

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112787.D
 Acq On : 1 Mar 2019 3:11
 Operator : JU/SJ
 Sample : K1650-08 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 16:08:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	172266	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	622354	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	243660	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	454719	20.00	ng	0.00
76) Chrysene-d12	13.87	240	479331	20.00	ng	0.00
87) Perylene-d12	15.29	264	396004	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	55326	5.00	ng	0.00
7) Phenol-d6	6.36	99	93330	6.71	ng	0.00
23) Nitrobenzene-d5	7.30	82	52371	5.04	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	7749	3.00	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	97259	3.92	ng	0.00
79) Terphenyl-d14	12.83	244	100763	4.08	ng	0.00

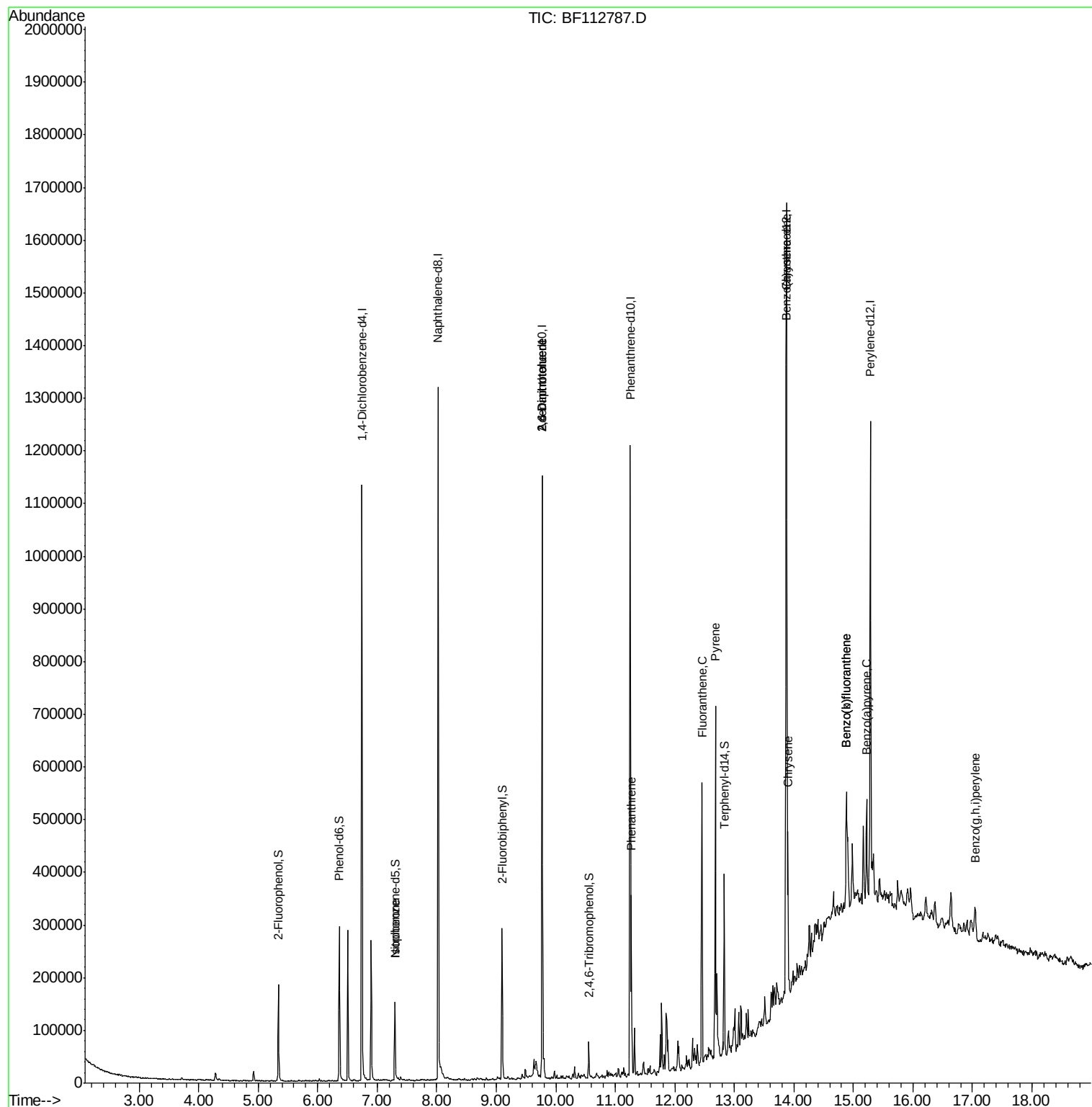
Target Compounds				Qvalue		
25) Isophorone	7.30	82	52370	2.337	ng	# 66
51) 2,6-Dinitrotoluene	9.77	165	31421	8.398	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	31421	6.756	ng	# 17
71) Phenanthrene	11.27	178	127473	5.634	ng	95
75) Fluoranthene	12.46	202	218352	9.008	ng	95
78) Pyrene	12.68	202	252396	6.246	ng	99
81) Benzo(a)anthracene	13.86	228	125438	3.776	ng	99
83) Chrysene	13.90	228	114203	3.510	ng	98
88) Benzo(b)fluoranthene	14.88	252	166663	6.507	ng	99
89) Benzo(k)fluoranthene	14.88	252	166663	7.183	ng	100
90) Benzo(a)pyrene	15.22	252	89946	3.970	ng	99
92) Benzo(a,h,i)perylene	17.04	276	42073	2.167	ng	97

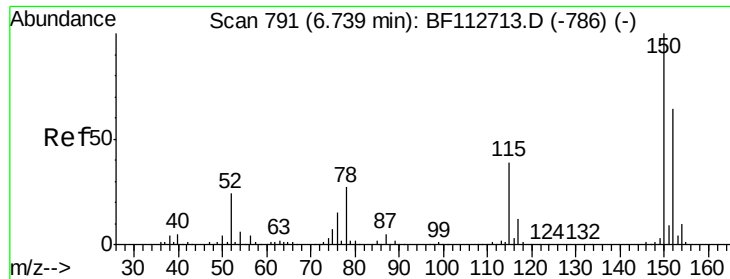
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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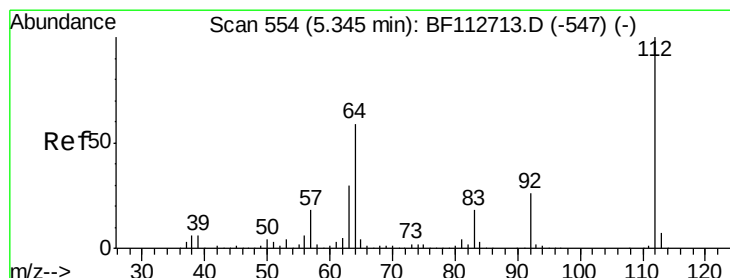
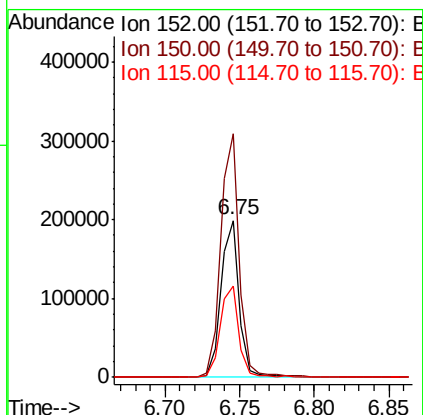
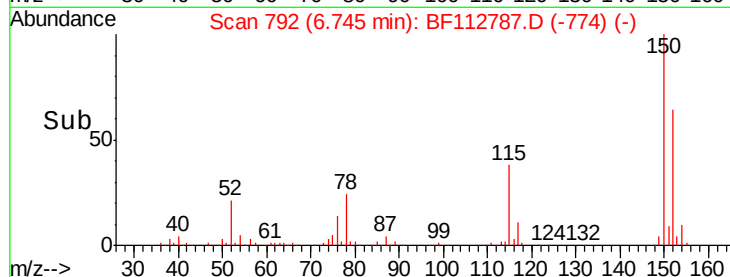
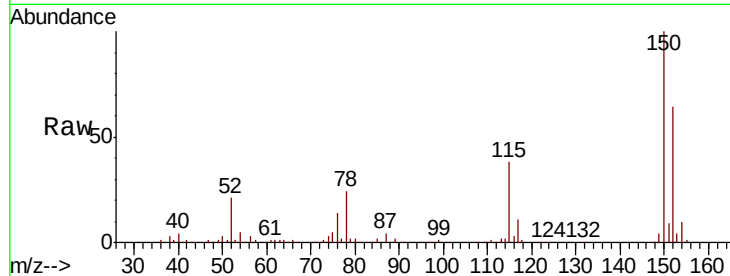


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :

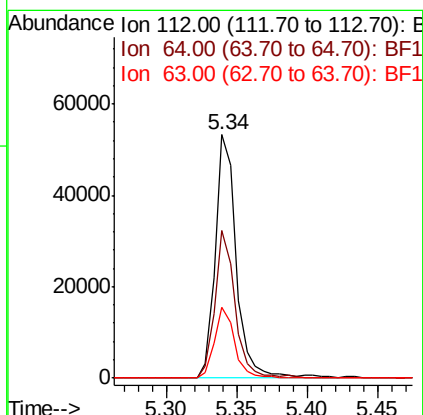
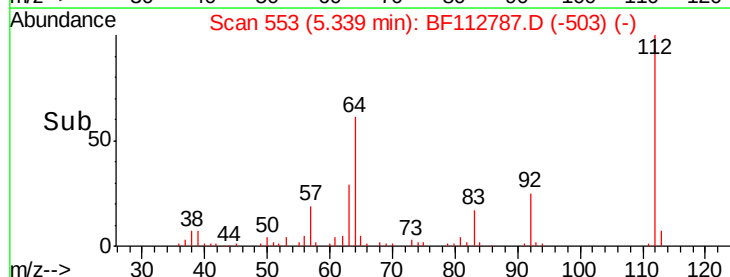
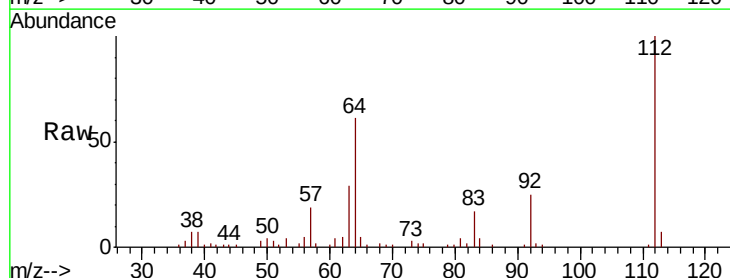
Tot Ion:152 Resp: 172266
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.2
115 58.5 48.2 72.4

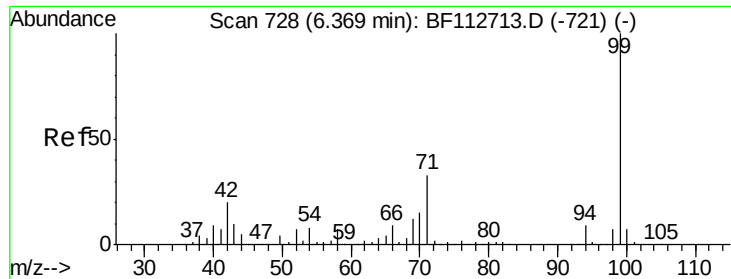


#5

2-Fluorophenol
Concen: 4.996 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:112 Resp: 55326
Ion Ratio Lower Upper
112 100
64 60.6 47.6 71.4
63 28.9 24.4 36.6





#7

Phenol-d6

Concen: 6.709 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampled :

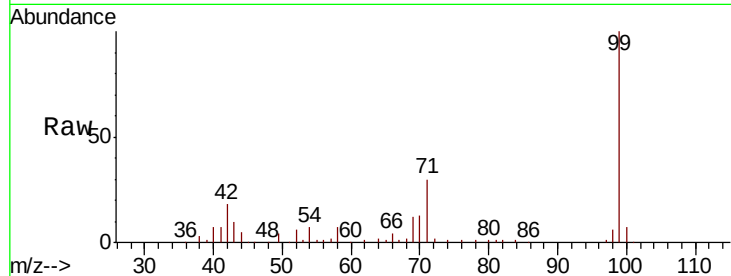
Tot Ion: 99 Resp: 93330

Ion Ratio Lower Upper

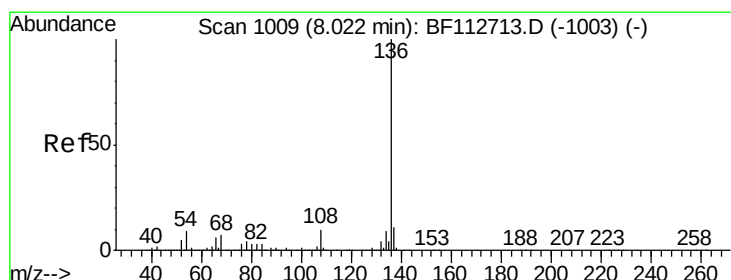
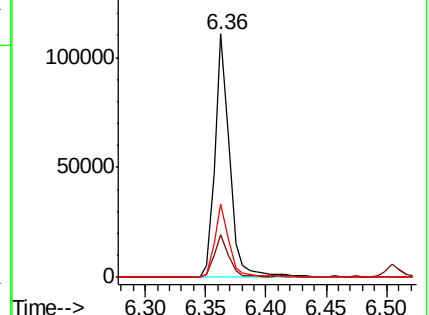
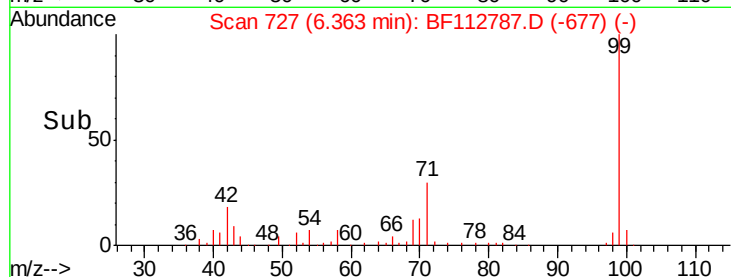
99 100

42 17.6 16.3 24.5

71 29.9 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Tgt Ion: 136 Resp: 622354

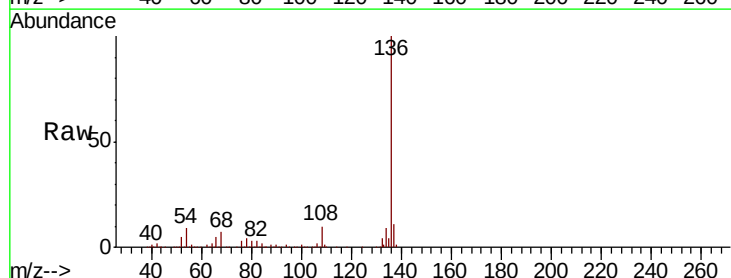
Ion Ratio Lower Upper

136 100

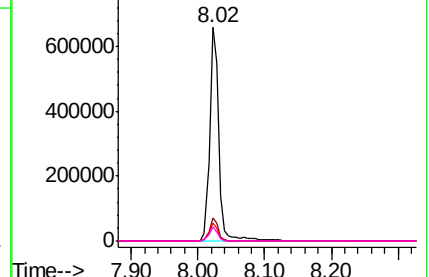
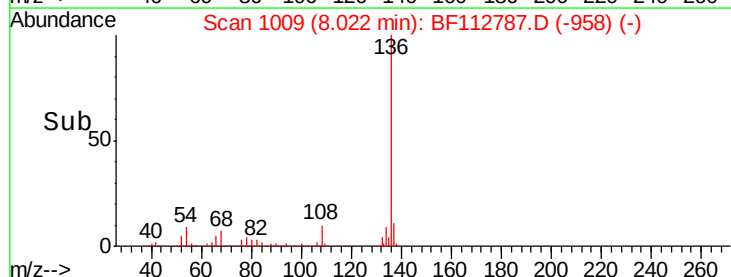
137 11.0 8.9 13.3

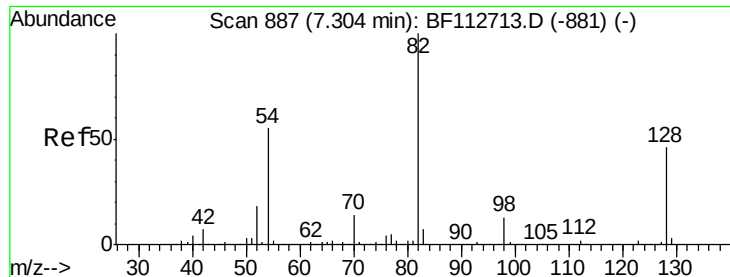
54 8.6 7.3 10.9

68 6.6 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

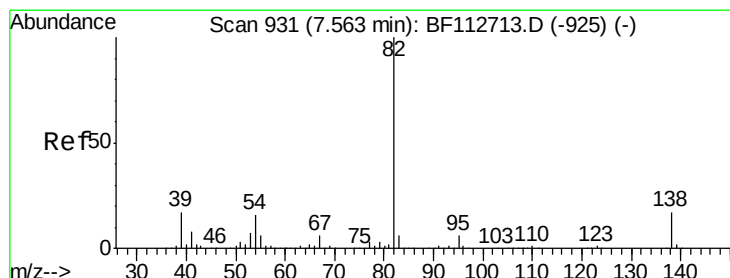
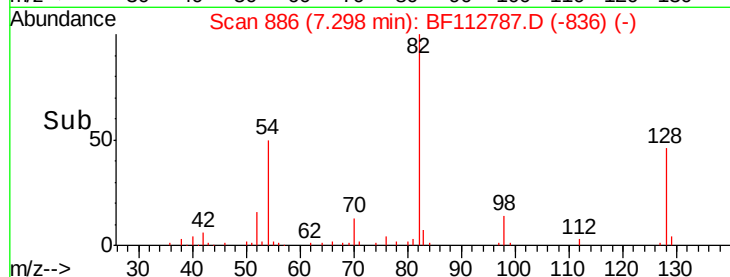
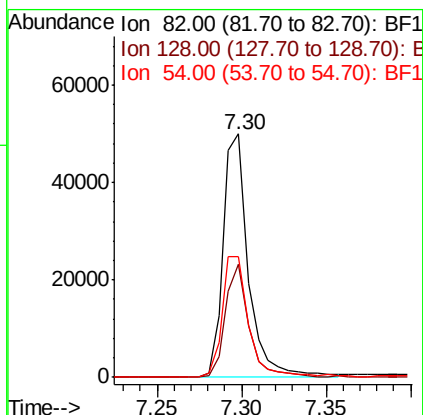
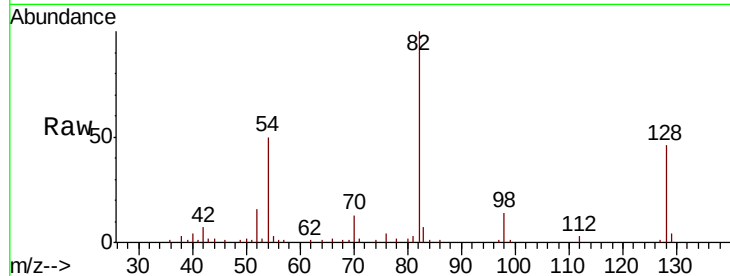




#23
Nitrobenzene-d5
Concen: 5.035 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

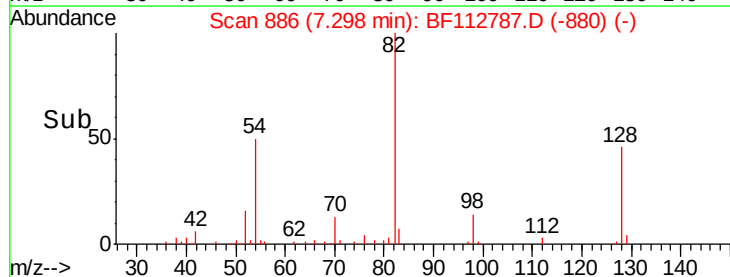
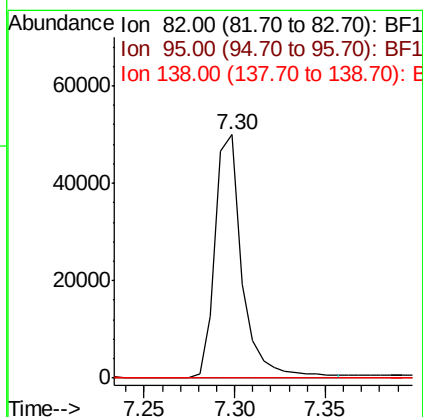
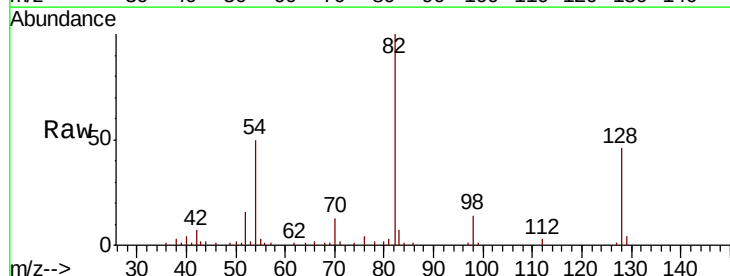
Instrument :
BNA_F
ClientSampleId :

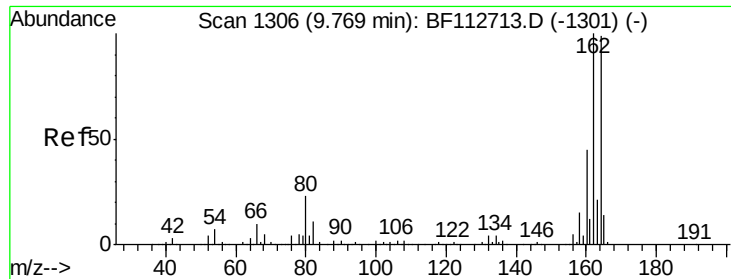
Tot Ion: 82 Resp: 52371
Ion Ratio Lower Upper
82 100
128 46.5 36.3 54.5
54 49.8 43.7 65.5



#25
Isophorone
Concen: 2.337 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion: 82 Resp: 52370
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

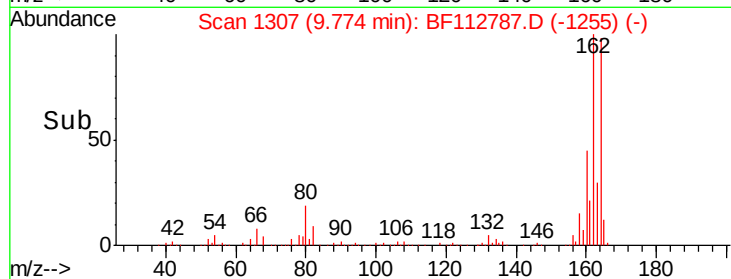
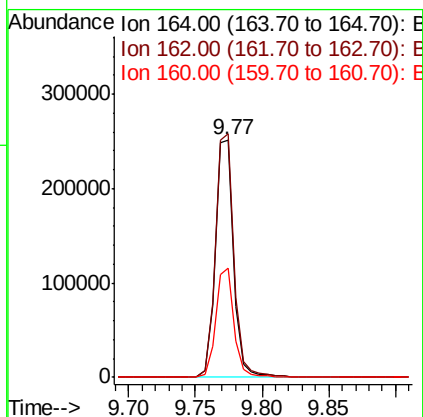
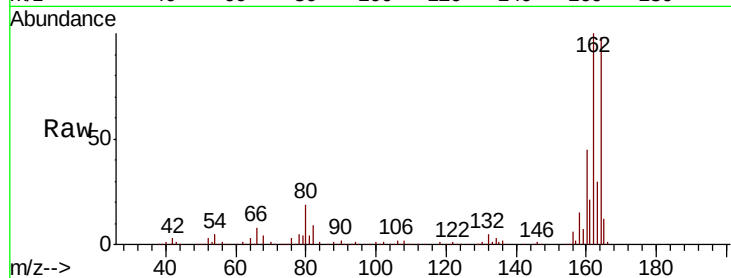




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

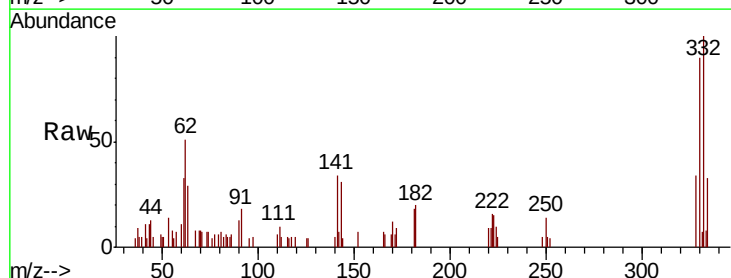
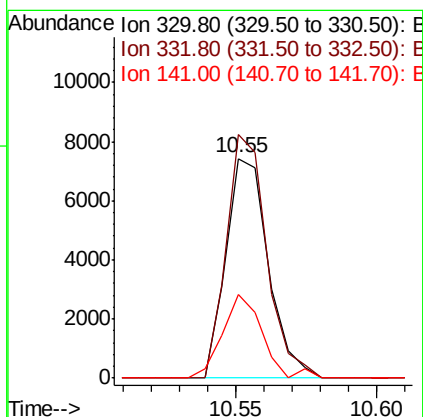
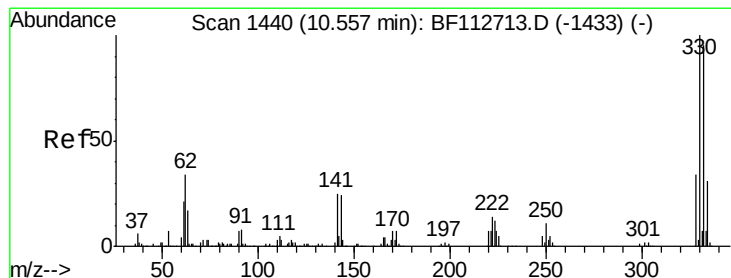
Instrument :
 BNA_F
 ClientSampleId :

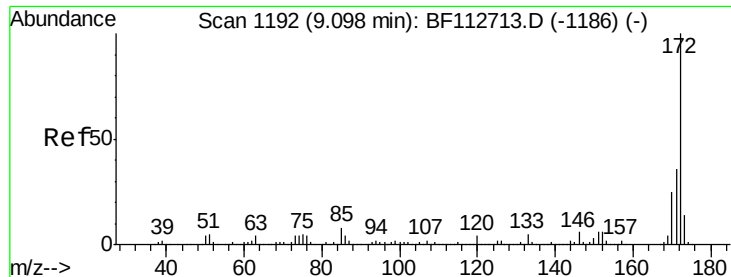
Tot Ion:164 Resp: 243660
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.6 120.8
 160 45.9 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 2.996 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion:330 Resp: 7749
 Ion Ratio Lower Upper
 330 100
 332 105.1 76.2 114.4
 141 35.5 27.0 40.6

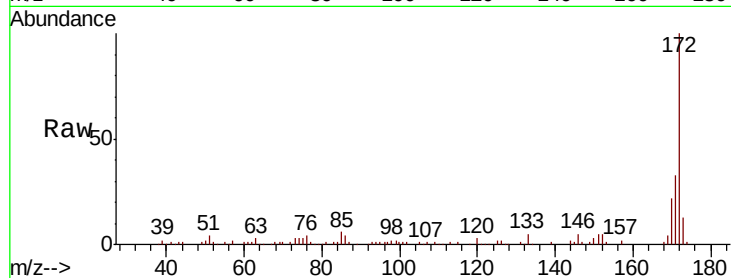




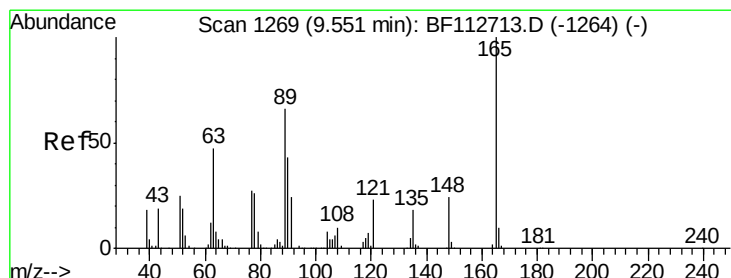
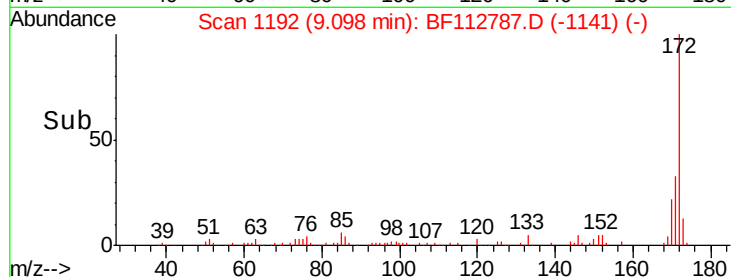
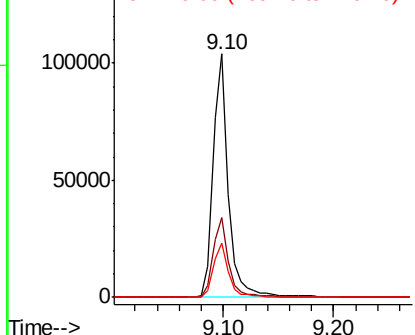
#45
2-Fluorobiphenyl
Concen: 3.919 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 97259
Ion Ratio Lower Upper
172 100
171 32.7 29.0 43.4
170 22.4 20.0 30.0

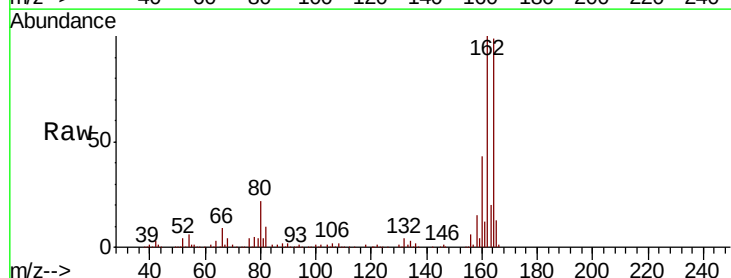


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

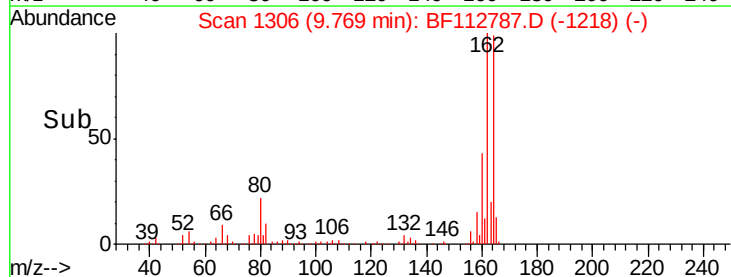
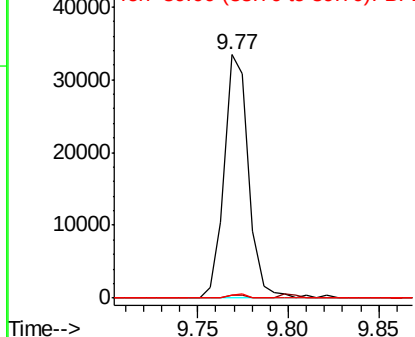


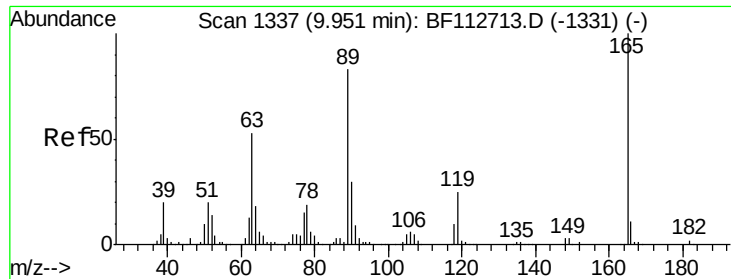
#51
2,6-Dinitrotoluene
Concen: 8.398 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:165 Resp: 31421
Ion Ratio Lower Upper
165 100
63 1.0 54.1 81.1#
89 1.3 52.8 79.2#



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

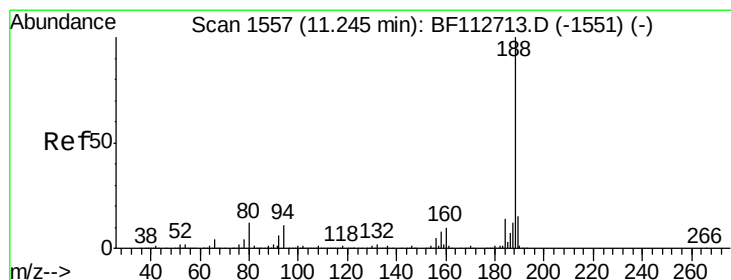
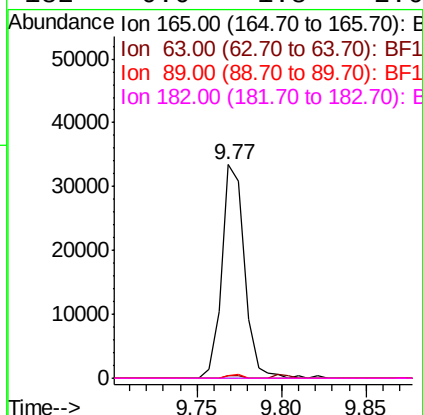
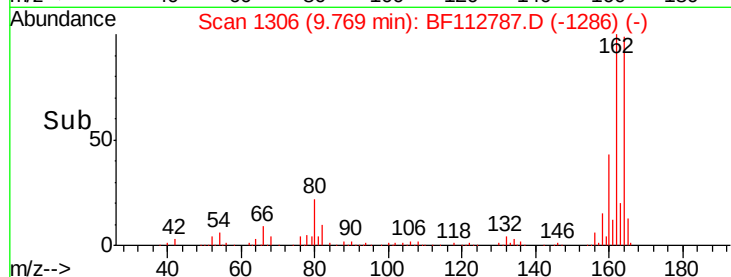
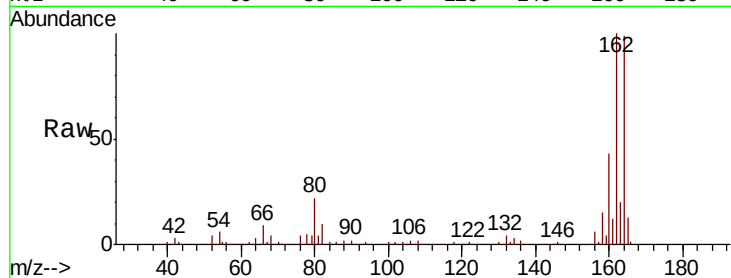




#57
 2,4-Dinitrotoluene
 Concen: 6.756 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.18 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

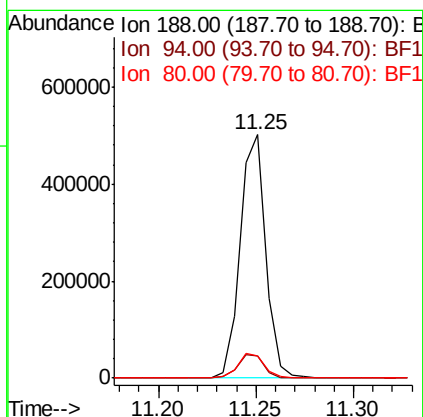
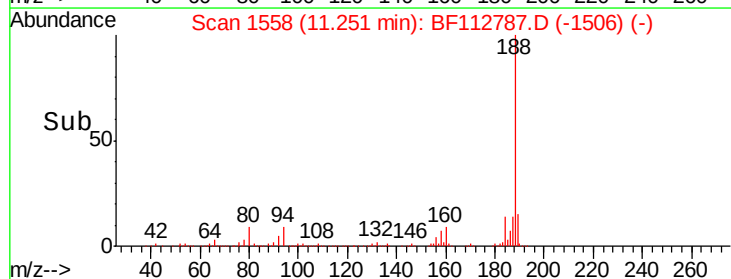
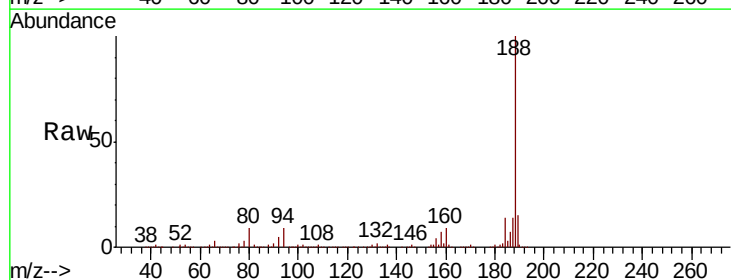
Instrument :
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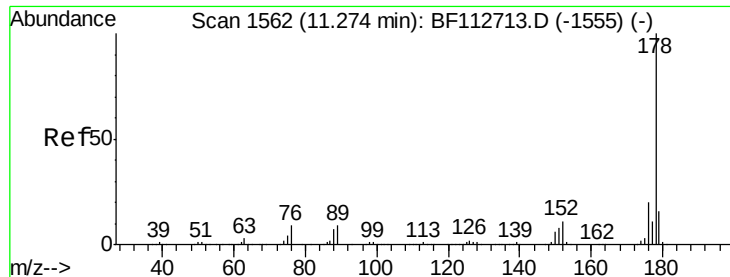
Tot Ion:	165	Resp:	31421
Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion:	188	Resp:	454719
Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.0	13.4
80	8.9	9.2	13.8#

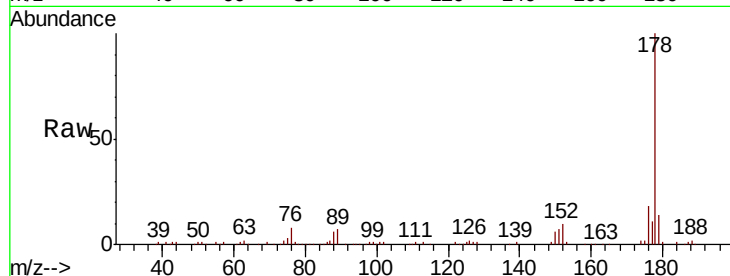




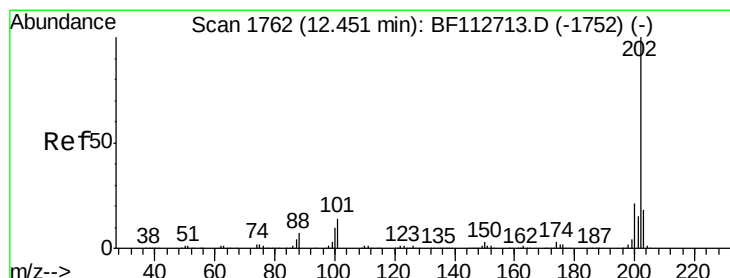
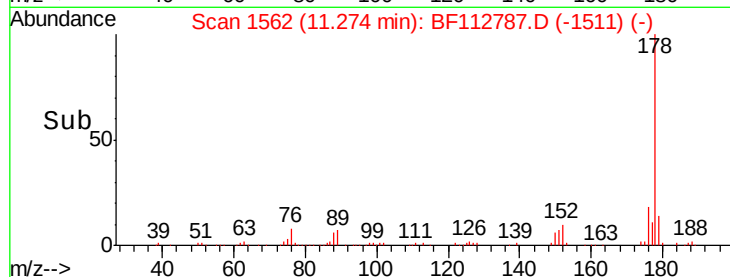
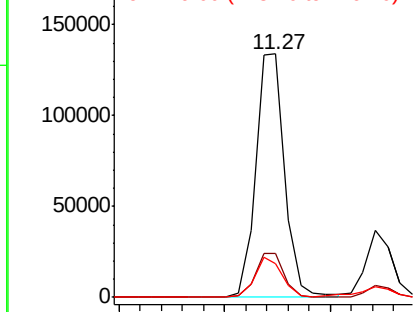
#71
Phenanthrene
Concen: 5.634 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 127473
Ion Ratio Lower Upper
178 100
176 18.3 16.3 24.5
179 14.1 12.7 19.1

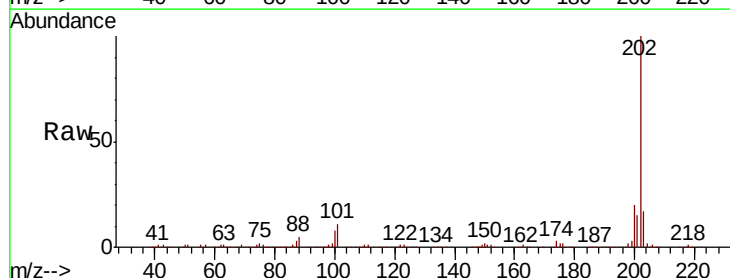


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

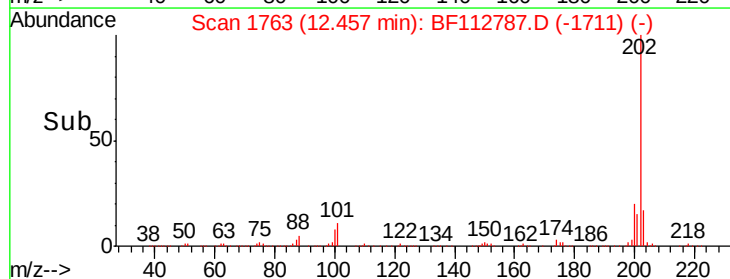
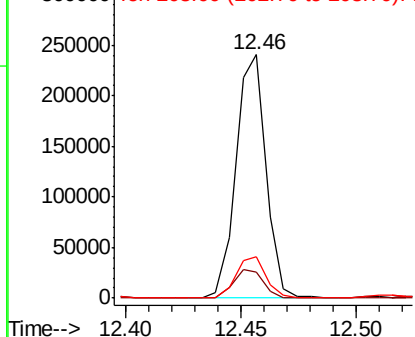


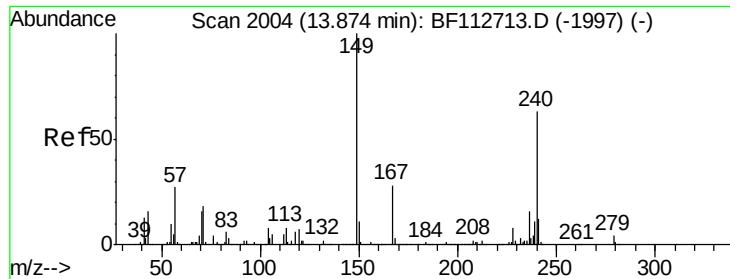
#75
Fluoranthene
Concen: 9.008 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:202 Resp: 218352
Ion Ratio Lower Upper
202 100
101 10.6 0.0 33.8
203 16.9 0.0 38.4



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

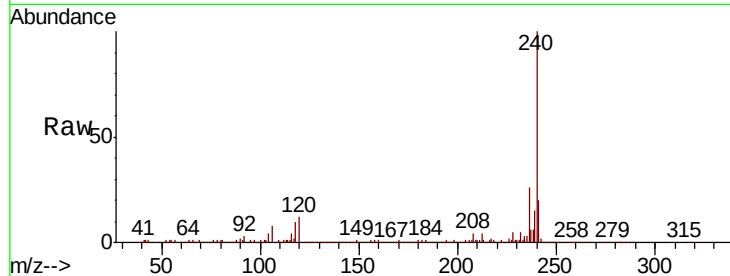




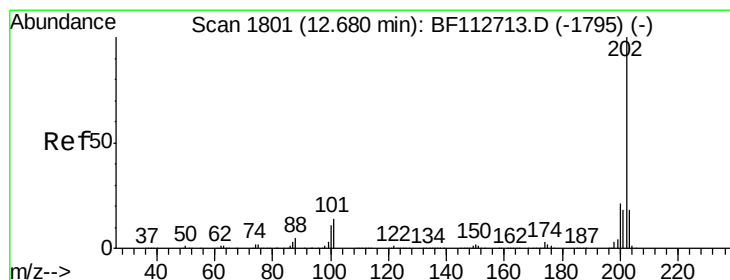
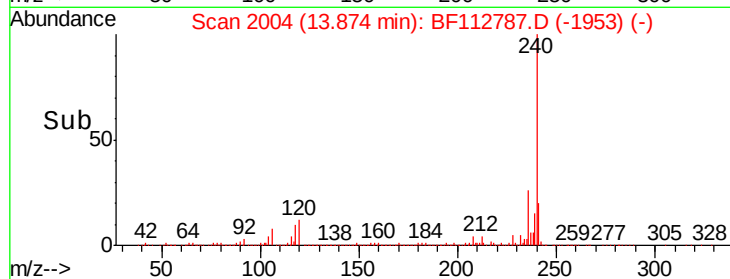
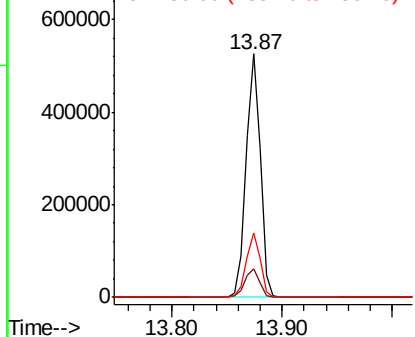
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 479331
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 26.3 20.7 31.1

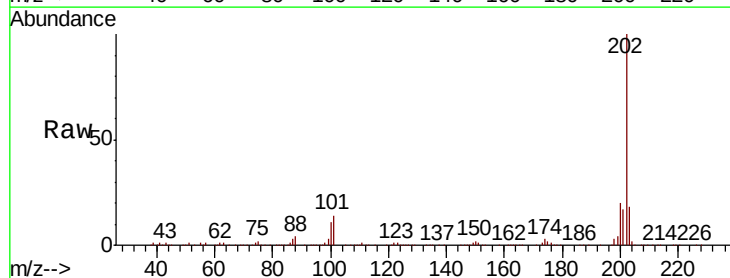


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

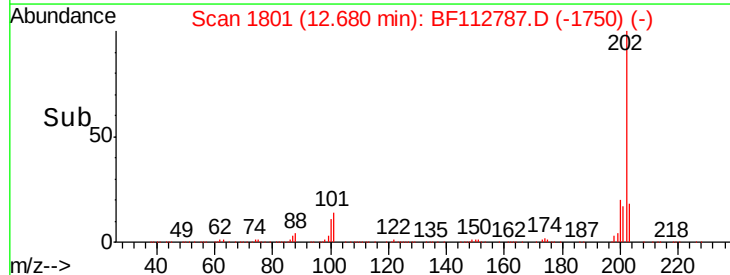
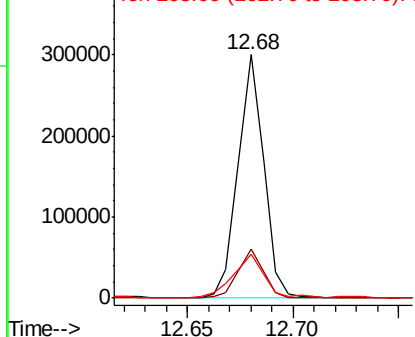


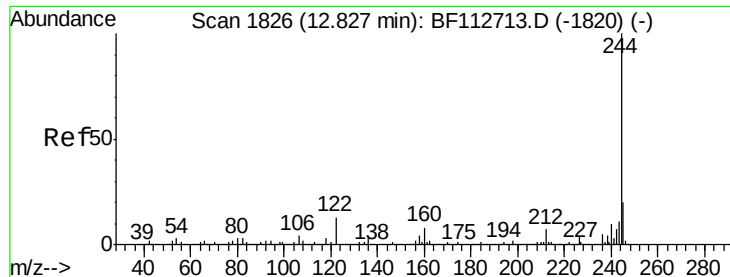
#78
Pyrene
Concen: 6.246 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:202 Resp: 252396
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.4
203 18.2 14.4 21.6



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: 4.075 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

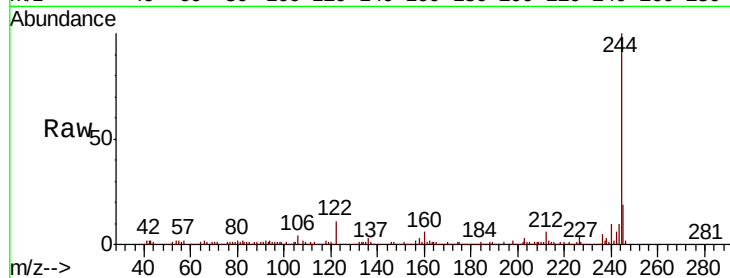
Tot Ion:244 Resp: 100763

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

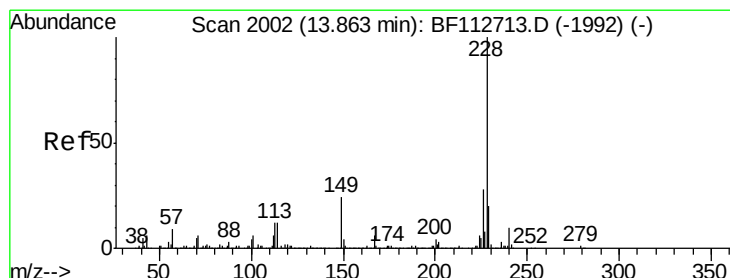
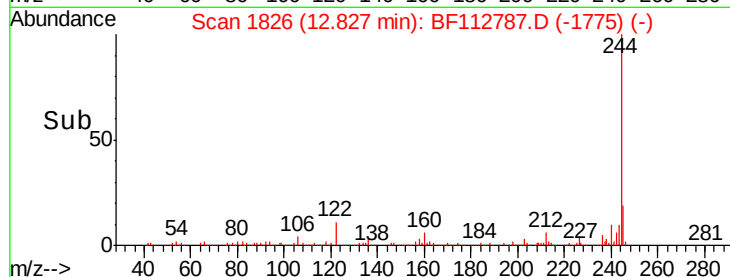
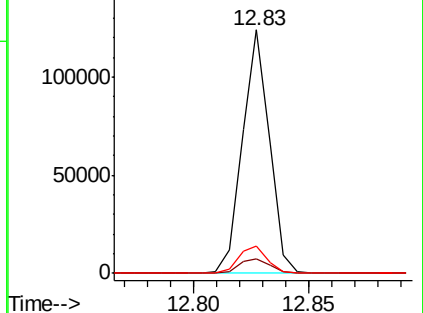
122 11.3 10.5 15.7



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: 3.776 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

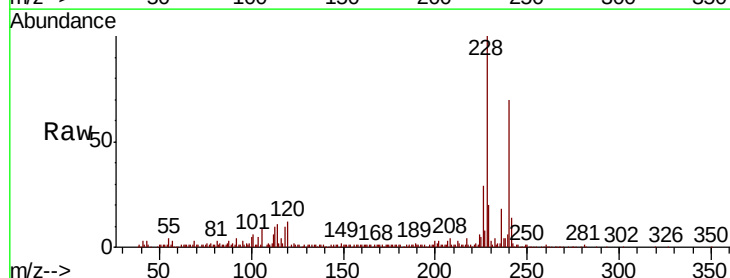
Tgt Ion:228 Resp: 125438

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.4

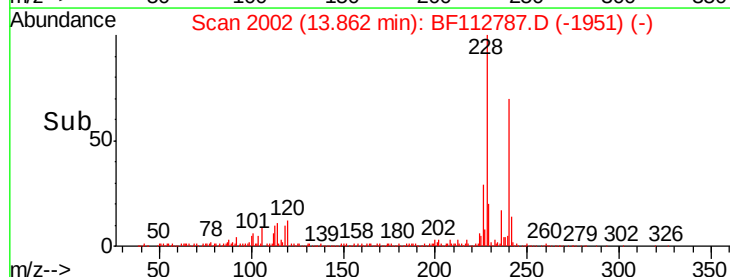
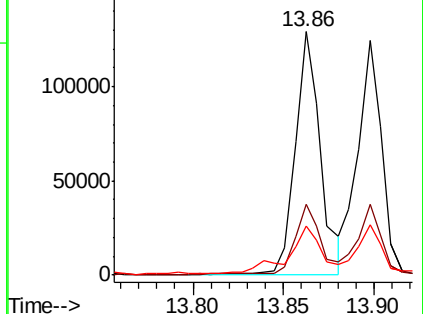
229 20.0 16.0 24.0

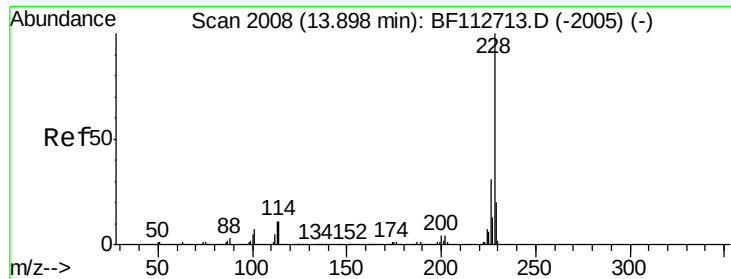


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

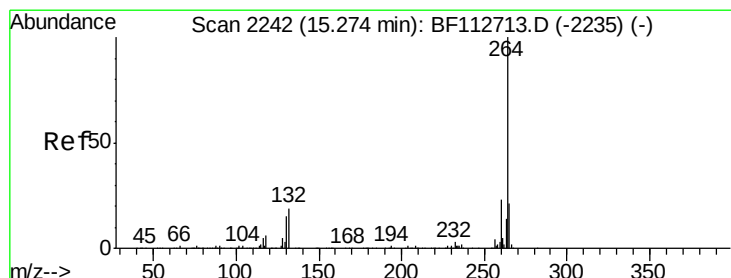
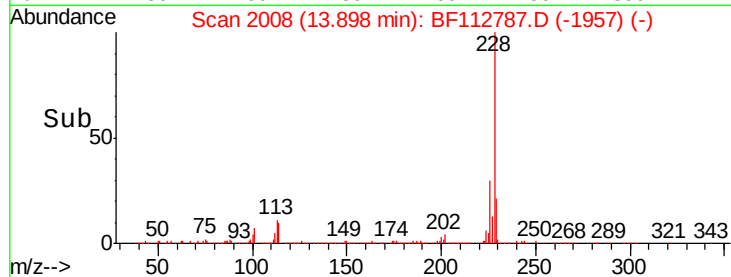
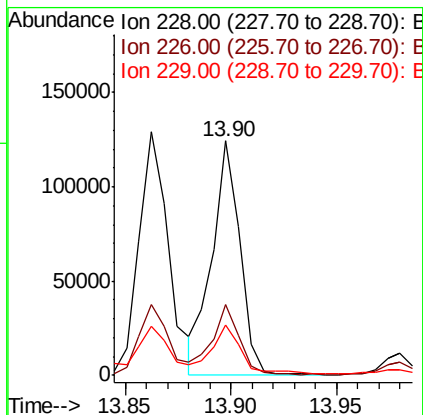
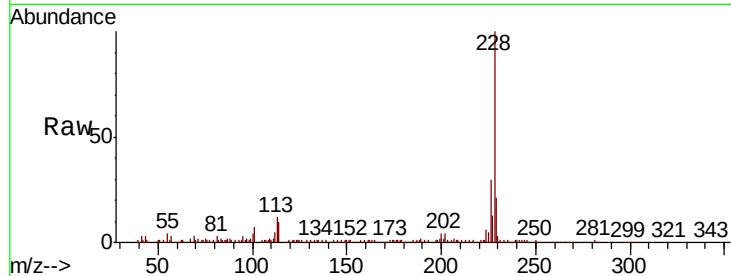




#83
Chrysene
Concen: 3.510 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

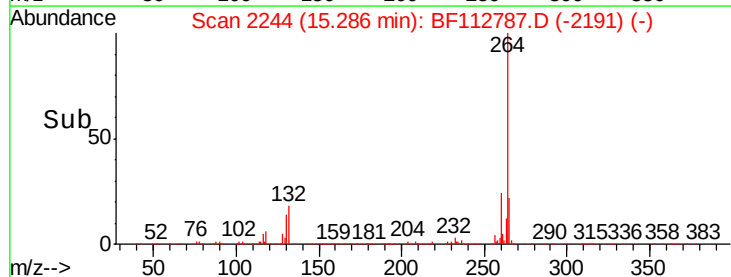
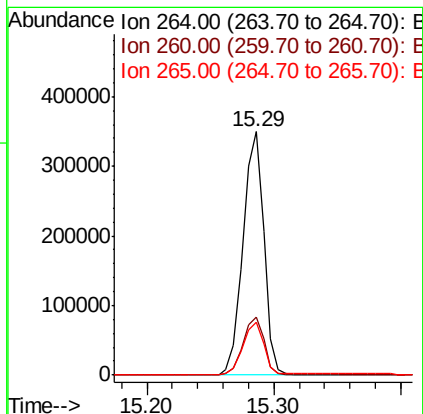
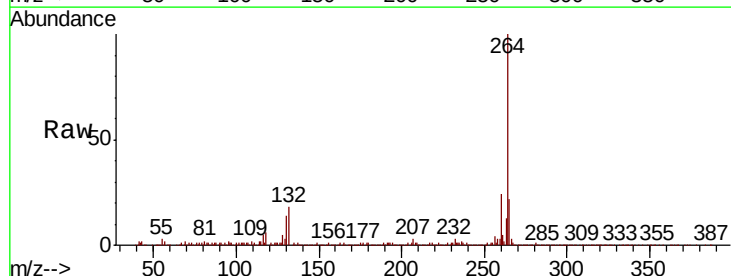
Instrument :
BNA_F
ClientSampleId :

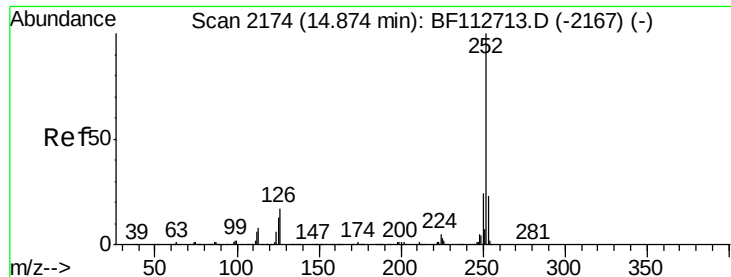
Tot Ion:228 Resp: 114203
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 21.4 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:264 Resp: 396004
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.9 17.2 25.8

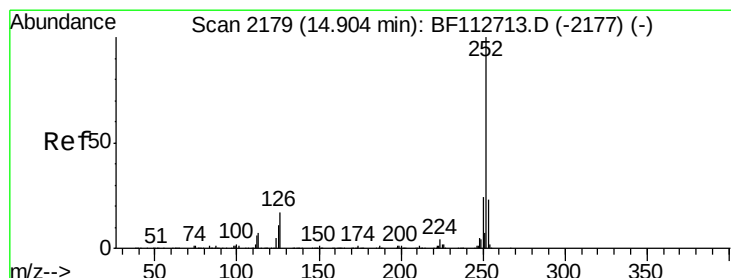
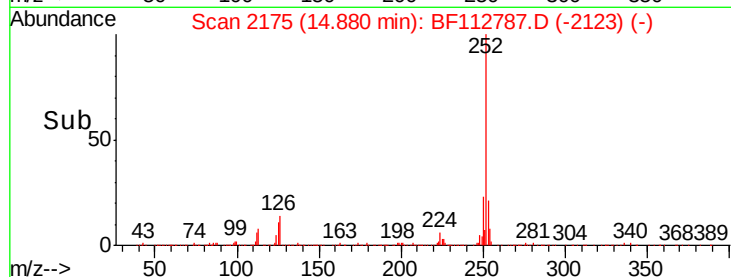
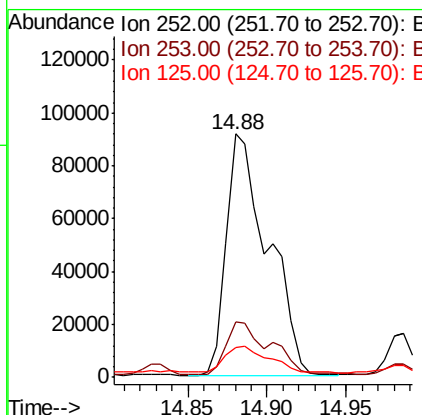
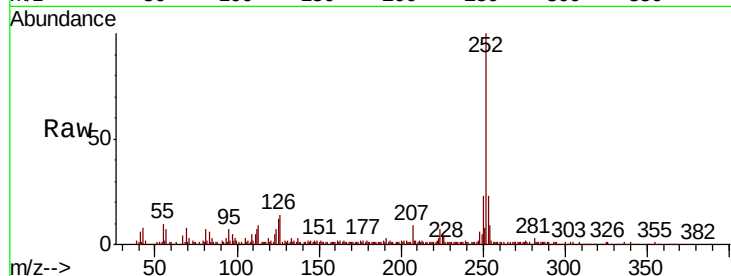




#88
Benzo(b)fluoranthene
Concen: 6.507 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

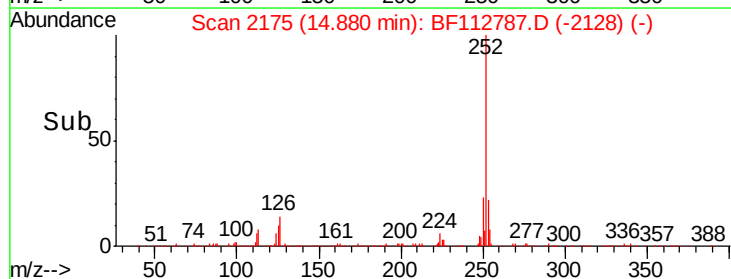
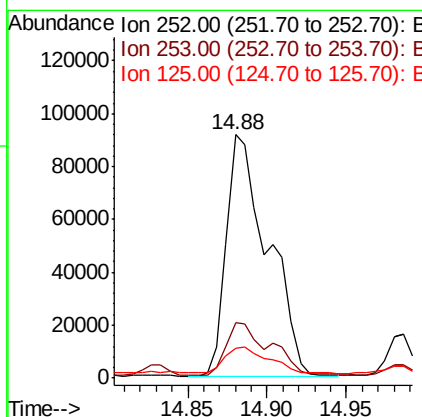
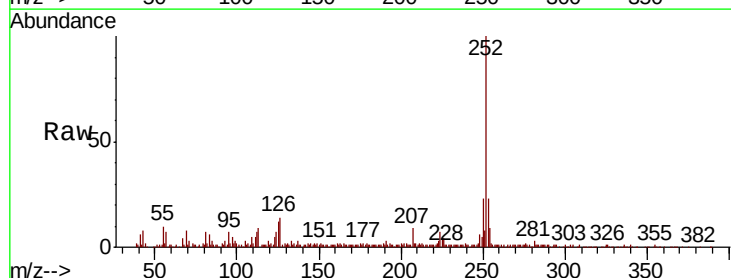
Instrument :
BNA_F
ClientSampleId :

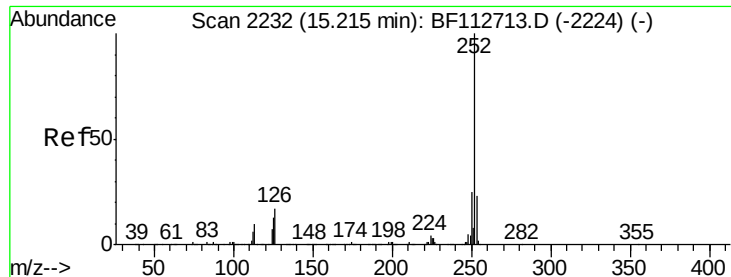
Tot Ion:252 Resp: 166663
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 12.5 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 7.183 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:252 Resp: 166663
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 12.5 9.8 14.6





#90

Benzo(a)pyrene

Concen: 3.970 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampled :

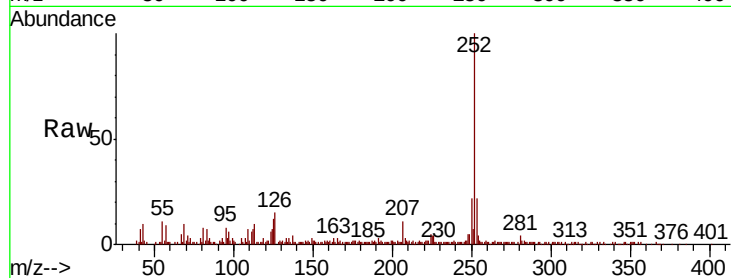
Tot Ion:252 Resp: 89946

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.4	10.7	16.1

252 100

253 22.5 18.0 27.0

125 12.4 10.7 16.1

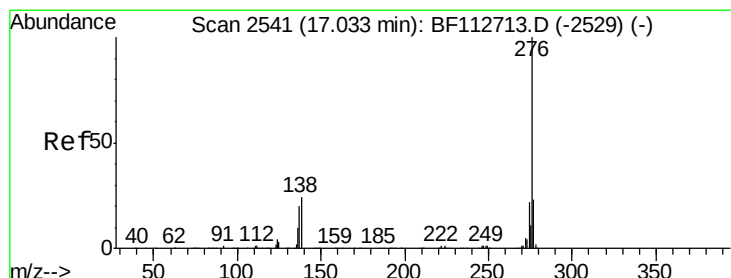
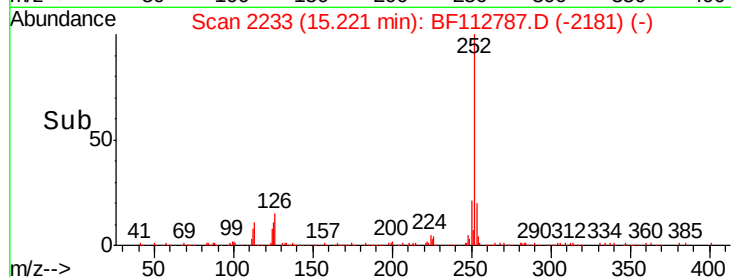
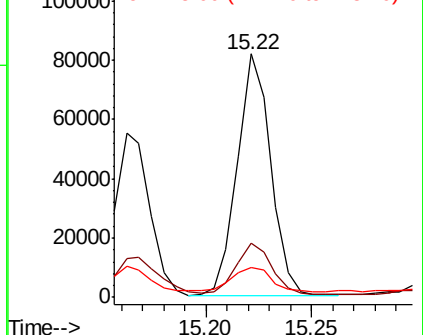


Abundance

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: 2.167 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

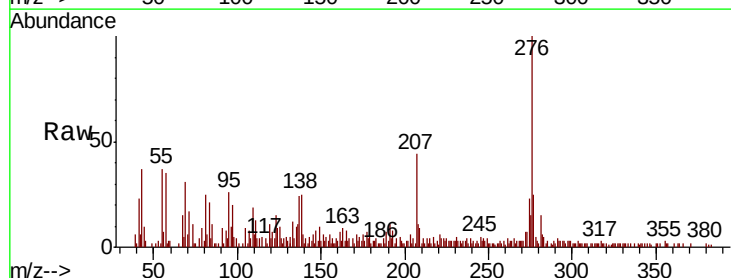
Tgt Ion:276 Resp: 42073

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	27.8
138	25.2	19.4	29.0

276 100

277 24.9 18.6 27.8

138 25.2 19.4 29.0



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

