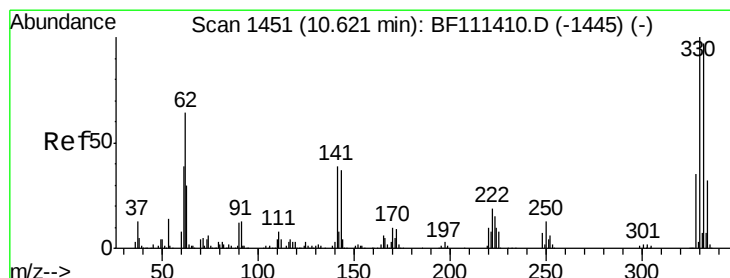
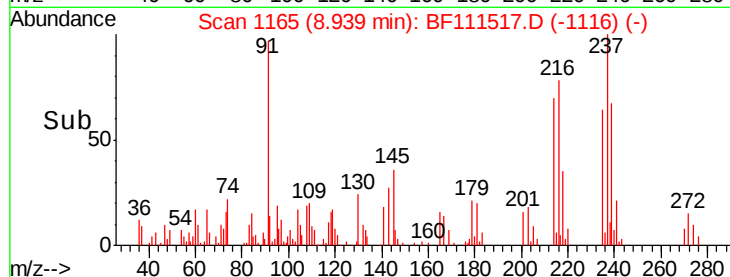
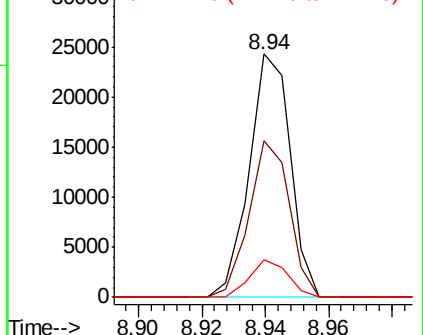
237 100

235 64.2 43.1 83.1

272 15.2 0.0 33.0



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: 51.379 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

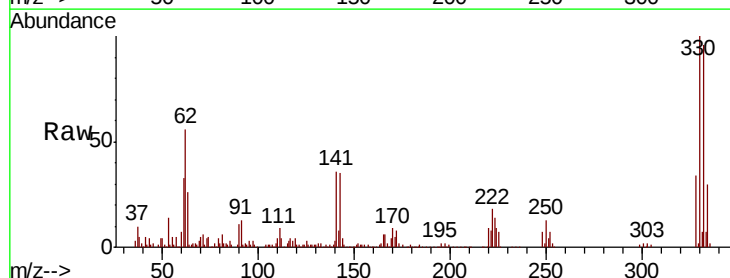
Tgt Ion:330 Resp: 157377

Ion Ratio Lower Upper

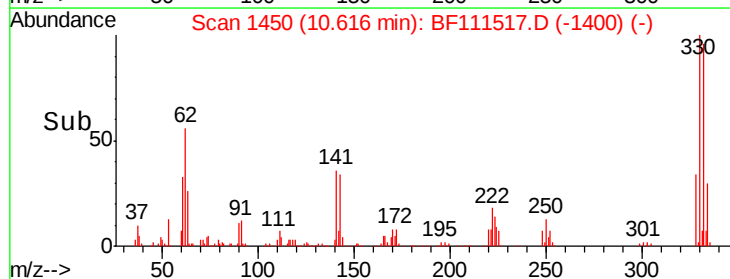
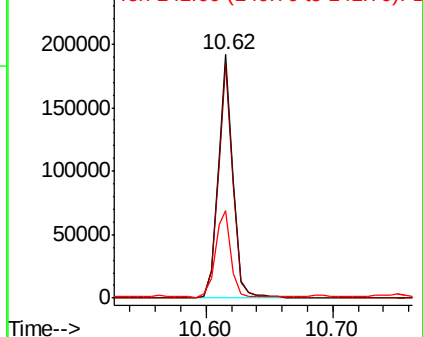
330 100

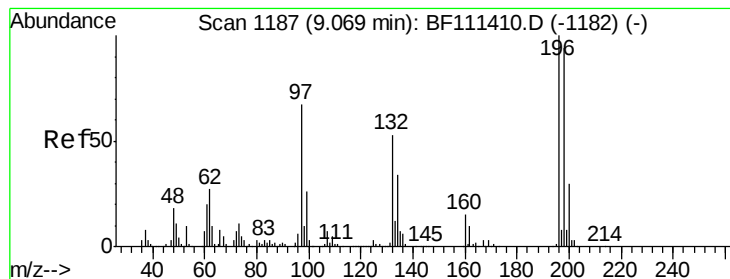
332 96.5 76.0 114.0

141 37.6 31.0 46.6



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: 24.516 ng

RT: 9.07 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

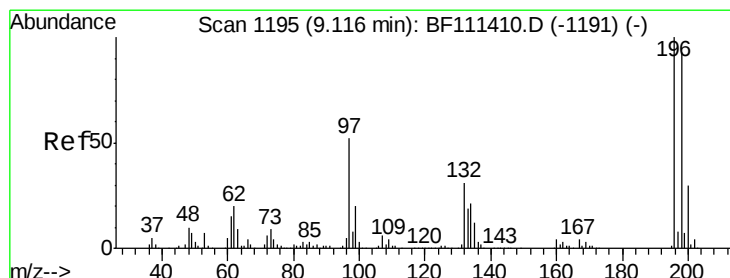
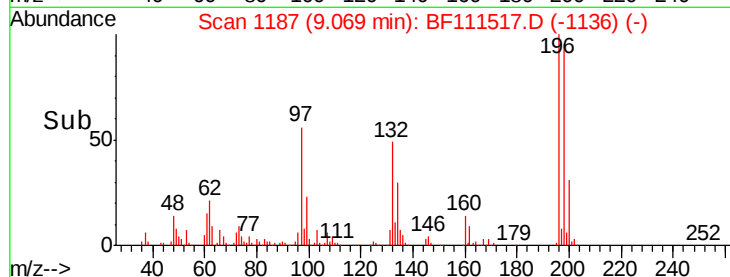
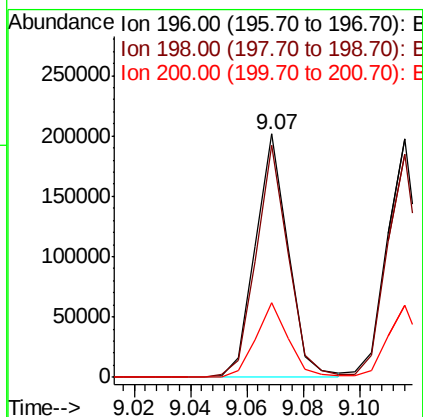
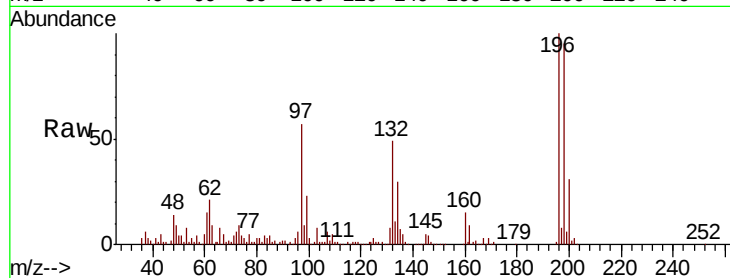
Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

Tgt Ion:	196	Resp:	162713
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.3	114.5
200	30.6	24.9	37.3



#44

2,4,5-Trichlorophenol

Concen: 23.935 ng

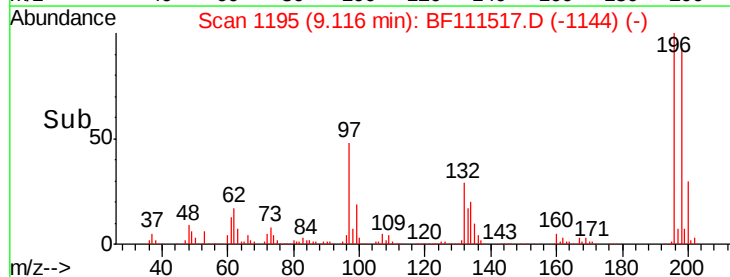
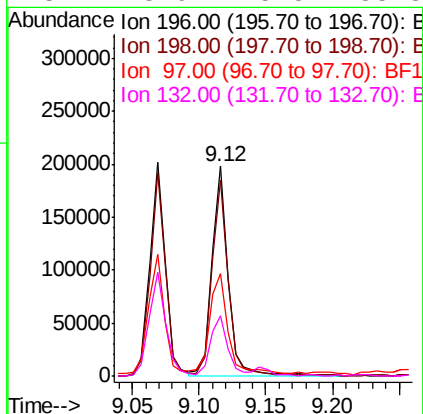
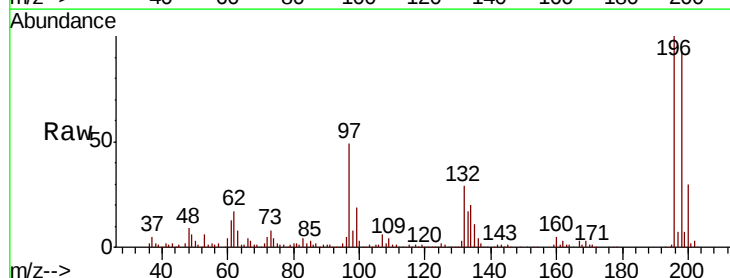
RT: 9.12 min Scan# 1195

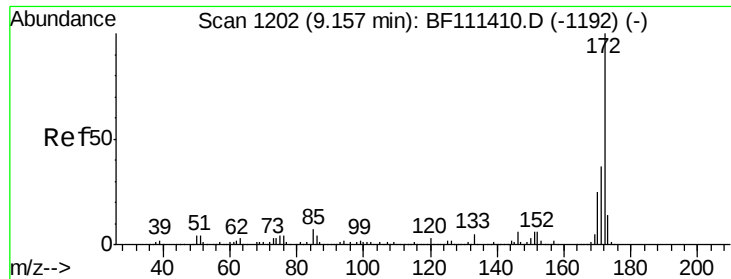
Delta R.T. 0.00 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Tgt Ion:	196	Resp:	169045
Ion	Ratio	Lower	Upper
196	100		
198	93.2	72.9	109.3
97	48.6	45.3	67.9
132	28.9	25.5	38.3

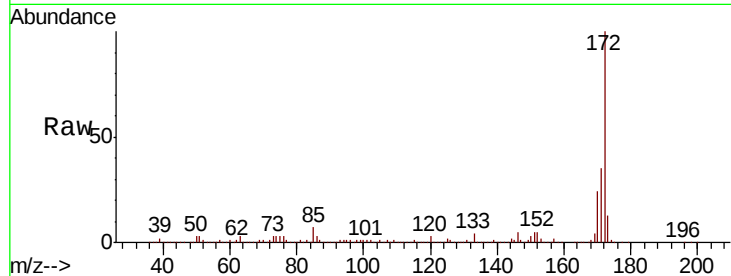




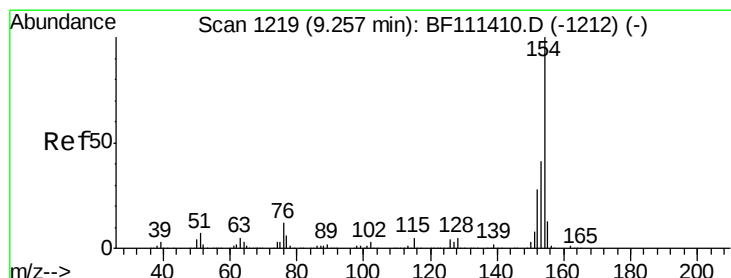
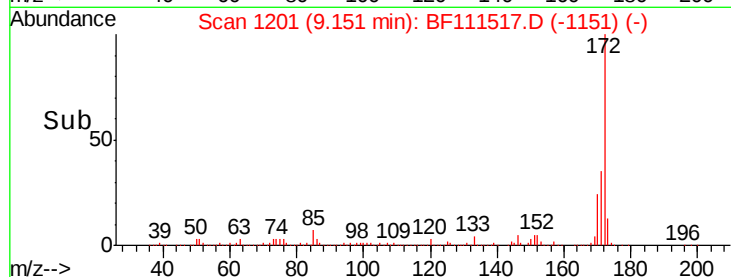
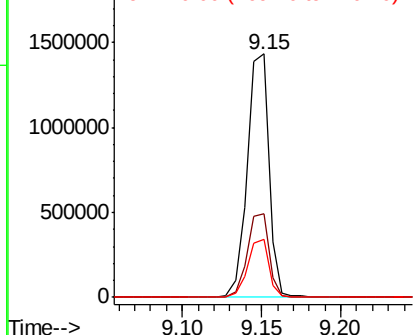
#45
2-Fluorobiphenyl
Concen: 61.455 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion:172 Resp: 1360456
Ion Ratio Lower Upper
172 100
171 34.6 33.0 49.4
170 23.6 22.3 33.5

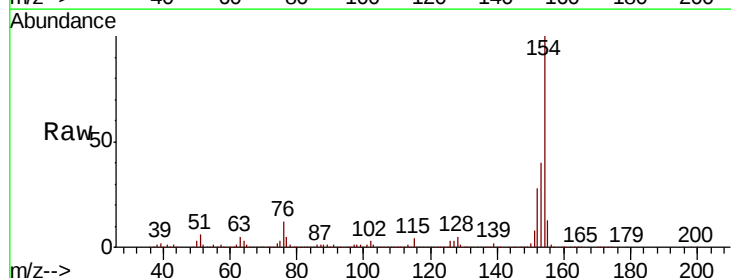


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

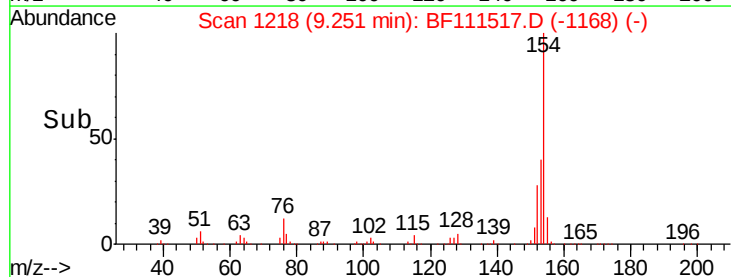
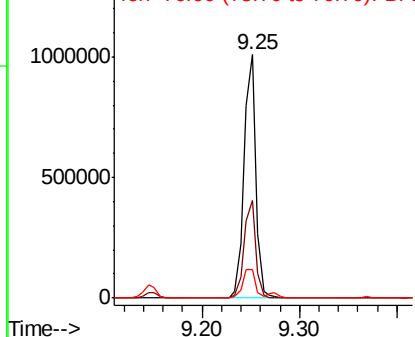


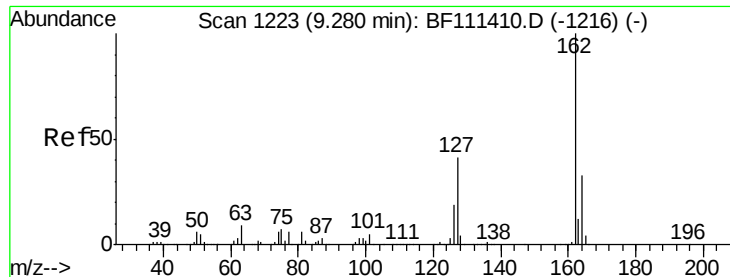
#46
1,1'-Biphenyl
Concen: 29.173 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:154 Resp: 845229
Ion Ratio Lower Upper
154 100
153 39.9 23.7 63.7
76 11.9 0.0 35.0



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

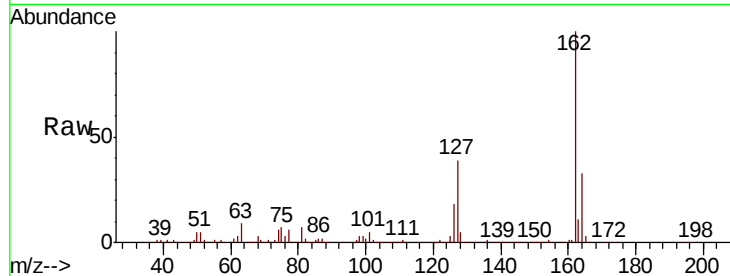




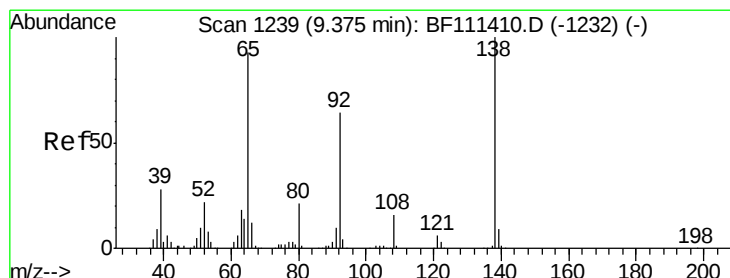
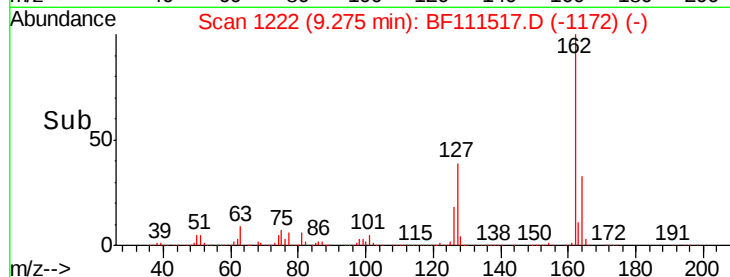
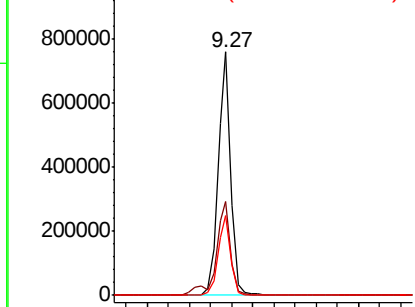
#47
2-Chloronaphthalene
Concen: 29.214 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.7	35.0	52.4
164	32.6	28.4	42.6

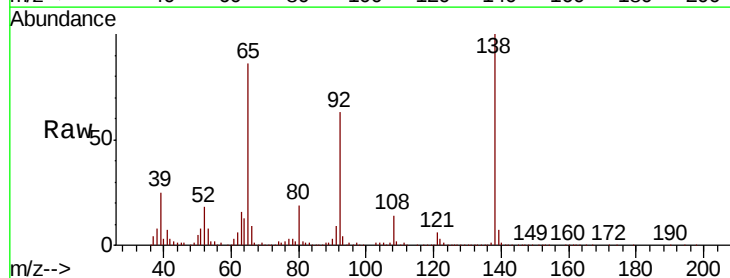


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

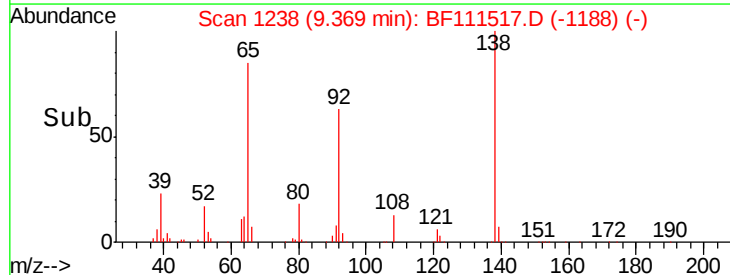
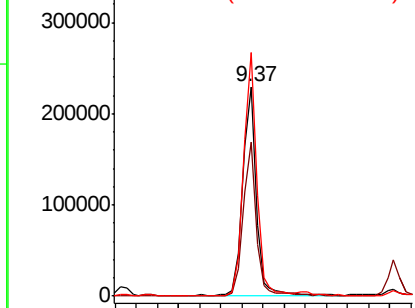


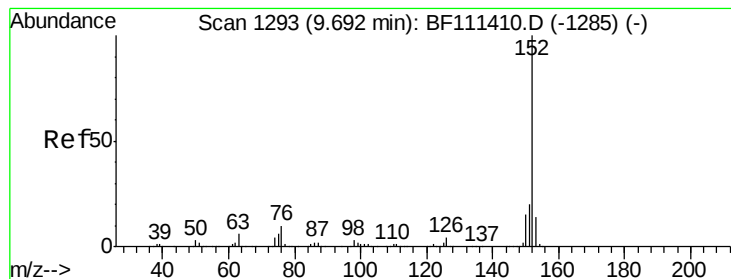
#48
2-Nitroaniline
Concen: 28.016 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.6	53.5	80.3
138	116.3	80.9	121.3



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: 29.678 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

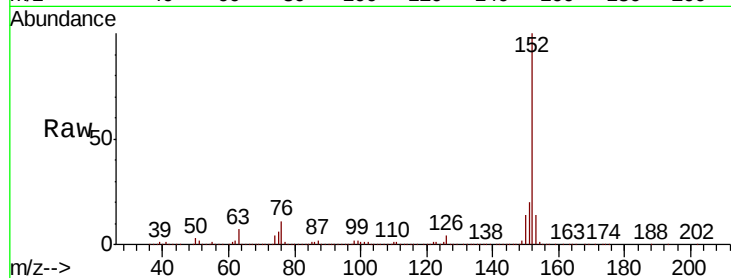
Tgt Ion:152 Resp: 970160

Ion Ratio Lower Upper

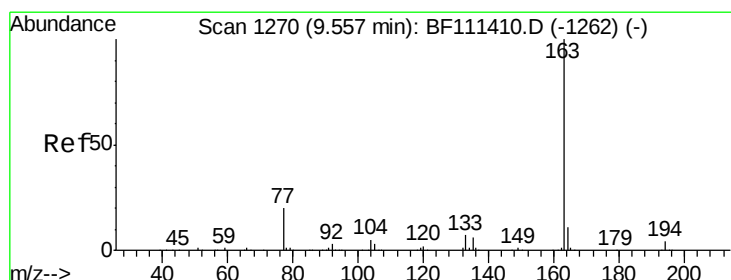
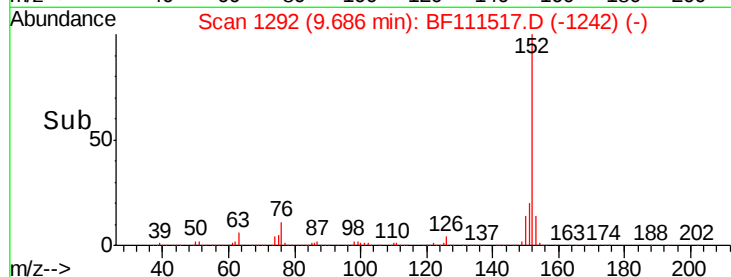
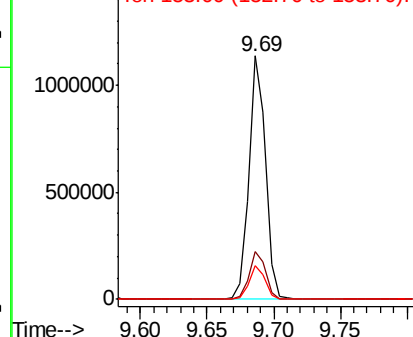
152 100

151 19.8 18.0 27.0

153 13.6 12.3 18.5



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: 34.863 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

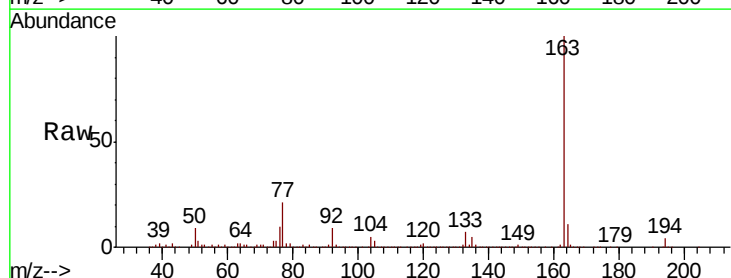
Tgt Ion:163 Resp: 858541

Ion Ratio Lower Upper

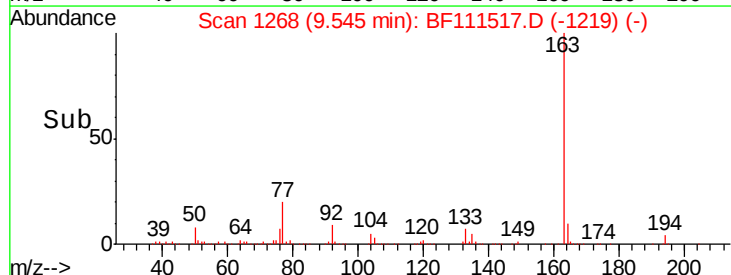
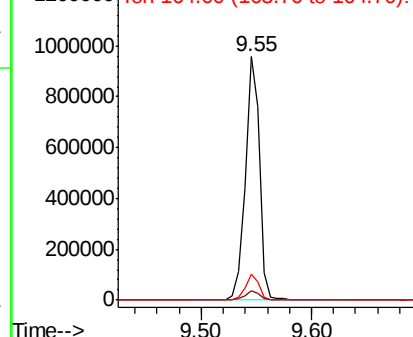
163 100

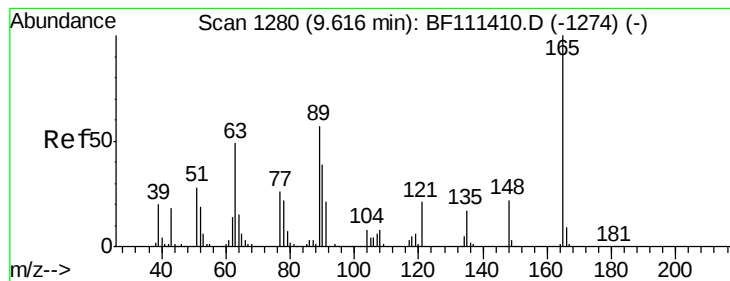
194 3.9 3.0 4.6

164 10.5 8.9 13.3



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: 26.999 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

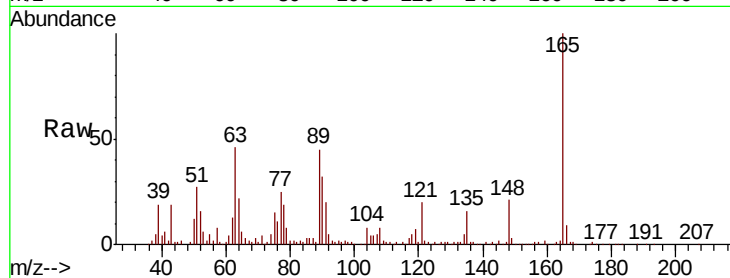
Tgt Ion:165 Resp: 149659

Ion Ratio Lower Upper

165 100

63 46.2 40.5 60.7

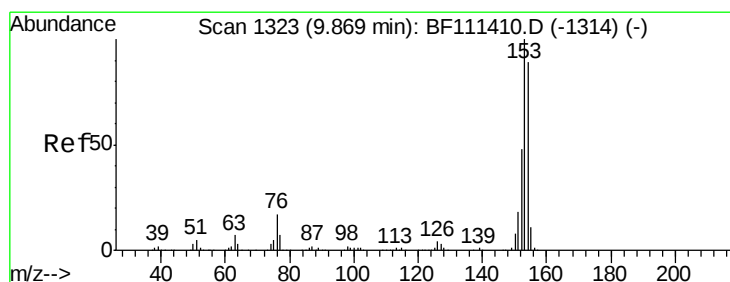
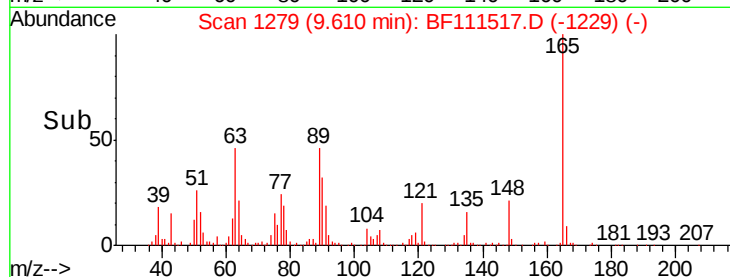
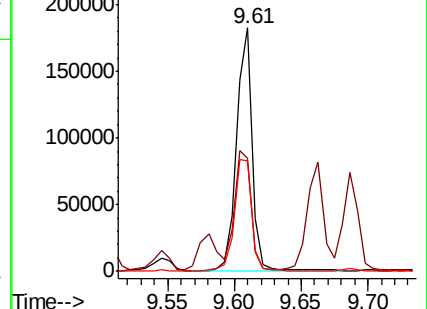
89 45.4 40.0 60.0



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



#52

Acenaphthene

Concen: 26.643 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

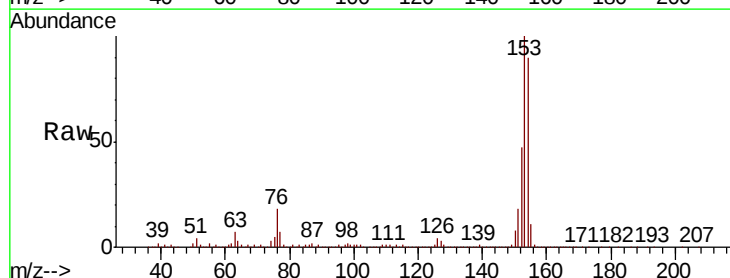
Tgt Ion:154 Resp: 550489

Ion Ratio Lower Upper

154 100

153 111.0 87.8 131.8

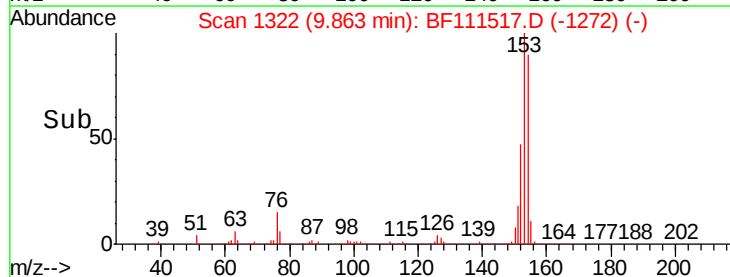
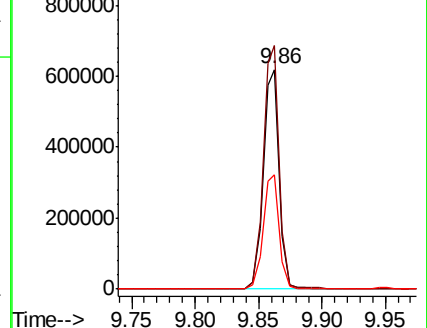
152 52.1 43.4 65.2

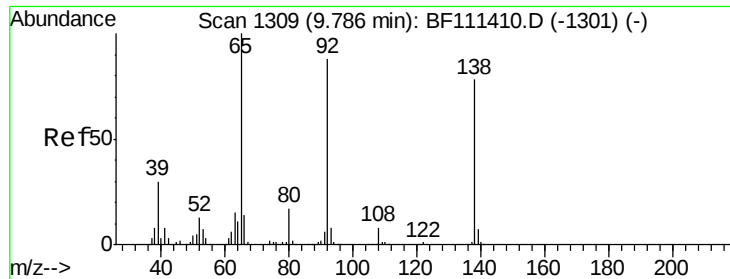


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

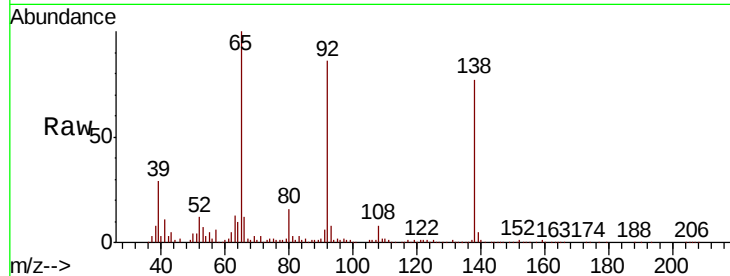




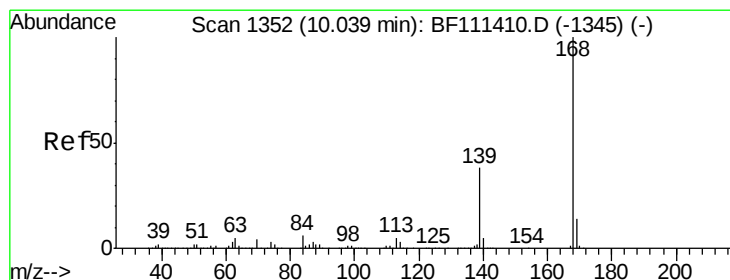
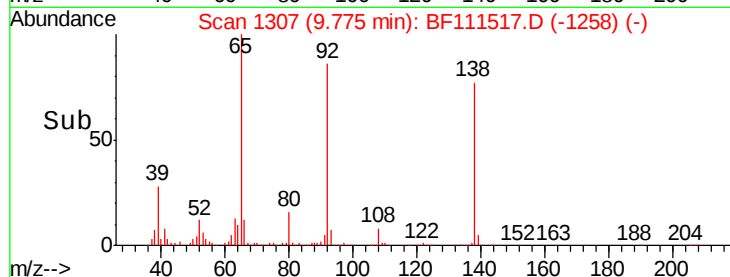
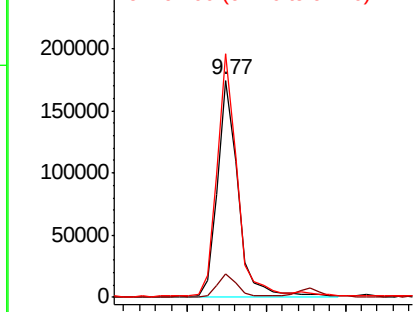
#53
3-Nitroaniline
Concen: 23.338 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion:138 Resp: 157131
Ion Ratio Lower Upper
138 100
108 10.6 8.2 12.4
92 112.0 93.4 140.2

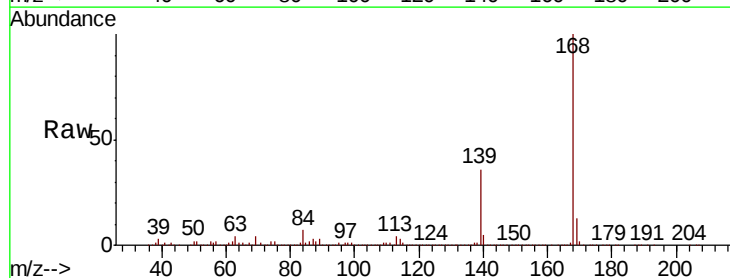


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

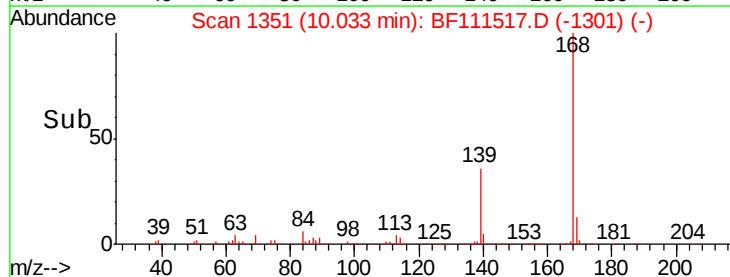
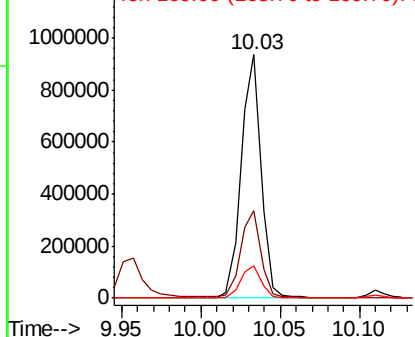


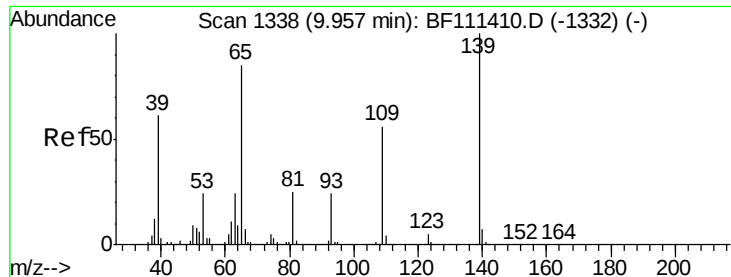
#55
Dibenzofuran
Concen: 27.057 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:168 Resp: 811478
Ion Ratio Lower Upper
168 100
139 36.0 32.6 49.0
169 13.2 11.8 17.6



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

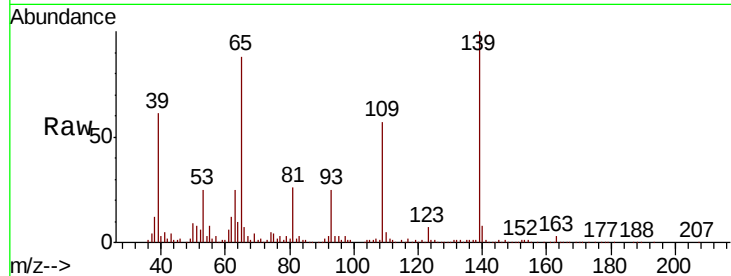




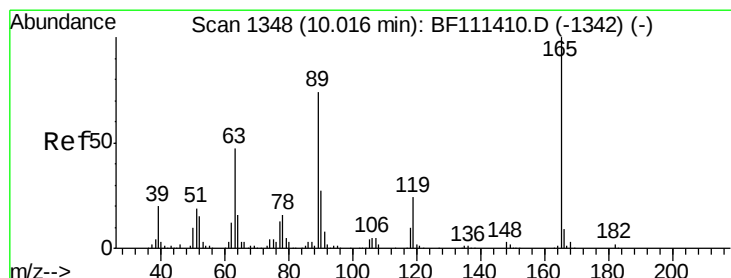
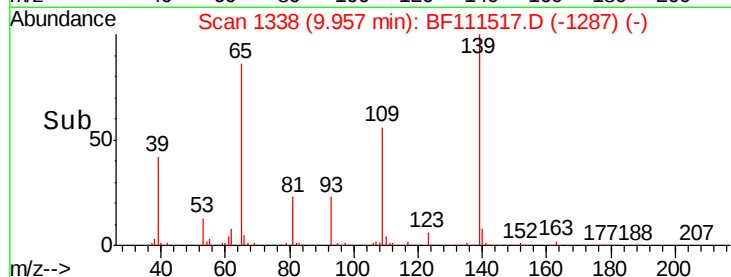
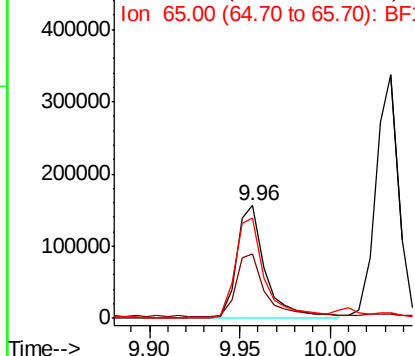
#56
4-Nitrophenol
Concen: 36.781 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion:139 Resp: 171379
Ion Ratio Lower Upper
139 100
109 57.4 41.8 81.8
65 88.4 79.6 119.6

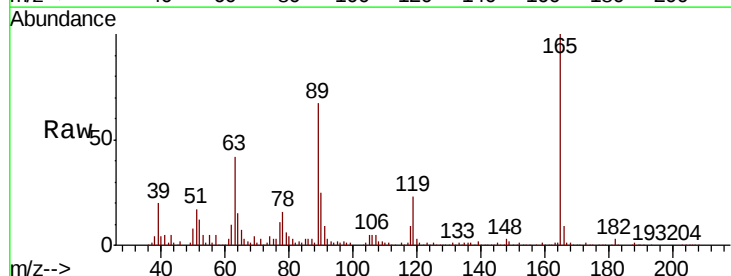


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

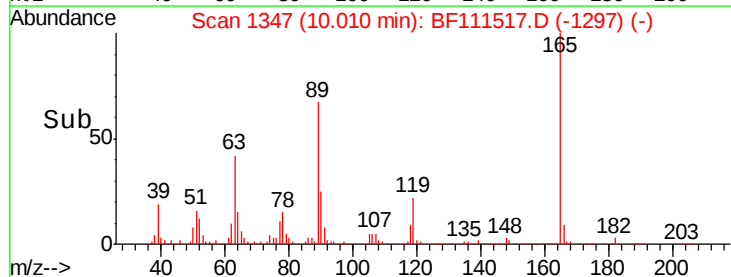
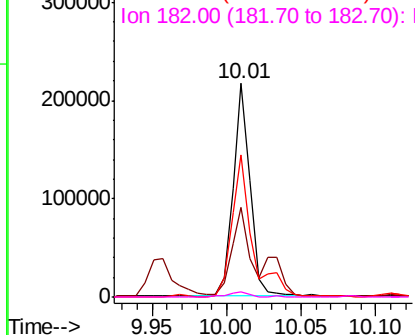


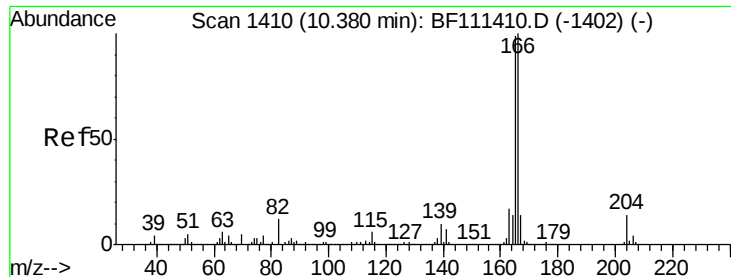
#57
2,4-Dinitrotoluene
Concen: 24.068 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:165 Resp: 175103
Ion Ratio Lower Upper
165 100
63 41.8 34.6 52.0
89 66.6 56.2 84.4
182 2.6 1.8 2.6



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: 27.417 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

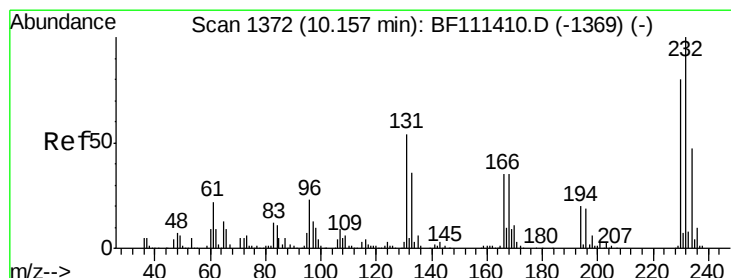
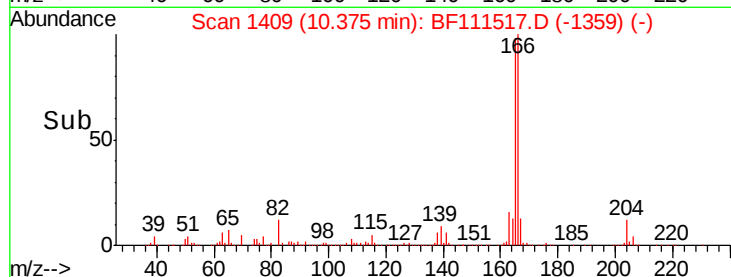
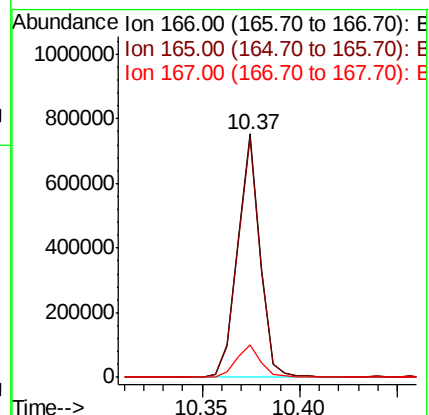
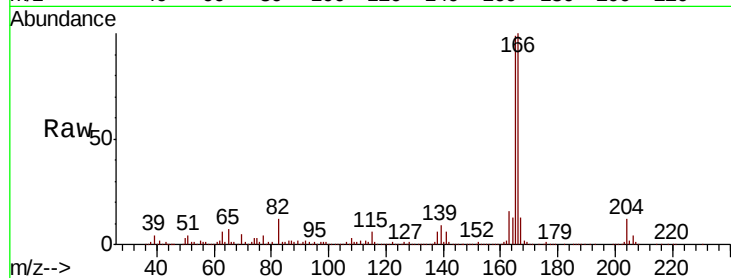
Tgt Ion:166 Resp: 596409

Ion Ratio Lower Upper

166 100

165 98.6 78.4 117.6

167 13.5 11.2 16.8



#59

2,3,4,6-Tetrachlorophenol

Concen: 19.837 ng

RT: 10.15 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Tgt Ion:232 Resp: 109464

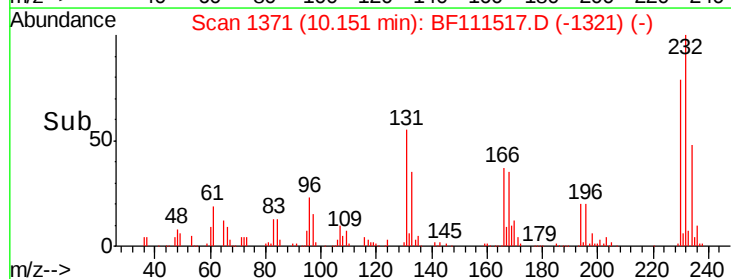
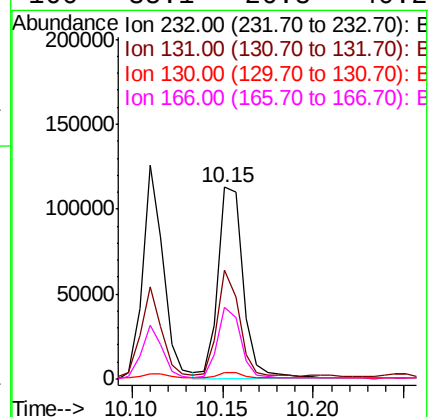
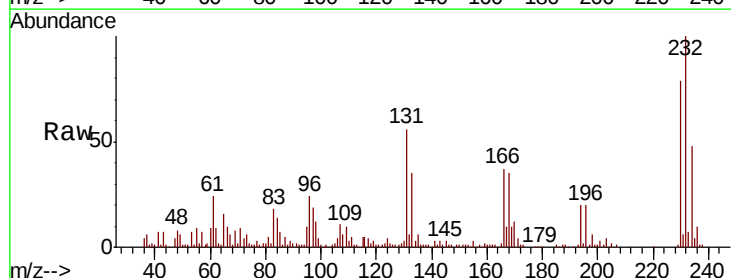
Ion Ratio Lower Upper

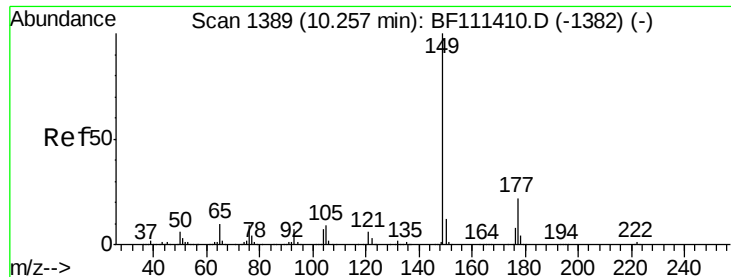
232 100

131 49.1 40.9 61.3

130 3.2 2.0 3.0#

166 35.1 26.8 40.2

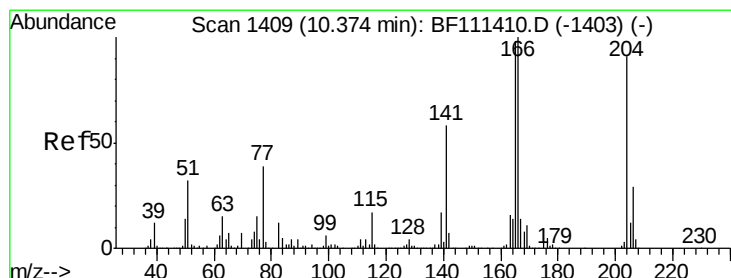
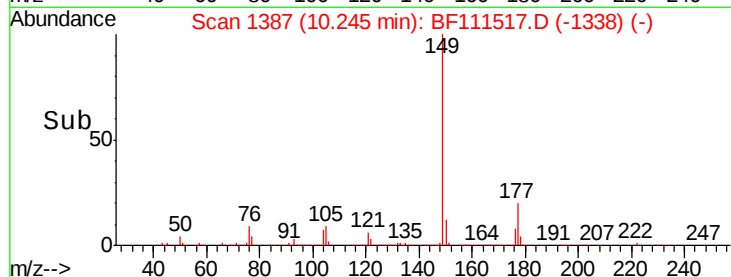
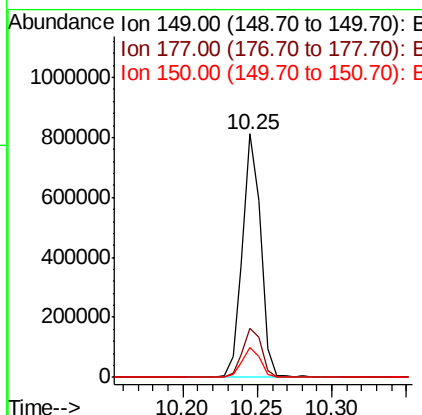
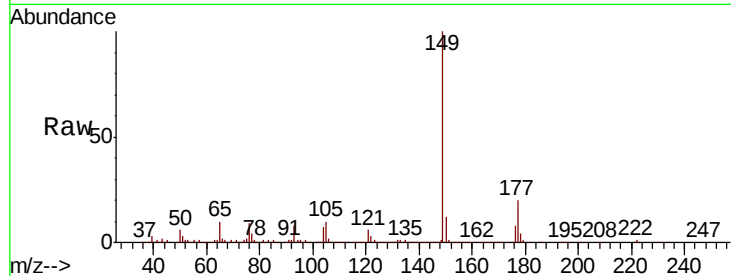




#60
Diethylphthalate
Concen: 27.764 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

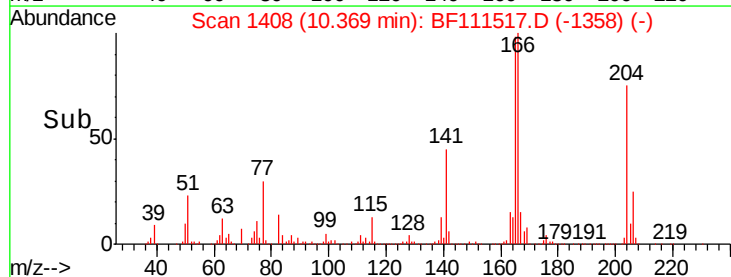
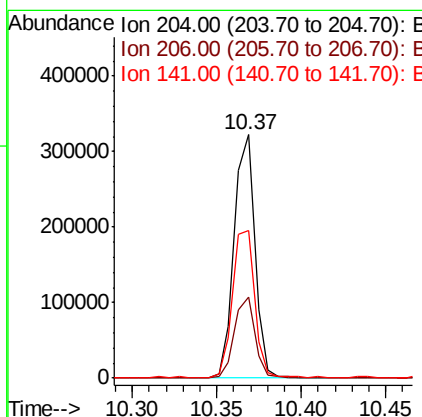
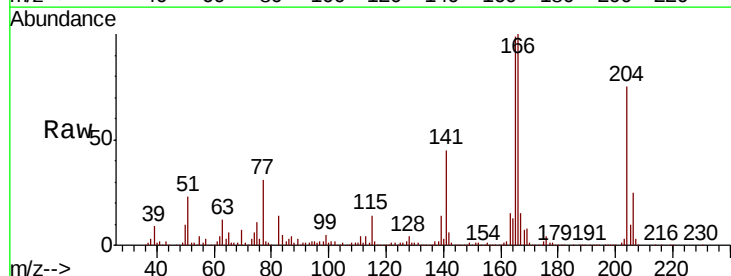
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

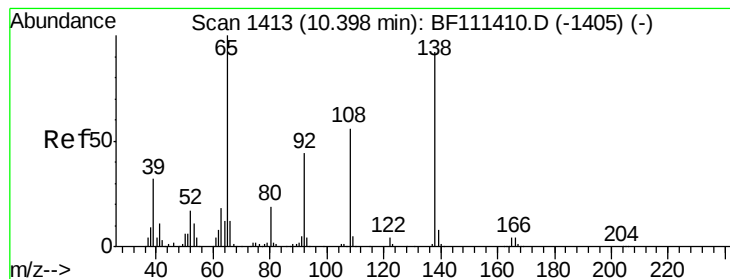
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.2	18.3	27.5
150	12.4	10.6	15.8



#61
4-Chlorophenyl-phenylether
Concen: 25.950 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	39.8
141	60.6	52.6	78.8





#62

4-Nitroaniline

Concen: 23.304 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

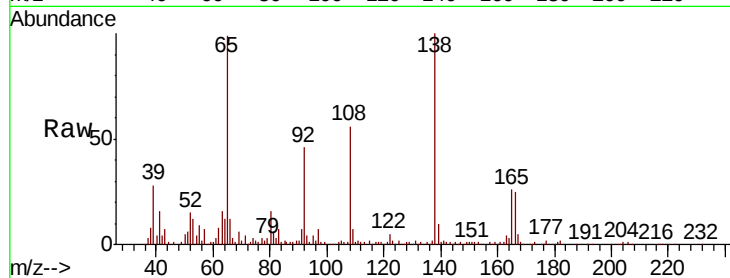
Tgt Ion: 138 Resp: 155324

Ion Ratio Lower Upper

138 100

92 46.0 29.9 69.9

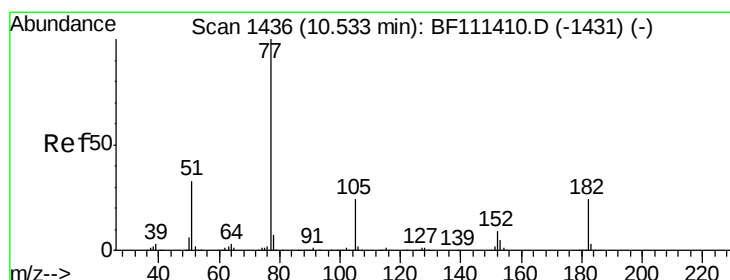
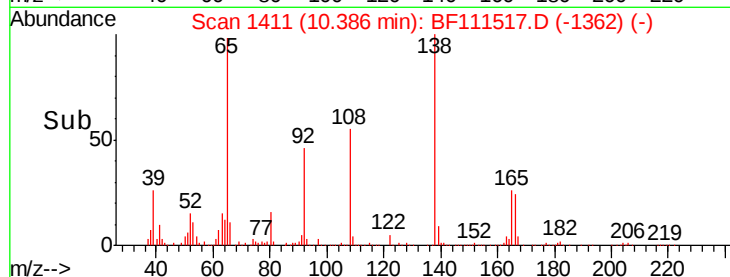
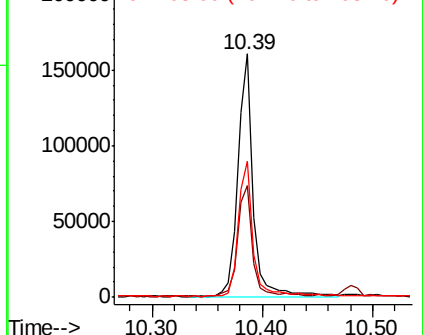
108 55.7 43.2 83.2



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: 24.716 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Tgt Ion: 77 Resp: 607814

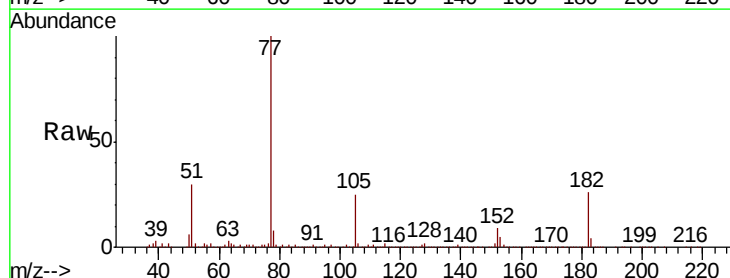
Ion Ratio Lower Upper

77 100

182 26.2 4.9 44.9

105 25.1 6.0 46.0

51 29.6 14.7 54.7

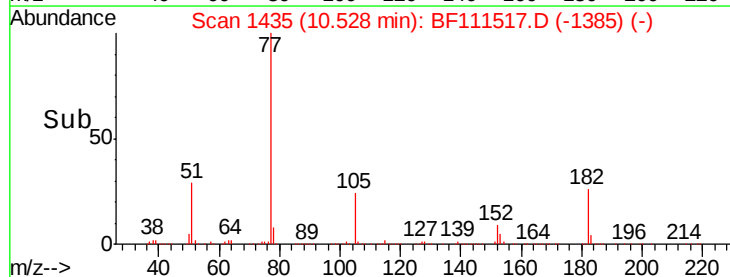
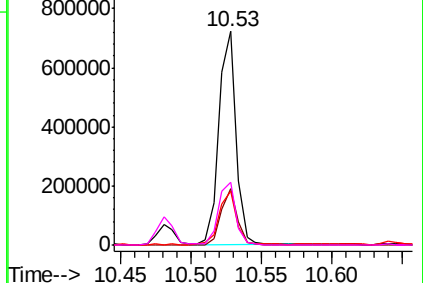


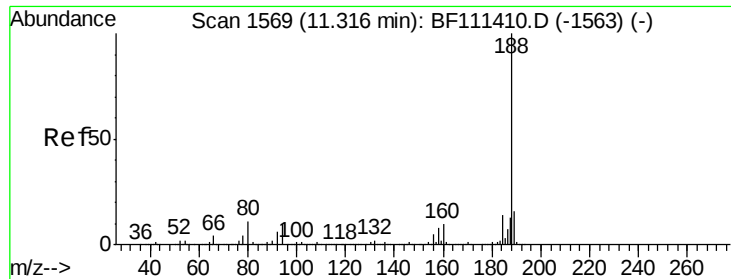
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

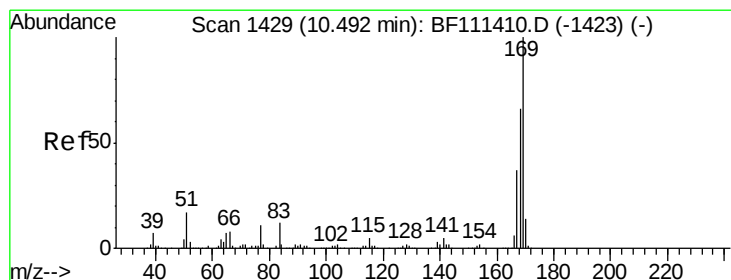
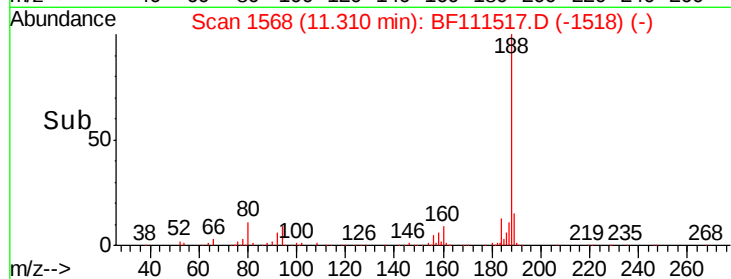
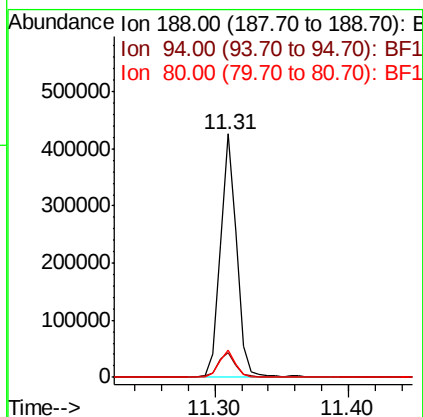
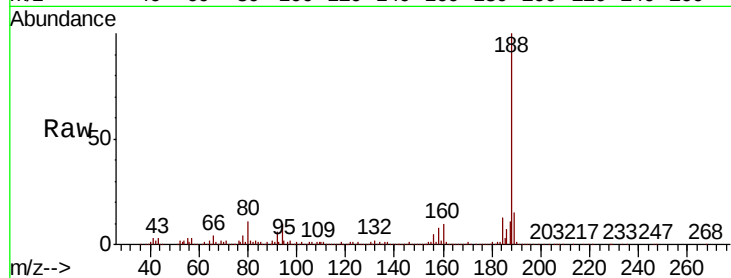




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

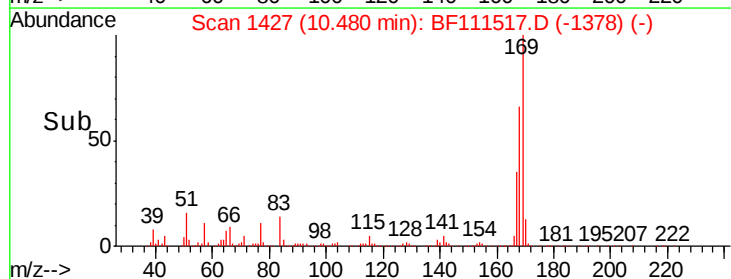
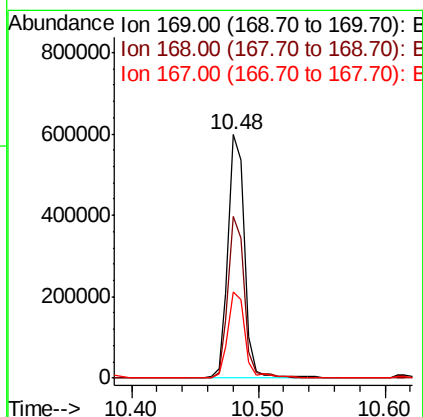
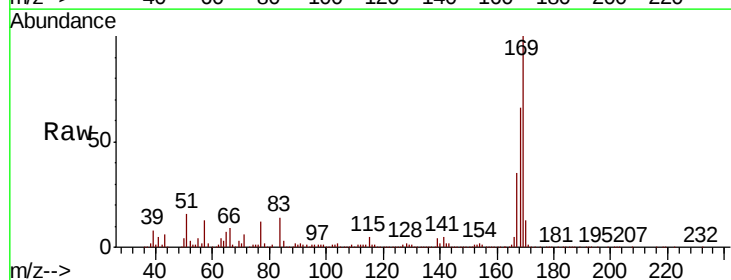
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

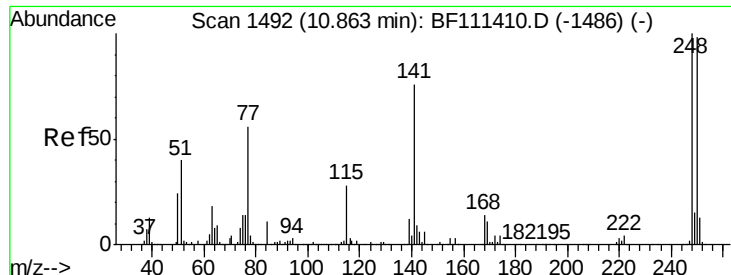
Tgt Ion:188 Resp: 368369
Ion Ratio Lower Upper
188 100
94 10.2 9.6 14.4
80 11.3 9.8 14.6



#66
n-Nitrosodiphenylamine
Concen: 42.047 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:169 Resp: 534123
Ion Ratio Lower Upper
169 100
168 66.3 54.4 81.6
167 35.3 30.5 45.7

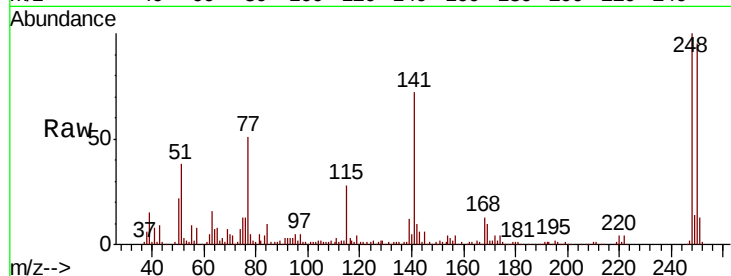




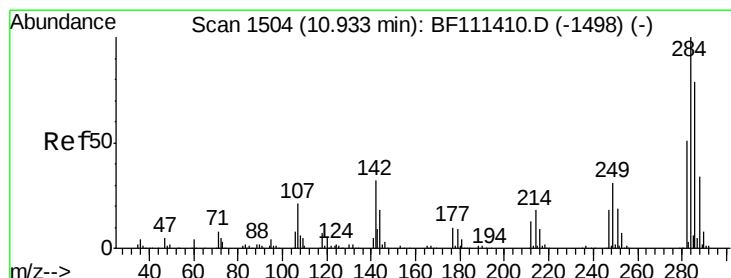
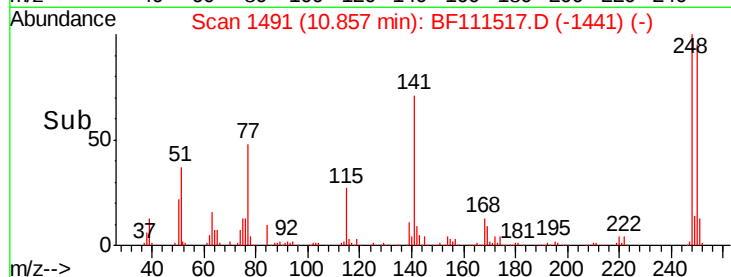
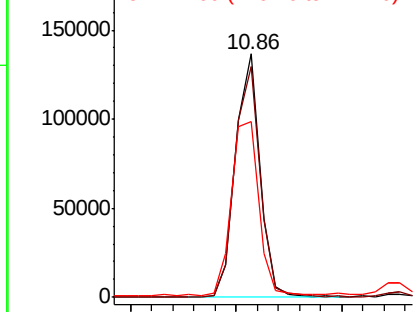
#67
 4-Bromophenyl-phenylether
 Concen: 27.548 ng
 RT: 10.86 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

Tgt Ion: 248 Resp: 109372
 Ion Ratio Lower Upper
 248 100
 250 94.6 77.0 115.4
 141 72.4 63.0 94.6

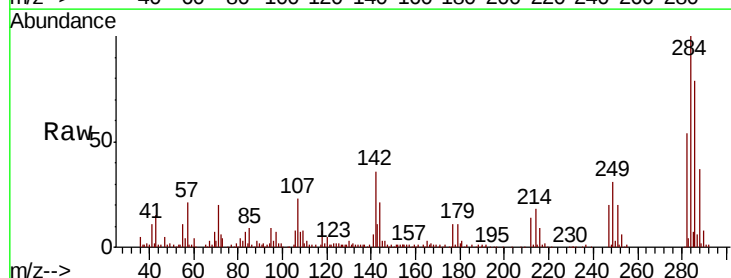


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

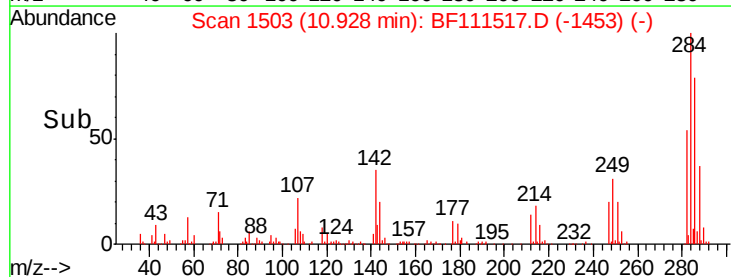
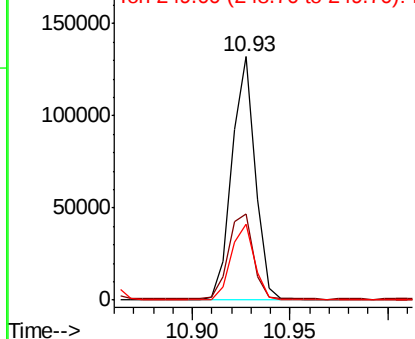


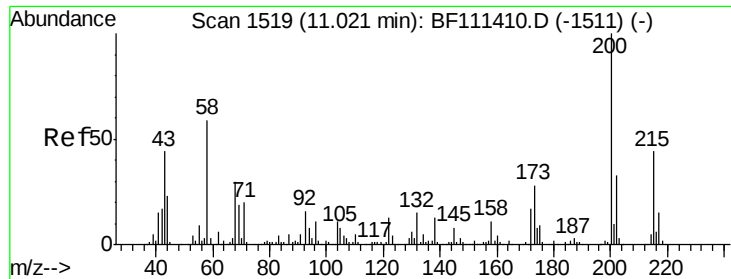
#68
 Hexachlorobenzene
 Concen: 26.897 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion: 284 Resp: 109846
 Ion Ratio Lower Upper
 284 100
 142 35.6 27.4 41.2
 249 31.1 24.4 36.6



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

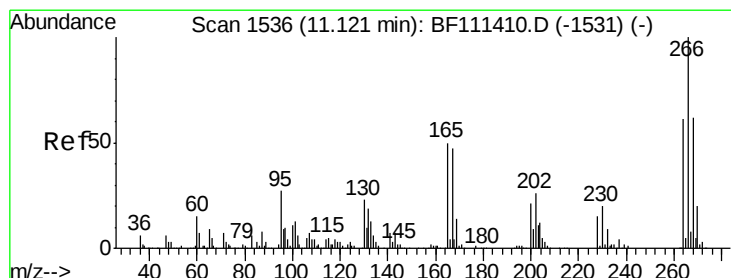
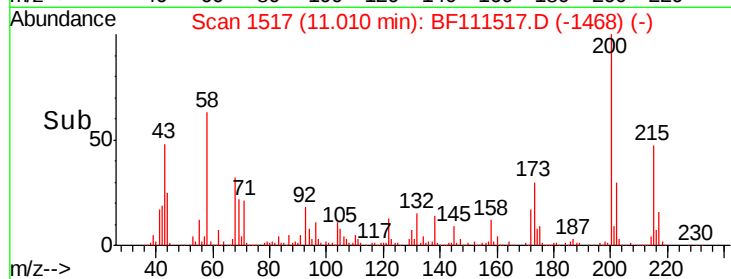
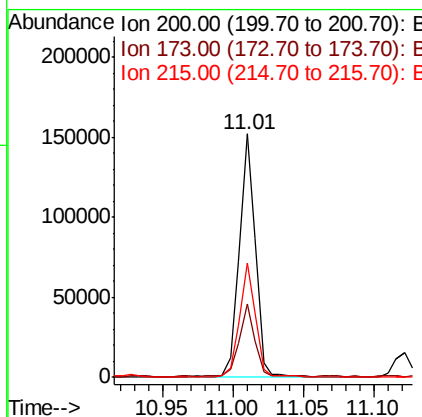
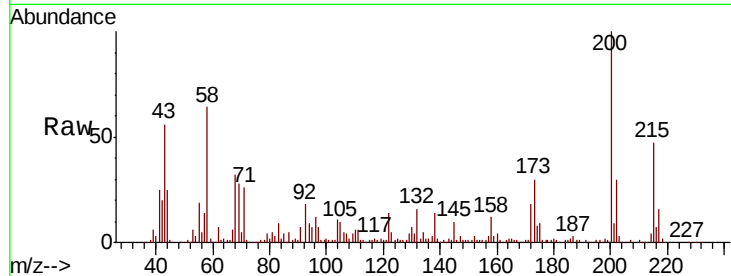




#69
 Atrazine
 Concen: 32.863 ng
 RT: 11.01 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

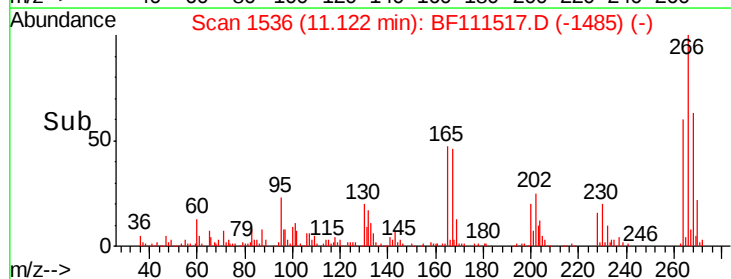
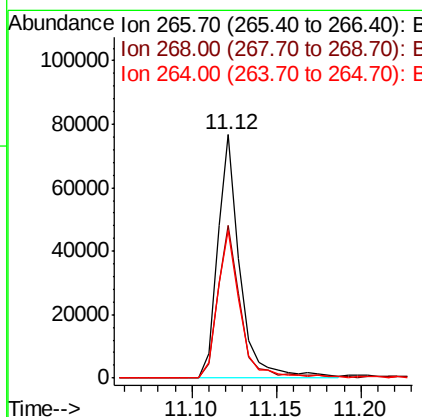
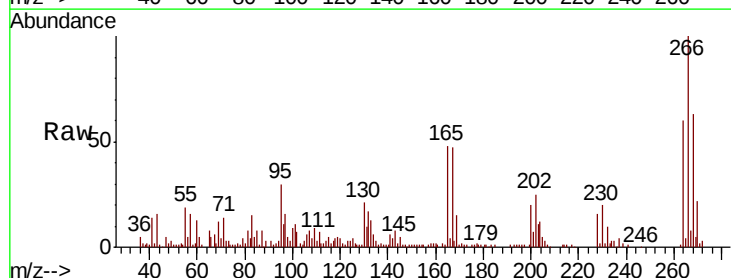
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

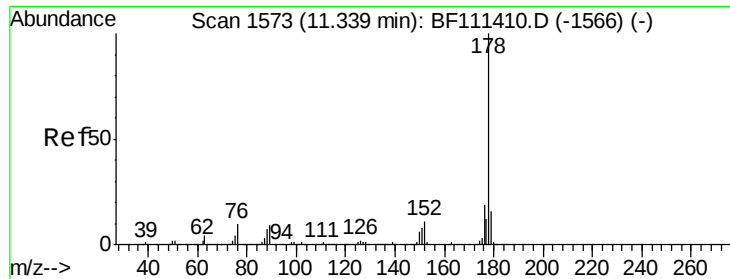
Tgt Ion	Ratio	Lower	Upper
200	100		
173	29.9	10.1	50.1
215	46.9	26.9	66.9



#70
 Pentachlorophenol
 Concen: 28.223 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	47.9	71.9
264	60.4	49.1	73.7

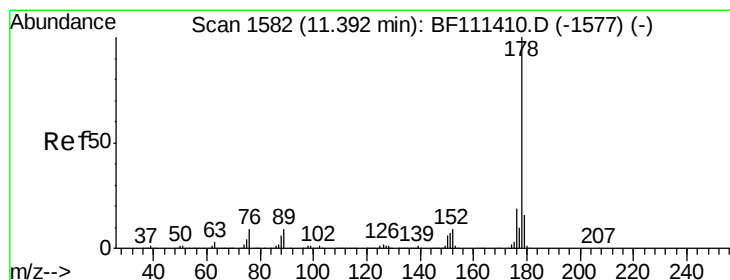
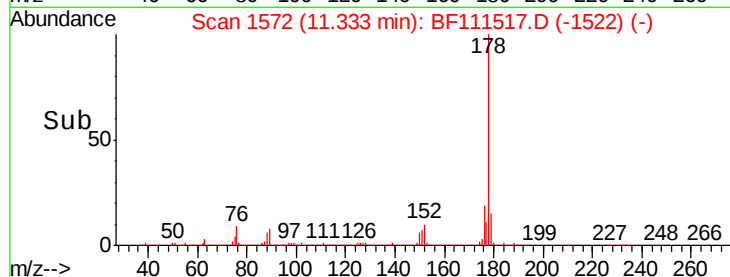
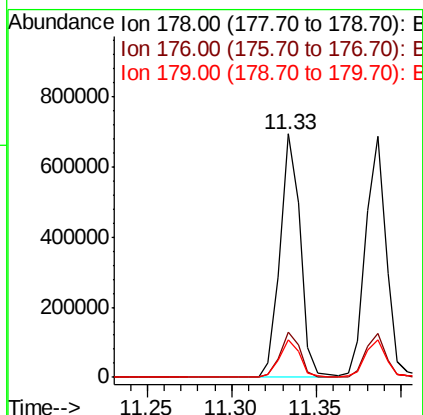
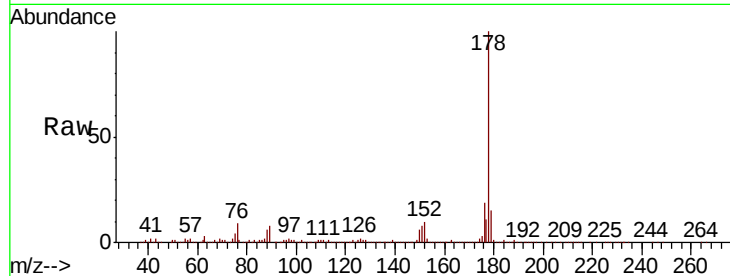




#71
Phenanthrene
Concen: 30.372 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

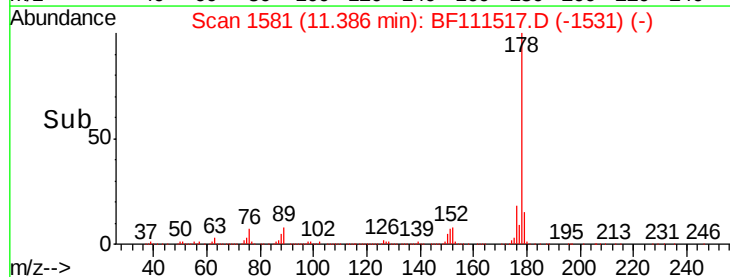
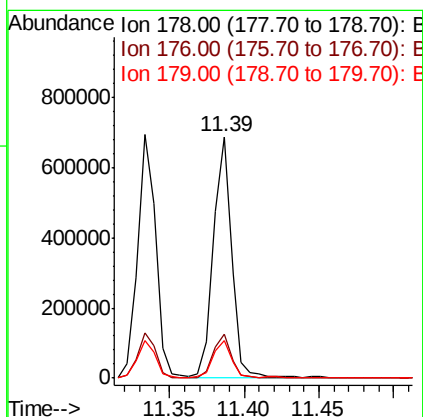
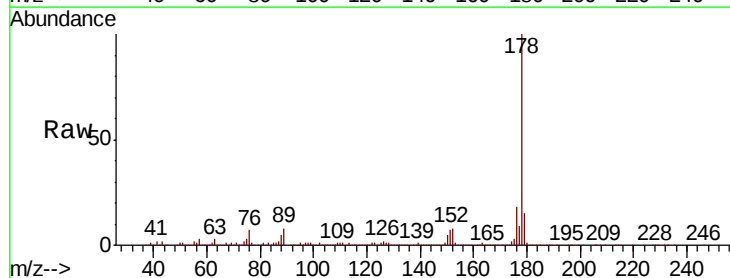
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

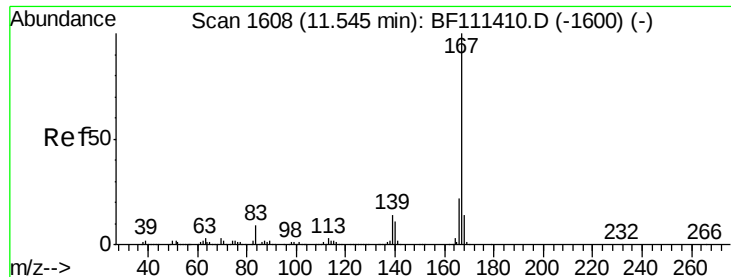
Tgt Ion:178 Resp: 576499
Ion Ratio Lower Upper
178 100
176 18.6 18.1 27.1
179 15.4 14.0 21.0



#72
Anthracene
Concen: 30.037 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion:178 Resp: 583085
Ion Ratio Lower Upper
178 100
176 18.4 17.2 25.8
179 15.5 13.8 20.8

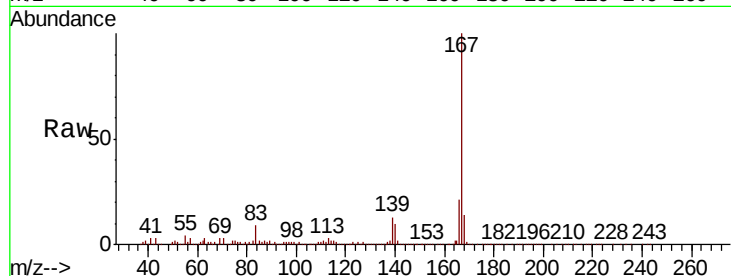




#73
 Carbazole
 Concen: 26.003 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS001-0002-01MSD

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	19.3	28.9
139	12.9	11.9	17.9



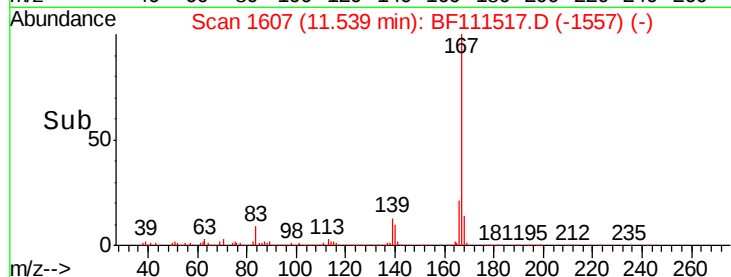
Abundance

Ion 167.00 (166.70 to 167.70): E

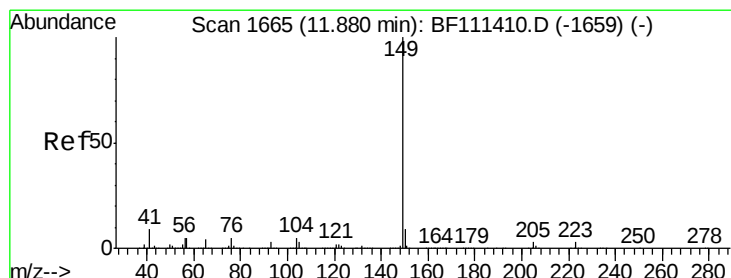
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.54

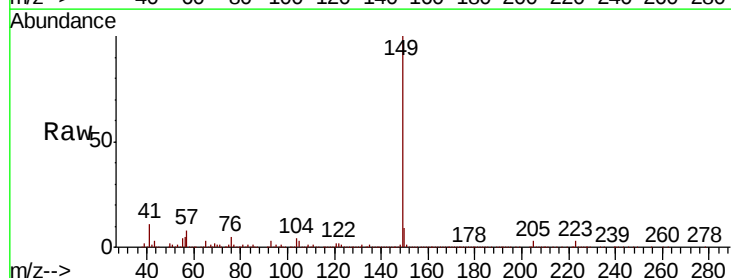


Time-->



#74
 Di-n-butylphthalate
 Concen: 26.807 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF111517.D
 Acq: 16 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	8.8	13.2
104	4.5	4.5	6.7



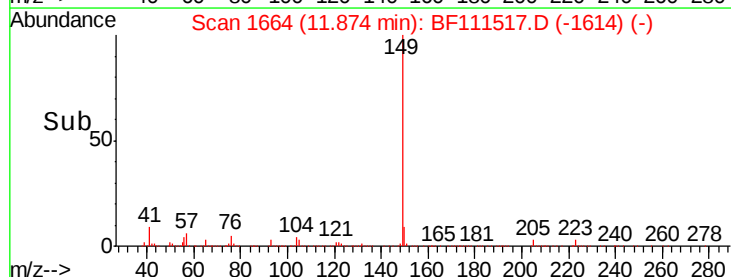
Abundance

Ion 149.00 (148.70 to 149.70): E

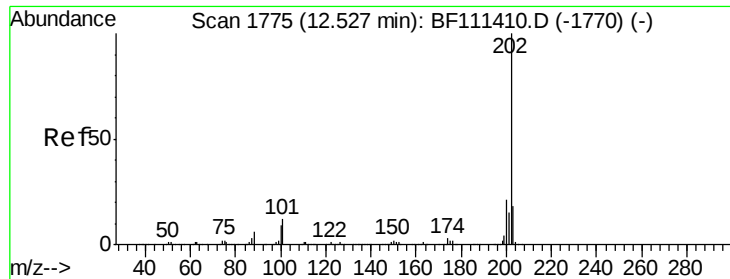
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

11.87



Time-->



#75

Fluoranthene

Concen: 25.358 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

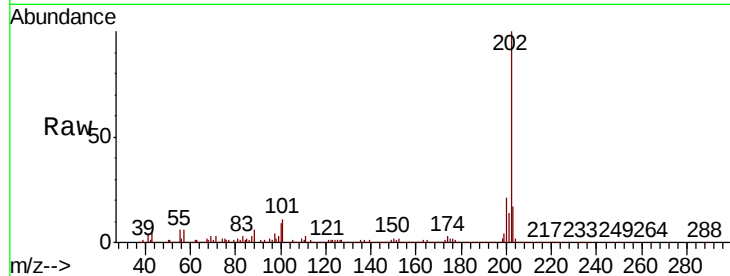
Tgt Ion:202 Resp: 470883

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.8

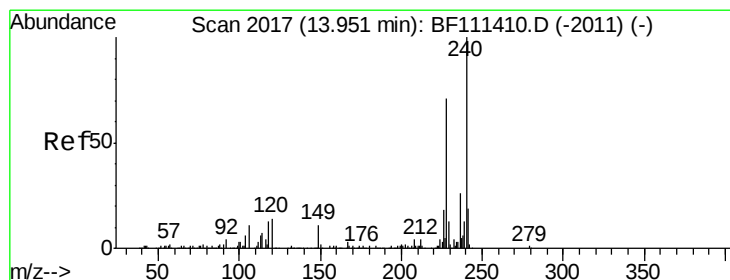
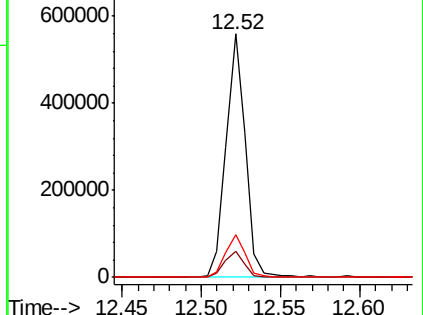
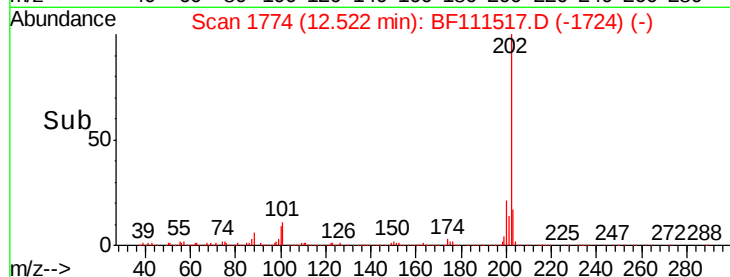
203 17.4 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

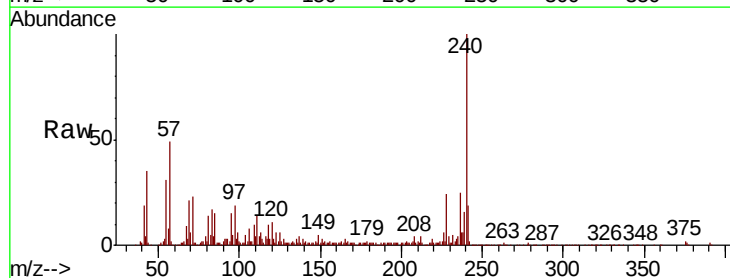
Tgt Ion:240 Resp: 259984

Ion Ratio Lower Upper

240 100

120 11.0 12.2 18.2#

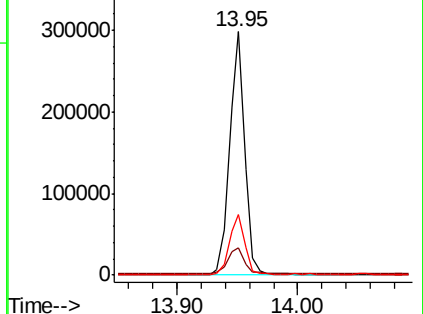
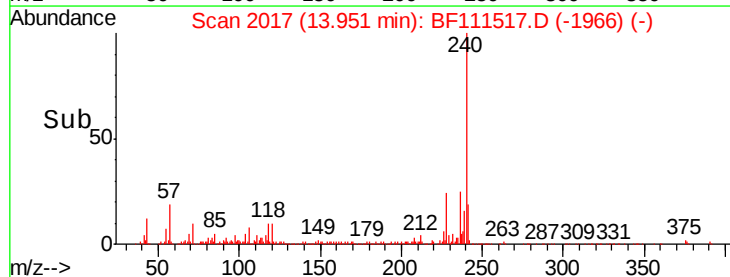
236 24.8 20.2 30.2

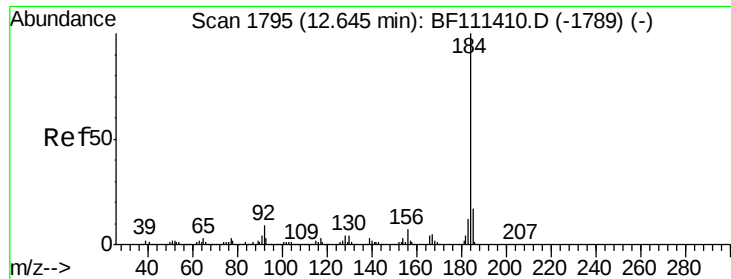


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 15.822 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

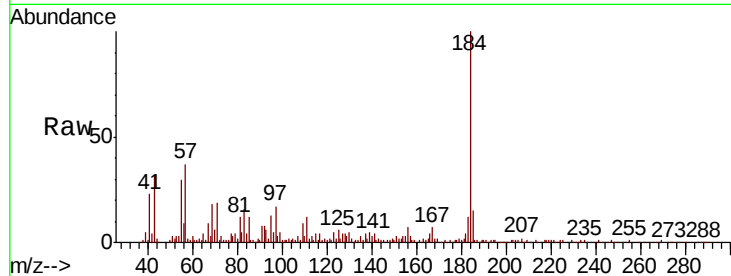
Tgt Ion:184 Resp: 151213

Ion Ratio Lower Upper

184 100

185 14.8 13.0 19.6

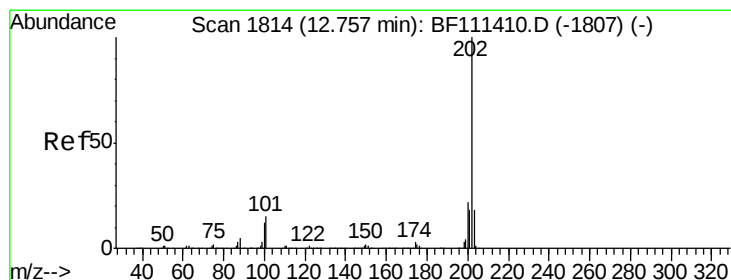
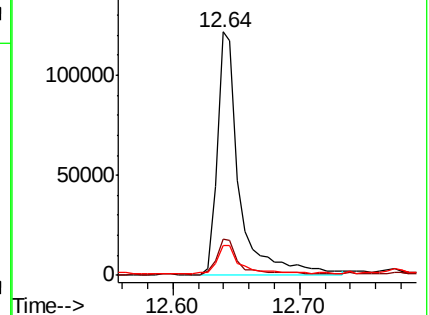
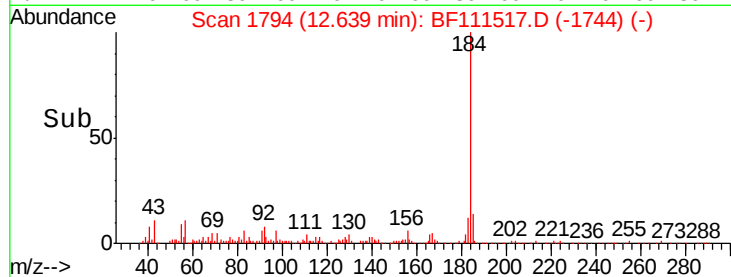
183 12.4 9.3 13.9



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: 25.959 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

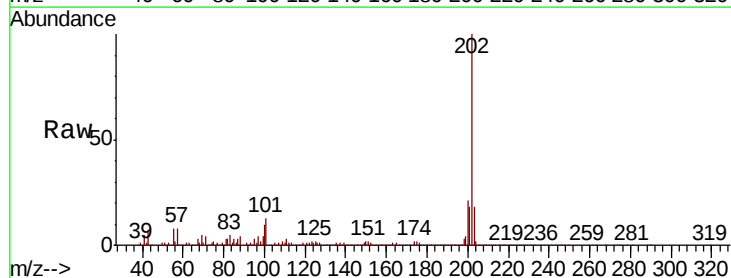
Tgt Ion:202 Resp: 475823

Ion Ratio Lower Upper

202 100

200 20.9 19.0 28.4

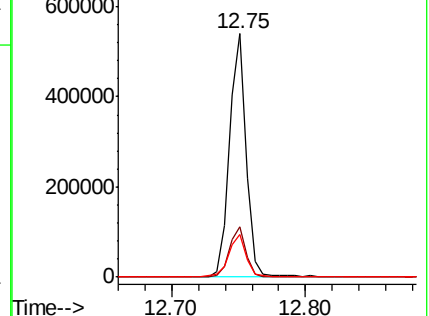
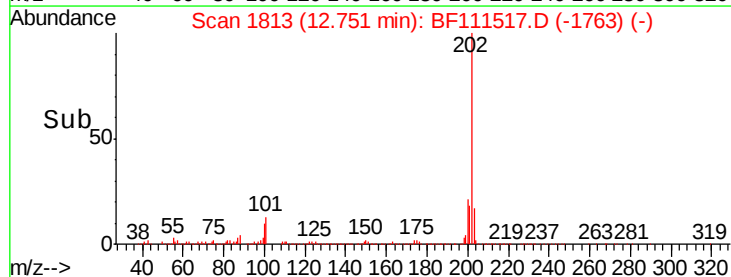
203 17.6 15.2 22.8

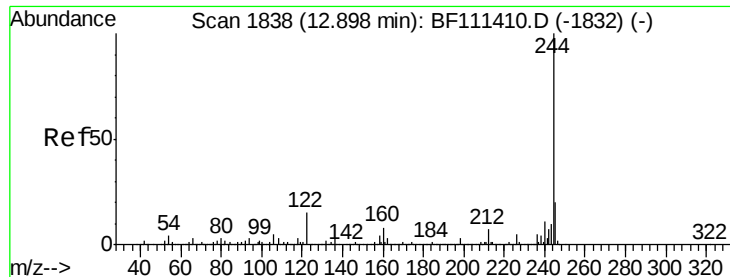


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 55.412 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

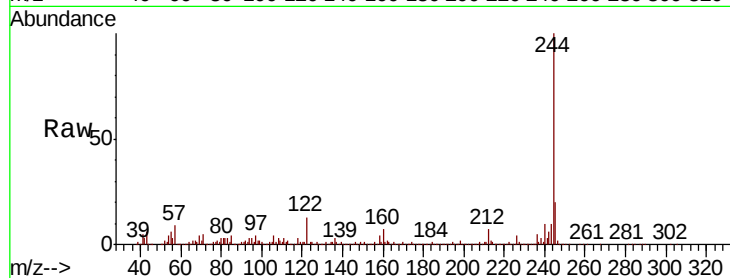
Tgt Ion:244 Resp: 613496

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

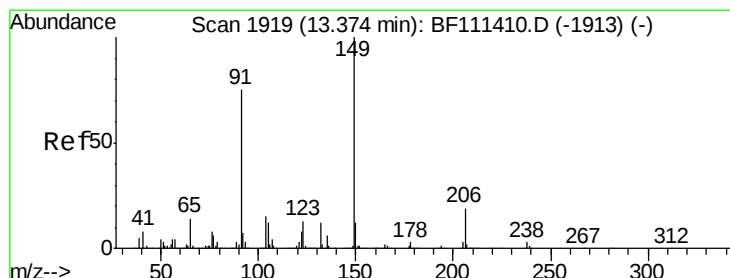
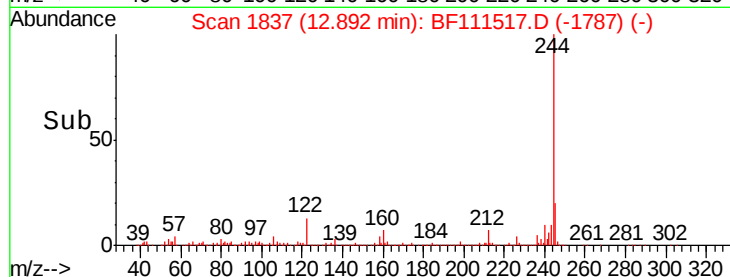
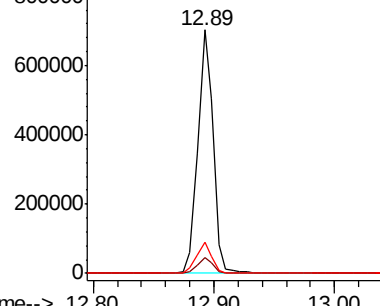
122 12.8 13.1 19.7#



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: 28.144 ng

RT: 13.37 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

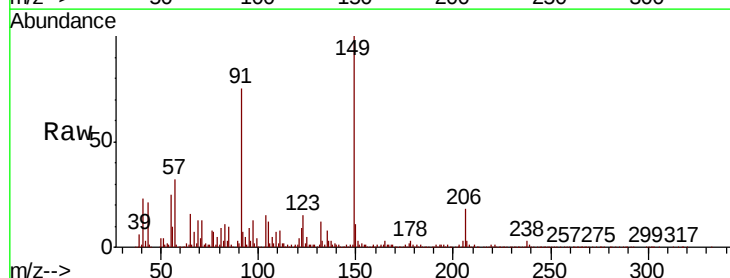
Tgt Ion:149 Resp: 251453

Ion Ratio Lower Upper

149 100

91 74.7 63.8 95.6

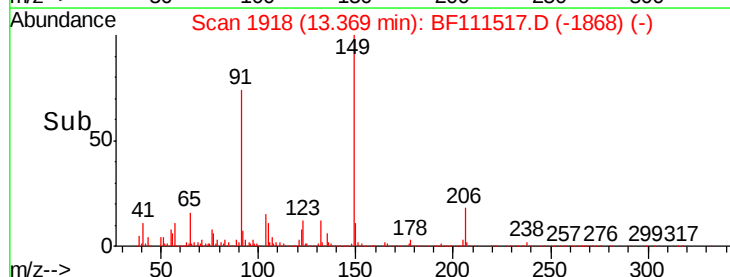
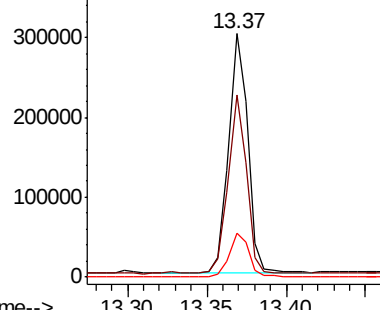
206 18.1 15.1 22.7

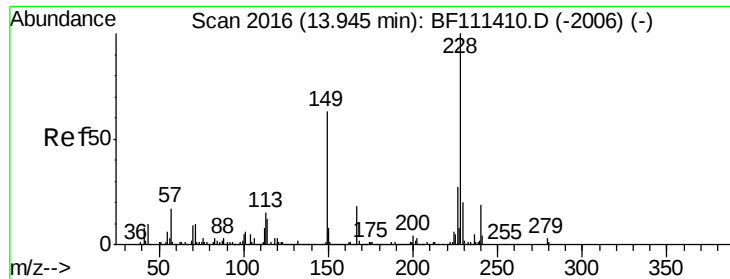


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 29.244 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

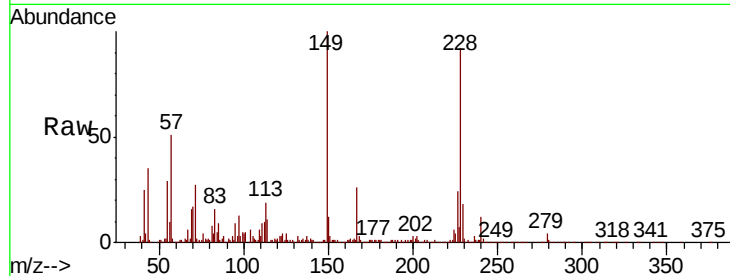
Tgt Ion:228 Resp: 413402

Ion Ratio Lower Upper

228 100

226 26.2 22.6 34.0

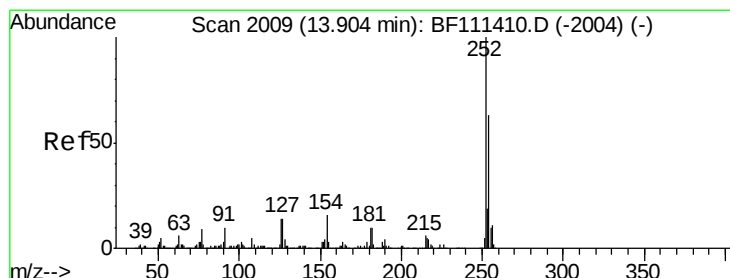
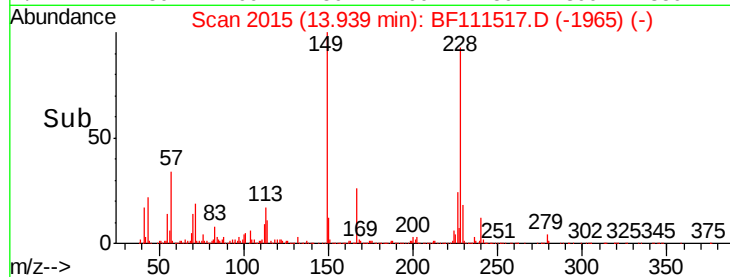
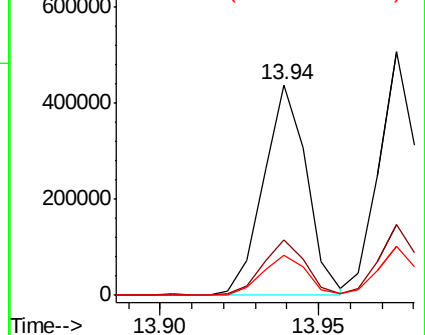
229 19.3 16.3 24.5



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: 21.516 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

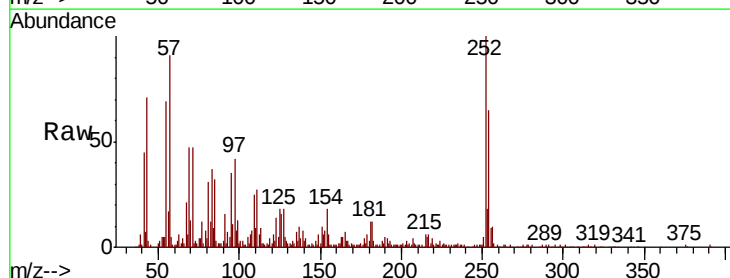
Tgt Ion:252 Resp: 123645

Ion Ratio Lower Upper

252 100

254 65.5 52.7 79.1

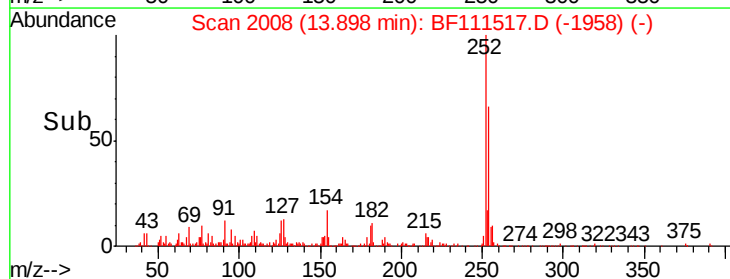
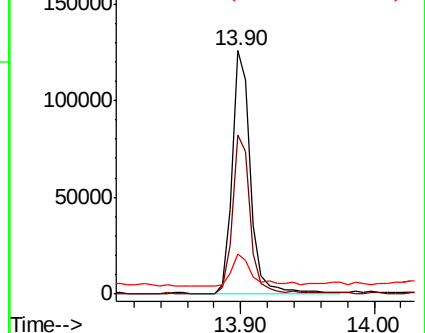
126 16.5 11.1 16.7

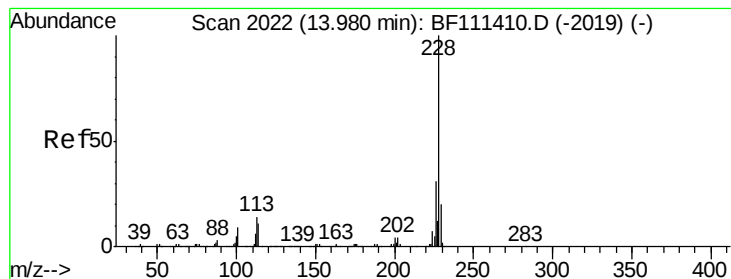


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 28.082 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

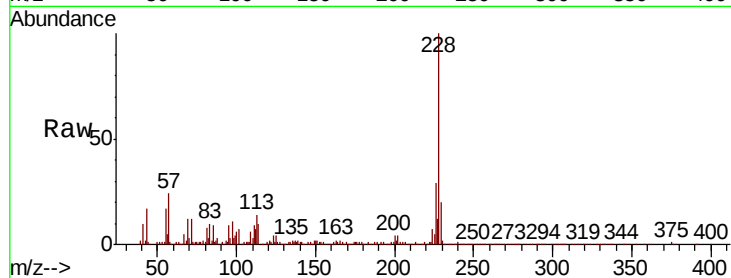
Tgt Ion: 228 Resp: 418187

Ion Ratio Lower Upper

228 100

226 29.0 25.3 37.9

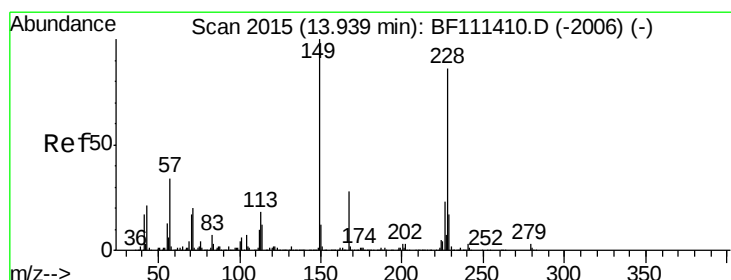
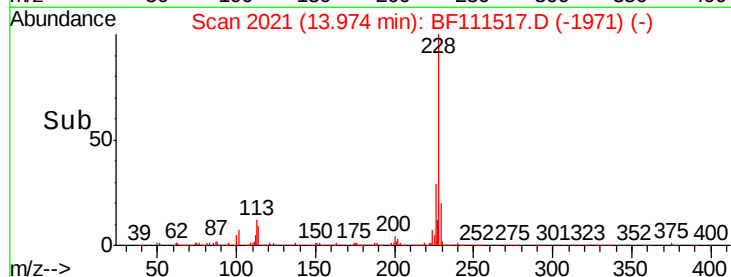
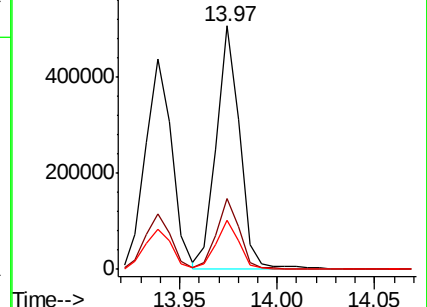
229 20.1 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.078 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

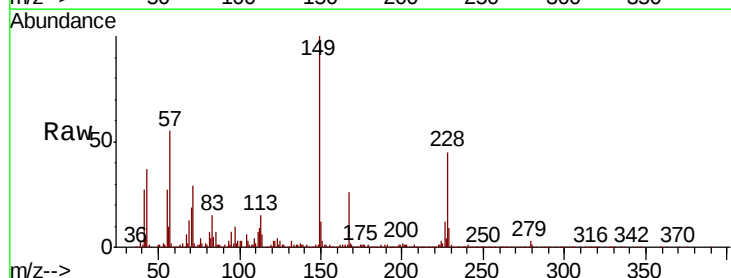
Tgt Ion: 149 Resp: 514410

Ion Ratio Lower Upper

149 100

167 26.0 22.5 33.7

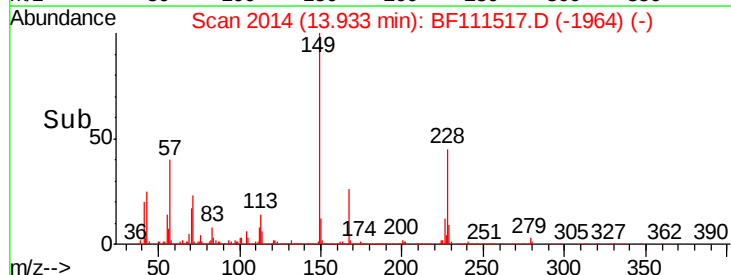
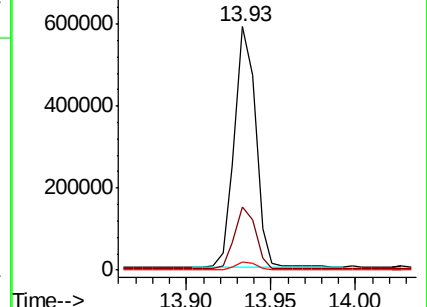
279 3.3 2.6 4.0

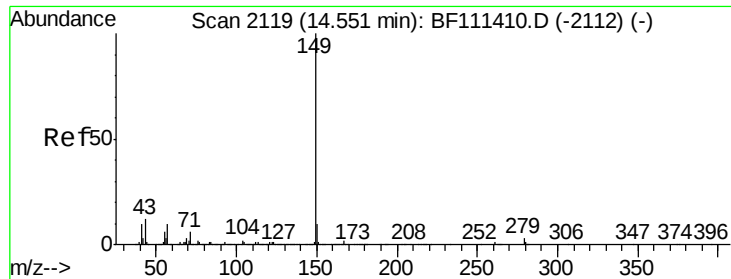


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

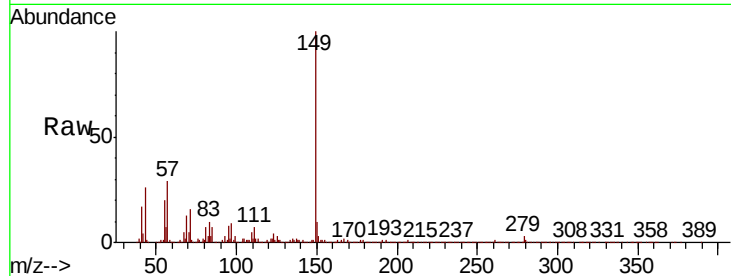




#85
Di-n-octyl phthalate
Concen: 32.820 ng
RT: 14.54 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.3	1.9#
43	19.8	10.9	16.3#

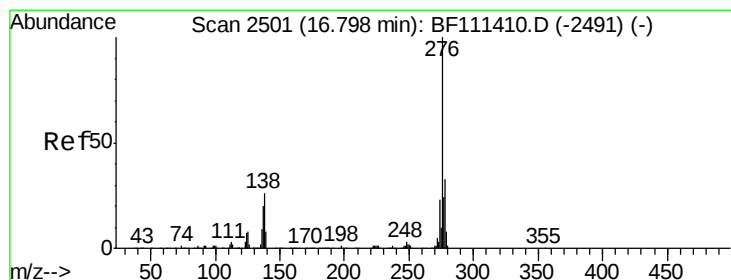
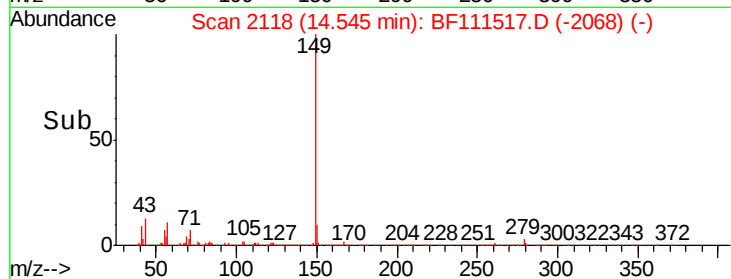
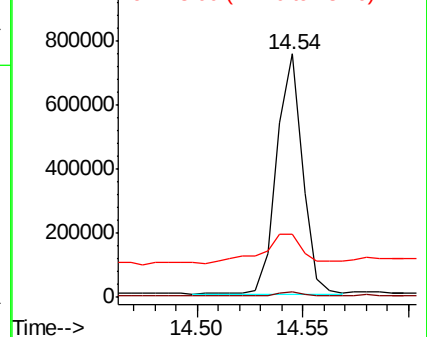


Abundance

Ion 149.00 (148.70 to 149.70): E

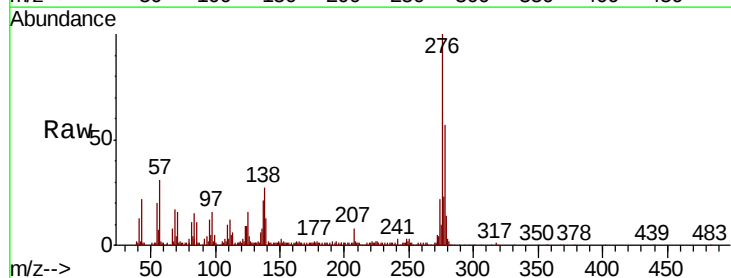
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 25.732 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	27.8	41.6
277	24.4	20.1	30.1

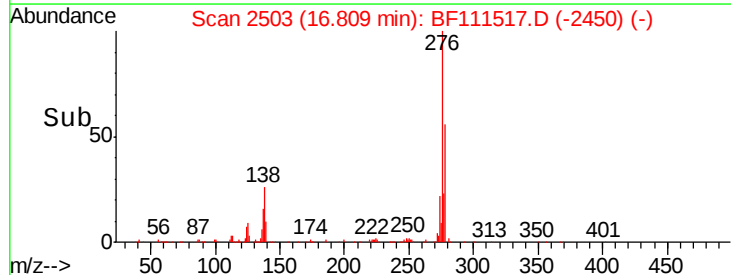
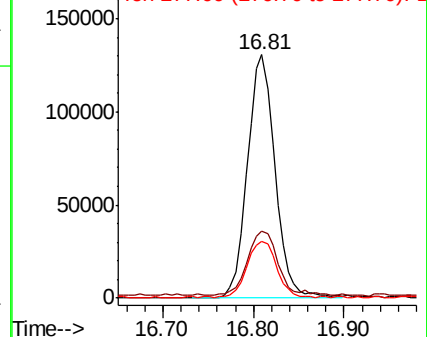


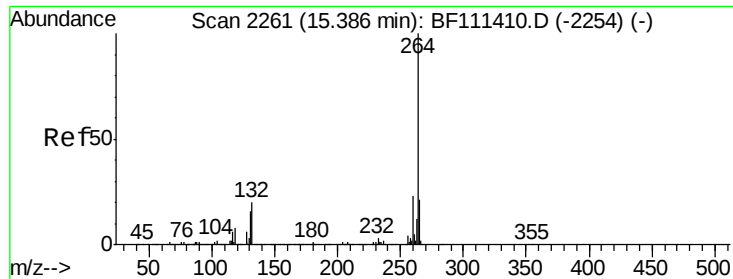
Abundance

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

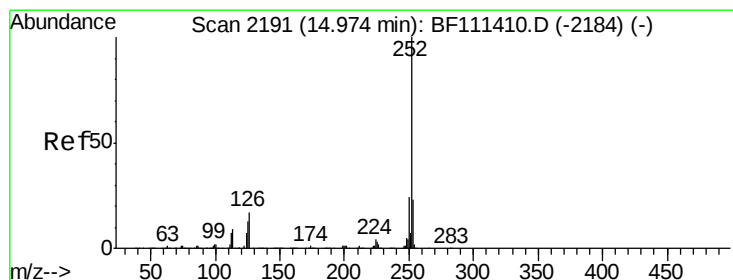
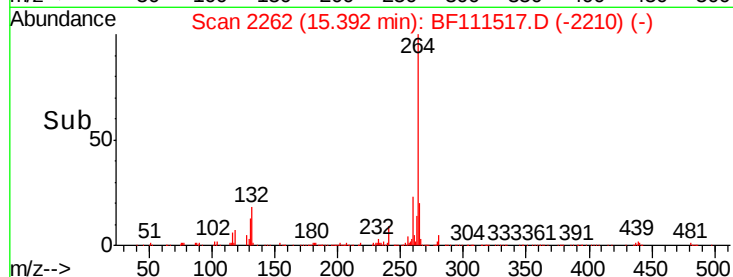
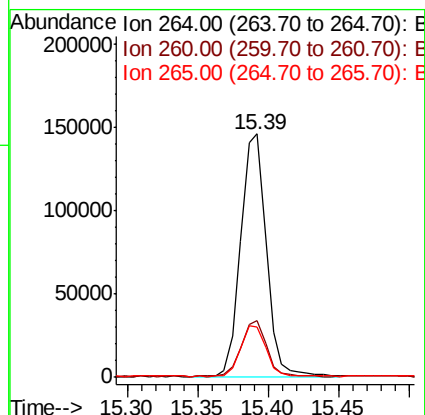
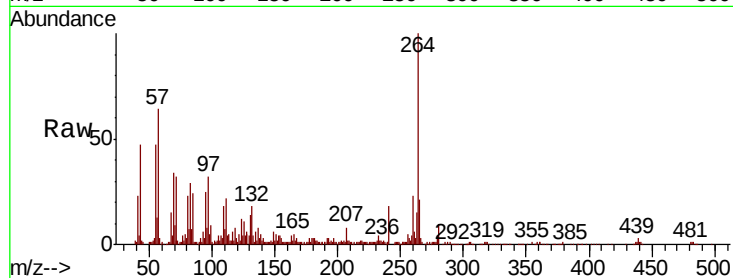




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

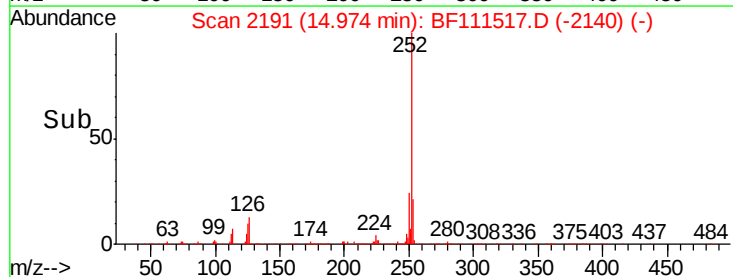
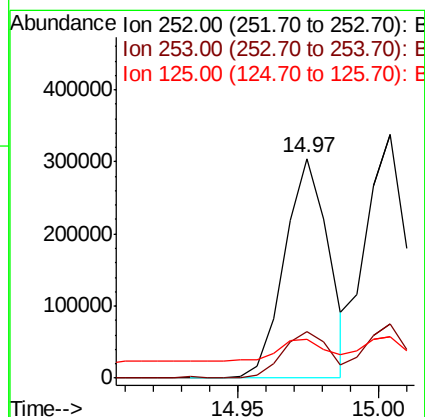
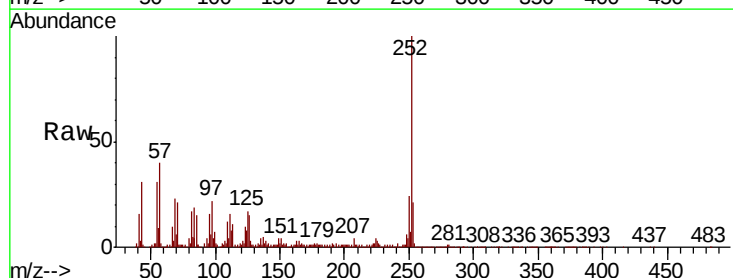
Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

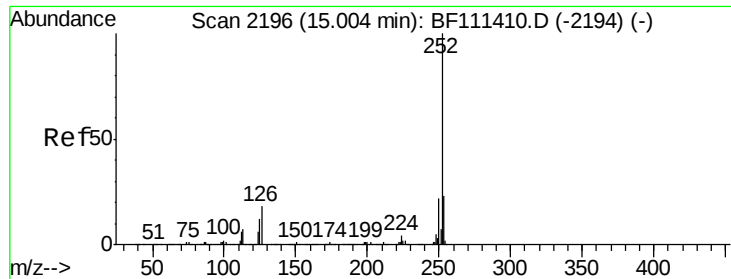
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	20.6	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 30.404 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111517.D
Acq: 16 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	17.5	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 33.130 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

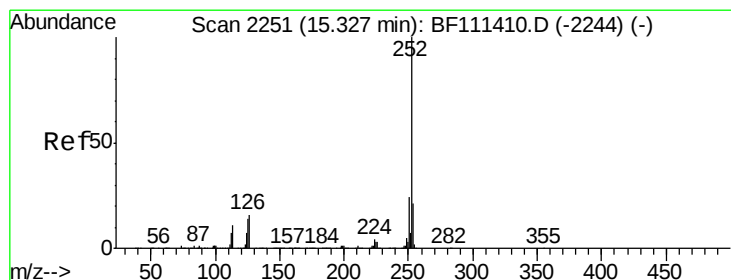
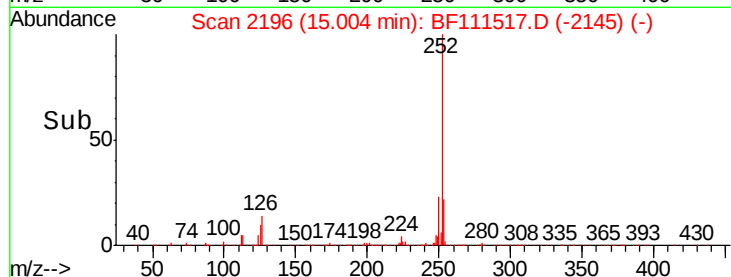
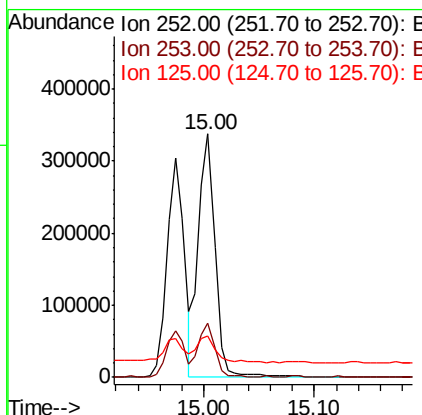
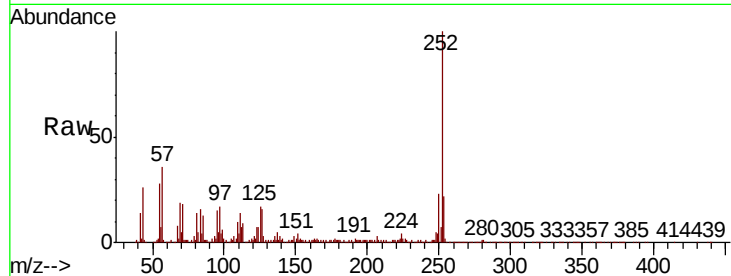
Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :
BNA_F
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion:252 Resp: 343454

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	17.1	9.8	14.8



#90

Benzo(a)pyrene

Concen: 29.679 ng

RT: 15.33 min Scan# 2251

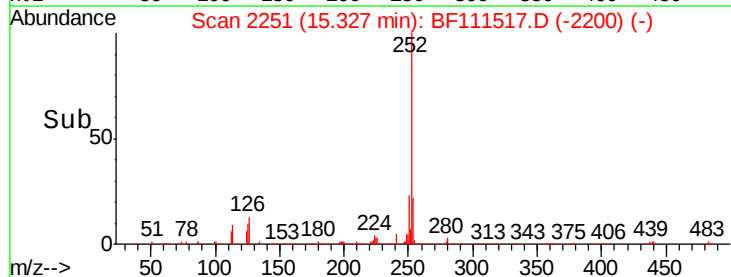
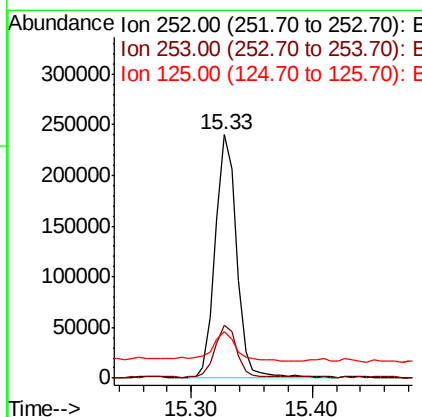
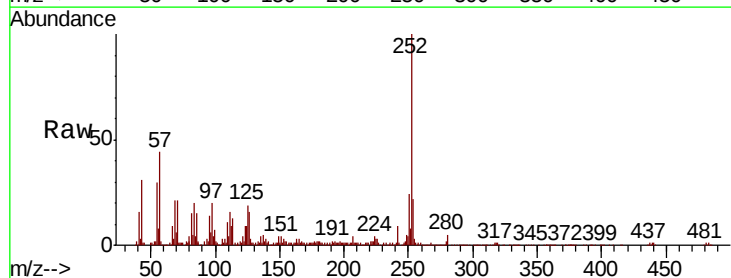
Delta R.T. 0.00 min

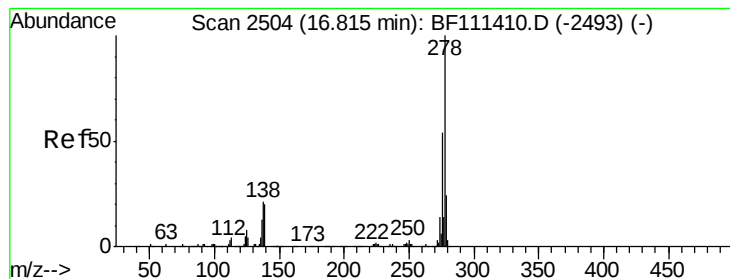
Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Tgt Ion:252 Resp: 290377

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	19.2	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 30.826 ng

RT: 16.82 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

Instrument :

BNA_F

ClientSampleId :

P001-SS001-0002-01MSD

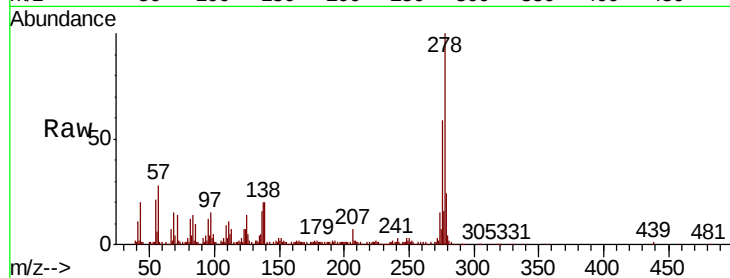
Tgt Ion: 278 Resp: 237908

Ion Ratio Lower Upper

278 100

139 20.4 18.2 27.4

279 23.7 19.0 28.6

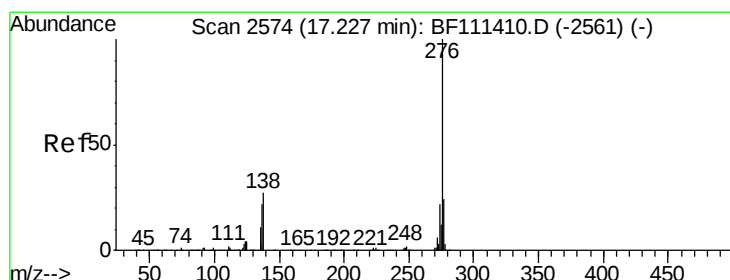
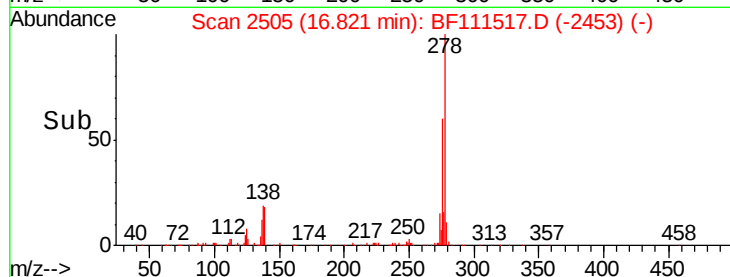
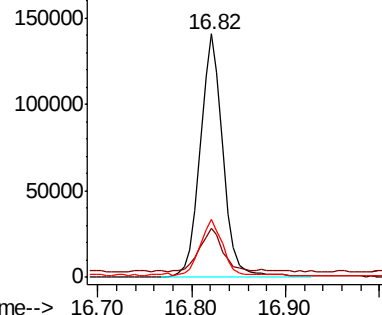


Abundance

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: 29.761 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111517.D

Acq: 16 Dec 2018 19:20

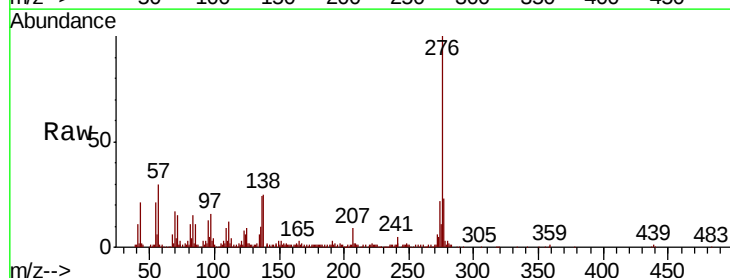
Tgt Ion: 276 Resp: 225455

Ion Ratio Lower Upper

276 100

277 23.4 19.2 28.8

138 24.9 24.9 37.3



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

