

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115612.D
 Acq On : 16 Jul 2019 21:58
 Operator : HP/JU
 Sample : K3776-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:56:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

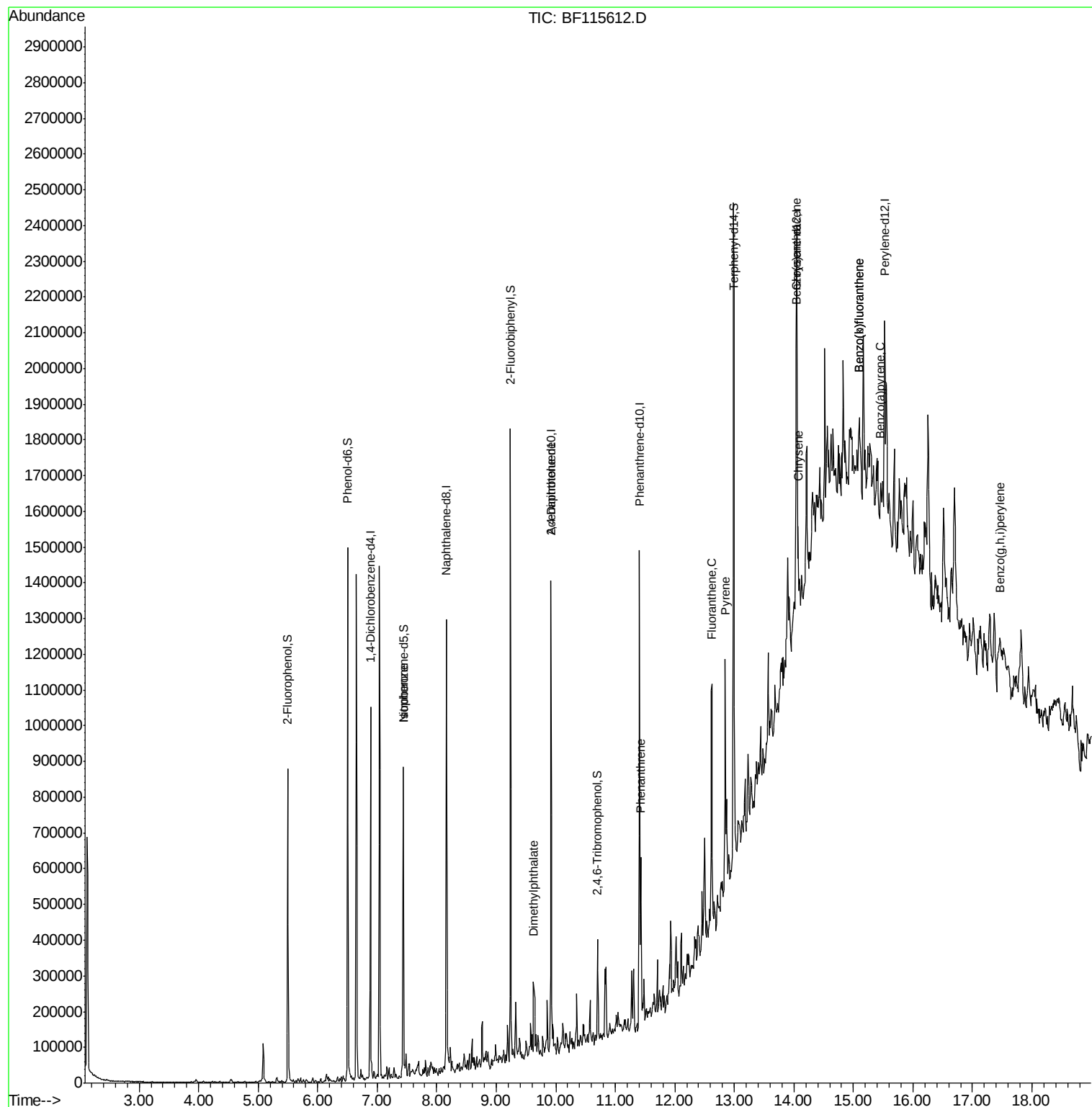
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	153207	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	565279	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	248687	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	497215	20.00	ng	0.00
76) Chrysene-d12	14.04	240	355992	20.00	ng	0.00
87) Perylene-d12	15.53	264	271672	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	243746	26.02	ng	0.00
7) Phenol-d6	6.50	99	479688	40.36	ng	-0.01
23) Nitrobenzene-d5	7.44	82	283988	29.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	35308	12.16	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	509969	35.89	ng	-0.01
79) Terphenyl-d14	12.99	244	637069	33.02	ng	-0.01
Target Compounds						
25) Isophorone	7.44	82	278777	14.331	ng	# 65
50) Dimethylphthalate	9.63	163	72973	3.900	ng	# 99
57) 2,4-Dinitrotoluene	9.92	165	35592	6.461	ng	# 24
71) Phenanthrene	11.43	178	161198	6.325	ng	# 96
75) Fluoranthene	12.62	202	281421	10.449	ng	# 99
78) Pyrene	12.85	202	269955	8.950	ng	# 97
81) Benzo(a)anthracene	14.03	228	104490	4.455	ng	# 94
83) Chrysene	14.07	228	110344	4.687	ng	# 93
88) Benzo(b)fluoranthene	15.09	252	116505	6.660	ng	# 64
89) Benzo(k)fluoranthene	15.09	252	116505	7.470	ng	# 65
90) Benzo(a)pyrene	15.46	252	55818	3.712	ng	# 66
92) Benzo(a,h,i)perylene	17.46	276	44186	3.357	ng	# 74

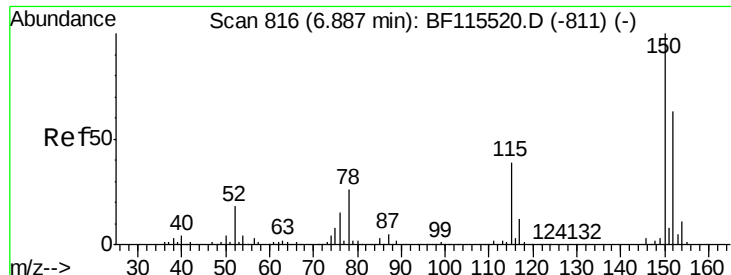
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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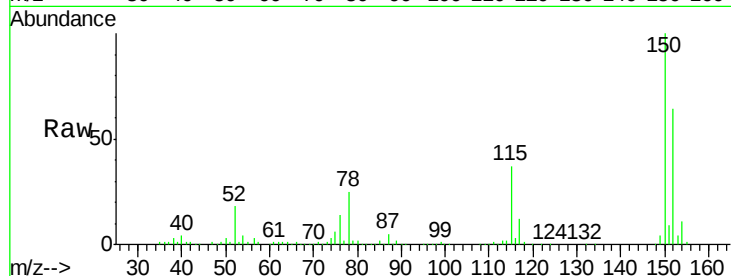


#1

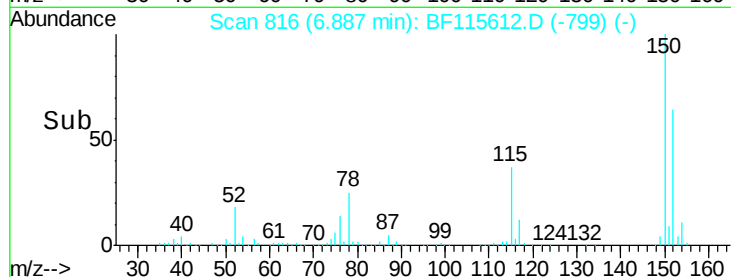
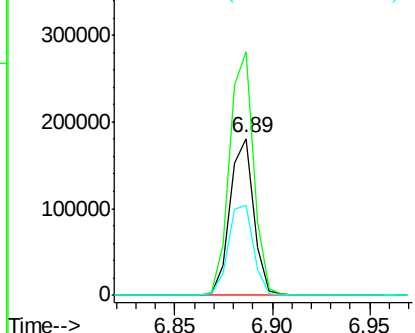
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	129.7	194.5
115	57.4	48.2	72.4



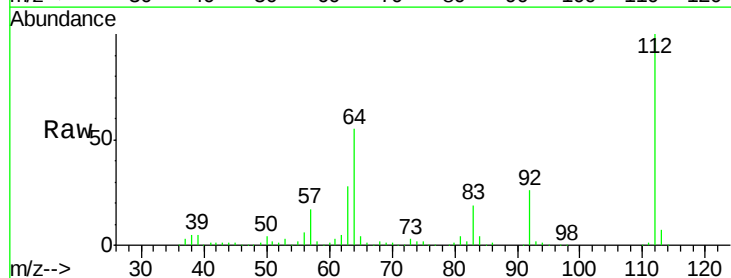
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



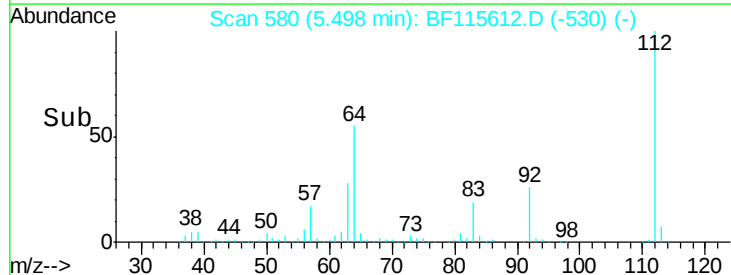
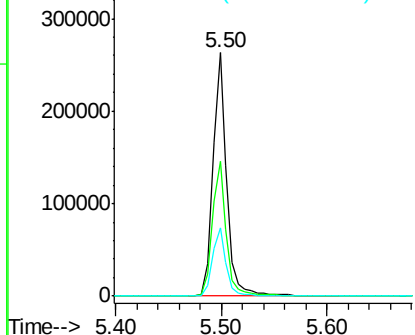
#5

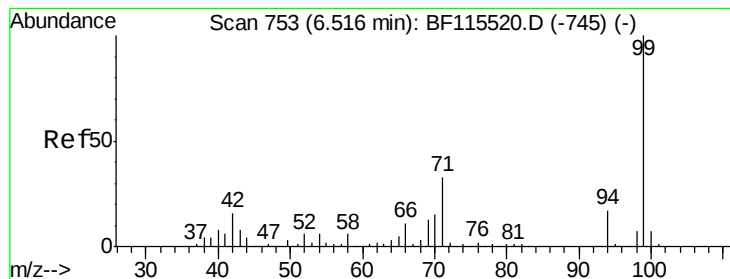
2-Fluorophenol
Concen: 26.023 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.8	70.2
63	28.1	24.1	36.1



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: 40.361 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Instrument :

BNA_F

ClientSampleId :

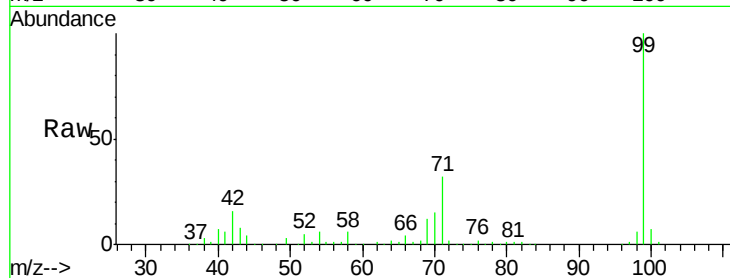
Tot Ion: 99 Resp: 479688

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

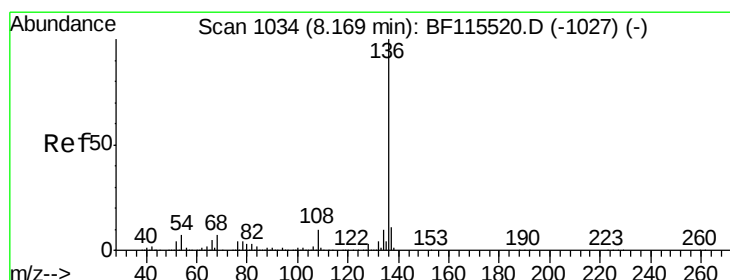
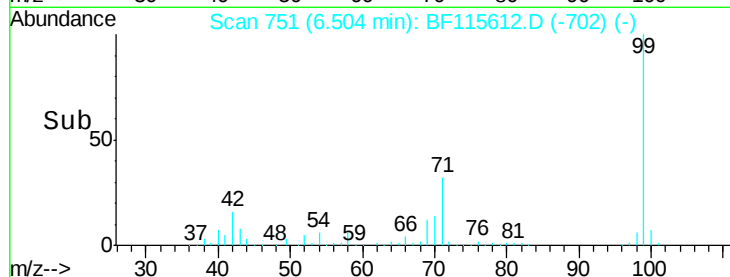
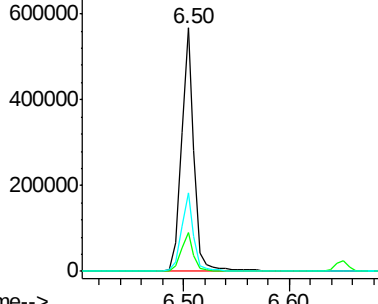
71 32.2 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Tgt Ion: 136 Resp: 565279

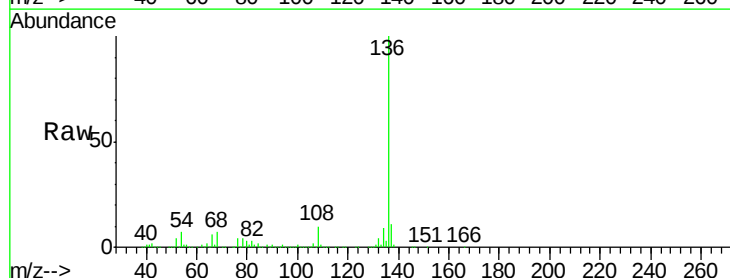
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.4 5.6 8.4

68 6.8 5.0 7.6

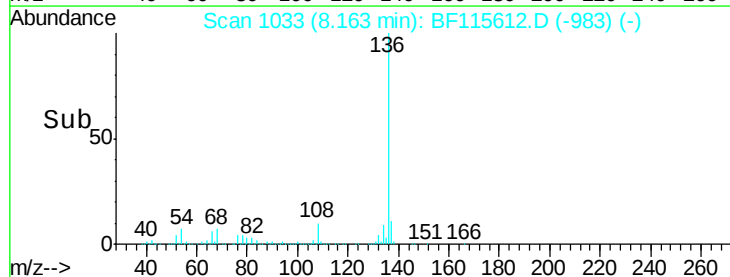
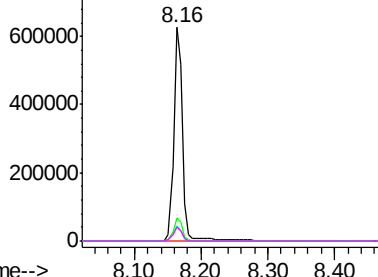


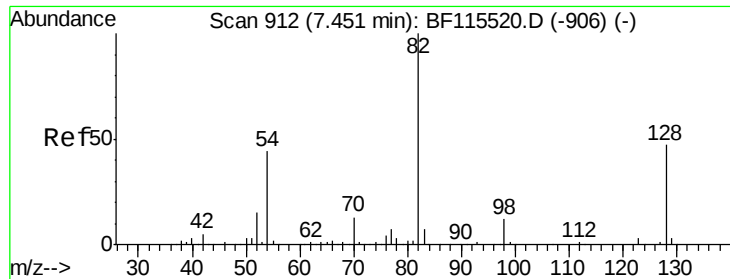
Abundance Ion 136.00 (135.70 to 136.70): E

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

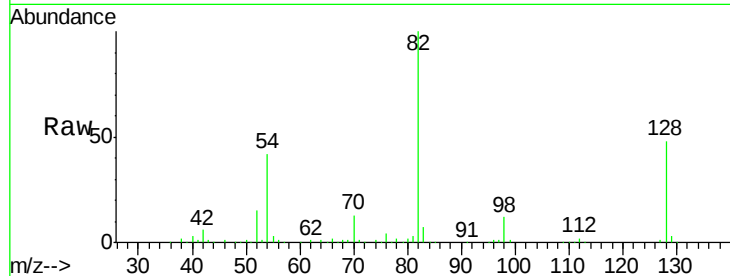




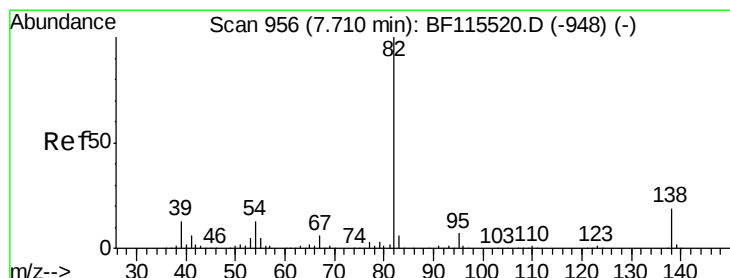
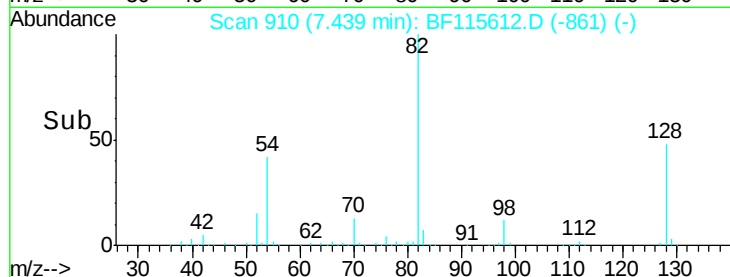
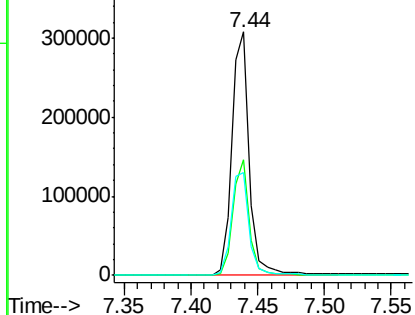
#23
 Nitrobenzene-d5
 Concen: 29.212 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF115612.D
 Acq: 16 Jul 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	283988
Ion Ratio	Lower	Upper	
82	100		
128	47.7	38.6	57.8
54	42.4	35.6	53.4

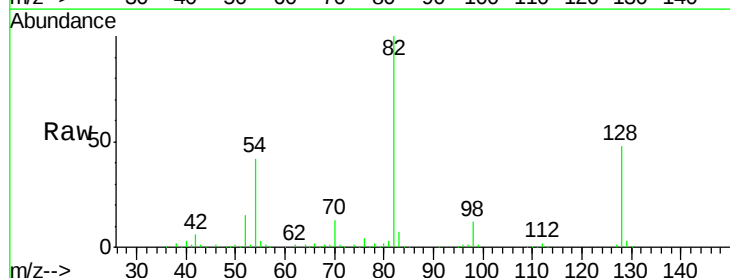


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

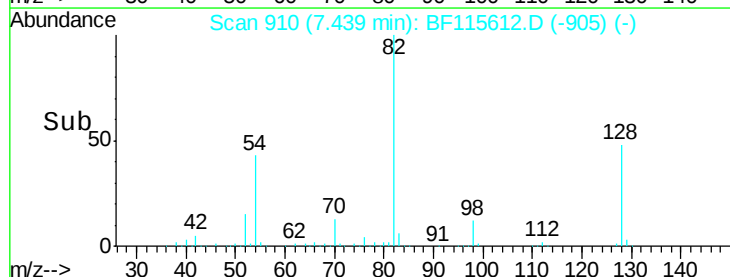
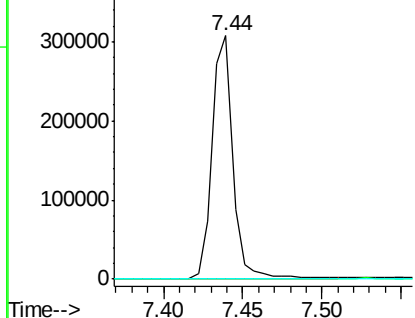


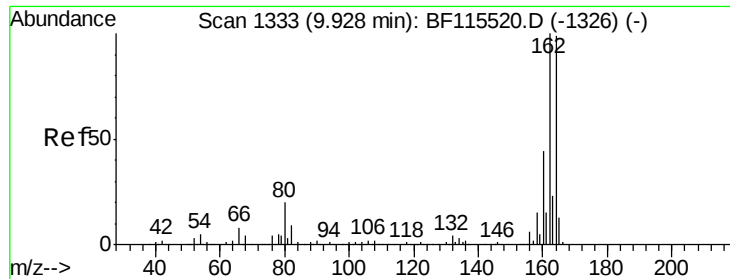
#25
 Isophorone
 Concen: 14.331 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF115612.D
 Acq: 16 Jul 2019 21:58

Tgt Ion	82	Resp	278777
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.5	8.3#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

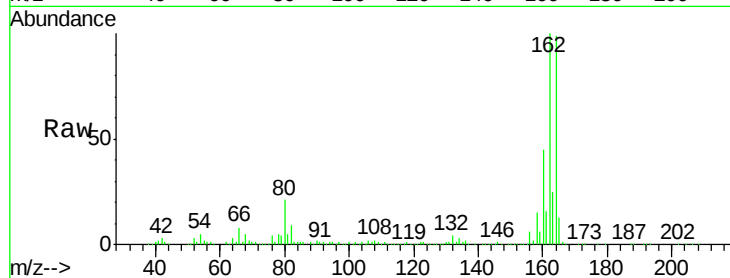




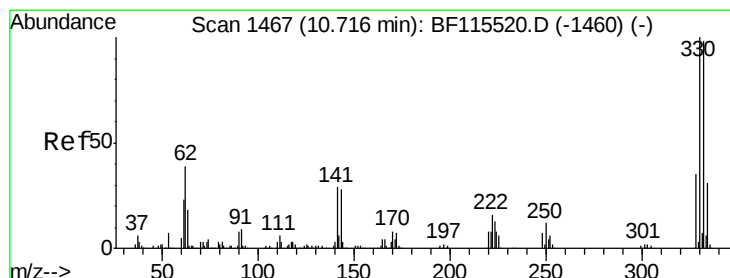
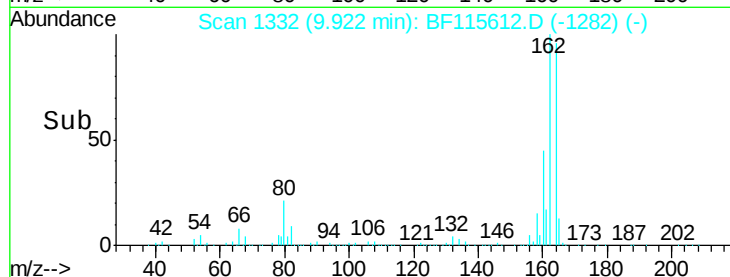
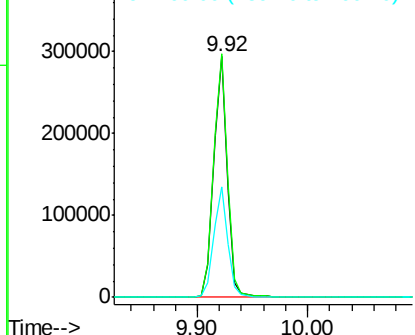
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 248687
Ion Ratio Lower Upper
164 100
162 101.1 82.9 124.3
160 45.8 36.8 55.2

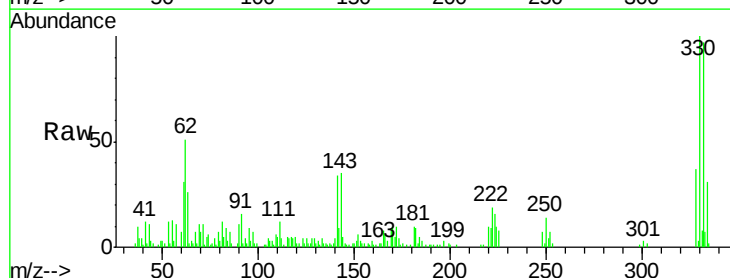


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

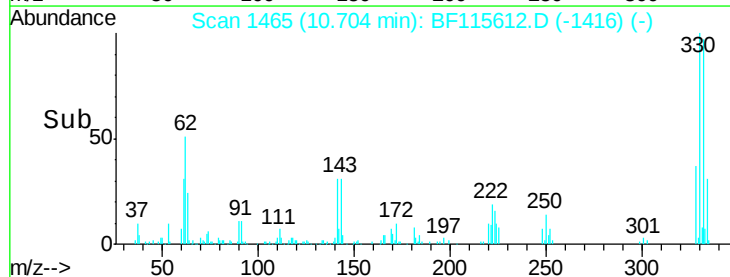
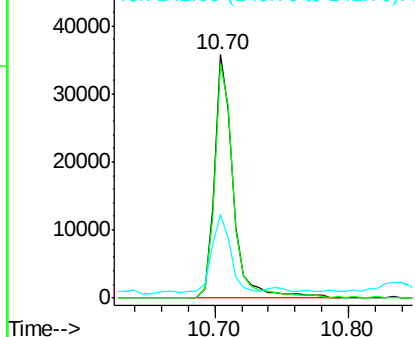


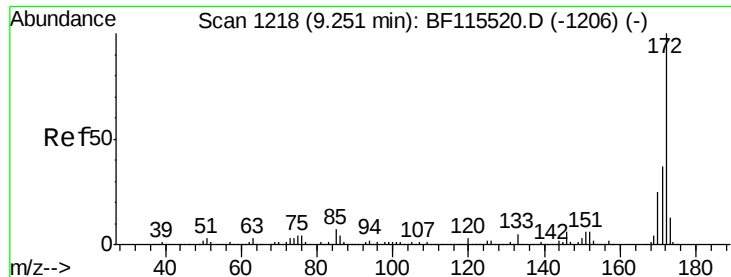
#42
2,4,6-Tribromophenol
Concen: 12.164 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion:330 Resp: 35308
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 32.3 22.4 33.6



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

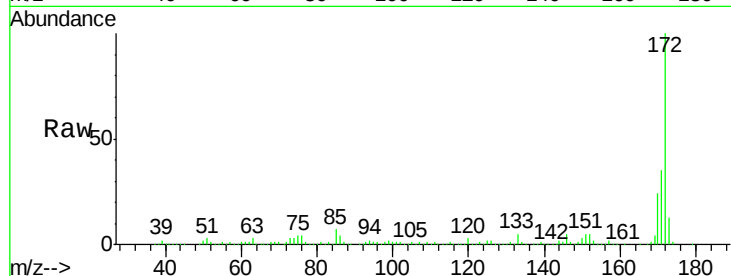




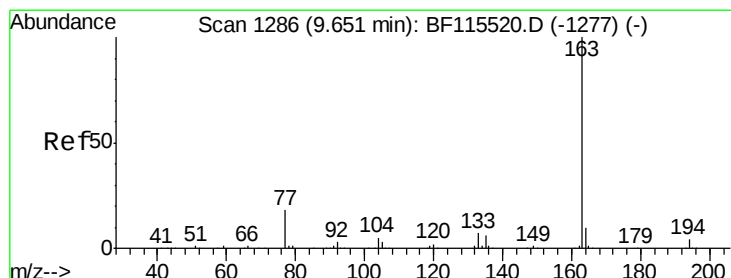
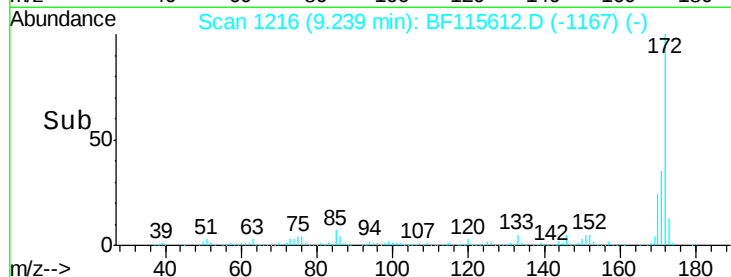
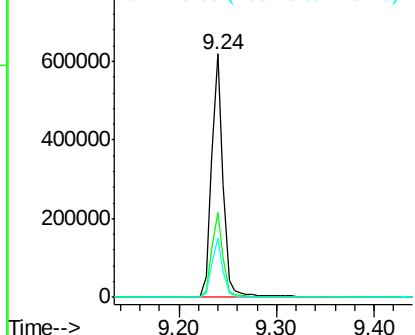
#45
2-Fluorobiphenyl
Concen: 35.892 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 509969
Ion Ratio Lower Upper
172 100
171 35.1 30.6 46.0
170 24.1 20.5 30.7

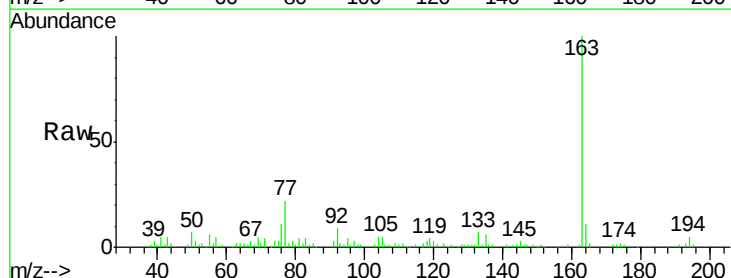


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

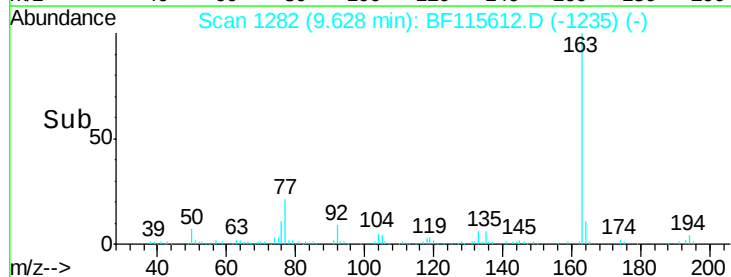
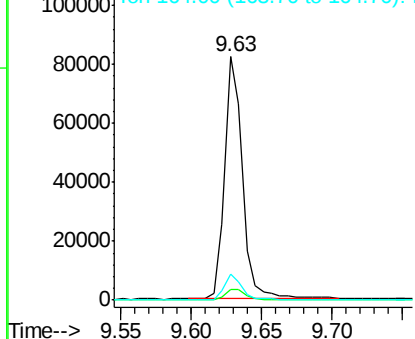


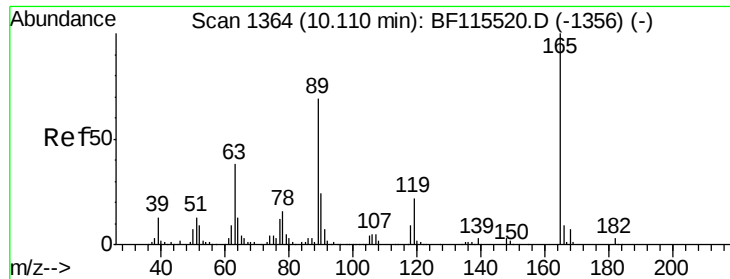
#50
Dimethylphthalate
Concen: 3.900 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion:163 Resp: 72973
Ion Ratio Lower Upper
163 100
194 4.6 3.3 4.9
164 10.6 8.7 13.1



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





#57

2,4-Dinitrotoluene

Concen: 6.461 ng

RT: 9.92 min Scan# 1332

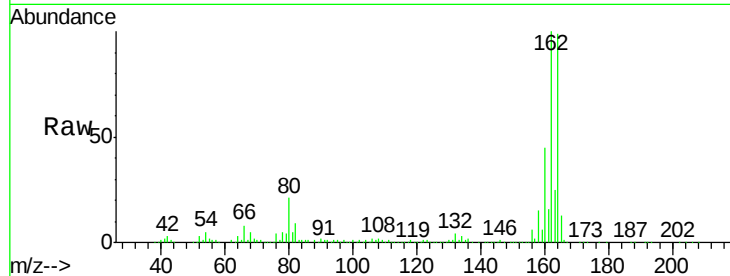
Delta R.T. -0.19 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	35592
Ion Ratio	Lower	Upper
165	100	
63	1.3	34.9 52.3#
89	1.5	57.5 86.3#
182	0.0	2.2 3.4#

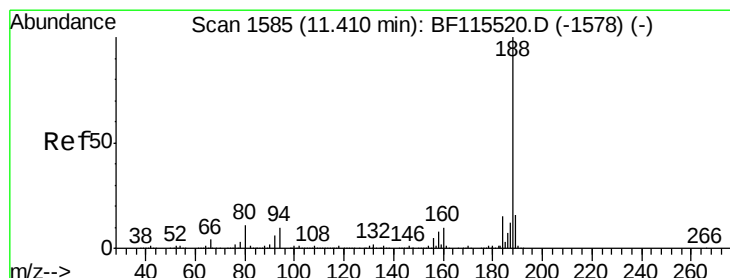
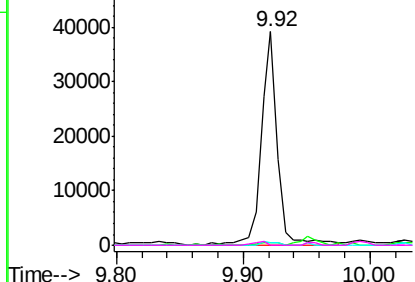
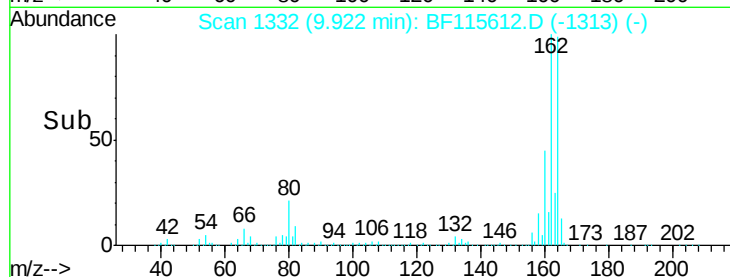


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

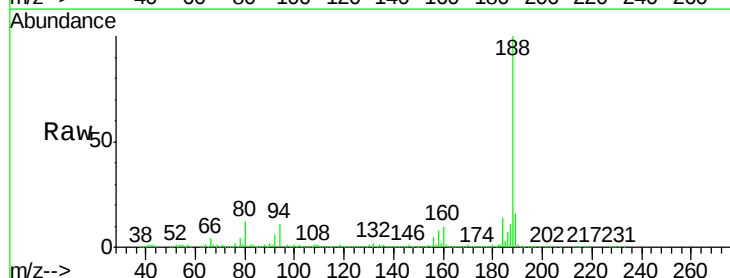
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

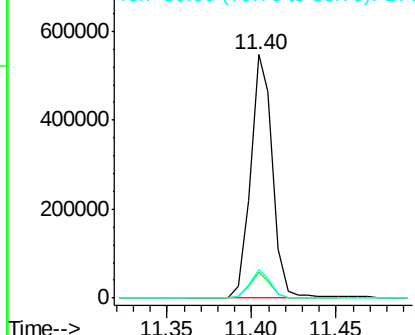
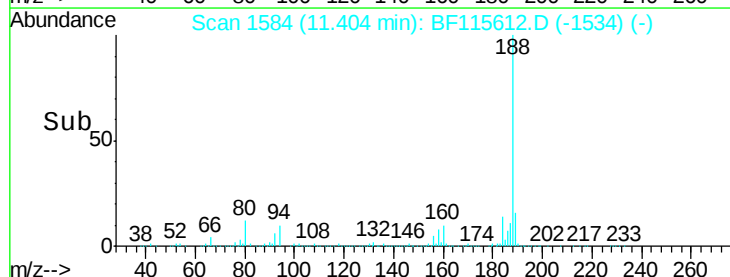
Tgt Ion:188	Resp:	497215
Ion Ratio	Lower	Upper
188	100	
94	10.6	7.8 11.6
80	11.8	8.6 13.0

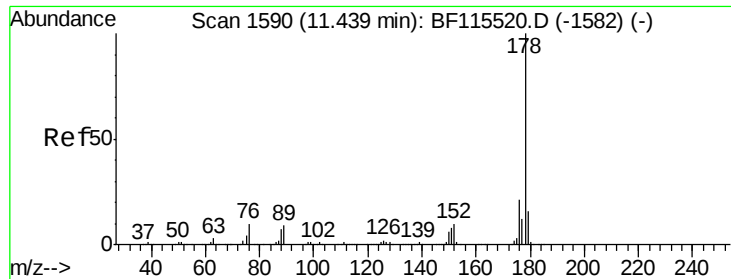


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

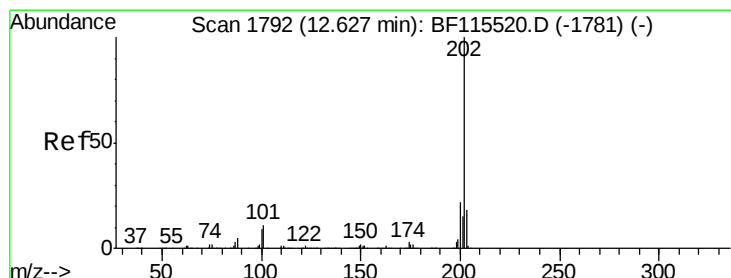
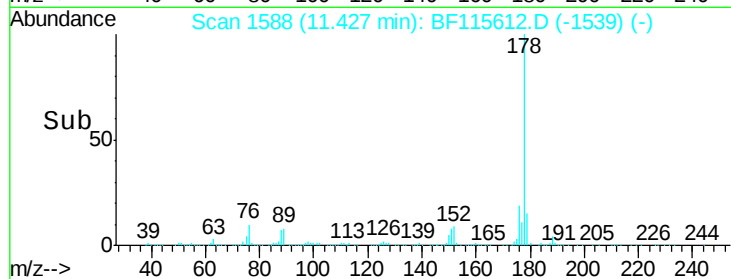
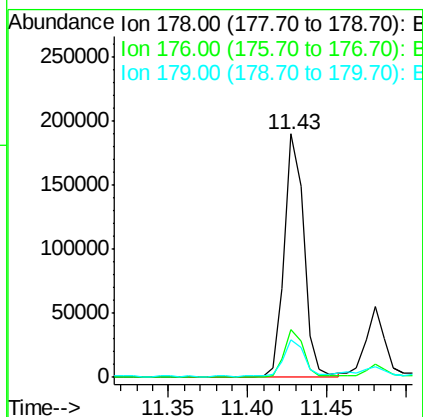
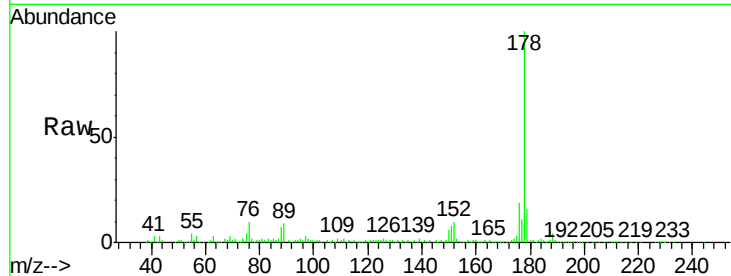




#71
Phenanthrene
Concen: 6.325 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

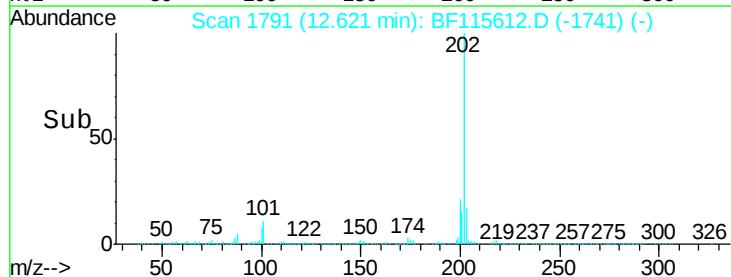
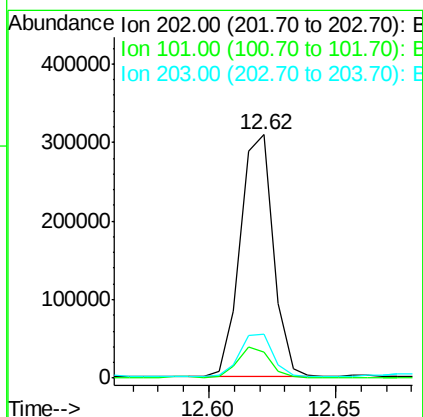
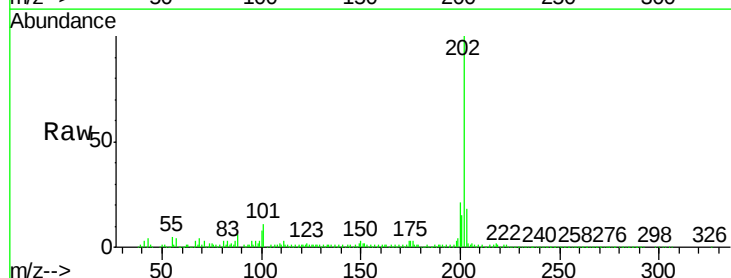
Instrument :
BNA_F
ClientSampleId :

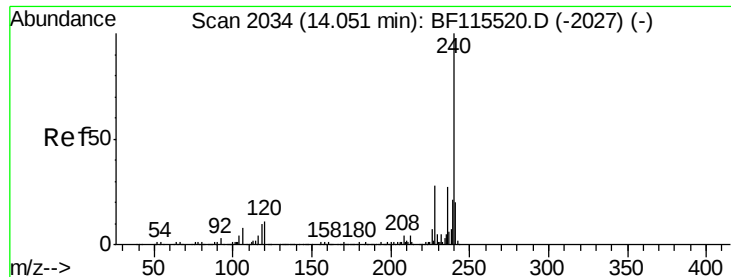
Tot Ion:178 Resp: 161198
Ion Ratio Lower Upper
178 100
176 19.4 17.2 25.8
179 15.5 13.5 20.3



#75
Fluoranthene
Concen: 10.449 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion:202 Resp: 281421
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.8 0.0 38.1

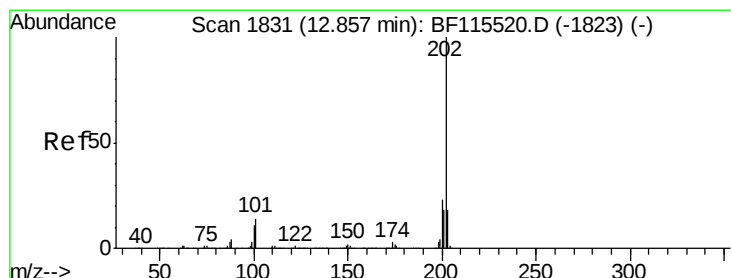
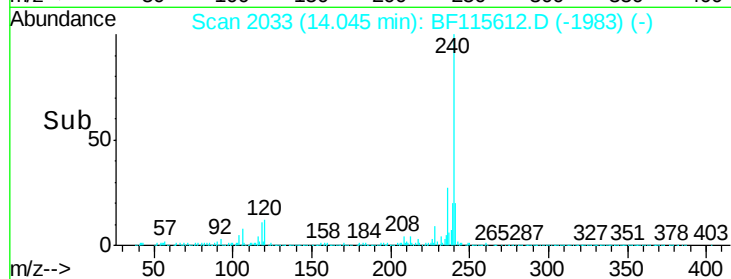
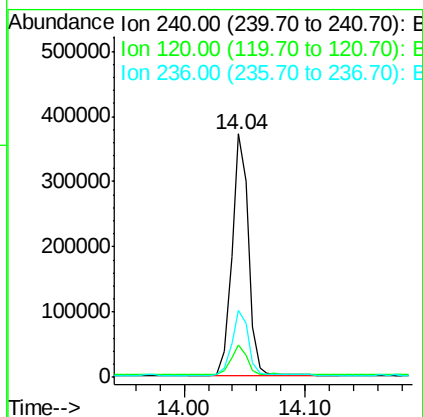
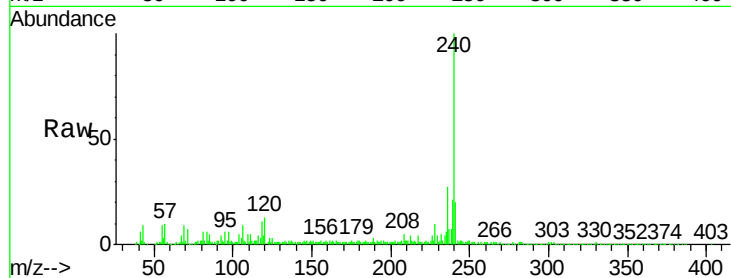




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

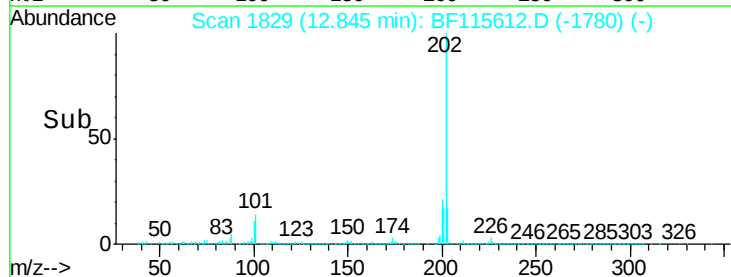
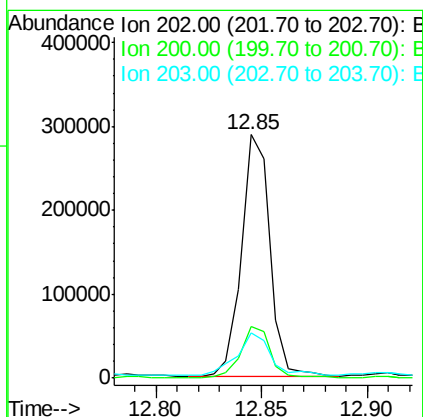
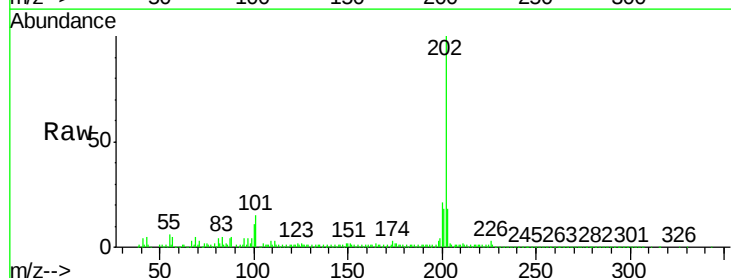
Instrument :
BNA_F
ClientSampleId :

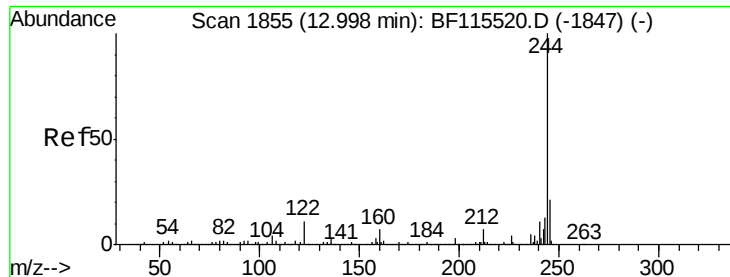
Tot Ion:240 Resp: 355992
Ion Ratio Lower Upper
240 100
120 13.2 8.6 13.0#
236 27.4 21.3 31.9



#78
Pyrene
Concen: 8.950 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion:202 Resp: 269955
Ion Ratio Lower Upper
202 100
200 21.2 18.7 28.1
203 18.4 15.2 22.8





#79

Terphenyl-d14

Concen: 33.020 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Instrument :

BNA_F

ClientSampleId :

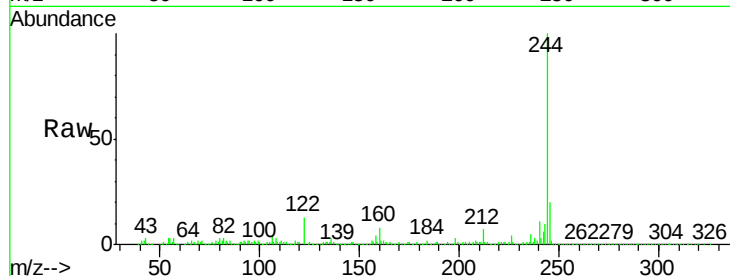
Tot Ion:244 Resp: 637069

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

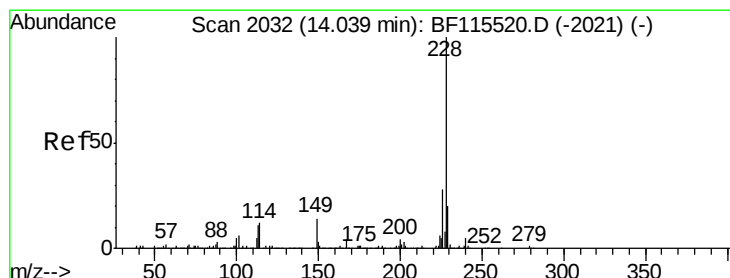
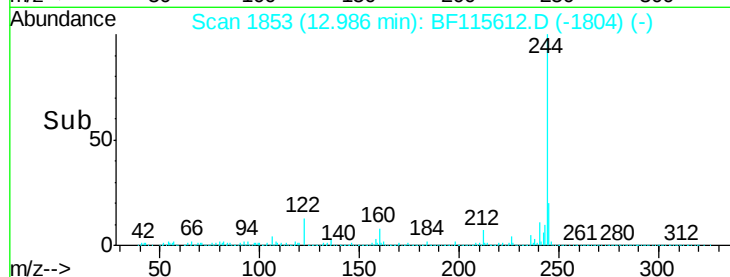
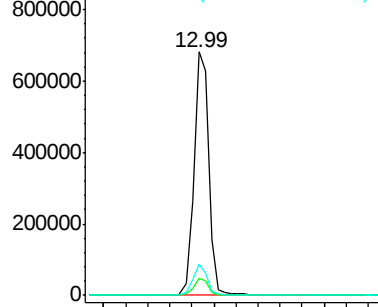
122 12.8 8.6 12.8



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: 4.455 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

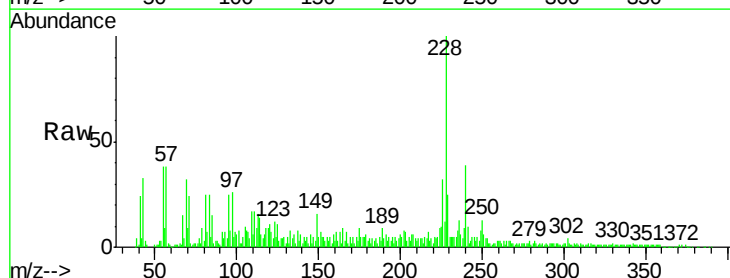
Tgt Ion:228 Resp: 104490

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

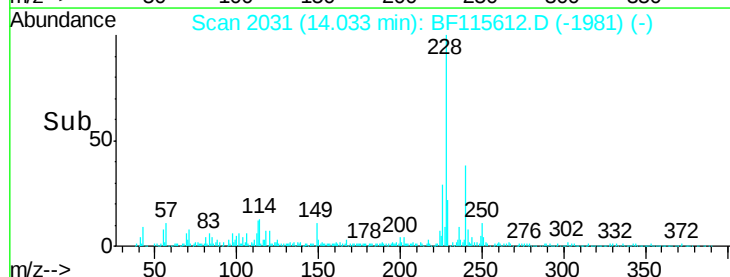
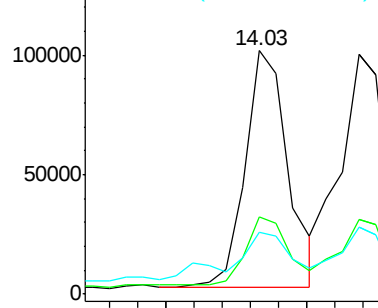
229 25.3 17.2 25.8

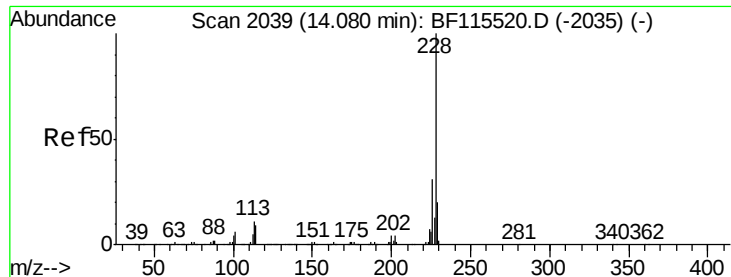


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.687 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

Instrument :

BNA_F

ClientSampleId :

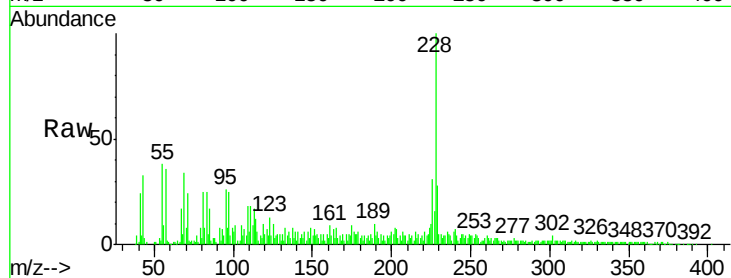
Tot Ion:228 Resp: 110344

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

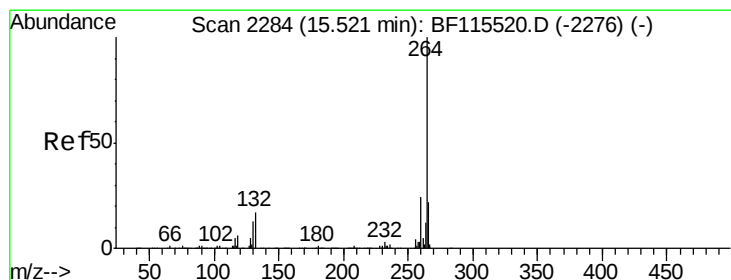
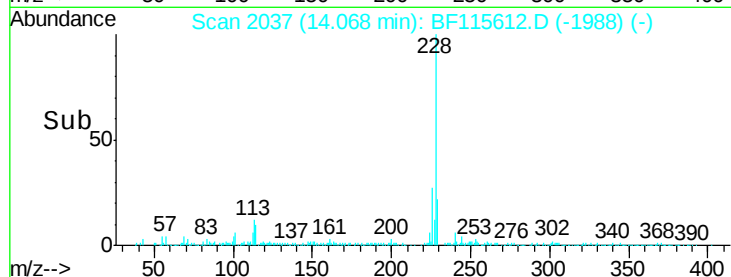
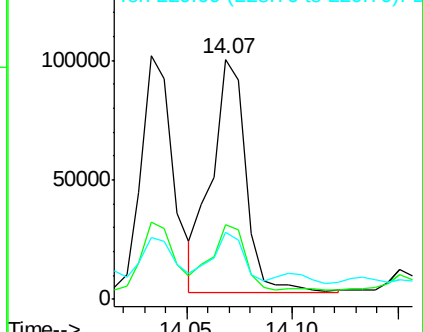
229 28.0 16.6 25.0#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF115612.D

Acq: 16 Jul 2019 21:58

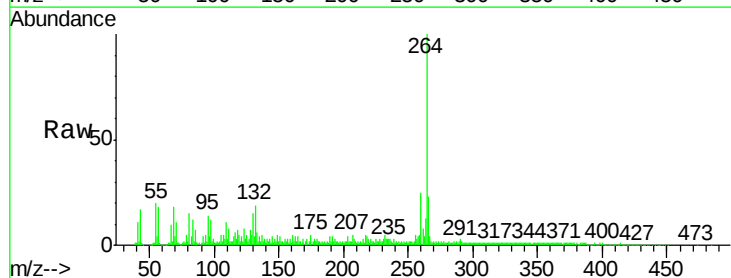
Tgt Ion:264 Resp: 271672

Ion Ratio Lower Upper

264 100

260 25.4 19.8 29.8

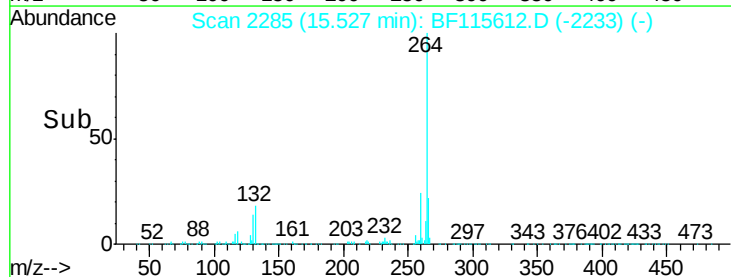
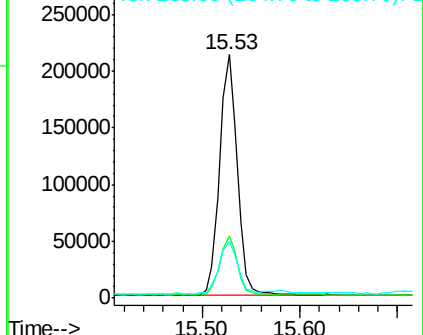
265 23.3 17.7 26.5

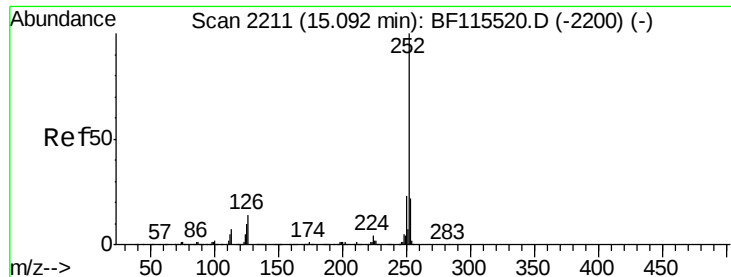


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

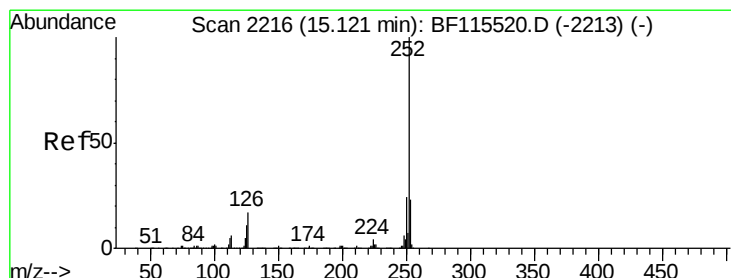
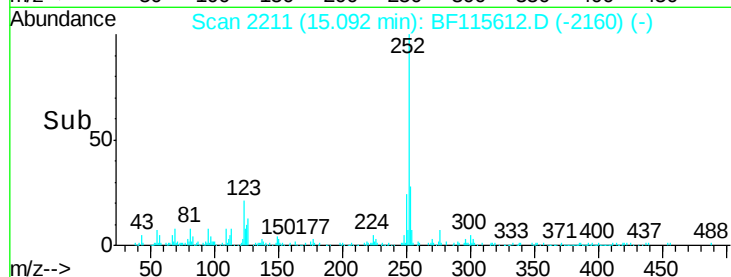
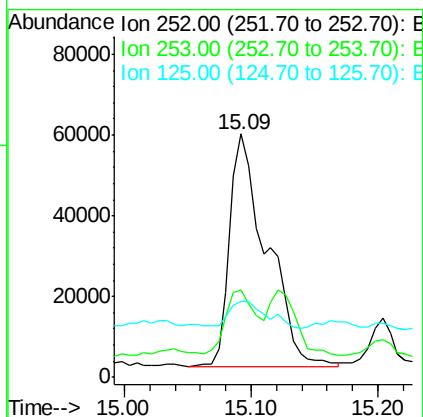
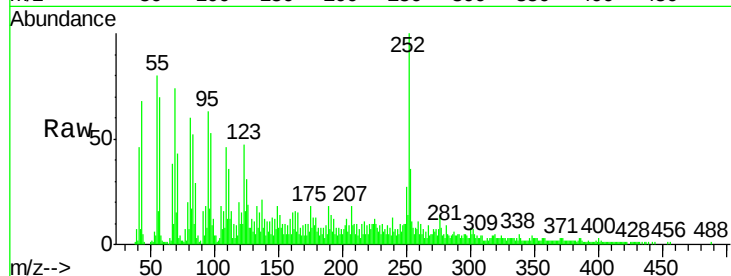




#88
Benzo(b)fluoranthene
Concen: 6.660 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

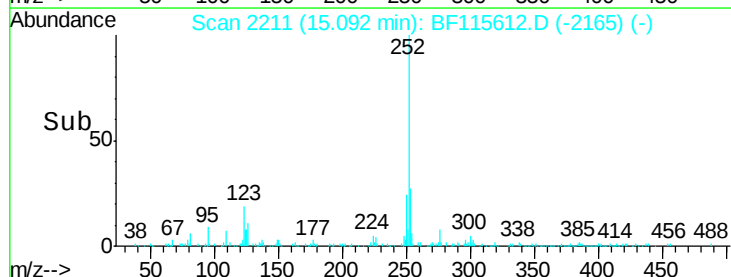
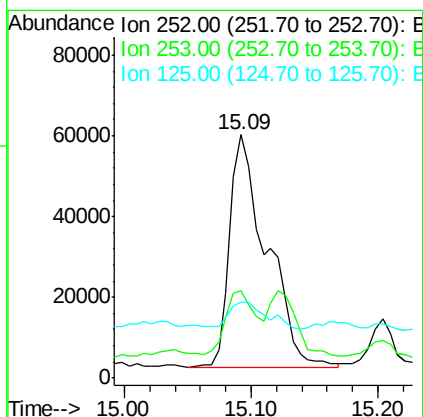
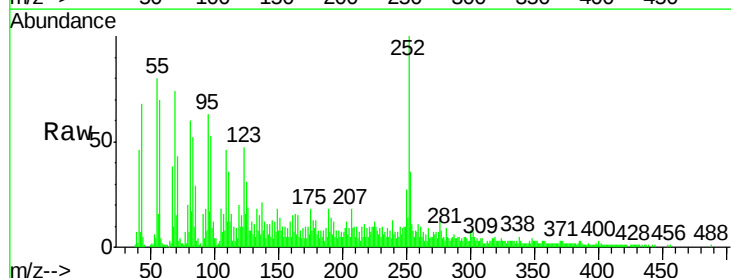
Instrument :
BNA_F
ClientSampleId :

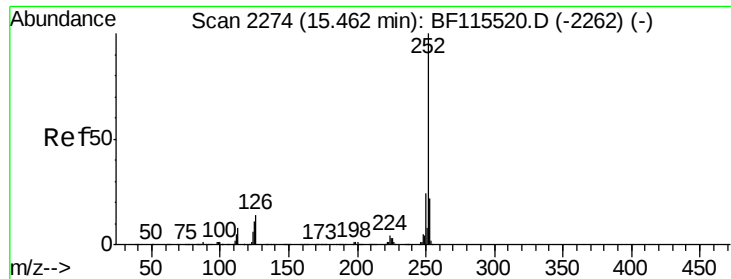
Tot Ion	Ratio	Lower	Upper
252	100		
253	36.1	18.1	27.1#
125	31.3	9.0	13.4#



#89
Benzo(k)fluoranthene
Concen: 7.470 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.1	18.6	28.0#
125	31.3	9.0	13.6#

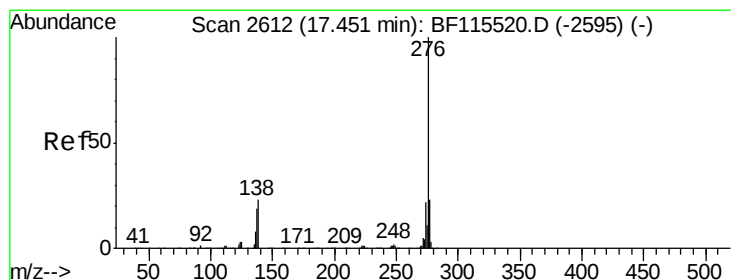
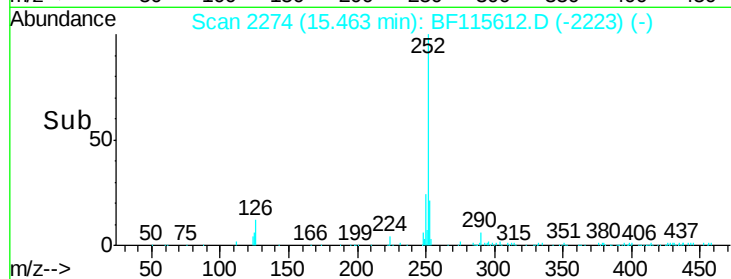
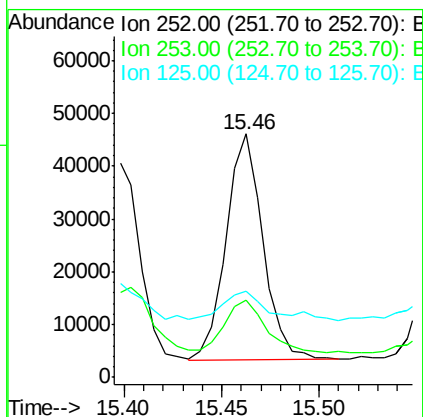
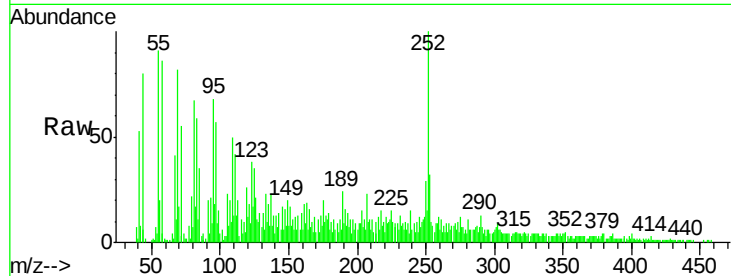




#90
Benzo(a)pyrene
Concen: 3.712 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 55818
Ion Ratio Lower Upper
252 100
253 31.7 17.8 26.6#
125 35.5 9.1 13.7#



#92
Benzo(g,h,i)perylene
Concen: 3.357 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.01 min
Lab File: BF115612.D
Acq: 16 Jul 2019 21:58

Tgt Ion:276 Resp: 44186
Ion Ratio Lower Upper
276 100
277 37.9 19.0 28.4#
138 32.4 17.2 25.8#

