

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116967.D
 Acq On : 12 Sep 2019 00:41
 Operator : HP/JU
 Sample : K4787-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:08:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

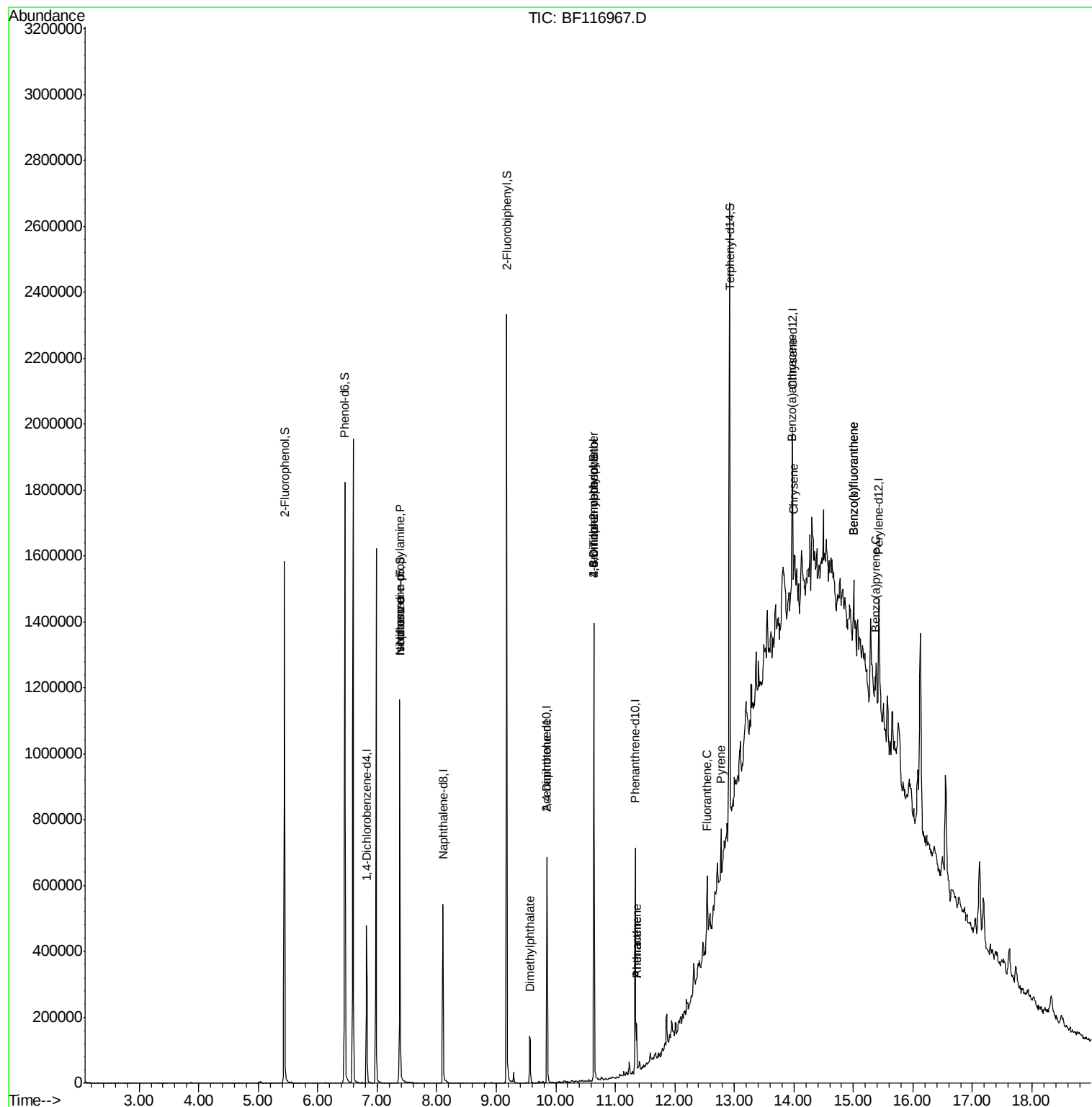
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67844	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	271345	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	143684	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	234912	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	144629	20.00	ng	-0.01
87) Perylene-d12	15.43	264	165878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	495116	118.23	ng	0.00
7) Phenol-d6	6.46	99	670700	121.97	ng	-0.02
23) Nitrobenzene-d5	7.38	82	415490	87.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	142222	148.06	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	717052	84.18	ng	-0.02
79) Terphenyl-d14	12.92	244	613949	78.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	55254	15.261	ng	Qvalue # 71
25) Isophorone	7.38	82	415481	43.138	ng	# 66
50) Dimethylphthalate	9.57	163	61319	6.181	ng	97
57) 2,4-Dinitrotoluene	9.85	165	17822	7.701	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	283	7.727	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	9440	3.956	ng	# 1
71) Phenanthrene	11.36	178	46243	3.536	ng	98
72) Anthracene	11.36	178	46243	3.513	ng	98
75) Fluoranthene	12.55	202	83104	6.467	ng	99
78) Pyrene	12.77	202	69458	5.403	ng	98
81) Benzo(a)anthracene	13.96	228	28774	3.143	ng	92
83) Chrysene	14.00	228	26419	2.801	ng	# 93
88) Benzo(b)fluoranthene	15.01	252	43193	4.307	ng	# 24
89) Benzo(k)fluoranthene	15.01	252	43193	4.724	ng	# 24
90) Benzo(a)pyrene	15.36	252	22981	2.634	ng	# 33

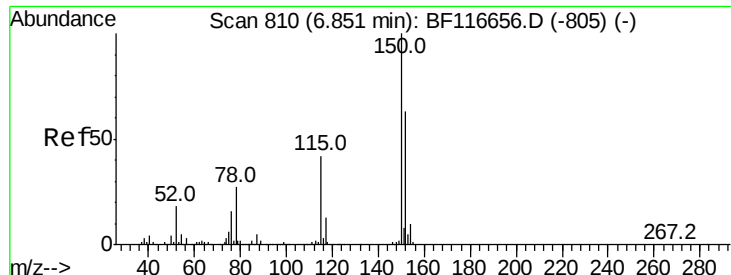
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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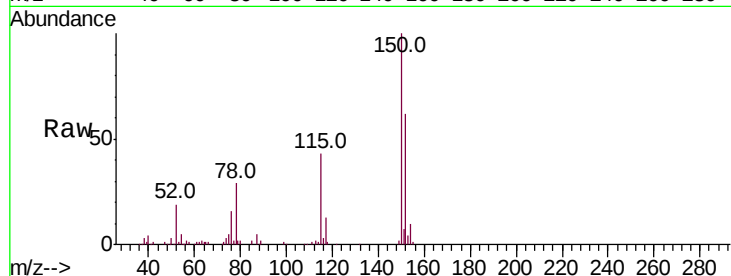


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.4	186.6
115	68.4	49.9	74.9

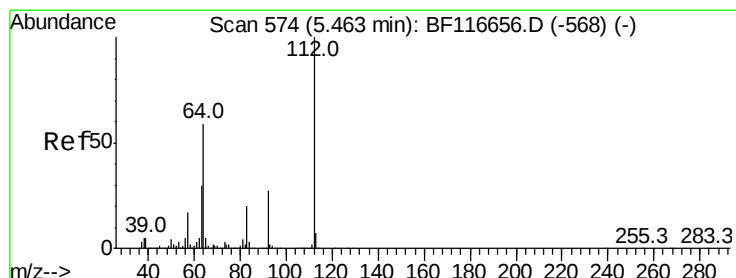
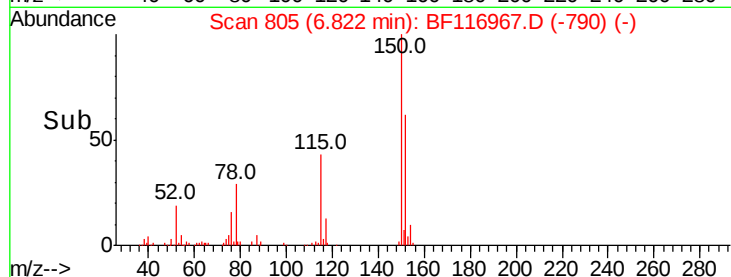
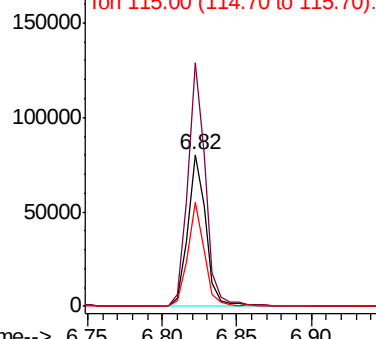


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

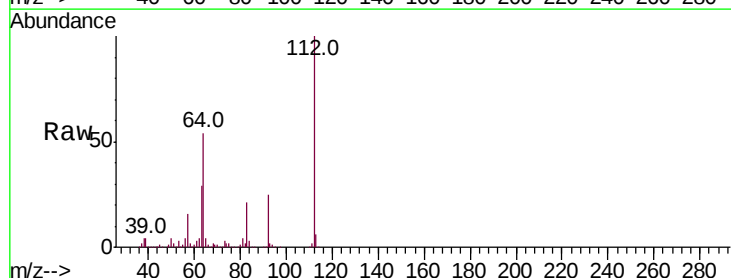
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.229 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.1	70.7
63	28.7	24.9	37.3

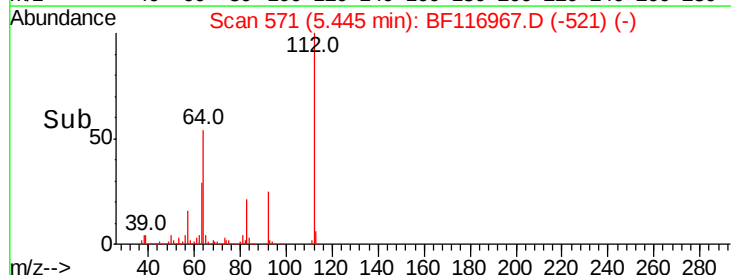
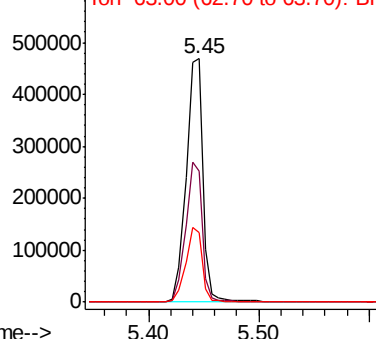


Abundance

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: 121.968 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

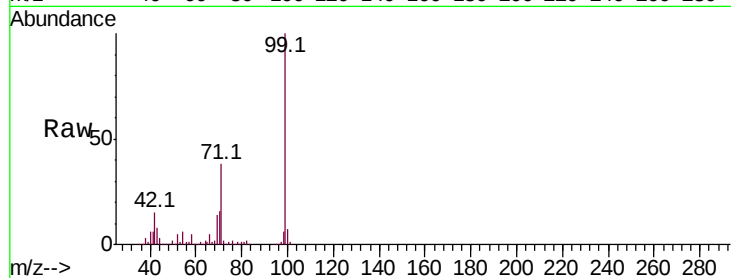
Tot Ion: 99 Resp: 670700

Ion Ratio Lower Upper

99 100

42 15.4 13.7 20.5

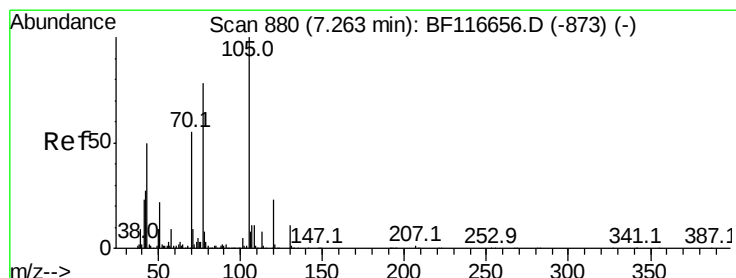
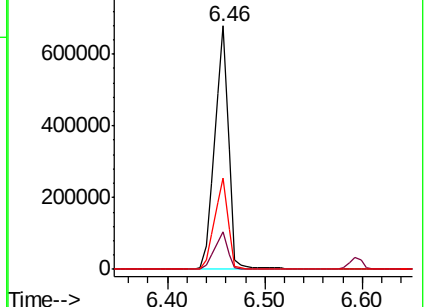
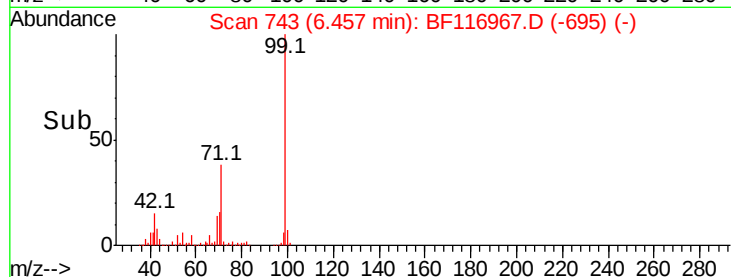
71 37.5 30.8 46.2



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: 15.261 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Tgt Ion: 70 Resp: 55254

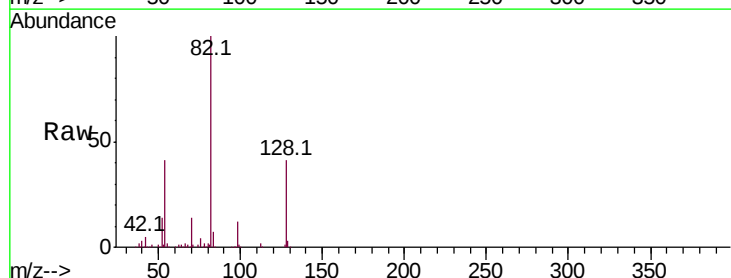
Ion Ratio Lower Upper

70 100

42 36.3 43.5 65.3#

101 0.0 7.8 11.6#

130 1.6 16.6 24.8#

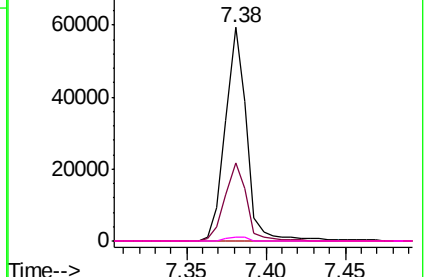
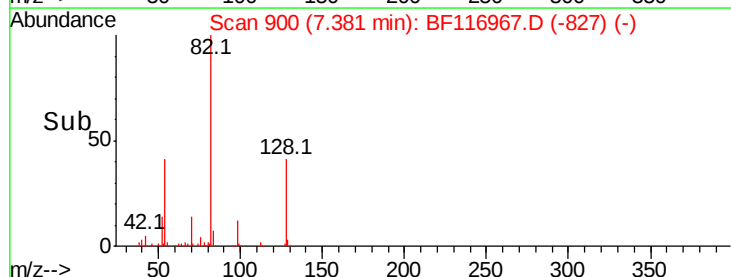


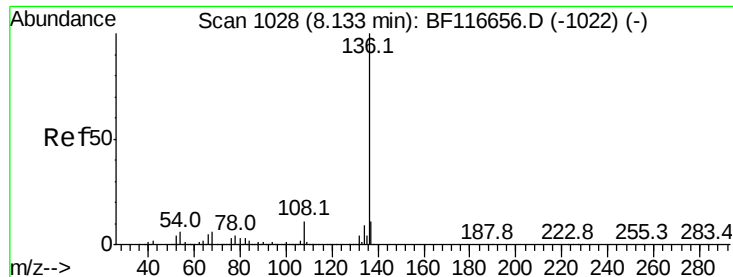
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 271345

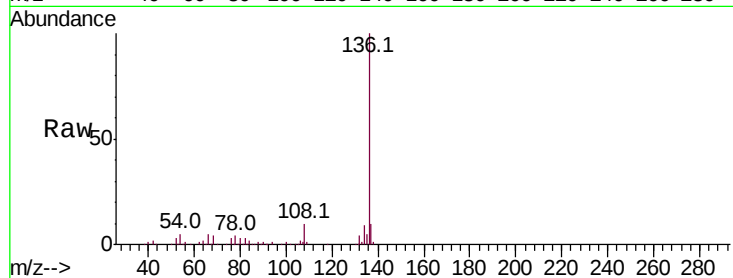
Ion Ratio Lower Upper

136 100

137 10.1 8.9 13.3

54 4.8 4.8 7.2

68 4.1 4.0 6.0

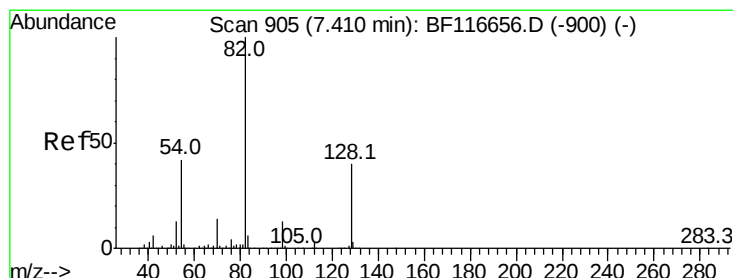
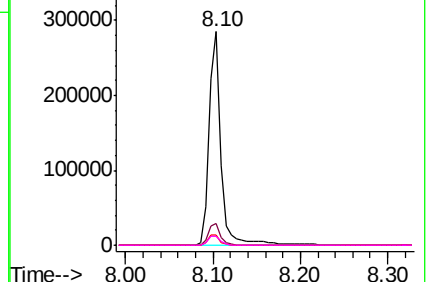
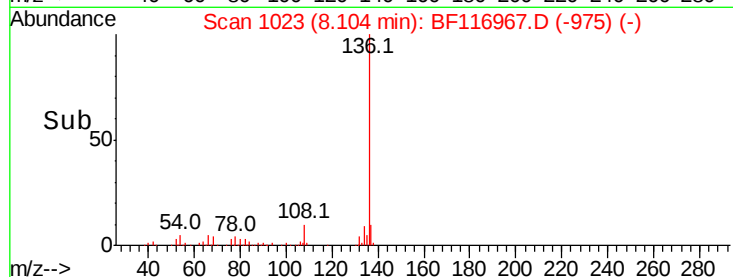


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.414 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

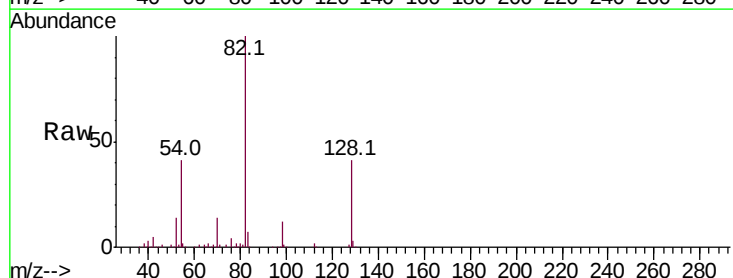
Tgt Ion: 82 Resp: 415490

Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

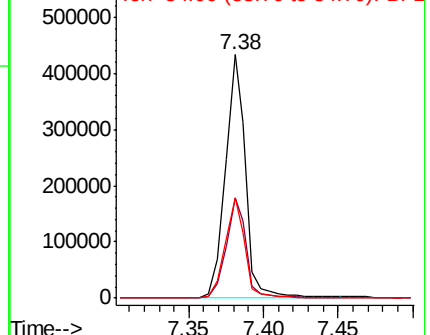
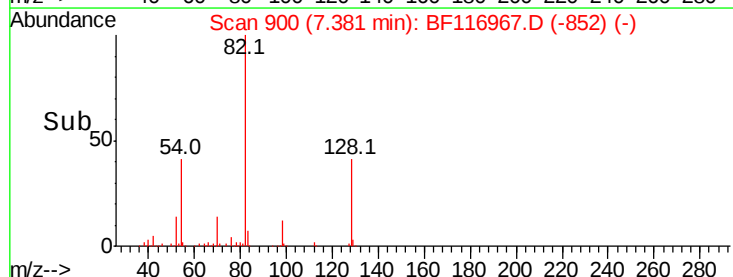
54 41.4 36.9 55.3

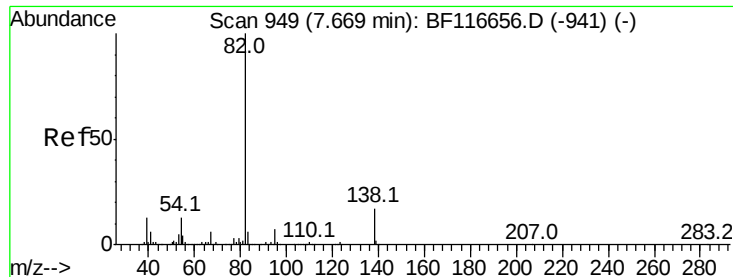


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.138 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

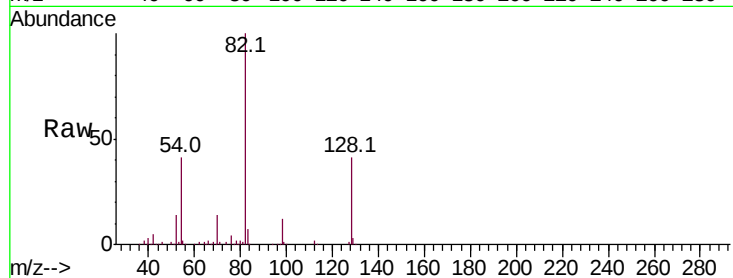
Tot Ion: 82 Resp: 415481

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

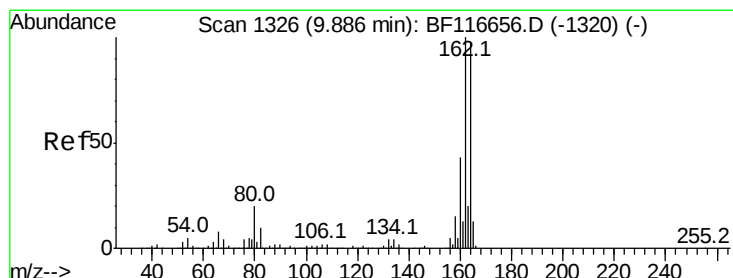
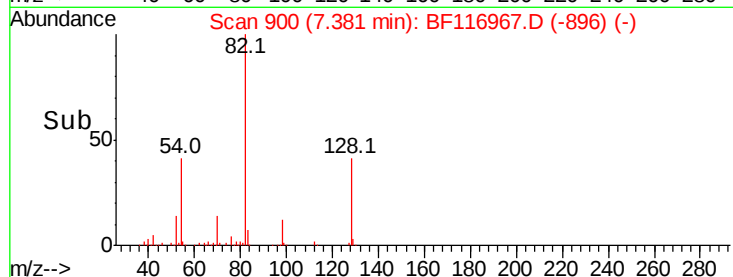
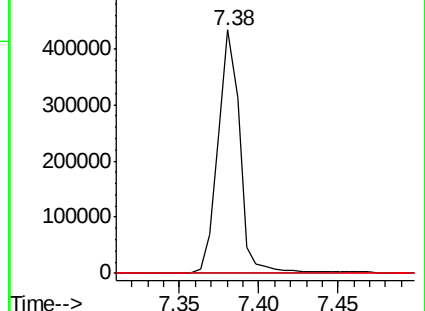
138 0.0 13.5 20.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

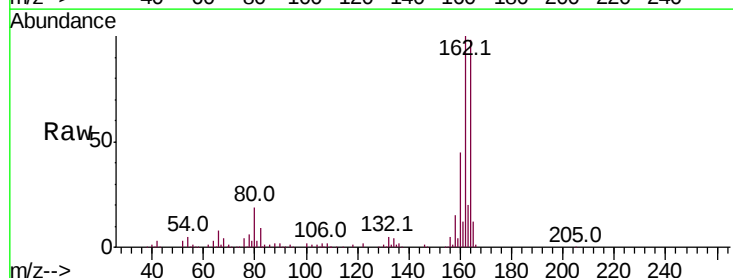
Tgt Ion: 164 Resp: 143684

Ion Ratio Lower Upper

164 100

162 102.5 81.4 122.0

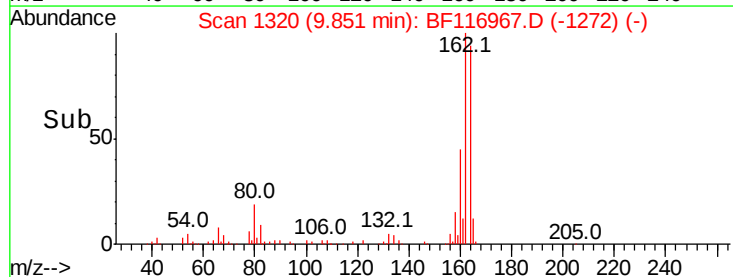
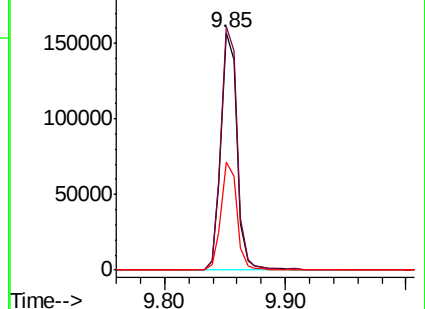
160 45.6 35.4 53.2

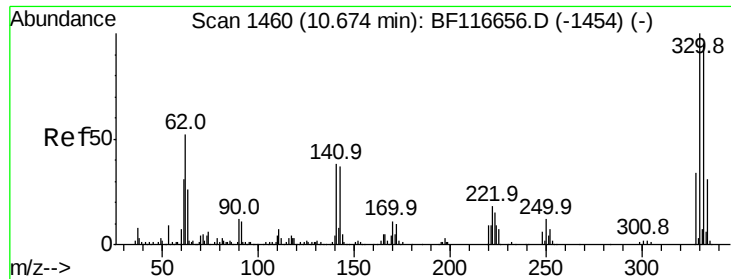


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

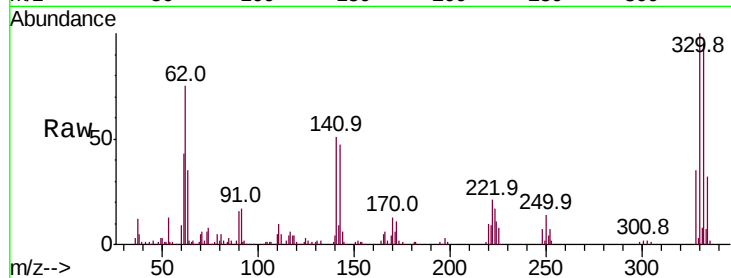




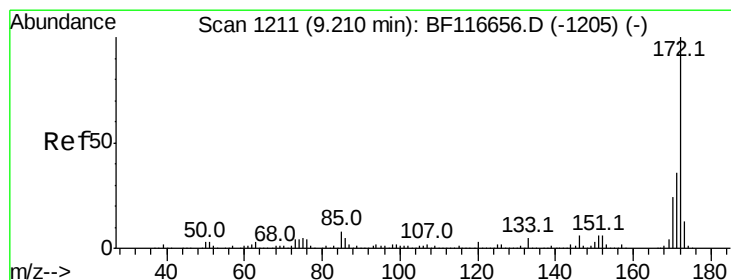
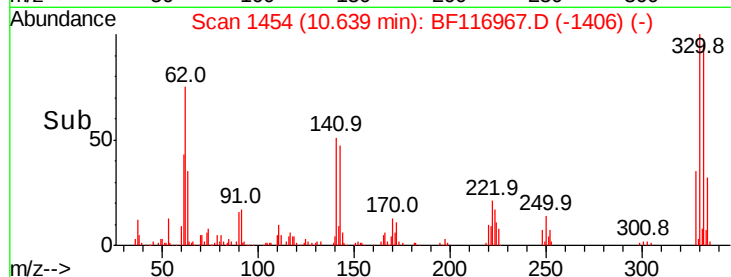
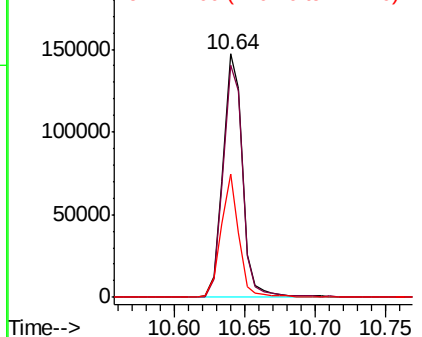
#42
 2,4,6-Tribromophenol
 Concen: 148.062 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 142222
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.9 115.3
 141 45.9 31.4 47.2

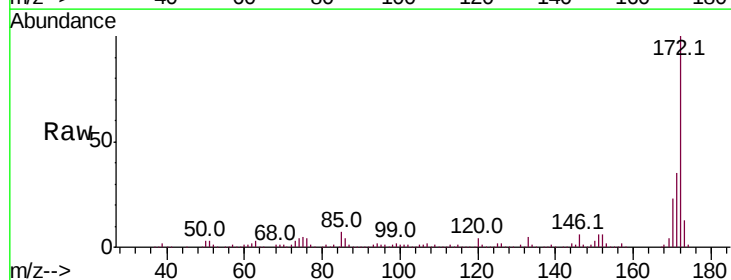


Abundance Ion 329.80 (329.50 to 330.50): E
 200000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

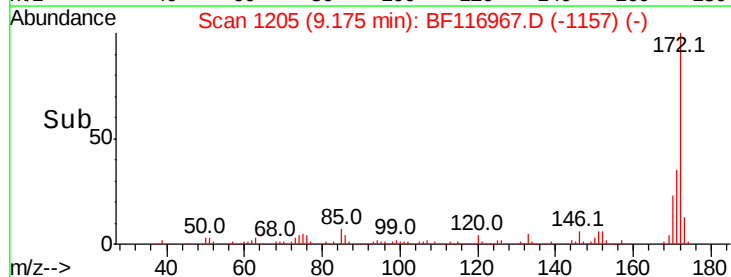
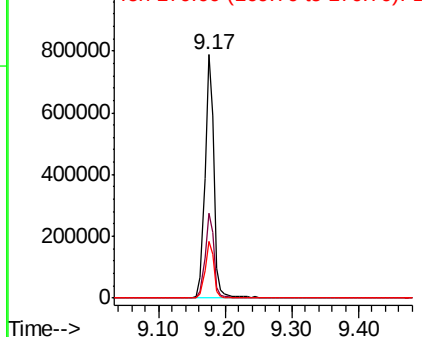


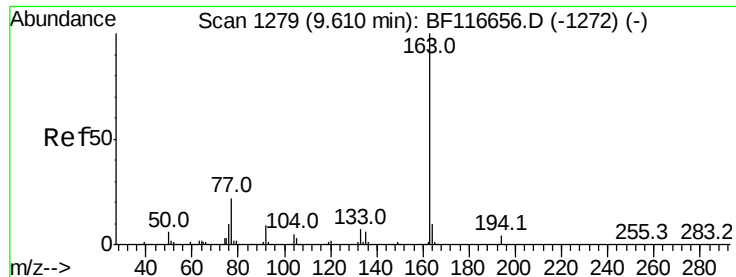
#45
 2-Fluorobiphenyl
 Concen: 84.184 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Tgt Ion:172 Resp: 717052
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.8 41.6
 170 23.3 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E
 1000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

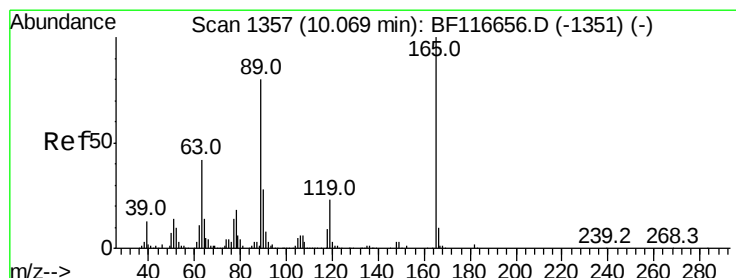
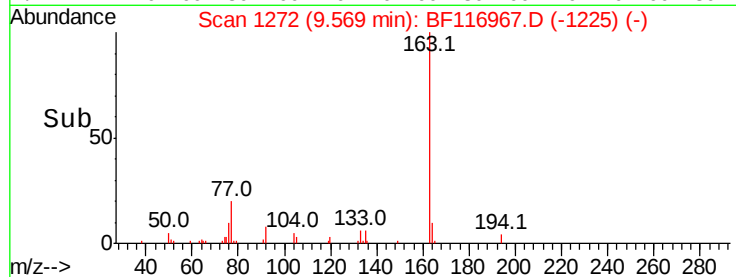
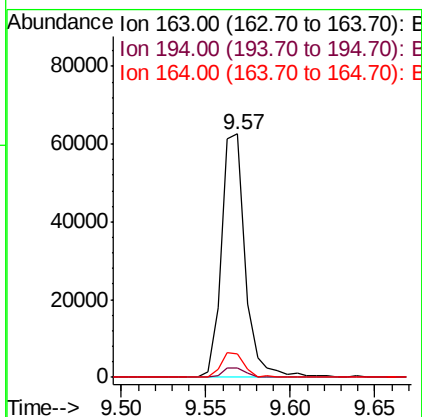
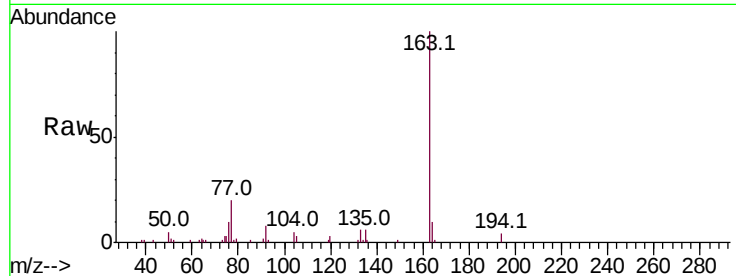




#50
Dimethylphthalate
Concen: 6.181 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

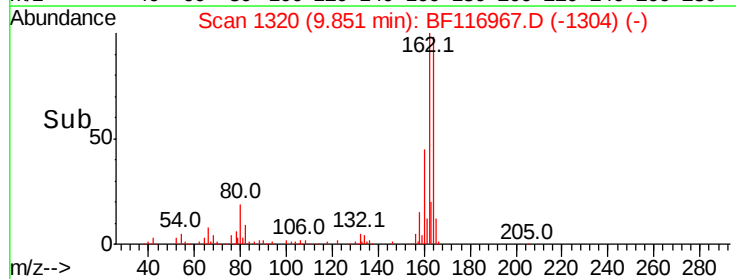
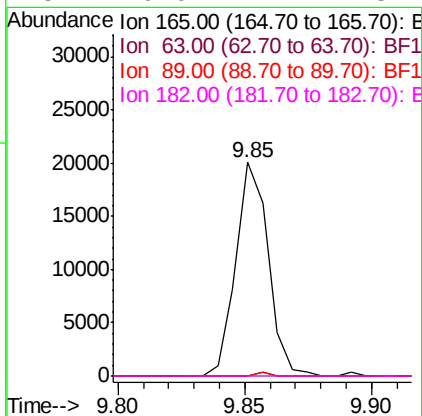
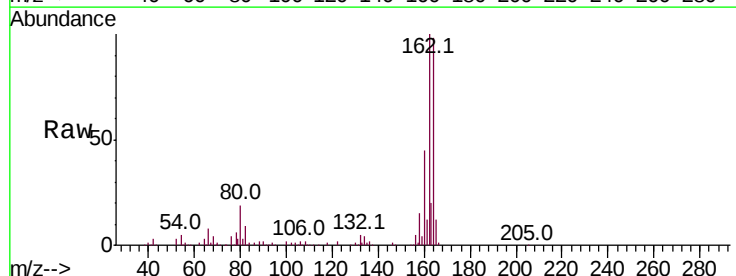
Instrument :
BNA_F
ClientSampleId :

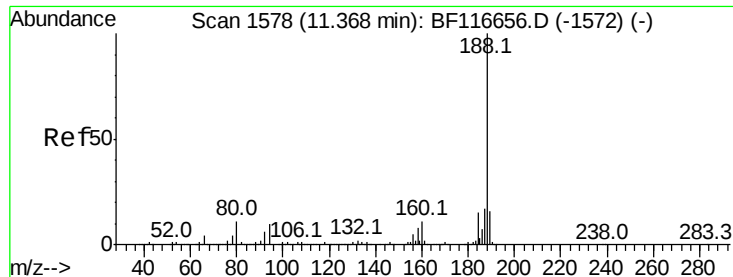
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.5	8.6	12.8



#57
2,4-Dinitrotoluene
Concen: 7.701 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.21 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#

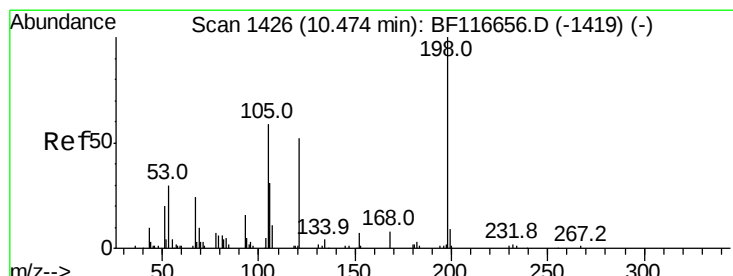
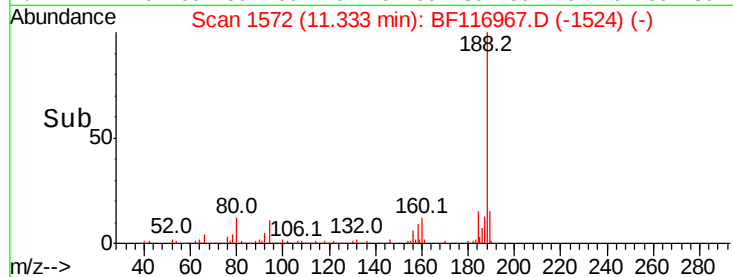
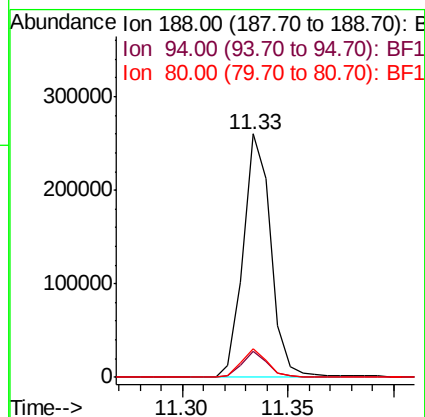
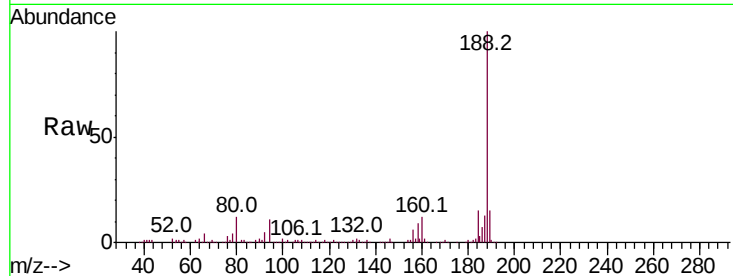




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

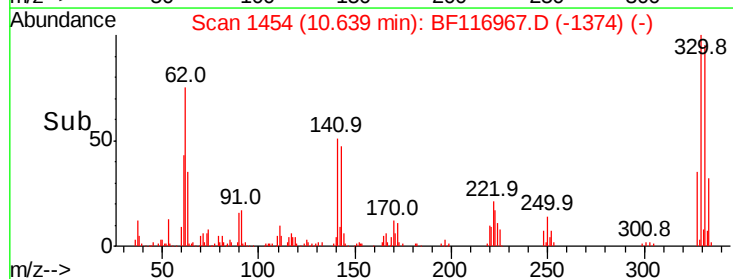
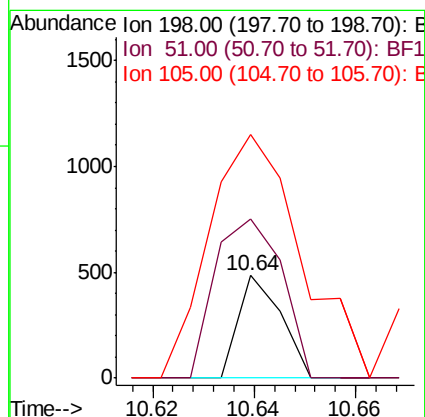
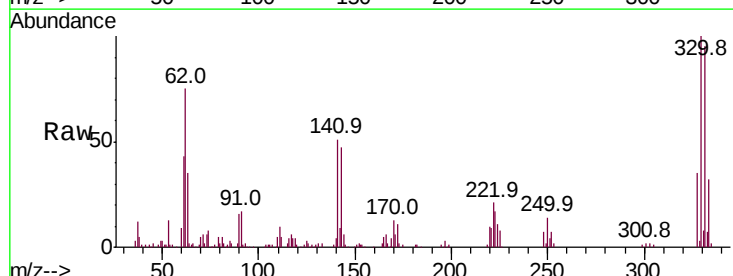
Instrument :
BNA_F
ClientSampleId :

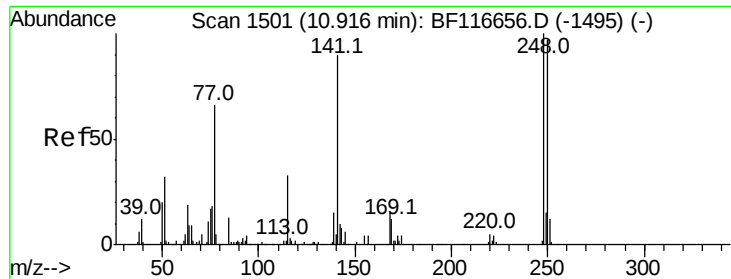
Tot Ion:188 Resp: 234912
Ion Ratio Lower Upper
188 100
94 10.6 7.3 10.9
80 12.0 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.727 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.17 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:198 Resp: 283
Ion Ratio Lower Upper
198 100
51 155.5 18.4 58.4#
105 237.3 22.9 62.9#





#67

4-Bromophenyl-phenylether

Concen: 3.956 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.26 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampled :

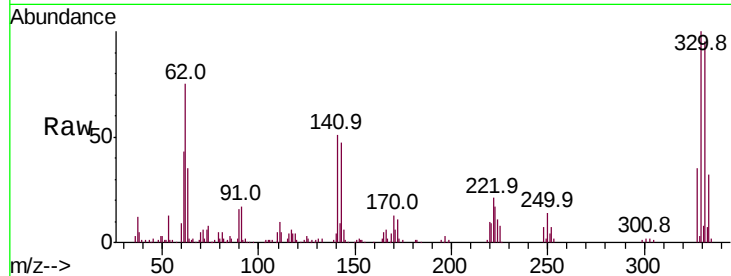
Tot Ion:248 Resp: 9440

Ion Ratio Lower Upper

248 100

250 208.1 77.8 116.8#

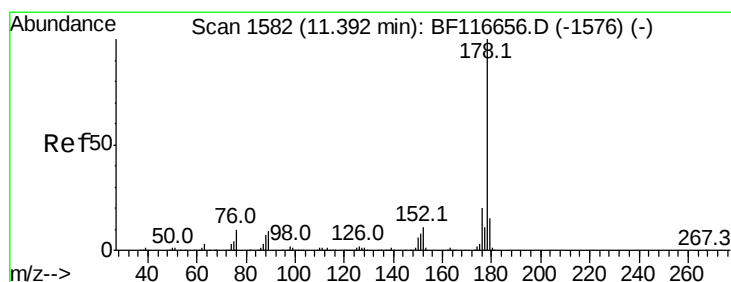
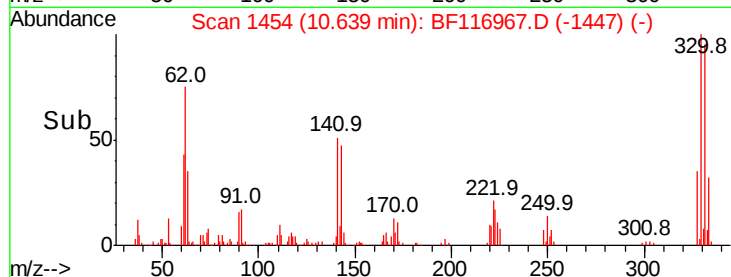
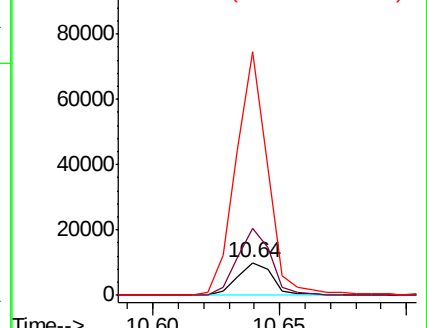
141 751.1 75.9 113.9#



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: 3.536 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

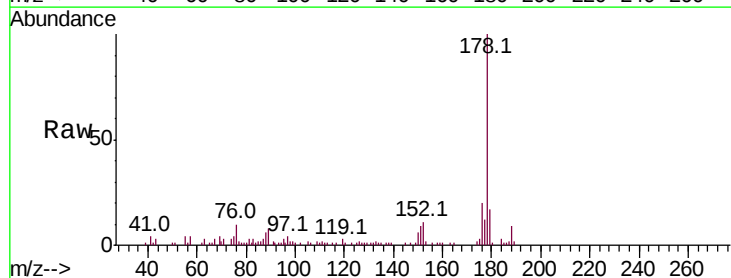
Tgt Ion:178 Resp: 46243

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

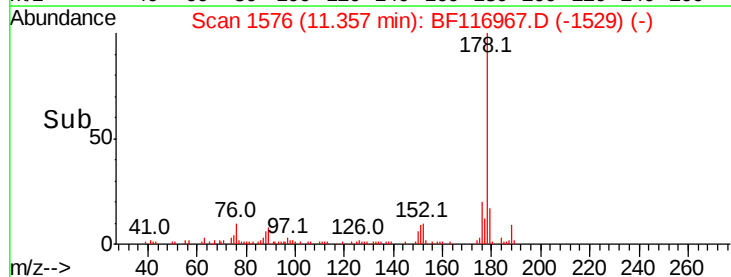
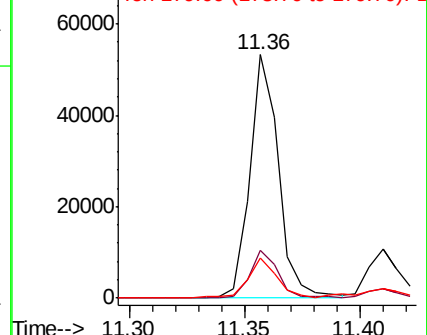
179 16.5 12.2 18.2

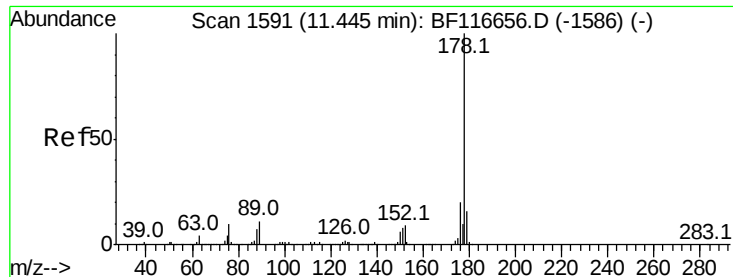


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.513 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.07 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

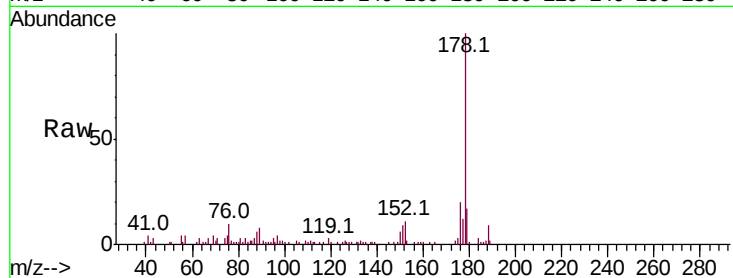
Tot Ion:178 Resp: 46243

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

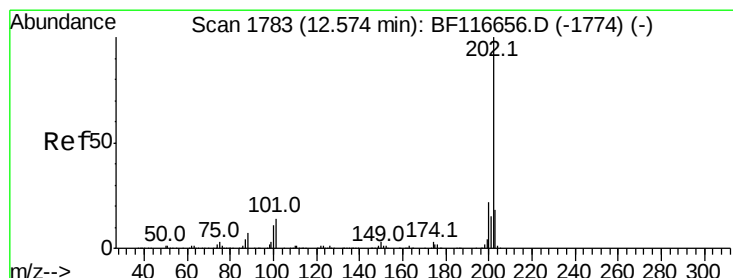
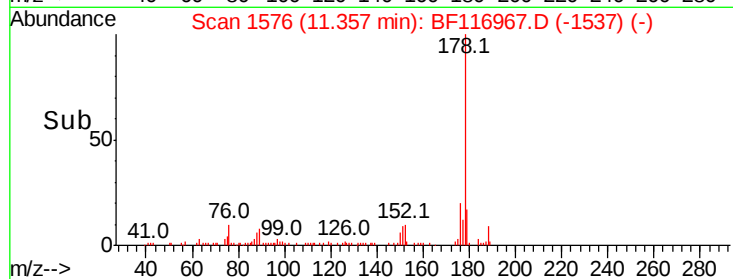
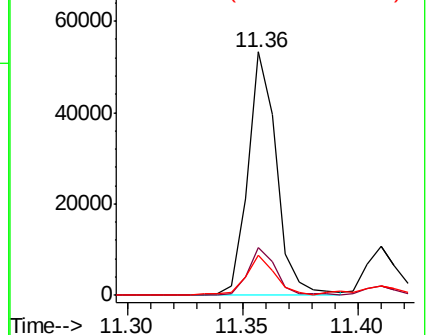
179 16.5 12.5 18.7



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: 6.467 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

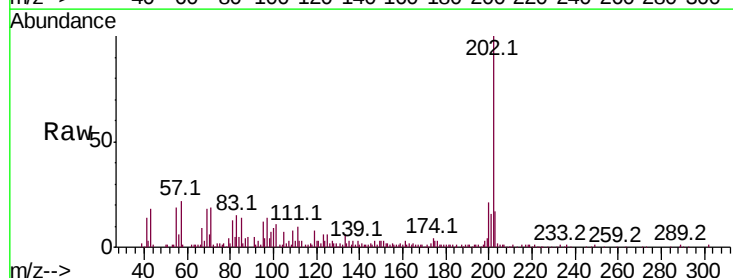
Tgt Ion:202 Resp: 83104

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.3

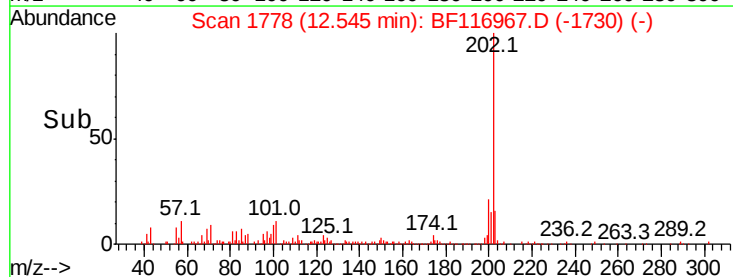
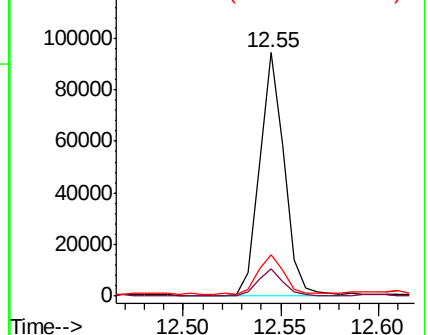
203 17.1 0.0 37.6

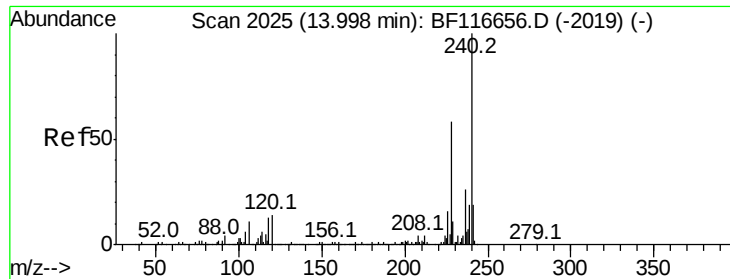


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

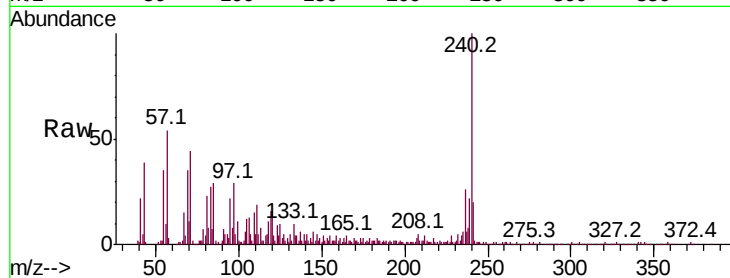
Tot Ion:240 Resp: 144629

Ion Ratio Lower Upper

240 100

120 16.5 9.1 13.7#

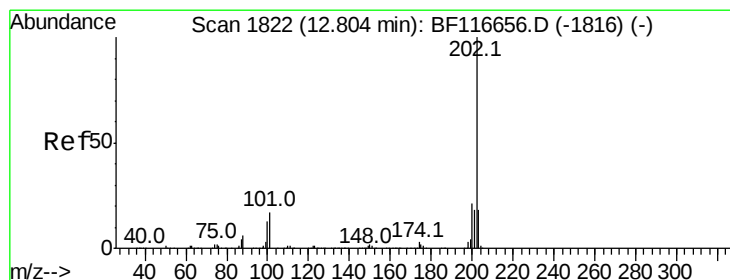
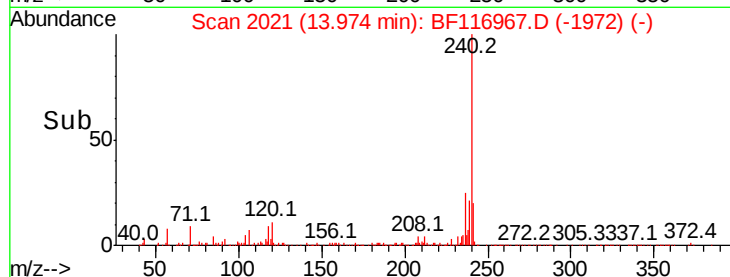
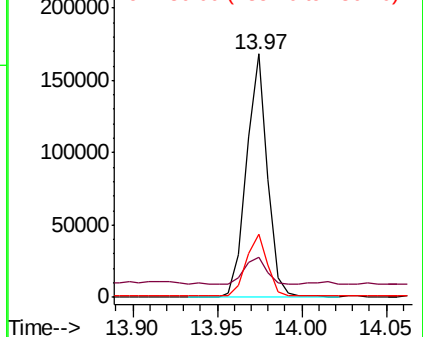
236 25.8 21.1 31.7



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: 5.403 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

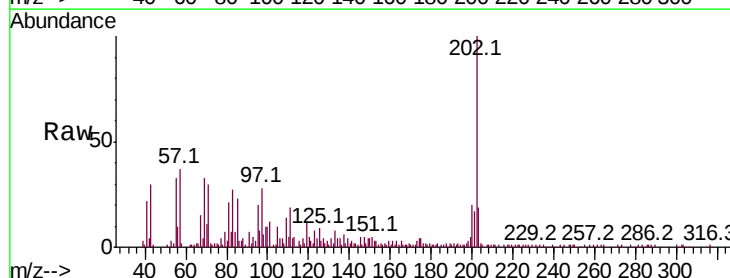
Tgt Ion:202 Resp: 69458

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

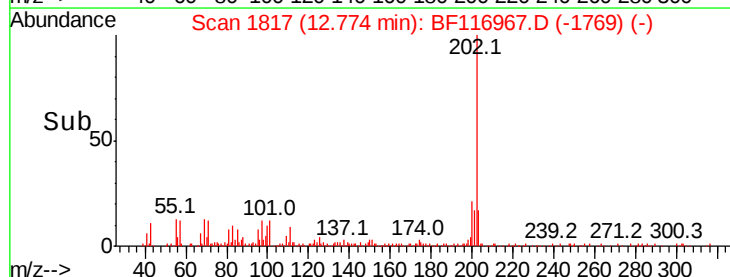
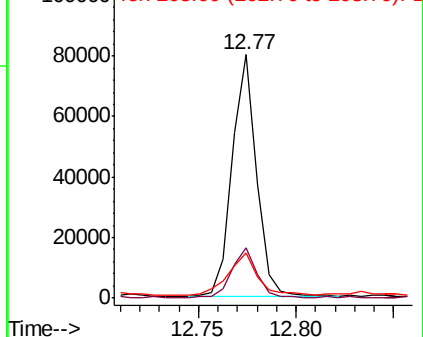
203 18.5 13.7 20.5

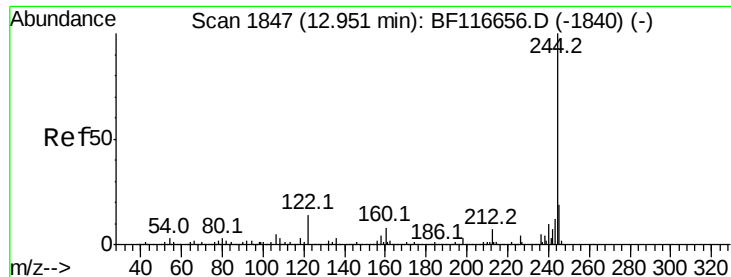


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



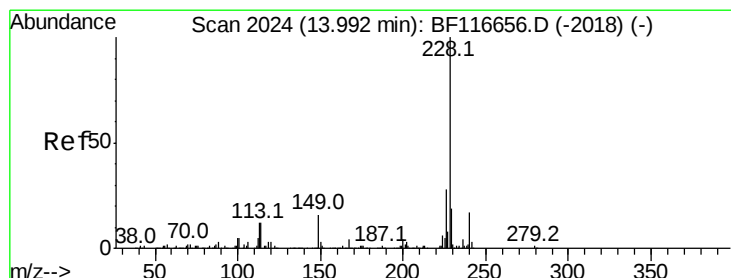
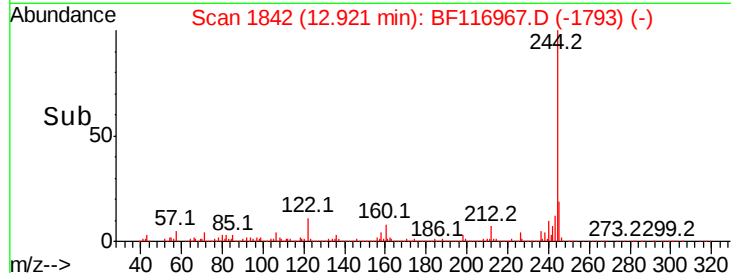
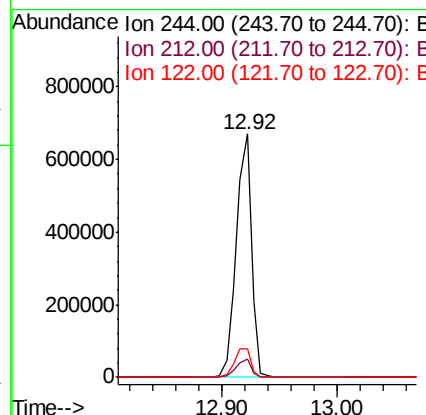
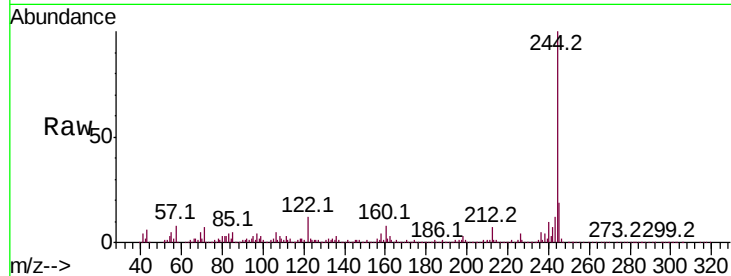


#79
 Terphenyl-d14
 Concen: 78.530 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 613949

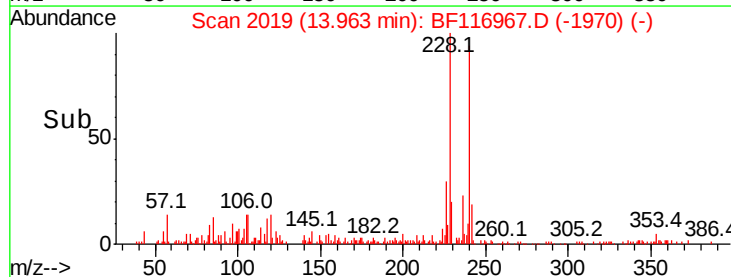
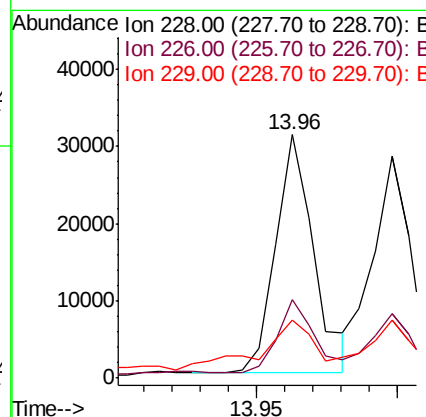
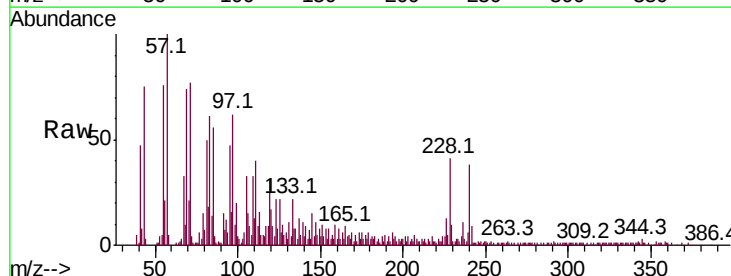
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	11.6	10.2	15.4

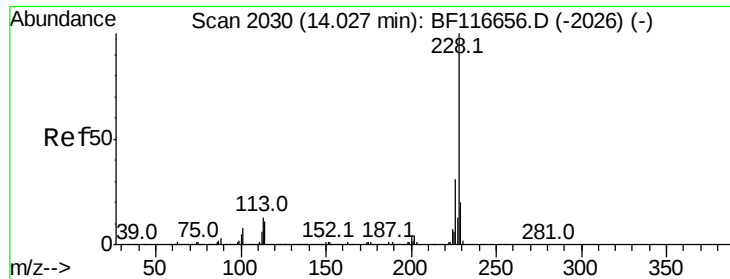


#81
 Benzo(a)anthracene
 Concen: 3.143 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Tgt Ion:228 Resp: 28774

Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.0	33.0
229	23.8	16.4	24.6





#83

Chrysene

Concen: 2.801 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

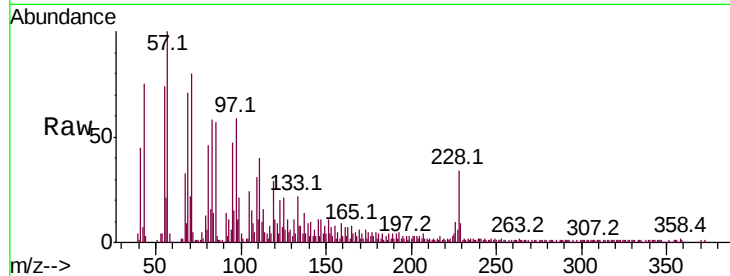
Tot Ion:228 Resp: 26419

Ion Ratio Lower Upper

228 100

226 28.8 24.0 36.0

229 26.2 15.4 23.0#

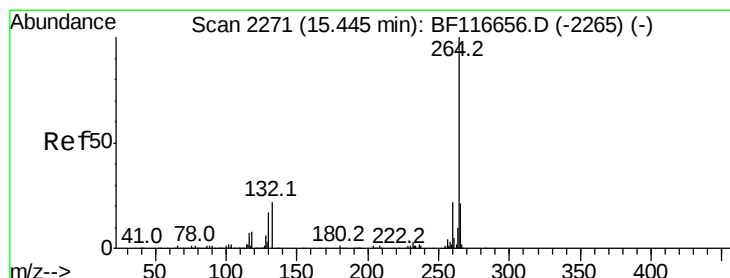
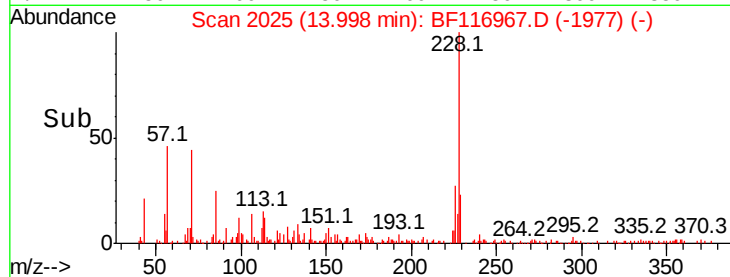
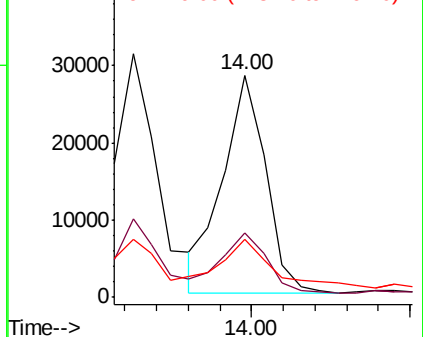


Abundance

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: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

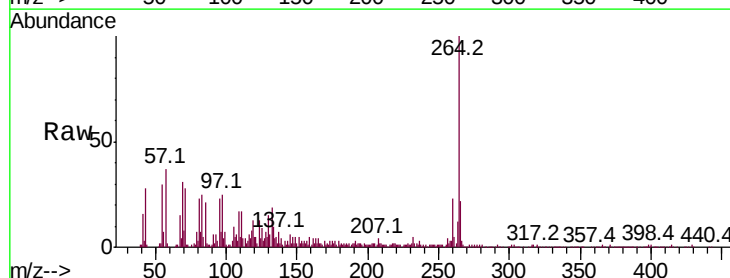
Tgt Ion:264 Resp: 165878

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 21.8 16.5 24.7

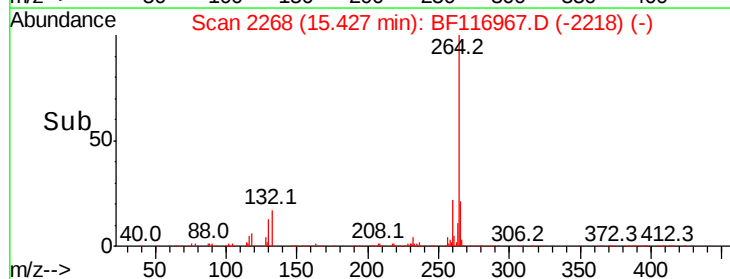
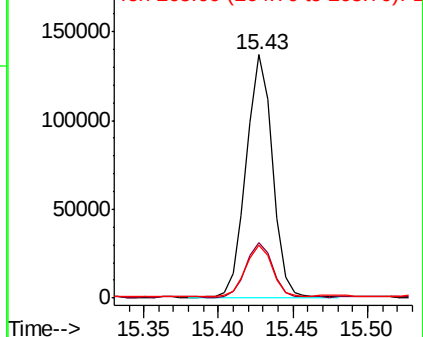


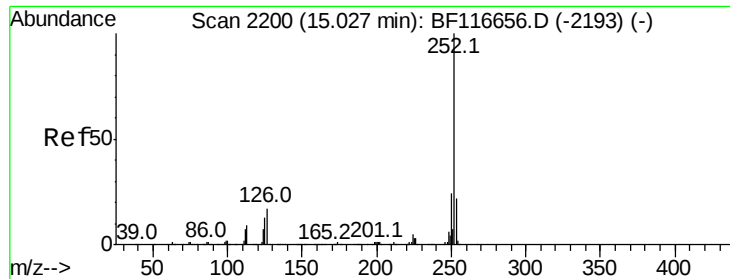
Abundance

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

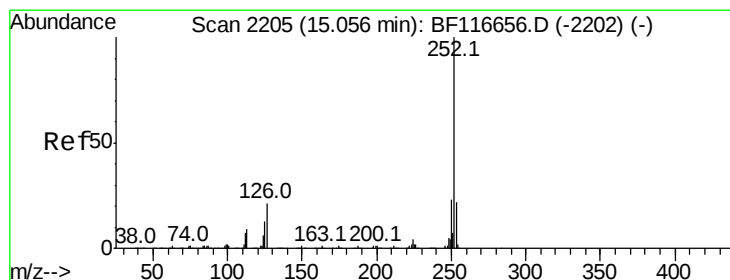
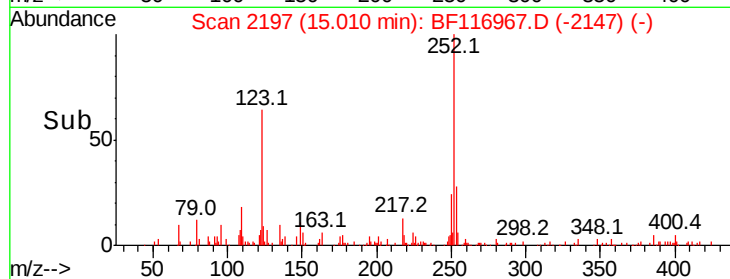
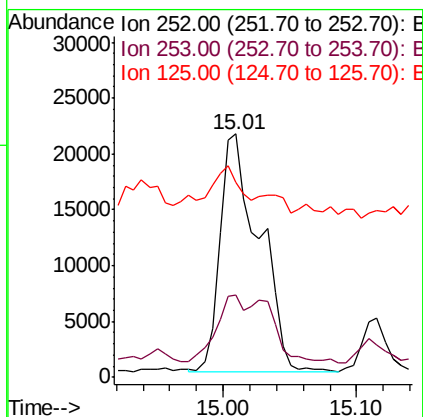
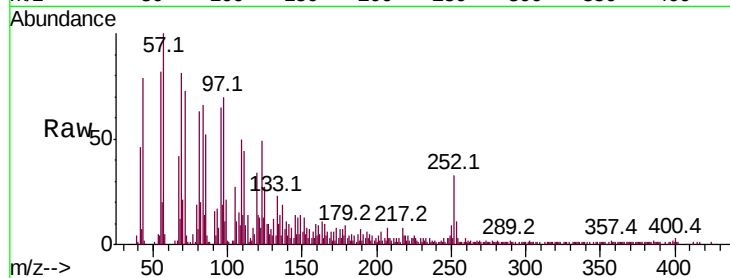




#88
Benzo(b)fluoranthene
Concen: 4.307 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

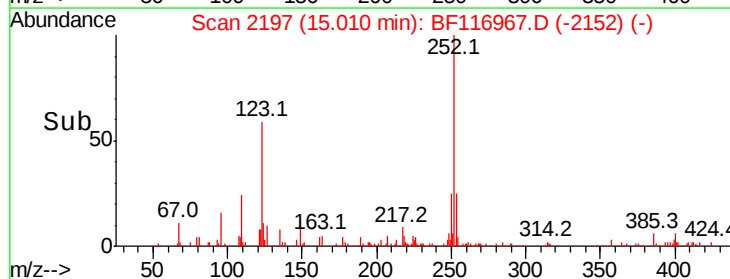
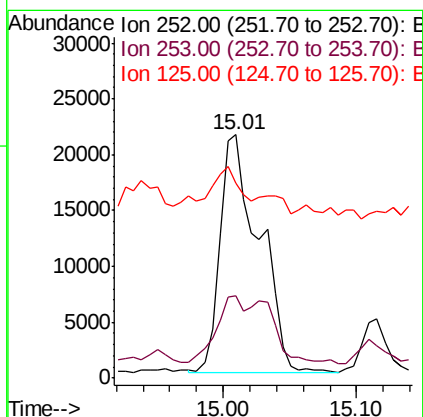
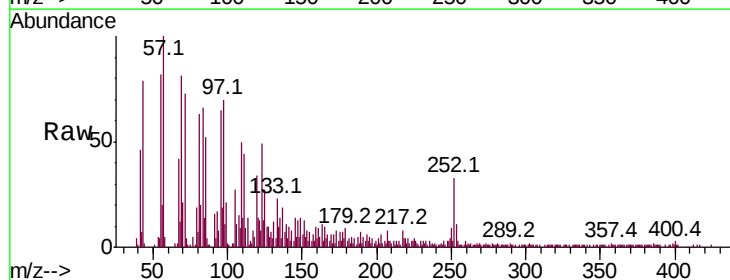
Instrument :
BNA_F
ClientSampled :

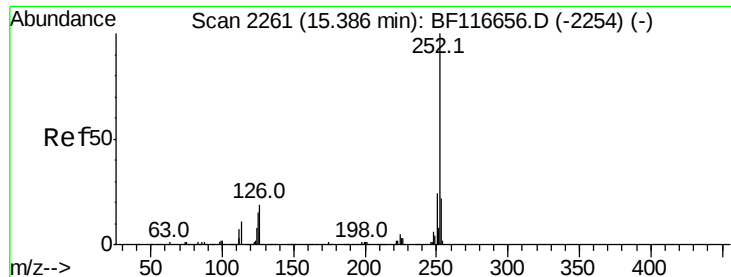
Tot Ion:252 Resp: 43193
Ion Ratio Lower Upper
252 100
253 33.6 17.7 26.5#
125 80.0 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 4.724 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:252 Resp: 43193
Ion Ratio Lower Upper
252 100
253 33.6 17.7 26.5#
125 80.0 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.634 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

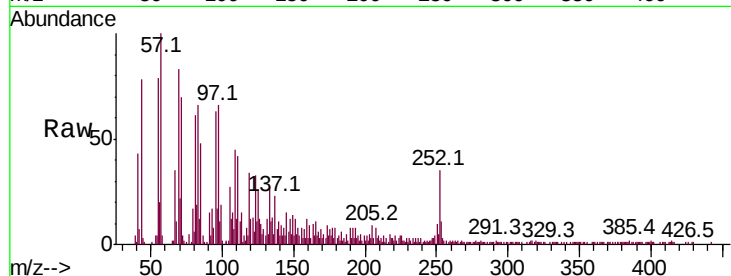
Tot Ion:252 Resp: 22981

Ion Ratio Lower Upper

252 100

253 31.2 18.1 27.1#

125 73.6 9.8 14.8#



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

