

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118390.D
 Acq On : 30 Dec 2019 19:33
 Operator : JU
 Sample : K6447-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 00:40:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	129628	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	508856	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	275192	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	504736	20.00	ng	0.00
76) Chrysene-d12	14.05	240	295051	20.00	ng	0.00
87) Perylene-d12	15.54	264	322463	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	779047	102.59	ng	0.01
7) Phenol-d6	6.49	99	989534	105.04	ng	0.00
23) Nitrobenzene-d5	7.42	82	606319	68.15	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	350007	102.99	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1291337	71.63	ng	0.00
79) Terphenyl-d14	12.99	244	1440142	80.98	ng	0.00

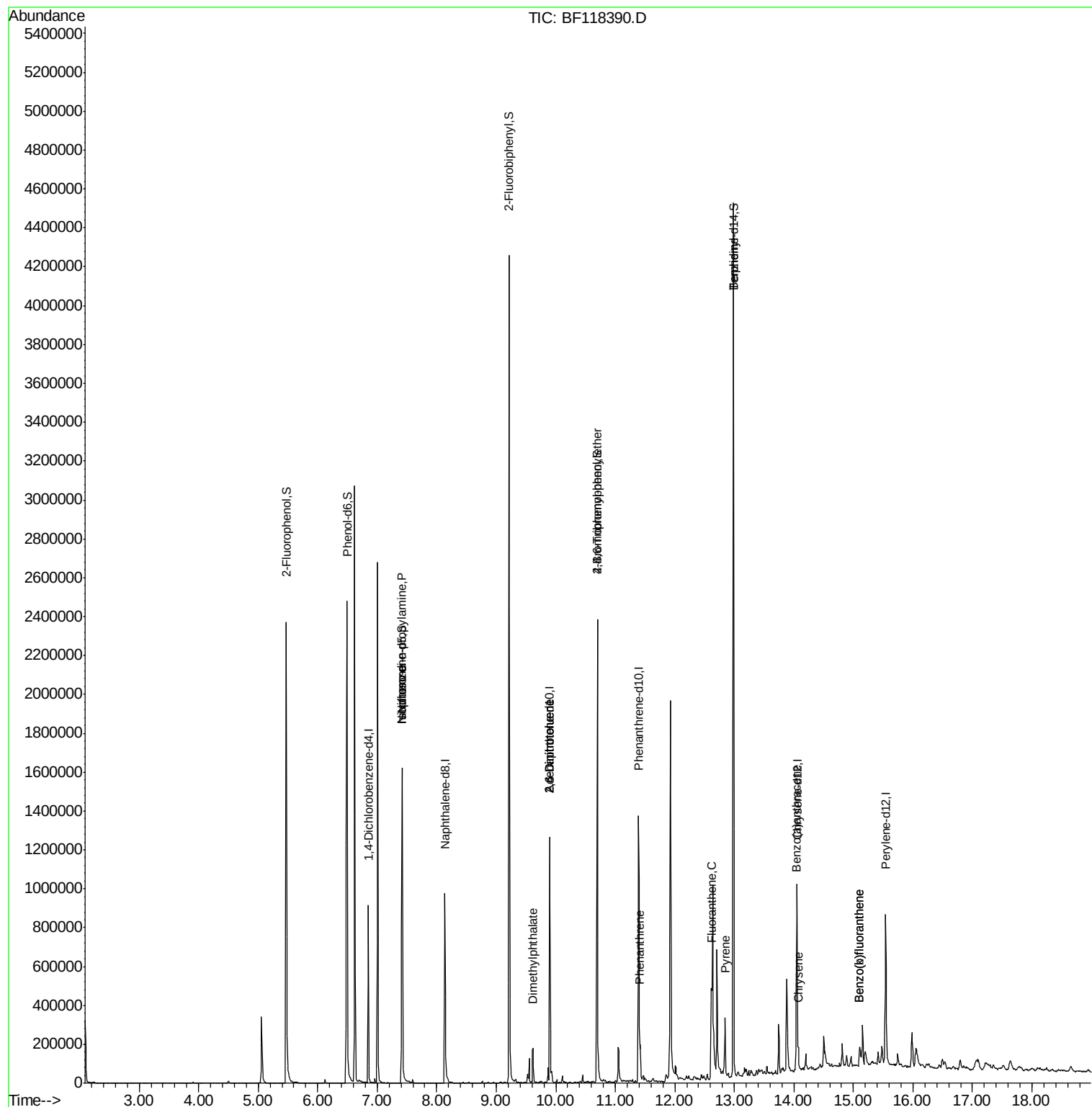
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	81265	14.003	ng	# 79
25) Isophorone	7.42	82	606316	39.104	ng	# 62
50) Dimethylphthalate	9.62	163	92457	4.476	ng	99
51) 2,6-Dinitrotoluene	9.90	165	35412	7.952	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	35412	5.951	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	21364	3.617	ng	# 1
71) Phenanthrene	11.42	178	87897	3.194	ng	98
75) Fluoranthene	12.62	202	148996	5.365	ng	98
77) Benzidine	12.99	184	20283	2.509	ng	# 95
78) Pyrene	12.84	202	117926	4.894	ng	100
81) Benzo(a)anthracene	14.04	228	46228	2.238	ng	99
83) Chrysene	14.07	228	40821	2.064	ng	95
88) Benzo(b)fluoranthene	15.10	252	73334	3.426	ng	# 93
89) Benzo(k)fluoranthene	15.10	252	73334	3.568	ng	# 95

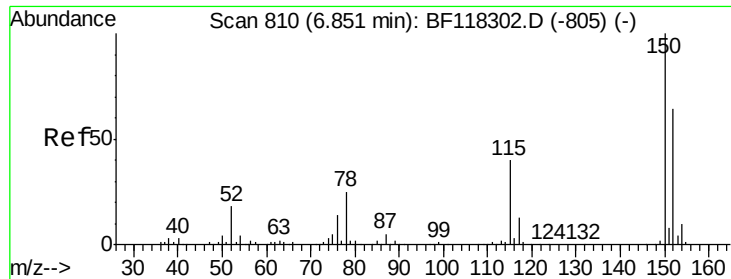
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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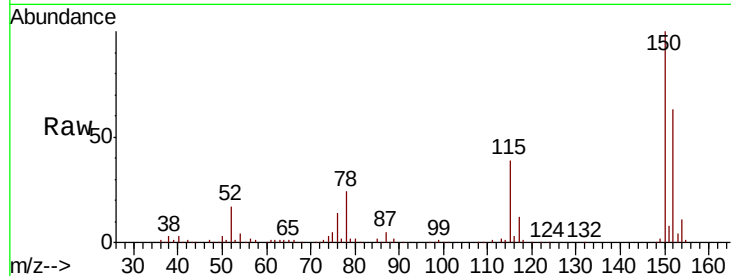


#1

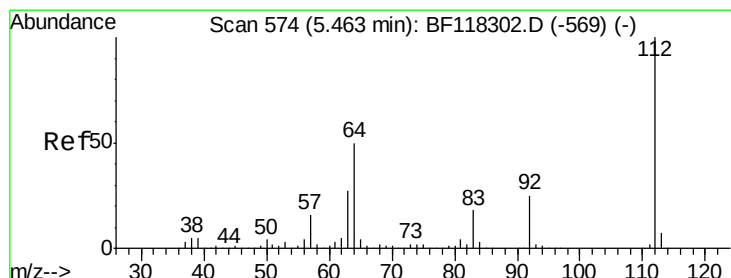
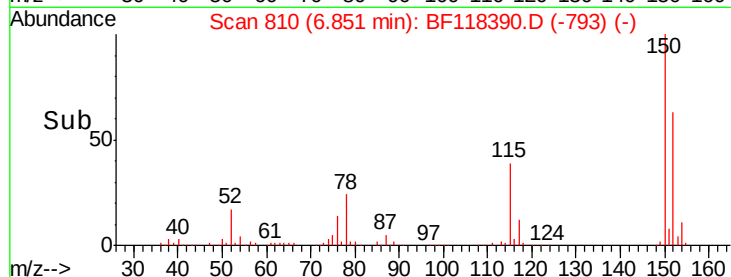
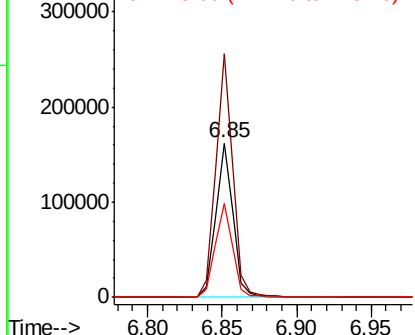
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129628
Ion Ratio Lower Upper
152 100
150 157.8 125.4 188.2
115 61.0 50.2 75.4



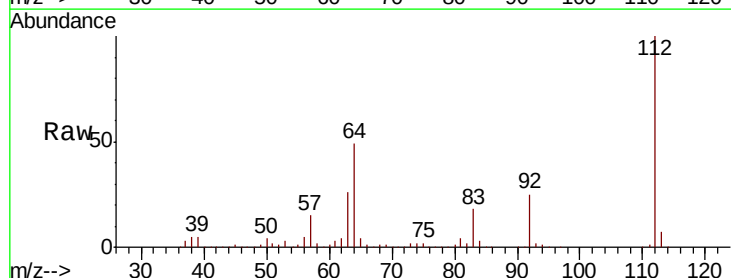
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



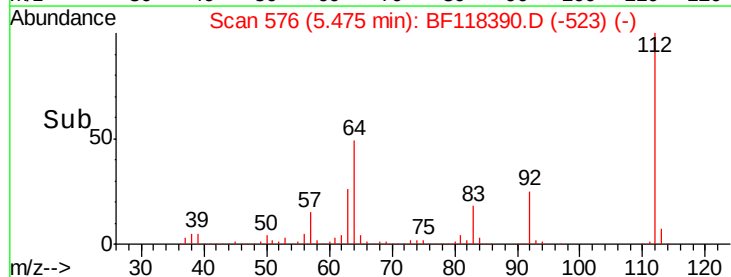
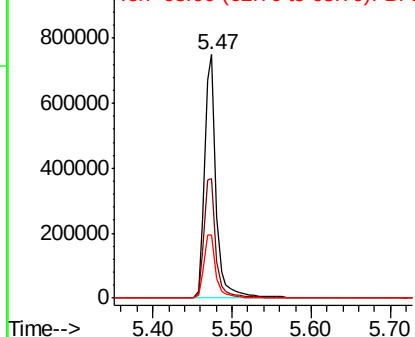
#5

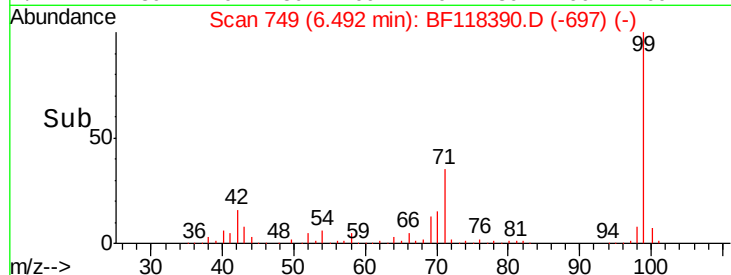
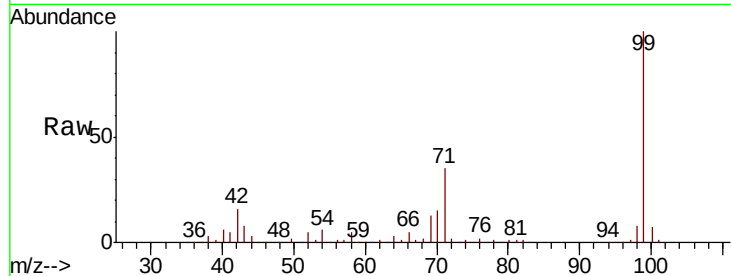
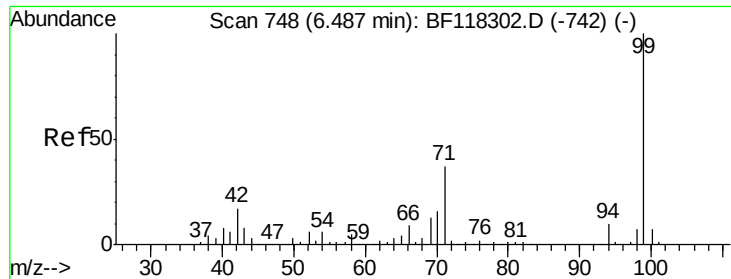
2-Fluorophenol
Concen: 102.588 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

Tgt Ion:112 Resp: 779047
Ion Ratio Lower Upper
112 100
64 49.1 39.7 59.5
63 26.2 21.7 32.5



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

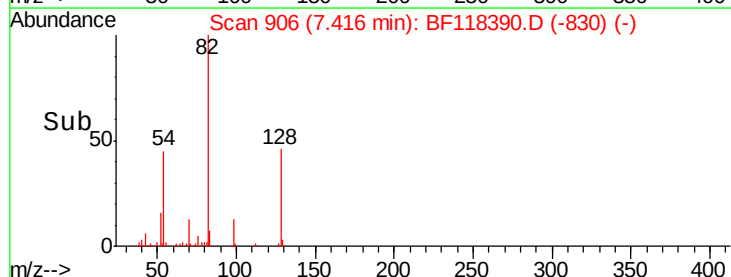
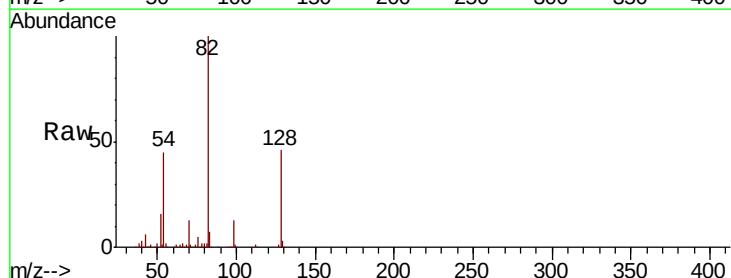
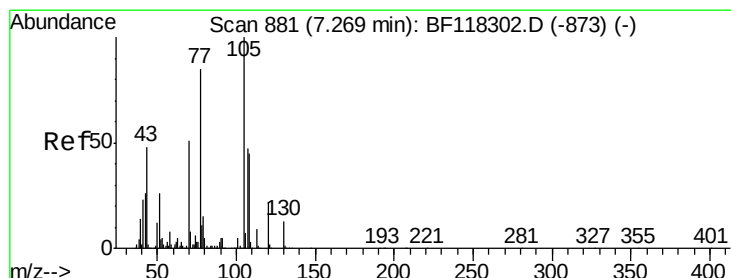
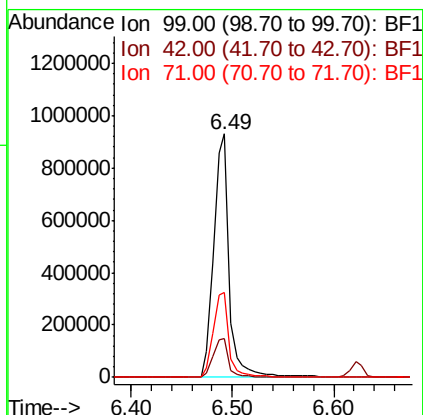




#7
Phenol-d6
Concen: 105.041 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

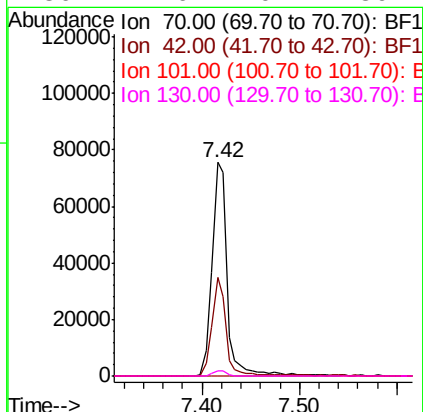
Instrument :
BNA_F
ClientSampleId :

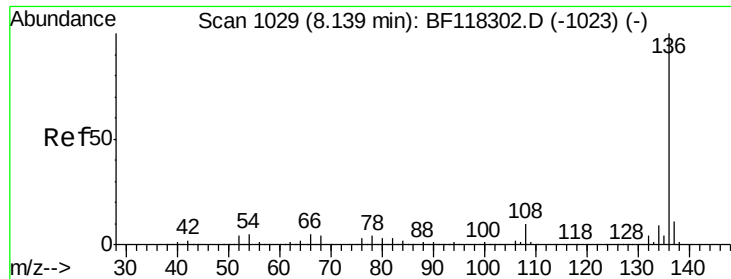
Tot Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	35.0	29.4	44.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.003 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

Tgt Ion	Ratio	Lower	Upper
70	100		
42	46.1	41.1	61.7
101	0.0	8.3	12.5#
130	2.6	20.1	30.1#

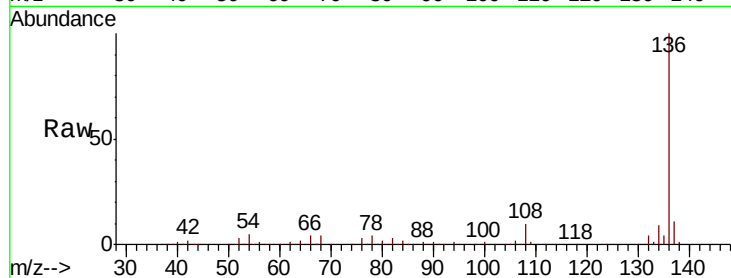




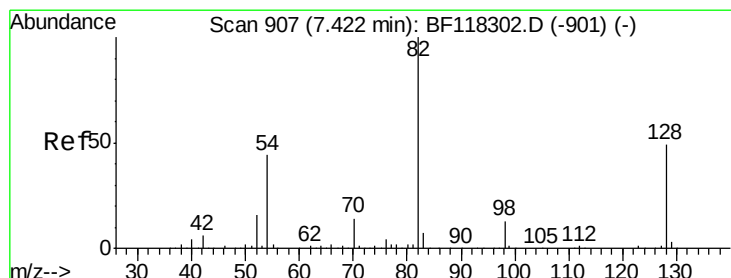
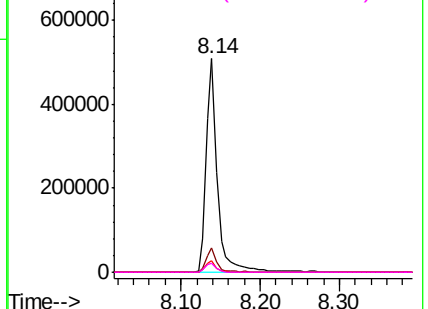
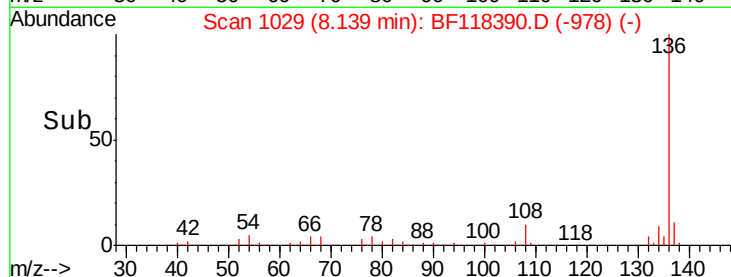
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	508856
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	5.4	4.2 6.4
68	4.3	3.5 5.3

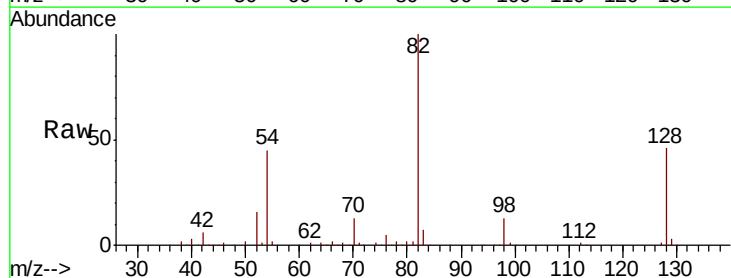


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

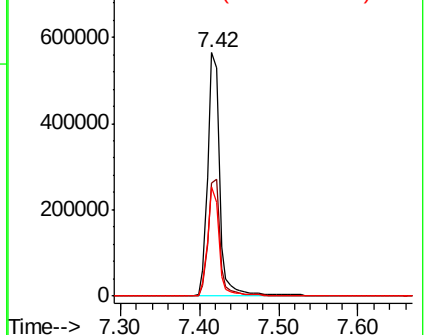
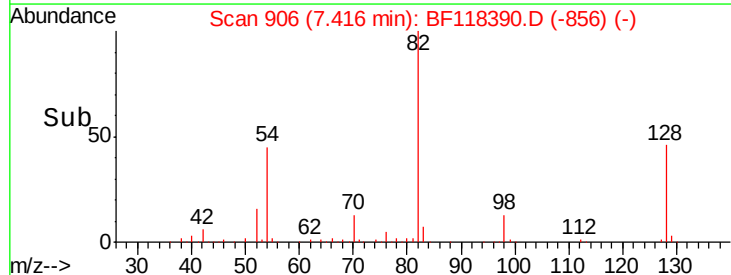


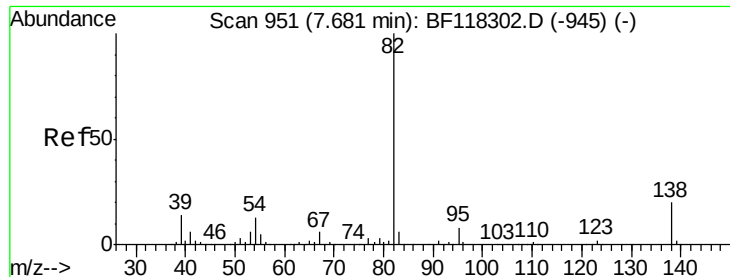
#23
Nitrobenzene-d5
Concen: 68.150 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

Tgt Ion: 82	Resp:	606319
Ion Ratio	Lower	Upper
82	100	
128	46.3	39.6 59.4
54	44.7	34.9 52.3



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: 39.104 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

Instrument :

BNA_F

ClientSampleId :

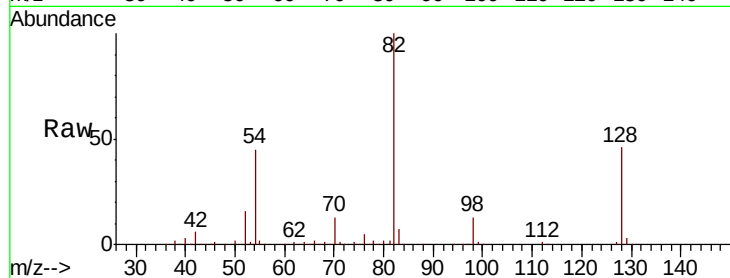
Tot Ion: 82 Resp: 606316

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

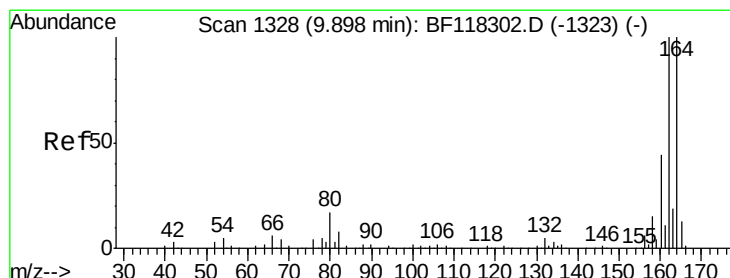
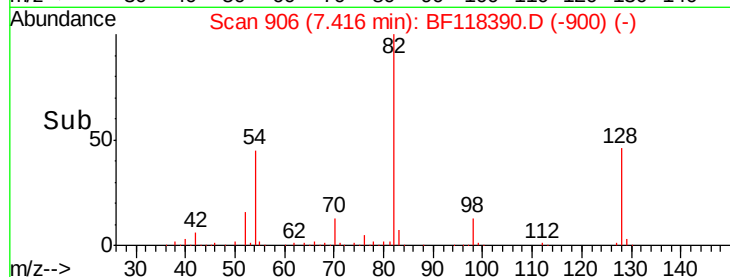
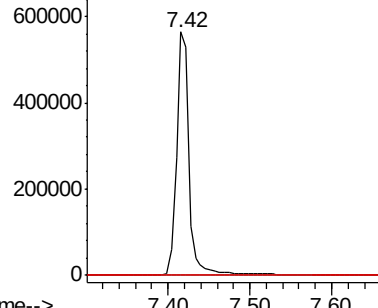
138 0.0 16.2 24.2#



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: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

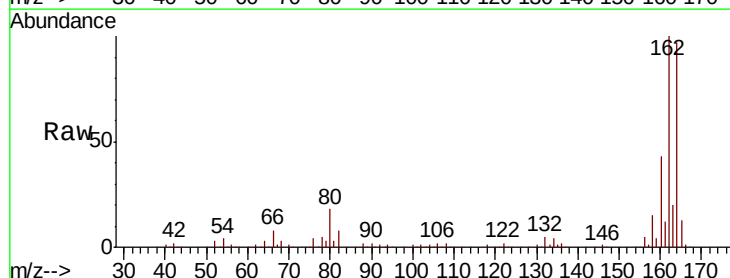
Tgt Ion: 164 Resp: 275192

Ion Ratio Lower Upper

164 100

162 103.0 80.0 120.0

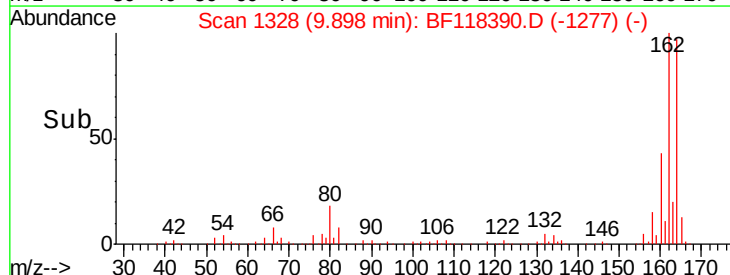
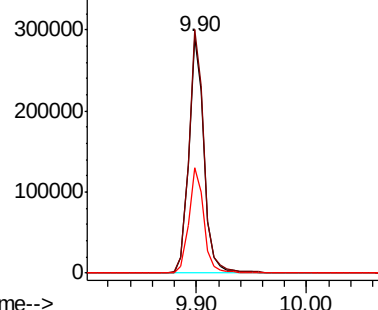
160 44.3 34.8 52.2

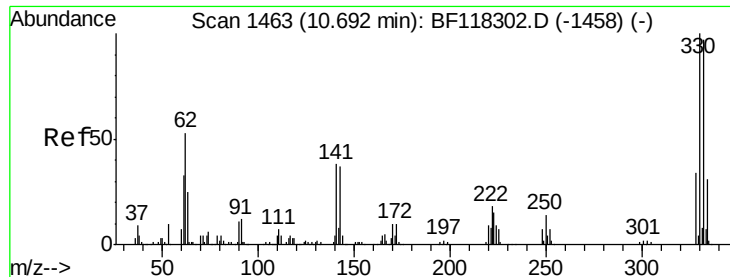


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

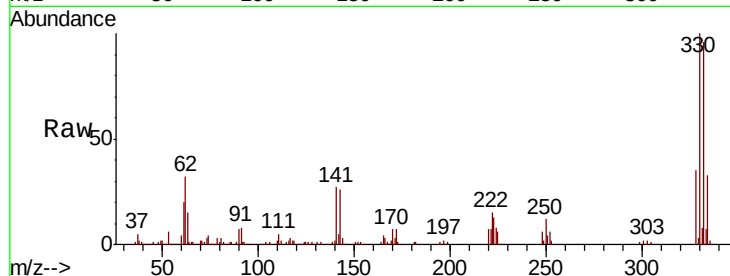




#42
 2,4,6-Tribromophenol
 Concen: 102.991 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118390.D
 Acq: 30 Dec 2019 19:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	32.5	26.0	39.0

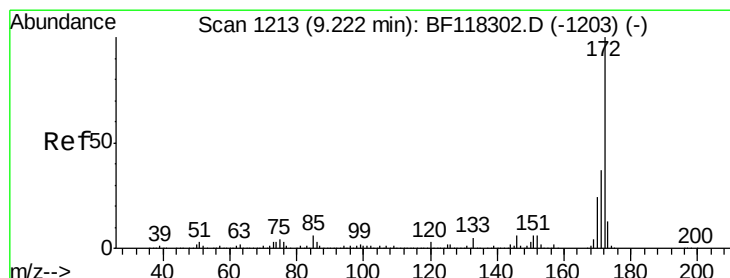
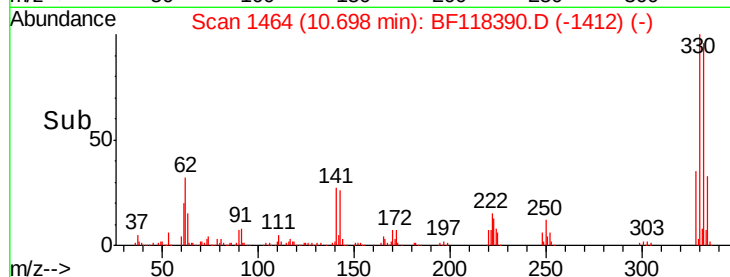
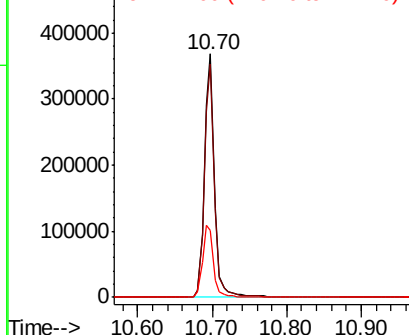


Abundance

Ion 329.80 (329.50 to 330.50): E

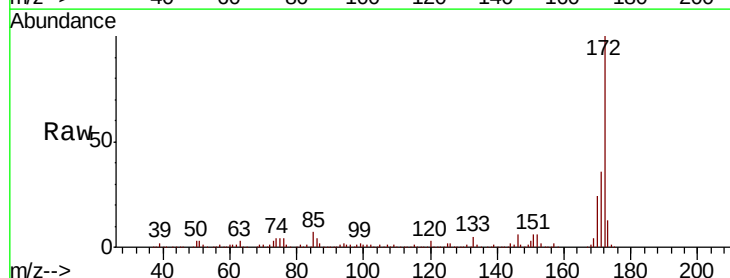
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 71.630 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118390.D
 Acq: 30 Dec 2019 19:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	23.8	19.2	28.8

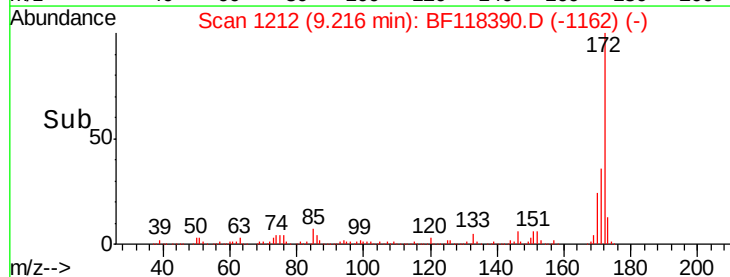
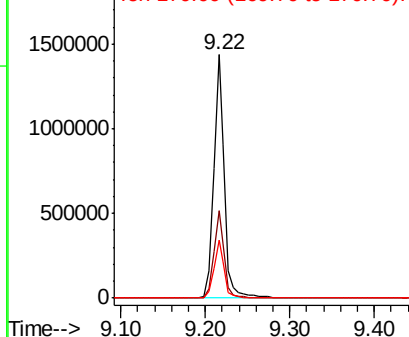


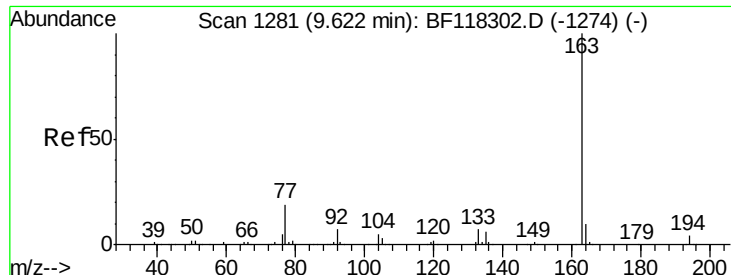
Abundance

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: 4.476 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

Instrument :

BNA_F

ClientSampled :

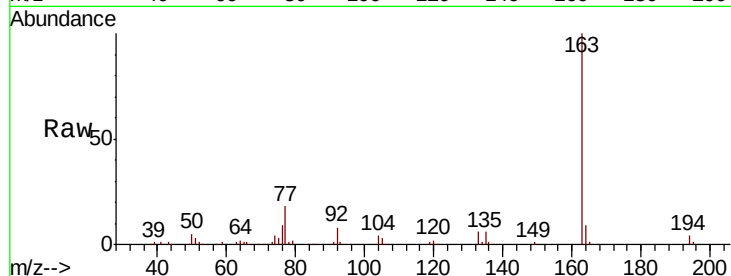
Tot Ion:163 Resp: 92457

Ion Ratio Lower Upper

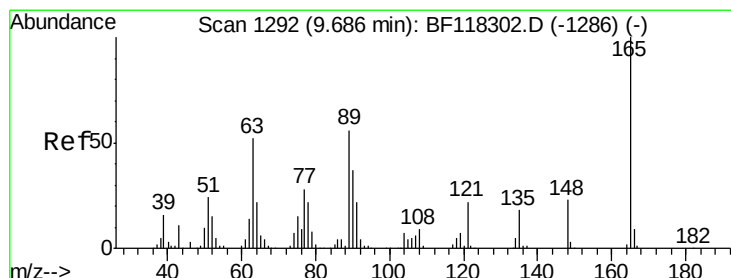
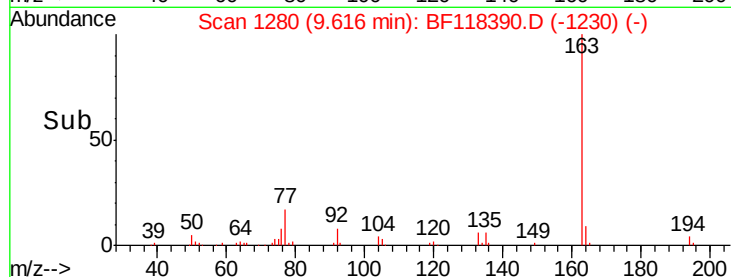
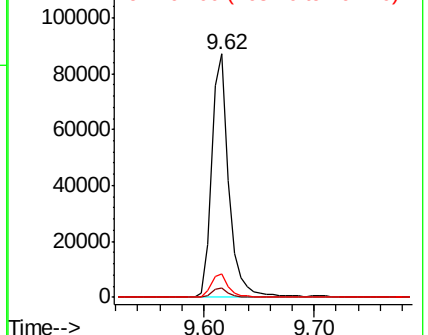
163 100

194 4.0 3.2 4.8

164 9.4 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



#51

2,6-Dinitrotoluene

Concen: 7.952 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

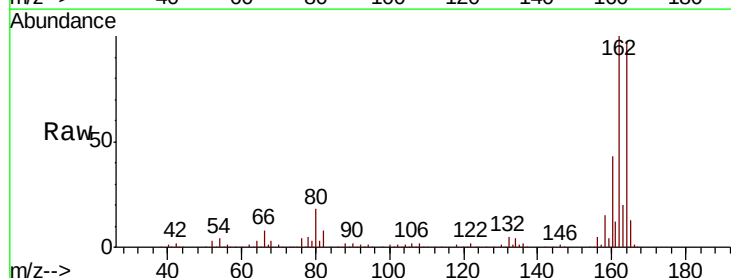
Tgt Ion:165 Resp: 35412

Ion Ratio Lower Upper

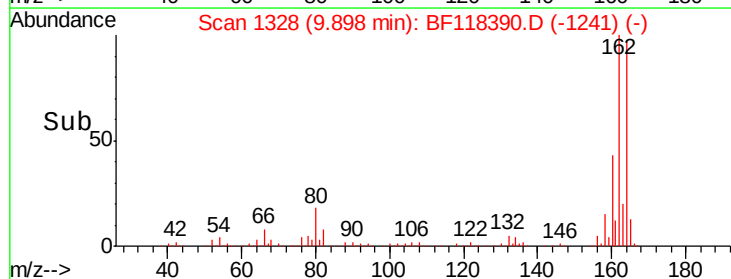
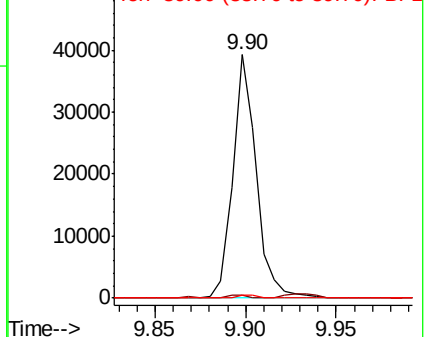
165 100

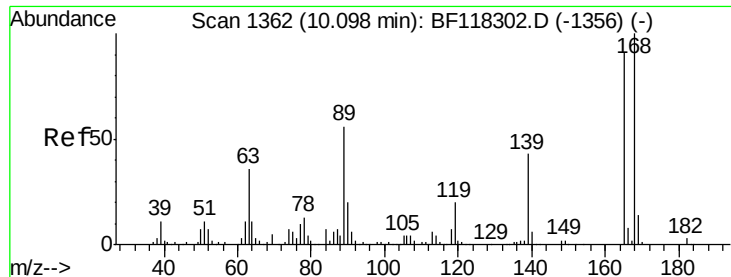
63 1.2 42.2 63.4#

89 1.4 44.4 66.6#



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





#57

2,4-Dinitrotoluene

Concen: 5.951 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 35412

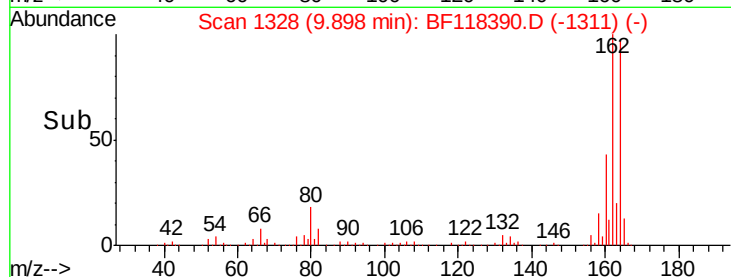
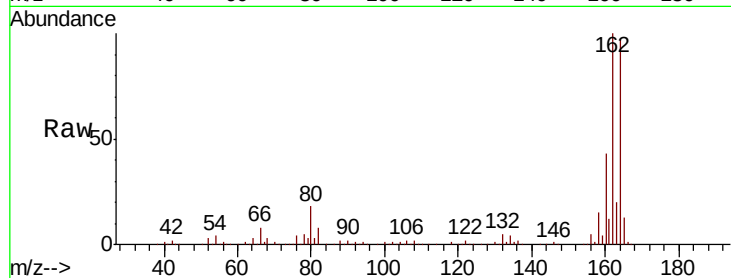
Ion Ratio Lower Upper

165 100

63 1.2 32.0 48.0#

89 1.4 49.3 73.9#

182 0.0 2.4 3.6#

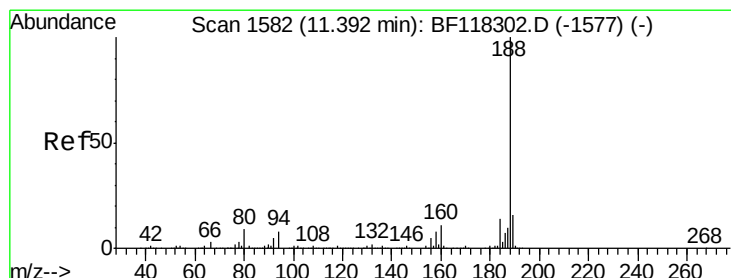
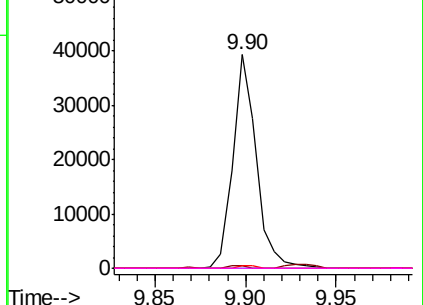


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

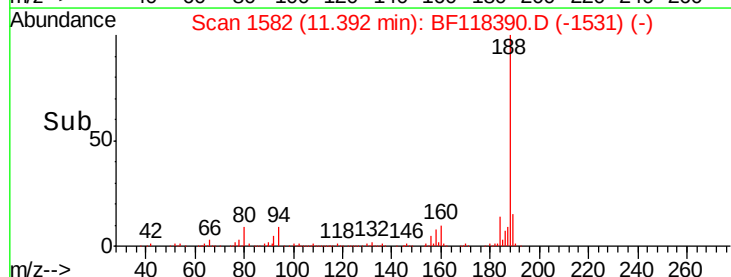
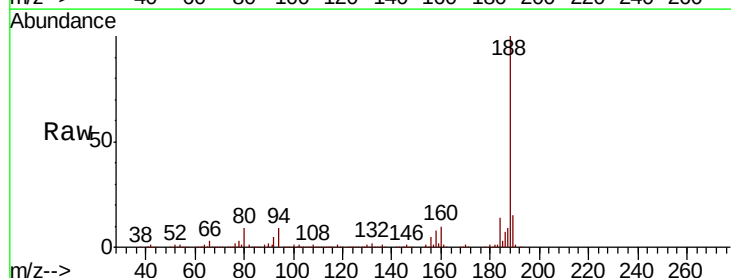
Tgt Ion:188 Resp: 504736

Ion Ratio Lower Upper

188 100

94 9.4 6.7 10.1

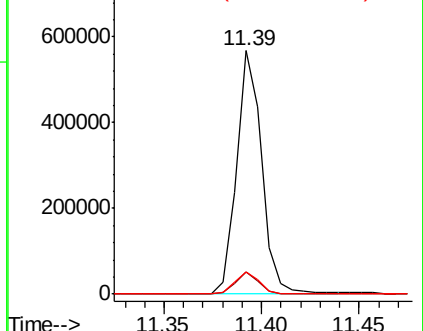
80 9.3 7.2 10.8

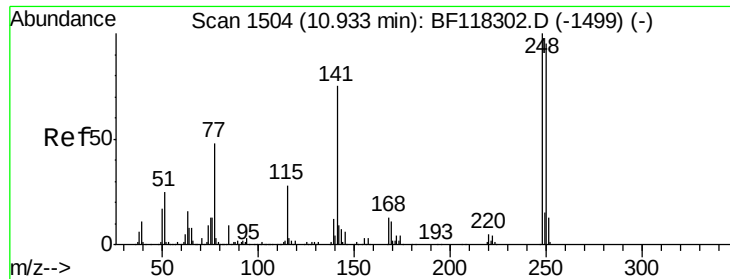


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

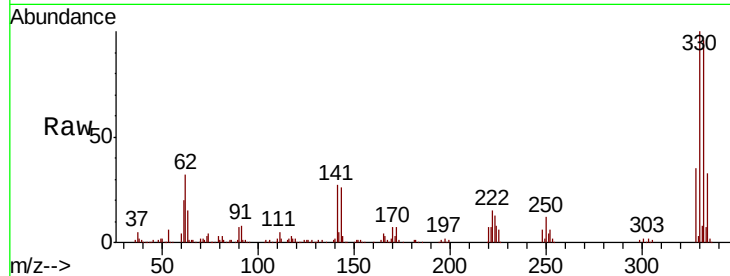




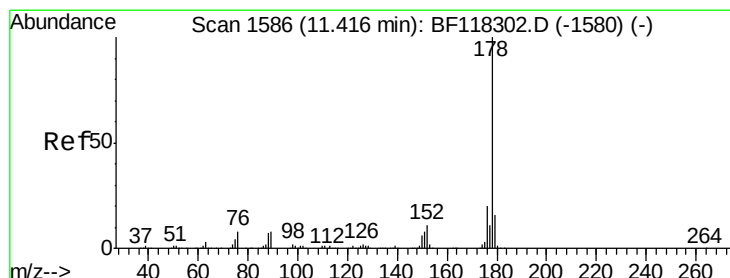
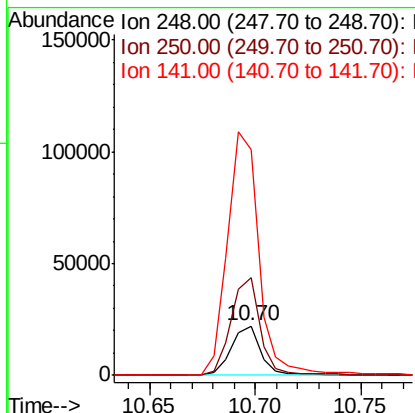
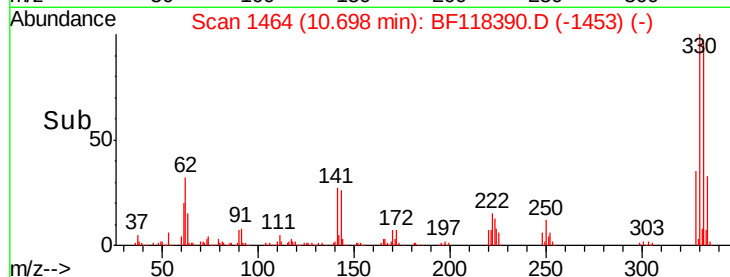
#67
 4-Bromophenyl-phenylether
 Concen: 3.617 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF118390.D
 Acq: 30 Dec 2019 19:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 21364
 Ion Ratio Lower Upper
 248 100
 250 198.9 76.4 114.6#
 141 459.0 60.2 90.2#

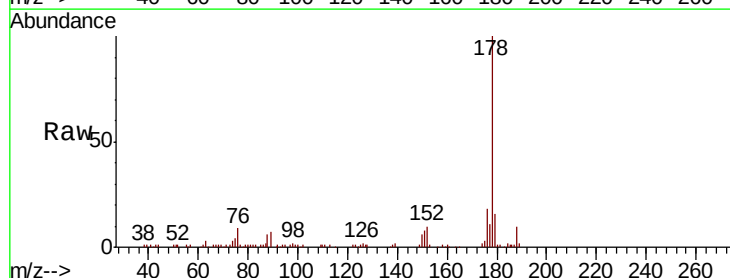


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

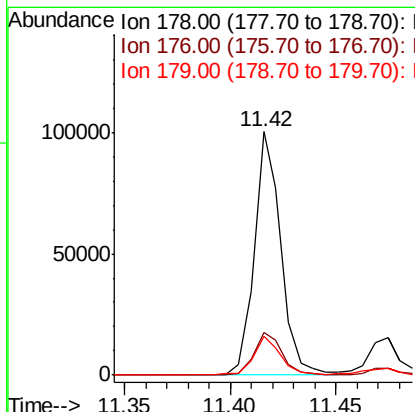
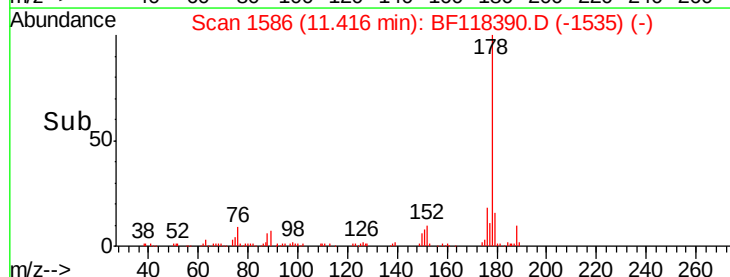


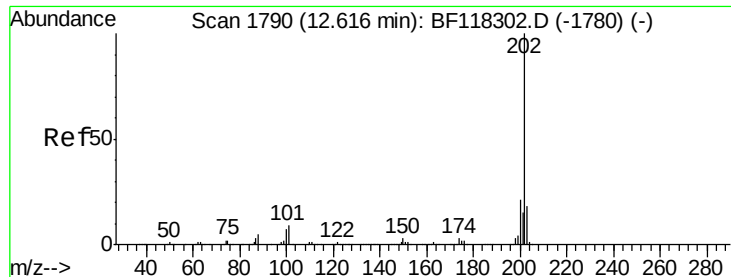
#71
 Phenanthrene
 Concen: 3.194 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF118390.D
 Acq: 30 Dec 2019 19:33

Tgt Ion:178 Resp: 87897
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 15.9 12.6 19.0



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

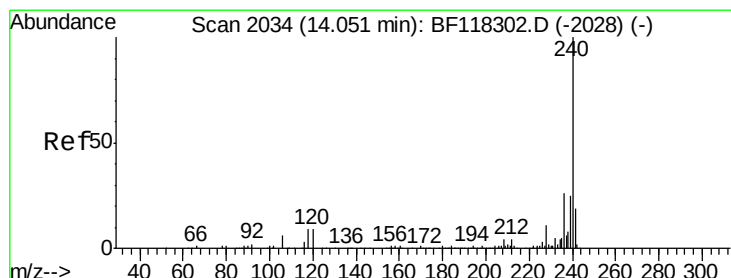
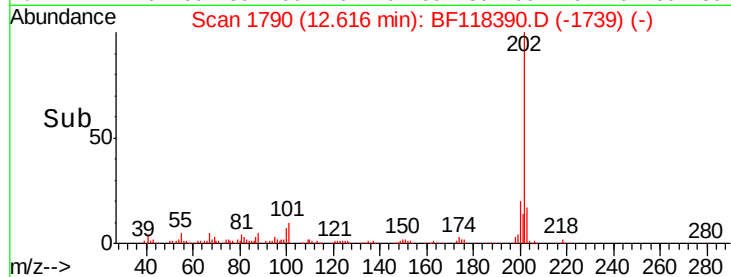
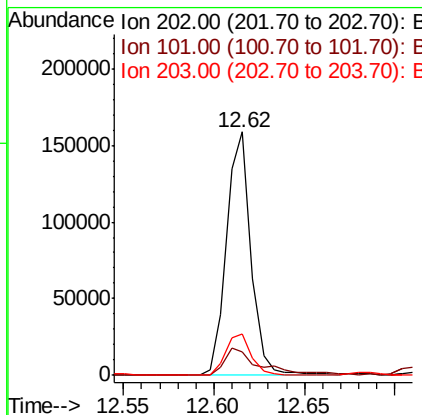
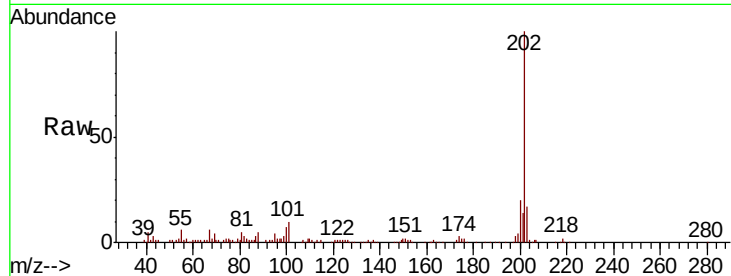




#75
 Fluoranthene
 Concen: 5.365 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: BF118390.D
 Acq: 30 Dec 2019 19:33

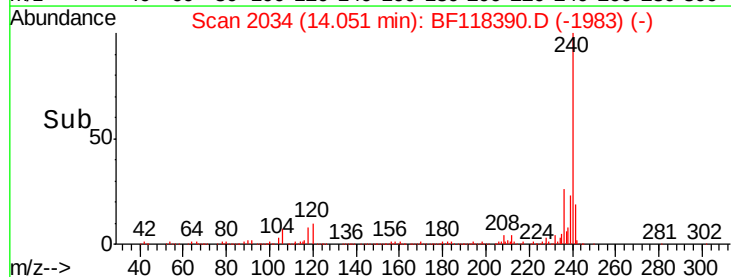
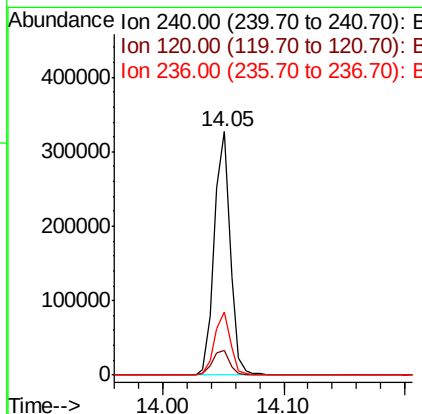
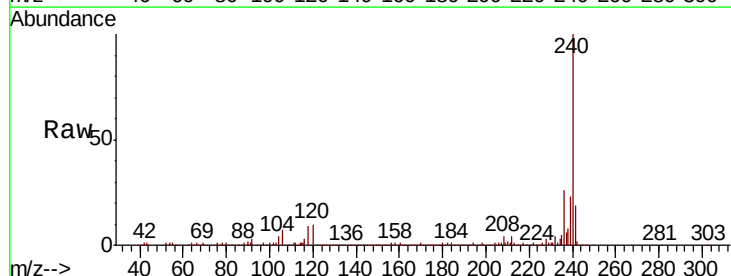
Instrument :
 BNA_F
 ClientSampleId :

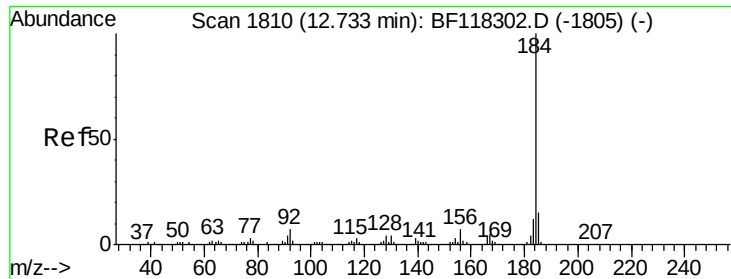
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.5
203	16.7	0.0	37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF118390.D
 Acq: 30 Dec 2019 19:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.1	10.7
236	25.9	21.0	31.6





#77

Benzidine

Concen: 2.509 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

Instrument :

BNA_F

ClientSampleId :

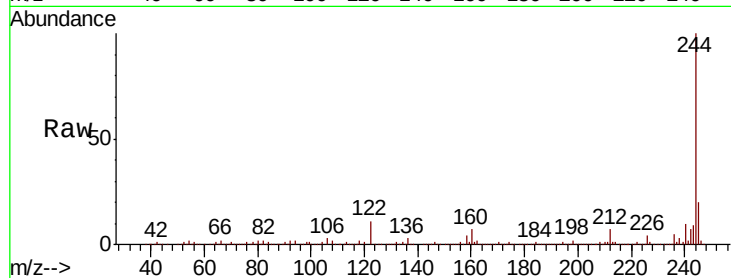
Tot Ion:184 Resp: 20283

Ion Ratio Lower Upper

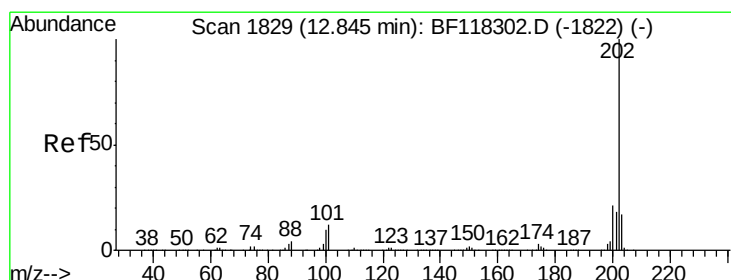
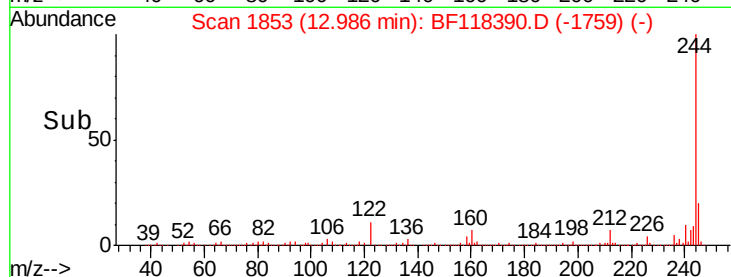
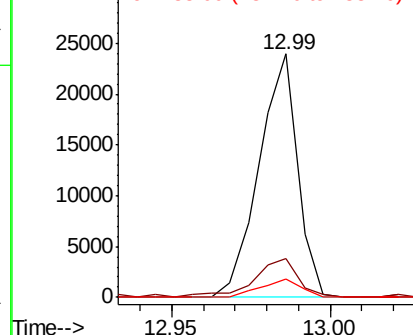
184 100

185 15.8 12.3 18.5

183 7.6 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 4.894 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

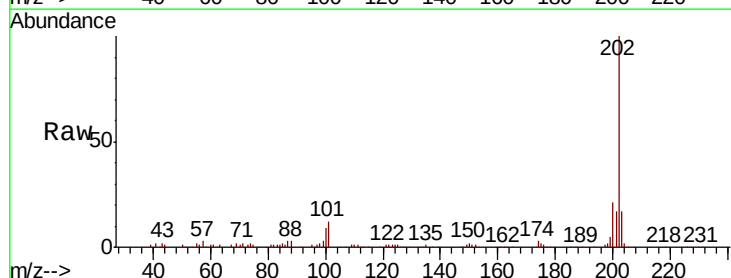
Tgt Ion:202 Resp: 117926

Ion Ratio Lower Upper

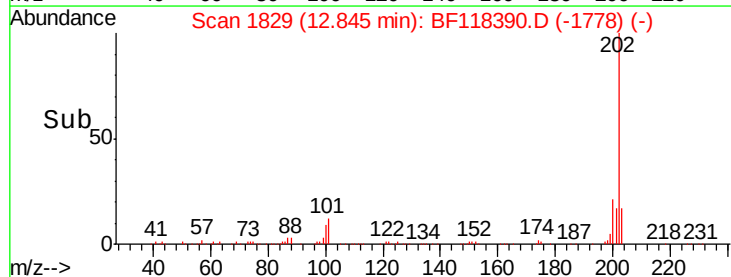
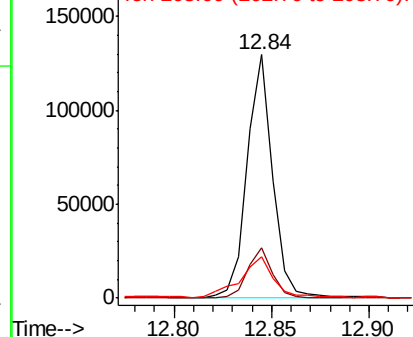
202 100

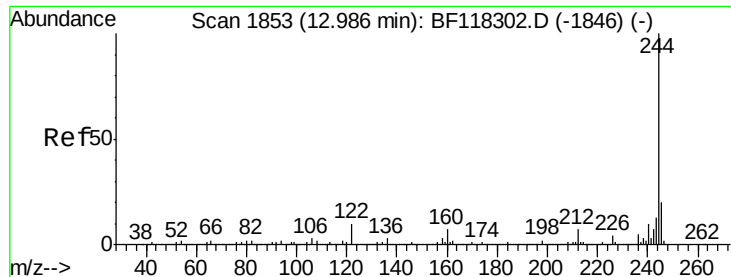
200 20.9 16.8 25.2

203 17.2 13.9 20.9



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: 80.977 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

Instrument :

BNA_F

ClientSampleId :

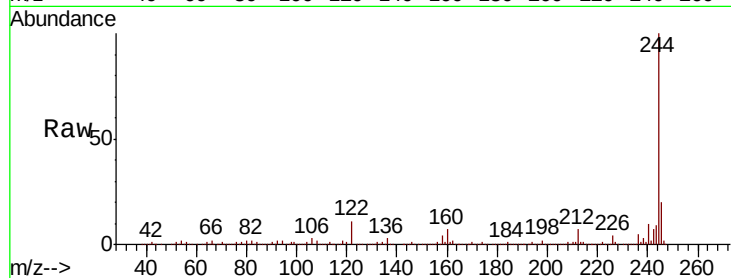
Tot Ion:244 Resp: 1440142

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

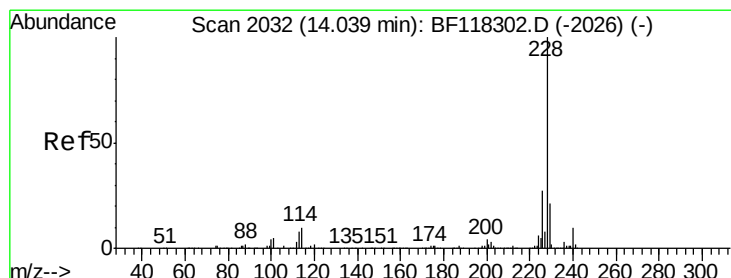
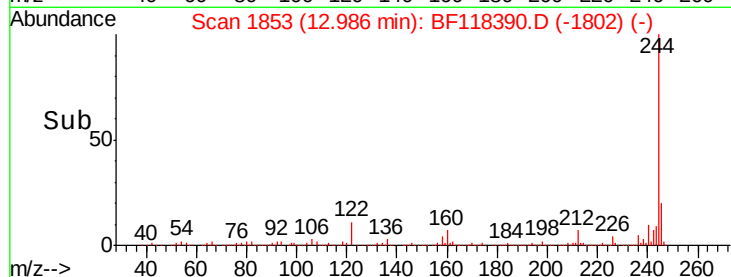
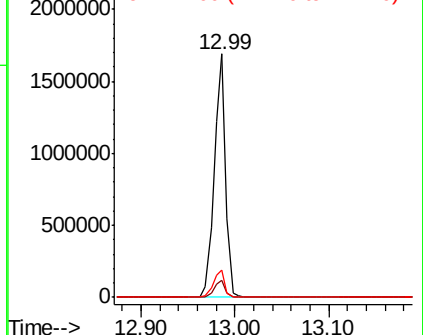
122 11.0 7.8 11.8



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: 2.238 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

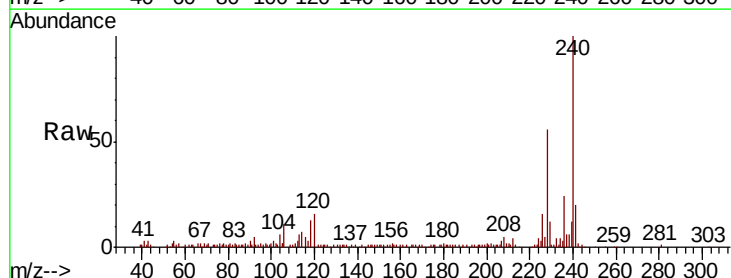
Tgt Ion:228 Resp: 46228

Ion Ratio Lower Upper

228 100

226 28.7 22.0 33.0

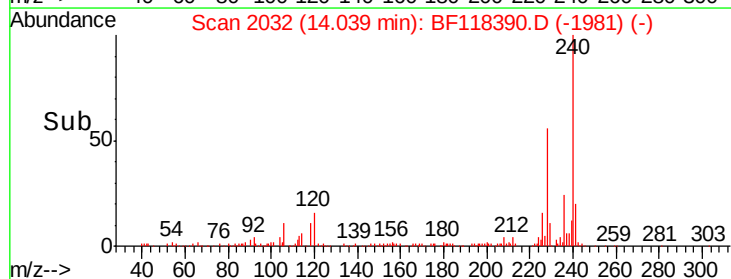
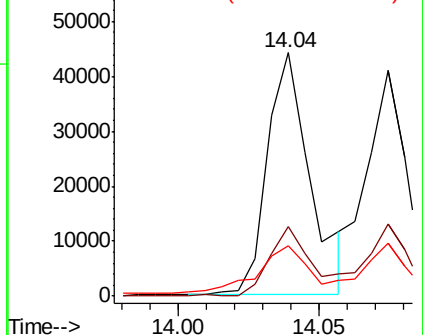
229 20.6 16.6 24.8

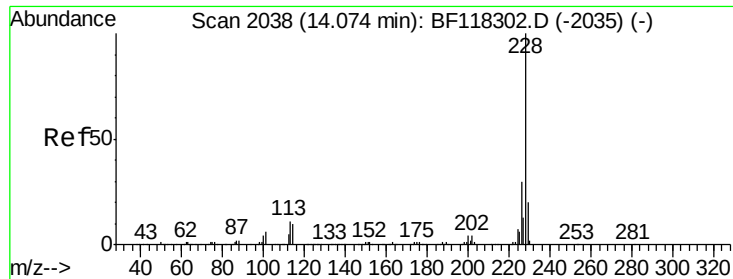


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.064 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

Instrument :

BNA_F

ClientSampled :

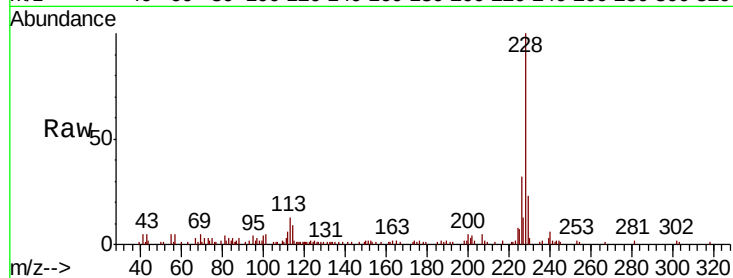
Tot Ion:228 Resp: 40821

Ion Ratio Lower Upper

228 100

226 31.9 23.9 35.9

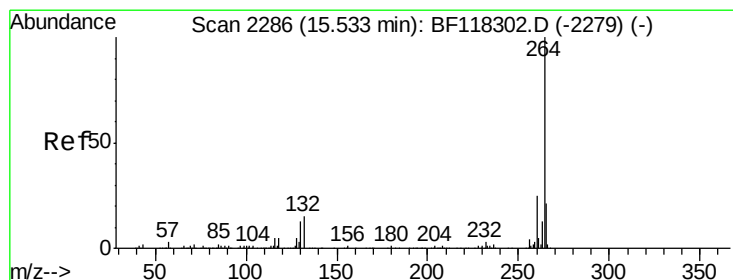
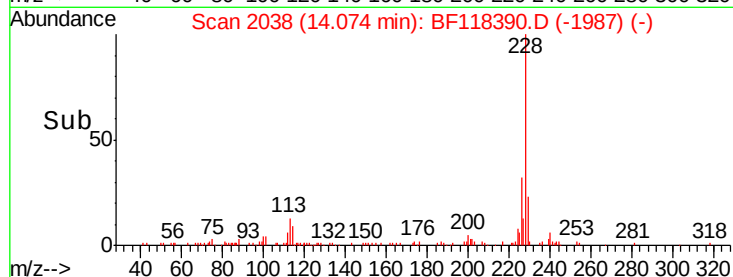
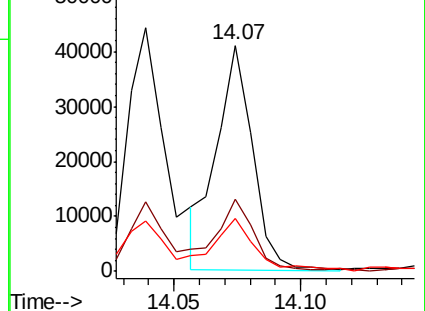
229 23.2 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF118390.D

Acq: 30 Dec 2019 19:33

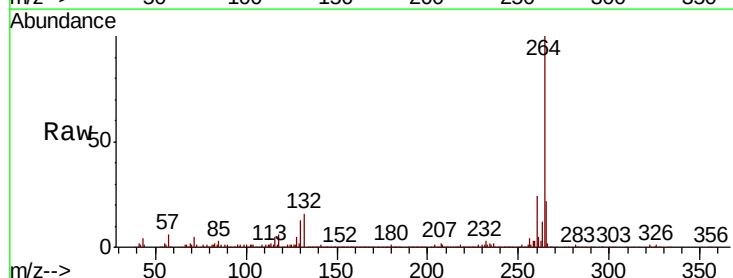
Tgt Ion:264 Resp: 322463

Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

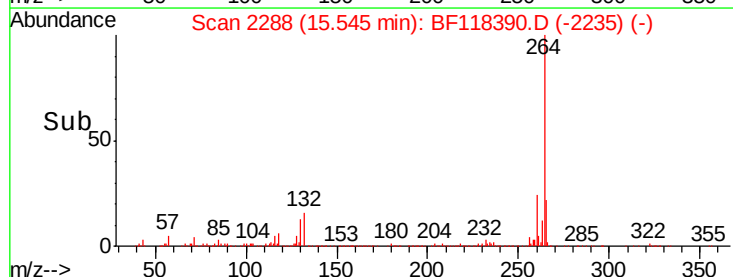
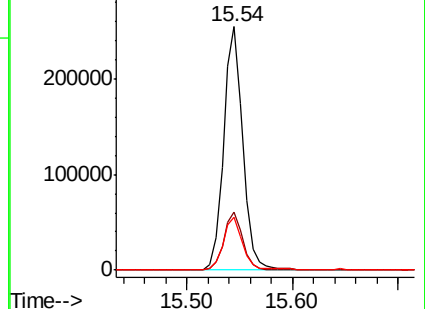
265 21.9 17.0 25.4

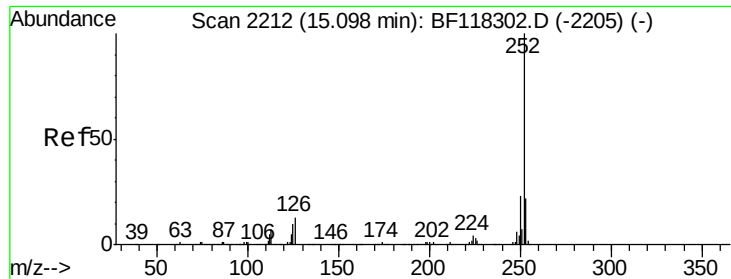


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

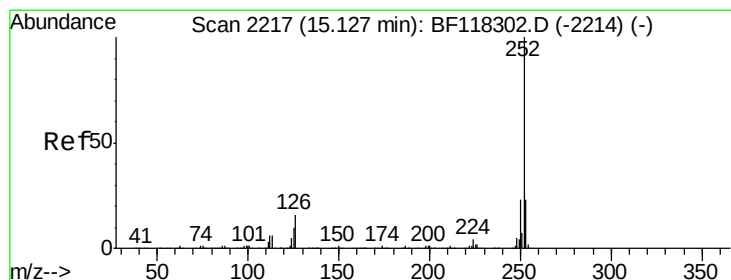
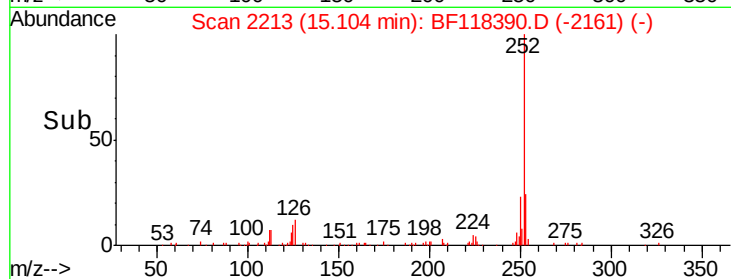
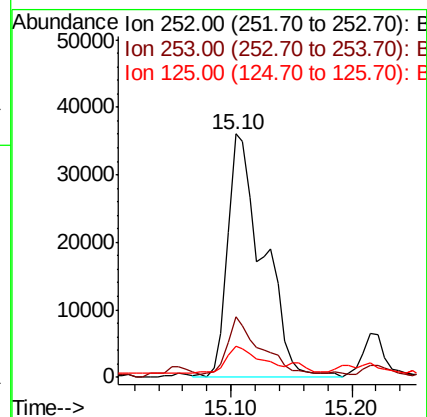
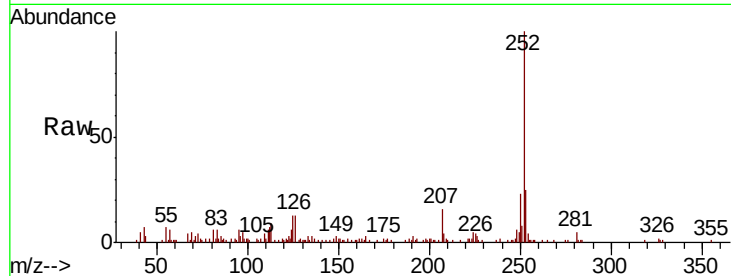




#88
Benzo(b)fluoranthene
Concen: 3.426 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 73334
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 12.6 7.7 11.5#



#89
Benzo(k)fluoranthene
Concen: 3.568 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118390.D
Acq: 30 Dec 2019 19:33

Tgt Ion:252 Resp: 73334
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 12.6 8.0 12.0#

