

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
 Data File : BF115924.D
 Acq On : 1 Aug 2019 23:15
 Operator : HP/JU
 Sample : K4049-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Aug 02 05:02:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	150813	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	575354	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	282725	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	410194	20.00	ng	0.00
76) Chrysene-d12	14.03	240	281171	20.00	ng	0.00
87) Perylene-d12	15.50	264	322610	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	880121	97.70	ng	0.00
7) Phenol-d6	6.49	99	1160430	102.09	ng	0.00
23) Nitrobenzene-d5	7.41	82	735870	73.83	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	238189	86.90	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1102812	73.06	ng	0.00
79) Terphenyl-d14	12.96	244	822788	61.66	ng	0.00

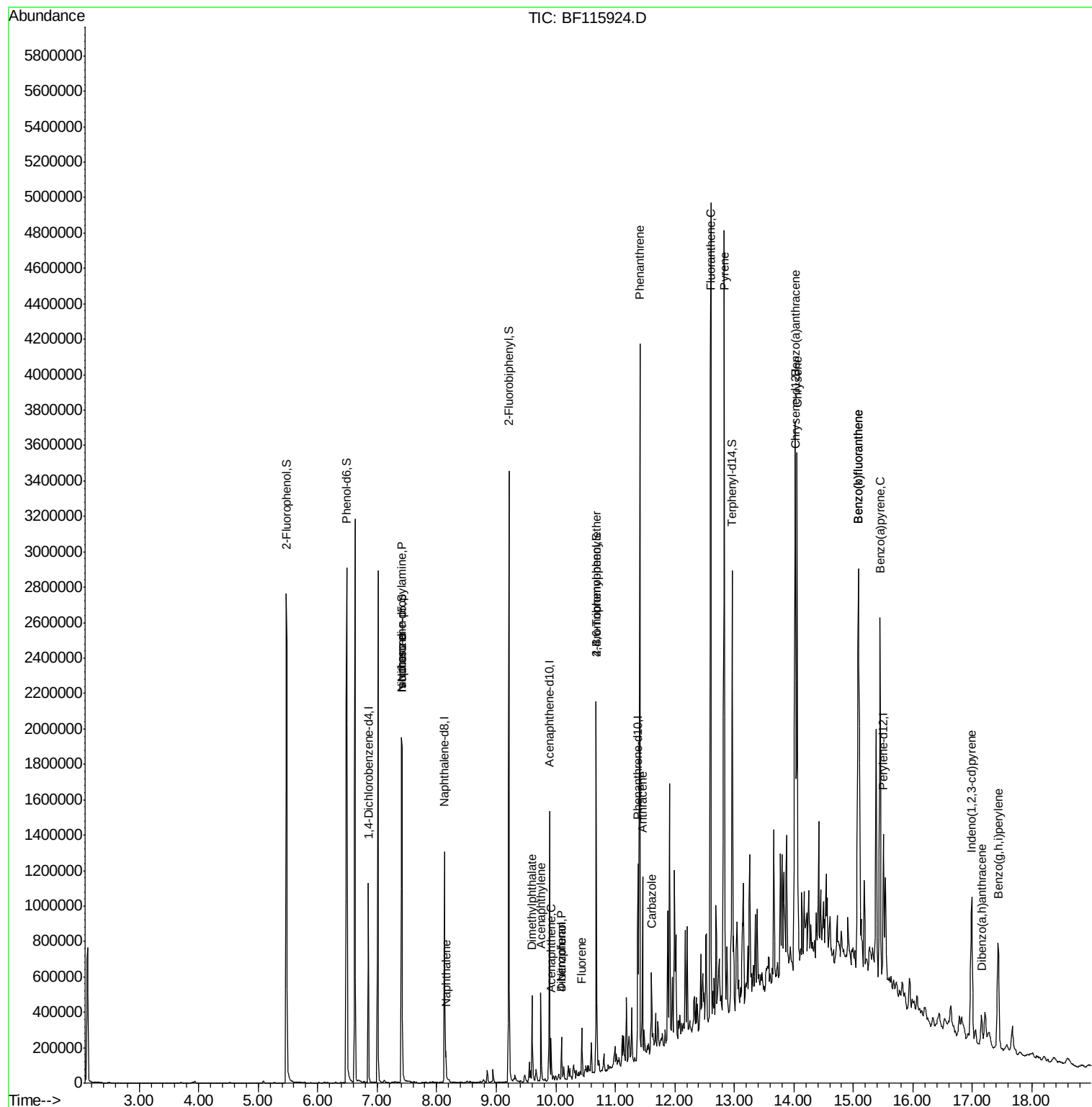
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	98234	13.947	ng	# 79
25) Isophorone	7.41	82	735861	38.609	ng	# 66
31) Naphthalene	8.15	128	66975	2.474	ng	99
49) Acenaphthylene	9.75	152	197587	8.152	ng	98
50) Dimethylphthalate	9.60	163	178469	9.271	ng	99
52) Acenaphthene	9.92	154	47736	3.210	ng	100
55) Dibenzofuran	10.10	168	73050	3.378	ng	99
56) 4-Nitrophenol	10.10	139	27551	8.320	ng	# 10
58) Fluorene	10.44	166	68619	4.125	ng	# 98
67) 4-Bromophenyl-phenylether	10.68	248	14680	3.343	ng	# 1
71) Phenanthrene	11.41	178	1542849	73.574	ng	99
72) Anthracene	11.46	178	368702	17.373	ng	100
73) Carbazole	11.61	167	176336	9.158	ng	98
75) Fluoranthene	12.60	202	2332109	106.229	ng	97
78) Pyrene	12.83	202	2209222	104.233	ng	99
81) Benzo(a)anthracene	14.02	228	1286352	71.578	ng	96
83) Chrysene	14.06	228	1162189	66.611	ng	96
86) Indeno(1,2,3-cd)pyrene	16.99	276	559089	38.153	ng	95
88) Benzo(b)fluoranthene	15.08	252	1984215	106.371	ng	# 94
89) Benzo(k)fluoranthene	15.08	252	1984215	109.209	ng	97
90) Benzo(a)pyrene	15.45	252	1049542	62.941	ng	98
91) Dibenzo(a,h)anthracene	17.15	278	114861	7.958	ng	95
92) Benzo(g,h,i)perylene	17.43	276	497806	35.117	ng	99

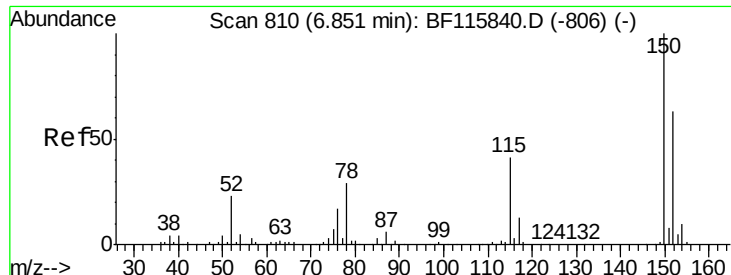
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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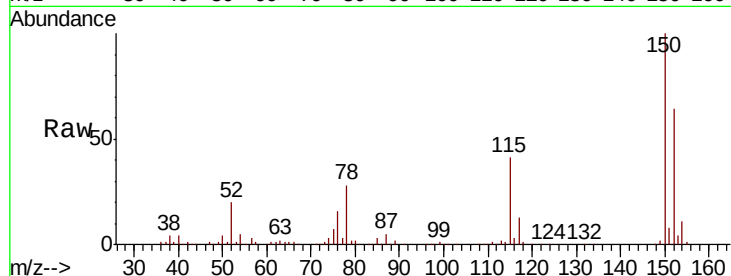


#1

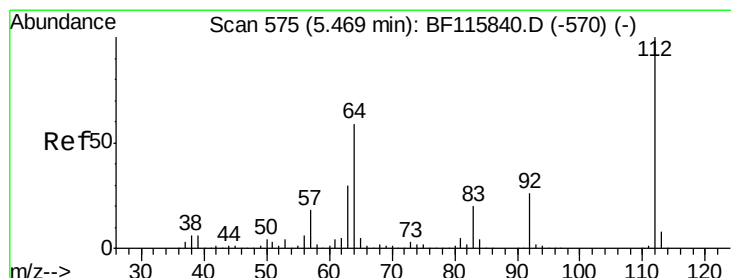
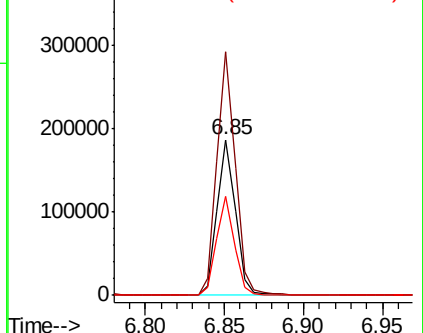
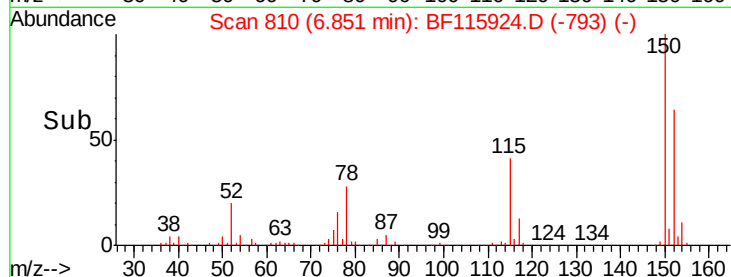
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:152 Resp: 150813
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.0
115 63.8 51.8 77.8



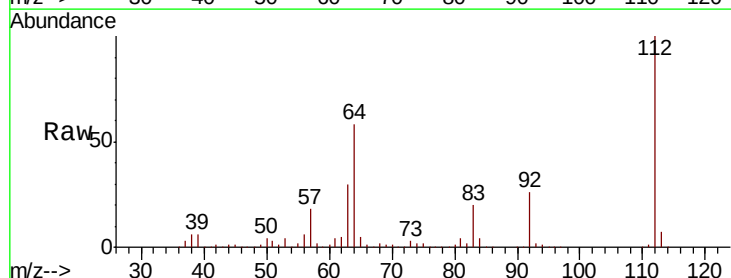
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



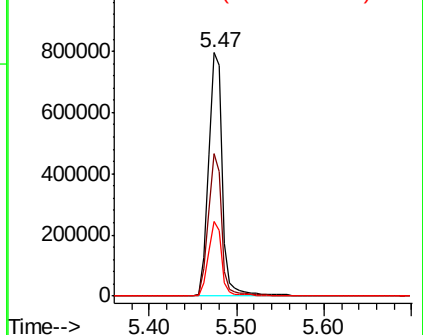
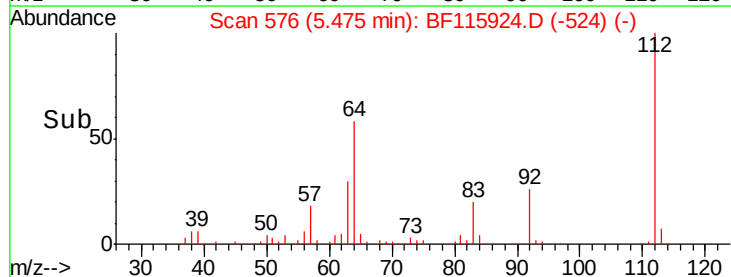
#5

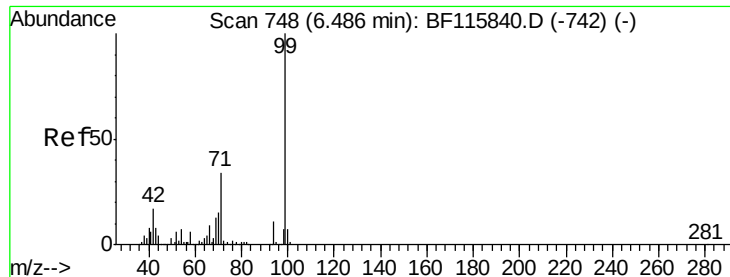
2-Fluorophenol
Concen: 97.696 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Tgt Ion:112 Resp: 880121
Ion Ratio Lower Upper
112 100
64 58.4 46.8 70.2
63 30.4 24.2 36.2



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





#7

Phenol-d6

Concen: 102.095 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampleId :

SP-1

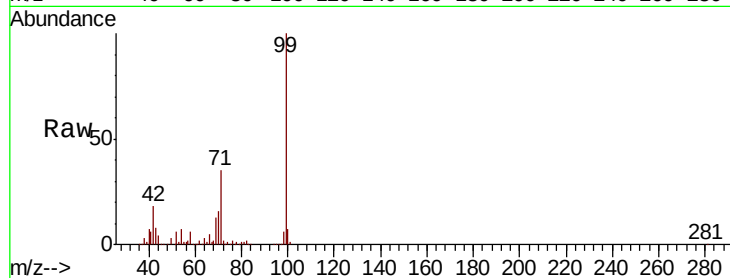
Tgt Ion: 99 Resp: 1160430

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.6

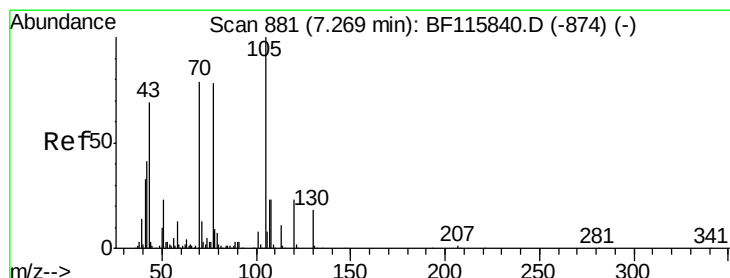
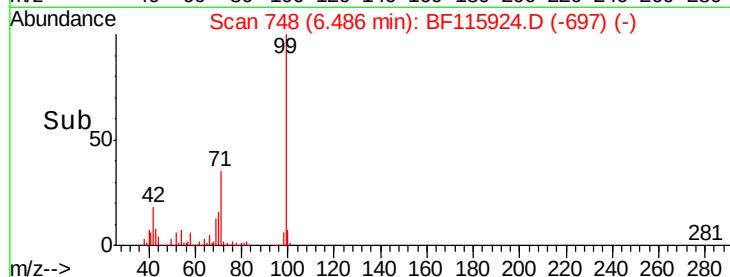
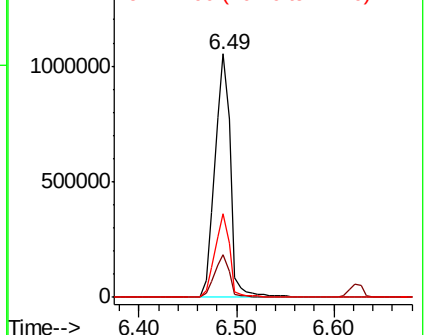
71 34.6 27.1 40.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.947 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Tgt Ion: 70 Resp: 98234

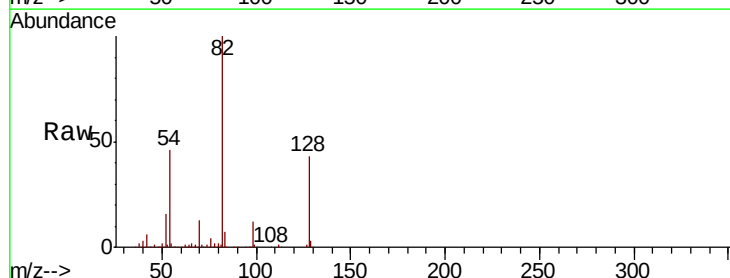
Ion Ratio Lower Upper

70 100

42 44.9 41.8 62.8

101 0.0 7.7 11.5#

130 2.1 17.8 26.6#

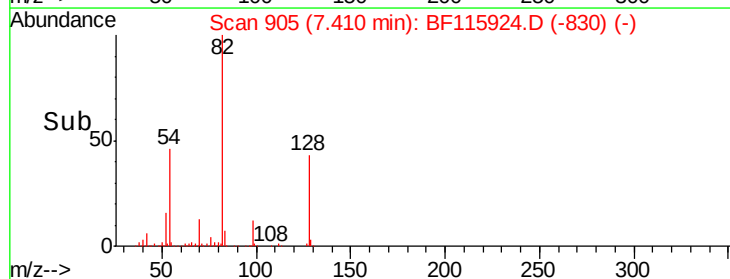
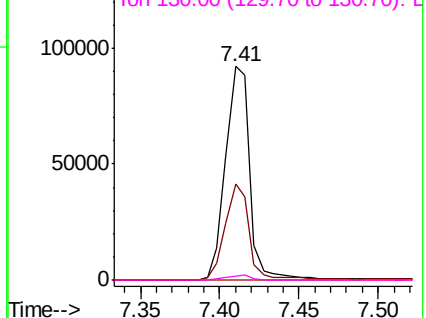


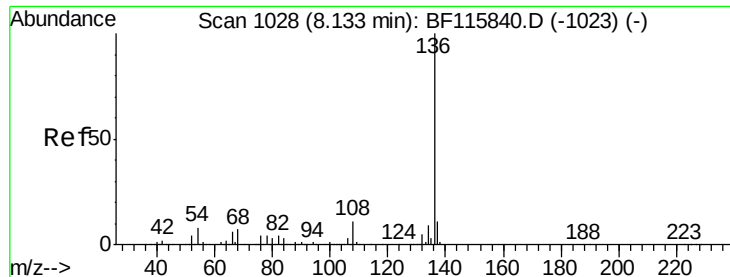
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

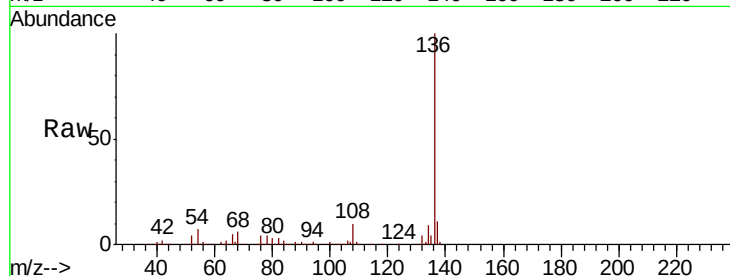




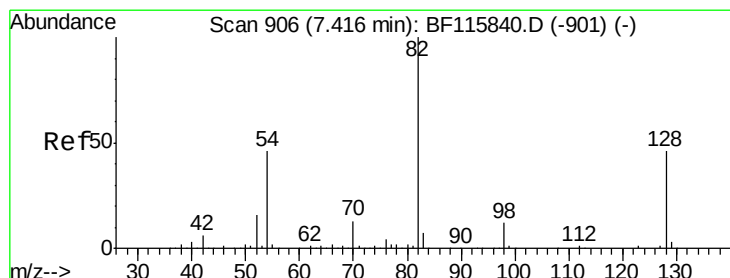
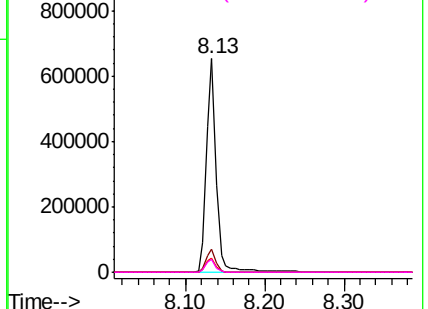
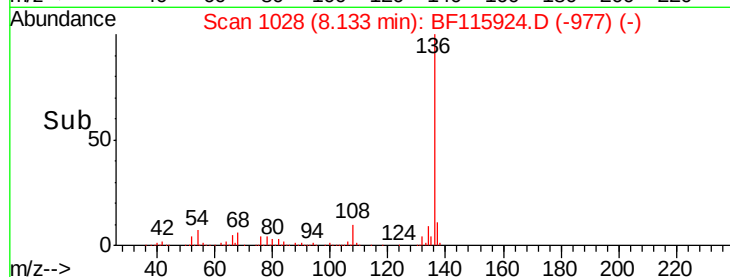
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:	136	Resp:	575354
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.7	6.1	9.1
68	6.0	5.4	8.2

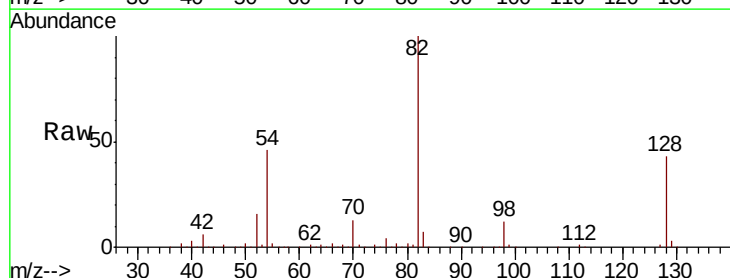


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

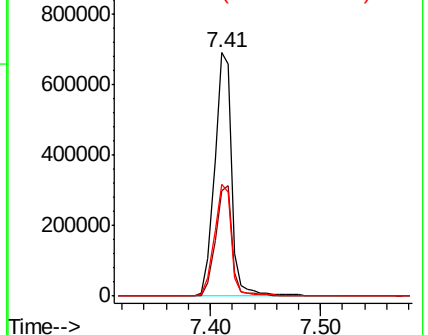
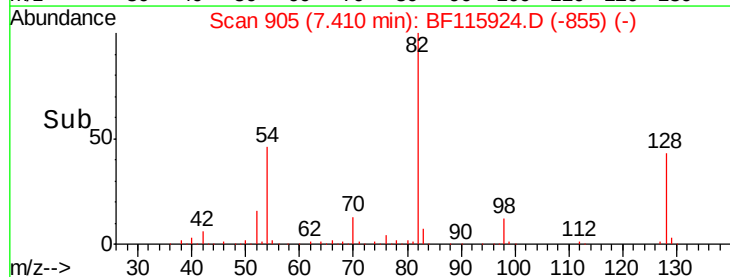


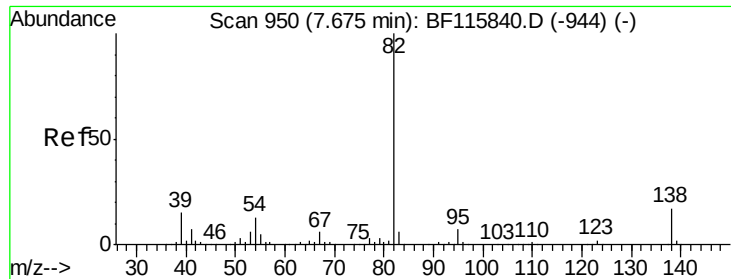
#23
Nitrobenzene-d5
Concen: 73.827 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Tgt Ion:	82	Resp:	735870
Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.6	55.0
54	46.0	36.6	55.0



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





#25

Isophorone

Concen: 38.609 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampled :

SP-1

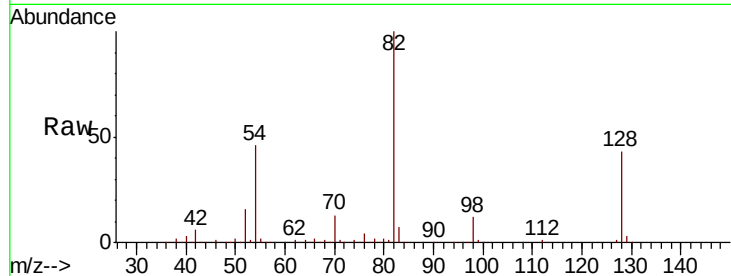
Tgt Ion: 82 Resp: 735861

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

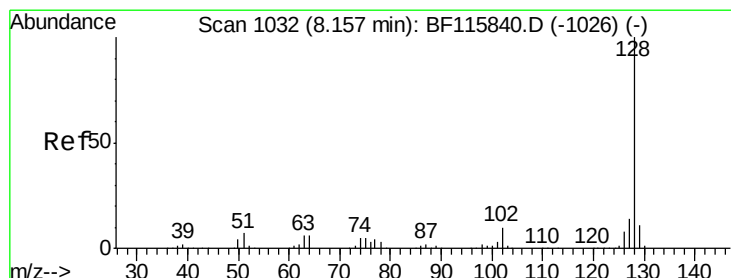
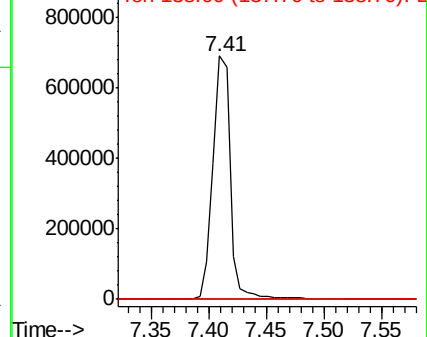
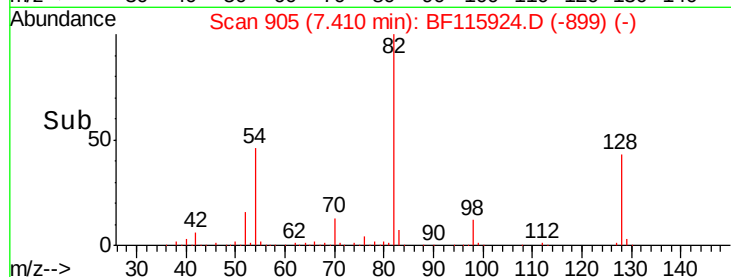
138 0.0 13.9 20.9#



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: 2.474 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

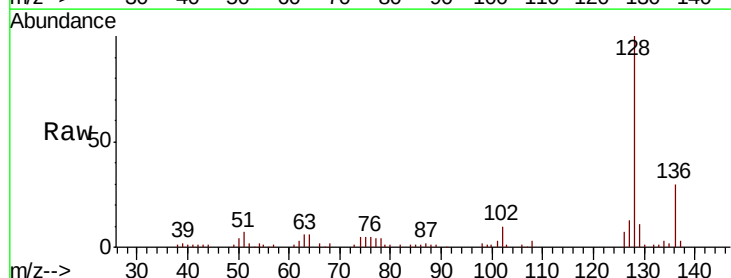
Tgt Ion: 128 Resp: 66975

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

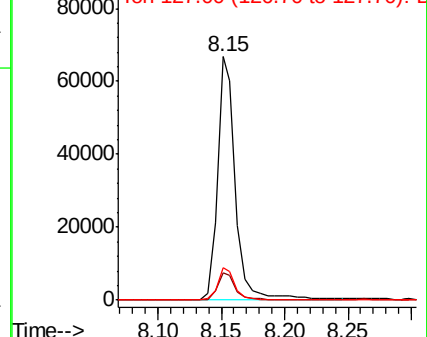
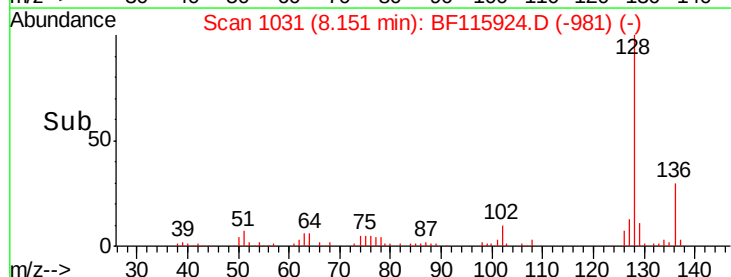
127 13.5 11.0 16.4

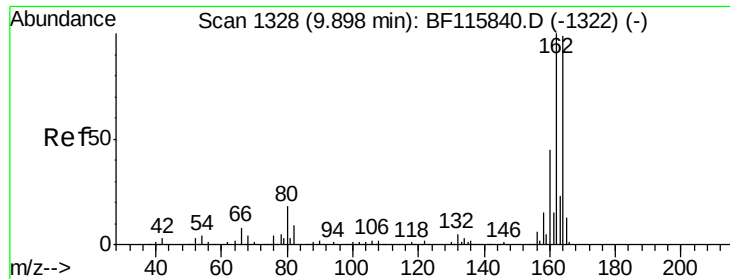


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

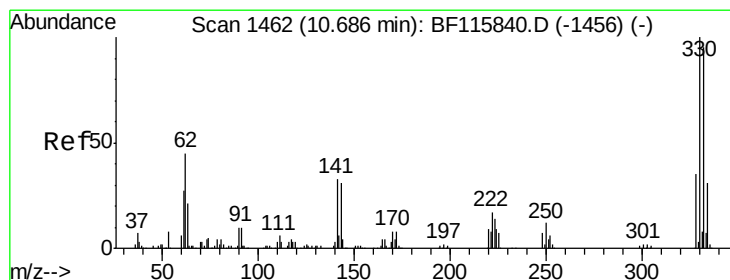
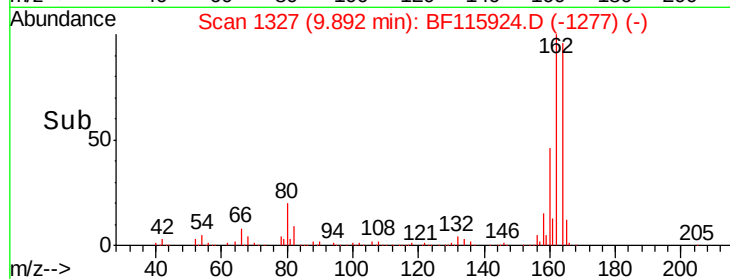
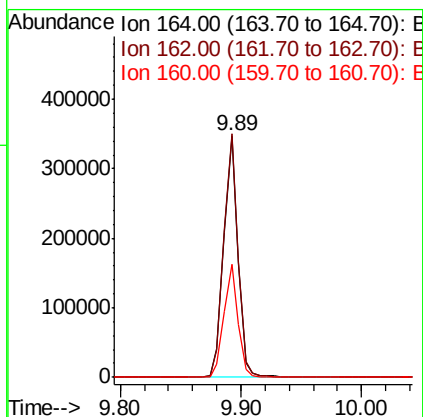
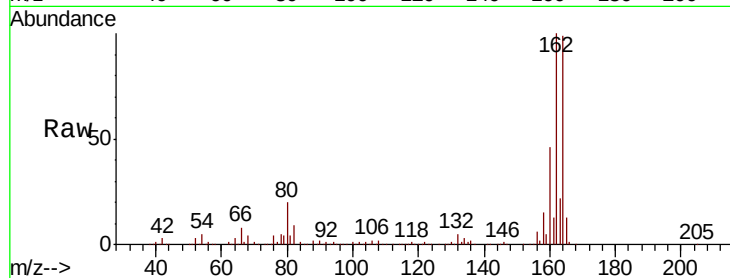




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

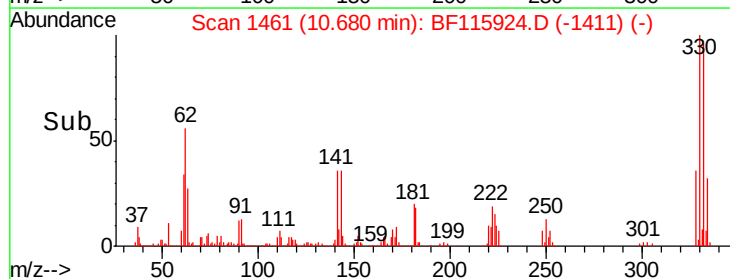
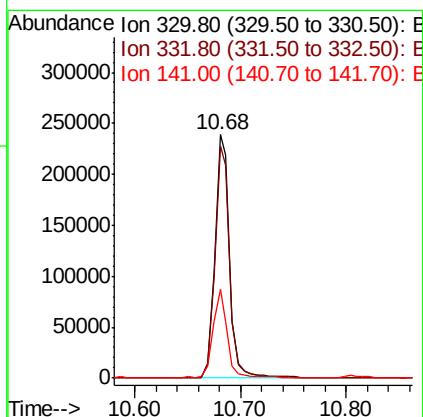
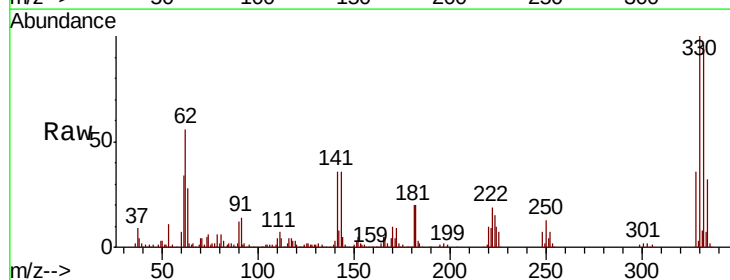
Instrument :
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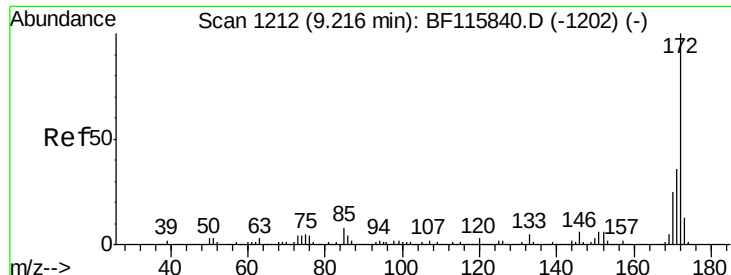
Tgt Ion:164 Resp: 282725
 Ion Ratio Lower Upper
 164 100
 162 100.8 80.8 121.2
 160 46.7 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 86.895 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Tgt Ion:330 Resp: 238189
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.7 116.5
 141 34.8 28.1 42.1

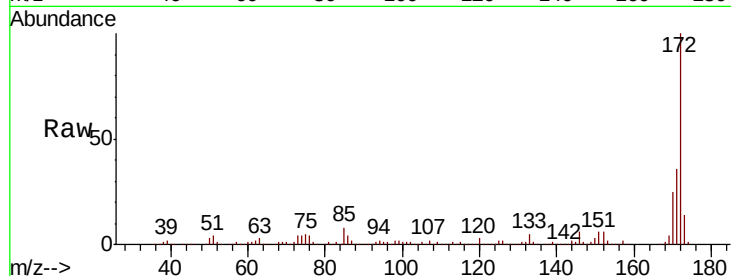




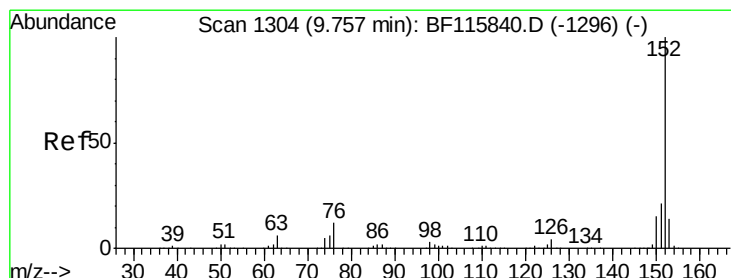
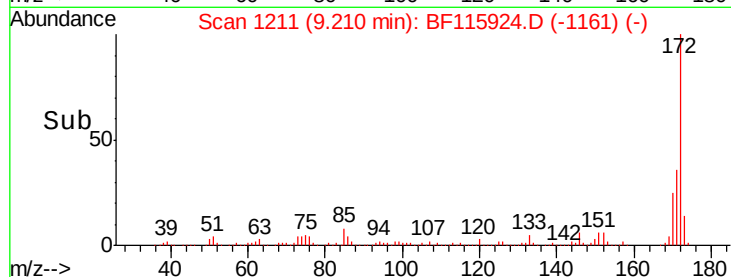
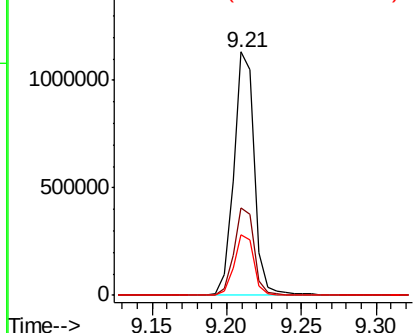
#45
2-Fluorobiphenyl
Concen: 73.062 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:172 Resp: 1102812
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 24.8 20.1 30.1

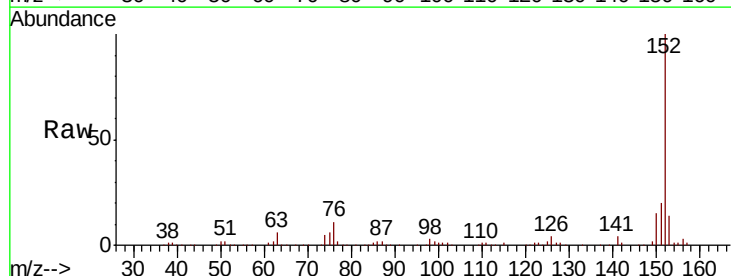


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

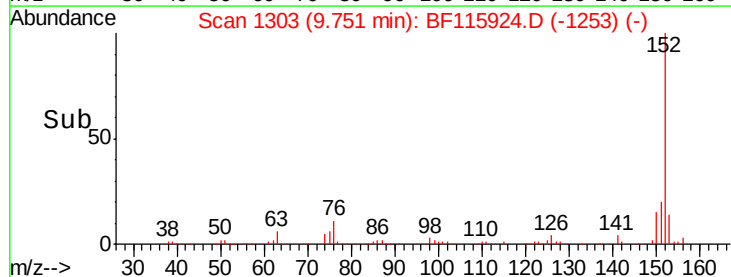
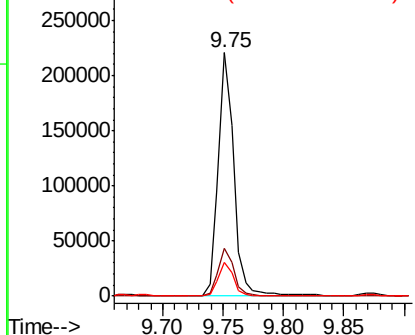


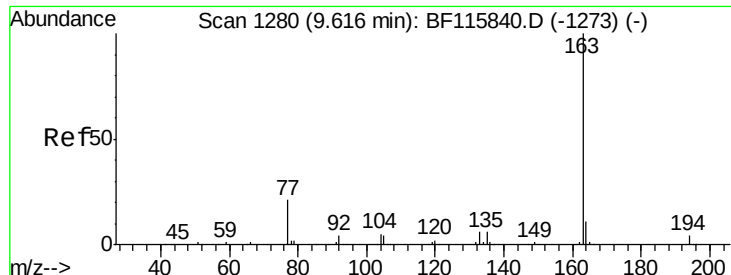
#49
Acenaphthylene
Concen: 8.152 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Tgt Ion:152 Resp: 197587
Ion Ratio Lower Upper
152 100
151 19.9 16.8 25.2
153 13.7 11.6 17.4



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: 9.271 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampleId :

SP-1

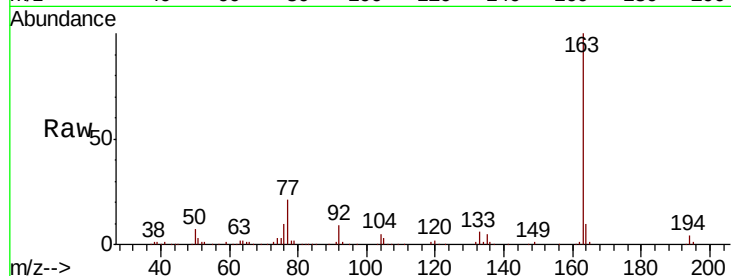
Tgt Ion:163 Resp: 178469

Ion Ratio Lower Upper

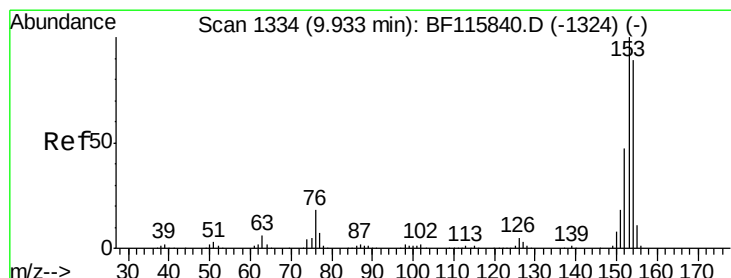
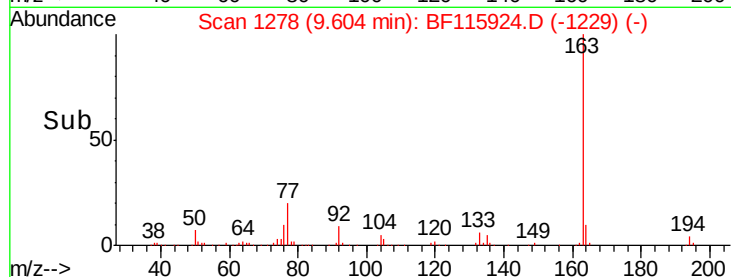
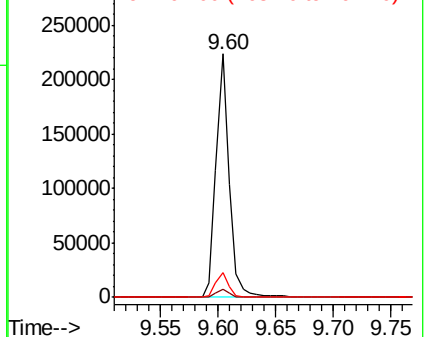
163 100

194 3.6 3.0 4.6

164 10.3 8.4 12.6



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



#52

Acenaphthene

Concen: 3.210 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

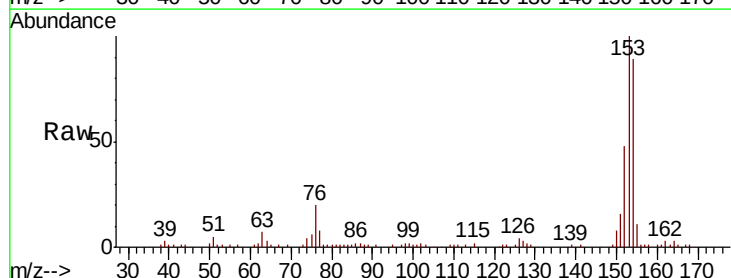
Tgt Ion:154 Resp: 47736

Ion Ratio Lower Upper

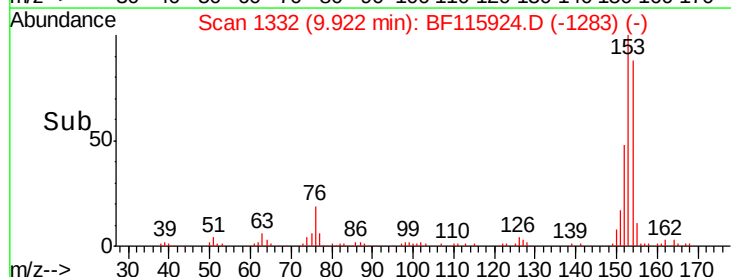
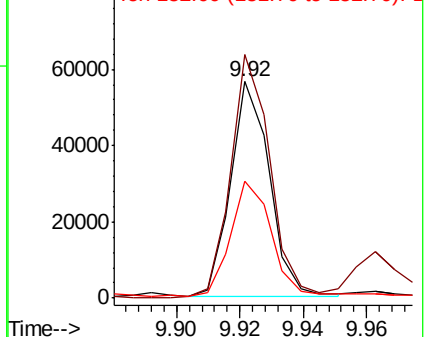
154 100

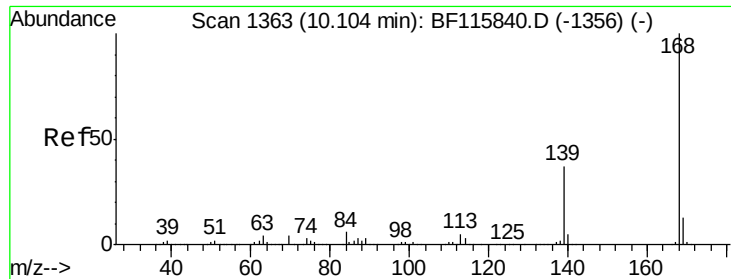
153 112.5 90.1 135.1

152 53.8 42.6 63.8



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

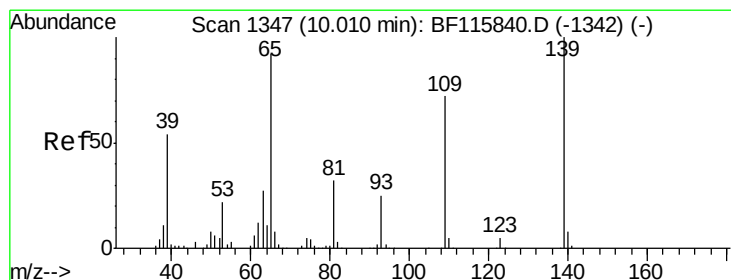
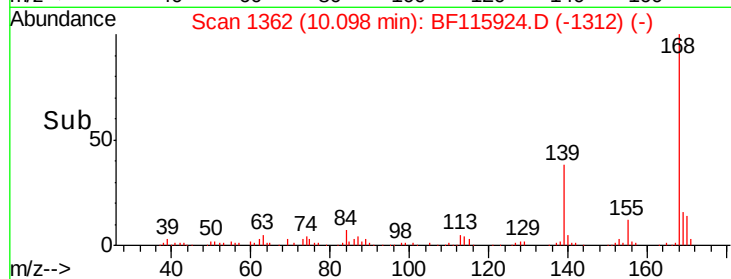
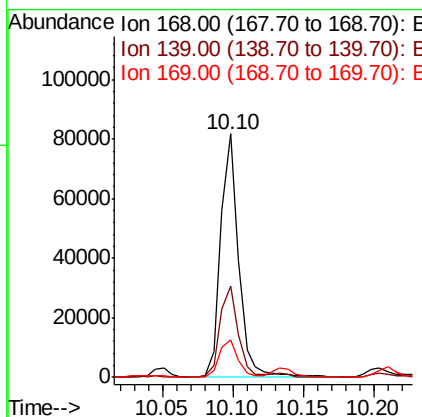
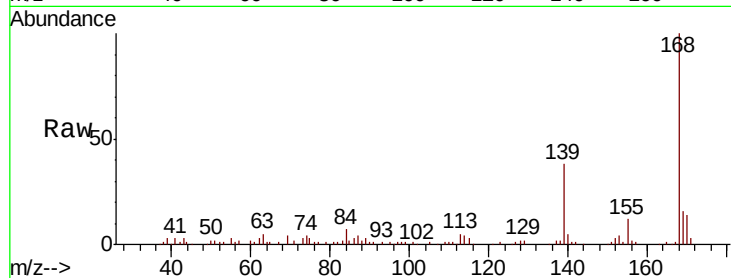




#55
Dibenzenofuran
Concen: 3.378 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

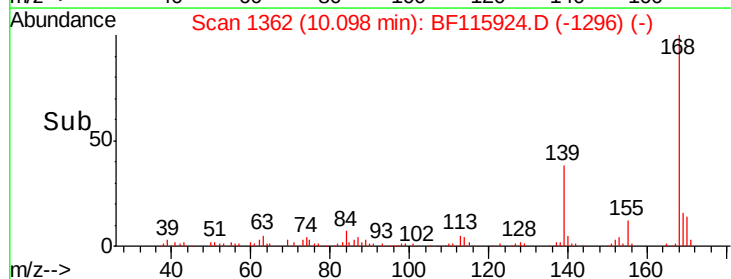
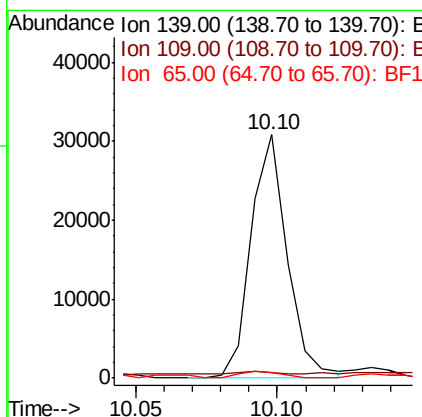
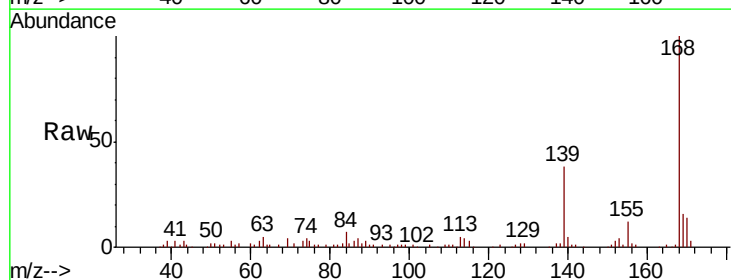
Instrument :
BNA_F
ClientSampleId :
SP-1

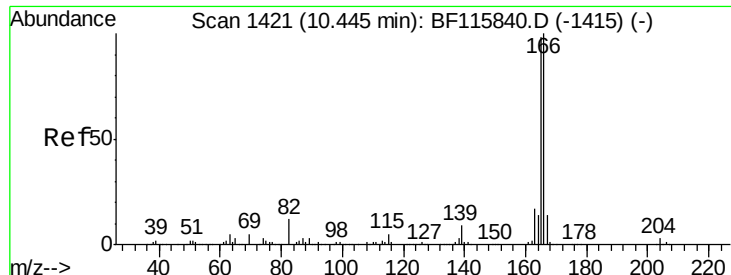
Tgt Ion:168 Resp: 73050
Ion Ratio Lower Upper
168 100
139 37.7 30.2 45.2
169 15.6 10.8 16.2



#56
4-Nitrophenol
Concen: 8.320 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.09 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Tgt Ion:139 Resp: 27551
Ion Ratio Lower Upper
139 100
109 2.4 52.0 92.0#
65 2.3 72.6 112.6#





#58

Fluorene

Concen: 4.125 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampled :

SP-1

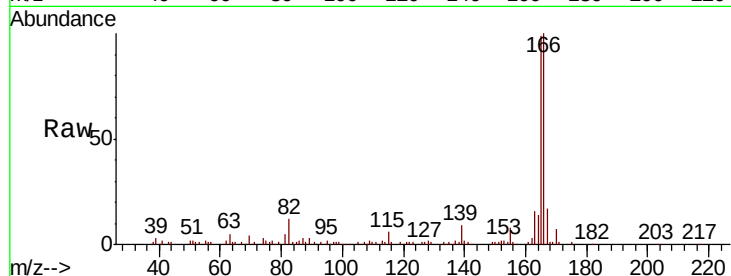
Tgt Ion:166 Resp: 68619

Ion Ratio Lower Upper

166 100

165 99.5 78.6 118.0

167 16.7 10.9 16.3#

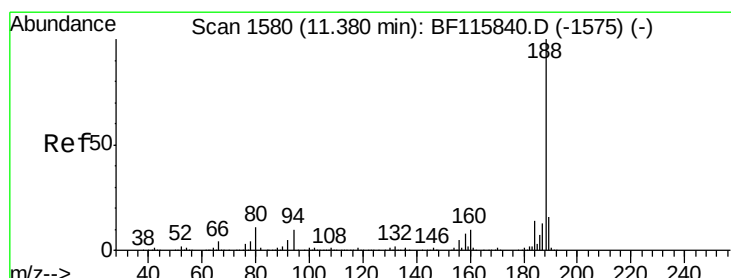
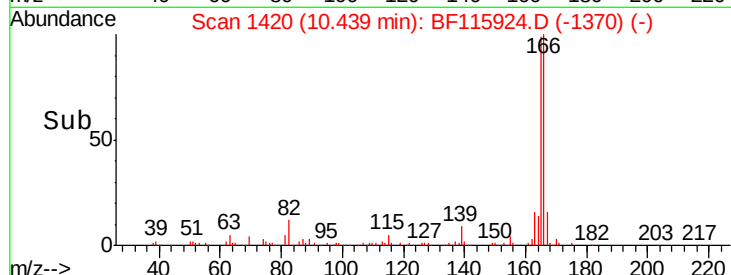
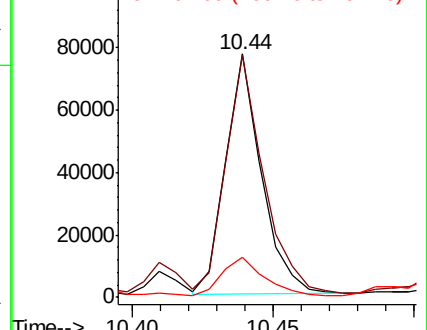


Abundance

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

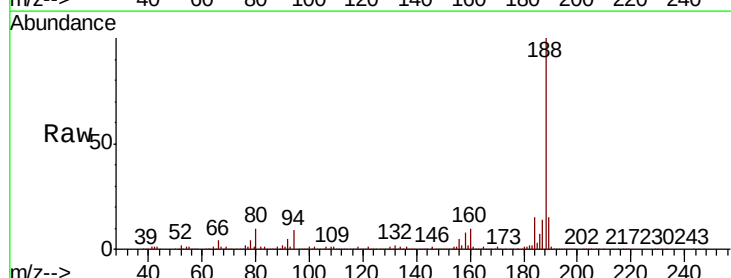
Tgt Ion:188 Resp: 410194

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

80 10.2 8.6 12.8

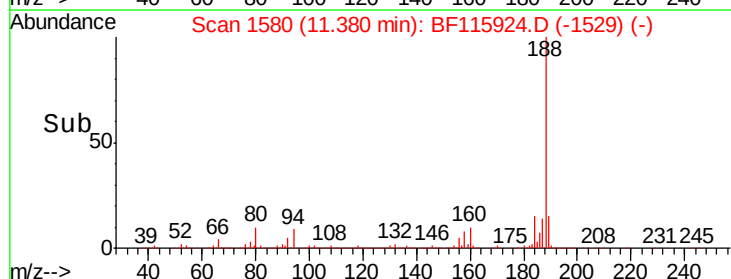
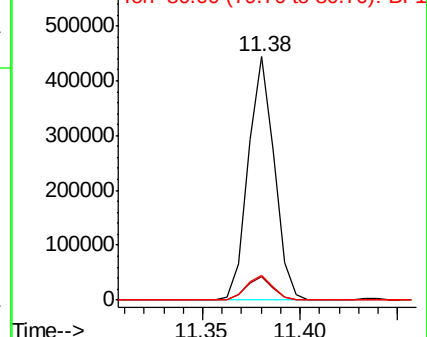


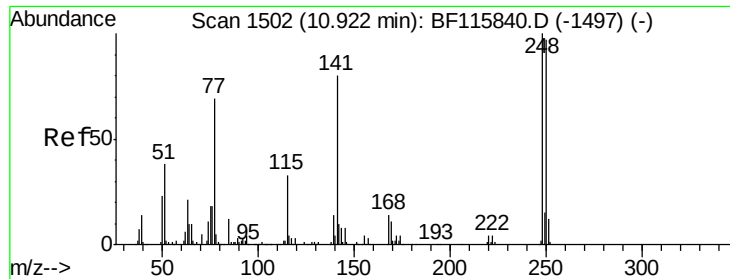
Abundance

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

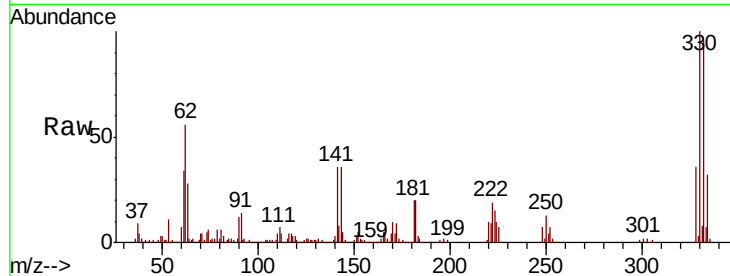




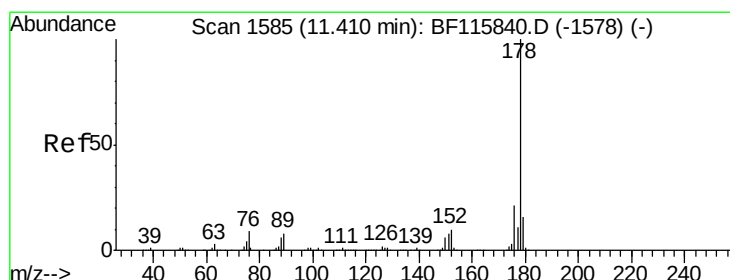
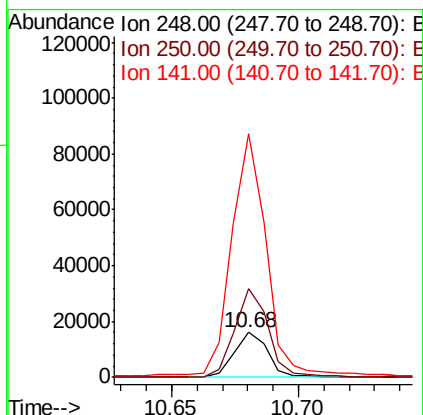
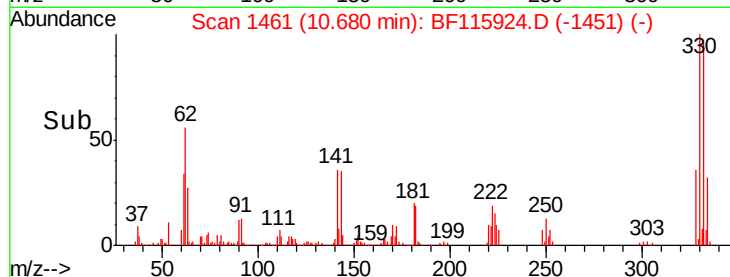
#67
 4-Bromophenyl-phenylether
 Concen: 3.343 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tgt Ion:248 Resp: 14680
 Ion Ratio Lower Upper
 248 100
 250 198.2 77.8 116.6#
 141 540.5 64.3 96.5#

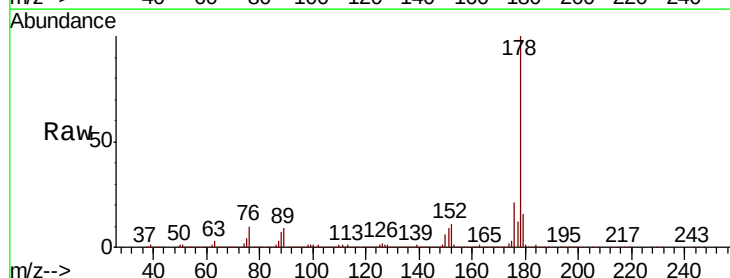


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

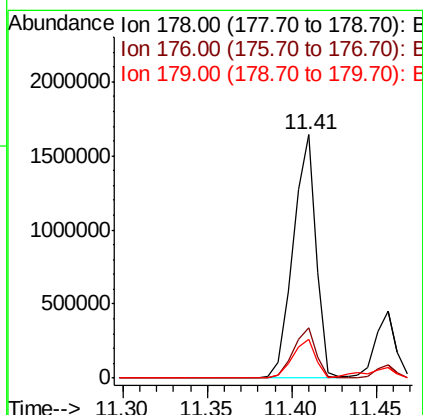
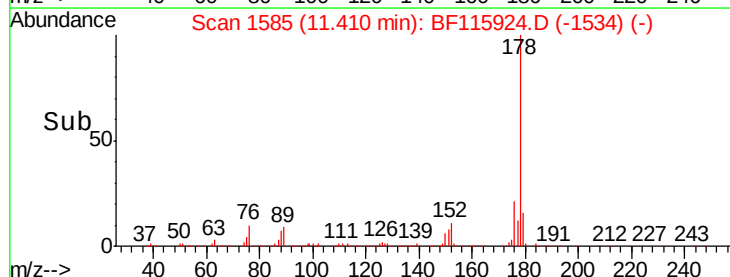


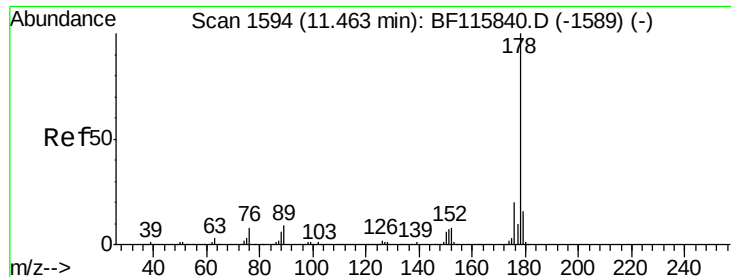
#71
 Phenanthrene
 Concen: 73.574 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Tgt Ion:178 Resp: 1542849
 Ion Ratio Lower Upper
 178 100
 176 20.9 16.5 24.7
 179 16.0 12.6 18.8



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





#72

Anthracene

Concen: 17.373 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampleId :

SP-1

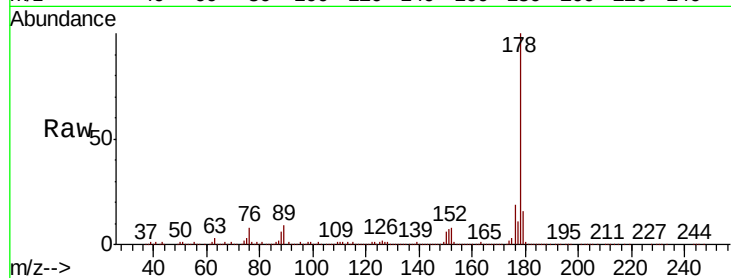
Tgt Ion:178 Resp: 368702

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

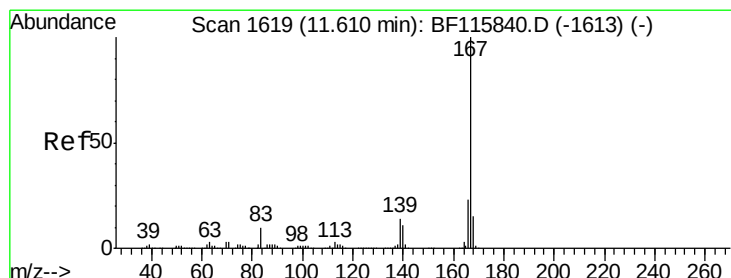
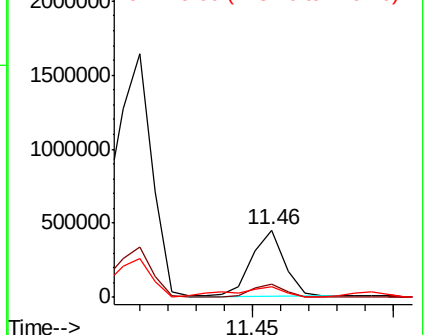
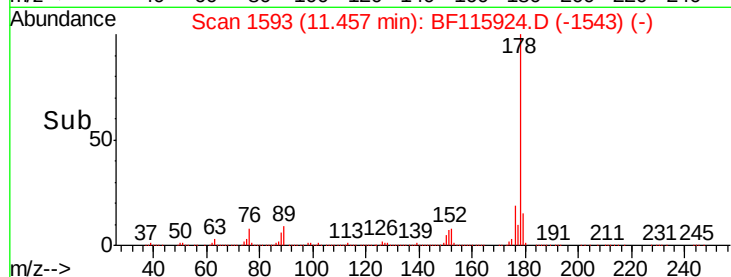
179 15.6 12.4 18.6



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: 9.158 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

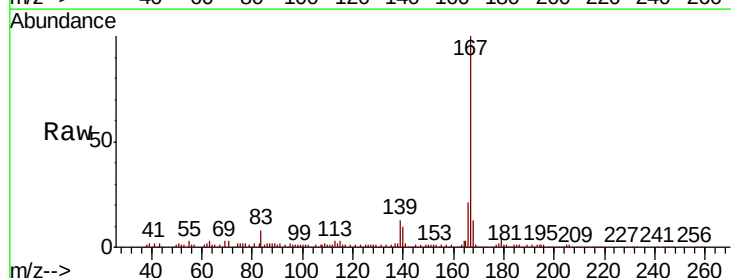
Tgt Ion:167 Resp: 176336

Ion Ratio Lower Upper

167 100

166 21.4 18.0 27.0

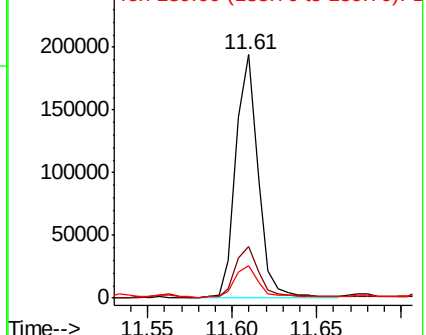
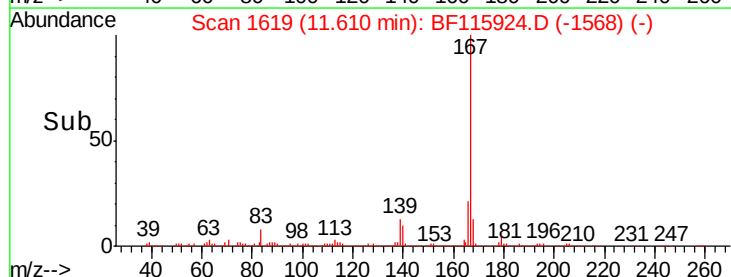
139 13.3 11.4 17.2

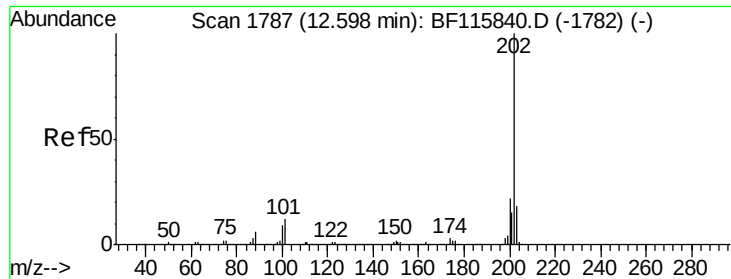


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 106.229 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampled :

SP-1

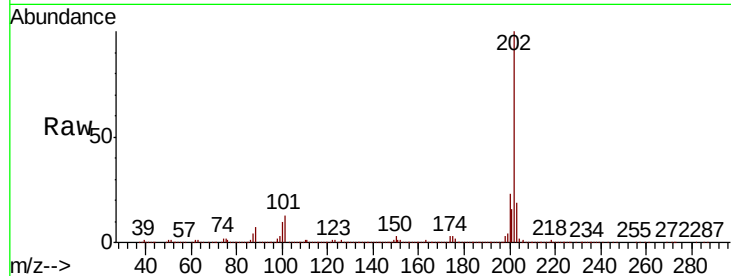
Tgt Ion:202 Resp: 2332109

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.5

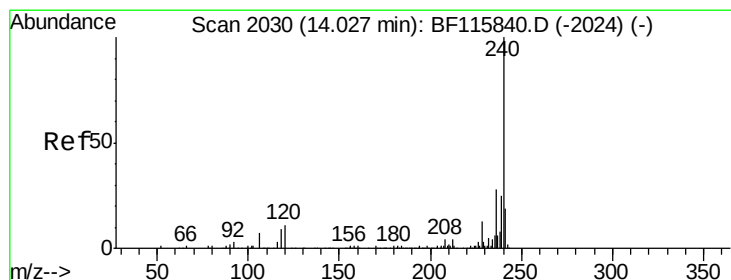
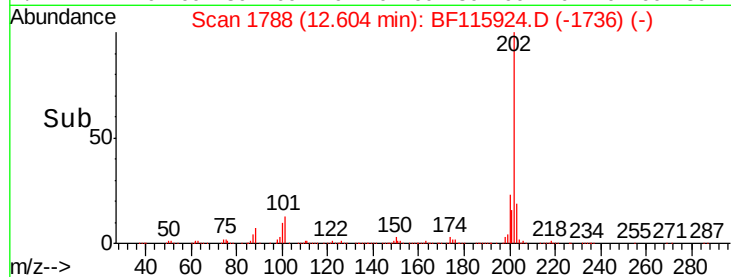
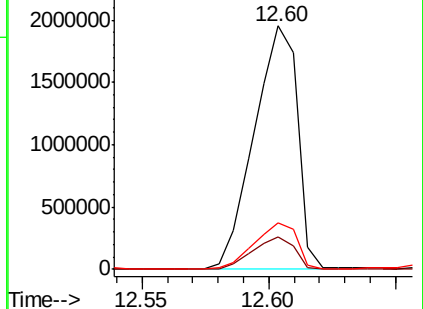
203 19.0 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

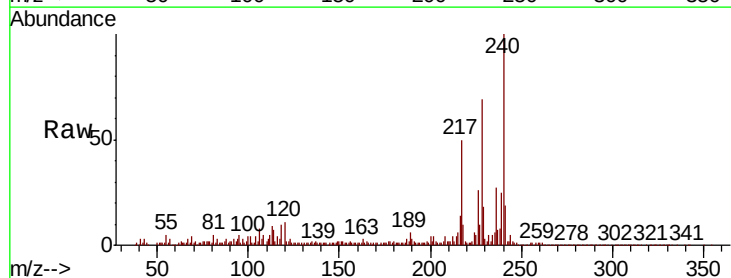
Tgt Ion:240 Resp: 281171

Ion Ratio Lower Upper

240 100

120 11.1 8.5 12.7

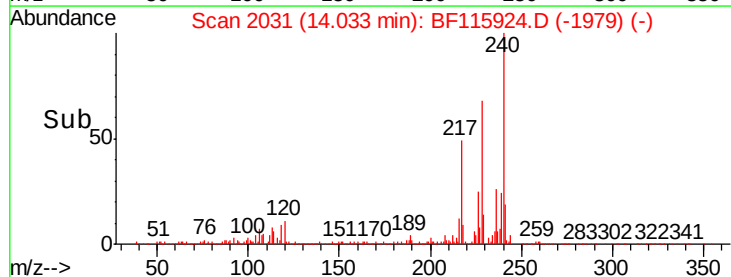
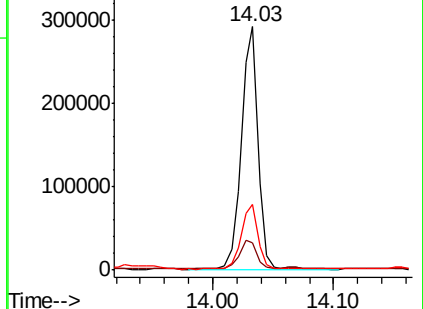
236 26.9 22.2 33.2

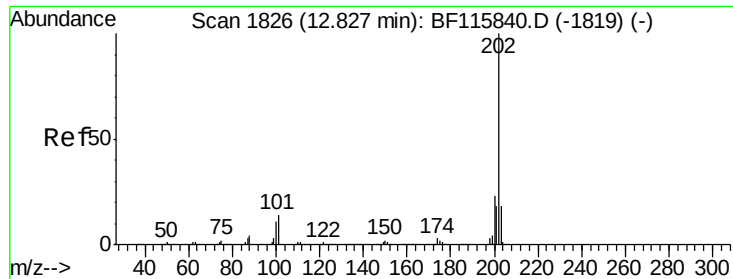


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



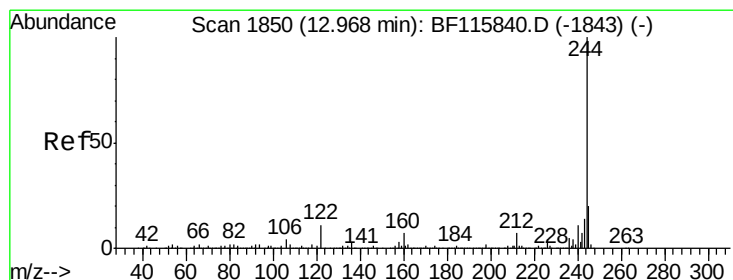
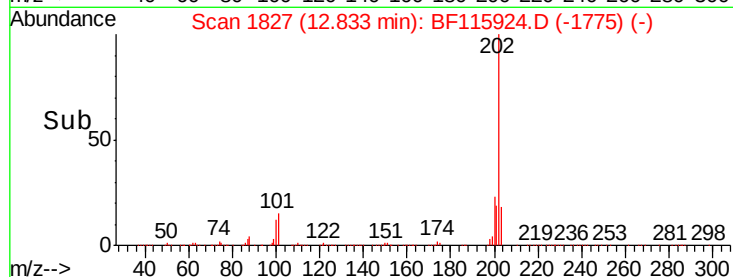
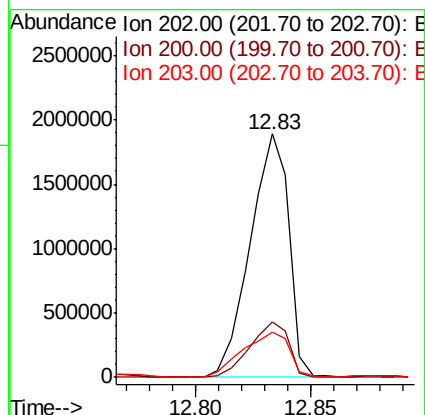
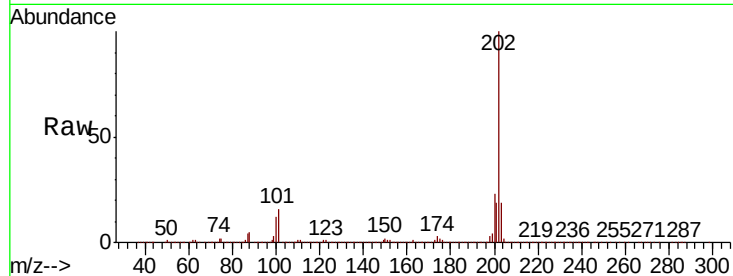


#78
 Pyrene
 Concen: 104.233 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:202 Resp: 2209222

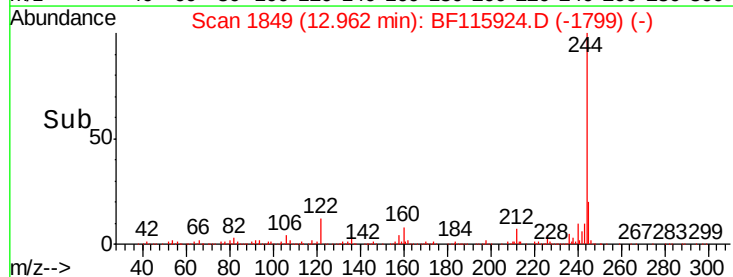
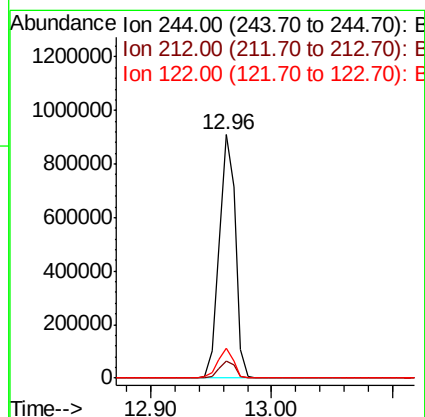
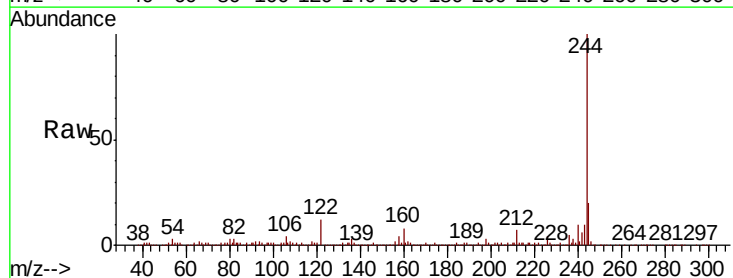
Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.2	27.2
203	18.8	14.3	21.5

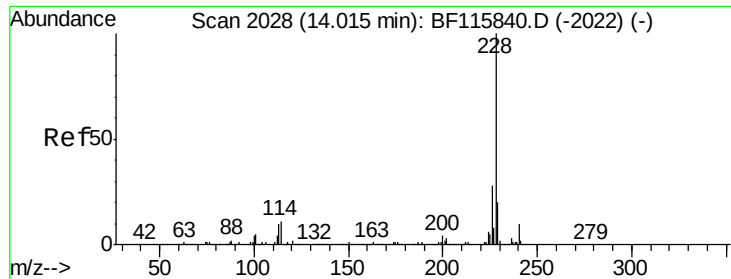


#79
 Terphenyl-d14
 Concen: 61.662 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Tgt Ion:244 Resp: 822788

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	12.5	8.6	13.0

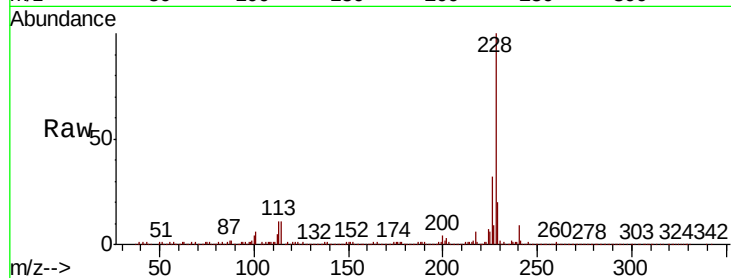




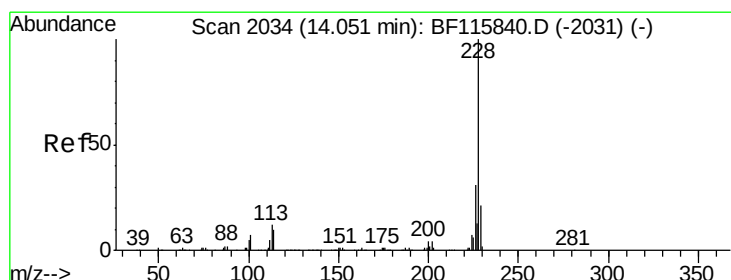
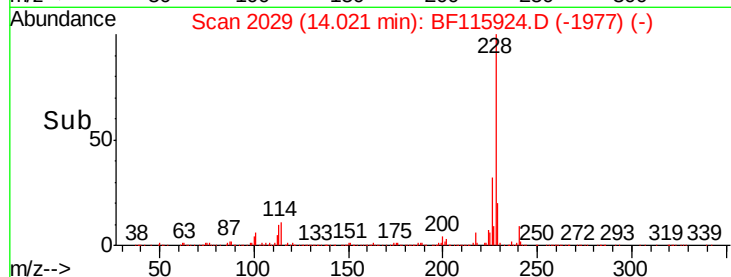
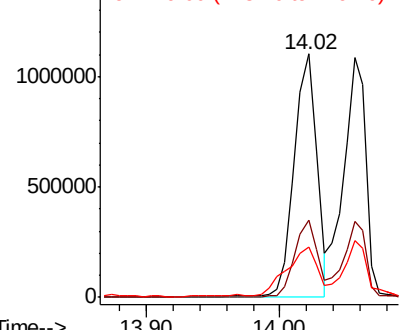
#81
Benzo(a)anthracene
Concen: 71.578 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:228 Resp: 1286352
Ion Ratio Lower Upper
228 100
226 31.7 22.5 33.7
229 20.5 16.1 24.1

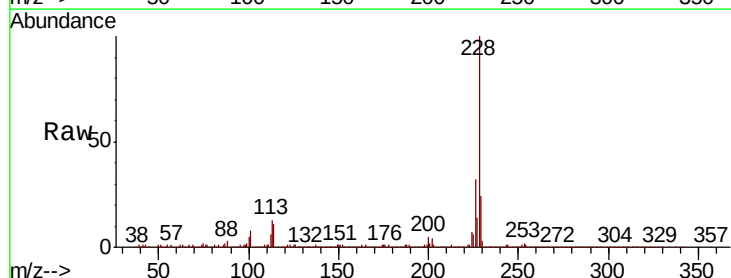


Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

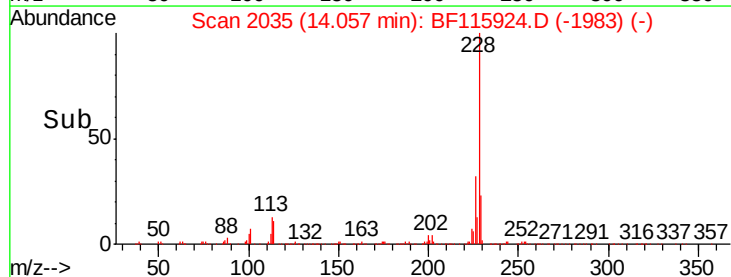
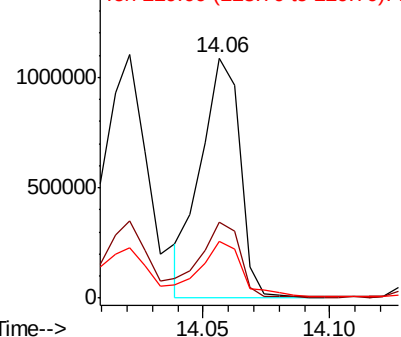


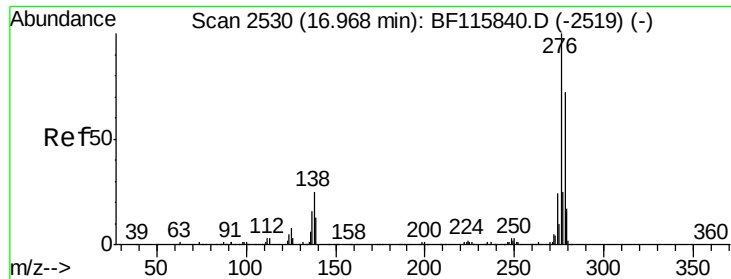
#83
Chrysene
Concen: 66.611 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Tgt Ion:228 Resp: 1162189
Ion Ratio Lower Upper
228 100
226 31.7 24.8 37.2
229 23.7 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

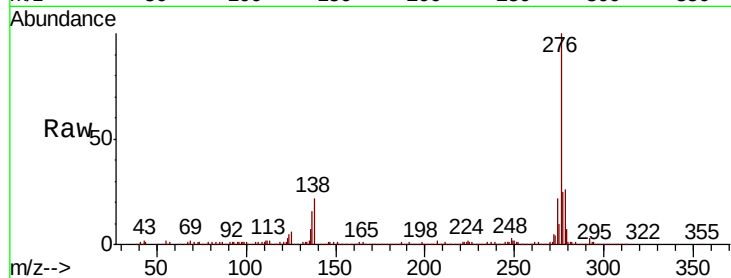




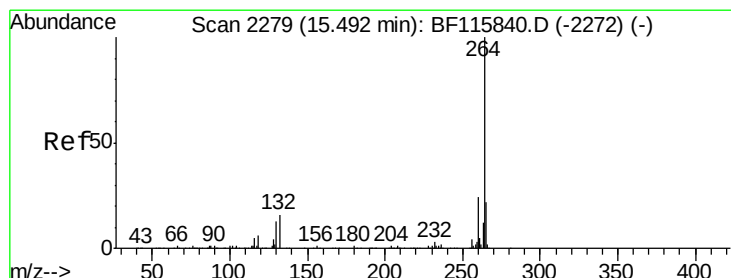
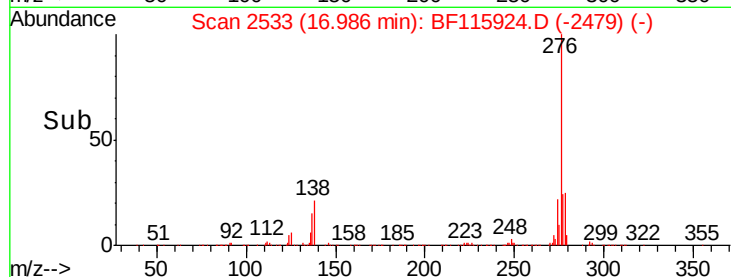
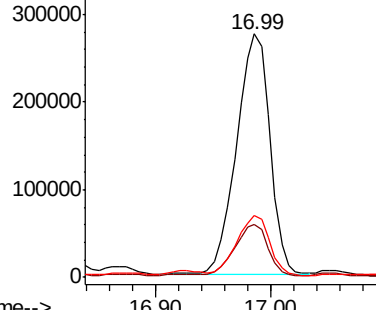
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 38.153 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. 0.02 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.6	29.4
277	24.1	20.1	30.1

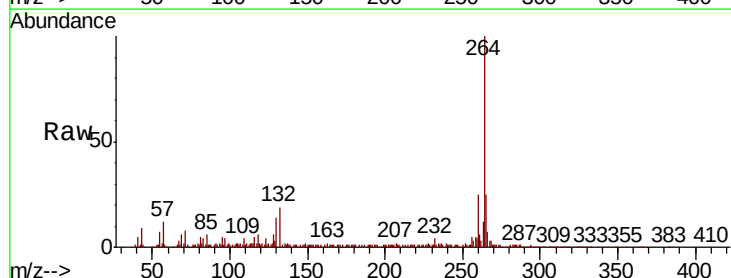


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

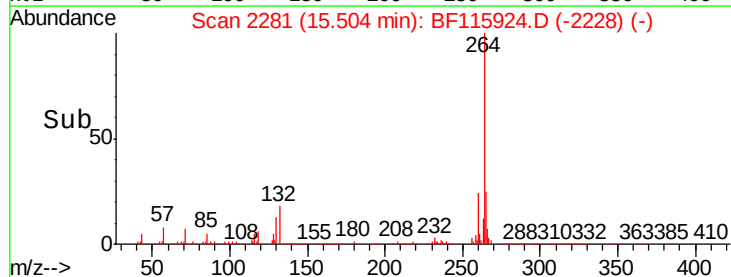
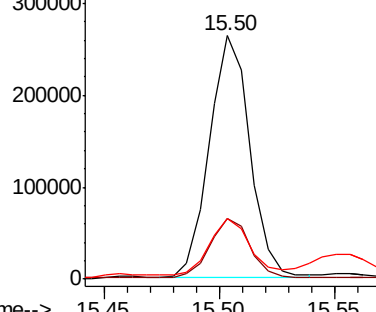


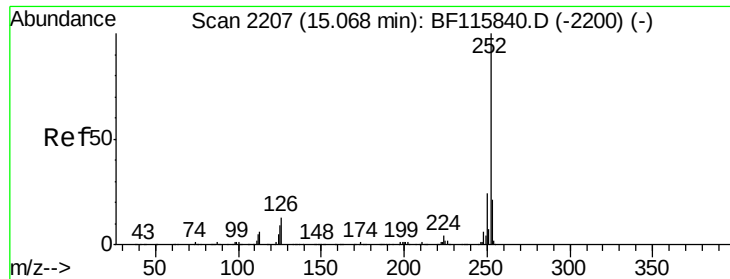
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	25.0	17.5	26.3



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

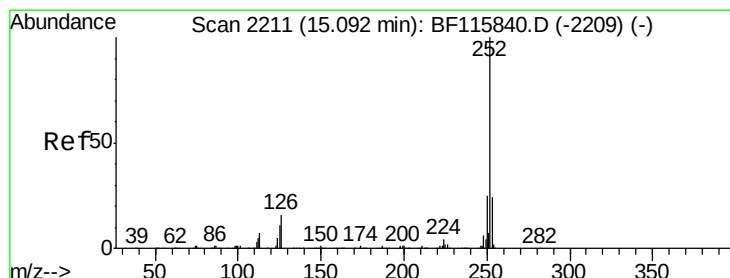
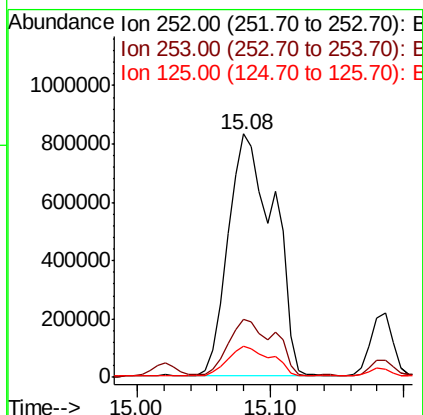
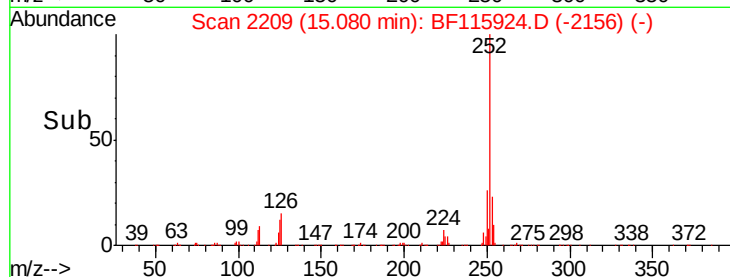
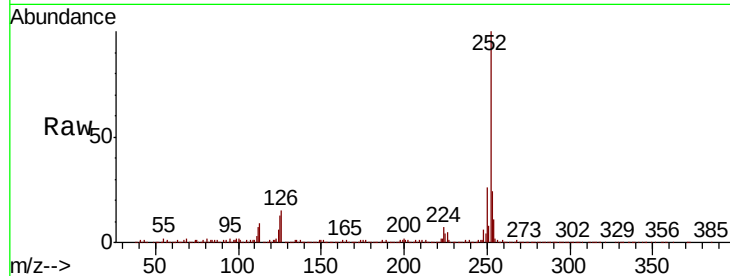




#88
Benzo(b)fluoranthene
Concen: 106.371 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

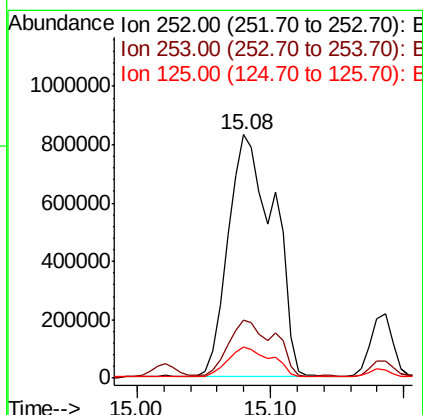
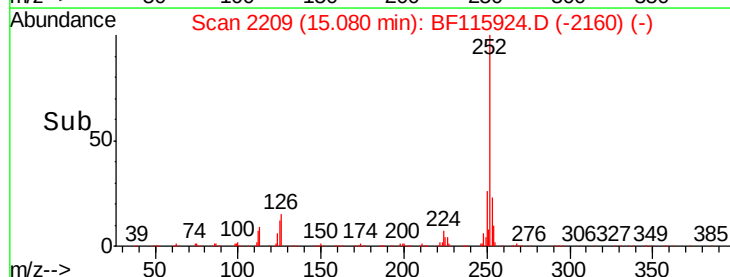
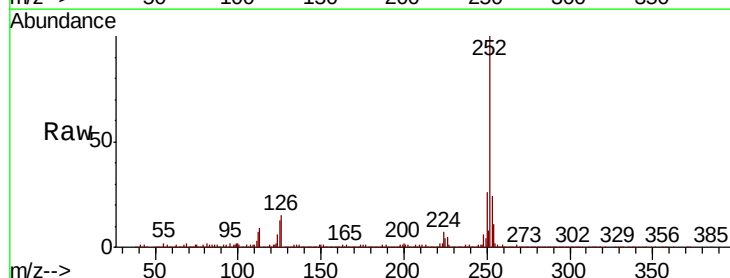
Instrument :
BNA_F
ClientSampled :
SP-1

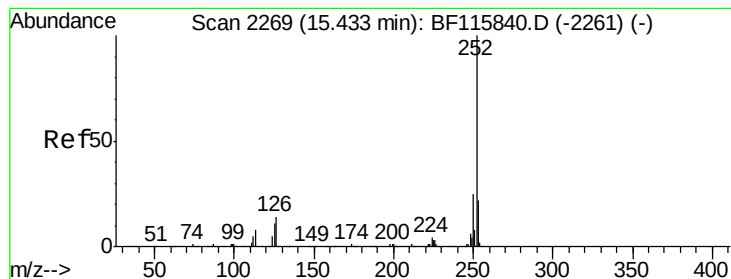
Tgt Ion:252 Resp: 1984215
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 12.7 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 109.209 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF115924.D
Acq: 1 Aug 2019 23:15

Tgt Ion:252 Resp: 1984215
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.4
125 12.7 8.9 13.3





#90

Benzo(a)pyrene

Concen: 62.941 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.02 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampleId :

SP-1

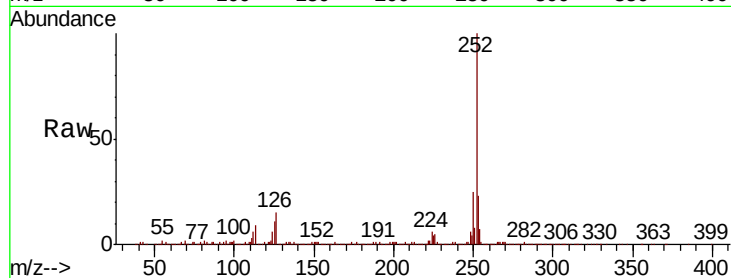
Tgt Ion:252 Resp: 1049542

Ion Ratio Lower Upper

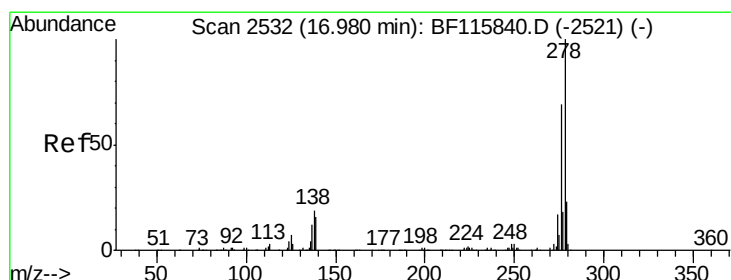
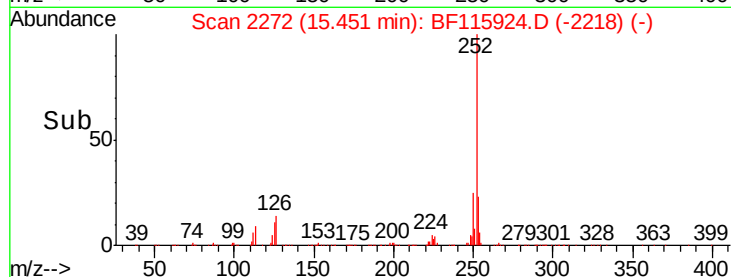
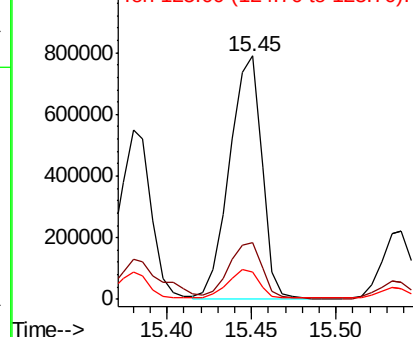
252 100

253 23.4 17.8 26.6

125 11.3 8.8 13.2



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



#91

Dibenzo(a,h)anthracene

Concen: 7.958 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.17 min

Lab File: BF115924.D

Acq: 1 Aug 2019 23:15

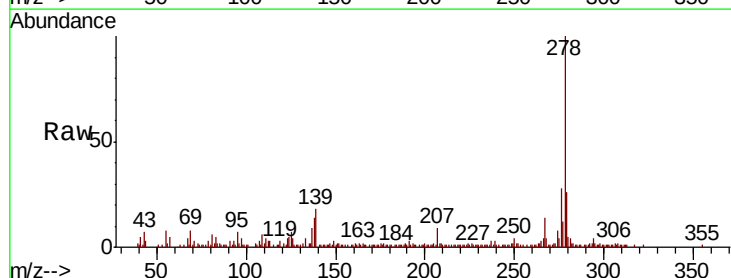
Tgt Ion:278 Resp: 114861

Ion Ratio Lower Upper

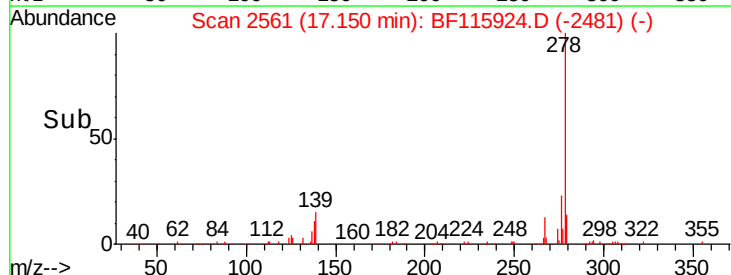
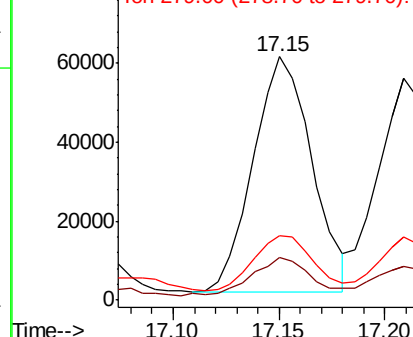
278 100

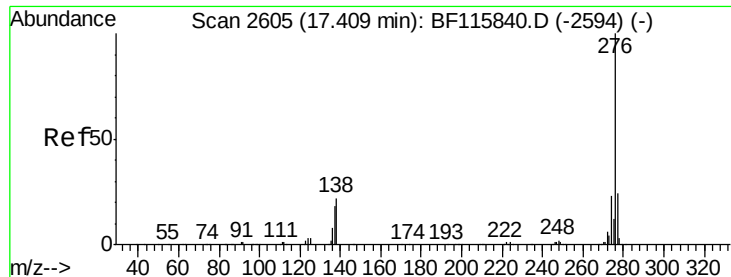
139 17.6 12.6 19.0

279 26.5 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 35.117 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.02 min
 Lab File: BF115924.D
 Acq: 1 Aug 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.5	29.3
138	21.7	17.8	26.8

