

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118075.D
 Acq On : 3 Dec 2019 21:16
 Operator : JU
 Sample : K6024-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 00:36:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	139588	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	546909	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	294878	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	550226	20.00	ng	0.00
76) Chrysene-d12	14.07	240	359151	20.00	ng	0.00
87) Perylene-d12	15.57	264	390268	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	810536	102.78	ng	0.00
7) Phenol-d6	6.50	99	1023321	107.59	ng	0.00
23) Nitrobenzene-d5	7.44	82	627078	68.16	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	329386	105.51	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1098057	66.81	ng	0.00
79) Terphenyl-d14	13.01	244	1168079	59.44	ng	0.00

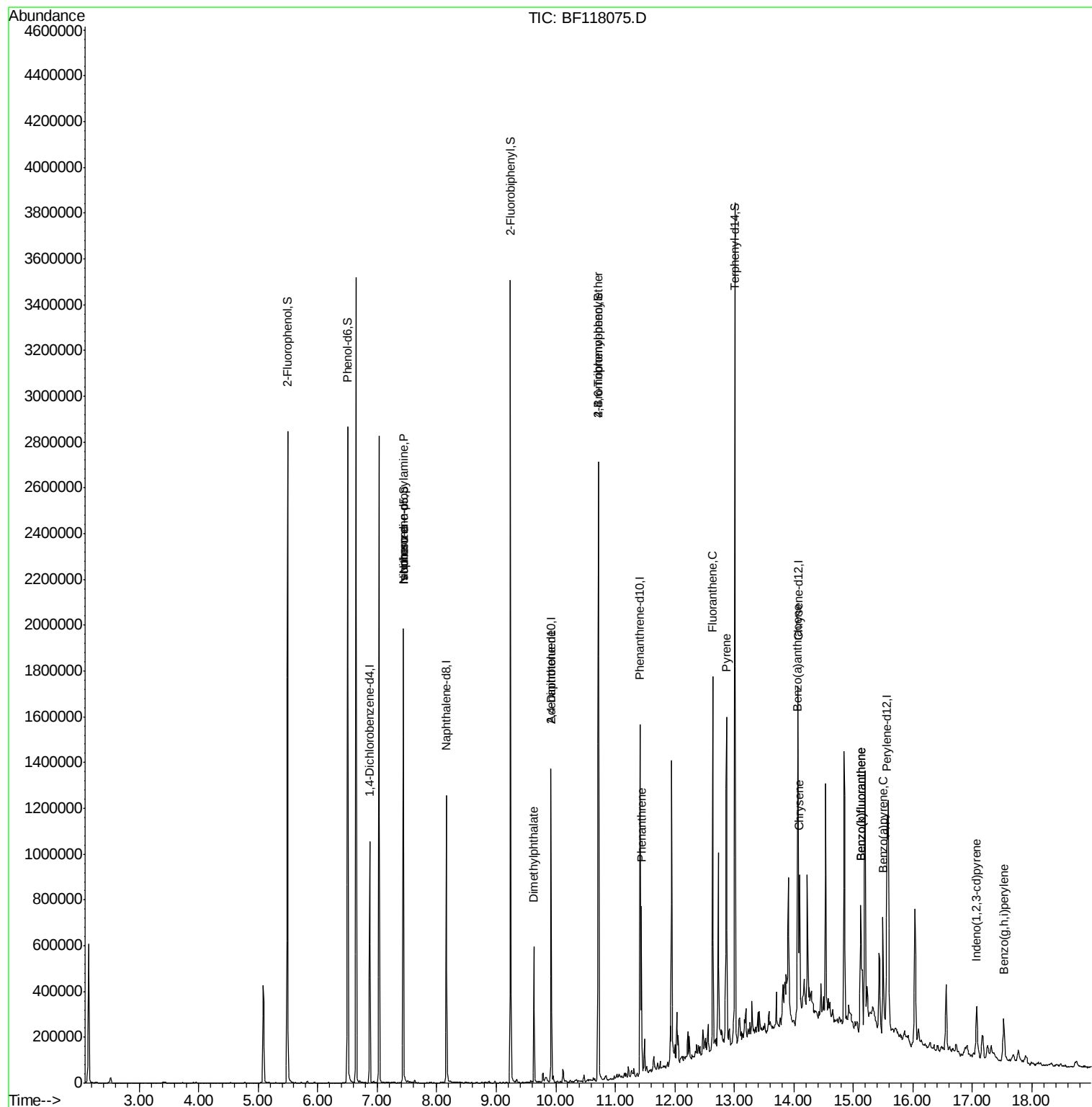
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1789	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.44	70	84318	14.369	ng	# 75
25) Isophorone	7.44	82	627120	37.190	ng	# 63
50) Dimethylphthalate	9.63	163	219204	10.601	ng	99
57) 2,4-Dinitrotoluene	9.92	165	37831	6.581	ng	# 32
67) 4-Bromophenyl-phenylether	10.72	248	20535	3.459	ng	# 1
71) Phenanthrene	11.44	178	256053	9.256	ng	100
75) Fluoranthene	12.64	202	598852	19.510	ng	98
78) Pyrene	12.87	202	554681	19.110	ng	99
81) Benzo(a)anthracene	14.06	228	276200	11.638	ng	99
83) Chrysene	14.10	228	250391	10.888	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	153837	7.860	ng	95
88) Benzo(b)fluoranthene	15.13	252	411859	16.243	ng	97
89) Benzo(k)fluoranthene	15.13	252	411859	17.239	ng	99
90) Benzo(a)pyrene	15.50	252	229923	10.312	ng	99
92) Benzo(g,h,i)perylene	17.53	276	142201	7.439	ng	98

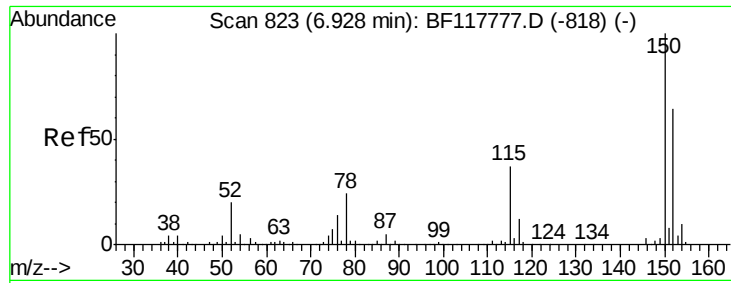
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118075.D
Acq On : 3 Dec 2019 21:16
Operator : JU
Sample : K6024-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 04 00:36:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 03 15:16:53 2019
Response via : Initial Calibration



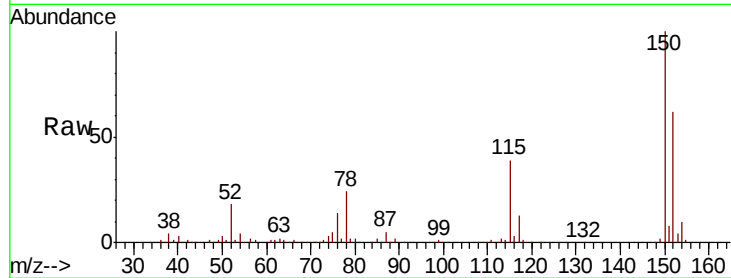


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	121.4	182.2
115	62.7	48.8	73.2

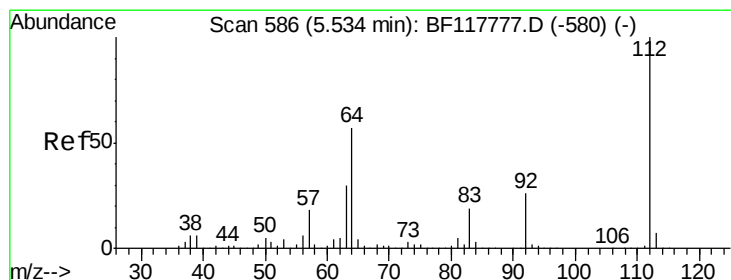
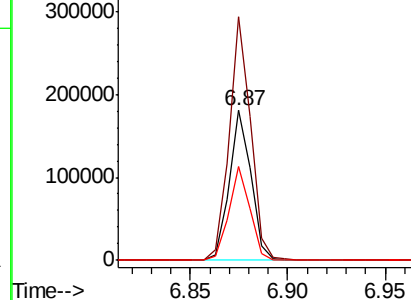
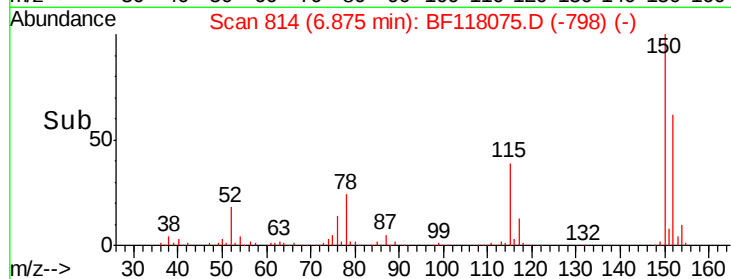


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

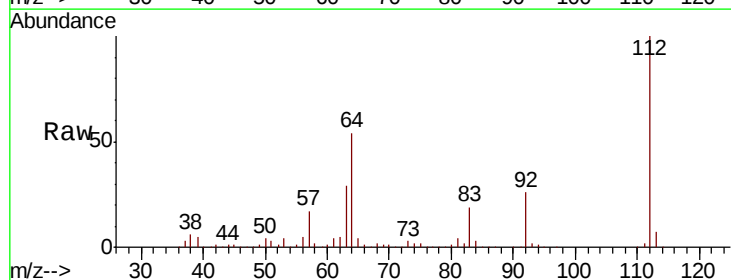
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.784 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	45.1	67.7
63	29.5	24.6	37.0

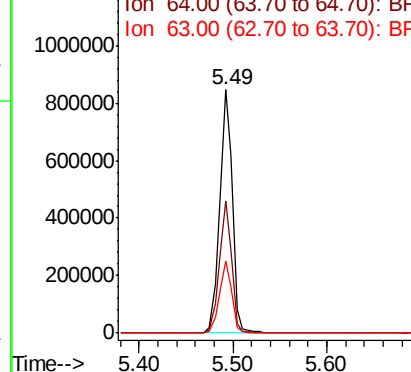
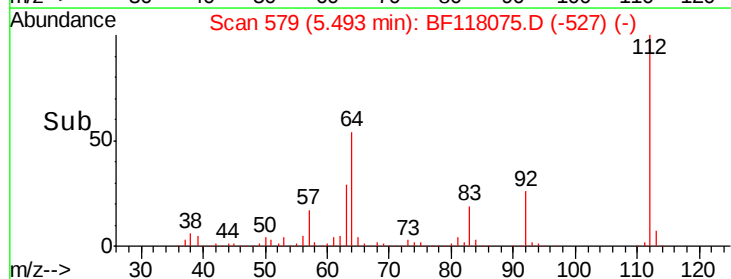


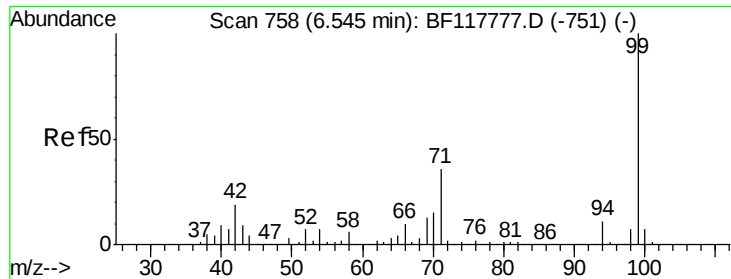
Abundance

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: 107.586 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

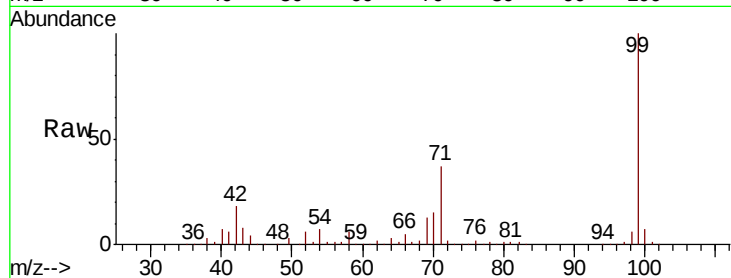
Tot Ion: 99 Resp: 1023321

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

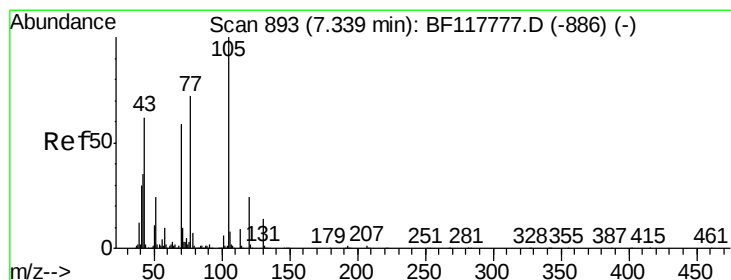
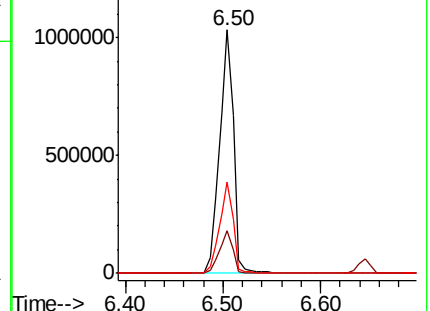
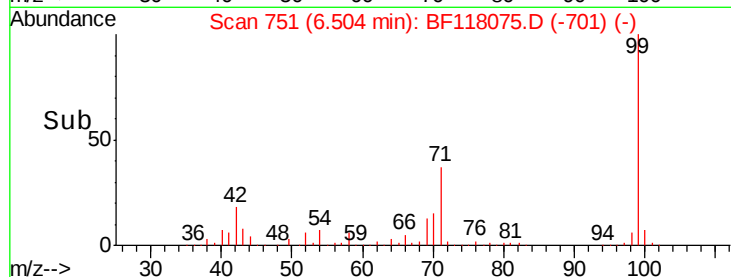
71 37.3 29.2 43.8



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: 14.369 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Tgt Ion: 70 Resp: 84318

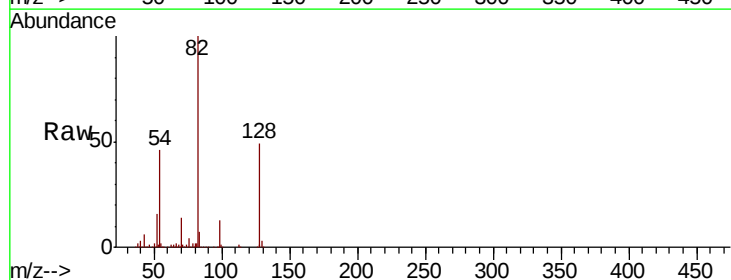
Ion Ratio Lower Upper

70 100

42 45.8 46.0 69.0#

101 0.0 8.8 13.2#

130 2.4 19.8 29.6#

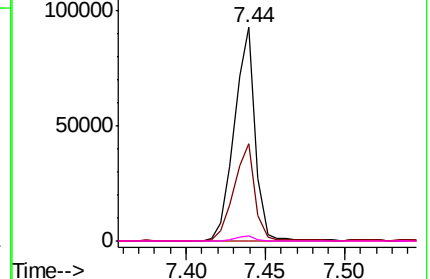
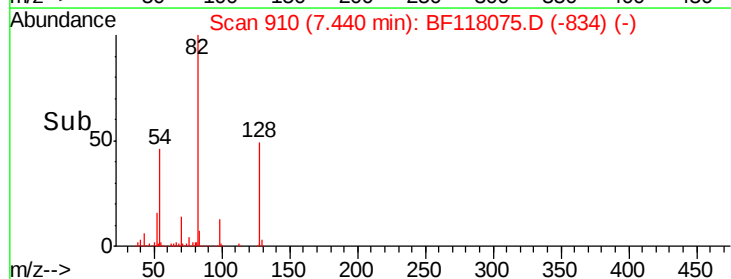


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

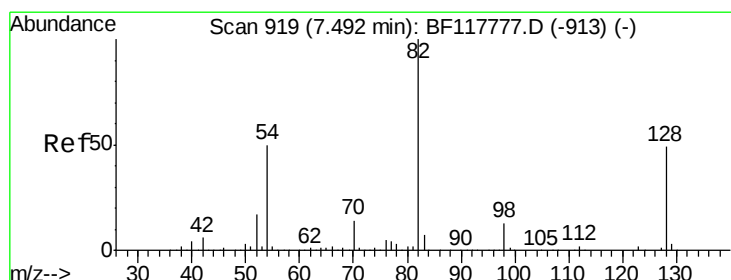
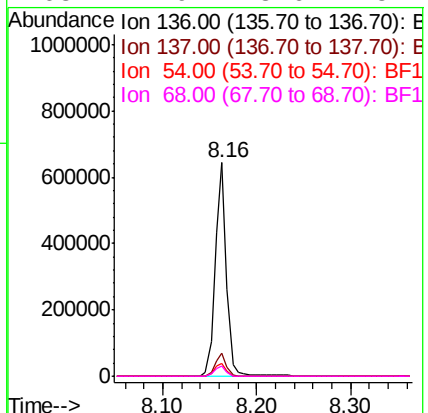
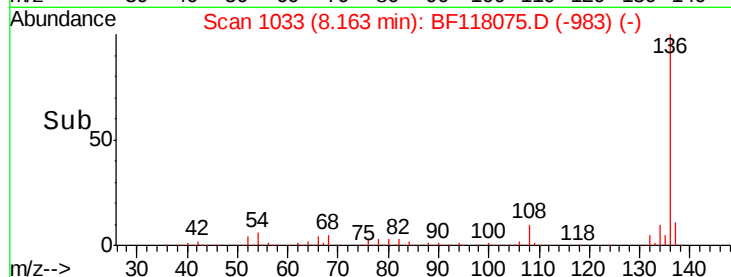
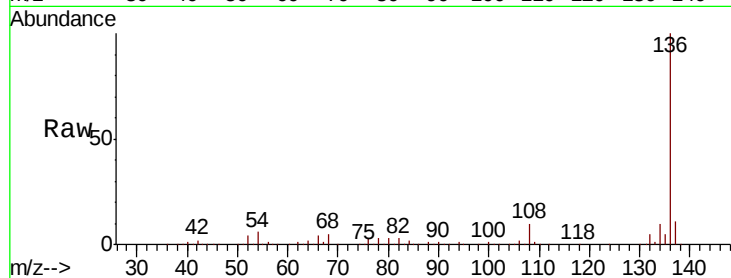




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

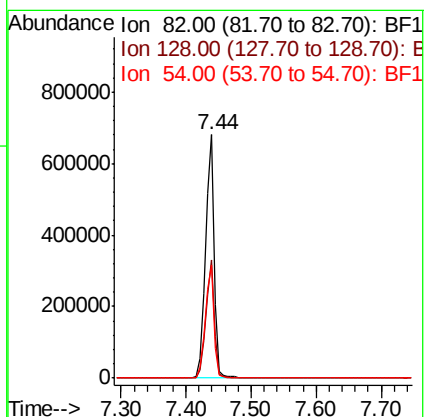
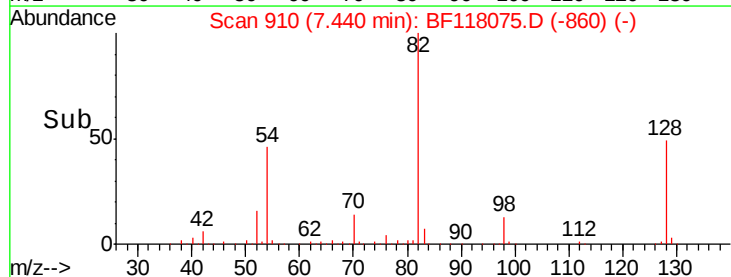
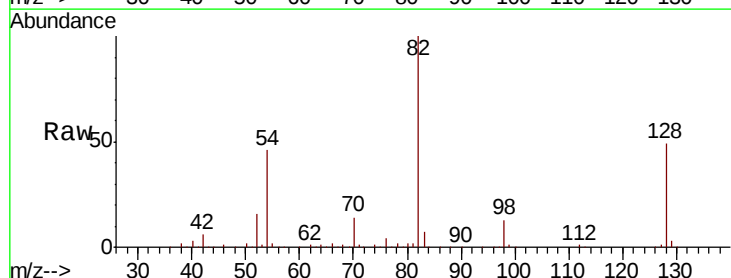
Instrument :
BNA_F
ClientSampleId :

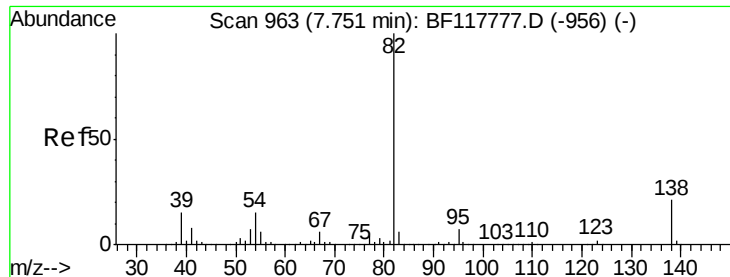
Tot Ion:	136	Resp:	546909
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	5.9	4.9	7.3
68	4.9	3.6	5.4



#23
Nitrobenzene-d5
Concen: 68.160 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Tgt Ion:	82	Resp:	627078
Ion	Ratio	Lower	Upper
82	100		
128	48.5	38.2	57.4
54	46.3	39.0	58.4





#25

Isophorone

Concen: 37.190 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Instrument :

BNA_F

ClientSampled :

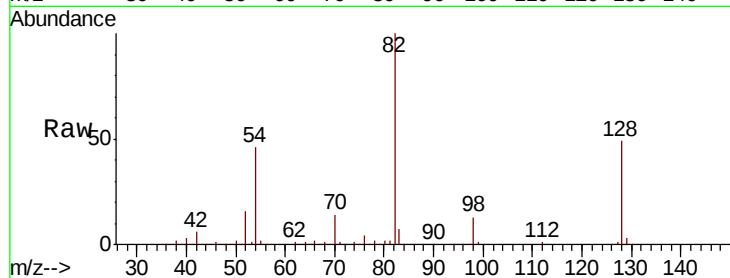
Tot Ion: 82 Resp: 627120

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

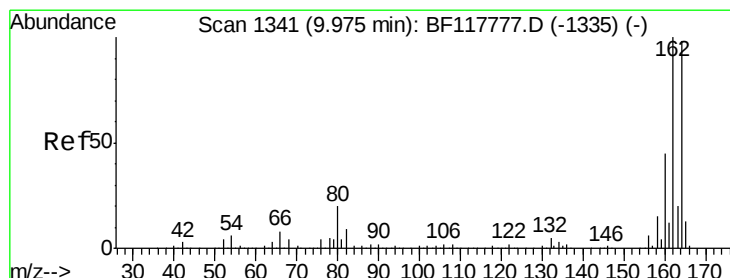
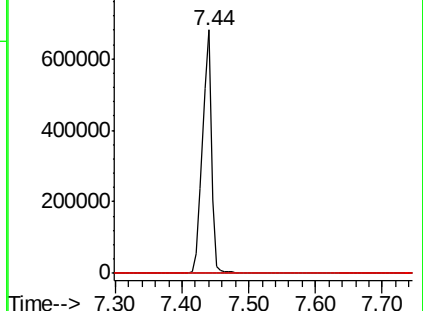
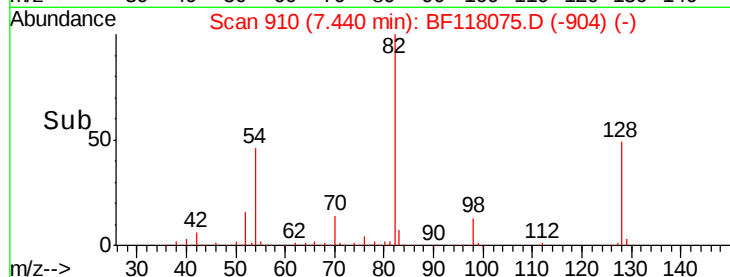
138 0.0 15.9 23.9#



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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

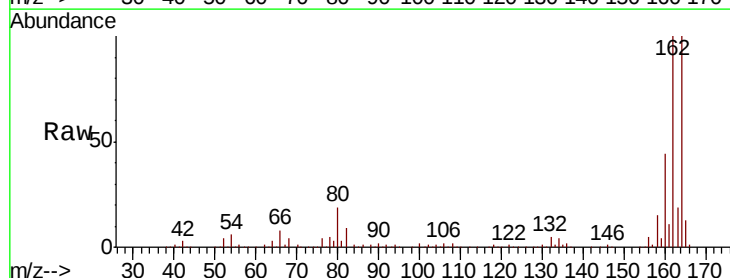
Tgt Ion:164 Resp: 294878

Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.8

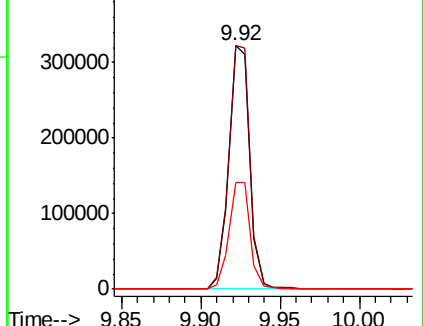
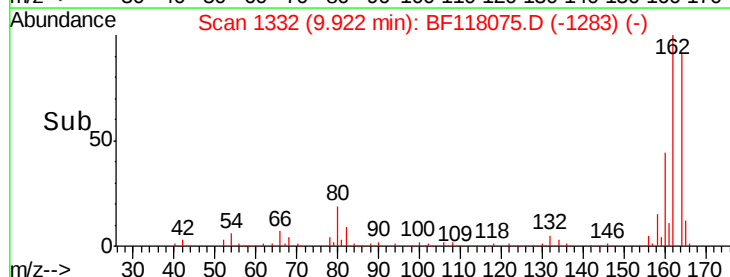
160 43.6 35.9 53.9

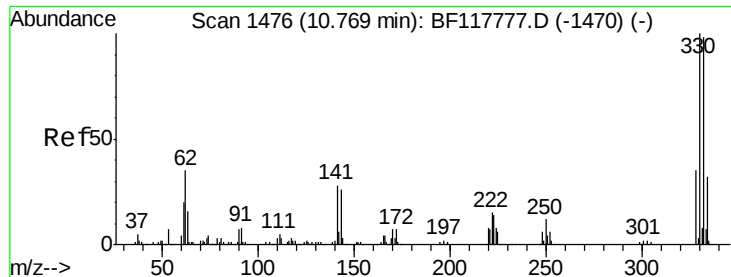


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 105.510 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

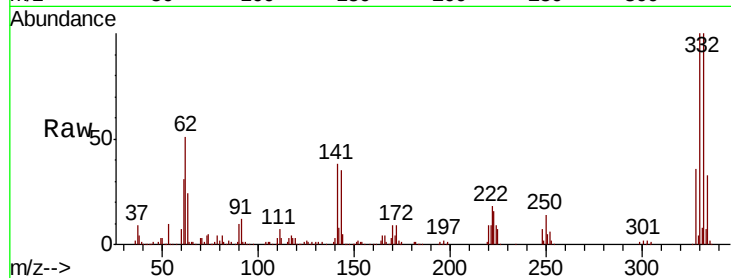
Tot Ion:330 Resp: 329386

Ion Ratio Lower Upper

330 100

332 99.0 78.3 117.5

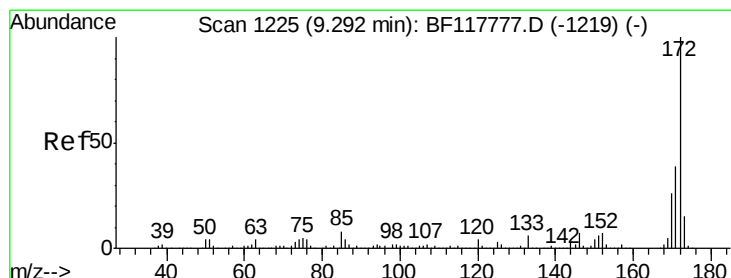
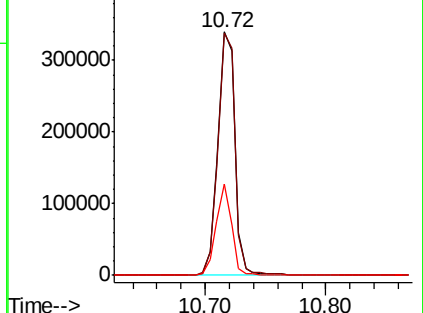
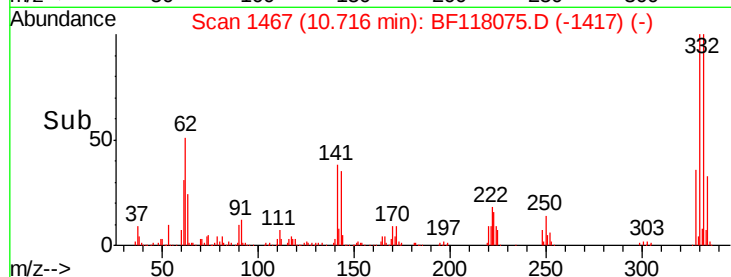
141 34.0 26.4 39.6



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: 66.806 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

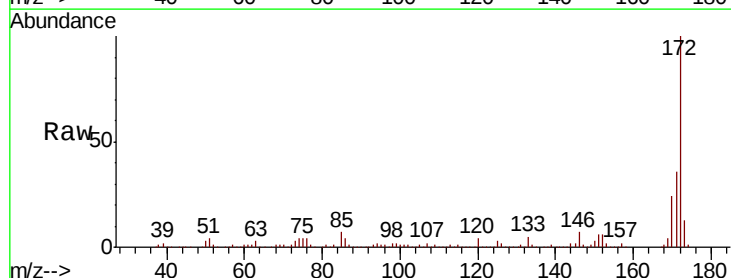
Tgt Ion:172 Resp: 1098057

Ion Ratio Lower Upper

172 100

171 35.8 29.2 43.8

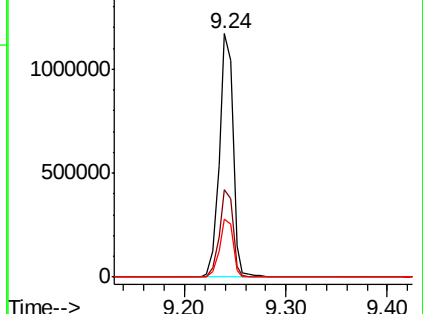
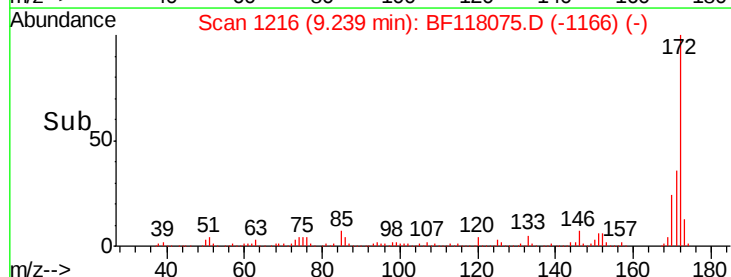
170 24.0 19.3 28.9

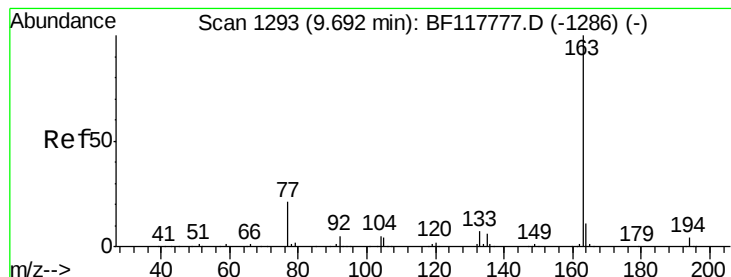


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.601 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

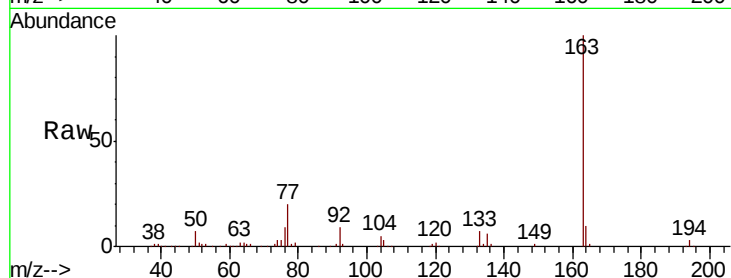
Tot Ion:163 Resp: 219204

Ion Ratio Lower Upper

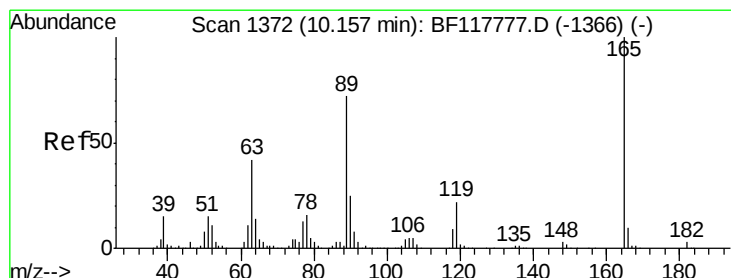
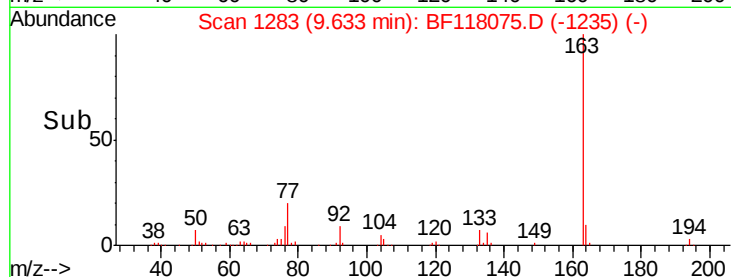
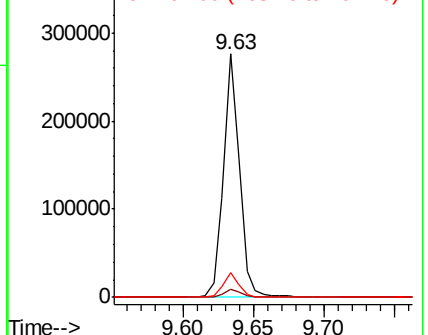
163 100

194 3.4 3.1 4.7

164 10.0 7.9 11.9



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: 6.581 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.20 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Tgt Ion:165 Resp: 37831

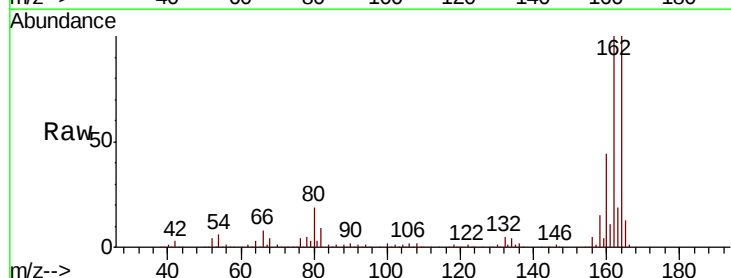
Ion Ratio Lower Upper

165 100

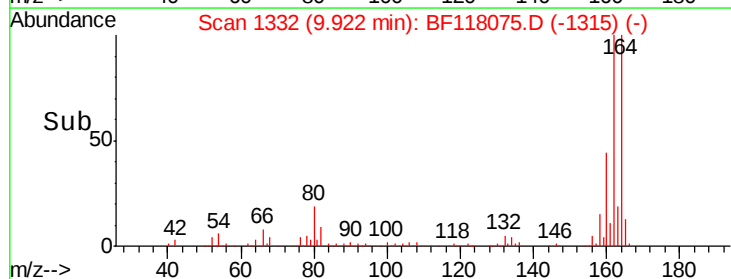
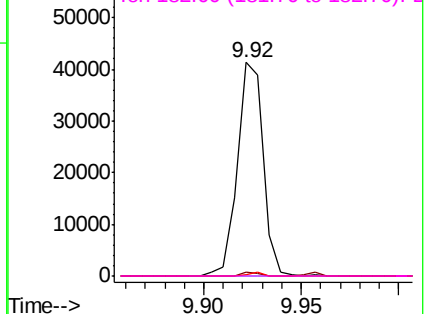
63 1.5 26.5 39.7#

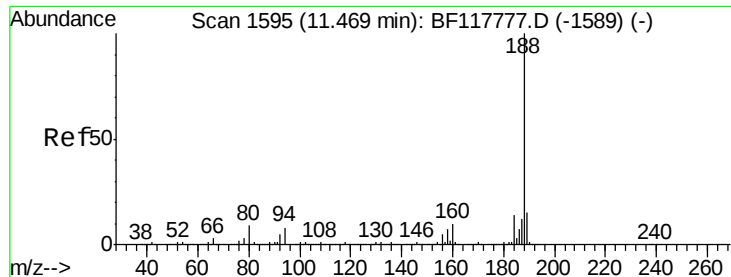
89 0.9 47.2 70.8#

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: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

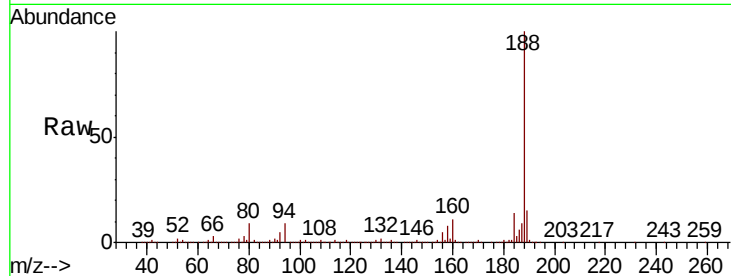
Tot Ion:188 Resp: 550226

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

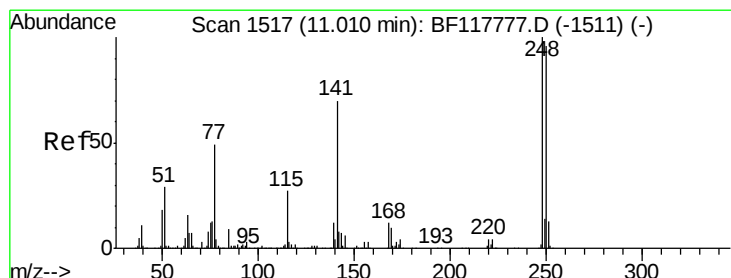
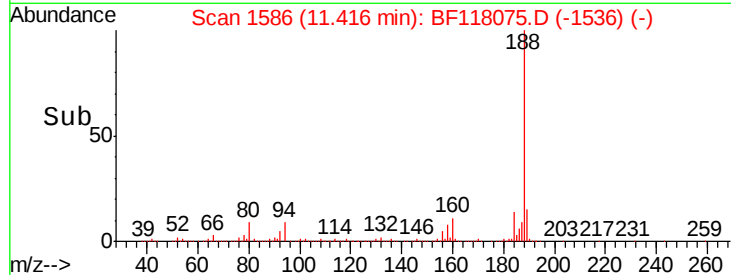
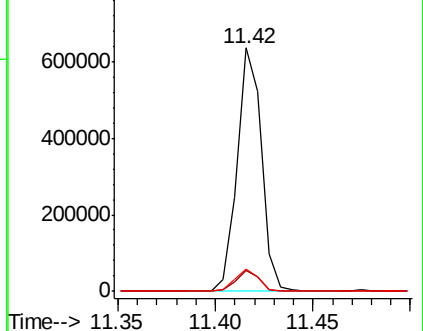
80 9.3 7.2 10.8



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: 3.459 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.25 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

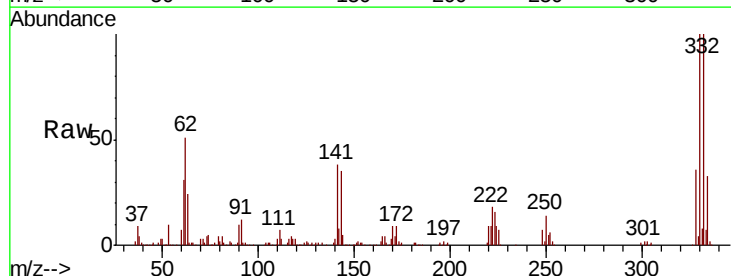
Tgt Ion:248 Resp: 20535

Ion Ratio Lower Upper

248 100

250 198.7 78.0 117.0#

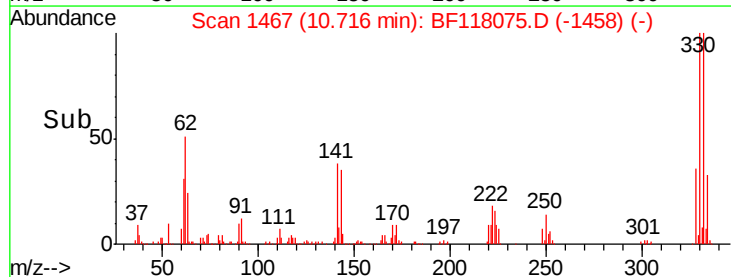
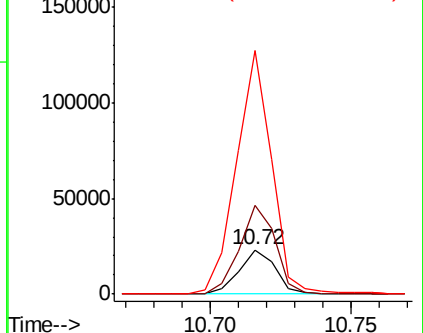
141 546.9 64.0 96.0#

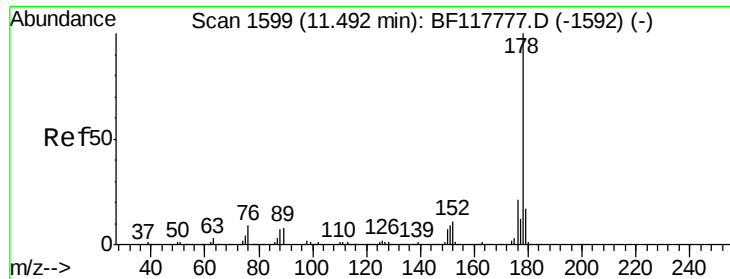


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

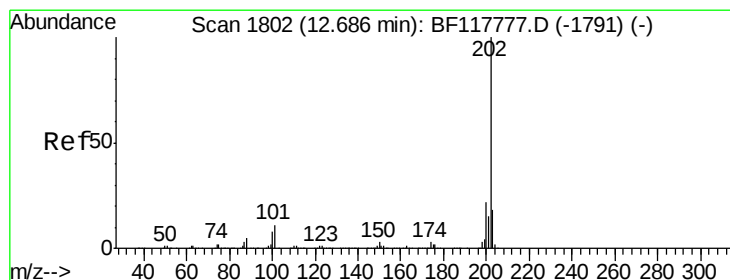
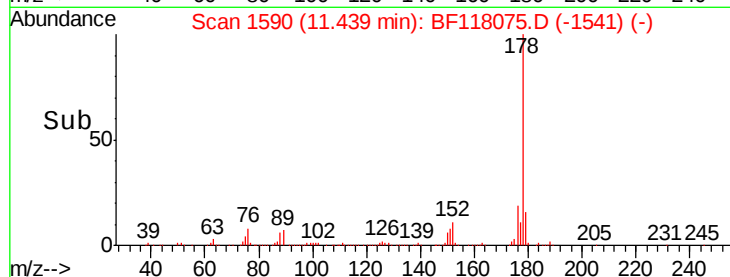
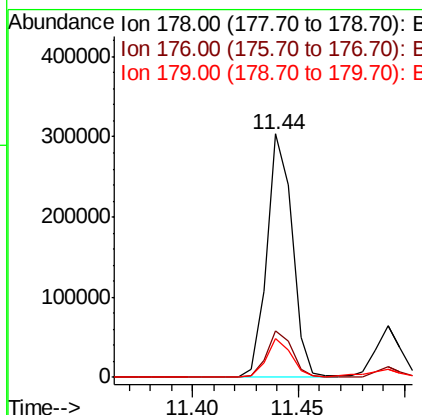
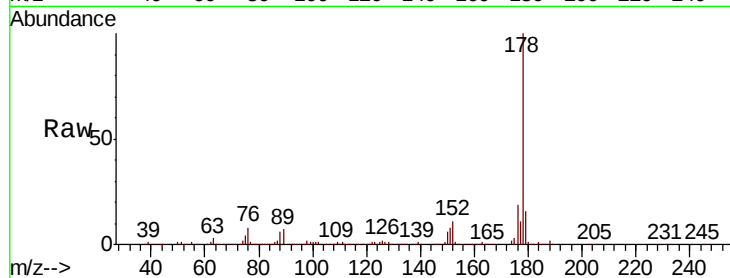




#71
Phenanthrene
Concen: 9.256 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

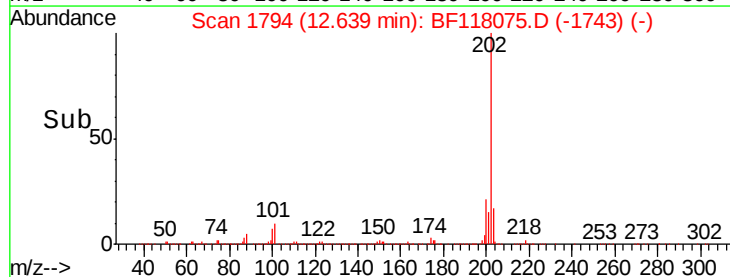
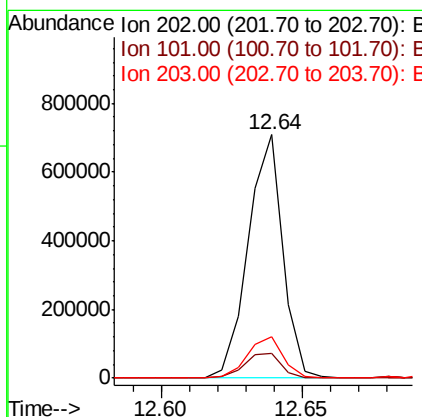
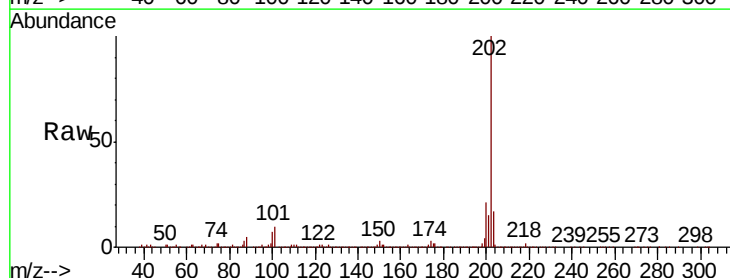
Instrument :
BNA_F
ClientSampleId :

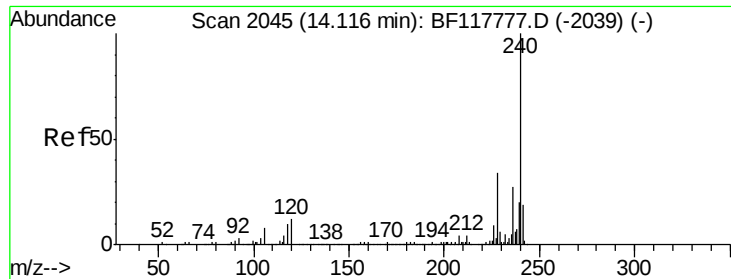
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.3	18.5



#75
Fluoranthene
Concen: 19.510 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.5
203	17.1	0.0	37.6

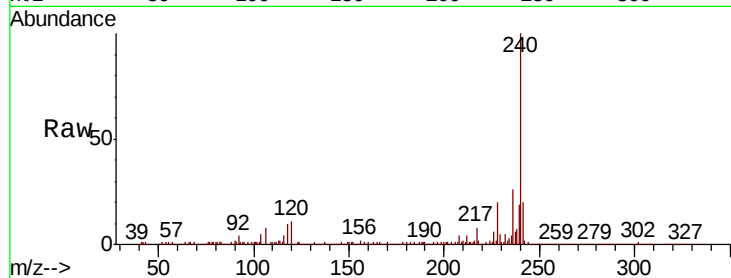




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	25.9	20.6	31.0

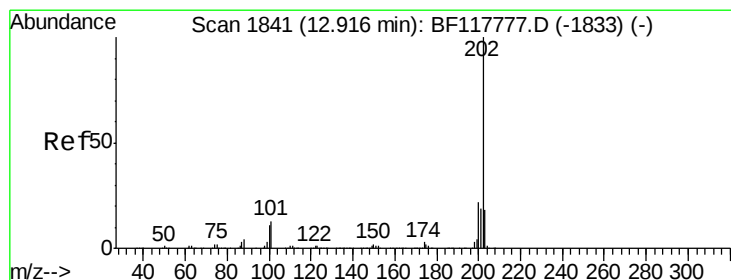
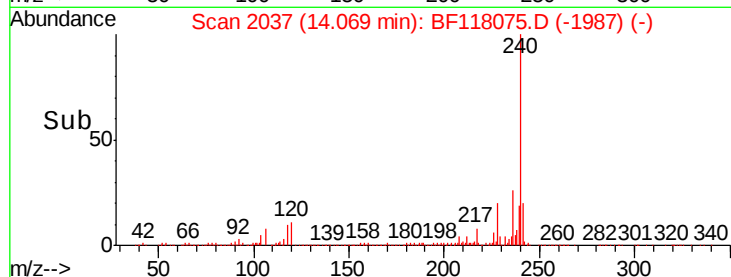
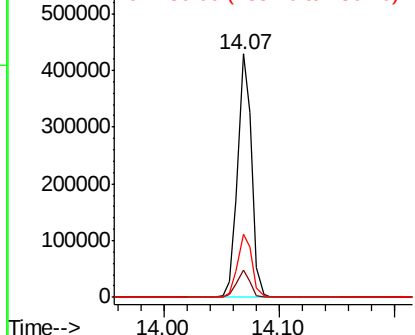


Abundance

Ion 240.00 (239.70 to 240.70): E

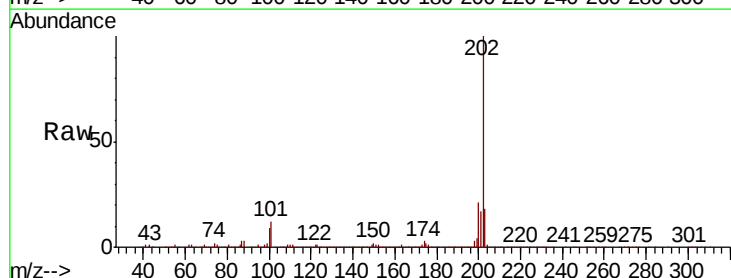
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 19.110 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	17.6	14.2	21.4

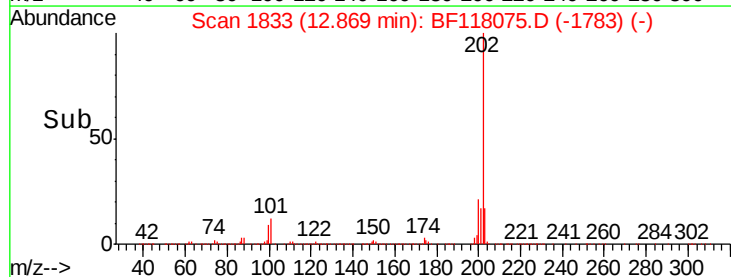
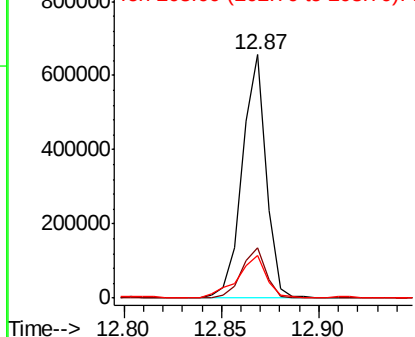


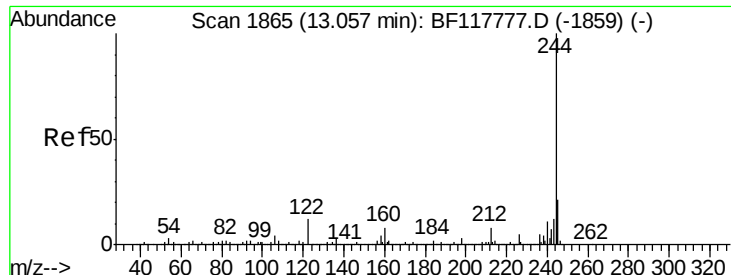
Abundance

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: 59.440 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

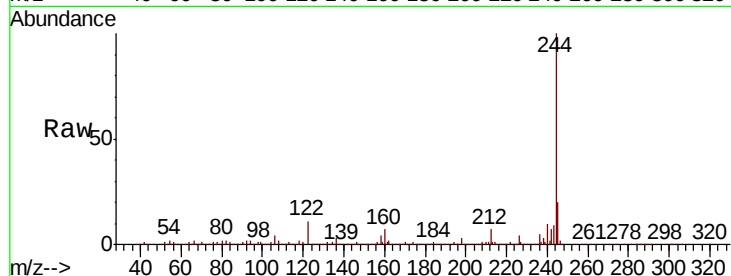
Tot Ion:244 Resp: 1168079

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

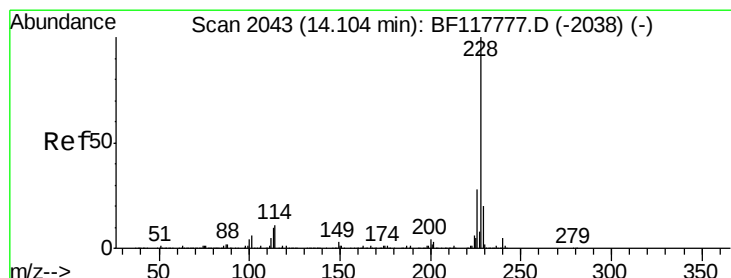
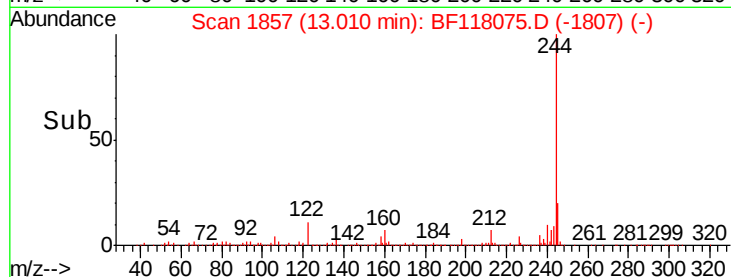
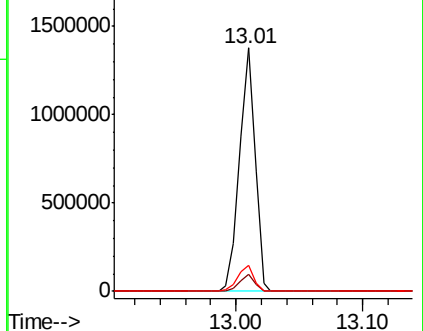
122 10.9 7.2 10.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 11.638 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118075.D

Acq: 3 Dec 2019 21:16

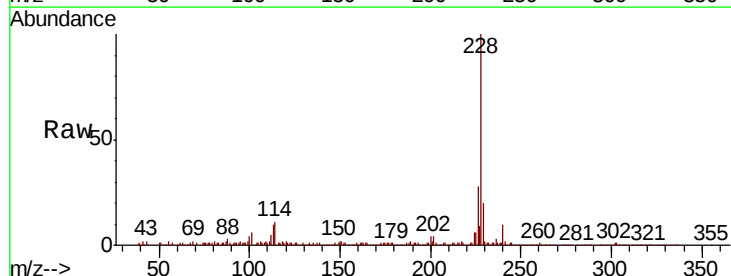
Tgt Ion:228 Resp: 276200

Ion Ratio Lower Upper

228 100

226 28.4 21.9 32.9

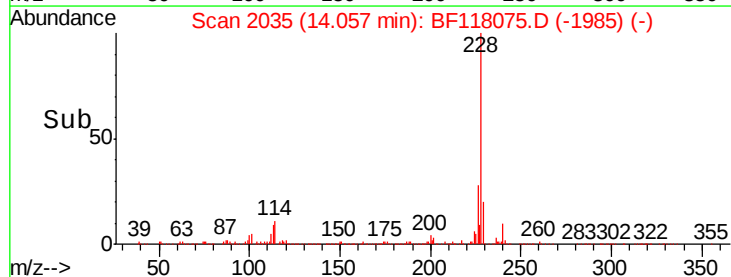
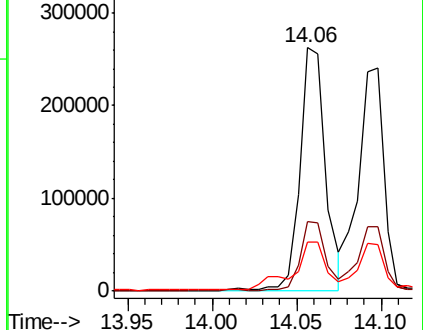
229 20.3 16.2 24.2

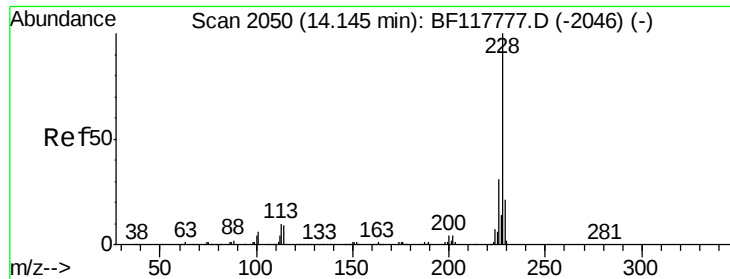


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

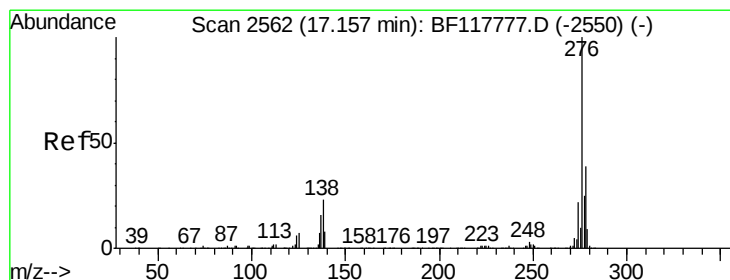
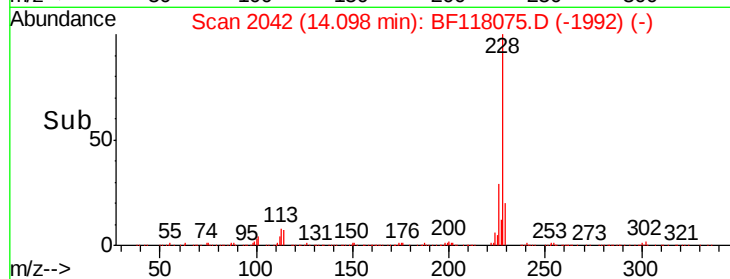
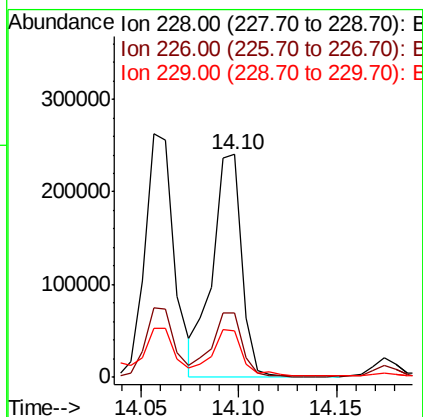
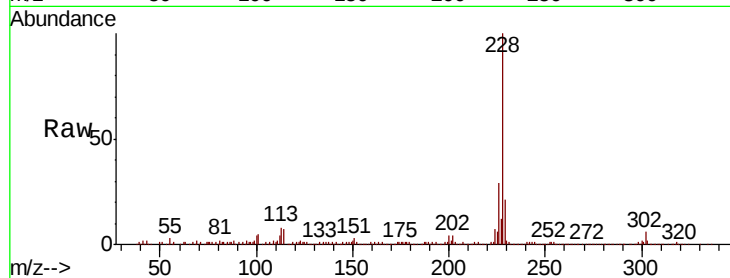




#83
 Chrysene
 Concen: 10.888 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF118075.D
 Acq: 3 Dec 2019 21:16

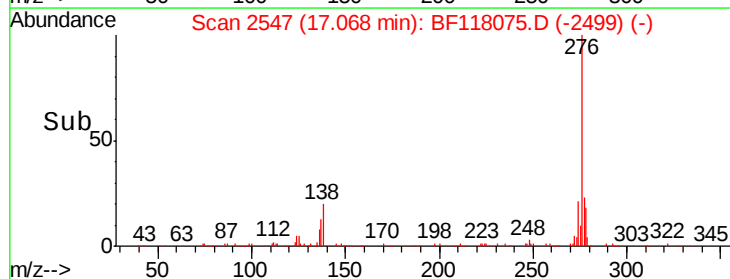
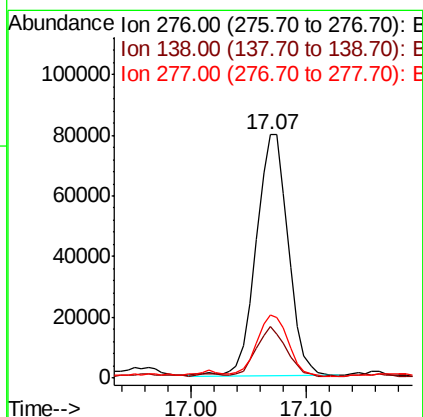
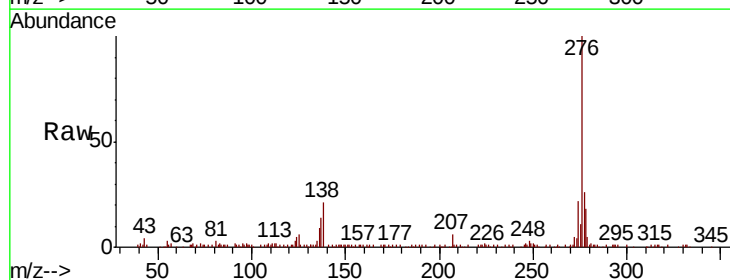
Instrument :
 BNA_F
 ClientSampleId :

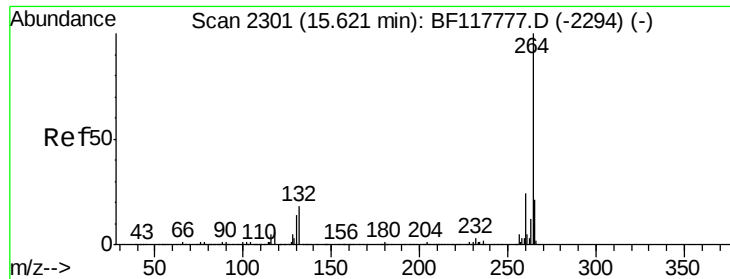
Tot Ion:228	Resp:	250391
Ion Ratio	Lower	Upper
228	100	
226	29.1	23.6 35.4
229	20.6	16.2 24.2



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.860 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF118075.D
 Acq: 3 Dec 2019 21:16

Tgt Ion:276	Resp:	153837
Ion Ratio	Lower	Upper
276	100	
138	19.5	19.0 28.6
277	25.1	20.7 31.1

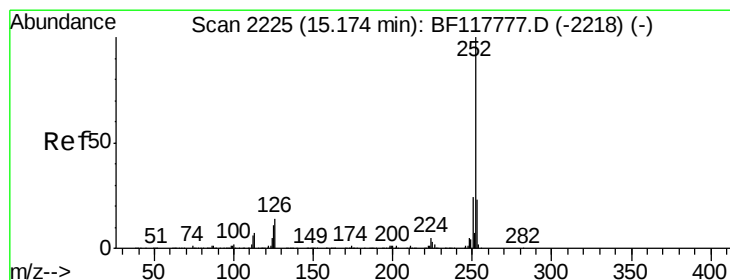
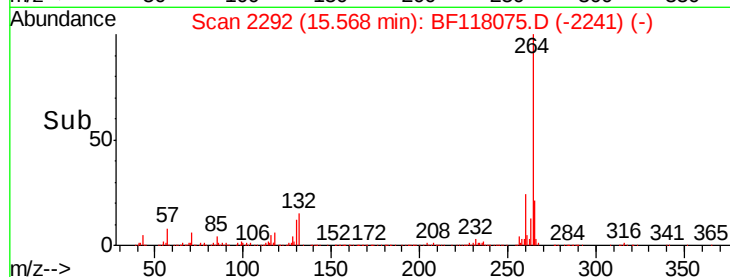
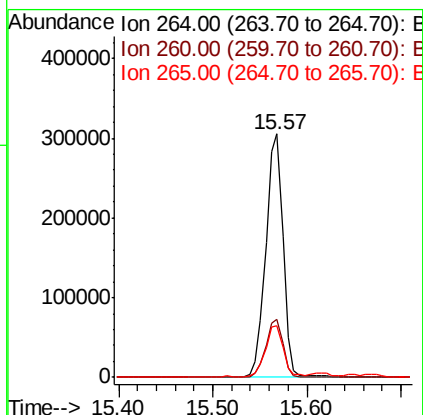
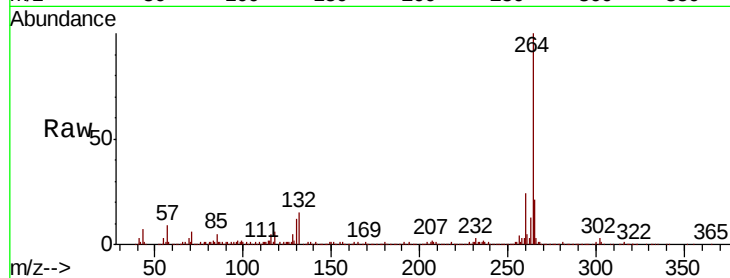




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

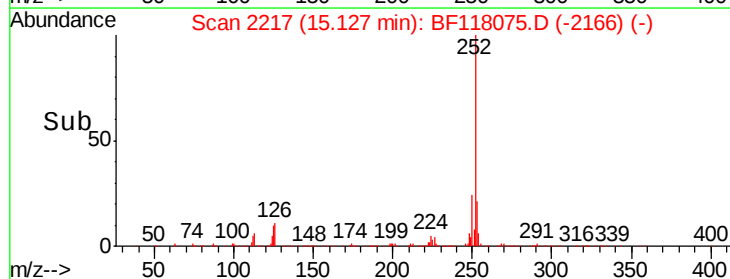
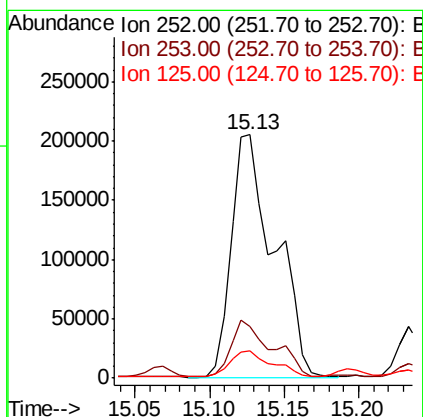
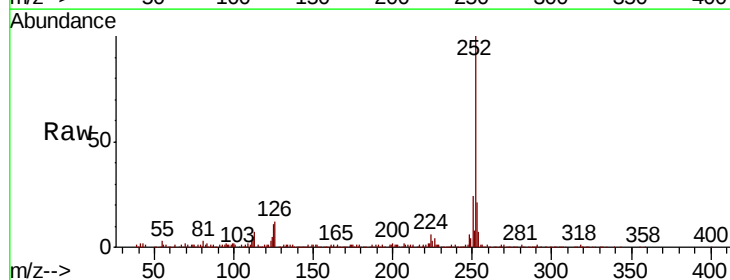
Instrument :
BNA_F
ClientSampleId :

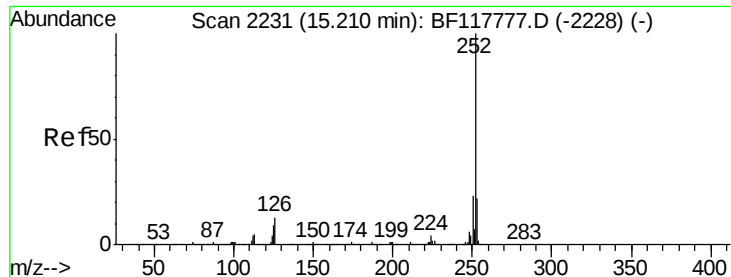
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.4	16.4	24.6



#88
Benzo(b)fluoranthene
Concen: 16.243 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	11.0	7.7	11.5

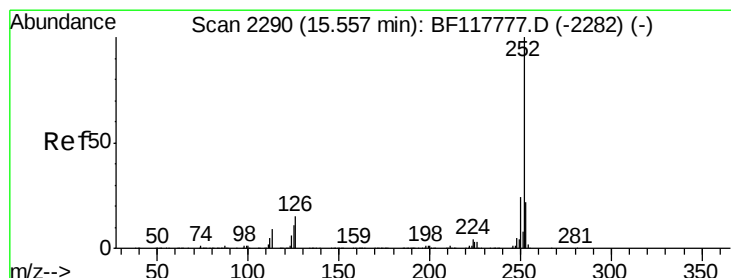
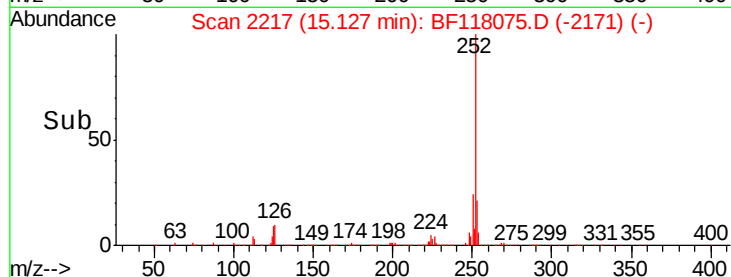
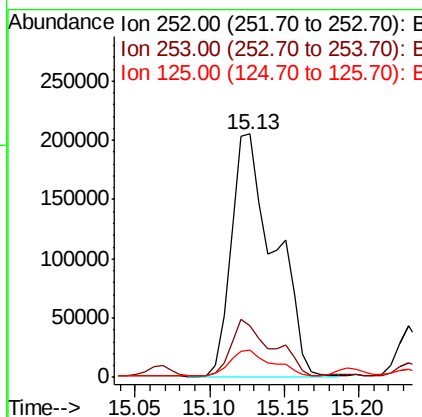
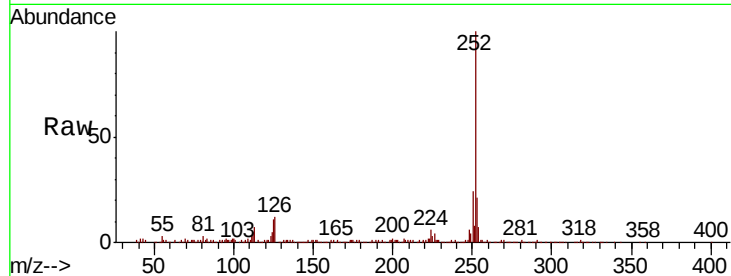




#89
Benzo(k)fluoranthene
Concen: 17.239 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.03 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

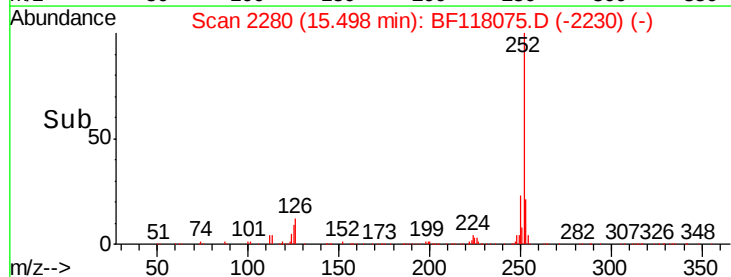
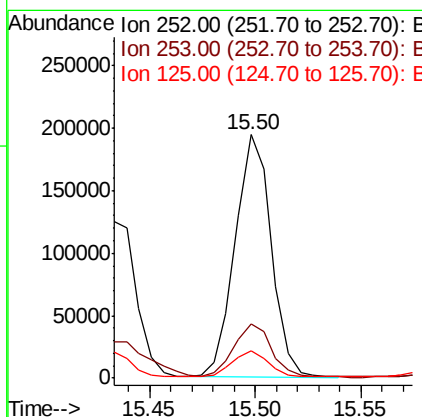
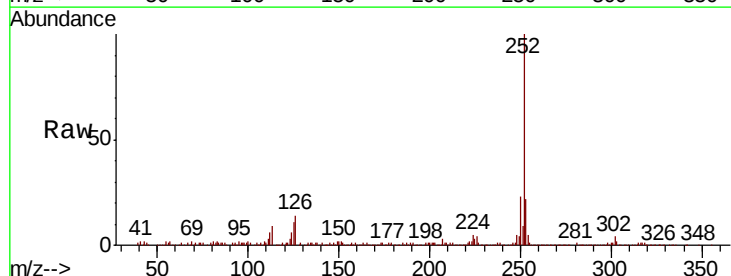
Instrument :
BNA_F
ClientSampleId :

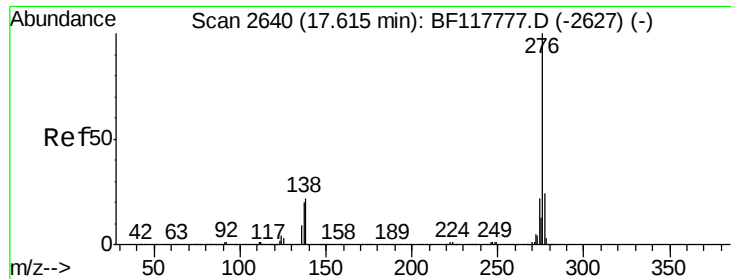
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	11.0	8.5	12.7



#90
Benzo(a)pyrene
Concen: 10.312 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF118075.D
Acq: 3 Dec 2019 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.0	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 7.439 ng
 RT: 17.53 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: BF118075.D
 Acq: 3 Dec 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.4
138	21.1	16.6	25.0

