

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116753.D
 Acq On : 1 Sep 2019 20:03
 Operator : HP/JU
 Sample : K4547-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:27:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	87640	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	385778	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	222168	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	299325	20.00	ng	0.00
76) Chrysene-d12	14.02	240	178653	20.00	ng	0.02
87) Perylene-d12	15.50	264	156516	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	481324	88.97	ng	0.00
7) Phenol-d6	6.47	99	692519	97.49	ng	0.00
23) Nitrobenzene-d5	7.40	82	425609	62.98	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	155561	104.74	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	836625	63.52	ng	0.00
79) Terphenyl-d14	12.96	244	609699	63.13	ng	0.01

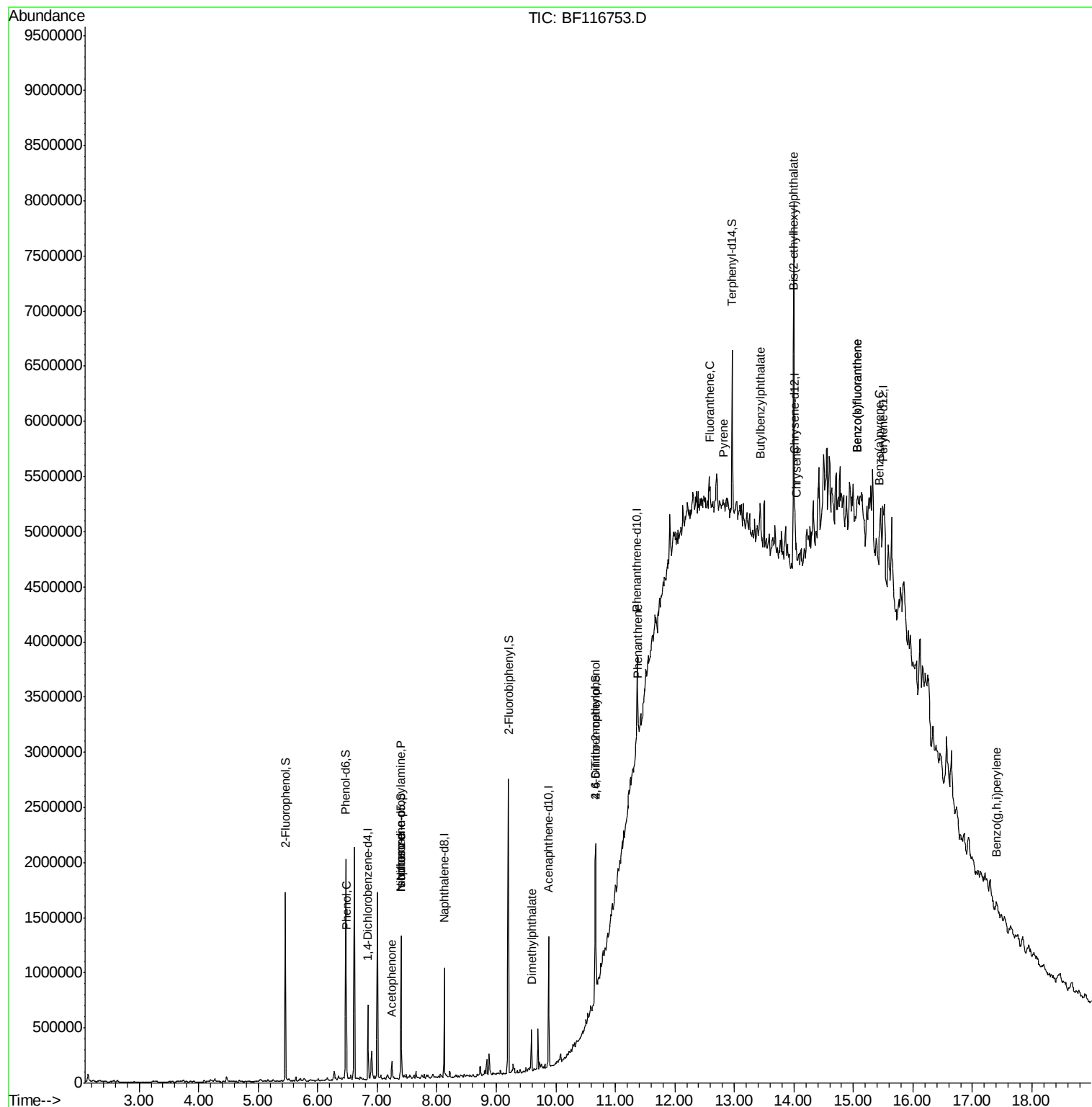
Target Compounds				Qvalue		
10) Phenol	6.49	94	57092	7.258	ng	87
19) n-Nitroso-di-n-propylamine	7.40	70	57270	12.245	ng	# 73
22) Acetophenone	7.25	105	38612	4.157	ng	# 89
25) Isophorone	7.40	82	422541	30.857	ng	# 67
50) Dimethylphthalate	9.59	163	133994	8.736	ng	98
65) 4,6-Dinitro-2-methylphenol	10.67	198	2669	9.496	ng	# 1
71) Phenanthrene	11.39	178	36110	2.167	ng	# 62
75) Fluoranthene	12.59	202	62015	3.787	ng	# 58
78) Pyrene	12.82	202	50998	3.211	ng	# 58
80) Butylbenzylphthalate	13.43	149	64874	8.400	ng	# 63
83) Chrysene	14.04	228	32706	2.808	ng	# 65
84) Bis(2-ethylhexyl)phthalate	14.00	149	1161799	121.867	ng	99
88) Benzo(b)fluoranthene	15.06	252	58322	6.163	ng	# 1
89) Benzo(k)fluoranthene	15.06	252	58322	6.760	ng	# 1
90) Benzo(a)pyrene	15.43	252	20483	2.488	ng	# 1
92) Benzo(a,h,i)perylene	17.40	276	19710	2.682	ng	# 31

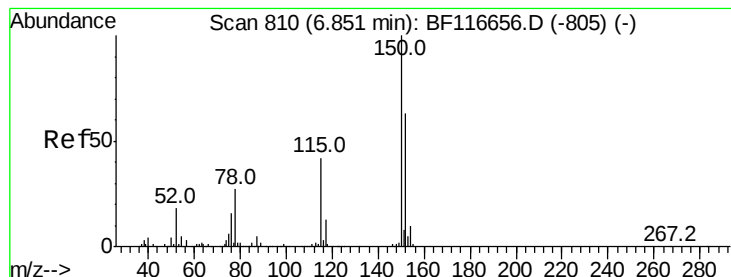
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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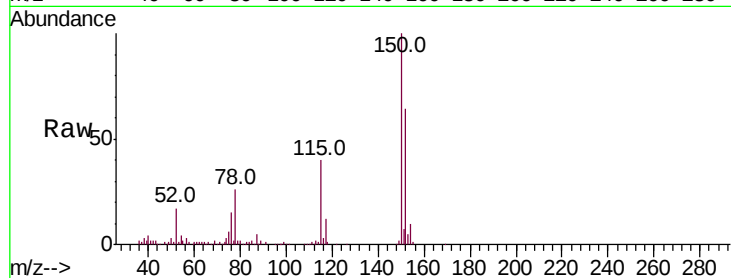


#1

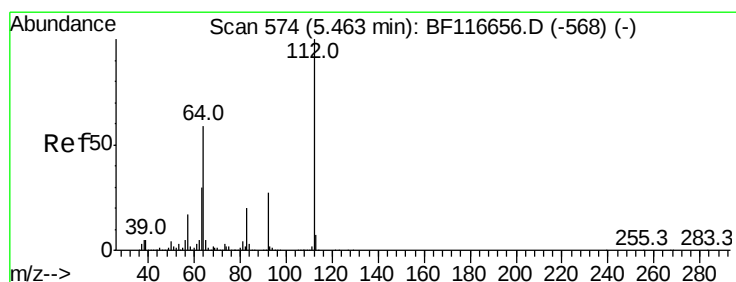
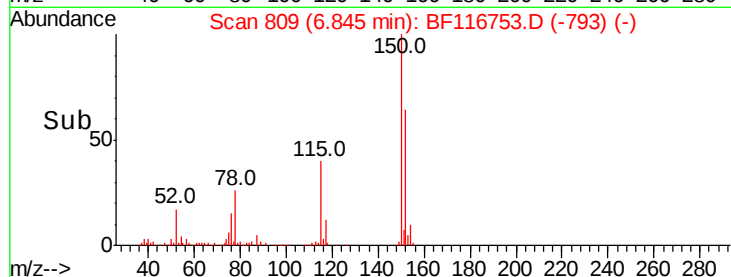
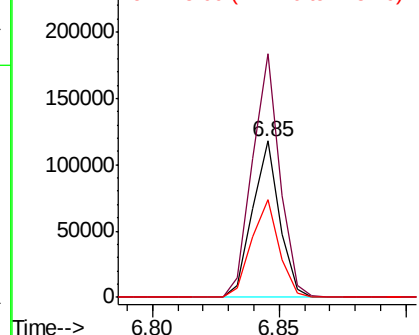
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.4	186.6
115	62.5	49.9	74.9



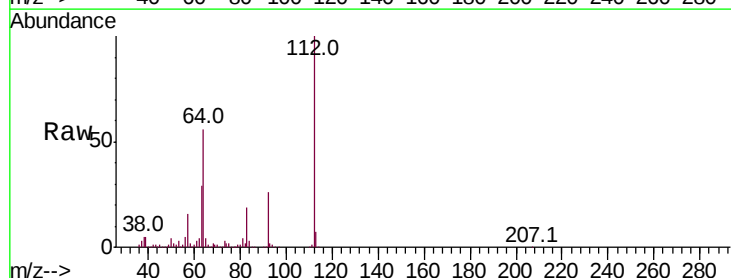
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



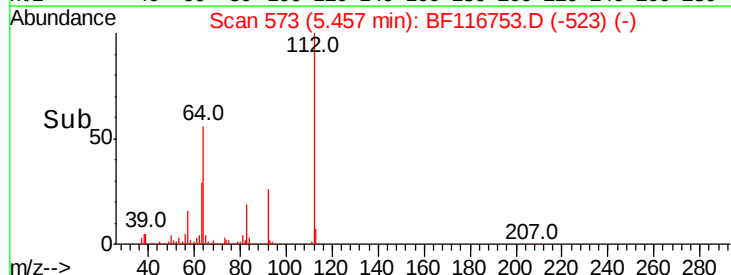
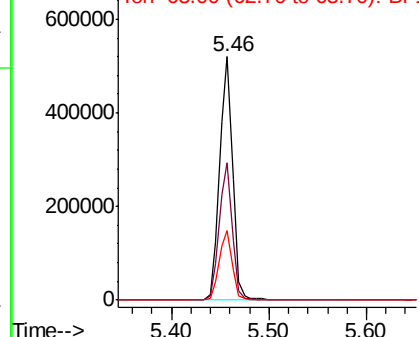
#5

2-Fluorophenol
Concen: 88.974 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.1	70.7
63	28.8	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.490 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

Instrument :

BNA_F

ClientSampled :

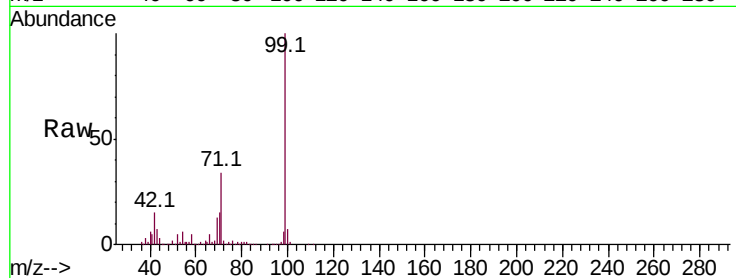
Tot Ion: 99 Resp: 692519

Ion Ratio Lower Upper

99 100

42 14.8 13.7 20.5

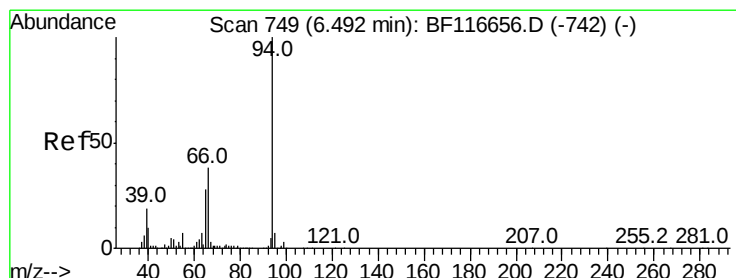
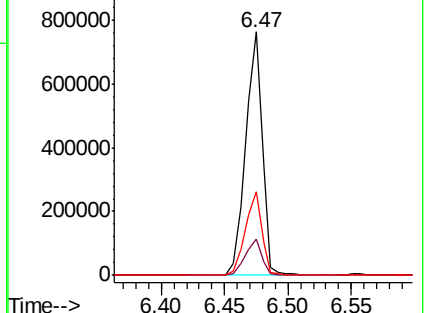
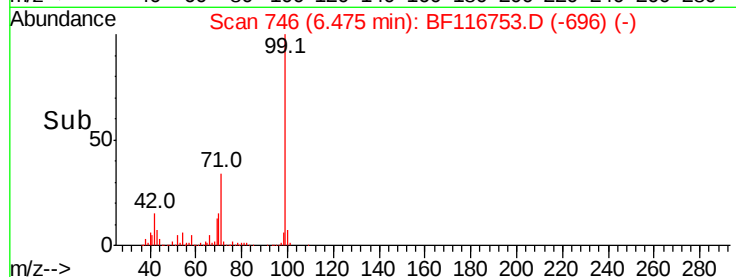
71 34.3 30.8 46.2



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



#10

Phenol

Concen: 7.258 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

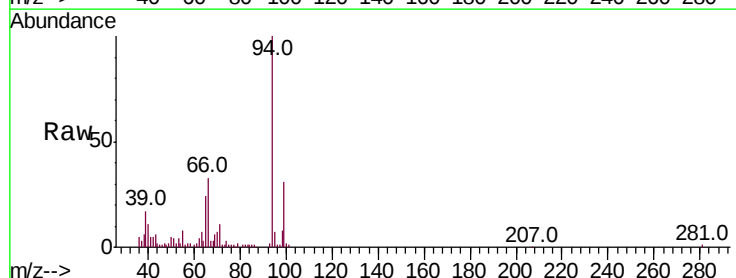
Tgt Ion: 94 Resp: 57092

Ion Ratio Lower Upper

94 100

65 24.4 10.8 50.8

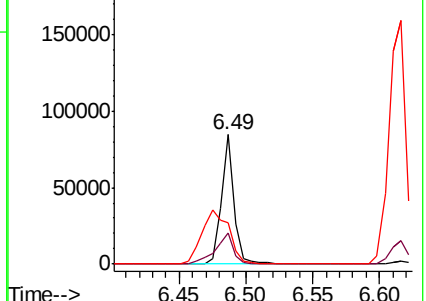
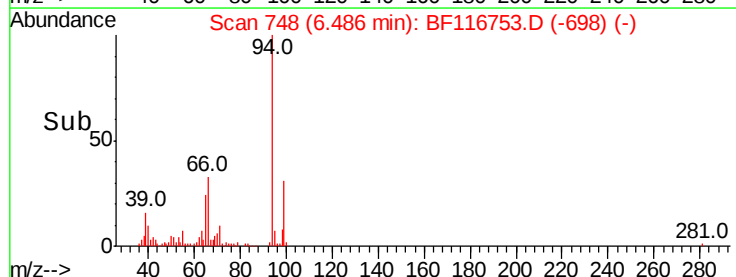
66 32.5 21.1 61.1

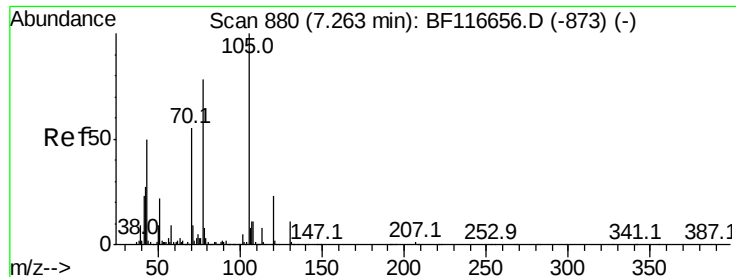


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

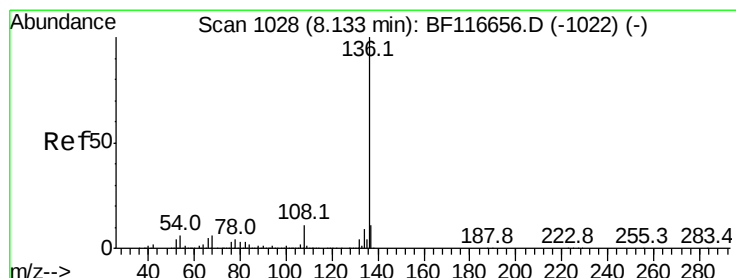
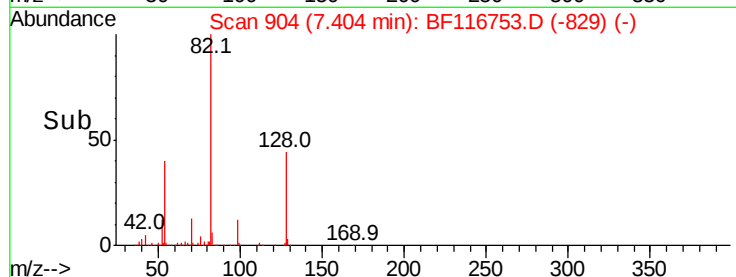
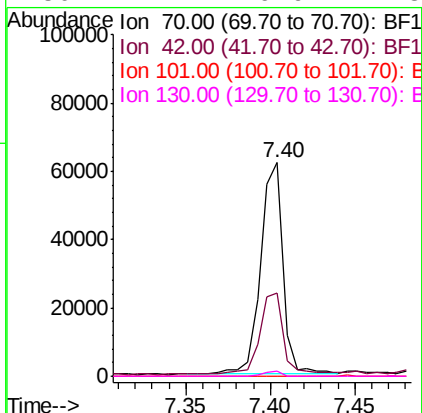
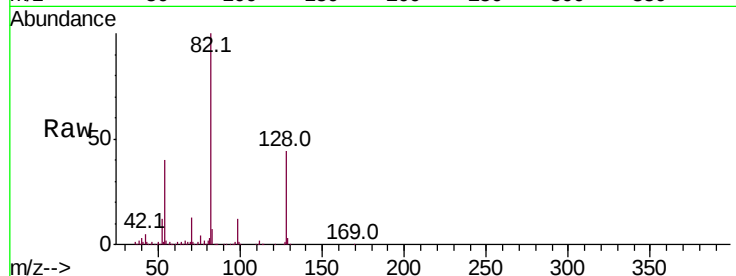




#19
n-Nitroso-di-n-propylamine
Concen: 12.245 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

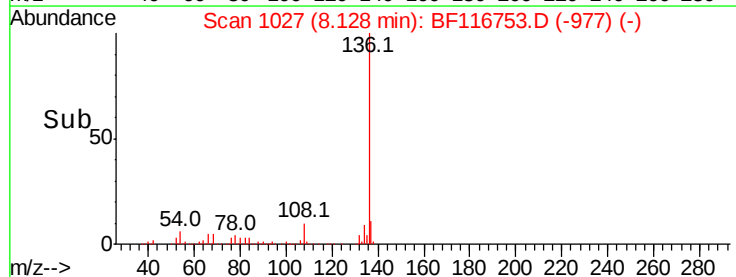
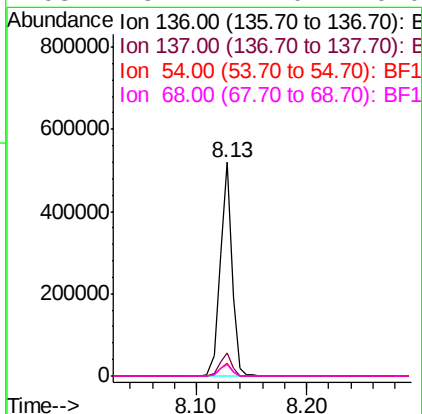
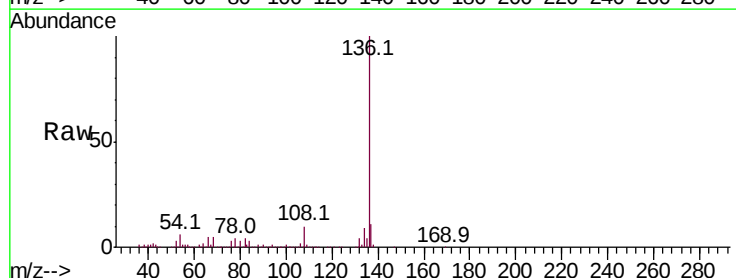
Instrument :
BNA_F
ClientSampleId :

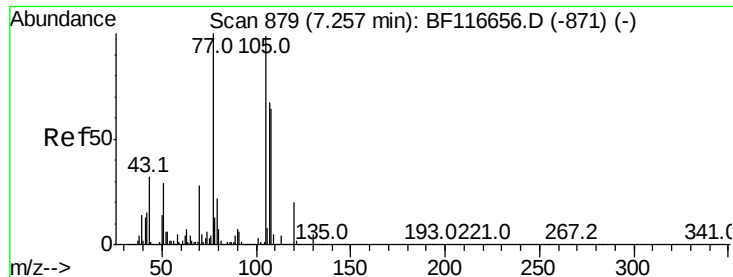
Tot Ion: 70 Resp: 57270
Ion Ratio Lower Upper
70 100
42 38.8 43.5 65.3#
101 0.0 7.8 11.6#
130 2.4 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion: 136 Resp: 385778
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 5.7 4.8 7.2
68 5.2 4.0 6.0





#22

Acetophenone

Concen: 4.157 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF116753.D

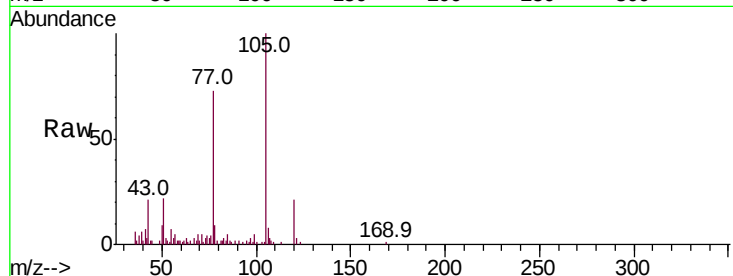
Acq: 1 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	38612
Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.2	6.4
51	21.6	25.8	38.8
120	20.9	16.4	24.6

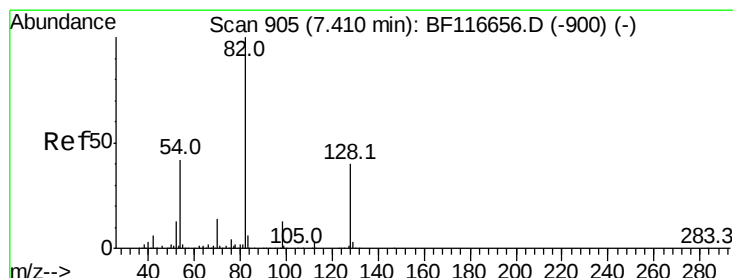
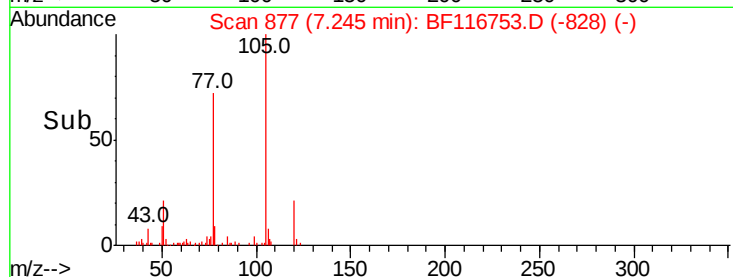
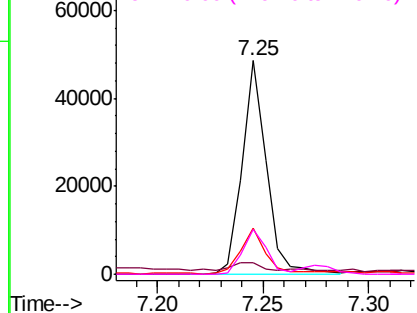


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 62.982 ng

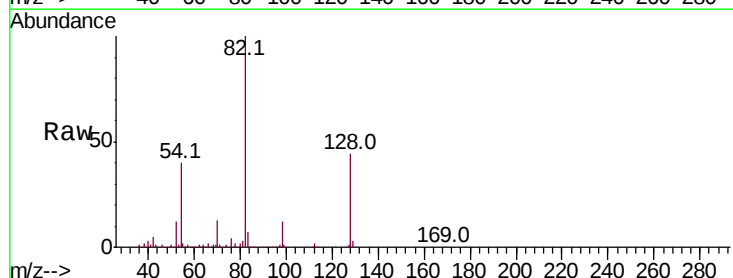
RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

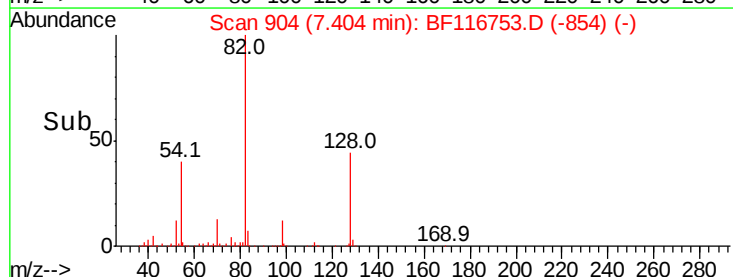
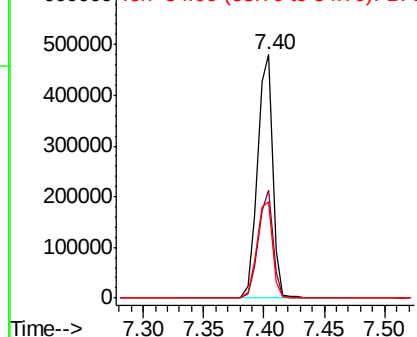
Tgt Ion:	82	Resp:	425609
Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.8	49.2
54	39.7	36.9	55.3

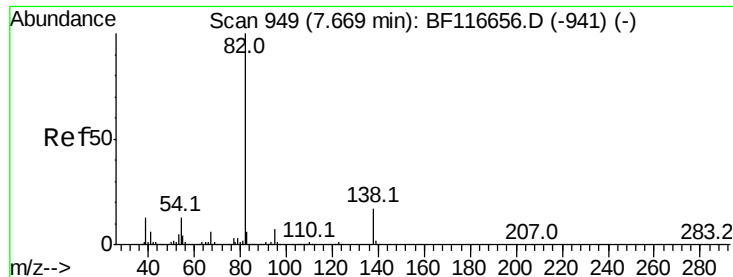


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.857 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

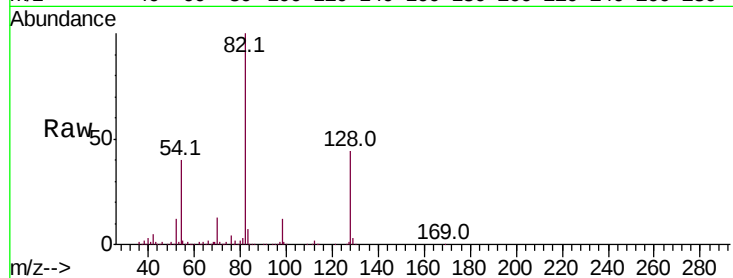
Tot Ion: 82 Resp: 422541

Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.6#

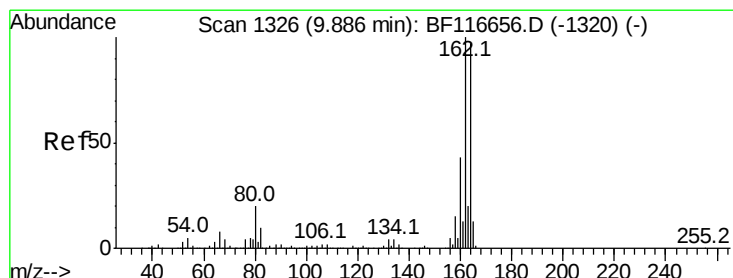
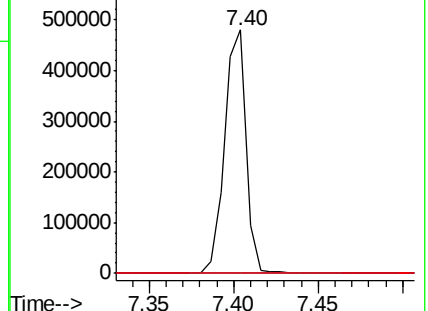
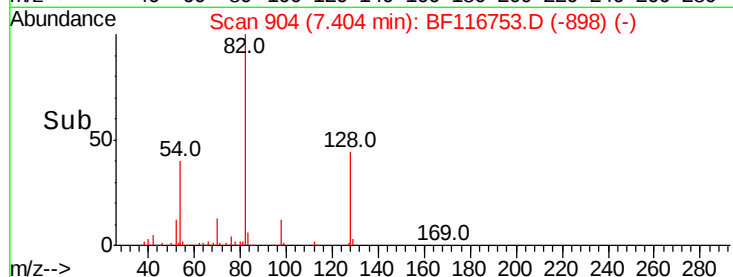
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

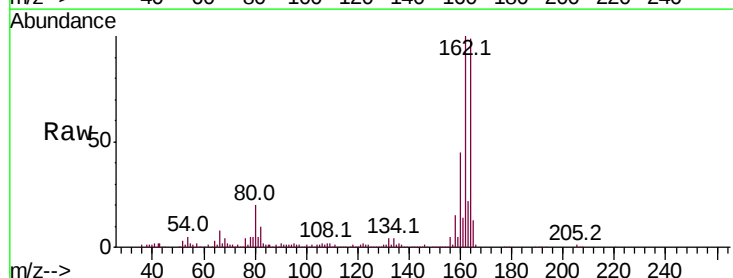
Tgt Ion: 164 Resp: 222168

Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.0

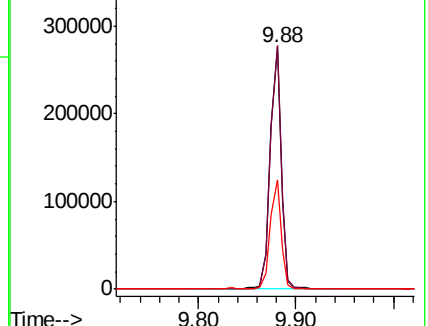
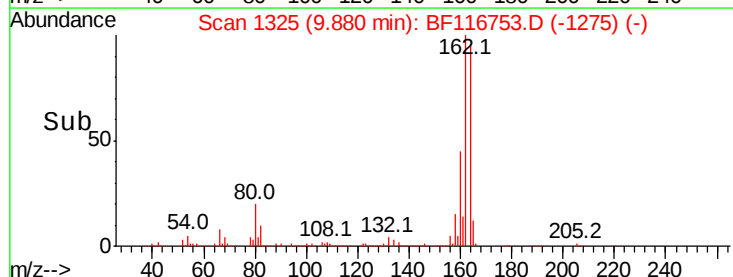
160 44.9 35.4 53.2

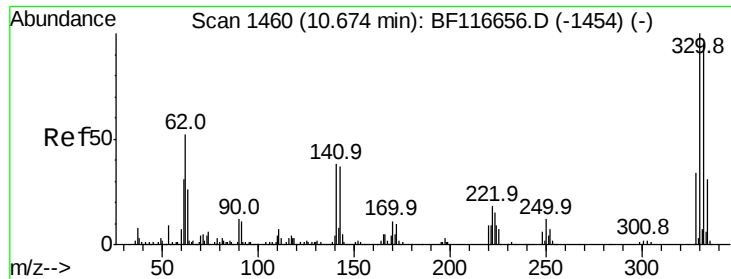


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

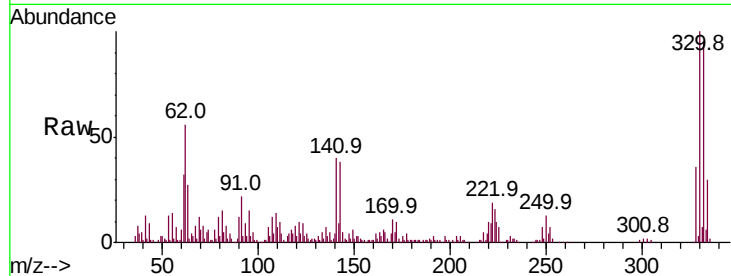




#42
 2,4,6-Tribromophenol
 Concen: 104.738 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116753.D
 Acq: 1 Sep 2019 20:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.9	115.3
141	43.8	31.4	47.2

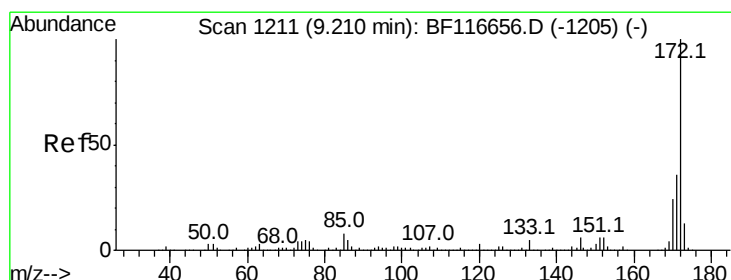
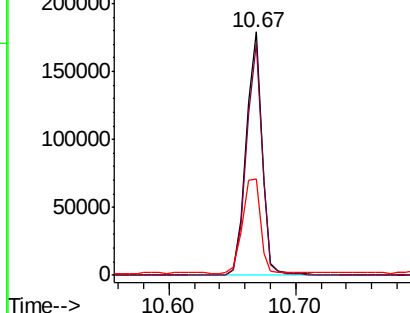
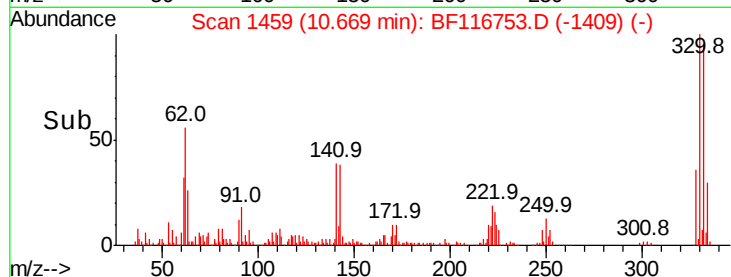


Abundance

Ion 329.80 (329.50 to 330.50): E

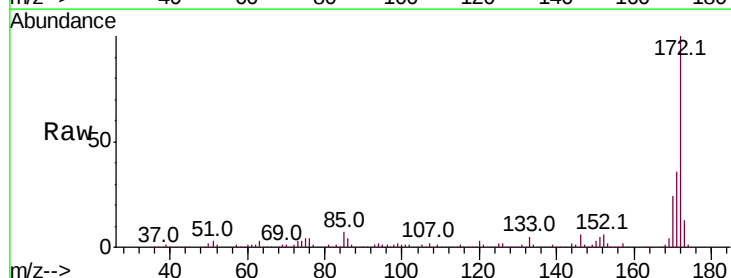
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.524 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116753.D
 Acq: 1 Sep 2019 20:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	27.8	41.6
170	23.9	18.9	28.3

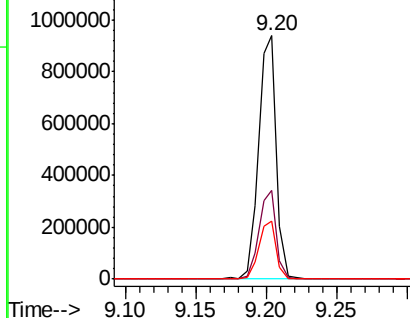
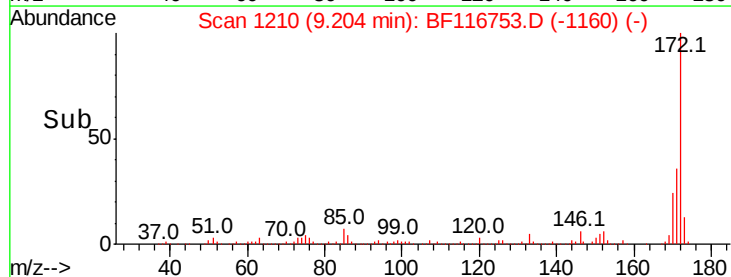


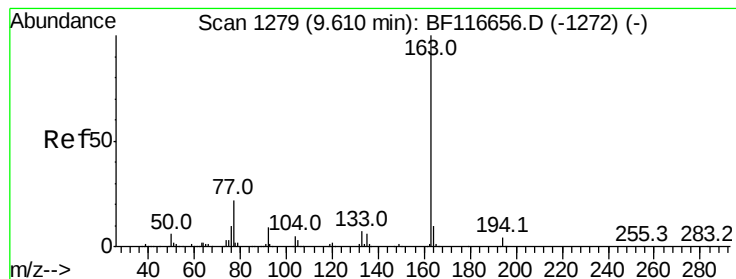
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.736 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

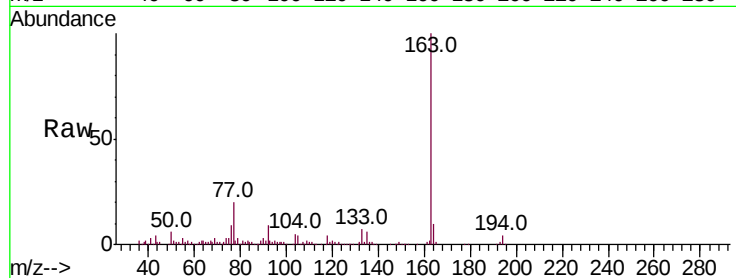
Tot Ion:163 Resp: 133994

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

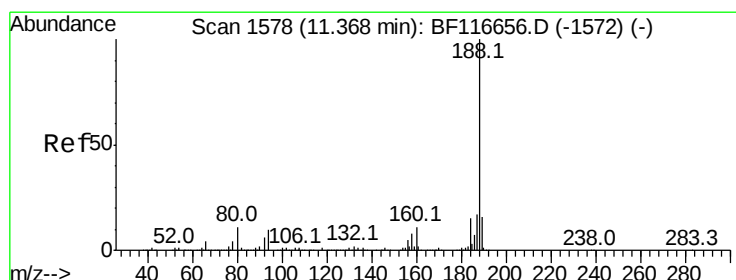
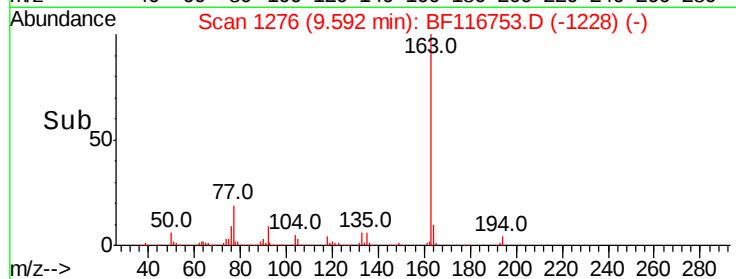
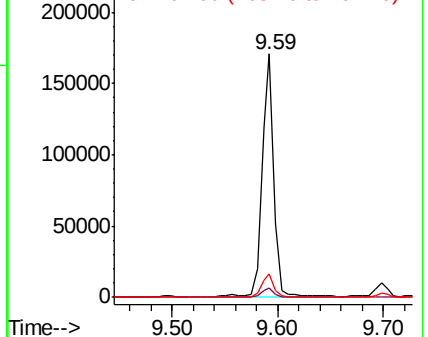
164 9.8 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

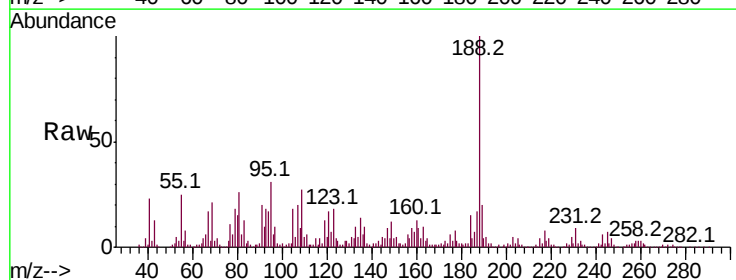
Tgt Ion:188 Resp: 299325

Ion Ratio Lower Upper

188 100

94 17.1 7.3 10.9#

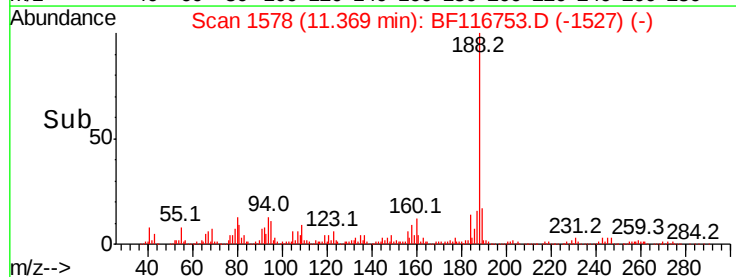
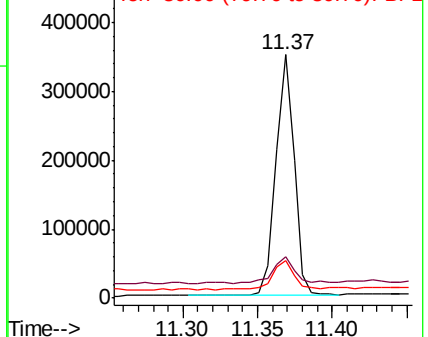
80 15.3 8.4 12.6#

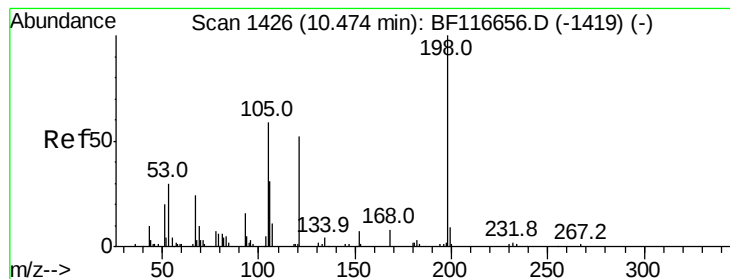


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 9.496 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

Instrument :

BNA_F

ClientSampled :

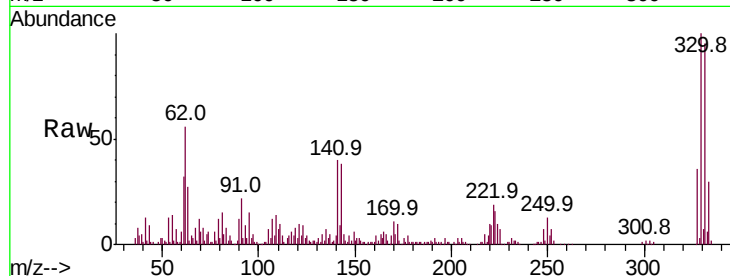
Tot Ion:198 Resp: 2669

Ion Ratio Lower Upper

198 100

51 122.2 18.4 58.4#

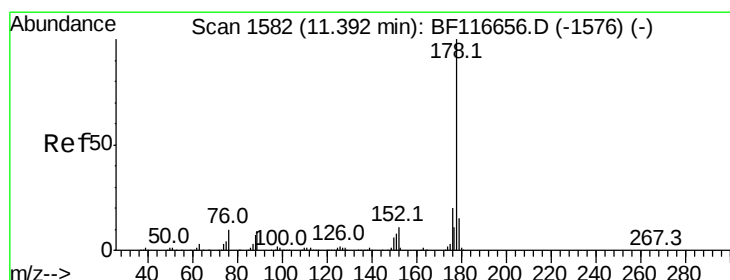
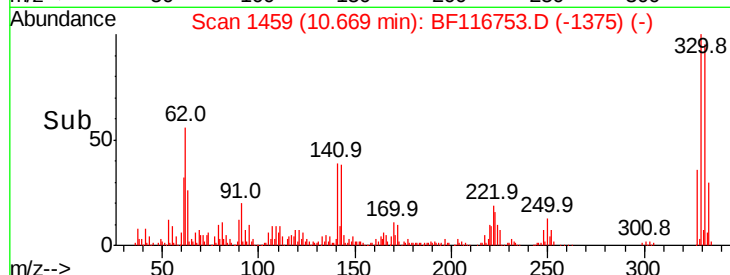
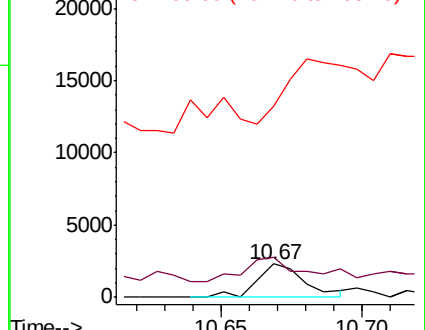
105 573.5 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 2.167 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

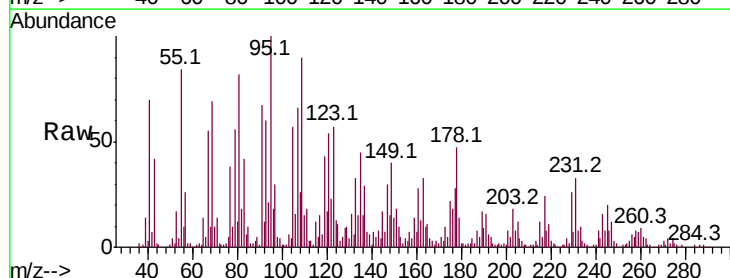
Tgt Ion:178 Resp: 36110

Ion Ratio Lower Upper

178 100

176 38.2 15.4 23.0#

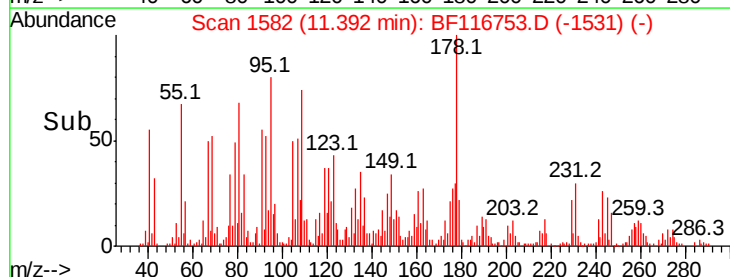
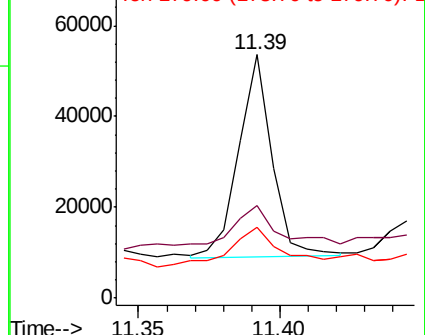
179 29.1 12.2 18.2#

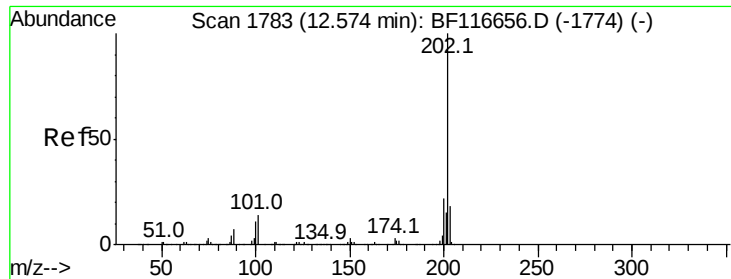


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.787 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.02 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

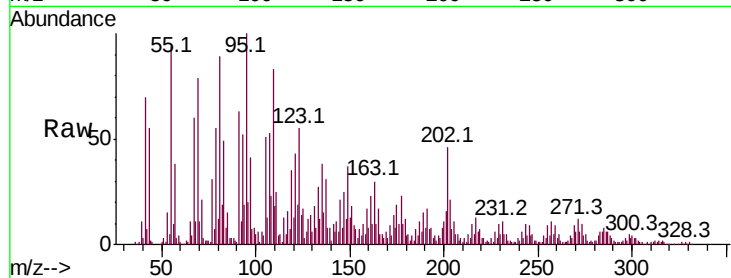
Tot Ion:202 Resp: 62015

Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.3

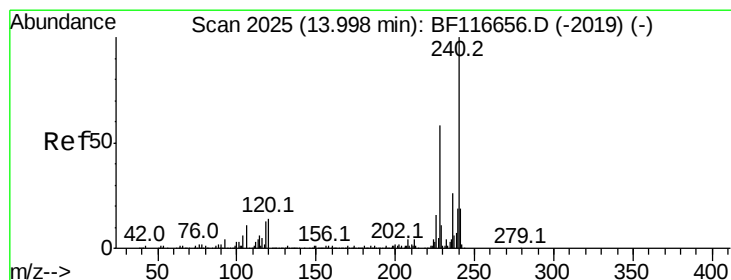
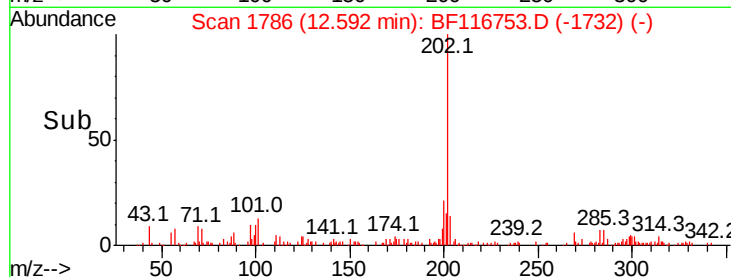
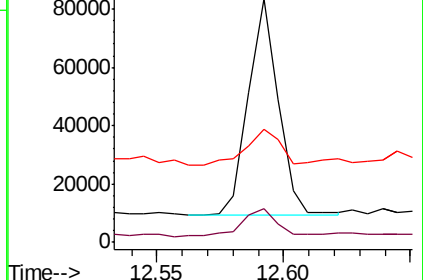
203 46.2 0.0 37.6#



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: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

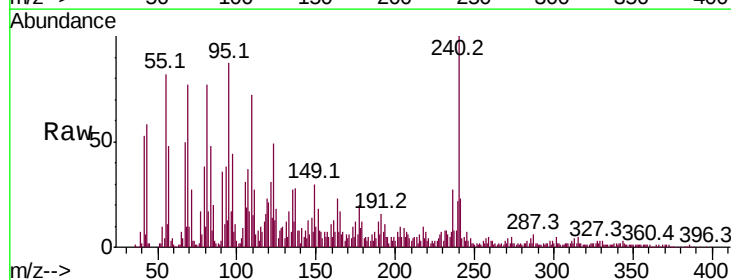
Tgt Ion:240 Resp: 178653

Ion Ratio Lower Upper

240 100

120 21.0 9.1 13.7#

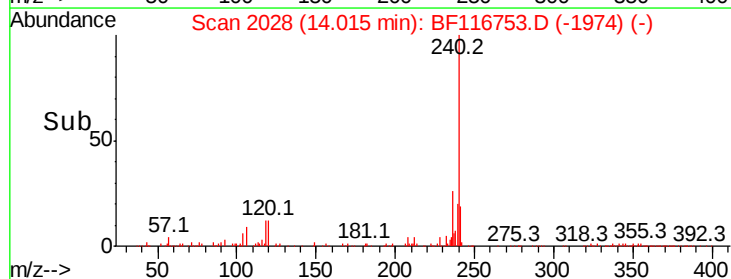
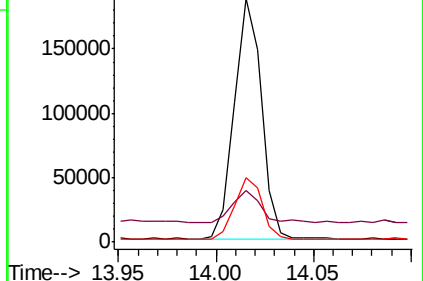
236 26.7 21.1 31.7

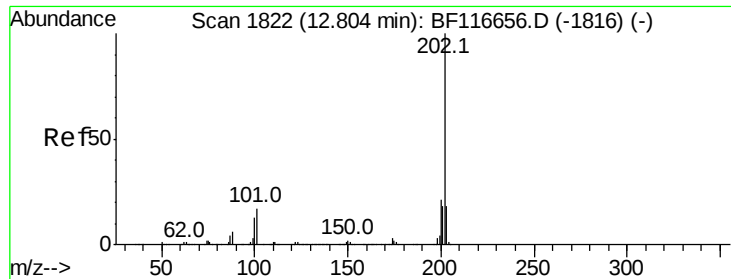


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

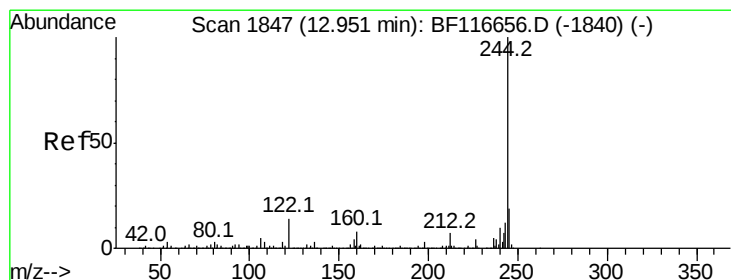
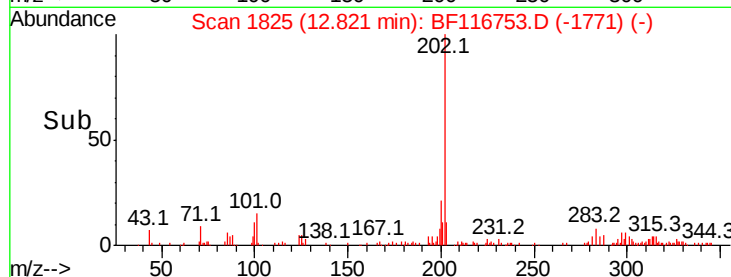
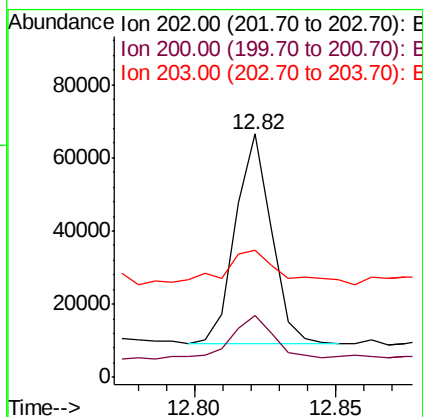
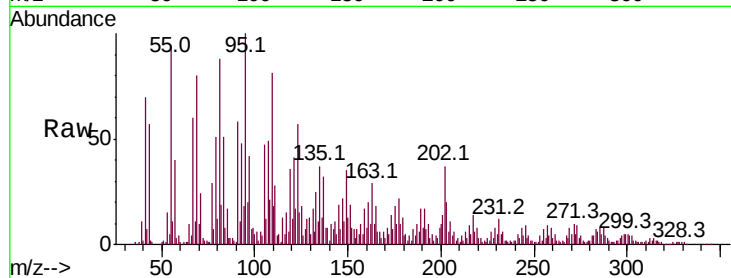




#78
Pvrene
Concen: 3.211 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

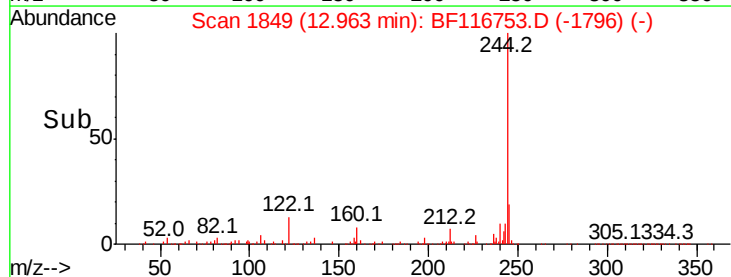
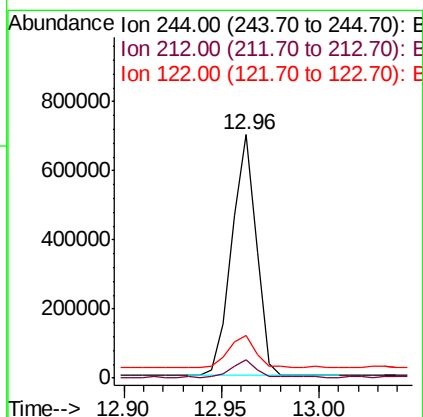
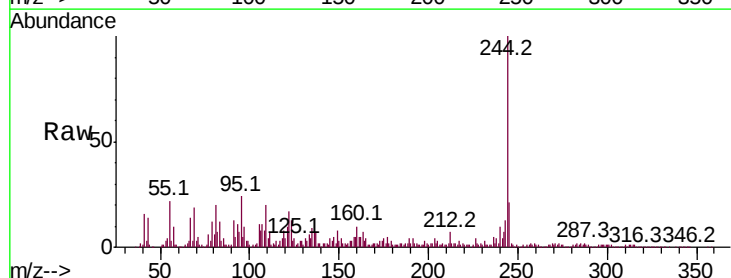
Instrument :
BNA_F
ClientSampleId :

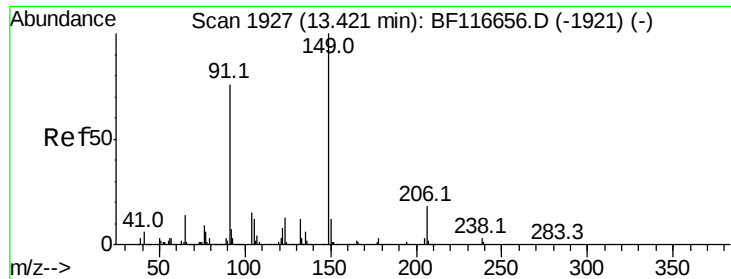
Tot Ion:202 Resp: 50998
Ion Ratio Lower Upper
202 100
200 25.5 16.5 24.7#
203 52.2 13.7 20.5#



#79
Terphenyl-d14
Concen: 63.134 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:244 Resp: 609699
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 17.5 10.2 15.4#

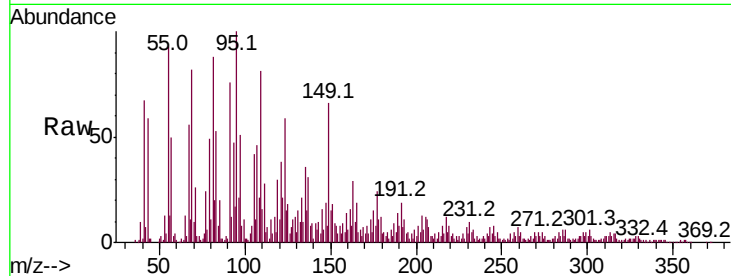




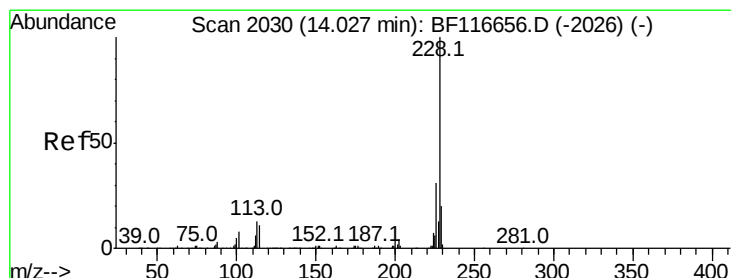
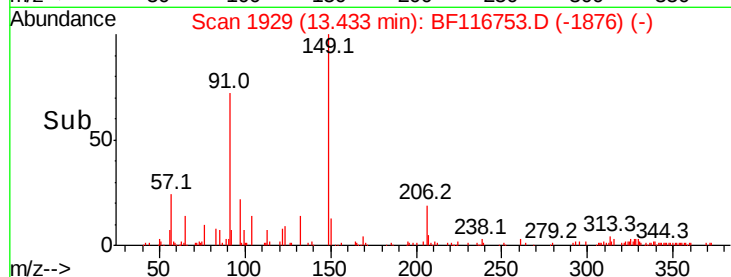
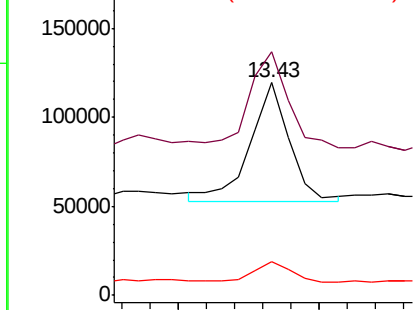
#80
Butylbenzylphthalate
Concen: 8.400 ng
RT: 13.43 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 64874
Ion Ratio Lower Upper
149 100
91 114.5 61.0 91.4#
206 16.1 14.8 22.2

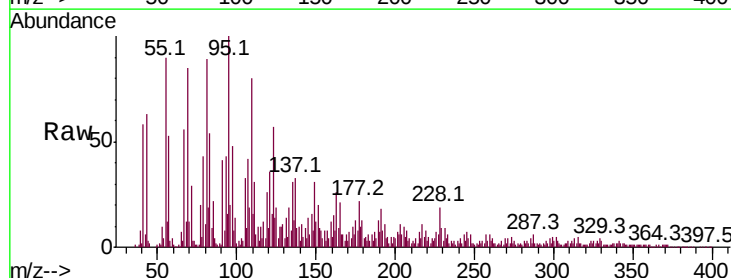


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

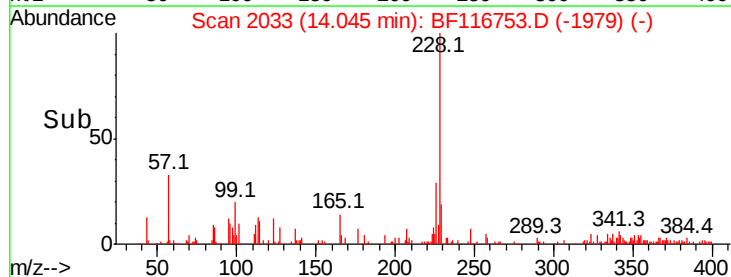
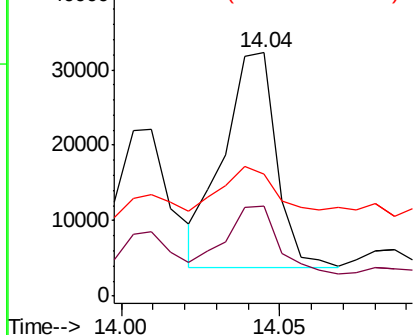


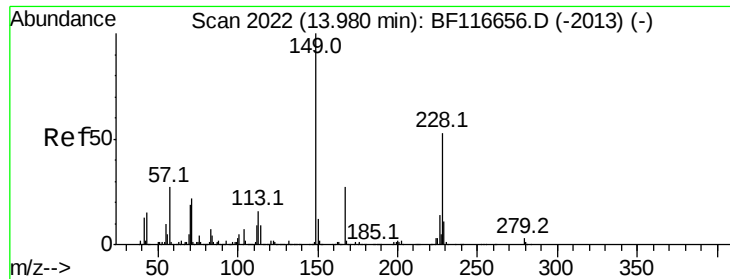
#83
Chrysene
Concen: 2.808 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:228 Resp: 32706
Ion Ratio Lower Upper
228 100
226 37.2 24.0 36.0#
229 50.4 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





#84

Bis(2-ethylhexyl)phthalate

Concen: 121.867 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.02 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

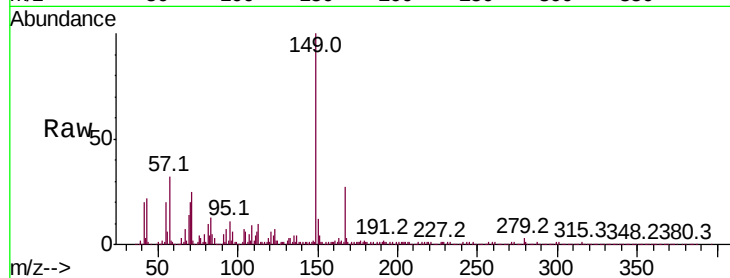
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 1161799

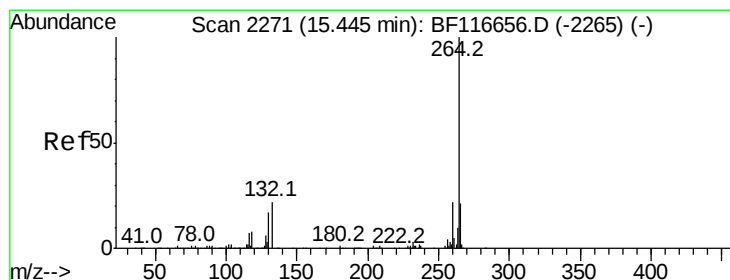
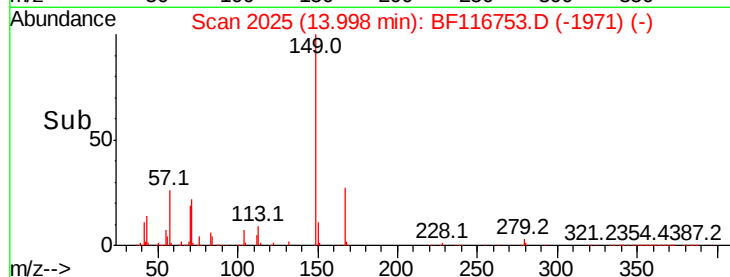
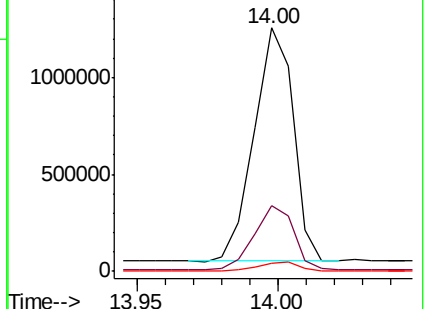
Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	3.4	2.8	4.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

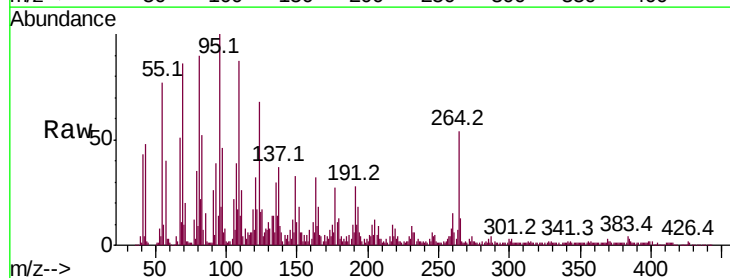
Delta R.T. 0.05 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

Tgt Ion:264 Resp: 156516

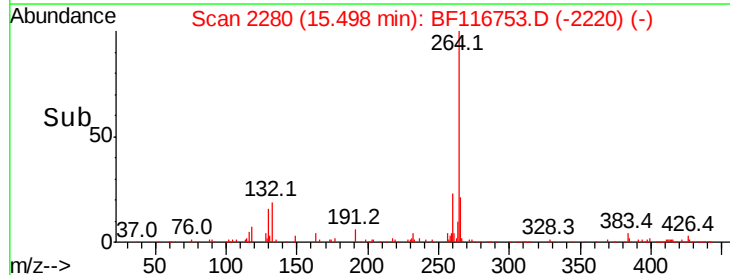
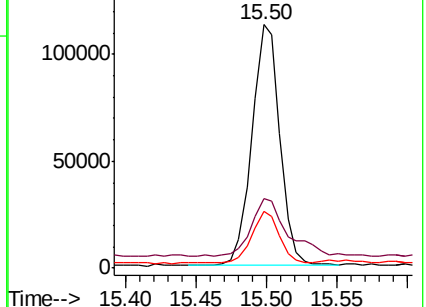
Ion	Ratio	Lower	Upper
264	100		
260	28.4	18.3	27.5#
265	23.3	16.5	24.7

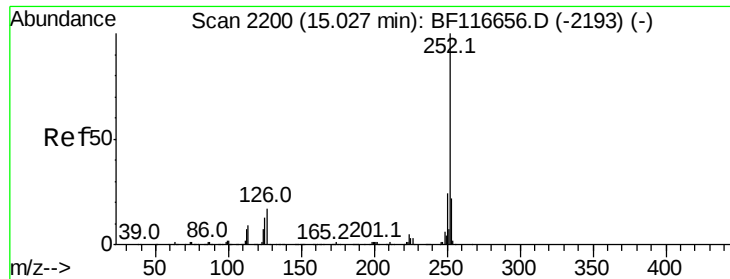


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

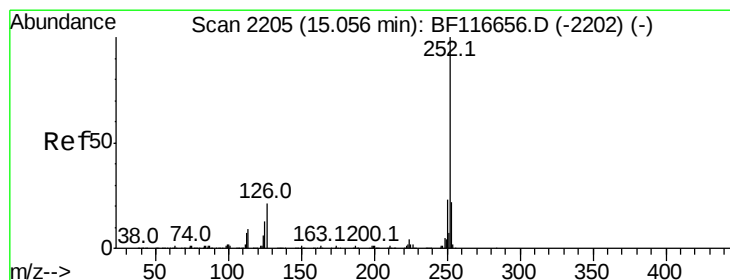
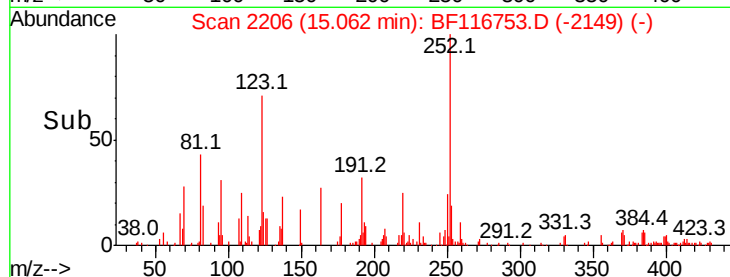
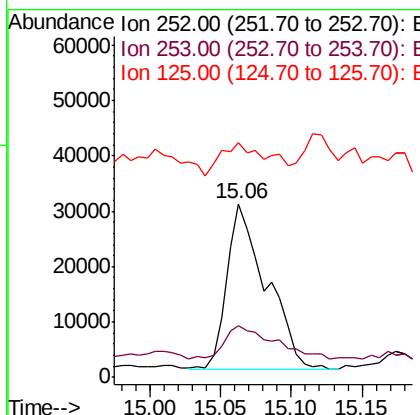
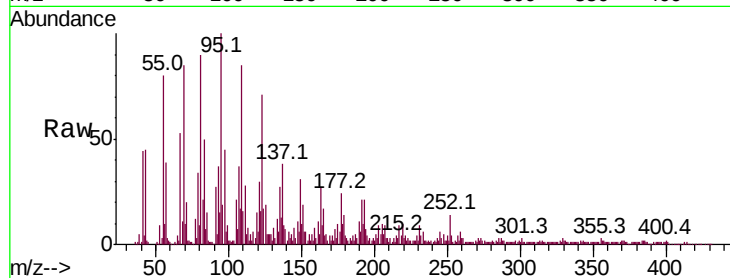




#88
Benzo(b)fluoranthene
Concen: 6.163 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.04 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

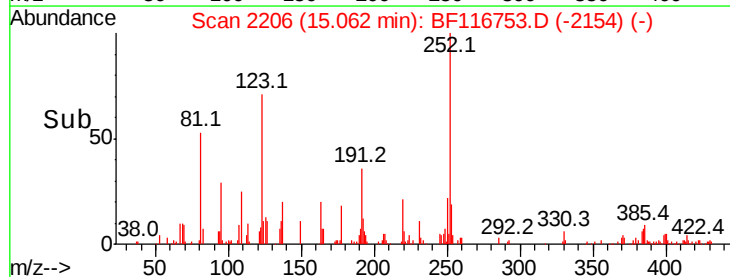
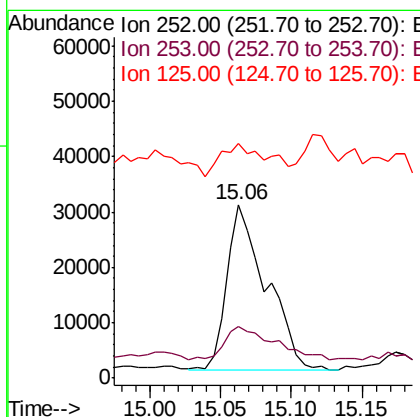
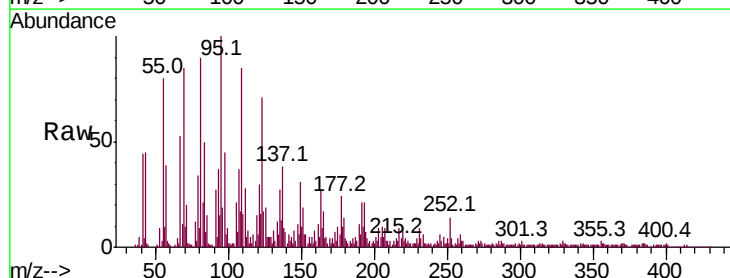
Instrument :
BNA_F
ClientSampleId :

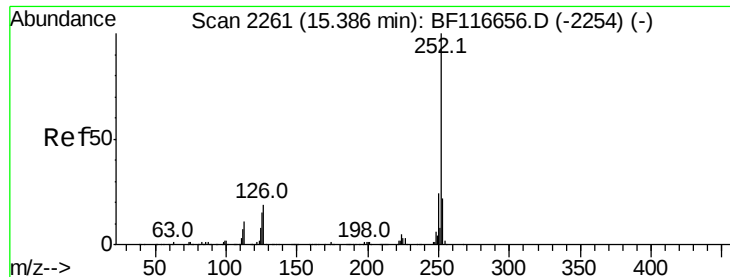
Tot Ion:252 Resp: 58322
Ion Ratio Lower Upper
252 100
253 29.7 17.7 26.5#
125 135.0 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 6.760 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:252 Resp: 58322
Ion Ratio Lower Upper
252 100
253 29.7 17.7 26.5#
125 135.0 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.488 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.05 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

Instrument :

BNA_F

ClientSampleId :

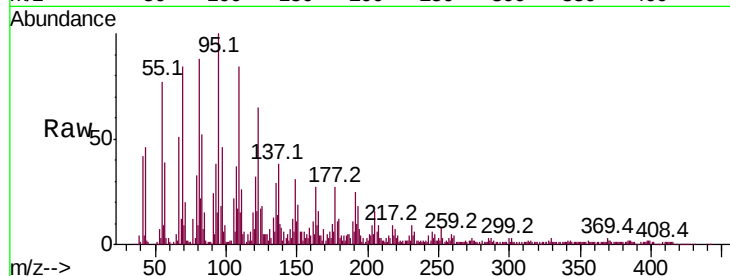
Tot Ion:252 Resp: 20483

Ion Ratio Lower Upper

252 100

253 39.7 18.1 27.1#

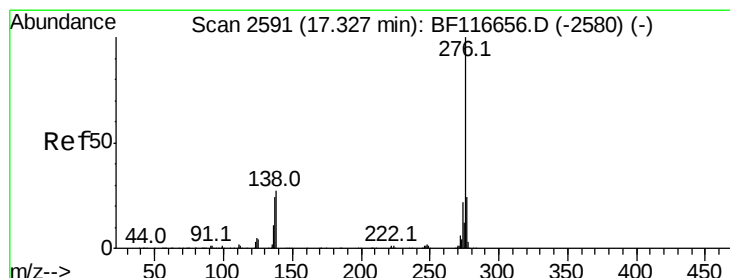
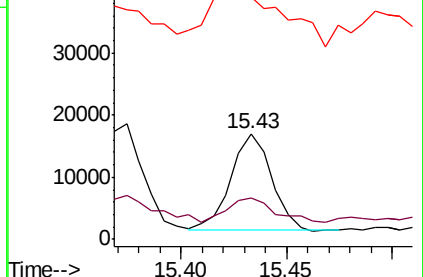
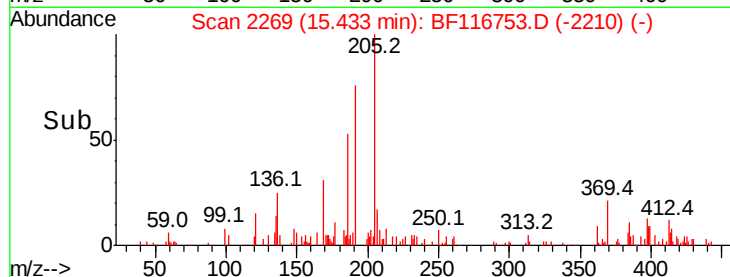
125 229.1 9.8 14.8#



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



#92

Benzo(g,h,i)perylene

Concen: 2.682 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.07 min

Lab File: BF116753.D

Acq: 1 Sep 2019 20:03

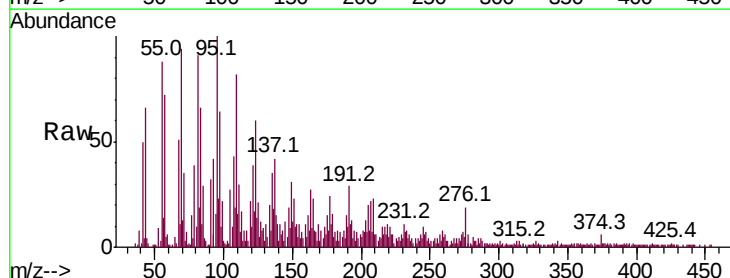
Tgt Ion:276 Resp: 19710

Ion Ratio Lower Upper

276 100

277 32.7 18.5 27.7#

138 78.2 16.2 24.2#



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

