

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117878.D
 Acq On : 20 Nov 2019 3:00
 Operator : JU
 Sample : K5908-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 03:43:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	182244	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	672077	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	315710	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	502729	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	387010	20.00	ng	-0.01
87) Perylene-d12	15.61	264	330936	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1108833	107.70	ng	0.00
7) Phenol-d6	6.54	99	1374025	110.65	ng	0.00
23) Nitrobenzene-d5	7.47	82	833144	73.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	309903	92.72	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1495538	84.98	ng	-0.01
79) Terphenyl-d14	13.04	244	1318522	62.27	ng	-0.01

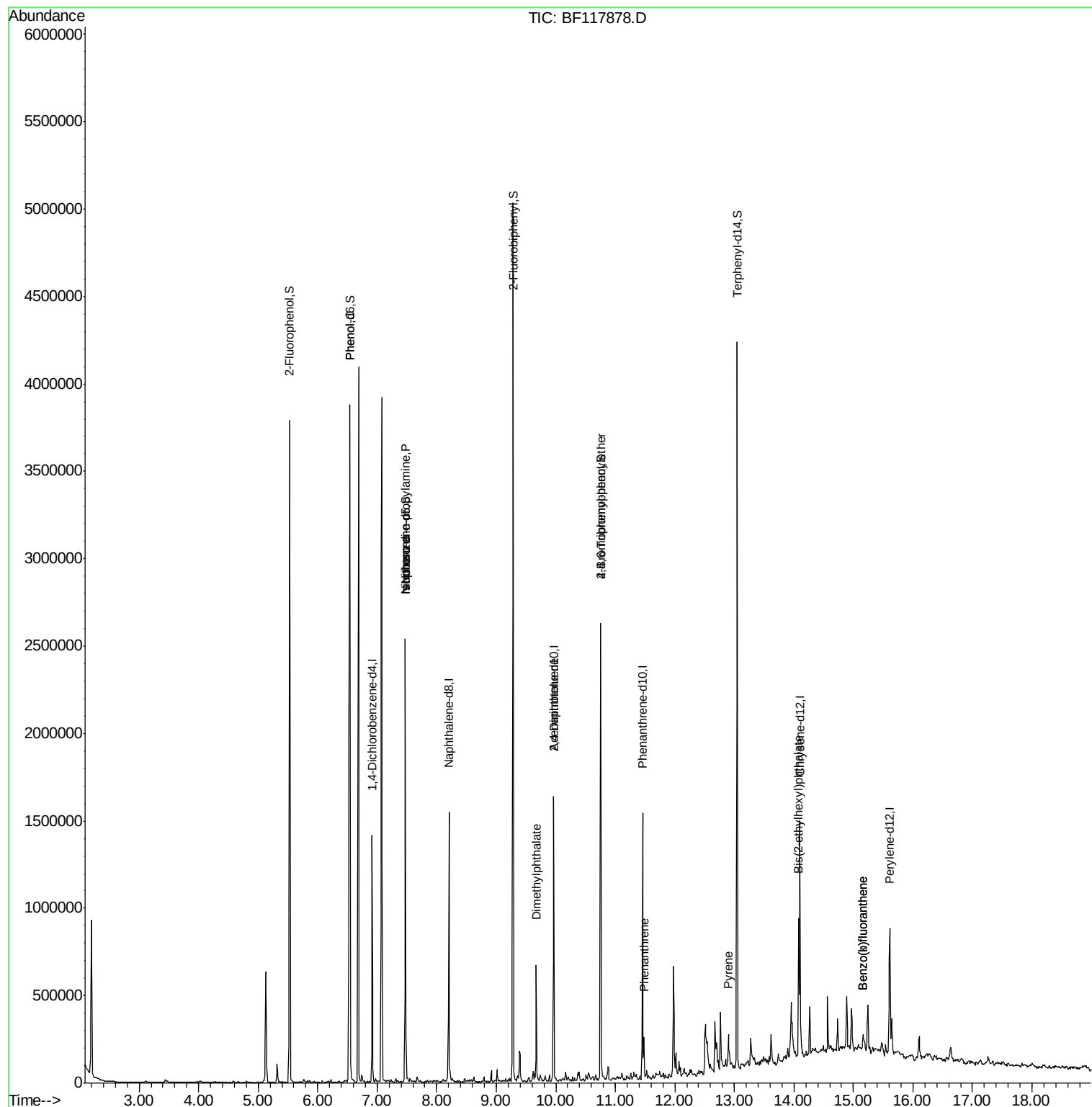
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	1771	Below Cal		# 74
10) Phenol	6.55	94	78446	6.079	ng	83
19) n-Nitroso-di-n-propylamine	7.47	70	113975	14.877	ng	# 76
25) Isophorone	7.47	82	827643	39.941	ng	# 62
50) Dimethylphthalate	9.67	163	247327	11.172	ng	98
57) 2,4-Dinitrotoluene	9.96	165	42540	6.912	ng	# 25
67) 4-Bromophenyl-phenylether	10.76	248	19647	3.622	ng	# 1
71) Phenanthrene	11.48	178	78814	3.118	ng	97
75) Fluoranthene	12.67	202	94844	Below Cal		97
78) Pyrene	12.90	202	76324	2.440	ng	98
84) Bis(2-ethylhexyl)phthalate	14.08	149	218375	13.409	ng	96
88) Benzo(b)fluoranthene	15.16	252	62102	2.888	ng	# 93
89) Benzo(k)fluoranthene	15.16	252	62102	3.065	ng	# 91

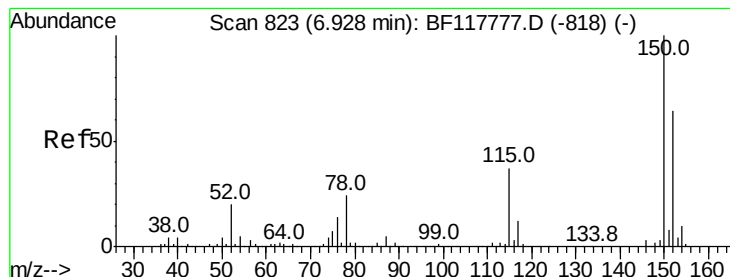
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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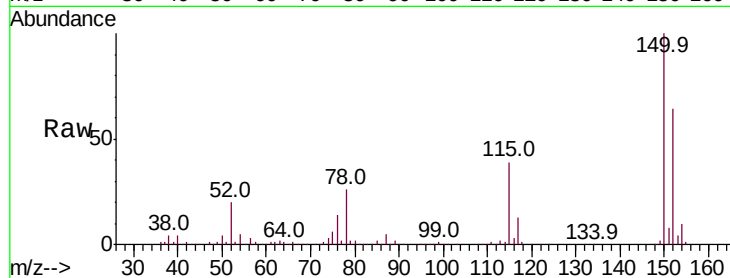


#1

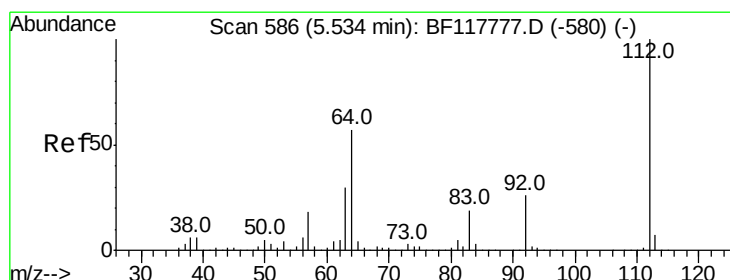
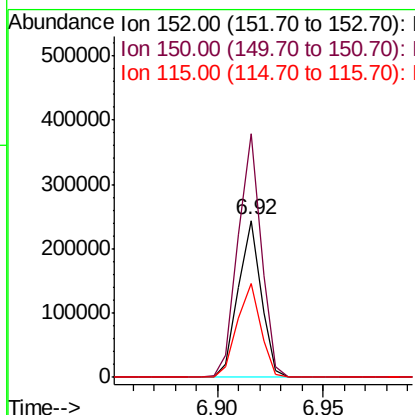
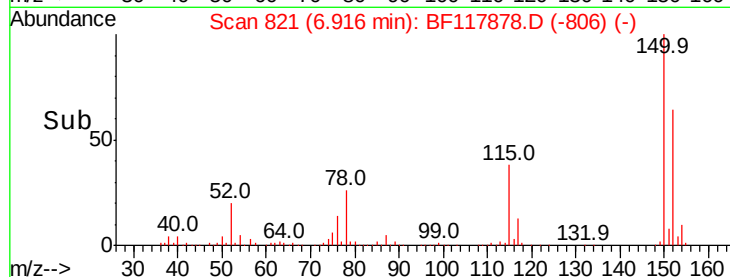
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 182244
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 59.8 47.0 70.4



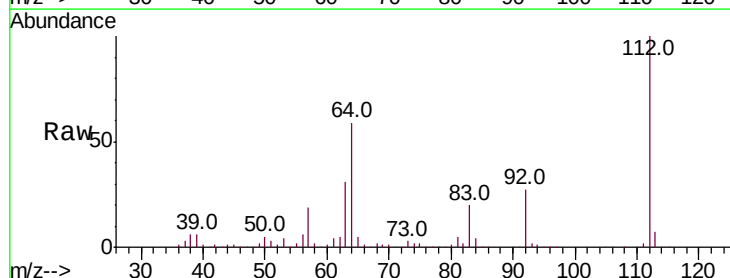
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



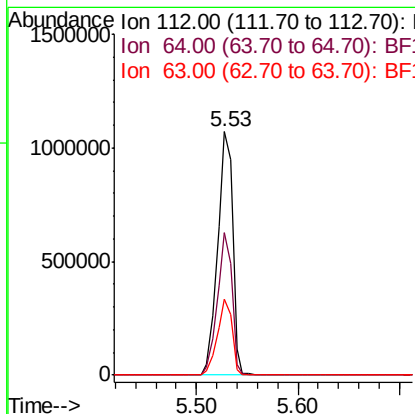
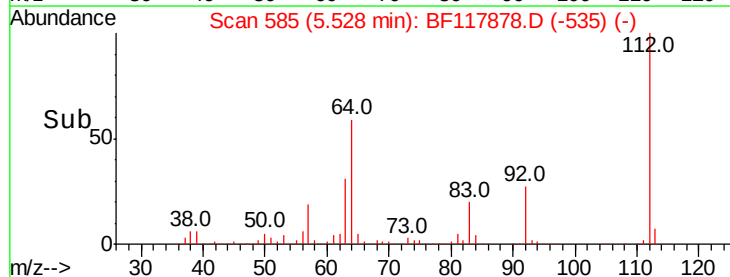
#5

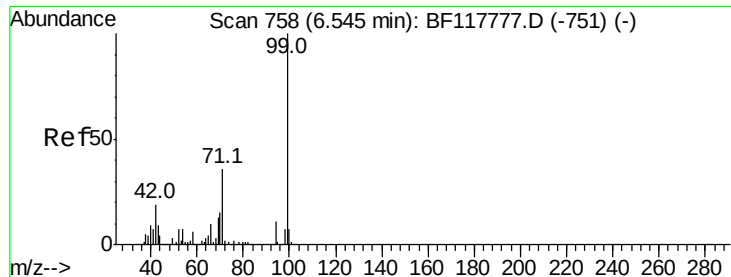
2-Fluorophenol
Concen: 107.699 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Tgt Ion:112 Resp: 1108833
Ion Ratio Lower Upper
112 100
64 58.5 45.6 68.4
63 31.2 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: 110.646 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

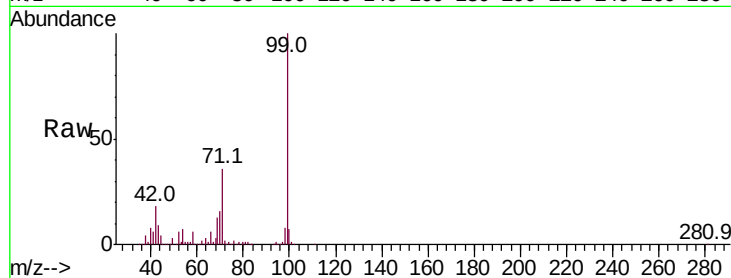
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1374025

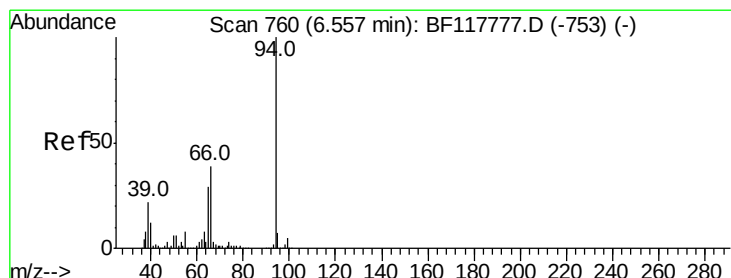
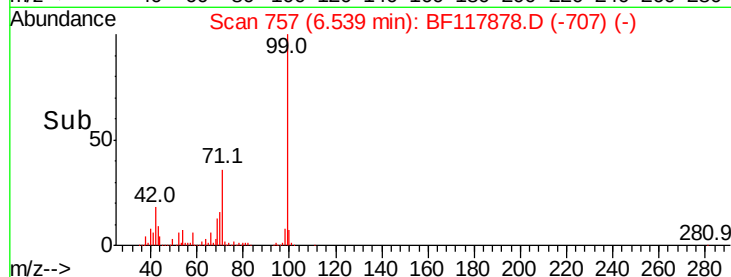
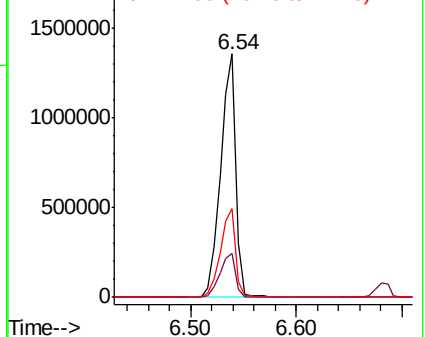
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.9	22.3
71	36.2	28.6	43.0



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: 6.079 ng

RT: 6.55 min Scan# 758

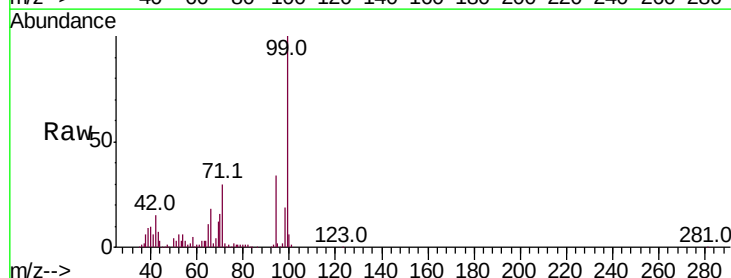
Delta R.T. -0.01 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

Tgt Ion: 94 Resp: 78446

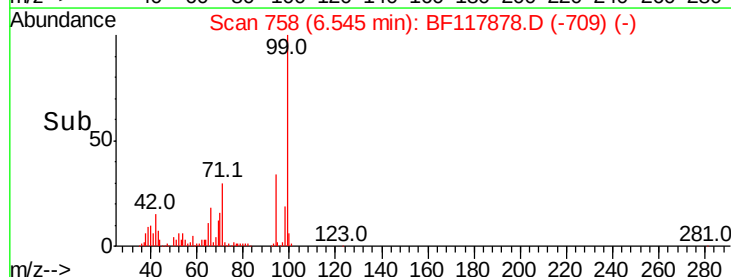
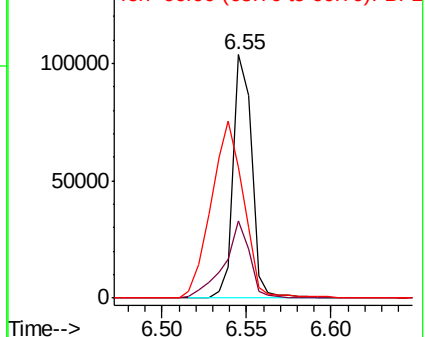
Ion	Ratio	Lower	Upper
94	100		
65	31.8	8.9	48.9
66	53.8	18.7	58.7

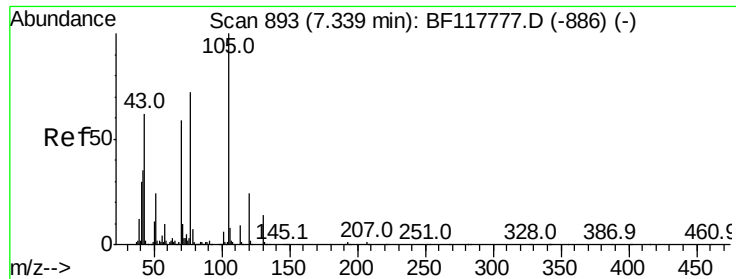


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

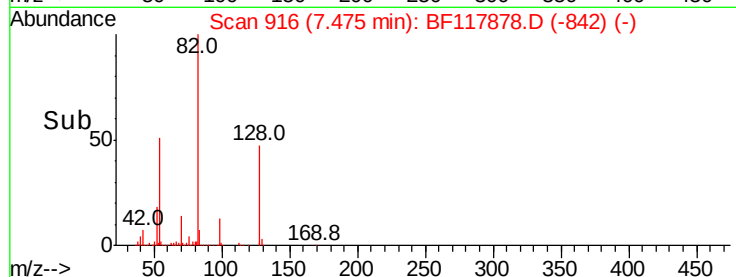
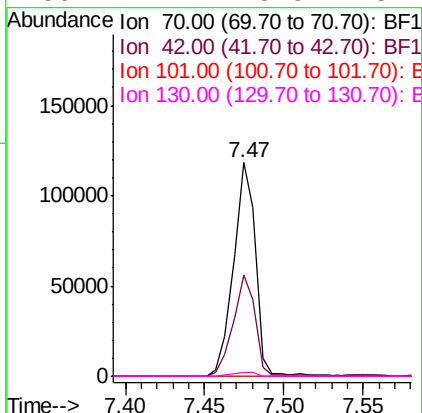
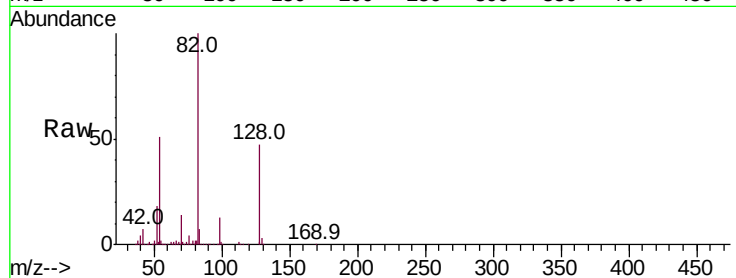




#19
n-Nitroso-di-n-propylamine
Concen: 14.877 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

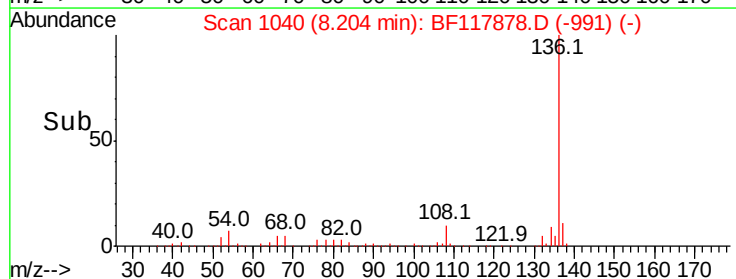
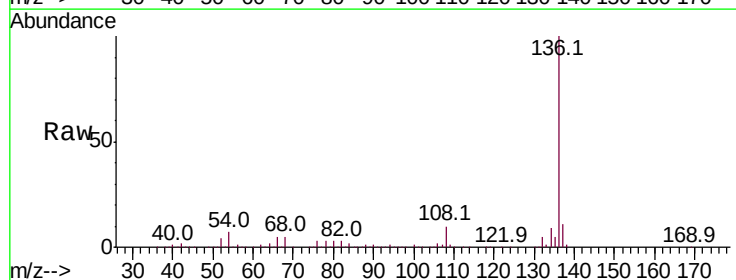
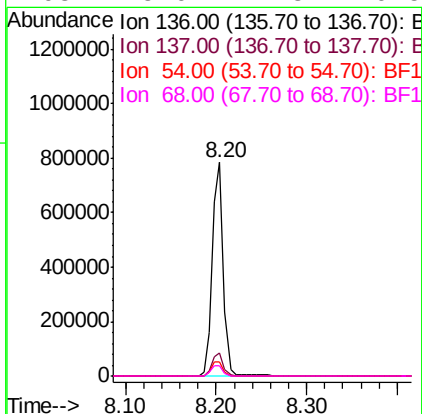
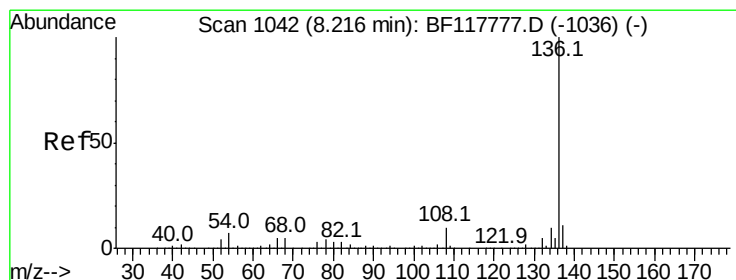
Instrument :
BNA_F
ClientSampleId :

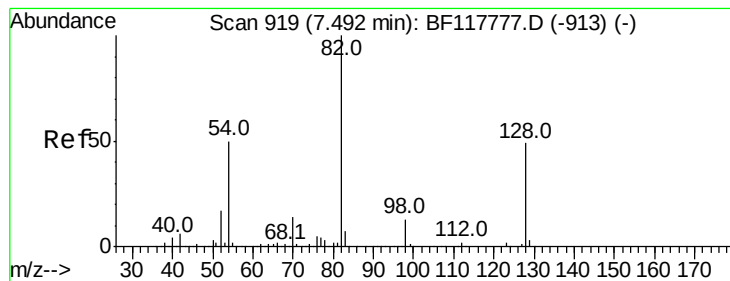
Tot Ion: 70 Resp: 113975
Ion Ratio Lower Upper
70 100
42 47.2 47.4 71.2#
101 0.0 8.4 12.6#
130 2.1 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Tgt Ion: 136 Resp: 672077
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.6 5.4 8.2
68 5.0 4.3 6.5





#23

Nitrobenzene-d5

Concen: 73.692 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

Instrument :

BNA_F

ClientSampleId :

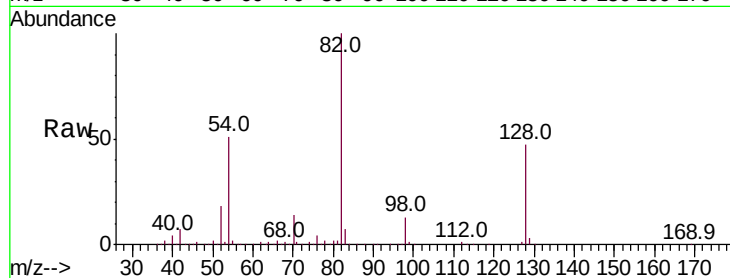
Tot Ion: 82 Resp: 833144

Ion Ratio Lower Upper

82 100

128 46.8 38.9 58.3

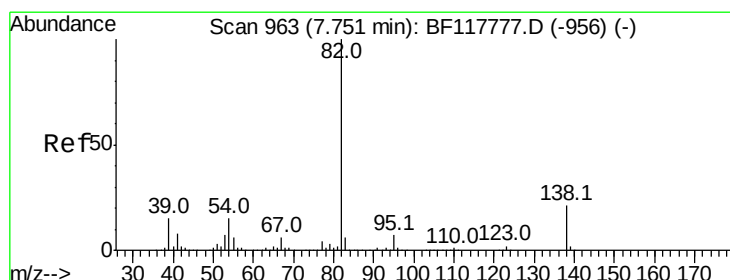
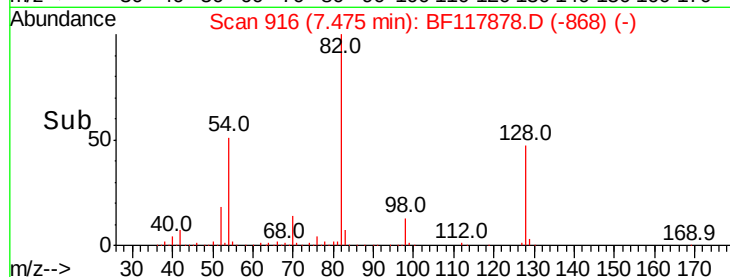
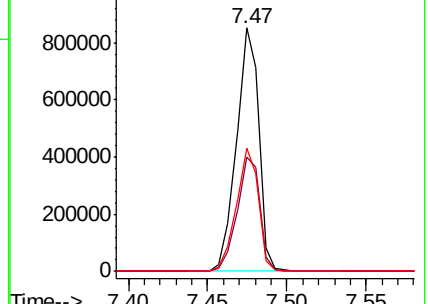
54 50.9 39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 39.941 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

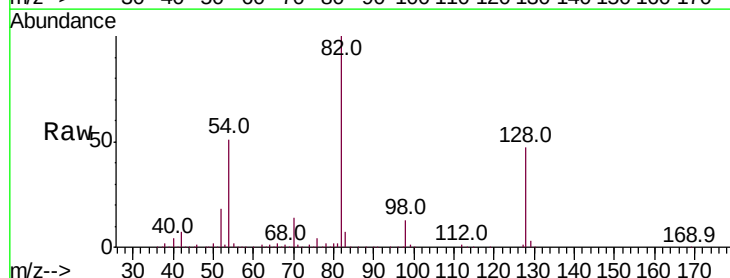
Tgt Ion: 82 Resp: 827643

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

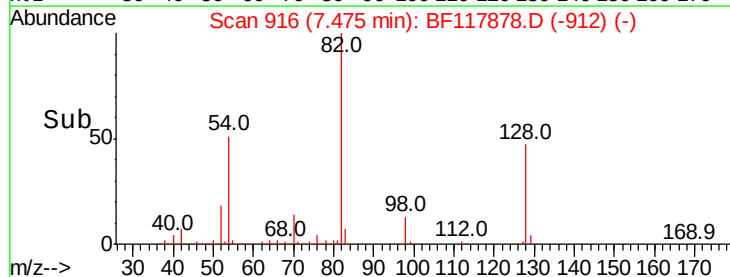
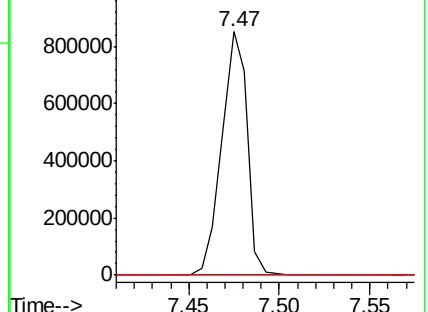
138 0.0 16.5 24.7#

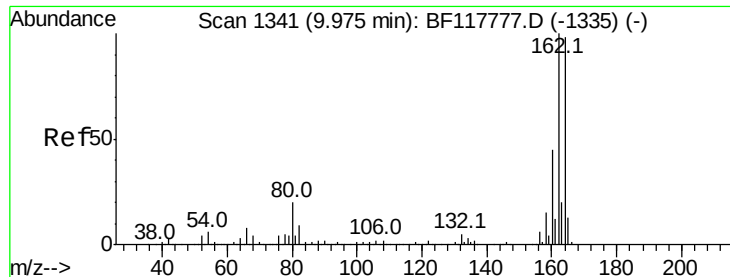


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

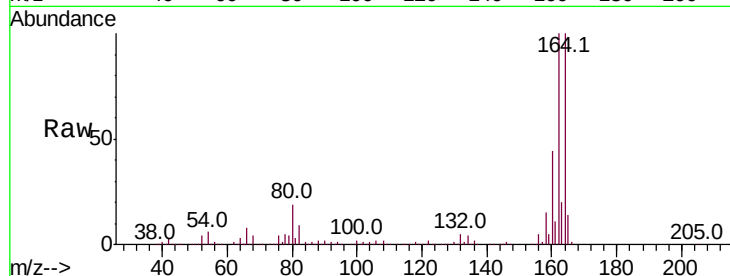




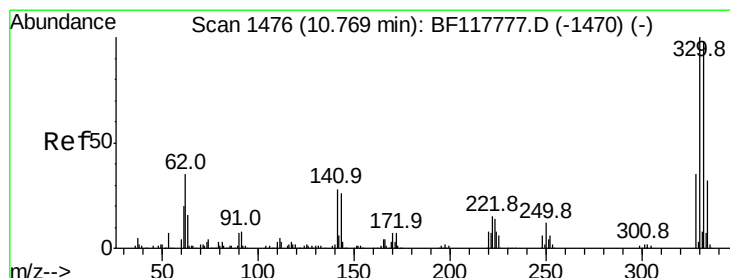
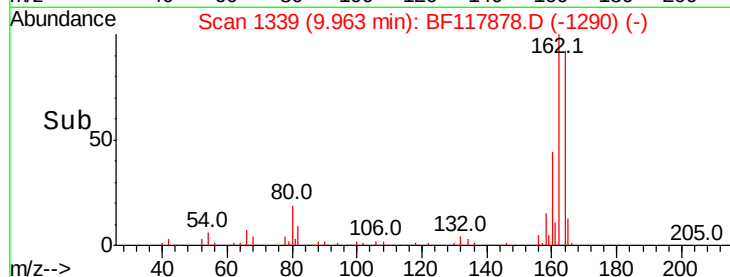
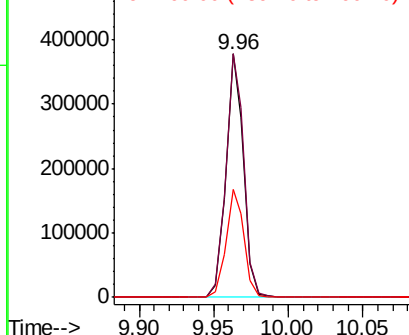
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 315710
Ion Ratio Lower Upper
164 100
162 99.9 81.3 121.9
160 44.2 36.6 55.0

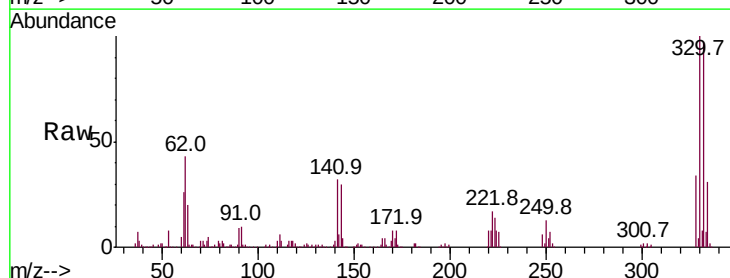


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

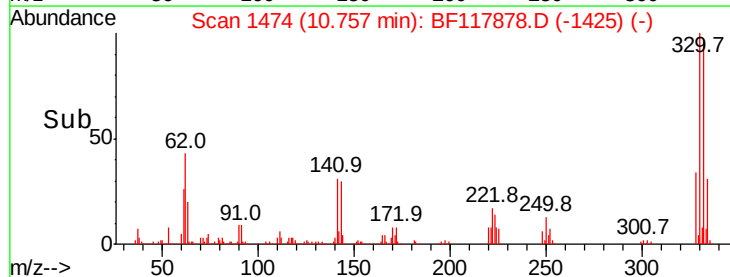
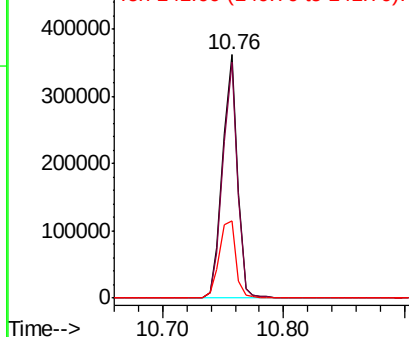


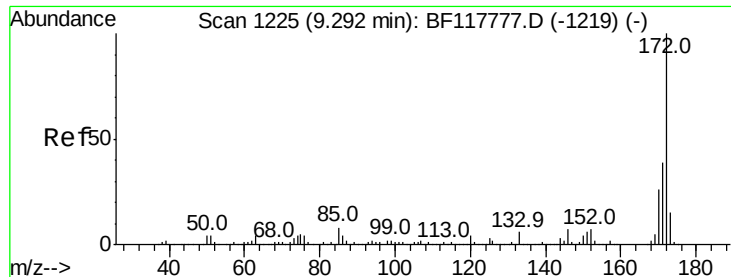
#42
2,4,6-Tribromophenol
Concen: 92.719 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Tgt Ion:330 Resp: 309903
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 34.8 27.7 41.5



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

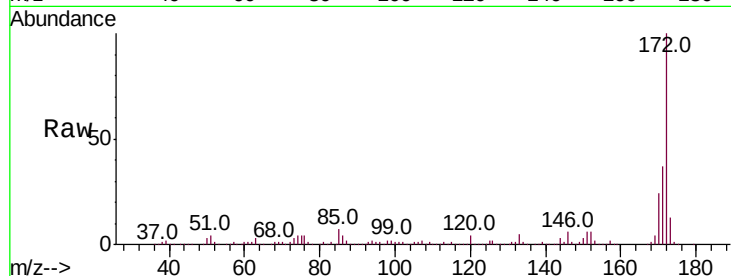




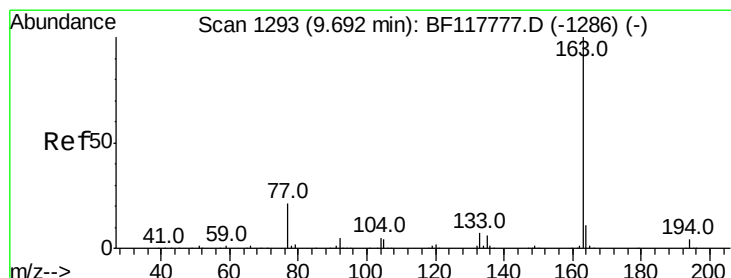
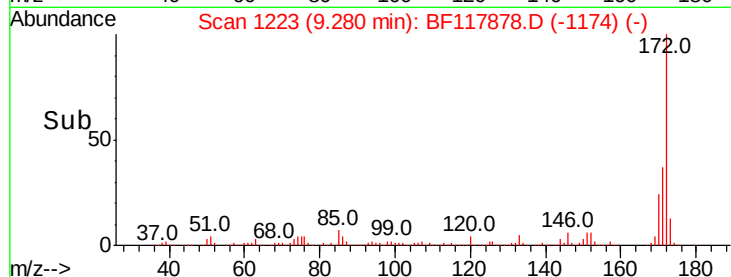
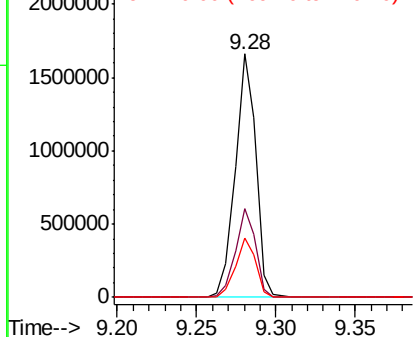
#45
2-Fluorobiphenyl
Concen: 84.985 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1495538
Ion Ratio Lower Upper
172 100
171 36.6 30.9 46.3
170 24.1 21.0 31.4

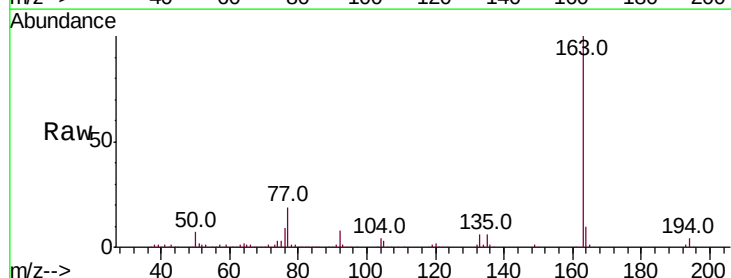


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

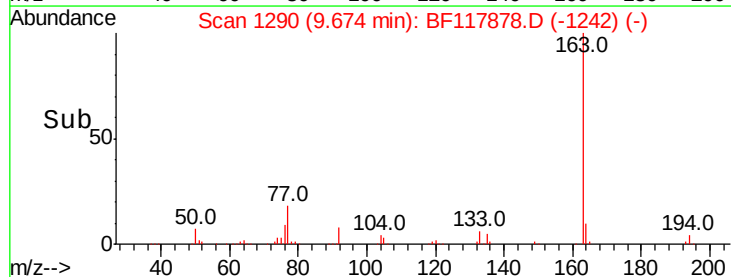
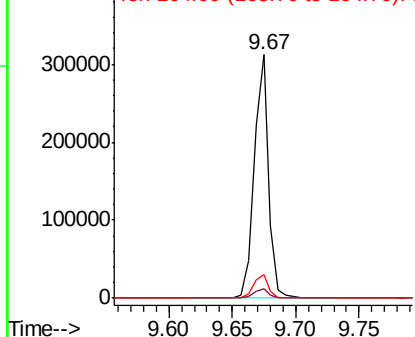


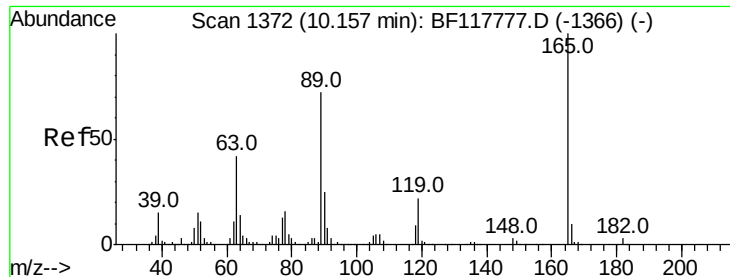
#50
Dimethylphthalate
Concen: 11.172 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Tgt Ion:163 Resp: 247327
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.7 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

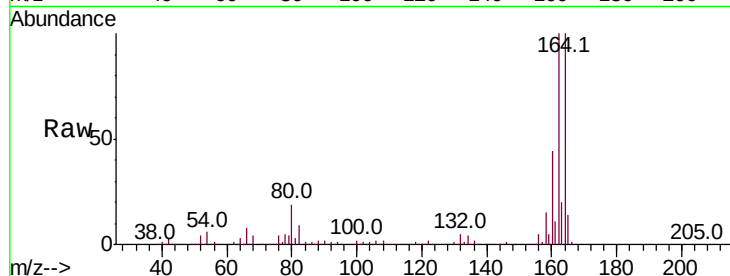




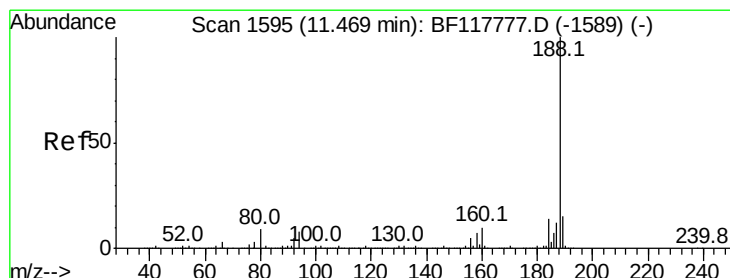
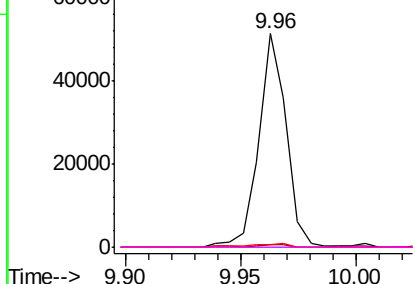
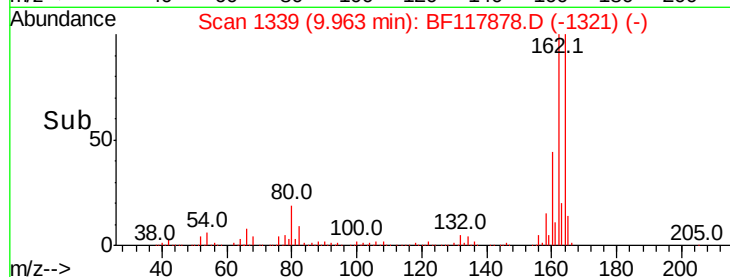
#57
 2,4-Dinitrotoluene
 Concen: 6.912 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.19 min
 Lab File: BF117878.D
 Acq: 20 Nov 2019 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.7	50.5#
89	1.5	57.3	85.9#
182	0.0	2.3	3.5#

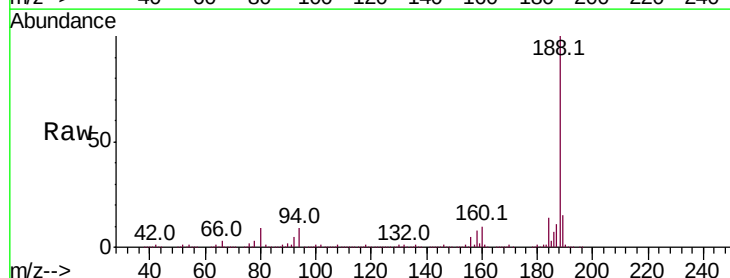


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

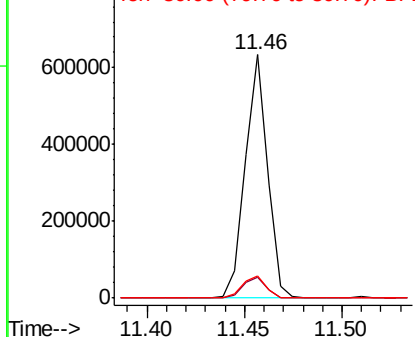
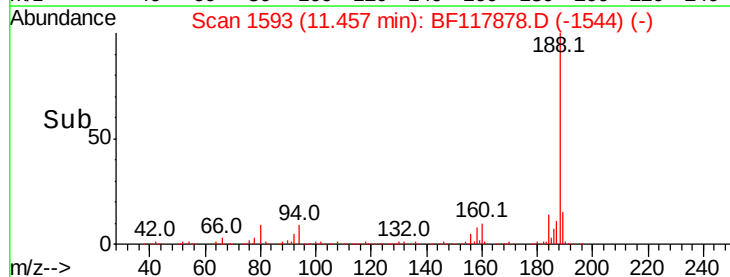


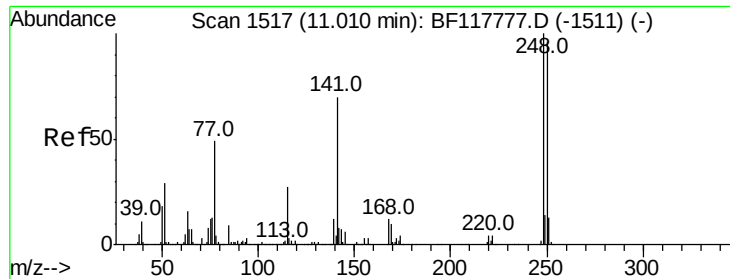
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117878.D
 Acq: 20 Nov 2019 3:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.3	7.2	10.8



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

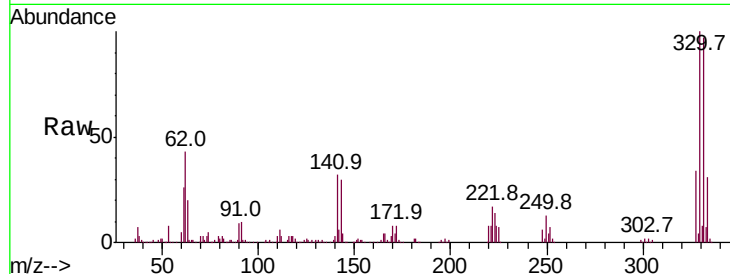




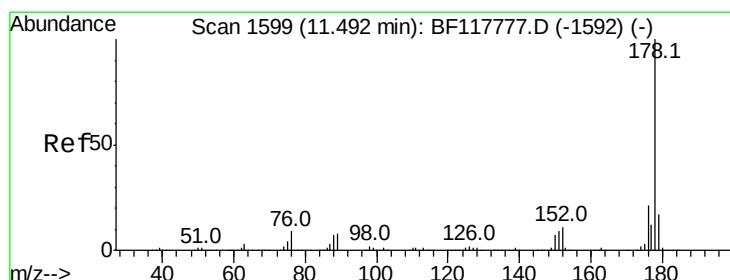
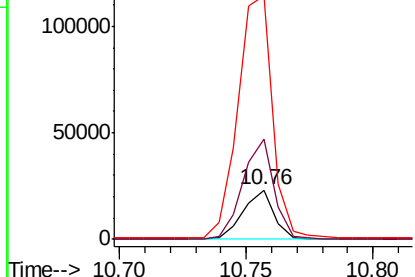
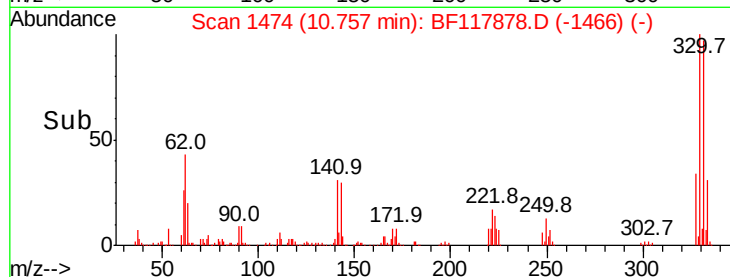
#67
4-Bromophenyl-phenylether
Concen: 3.622 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.25 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19647
Ion Ratio Lower Upper
248 100
250 203.0 76.6 115.0#
141 493.9 55.9 83.9#

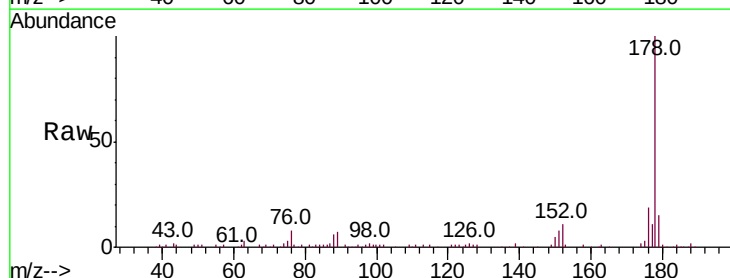


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

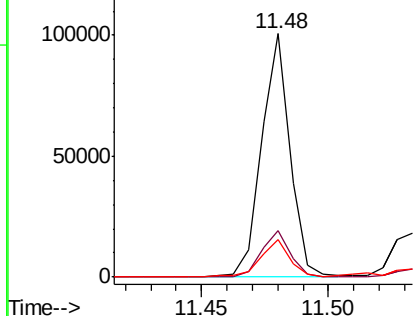
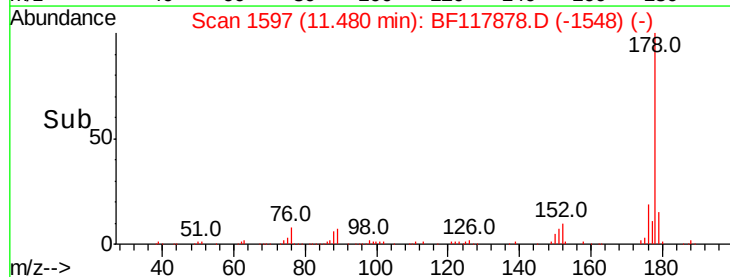


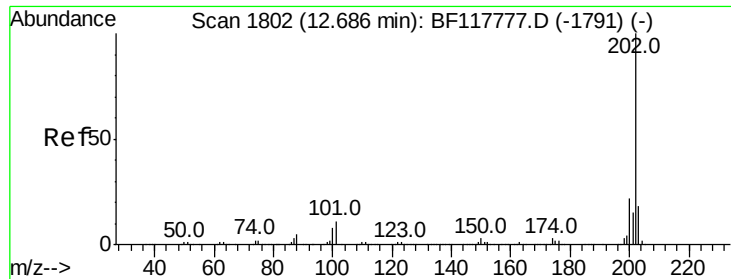
#71
Phenanthrene
Concen: 3.118 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Tgt Ion:178 Resp: 78814
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.3 13.2 19.8



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: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

Instrument :

BNA_F

ClientSampleId :

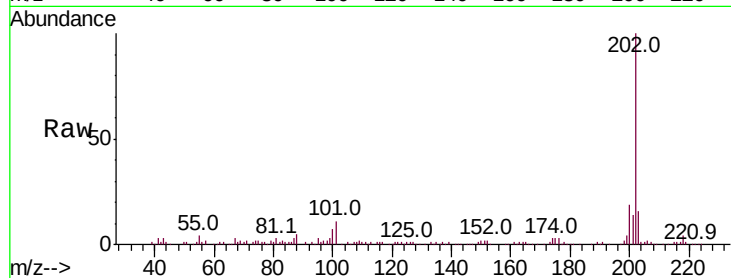
Tot Ion:202 Resp: 94844

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.1

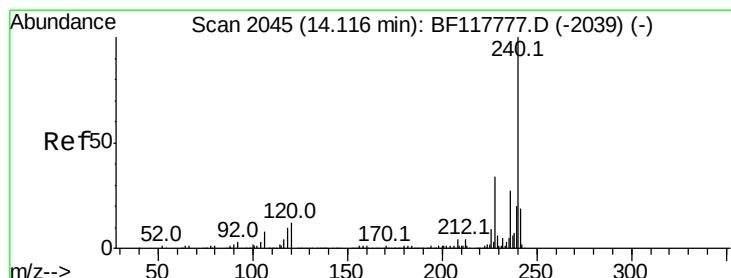
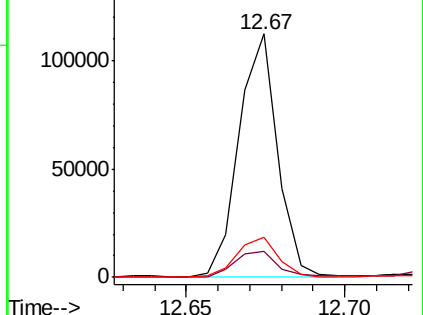
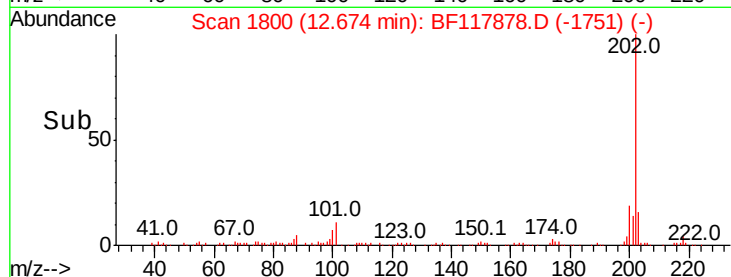
203 16.5 0.0 38.2



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: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

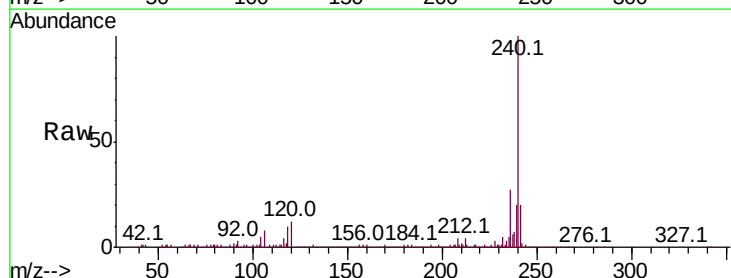
Tgt Ion:240 Resp: 387010

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

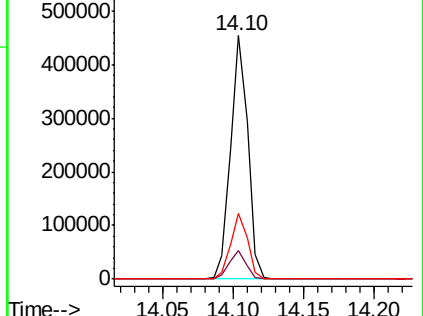
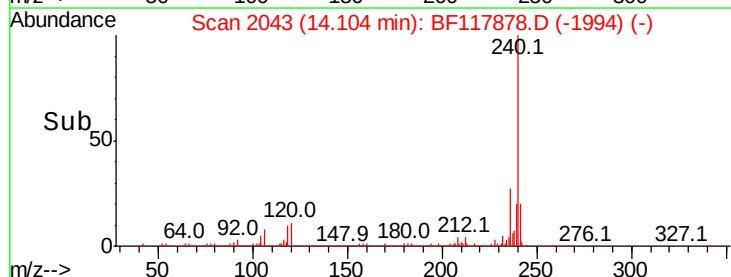
236 27.0 21.3 31.9

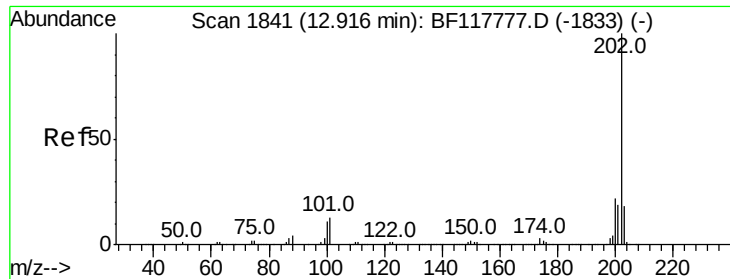


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

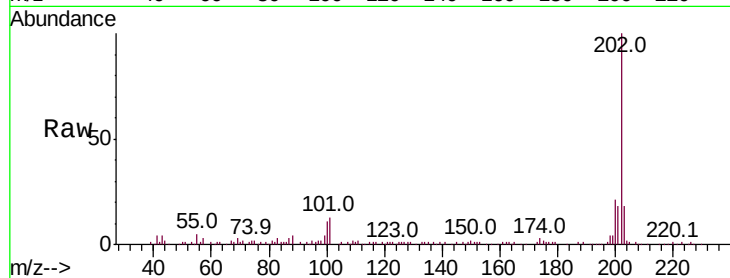




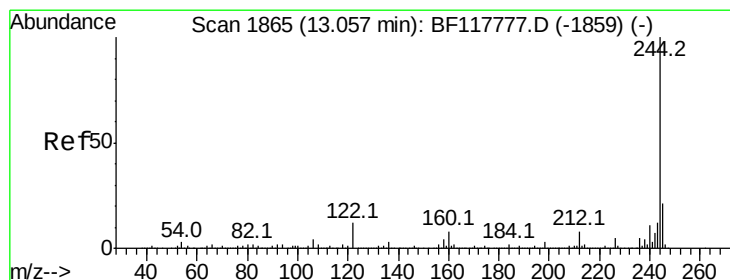
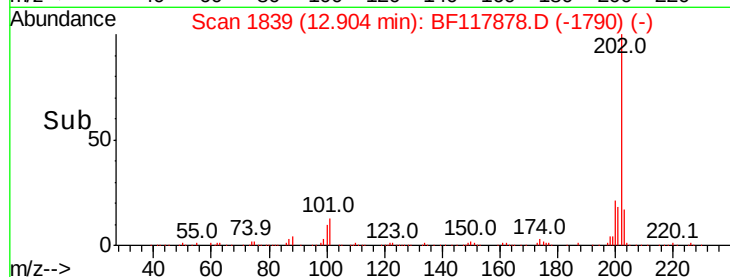
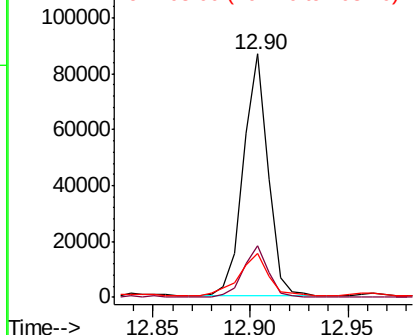
#78
Pvrene
Concen: 2.440 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 76324
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.8
203 18.1 14.6 22.0

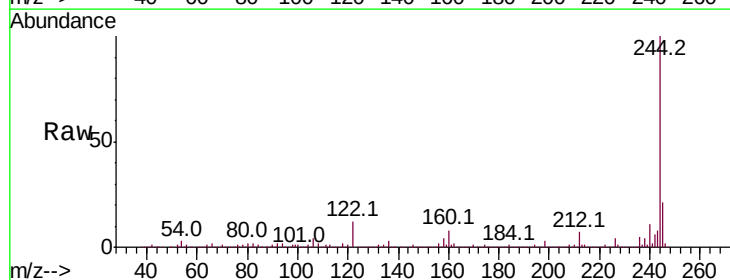


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

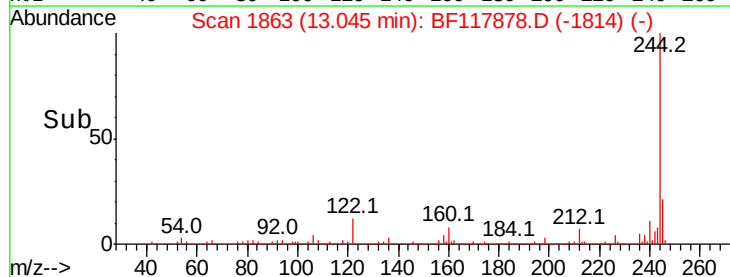
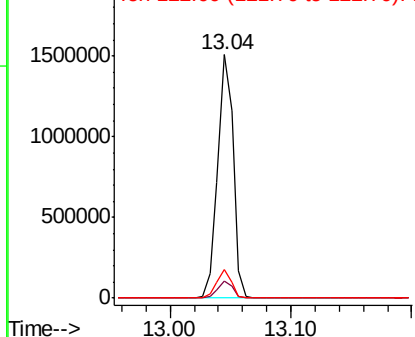


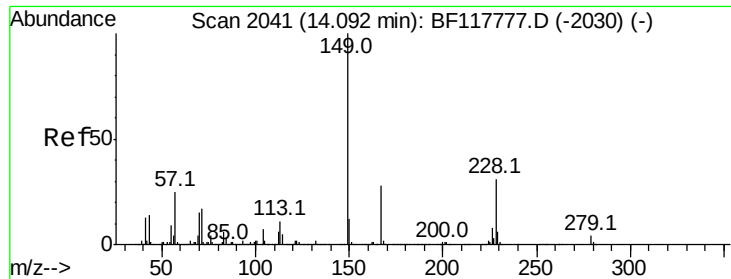
#79
Terphenyl-d14
Concen: 62.266 ng
RT: 13.04 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BF117878.D
Acq: 20 Nov 2019 3:00

Tgt Ion:244 Resp: 1318522
Ion Ratio Lower Upper
244 100
212 7.2 6.3 9.5
122 11.6 9.4 14.2



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 13.409 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

Instrument :

BNA_F

ClientSampleId :

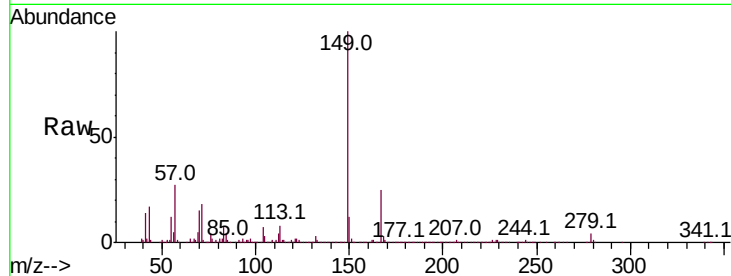
Tot Ion:149 Resp: 218375

Ion	Ratio	Lower	Upper
149	100		
167	25.2	22.2	33.2
279	3.7	3.4	5.2

149 100

167 25.2 22.2 33.2

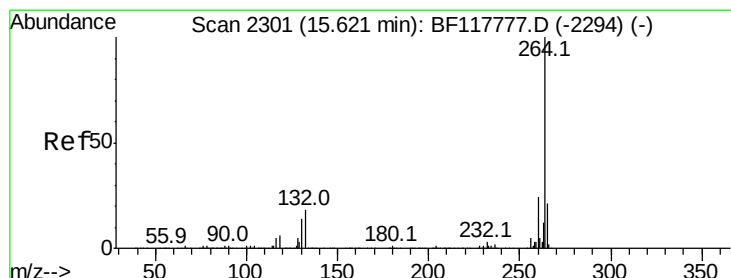
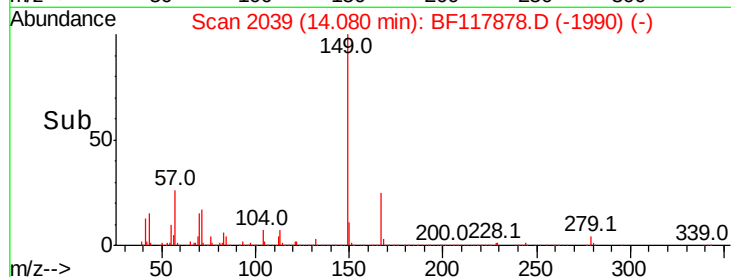
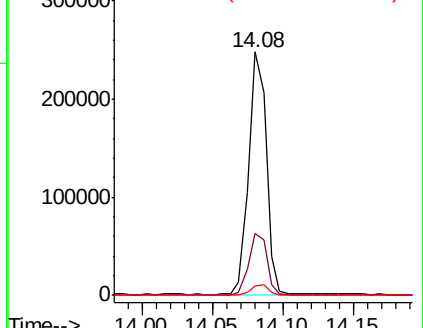
279 3.7 3.4 5.2



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: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

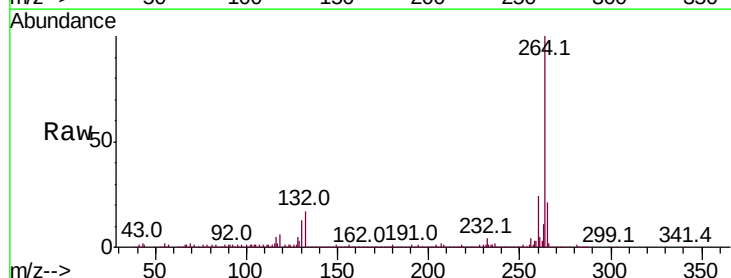
Tgt Ion:264 Resp: 330936

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.2	17.1	25.7

264 100

260 24.3 19.4 29.0

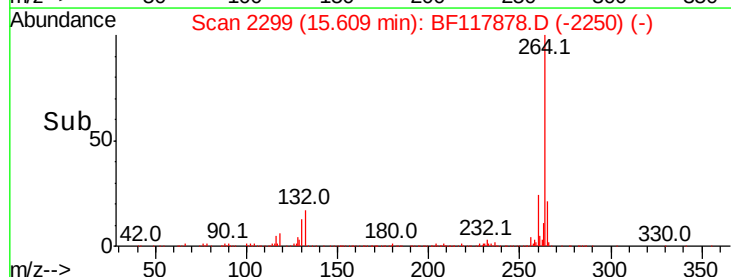
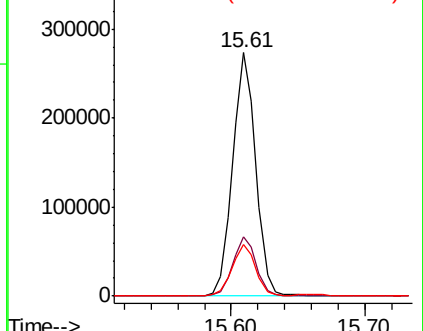
265 21.2 17.1 25.7

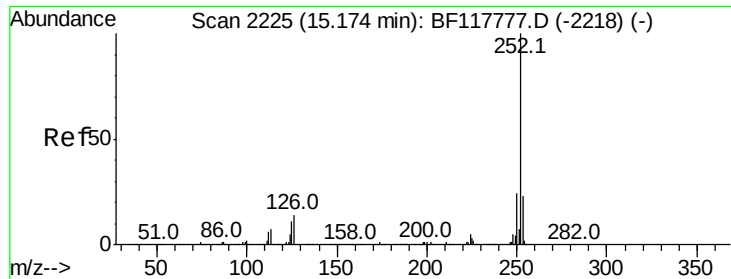


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.888 ng

RT: 15.16 min Scan# 2223

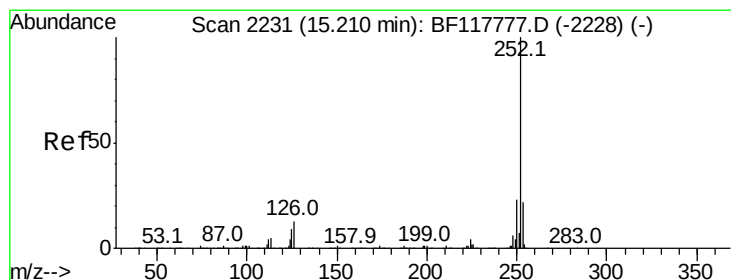
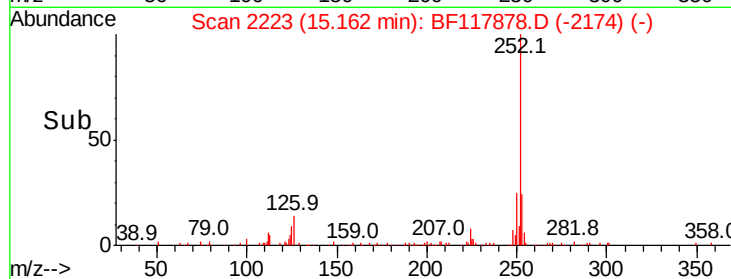
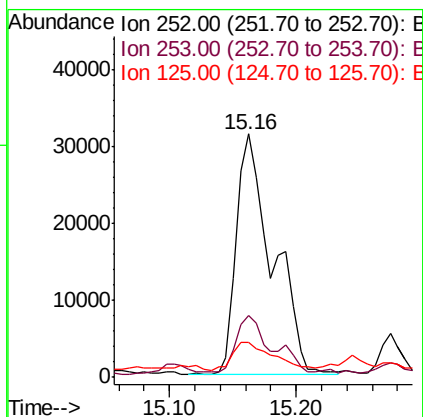
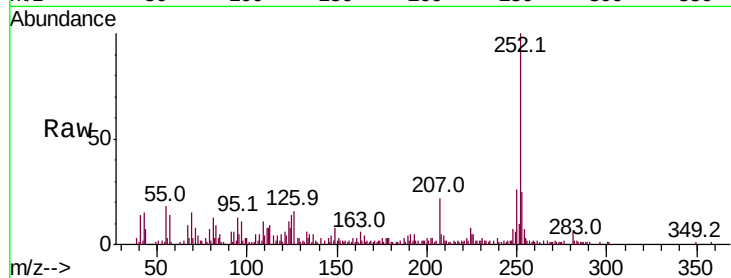
Delta R.T. -0.01 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	14.4	8.6	13.0



#89

Benzo(k)fluoranthene

Concen: 3.065 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.05 min

Lab File: BF117878.D

Acq: 20 Nov 2019 3:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	14.4	7.9	11.9

