

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117260.D
 Acq On : 26 Sep 2019 1:45
 Operator : JU
 Sample : K4668-12DL 4X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 04:13:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	34221	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	134212	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	58309	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	86081	20.00	ng	0.00
76) Chrysene-d12	13.97	240	67479	20.00	ng	0.00
87) Perylene-d12	15.43	264	57495	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	45234	20.64	ng	0.00
7) Phenol-d6	6.46	99	59910	21.15	ng	0.00
23) Nitrobenzene-d5	7.38	82	37429	14.65	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	9336	19.16	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	66727	17.89	ng	0.00
79) Terphenyl-d14	12.92	244	54615	15.13	ng	0.00

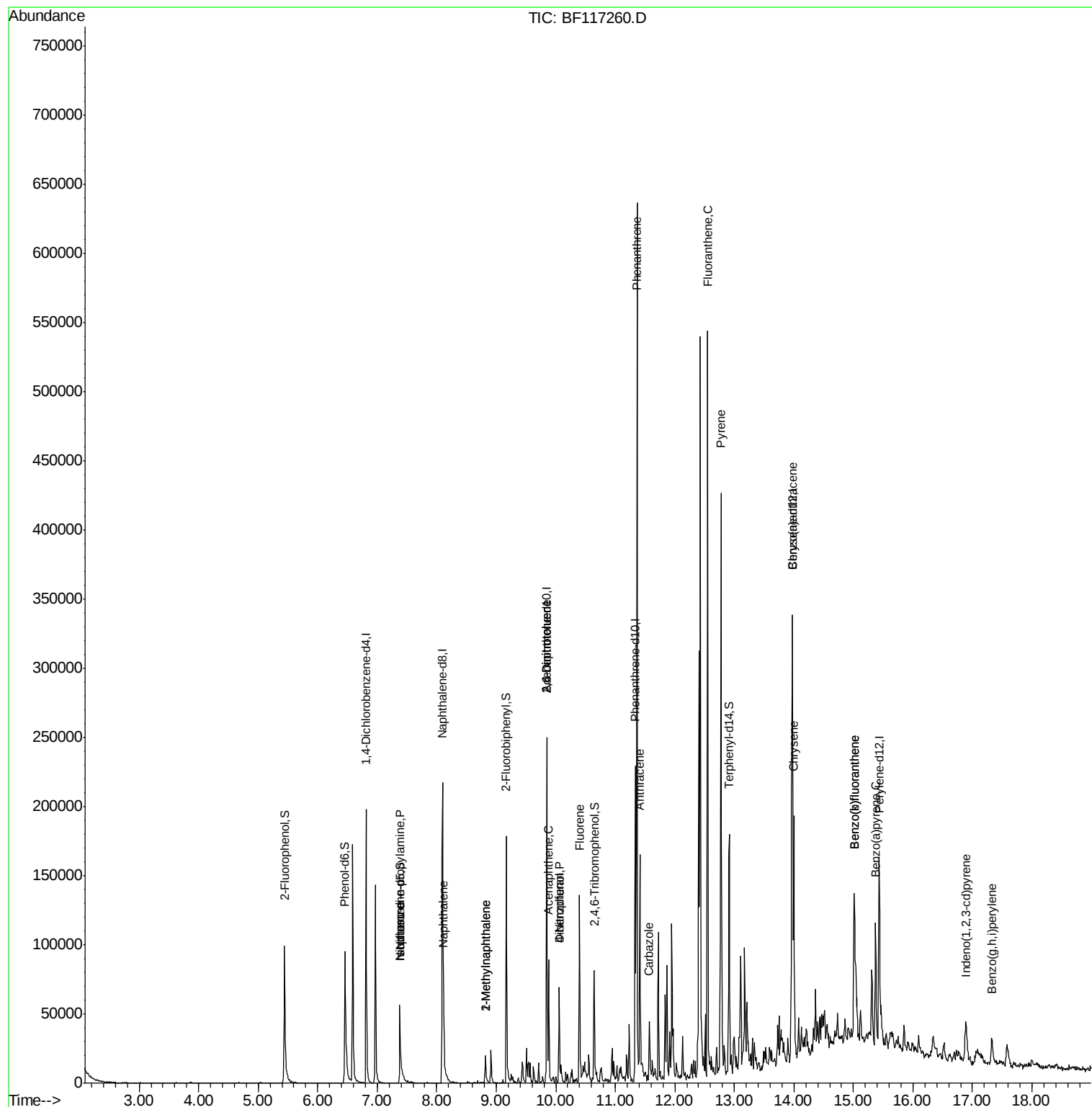
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	1028	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	7.39	70	4279	2.481 ng	#	72
25) Isophorone	7.38	82	37429	8.276 ng	#	66
31) Naphthalene	8.12	128	24422	3.784 ng		99
37) 2-Methylnaphthalene	8.82	142	10469	2.409 ng		97
38) 1-Methylnaphthalene	8.82	142	10469	2.572 ng		95
51) 2,6-Dinitrotoluene	9.85	165	7856	9.343 ng	#	24
52) Acenaphthene	9.88	154	20296	6.332 ng		98
55) Dibenzofuran	10.06	168	31279	6.614 ng	#	95
56) 4-Nitrophenol	10.06	139	12965	18.856 ng	#	6
57) 2,4-Dinitrotoluene	9.85	165	7856	7.198 ng	#	18
58) Fluorene	10.40	166	45002	11.812 ng		96
71) Phenanthrene	11.36	178	241512	49.395 ng		98
72) Anthracene	11.41	178	81715	16.370 ng		99
73) Carbazole	11.57	167	23240	4.905 ng		95
75) Fluoranthene	12.55	202	206715	41.147 ng		98
78) Pyrene	12.78	202	167411	29.568 ng		99
81) Benzo(a)anthracene	13.97	228	80646	17.888 ng		97
83) Chrysene	14.00	228	63431	14.426 ng		95
86) Indeno(1,2,3-cd)pyrene	16.89	276	19645	6.124 ng		96
88) Benzo(b)fluoranthene	15.02	252	82612	23.721 ng		96
89) Benzo(k)fluoranthene	15.02	252	82612	25.041 ng		96
90) Benzo(a)pyrene	15.37	252	43554	14.251 ng		96
92) Benzo(g,h,i)perylene	17.32	276	16070	6.624 ng	#	90

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

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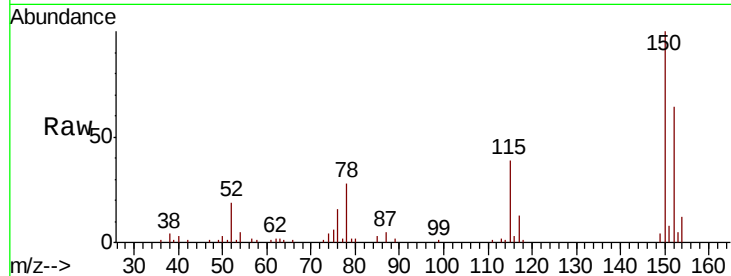


#1

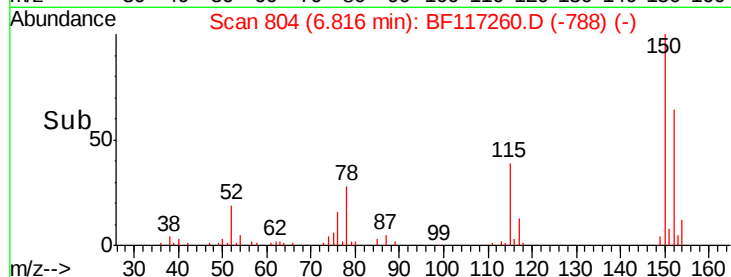
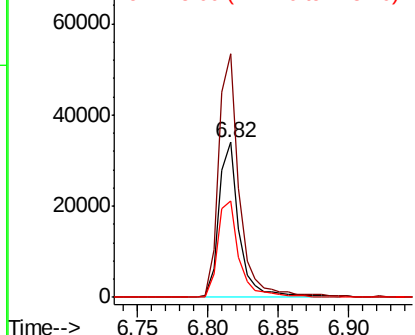
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34221
Ion Ratio Lower Upper
152 100
150 157.0 127.5 191.3
115 62.0 55.0 82.4



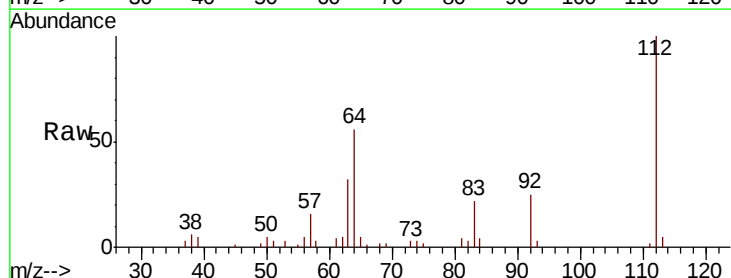
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



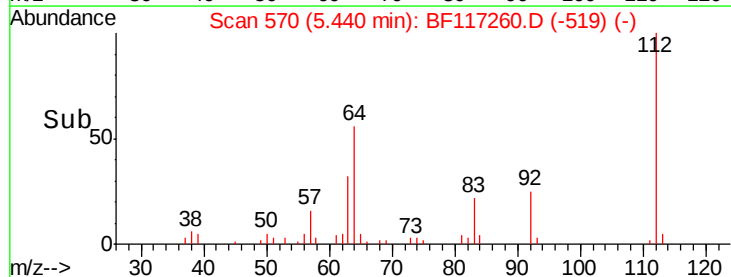
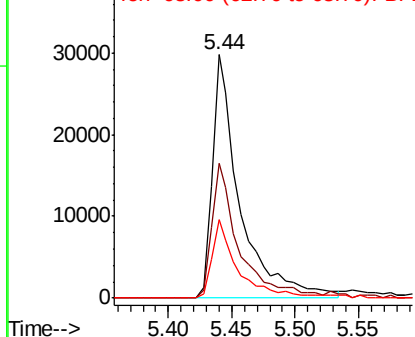
#5

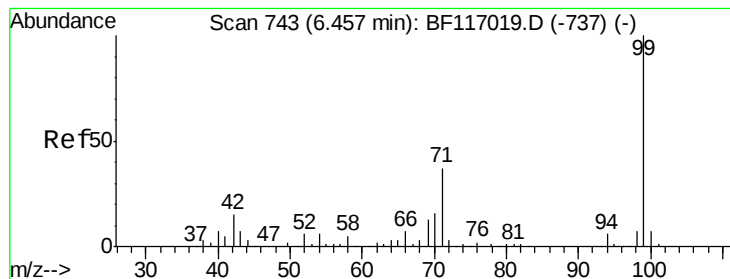
2-Fluorophenol
Concen: 20.637 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:112 Resp: 45234
Ion Ratio Lower Upper
112 100
64 55.6 45.7 68.5
63 32.0 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.149 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Instrument :

BNA_F

ClientSampled :

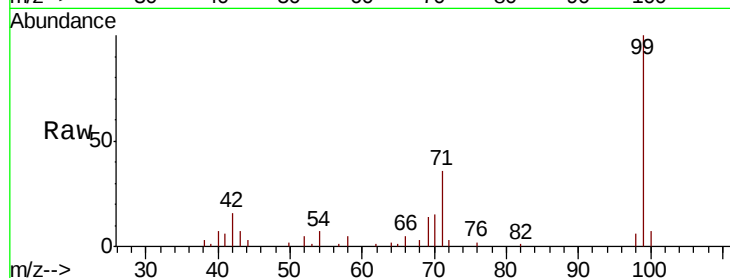
Tot Ion: 99 Resp: 59910

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

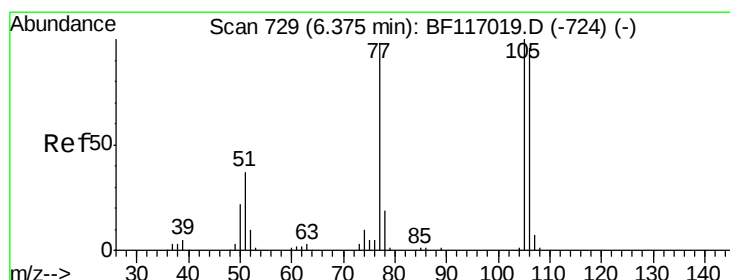
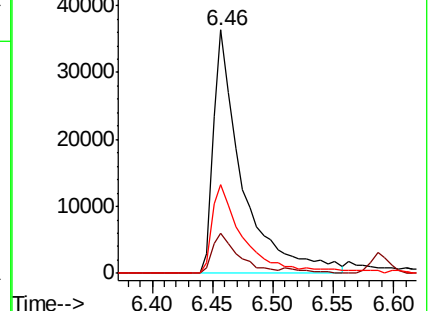
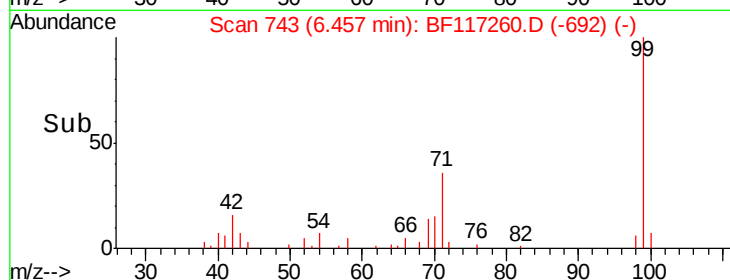
71 36.3 29.8 44.8



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: Below Cal

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

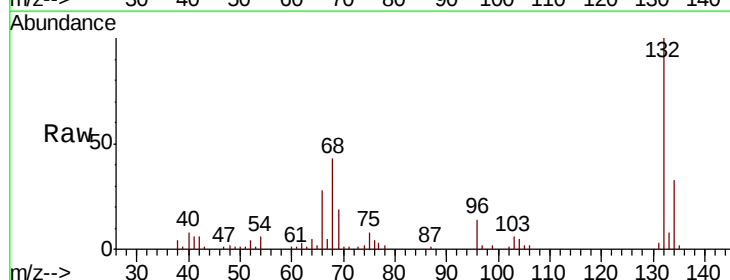
Tgt Ion: 77 Resp: 1028

Ion Ratio Lower Upper

77 100

105 73.5 81.8 121.8#

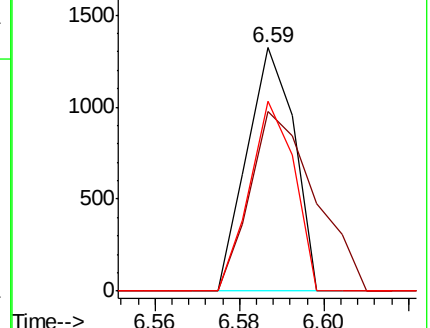
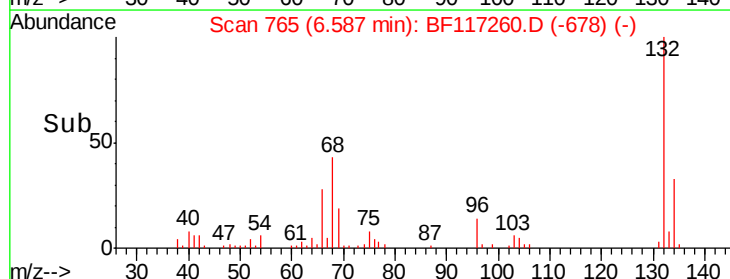
106 77.7 77.3 117.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

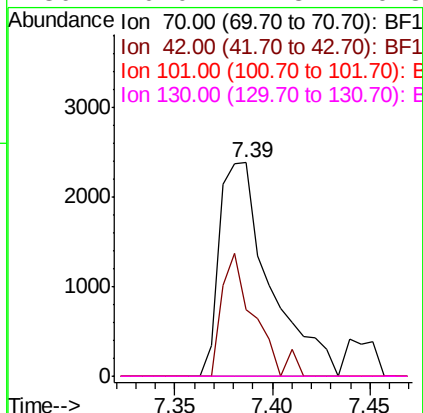
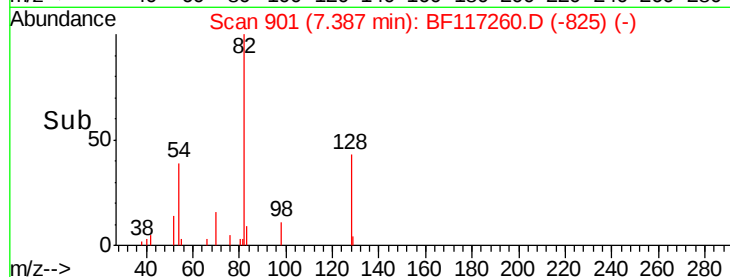
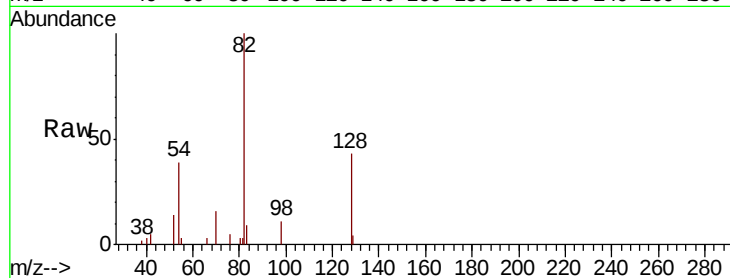




#19
n-Nitroso-di-n-propylamine
Concen: 2.481 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

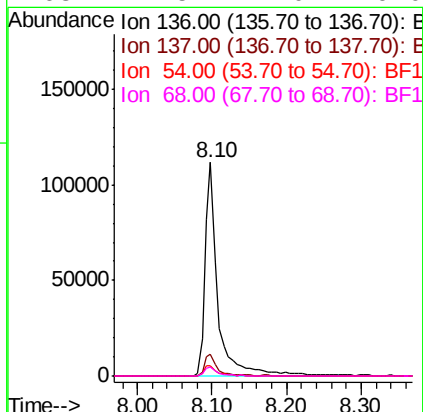
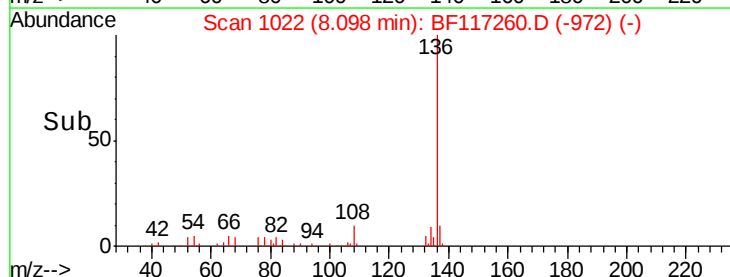
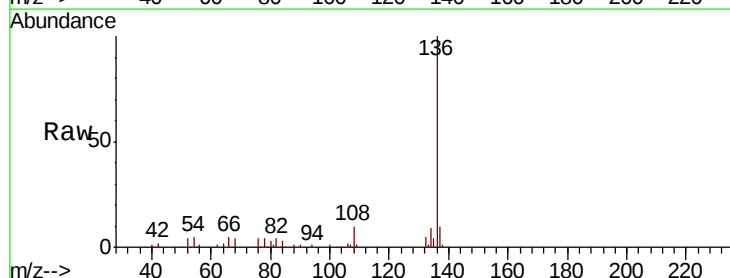
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 4279
Ion Ratio Lower Upper
70 100
42 31.2 34.0 51.0#
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion: 136 Resp: 134212
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 5.0 4.5 6.7
68 4.5 4.0 6.0

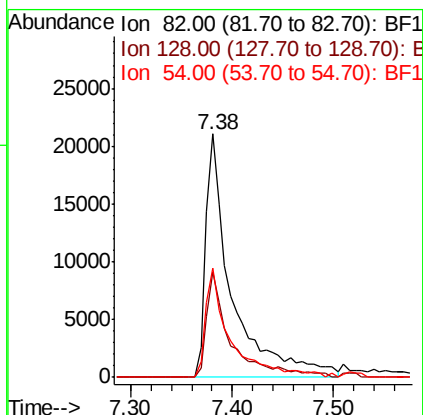
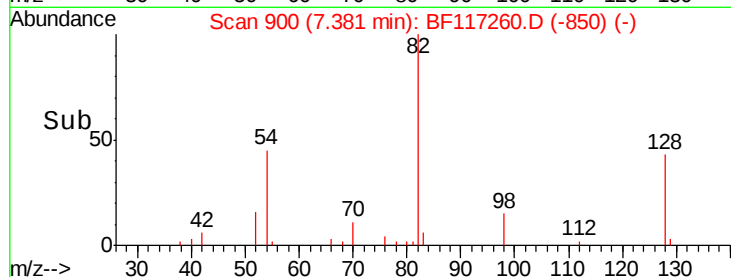
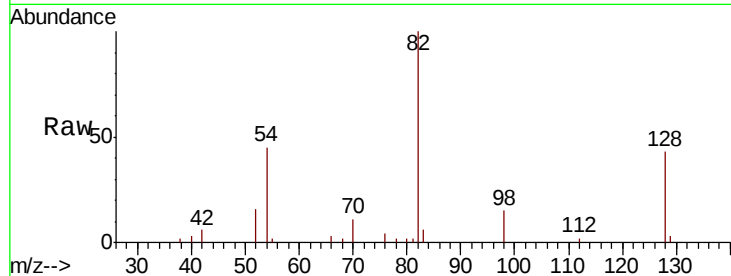




#23
 Nitrobenzene-d5
 Concen: 14.653 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

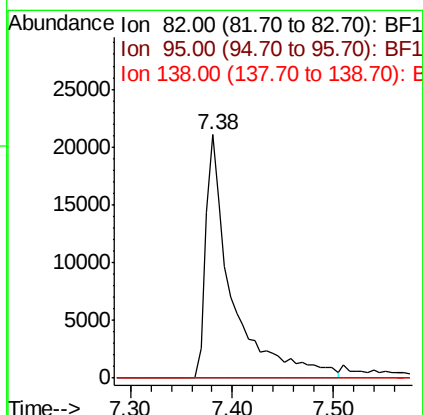
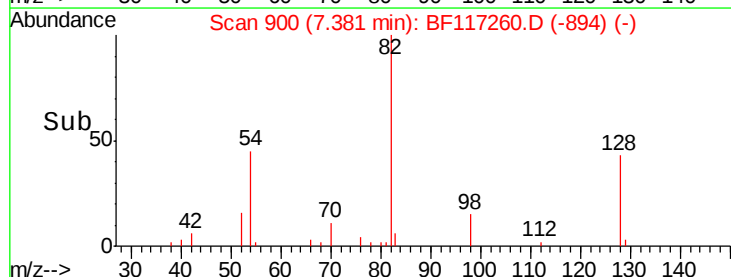
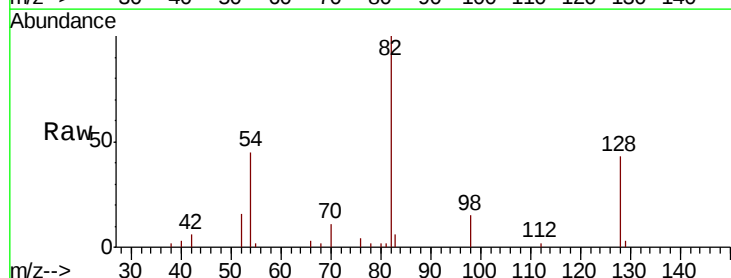
Instrument :
 BNA_F
 ClientSampleId :

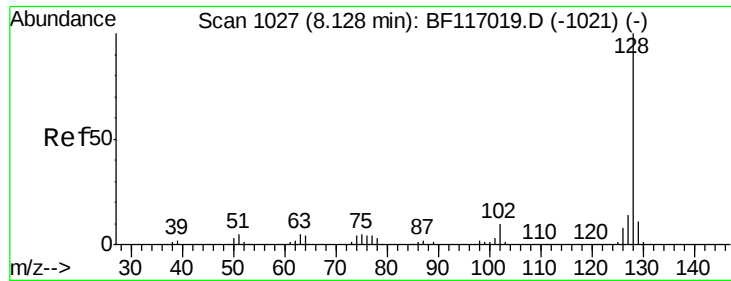
Tot Ion	82	Resp	37429
Ion Ratio	Lower	Upper	
82	100		
128	43.2	32.3	48.5
54	45.1	33.3	49.9



#25
 Isophorone
 Concen: 8.276 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

Tgt Ion	82	Resp	37429
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

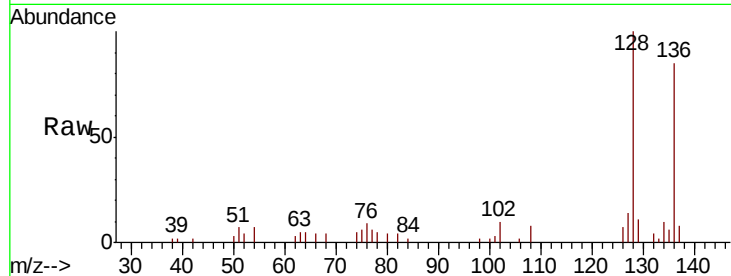




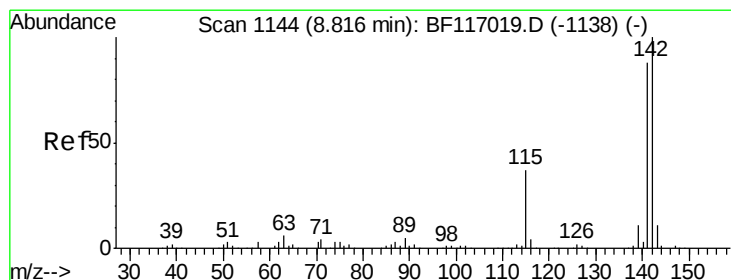
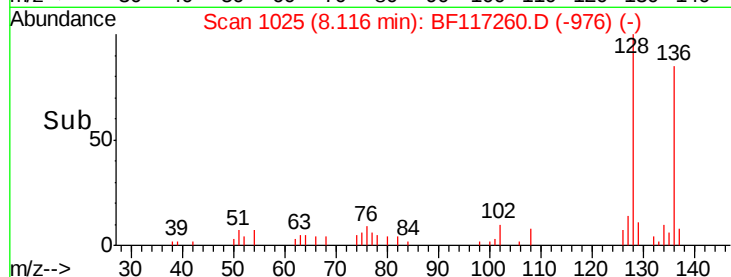
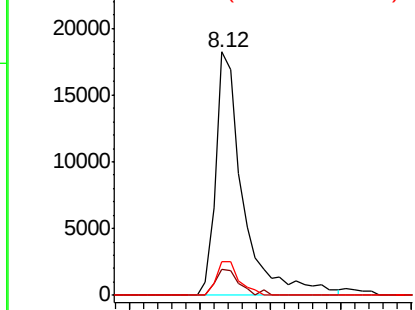
#31
Naphthalene
Concen: 3.784 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 24422
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.4
127 14.0 10.8 16.2

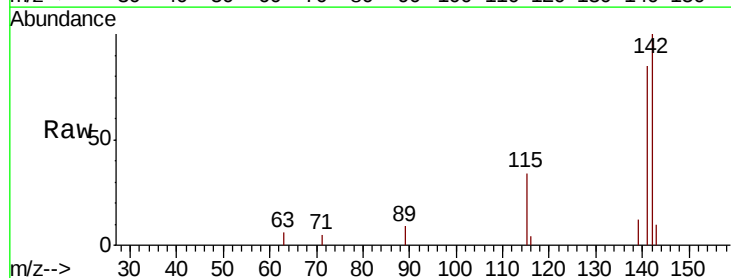


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

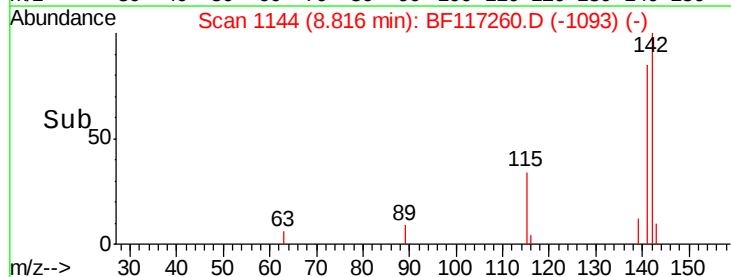
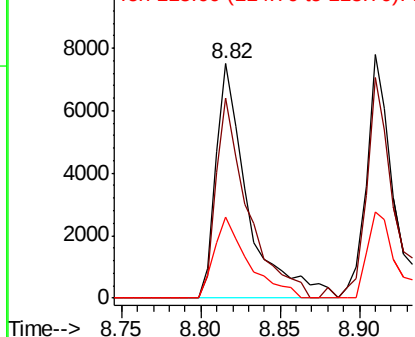


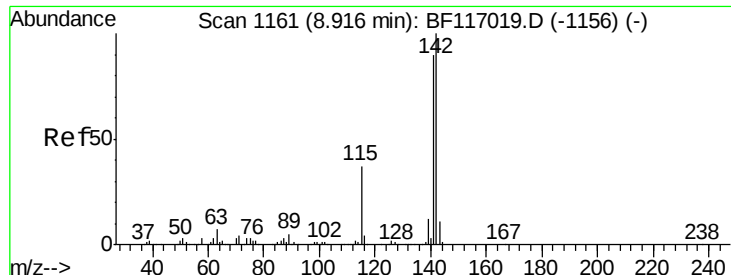
#37
2-Methylnaphthalene
Concen: 2.409 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:142 Resp: 10469
Ion Ratio Lower Upper
142 100
141 85.4 70.7 106.1
115 34.4 29.4 44.0



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

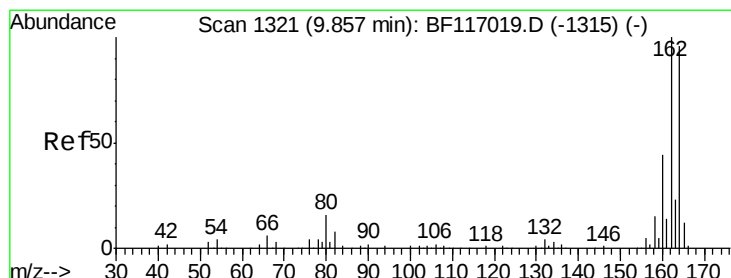
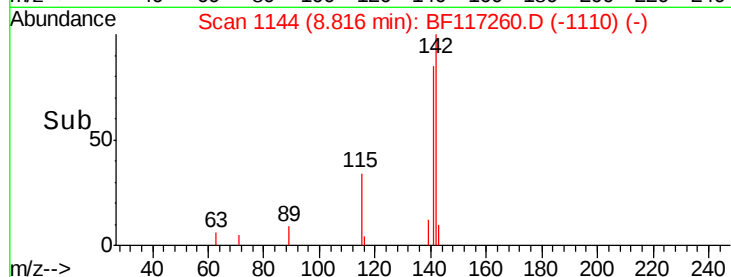
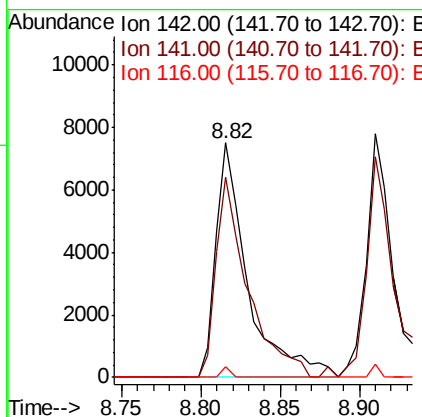
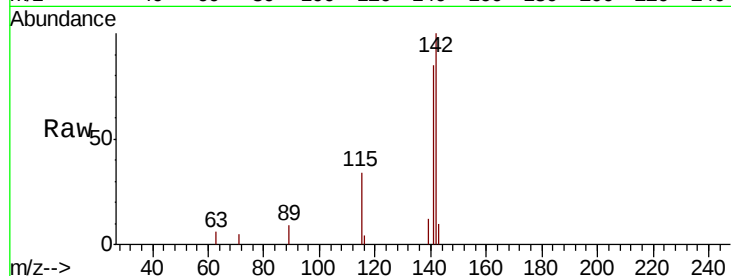




#38
 1-Methylnaphthalene
 Concen: 2.572 ng
 RT: 8.82 min Scan# 1144
 Delta R.T. -0.10 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

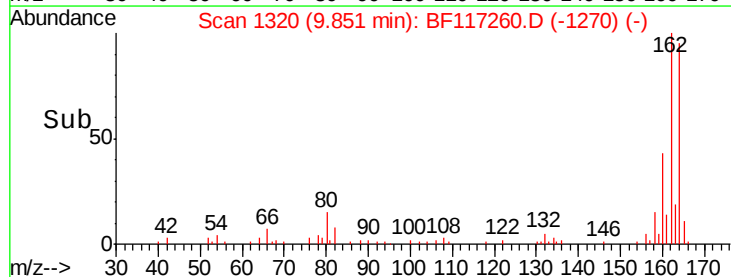
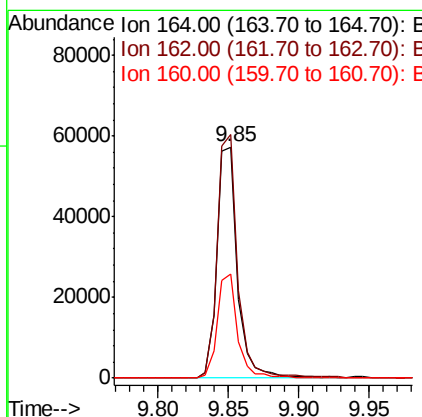
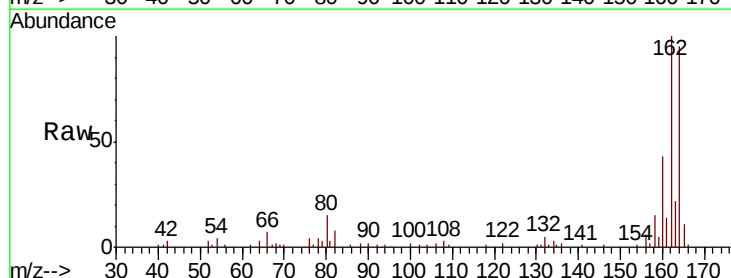
Instrument :
 BNA_F
 ClientSampled :

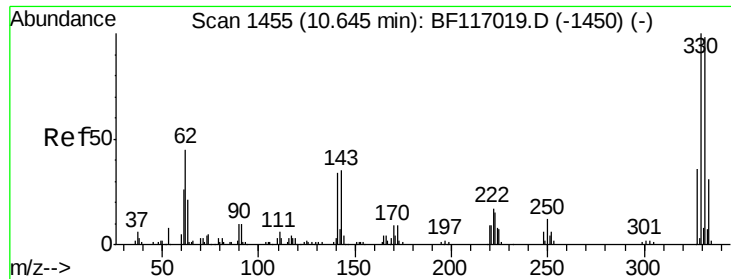
Tot Ion:142 Resp: 10469
 Ion Ratio Lower Upper
 142 100
 141 85.4 71.9 107.9
 116 4.4 3.2 4.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

Tgt Ion:164 Resp: 58309
 Ion Ratio Lower Upper
 164 100
 162 105.4 83.4 125.2
 160 44.8 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 19.157 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Instrument :

BNA_F

ClientSampleId :

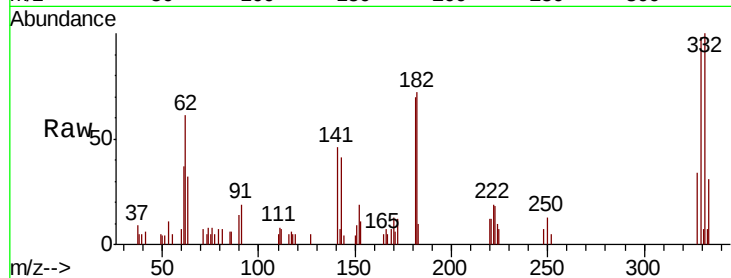
Tot Ion:330 Resp: 9336

Ion Ratio Lower Upper

330 100

332 101.1 78.0 117.0

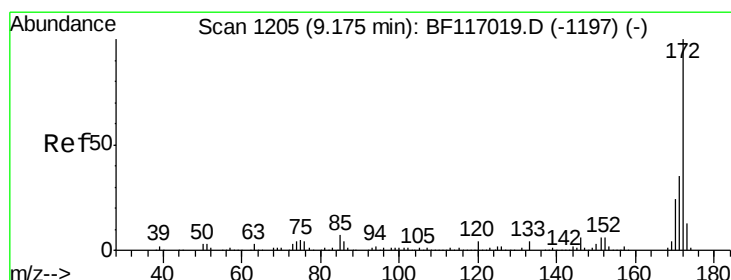
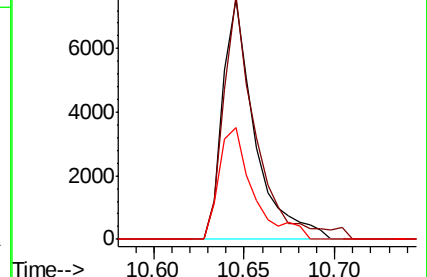
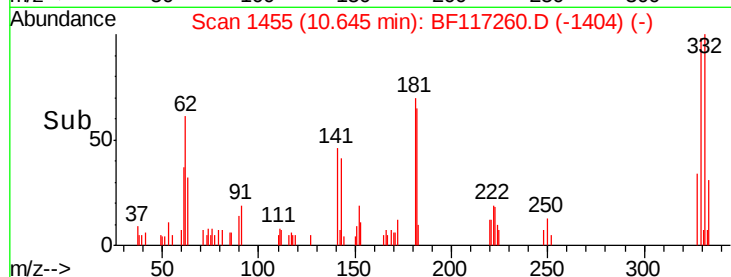
141 49.4 35.8 53.6



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: 17.893 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

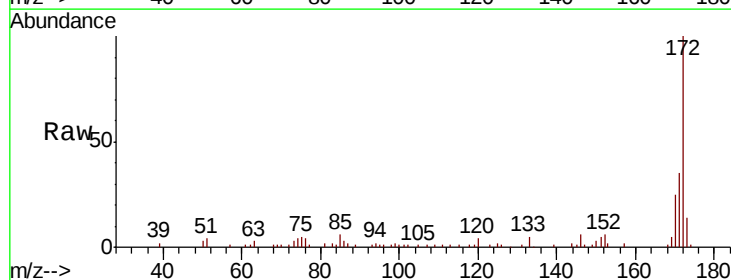
Tgt Ion:172 Resp: 66727

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

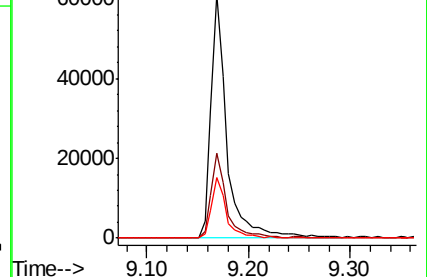
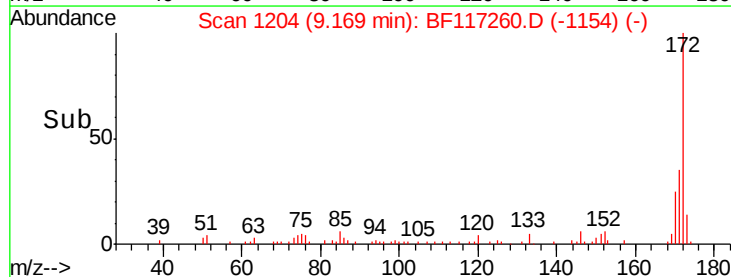
170 25.0 18.9 28.3

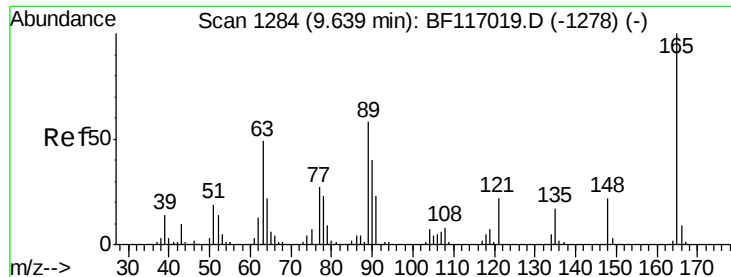


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 9.343 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Instrument :
BNA_F
ClientSampled :

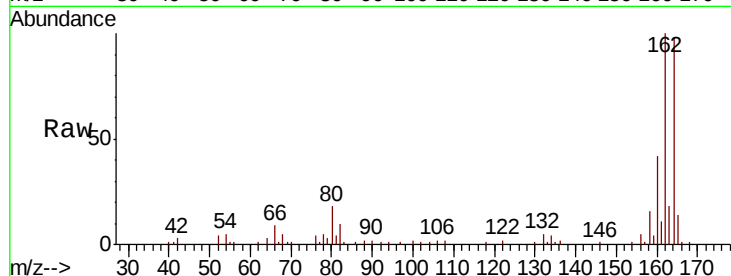
Tot Ion:165 Resp: 7856

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

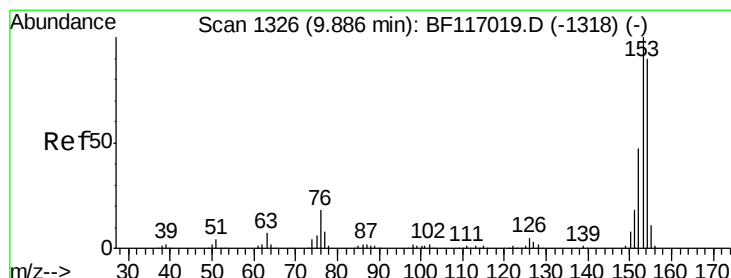
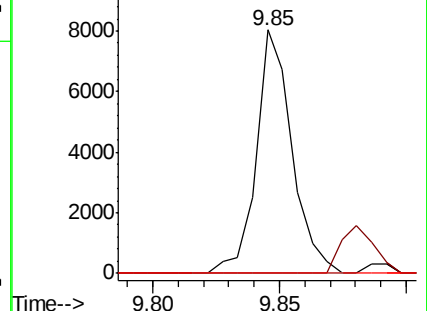
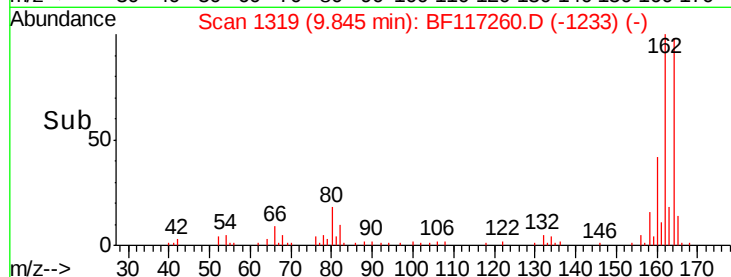
89 0.0 46.5 69.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 6.332 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

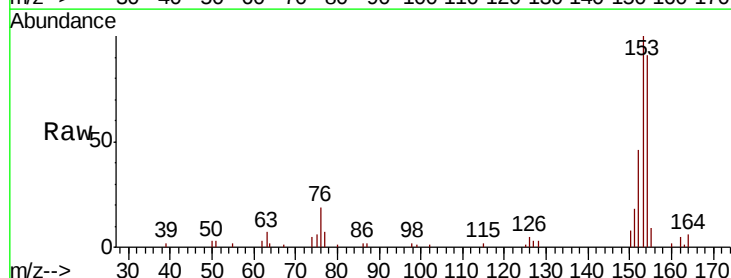
Tgt Ion:154 Resp: 20296

Ion Ratio Lower Upper

154 100

153 109.5 89.0 133.6

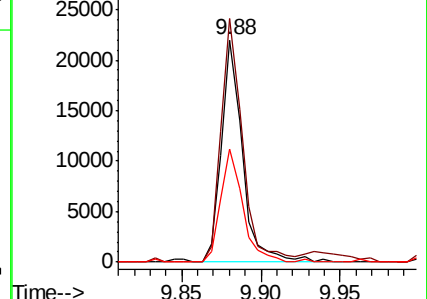
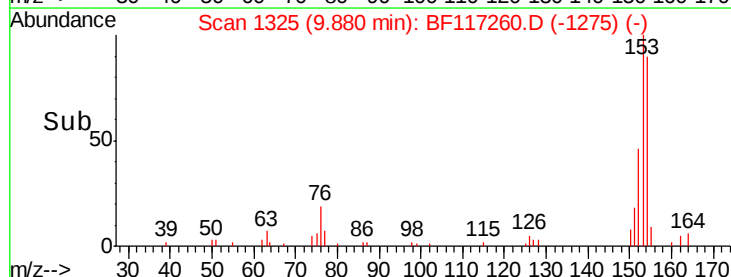
152 50.8 41.9 62.9

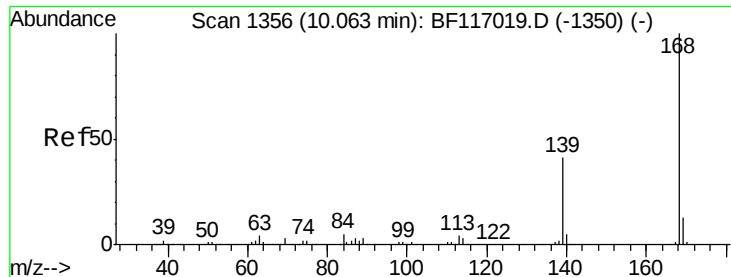


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzenofuran

Concen: 6.614 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Instrument :

BNA_F

ClientSampleId :

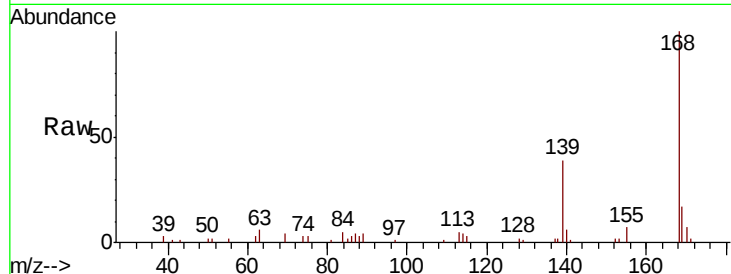
Tot Ion:168 Resp: 31279

Ion Ratio Lower Upper

168 100

139 39.0 32.8 49.2

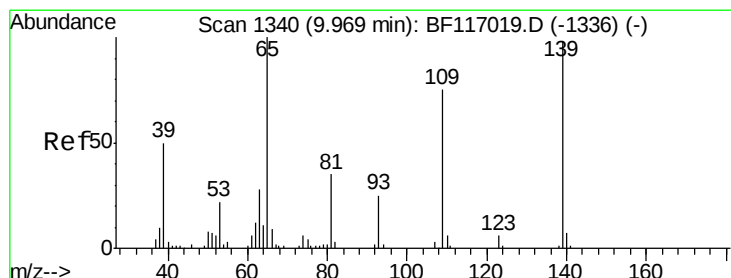
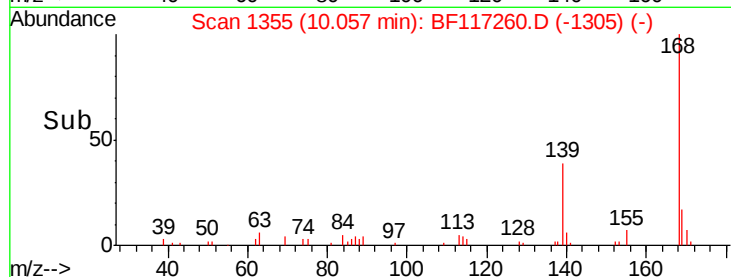
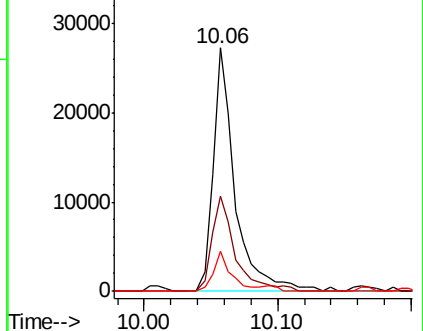
169 16.5 10.5 15.7#



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: 18.856 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.09 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

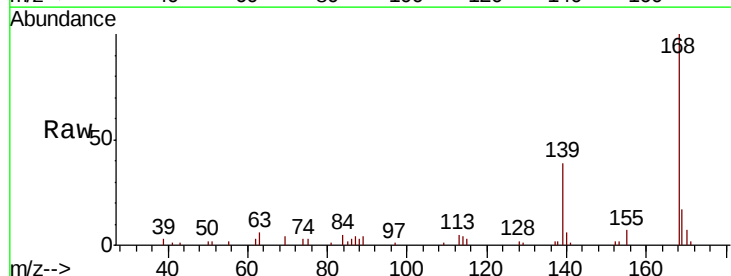
Tgt Ion:139 Resp: 12965

Ion Ratio Lower Upper

139 100

109 3.1 56.4 96.4#

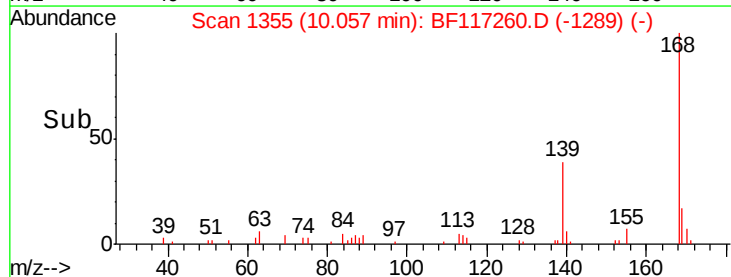
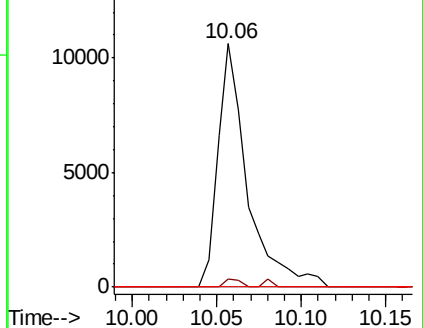
65 0.0 82.5 122.5#

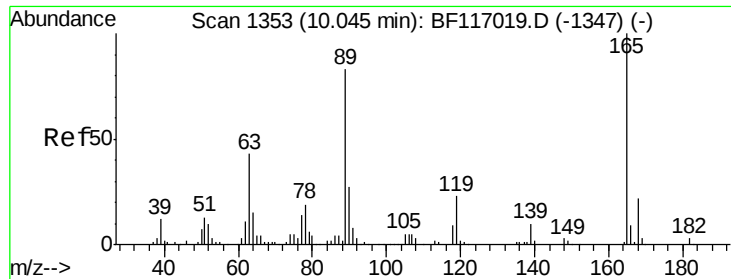


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

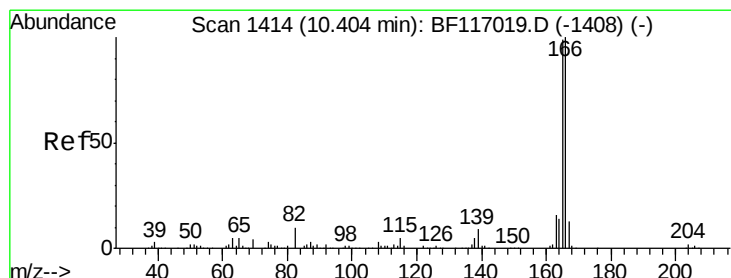
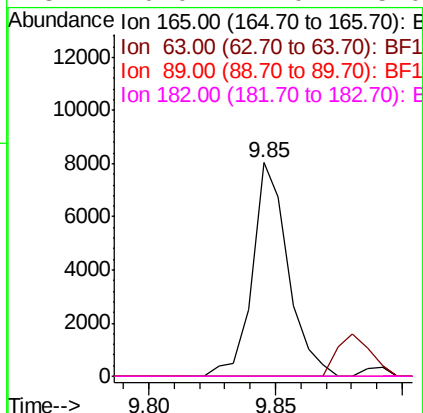
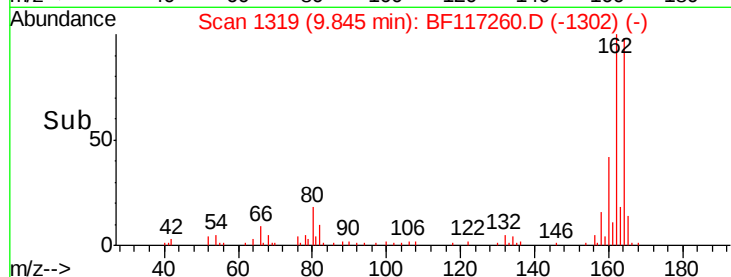
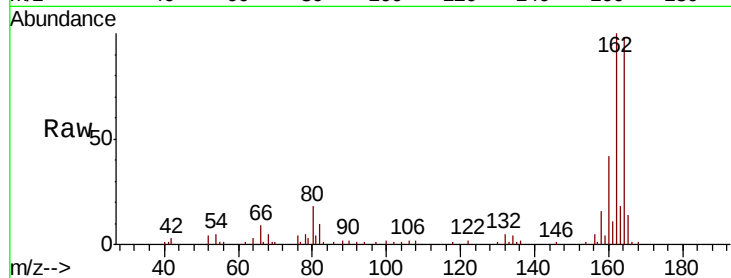




#57
 2,4-Dinitrotoluene
 Concen: 7.198 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

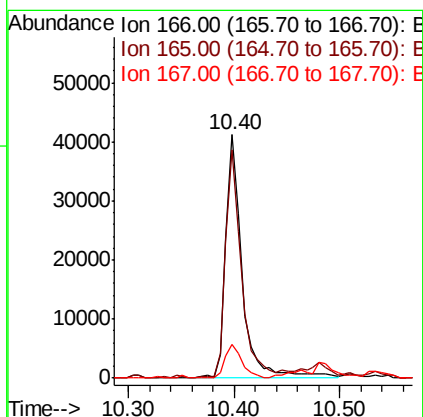
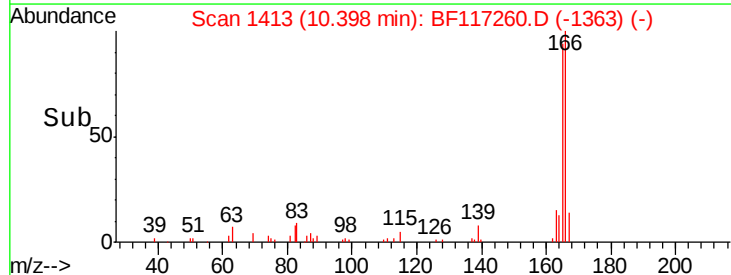
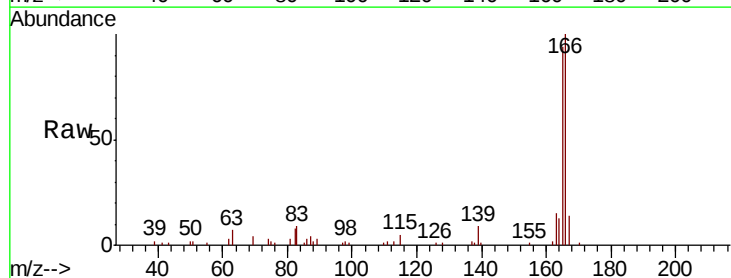
Instrument :
 BNA_F
 ClientSampleId :

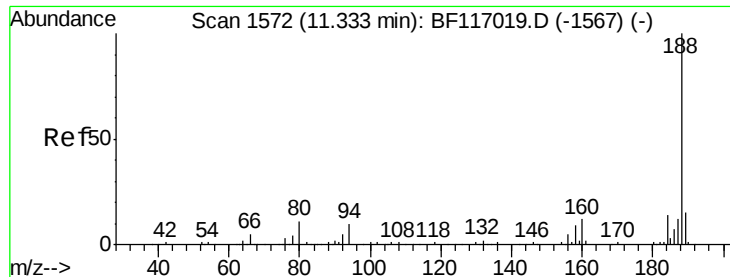
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#58
 Fluorene
 Concen: 11.812 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.9	78.9	118.3
167	13.7	10.6	15.8

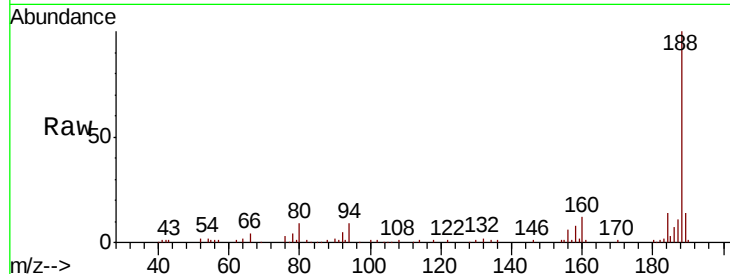




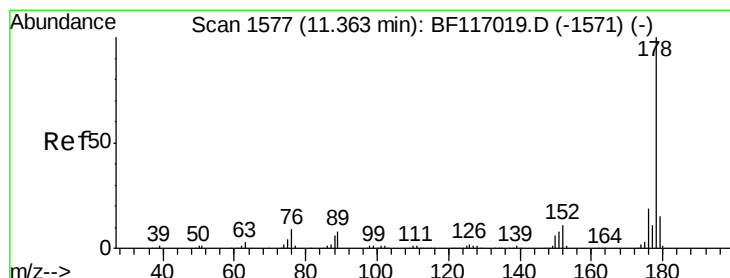
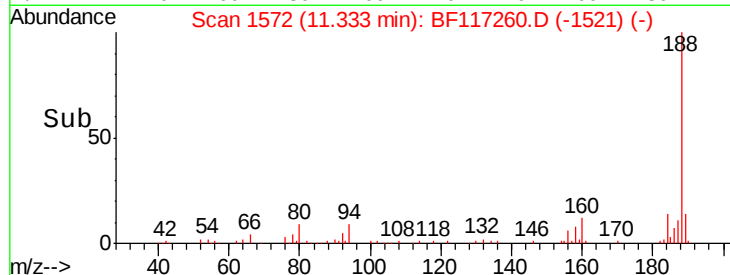
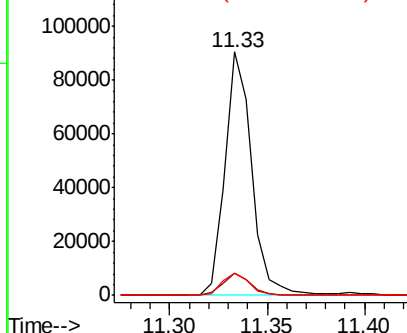
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 86081
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.2 12.2
 80 9.3 9.0 13.6

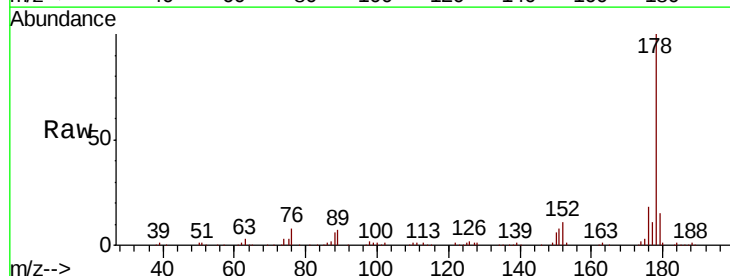


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

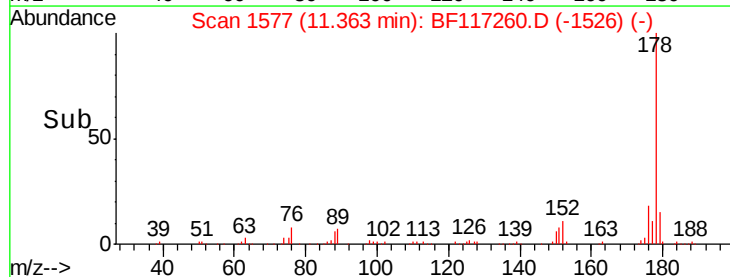
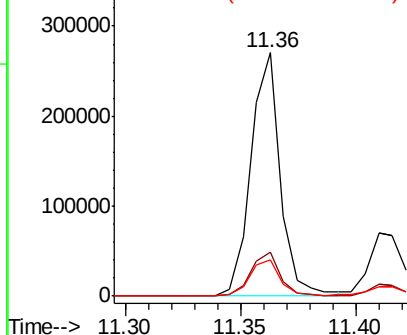


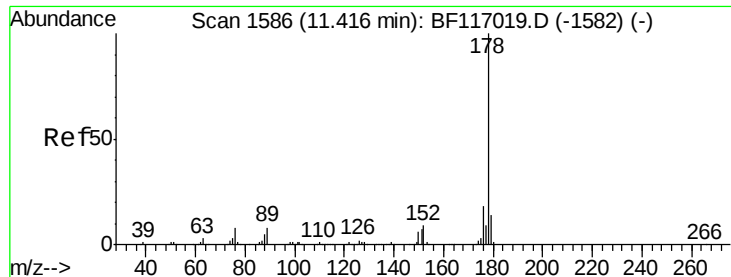
#71
 Phenanthrene
 Concen: 49.395 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

Tgt Ion:178 Resp: 241512
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 14.6 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





#72

Anthracene

Concen: 16.370 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

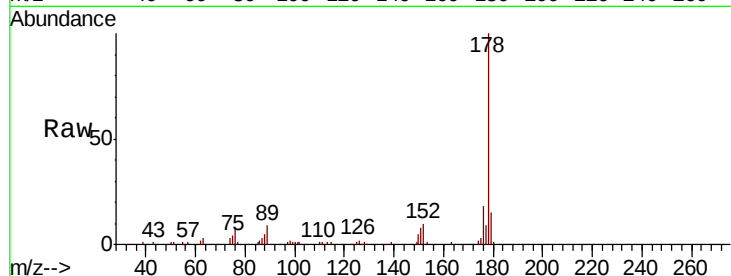
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 81715

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.2	11.6	17.4

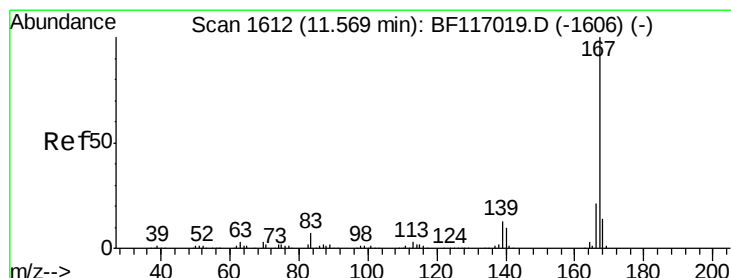
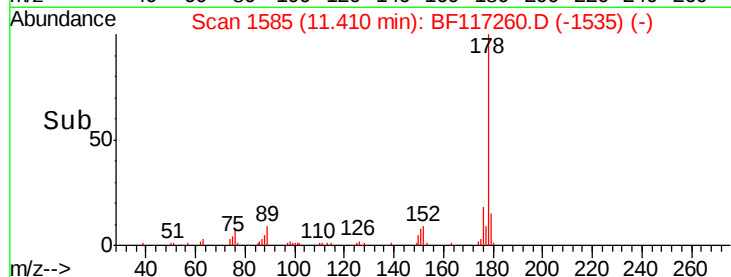
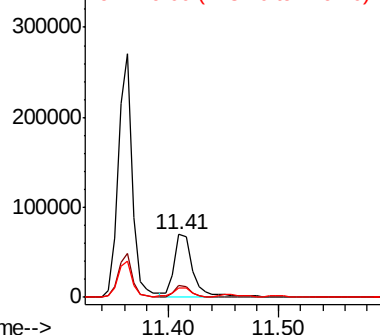


Abundance

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: 4.905 ng

RT: 11.57 min Scan# 1612

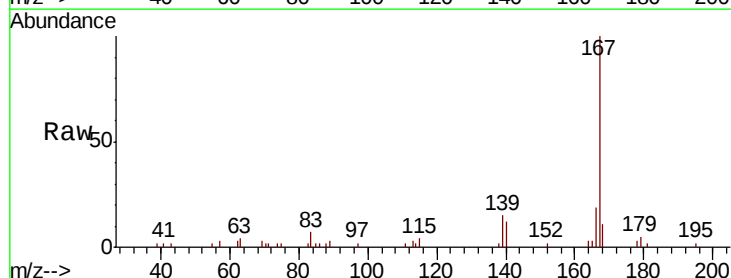
Delta R.T. 0.00 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Tgt Ion:167 Resp: 23240

Ion	Ratio	Lower	Upper
167	100		
166	19.2	17.2	25.8
139	15.1	10.6	16.0

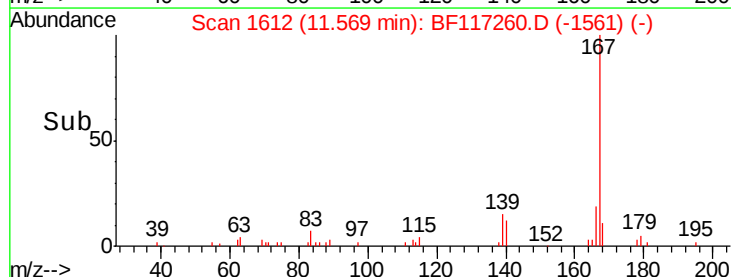
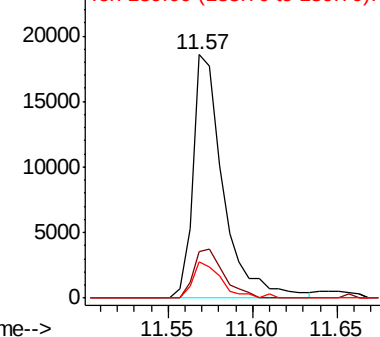


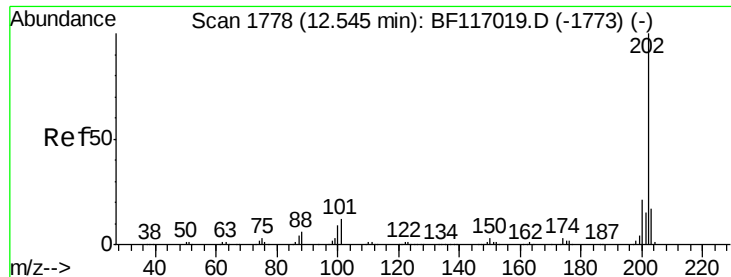
Abundance

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





#75

Fluoranthene

Concen: 41.147 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Instrument :

BNA_F

ClientSampleId :

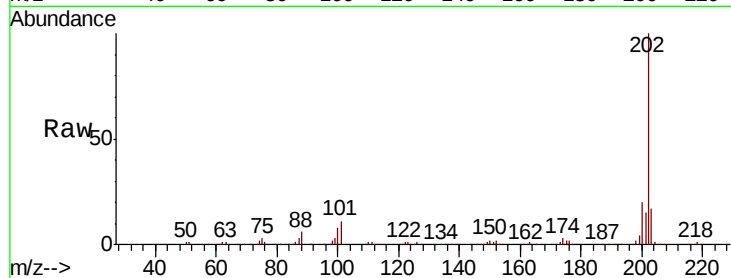
Tot Ion:202 Resp: 206715

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.3

203 17.0 0.0 37.1

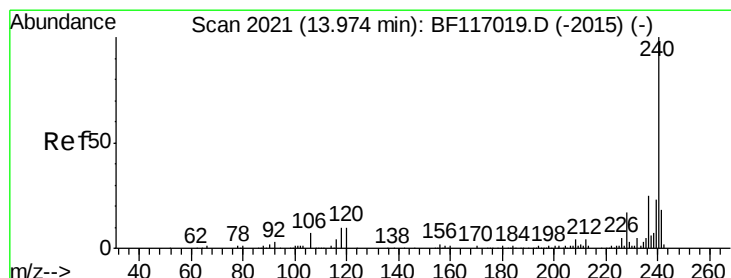
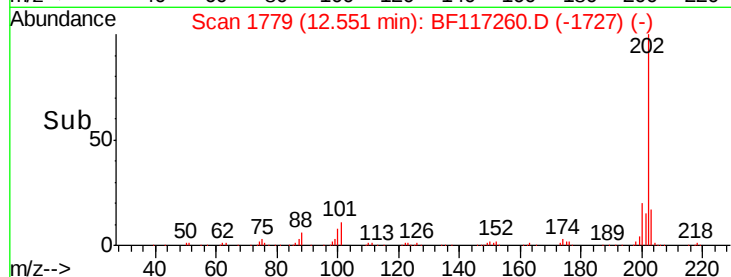
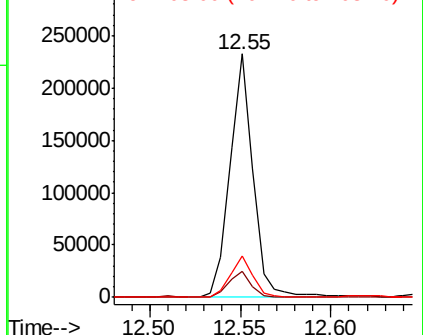


Abundance

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: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

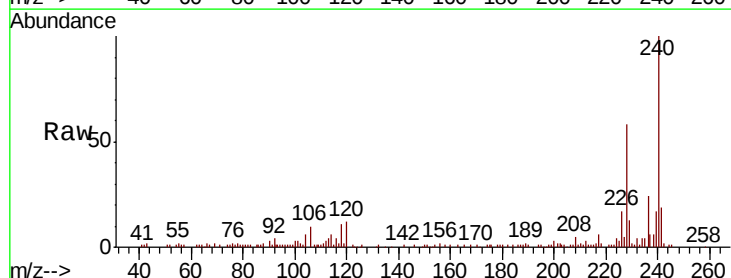
Tgt Ion:240 Resp: 67479

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

236 23.7 20.3 30.5

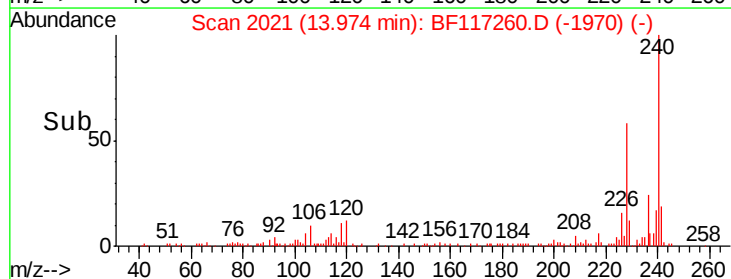
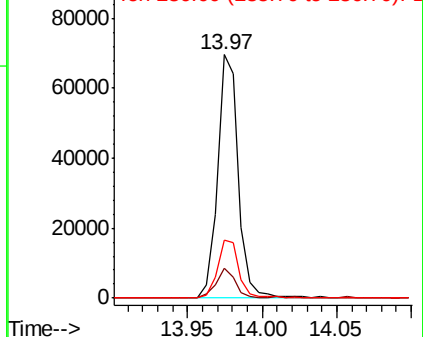


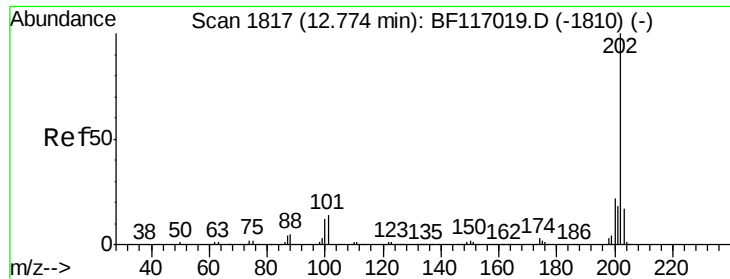
Abundance

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

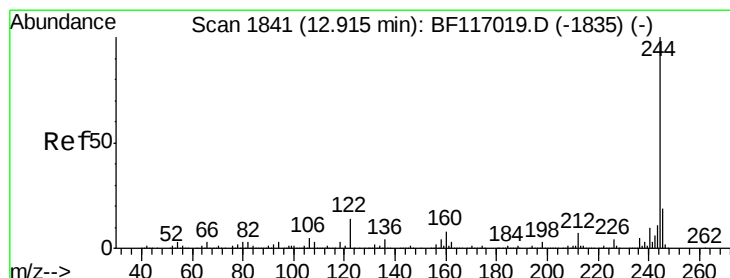
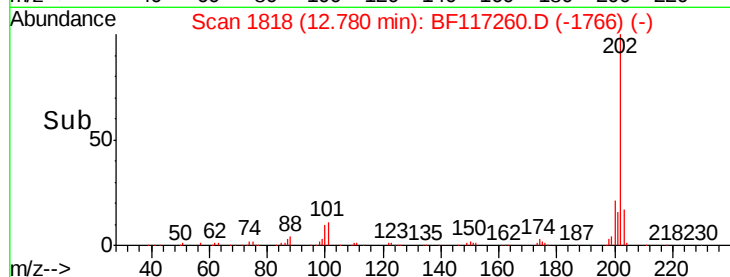
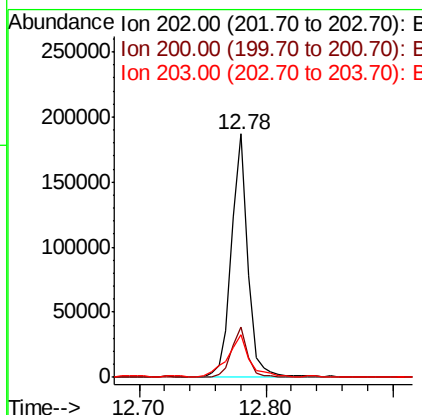
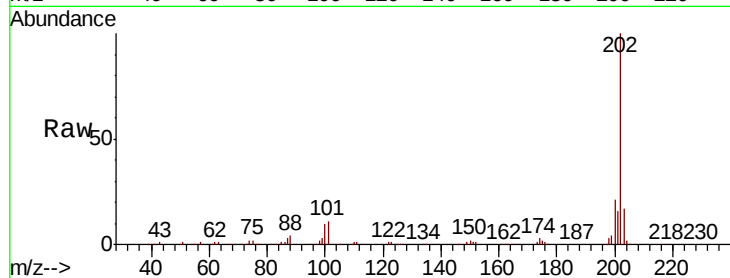




#78
Pvrene
Concen: 29.568 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

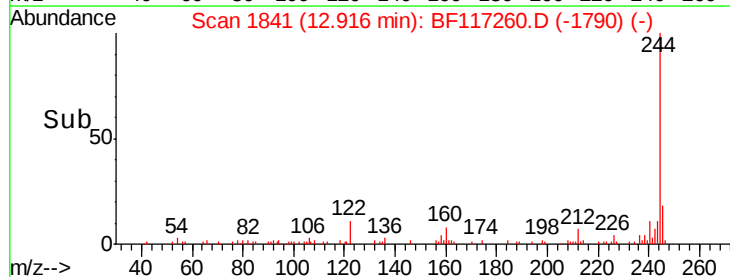
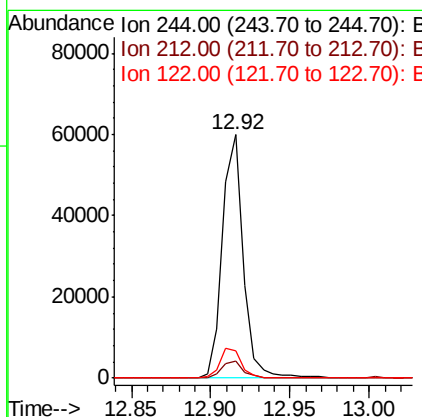
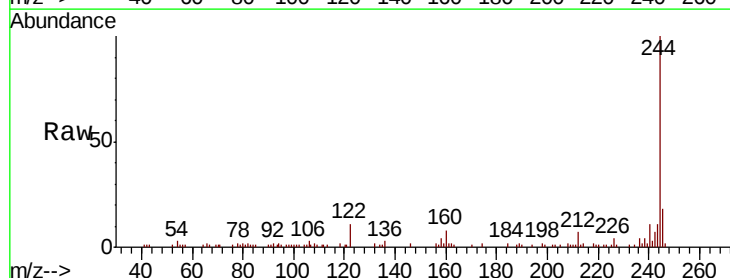
Instrument :
BNA_F
ClientSampleId :

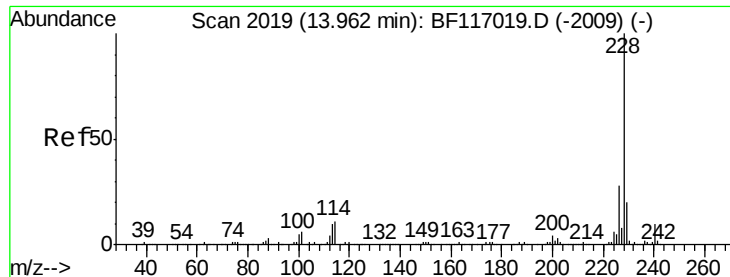
Tot Ion:202 Resp: 167411
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 17.4 14.0 21.0



#79
Terphenyl-d14
Concen: 15.129 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:244 Resp: 54615
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 11.2 11.3 16.9#

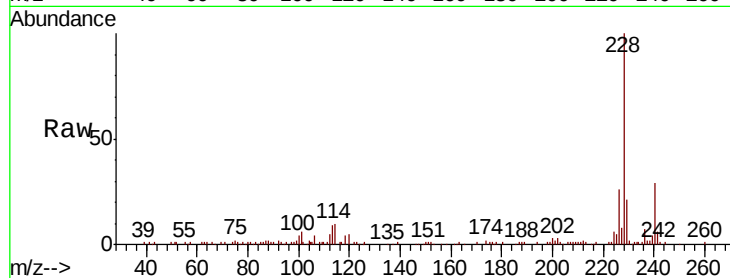




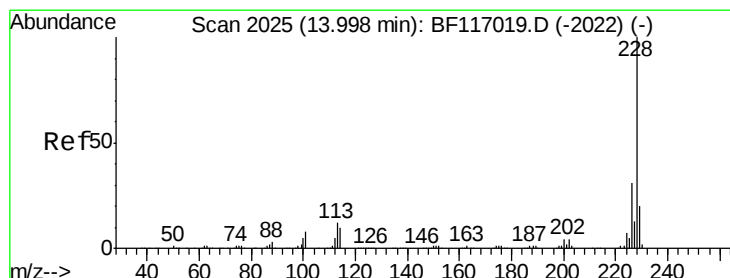
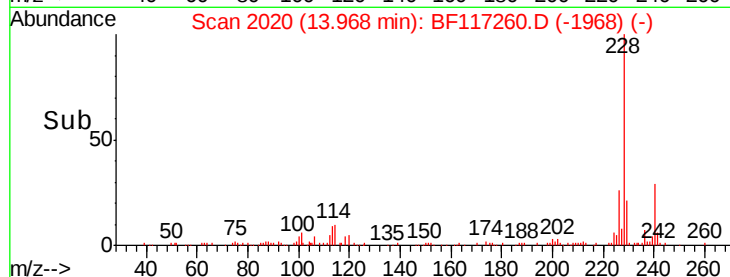
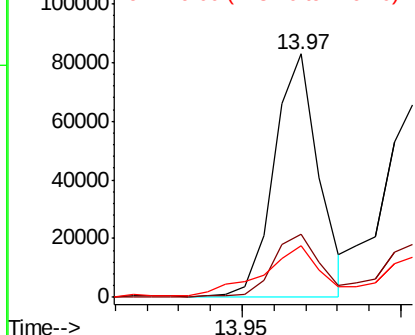
#81
Benzo(a)anthracene
Concen: 17.888 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 80646
Ion Ratio Lower Upper
228 100
226 26.1 22.3 33.5
229 21.0 15.9 23.9

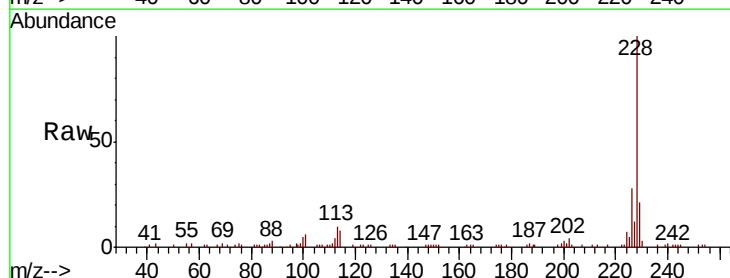


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

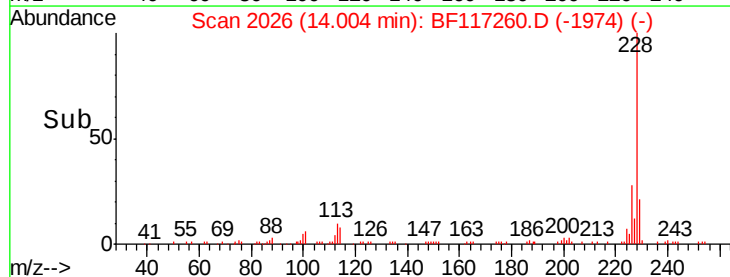
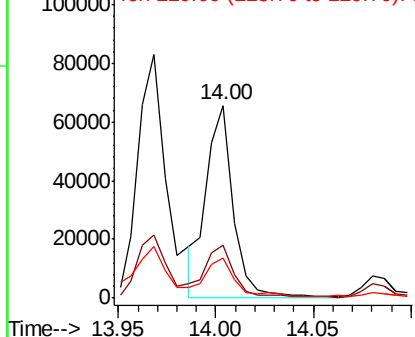


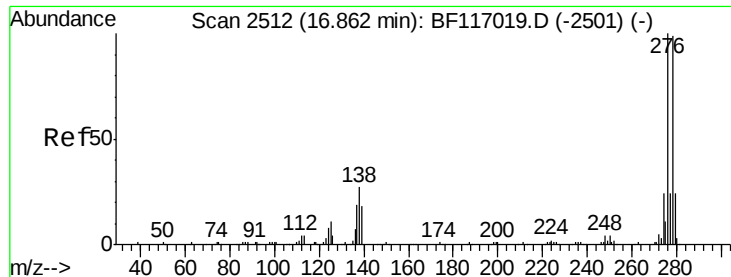
#83
Chrysene
Concen: 14.426 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:228 Resp: 63431
Ion Ratio Lower Upper
228 100
226 27.5 24.8 37.2
229 21.0 15.8 23.8



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

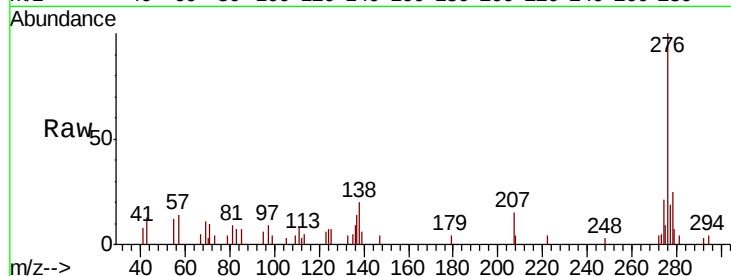




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.124 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.03 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	24.7	20.7	31.1	
277	27.3	19.8	29.8	

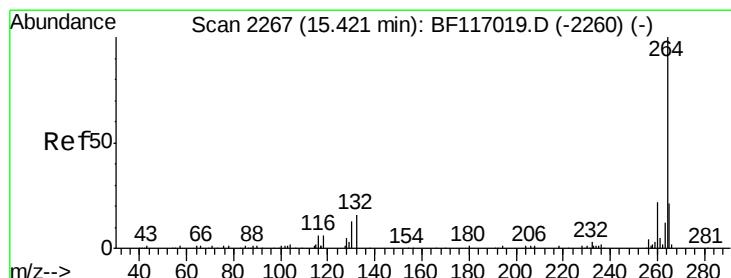
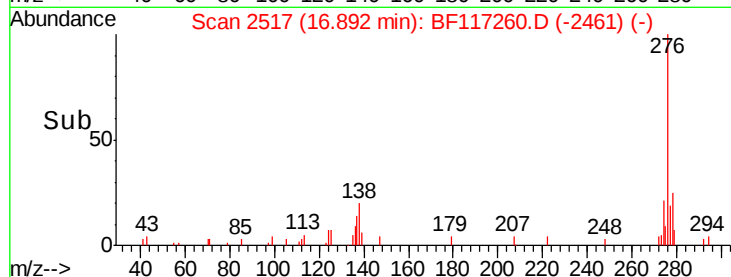
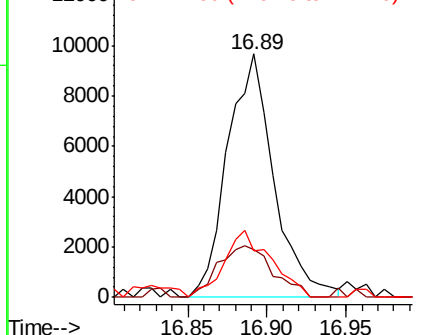


Abundance

Ion 276.00 (275.70 to 276.70): E

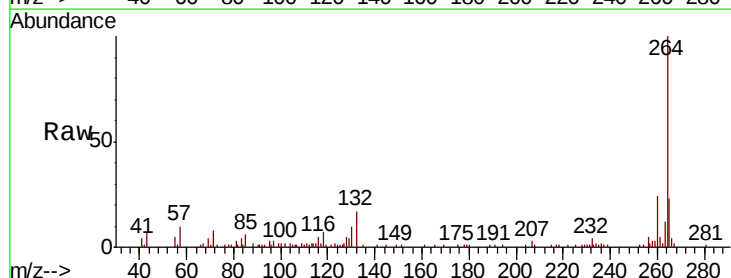
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117260.D
 Acq: 26 Sep 2019 1:45

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.5	17.6	26.4	
265	22.9	16.6	24.8	

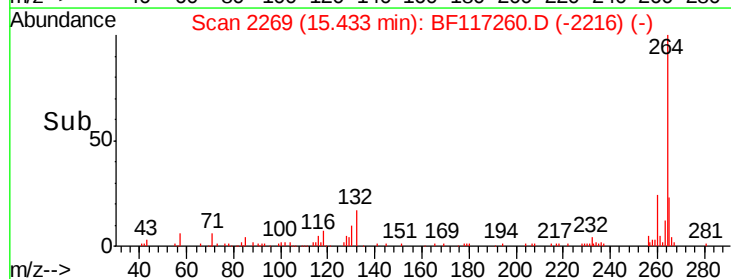
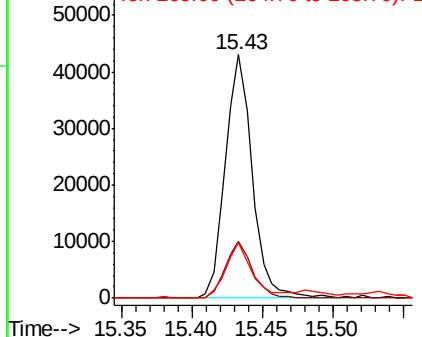


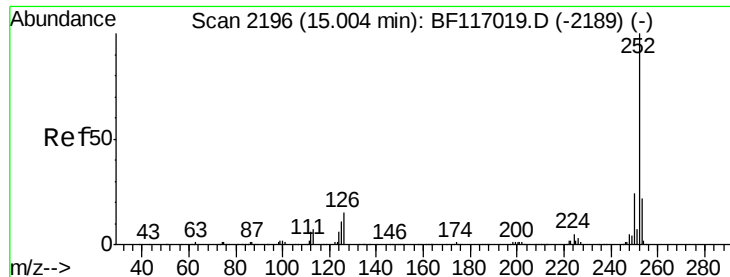
Abundance

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: 23.721 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Instrument :

BNA_F

ClientSampleId :

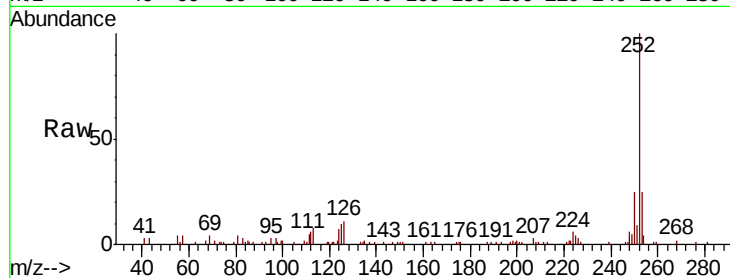
Tot Ion:252 Resp: 82612

Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

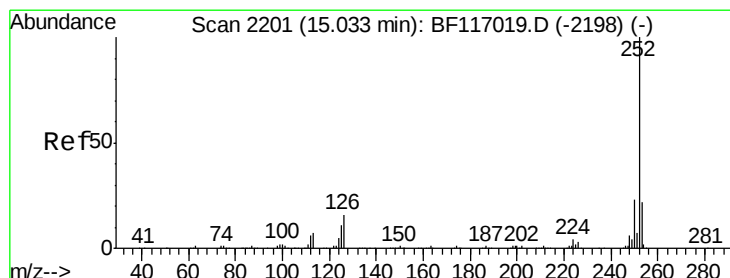
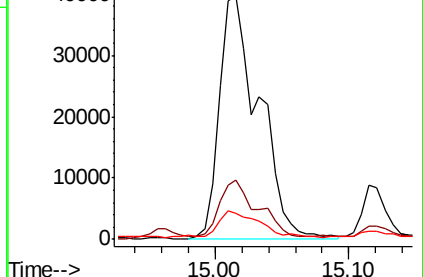
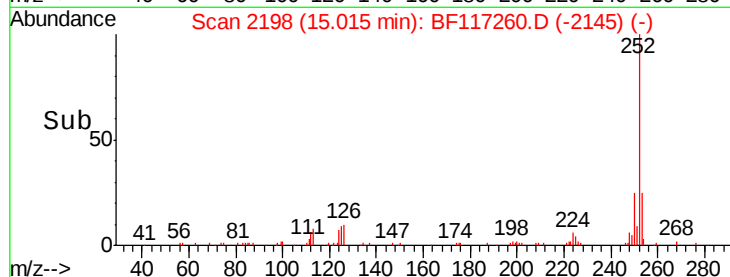
125 10.4 8.6 12.8



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



#89

Benzo(k)fluoranthene

Concen: 25.041 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

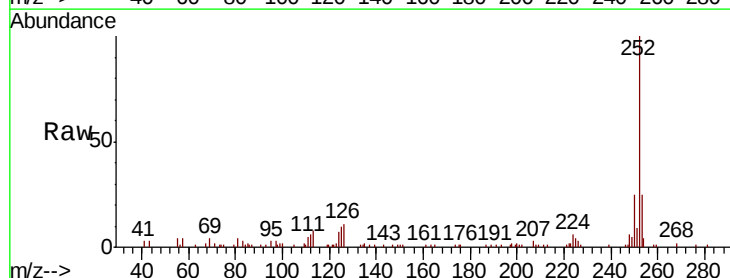
Tgt Ion:252 Resp: 82612

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.2

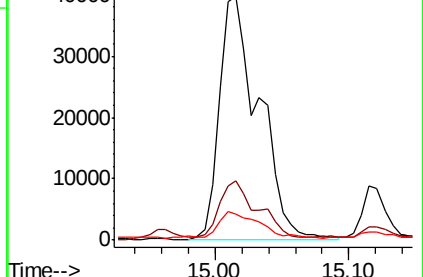
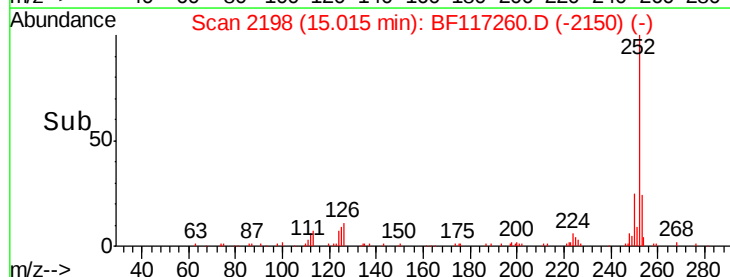
125 10.4 8.8 13.2

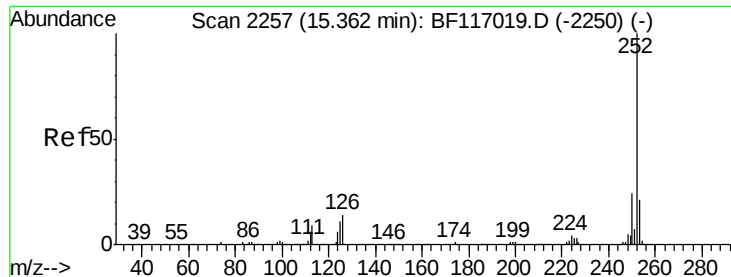


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 14.251 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

Instrument :

BNA_F

ClientSampleId :

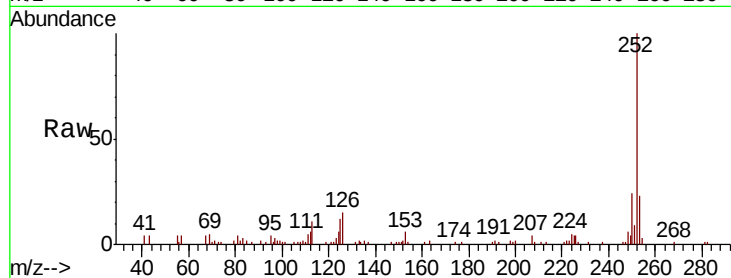
Tot Ion:252 Resp: 43554

Ion Ratio Lower Upper

252 100

253 23.0 16.6 25.0

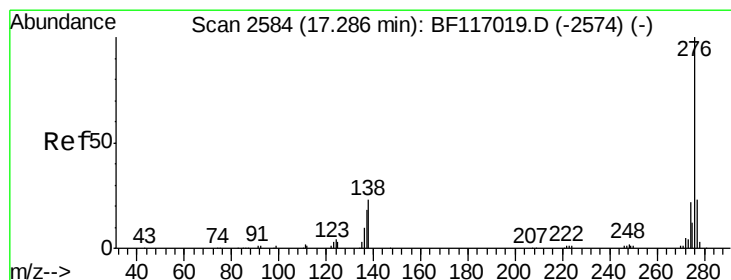
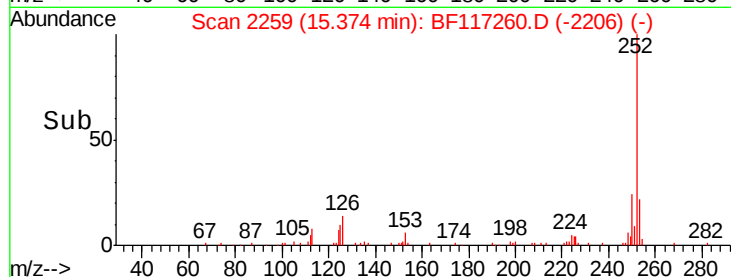
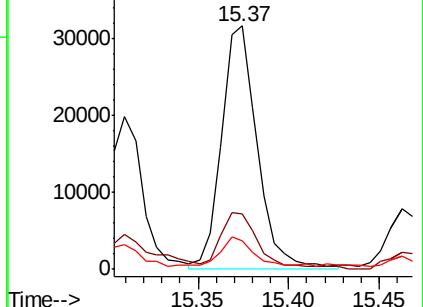
125 11.6 8.9 13.3



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



#92

Benzo(g,h,i)perylene

Concen: 6.624 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.04 min

Lab File: BF117260.D

Acq: 26 Sep 2019 1:45

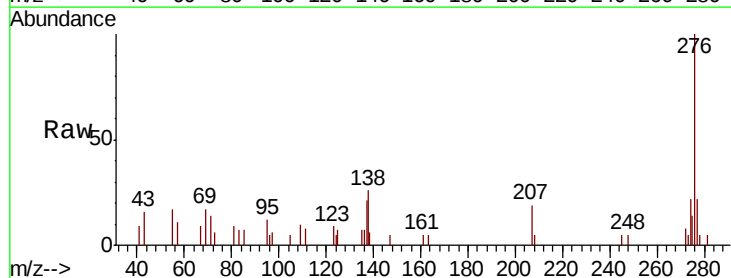
Tgt Ion:276 Resp: 16070

Ion Ratio Lower Upper

276 100

277 22.5 18.6 27.8

138 31.8 18.0 27.0#



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

