

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118403.D
 Acq On : 31 Dec 2019 14:12
 Operator : JU
 Sample : K6465-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:32:17 2020
 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	97307	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	373904	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	210764	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	408429	20.00	ng	0.00
76) Chrysene-d12	14.05	240	283142	20.00	ng	0.00
87) Perylene-d12	15.54	264	257126	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	596313	104.61	ng	0.01
7) Phenol-d6	6.49	99	744354	105.26	ng	0.00
23) Nitrobenzene-d5	7.42	82	455409	69.66	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	262959	101.03	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	866815	62.78	ng	0.00
79) Terphenyl-d14	12.99	244	984931	57.71	ng	0.00

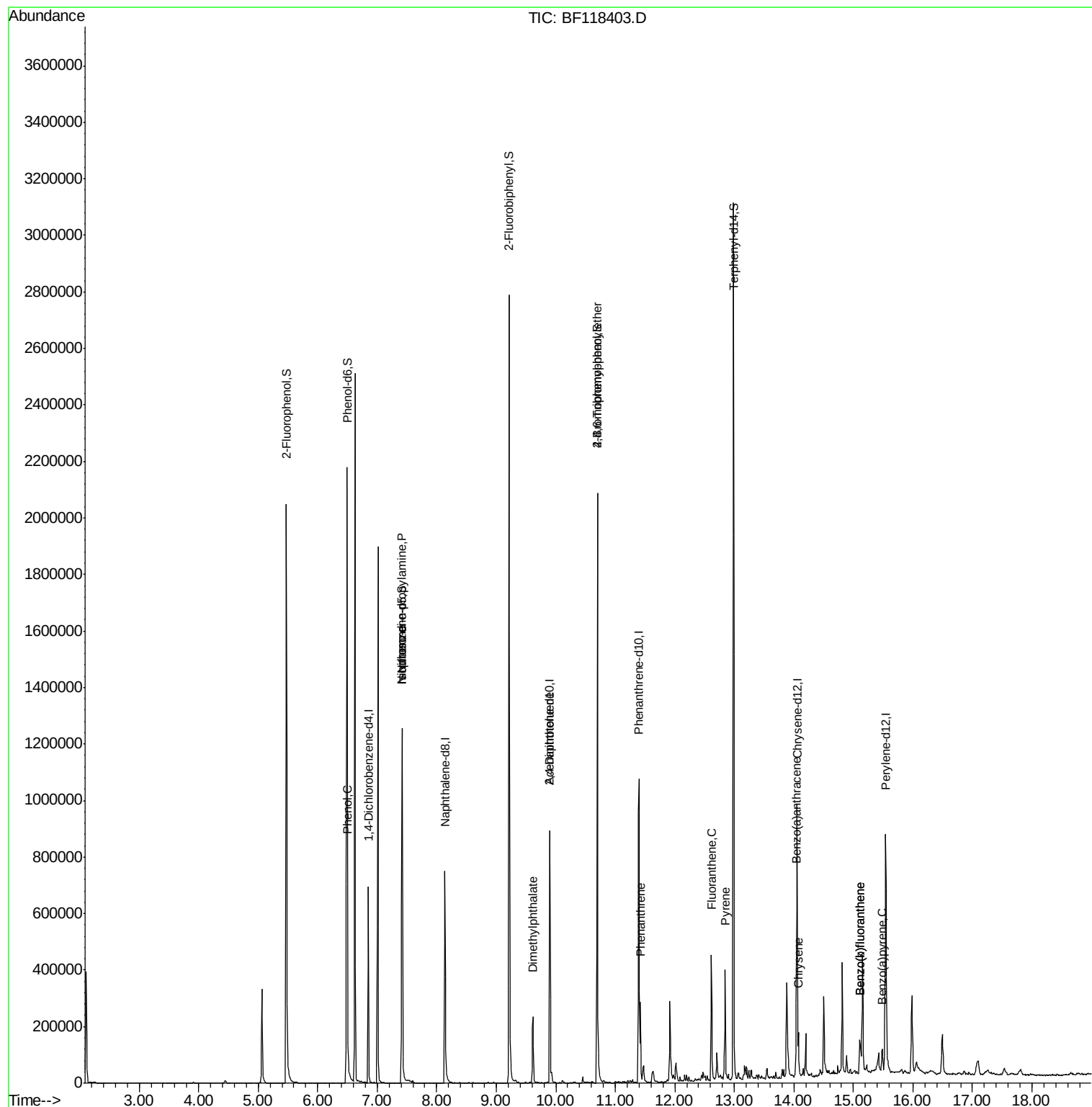
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	26373	3.318	ng	83
19) n-Nitroso-di-n-propylamine	7.42	70	63070	14.478	ng	# 77
25) Isophorone	7.42	82	455405	39.972	ng	# 62
50) Dimethylphthalate	9.62	163	121264	7.665	ng	98
57) 2,4-Dinitrotoluene	9.90	165	25824	5.666	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	16541	3.461	ng	# 1
71) Phenanthrene	11.42	178	114084	5.124	ng	98
75) Fluoranthene	12.62	202	161525	7.188	ng	97
78) Pyrene	12.84	202	141944	6.139	ng	99
81) Benzo(a)anthracene	14.04	228	68273	3.445	ng	97
83) Chrysene	14.08	228	60429	3.184	ng	96
88) Benzo(b)fluoranthene	15.11	252	85839	5.029	ng	# 98
89) Benzo(k)fluoranthene	15.11	252	85839	5.238	ng	# 97
90) Benzo(a)pyrene	15.49	252	41623	2.768	ng	95

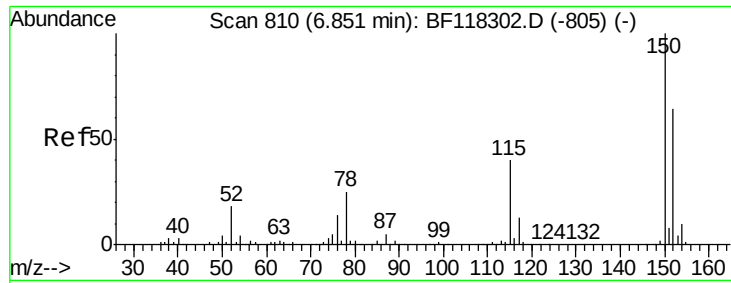
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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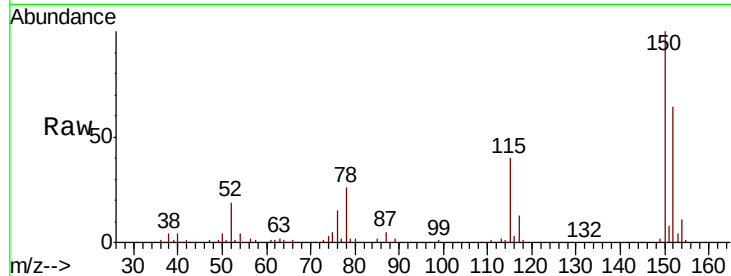


#1

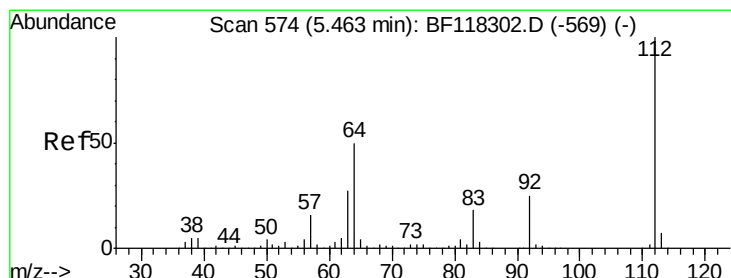
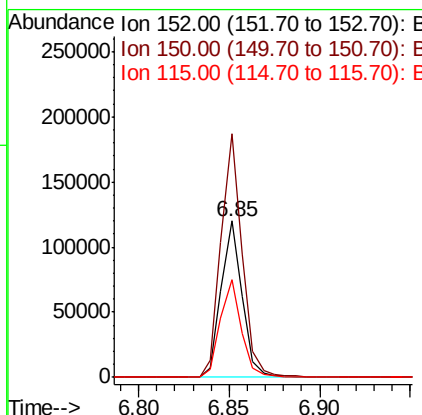
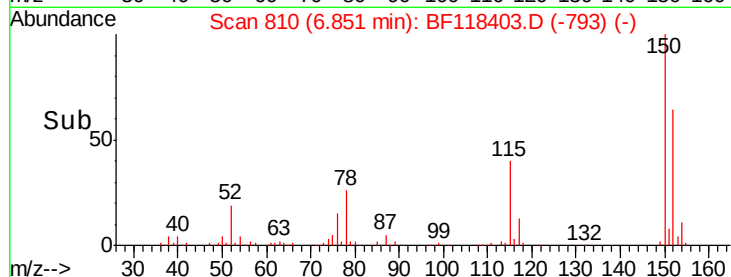
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97307
Ion Ratio Lower Upper
152 100
150 155.9 125.4 188.2
115 62.6 50.2 75.4



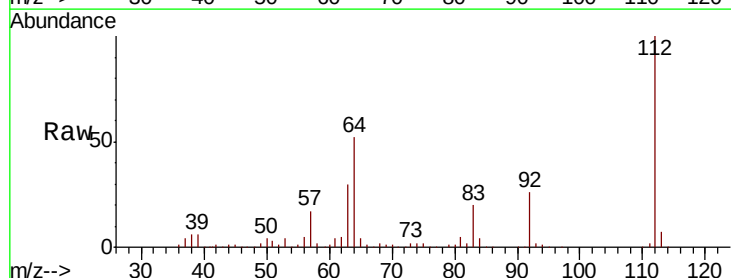
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



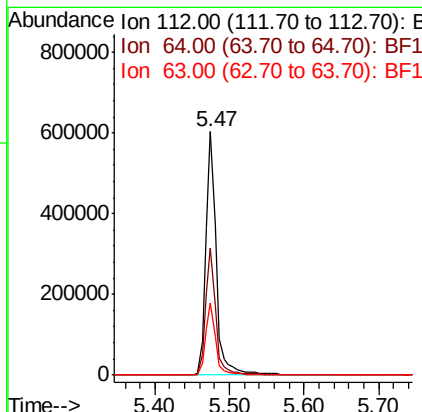
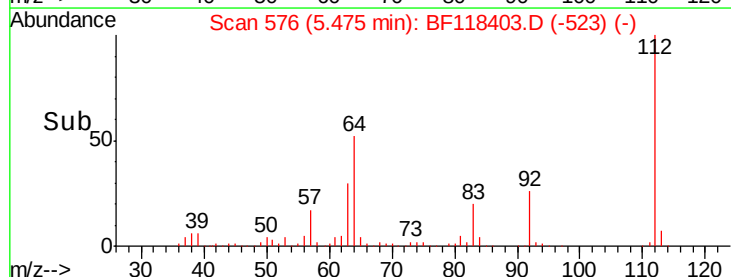
#5

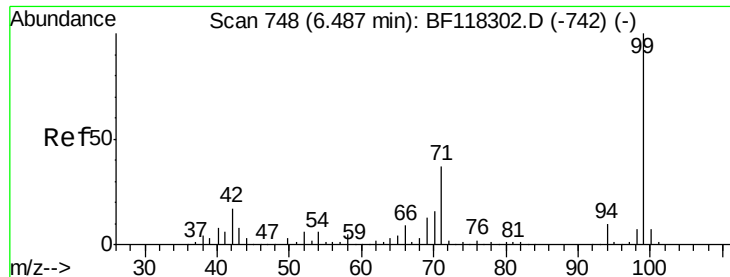
2-Fluorophenol
Concen: 104.607 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion:112 Resp: 596313
Ion Ratio Lower Upper
112 100
64 52.2 39.7 59.5
63 29.6 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: 105.259 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118403.D

Acq: 31 Dec 2019 14:12

Instrument :

BNA_F

ClientSampled :

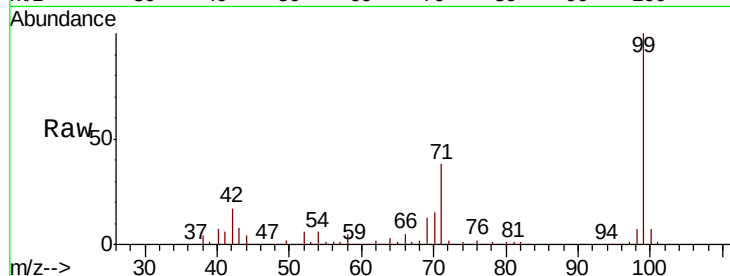
Tot Ion: 99 Resp: 744354

Ion Ratio Lower Upper

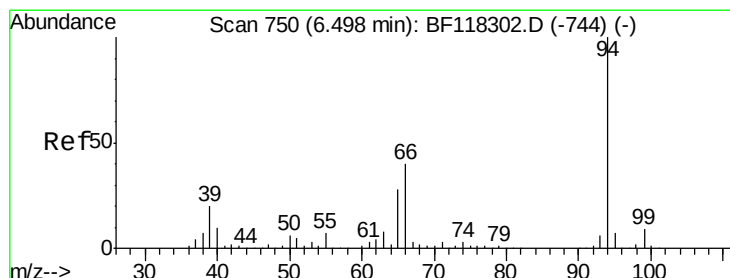
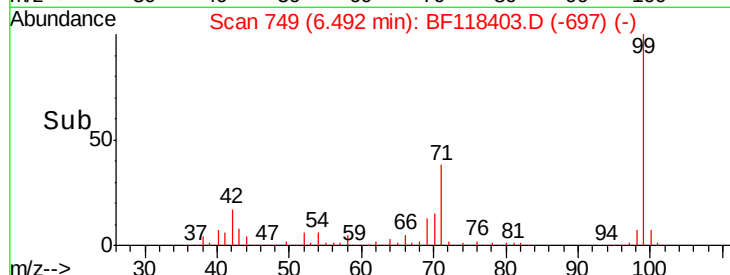
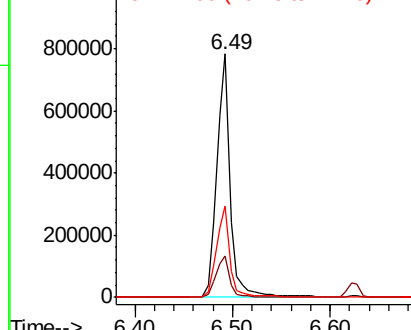
99 100

42 17.2 13.5 20.3

71 37.5 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.318 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118403.D

Acq: 31 Dec 2019 14:12

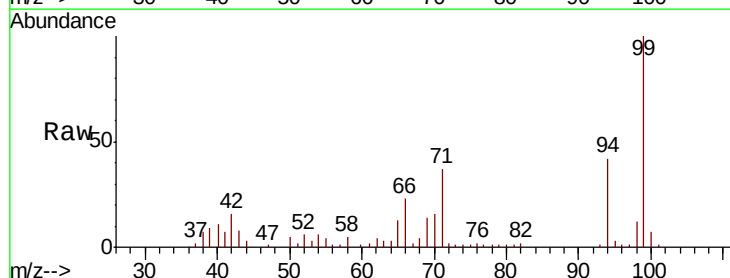
Tgt Ion: 94 Resp: 26373

Ion Ratio Lower Upper

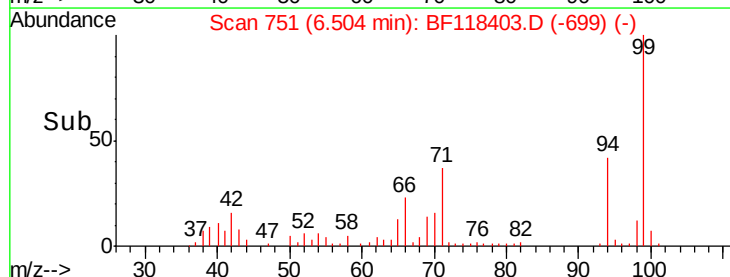
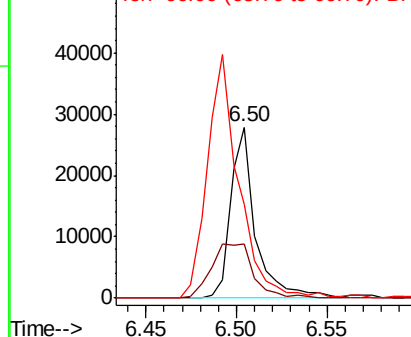
94 100

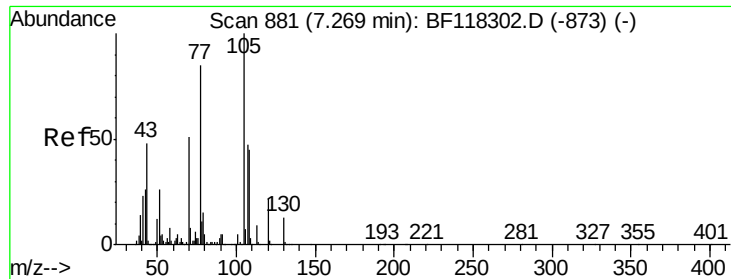
65 31.7 7.8 47.8

66 54.8 20.4 60.4



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

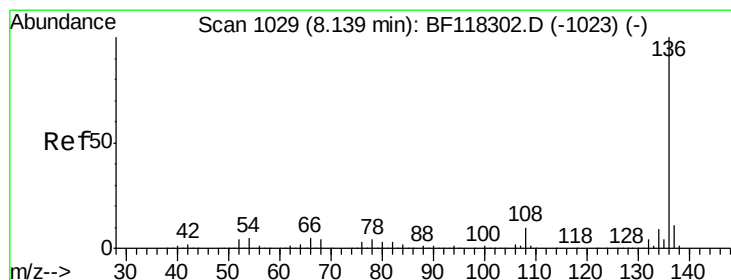
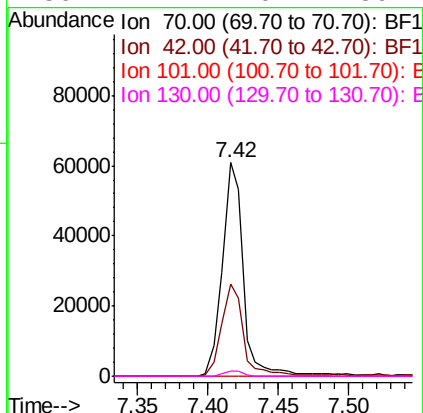
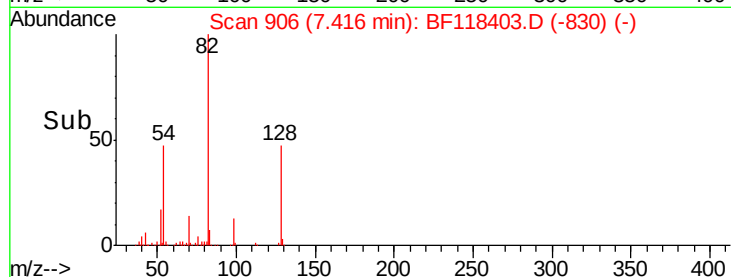
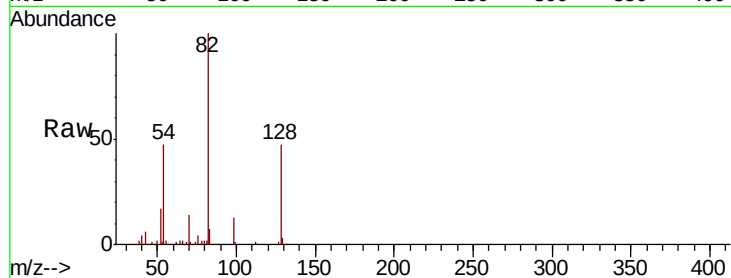




#19
n-Nitroso-di-n-propylamine
Concen: 14.478 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

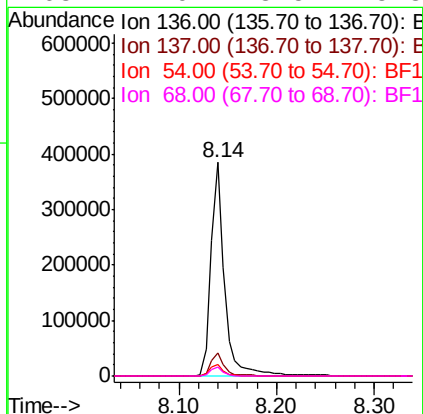
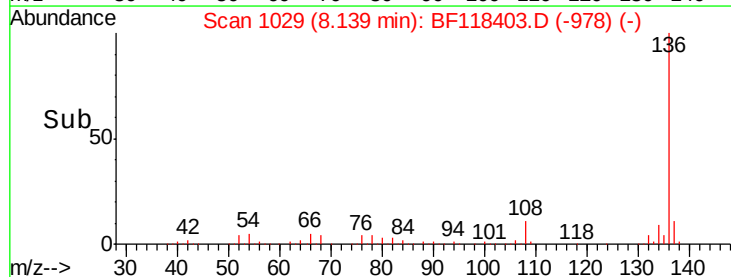
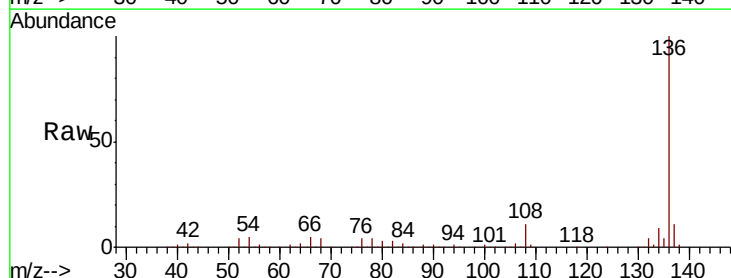
Instrument :
BNA_F
ClientSampleId :

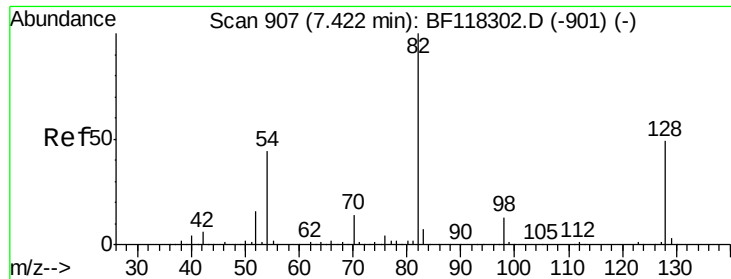
Tot Ion: 70 Resp: 63070
Ion Ratio Lower Upper
70 100
42 43.4 41.1 61.7
101 0.0 8.3 12.5#
130 2.2 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion:136 Resp: 373904
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 5.1 4.2 6.4
68 4.0 3.5 5.3

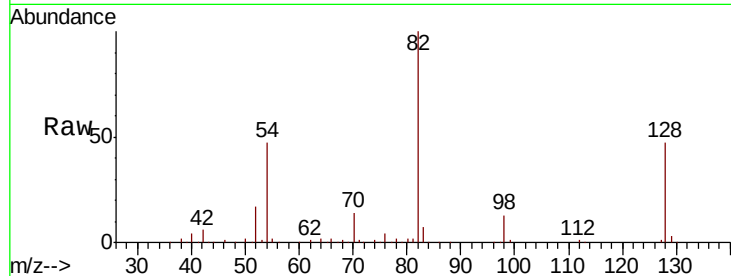




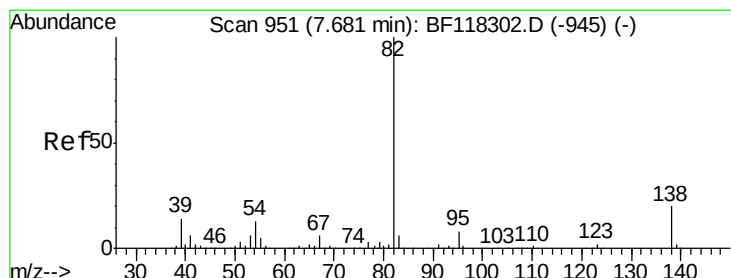
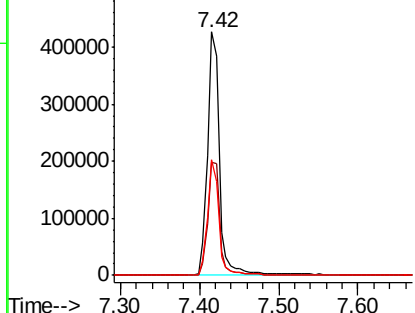
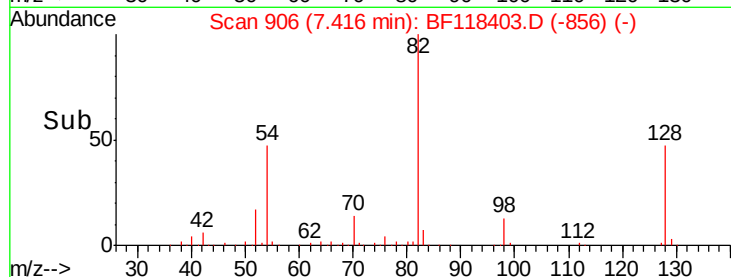
#23
Nitrobenzene-d5
Concen: 69.662 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 455409
Ion Ratio Lower Upper
82 100
128 46.5 39.6 59.4
54 47.2 34.9 52.3

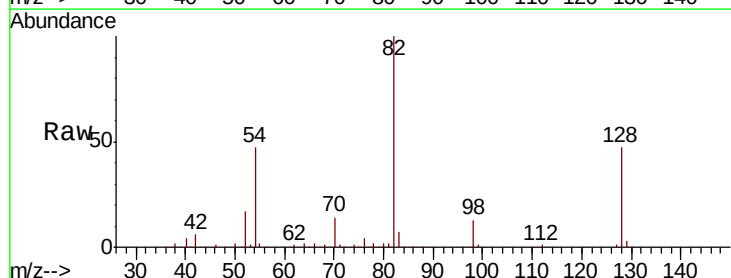


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

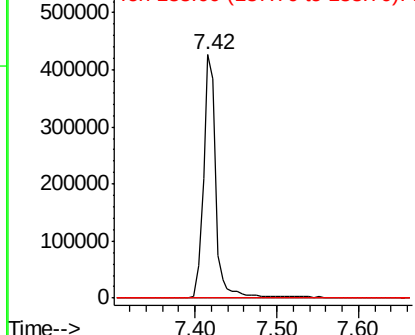
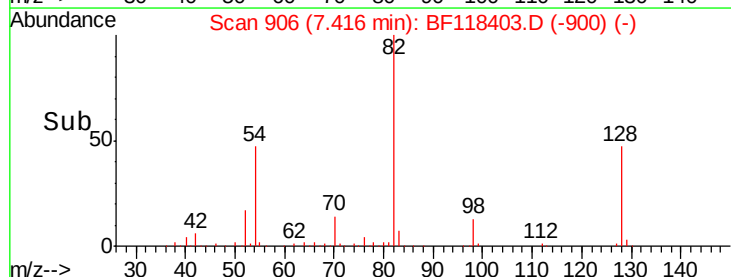


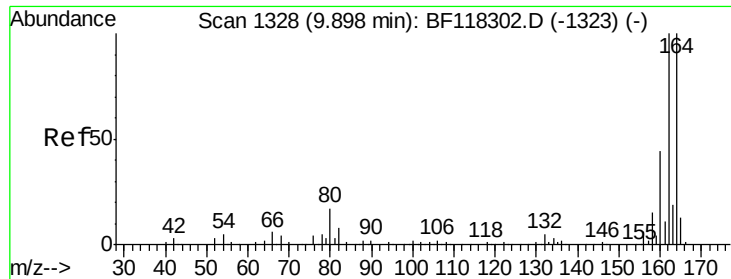
#25
Isophorone
Concen: 39.972 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion: 82 Resp: 455405
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

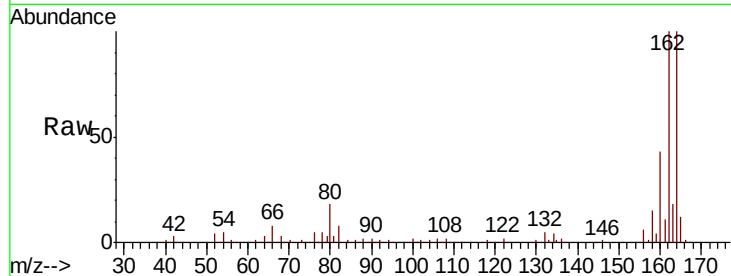




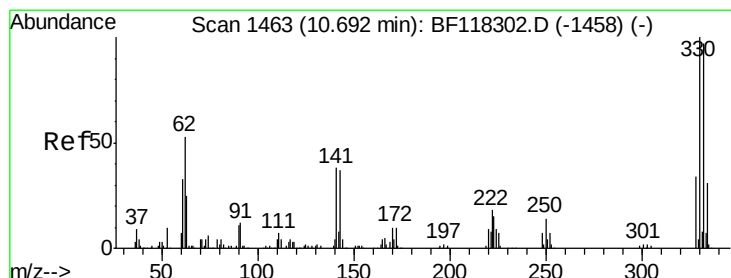
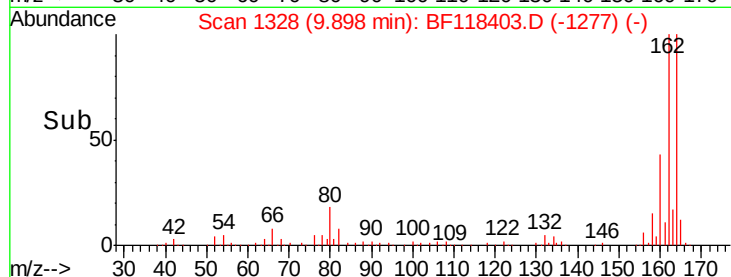
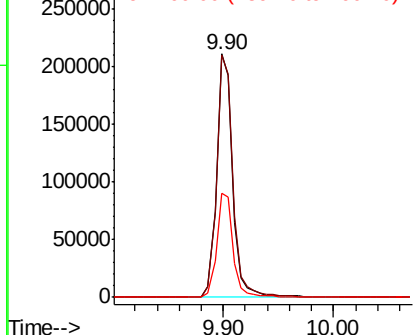
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 210764
Ion Ratio Lower Upper
164 100
162 99.6 80.0 120.0
160 42.9 34.8 52.2

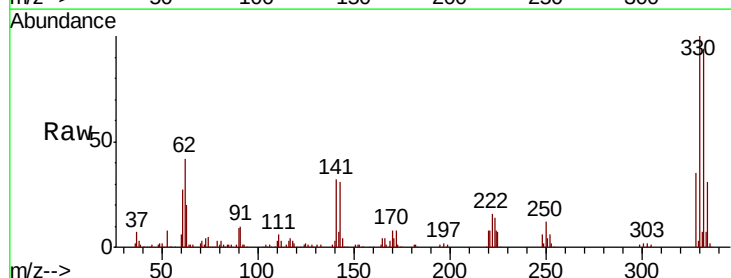


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

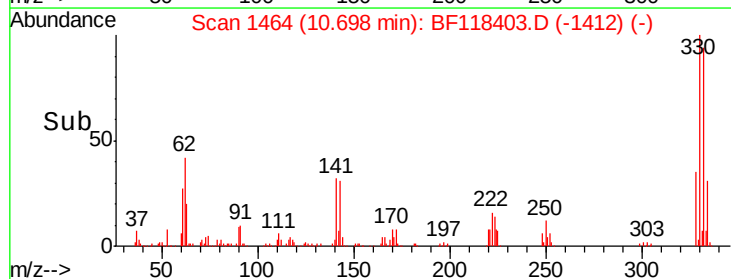
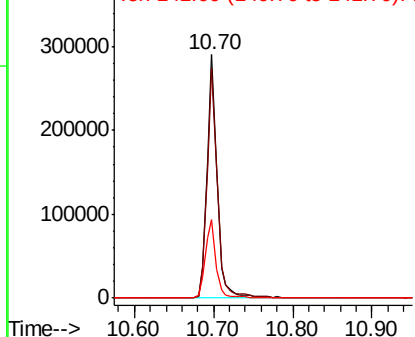


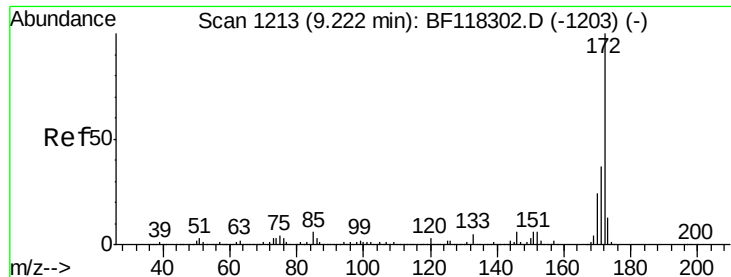
#42
2,4,6-Tribromophenol
Concen: 101.030 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion:330 Resp: 262959
Ion Ratio Lower Upper
330 100
332 95.6 76.6 114.8
141 33.9 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

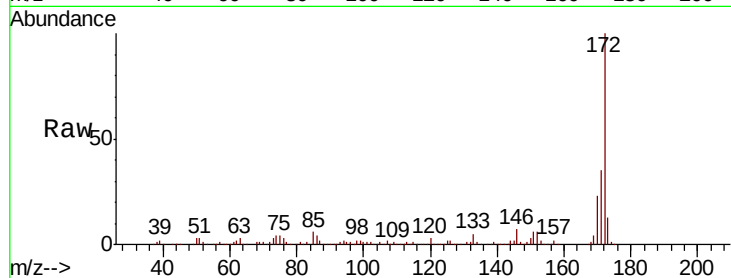




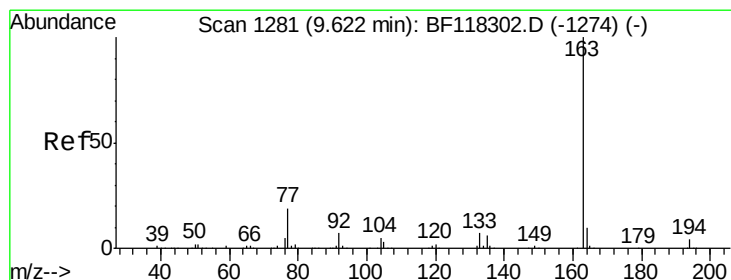
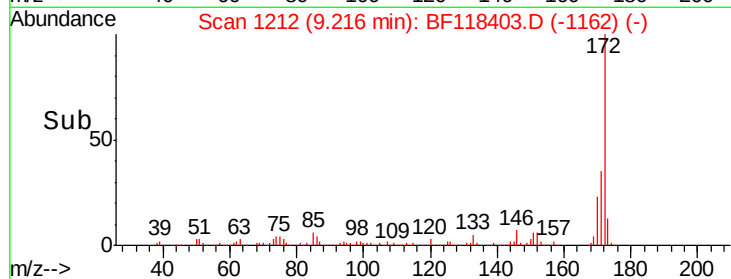
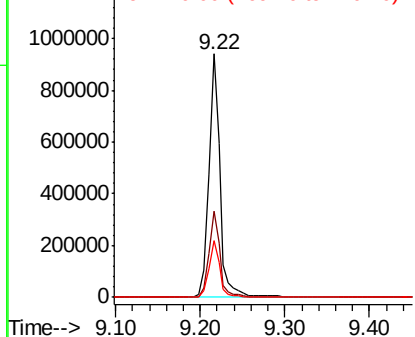
#45
2-Fluorobiphenyl
Concen: 62.780 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 866815
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 23.4 19.2 28.8

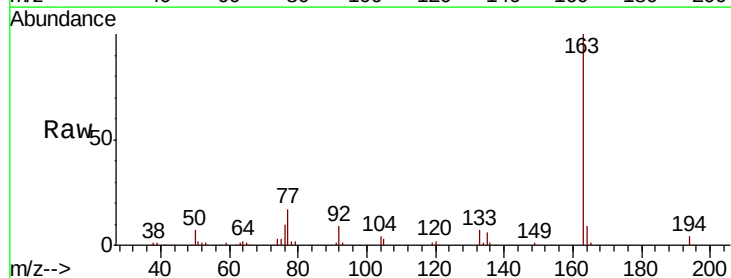


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

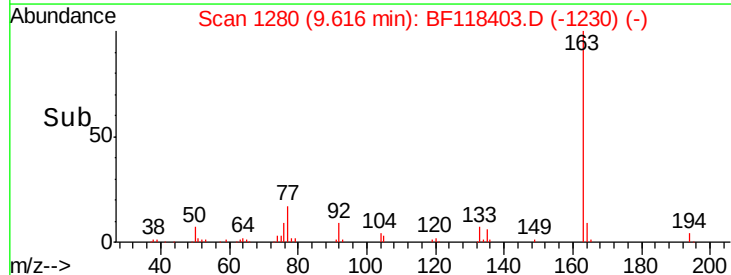
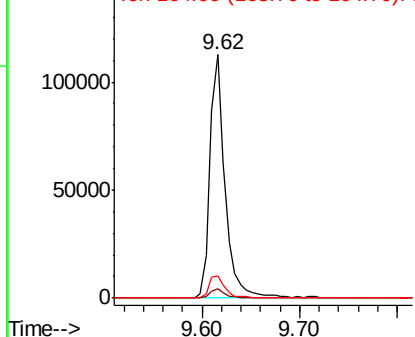


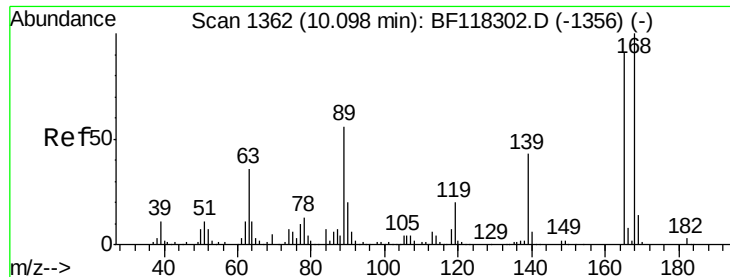
#50
Dimethylphthalate
Concen: 7.665 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion:163 Resp: 121264
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.2 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

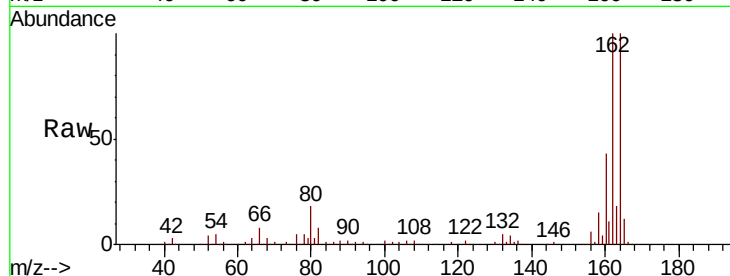




#57
 2,4-Dinitrotoluene
 Concen: 5.666 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118403.D
 Acq: 31 Dec 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	32.0	48.0#
89	1.4	49.3	73.9#
182	0.0	2.4	3.6#

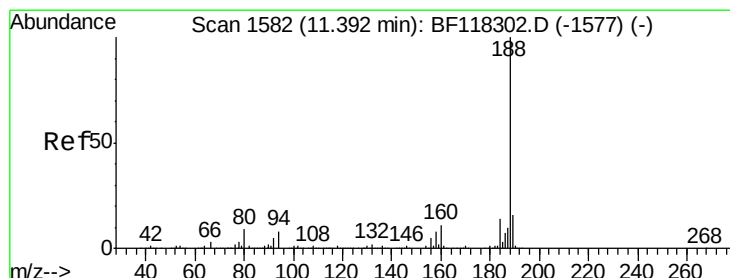
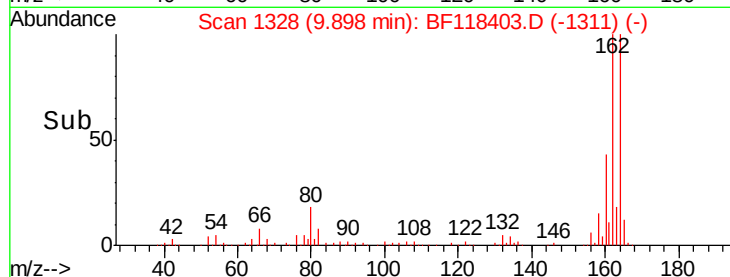
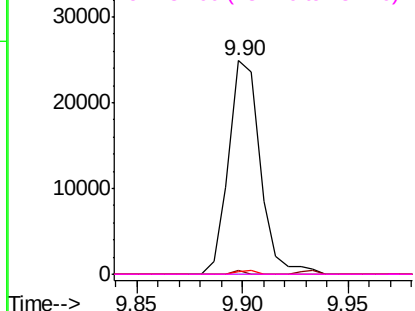


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

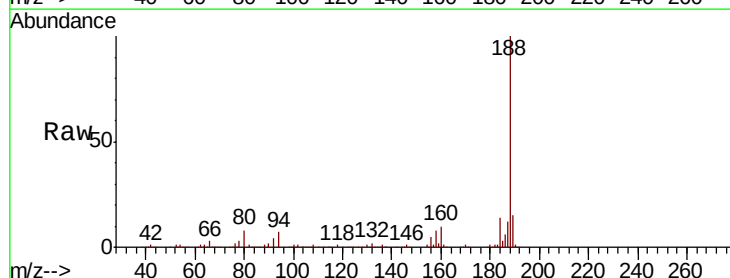
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF118403.D
 Acq: 31 Dec 2019 14:12

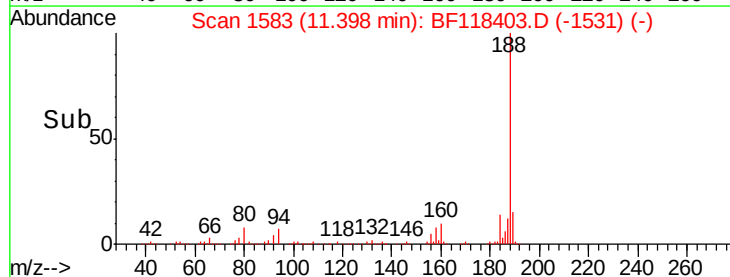
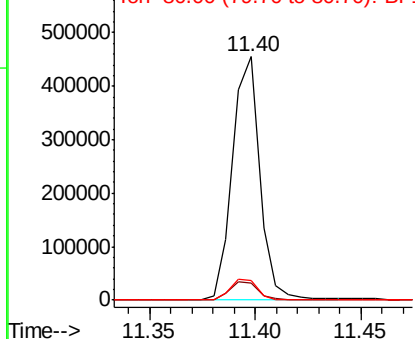
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.7	10.1
80	8.0	7.2	10.8

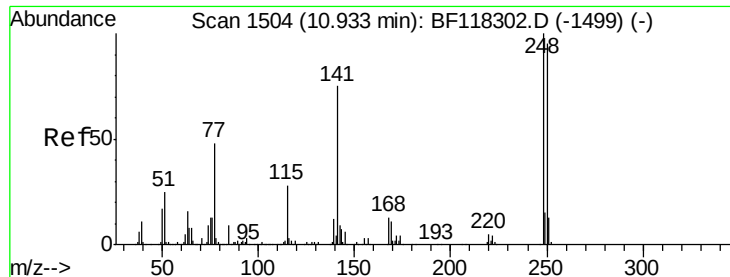


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

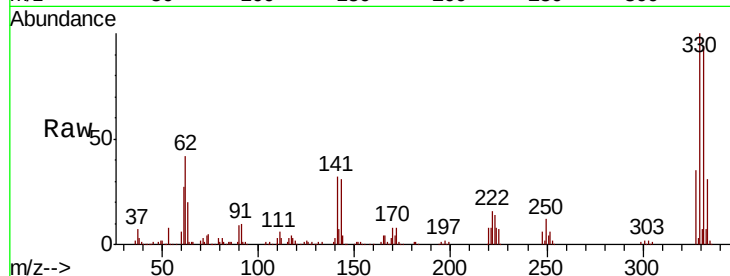




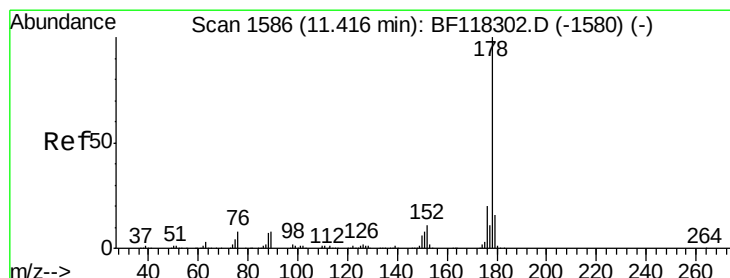
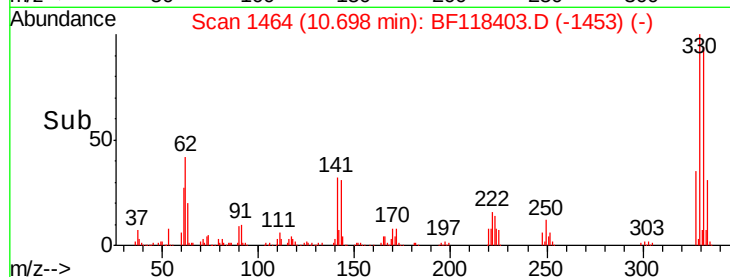
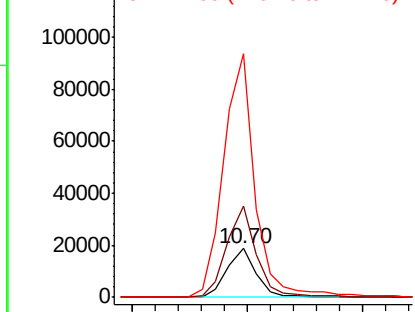
#67
 4-Bromophenyl-phenylether
 Concen: 3.461 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF118403.D
 Acq: 31 Dec 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16541
 Ion Ratio Lower Upper
 248 100
 250 186.4 76.4 114.6#
 141 499.7 60.2 90.2#

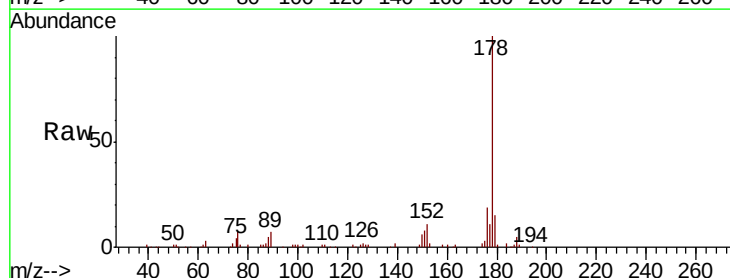


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

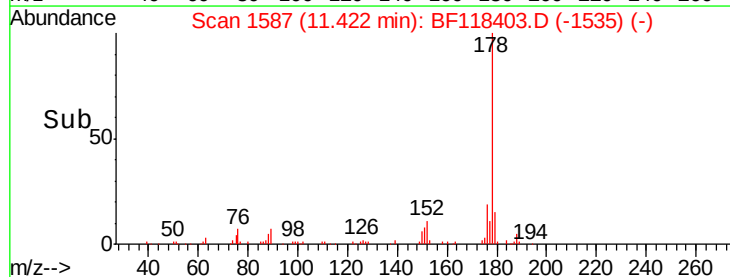
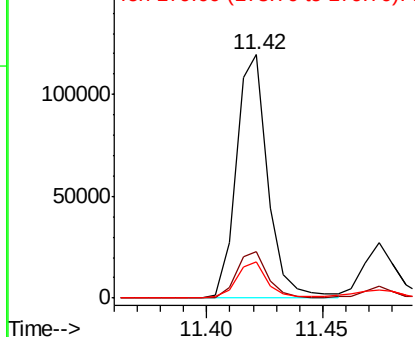


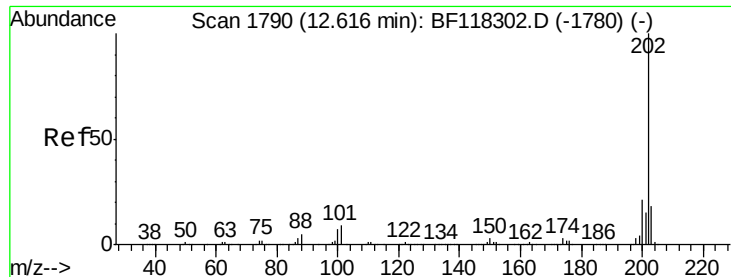
#71
 Phenanthrene
 Concen: 5.124 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF118403.D
 Acq: 31 Dec 2019 14:12

Tgt Ion:178 Resp: 114084
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 14.6 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: 7.188 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118403.D

Acq: 31 Dec 2019 14:12

Instrument :

BNA_F

ClientSampled :

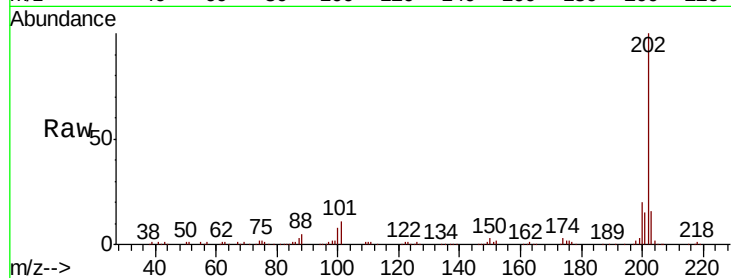
Tot Ion:202 Resp: 161525

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.5

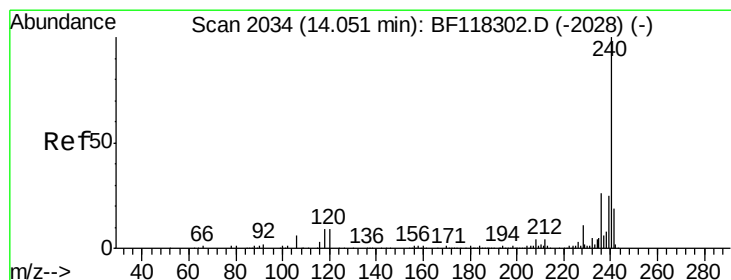
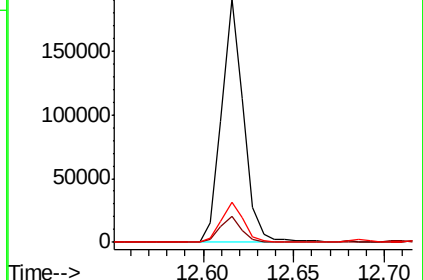
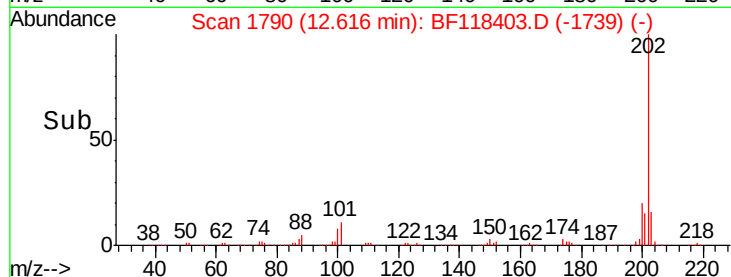
203 16.3 0.0 37.6



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118403.D

Acq: 31 Dec 2019 14:12

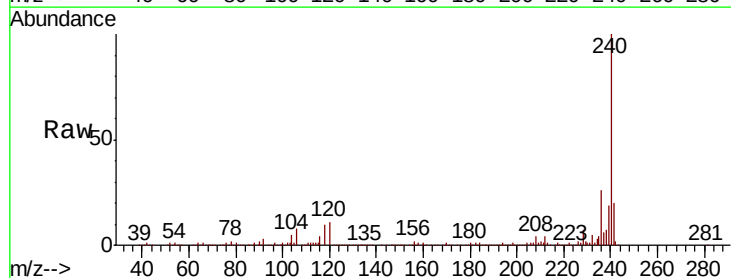
Tgt Ion:240 Resp: 283142

Ion Ratio Lower Upper

240 100

120 10.7 7.1 10.7

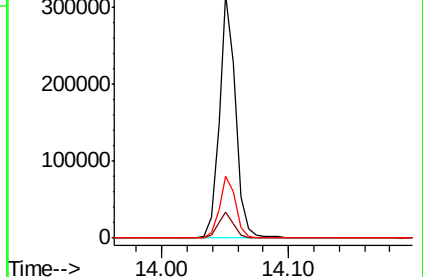
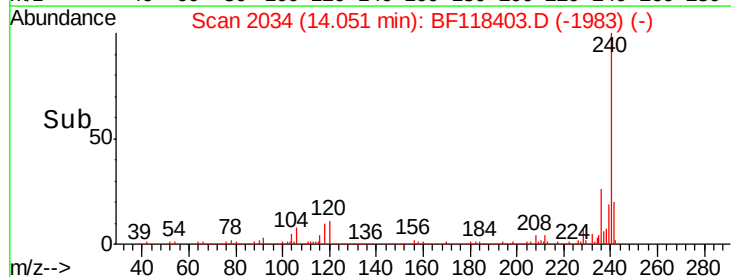
236 25.6 21.0 31.6

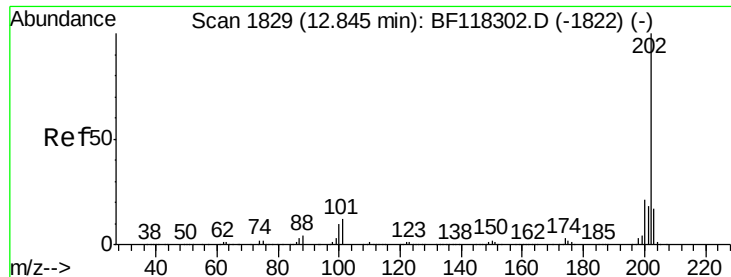


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

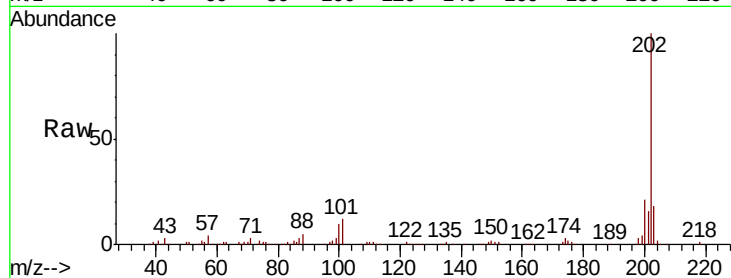




#78
Pvrene
Concen: 6.139 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	17.7	13.9	20.9

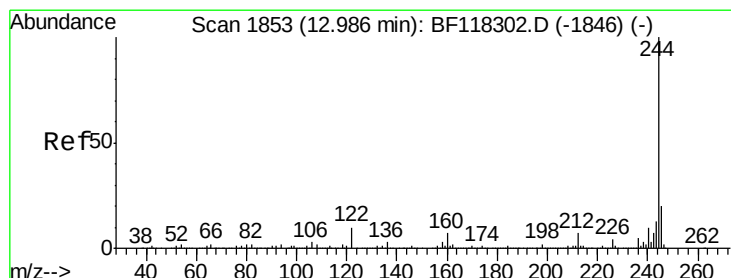
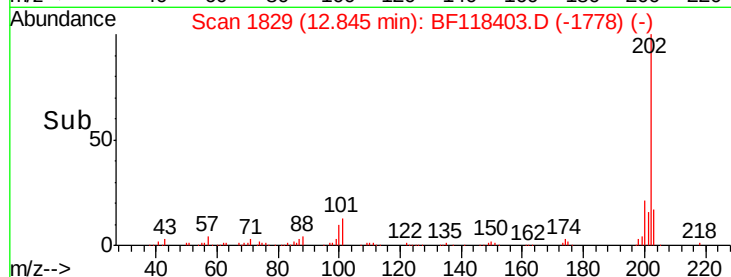
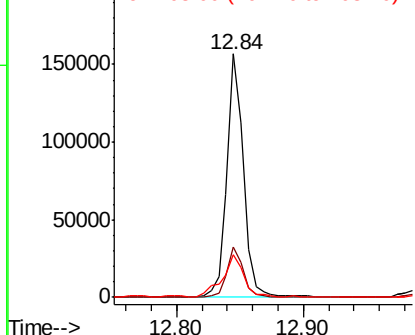


Abundance

Ion 202.00 (201.70 to 202.70): E

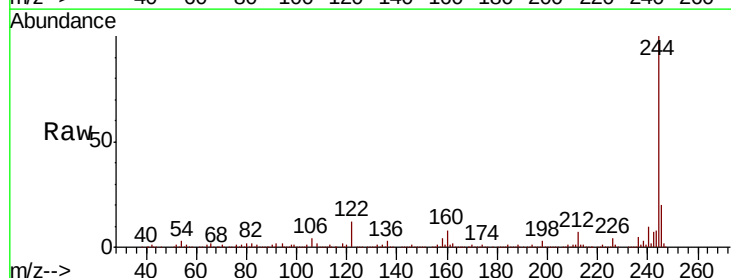
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 57.711 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.6	7.8	11.8

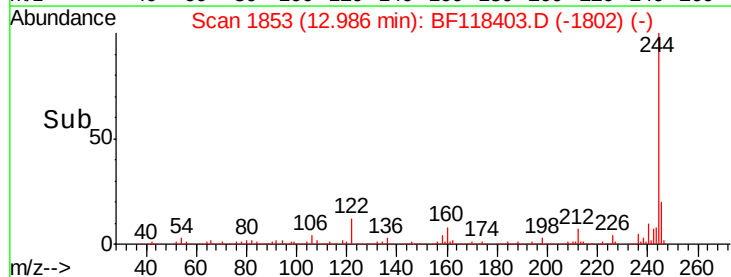
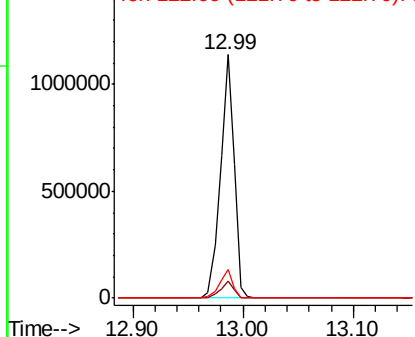


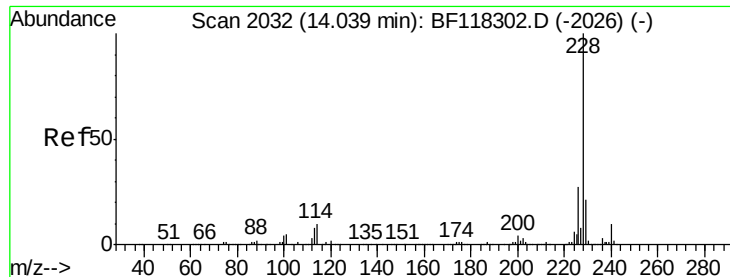
Abundance

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

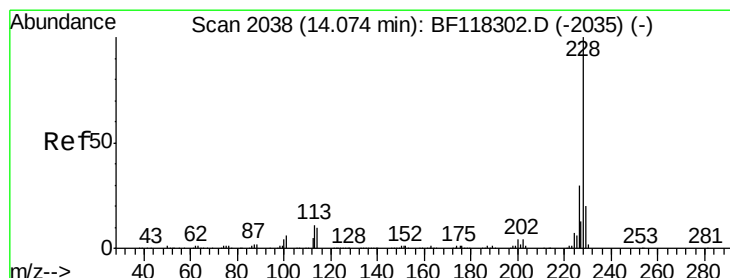
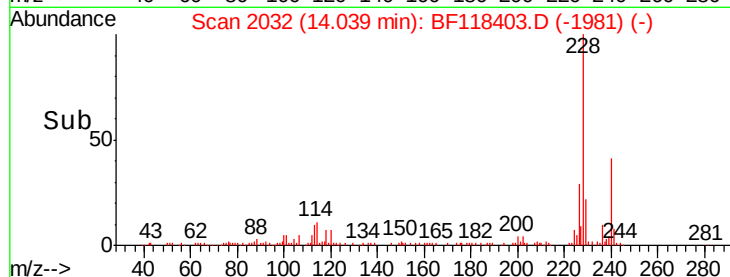
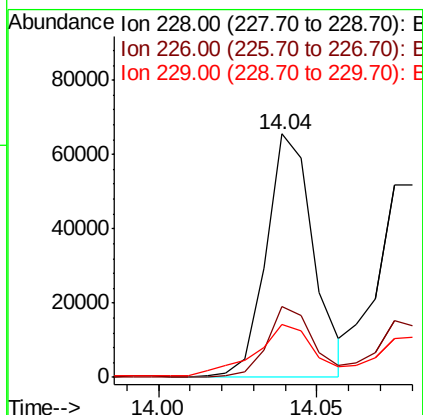
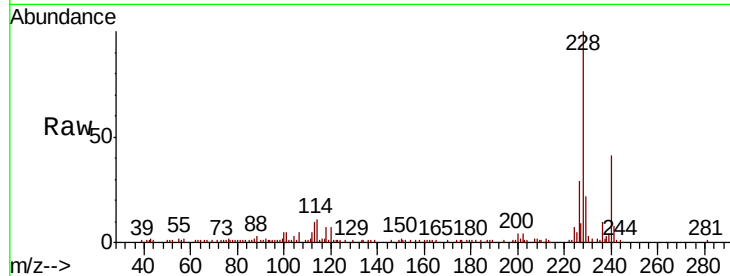




#81
Benzo(a)anthracene
Concen: 3.445 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

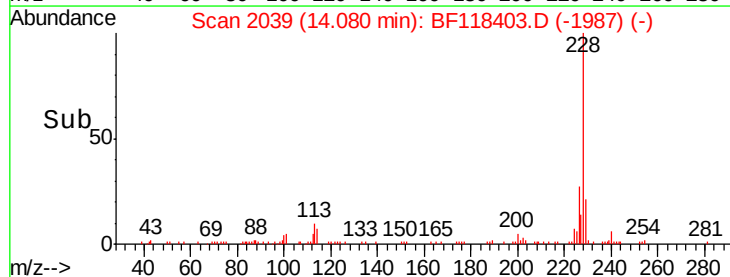
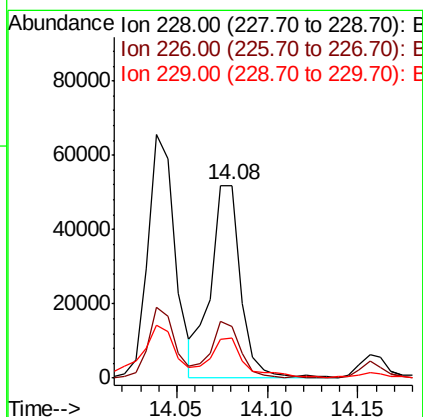
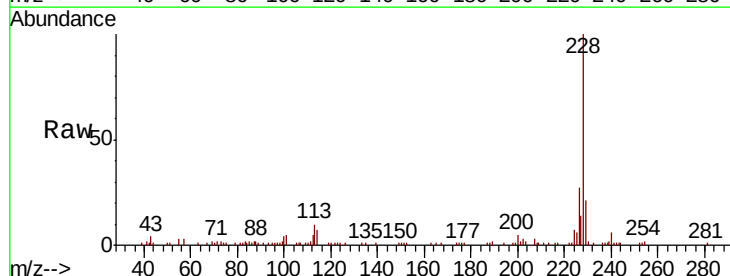
Instrument :
BNA_F
ClientSampleId :

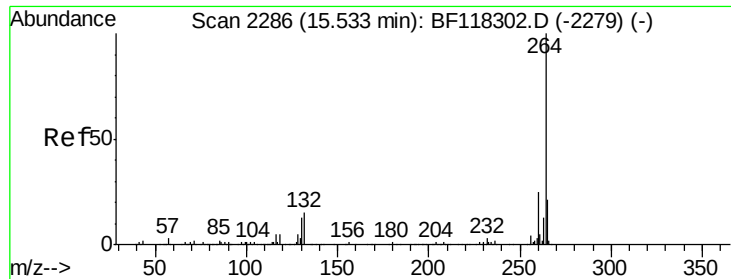
Tot Ion:228 Resp: 68273
Ion Ratio Lower Upper
228 100
226 29.1 22.0 33.0
229 21.8 16.6 24.8



#83
Chrysene
Concen: 3.184 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion:228 Resp: 60429
Ion Ratio Lower Upper
228 100
226 26.6 23.9 35.9
229 21.0 16.1 24.1

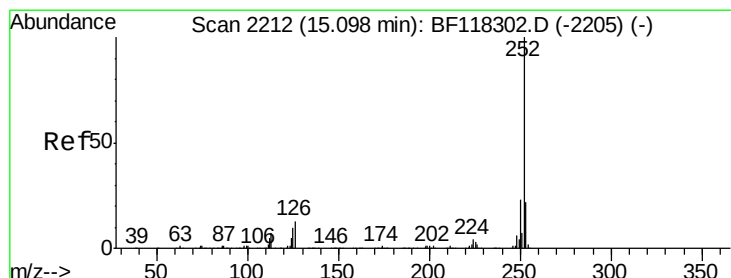
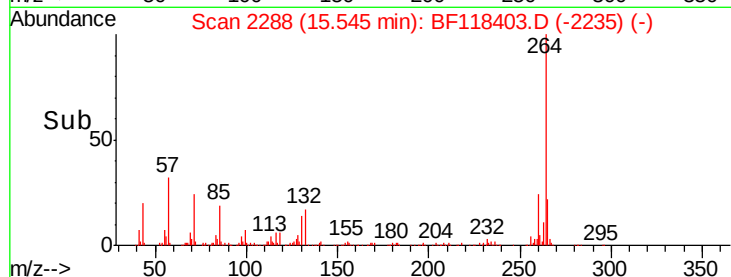
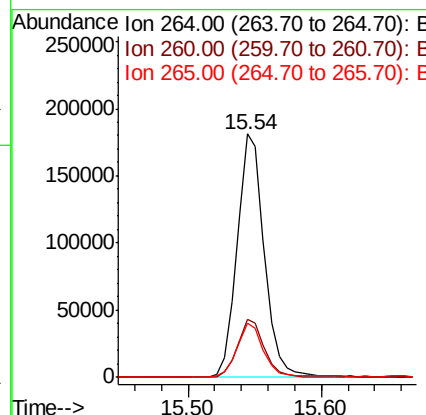
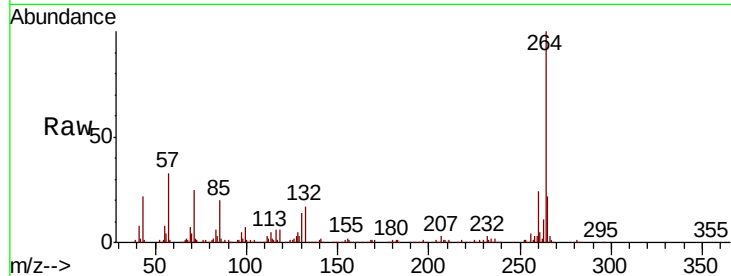




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

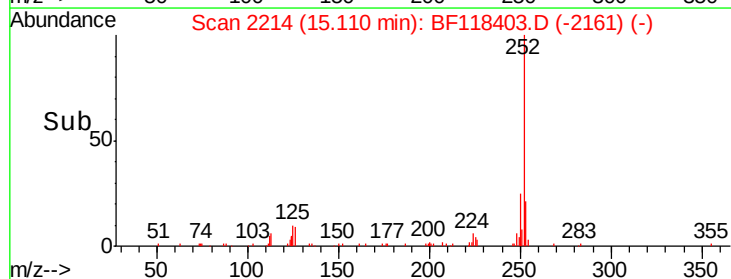
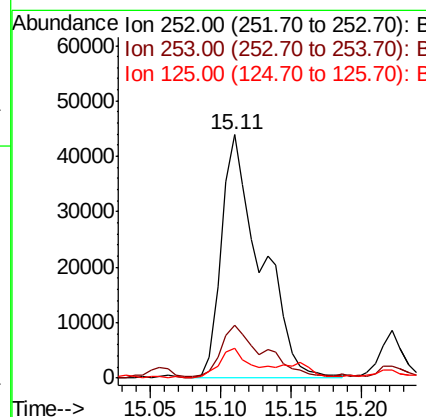
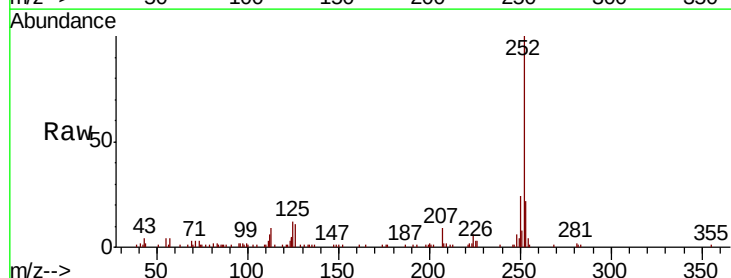
Instrument :
BNA_F
ClientSampleId :

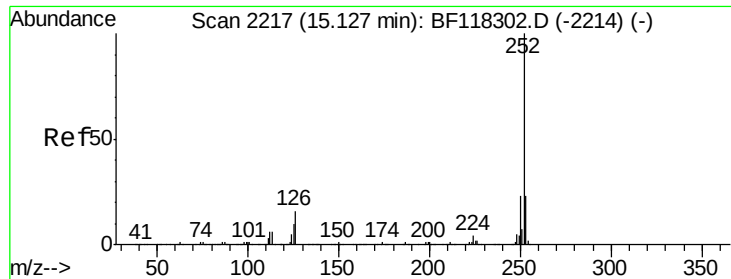
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.8	29.6
265	22.4	17.0	25.4



#88
Benzo(b)fluoranthene
Concen: 5.029 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.1	7.7	11.5

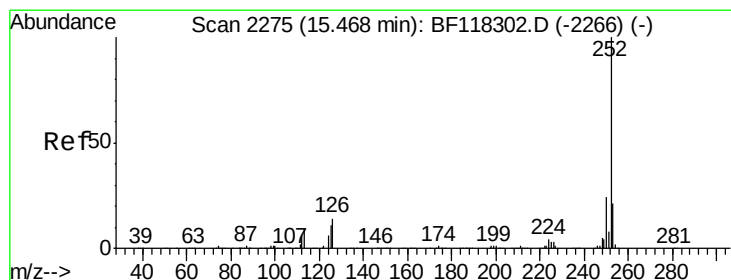
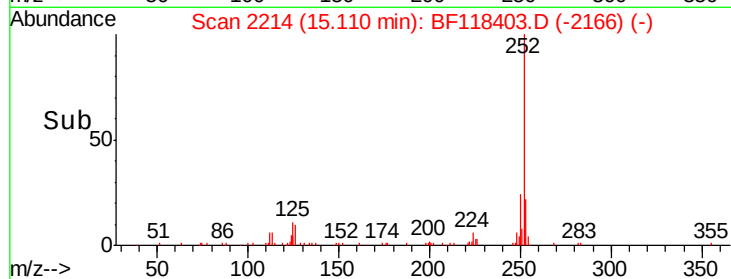
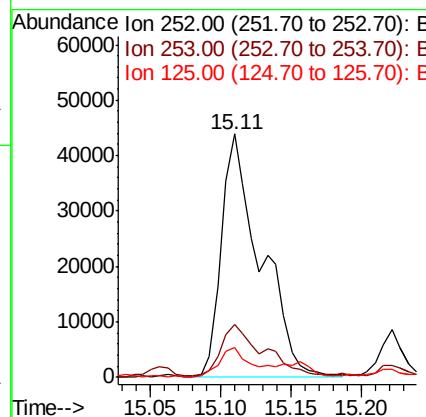
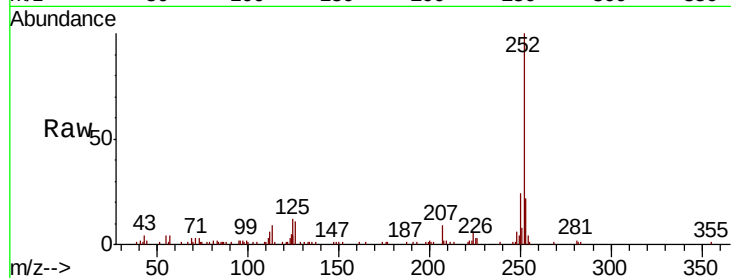




#89
Benzo(k)fluoranthene
Concen: 5.238 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	12.1	8.0	12.0#



#90
Benzo(a)pyrene
Concen: 2.768 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118403.D
Acq: 31 Dec 2019 14:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	12.7	9.0	13.4

