

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
 Data File : BF116889.D
 Acq On : 9 Sep 2019 1:02
 Operator : HP/JU
 Sample : K4689-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 02:17:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	79092	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	368983	20.00	ng	0.08
39) Acenaphthene-d10	9.97	164	14579	20.00	ng	0.09
64) Phenanthrene-d10	11.38	188	216944	20.00	ng	0.01
76) Chrysene-d12	14.00	240	151128	20.00	ng	0.00
87) Perylene-d12	15.46	264	173236	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	23359	4.78	ng	-0.02
7) Phenol-d6	6.56	99	256693	40.04	ng	0.08
23) Nitrobenzene-d5	7.45	82	730796	113.07	ng	0.04
42) 2,4,6-Tribromophenol	10.71	330	167380	1717.36	ng	0.04
45) 2-Fluorobiphenyl	9.25	172	772395	893.72	ng	0.04
79) Terphenyl-d14	12.95	244	673138	82.40	ng	0.00
Target Compounds						
3) Pyridine	3.34	79	39486	6.051	ng	Qvalue 94
6) Aniline	6.53	93	633666	71.367	ng	96
9) Benzaldehyde	6.41	77	93370	22.108	ng	# 1
10) Phenol	6.58	94	262714	37.009	ng	85
11) bis(2-Chloroethyl)ether	6.53	93	633666	114.642	ng	# 30
12) 1,3-Dichlorobenzene	6.87	146	29687	4.929	ng	# 93
13) 1,4-Dichlorobenzene	6.87	146	29687	4.951	ng	# 1
15) Benzyl Alcohol	7.04	79	85733	16.475	ng	# 1
17) 2-Methylphenol	7.19	107	792983	169.971	ng	99
18) Hexachloroethane	7.39	117	131811	56.575	ng	# 7
19) n-Nitroso-di-n-propylamine	7.09	70	13195	3.126	ng	# 55
20) 3+4-Methylphenols	7.19	107	792983	146.185	ng	# 65
22) Acetophenone	7.32	105	112099	12.619	ng	# 1
24) Nitrobenzene	7.52	77	603080	91.742	ng	# 50
25) Isophorone	7.90	82	193941	14.808	ng	# 1
27) 2,4-Dimethylphenol	7.92	122	3249997	658.453	ng	95
28) bis(2-Chloroethoxy)methane	7.91	93	344411	43.032	ng	# 1
31) Naphthalene	8.20	128	12838381	731.719	ng	# 92
32) Benzoic acid	7.92	122	3249997	1166.150	ng	# 18
33) 4-Chloroaniline	8.27	127	2737209	342.721	ng	# 34
35) Caprolactam	8.84	113	4057	2.285	ng	# 1
36) 4-Chloro-3-methylphenol	8.75	107	731975	134.263	ng	# 23
37) 2-Methylnaphthalene	9.03	142	4031133	345.310	ng	99
38) 1-Methylnaphthalene	9.03	142	4031133	365.796	ng	99
46) 1,1'-Biphenyl	9.35	154	1011014	913.894	ng	97
47) 2-Chloronaphthalene	9.43	162	50379	57.496	ng	# 1
48) 2-Nitroaniline	9.53	65	244164	963.880	ng	# 24
49) Acenaphthylene	9.82	152	28660	21.638	ng	# 6
50) Dimethylphthalate	9.70	163	53334	52.988	ng	# 1
51) 2,6-Dinitrotoluene	9.79	165	2414	12.570	ng	# 1
52) Acenaphthene	9.96	154	925648	1137.411	ng	99
53) 3-Nitroaniline	9.90	138	2347	9.752	ng	# 1
54) 2,4-Dinitrophenol	10.08	184	53245	702.135	ng	# 1
55) Dibenzofuran	10.13	168	928019	808.906	ng	98

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 Misc :
 ALS Vial : 9 Sample Multiplier: 1

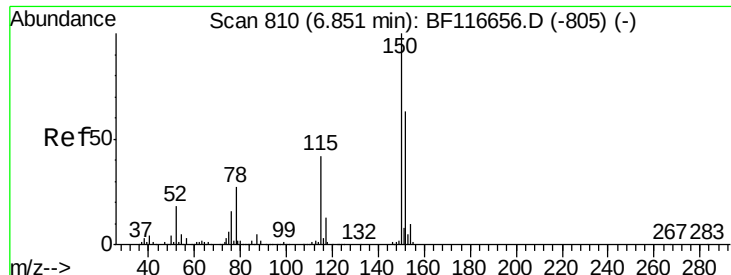
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 02:17:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

56) 4-Nitrophenol	10.07	139	108317	656.398	nq	# 35
57) 2,4-Dinitrotoluene	10.22	165	10991	46.807	nq	# 57
58) Fluorene	10.52	166	25489	29.158	nq	# 1
60) Diethylphthalate	10.39	149	17555	17.412	nq	# 93
61) 4-Chlorophenyl-phenylether	10.50	204	892	2.330	nq	# 1
62) 4-Nitroaniline	10.52	138	1442	6.174	nq	# 1
63) Azobenzene	10.69	77	160903	153.050	nq	# 63
65) 4,6-Dinitro-2-methylphenol	10.49	198	1080	8.593	nq	# 1
66) n-Nitrosodiphenylamine	10.33	169	30989	4.129	nq	90
67) 4-Bromophenyl-phenylether	10.71	248	10661	4.837	nq	# 1
69) Atrazine	11.04	200	5737	2.729	nq	# 1
71) Phenanthrene	11.40	178	178787	14.805	nq	97
72) Anthracene	11.40	178	178787	14.707	nq	98
73) Carbazole	11.62	167	347425	30.002	nq	98

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

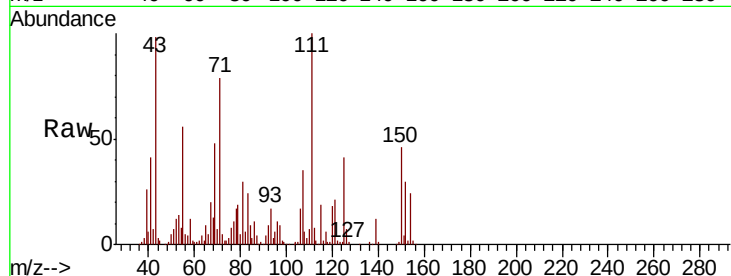


#1

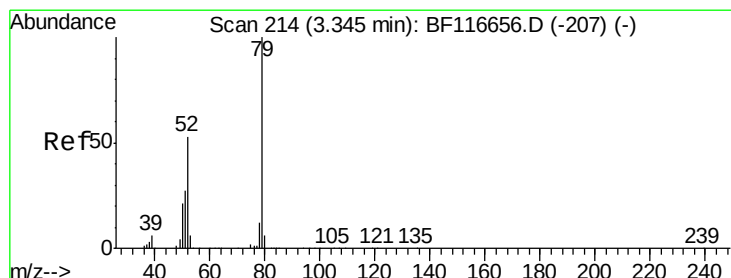
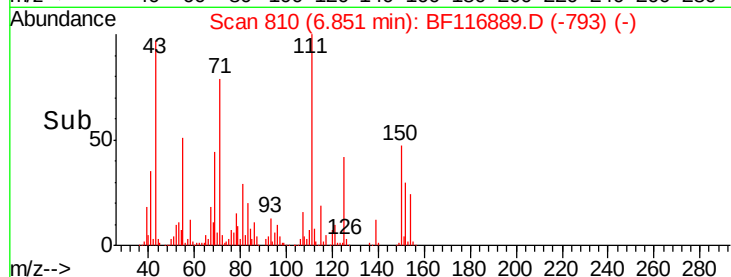
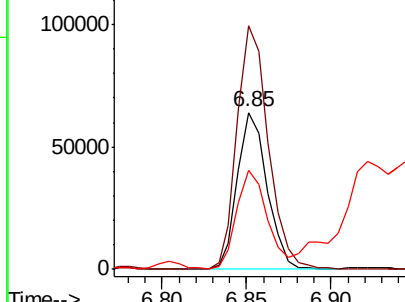
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.4	186.6
115	63.4	49.9	74.9



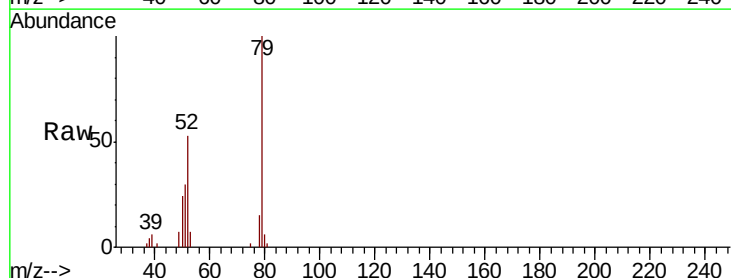
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



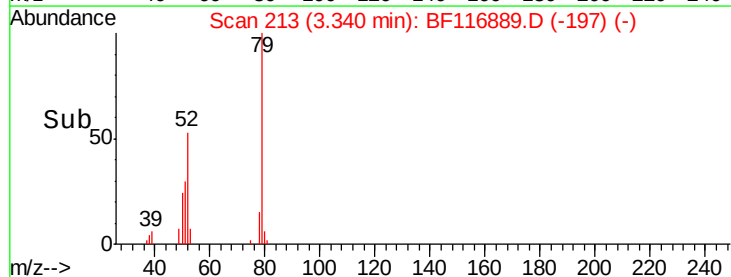
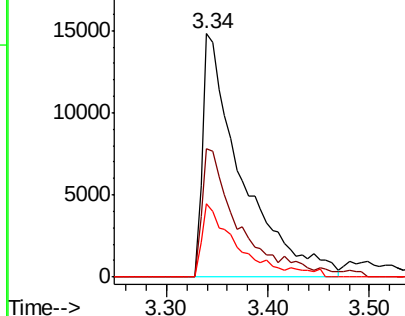
#3

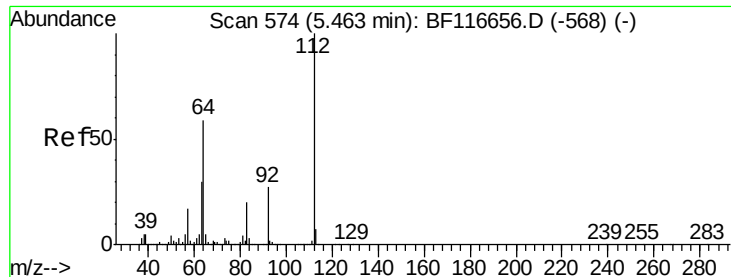
Pyridine
Concen: 6.051 ng
RT: 3.34 min Scan# 213
Delta R.T. -0.01 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
79	100		
52	52.9	47.4	71.0
51	30.2	24.1	36.1



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





#5

2-Fluorophenol

Concen: 4.785 ng

RT: 5.45 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

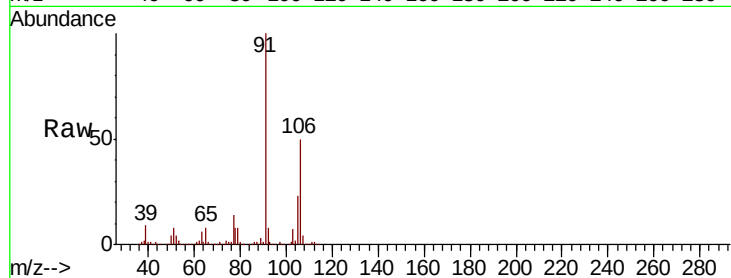
Tot Ion: 112 Resp: 23359

Ion Ratio Lower Upper

112 100

64 137.3 47.1 70.7#

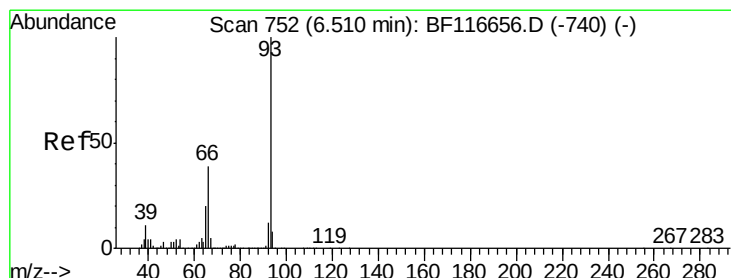
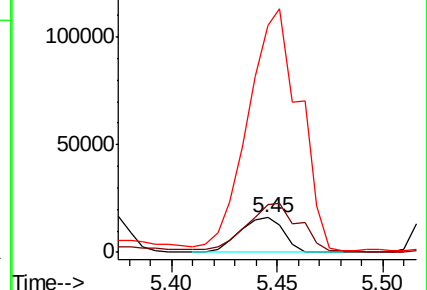
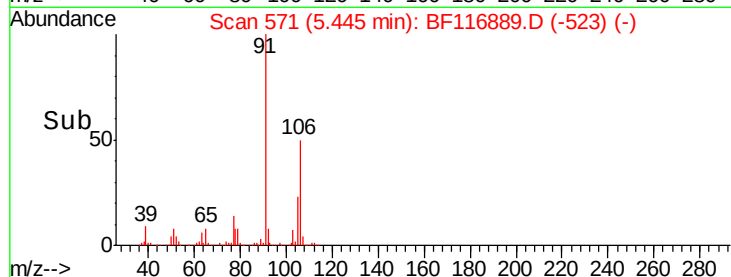
63 659.0 24.9 37.3#



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: 71.367 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.02 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

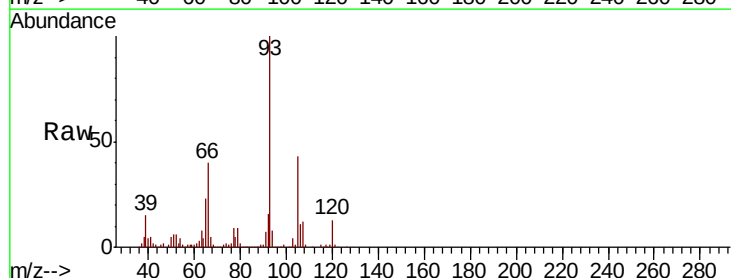
Tgt Ion: 93 Resp: 633666

Ion Ratio Lower Upper

93 100

66 39.6 32.7 49.1

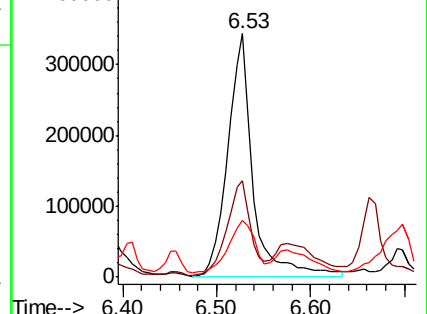
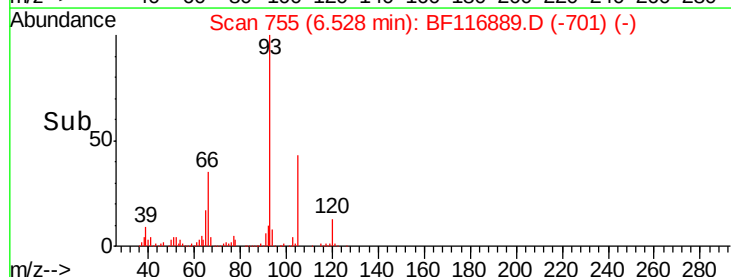
65 23.4 16.3 24.5

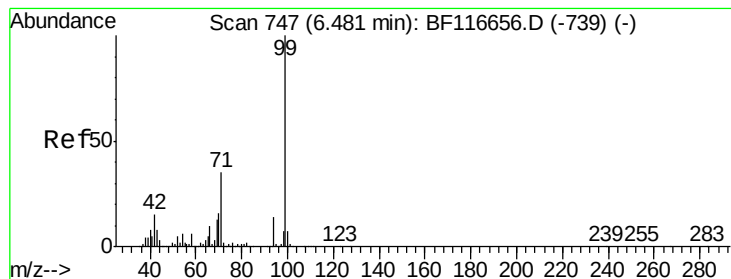


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 40.042 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.08 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampled :

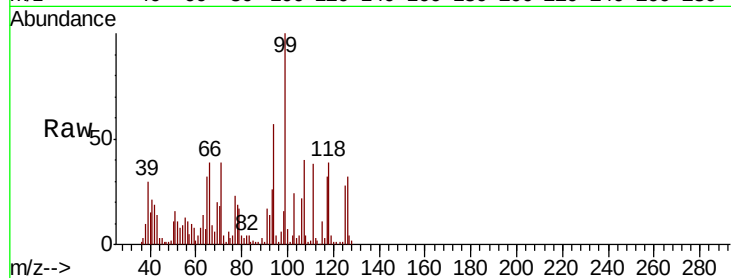
Tot Ion: 99 Resp: 256693

Ion Ratio Lower Upper

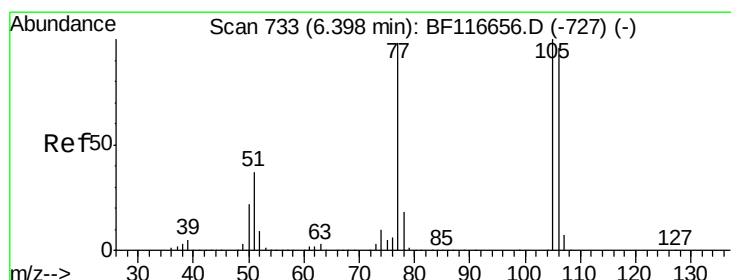
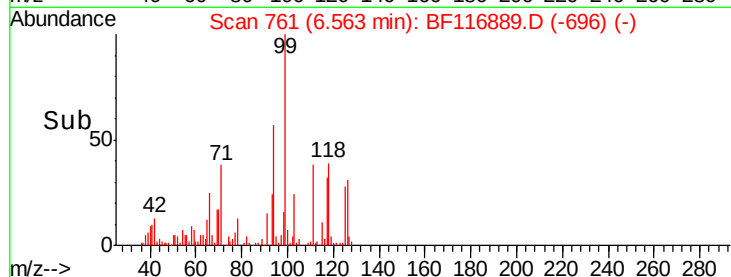
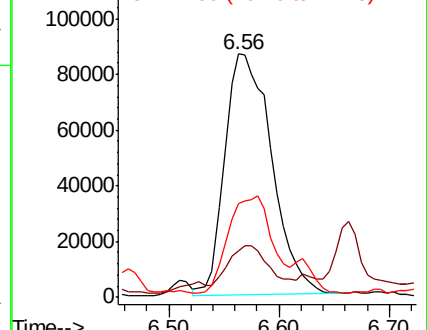
99 100

42 19.2 13.7 20.5

71 38.7 30.8 46.2



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



#9

Benzaldehyde

Concen: 22.108 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

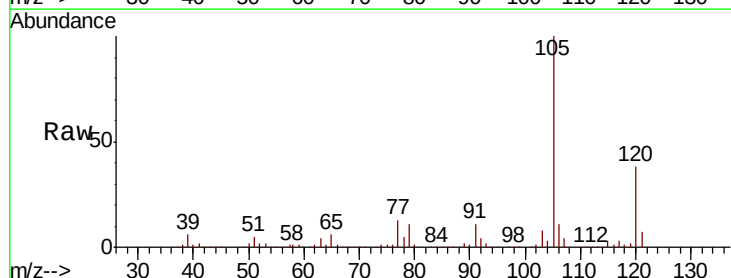
Tgt Ion: 77 Resp: 93370

Ion Ratio Lower Upper

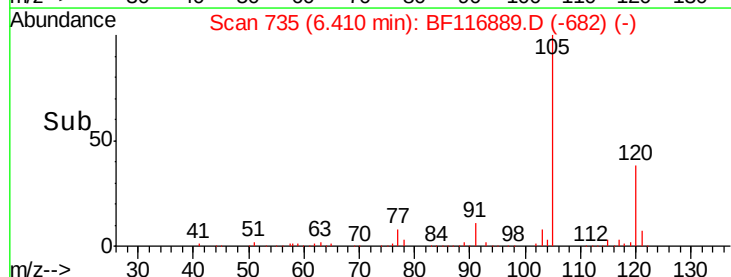
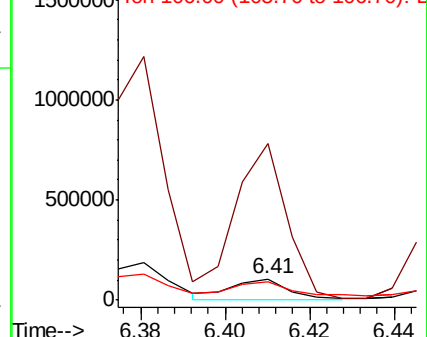
77 100

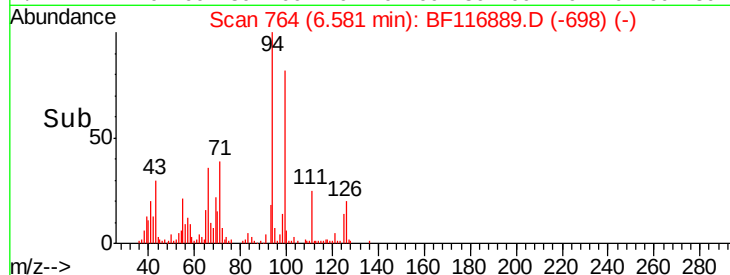
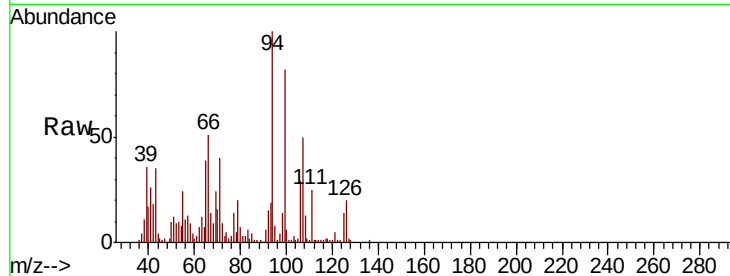
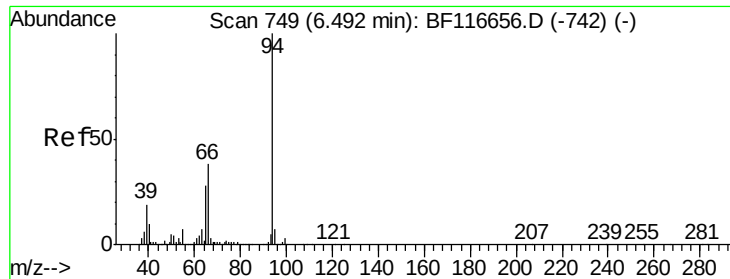
105 748.2 76.7 116.7#

106 85.6 73.1 113.1



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: 37.009 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.09 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

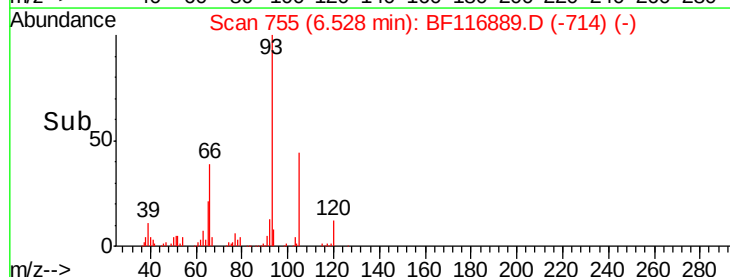
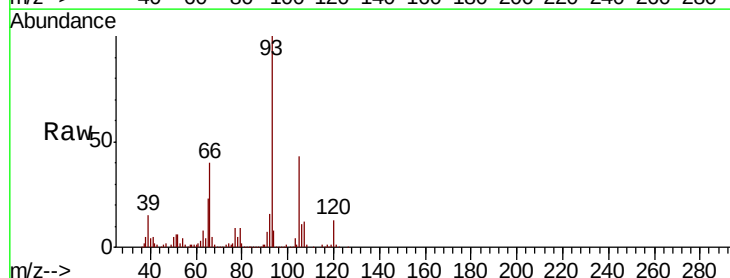
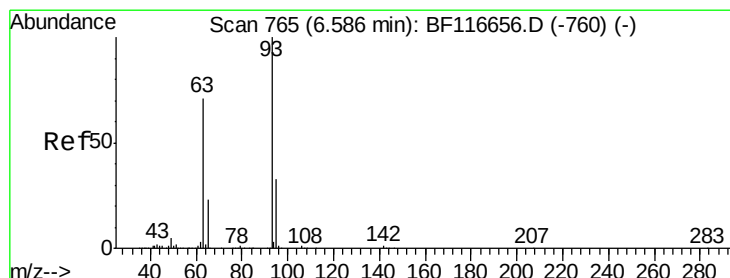
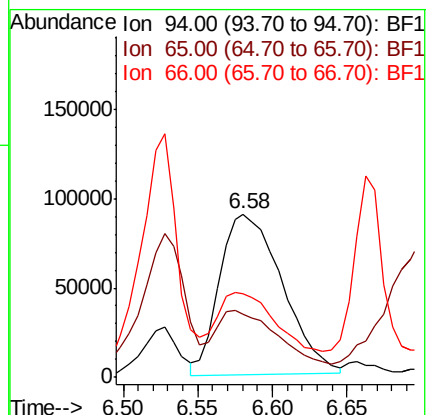
Tot Ion: 94 Resp: 262714

Ion Ratio Lower Upper

94 100

65 38.8 10.8 50.8

66 51.0 21.1 61.1



#11

bis(2-Chloroethyl)ether

Concen: 114.642 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.06 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

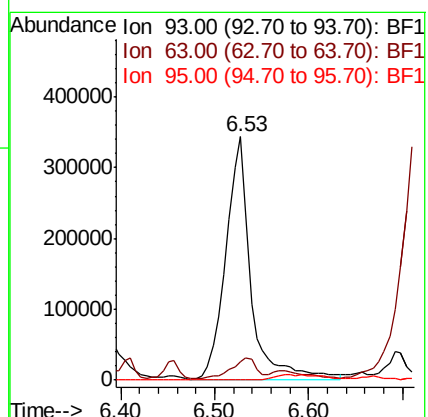
Tgt Ion: 93 Resp: 633666

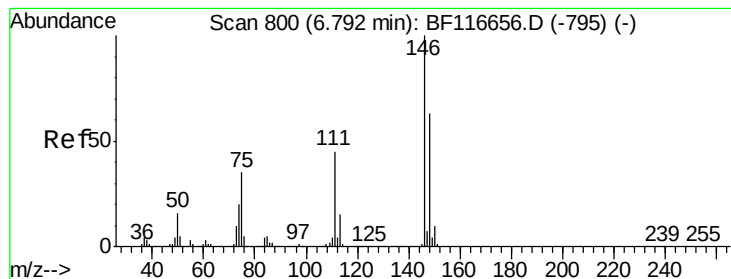
Ion Ratio Lower Upper

93 100

63 7.6 49.9 89.9#

95 0.4 12.7 52.7#





#12

1,3-Dichlorobenzene

Concen: 4.929 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.08 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampled :

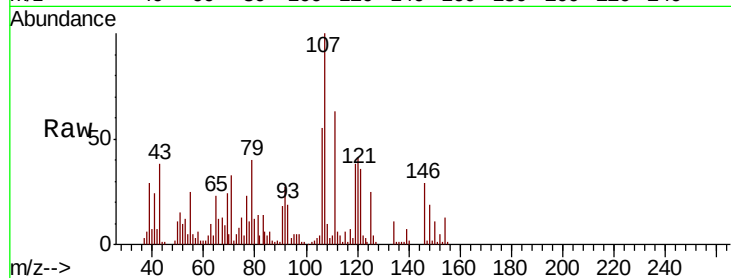
Tot Ion:146 Resp: 29687

Ion Ratio Lower Upper

146 100

148 66.8 51.4 77.0

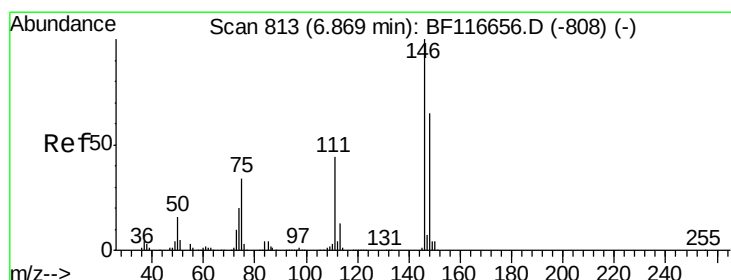
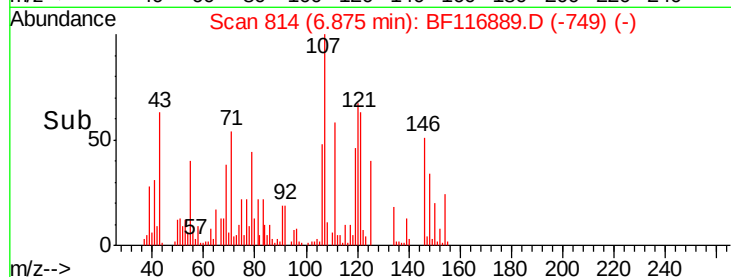
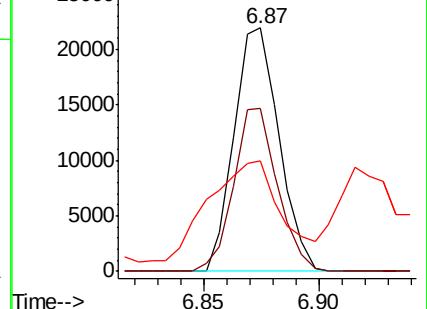
75 45.6 29.6 44.4#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 4.951 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

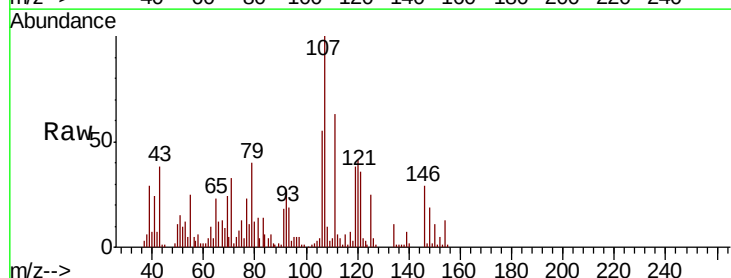
Tgt Ion:146 Resp: 29687

Ion Ratio Lower Upper

146 100

148 66.8 51.4 77.2

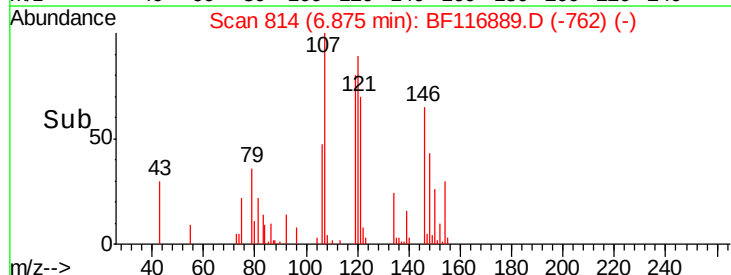
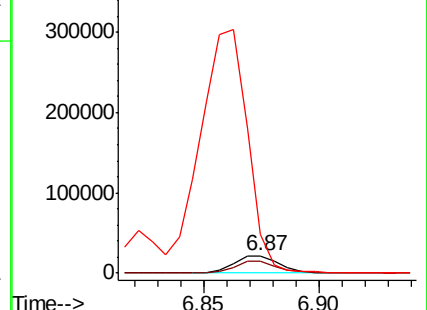
111 220.1 34.8 52.2#

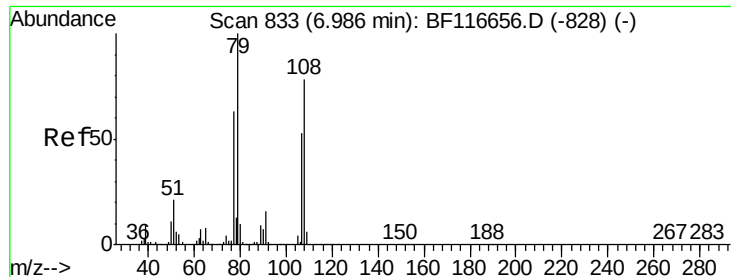


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 16.475 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.05 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

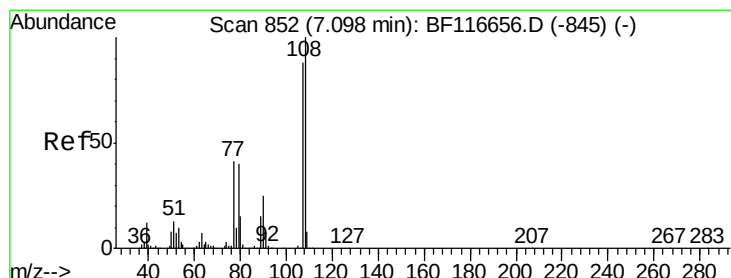
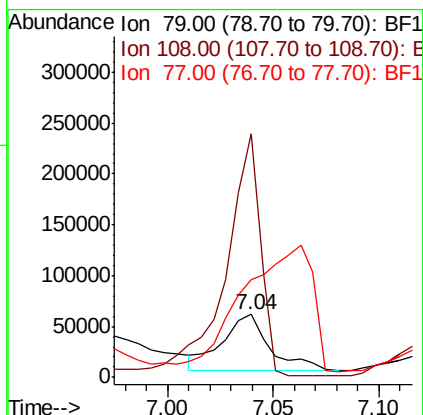
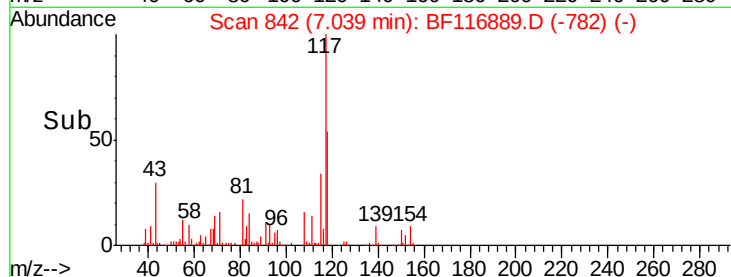
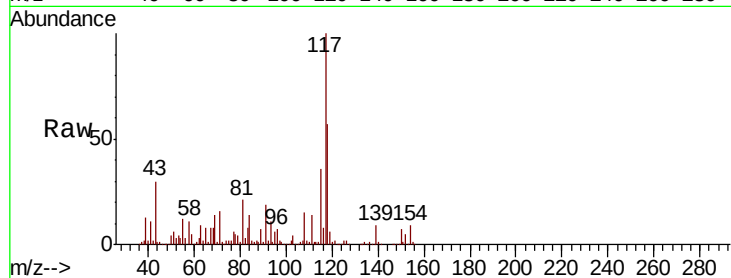
Tot Ion: 79 Resp: 85733

Ion Ratio Lower Upper

79 100

108 388.3 59.2 88.8#

77 156.4 53.0 79.4#



#17

2-Methylphenol

Concen: 169.971 ng

RT: 7.19 min Scan# 868

Delta R.T. 0.09 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Tgt Ion: 107 Resp: 792983

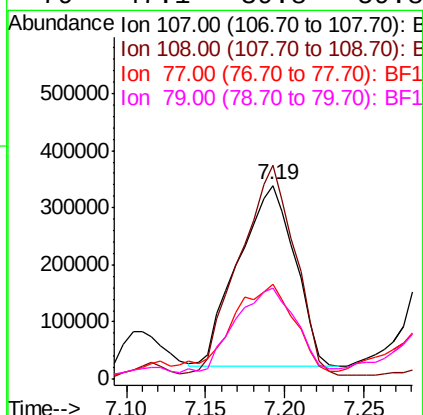
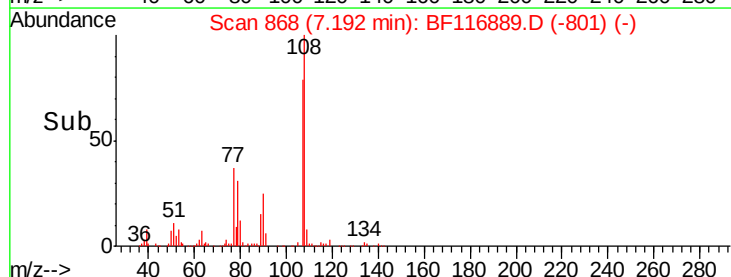
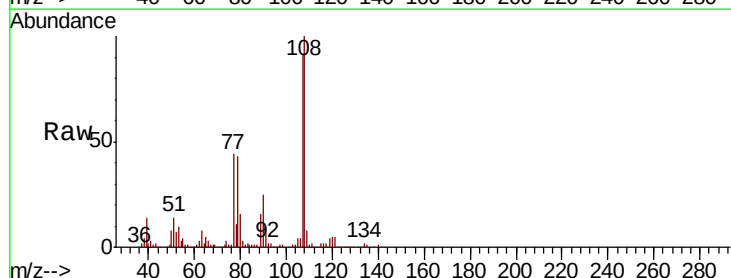
Ion Ratio Lower Upper

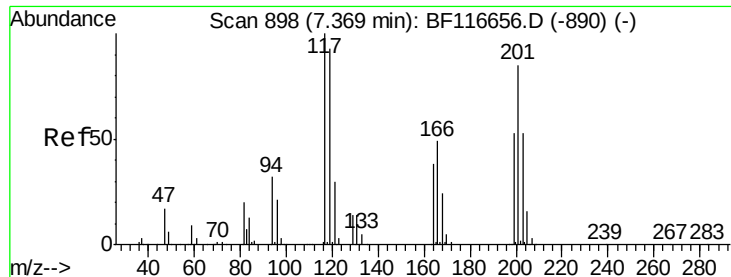
107 100

108 110.4 88.3 132.5

77 48.8 39.9 59.9

79 47.1 39.8 59.8

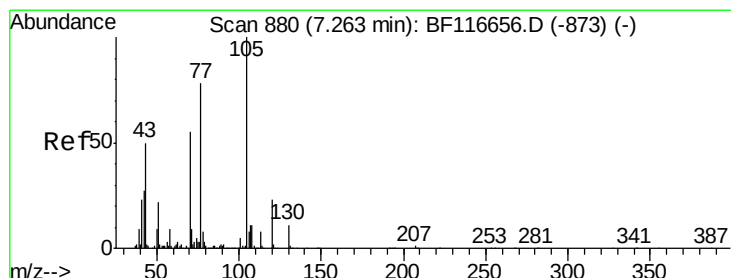
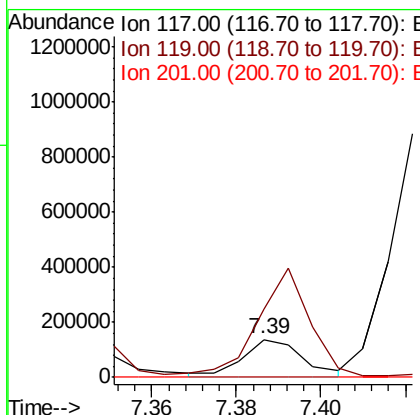
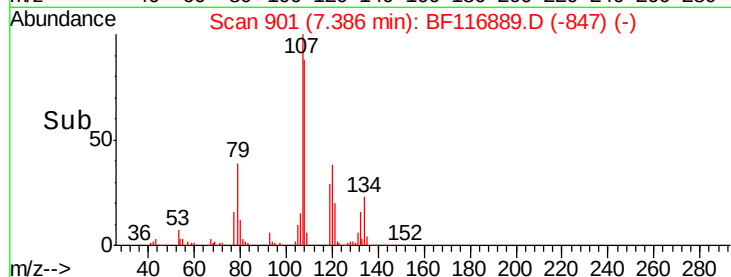
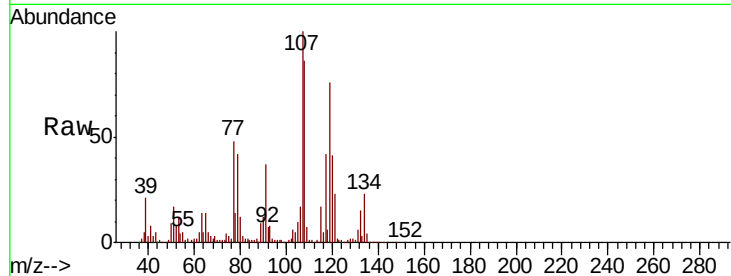




#18
Hexachloroethane
Concen: 56.575 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.02 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

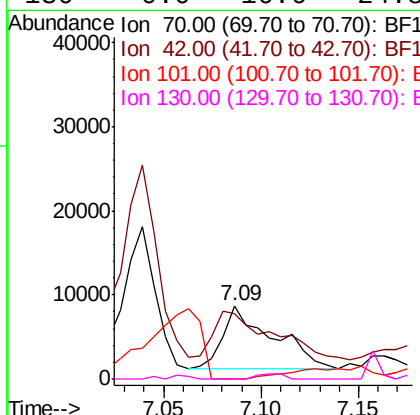
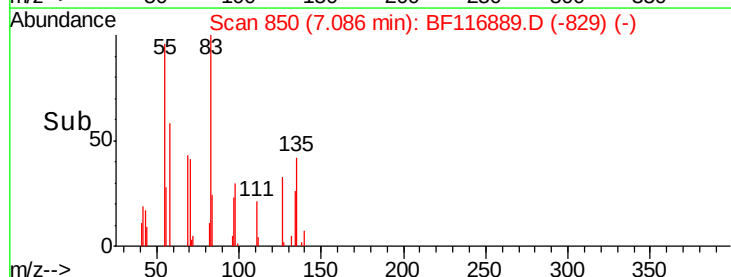
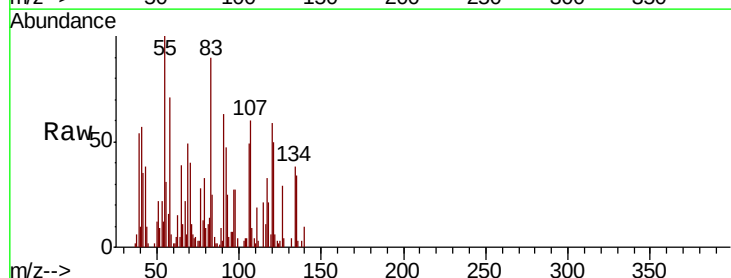
Instrument :
BNA_F
ClientSampled :

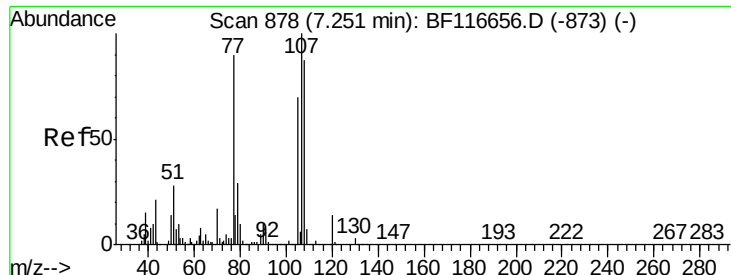
Tot Ion:117 Resp: 131811
Ion Ratio Lower Upper
117 100
119 179.5 76.9 115.3#
201 0.0 79.4 119.0#



#19
n-Nitroso-di-n-propylamine
Concen: 3.126 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.18 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion: 70 Resp: 13195
Ion Ratio Lower Upper
70 100
42 89.4 43.5 65.3#
101 0.0 7.8 11.6#
130 0.0 16.6 24.8#





#20

3+4-Methylphenols

Concen: 146.185 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.06 min

Lab File: BF116889.D

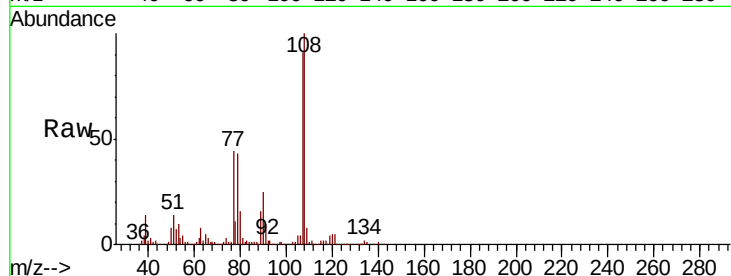
Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:	107	Resp:	792983
Ion	Ratio	Lower	Upper
107	100		
108	110.4	65.5	105.5#
77	48.8	69.4	109.4#
79	47.1	9.5	49.5



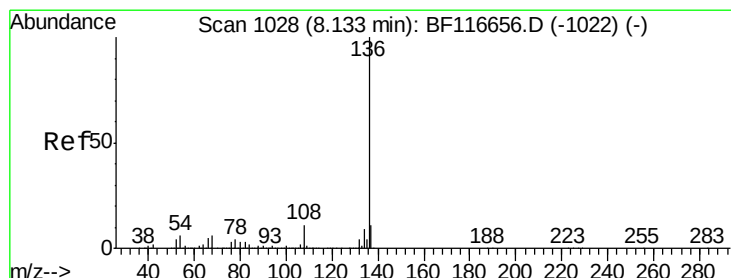
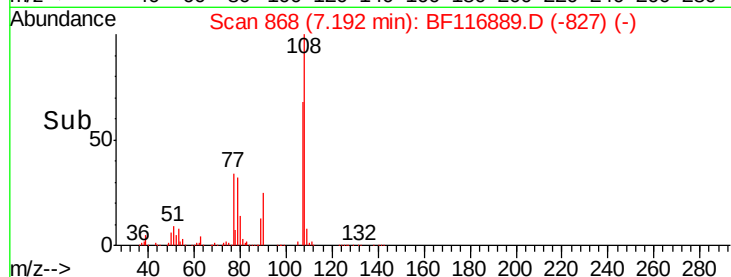
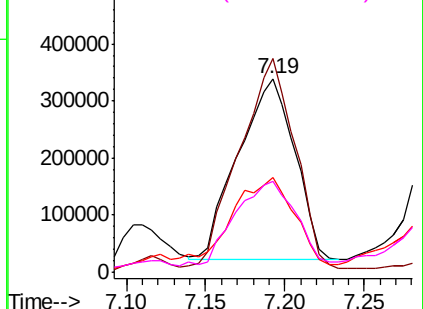
Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

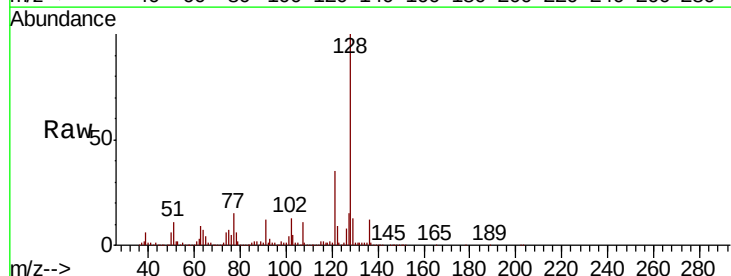
RT: 8.22 min Scan# 1042

Delta R.T. 0.08 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Tgt Ion:	136	Resp:	368983
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	2.2	4.8	7.2#
68	1.6	4.0	6.0#



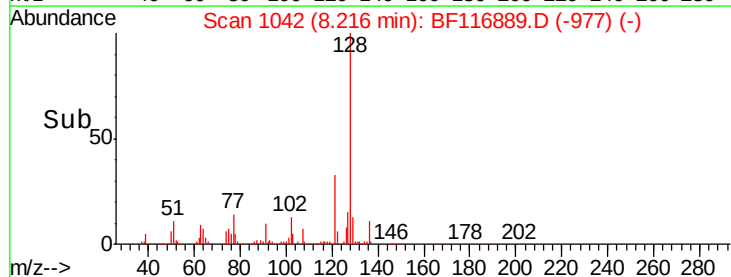
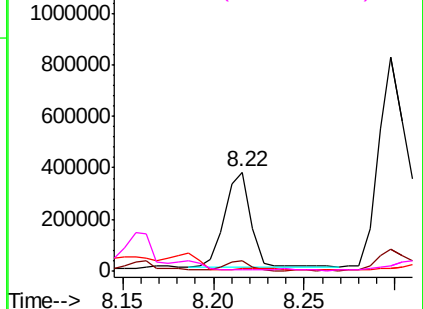
Abundance

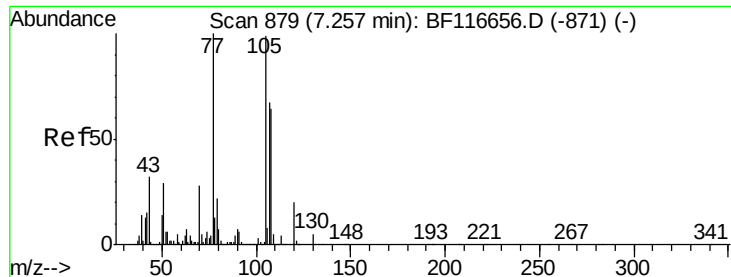
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 12.619 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.06 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 112099

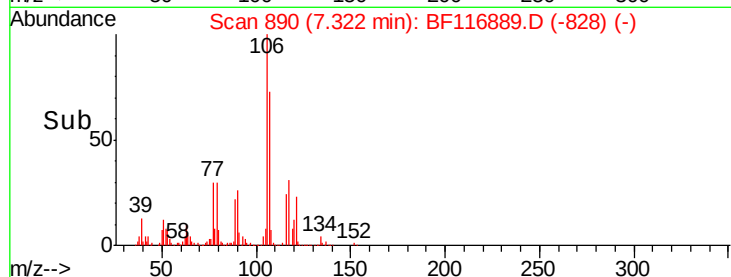
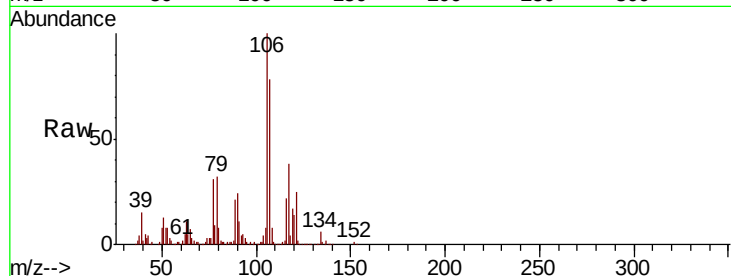
Ion Ratio Lower Upper

105 100

71 5.6 4.2 6.4

51 161.6 25.8 38.8#

120 180.3 16.4 24.6#

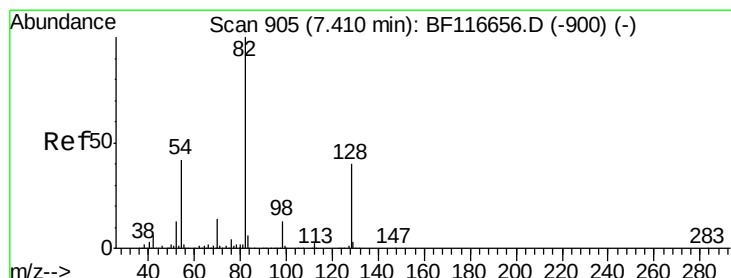
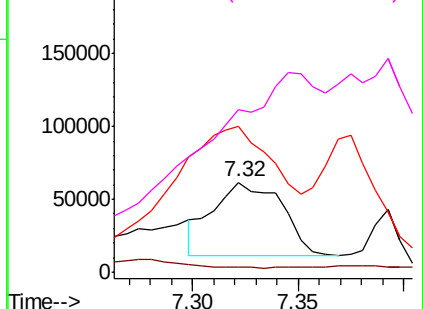


Abundance Ion 105.00 (104.70 to 105.70): E

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: 113.065 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.04 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

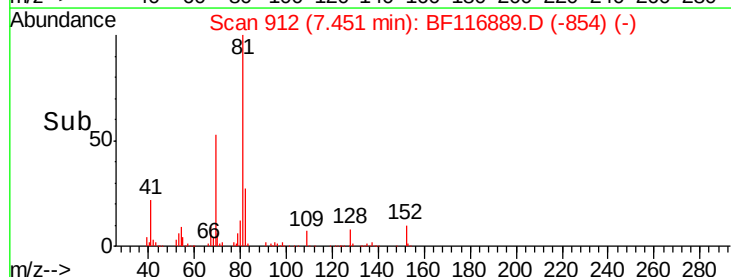
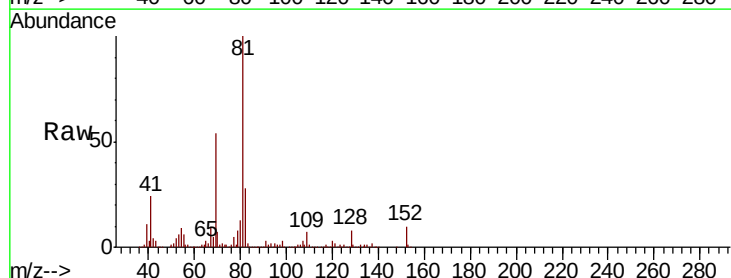
Tgt Ion: 82 Resp: 730796

Ion Ratio Lower Upper

82 100

128 28.4 32.8 49.2#

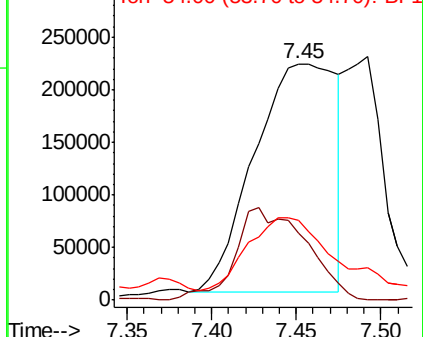
54 33.5 36.9 55.3#

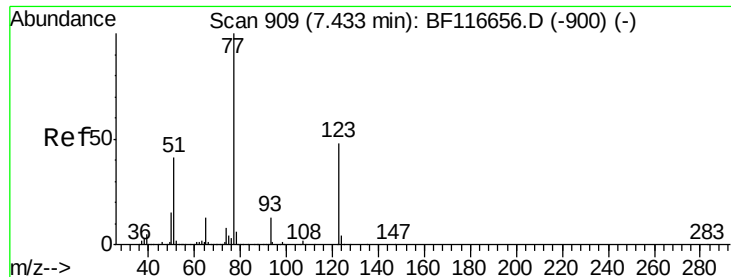


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

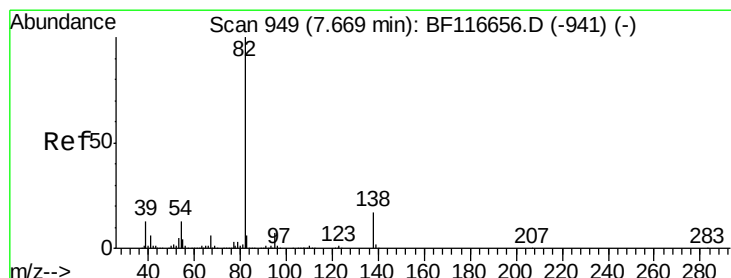
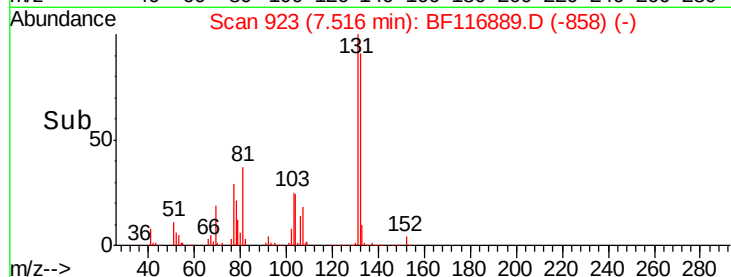
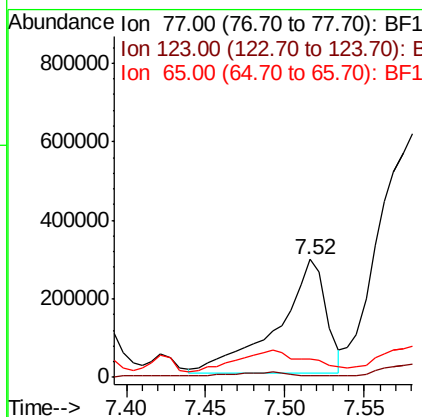
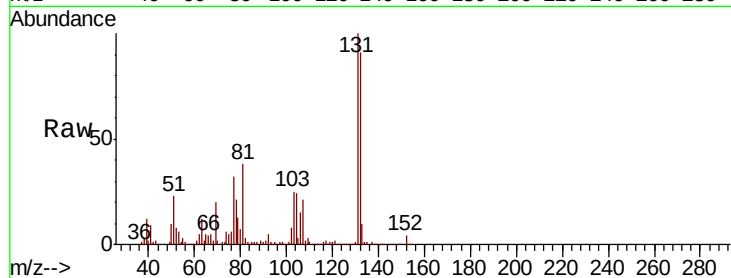




#24
Nitrobenzene
Concen: 91.742 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.08 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

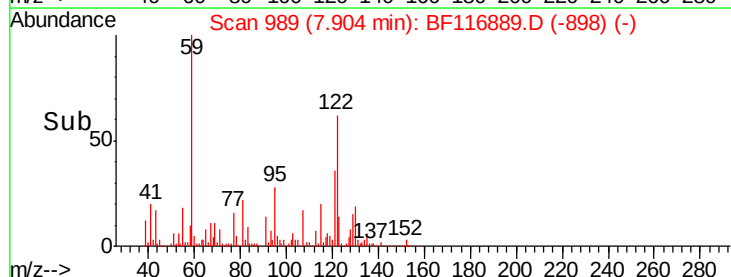
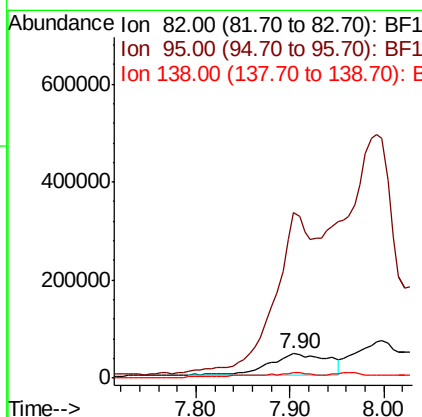
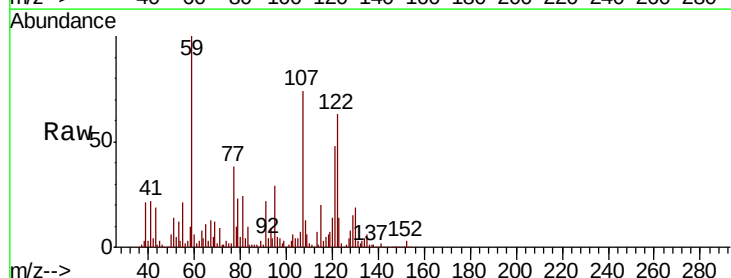
Instrument :
BNA_F
ClientSampleId :

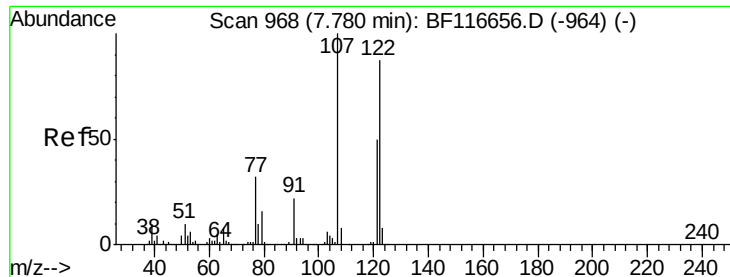
Tot Ion	Ratio	Lower	Upper
77	100		
123	1.3	33.1	49.7#
65	16.0	10.6	15.8#



#25
Isophorone
Concen: 14.808 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.24 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
82	100		
95	680.3	5.8	8.6#
138	22.1	13.5	20.3#





#27

2,4-Dimethylphenol

Concen: 658.453 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.14 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

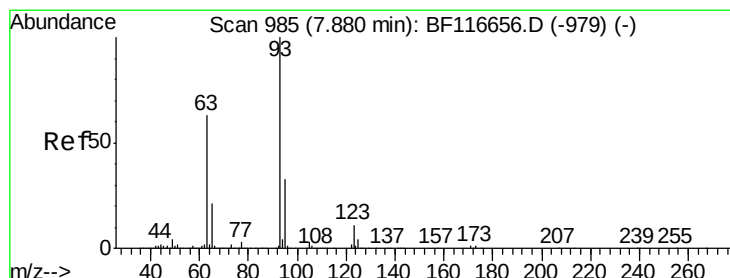
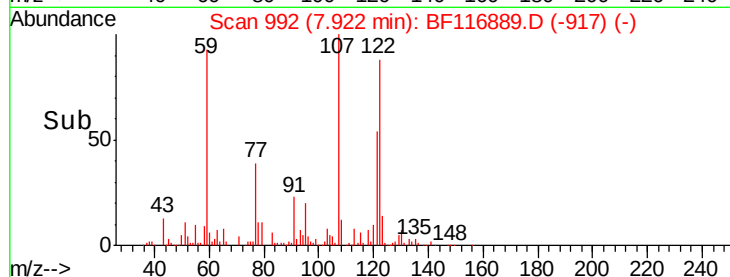
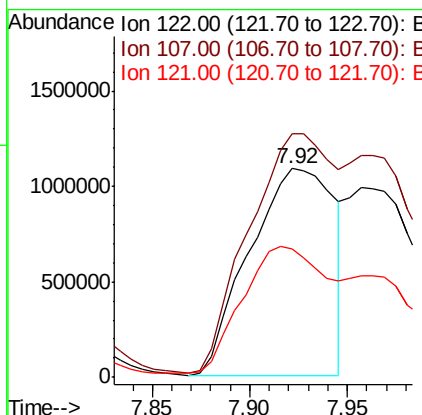
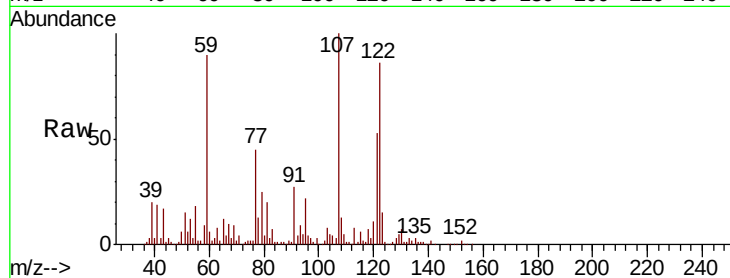
Tot Ion:122 Resp: 3249997

Ion Ratio Lower Upper

122 100

107 116.6 98.1 147.1

121 61.6 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 43.032 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.03 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

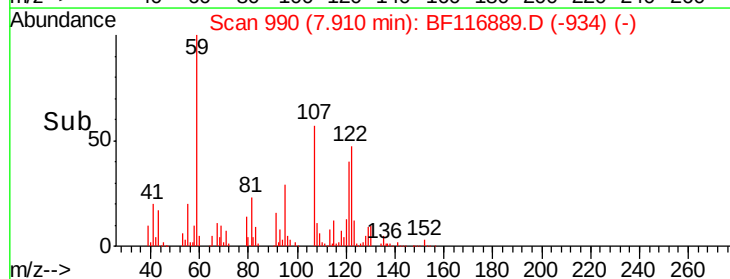
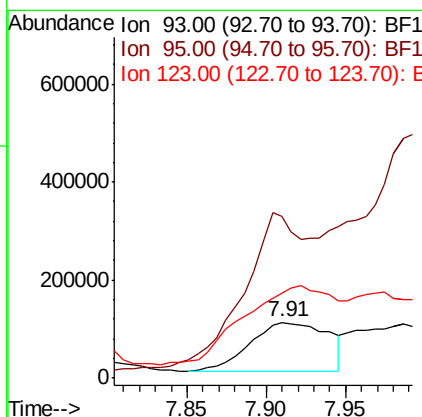
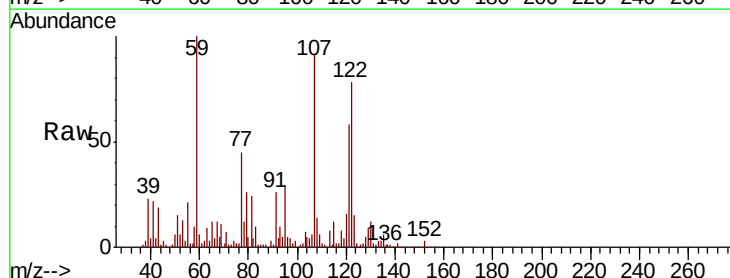
Tgt Ion: 93 Resp: 344411

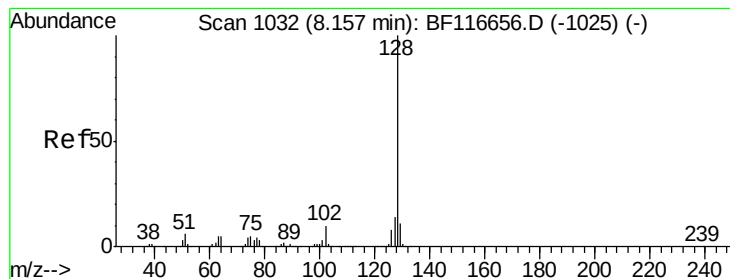
Ion Ratio Lower Upper

93 100

95 289.7 26.4 39.6#

123 152.8 9.8 14.8#





#31

Naphthalene

Concen: 731.719 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.05 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

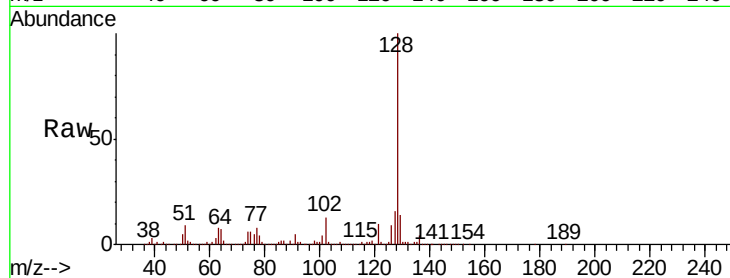
Tot Ion:128 Resp:12838381

Ion Ratio Lower Upper

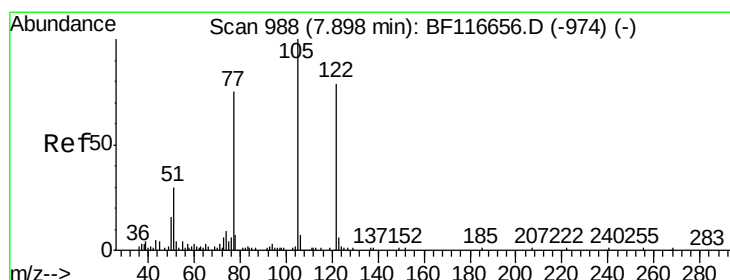
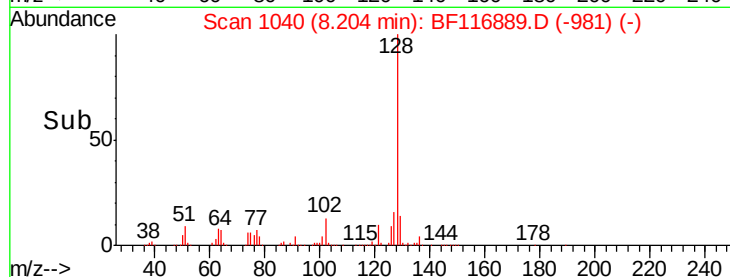
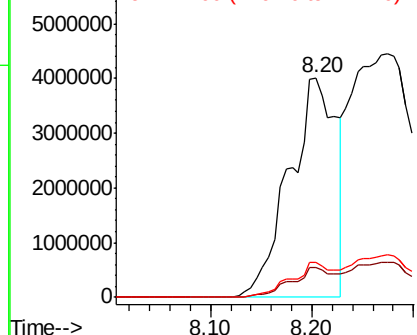
128 100

129 13.7 8.6 13.0#

127 16.2 10.4 15.6#



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



#32

Benzoic acid

Concen: 1166.150 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.02 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

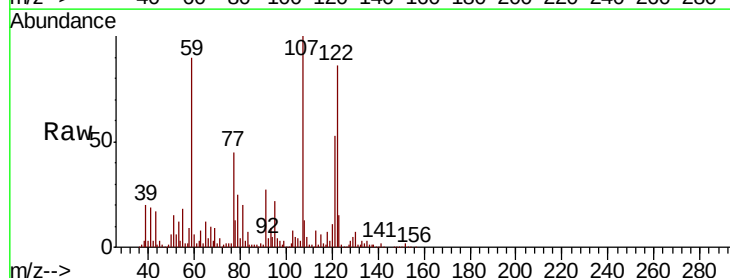
Tgt Ion:122 Resp: 3249997

Ion Ratio Lower Upper

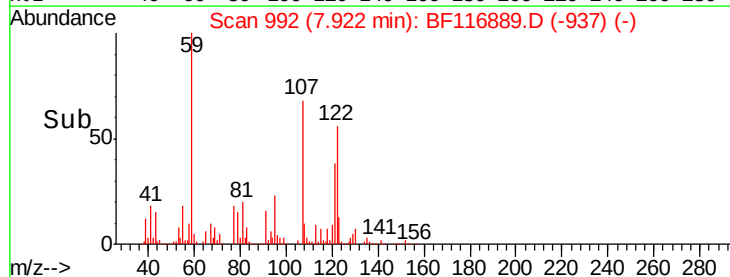
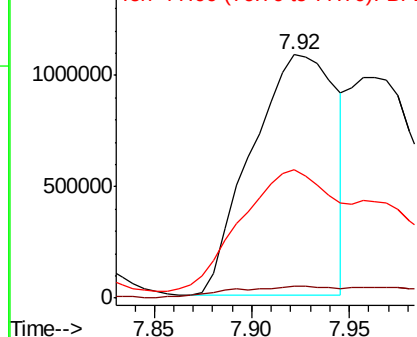
122 100

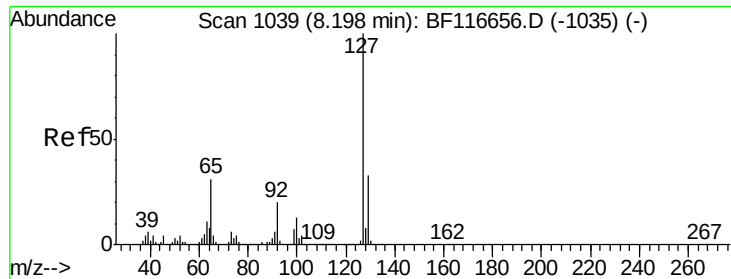
105 4.9 110.0 150.0#

77 52.5 81.7 121.7#



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

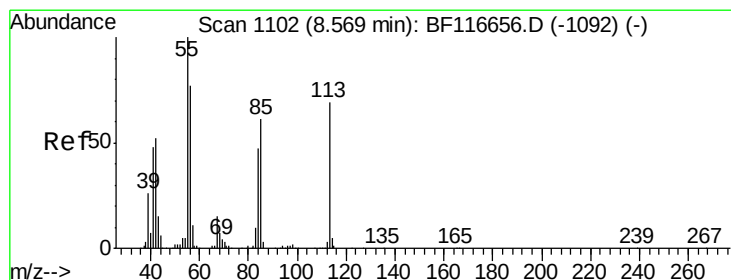
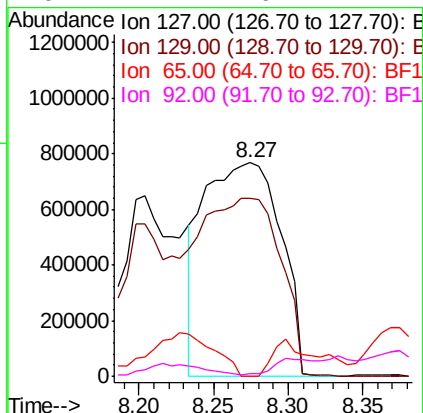
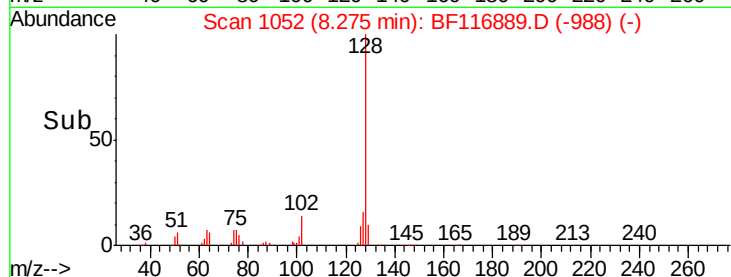
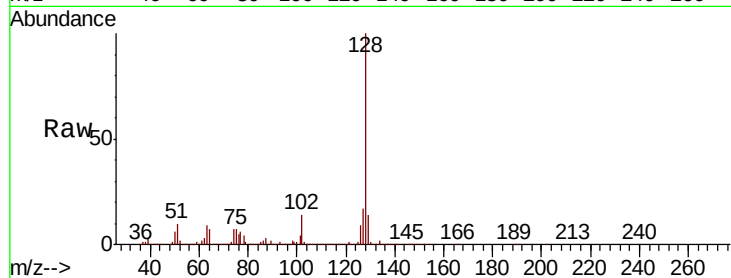




#33
4-Chloroaniline
Concen: 342.721 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.08 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

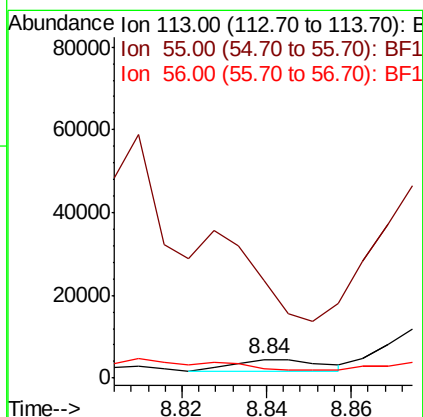
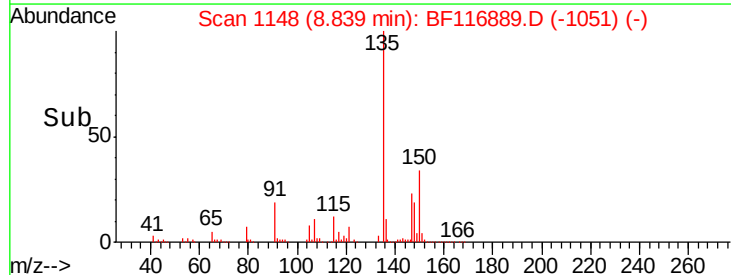
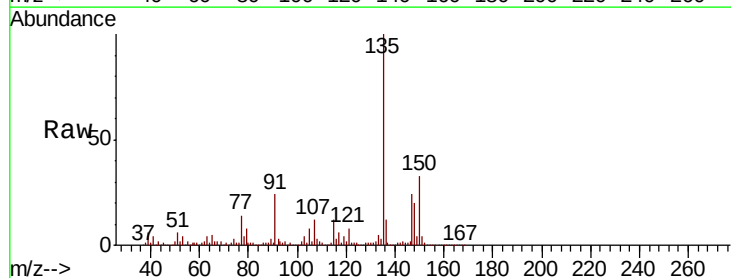
Instrument :
BNA_F
ClientSampleId :

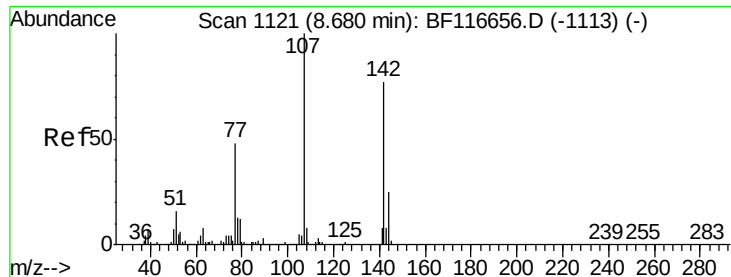
Tot Ion:127 Resp: 2737209
Ion Ratio Lower Upper
127 100
129 83.2 26.2 39.2#
65 0.0 26.0 39.0#
92 1.1 16.1 24.1#



#35
Caprolactam
Concen: 2.285 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.27 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion:113 Resp: 4057
Ion Ratio Lower Upper
113 100
55 525.5 124.3 164.3#
56 51.6 94.6 134.6#

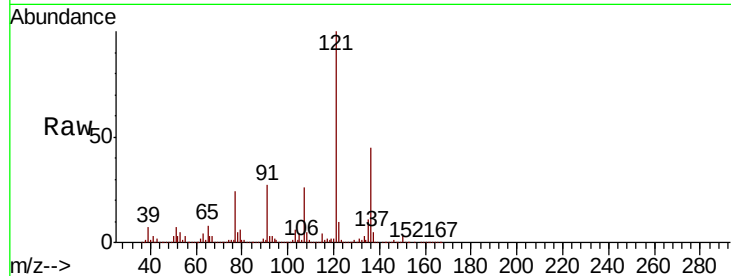




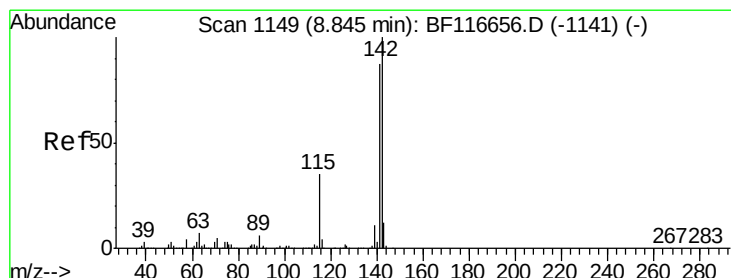
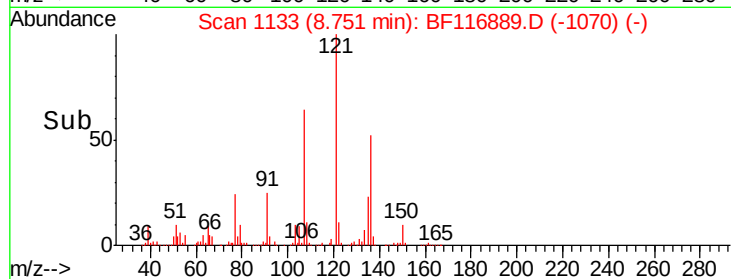
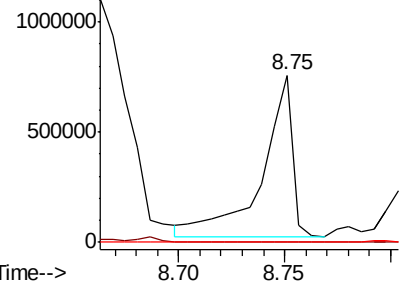
#36
 4-Chloro-3-methylphenol
 Concen: 134.263 ng
 RT: 8.75 min Scan# 1133
 Delta R.T. 0.07 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
144	0.3	18.6	27.8#
142	0.1	58.5	87.7#

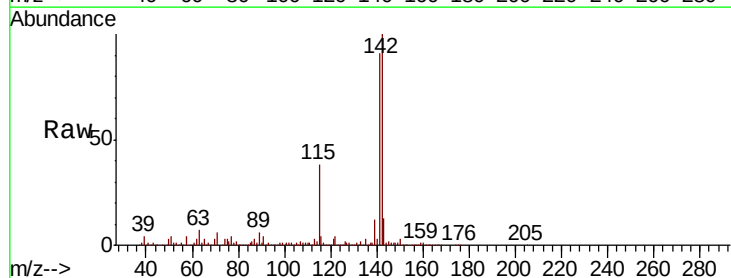


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

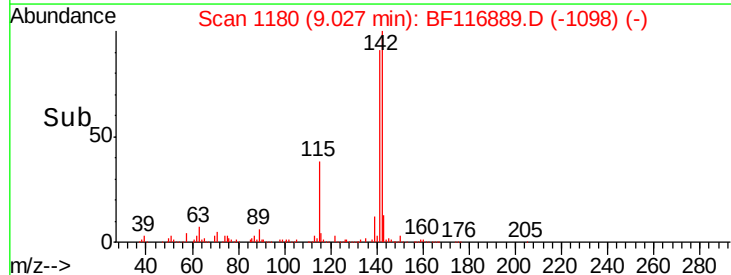
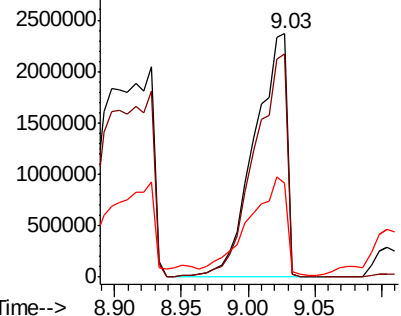


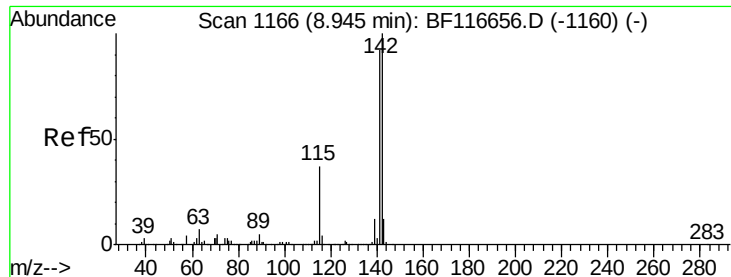
#37
 2-Methylnaphthalene
 Concen: 345.310 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.18 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.6	109.0
115	38.4	29.8	44.6



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

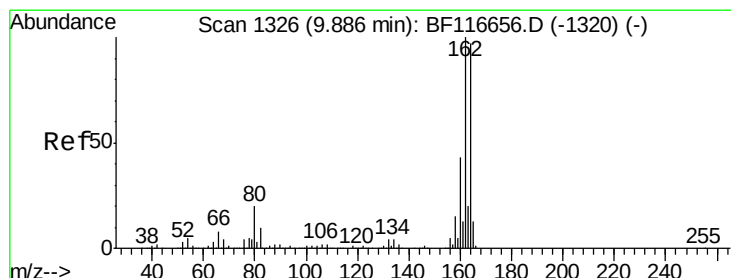
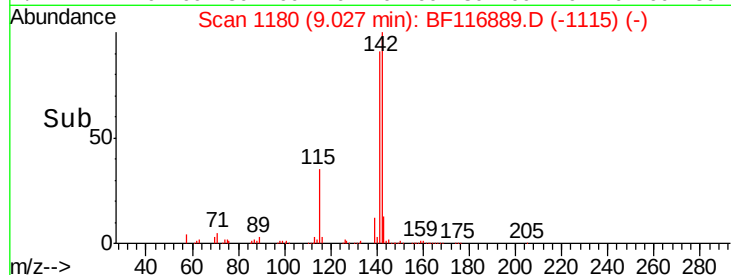
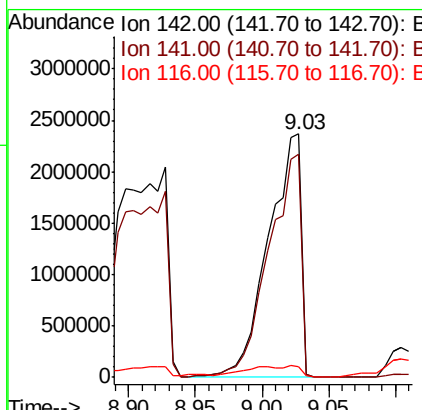
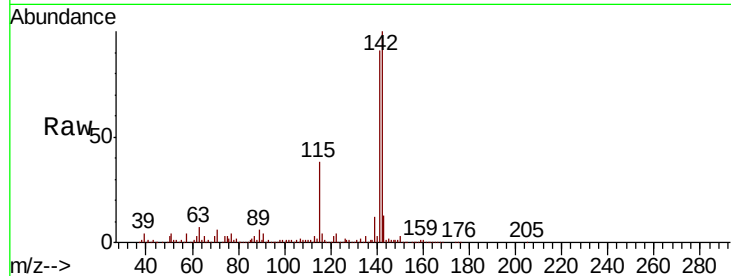




#38
 1-Methylnaphthalene
 Concen: 365.796 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.08 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

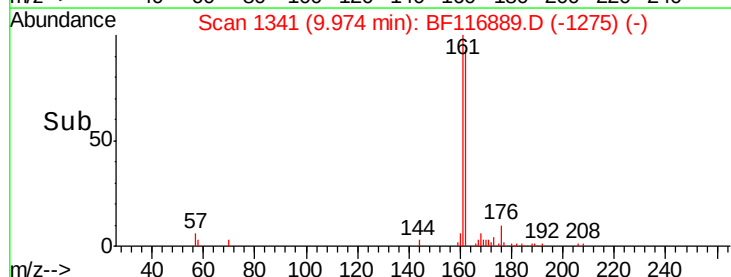
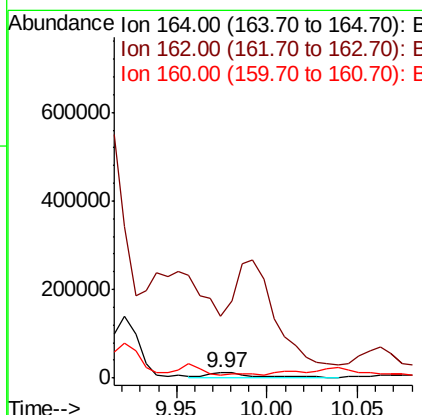
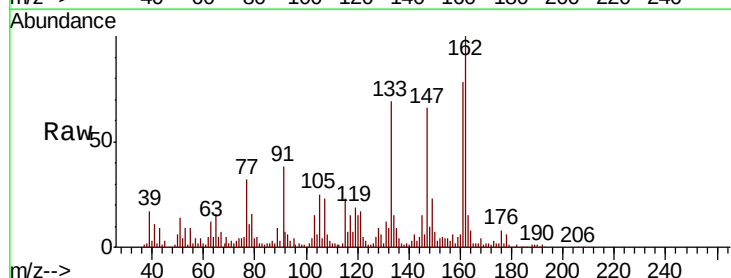
Instrument :
 BNA_F
 ClientSampleId :

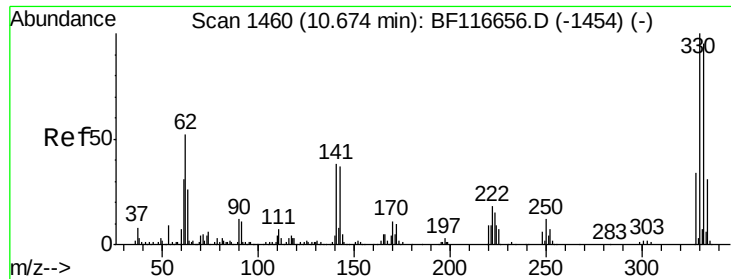
Tot Ion:142 Resp: 4031133
 Ion Ratio Lower Upper
 142 100
 141 91.4 73.9 110.9
 116 4.3 3.0 4.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.09 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion:164 Resp: 14579
 Ion Ratio Lower Upper
 164 100
 162 1184.6 81.4 122.0#
 160 65.3 35.4 53.2#

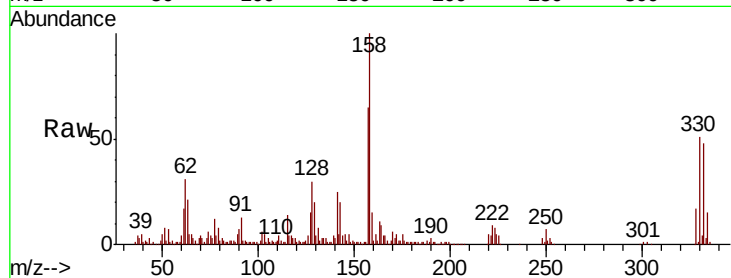




#42
 2,4,6-Tribromophenol
 Concen: 1717.357 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	89.2	31.4	47.2#

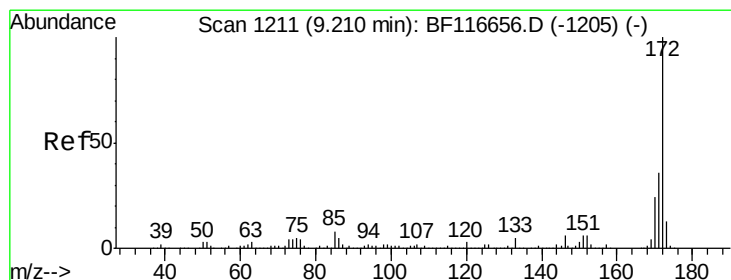
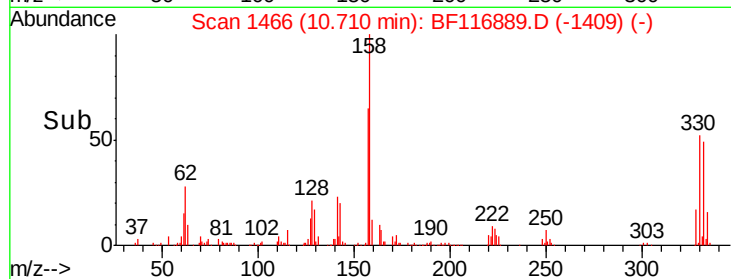
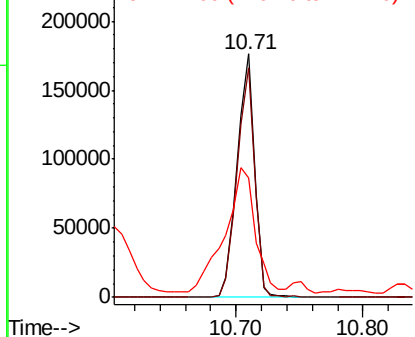


Abundance

Ion 329.80 (329.50 to 330.50): E

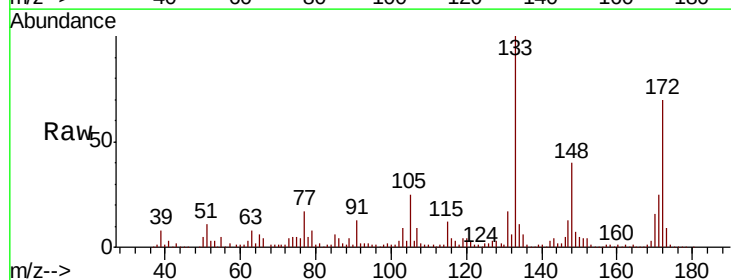
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 893.716 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.6
170	23.0	18.9	28.3

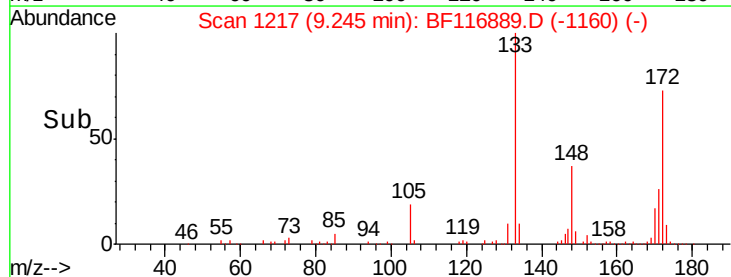
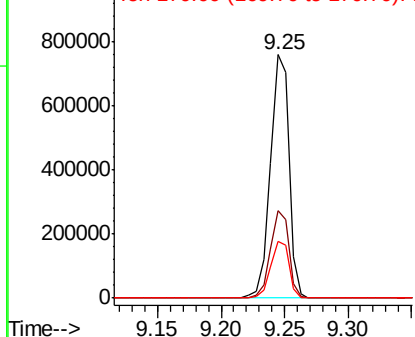


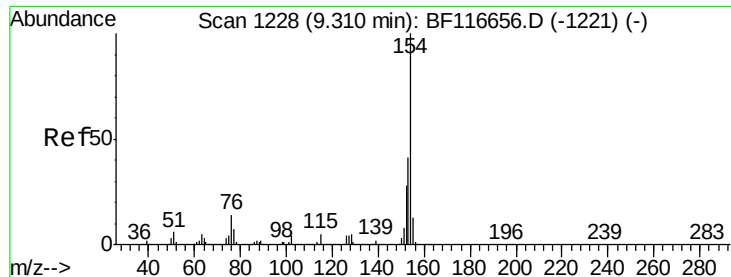
Abundance

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

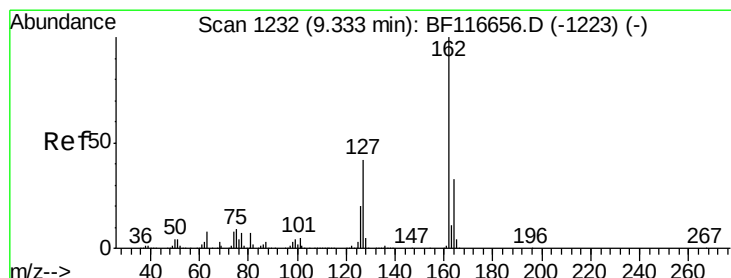
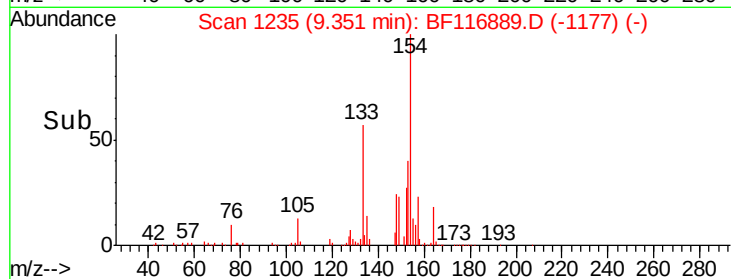
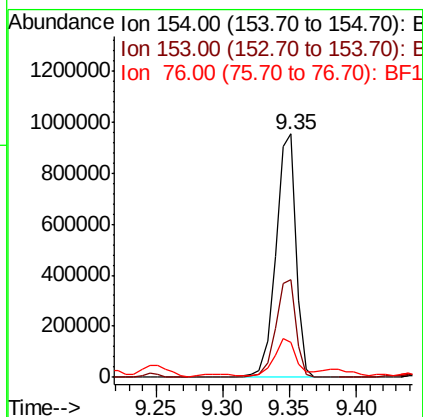
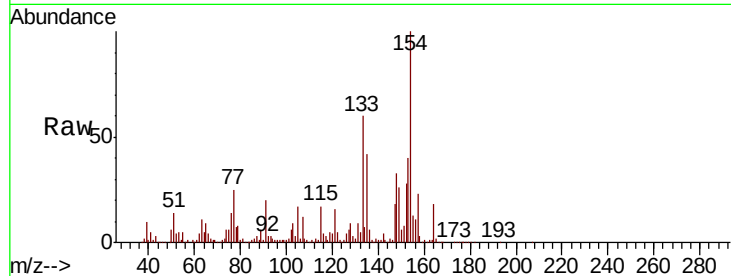




#46
 1,1'-Biphenyl
 Concen: 913.894 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. 0.04 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

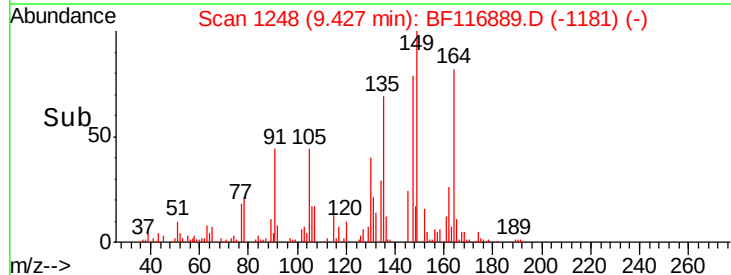
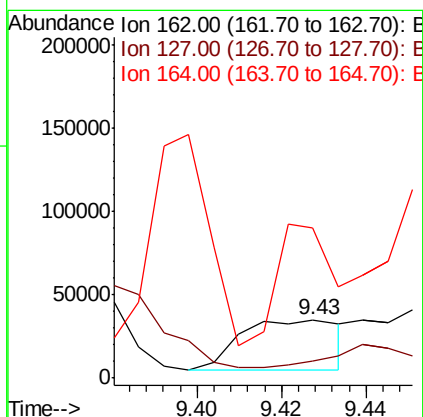
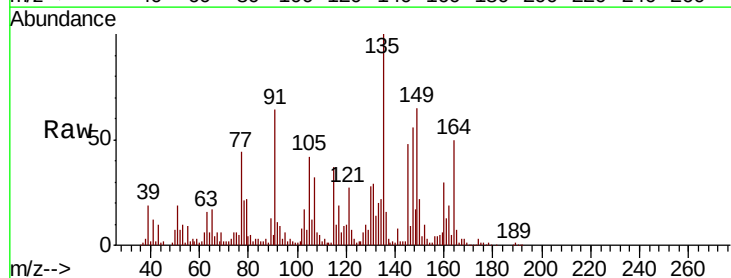
Instrument :
 BNA_F
 ClientSampleId :

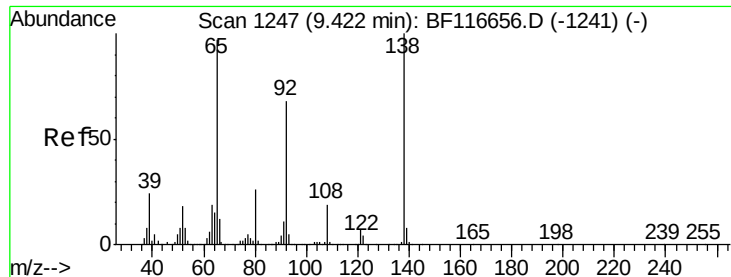
Tot Ion:154 Resp: 1011014
 Ion Ratio Lower Upper
 154 100
 153 40.1 21.2 61.2
 76 14.4 0.0 30.9



#47
 2-Chloronaphthalene
 Concen: 57.496 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.09 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion:162 Resp: 50379
 Ion Ratio Lower Upper
 162 100
 127 29.0 33.4 50.2#
 164 257.1 26.6 39.8#

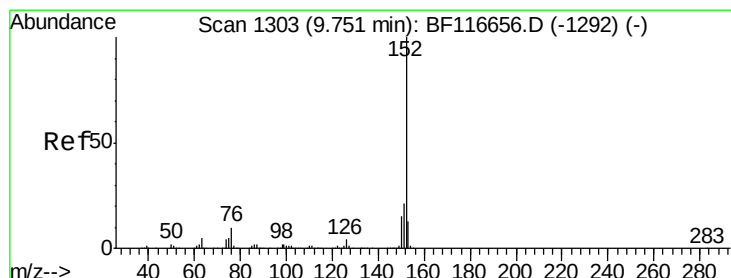
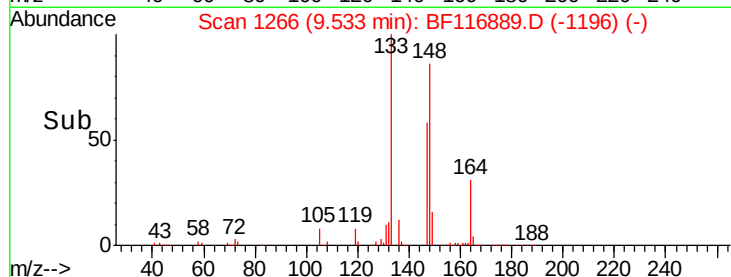
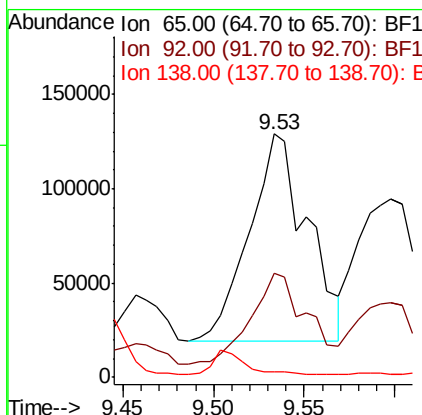
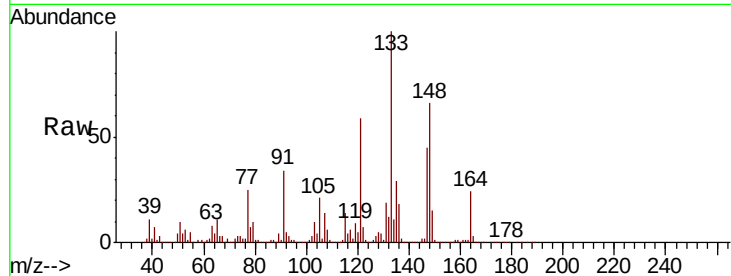




#48
2-Nitroaniline
Concen: 963.880 ng
RT: 9.53 min Scan# 1266
Delta R.T. 0.11 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

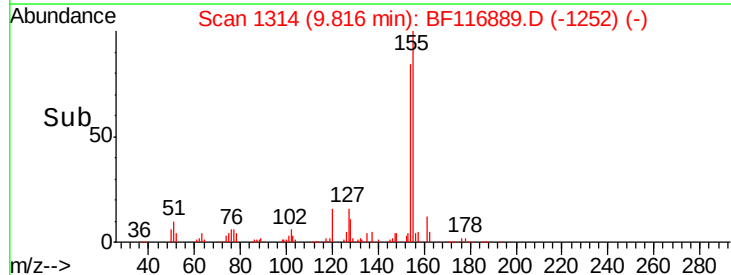
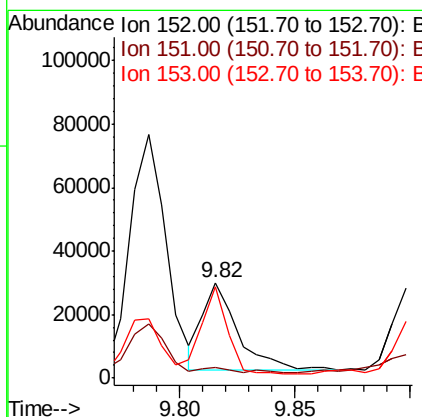
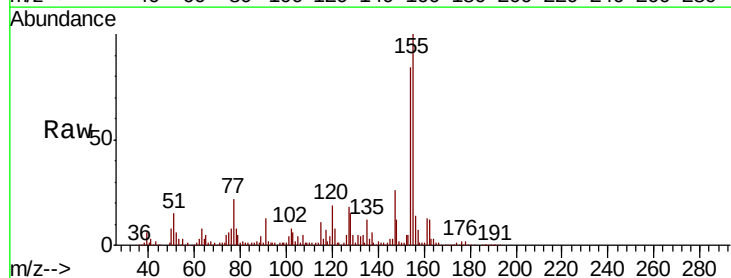
Instrument :
BNA_F
ClientSampleId :

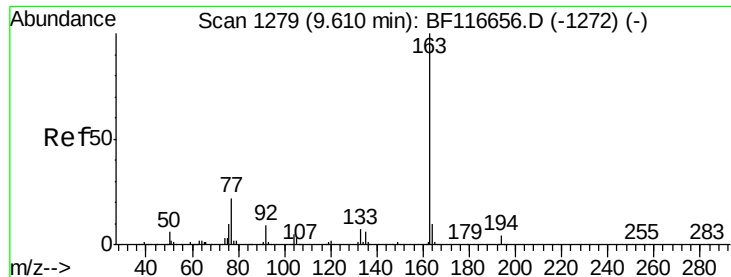
Tot Ion: 65 Resp: 244164
Ion Ratio Lower Upper
65 100
92 42.6 57.1 85.7#
138 2.3 88.2 132.2#



#49
Acenaphthylene
Concen: 21.638 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.06 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion: 152 Resp: 28660
Ion Ratio Lower Upper
152 100
151 11.3 15.9 23.9#
153 96.3 10.9 16.3#





#50

Dimethylphthalate

Concen: 52.988 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.09 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

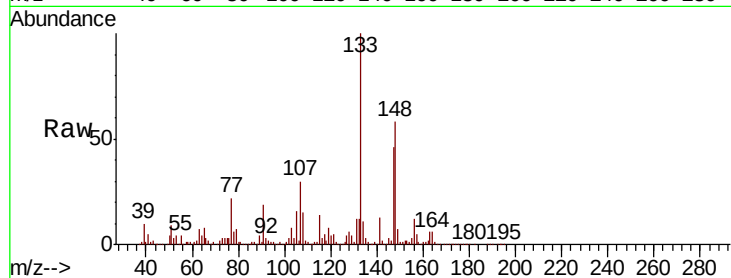
Tot Ion:163 Resp: 53334

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

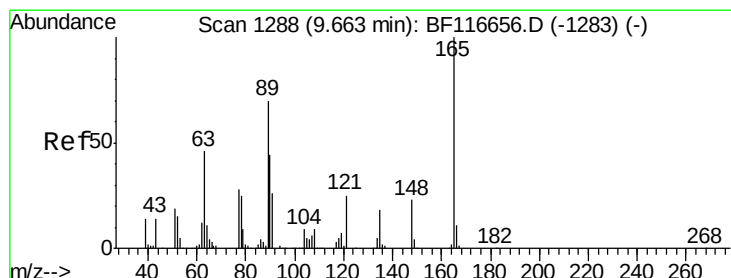
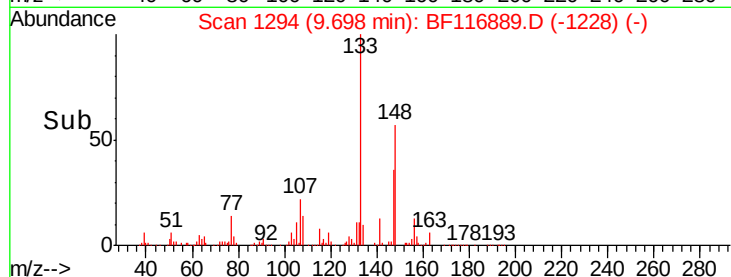
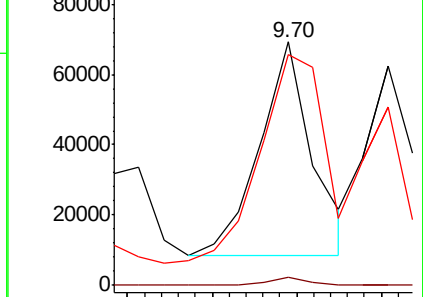
164 94.6 8.6 12.8#



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: 12.570 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.13 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

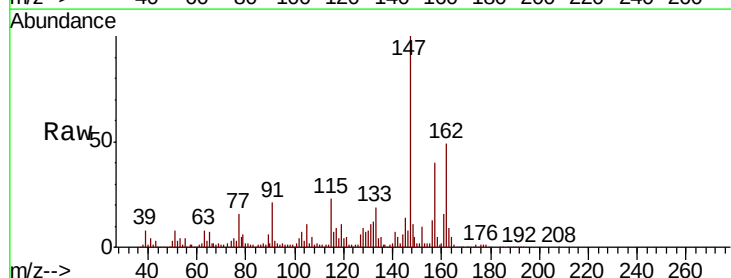
Tgt Ion:165 Resp: 2414

Ion Ratio Lower Upper

165 100

63 1184.0 47.3 70.9#

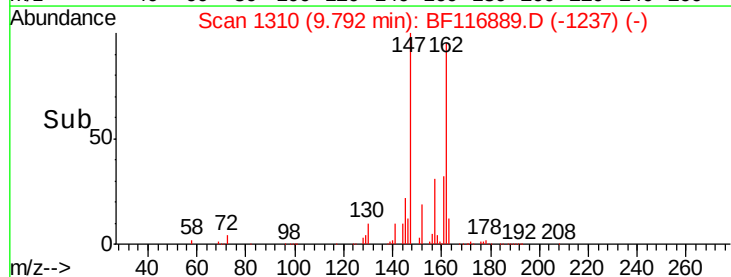
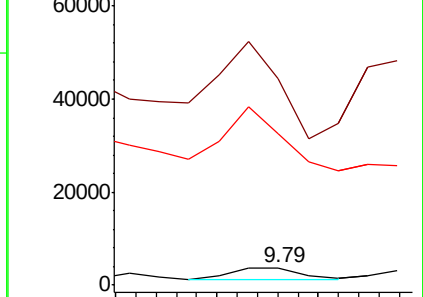
89 869.2 52.5 78.7#

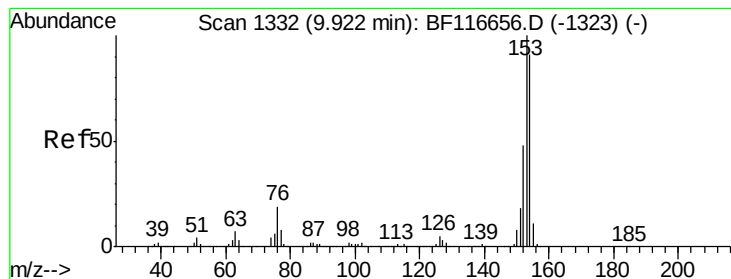


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 1137.411 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.04 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

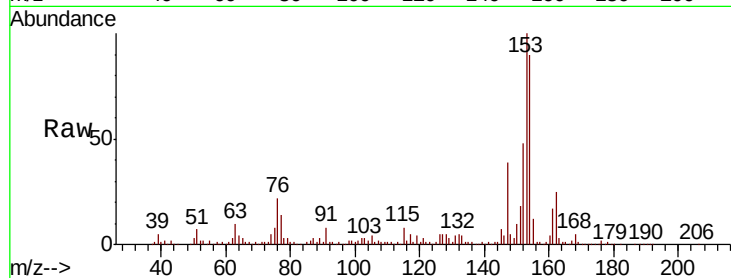
Tot Ion:154 Resp: 925648

Ion Ratio Lower Upper

154 100

153 111.4 89.5 134.3

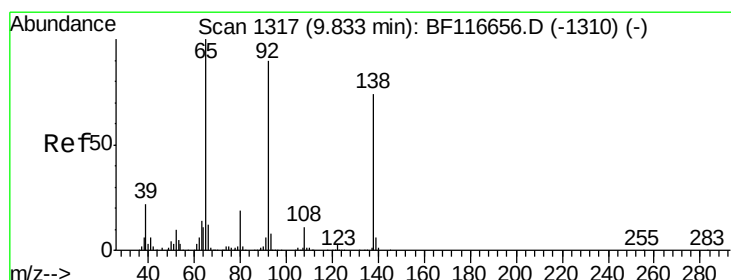
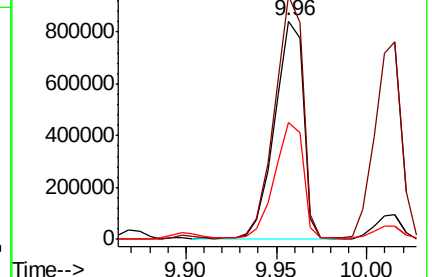
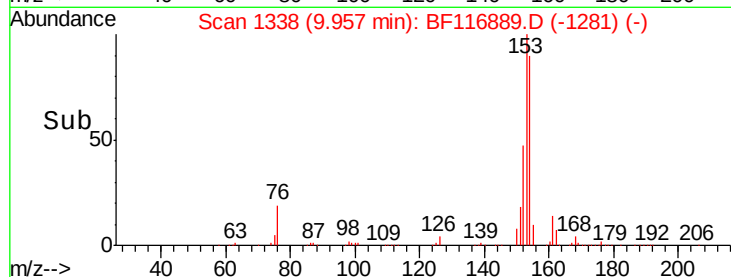
152 53.4 41.9 62.9



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: 9.752 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.07 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

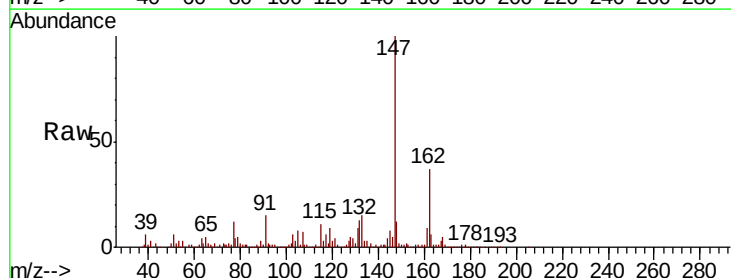
Tgt Ion:138 Resp: 2347

Ion Ratio Lower Upper

138 100

108 333.8 8.5 12.7#

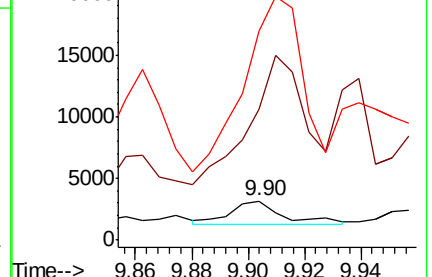
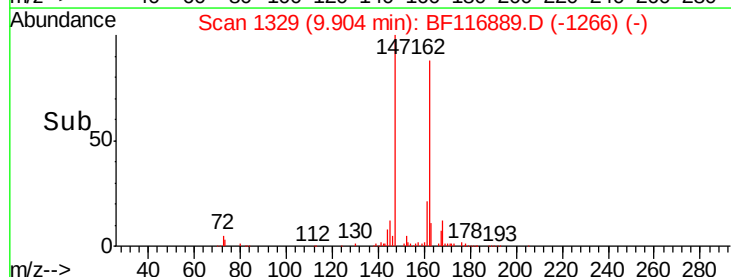
92 531.7 87.2 130.8#

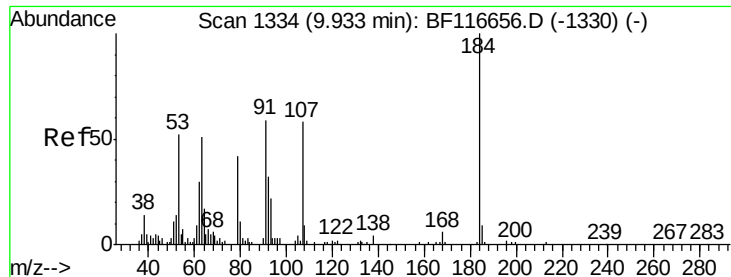


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 702.135 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.15 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampled :

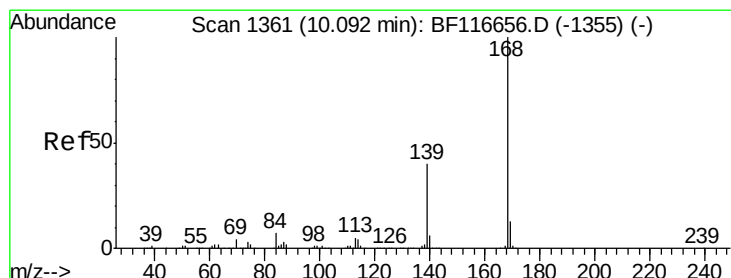
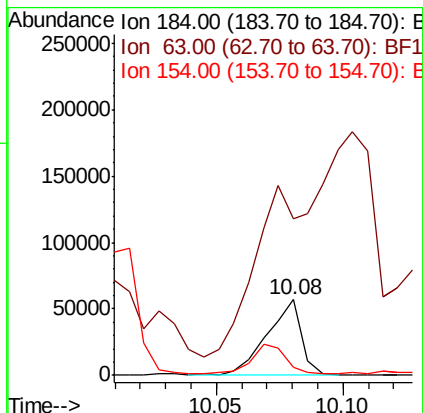
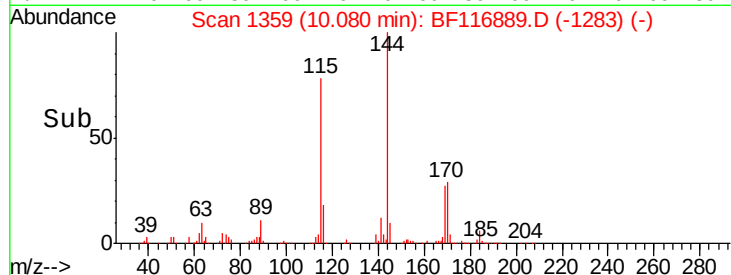
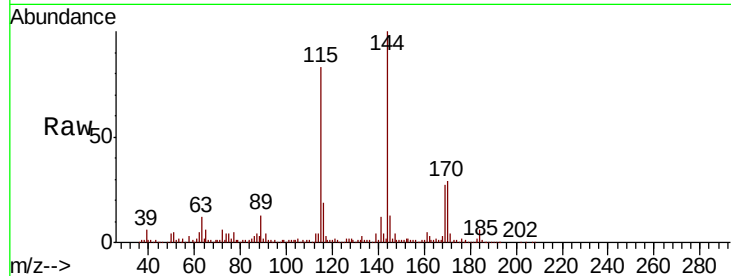
Tot Ion:184 Resp: 53245

Ion Ratio Lower Upper

184 100

63 207.0 52.2 78.2#

154 10.4 60.8 91.2#



#55

Dibenzofuran

Concen: 808.906 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.04 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

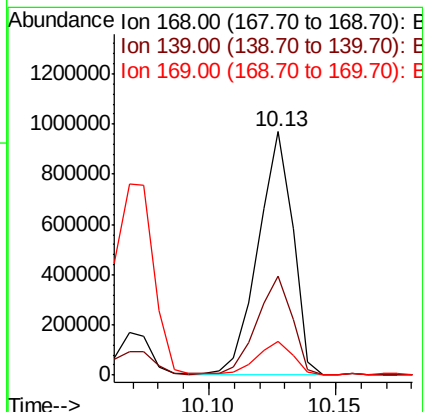
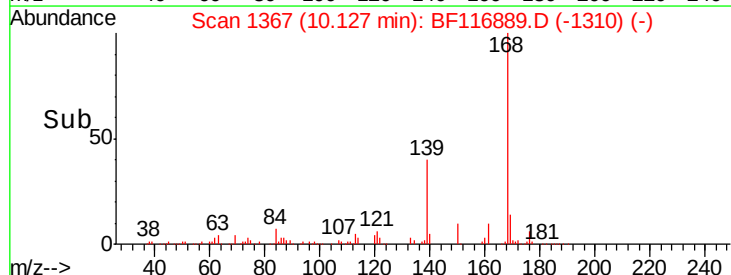
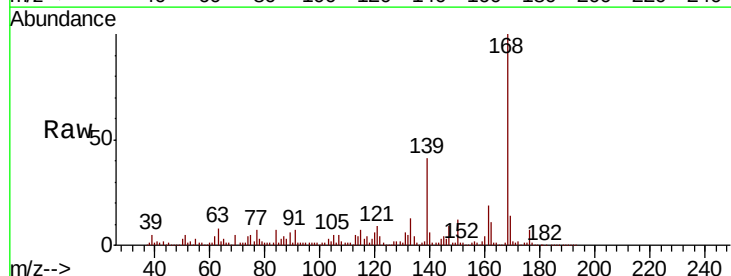
Tgt Ion:168 Resp: 928019

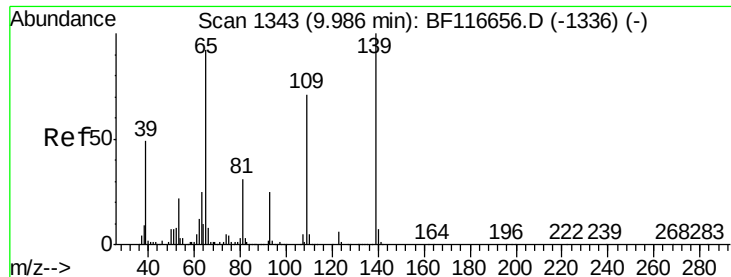
Ion Ratio Lower Upper

168 100

139 40.9 31.5 47.3

169 13.6 10.3 15.5

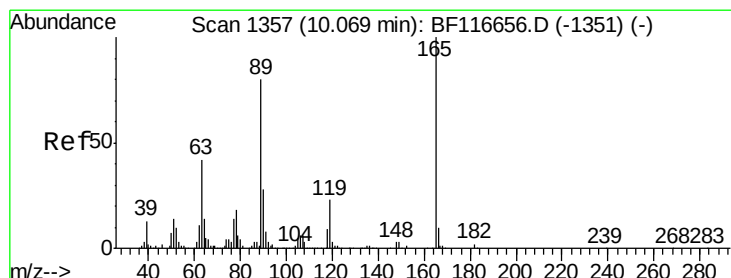
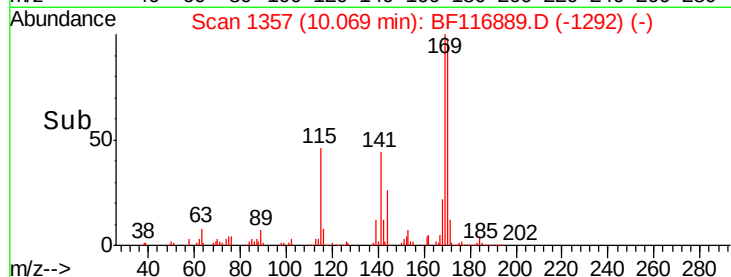
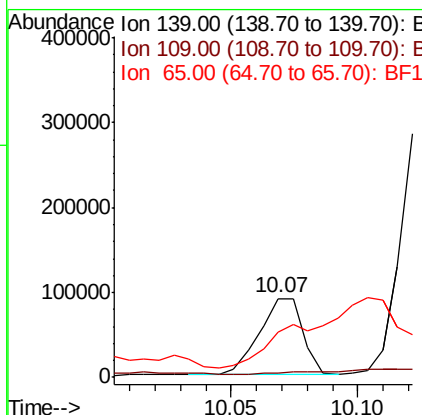
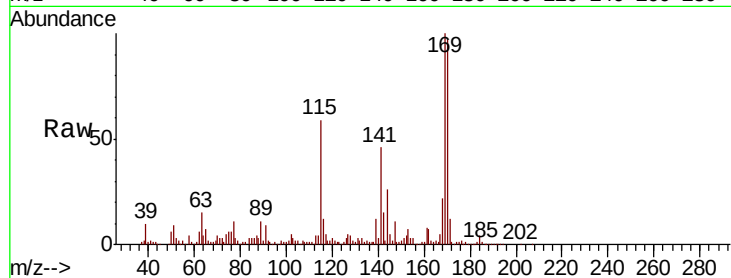




#56
4-Nitrophenol
Concen: 656.398 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.08 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

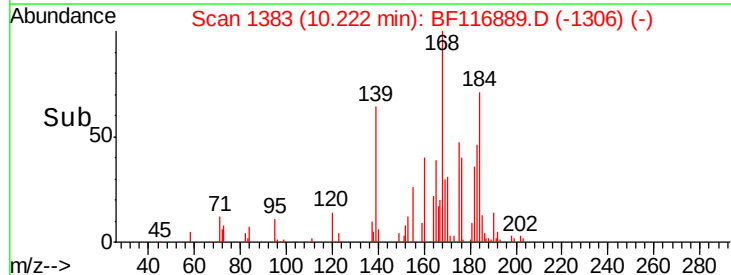
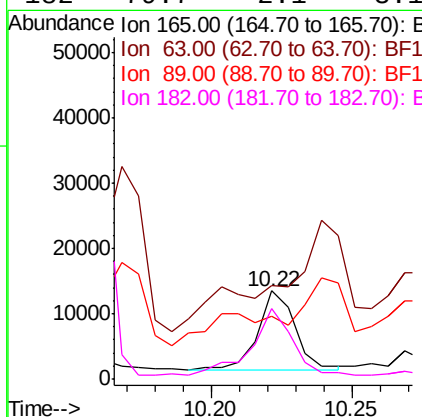
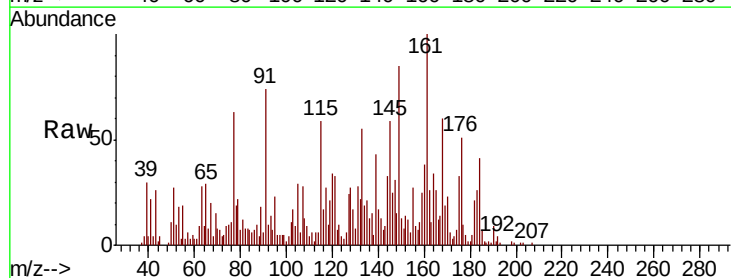
Instrument :
BNA_F
ClientSampleId :

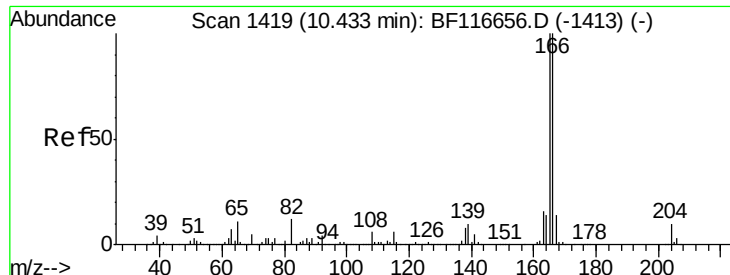
Tot Ion	Ratio	Lower	Upper
139	100		
109	5.8	61.7	101.7#
65	56.9	89.1	129.1#



#57
2,4-Dinitrotoluene
Concen: 46.807 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.15 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	106.0	36.4	54.6#
89	70.9	62.6	94.0
182	79.7	2.1	3.1#

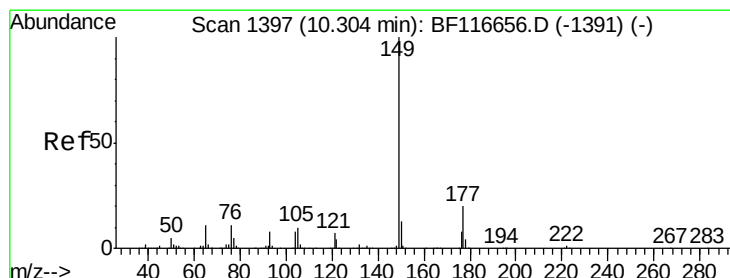
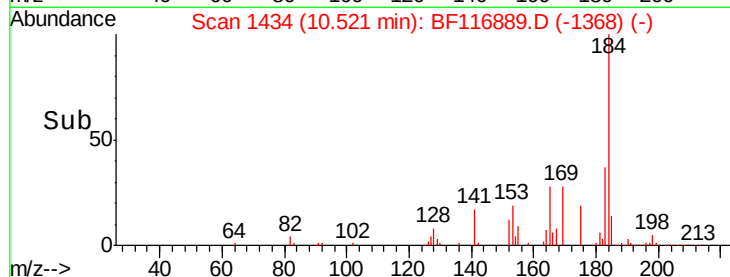
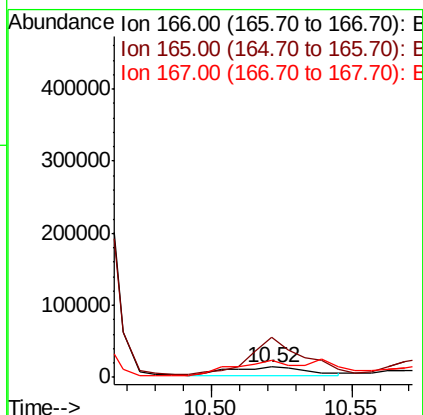
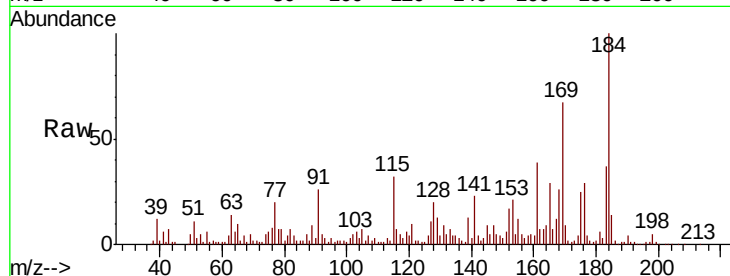




#58
 Fluorene
 Concen: 29.158 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.09 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

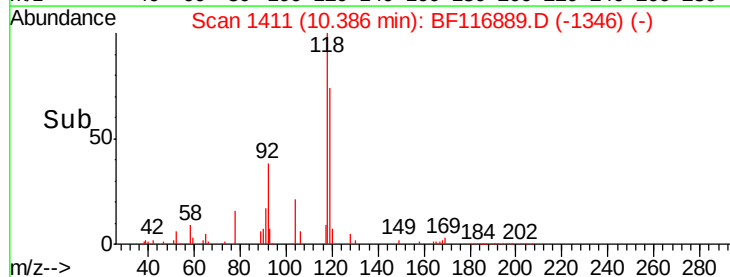
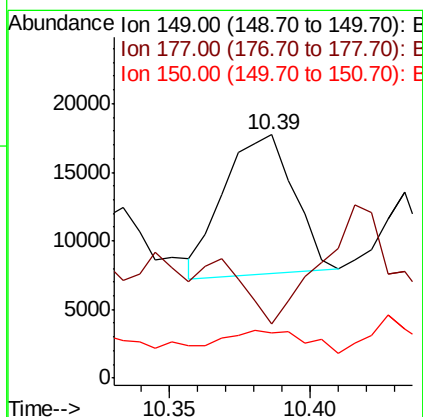
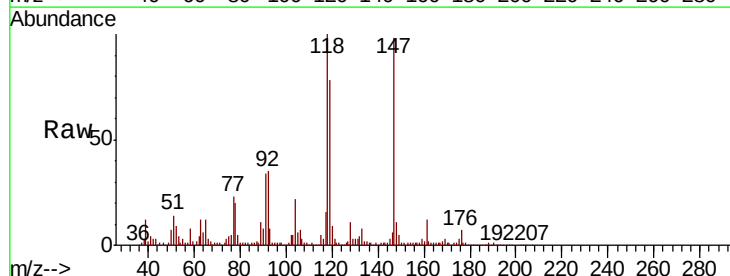
Instrument :
 BNA_F
 ClientSampled :

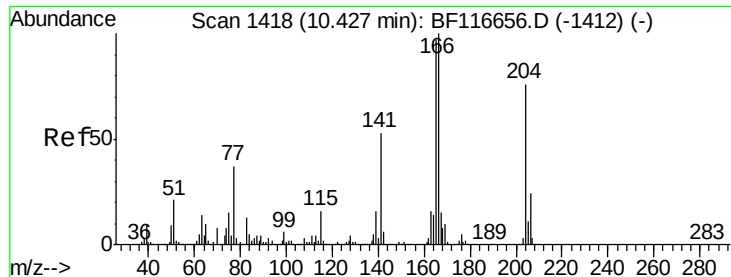
Tot Ion:166 Resp: 25489
 Ion Ratio Lower Upper
 166 100
 165 391.8 78.8 118.2#
 167 163.0 10.0 15.0#



#60
 Diethylphthalate
 Concen: 17.412 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.08 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion:149 Resp: 17555
 Ion Ratio Lower Upper
 149 100
 177 22.1 17.2 25.8
 150 18.8 9.7 14.5#





#61

4-Chlorophenyl-phenylether

Concen: 2.330 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.08 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampled :

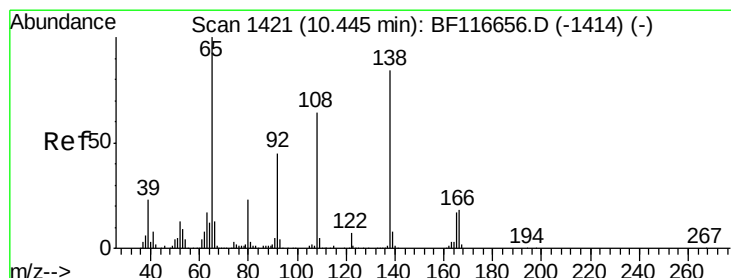
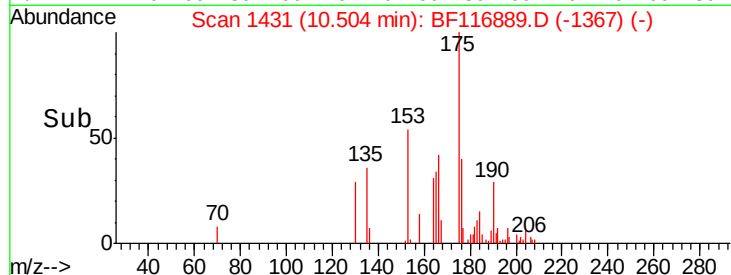
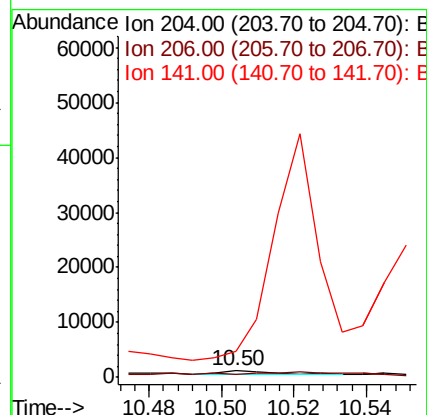
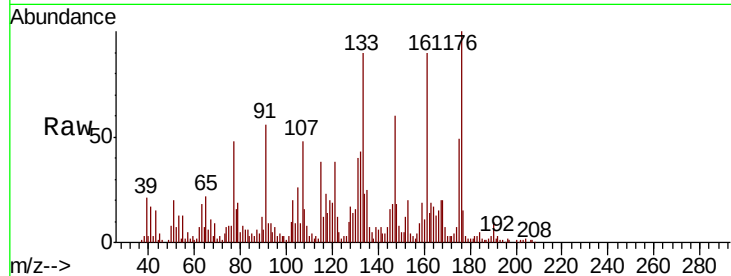
Tot Ion:204 Resp: 892

Ion Ratio Lower Upper

204 100

206 54.3 25.4 38.2#

141 408.6 53.8 80.8#



#62

4-Nitroaniline

Concen: 6.174 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.08 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

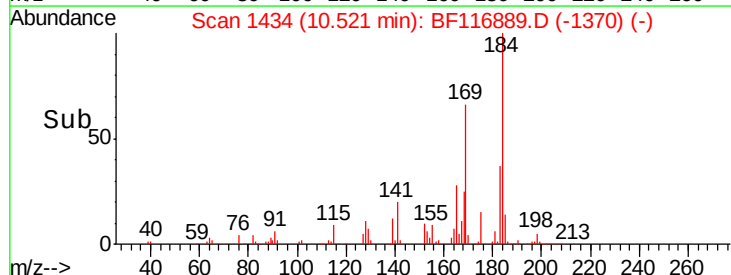
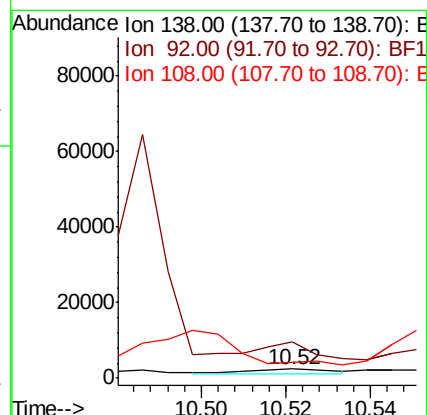
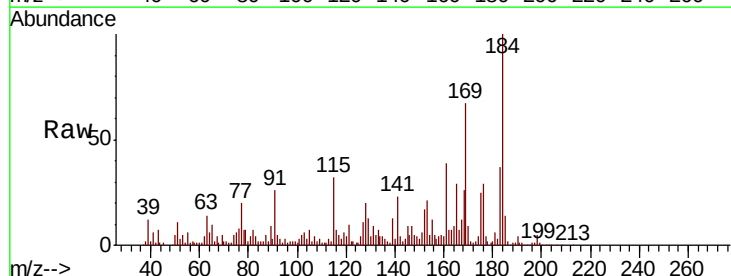
Tgt Ion:138 Resp: 1442

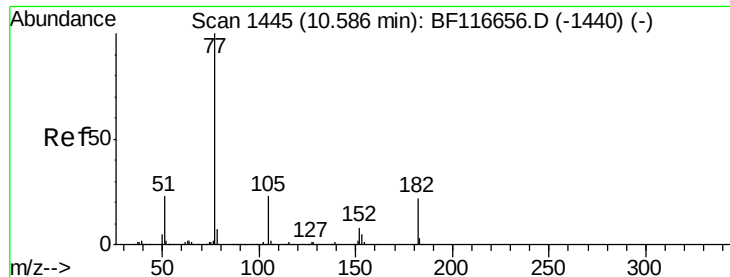
Ion Ratio Lower Upper

138 100

92 408.2 28.7 68.7#

108 170.6 60.4 100.4#

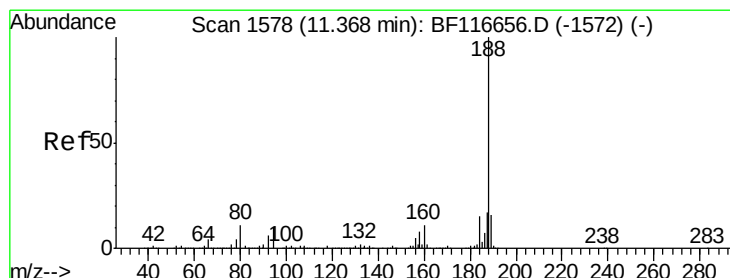
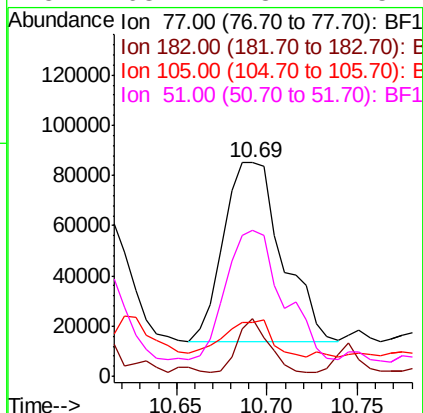
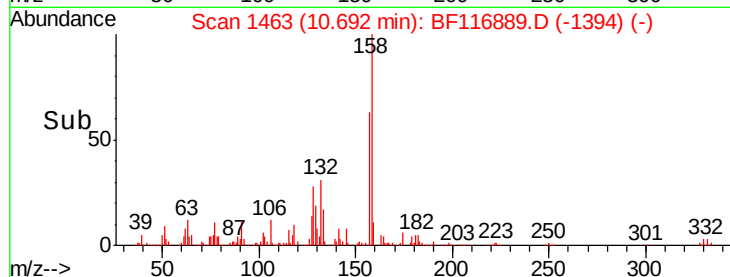
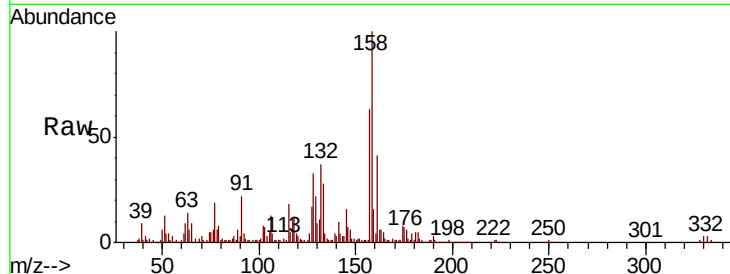




#63
Azobenzene
Concen: 153.050 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.11 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

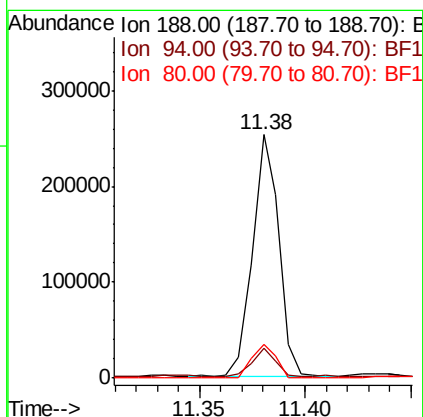
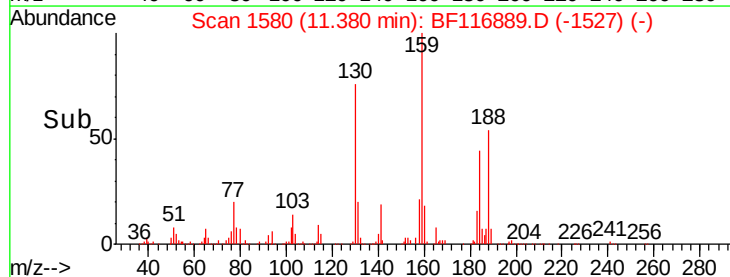
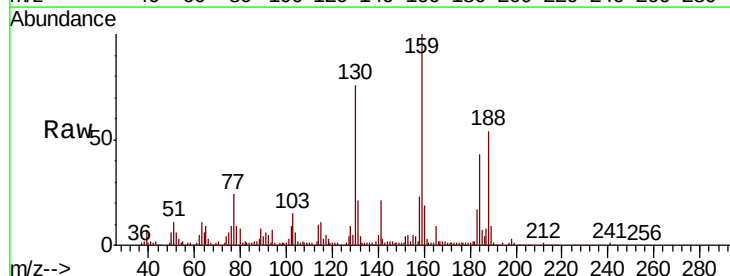
Instrument :
BNA_F
ClientSampleId :

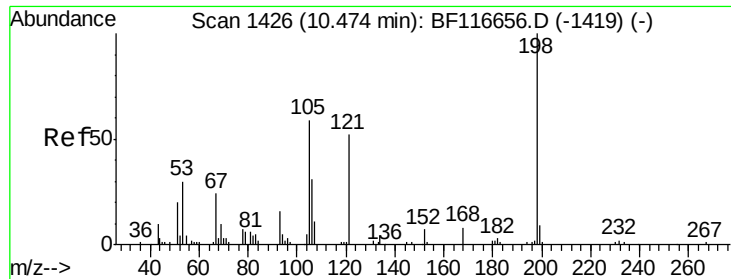
Tot Ion:	77	Resp:	160903
Ion	Ratio	Lower	Upper
77	100		
182	27.0	1.2	41.2
105	25.3	0.6	40.6
51	68.2	8.2	48.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion:	188	Resp:	216944
Ion	Ratio	Lower	Upper
188	100		
94	12.1	7.3	10.9#
80	14.0	8.4	12.6#

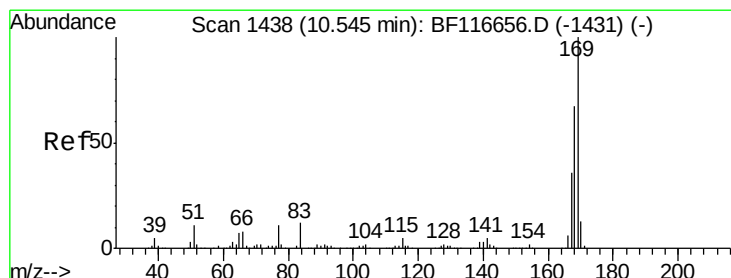
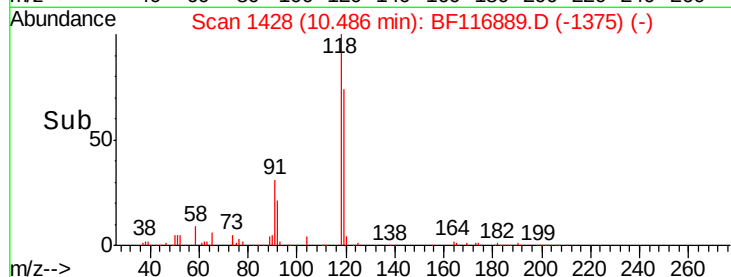
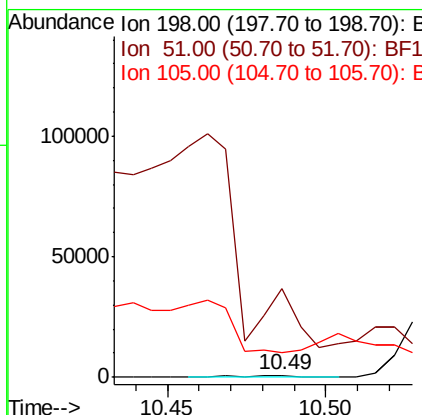
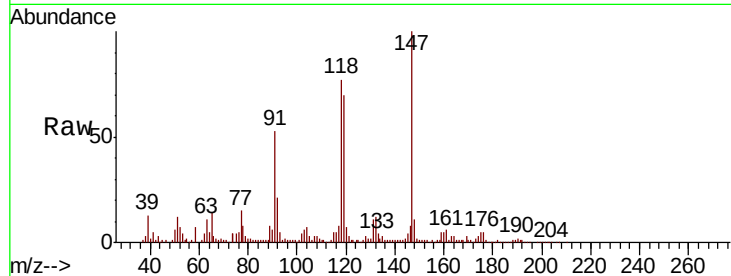




#65
4,6-Dinitro-2-methylphenol
Concen: 8.593 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

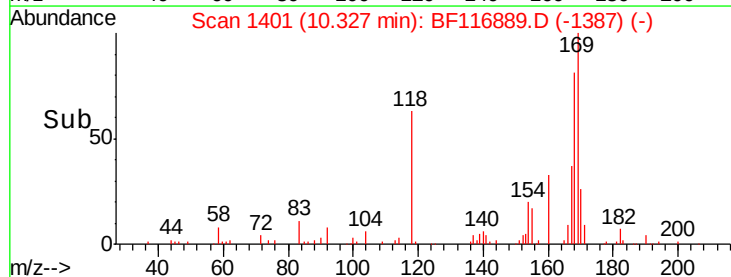
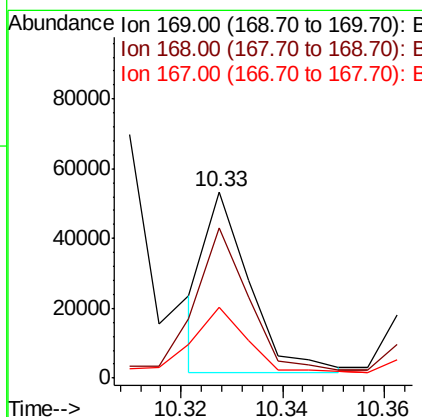
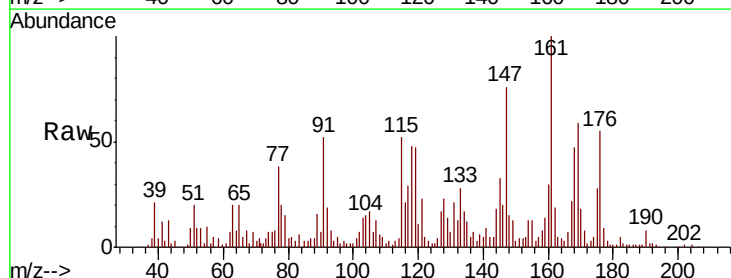
Instrument :
BNA_F
ClientSampled :

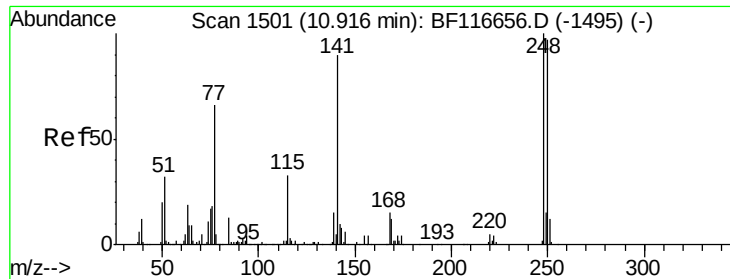
Tot Ion:198 Resp: 1080
Ion Ratio Lower Upper
198 100
51 3846.3 18.4 58.4#
105 1049.9 22.9 62.9#



#66
n-Nitrosodiphenylamine
Concen: 4.129 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.22 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion:169 Resp: 30989
Ion Ratio Lower Upper
169 100
168 80.8 55.8 83.6
167 38.3 29.4 44.2

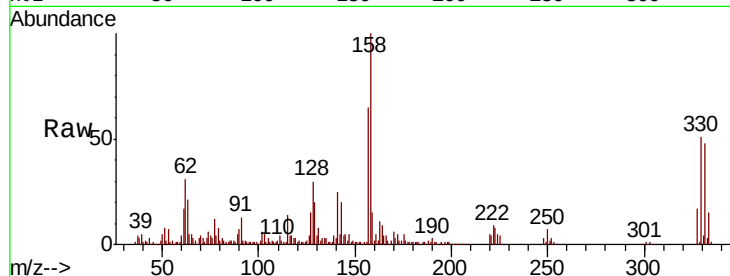




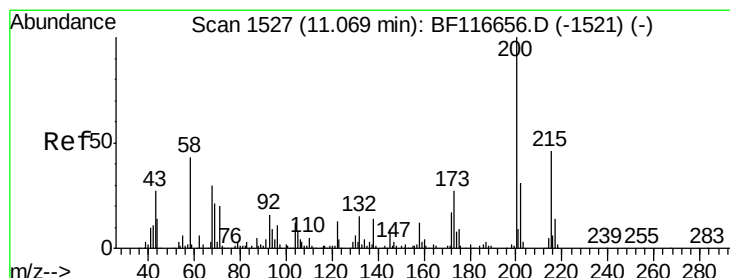
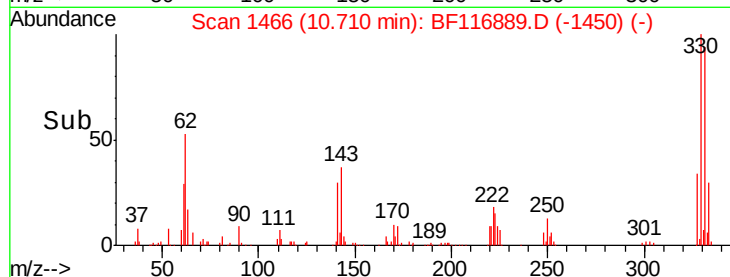
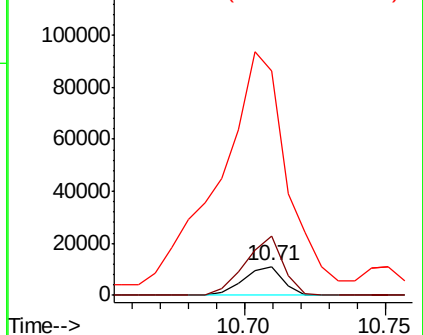
#67
4-Bromophenyl-phenylether
Concen: 4.837 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.21 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10661
Ion Ratio Lower Upper
248 100
250 203.0 77.8 116.8#
141 774.4 75.9 113.9#

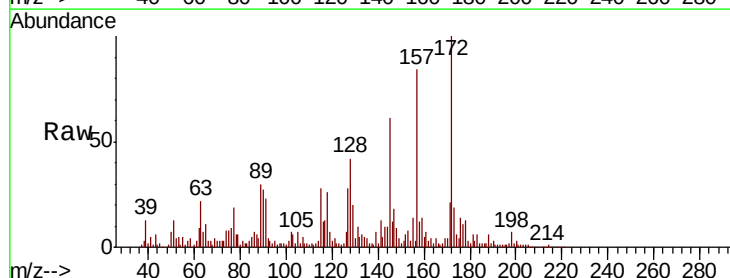


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

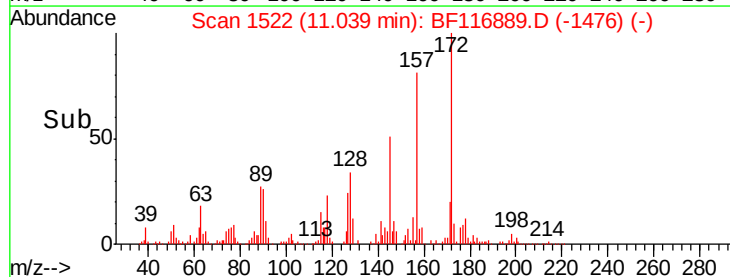
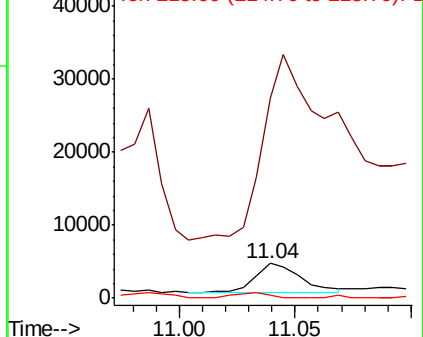


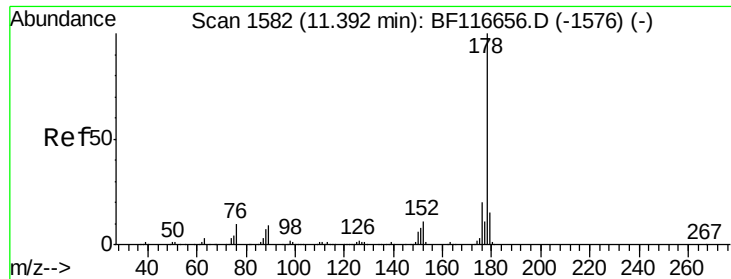
#69
Atrazine
Concen: 2.729 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.03 min
Lab File: BF116889.D
Acq: 9 Sep 2019 1:02

Tgt Ion:200 Resp: 5737
Ion Ratio Lower Upper
200 100
173 577.2 6.2 46.2#
215 8.9 24.3 64.3#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#71

Phenanthrene

Concen: 14.805 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

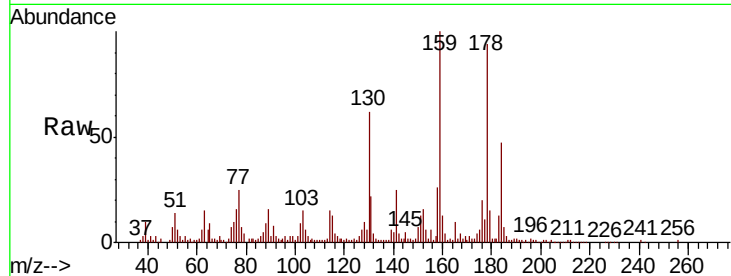
Tot Ion:178 Resp: 178787

Ion Ratio Lower Upper

178 100

176 20.9 15.4 23.0

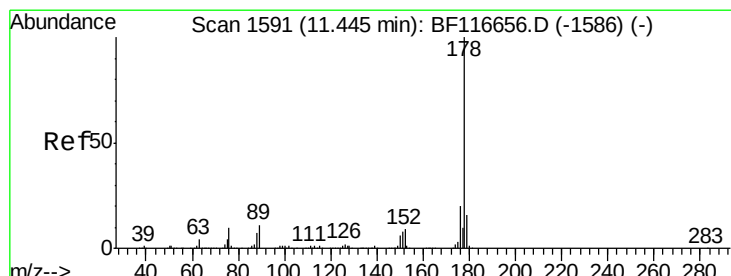
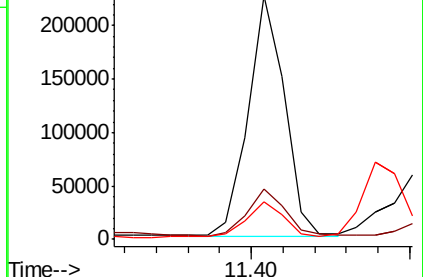
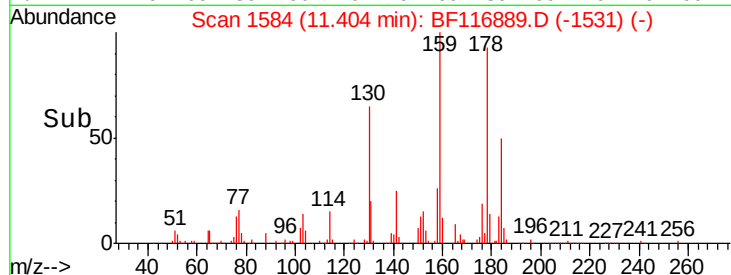
179 15.7 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 14.707 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.04 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

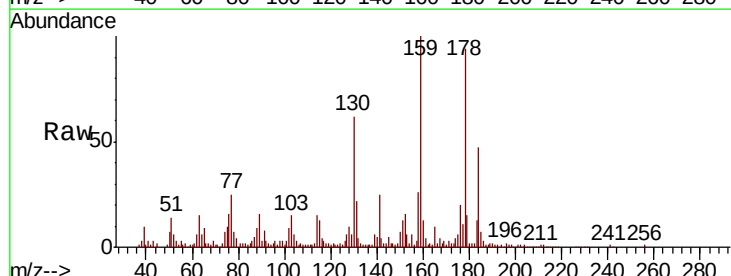
Tgt Ion:178 Resp: 178787

Ion Ratio Lower Upper

178 100

176 20.9 15.4 23.0

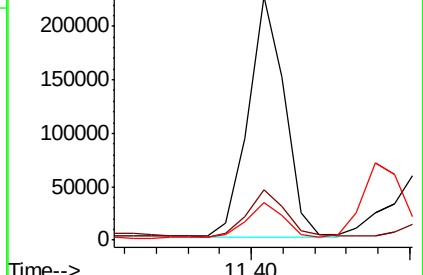
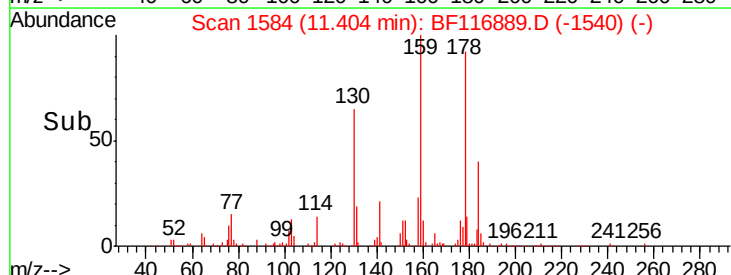
179 15.7 12.5 18.7

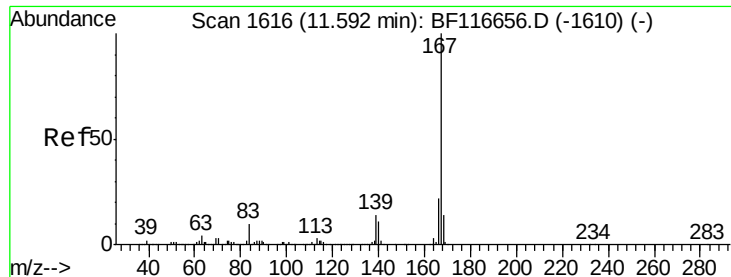


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

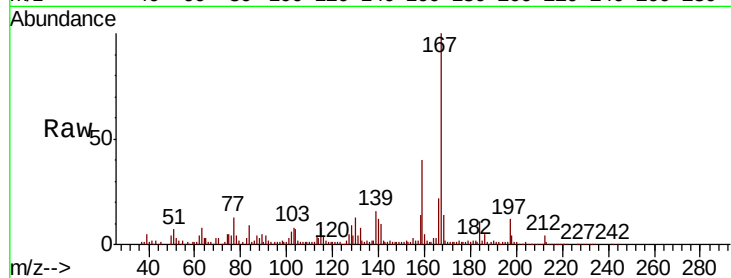




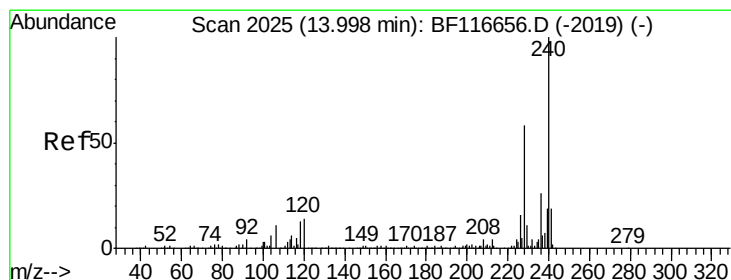
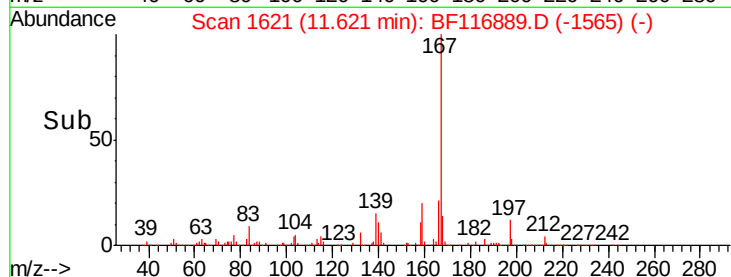
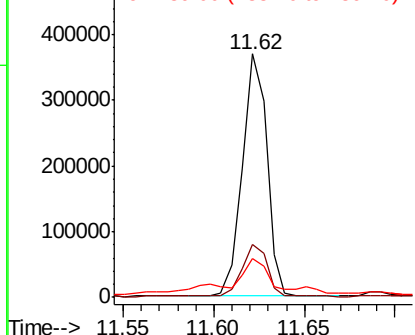
#73
 Carbazole
 Concen: 30.002 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. 0.03 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	15.7	11.1	16.7

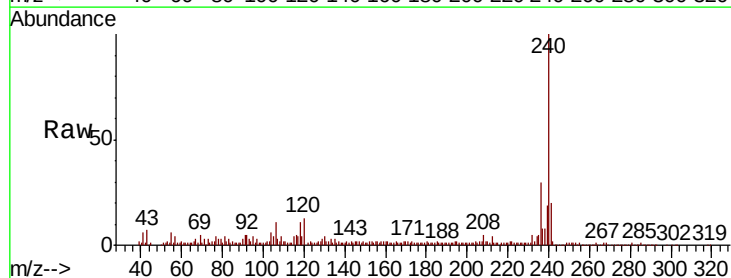


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

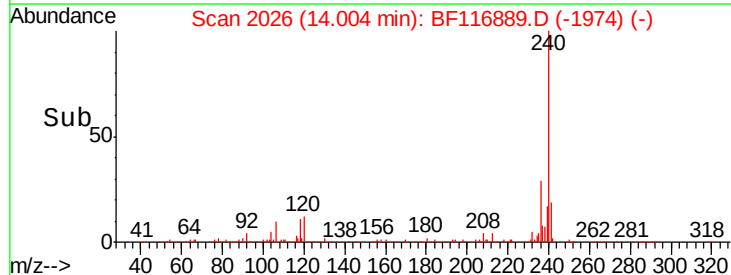
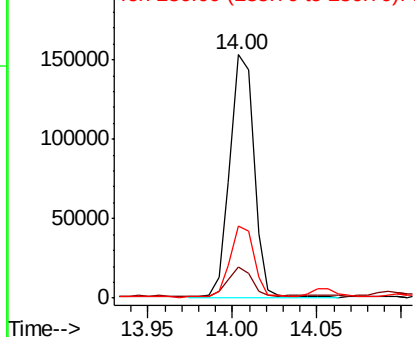


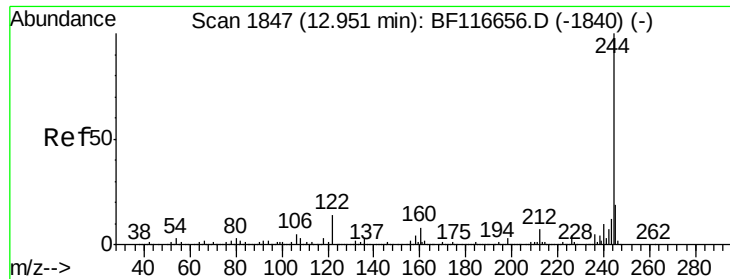
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF116889.D
 Acq: 9 Sep 2019 1:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.1	13.7
236	29.5	21.1	31.7



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





#79

Terphenyl-d14

Concen: 82.398 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

Instrument :

BNA_F

ClientSampleId :

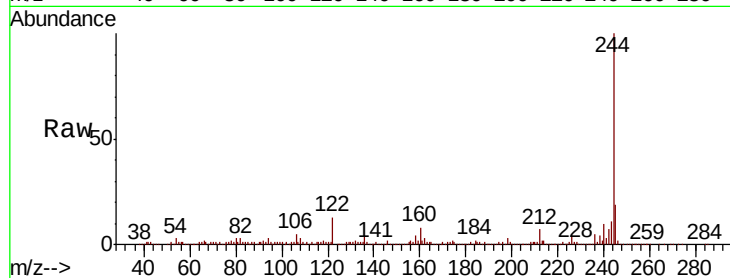
Tot Ion:244 Resp: 673138

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

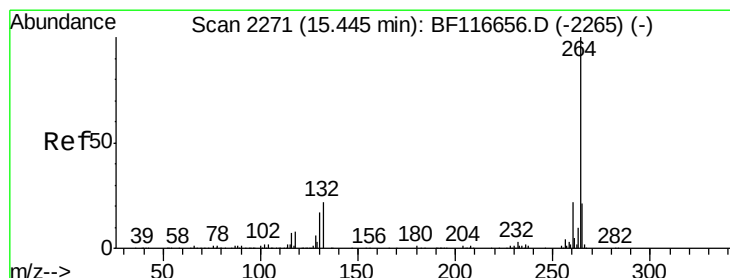
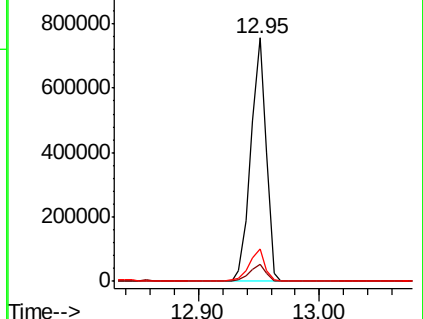
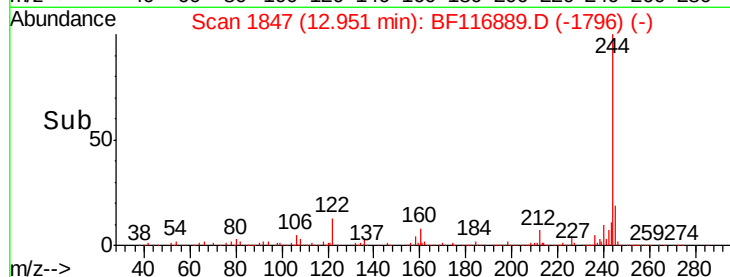
122 13.4 10.2 15.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116889.D

Acq: 9 Sep 2019 1:02

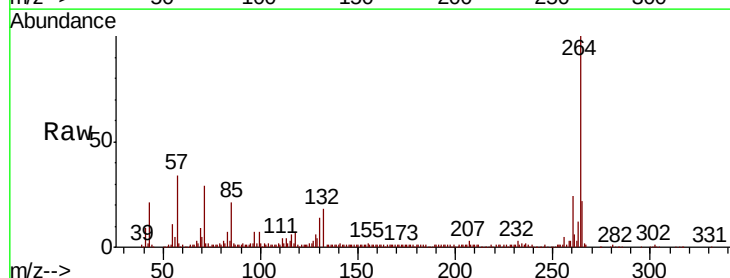
Tgt Ion:264 Resp: 173236

Ion Ratio Lower Upper

264 100

260 24.2 18.3 27.5

265 22.5 16.5 24.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

