

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100919\
 Data File : BF117358.D
 Acq On : 9 Oct 2019 16:38
 Operator : JU
 Sample : K5286-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 22:53:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	42662	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	170669	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	87922	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	126053	20.00	ng	0.00
76) Chrysene-d12	13.97	240	94210	20.00	ng	0.00
87) Perylene-d12	15.43	264	107770	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	252956	92.57	ng	0.00
7) Phenol-d6	6.45	99	354782	100.46	ng	0.00
23) Nitrobenzene-d5	7.36	82	218762	67.35	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	65892	89.67	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	365373	64.98	ng	0.00
79) Terphenyl-d14	12.91	244	275312	54.62	ng	0.00

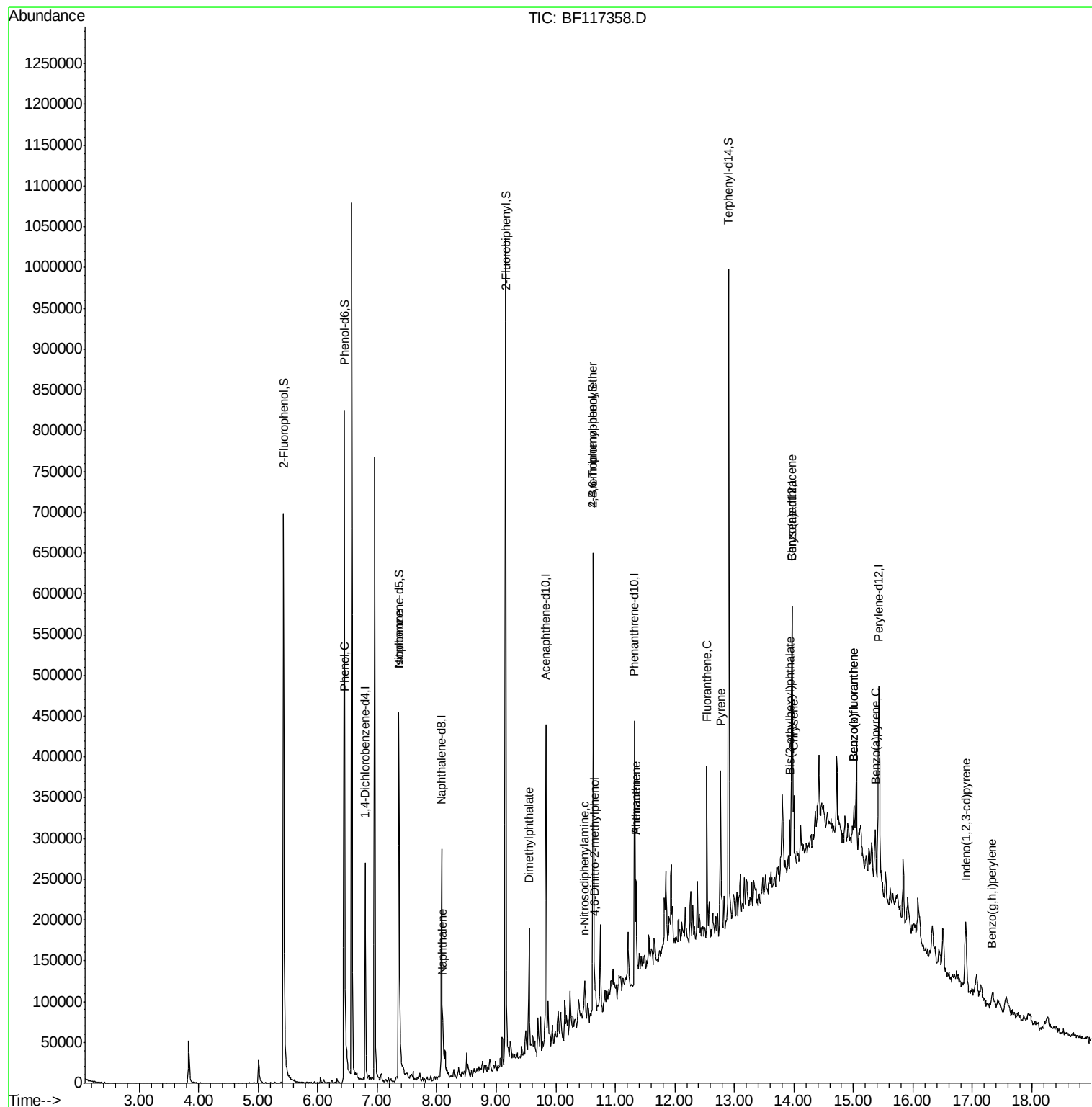
Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	401	Below Cal	#	1
10) Phenol	6.46	94	12454	3.199	ng	85
25) Isophorone	7.36	82	218778	38.040	ng	# 67
31) Naphthalene	8.10	128	23307	2.840	ng	97
50) Dimethylphthalate	9.55	163	52197	8.385	ng	96
65) 4,6-Dinitro-2-methylphenol	10.65	198	779	8.064	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	8737	2.007	ng	# 65
67) 4-Bromophenyl-phenylether	10.63	248	4154	3.227	ng	# 1
69) Atrazine	10.80	200	109	Below Cal	#	1
71) Phenanthrene	11.35	178	48896	6.829	ng	98
72) Anthracene	11.35	178	48896	6.689	ng	98
75) Fluoranthene	12.54	202	77740	10.567	ng	97
78) Pvrene	12.77	202	79142	10.012	ng	96
81) Benzo(a)anthracene	13.96	228	33180	5.271	ng	# 91
83) Chrysene	14.00	228	33518	5.460	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.93	149	17134	3.558	ng	# 90
86) Indeno(1,2,3-cd)pyrene	16.90	276	9951	2.222	ng	# 78
88) Benzo(b)fluoranthene	15.01	252	36940	5.659	ng	# 81
89) Benzo(k)fluoranthene	15.01	252	36940	5.974	ng	# 81
90) Benzo(a)pyrene	15.37	252	21906	3.824	ng	# 80
92) Benzo(a,h,i)perylene	17.33	276	9522	2.094	ng	93

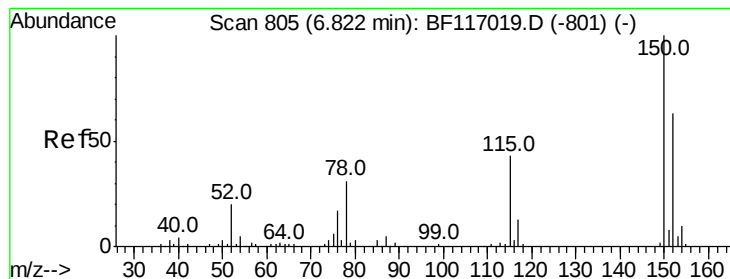
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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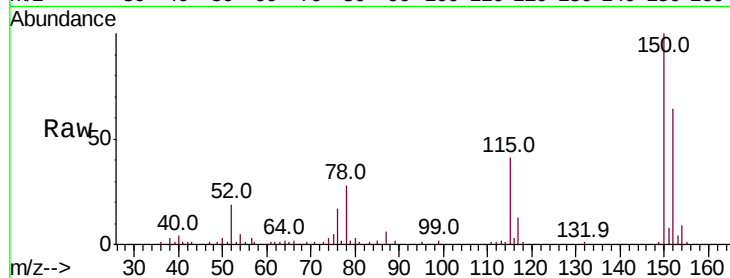


#1

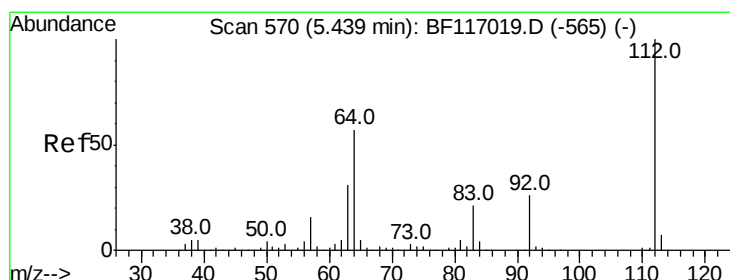
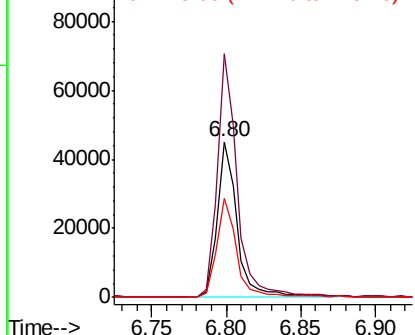
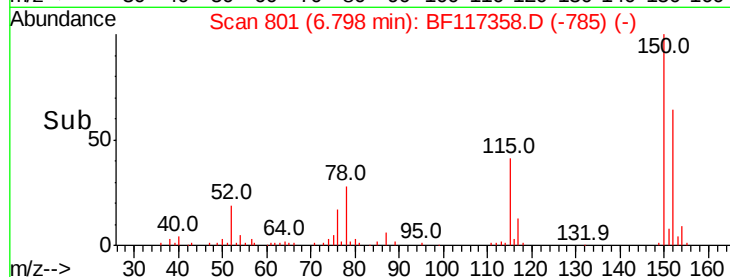
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 42662
 Ion Ratio Lower Upper
 152 100
 150 156.6 127.5 191.3
 115 63.6 55.0 82.4



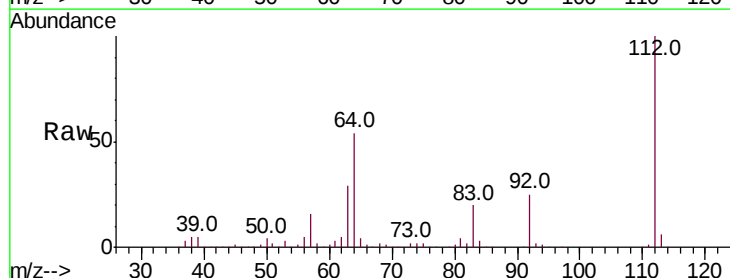
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



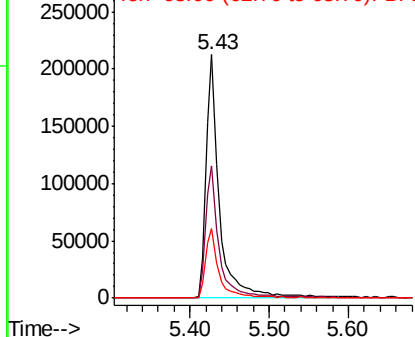
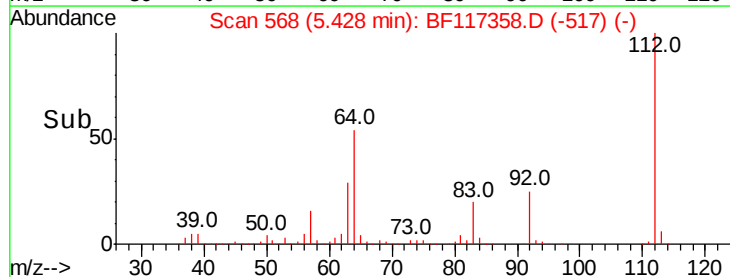
#5

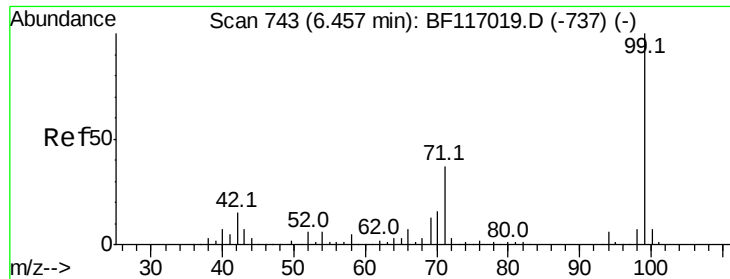
2-Fluorophenol
 Concen: 92.571 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Tgt Ion:112 Resp: 252956
 Ion Ratio Lower Upper
 112 100
 64 54.5 45.7 68.5
 63 28.8 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: 100.464 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

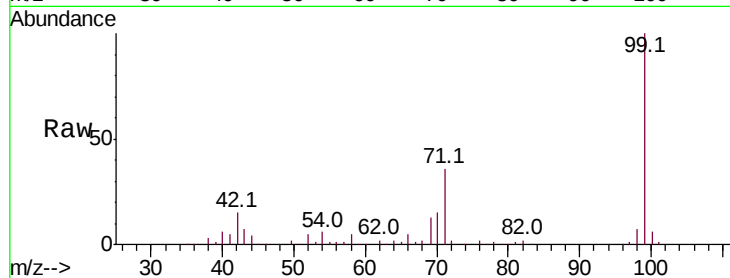
Tot Ion: 99 Resp: 354782

Ion Ratio Lower Upper

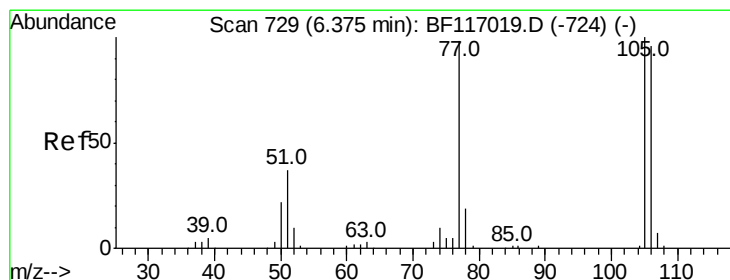
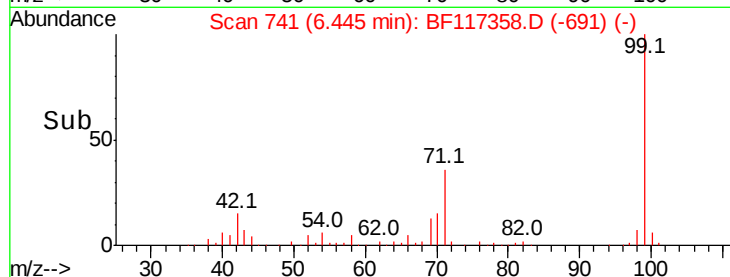
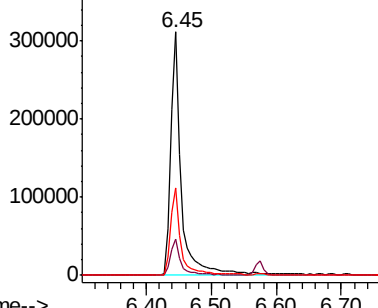
99 100

42 14.7 12.2 18.2

71 35.8 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: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

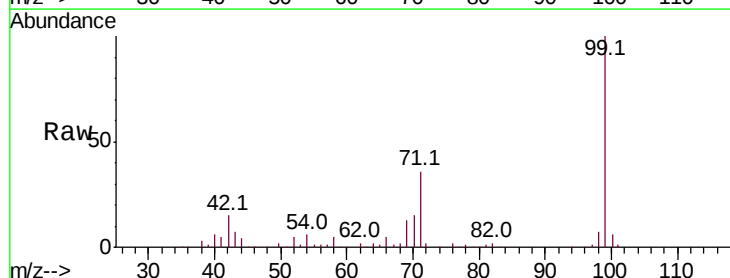
Tgt Ion: 77 Resp: 401

Ion Ratio Lower Upper

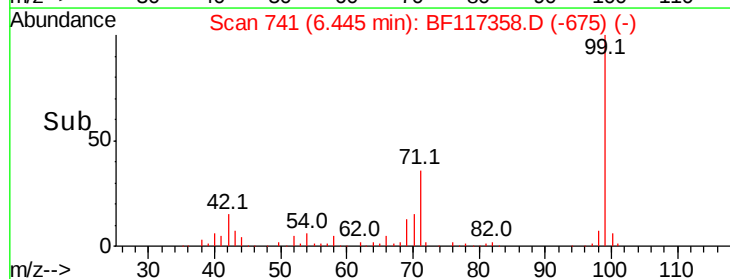
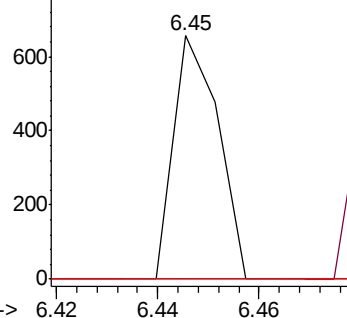
77 100

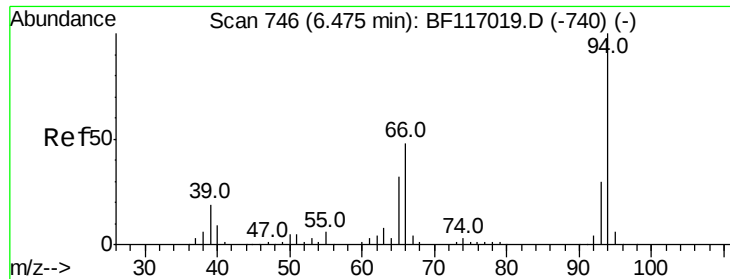
105 0.0 81.8 121.8#

106 0.0 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

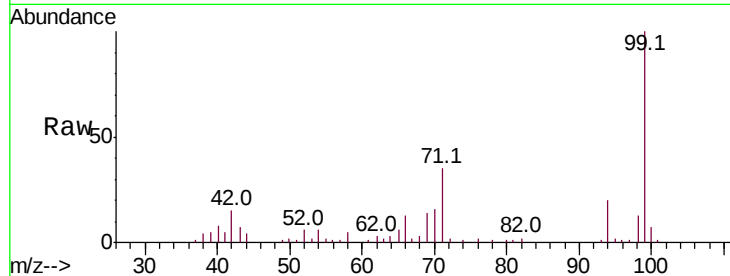




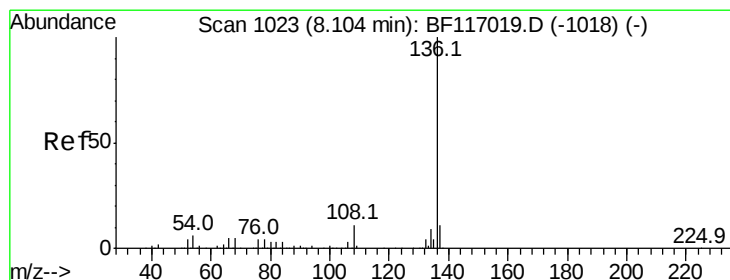
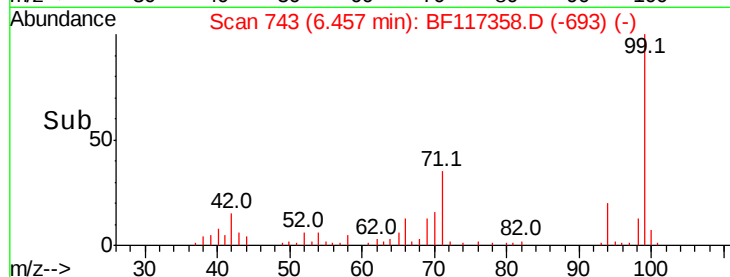
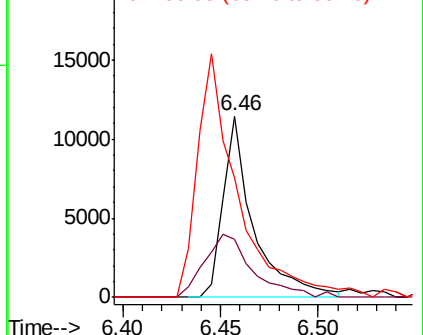
#10
Phenol
Concen: 3.199 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 12454
Ion Ratio Lower Upper
94 100
65 31.9 12.5 52.5
66 65.6 28.9 68.9

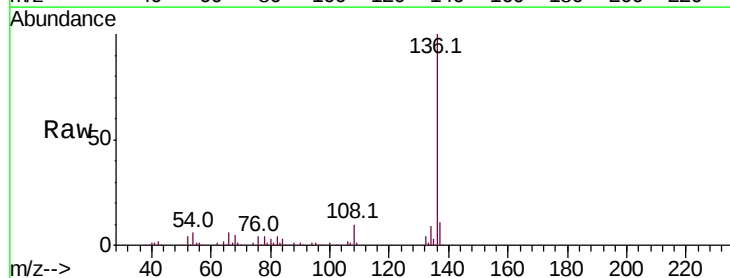


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

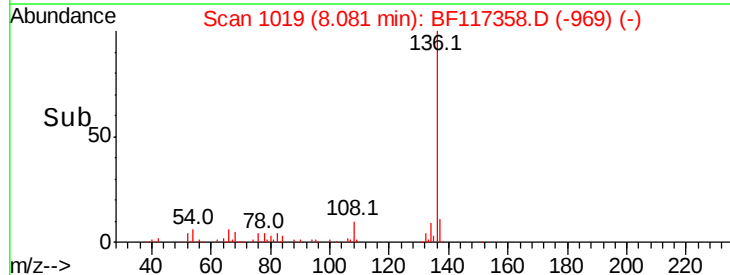
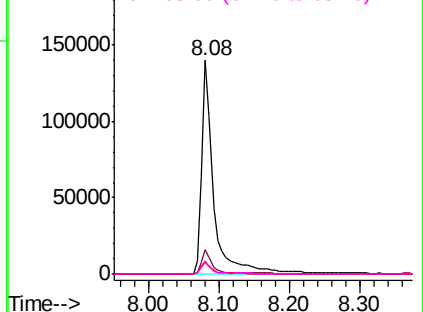


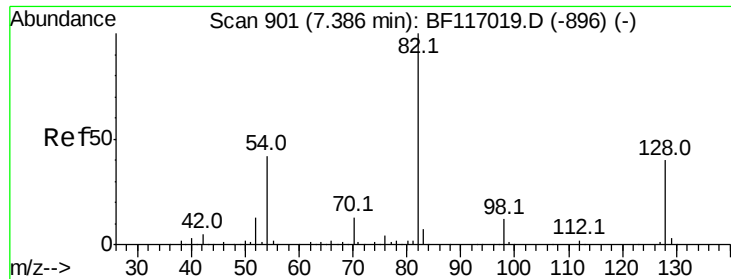
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:136 Resp: 170669
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 6.1 4.5 6.7
68 5.1 4.0 6.0



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

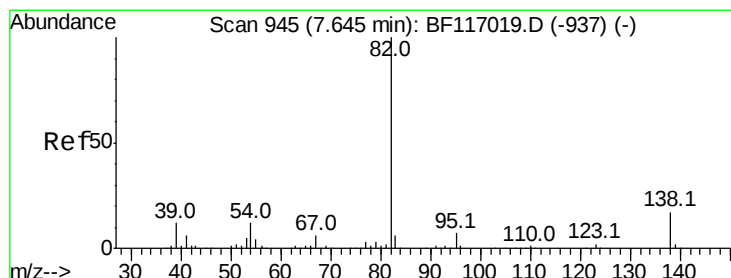
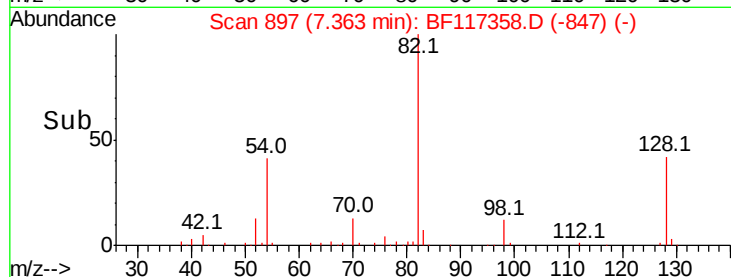
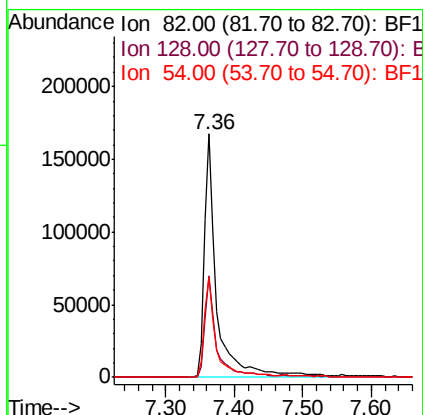
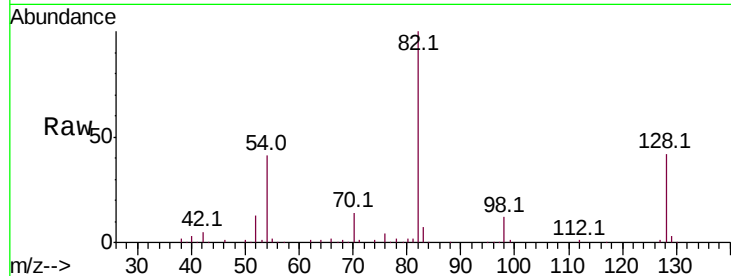




#23
 Nitrobenzene-d5
 Concen: 67.348 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

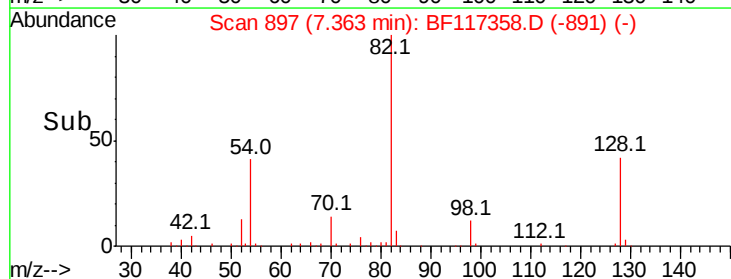
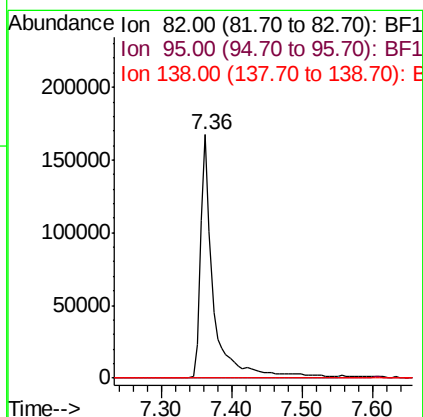
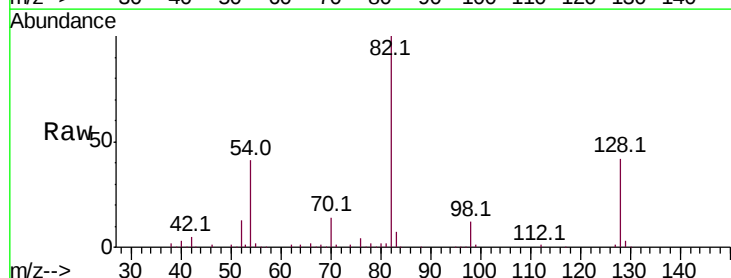
Instrument :
 BNA_F
 ClientSampleId :

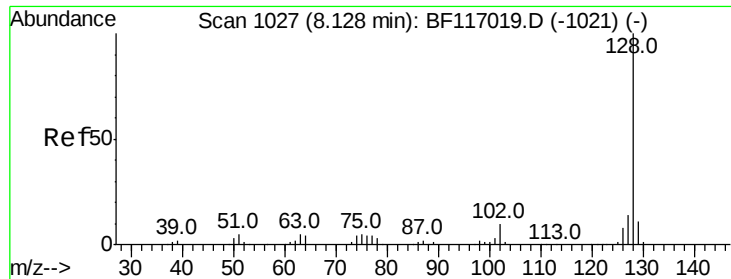
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.3	48.5
54	41.3	33.3	49.9



#25
 Isophorone
 Concen: 38.040 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.8	8.6#
138	0.0	13.5	20.3#

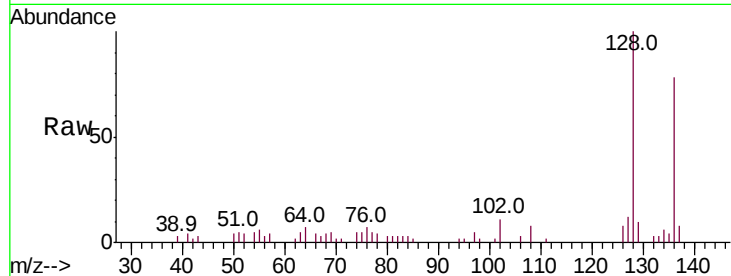




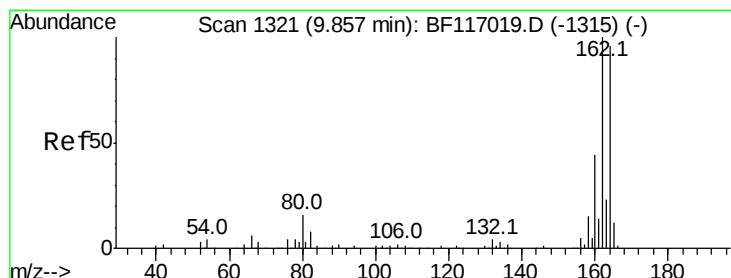
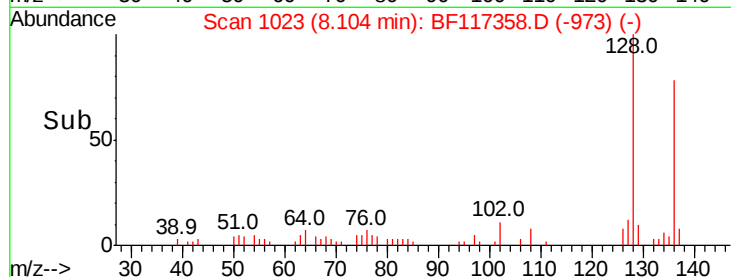
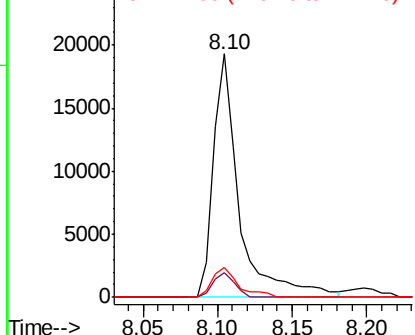
#31
Naphthalene
Concen: 2.840 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 23307
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.4
127 12.2 10.8 16.2

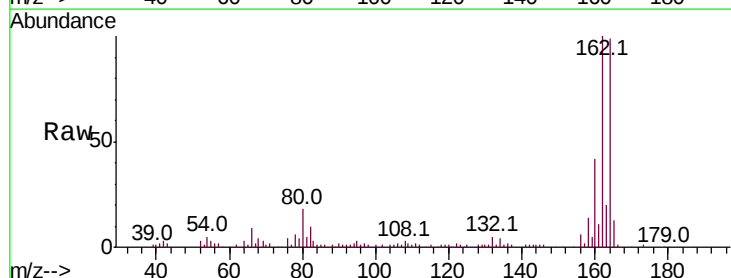


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

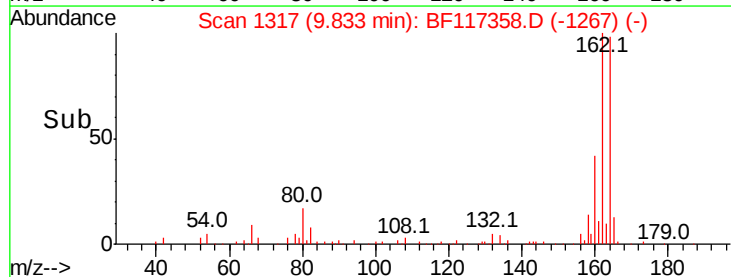
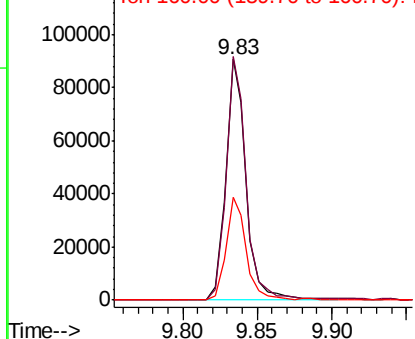


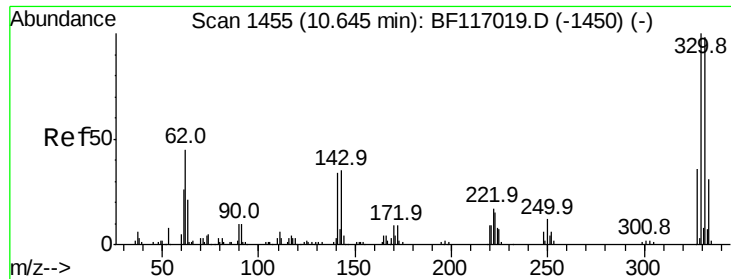
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:164 Resp: 87922
Ion Ratio Lower Upper
164 100
162 101.0 83.4 125.2
160 42.5 36.4 54.6



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

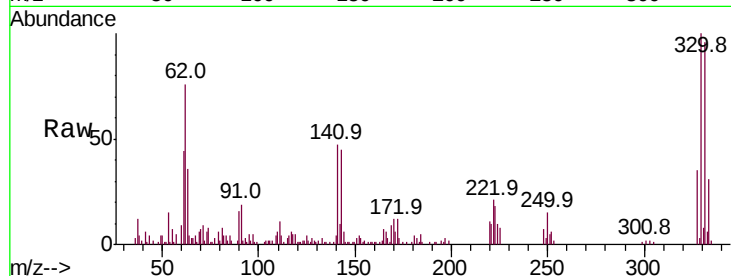




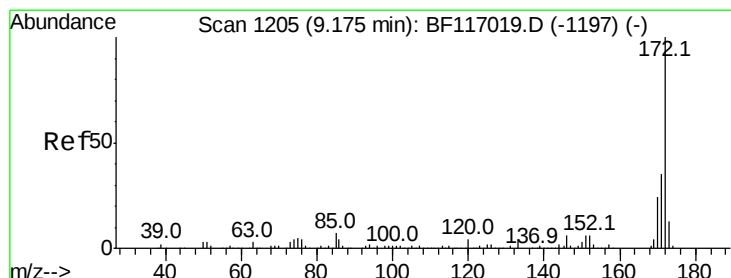
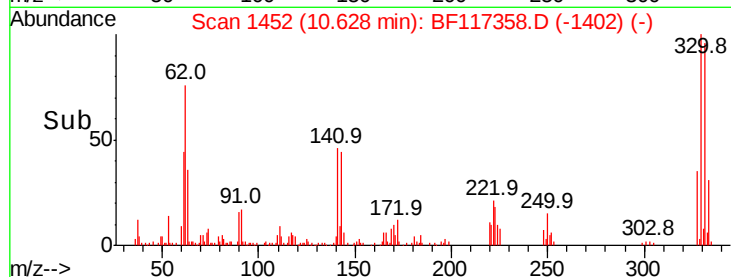
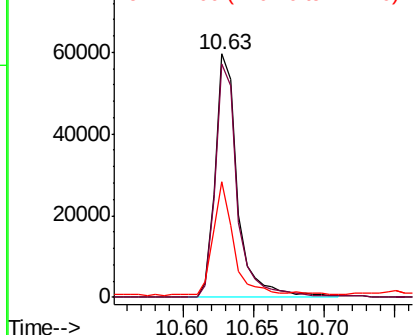
#42
 2,4,6-Tribromophenol
 Concen: 89.670 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 65892
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.0 117.0
 141 41.9 35.8 53.6

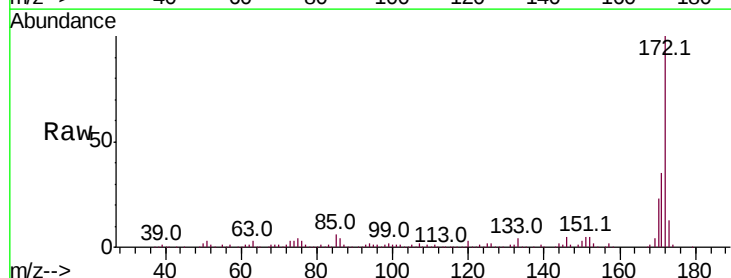


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

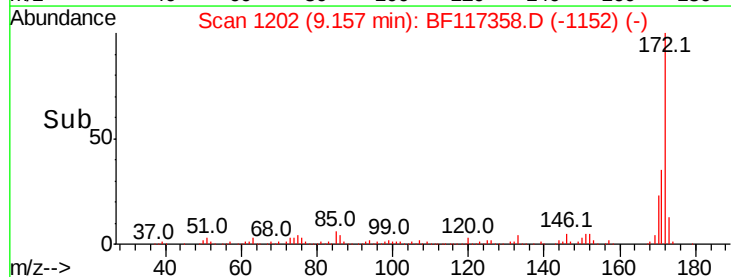
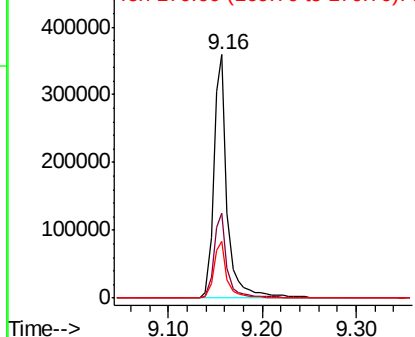


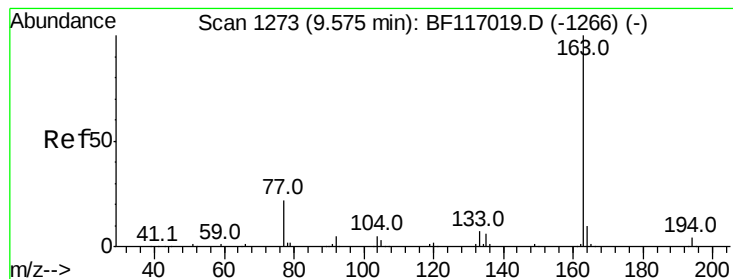
#45
 2-Fluorobiphenyl
 Concen: 64.977 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Tgt Ion:172 Resp: 365373
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.2
 170 23.1 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





#50

Dimethylphthalate

Concen: 8.385 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

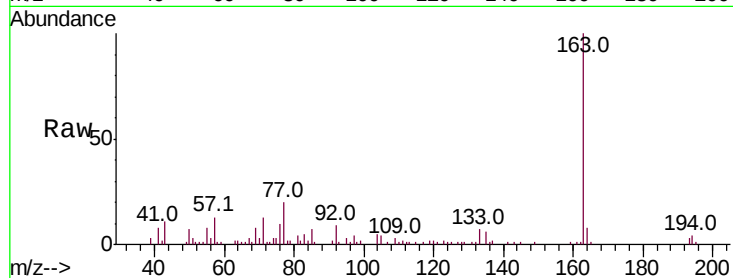
Tot Ion:163 Resp: 52197

Ion Ratio Lower Upper

163 100

194 4.2 2.9 4.3

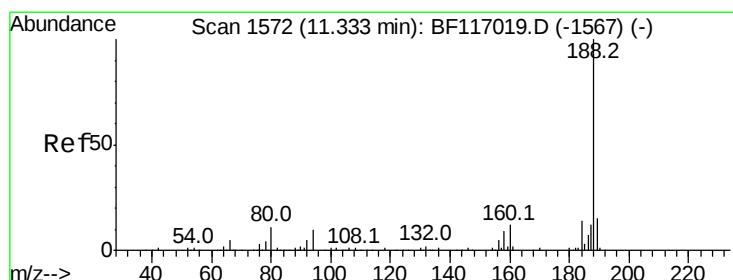
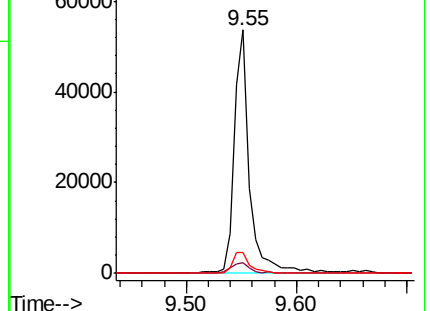
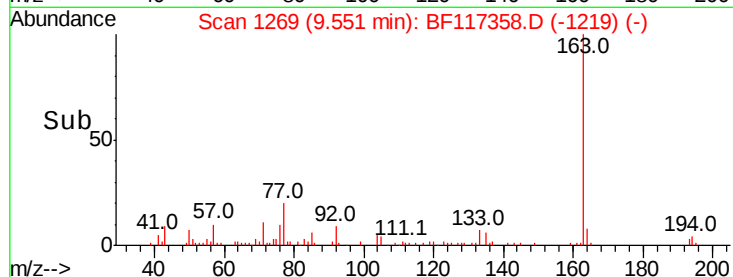
164 8.5 8.2 12.4



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

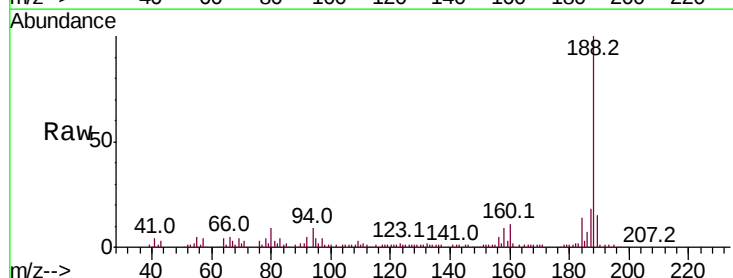
Tgt Ion:188 Resp: 126053

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

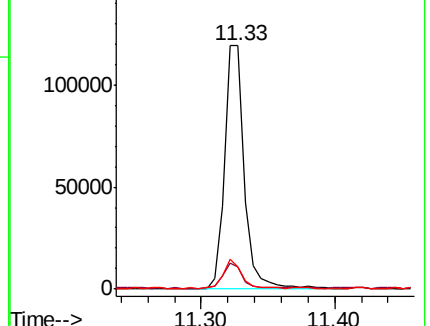
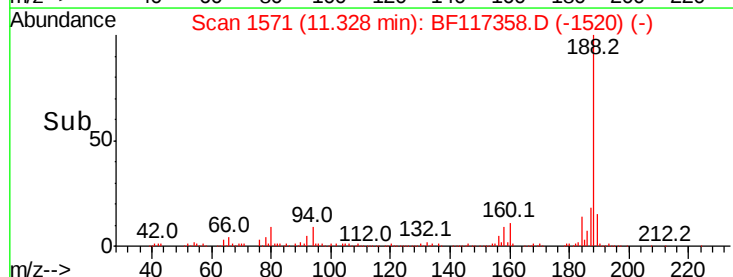
80 9.2 9.0 13.6

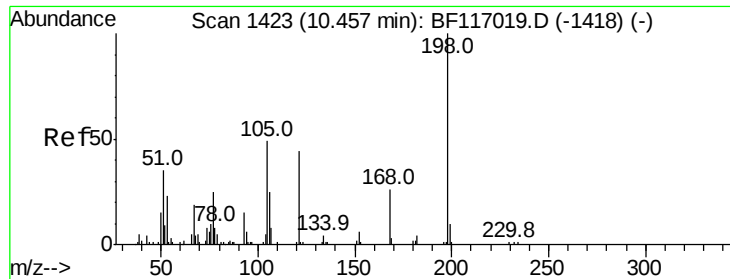


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

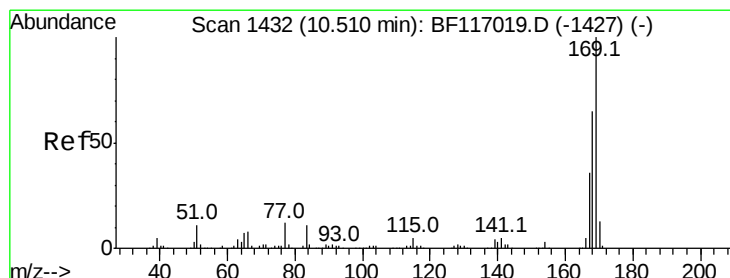
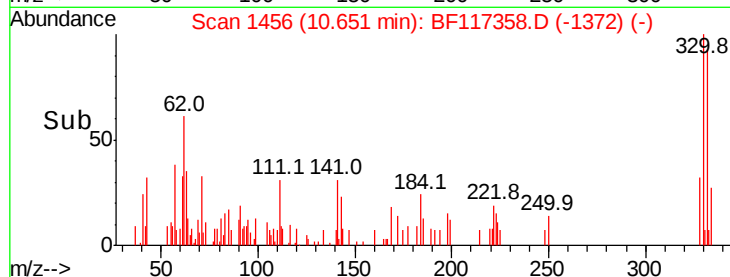
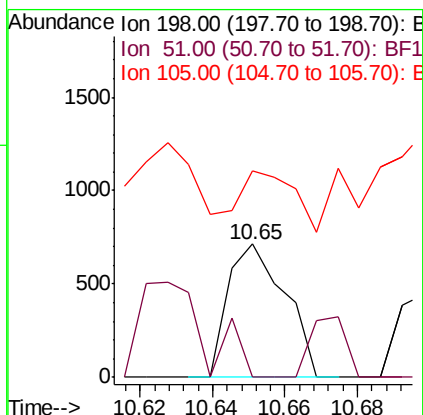
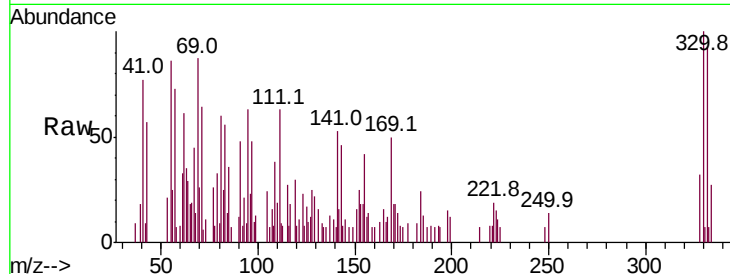




#65
4,6-Dinitro-2-methylphenol
Concen: 8.064 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.19 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

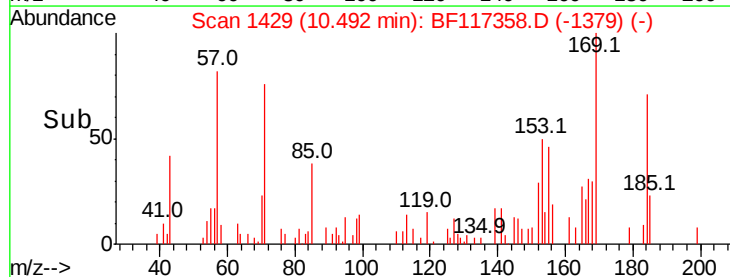
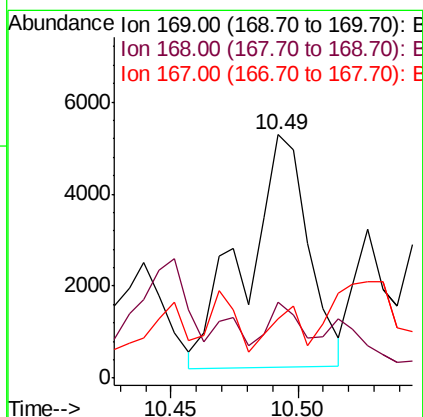
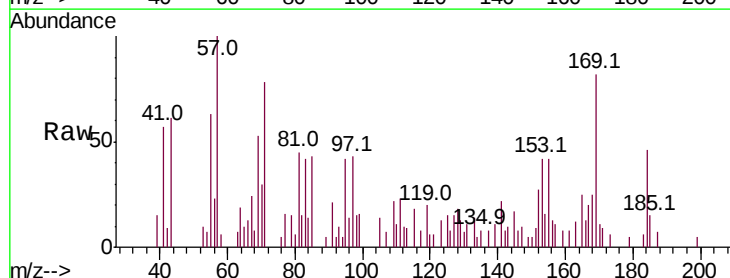
Instrument :
BNA_F
ClientSampleId :

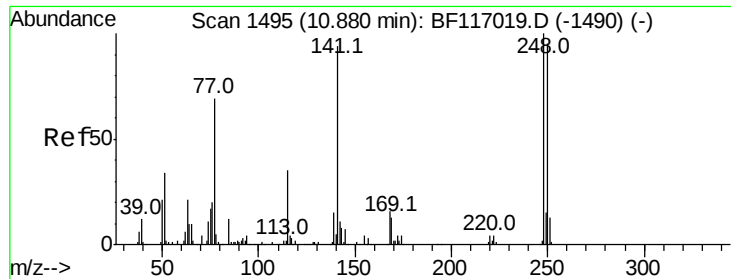
Tot Ion:198 Resp: 779
Ion Ratio Lower Upper
198 100
51 0.0 18.7 58.7#
105 155.4 30.2 70.2#



#66
n-Nitrosodiphenylamine
Concen: 2.007 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:169 Resp: 8737
Ion Ratio Lower Upper
169 100
168 31.0 52.2 78.2#
167 24.4 28.8 43.2#





#67

4-Bromophenyl-phenylether

Concen: 3.227 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

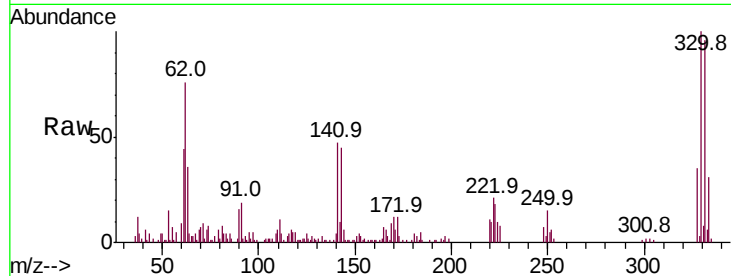
Tot Ion:248 Resp: 4154

Ion Ratio Lower Upper

248 100

250 209.4 76.2 114.4#

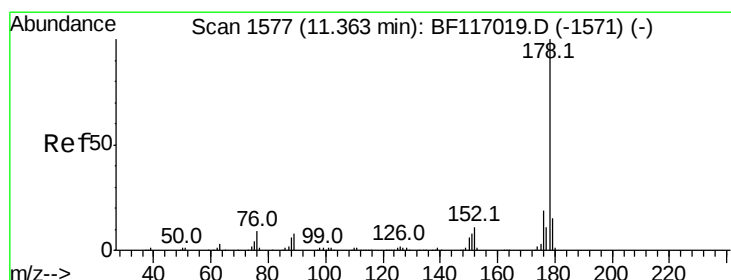
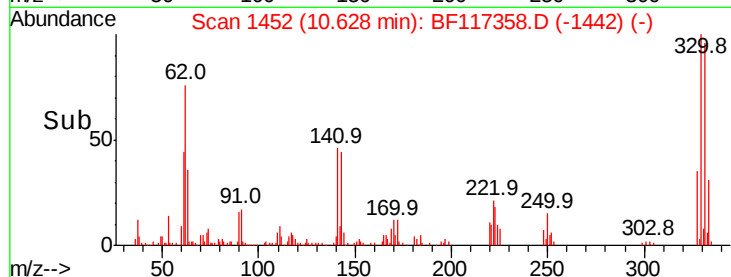
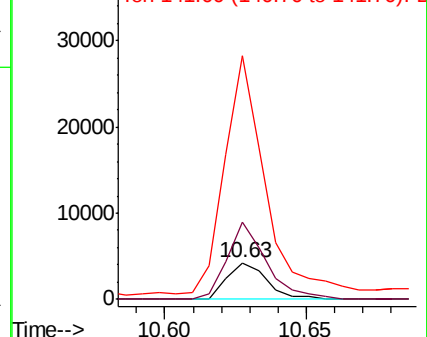
141 664.0 75.0 112.4#



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: 6.829 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

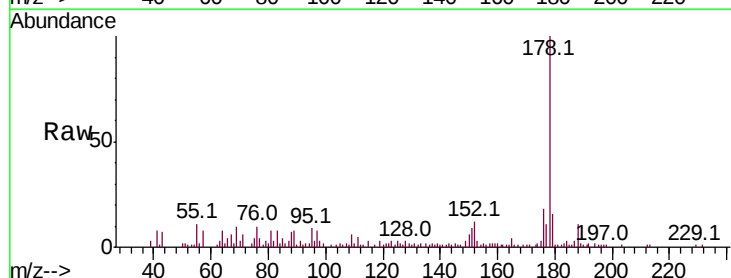
Tgt Ion:178 Resp: 48896

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

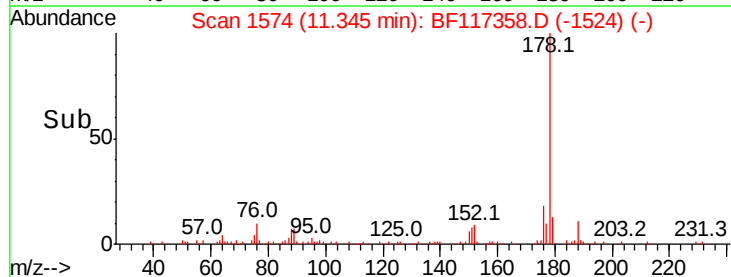
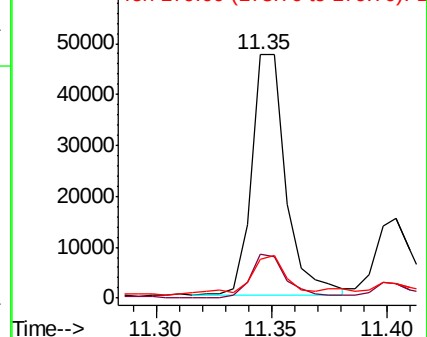
179 16.0 12.4 18.6

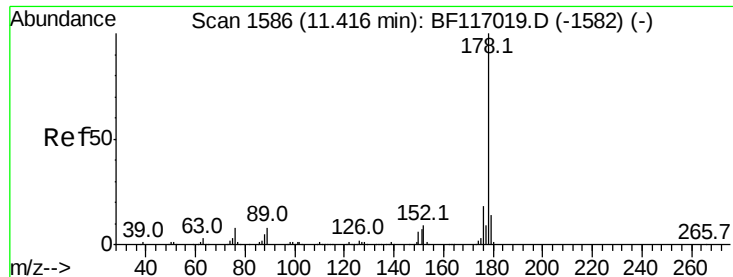


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.689 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.06 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

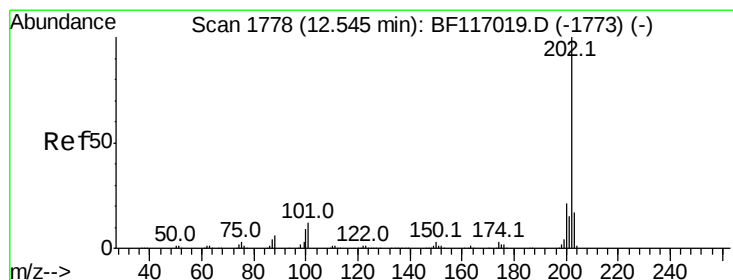
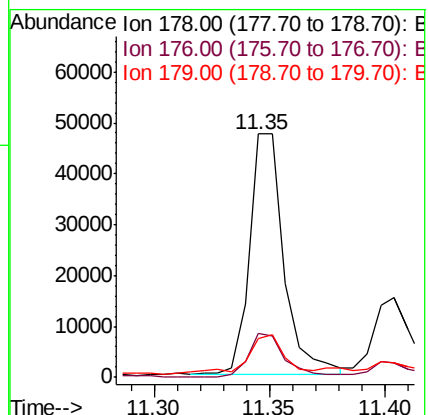
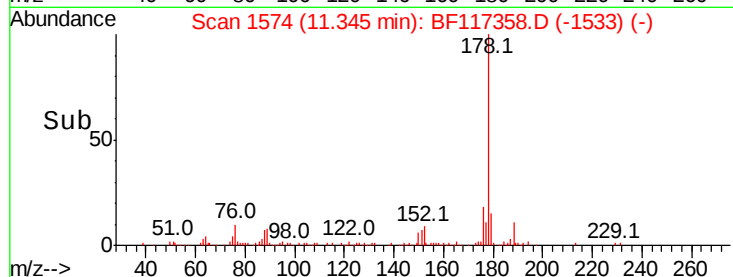
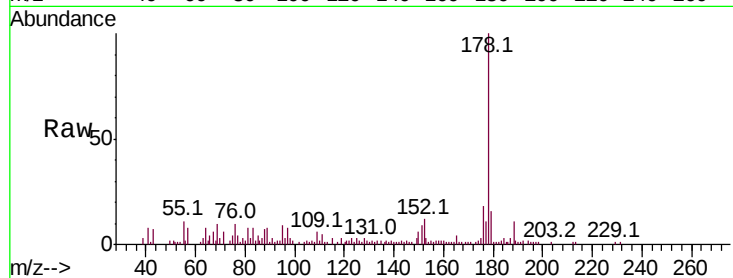
Tot Ion:178 Resp: 48896

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 16.0 11.6 17.4



#75

Fluoranthene

Concen: 10.567 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

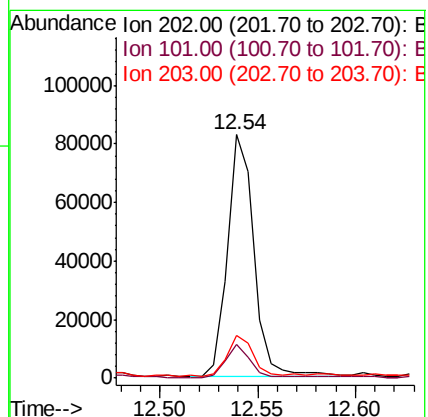
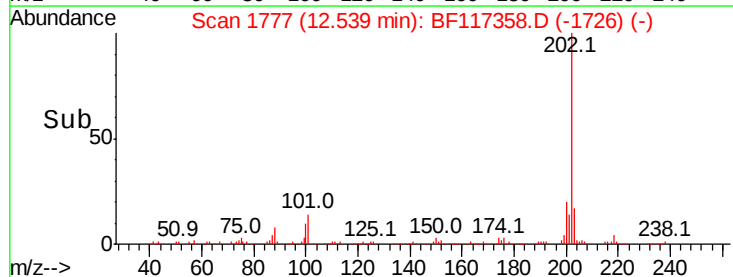
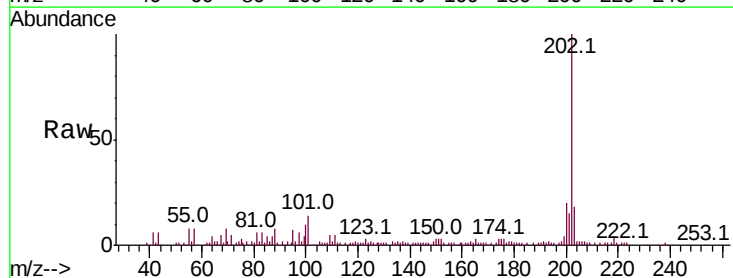
Tgt Ion:202 Resp: 77740

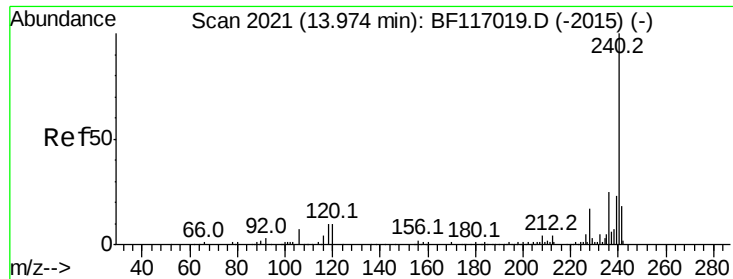
Ion Ratio Lower Upper

202 100

101 13.8 0.0 32.3

203 17.8 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampleId :

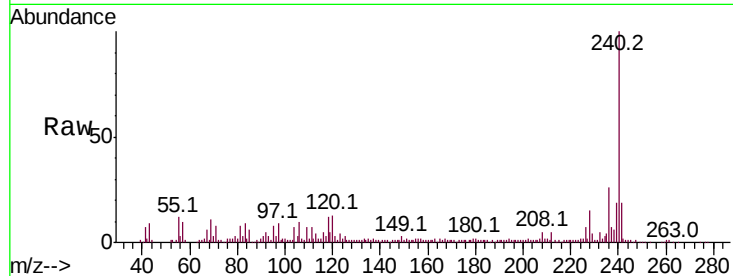
Tot Ion:240 Resp: 94210

Ion Ratio Lower Upper

240 100

120 12.6 8.3 12.5#

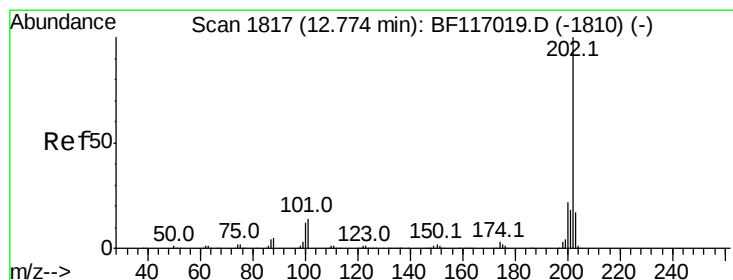
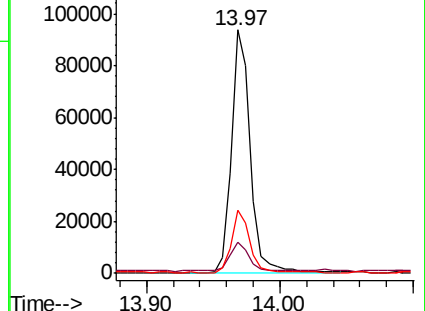
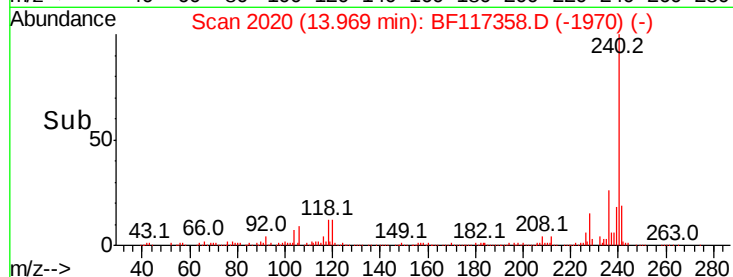
236 25.9 20.3 30.5



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

Pyrene

Concen: 10.012 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

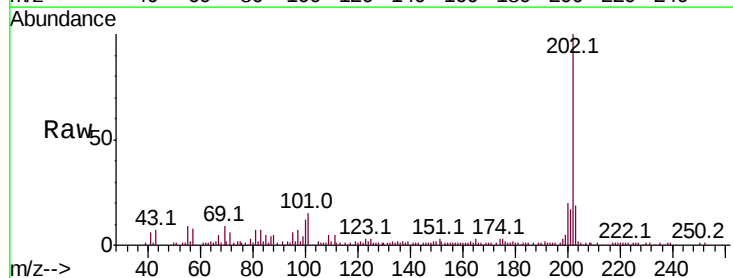
Tgt Ion:202 Resp: 79142

Ion Ratio Lower Upper

202 100

200 19.6 17.2 25.8

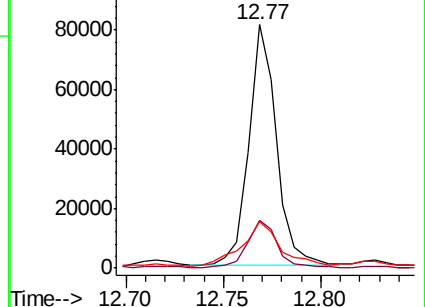
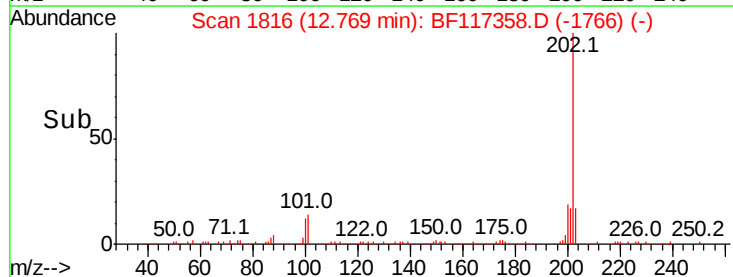
203 18.9 14.0 21.0

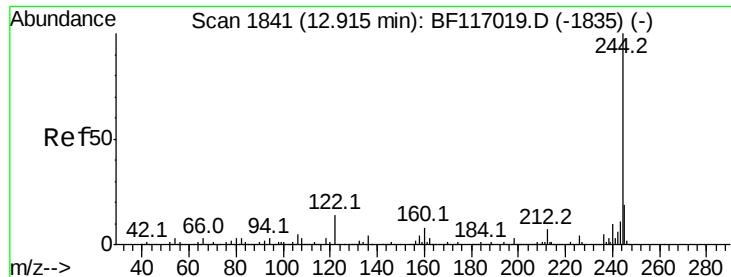


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

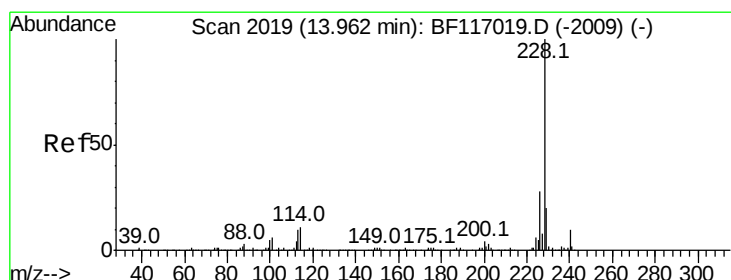
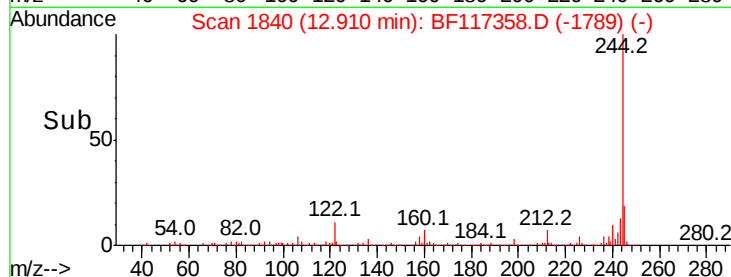
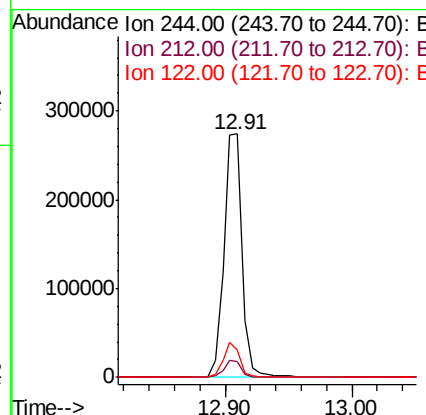
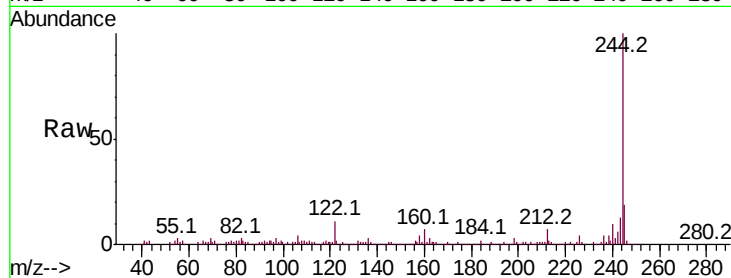




#79
 Terphenyl-d14
 Concen: 54.625 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

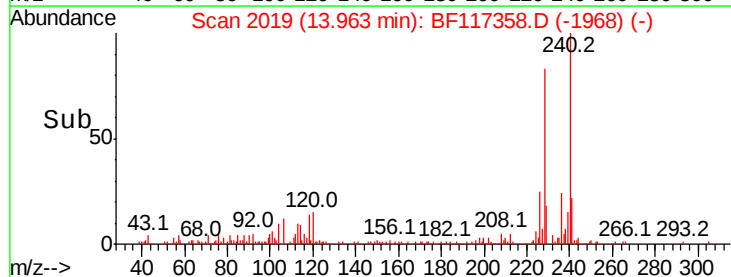
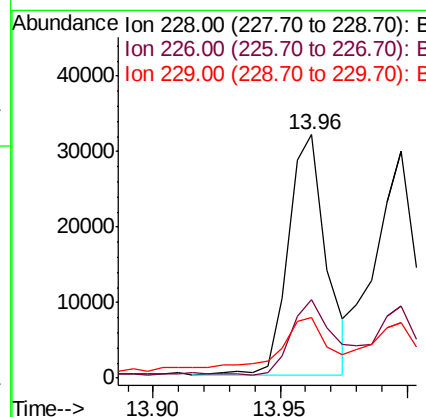
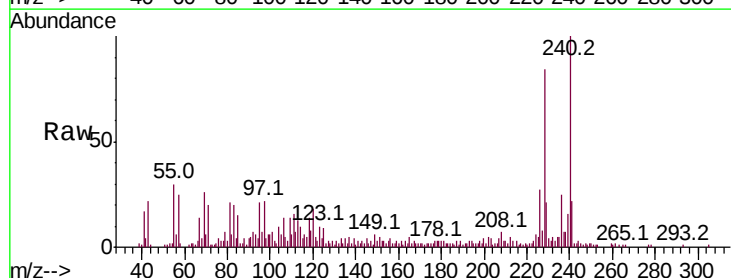
Instrument :
 BNA_F
 ClientSampleId :

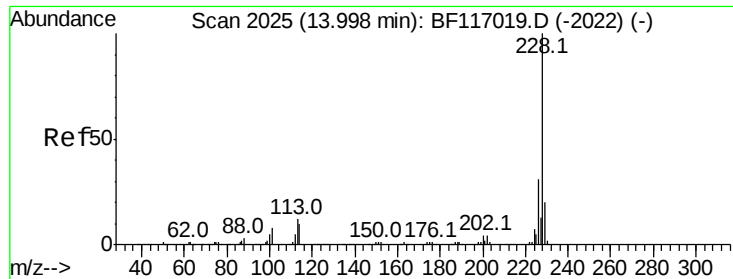
Tot Ion:244 Resp: 275312
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 11.2 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 5.271 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Tgt Ion:228 Resp: 33180
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.3 33.5
 229 24.9 15.9 23.9#

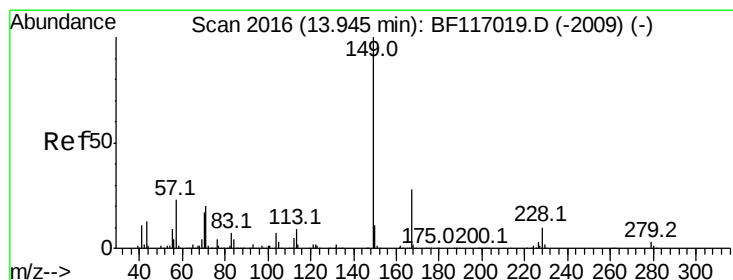
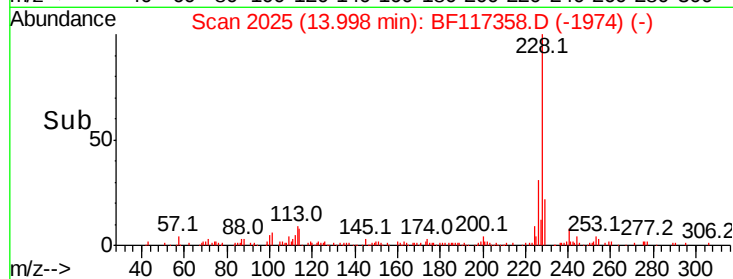
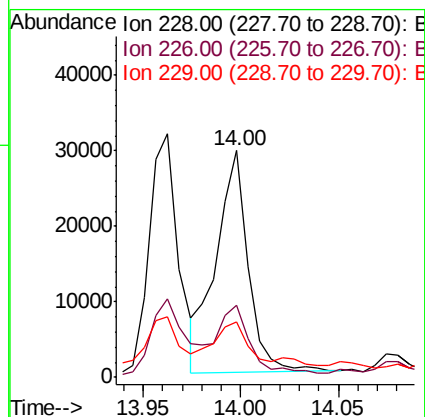
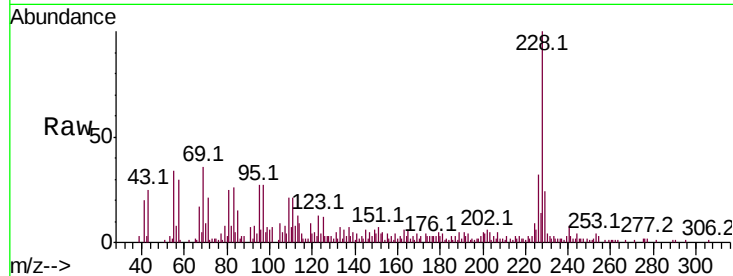




#83
Chrysene
Concen: 5.460 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

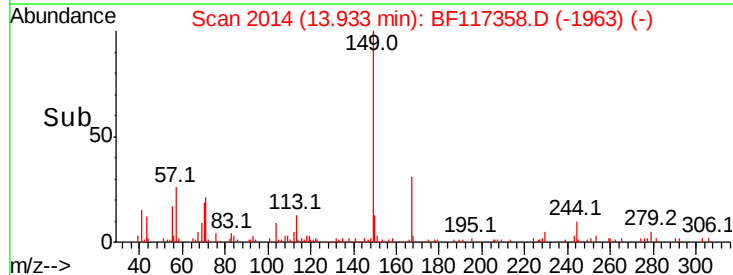
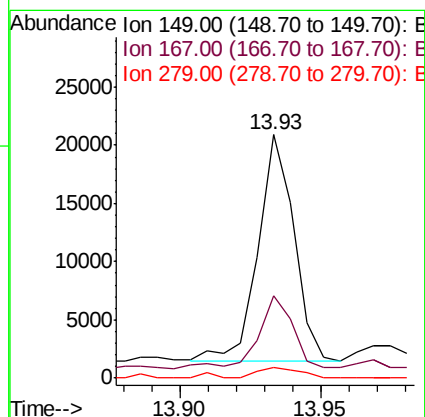
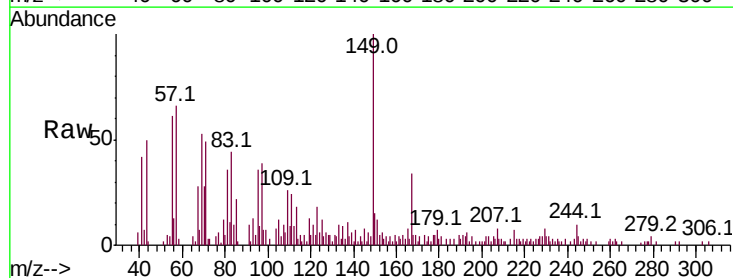
Instrument :
BNA_F
ClientSampleId :

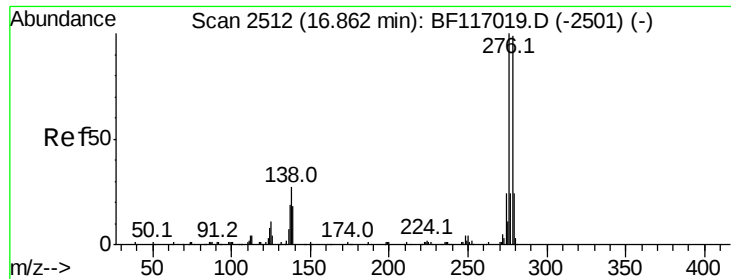
Tot Ion:228 Resp: 33518
Ion Ratio Lower Upper
228 100
226 32.0 24.8 37.2
229 24.4 15.8 23.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.558 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion:149 Resp: 17134
Ion Ratio Lower Upper
149 100
167 33.6 22.2 33.2#
279 4.3 2.8 4.2#

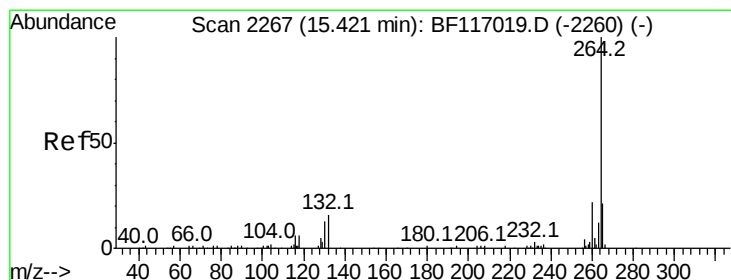
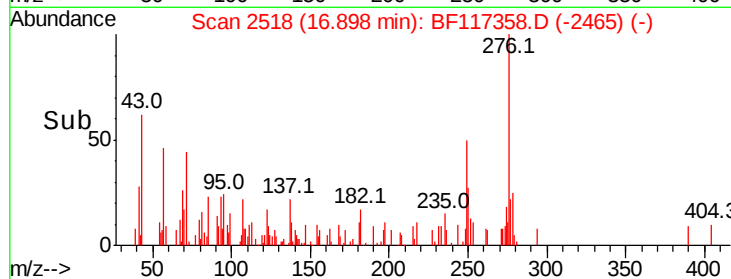
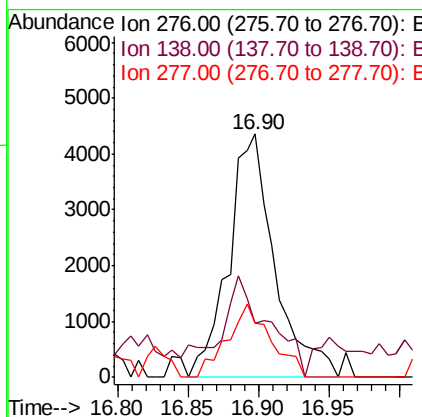
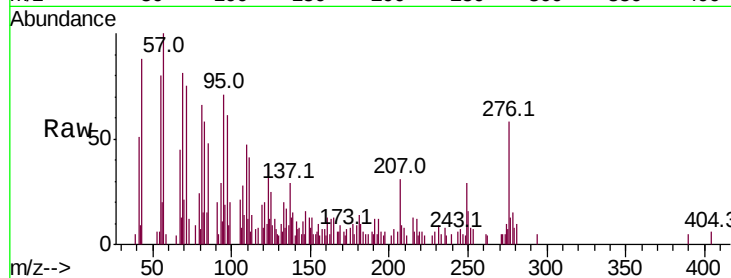




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.222 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

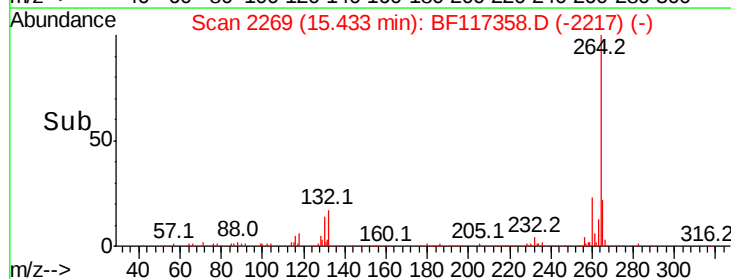
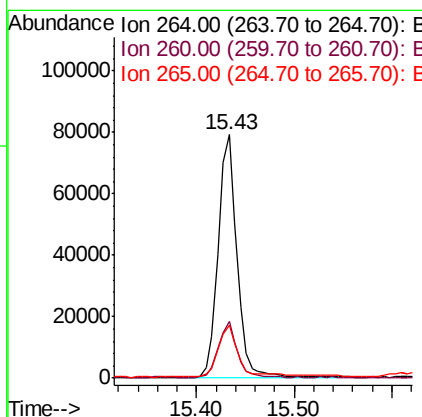
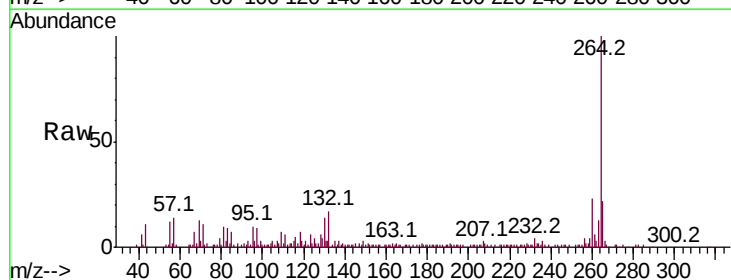
Instrument :
 BNA_F
 ClientSampleId :

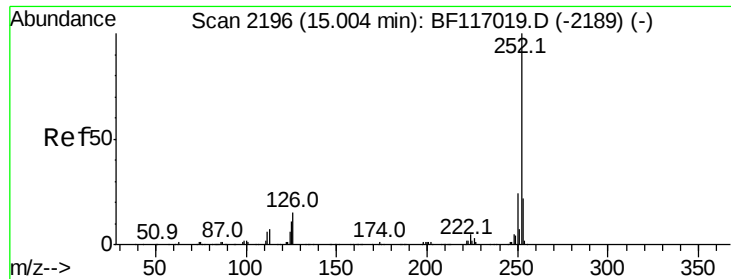
Tot Ion:276 Resp: 9951
 Ion Ratio Lower Upper
 276 100
 138 44.3 20.7 31.1#
 277 28.5 19.8 29.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117358.D
 Acq: 9 Oct 2019 16:38

Tgt Ion:264 Resp: 107770
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.6 26.4
 265 22.0 16.6 24.8

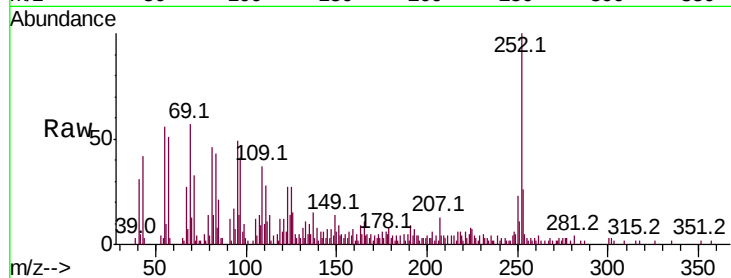




#88
Benzo(b)fluoranthene
Concen: 5.659 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	26.9	8.6	12.8#

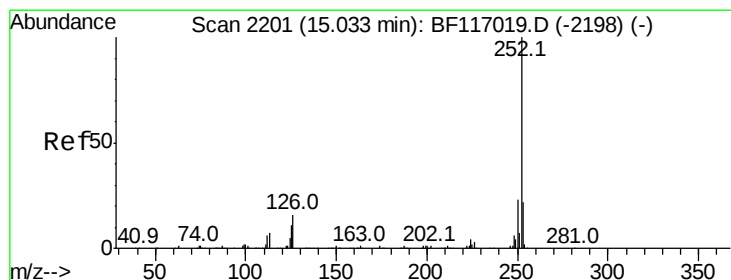
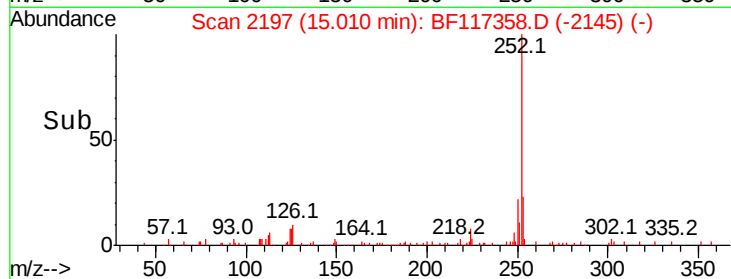
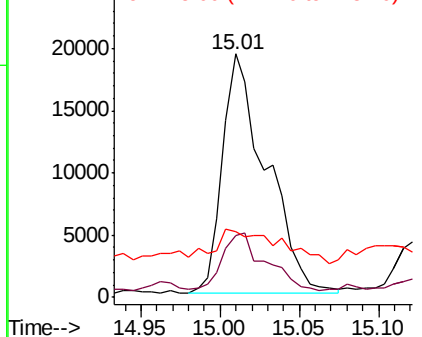


Abundance

Ion 252.00 (251.70 to 252.70): E

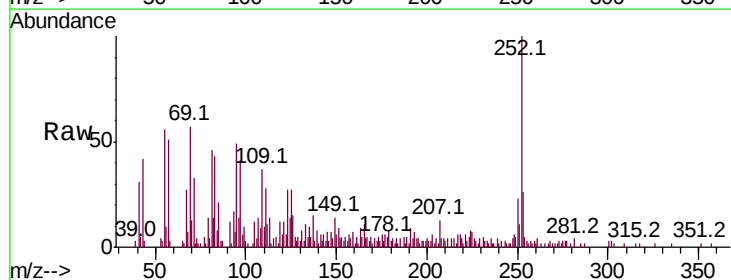
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.974 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117358.D
Acq: 9 Oct 2019 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.2
125	26.9	8.8	13.2#

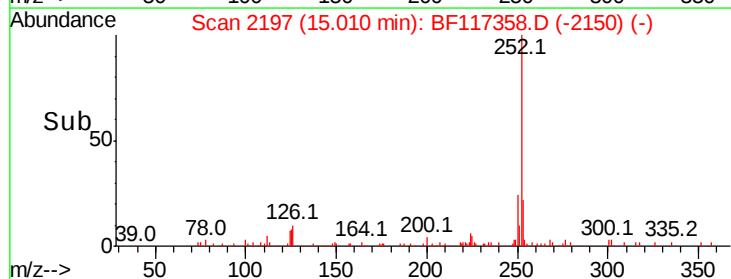
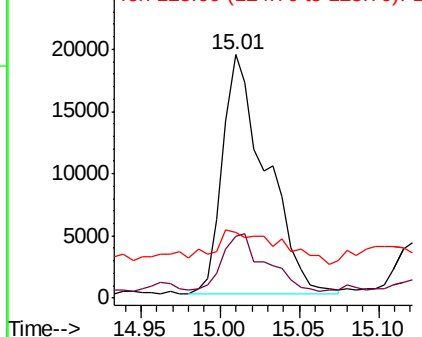


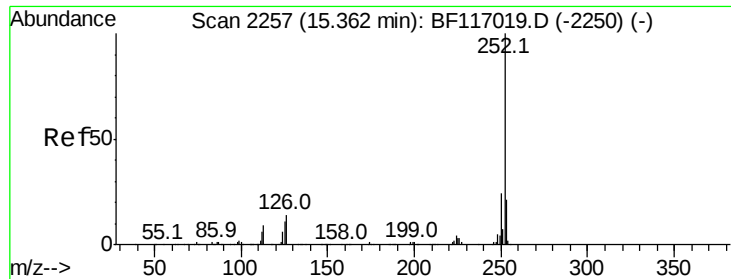
Abundance

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: 3.824 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

Instrument :

BNA_F

ClientSampled :

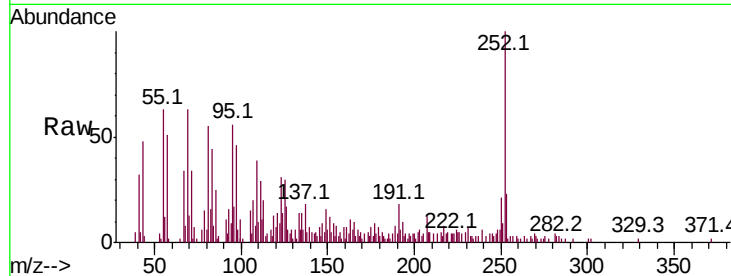
Tot Ion:252 Resp: 21906

Ion Ratio Lower Upper

252 100

253 22.9 16.6 25.0

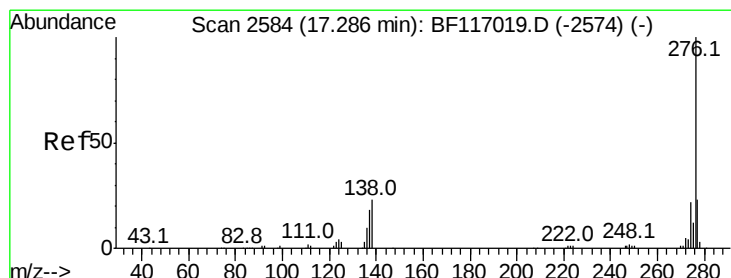
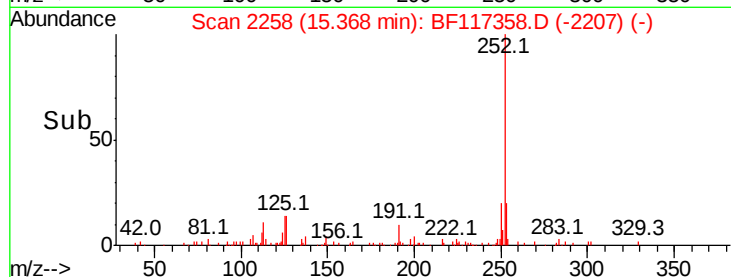
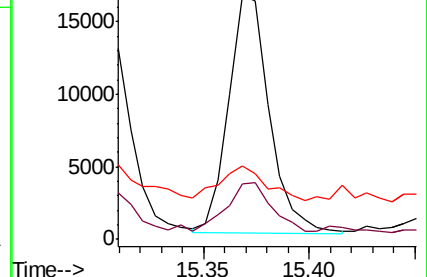
125 30.0 8.9 13.3#



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: 2.094 ng

RT: 17.33 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BF117358.D

Acq: 9 Oct 2019 16:38

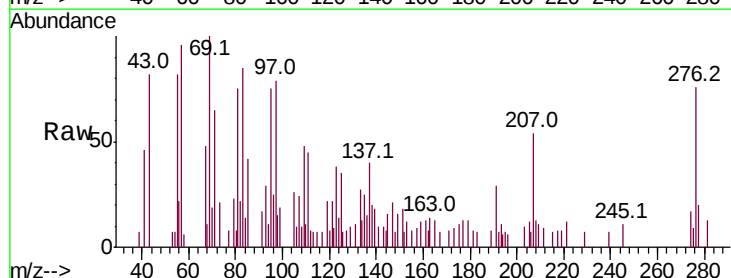
Tgt Ion:276 Resp: 9522

Ion Ratio Lower Upper

276 100

277 25.9 18.6 27.8

138 26.5 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

