

Data File : BF115651.D
Acq On : 18 Jul 2019 16:57
Operator : HP/JU
Sample : K3874-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 19 07:39:08 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	6.88	152	154009	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	605625	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	286343	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	521284	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	341802	20.00	ng	-0.01
87) Perylene-d12	15.50	264	407212	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	738348	78.42	ng	0.00
7) Phenol-d6	6.51	99	936511	78.39	ng	0.00
23) Nitrobenzene-d5	7.44	82	599180	57.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	256000	76.59	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1093697	66.85	ng	-0.02
79) Terphenyl-d14	12.98	244	1044478	56.38	ng	-0.02

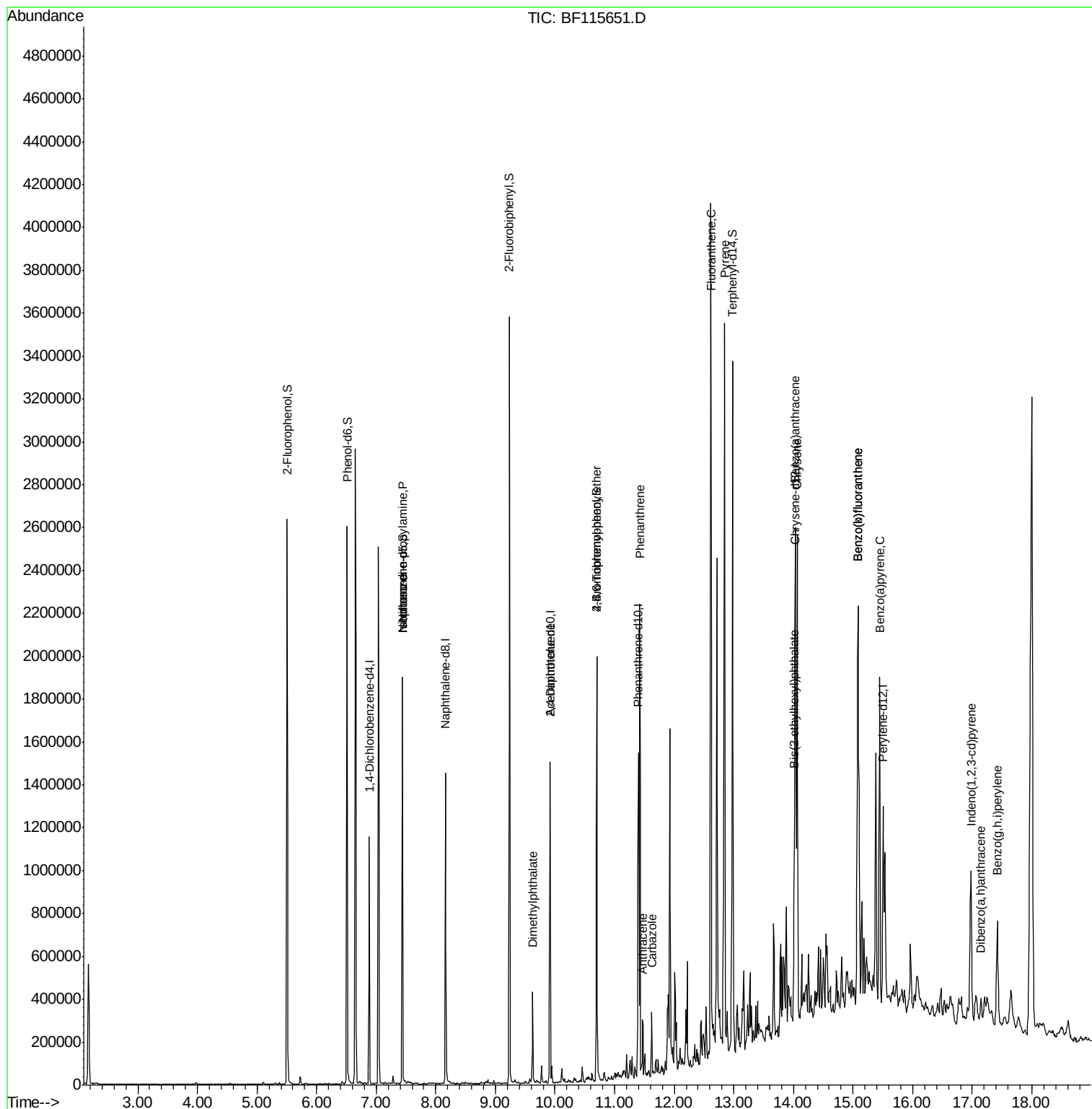
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	79305	10.178	ng	# 78
25) Isophorone	7.44	82	590200	28.318	ng	# 64
50) Dimethylphthalate	9.62	163	157738	7.322	ng	98
57) 2,4-Dinitrotoluene	9.92	165	37202	5.865	ng	# 24
67) 4-Bromophenyl-phenylether	10.70	248	15205	2.552	ng	# 1
71) Phenanthrene	11.42	178	753676	28.206	ng	98
72) Anthracene	11.47	178	104680	3.791	ng	98
73) Carbazole	11.62	167	109939	4.540	ng	97
75) Fluoranthene	12.62	202	1617793	57.294	ng	98
78) Pyrene	12.85	202	1438544	49.676	ng	99
81) Benzo(a)anthracene	14.03	228	763206	33.893	ng	98
83) Chrysene	14.06	228	877240	38.807	ng	97
84) Bis(2-ethylhexyl)phthalate	14.01	149	88257	5.772	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.98	276	486038	25.308	ng	94
88) Benzo(b)fluoranthene	15.08	252	1509998	57.587	ng	97
89) Benzo(k)fluoranthene	15.08	252	1509998	64.592	ng	99
90) Benzo(a)pyrene	15.44	252	701515	31.128	ng	98
91) Dibenzo(a,h)anthracene	17.14	278	77171	3.900	ng	93
92) Benzo(g,h,i)perylene	17.42	276	411029	20.830	ng	99

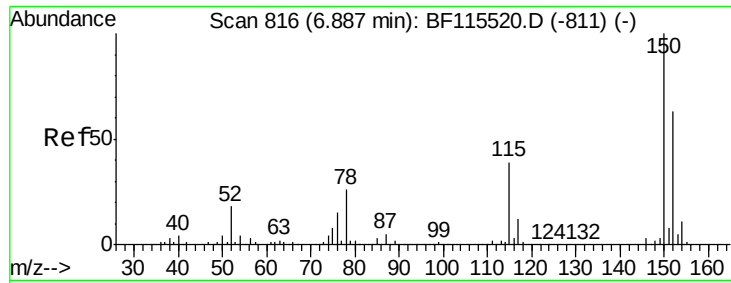
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BF115651.D
Acq On : 18 Jul 2019 16:57
Operator : HP/JU
Sample : K3874-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 19 07:39:08 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



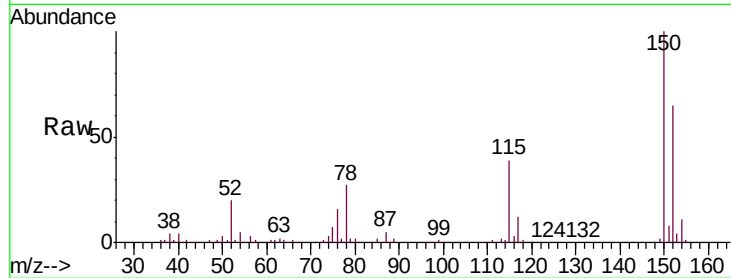


#1

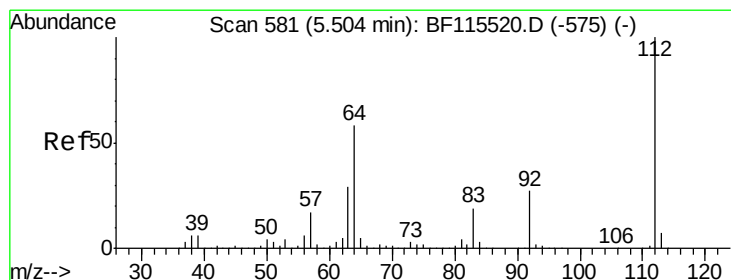
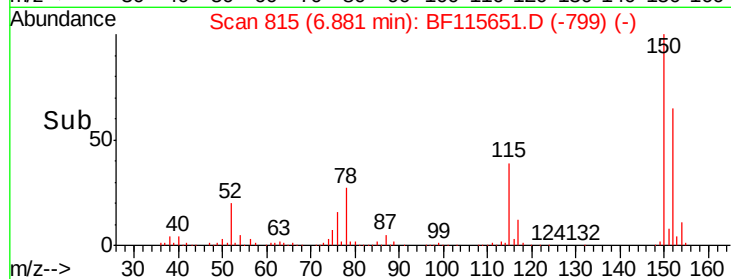
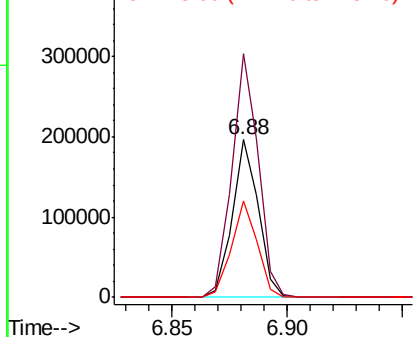
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:152 Resp: 154009
Ion Ratio Lower Upper
152 100
150 154.9 129.7 194.5
115 61.1 48.2 72.4



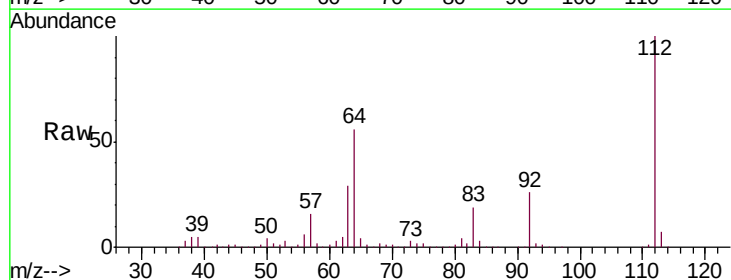
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



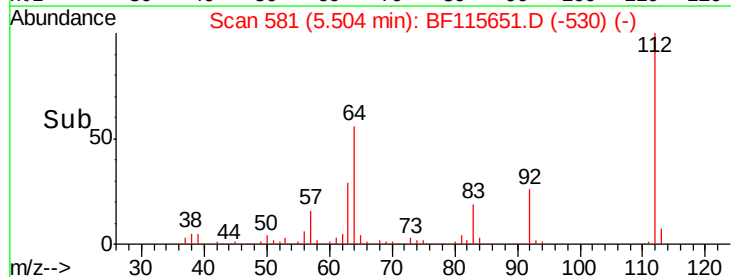
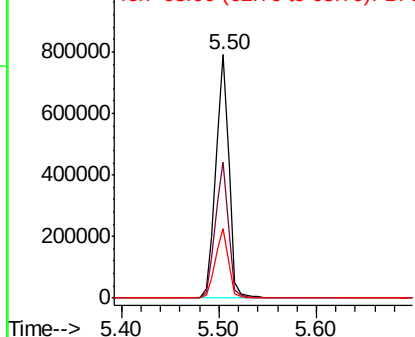
#5

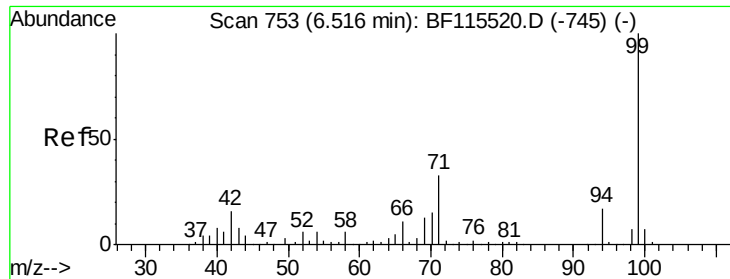
2-Fluorophenol
Concen: 78.419 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Tgt Ion:112 Resp: 738348
Ion Ratio Lower Upper
112 100
64 56.1 46.8 70.2
63 28.6 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: 78.388 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampleId :

DFTPP

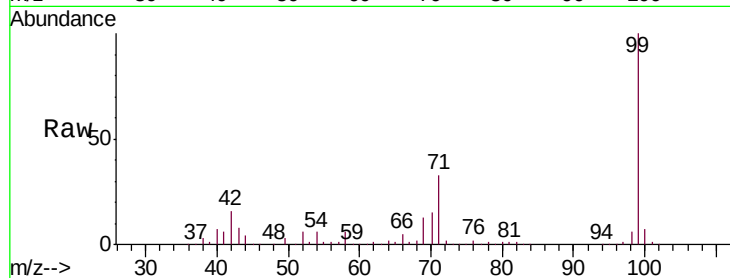
Tgt Ion: 99 Resp: 936511

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

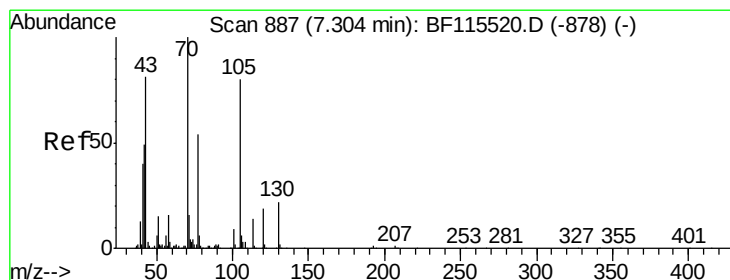
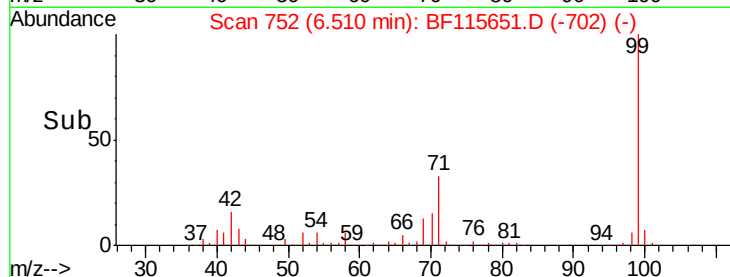
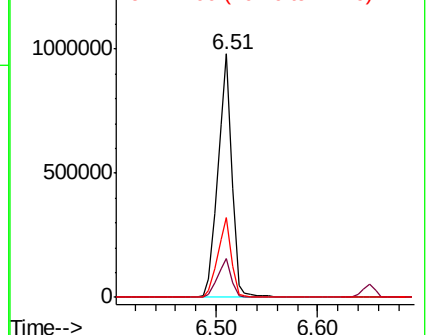
71 32.7 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.178 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Tgt Ion: 70 Resp: 79305

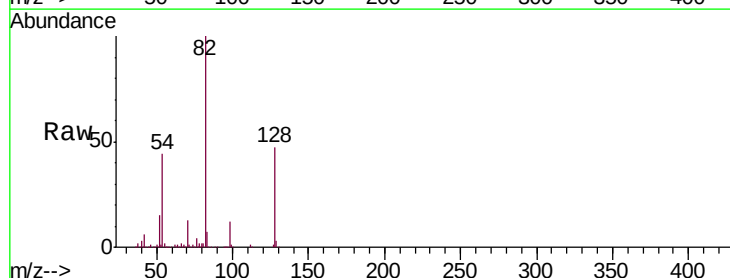
Ion Ratio Lower Upper

70 100

42 41.6 39.6 59.4

101 0.0 8.1 12.1#

130 2.2 18.2 27.2#

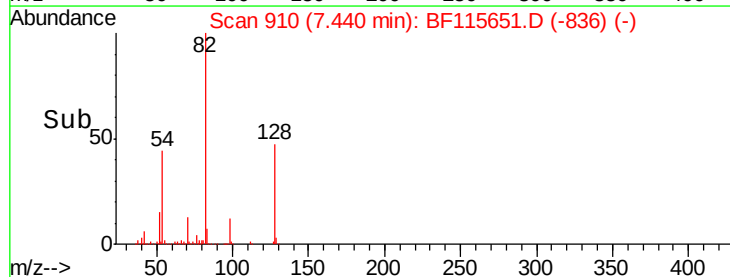
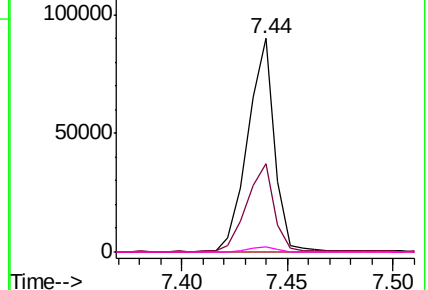


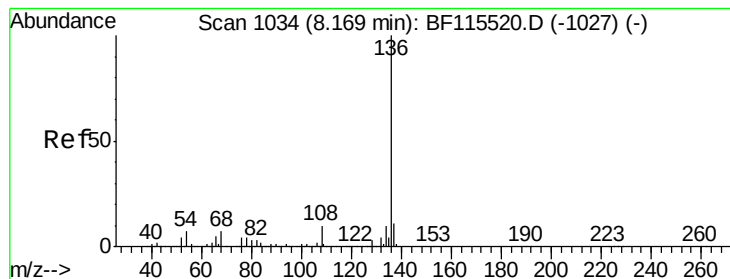
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampleId :

DFTPP

Tgt Ion: 136 Resp: 605625

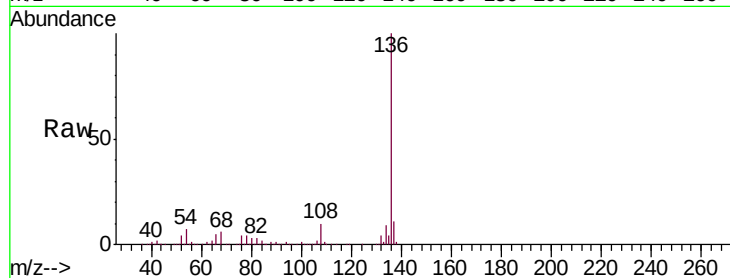
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.9 5.6 8.4

68 6.4 5.0 7.6

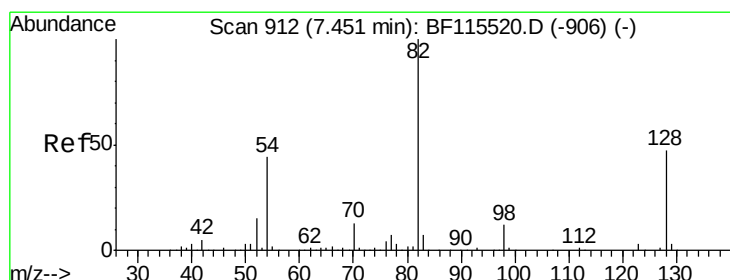
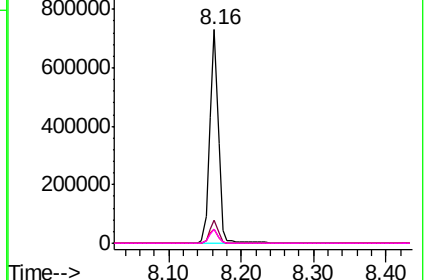
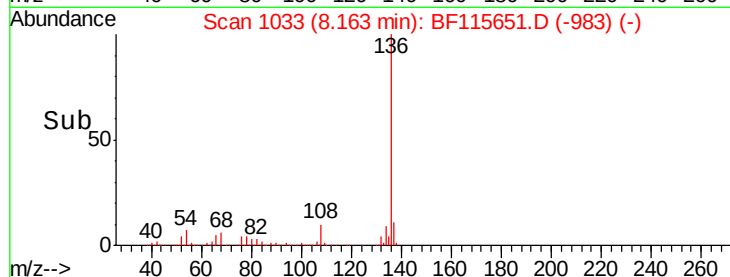


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.528 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

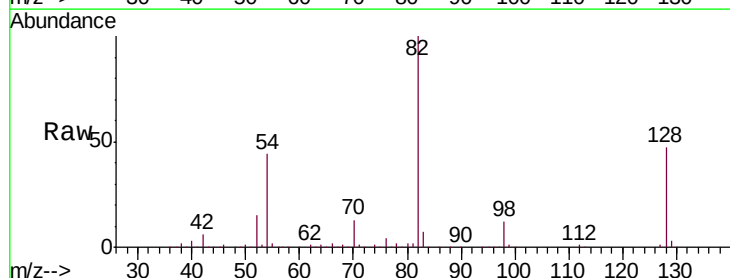
Tgt Ion: 82 Resp: 599180

Ion Ratio Lower Upper

82 100

128 47.3 38.6 57.8

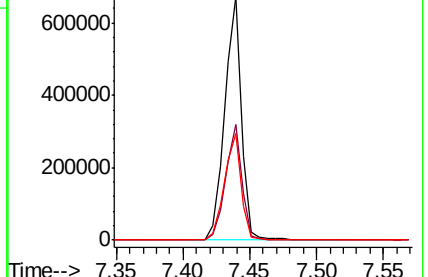
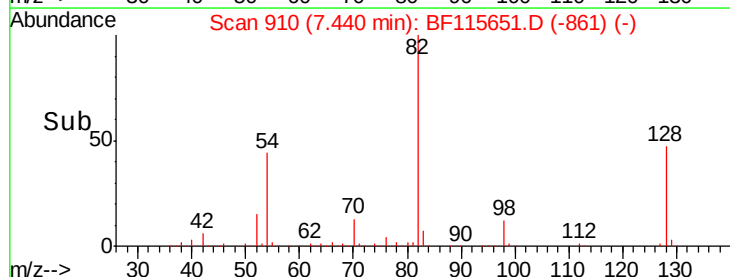
54 43.7 35.6 53.4

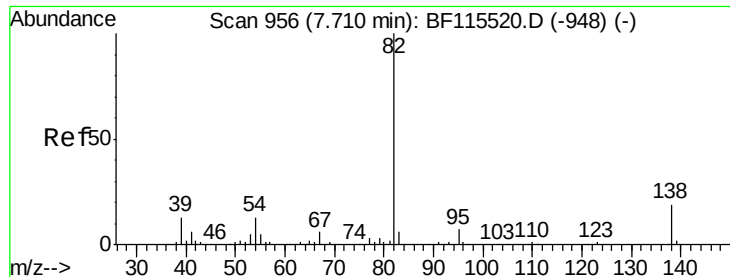


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.318 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampleId :

DFTPP

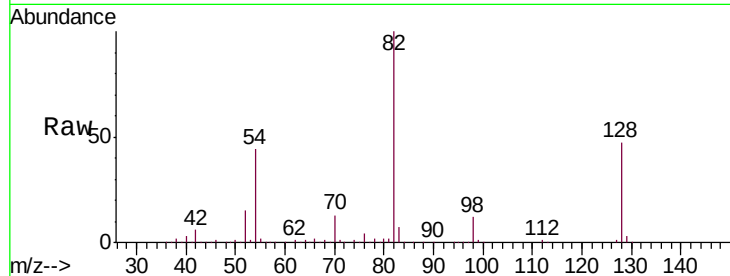
Tgt Ion: 82 Resp: 590200

Ion Ratio Lower Upper

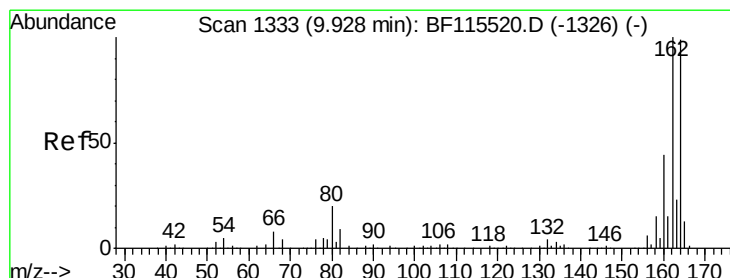
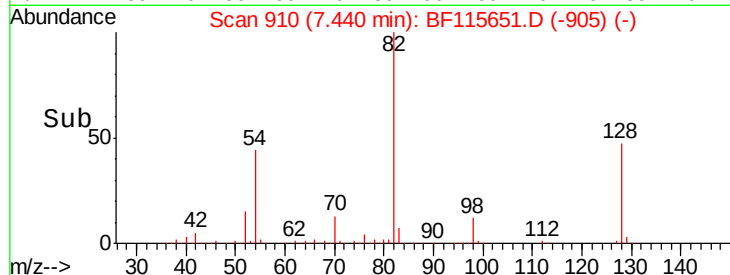
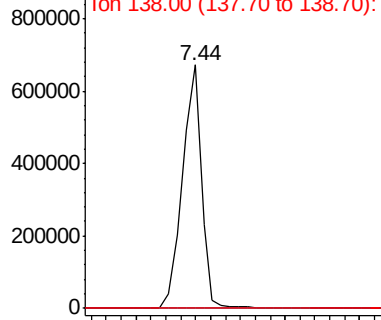
82 100

95 0.1 5.5 8.3#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF115520.D (-948) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

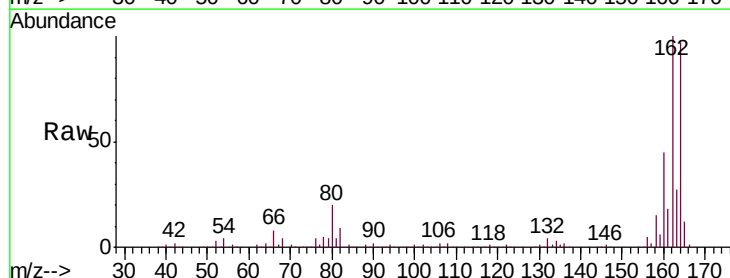
Tgt Ion: 164 Resp: 286343

Ion Ratio Lower Upper

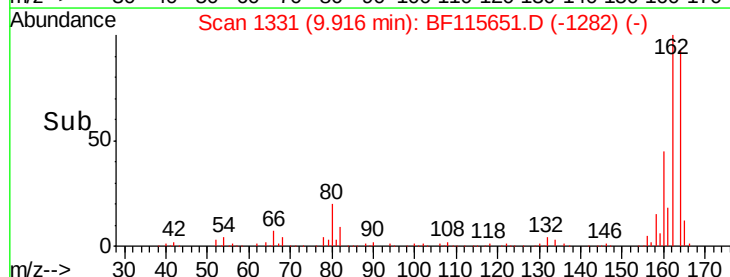
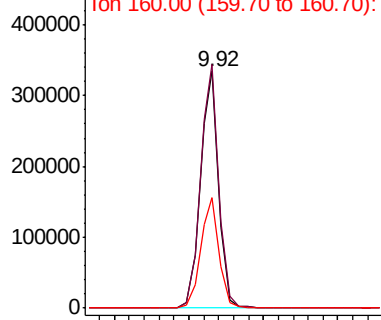
164 100

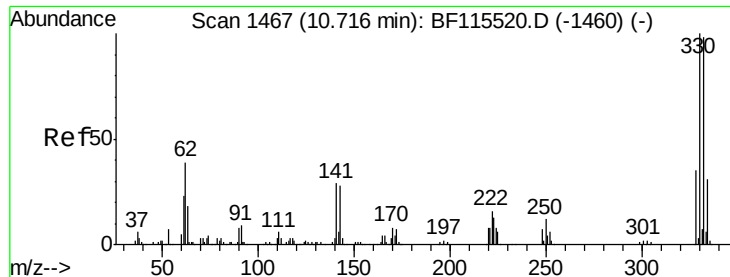
162 102.7 82.9 124.3

160 46.5 36.8 55.2



Abundance Ion 164.00 (163.70 to 164.70): BF115520.D (-1326) (-)

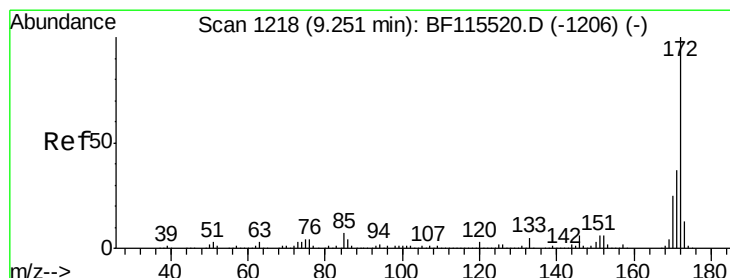
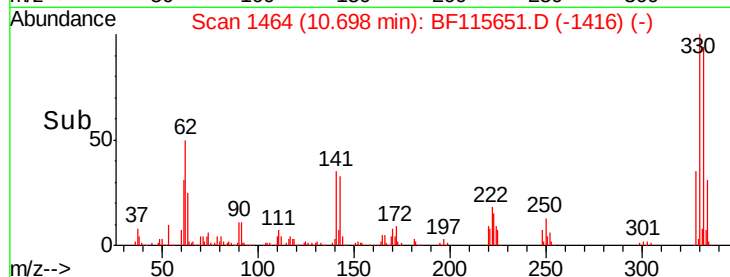
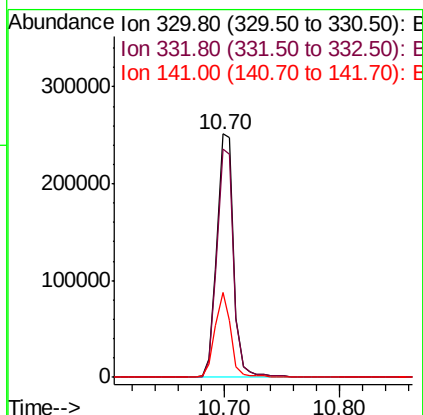
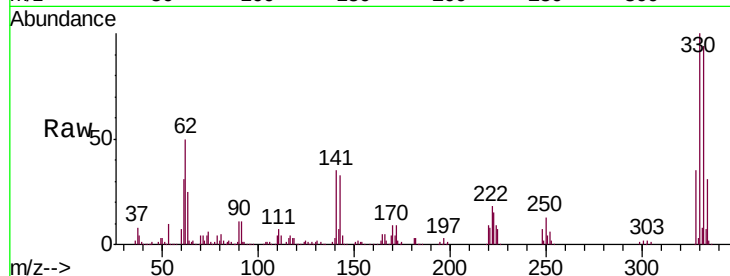




#42
 2,4,6-Tribromophenol
 Concen: 76.594 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115651.D
 Acq: 18 Jul 2019 16:57

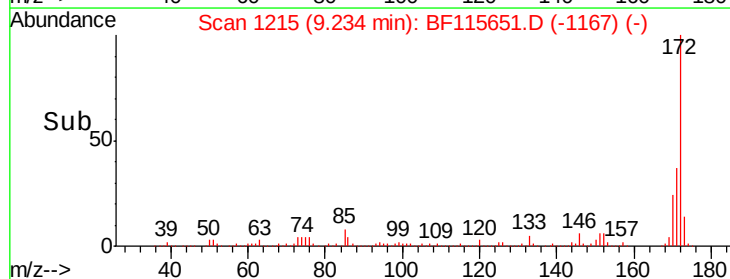
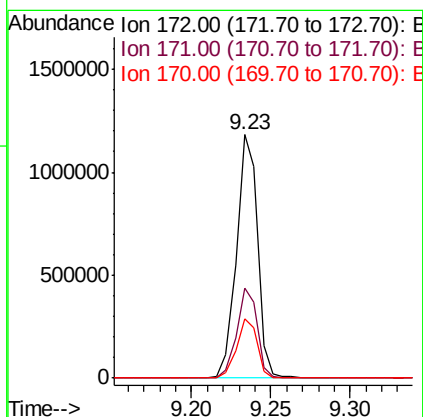
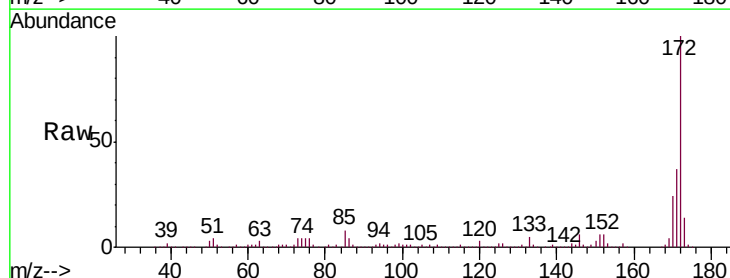
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

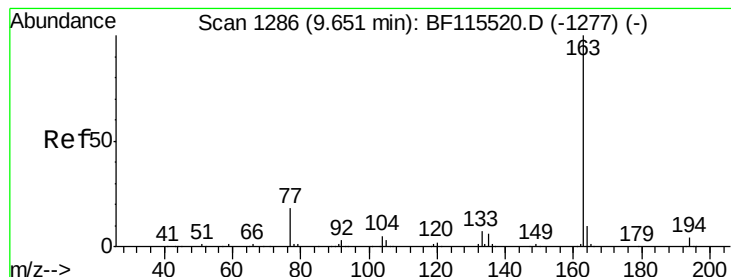
Tgt Ion:330 Resp: 256000
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.4 116.2
 141 32.3 22.4 33.6



#45
 2-Fluorobiphenyl
 Concen: 66.853 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115651.D
 Acq: 18 Jul 2019 16:57

Tgt Ion:172 Resp: 1093697
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.6 46.0
 170 24.4 20.5 30.7





#50

Dimethylphthalate

Concen: 7.322 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampled :

DFTPP

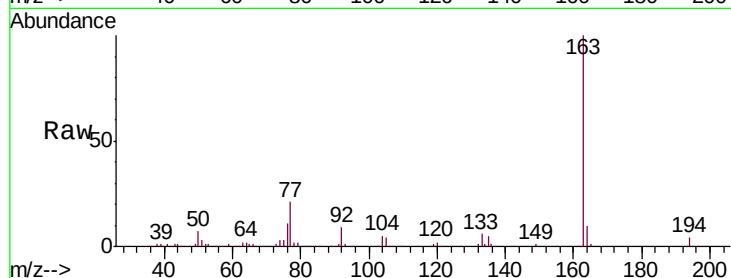
Tgt Ion:163 Resp: 157738

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

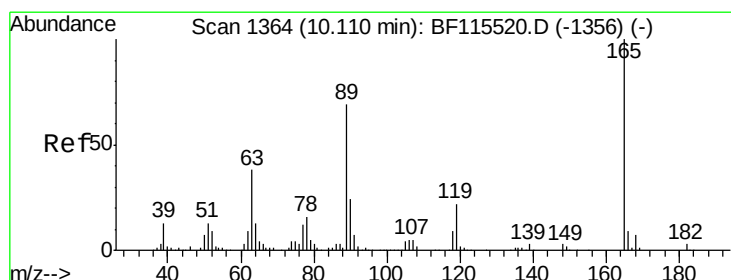
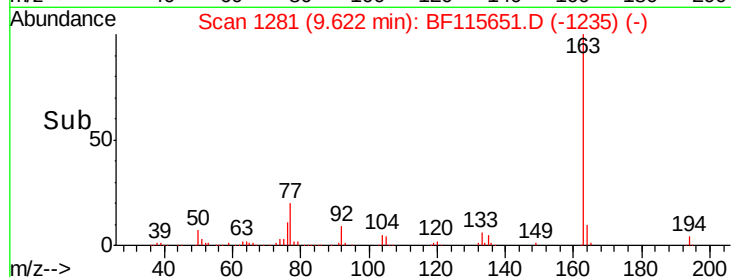
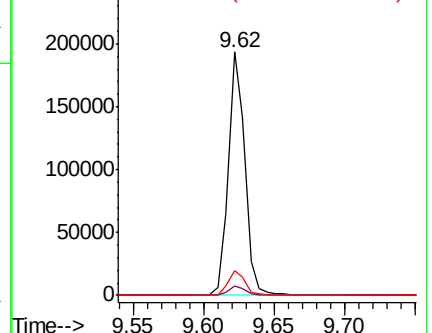
164 10.3 8.7 13.1



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: 5.865 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Tgt Ion:165 Resp: 37202

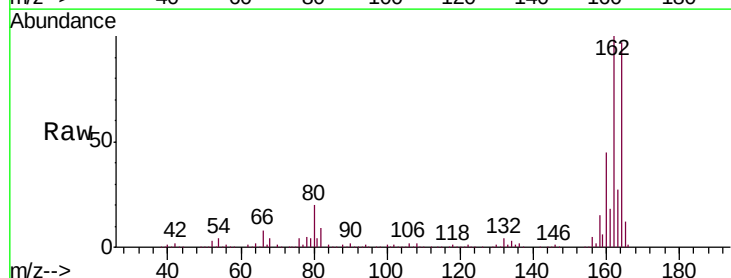
Ion Ratio Lower Upper

165 100

63 1.3 34.9 52.3#

89 1.5 57.5 86.3#

182 0.0 2.2 3.4#

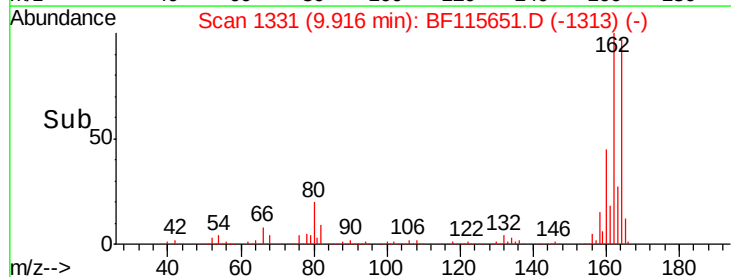
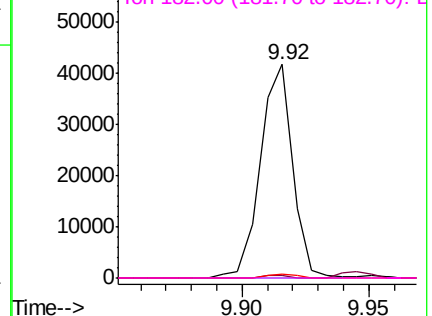


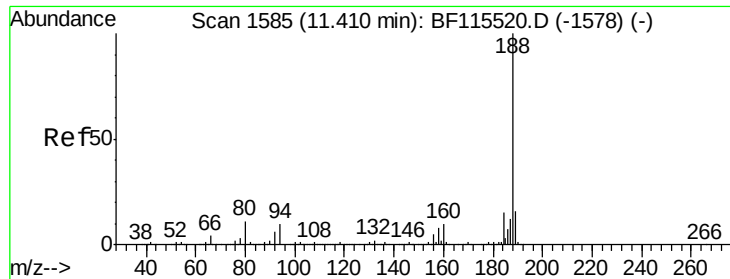
Abundance Ion 165.00 (164.70 to 165.70): E

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

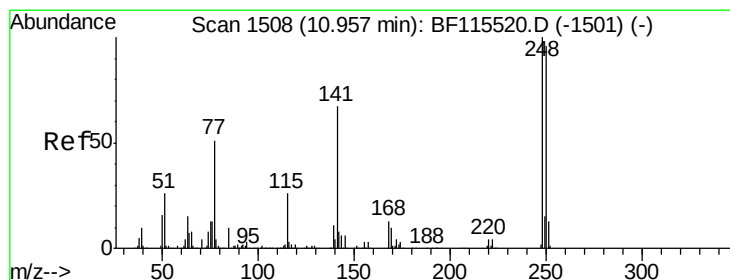
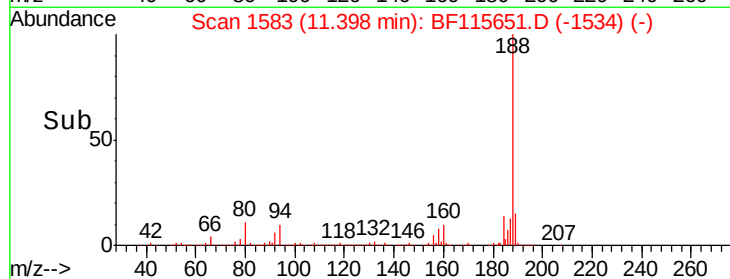
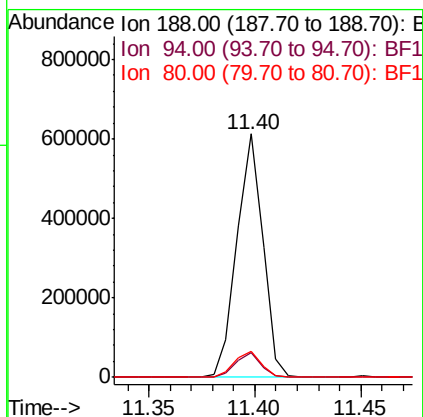
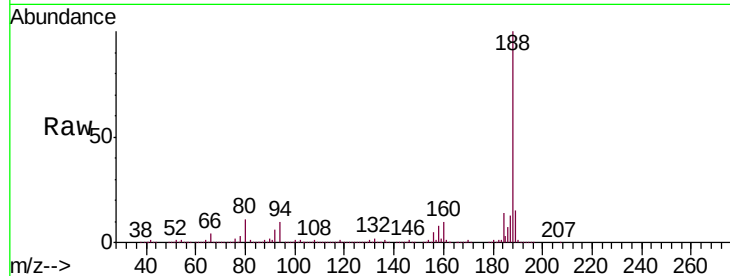




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

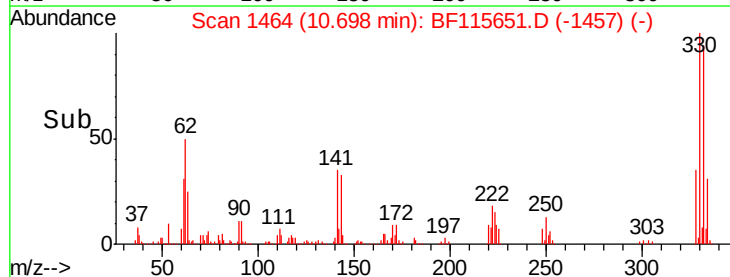
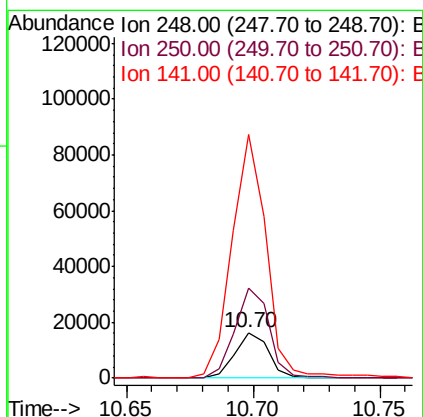
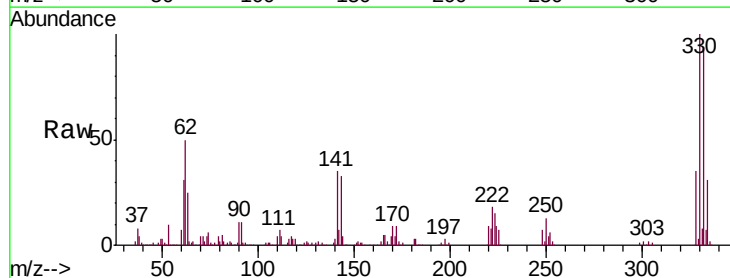
Instrument :
BNA_F
ClientSampleId :
DFTPP

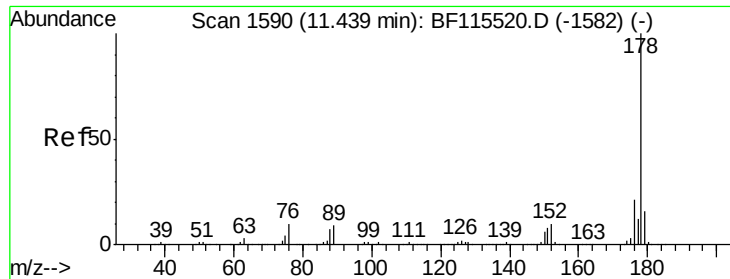
Tgt Ion:188 Resp: 521284
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.7 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 2.552 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.26 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Tgt Ion:248 Resp: 15205
Ion Ratio Lower Upper
248 100
250 196.5 78.0 117.0#
141 533.7 57.7 86.5#

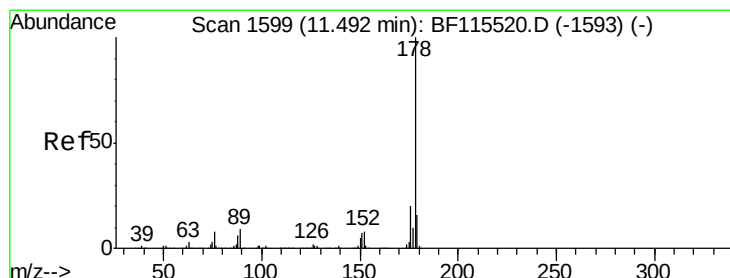
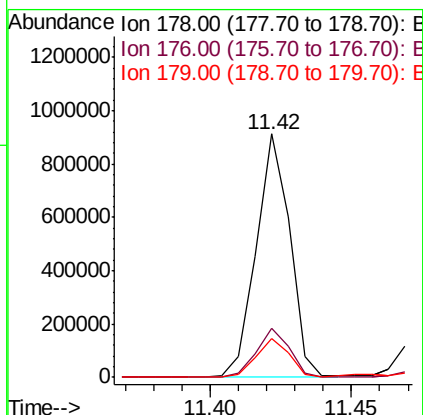
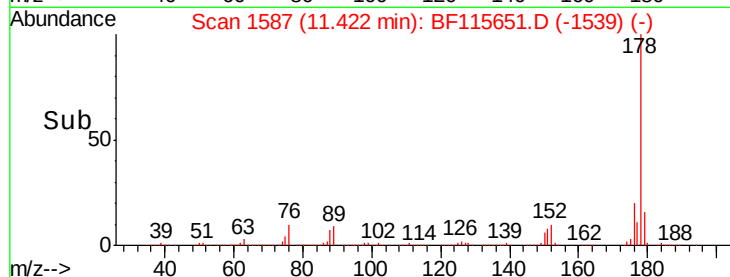
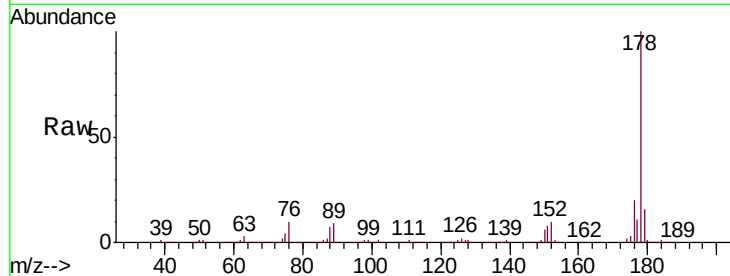




#71
Phenanthrene
Concen: 28.206 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

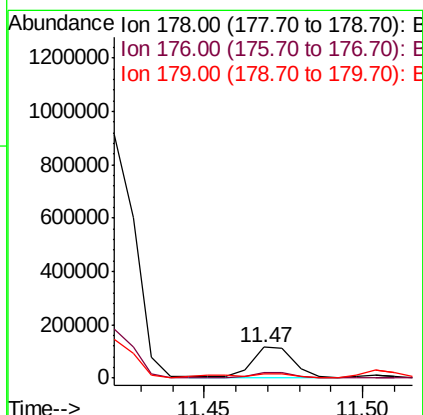
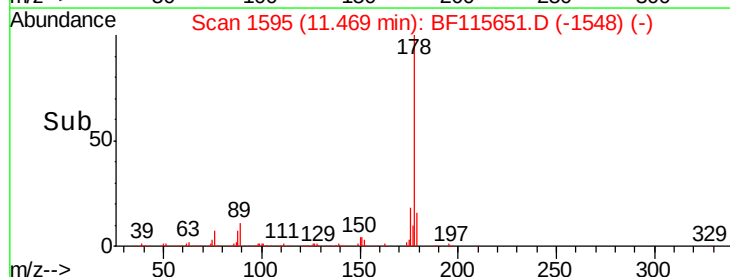
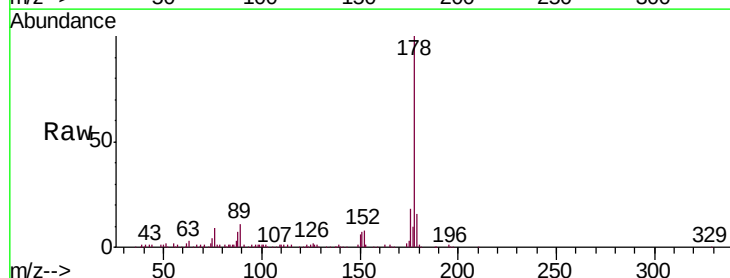
Instrument :
BNA_F
ClientSampleId :
DFTPP

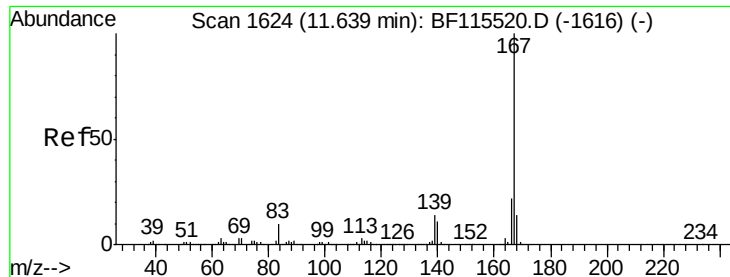
Tgt Ion:178 Resp: 753676
Ion Ratio Lower Upper
178 100
176 20.3 17.2 25.8
179 16.1 13.5 20.3



#72
Anthracene
Concen: 3.791 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Tgt Ion:178 Resp: 104680
Ion Ratio Lower Upper
178 100
176 18.0 15.9 23.9
179 16.0 12.7 19.1





#73

Carbazole

Concen: 4.540 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampleId :

DFTPP

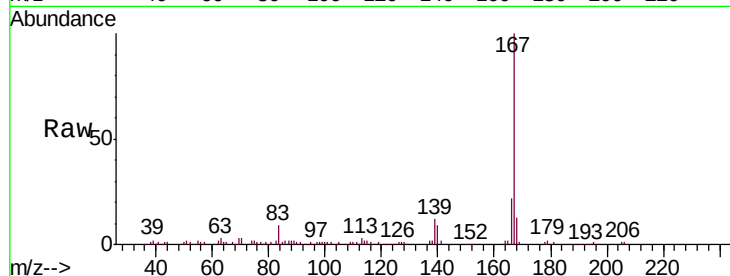
Tgt Ion:167 Resp: 109939

Ion Ratio Lower Upper

167 100

166 21.7 18.1 27.1

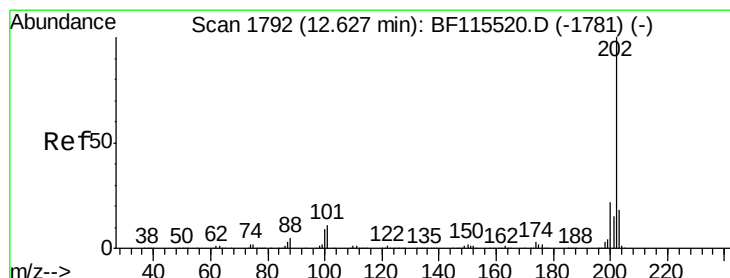
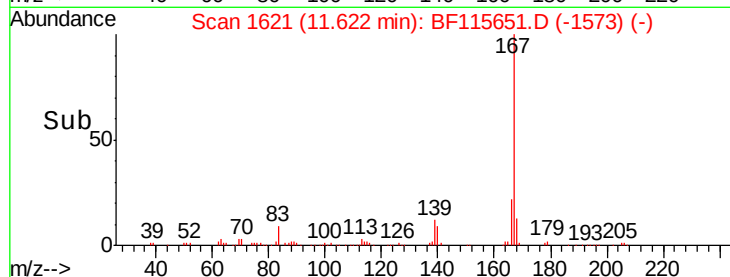
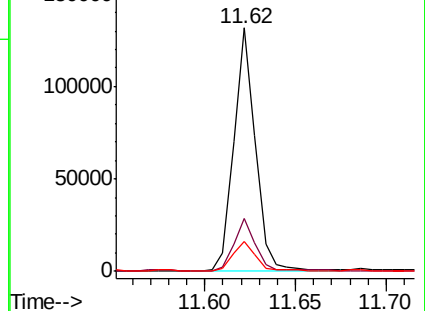
139 12.1 11.3 16.9



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: 57.294 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

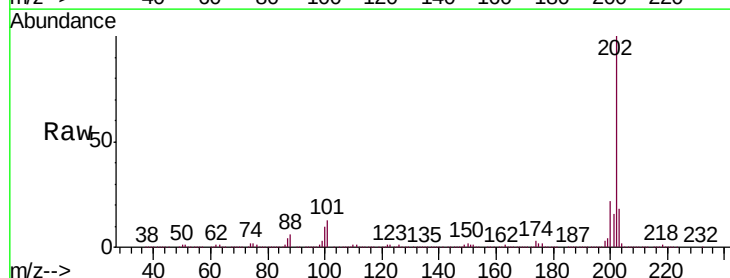
Tgt Ion:202 Resp: 1617793

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.4

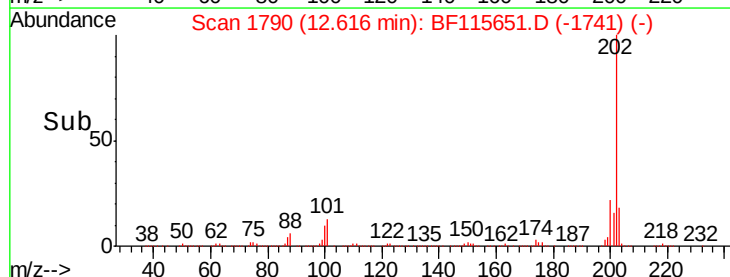
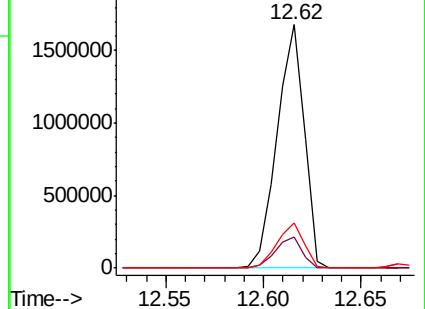
203 18.5 0.0 38.1

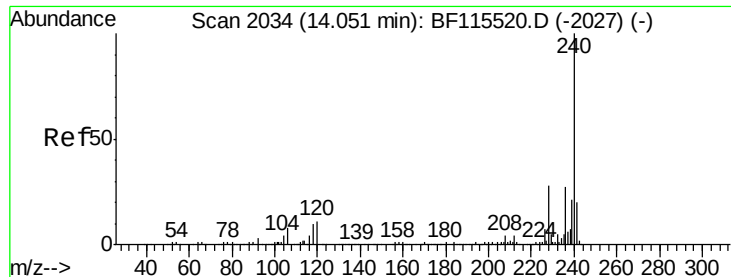


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

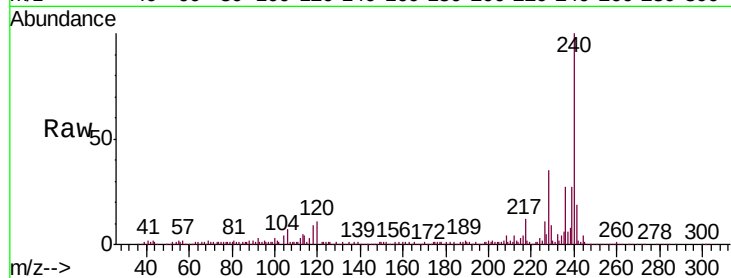




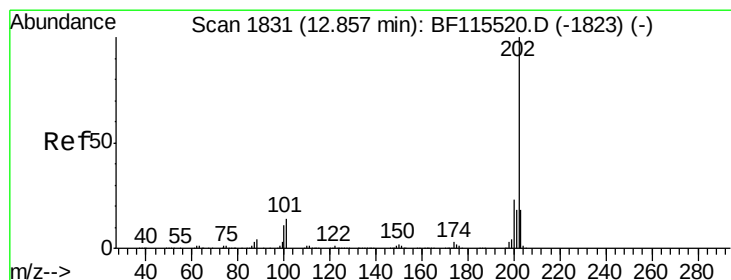
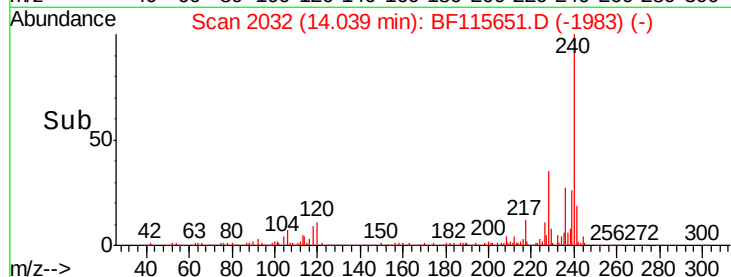
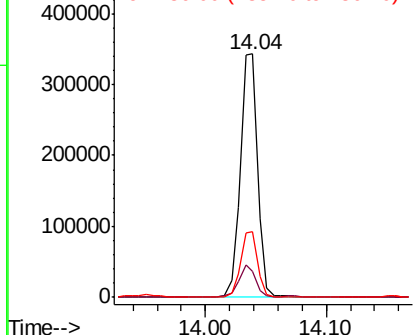
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:240 Resp: 341802
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 27.1 21.3 31.9

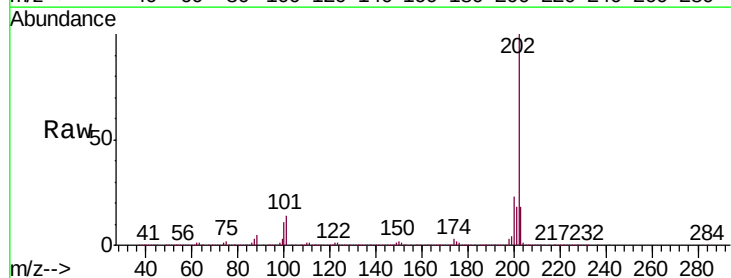


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

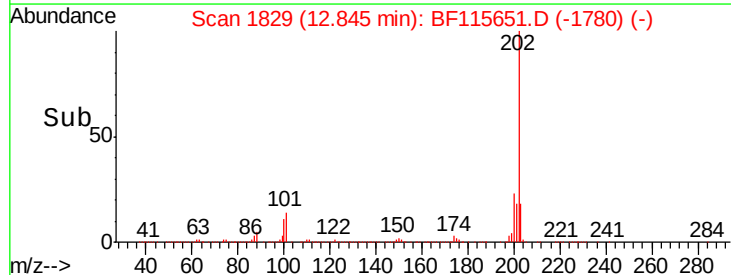
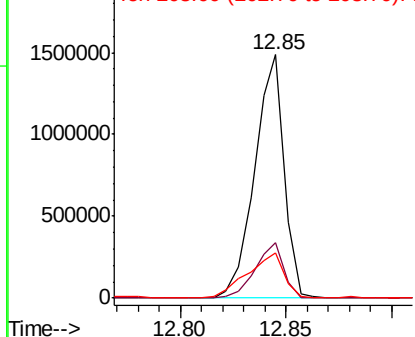


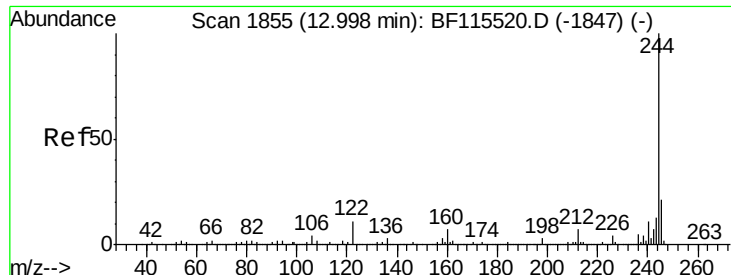
#78
Pyrene
Concen: 49.676 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Tgt Ion:202 Resp: 1438544
Ion Ratio Lower Upper
202 100
200 22.8 18.7 28.1
203 18.4 15.2 22.8



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: 56.385 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampleId :

DFTPP

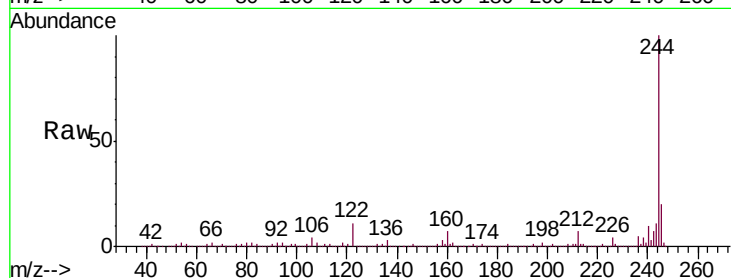
Tgt Ion:244 Resp: 1044478

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

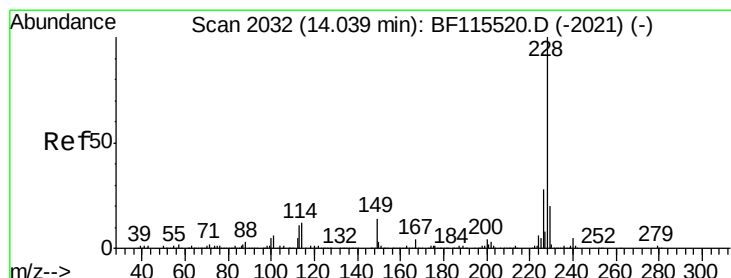
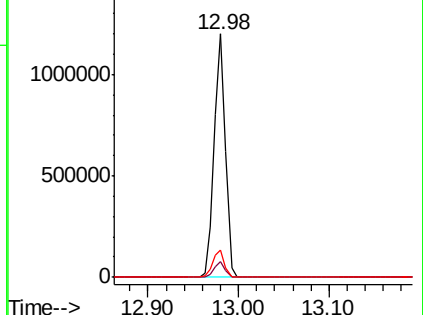
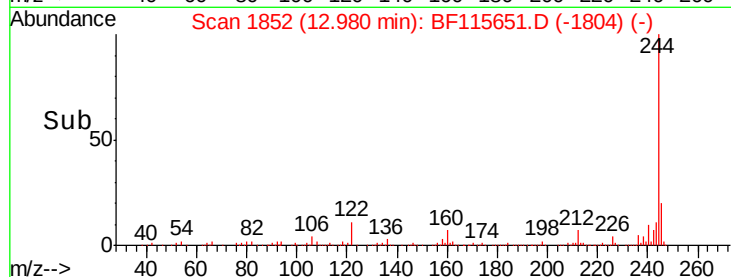
122 11.4 8.6 12.8



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: 33.893 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

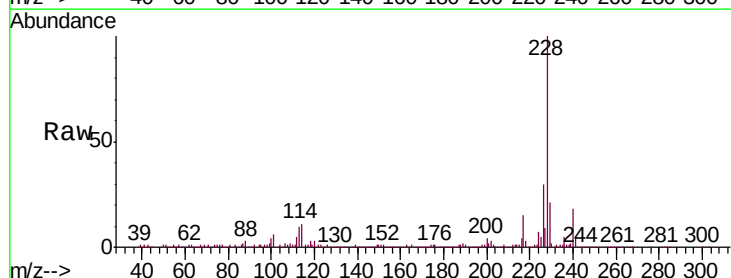
Tgt Ion:228 Resp: 763206

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

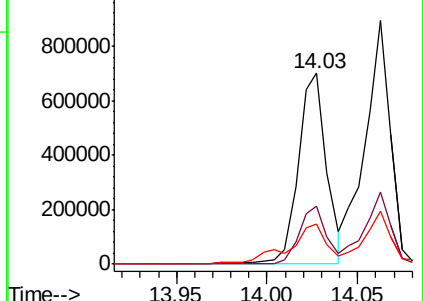
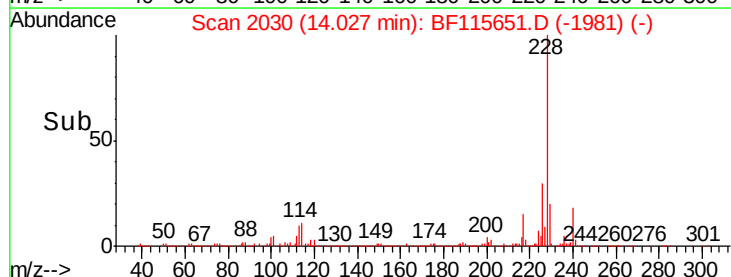
229 20.8 17.2 25.8

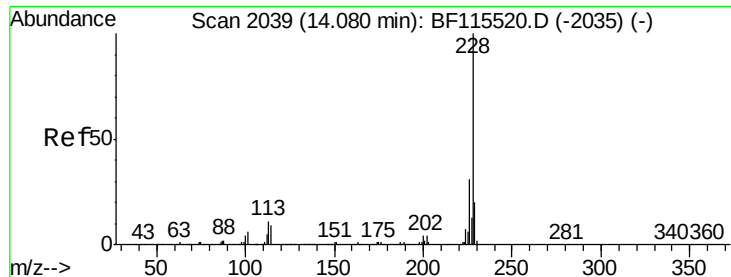


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 38.807 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.02 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampleId :

DFTPP

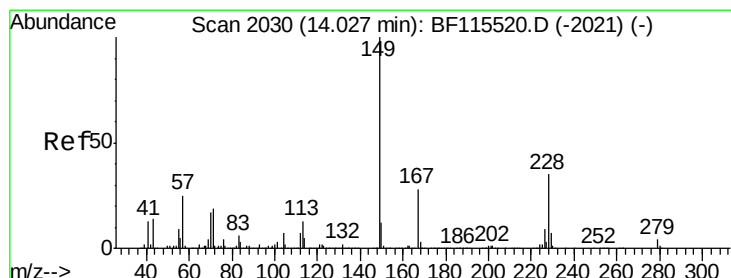
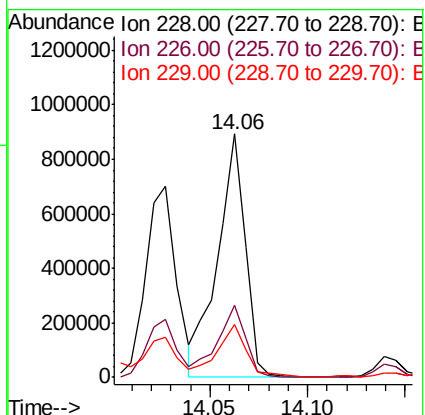
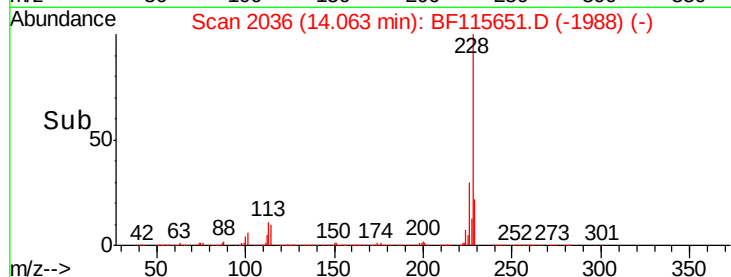
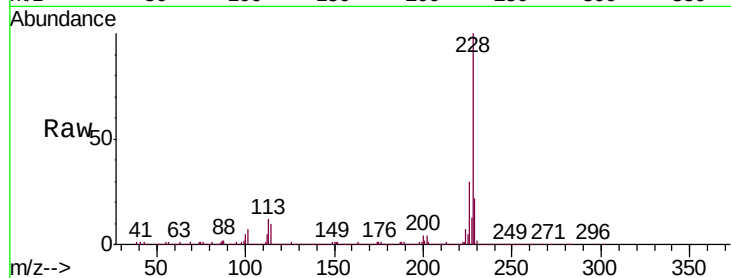
Tgt Ion:228 Resp: 877240

Ion Ratio Lower Upper

228 100

226 29.9 25.7 38.5

229 21.9 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.772 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

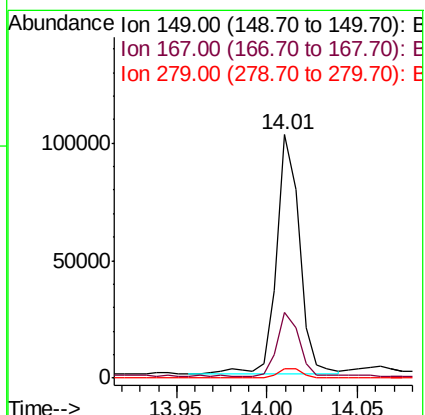
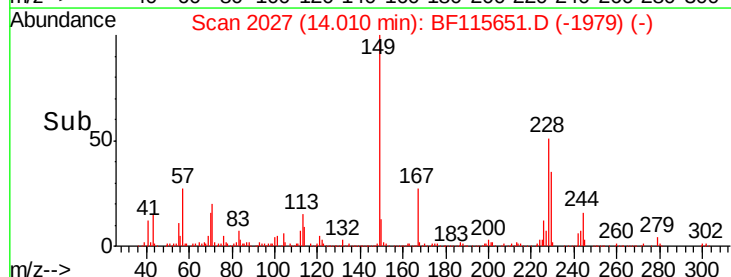
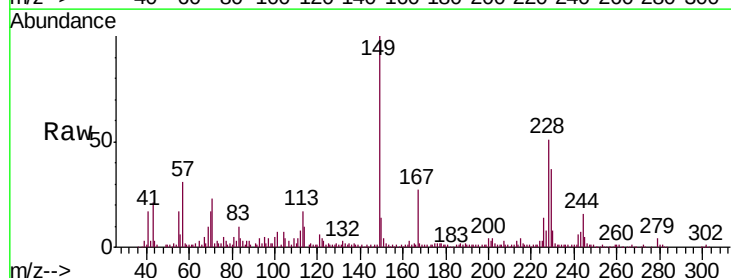
Tgt Ion:149 Resp: 88257

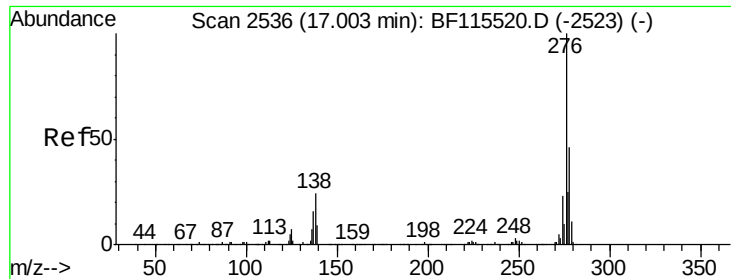
Ion Ratio Lower Upper

149 100

167 26.9 23.0 34.4

279 3.9 4.2 6.2#

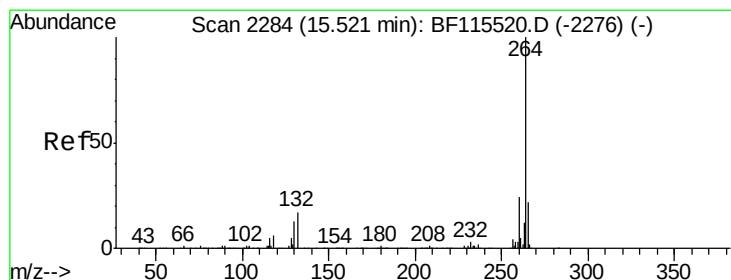
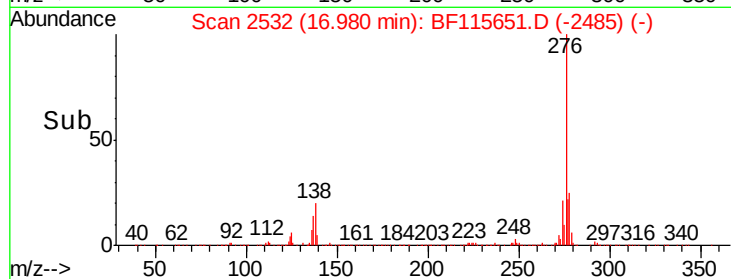
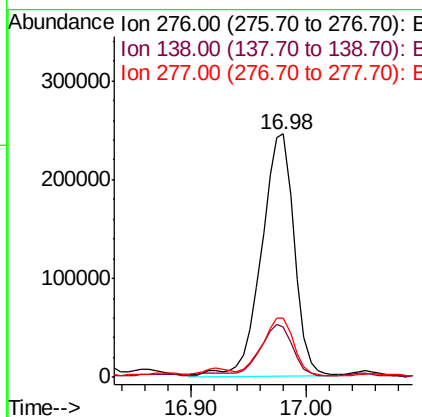
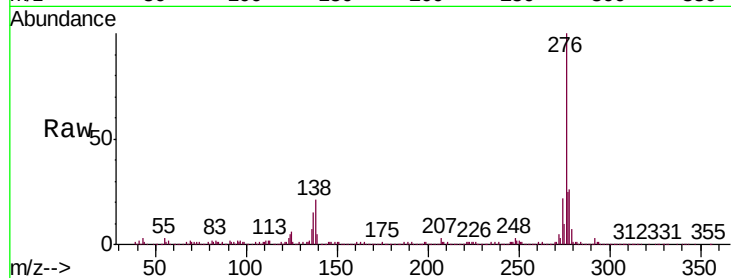




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 25.308 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.02 min
 Lab File: BF115651.D
 Acq: 18 Jul 2019 16:57

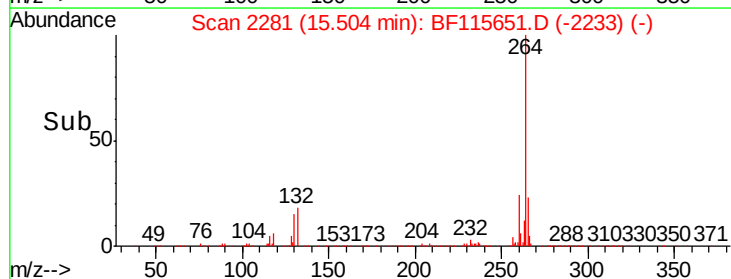
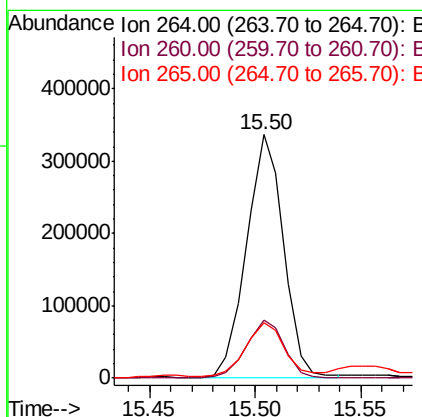
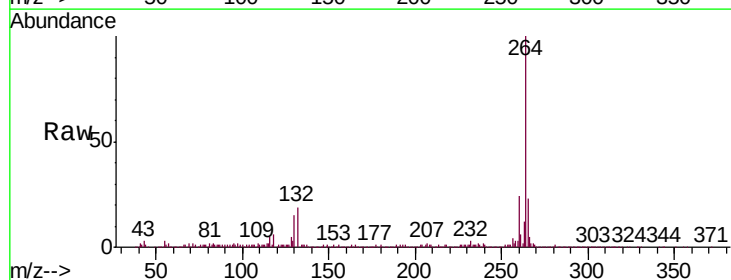
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

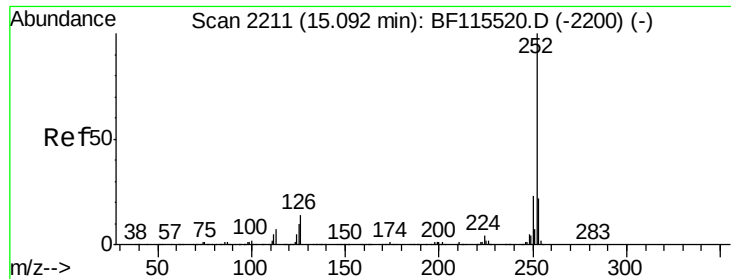
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	20.2	30.2
277	23.4	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF115651.D
 Acq: 18 Jul 2019 16:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.8	29.8
265	23.0	17.7	26.5

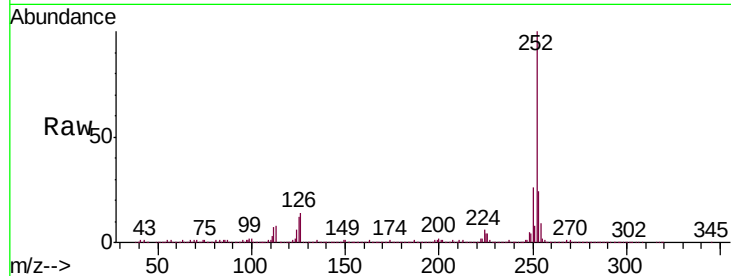




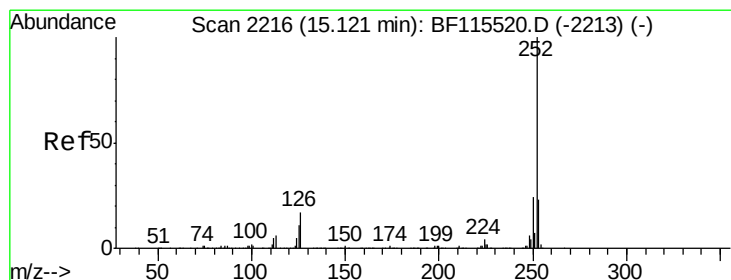
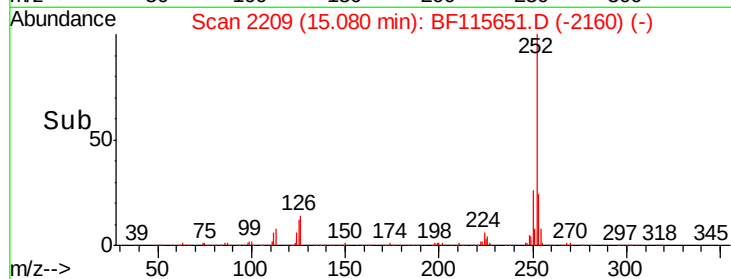
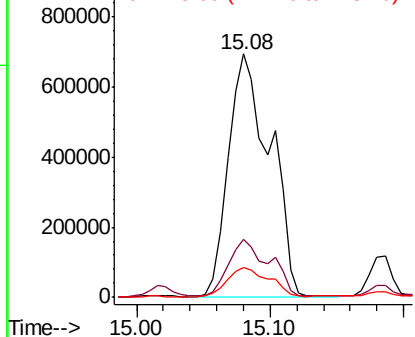
#88
Benzo(b)fluoranthene
Concen: 57.587 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:252 Resp: 1509998
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 12.3 9.0 13.4

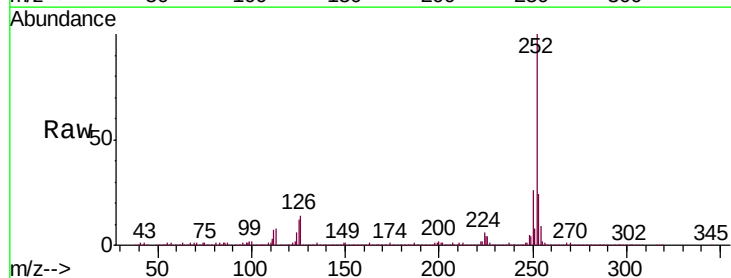


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

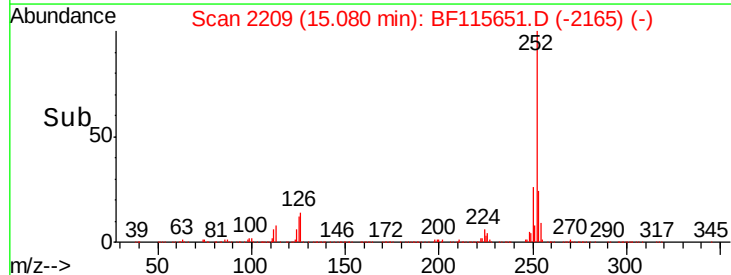
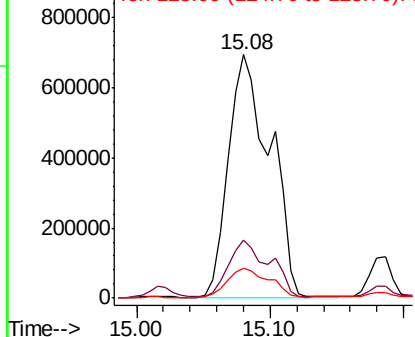


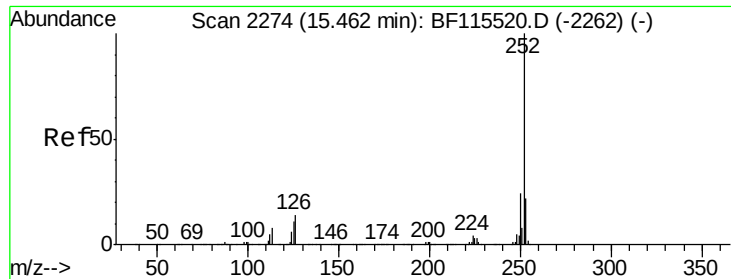
#89
Benzo(k)fluoranthene
Concen: 64.592 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Tgt Ion:252 Resp: 1509998
Ion Ratio Lower Upper
252 100
253 23.7 18.6 28.0
125 12.3 9.0 13.6



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

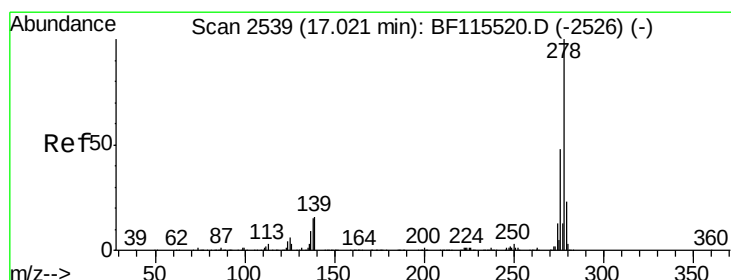
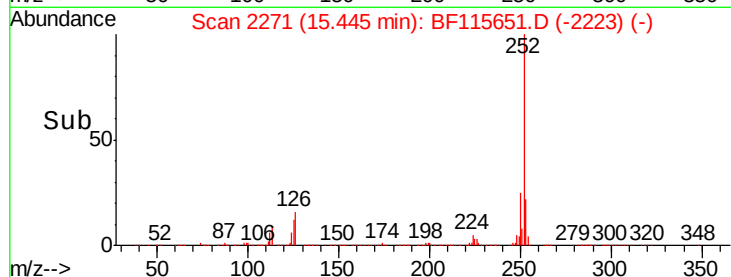
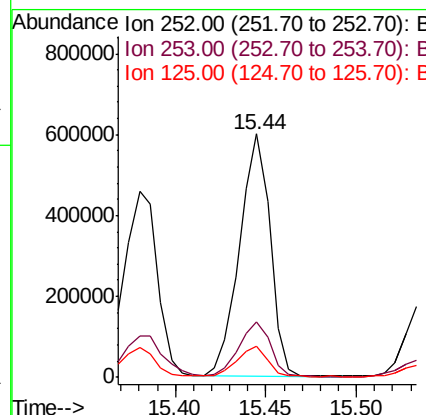
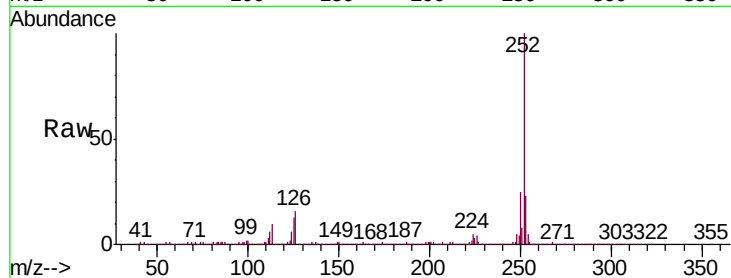




#90
Benzo(a)pyrene
Concen: 31.128 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

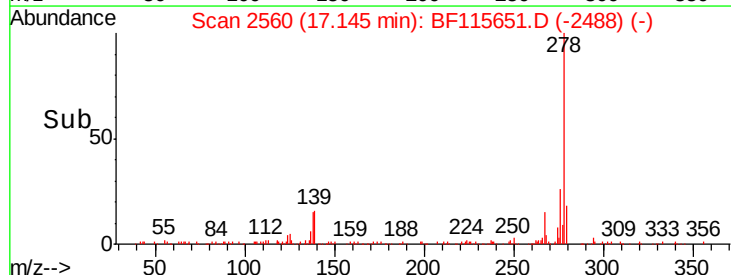
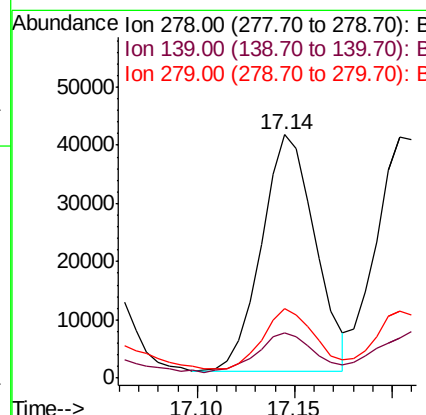
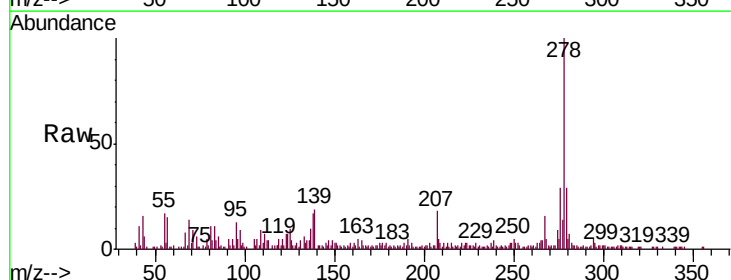
Instrument :
BNA_F
ClientSampleId :
DFTPP

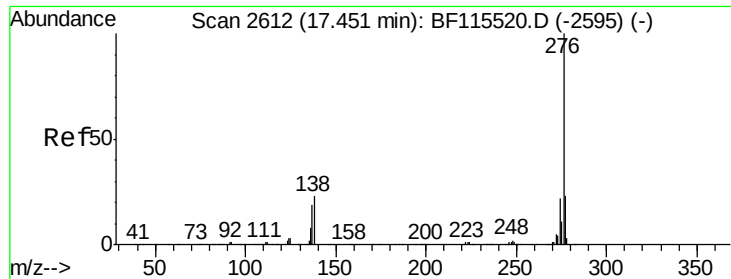
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	12.6	9.1	13.7



#91
Dibenzo(a,h)anthracene
Concen: 3.900 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.12 min
Lab File: BF115651.D
Acq: 18 Jul 2019 16:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	13.1	19.7
279	28.8	19.6	29.4





#92

Benzo(g,h,i)perylene

Concen: 20.830 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.03 min

Lab File: BF115651.D

Acq: 18 Jul 2019 16:57

Instrument :

BNA_F

ClientSampleId :

DFTPP

Tgt Ion: 276 Resp: 411029

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.4

138 22.0 17.2 25.8

