

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115886.D
 Acq On : 1 Aug 2019 00:19
 Operator : HP/JU
 Sample : K4049-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Quant Time: Aug 01 05:00:23 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	125666	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	480432	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	234024	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	378098	20.00	ng	0.00
76) Chrysene-d12	14.03	240	297230	20.00	ng	0.00
87) Perylene-d12	15.50	264	294464	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	362753	48.32	ng	0.00
7) Phenol-d6	6.48	99	487251	51.45	ng	0.00
23) Nitrobenzene-d5	7.41	82	273524	32.86	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	103950	45.81	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	471118	37.71	ng	0.00
79) Terphenyl-d14	12.96	244	416259	29.51	ng	0.00

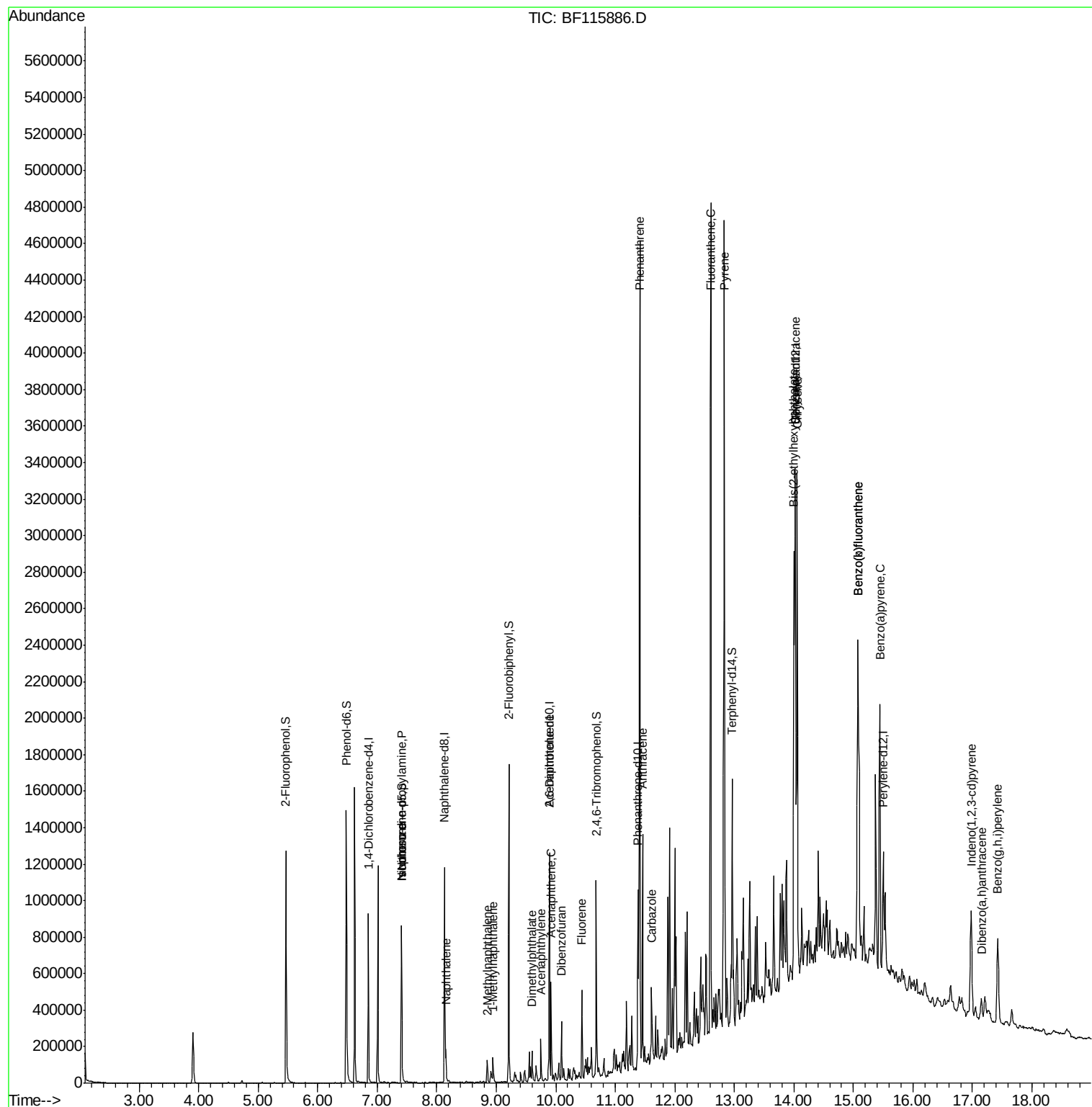
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	36100	6.151	ng	# 78
25) Isophorone	7.41	82	273521	17.186	ng	# 66
31) Naphthalene	8.16	128	74719	3.305	ng	98
37) 2-Methylnaphthalene	8.85	142	35250	2.367	ng	99
38) 1-Methylnaphthalene	8.95	142	39192	2.782	ng	100
49) Acenaphthylene	9.75	152	78442	3.910	ng	98
50) Dimethylphthalate	9.60	163	58493	3.671	ng	100
51) 2,6-Dinitrotoluene	9.89	165	33076	9.552	ng	# 28
52) Acenaphthene	9.92	154	116785	9.489	ng	97
55) Dibenzofuran	10.10	168	94244	5.266	ng	98
58) Fluorene	10.44	166	122775	8.916	ng	99
71) Phenanthrene	11.41	178	1938770	100.303	ng	98
72) Anthracene	11.46	178	440442	22.515	ng	99
73) Carbazole	11.61	167	140642	7.925	ng	99
75) Fluoranthene	12.60	202	2165098	106.994	ng	97
78) Pyrene	12.83	202	2254364	100.616	ng	98
81) Benzo(a)anthracene	14.02	228	1118749	58.888	ng	97
83) Chrysene	14.06	228	1054804	57.190	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	616633	50.067	ng	99
86) Indeno(1,2,3-cd)pyrene	16.98	276	391574	25.278	ng	97
88) Benzo(b)fluoranthene	15.07	252	1403464	82.429	ng	# 95
89) Benzo(k)fluoranthene	15.07	252	1403464	84.629	ng	99
90) Benzo(a)pyrene	15.44	252	759173	49.879	ng	99
91) Dibenzo(a,h)anthracene	17.15	278	84334	6.401	ng	93
92) Benzo(g,h,i)perylene	17.43	276	384724	29.734	ng	99

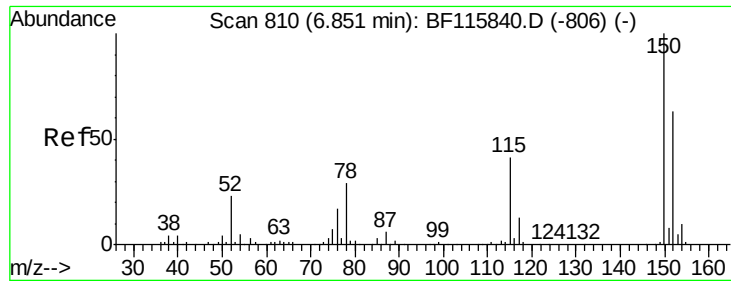
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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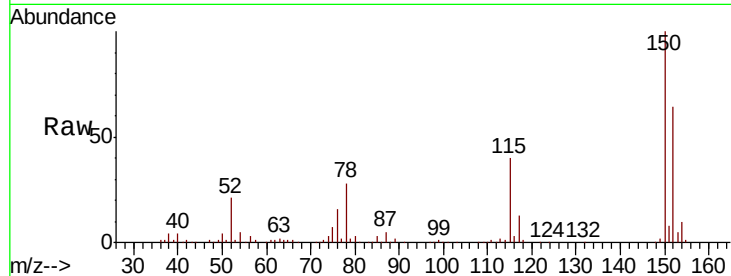


#1

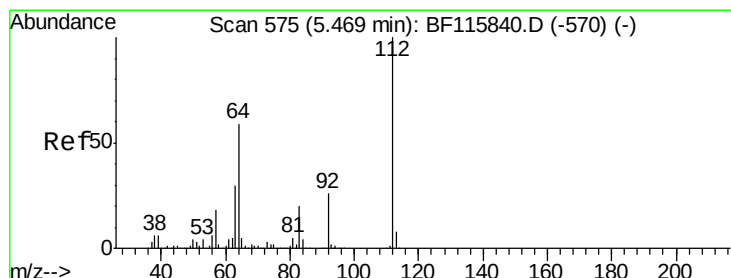
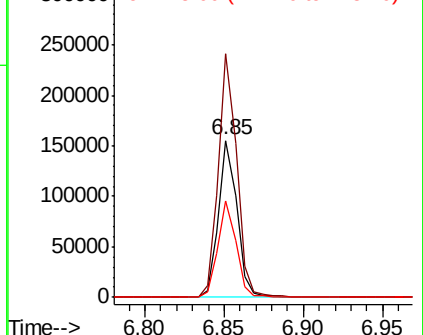
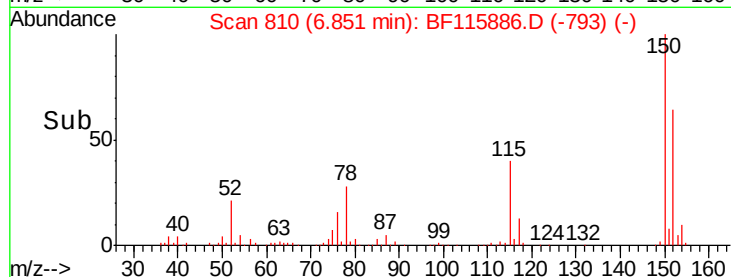
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:152 Resp: 125666
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.0
115 61.5 51.8 77.8



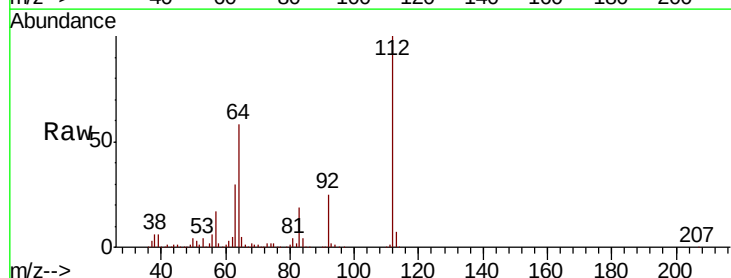
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



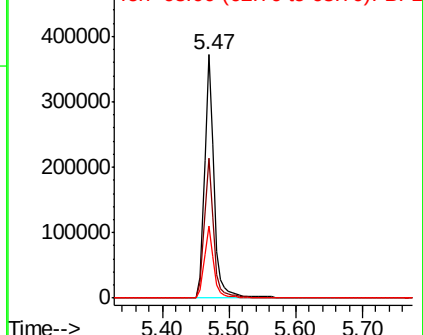
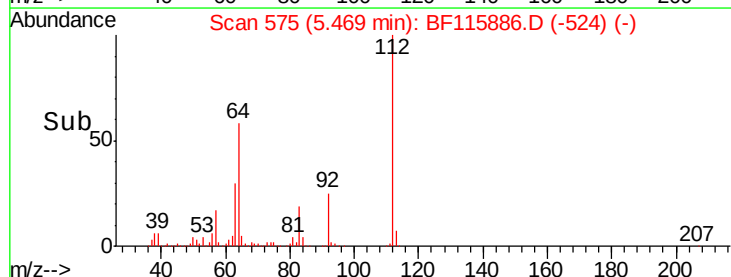
#5

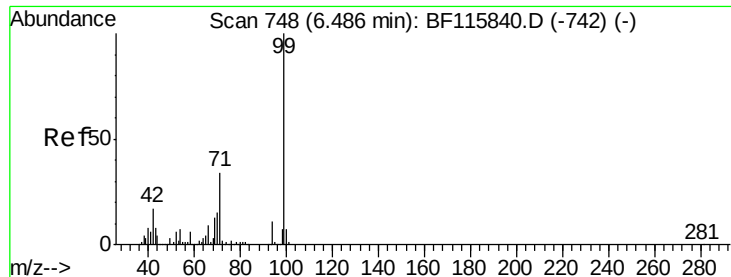
2-Fluorophenol
Concen: 48.324 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion:112 Resp: 362753
Ion Ratio Lower Upper
112 100
64 57.7 46.8 70.2
63 29.7 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: 51.447 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampled :

SP-3

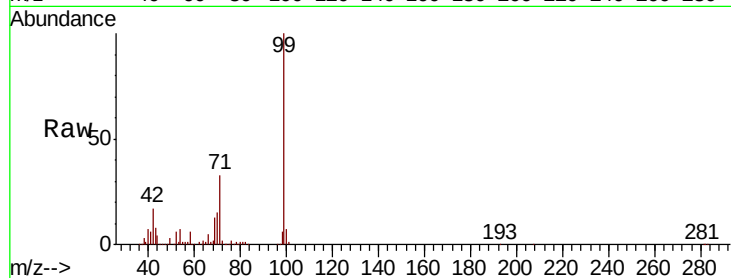
Tgt Ion: 99 Resp: 487251

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

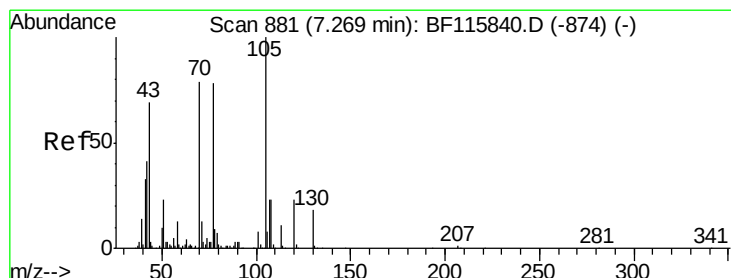
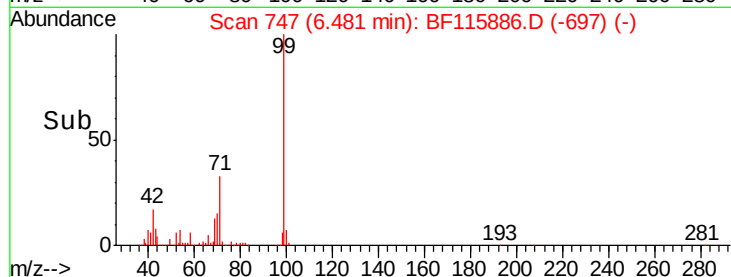
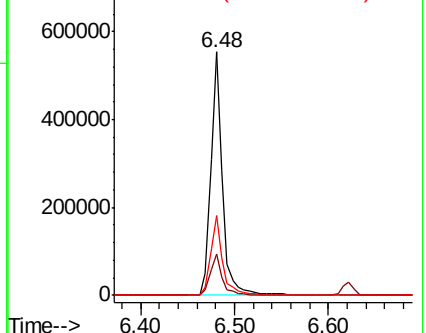
71 33.0 27.1 40.7



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: 6.151 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Tgt Ion: 70 Resp: 36100

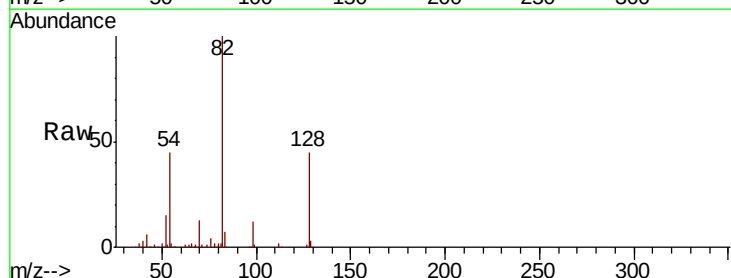
Ion Ratio Lower Upper

70 100

42 43.1 41.8 62.8

101 0.0 7.7 11.5#

130 2.7 17.8 26.6#

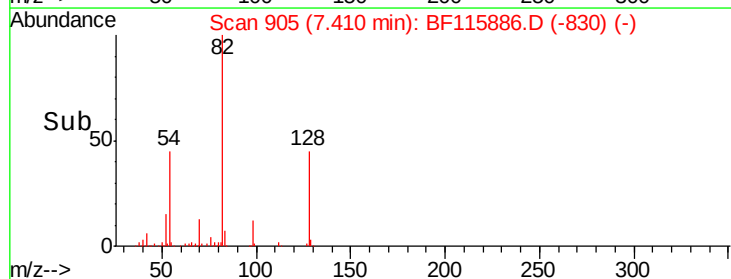
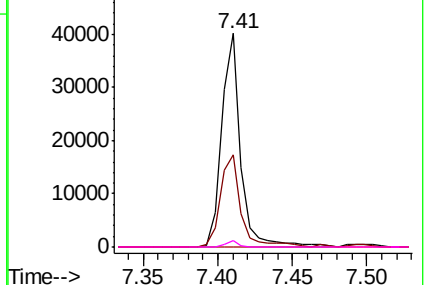


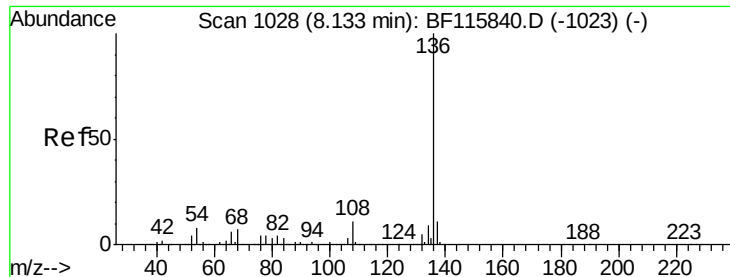
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

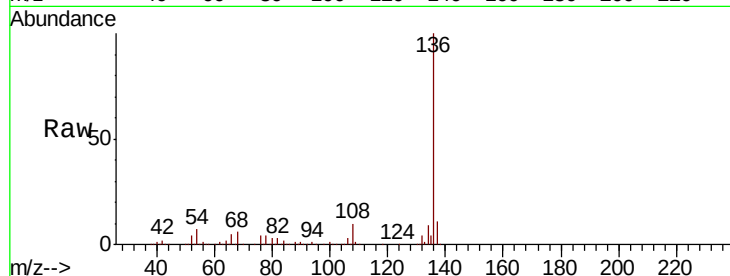




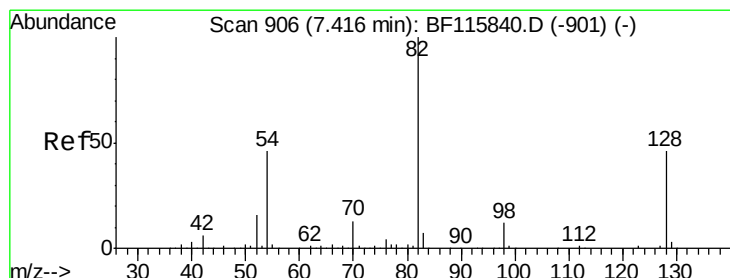
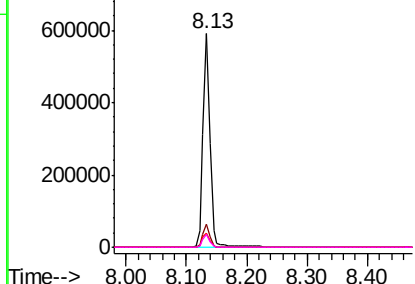
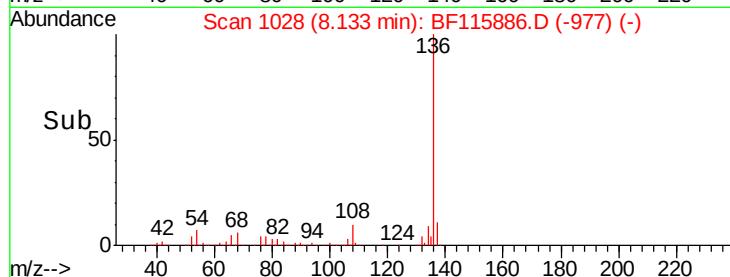
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:	136	Resp:	480432
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.6	6.1	9.1
68	5.9	5.4	8.2

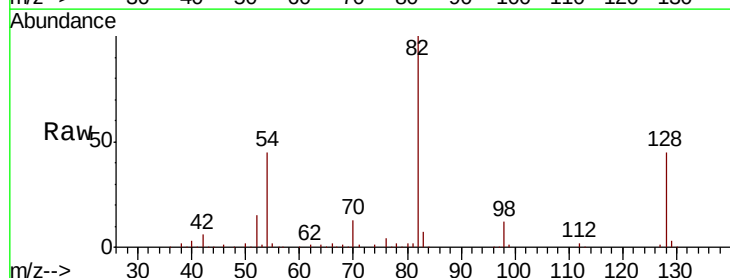


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

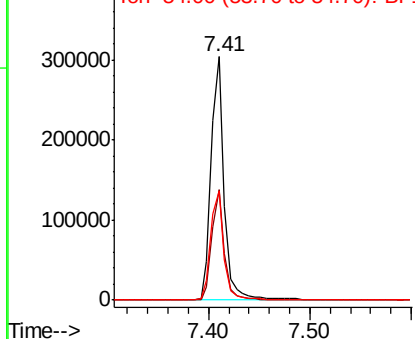
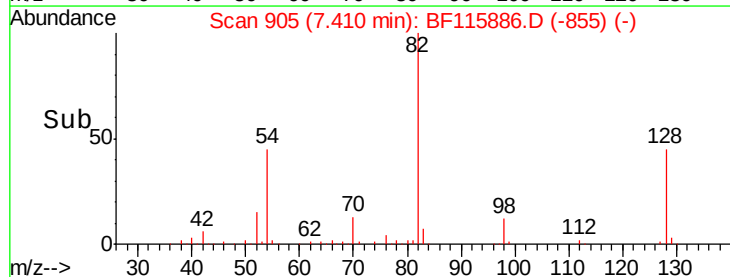


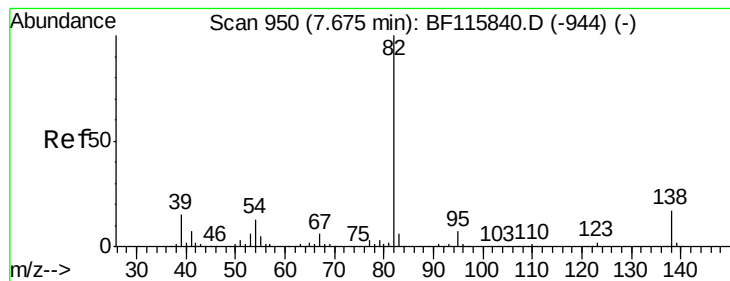
#23
Nitrobenzene-d5
Concen: 32.863 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion:	82	Resp:	273524
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.6	55.0
54	44.8	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: 17.186 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampleId :

SP-3

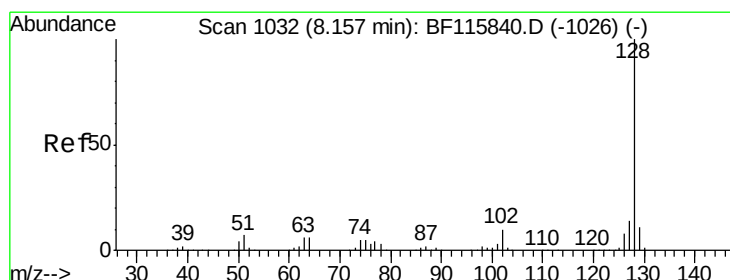
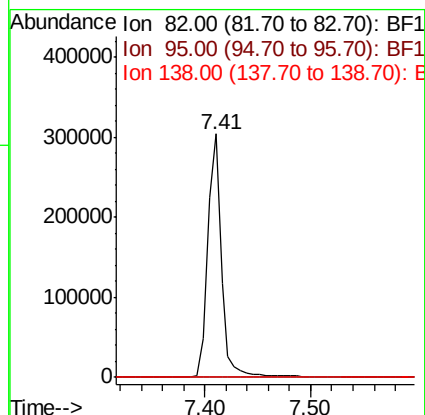
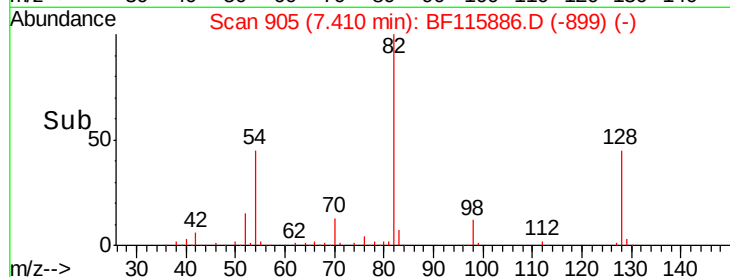
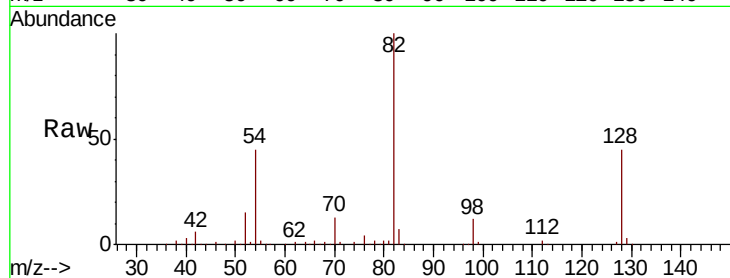
Tgt Ion: 82 Resp: 273521

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



#31

Naphthalene

Concen: 3.305 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

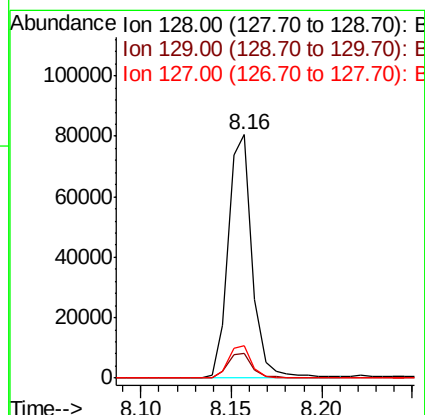
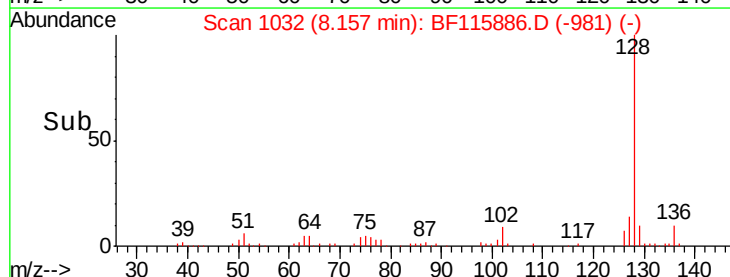
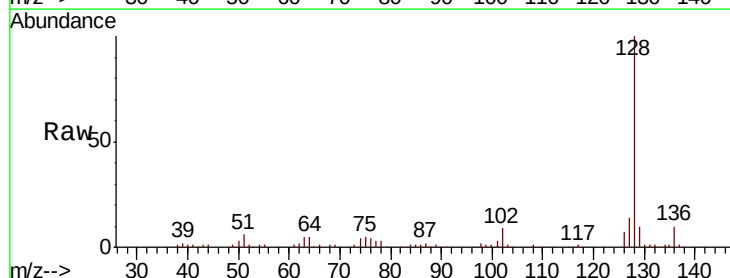
Tgt Ion: 128 Resp: 74719

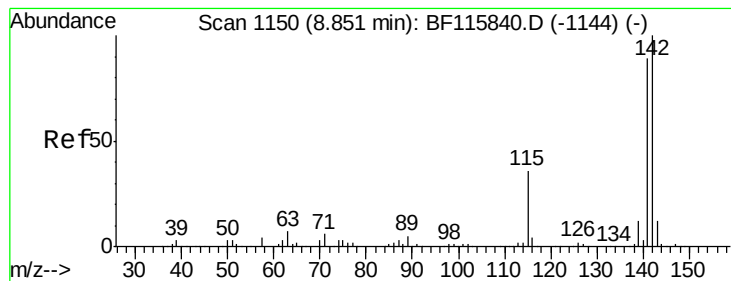
Ion Ratio Lower Upper

128 100

129 10.1 9.2 13.8

127 13.5 11.0 16.4





#37

2-Methylnaphthalene

Concen: 2.367 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampled :

SP-3

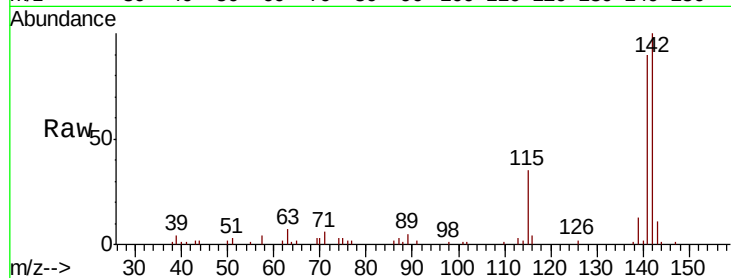
Tgt Ion:142 Resp: 35250

Ion Ratio Lower Upper

142 100

141 89.5 71.4 107.2

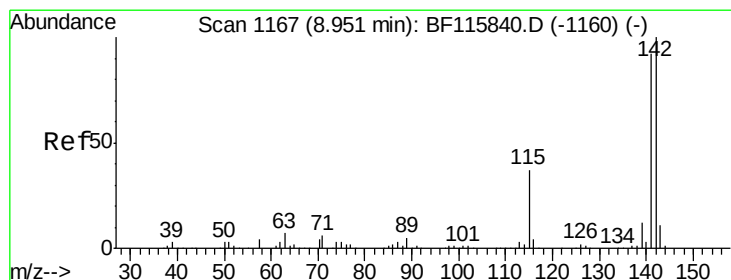
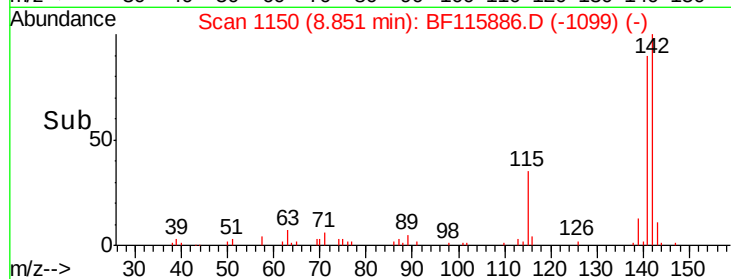
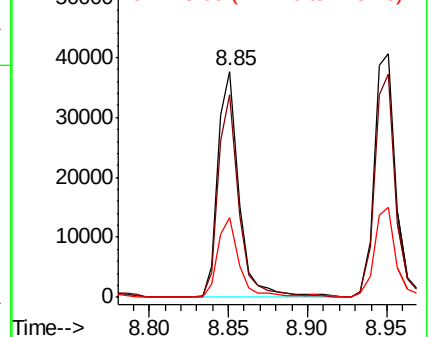
115 35.2 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 2.782 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

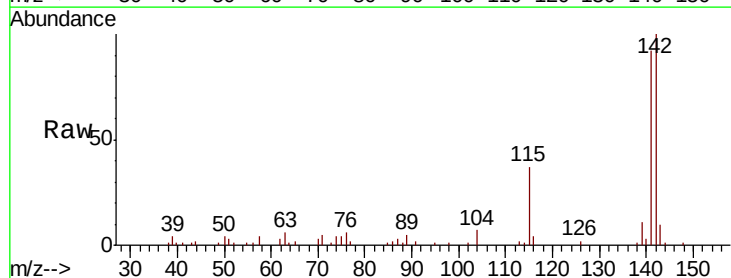
Tgt Ion:142 Resp: 39192

Ion Ratio Lower Upper

142 100

141 91.8 73.8 110.6

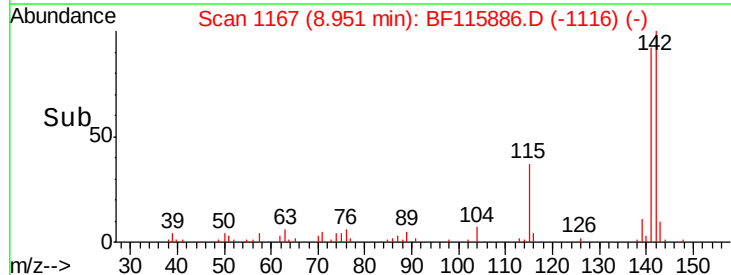
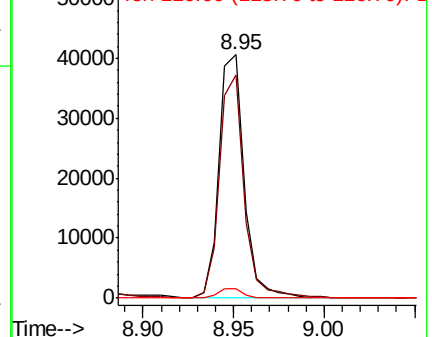
116 4.1 3.1 4.7

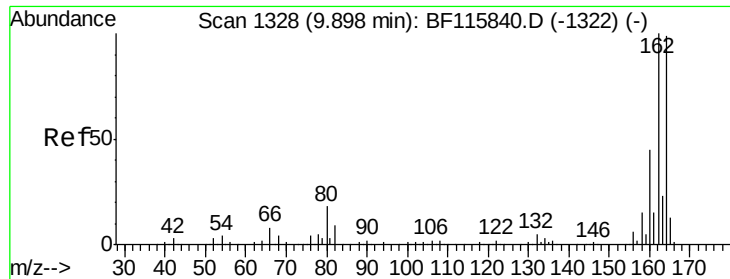


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

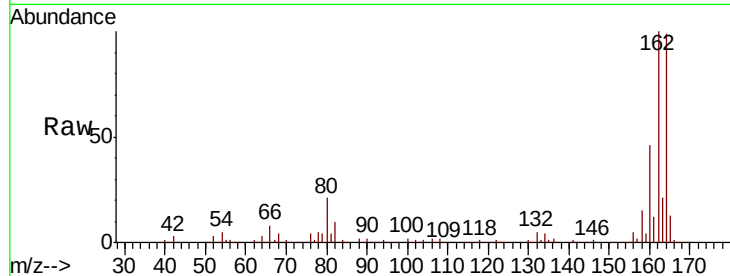




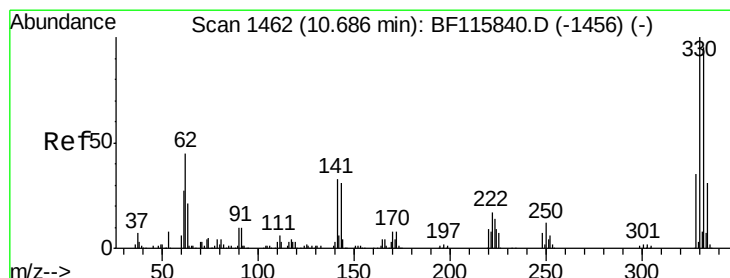
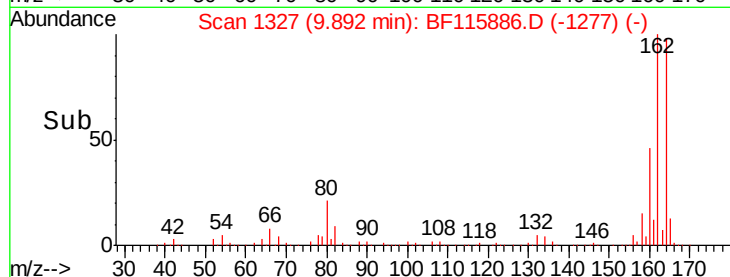
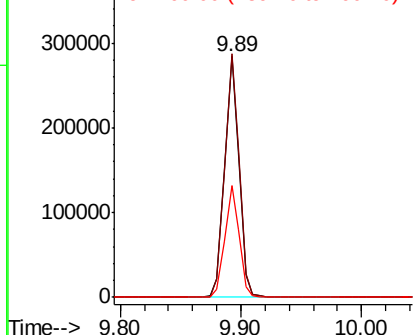
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:164 Resp: 234024
Ion Ratio Lower Upper
164 100
162 101.2 80.8 121.2
160 46.7 36.2 54.4

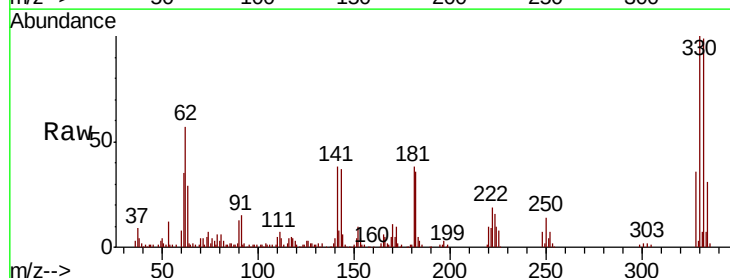


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

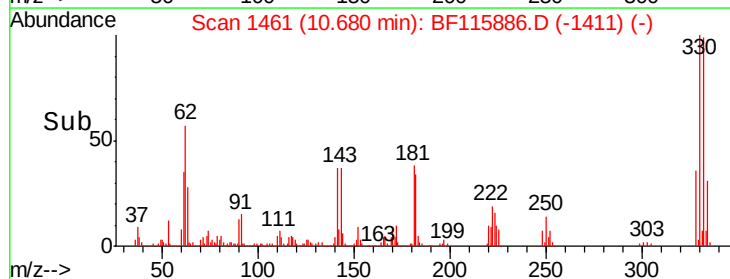
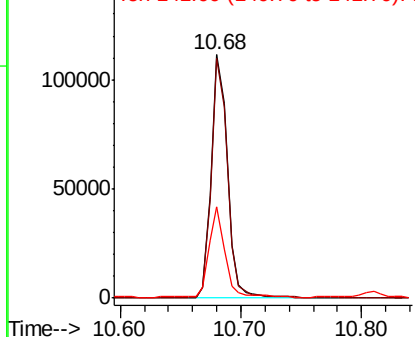


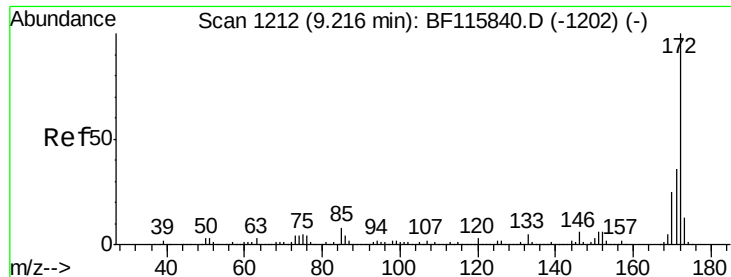
#42
2,4,6-Tribromophenol
Concen: 45.815 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion:330 Resp: 103950
Ion Ratio Lower Upper
330 100
332 97.5 77.7 116.5
141 36.7 28.1 42.1



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

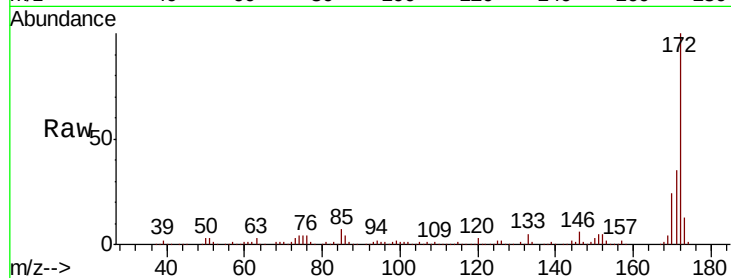




#45
2-Fluorobiphenyl
Concen: 37.707 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.1	43.7
170	24.0	20.1	30.1

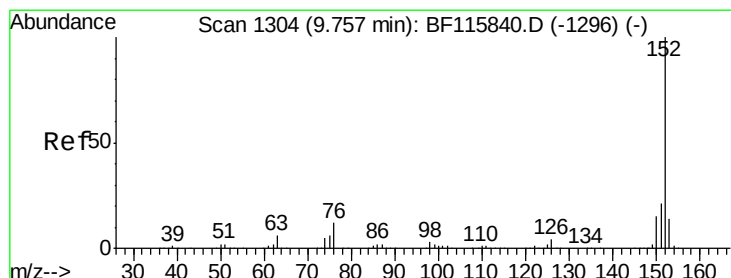
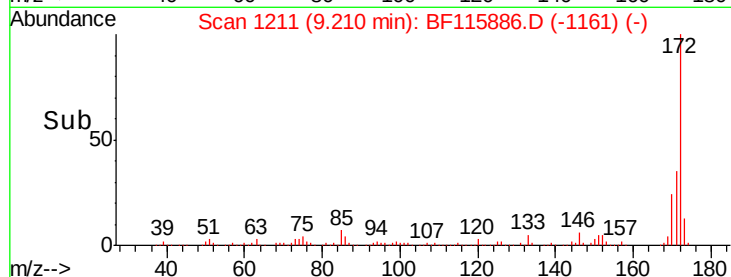
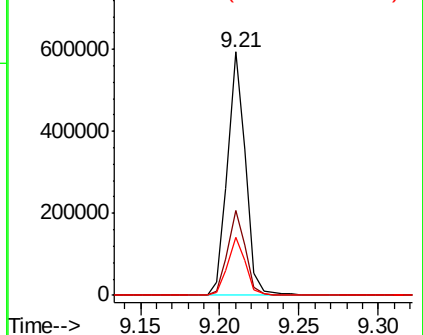


Abundance

Ion 172.00 (171.70 to 172.70): E

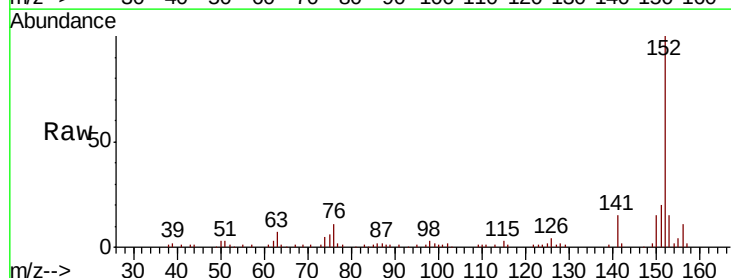
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 3.910 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	14.6	11.6	17.4

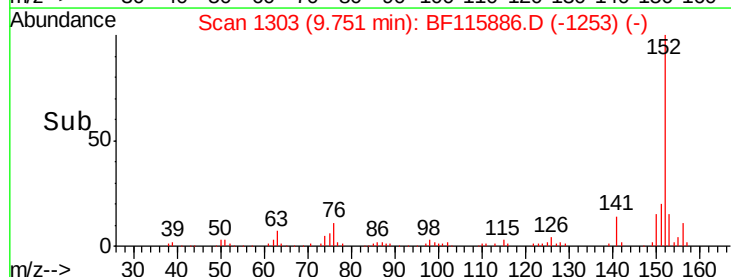
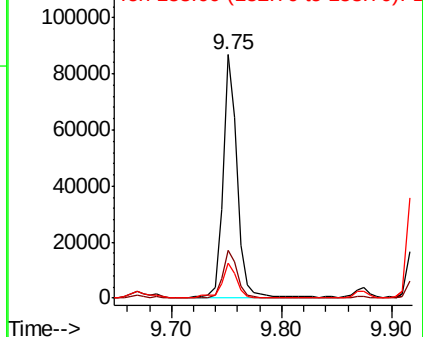


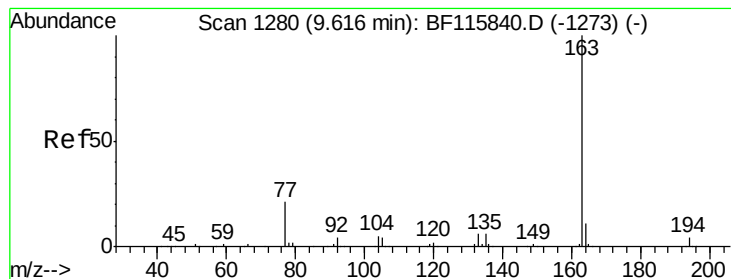
Abundance

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: 3.671 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampleId :

SP-3

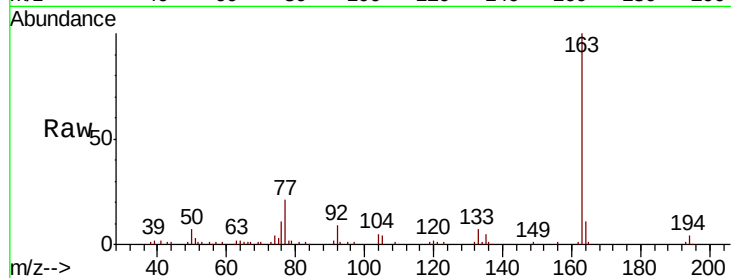
Tgt Ion:163 Resp: 58493

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

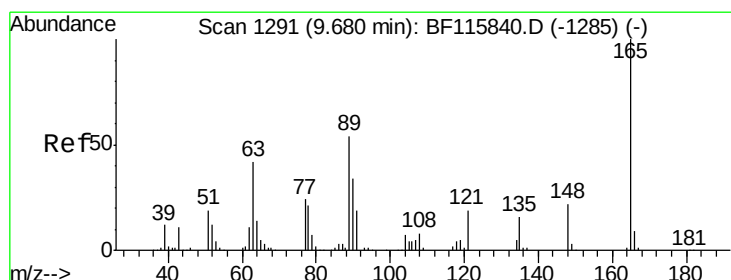
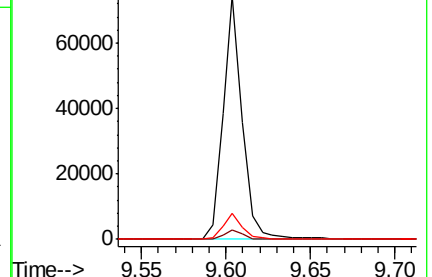
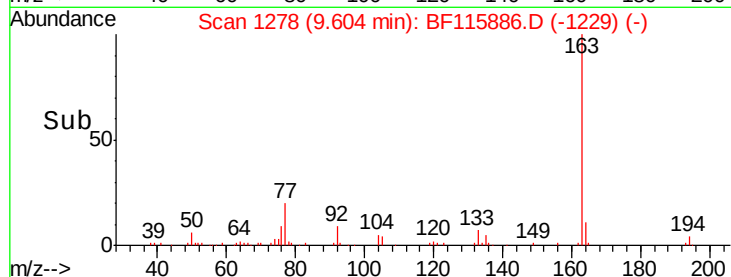
164 10.5 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 9.552 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

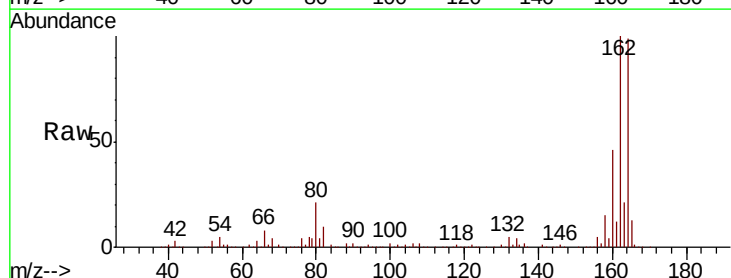
Tgt Ion:165 Resp: 33076

Ion Ratio Lower Upper

165 100

63 1.6 39.4 59.2#

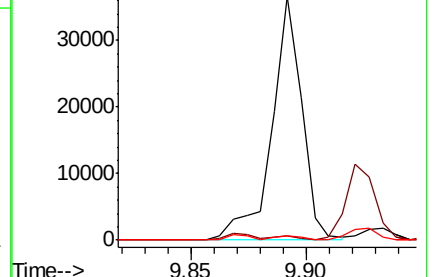
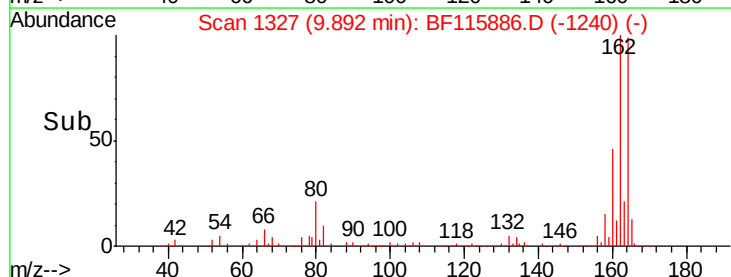
89 1.5 43.0 64.6#

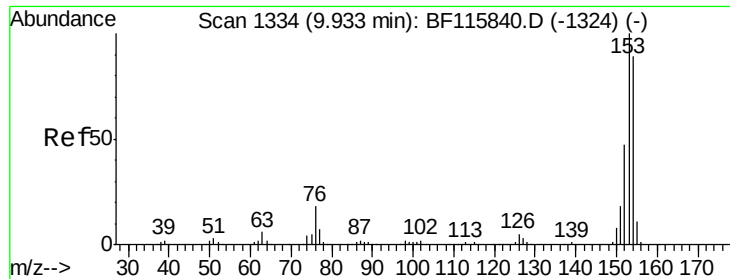


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 9.489 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampleId :

SP-3

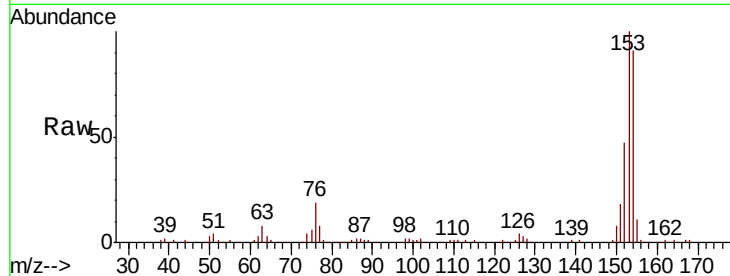
Tgt Ion:154 Resp: 116785

Ion Ratio Lower Upper

154 100

153 109.7 90.1 135.1

152 51.6 42.6 63.8

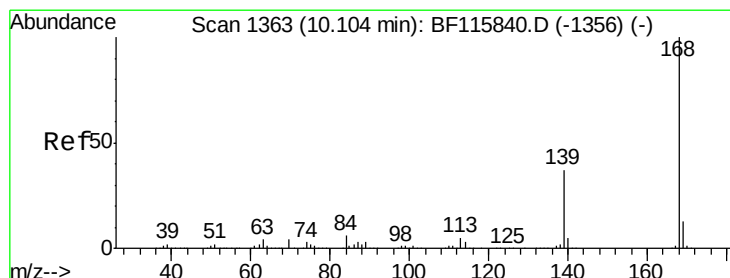
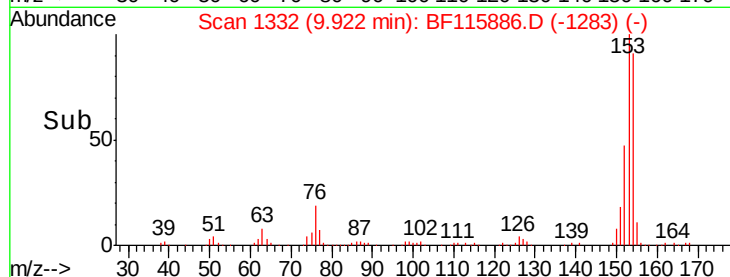
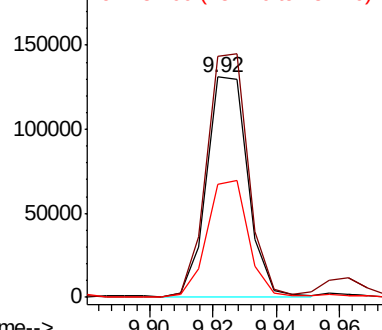


Abundance

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

Dibenzofuran

Concen: 5.266 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

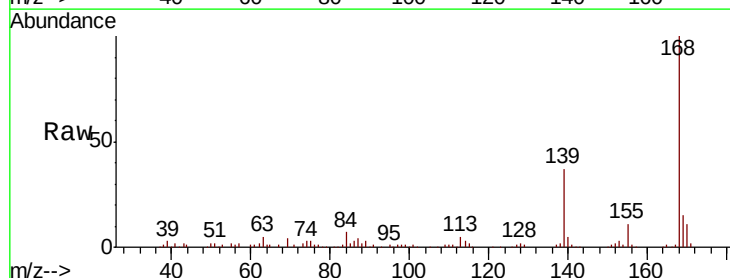
Tgt Ion:168 Resp: 94244

Ion Ratio Lower Upper

168 100

139 37.4 30.2 45.2

169 15.4 10.8 16.2

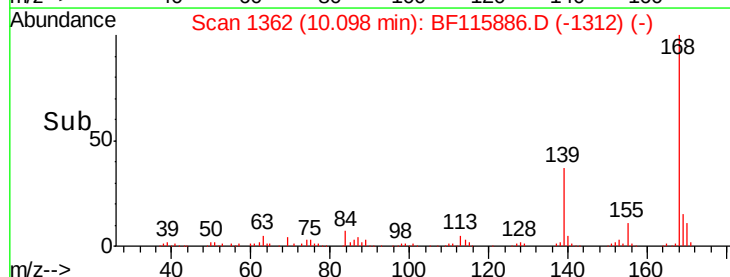
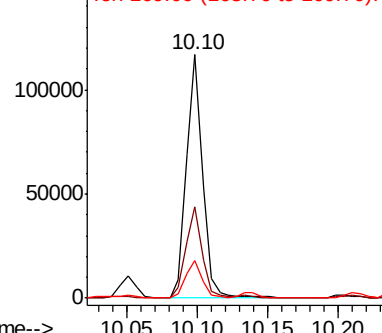


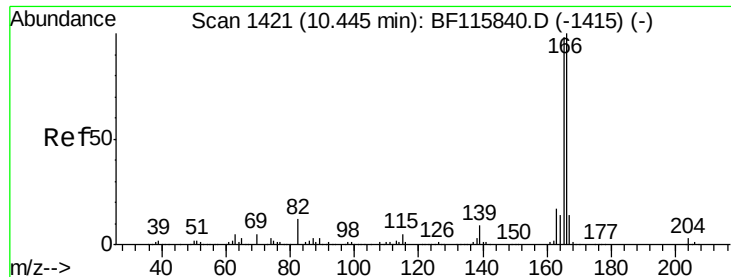
Abundance

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

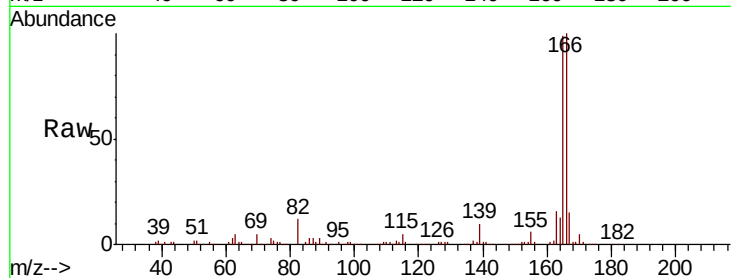




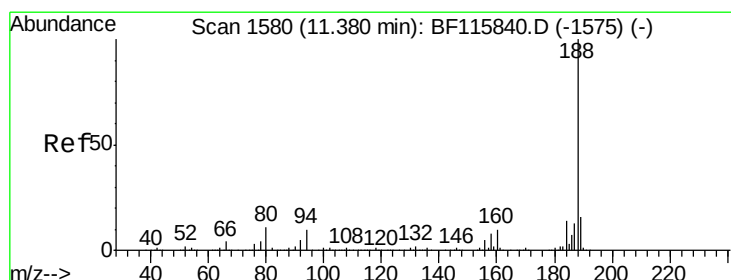
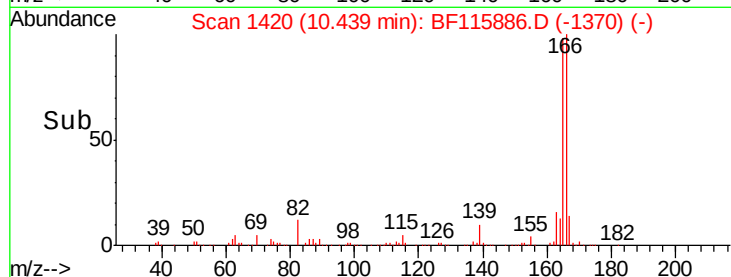
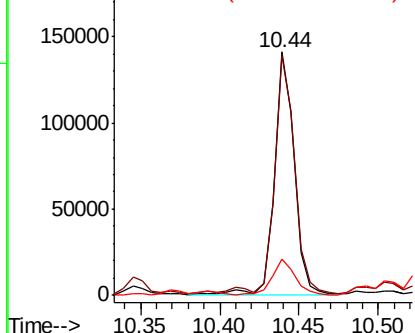
#58
 Fluorene
 Concen: 8.916 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115886.D
 Acq: 1 Aug 2019 00:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	118.0
167	14.9	10.9	16.3

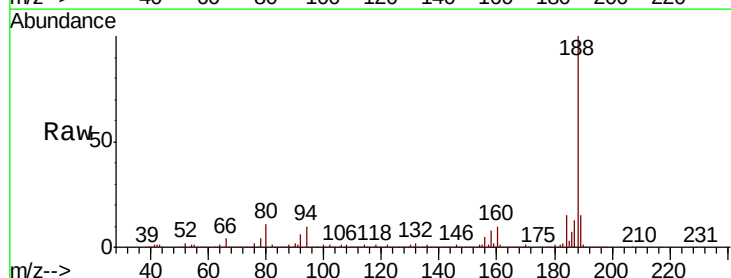


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

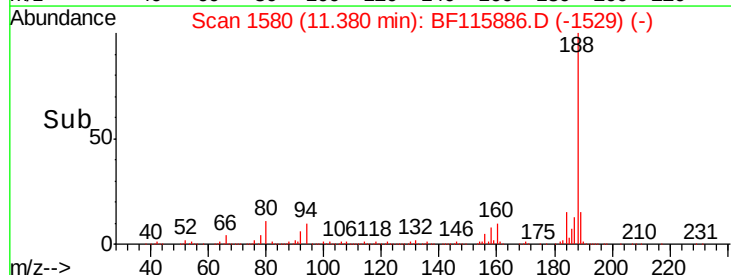
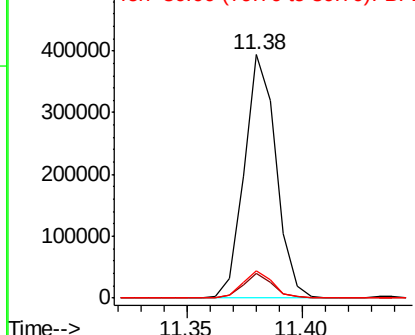


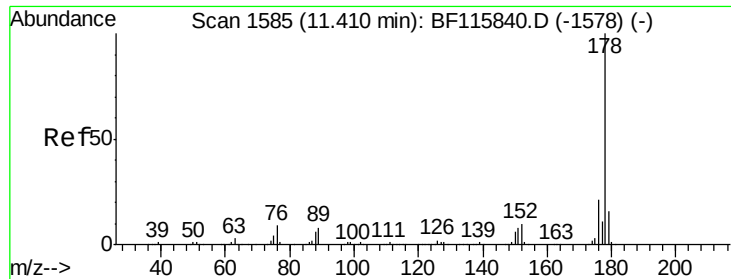
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115886.D
 Acq: 1 Aug 2019 00:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	11.1	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

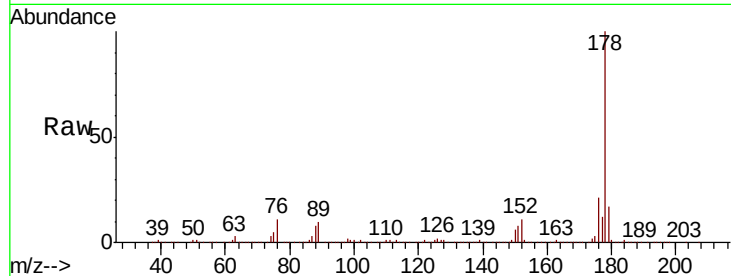




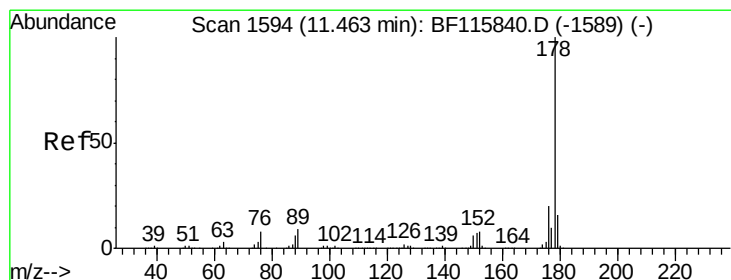
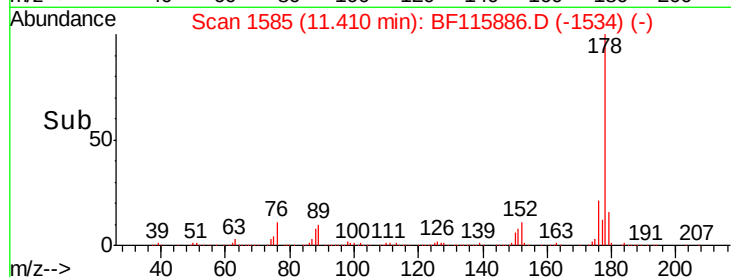
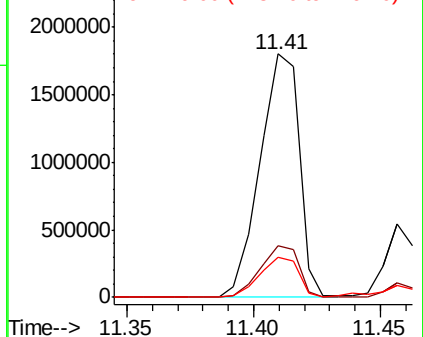
#71
Phenanthrene
Concen: 100.303 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Instrument :
BNA_F
ClientSampled :
SP-3

Tgt Ion:178 Resp: 1938770
Ion Ratio Lower Upper
178 100
176 21.2 16.5 24.7
179 16.5 12.6 18.8

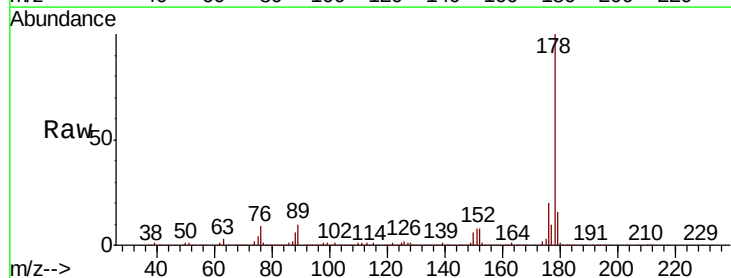


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

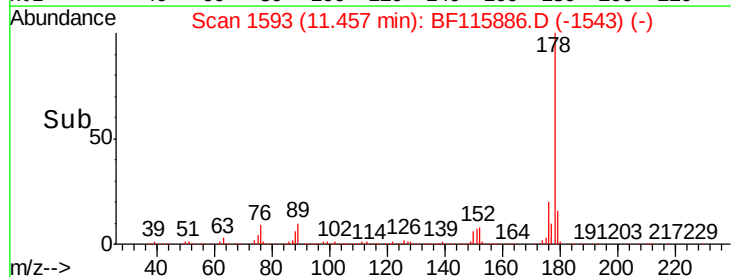
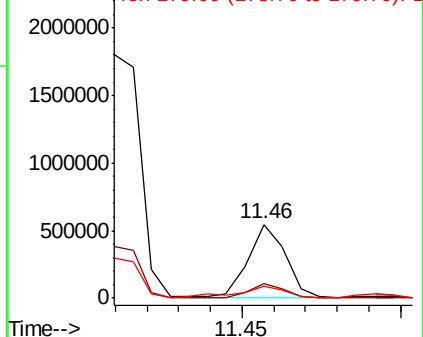


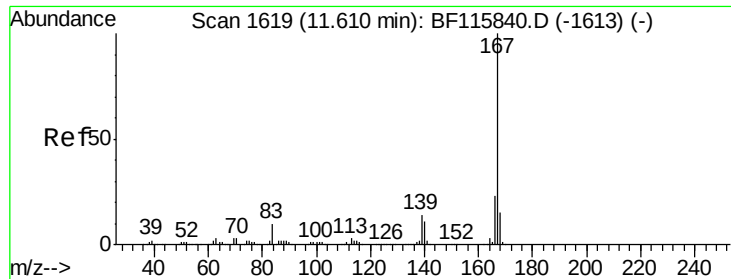
#72
Anthracene
Concen: 22.515 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion:178 Resp: 440442
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 16.2 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

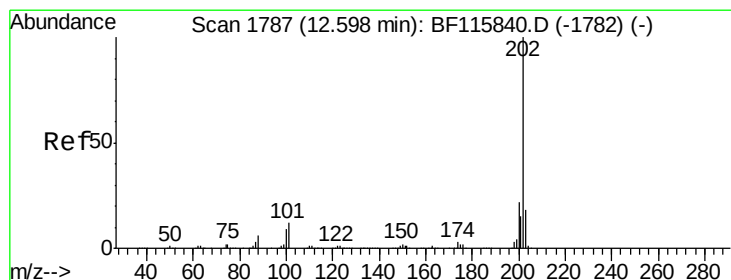
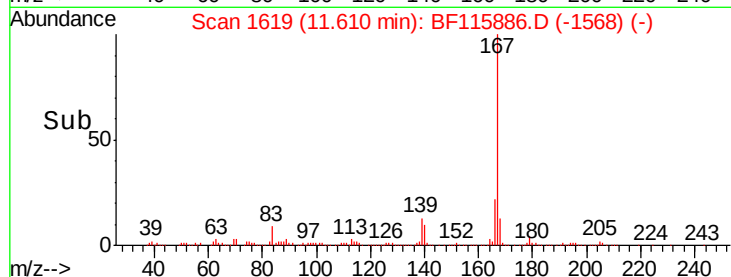
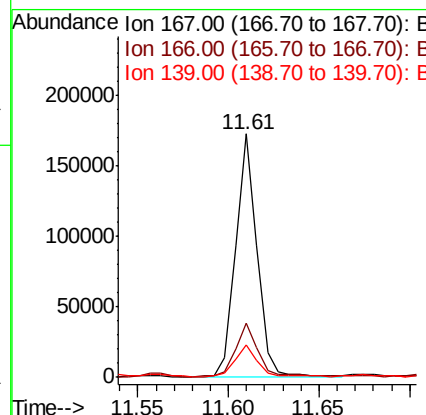
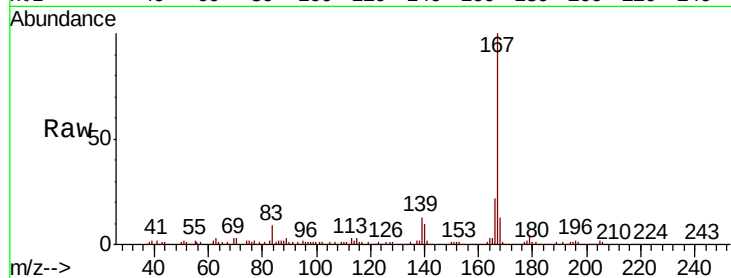




#73
 Carbazole
 Concen: 7.925 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115886.D
 Acq: 1 Aug 2019 00:19

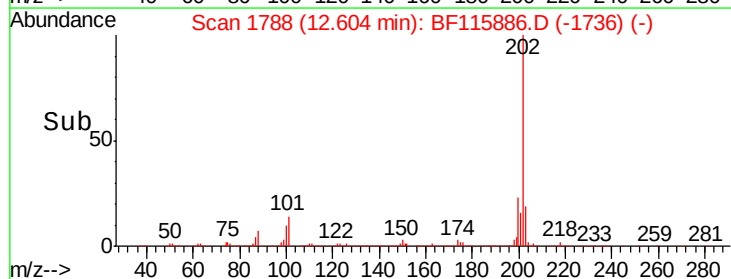
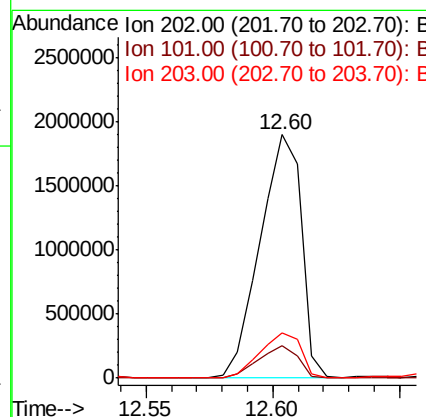
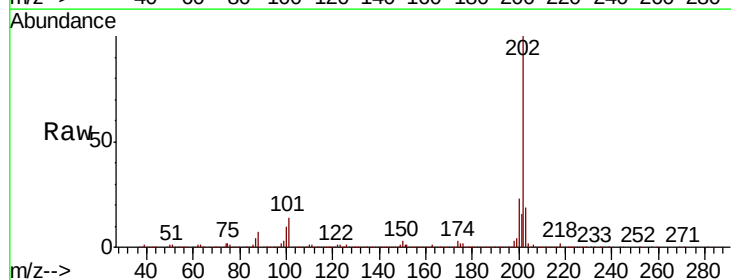
Instrument :
 BNA_F
 ClientSampleId :
 SP-3

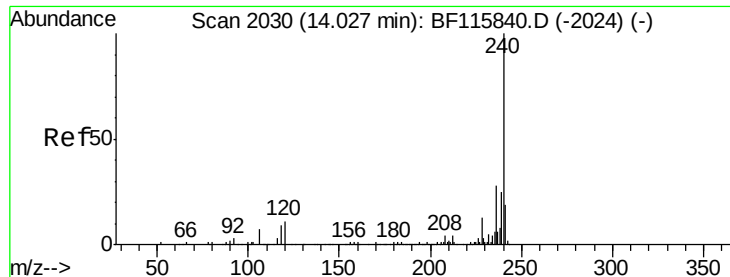
Tgt Ion:167 Resp: 140642
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.0 27.0
 139 13.5 11.4 17.2



#75
 Fluoranthene
 Concen: 106.994 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF115886.D
 Acq: 1 Aug 2019 00:19

Tgt Ion:202 Resp: 2165098
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 31.5
 203 18.7 0.0 37.9

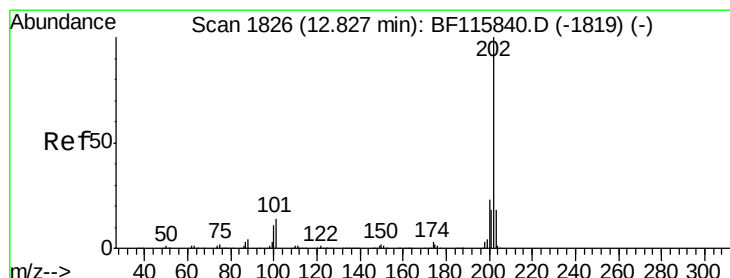
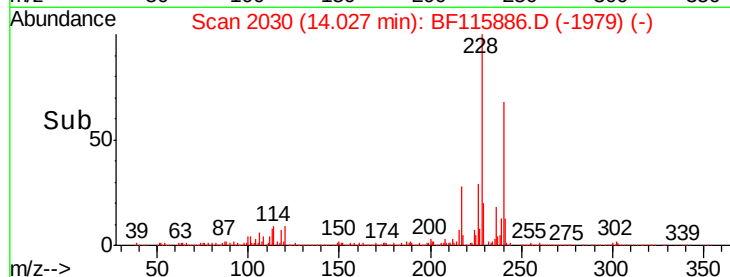
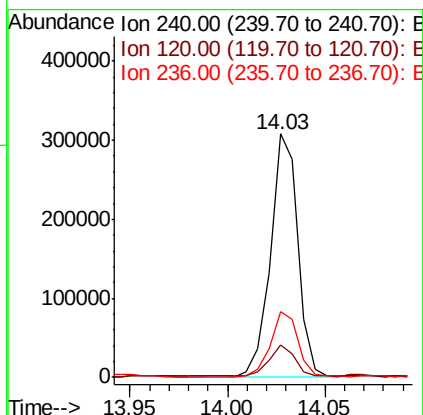
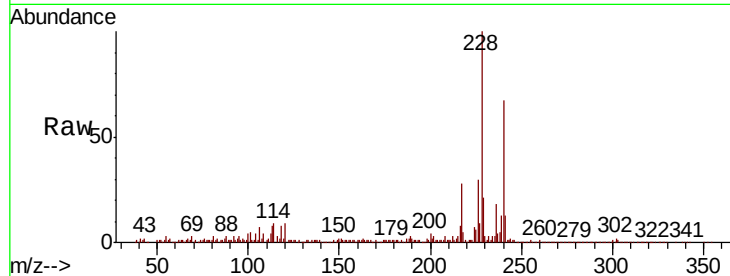




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

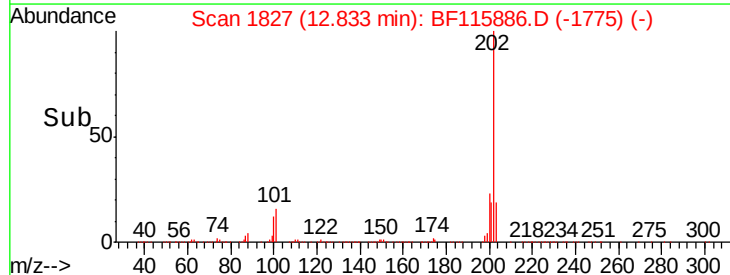
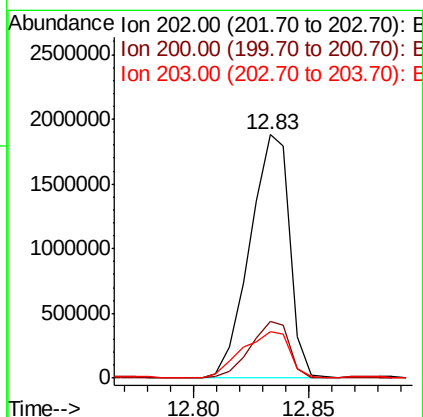
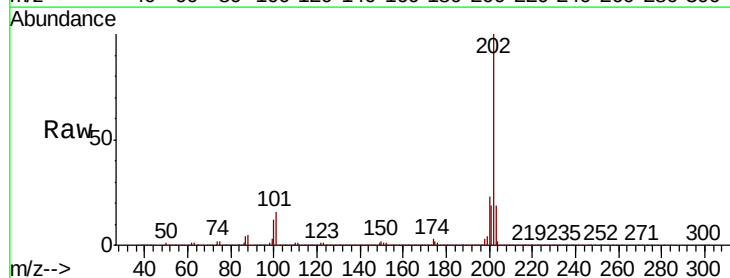
Instrument :
BNA_F
ClientSampleId :
SP-3

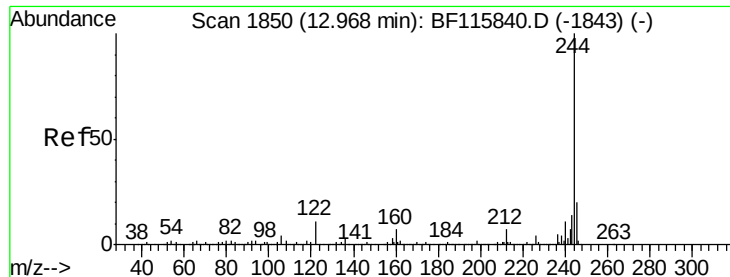
Tgt Ion:240 Resp: 297230
Ion Ratio Lower Upper
240 100
120 13.2 8.5 12.7#
236 26.8 22.2 33.2



#78
Pyrene
Concen: 100.616 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion:202 Resp: 2254364
Ion Ratio Lower Upper
202 100
200 23.2 18.2 27.2
203 18.9 14.3 21.5





#79

Terphenyl-d14

Concen: 29.510 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampleId :

SP-3

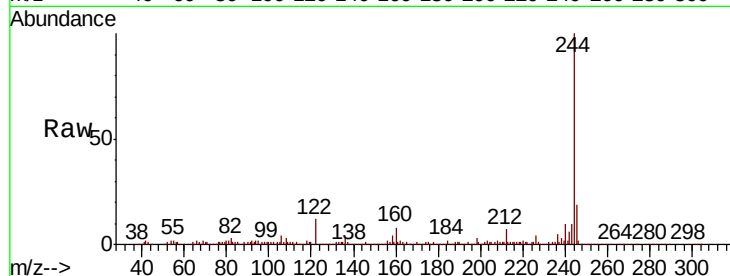
Tgt Ion:244 Resp: 416259

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

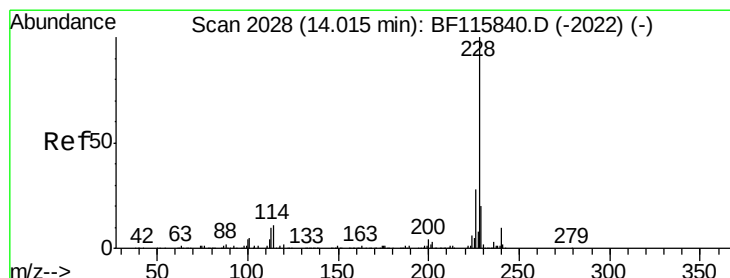
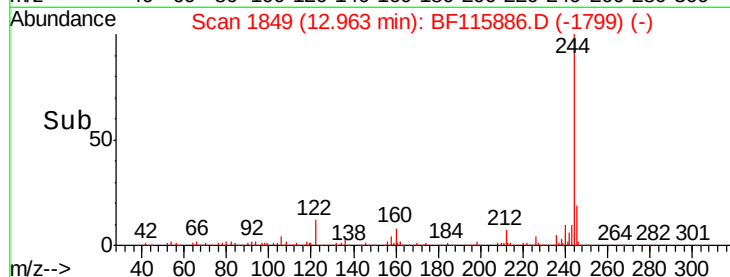
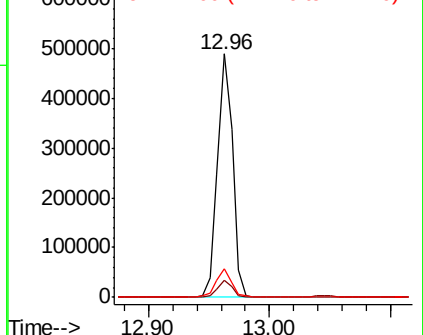
122 11.8 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 58.888 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

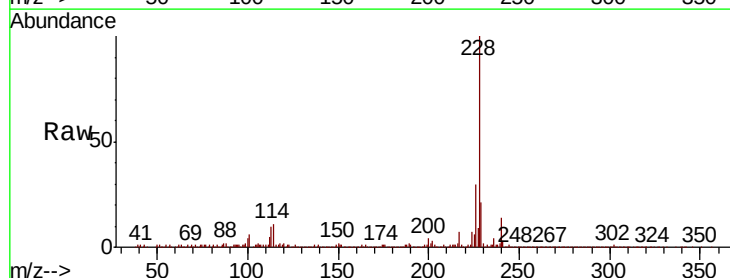
Tgt Ion:228 Resp: 1118749

Ion Ratio Lower Upper

228 100

226 30.3 22.5 33.7

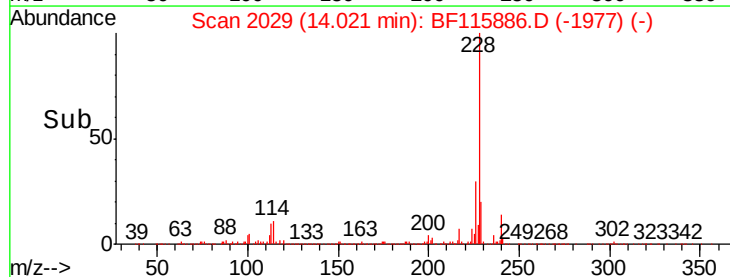
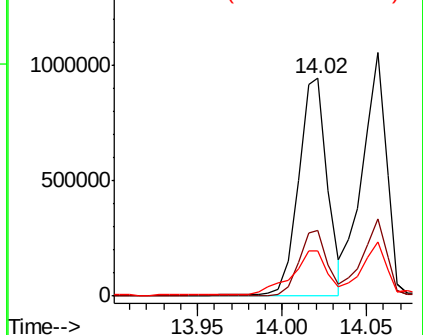
229 20.8 16.1 24.1

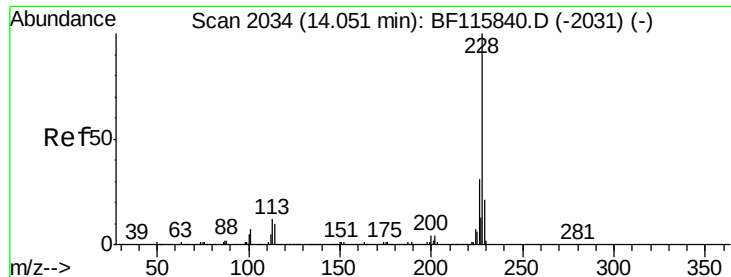


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 57.190 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampleId :

SP-3

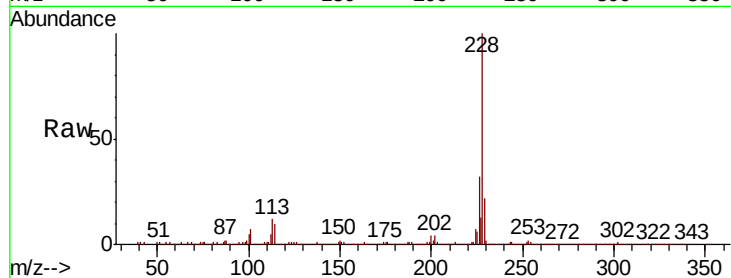
Tgt Ion:228 Resp: 1054804

Ion Ratio Lower Upper

228 100

226 31.8 24.8 37.2

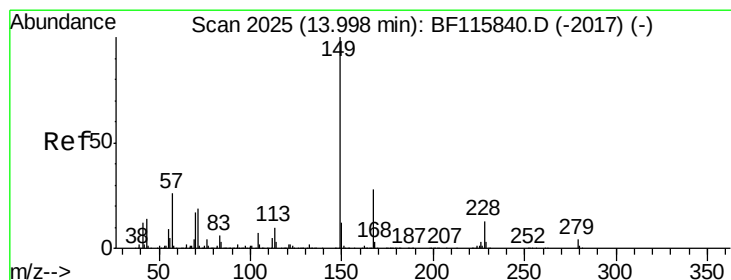
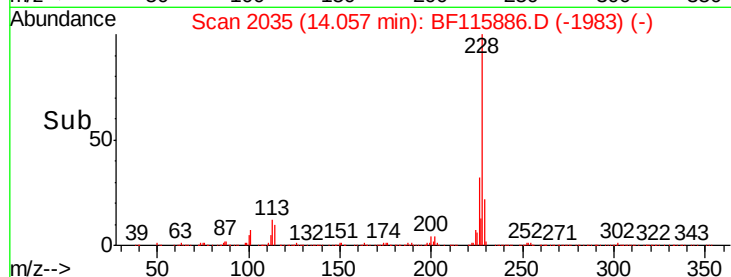
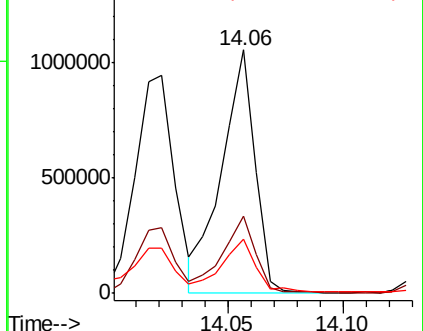
229 22.4 16.4 24.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.067 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

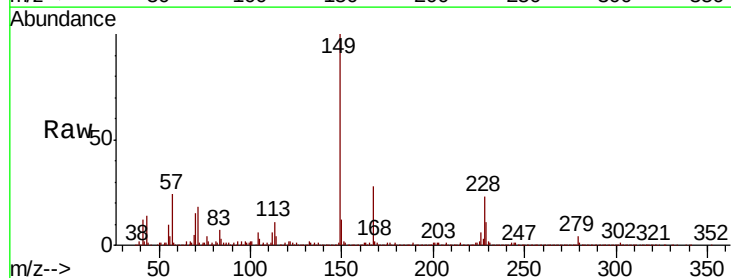
Tgt Ion:149 Resp: 616633

Ion Ratio Lower Upper

149 100

167 27.7 22.4 33.6

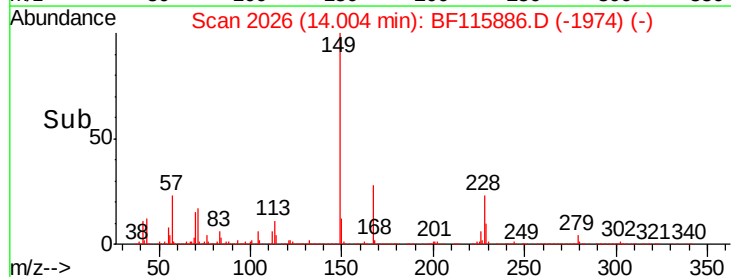
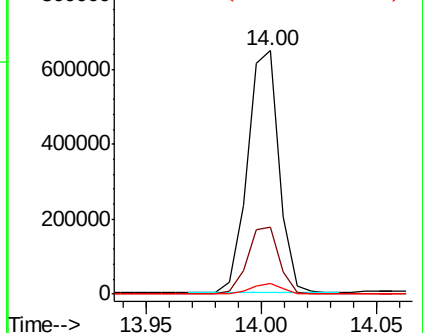
279 4.5 3.3 4.9

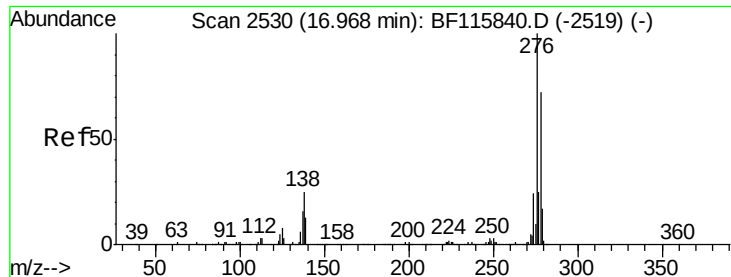


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

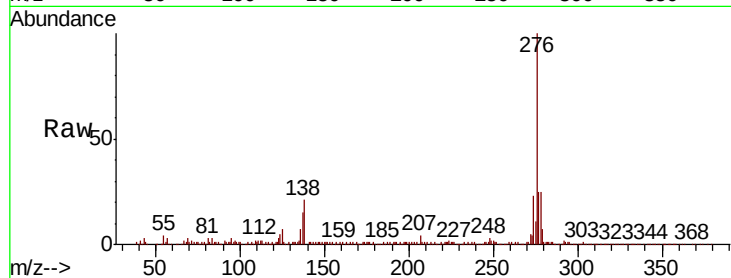




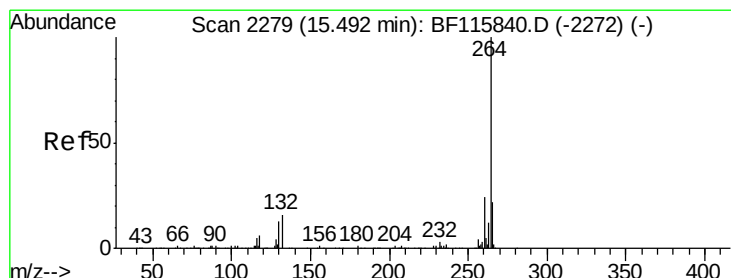
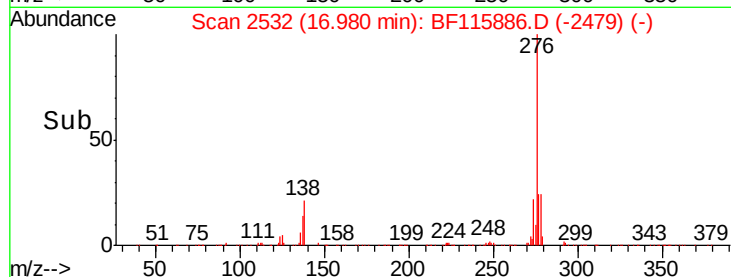
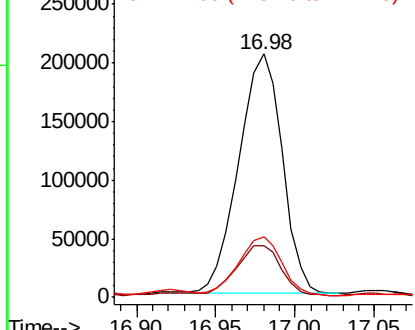
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 25.278 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BF115886.D
 Acq: 1 Aug 2019 00:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.6	29.4
277	24.4	20.1	30.1

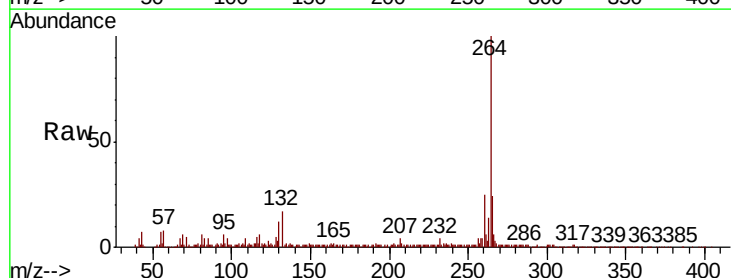


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

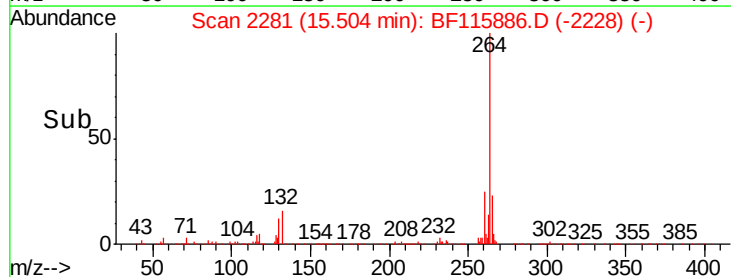
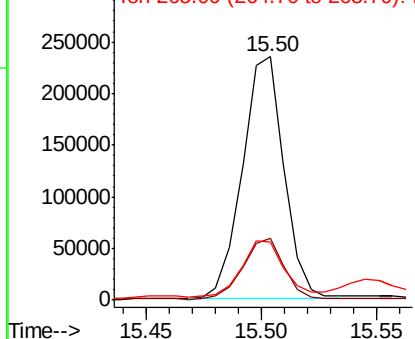


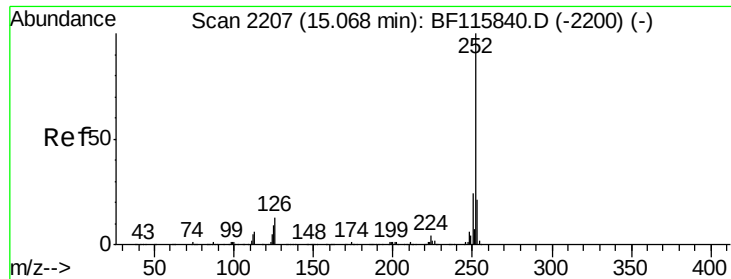
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BF115886.D
 Acq: 1 Aug 2019 00:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	23.9	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

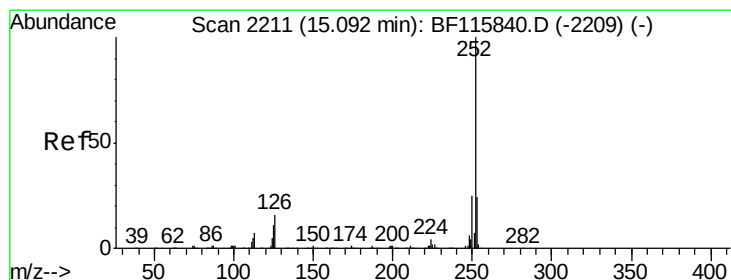
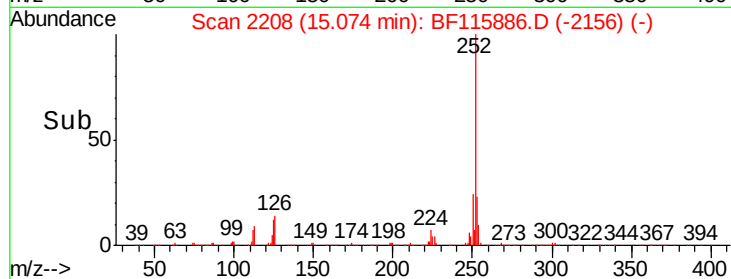
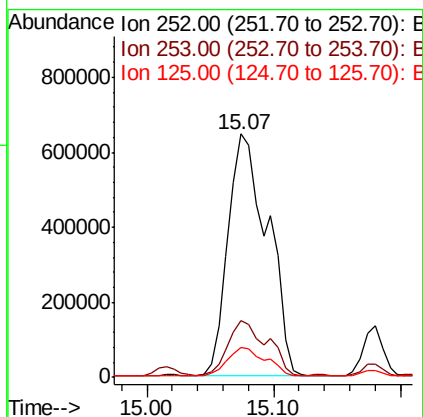
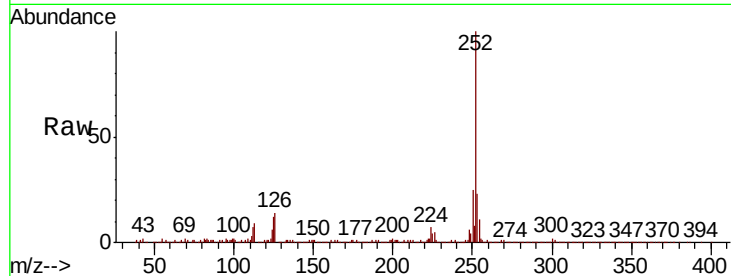




#88
Benzo(b)fluoranthene
Concen: 82.429 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

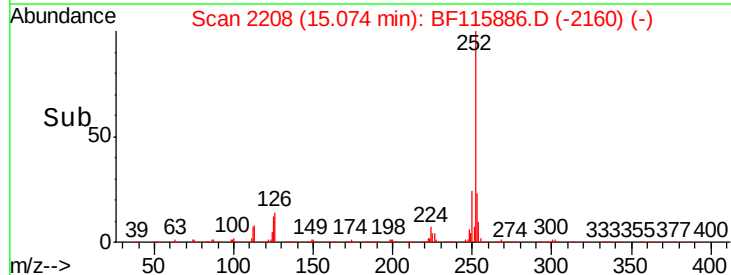
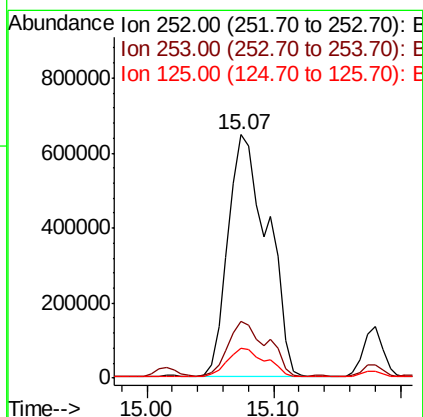
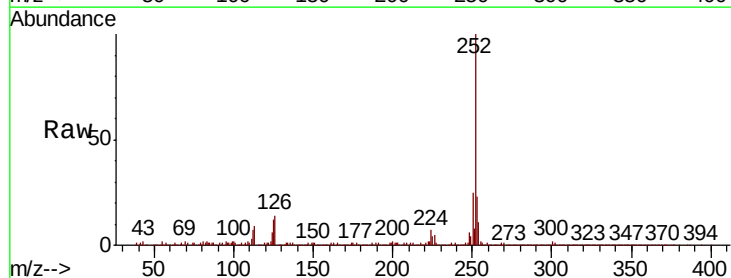
Instrument :
BNA_F
ClientSampleId :
SP-3

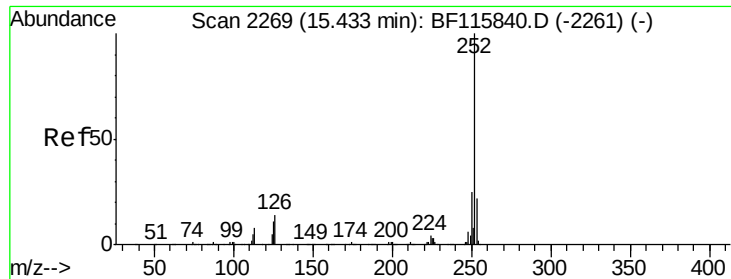
Tgt Ion:252 Resp: 1403464
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.2 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 84.629 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion:252 Resp: 1403464
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 12.2 8.9 13.3

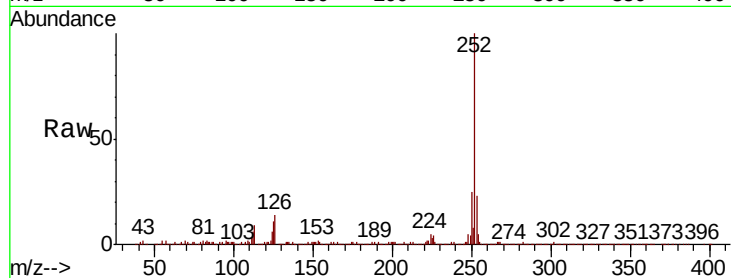




#90
Benzo(a)pyrene
Concen: 49.879 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.4	8.8	13.2

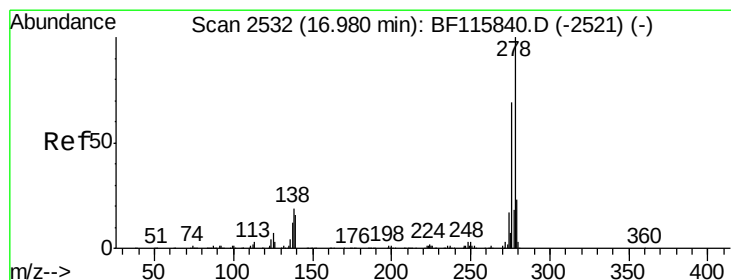
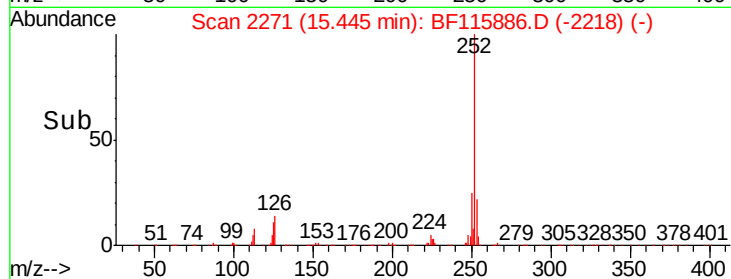
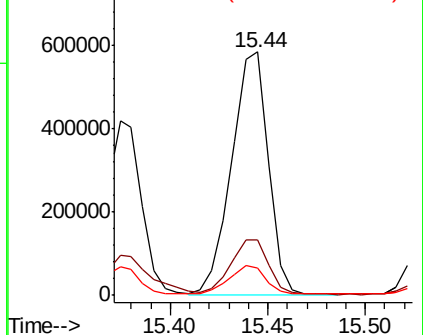


Abundance

Ion 252.00 (251.70 to 252.70): E

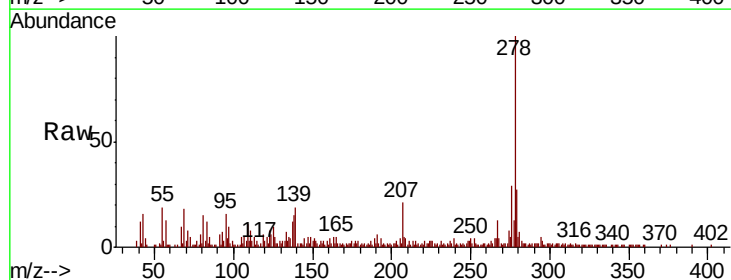
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 6.401 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.17 min
Lab File: BF115886.D
Acq: 1 Aug 2019 00:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	12.6	19.0
279	27.2	18.8	28.2

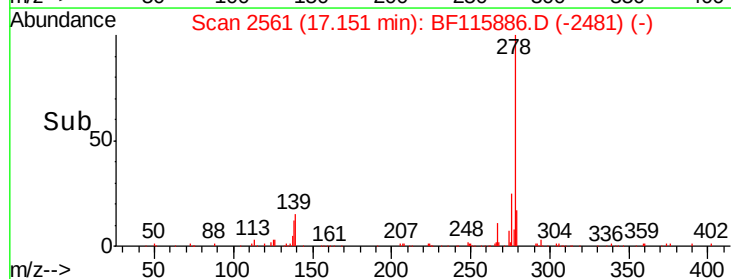
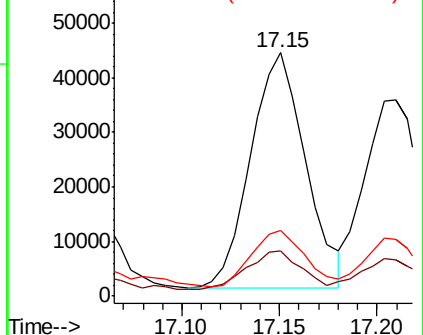


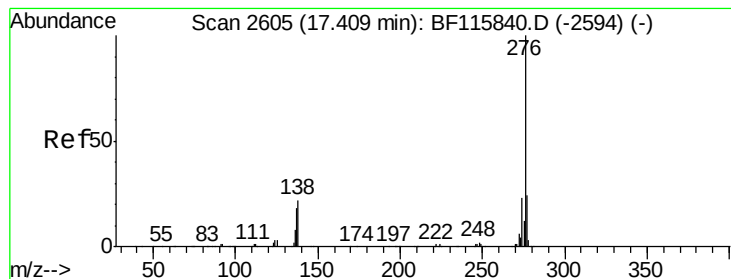
Abundance

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: 29.734 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF115886.D

Acq: 1 Aug 2019 00:19

Instrument :

BNA_F

ClientSampleId :

SP-3

Tgt Ion: 276 Resp: 384724

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 22.4 17.8 26.8

