

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117516.D
 Acq On : 24 Oct 2019 17:59
 Operator : JU
 Sample : K5499-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 194-84-(0-1)

Quant Time: Oct 25 01:05:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	39474	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	160312	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	79940	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	113711	20.00	ng	0.00
76) Chrysene-d12	13.89	240	74103	20.00	ng	0.00
87) Perylene-d12	15.33	264	85409	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	237723	89.59	ng	0.00
7) Phenol-d6	6.39	99	322297	90.44	ng	0.00
23) Nitrobenzene-d5	7.30	82	202164	62.26	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	53327	77.10	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	312185	55.02	ng	0.00
79) Terphenyl-d14	12.83	244	190086	41.84	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.50	93	382	0.091	ng	# 1
9) Benzaldehyde	6.51	77	6075	0.322	ng	87
10) Phenol	6.40	94	9901	2.722	ng	95
11) bis(2-Chloroethyl)ether	6.50	93	382	0.142	ng	# 1
12) 1,3-Dichlorobenzene	6.75	146	1050	0.336	ng	# 82
13) 1,4-Dichlorobenzene	6.75	146	1050	0.331	ng	# 87
14) 1,2-Dichlorobenzene	6.75	146	1050	0.351	ng	89
15) Benzyl Alcohol	6.89	79	3143	1.234	ng	# 49
19) n-Nitroso-di-n-propylamine	7.30	70	26467	12.161	ng	# 78
22) Acetophenone	7.16	105	268	0.063	ng	# 55
24) Nitrobenzene	7.30	77	399	0.128	ng	# 41
25) Isophorone	7.30	82	202163	35.988	ng	# 65
31) Naphthalene	8.03	128	3915	0.493	ng	# 95
33) 4-Chloroaniline	8.13	127	372	0.111	ng	# 47
37) 2-Methylnaphthalene	8.73	142	1614	0.301	ng	84
38) 1-Methylnaphthalene	8.83	142	1114	0.221	ng	# 96
46) 1,1'-Biphenyl	9.19	154	1094	0.165	ng	89
47) 2-Chloronaphthalene	9.48	162	317	0.064	ng	# 1
48) 2-Nitroaniline	9.48	65	442	0.270	ng	# 1
49) Acenaphthylene	9.63	152	2968	0.405	ng	# 94
50) Dimethylphthalate	9.48	163	55880	9.805	ng	99
51) 2,6-Dinitrotoluene	9.48	165	483	0.406	ng	# 1
52) Acenaphthene	9.79	154	3470	0.772	ng	88
55) Dibenzofuran	9.97	168	2757	0.423	ng	90
56) 4-Nitrophenol	9.97	139	1068	5.655	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	10226	6.468	ng	# 12
58) Fluorene	10.32	166	4534	0.842	ng	90
63) Azobenzene	10.56	77	445	0.075	ng	# 1
66) n-Nitrosodiphenylamine	10.43	169	365	0.088	ng	# 81
67) 4-Bromophenyl-phenylether	10.56	248	3152	2.573	ng	# 1
71) Phenanthrene	11.27	178	79908	12.102	ng	99
72) Anthracene	11.33	178	17473	2.579	ng	98
73) Carbazole	11.49	167	7102	1.147	ng	# 93
74) Di-n-butylphthalate	11.80	149	10484	1.267	ng	98

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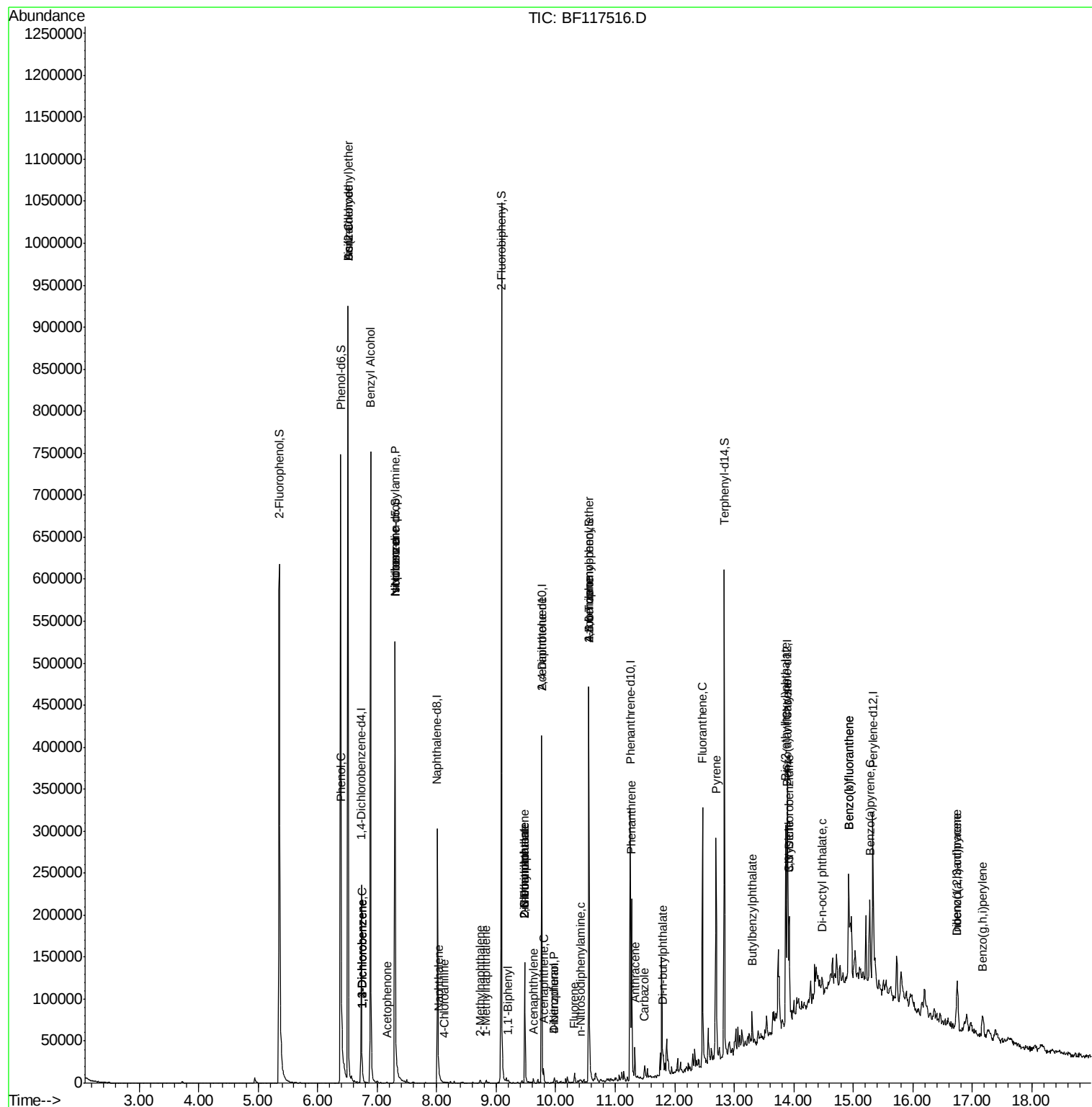
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluoranthene	12.46	202	119185	18.031	nq	99
77) Benzidine	12.83	184	2442	Below Cal	#	91
78) Pyrene	12.69	202	101478	15.943	nq	98
80) Butylbenzylphthalate	13.30	149	8957	2.828	nq	98
81) Benzo(a)anthracene	13.88	228	48912	9.785	nq	98
82) 3,3'-Dichlorobenzidine	13.92	252	125	0.080	nq	# 1
83) Chrysene	13.92	228	50520	10.313	nq	95
84) Bis(2-ethylhexyl)phthalate	13.86	149	61474	13.855	nq	# 97
85) Di-n-octyl phthalate	14.47	149	5156	0.756	nq	# 53
86) Indeno(1,2,3-cd)pyrene	16.74	276	23630	6.461	nq	97
88) Benzo(b)fluoranthene	14.92	252	85878	17.027	nq	97
89) Benzo(k)fluoranthene	14.92	252	85878	16.613	nq	# 96
90) Benzo(a)pyrene	15.27	252	45863	10.002	nq	# 96
91) Dibenzo(a,h)anthracene	16.74	278	6610	1.667	nq	# 80
92) Benzo(a,h,i)perylene	17.17	276	21822	5.817	nq	98

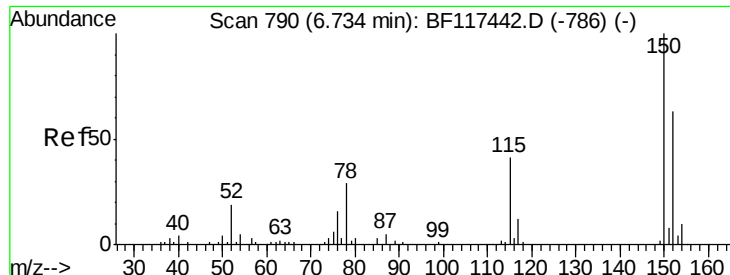
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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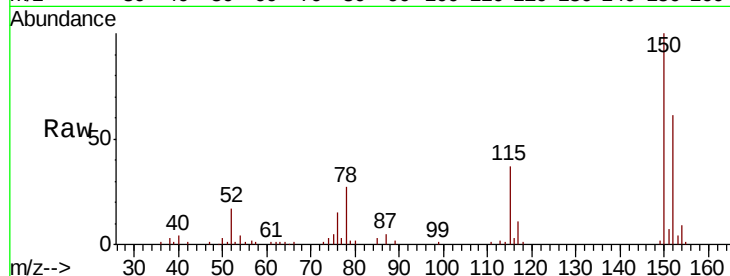


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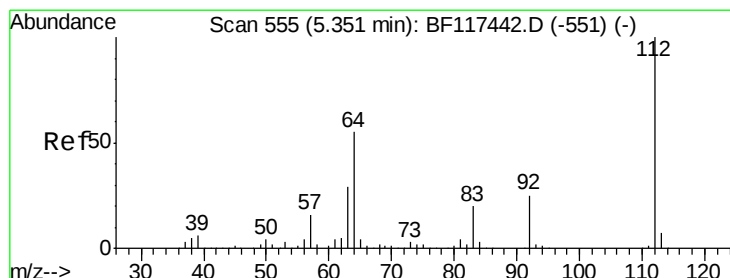
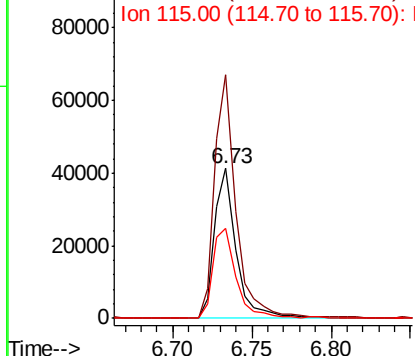
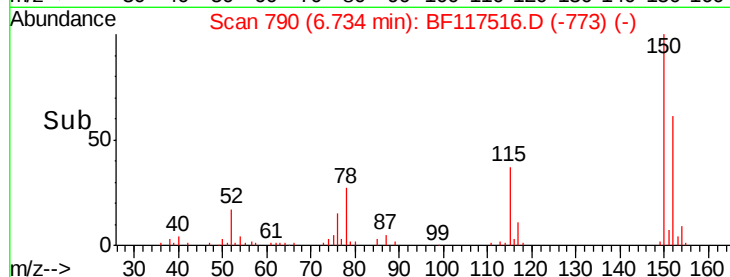
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion:152 Resp: 39474
Ion Ratio Lower Upper
152 100
150 162.7 126.8 190.2
115 59.8 51.6 77.4



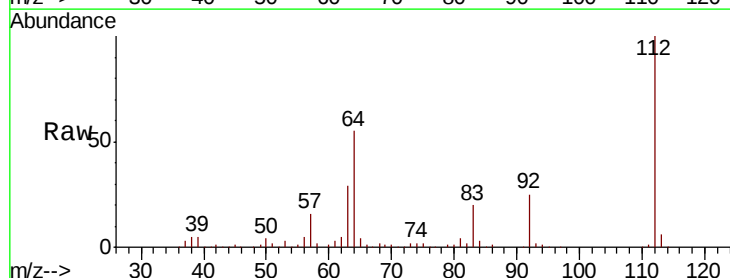
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



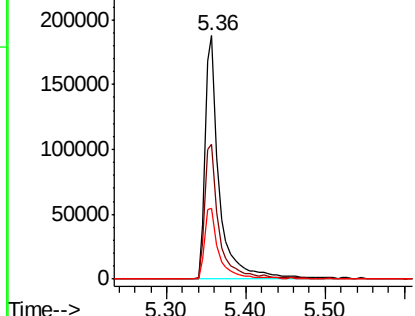
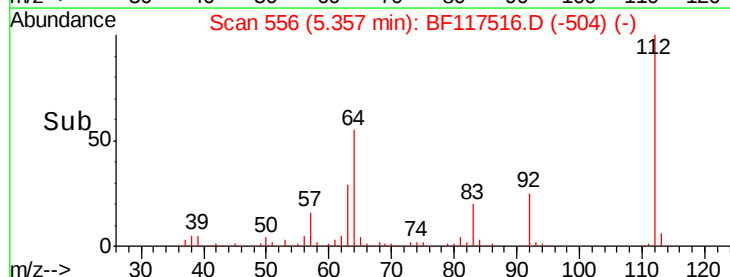
#5

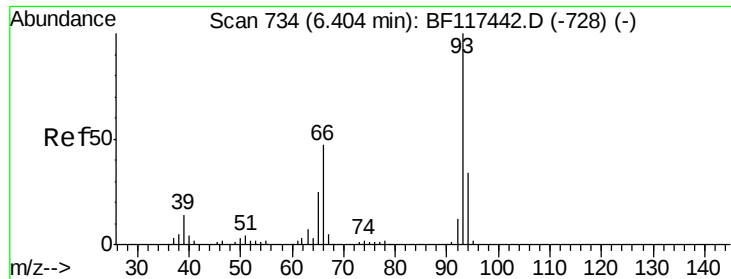
2-Fluorophenol
Concen: 89.594 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:112 Resp: 237723
Ion Ratio Lower Upper
112 100
64 55.1 44.1 66.1
63 29.1 23.4 35.2



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: 0.091 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.10 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

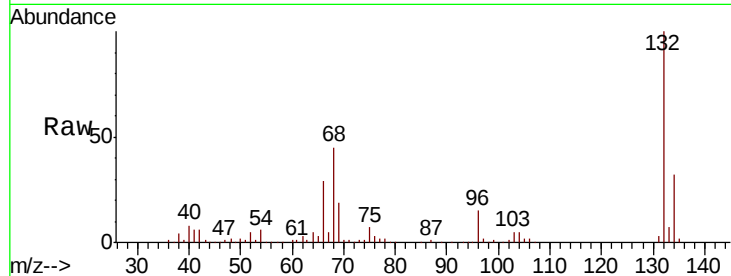
Tot Ion: 93 Resp: 382

Ion Ratio Lower Upper

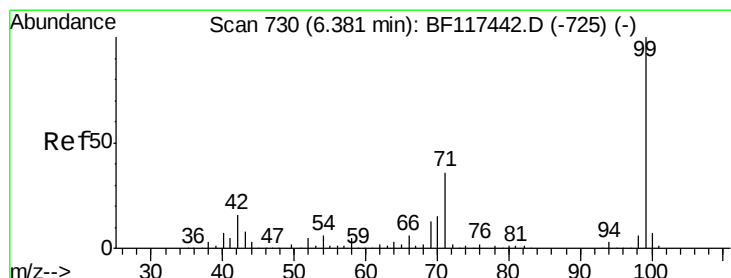
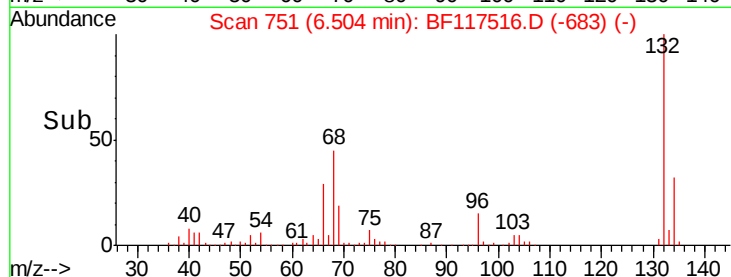
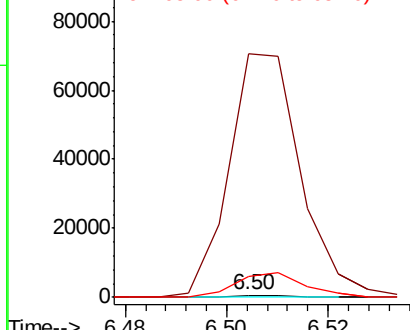
93 100

66 10721.0 38.7 58.1#

65 940.4 20.1 30.1#



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: 90.438 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

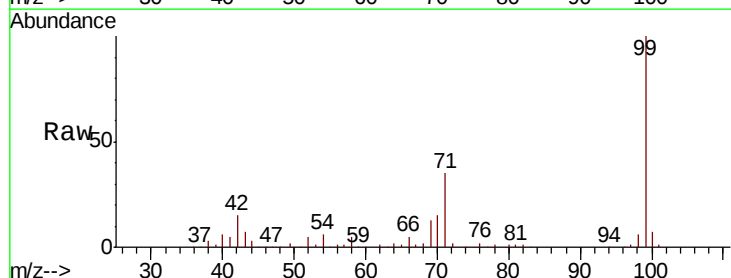
Tgt Ion: 99 Resp: 322297

Ion Ratio Lower Upper

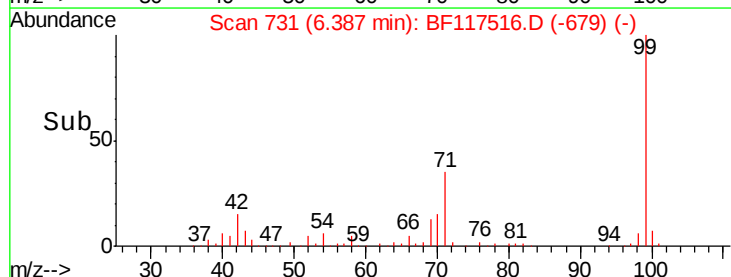
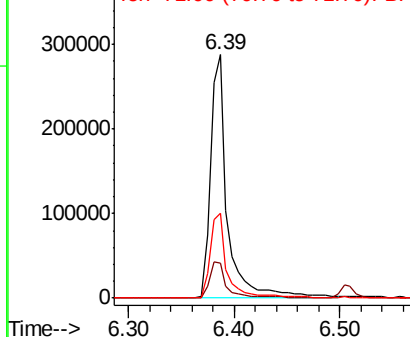
99 100

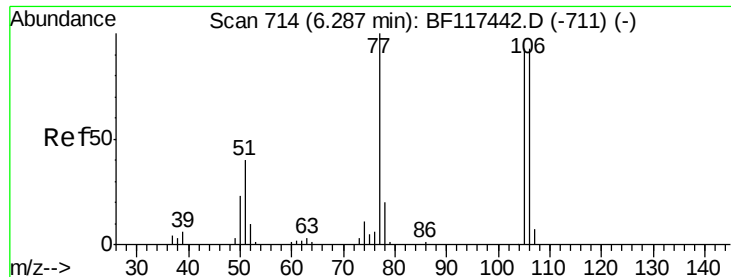
42 14.6 12.8 19.2

71 34.7 28.6 43.0



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: 0.322 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.22 min

Lab File: BF117516.D

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194-84-(0-1)

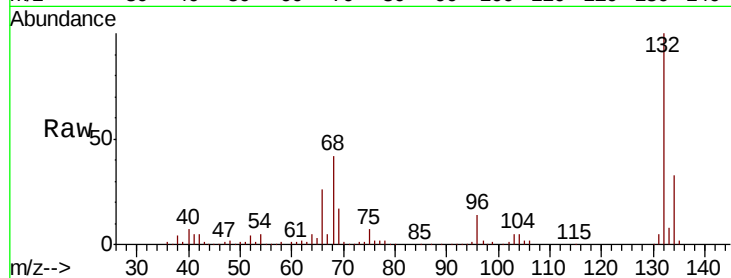
Tot Ion: 77 Resp: 6075

Ion Ratio Lower Upper

77 100

105 87.8 73.4 113.4

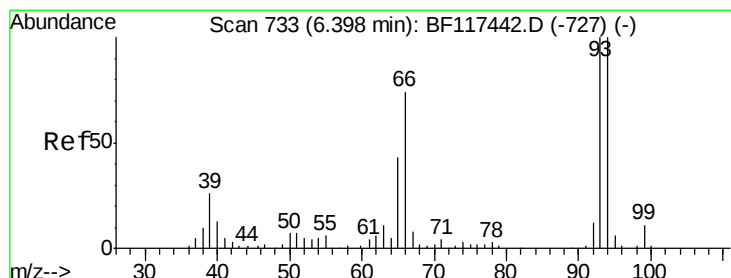
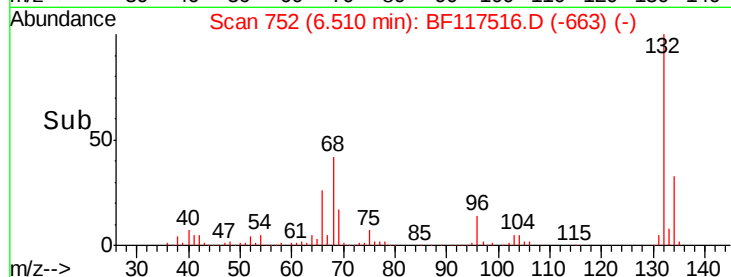
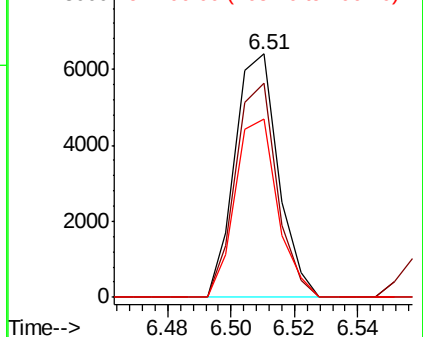
106 73.5 73.0 113.0



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: 2.722 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

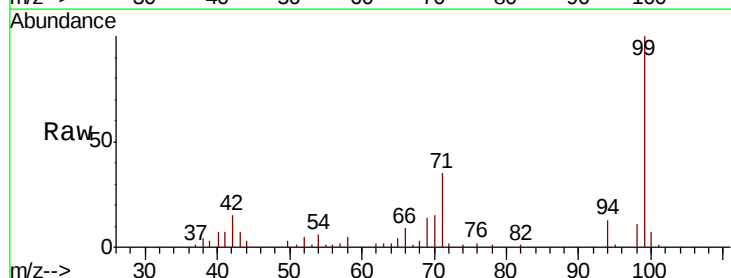
Tgt Ion: 94 Resp: 9901

Ion Ratio Lower Upper

94 100

65 35.2 23.4 63.4

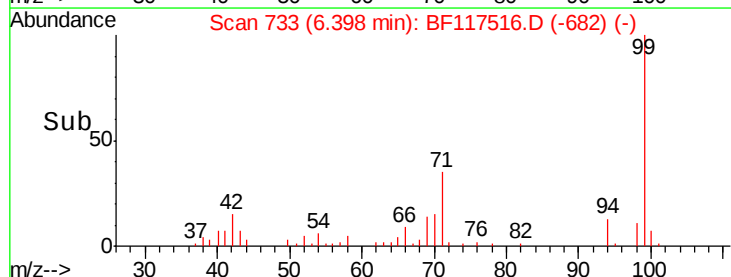
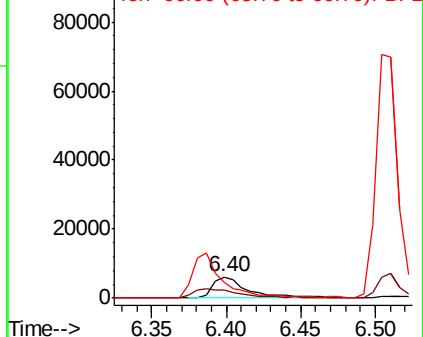
66 73.8 54.7 94.7

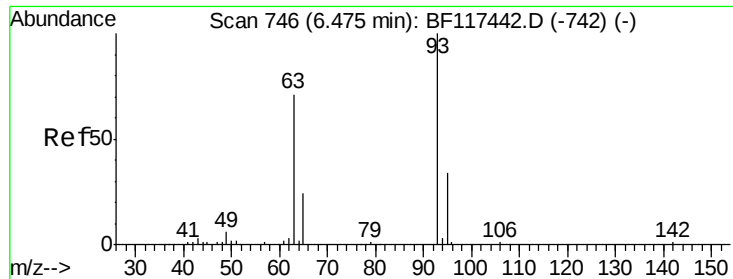


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

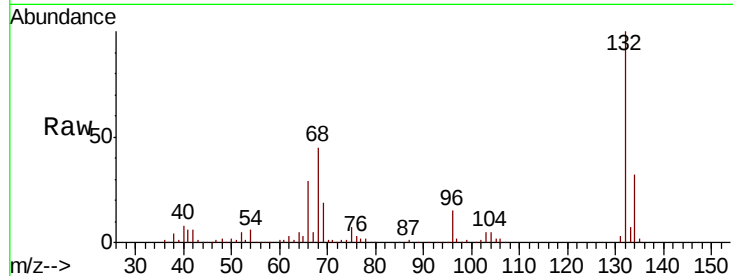




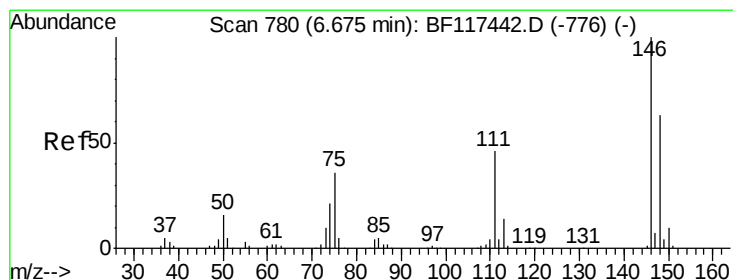
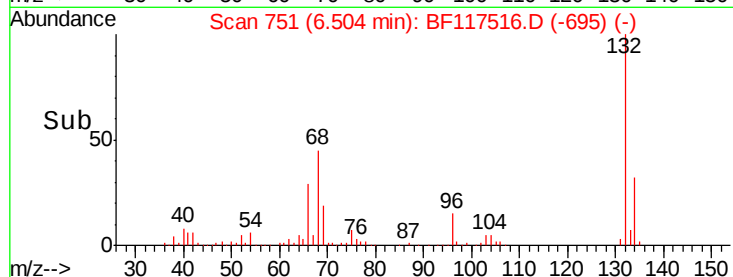
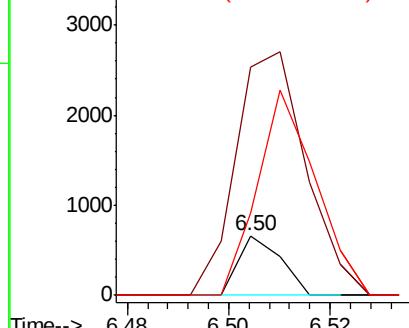
#11
bis(2-Chloroethyl)ether
Concen: 0.142 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.03 min
Lab File: BF117516.D
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194-84-(0-1)

Tot Ion: 93 Resp: 382
Ion Ratio Lower Upper
93 100
63 384.5 50.2 90.2#
95 139.5 13.9 53.9#

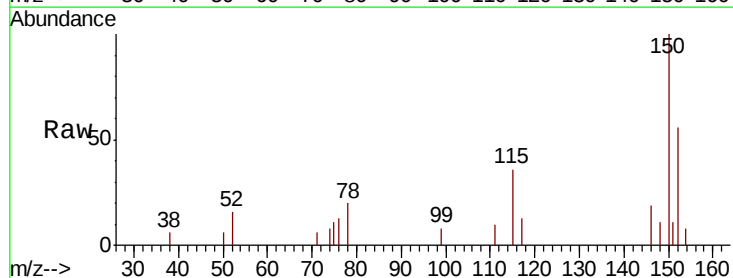


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

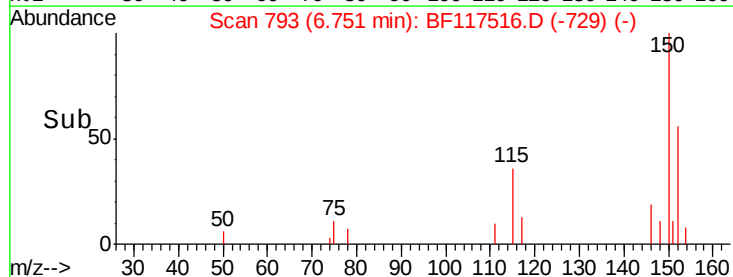
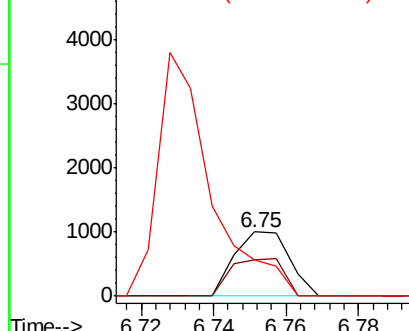


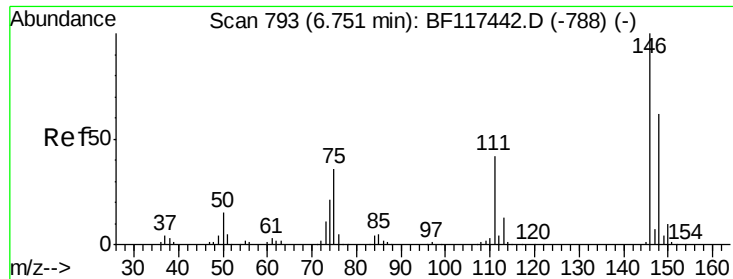
#12
1,3-Dichlorobenzene
Concen: 0.336 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.08 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion: 146 Resp: 1050
Ion Ratio Lower Upper
146 100
148 56.4 50.6 75.8
75 56.7 28.6 43.0#



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

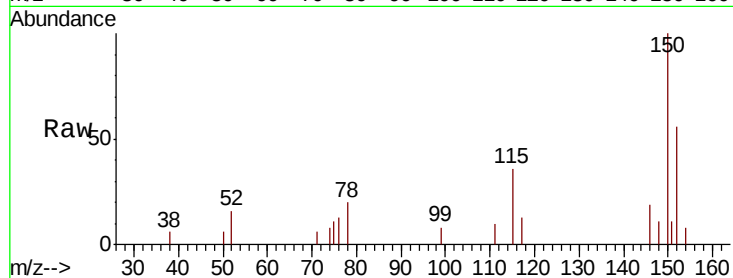




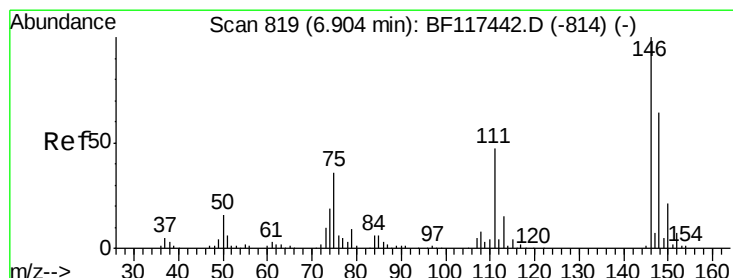
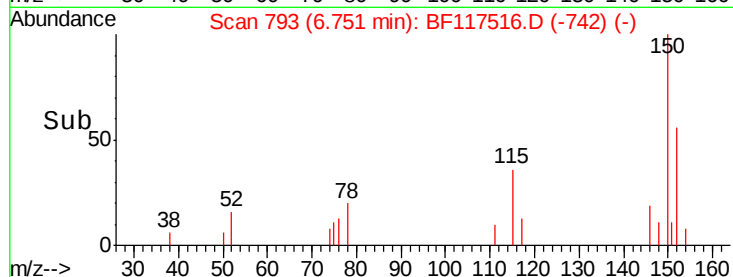
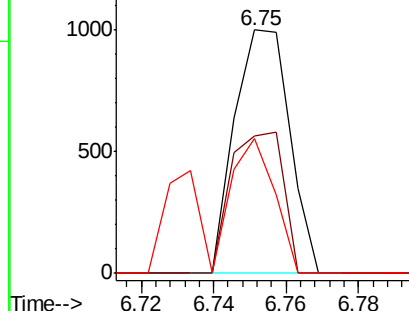
#13
 1,4-Dichlorobenzene
 Concen: 0.331 ng
 RT: 6.75 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Instrument :
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 ClientSampleId :
 194-84-(0-1)

Tot Ion:146 Resp: 1050
 Ion Ratio Lower Upper
 146 100
 148 56.4 49.3 73.9
 111 55.6 33.6 50.4#

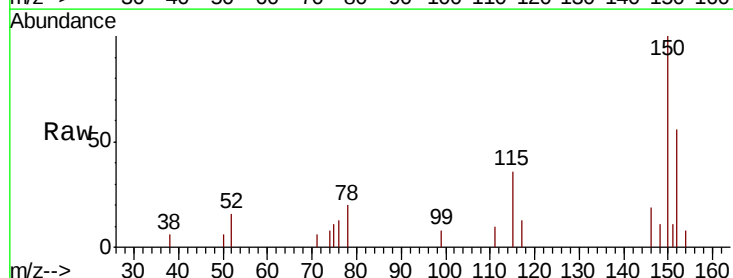


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

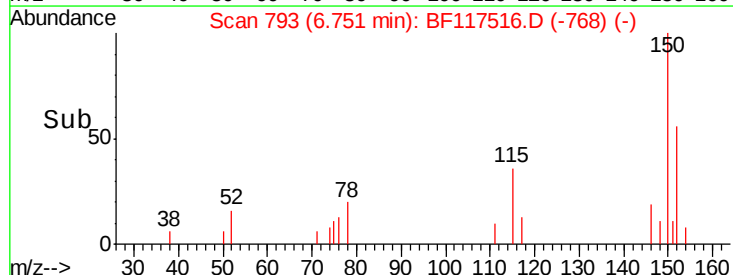
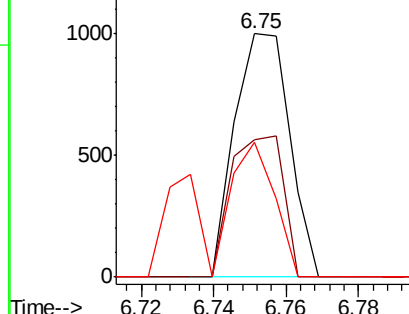


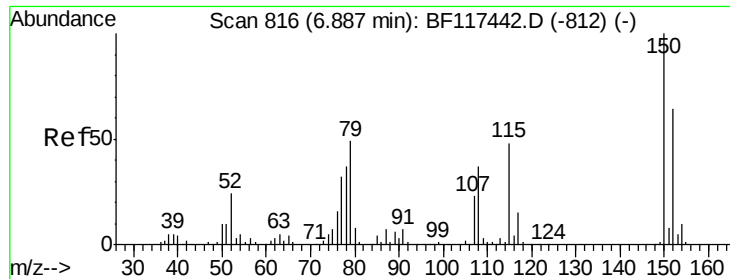
#14
 1,2-Dichlorobenzene
 Concen: 0.351 ng
 RT: 6.75 min Scan# 793
 Delta R.T. -0.15 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Tgt Ion:146 Resp: 1050
 Ion Ratio Lower Upper
 146 100
 148 56.4 51.4 77.0
 111 55.6 37.7 56.5



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

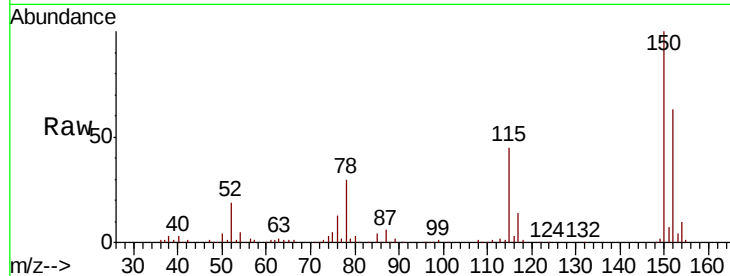




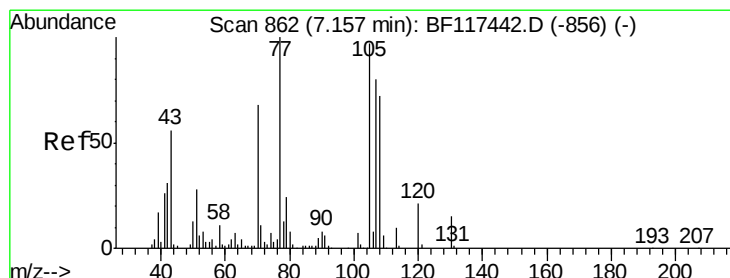
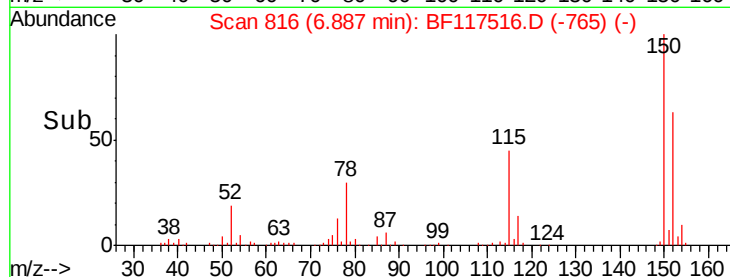
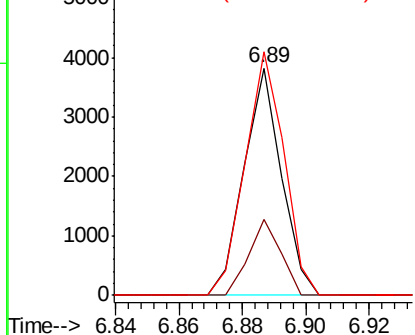
#15
Benzyl Alcohol
Concen: 1.234 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampled :
194-84-(0-1)

Tot Ion: 79 Resp: 3143
Ion Ratio Lower Upper
79 100
108 33.4 59.8 89.8#
77 107.1 51.4 77.0#

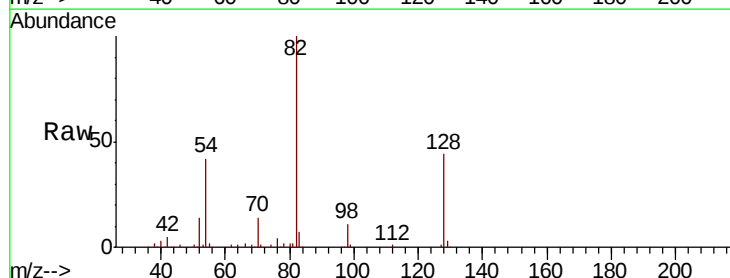


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

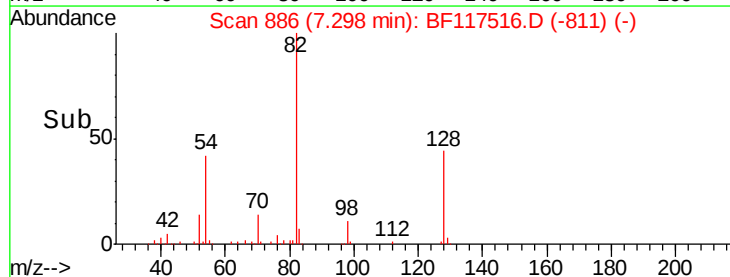
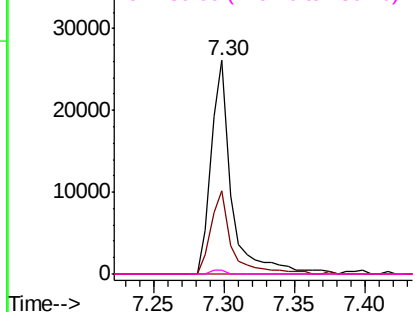


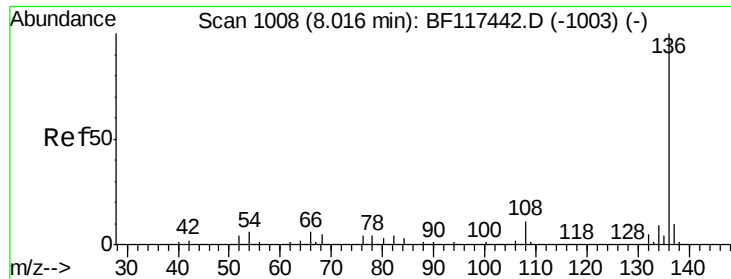
#19
n-Nitroso-di-n-propylamine
Concen: 12.161 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion: 70 Resp: 26467
Ion Ratio Lower Upper
70 100
42 39.0 36.7 55.1
101 0.0 8.3 12.5#
130 2.0 18.1 27.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

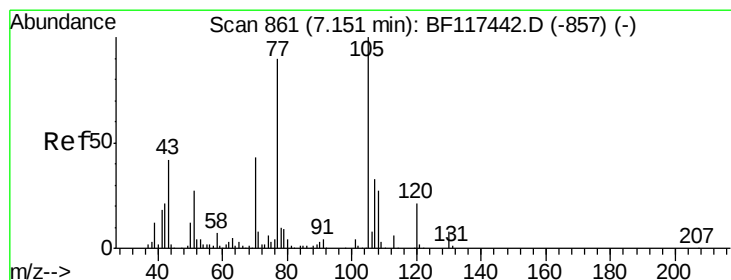
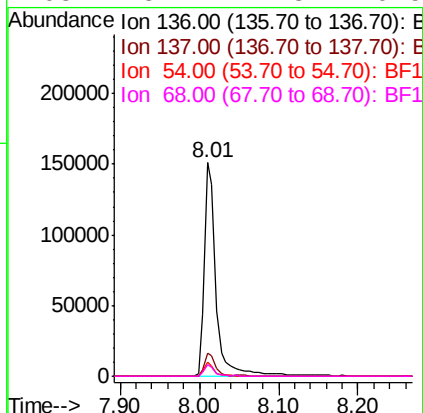
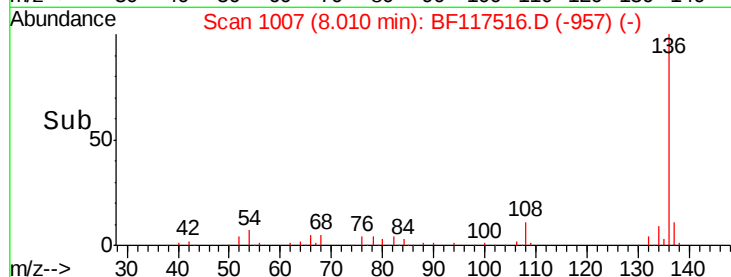
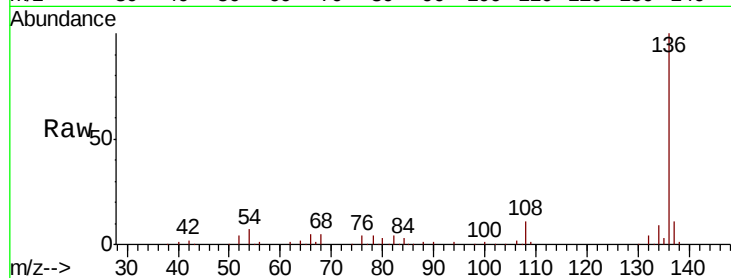




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

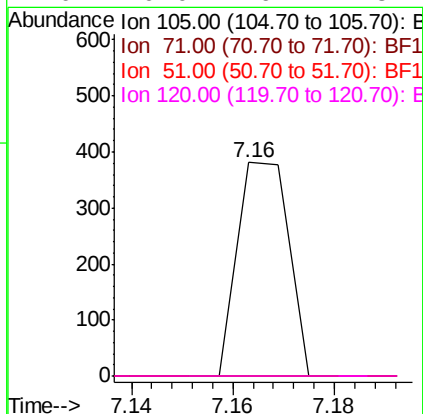
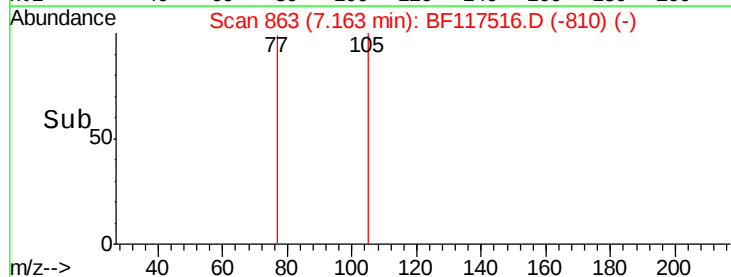
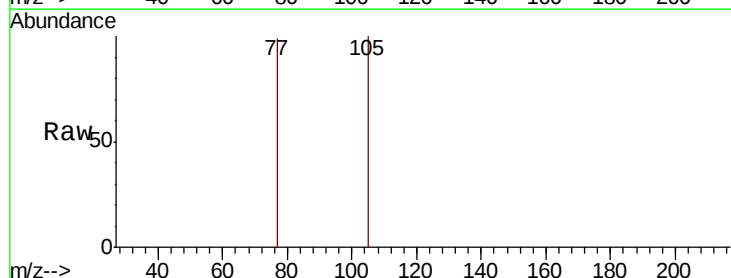
Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

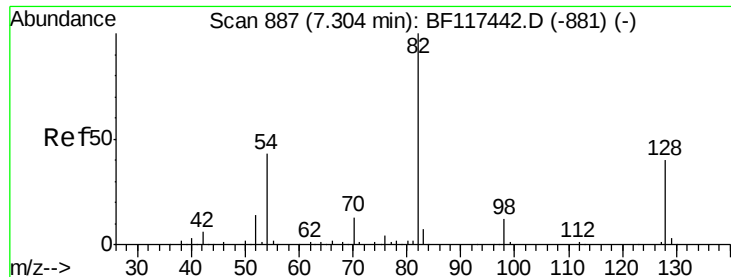
Tot Ion:136	Resp:	160312
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.2 12.4
54	6.9	4.5 6.7#
68	5.4	4.3 6.5



#22
Acetophenone
Concen: 0.063 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:105	Resp:	268
Ion Ratio	Lower	Upper
105	100	
71	0.0	6.2 9.2#
51	0.0	21.8 32.6#
120	0.0	16.7 25.1#

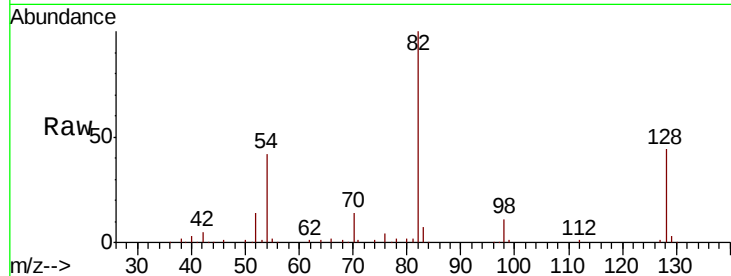




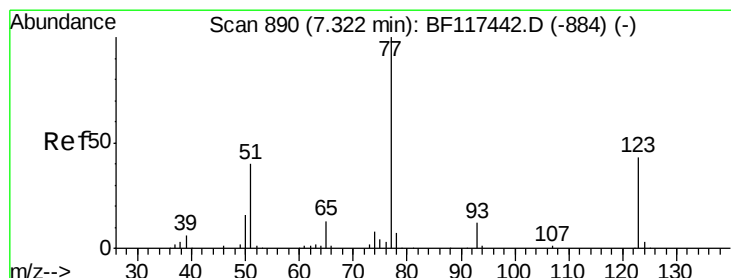
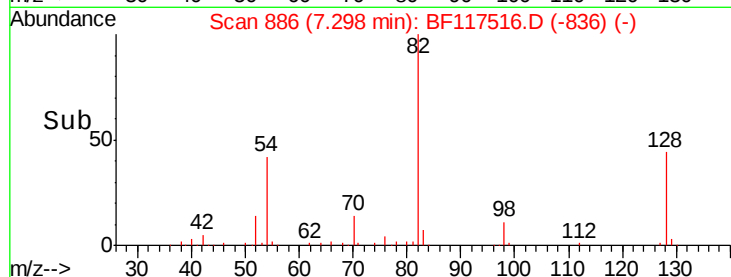
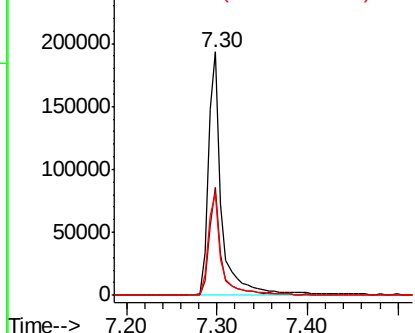
#23
Nitrobenzene-d5
Concen: 62.256 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion: 82 Resp: 202164
Ion Ratio Lower Upper
82 100
128 44.3 32.2 48.2
54 41.8 34.2 51.2

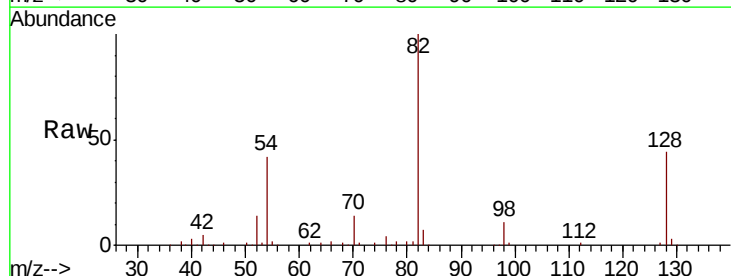


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

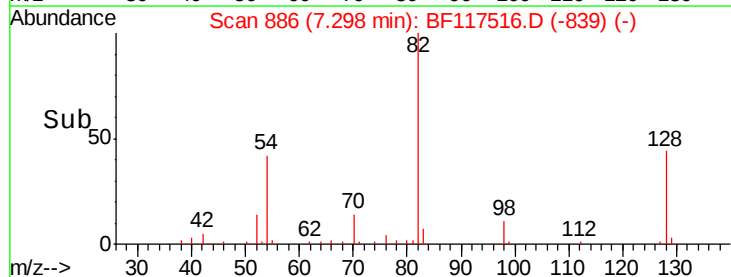
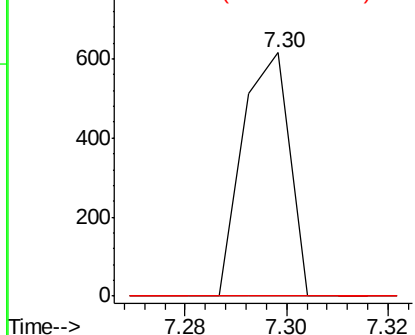


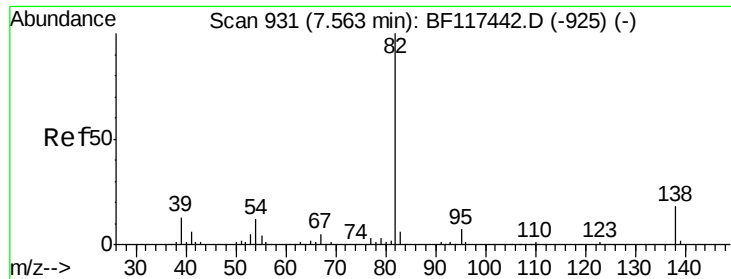
#24
Nitrobenzene
Concen: 0.128 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion: 77 Resp: 399
Ion Ratio Lower Upper
77 100
123 0.0 34.2 51.2#
65 0.0 10.3 15.5#



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: 35.988 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

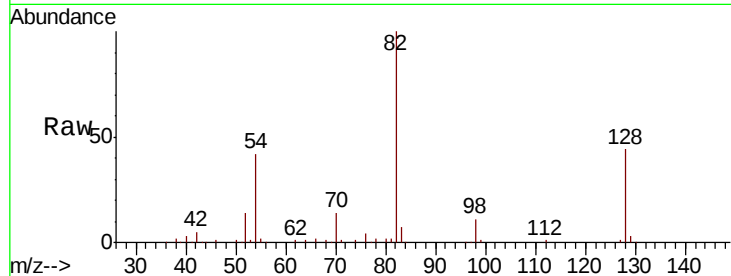
Tot Ion: 82 Resp: 202163

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

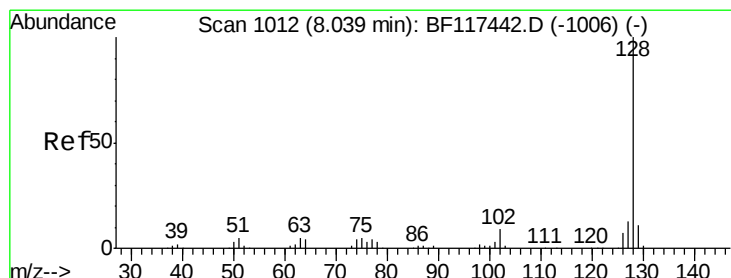
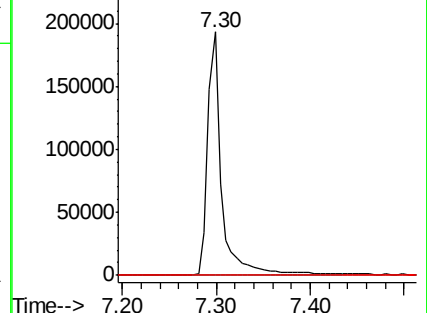
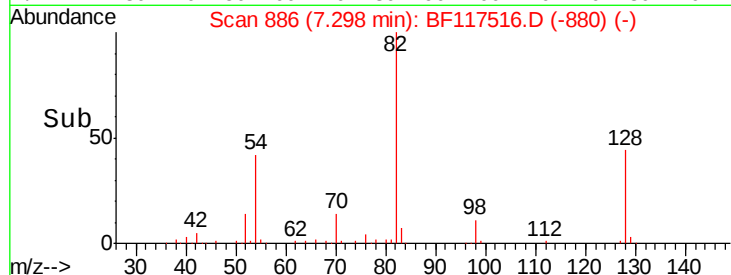
138 0.0 14.2 21.2#



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



#31

Naphthalene

Concen: 0.493 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

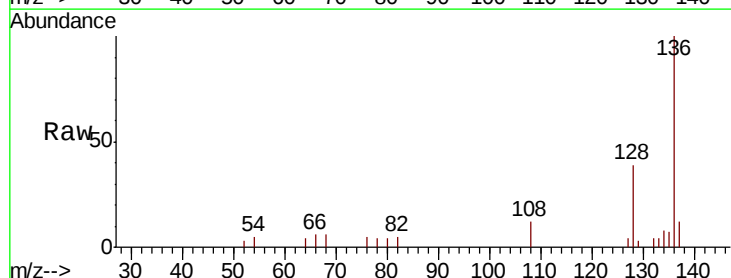
Tgt Ion: 128 Resp: 3915

Ion Ratio Lower Upper

128 100

129 8.7 9.0 13.4#

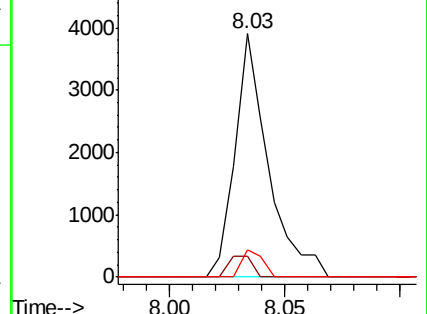
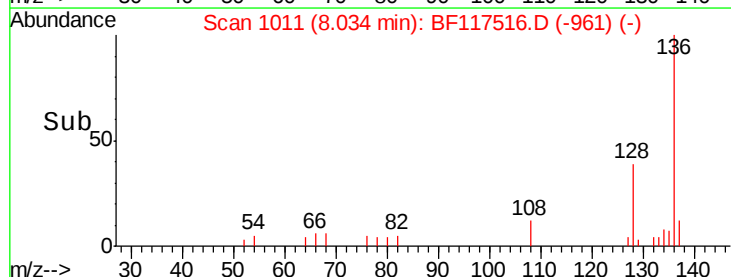
127 11.0 10.2 15.2

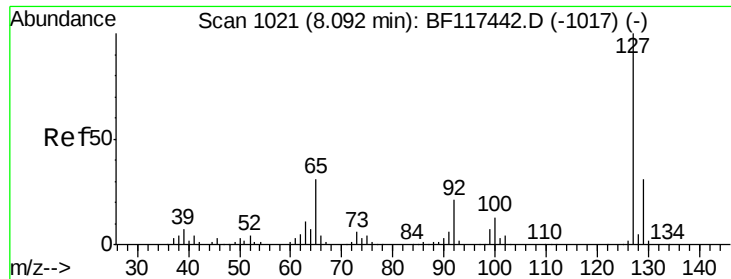


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

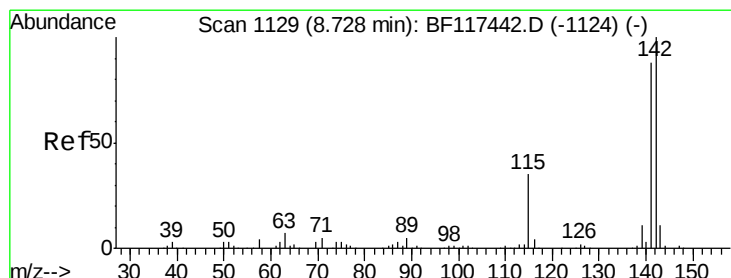
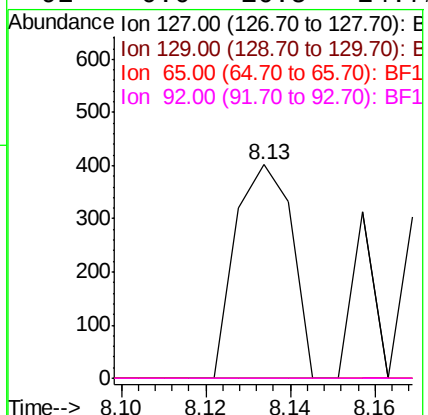
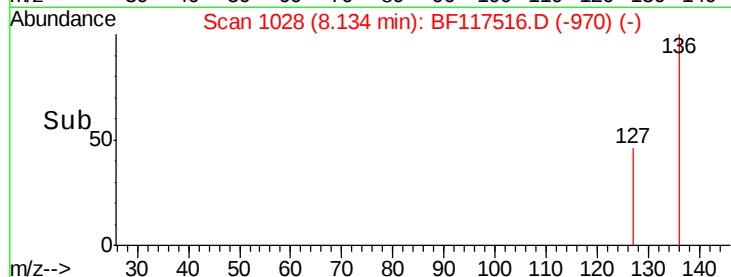
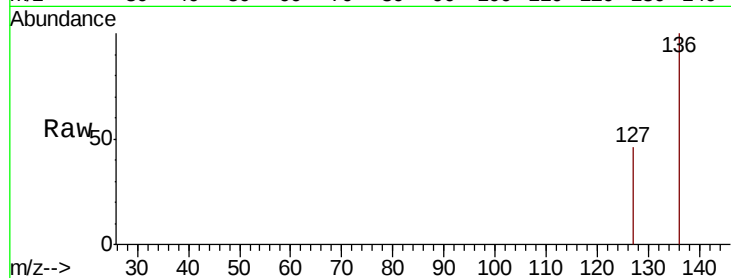




#33
4-Chloroaniline
Concen: 0.111 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.04 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

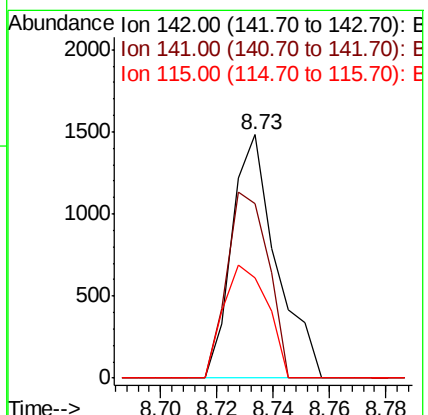
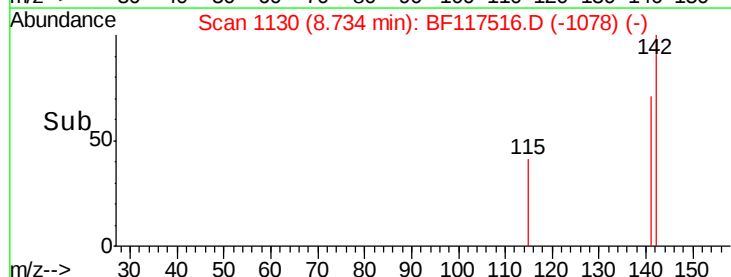
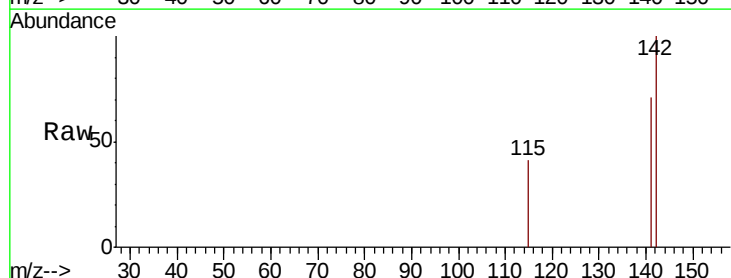
Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

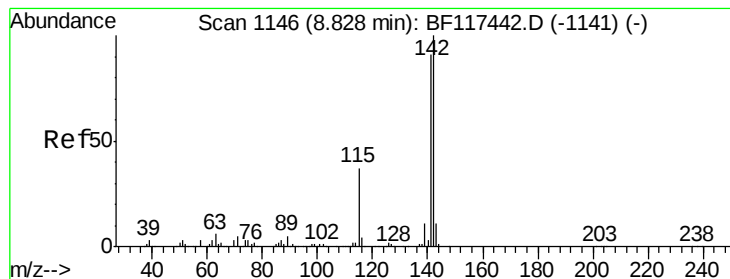
Tot Ion:127	Resp:	372
Ion Ratio	Lower	Upper
127	100	
129	0.0	24.8 37.2#
65	0.0	24.6 37.0#
92	0.0	16.5 24.7#



#37
2-Methylnaphthalene
Concen: 0.301 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:142	Resp:	1614
Ion Ratio	Lower	Upper
142	100	
141	71.5	70.3 105.5
115	41.2	28.2 42.2





#38

1-Methylnaphthalene

Concen: 0.221 ng

RT: 8.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

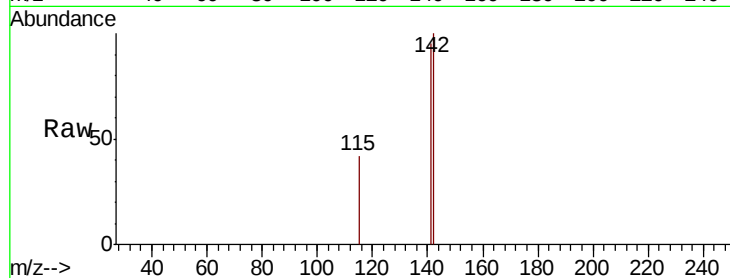
Tot Ion:142 Resp: 1114

Ion Ratio Lower Upper

142 100

141 94.8 73.3 109.9

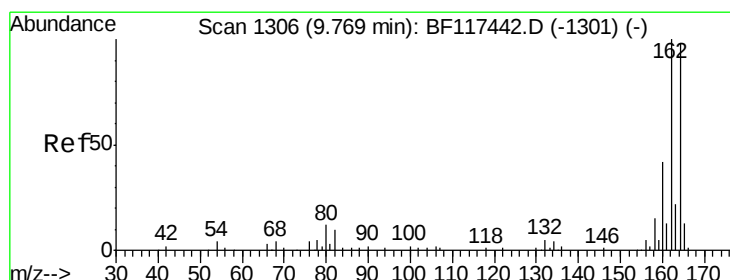
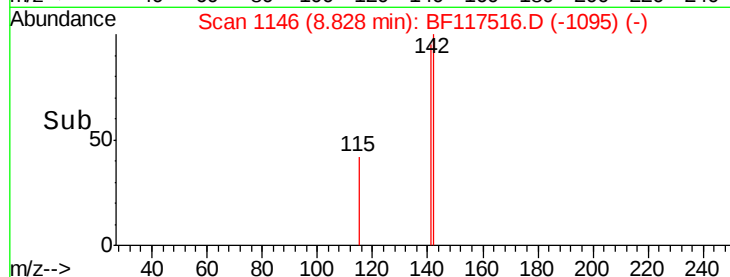
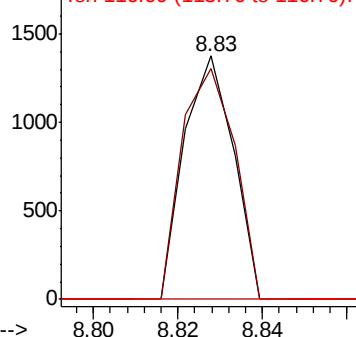
116 0.0 3.1 4.7#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

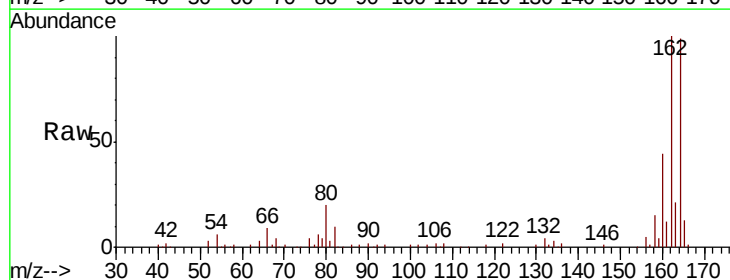
Tgt Ion:164 Resp: 79940

Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.6

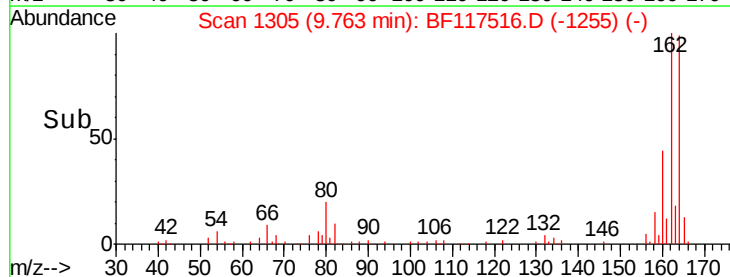
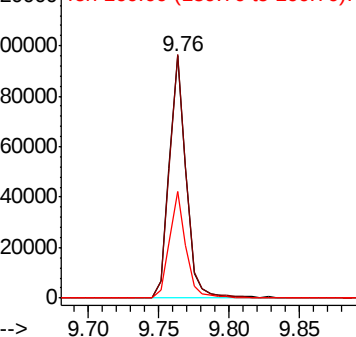
160 43.9 34.4 51.6

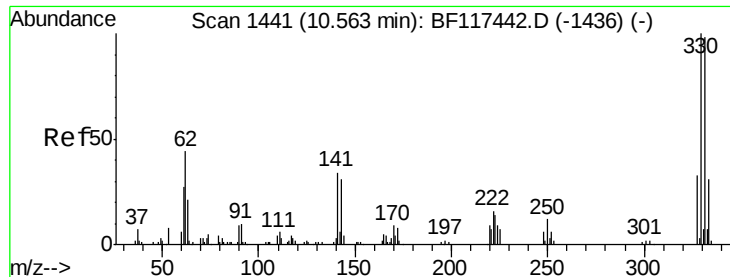


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 77.097 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

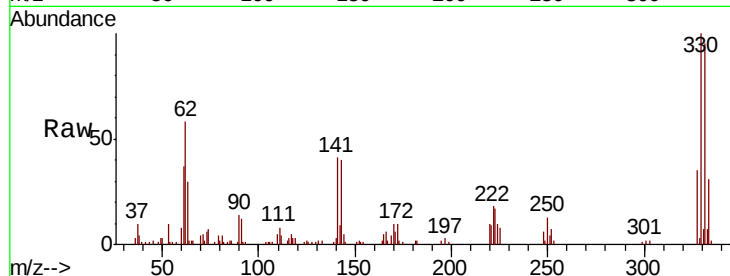
Tot Ion:330 Resp: 53327

Ion Ratio Lower Upper

330 100

332 95.9 78.5 117.7

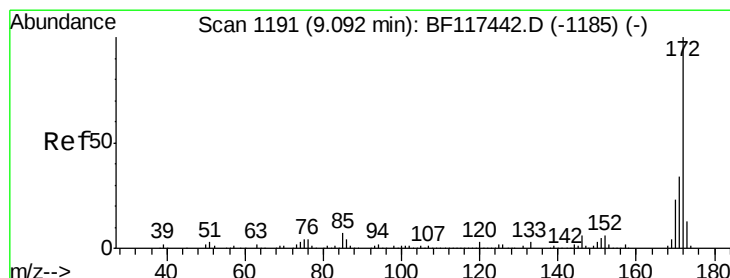
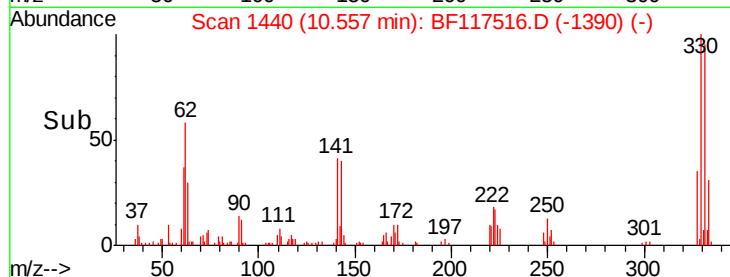
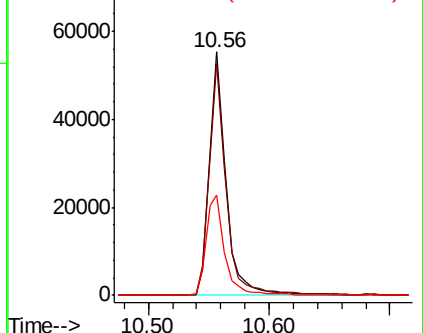
141 45.6 37.0 55.6



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



#45

2-Fluorobiphenyl

Concen: 55.024 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

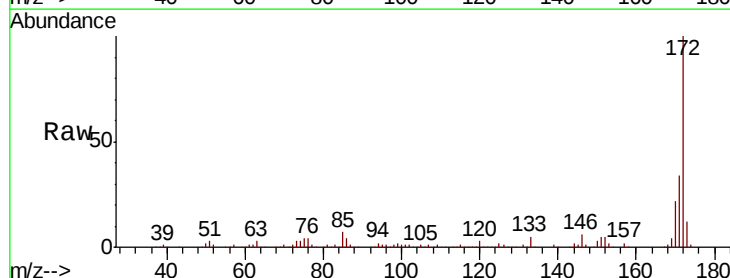
Tgt Ion:172 Resp: 312185

Ion Ratio Lower Upper

172 100

171 34.1 27.5 41.3

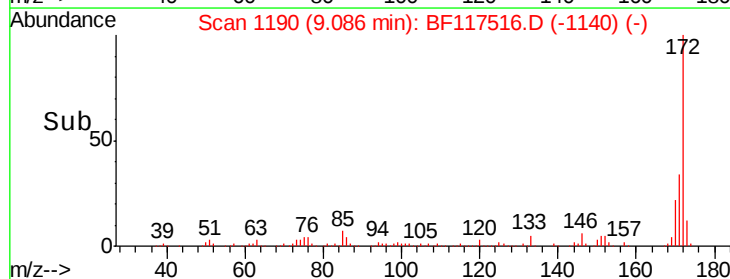
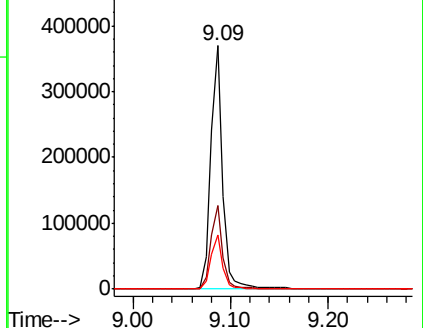
170 22.4 18.6 27.8

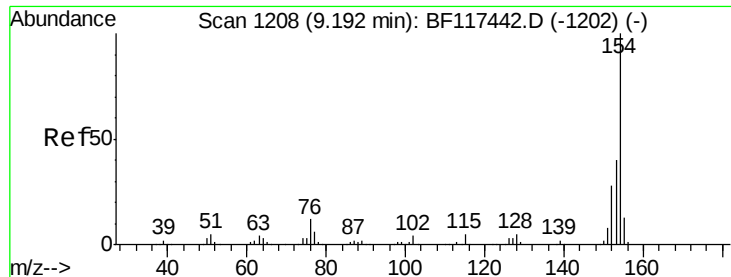


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 0.165 ng

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

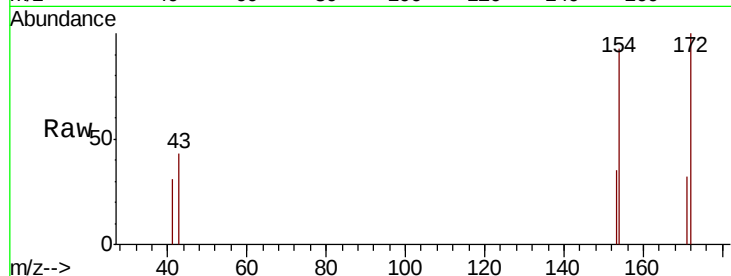
Tot Ion:154 Resp: 1094

Ion Ratio Lower Upper

154 100

153 37.4 20.2 60.2

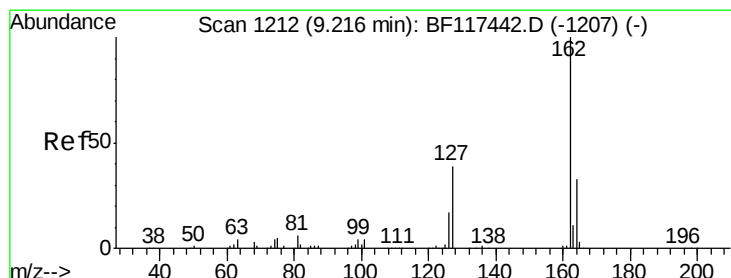
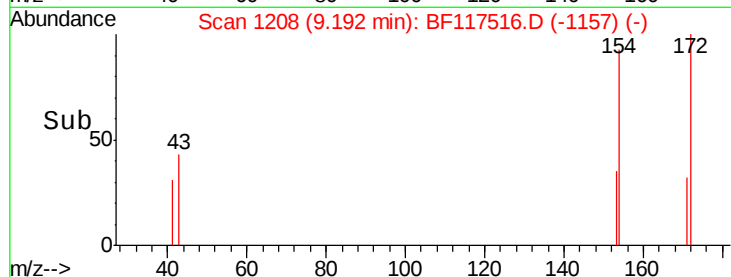
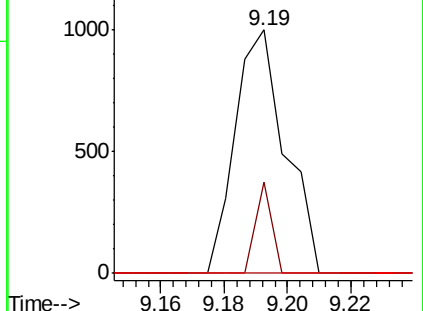
76 0.0 0.0 32.1



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: 0.064 ng

RT: 9.48 min Scan# 1257

Delta R.T. 0.26 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

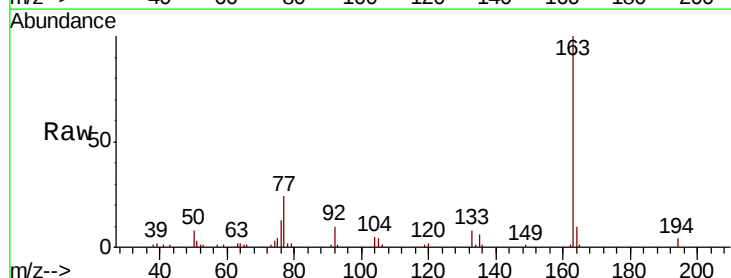
Tgt Ion:162 Resp: 317

Ion Ratio Lower Upper

162 100

127 0.0 34.2 51.4#

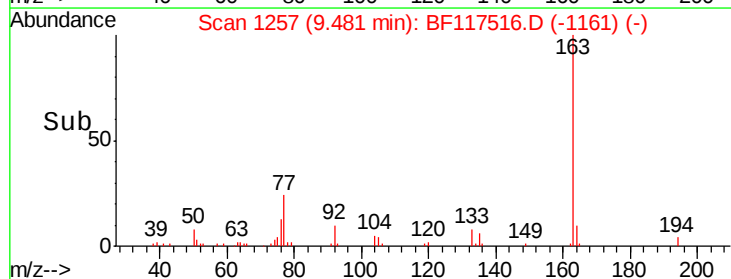
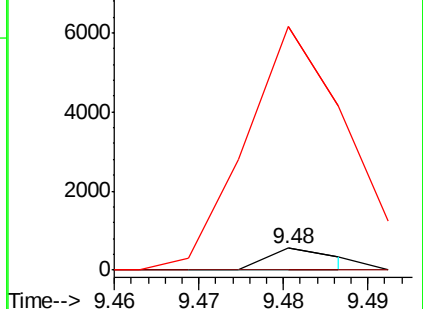
164 1118.9 26.4 39.6#

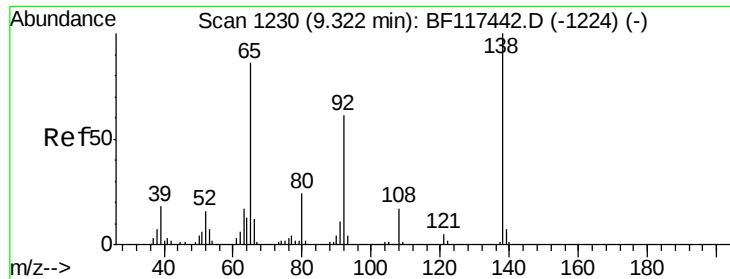


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

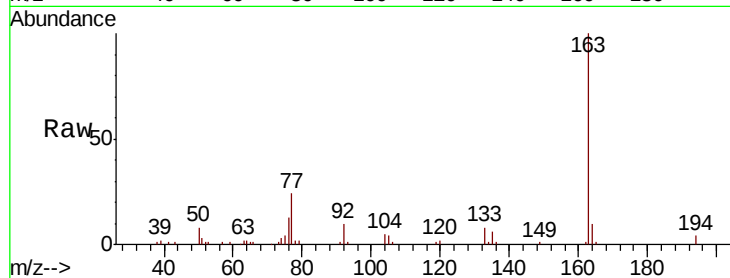




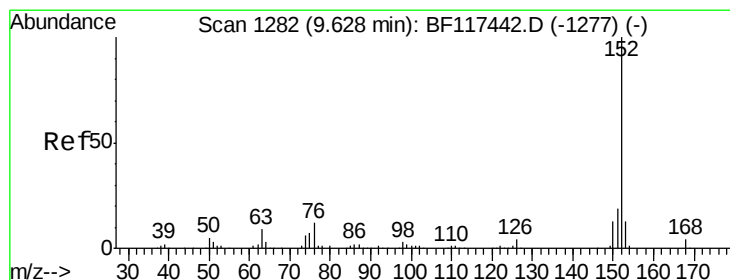
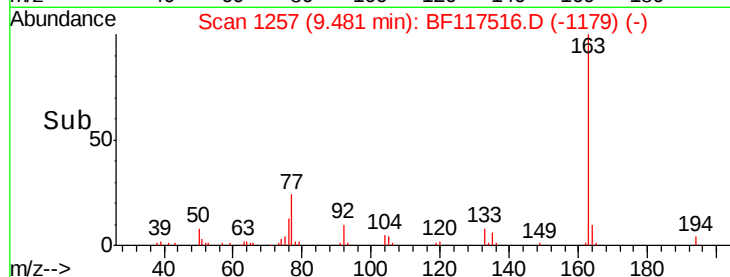
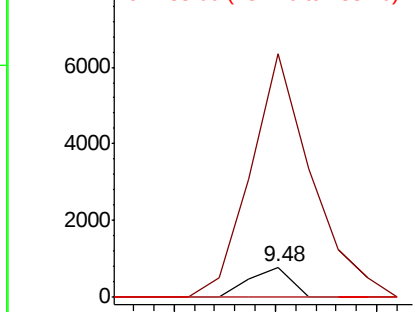
#48
2-Nitroaniline
Concen: 0.270 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.16 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion: 65 Resp: 442
Ion Ratio Lower Upper
65 100
92 806.5 57.3 85.9#
138 0.0 93.3 139.9#

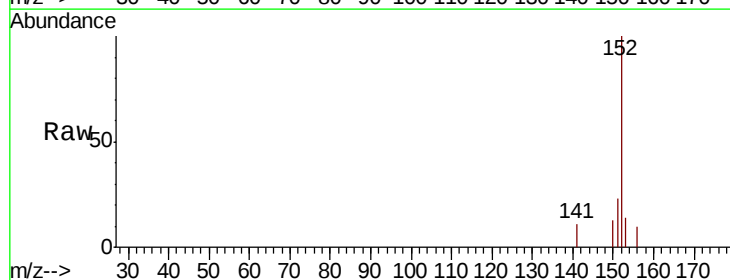


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

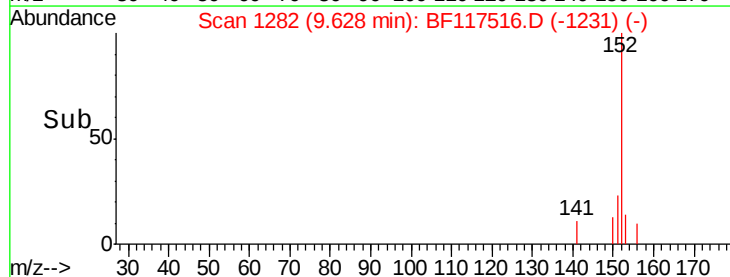
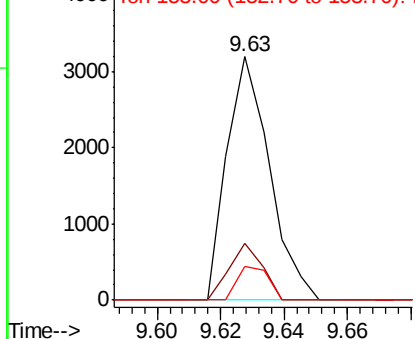


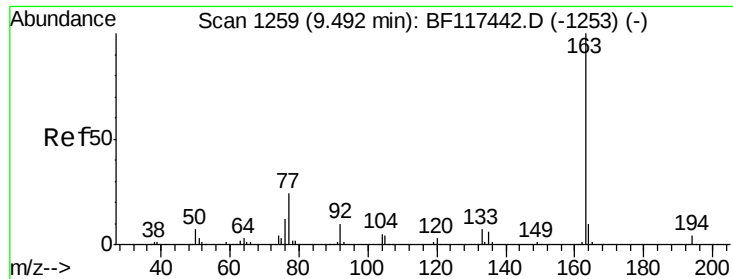
#49
Acenaphthylene
Concen: 0.405 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion: 152 Resp: 2968
Ion Ratio Lower Upper
152 100
151 23.3 15.4 23.0#
153 13.9 10.3 15.5



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: 9.805 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

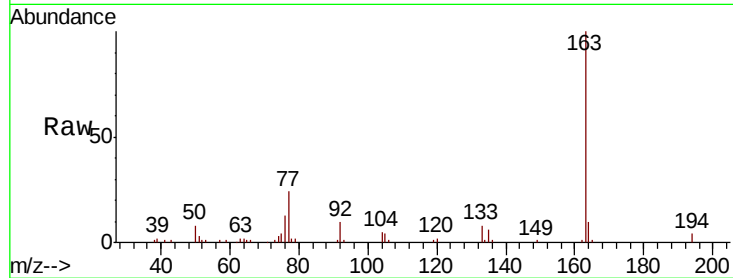
Tot Ion:163 Resp: 55880

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

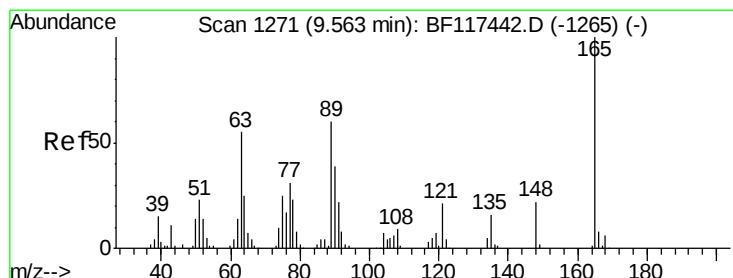
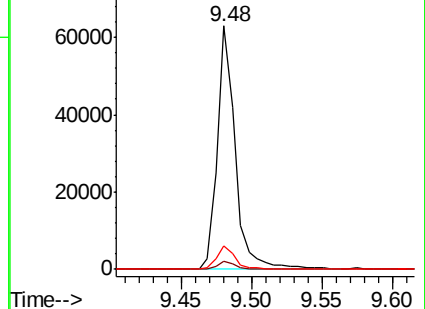
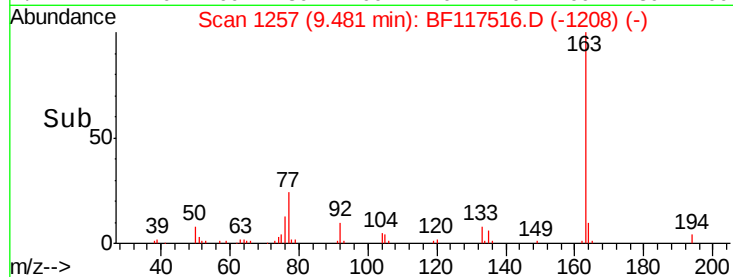
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.406 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.08 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

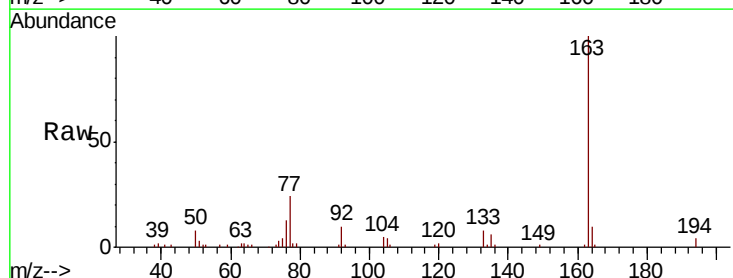
Tgt Ion:165 Resp: 483

Ion Ratio Lower Upper

165 100

63 203.7 43.8 65.8#

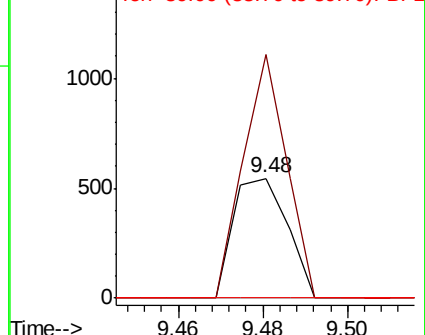
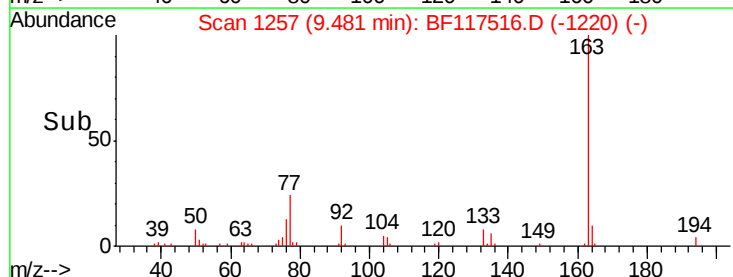
89 0.0 47.6 71.4#

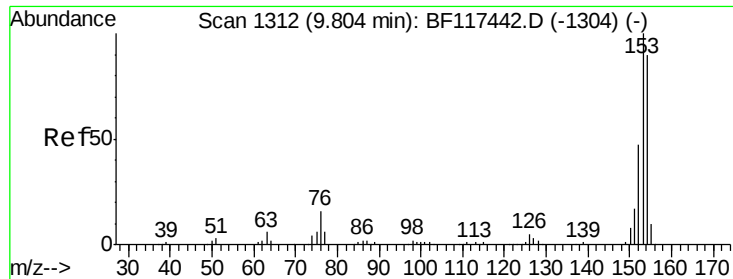


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.772 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

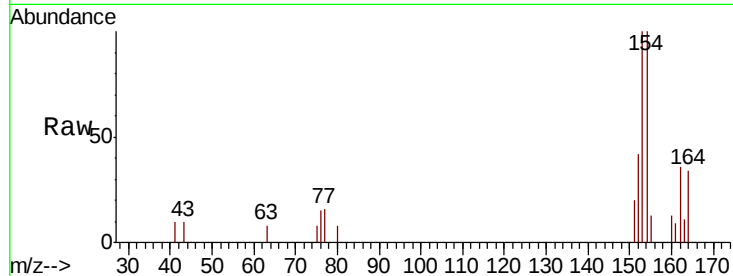
Tot Ion:154 Resp: 3470

Ion Ratio Lower Upper

154 100

153 100.0 89.2 133.8

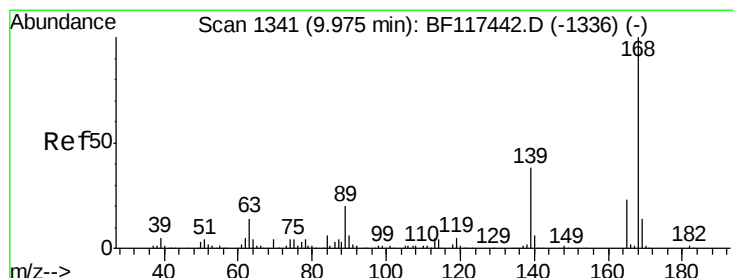
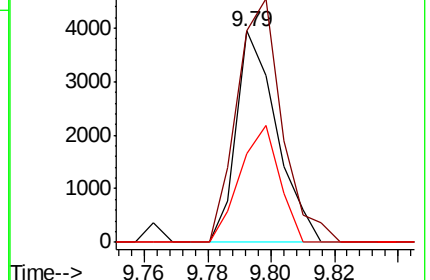
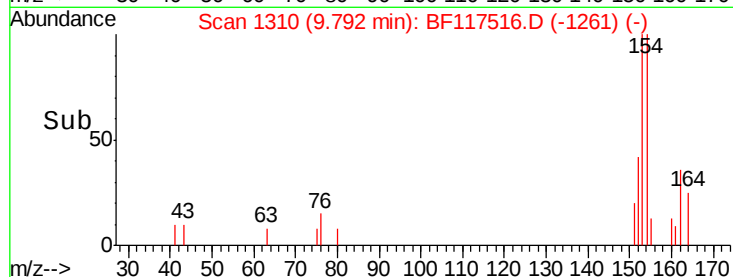
152 42.2 41.8 62.6



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



#55

Dibenzofuran

Concen: 0.423 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

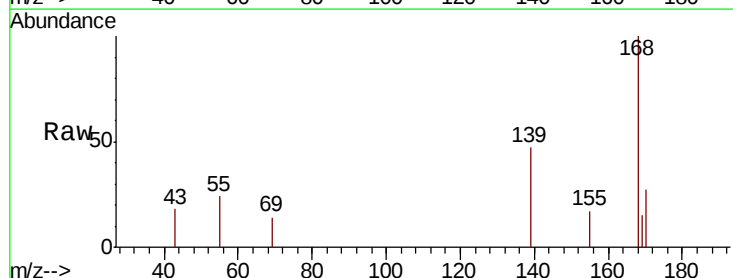
Tgt Ion:168 Resp: 2757

Ion Ratio Lower Upper

168 100

139 47.4 31.8 47.6

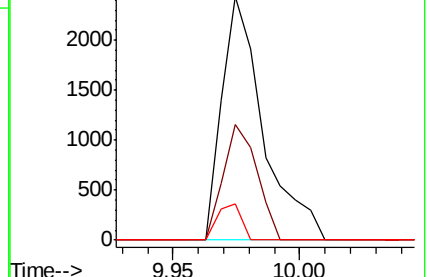
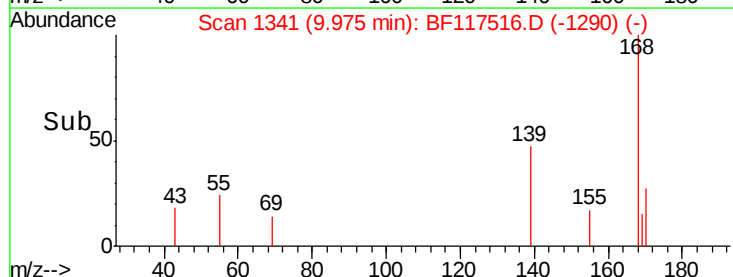
169 14.7 11.2 16.8

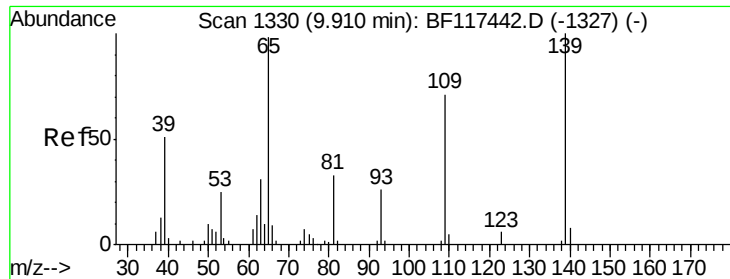


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

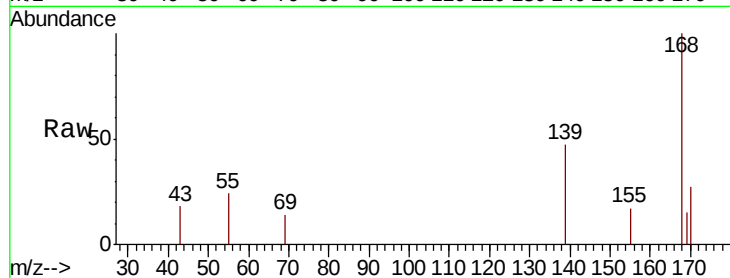




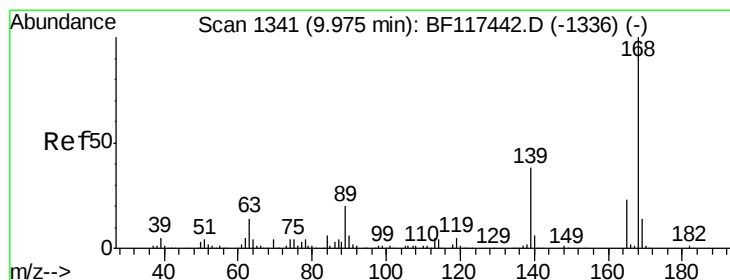
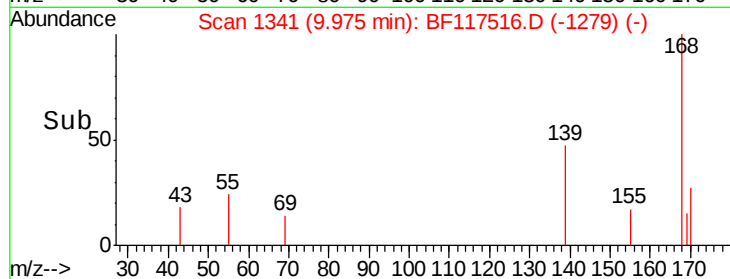
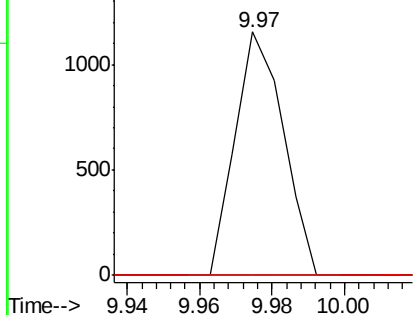
#56
4-Nitrophenol
Concen: 5.655 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion:139 Resp: 1068
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

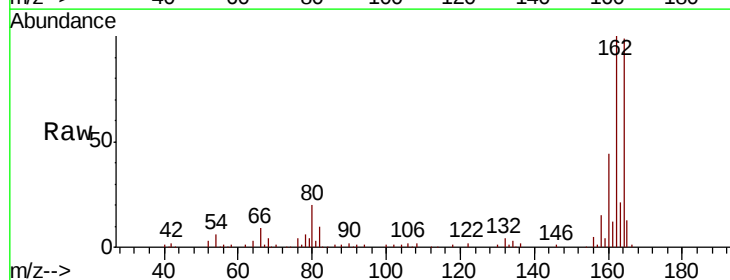


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

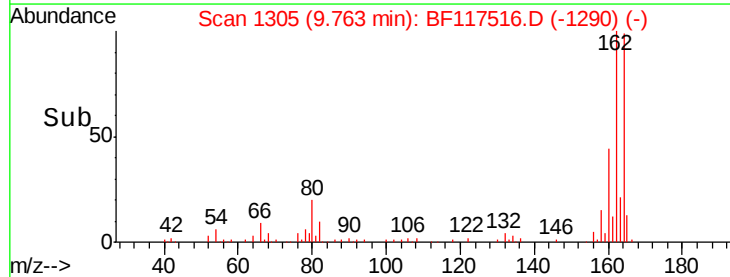
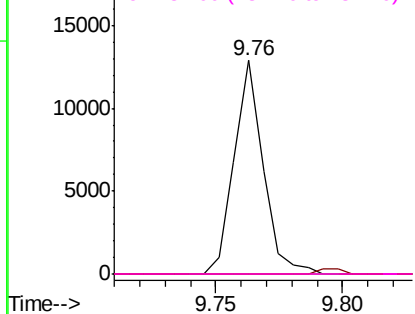


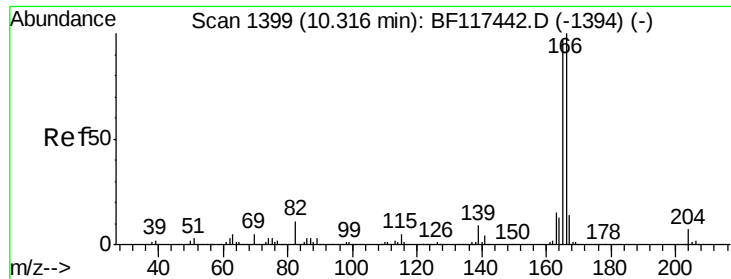
#57
2,4-Dinitrotoluene
Concen: 6.468 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:165 Resp: 10226
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#



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: 0.842 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

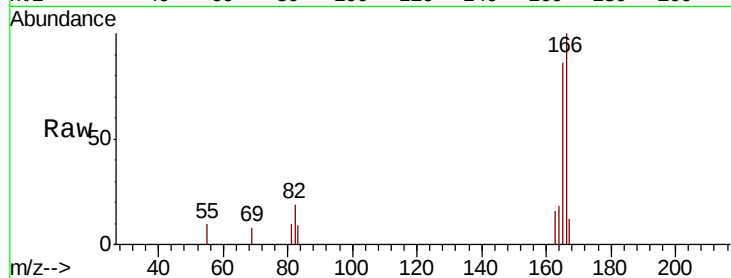
Tot Ion:166 Resp: 4534

Ion Ratio Lower Upper

166 100

165 86.0 77.6 116.4

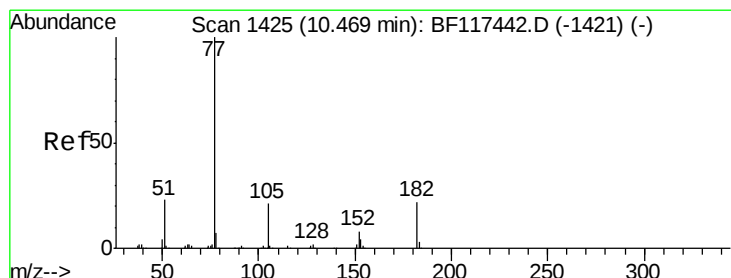
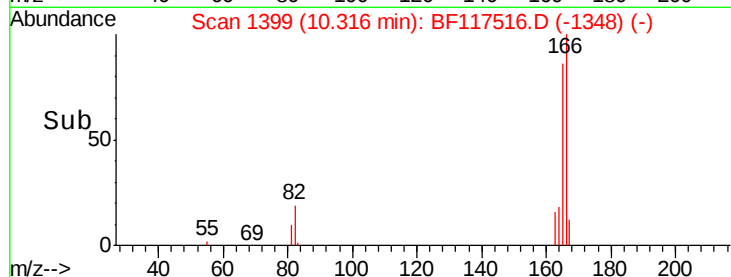
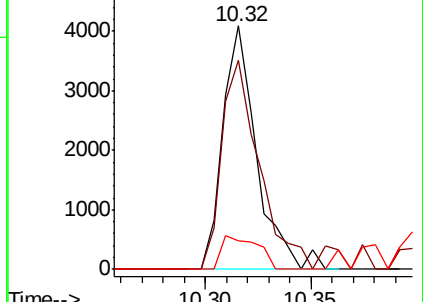
167 11.9 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Azobenzene

Concen: 0.075 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.09 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Tgt Ion: 77 Resp: 445

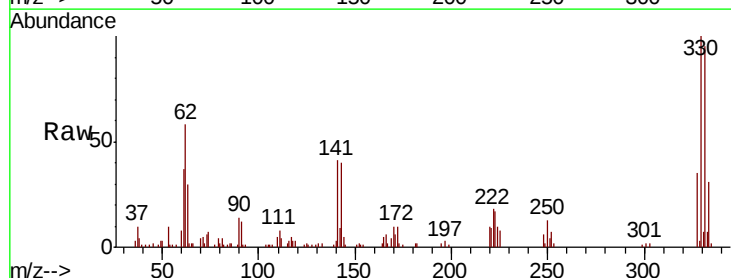
Ion Ratio Lower Upper

77 100

182 190.9 2.3 42.3#

105 70.4 1.3 41.3#

51 0.0 3.5 43.5#

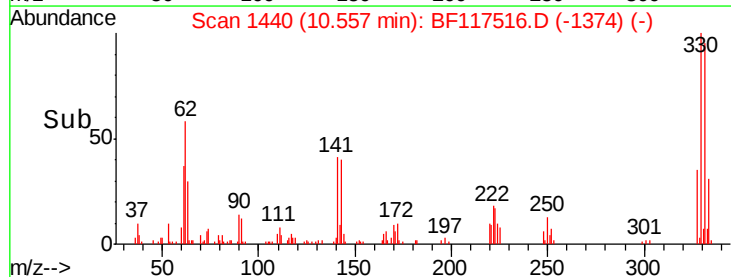
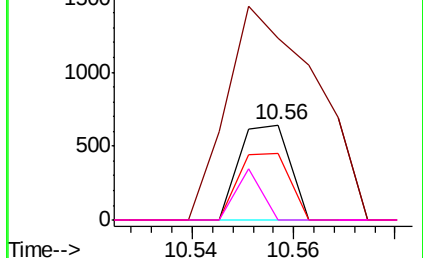


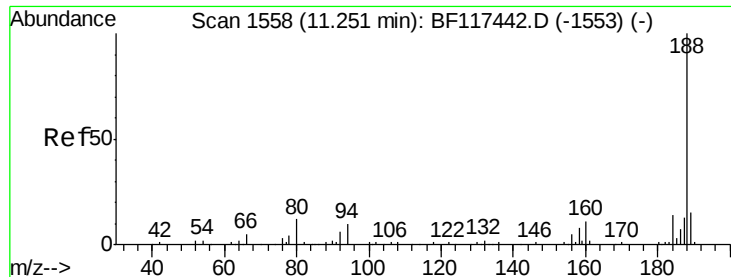
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

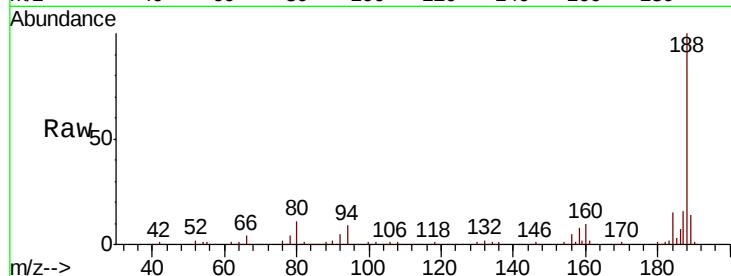




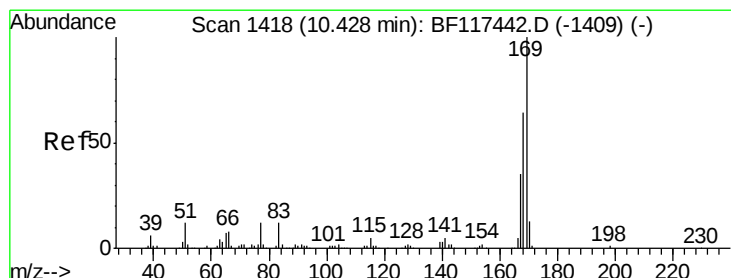
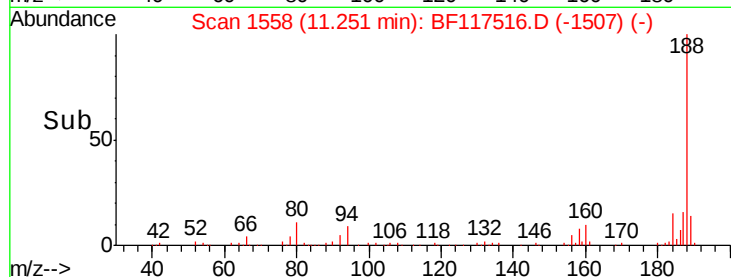
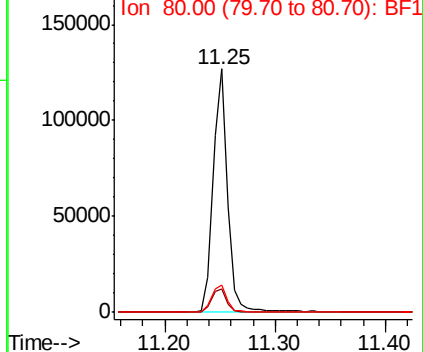
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion:188 Resp: 113711
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 11.3 9.5 14.3

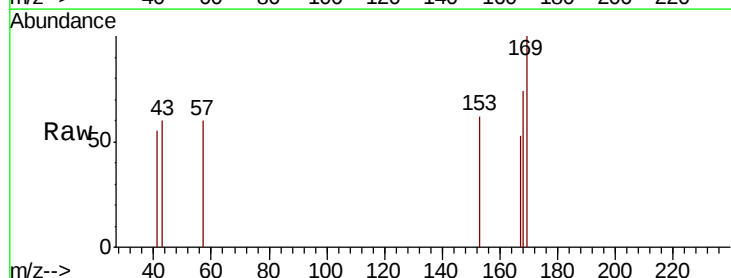


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

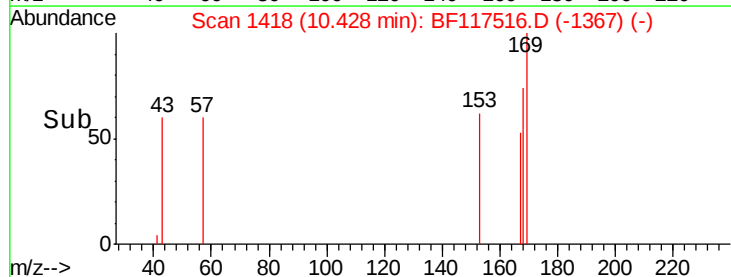
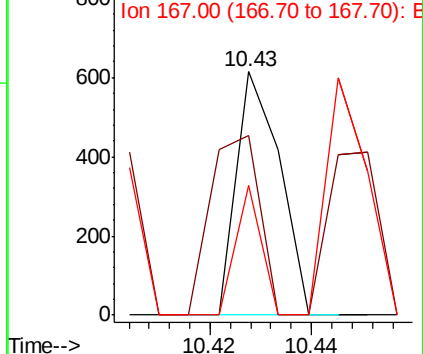


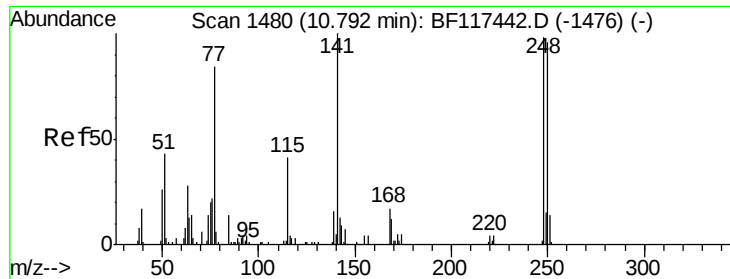
#66
n-Nitrosodiphenylamine
Concen: 0.088 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:169 Resp: 365
Ion Ratio Lower Upper
169 100
168 74.0 51.3 76.9
167 53.2 28.2 42.4#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

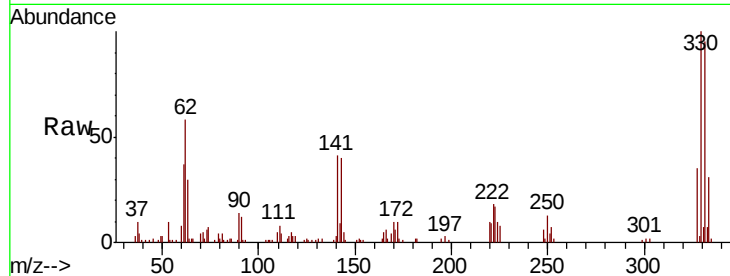




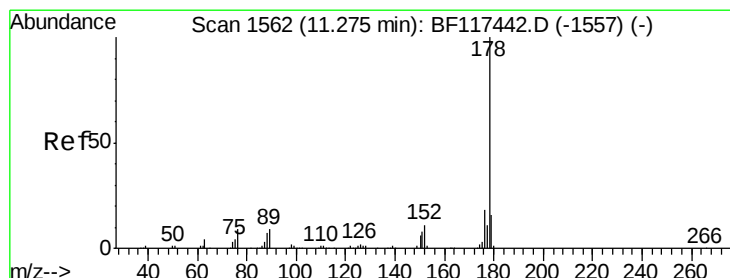
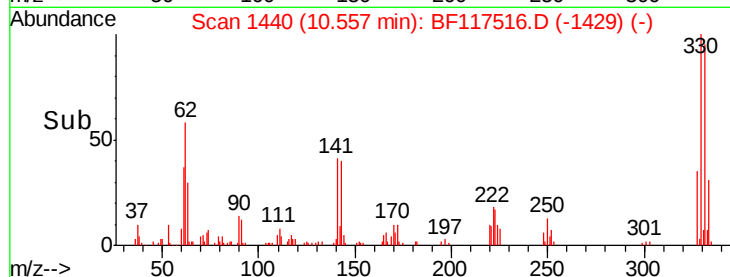
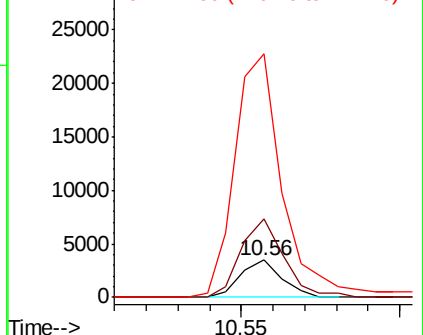
#67
 4-Bromophenyl-phenylether
 Concen: 2.573 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Instrument :
 BNA_F
 ClientSampleId :
 194-84-(0-1)

Tot Ion:248 Resp: 3152
 Ion Ratio Lower Upper
 248 100
 250 211.8 78.0 117.0#
 141 653.1 81.7 122.5#

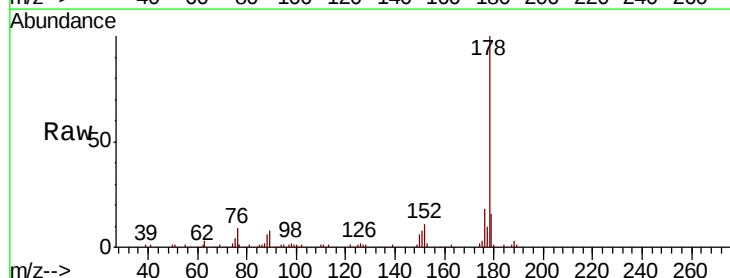


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

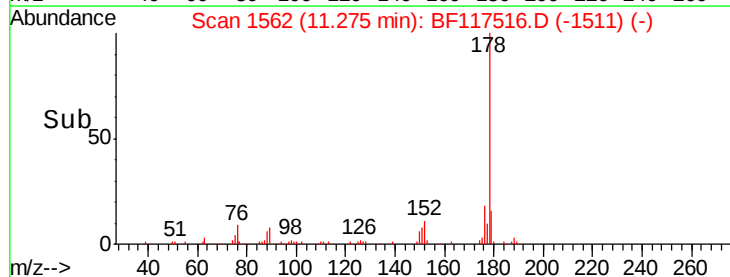
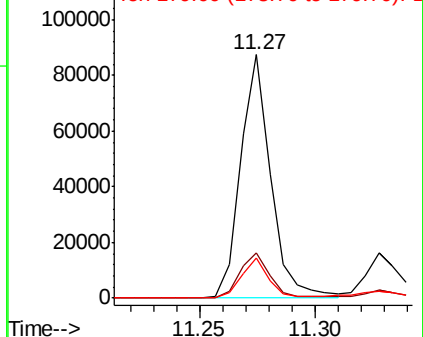


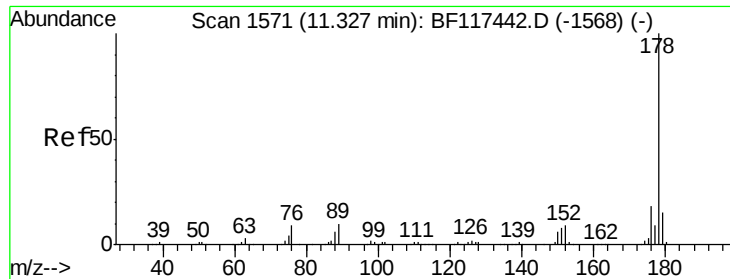
#71
 Phenanthrene
 Concen: 12.102 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Tgt Ion:178 Resp: 79908
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 16.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.579 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

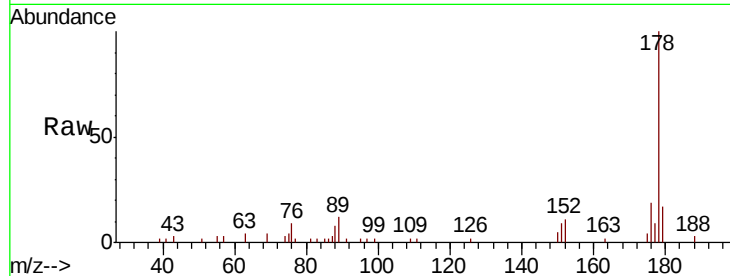
BNA_F

ClientSampleId :

194-84-(0-1)

Tot Ion:178 Resp: 17473

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	16.6	12.2	18.2

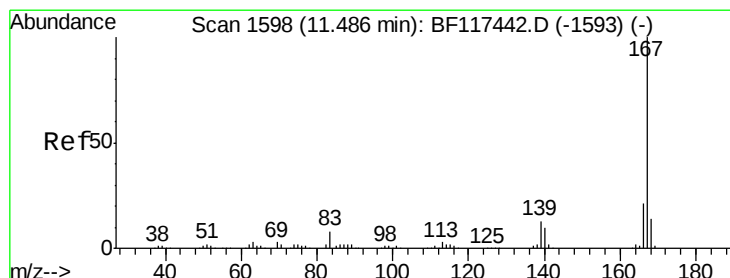
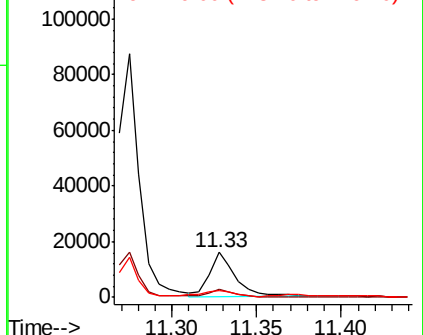
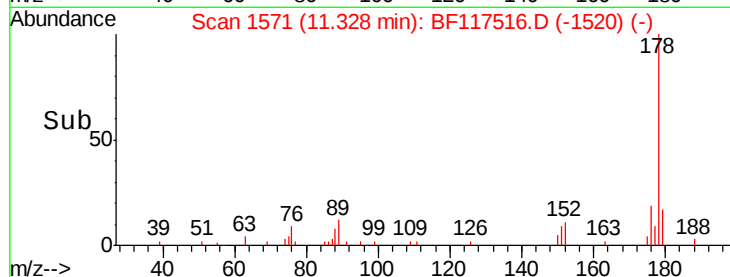


Abundance

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



#73

Carbazole

Concen: 1.147 ng

RT: 11.49 min Scan# 1599

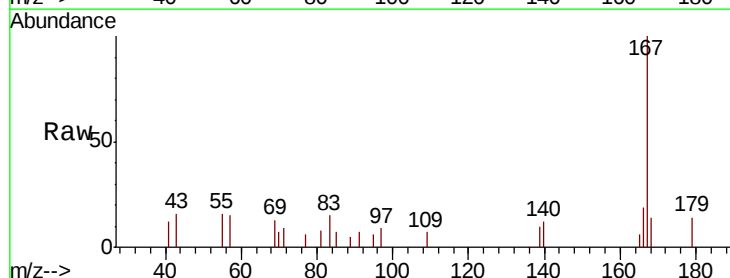
Delta R.T. 0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Tgt Ion:167 Resp: 7102

Ion	Ratio	Lower	Upper
167	100		
166	18.6	17.0	25.6
139	9.6	10.6	16.0#

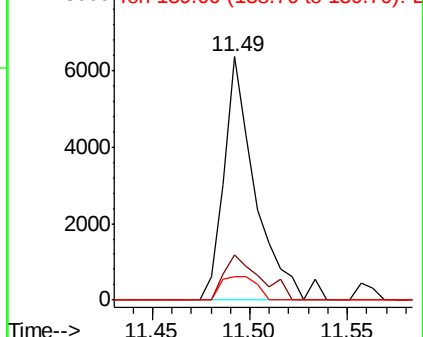
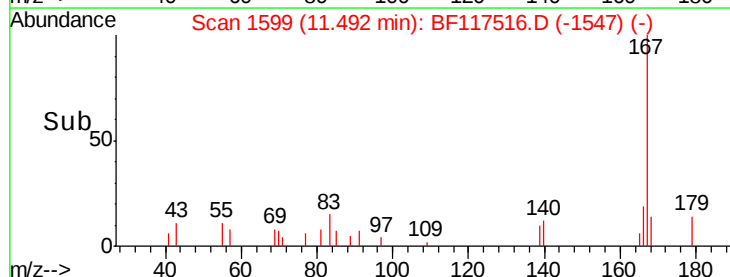


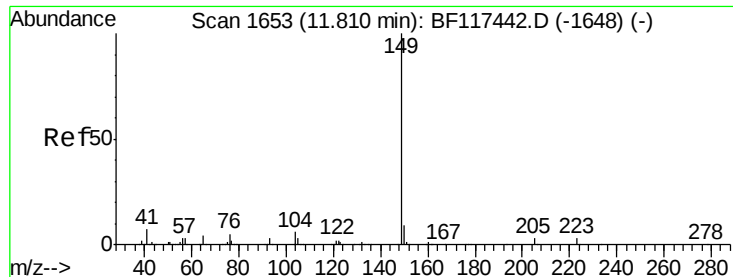
Abundance

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





#74

Di-n-butylphthalate

Concen: 1.267 ng

RT: 11.80 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

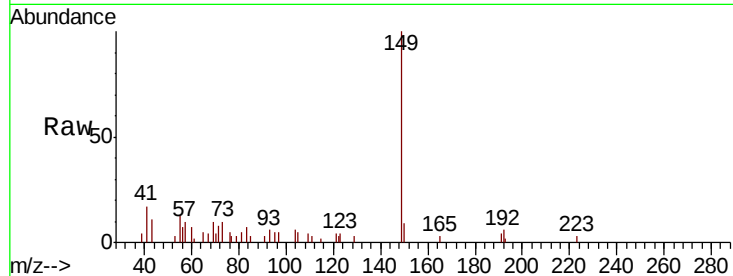
Tot Ion:149 Resp: 10484

Ion Ratio Lower Upper

149 100

150 8.5 7.5 11.3

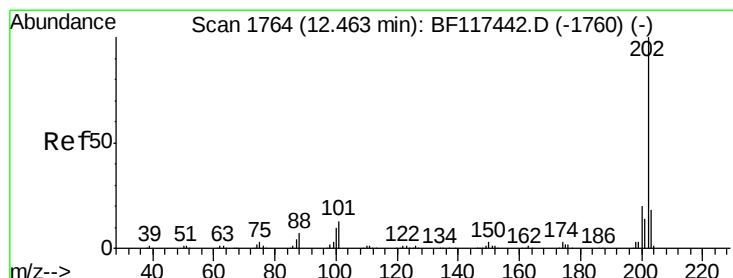
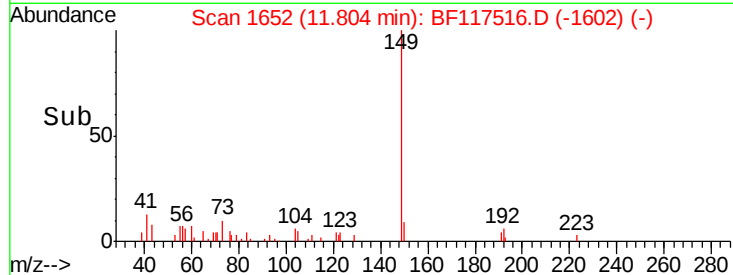
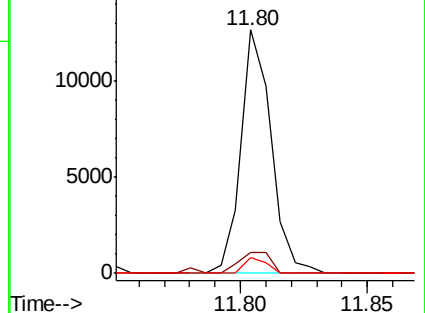
104 6.3 4.6 6.8



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



#75

Fluoranthene

Concen: 18.031 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

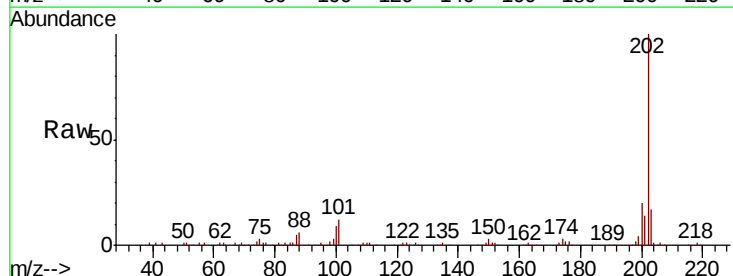
Tgt Ion:202 Resp: 119185

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.7

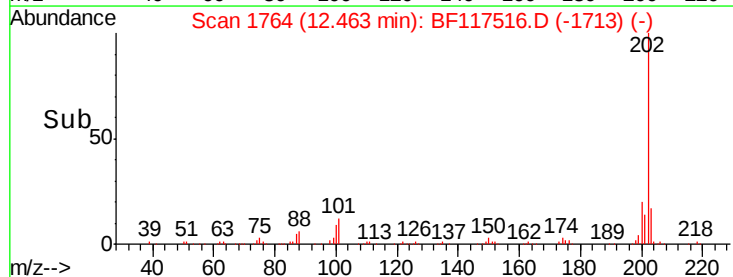
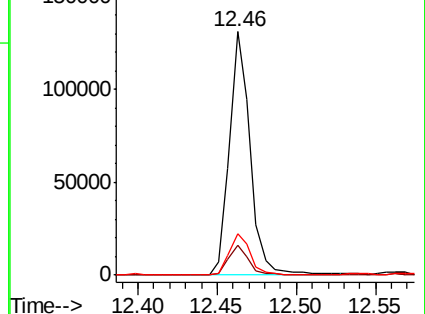
203 17.0 0.0 37.6

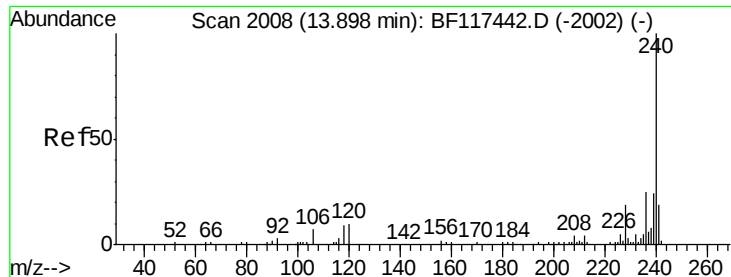


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

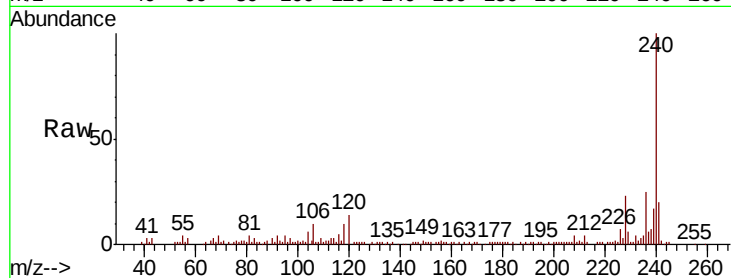
Tot Ion:240 Resp: 74103

Ion Ratio Lower Upper

240 100

120 13.7 8.4 12.6#

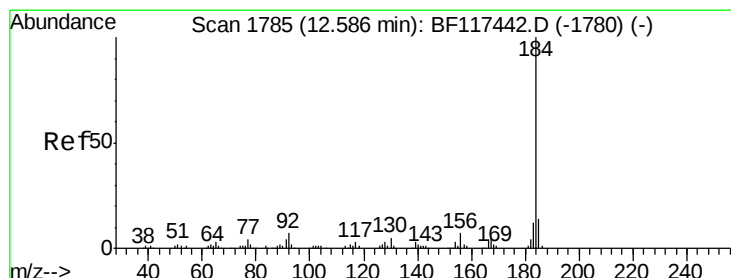
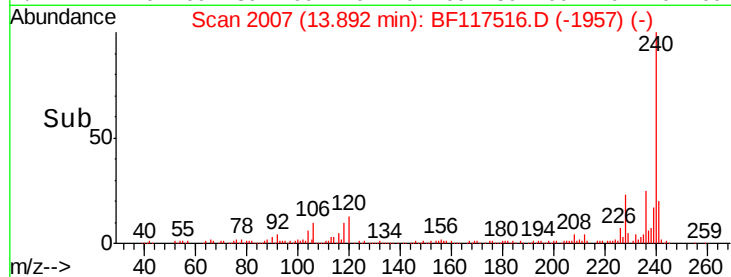
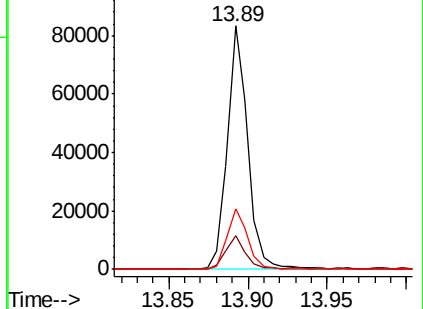
236 25.1 20.0 30.0



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: Below Cal

RT: 12.83 min Scan# 1827

Delta R.T. 0.25 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

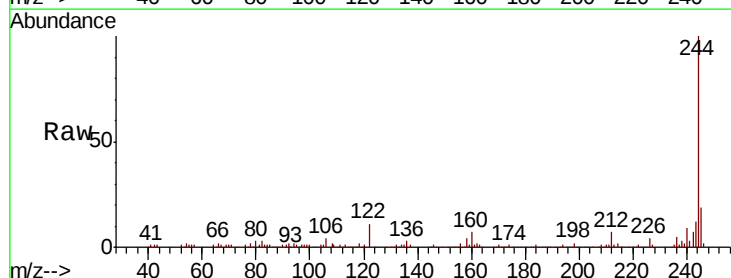
Tgt Ion:184 Resp: 2442

Ion Ratio Lower Upper

184 100

185 18.3 11.4 17.0#

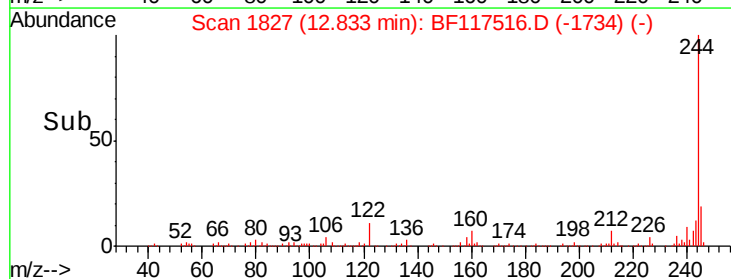
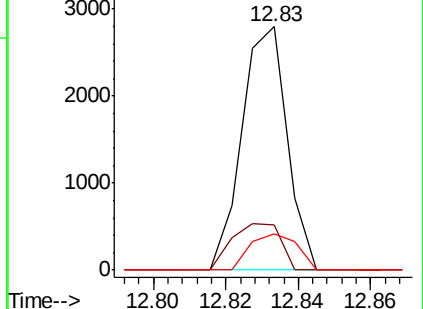
183 15.1 9.6 14.4#

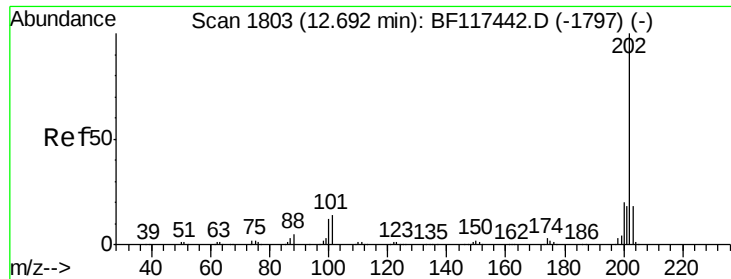


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

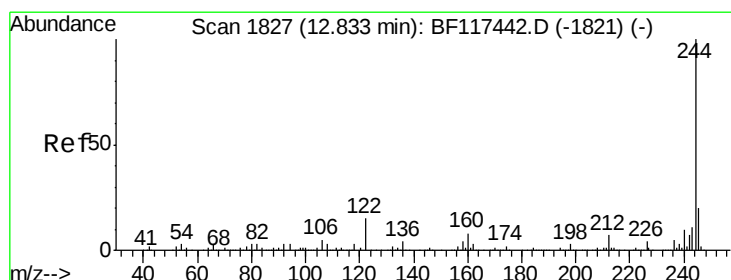
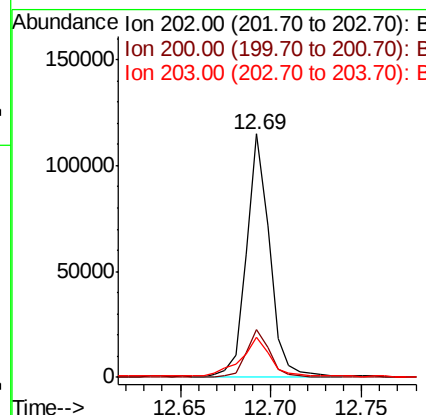
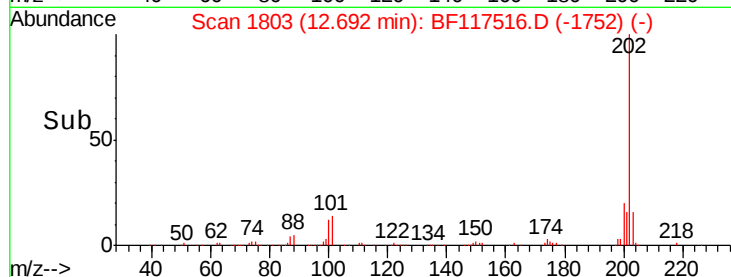
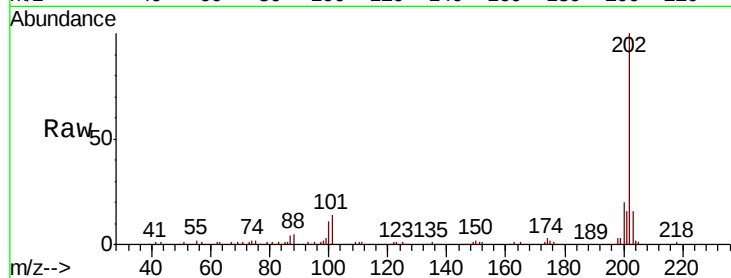




#78
Pvrene
Concen: 15.943 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

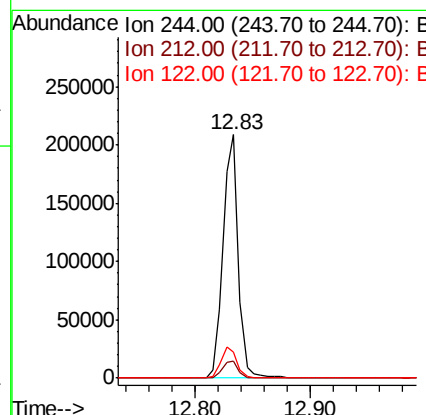
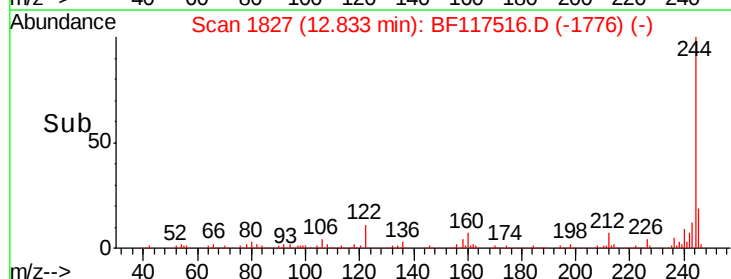
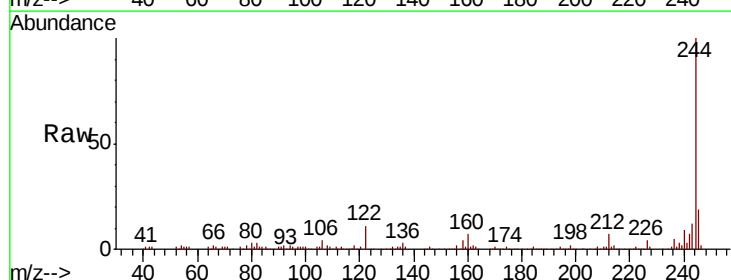
Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

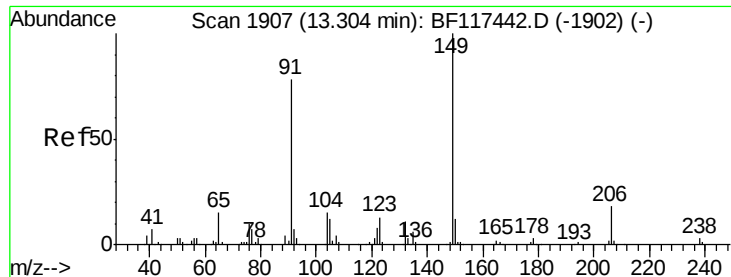
Tot Ion:202 Resp: 101478
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 16.4 14.0 21.0



#79
Terphenyl-d14
Concen: 41.841 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:244 Resp: 190086
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 10.9 11.8 17.8#

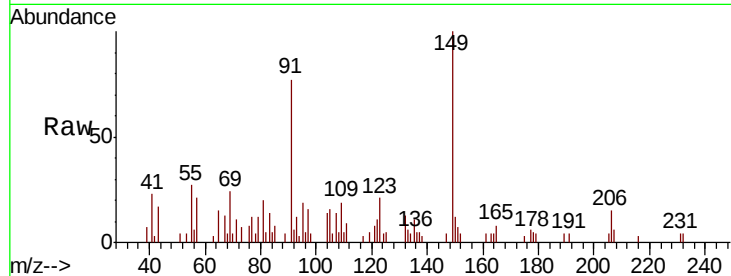




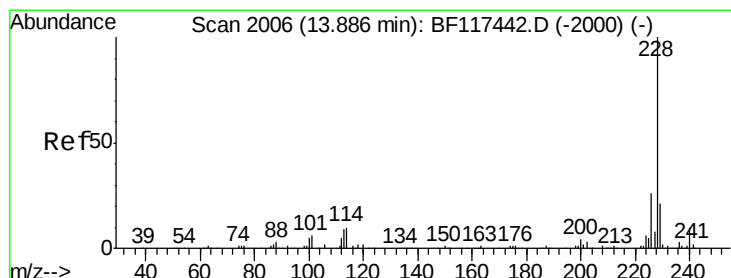
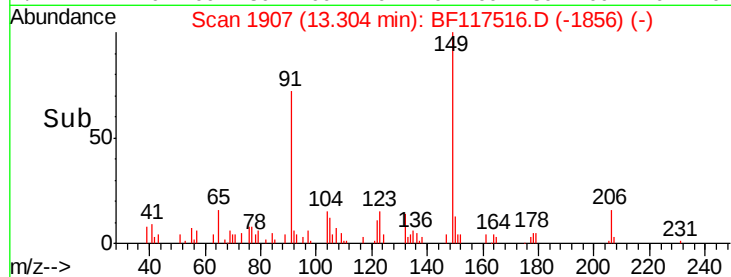
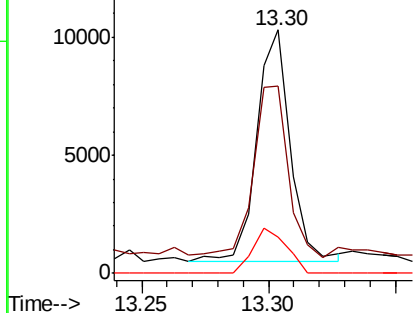
#80
Butylbenzylphthalate
Concen: 2.828 ng
RT: 13.30 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion:149 Resp: 8957
Ion Ratio Lower Upper
149 100
91 76.8 62.1 93.1
206 15.1 14.3 21.5

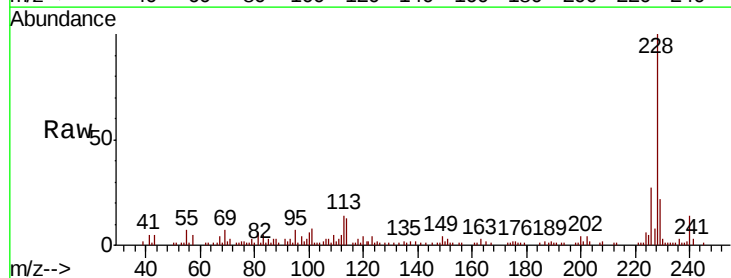


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

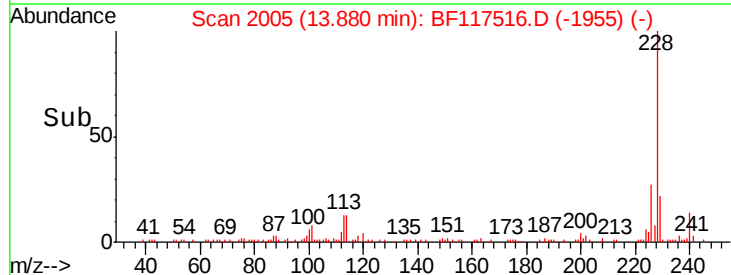
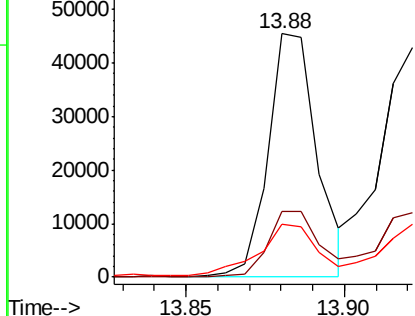


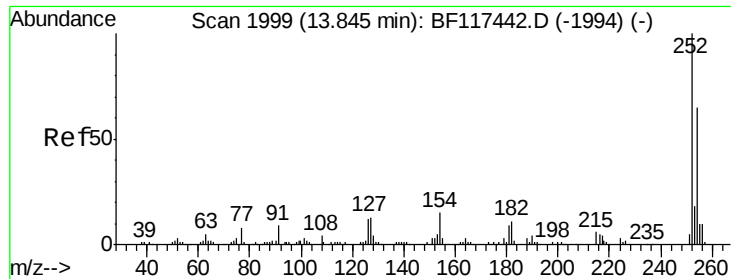
#81
Benzo(a)anthracene
Concen: 9.785 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:228 Resp: 48912
Ion Ratio Lower Upper
228 100
226 27.0 21.0 31.4
229 21.7 16.4 24.6



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

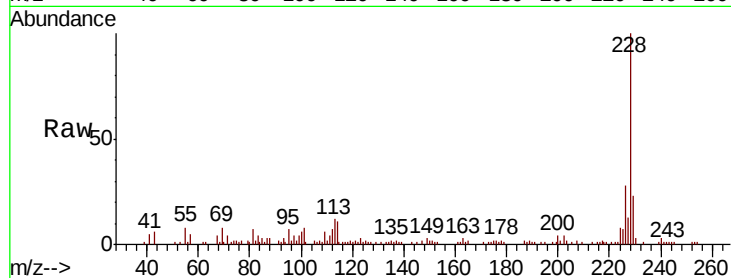




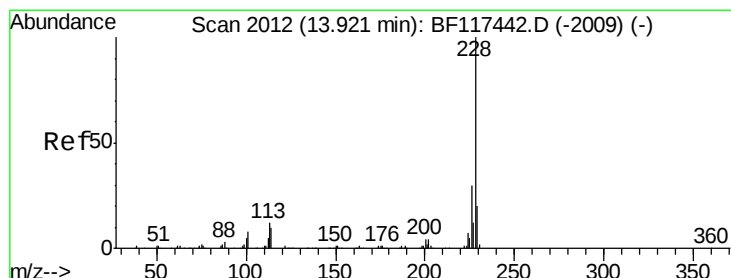
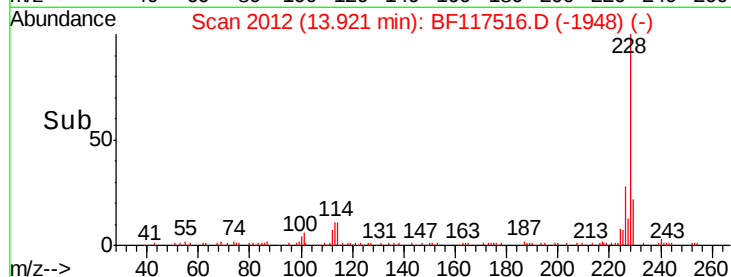
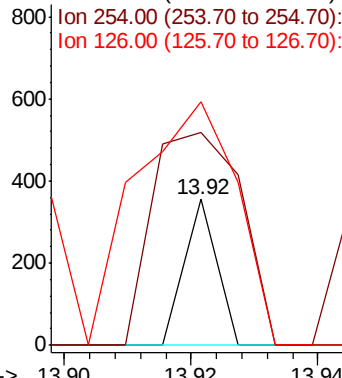
#82
 3,3'-Dichlorobenzidine
 Concen: 0.080 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.08 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Instrument :
 BNA_F
 ClientSampleId :
 194-84-(0-1)

Tot Ion:252 Resp: 125
 Ion Ratio Lower Upper
 252 100
 254 146.2 52.2 78.4#
 126 167.0 9.2 13.8#

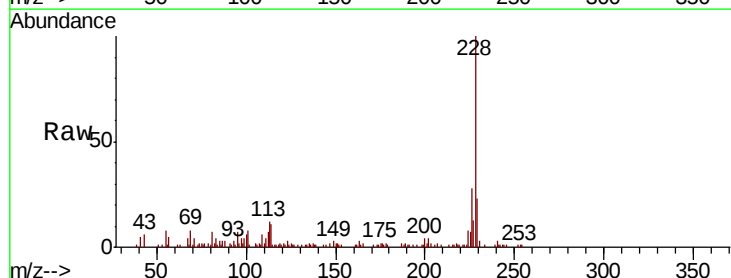


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

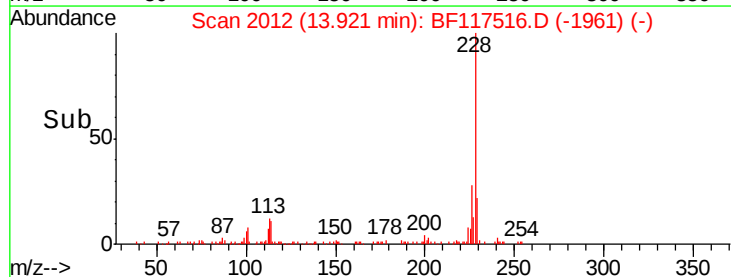
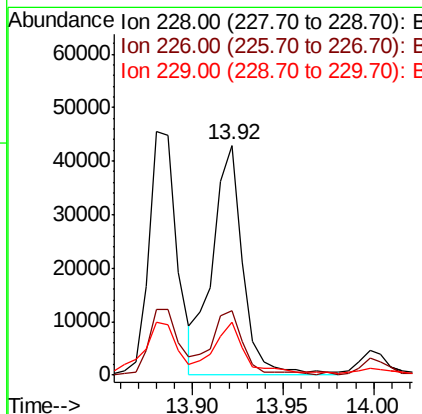


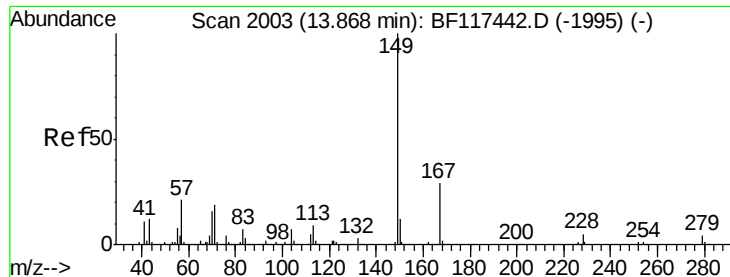
#83
 Chrysene
 Concen: 10.313 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Tgt Ion:228 Resp: 50520
 Ion Ratio Lower Upper
 228 100
 226 27.9 23.9 35.9
 229 23.3 15.8 23.6



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: 13.855 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

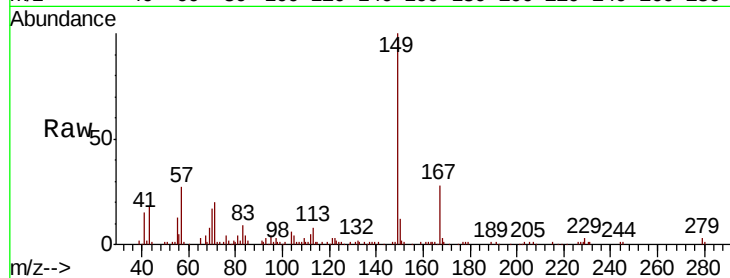
Tot Ion:149 Resp: 61474

Ion Ratio Lower Upper

149 100

167 27.7 23.3 34.9

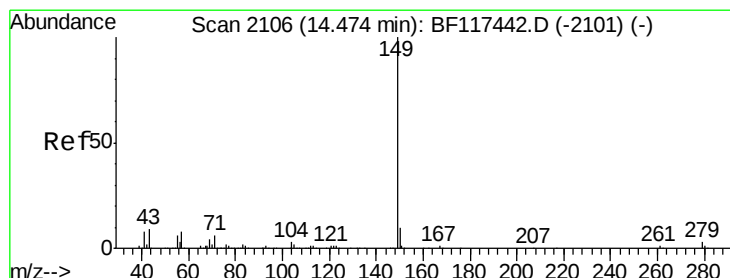
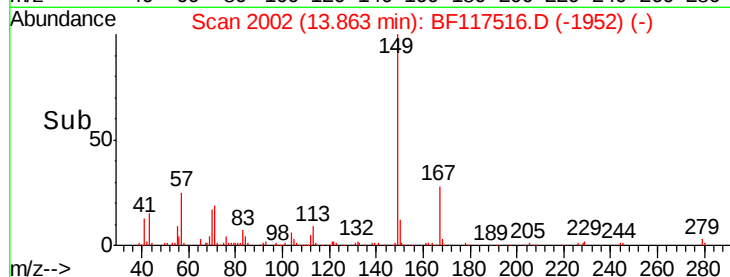
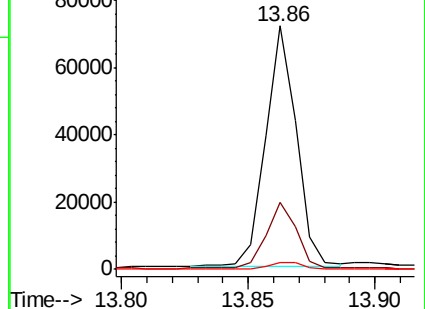
279 2.7 3.2 4.8#



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: 0.756 ng

RT: 14.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

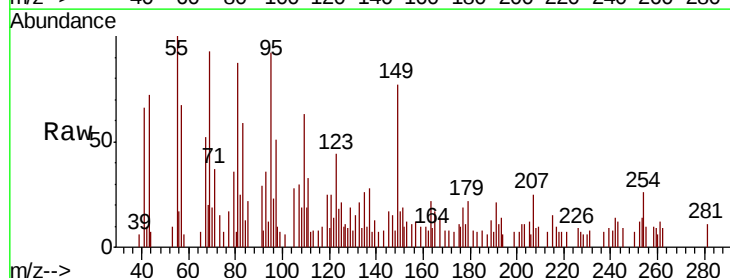
Tgt Ion:149 Resp: 5156

Ion Ratio Lower Upper

149 100

167 16.2 1.2 1.8#

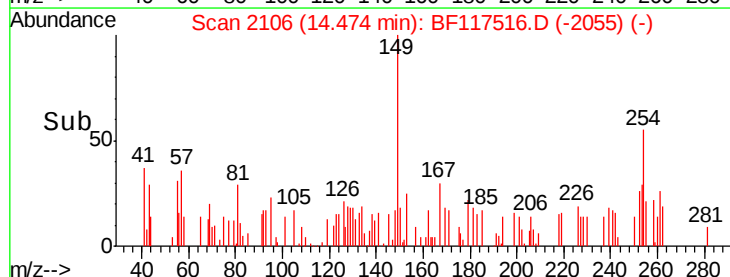
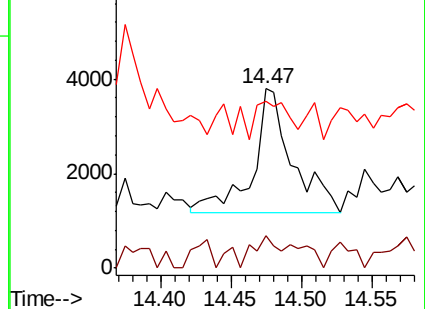
43 25.8 6.8 10.2#

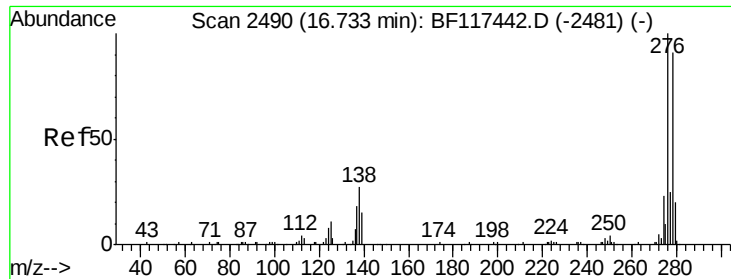


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

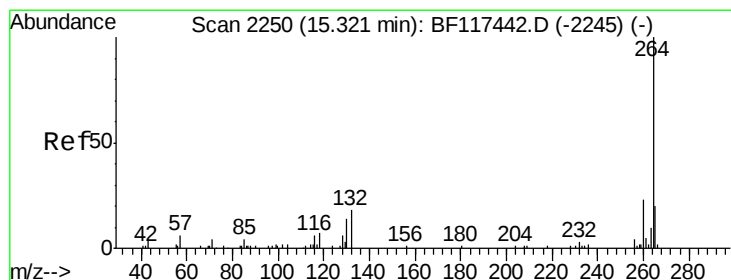
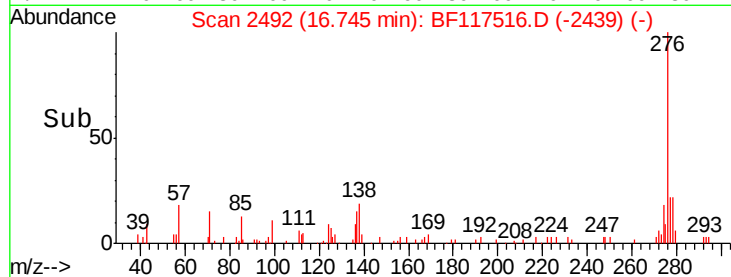
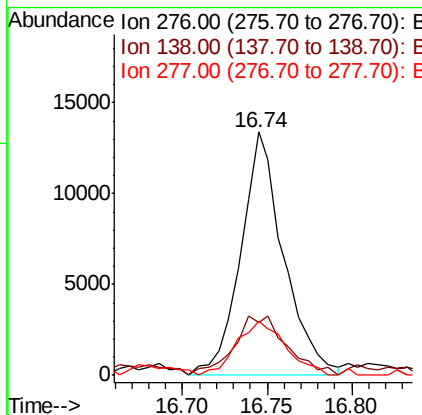
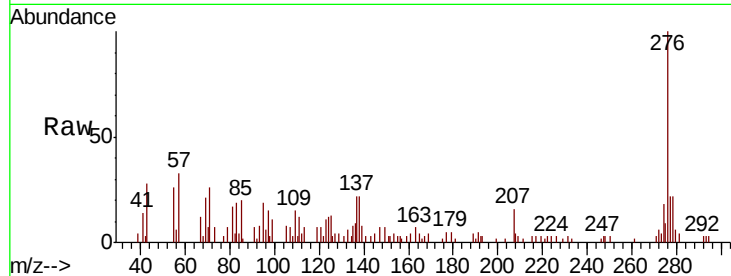




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.461 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

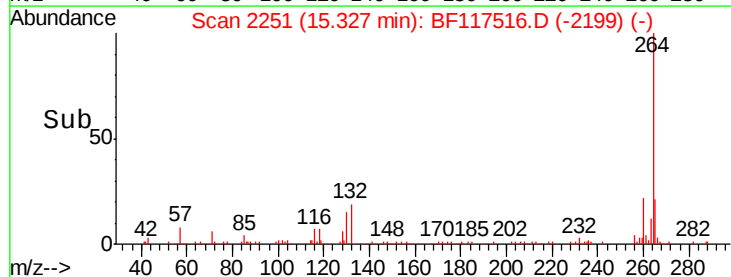
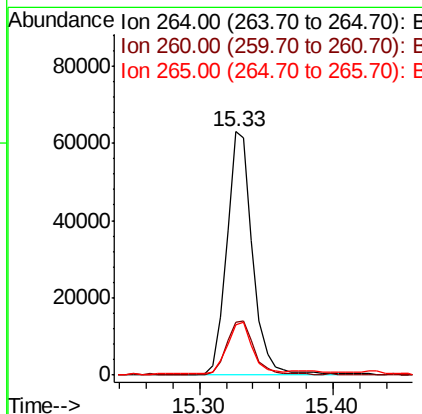
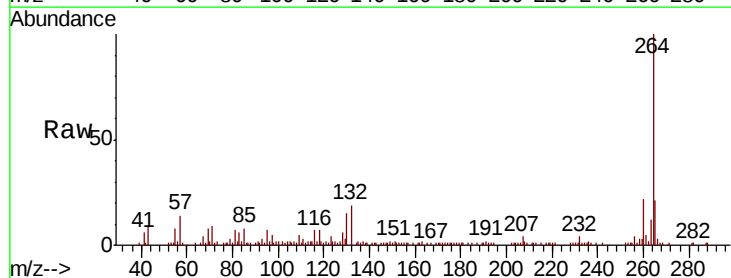
Instrument :
 BNA_F
 ClientSampleId :
 194-84-(0-1)

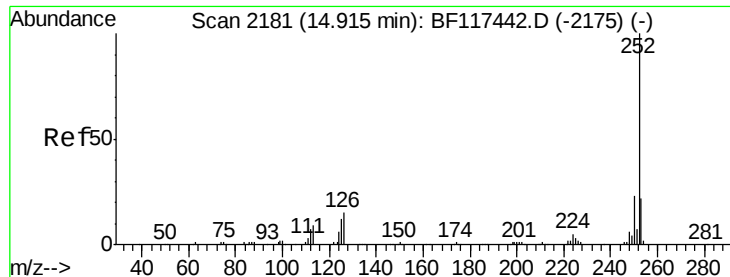
Tot Ion:276	Resp:	23630
Ion Ratio	Lower	Upper
276	100	
138	30.1	21.8 32.8
277	25.6	20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Tgt Ion:264	Resp:	85409
Ion Ratio	Lower	Upper
264	100	
260	21.8	18.4 27.6
265	20.8	16.1 24.1

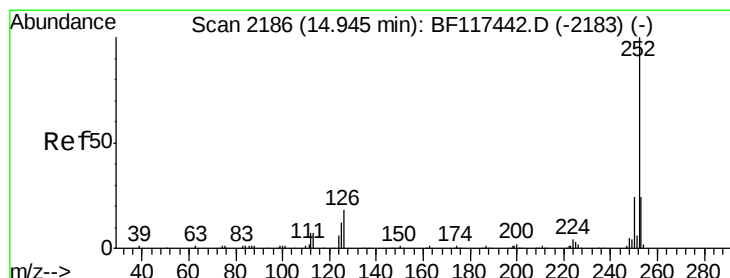
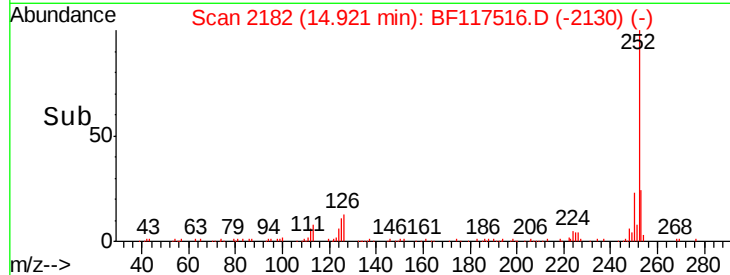
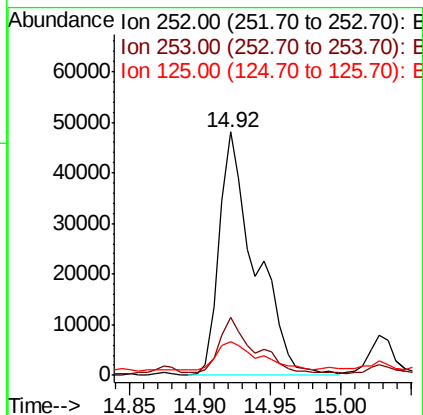
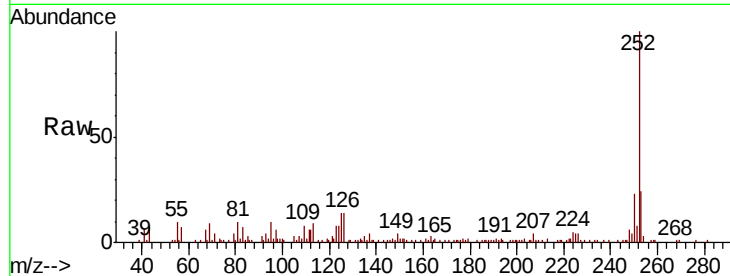




#88
Benzo(b)fluoranthene
Concen: 17.027 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

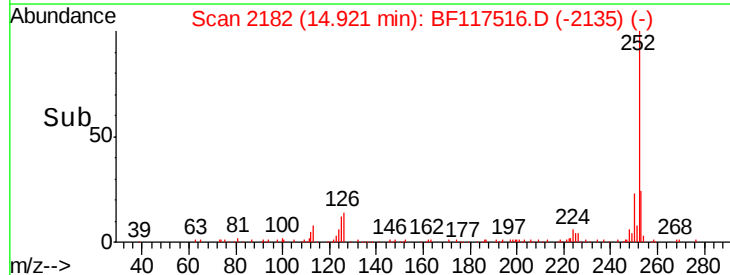
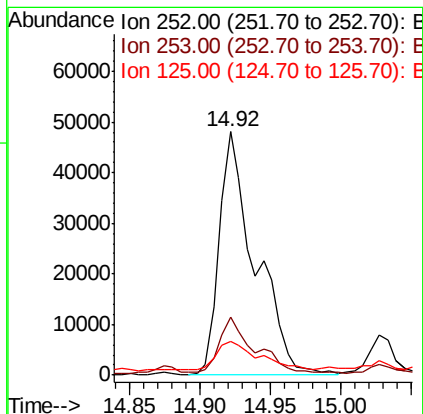
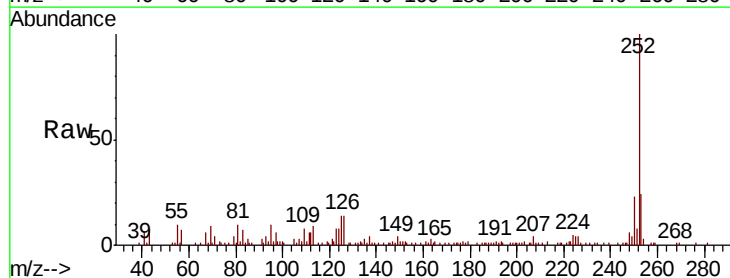
Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

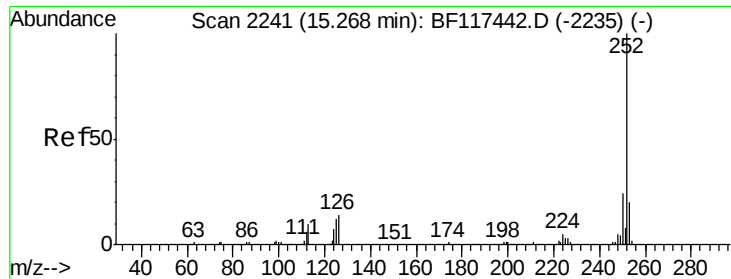
Tot Ion:252 Resp: 85878
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 14.0 9.9 14.9



#89
Benzo(k)fluoranthene
Concen: 16.613 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:252 Resp: 85878
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 14.0 8.9 13.3#

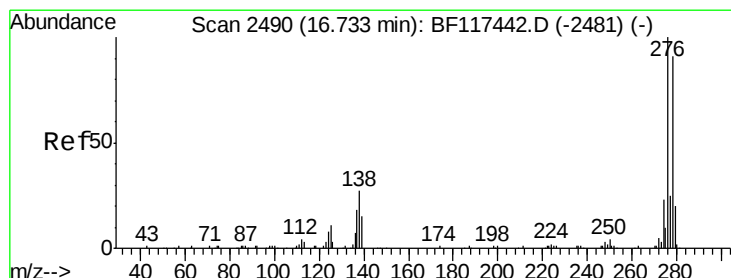
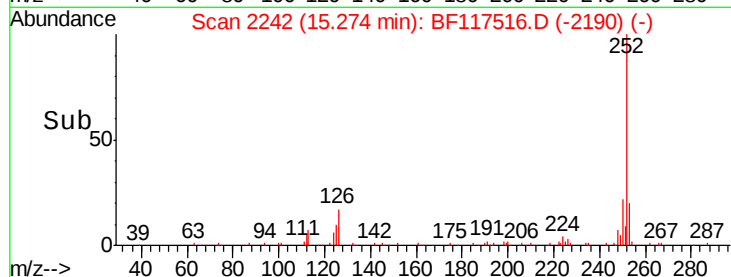
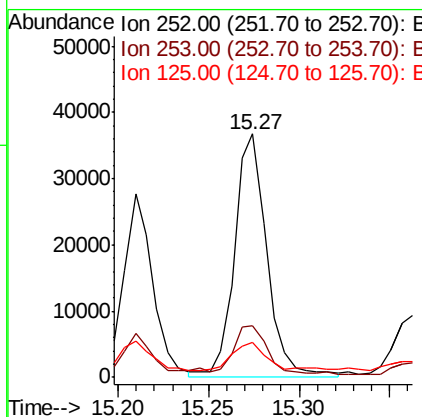
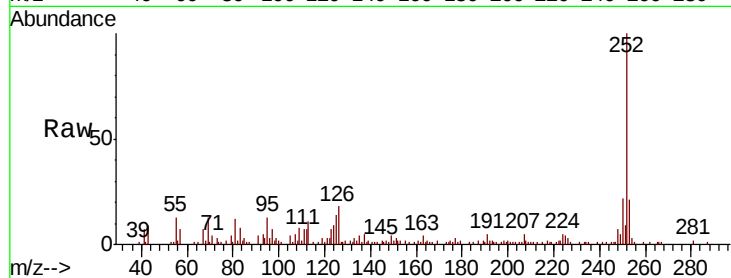




#90
Benzo(a)pyrene
Concen: 10.002 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

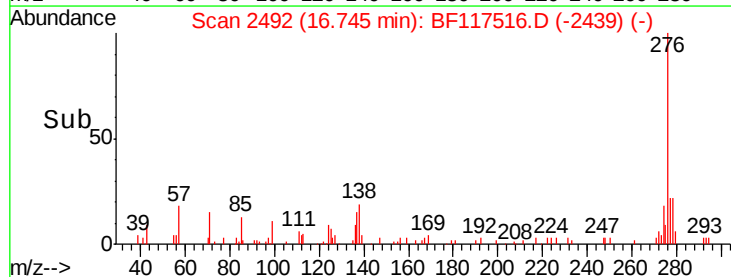
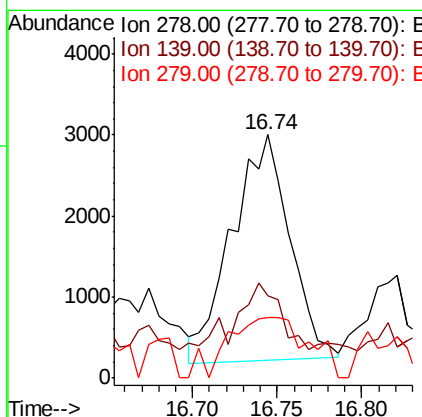
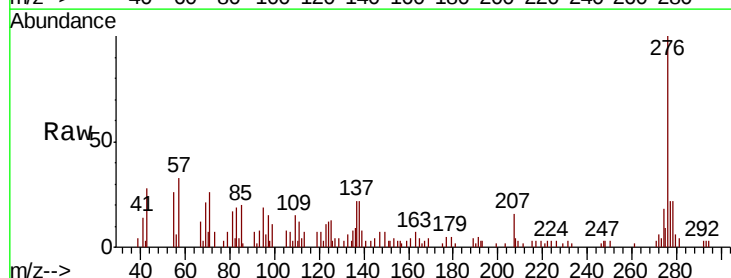
Instrument :
BNA_F
ClientSampled :
194-84-(0-1)

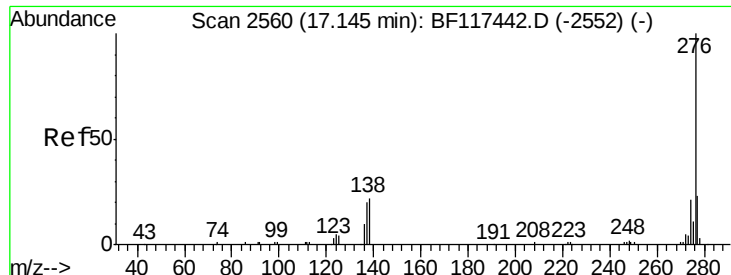
Tot Ion:252 Resp: 45863
Ion Ratio Lower Upper
252 100
253 21.1 16.3 24.5
125 14.3 9.2 13.8#



#91
Dibenzo(a,h)anthracene
Concen: 1.667 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion:278 Resp: 6610
Ion Ratio Lower Upper
278 100
139 33.7 13.4 20.0#
279 25.0 17.8 26.6





#92

Benzo(a,h,i)perylene

Concen: 5.817 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.02 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

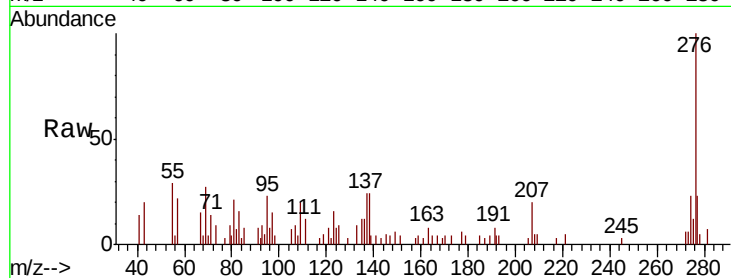
Tot Ion: 276 Resp: 21822

Ion Ratio Lower Upper

276 100

277 22.9 18.4 27.6

138 24.2 17.8 26.6



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

