

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116758.D
 Acq On : 1 Sep 2019 22:19
 Operator : HP/JU
 Sample : K4580-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:28:31 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

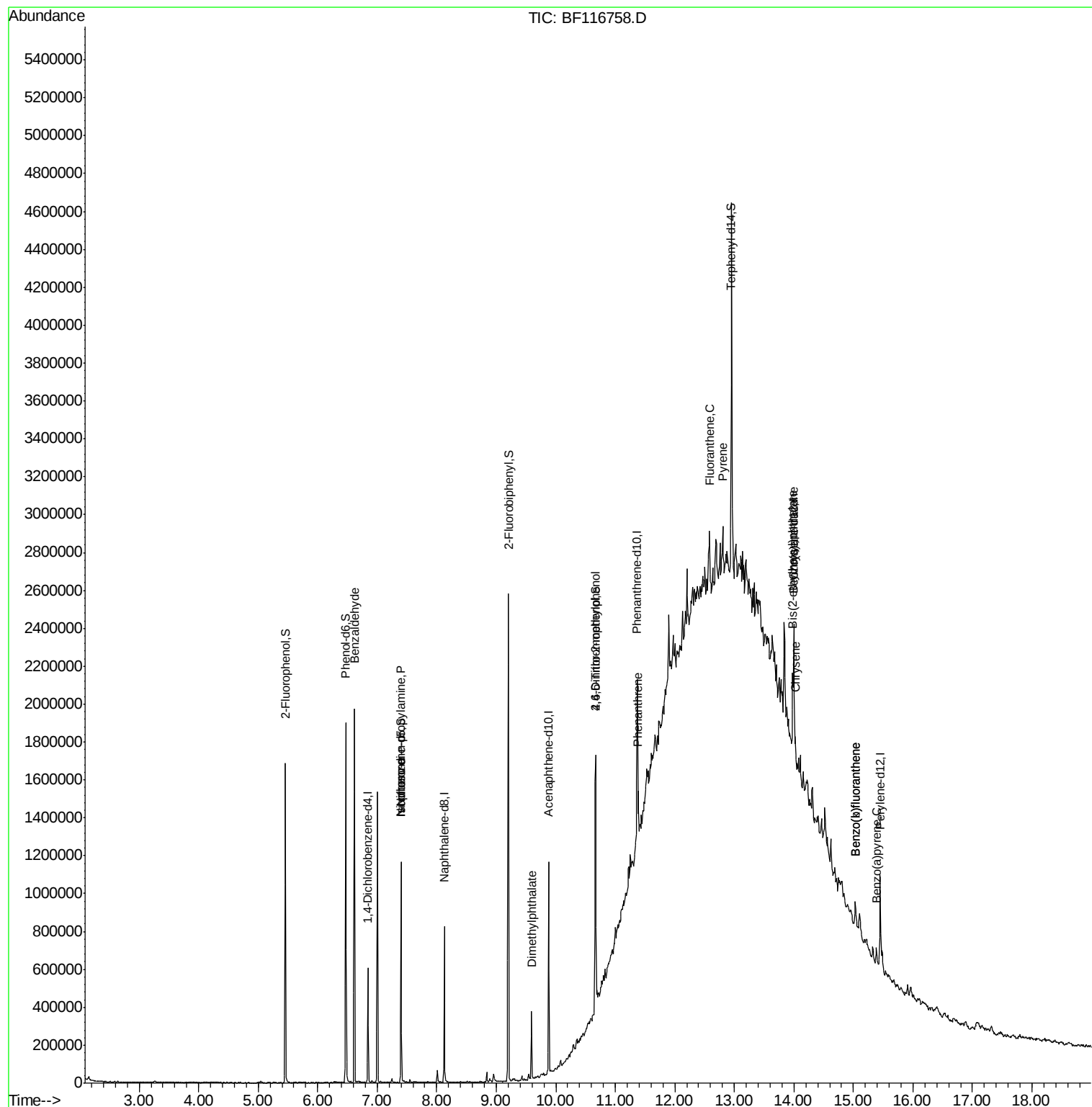
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	77177	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	334039	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	205363	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	333738	20.00	ng	0.00
76) Chrysene-d12	14.00	240	222719	20.00	ng	0.00
87) Perylene-d12	15.45	264	225098	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	451107	94.69	ng	0.00
7) Phenol-d6	6.47	99	632753	101.15	ng	0.00
23) Nitrobenzene-d5	7.40	82	370174	63.26	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	143084	104.22	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	741374	60.90	ng	0.00
79) Terphenyl-d14	12.95	244	727121	60.40	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	11487	2.787	ng	81
19) n-Nitroso-di-n-propylamine	7.40	70	48243	11.713	ng	# 71
25) Isophorone	7.40	82	370171	31.220	ng	# 66
50) Dimethylphthalate	9.59	163	126804	8.944	ng	98
65) 4,6-Dinitro-2-methylphenol	10.67	198	423	7.742	ng	# 1
71) Phenanthrene	11.39	178	82656	4.449	ng	# 90
75) Fluoranthene	12.58	202	120776	6.615	ng	86
78) Pyrene	12.81	202	102692	5.187	ng	# 88
81) Benzo(a)anthracene	13.99	228	48678	3.453	ng	# 94
83) Chrysene	14.03	228	48065	3.310	ng	# 92
84) Bis(2-ethylhexyl)phthalate	13.98	149	105090	8.842	ng	99
88) Benzo(b)fluoranthene	15.03	252	77250	5.676	ng	# 83
89) Benzo(k)fluoranthene	15.03	252	77250	6.226	ng	# 83
90) Benzo(a)pyrene	15.39	252	39585	3.343	ng	# 80

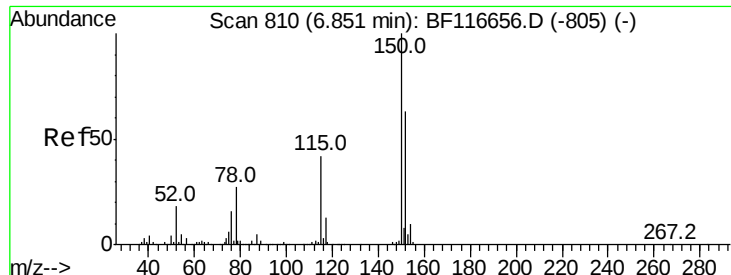
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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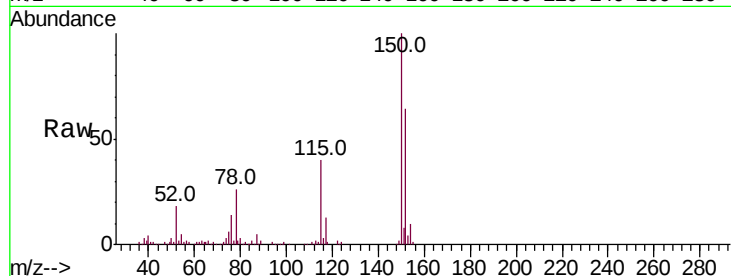


#1

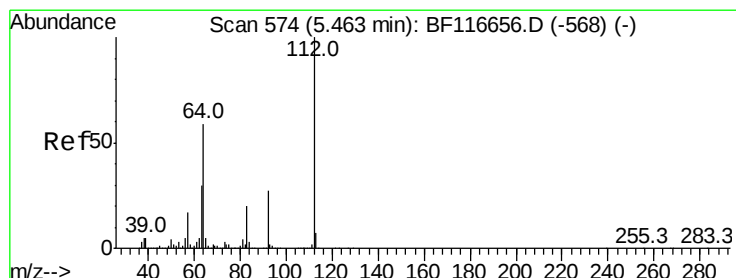
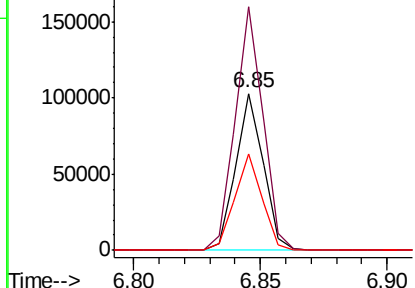
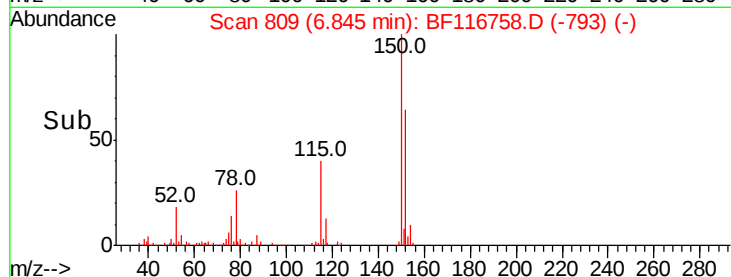
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.4	186.6
115	61.4	49.9	74.9



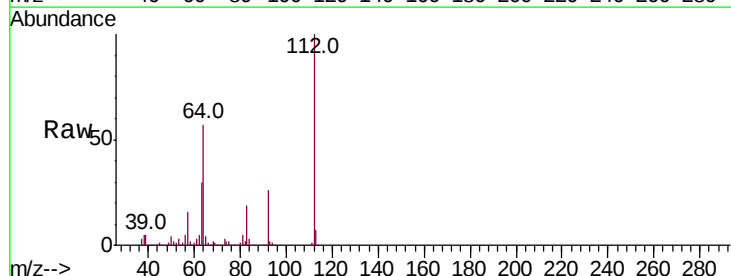
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



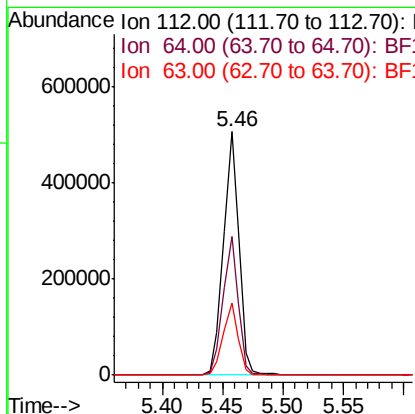
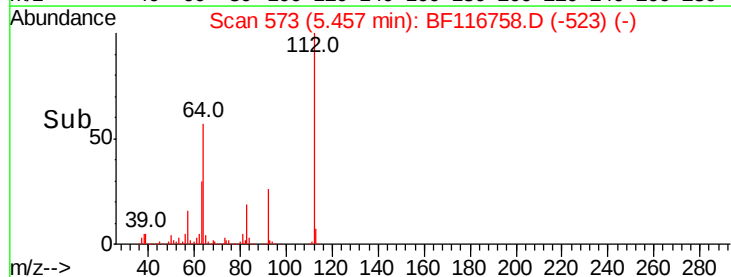
#5

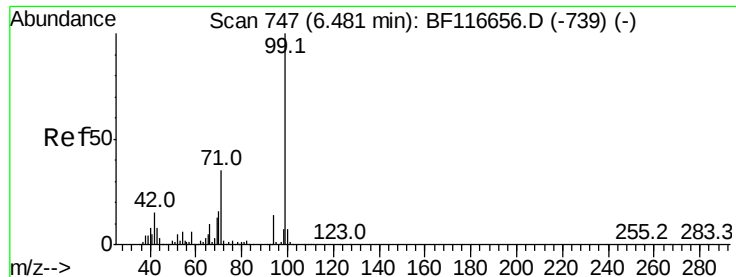
2-Fluorophenol
Concen: 94.694 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.1	70.7
63	29.5	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: 101.152 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

Instrument :

BNA_F

ClientSampled :

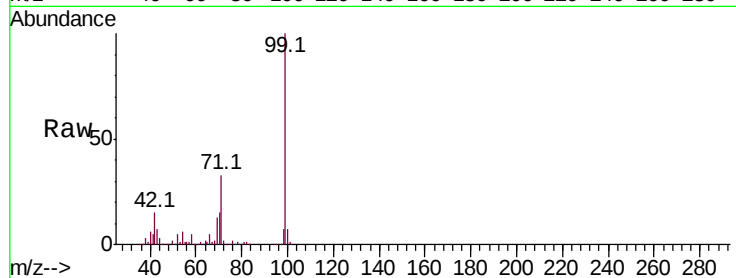
Tot Ion: 99 Resp: 632753

Ion Ratio Lower Upper

99 100

42 14.8 13.7 20.5

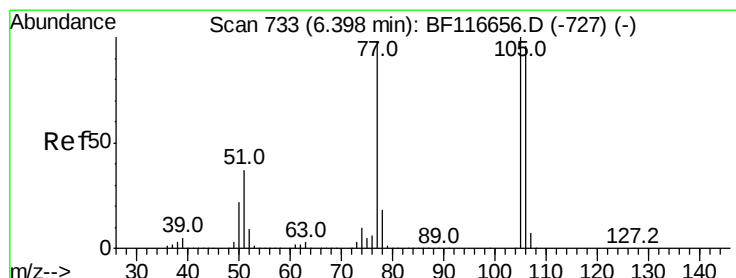
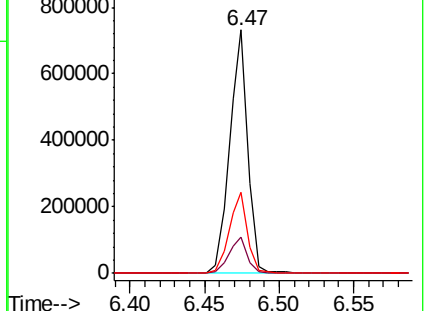
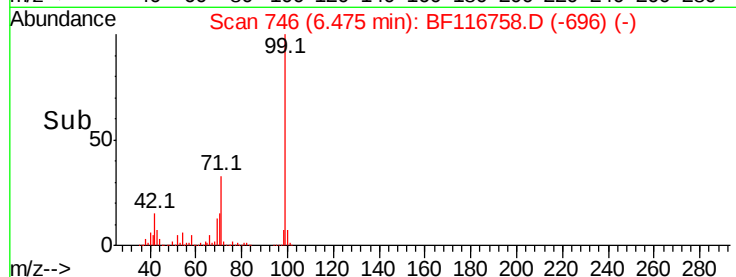
71 33.3 30.8 46.2



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



#9

Benzaldehyde

Concen: 2.787 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

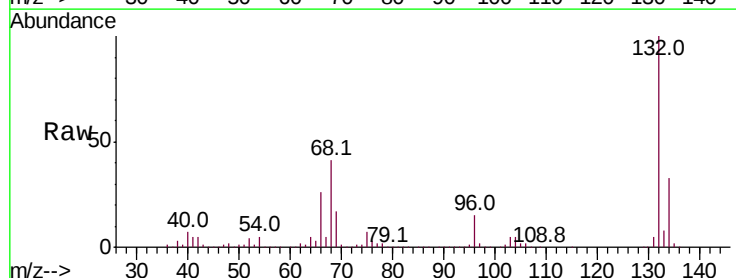
Tgt Ion: 77 Resp: 11487

Ion Ratio Lower Upper

77 100

105 79.4 76.7 116.7

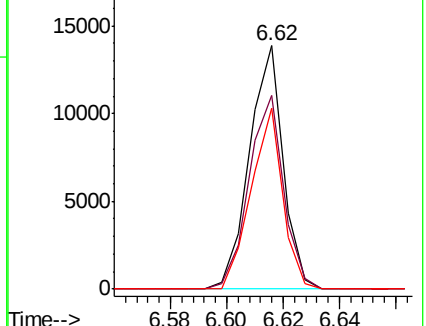
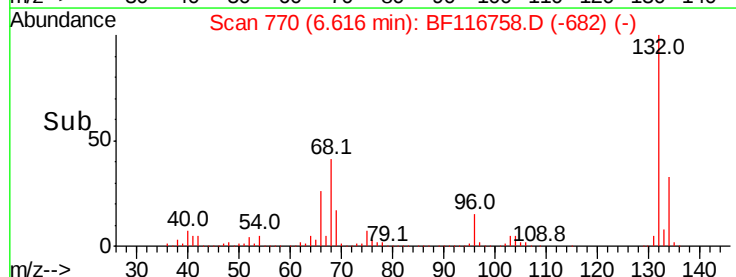
106 74.4 73.1 113.1

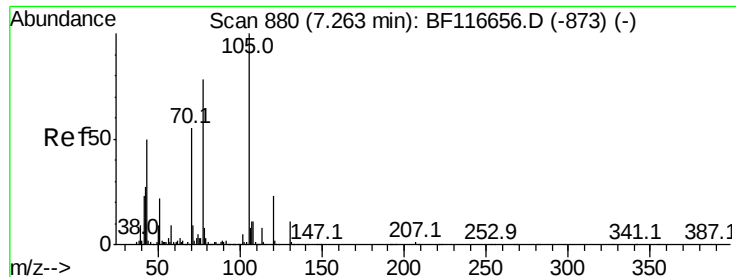


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

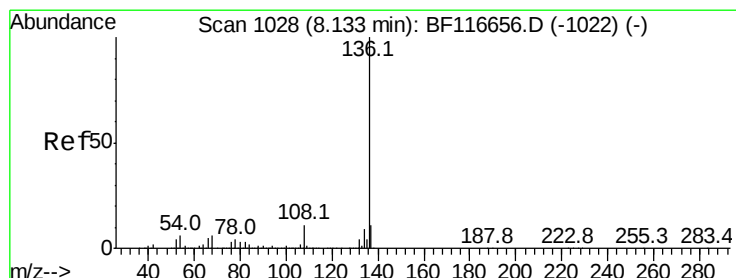
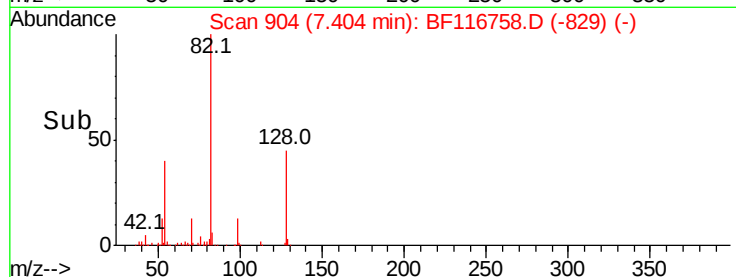
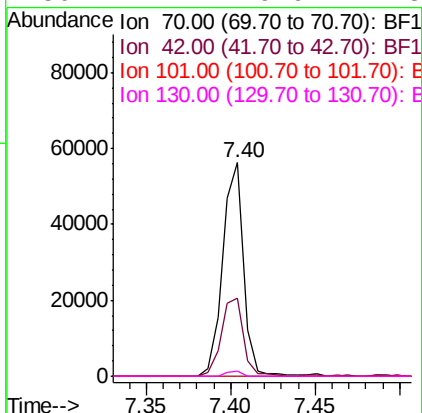
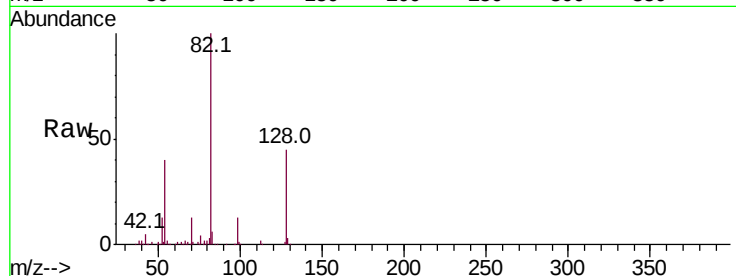




#19
n-Nitroso-di-n-propylamine
Concen: 11.713 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

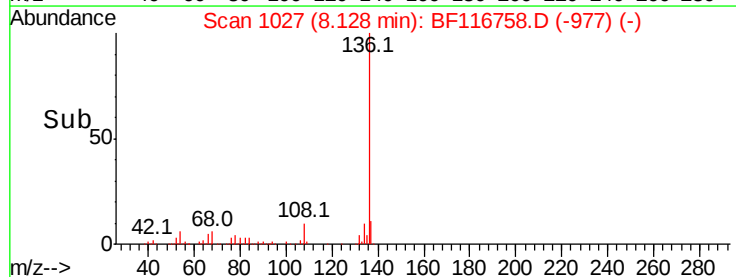
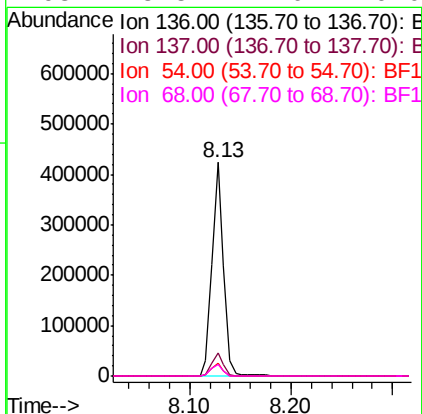
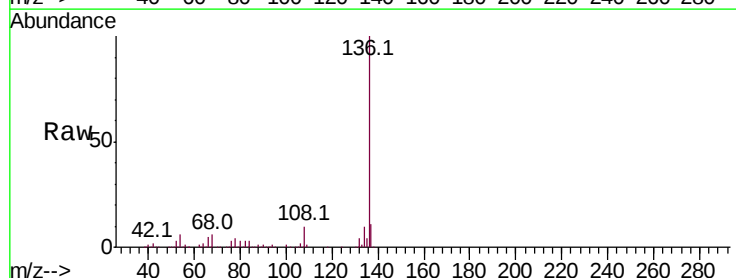
Instrument :
BNA_F
ClientSampleId :

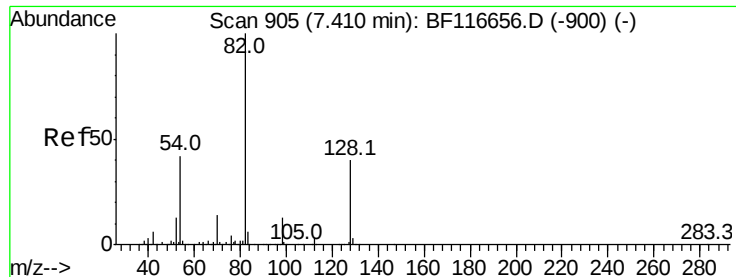
Tot Ion	Ratio	Lower	Upper
70	100		
42	36.7	43.5	65.3#
101	0.0	7.8	11.6#
130	2.2	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.3	4.8	7.2
68	5.5	4.0	6.0

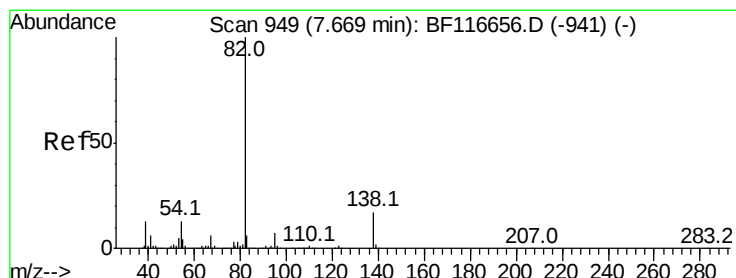
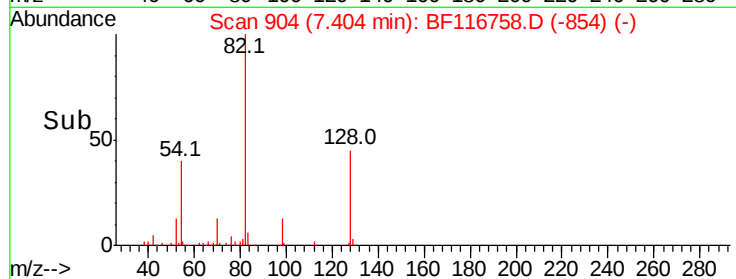
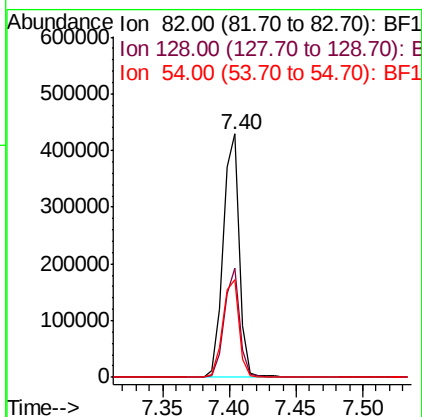
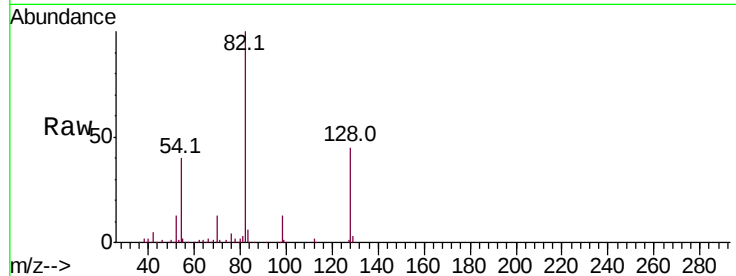




#23
Nitrobenzene-d5
Concen: 63.263 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

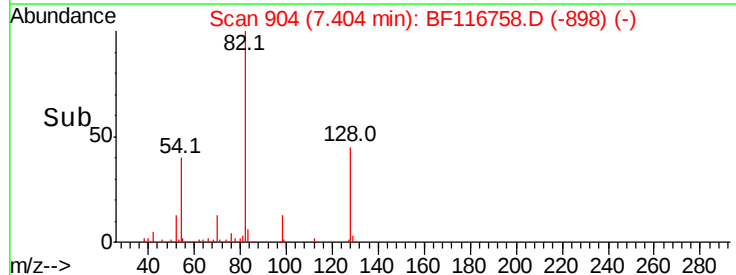
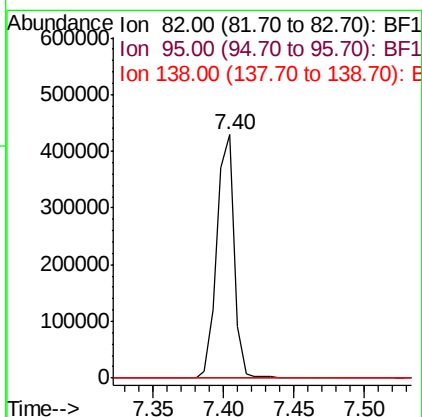
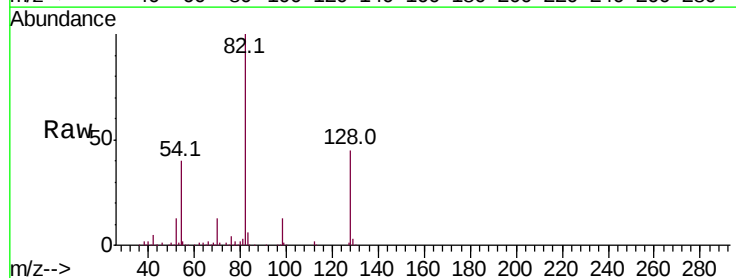
Instrument :
BNA_F
ClientSampled :

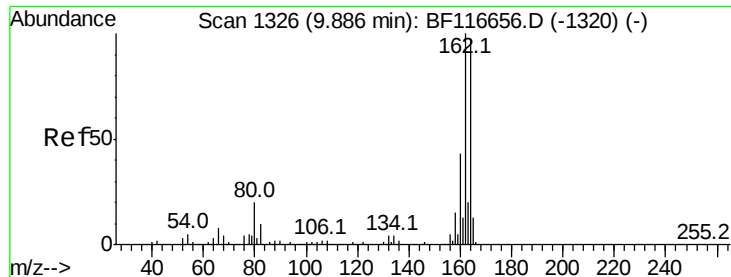
Tot Ion	82	Resp	370174
Ion Ratio	Lower	Upper	
82	100		
128	44.9	32.8	49.2
54	40.2	36.9	55.3



#25
Isophorone
Concen: 31.220 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

Tgt Ion	82	Resp	370171
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

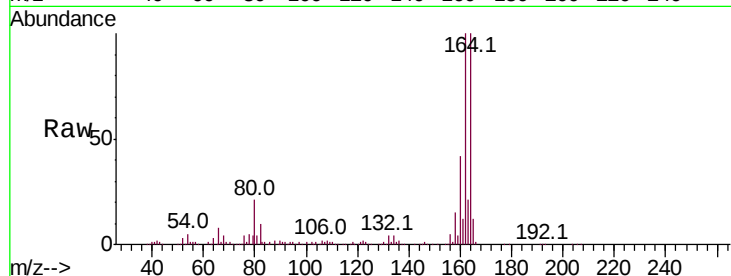




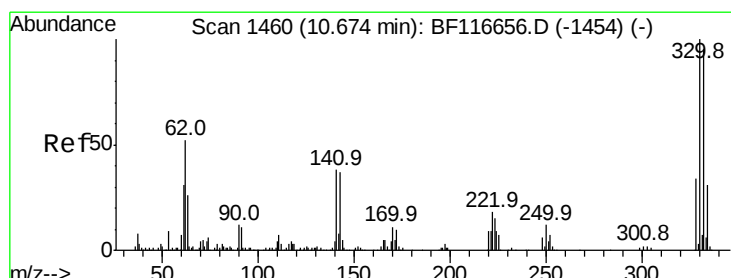
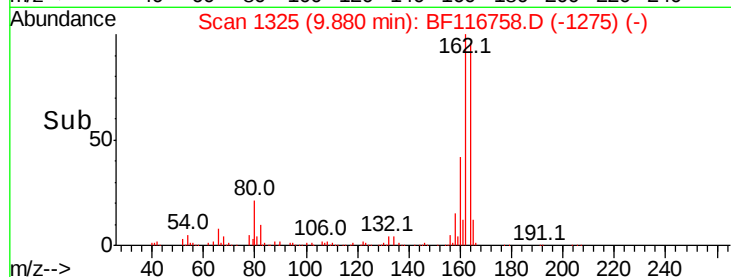
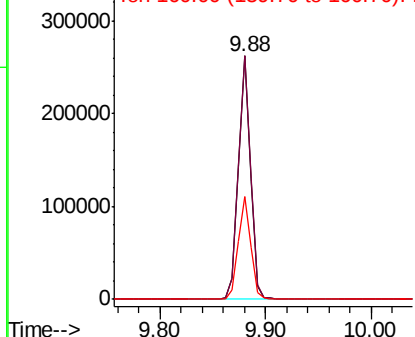
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116758.D
 Acq: 1 Sep 2019 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 205363
 Ion Ratio Lower Upper
 164 100
 162 99.9 81.4 122.0
 160 42.2 35.4 53.2

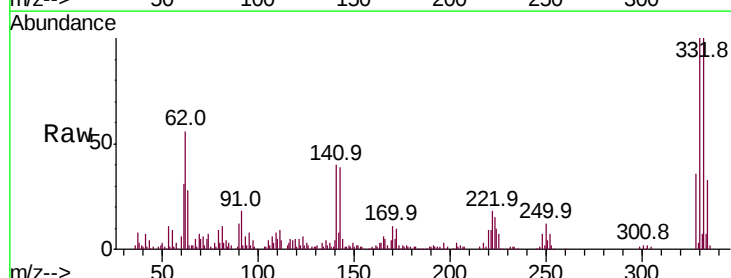


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

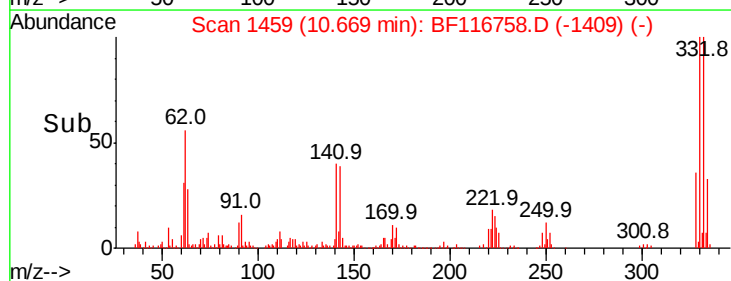
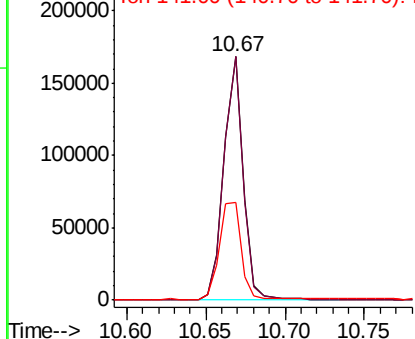


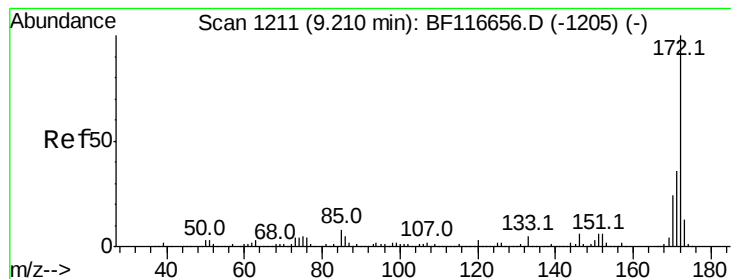
#42
 2,4,6-Tribromophenol
 Concen: 104.221 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116758.D
 Acq: 1 Sep 2019 22:19

Tgt Ion:330 Resp: 143084
 Ion Ratio Lower Upper
 330 100
 332 99.4 76.9 115.3
 141 45.0 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: 60.898 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

Instrument :

BNA_F

ClientSampleId :

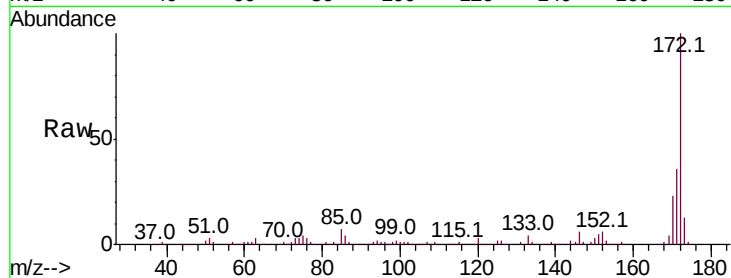
Tot Ion:172 Resp: 741374

Ion Ratio Lower Upper

172 100

171 35.7 27.8 41.6

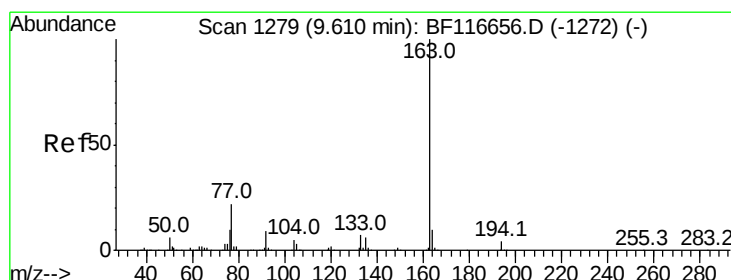
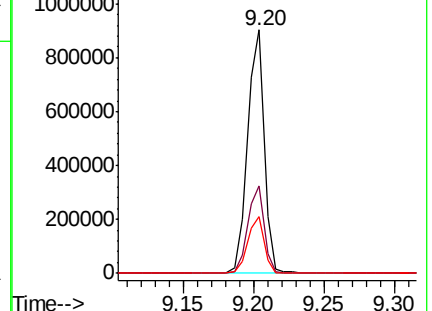
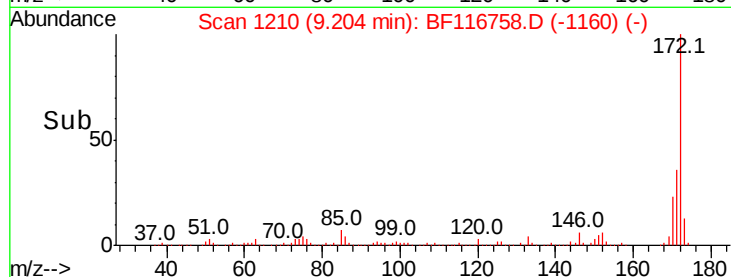
170 23.4 18.9 28.3



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: 8.944 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

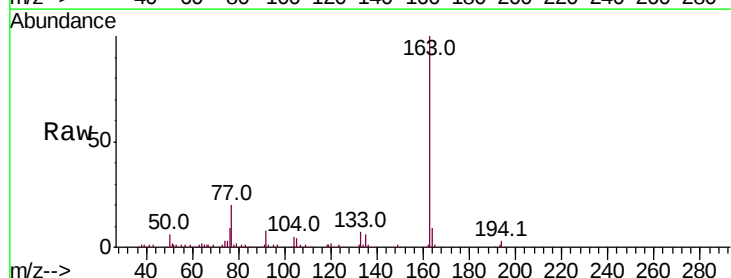
Tgt Ion:163 Resp: 126804

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

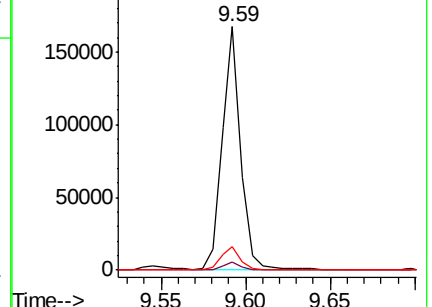
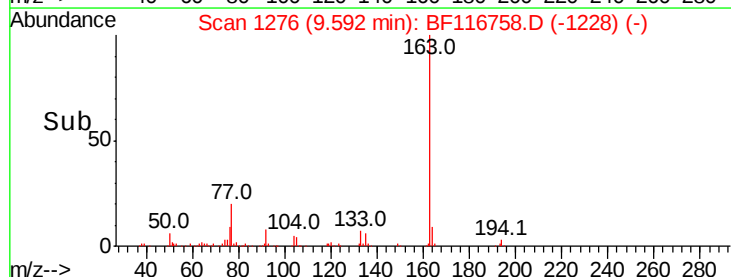
164 9.5 8.6 12.8

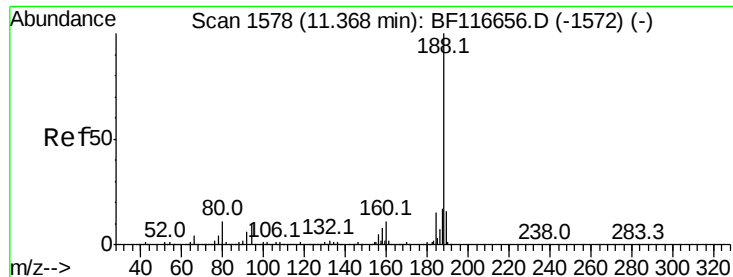


Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

Instrument :

BNA_F

ClientSampleId :

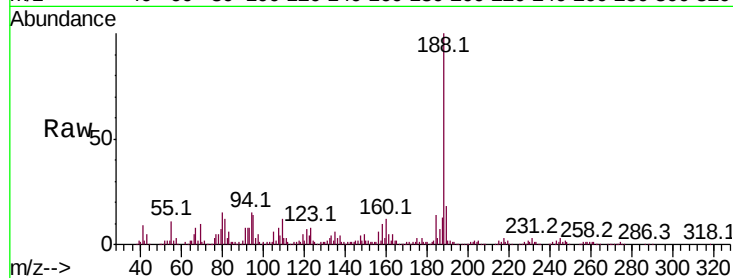
Tot Ion:188 Resp: 333738

Ion Ratio Lower Upper

188 100

94 14.7 7.3 10.9#

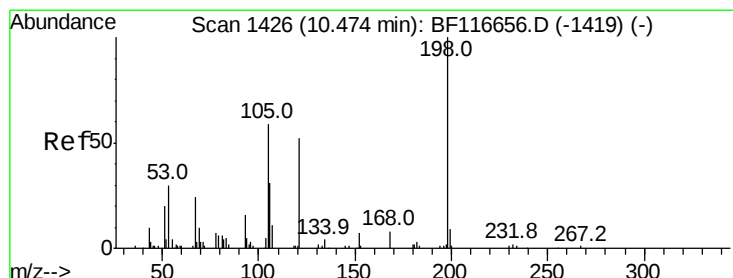
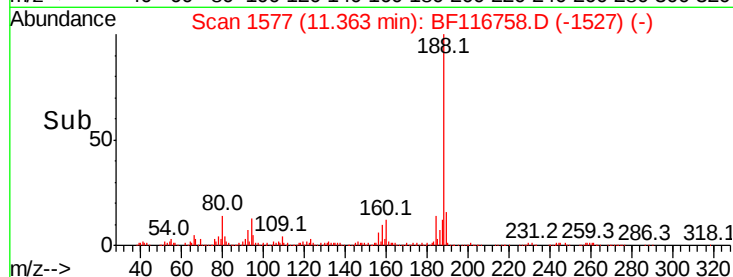
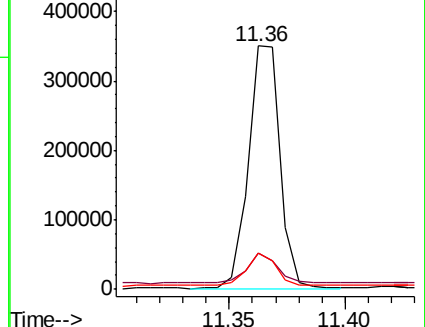
80 14.9 8.4 12.6#



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: 7.742 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

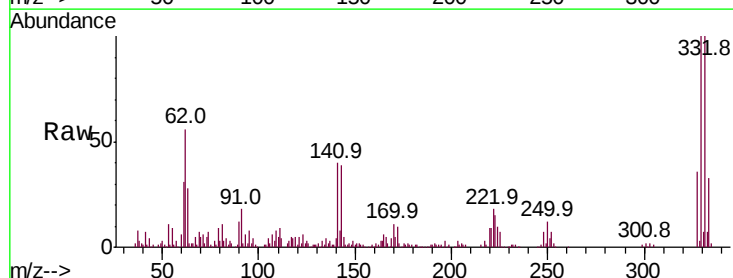
Tgt Ion:198 Resp: 423

Ion Ratio Lower Upper

198 100

51 273.7 18.4 58.4#

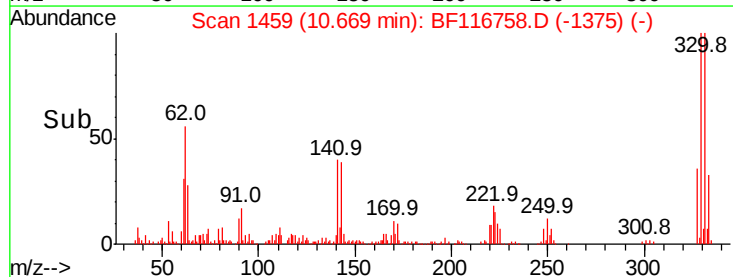
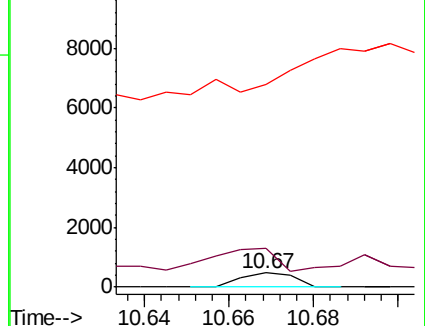
105 1437.1 22.9 62.9#

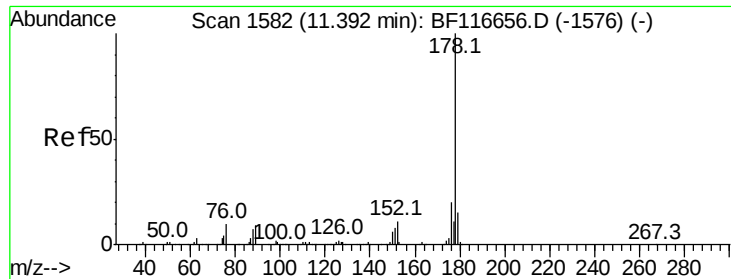


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

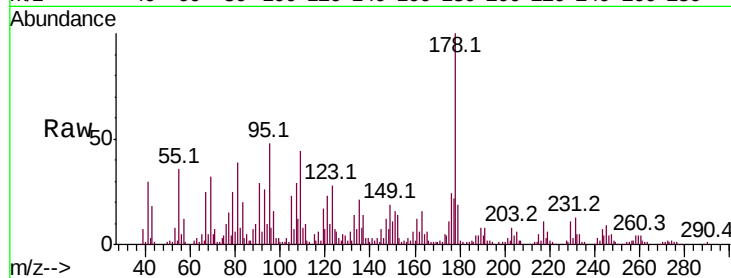




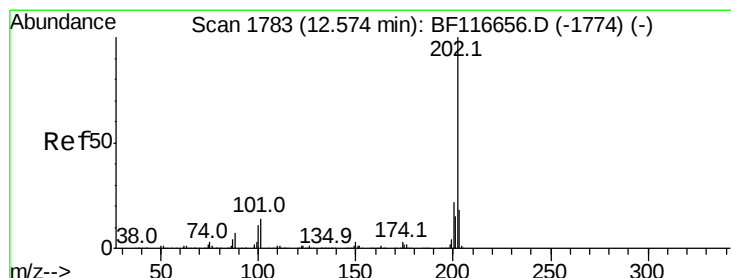
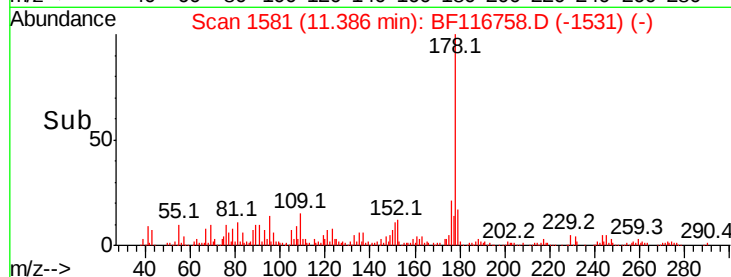
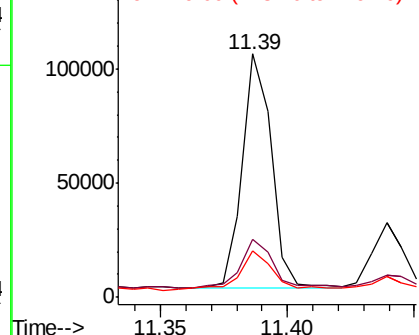
#71
Phenanthrene
Concen: 4.449 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 82656
Ion Ratio Lower Upper
178 100
176 23.8 15.4 23.0#
179 19.1 12.2 18.2#

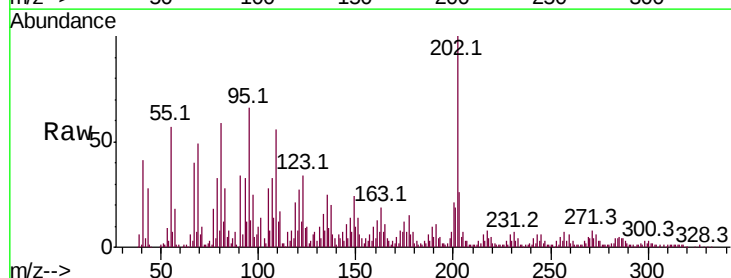


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

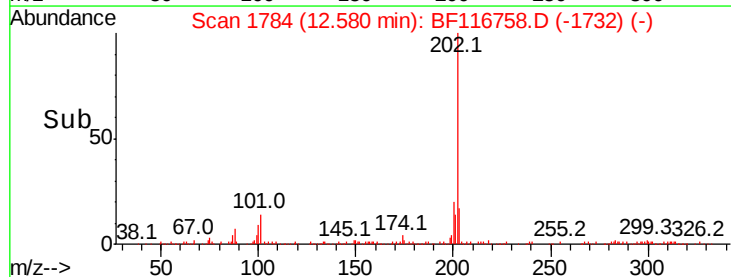
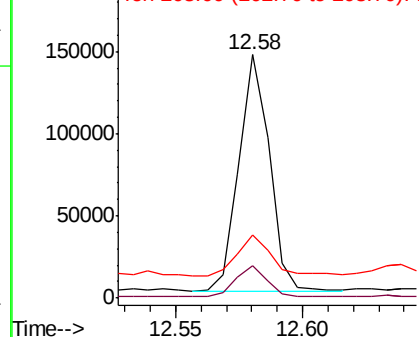


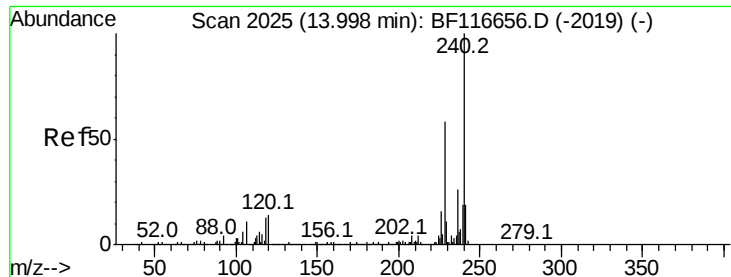
#75
Fluoranthene
Concen: 6.615 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

Tgt Ion:202 Resp: 120776
Ion Ratio Lower Upper
202 100
101 13.6 0.0 31.3
203 26.2 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: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

Instrument :

BNA_F

ClientSampleId :

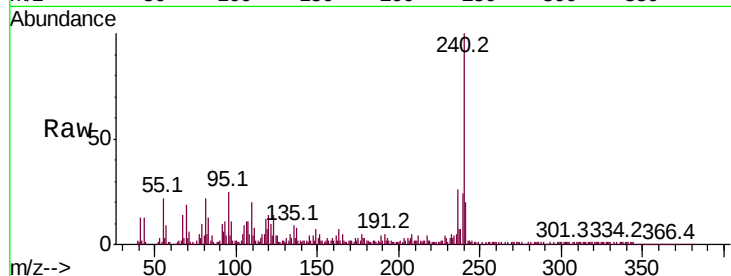
Tot Ion:240 Resp: 222719

Ion Ratio Lower Upper

240 100

120 14.2 9.1 13.7#

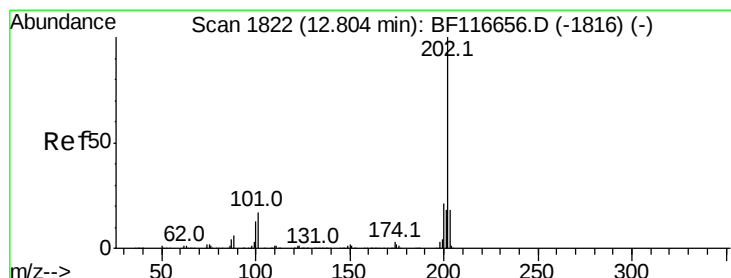
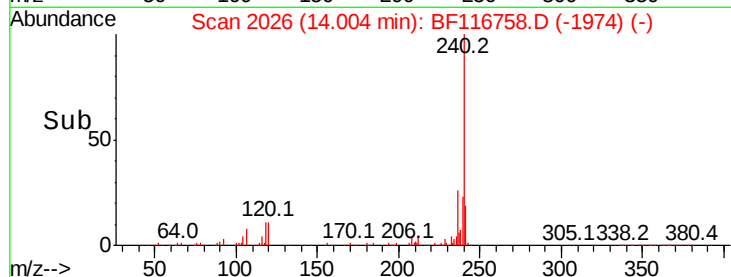
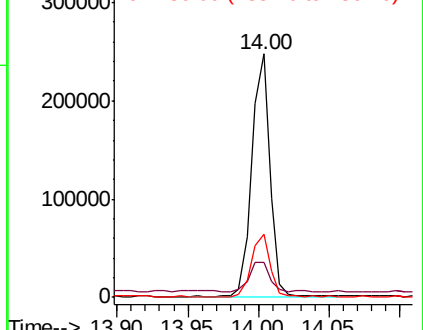
236 26.1 21.1 31.7



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: 5.187 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

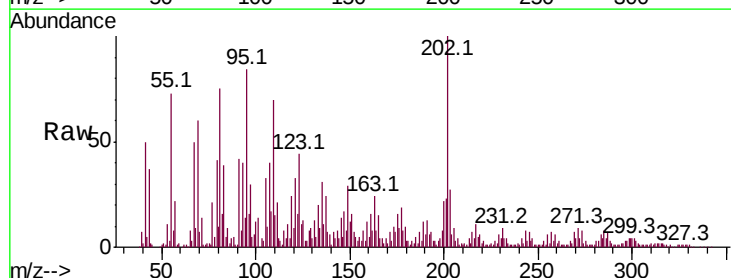
Tgt Ion:202 Resp: 102692

Ion Ratio Lower Upper

202 100

200 21.9 16.5 24.7

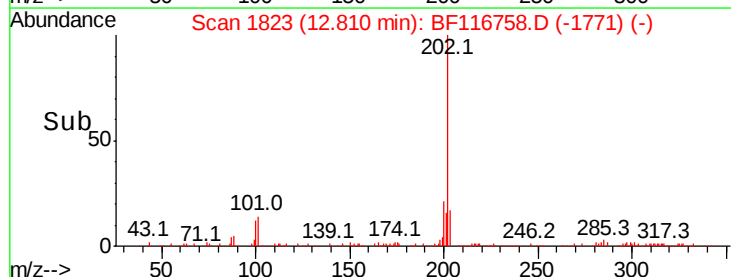
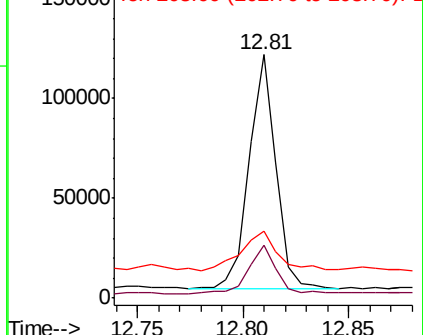
203 27.4 13.7 20.5#

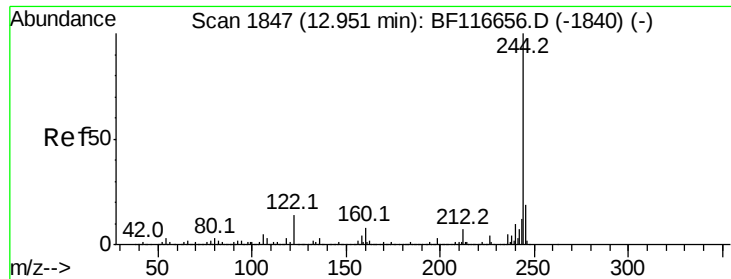


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

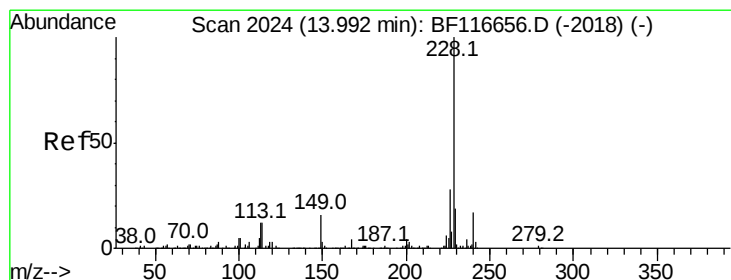
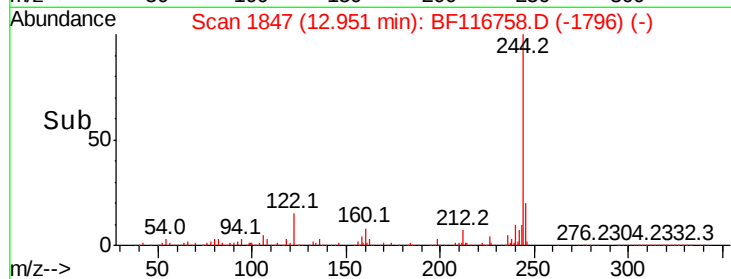
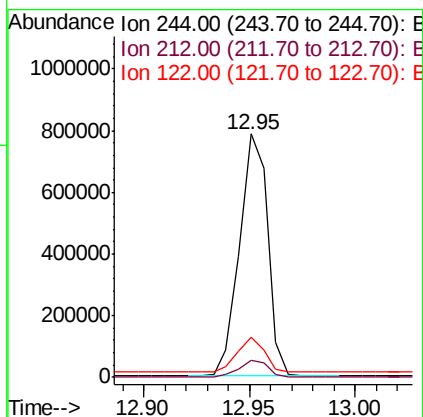
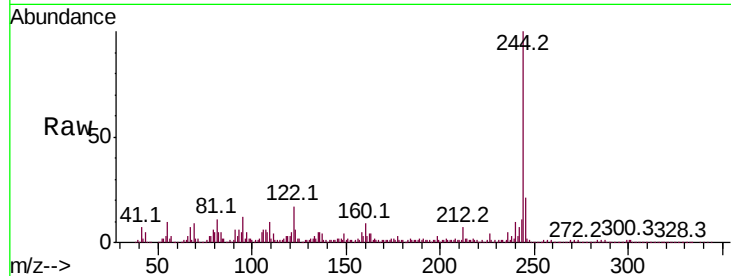




#79
 Terphenyl-d14
 Concen: 60.396 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BF116758.D
 Acq: 1 Sep 2019 22:19

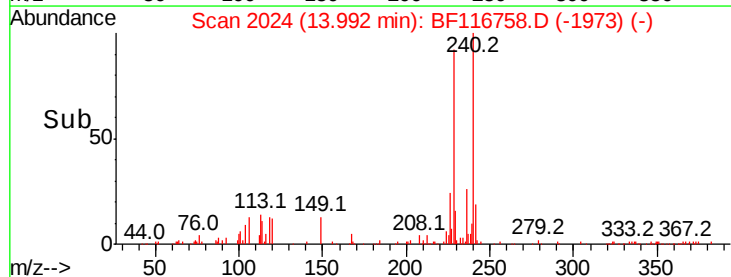
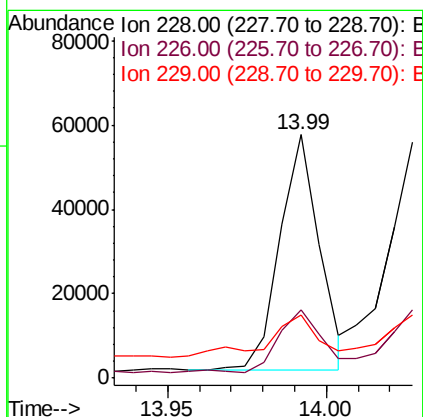
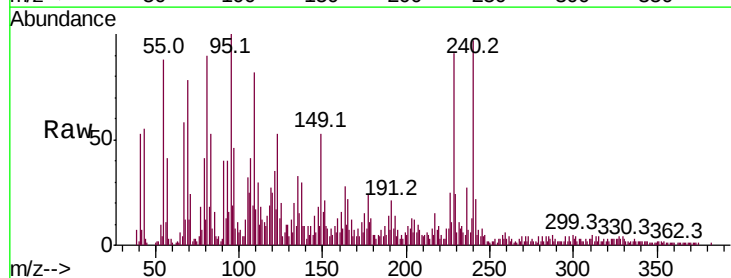
Instrument :
 BNA_F
 ClientSampleId :

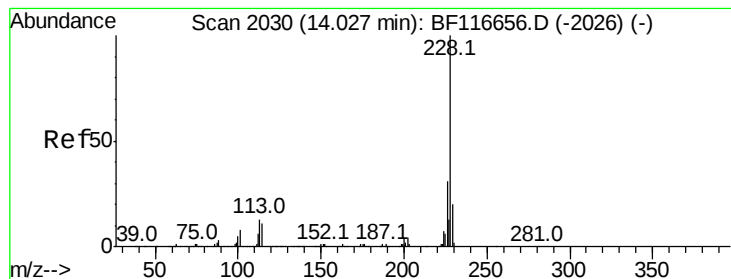
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	16.6	10.2	15.4



#81
 Benzo(a)anthracene
 Concen: 3.453 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF116758.D
 Acq: 1 Sep 2019 22:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.0	33.0
229	26.1	16.4	24.6





#83

Chrysene

Concen: 3.310 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

Instrument :

BNA_F

ClientSampleId :

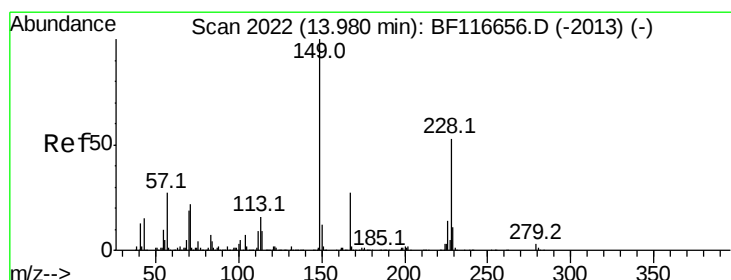
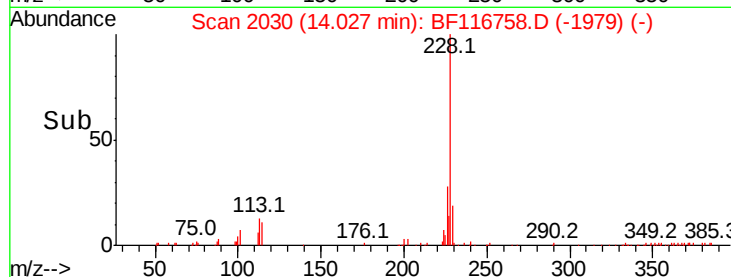
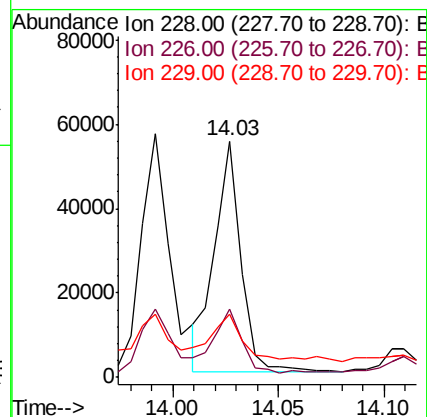
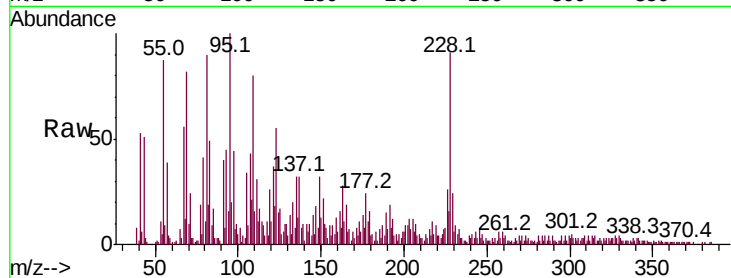
Tot Ion:228 Resp: 48065

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

229 26.6 15.4 23.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.842 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

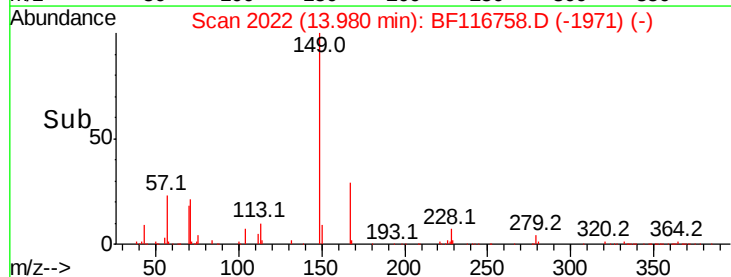
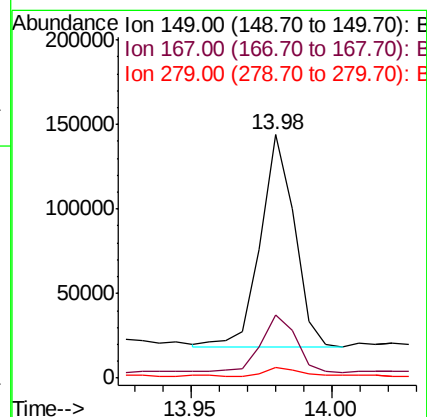
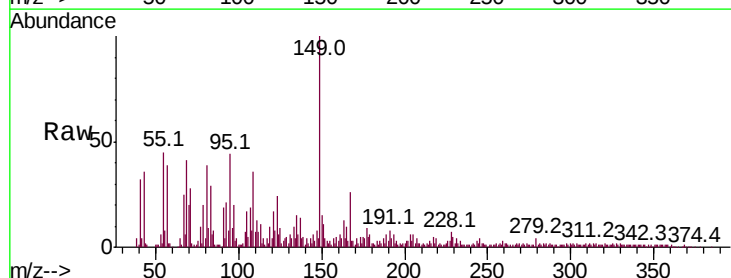
Tgt Ion:149 Resp: 105090

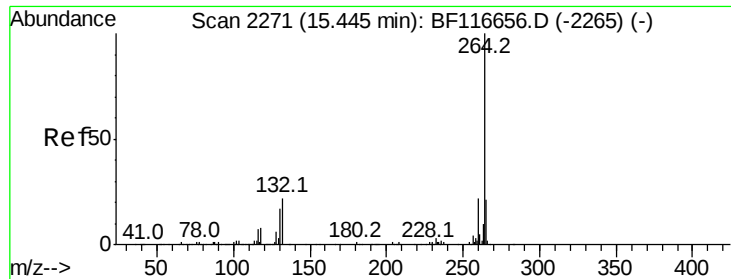
Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

279 4.2 2.8 4.2

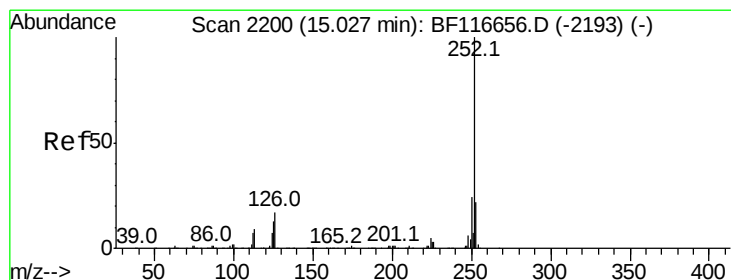
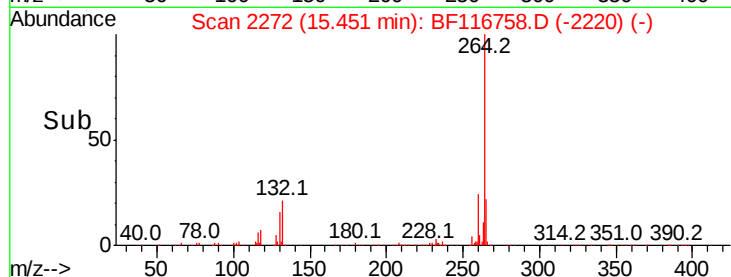
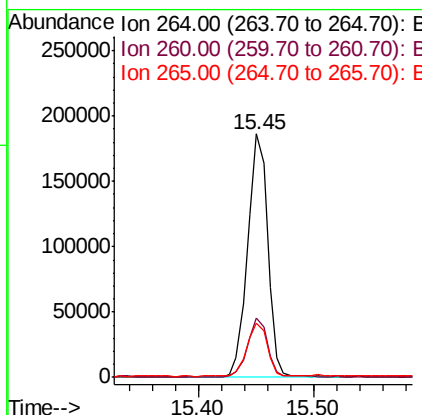
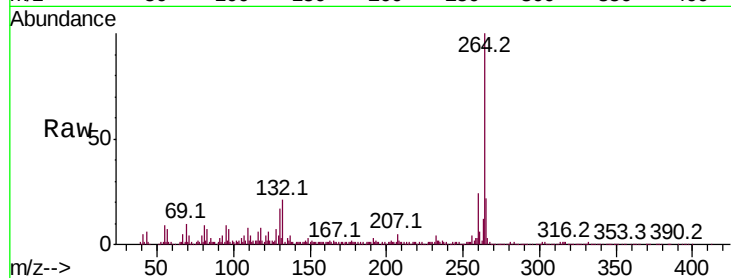




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

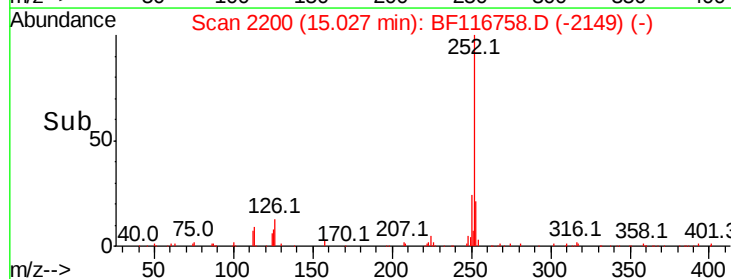
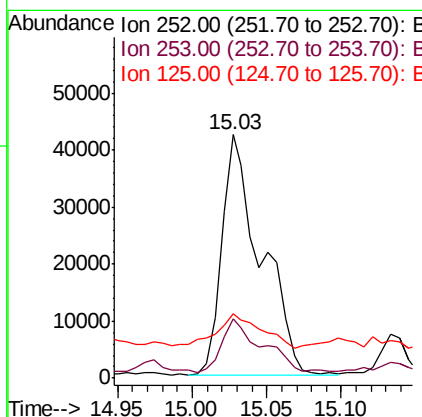
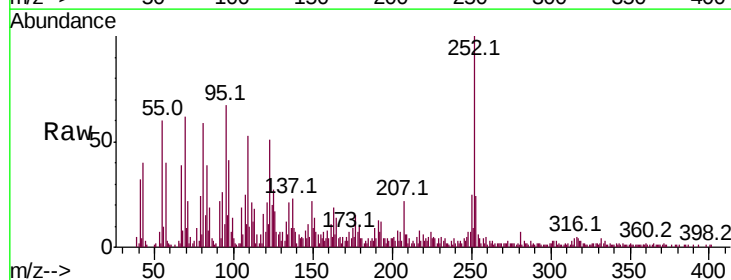
Instrument :
BNA_F
ClientSampleId :

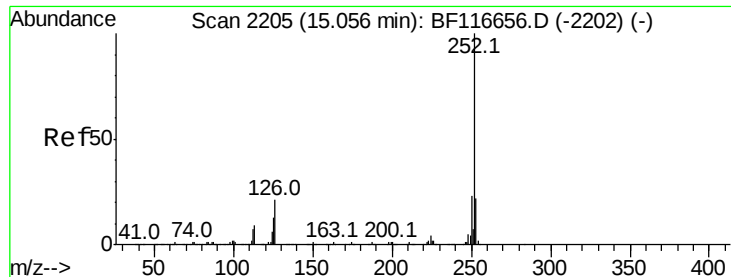
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	22.2	16.5	24.7



#88
Benzo(b)fluoranthene
Concen: 5.676 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116758.D
Acq: 1 Sep 2019 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	26.5	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 6.226 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.03 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

Instrument :

BNA_F

ClientSampled :

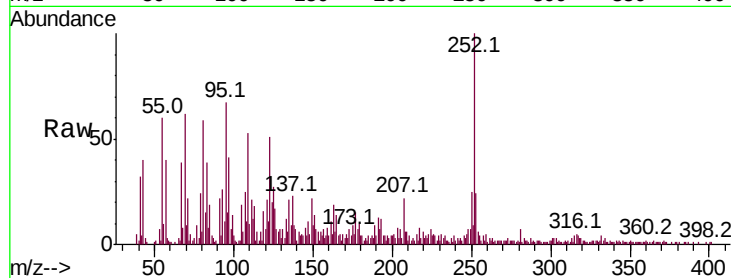
Tot Ion:252 Resp: 77250

Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

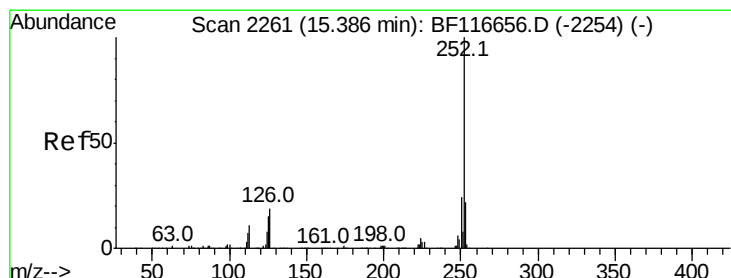
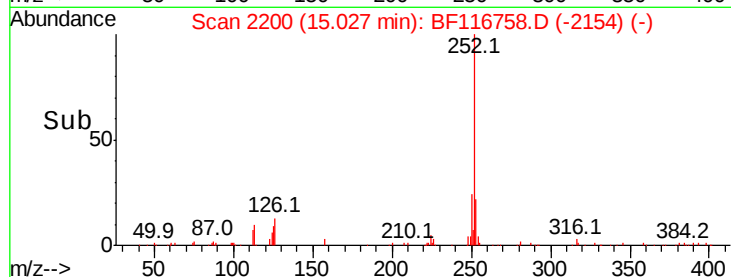
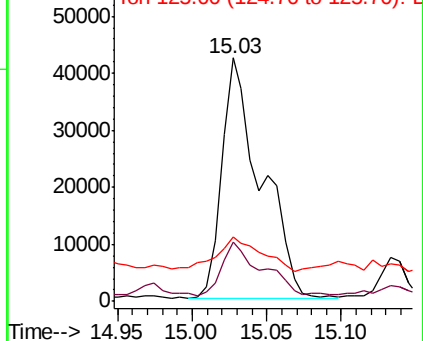
125 26.5 8.6 13.0#



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: 3.343 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF116758.D

Acq: 1 Sep 2019 22:19

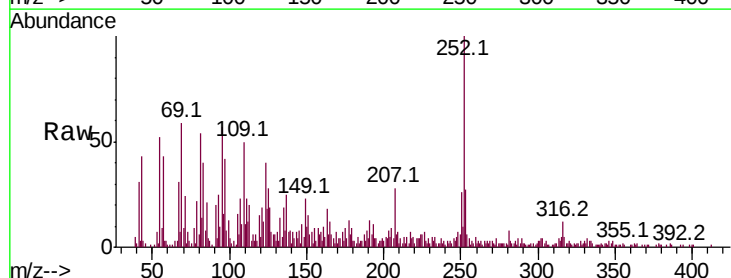
Tgt Ion:252 Resp: 39585

Ion Ratio Lower Upper

252 100

253 26.7 18.1 27.1

125 28.5 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

