

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118352.D
 Acq On : 27 Dec 2019 21:59
 Operator : JU
 Sample : K6431-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 00:02:23 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	141568	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	532366	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	241010	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	383708	20.00	ng	0.00
76) Chrysene-d12	14.05	240	335405	20.00	ng	0.00
87) Perylene-d12	15.54	264	274641	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	373658	45.05	ng	0.00
7) Phenol-d6	6.49	99	461525	44.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	270331	29.04	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	112630	37.84	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	536685	33.99	ng	0.00
79) Terphenyl-d14	12.99	244	525729	26.00	ng	0.00

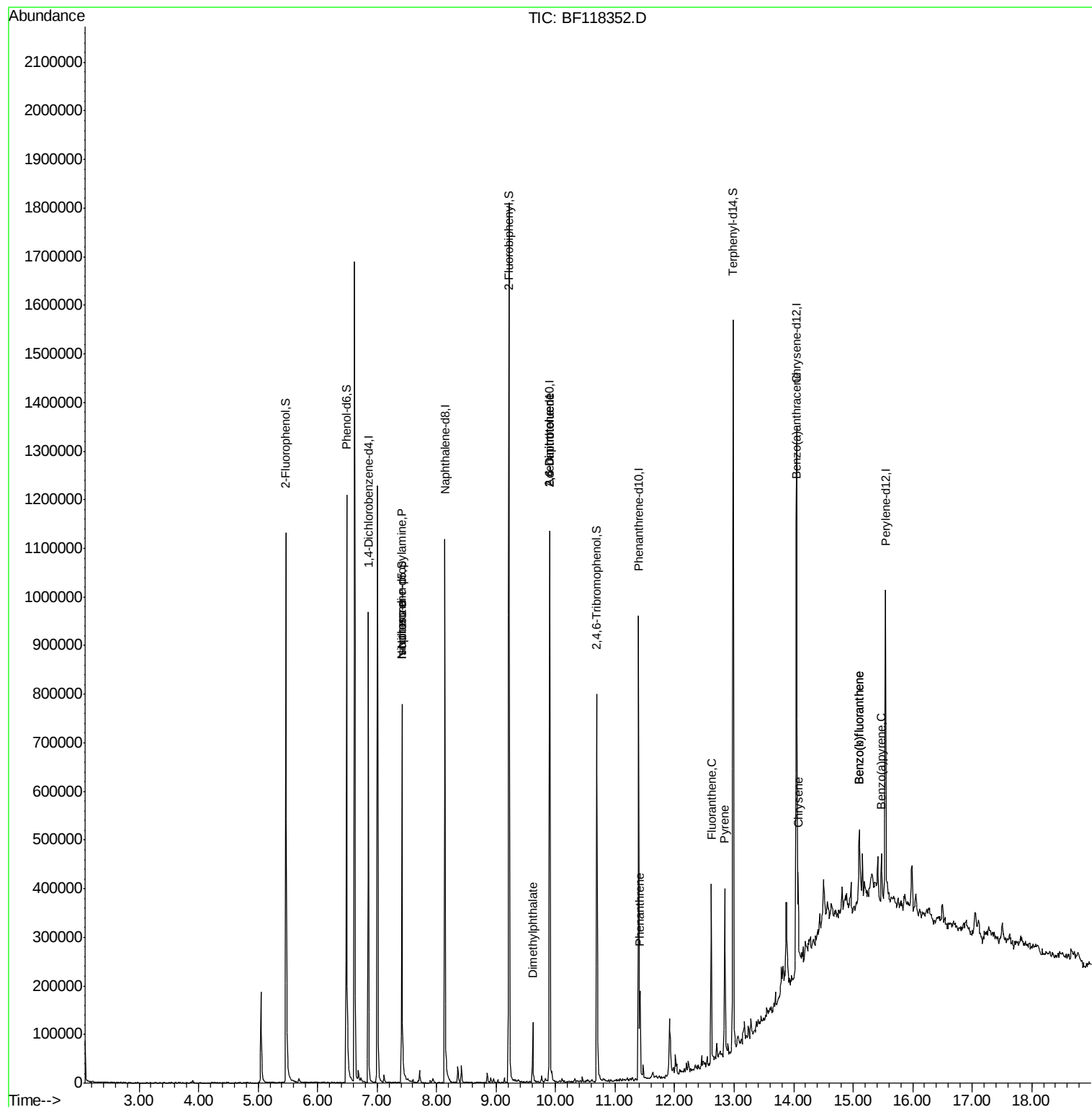
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	34741	5.481	ng	# 77
25) Isophorone	7.42	82	270330	16.665	ng	# 62
50) Dimethylphthalate	9.62	163	59145	3.269	ng	99
51) 2,6-Dinitrotoluene	9.90	165	30907	7.924	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	30907	5.930	ng	# 28
71) Phenanthrene	11.42	178	67085	3.207	ng	99
75) Fluoranthene	12.62	202	143435	6.794	ng	99
78) Pyrene	12.84	202	130166	4.752	ng	98
81) Benzo(a)anthracene	14.04	228	75186	3.202	ng	98
83) Chrysene	14.07	228	65179	2.899	ng	96
88) Benzo(b)fluoranthene	15.10	252	106984	5.868	ng	# 92
89) Benzo(k)fluoranthene	15.10	252	106984	6.112	ng	# 93
90) Benzo(a)pyrene	15.48	252	51413	3.201	ng	94

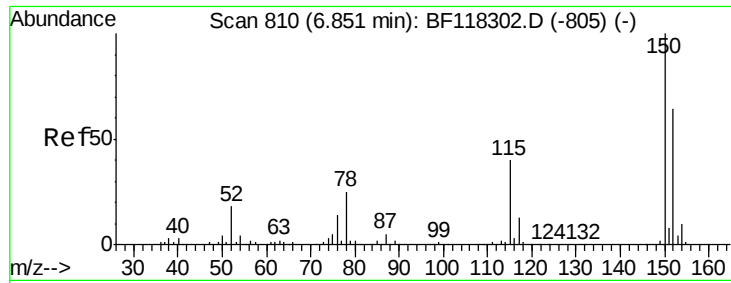
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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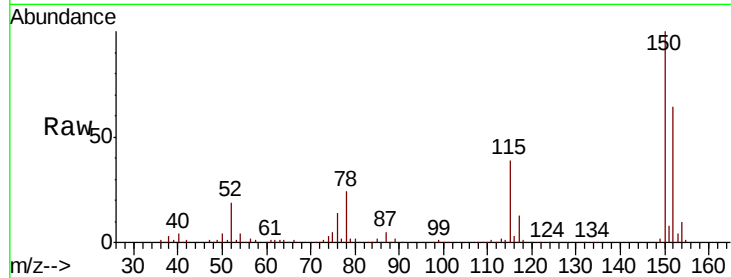


#1

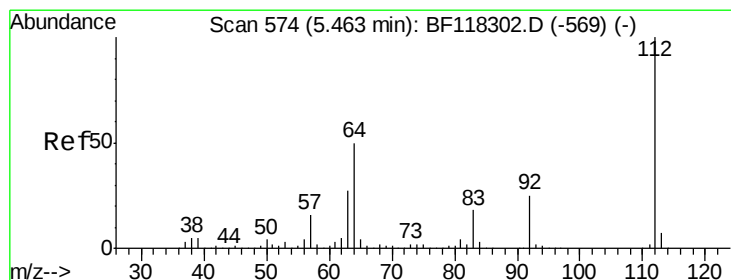
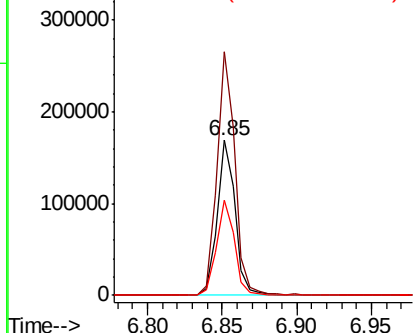
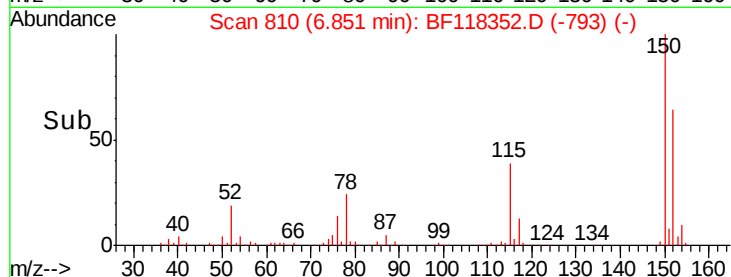
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141568
Ion Ratio Lower Upper
152 100
150 157.1 125.4 188.2
115 61.5 50.2 75.4



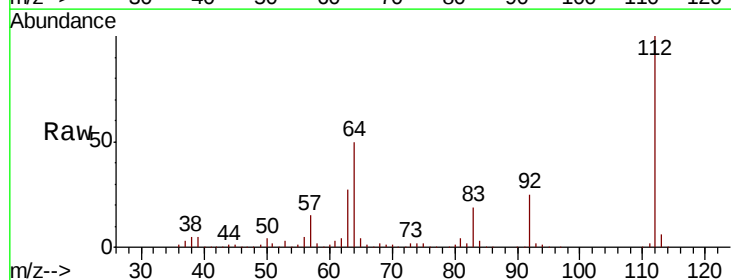
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



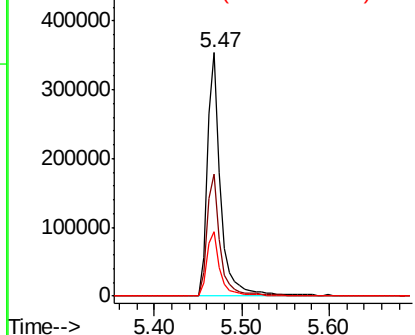
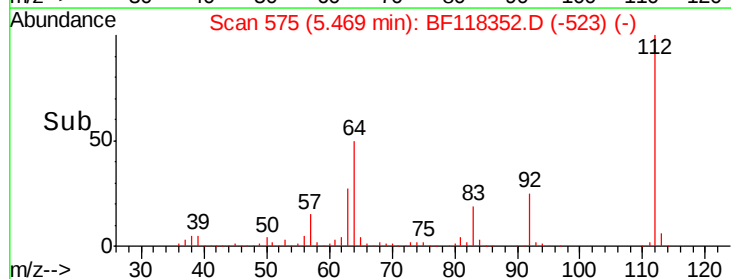
#5

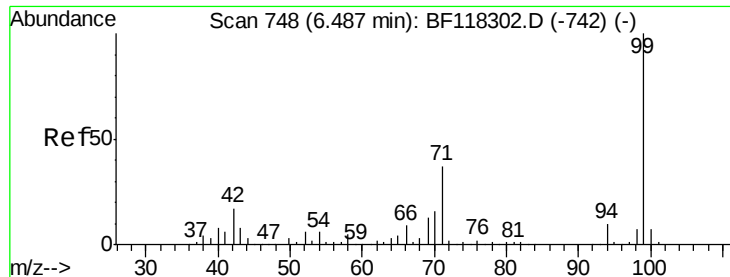
2-Fluorophenol
Concen: 45.055 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:112 Resp: 373658
Ion Ratio Lower Upper
112 100
64 50.0 39.7 59.5
63 26.7 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: 44.860 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

Instrument :

BNA_F

ClientSampleId :

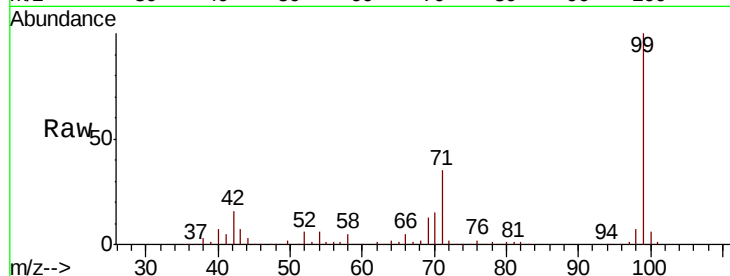
Tot Ion: 99 Resp: 461525

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

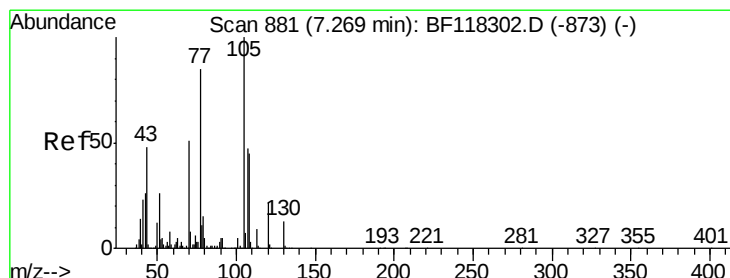
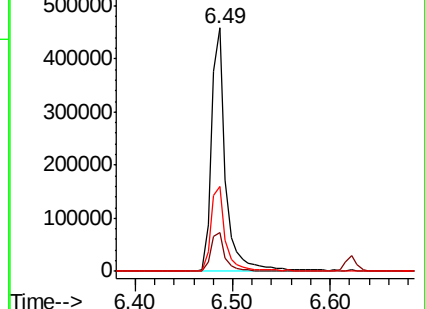
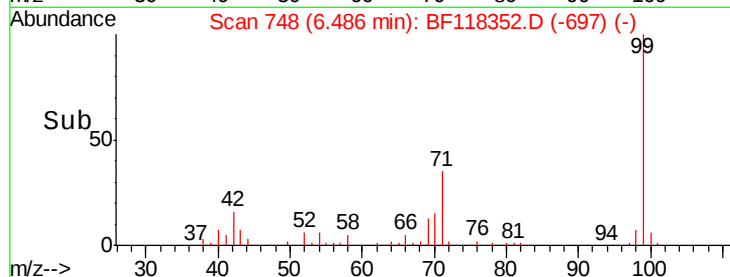
71 34.8 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.481 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

Tgt Ion: 70 Resp: 34741

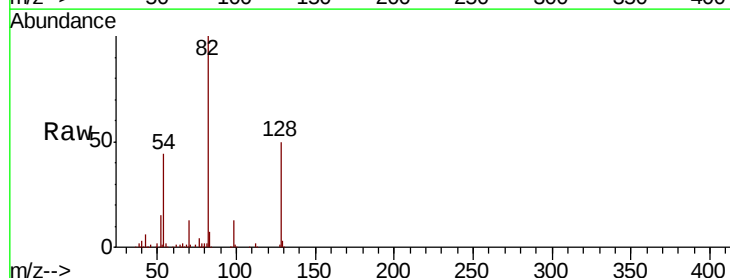
Ion Ratio Lower Upper

70 100

42 43.6 41.1 61.7

101 0.0 8.3 12.5#

130 2.0 20.1 30.1#

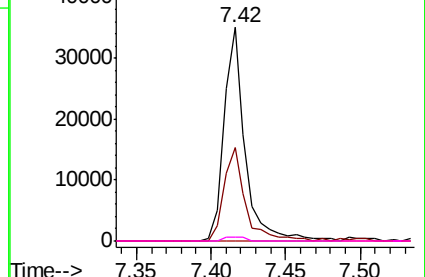
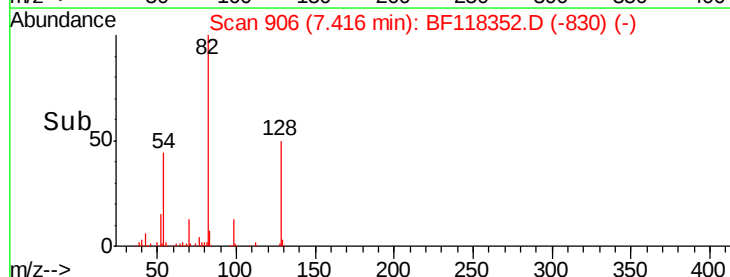


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

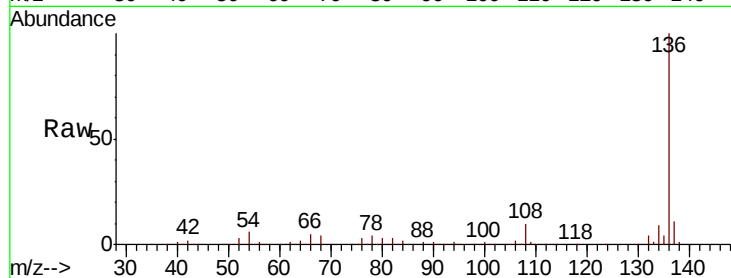




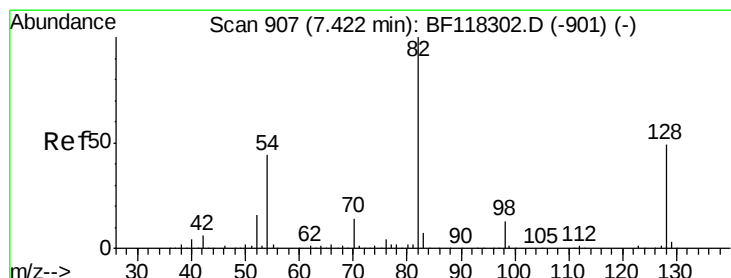
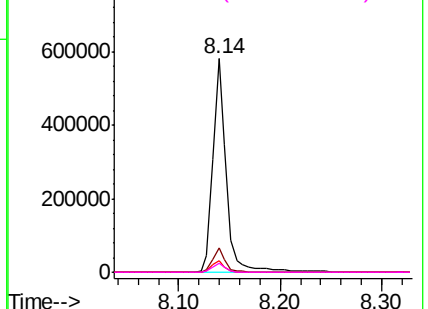
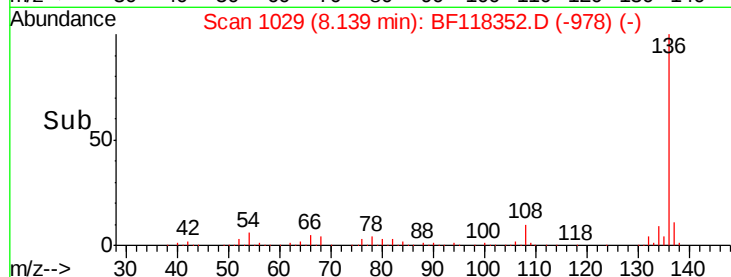
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	532366
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.9 13.3
54	5.5	4.2 6.4
68	4.4	3.5 5.3

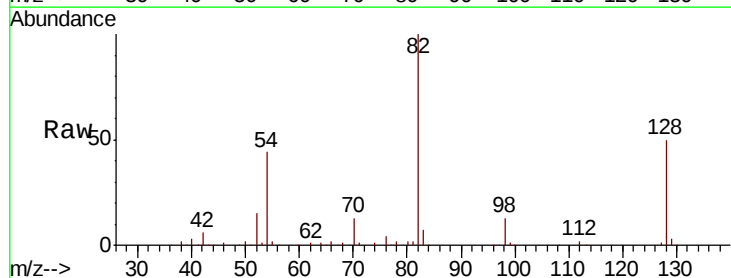


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

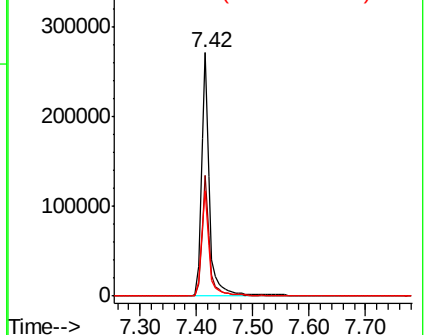
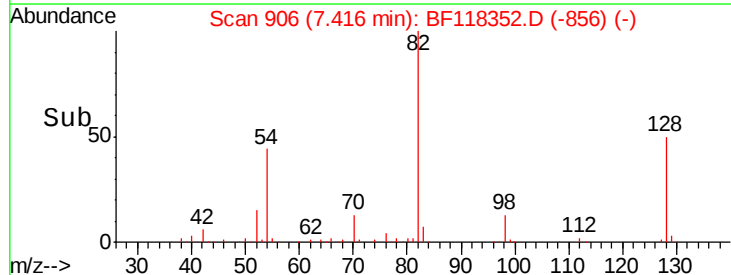


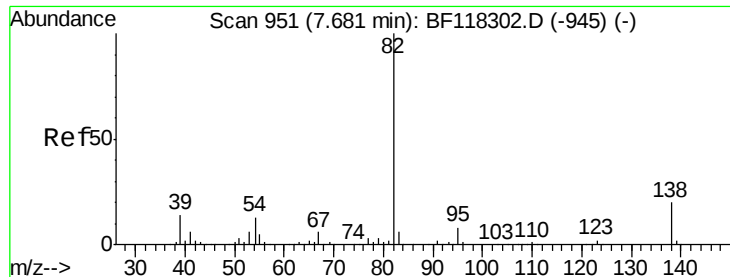
#23
Nitrobenzene-d5
Concen: 29.043 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion: 82	Resp:	270331
Ion Ratio	Lower	Upper
82	100	
128	49.7	39.6 59.4
54	43.5	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: 16.665 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

Instrument :

BNA_F

ClientSampleId :

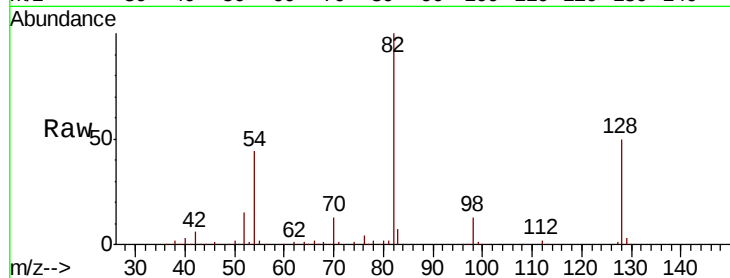
Tot Ion: 82 Resp: 270330

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

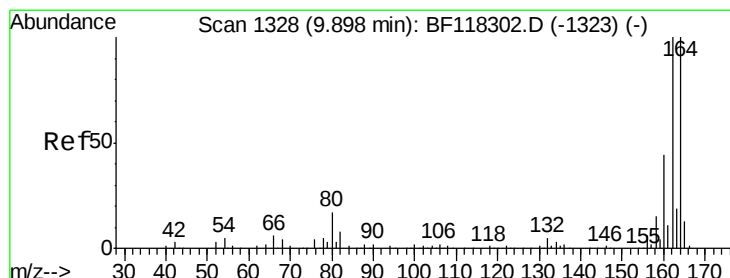
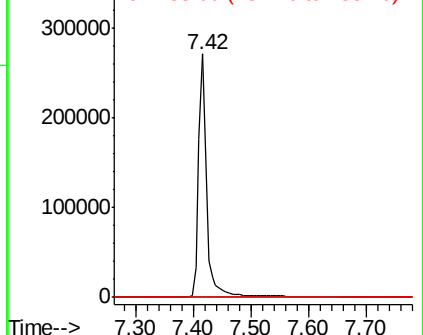
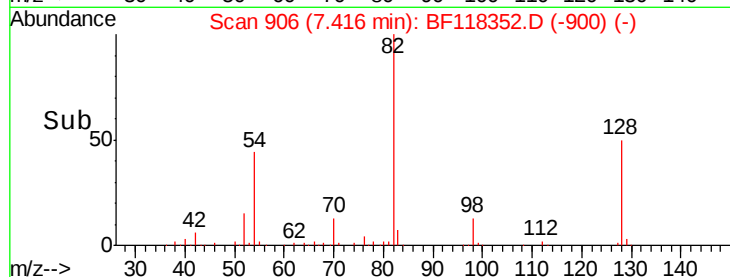
138 0.0 16.2 24.2#



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: BF118352.D

Acq: 27 Dec 2019 21:59

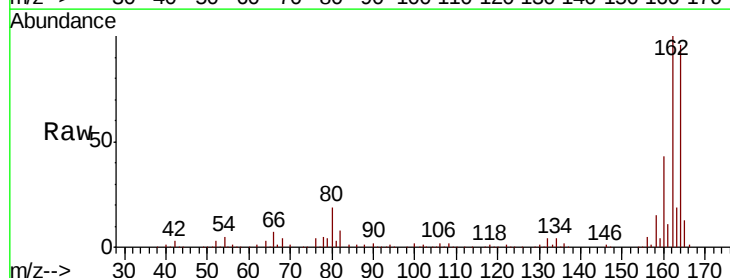
Tgt Ion: 164 Resp: 241010

Ion Ratio Lower Upper

164 100

162 104.2 80.0 120.0

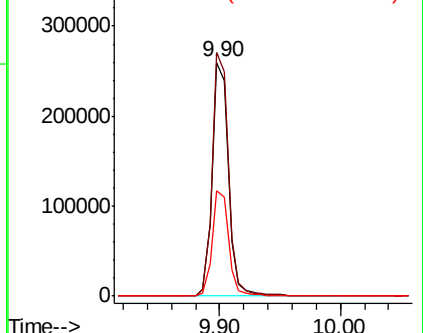
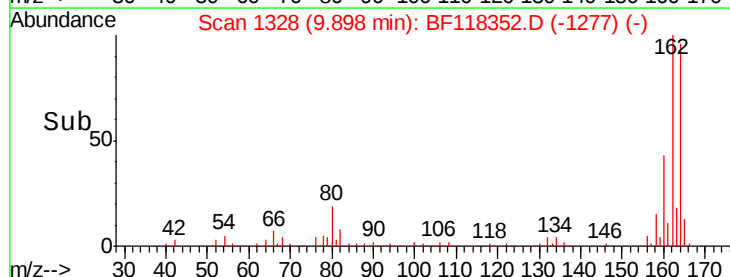
160 44.9 34.8 52.2

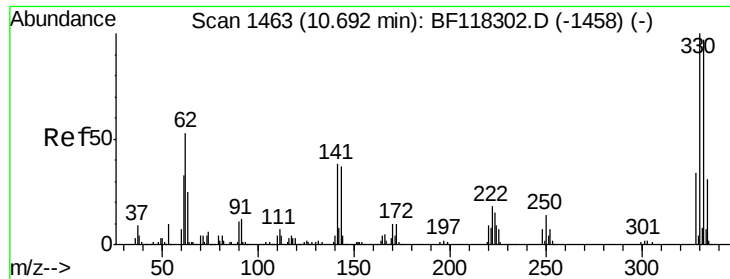


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

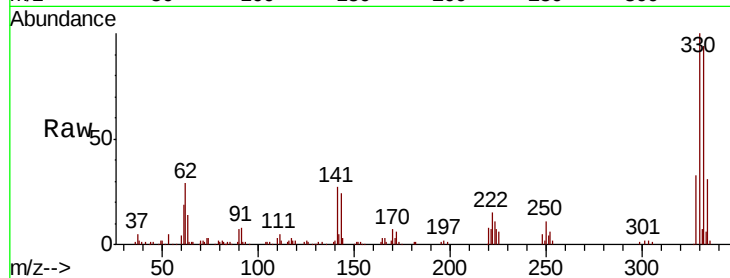




#42
 2,4,6-Tribromophenol
 Concen: 37.842 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118352.D
 Acq: 27 Dec 2019 21:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.6	114.8
141	32.0	26.0	39.0

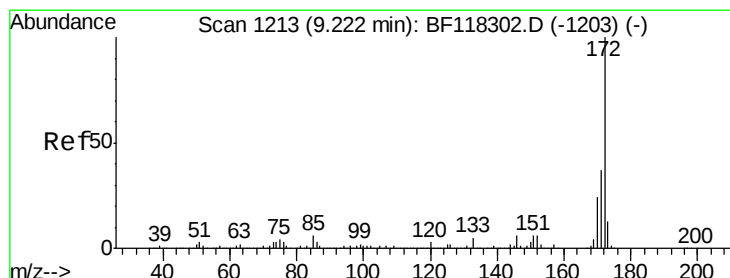
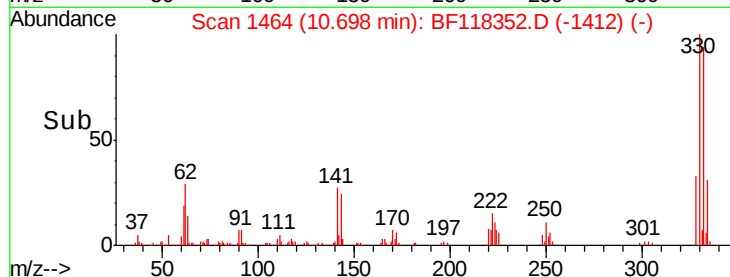
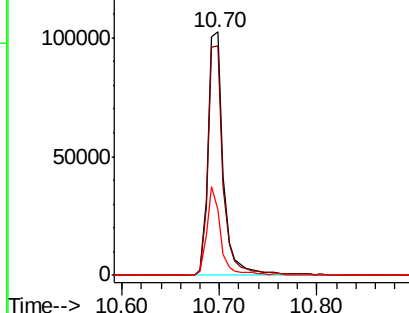


Abundance

Ion 329.80 (329.50 to 330.50): E

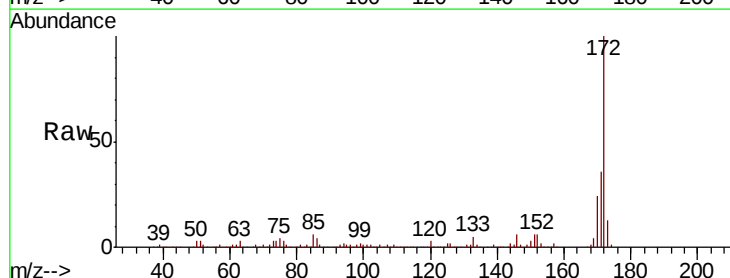
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 33.992 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118352.D
 Acq: 27 Dec 2019 21:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	23.6	19.2	28.8

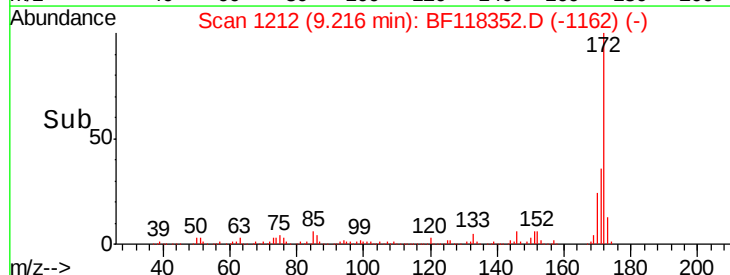
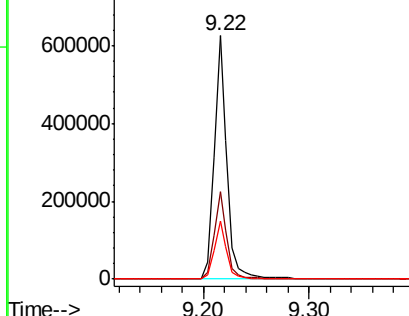


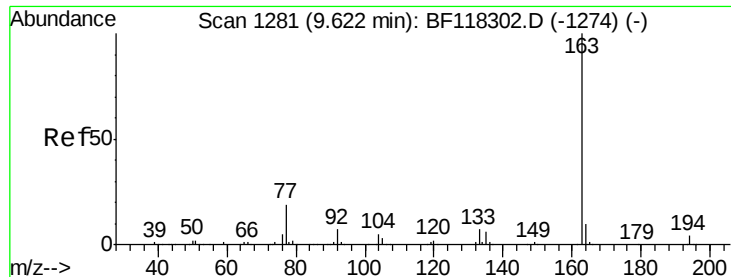
Abundance

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: 3.269 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

Instrument :

BNA_F

ClientSampleId :

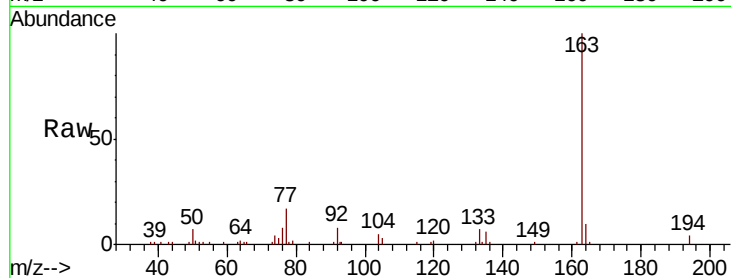
Tot Ion:163 Resp: 59145

Ion Ratio Lower Upper

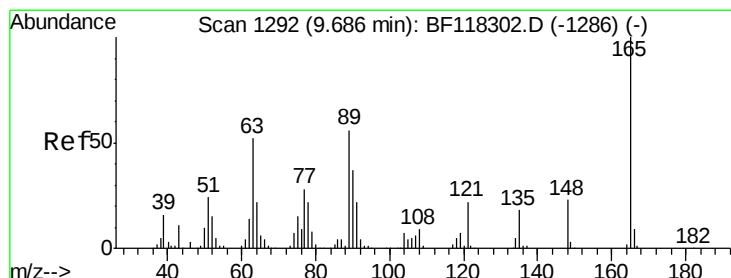
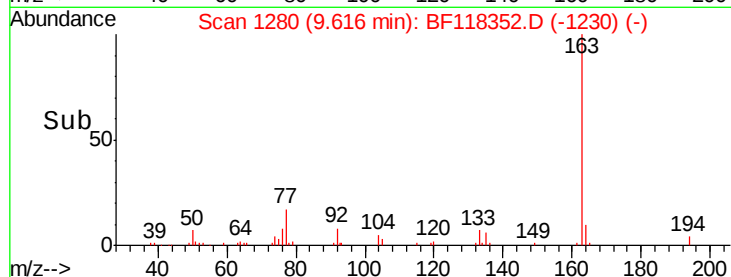
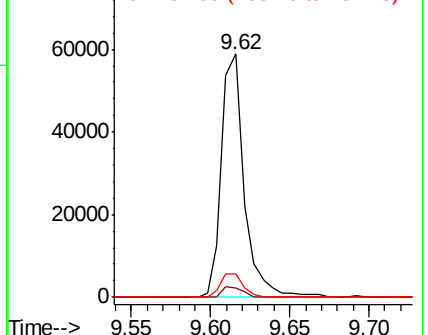
163 100

194 3.8 3.2 4.8

164 9.6 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: 7.924 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

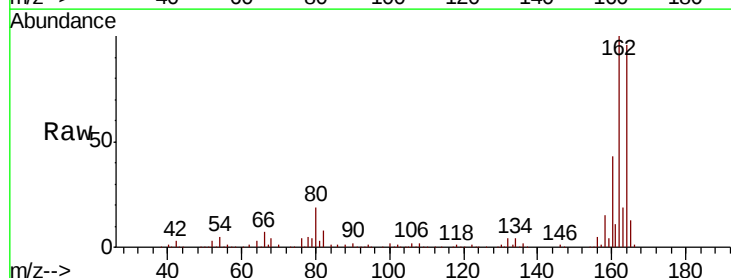
Tgt Ion:165 Resp: 30907

Ion Ratio Lower Upper

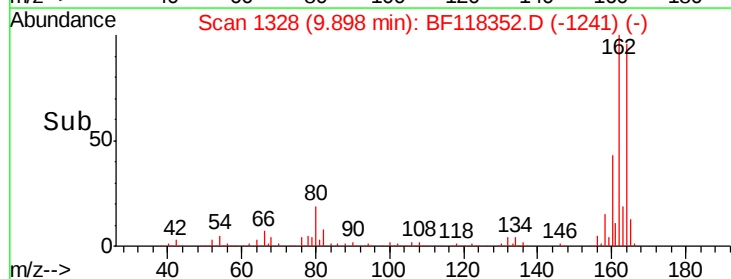
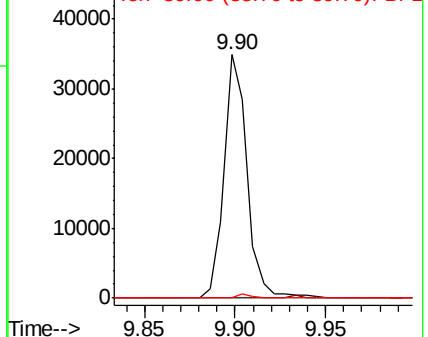
165 100

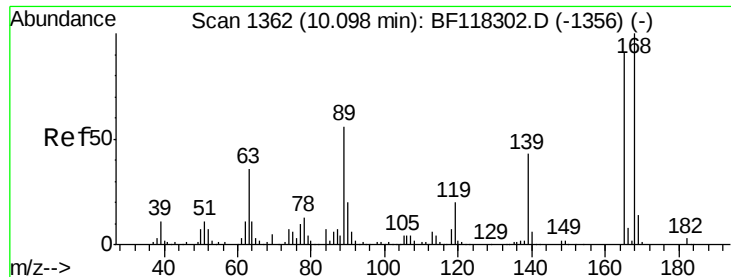
63 0.0 42.2 63.4#

89 0.0 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

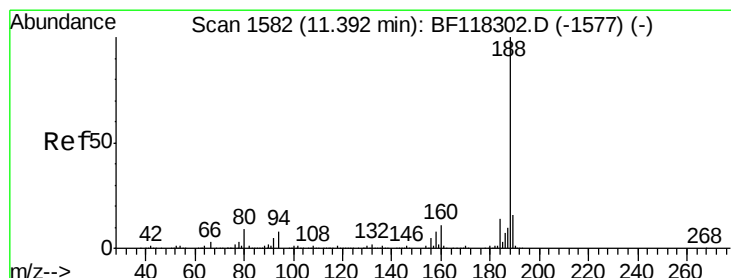
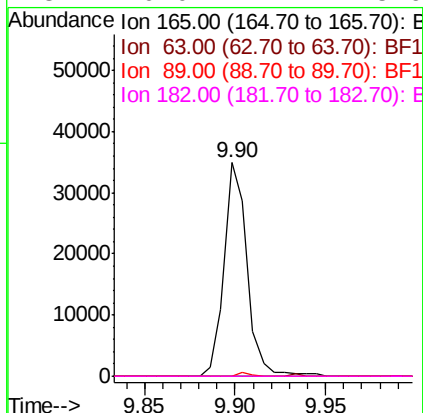
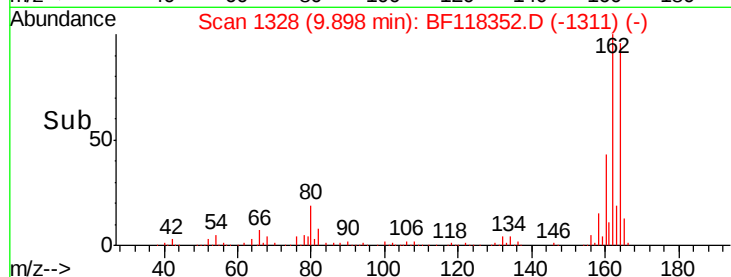
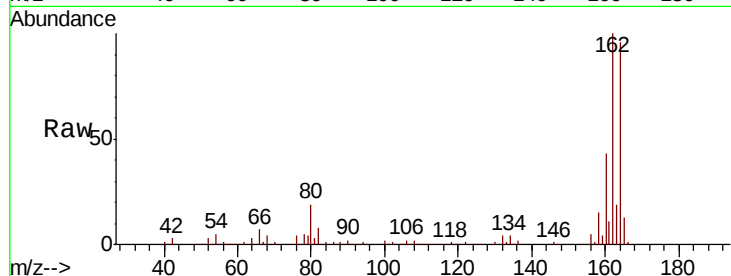




#57
 2,4-Dinitrotoluene
 Concen: 5.930 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118352.D
 Acq: 27 Dec 2019 21:59

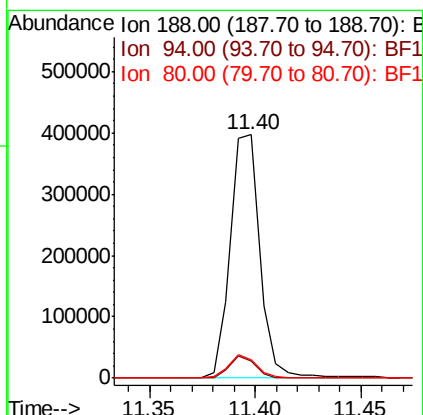
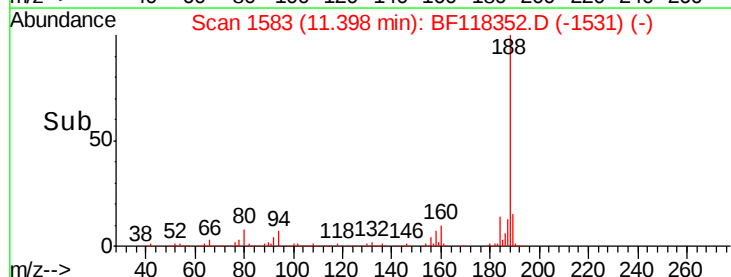
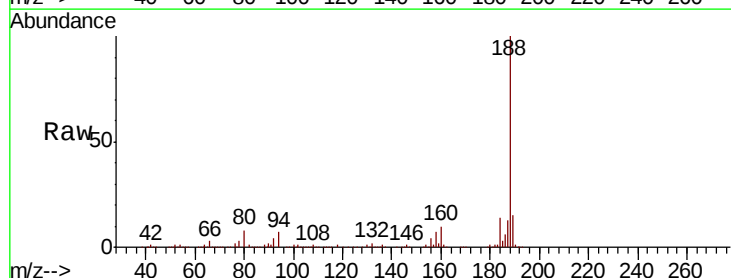
Instrument :
 BNA_F
 ClientSampled :

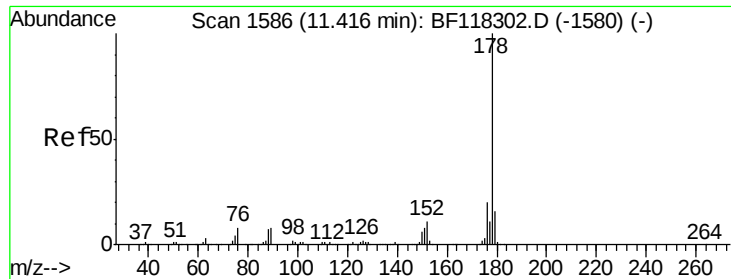
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	0.0	49.3	73.9#
182	0.0	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF118352.D
 Acq: 27 Dec 2019 21:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.7	10.1
80	7.5	7.2	10.8

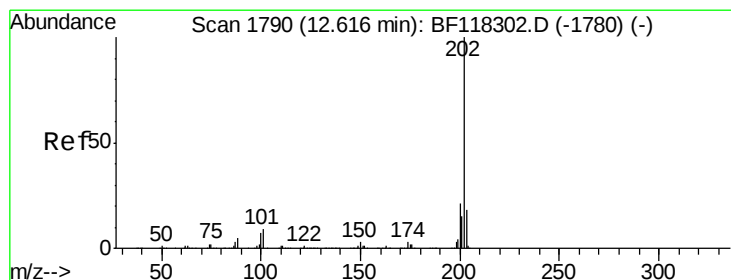
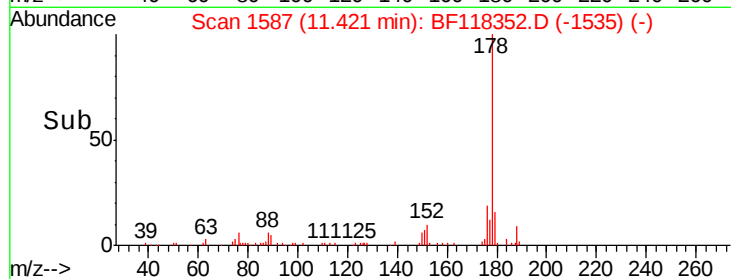
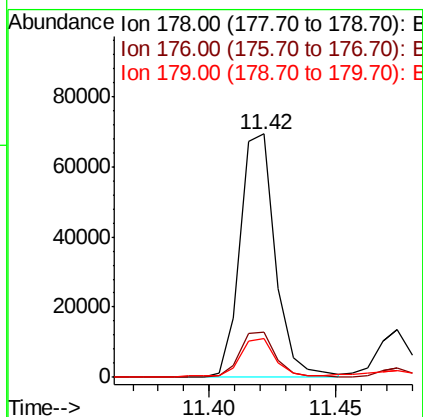
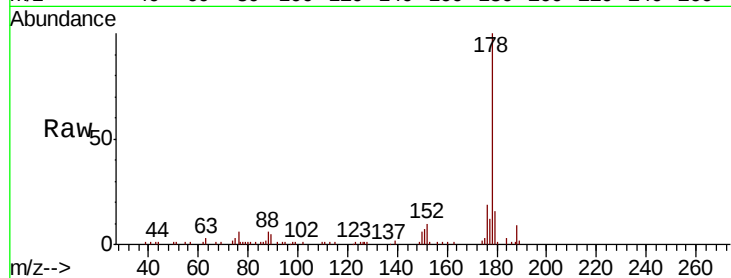




#71
Phenanthrene
Concen: 3.207 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

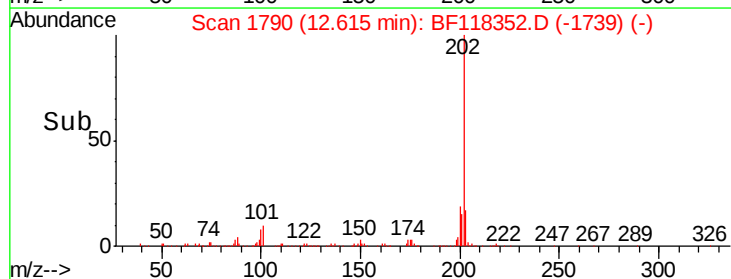
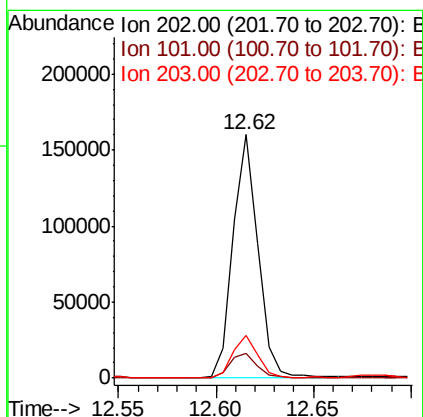
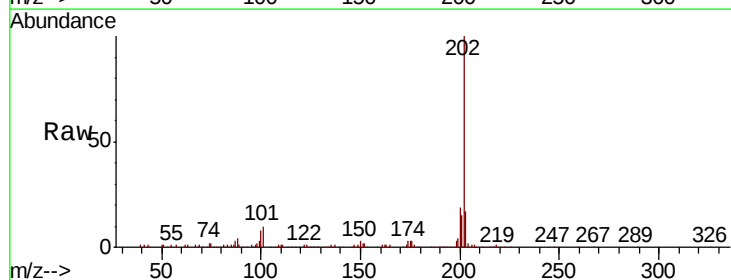
Instrument :
BNA_F
ClientSampleId :

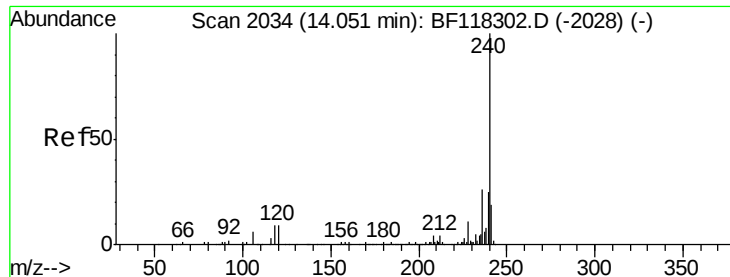
Tot Ion:178 Resp: 67085
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.8 12.6 19.0



#75
Fluoranthene
Concen: 6.794 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:202 Resp: 143435
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.5
203 17.4 0.0 37.6

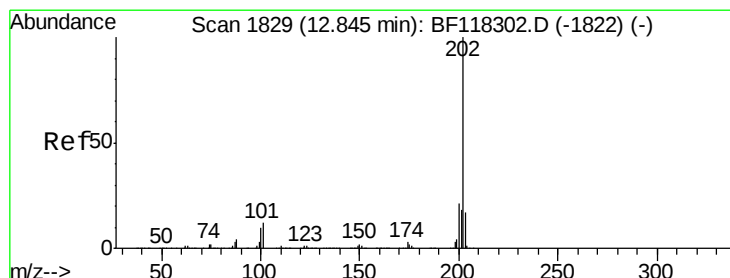
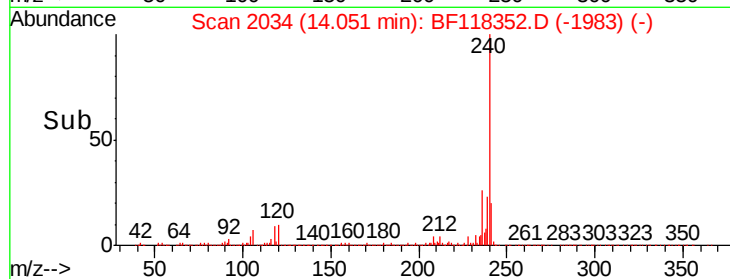
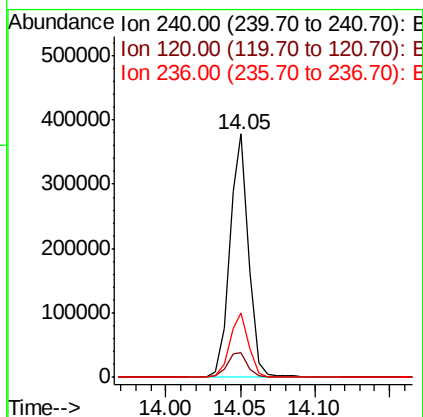
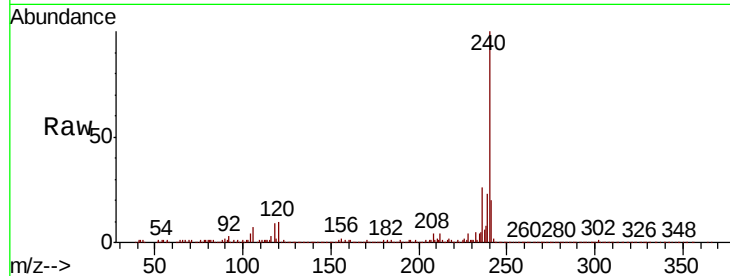




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

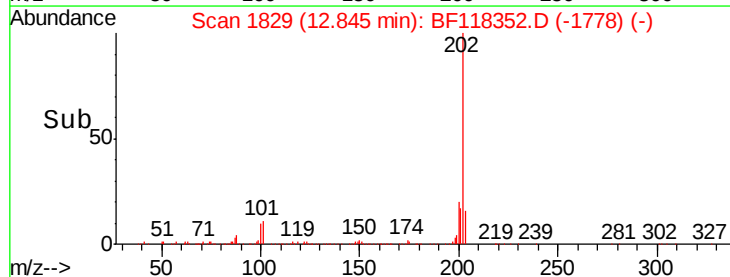
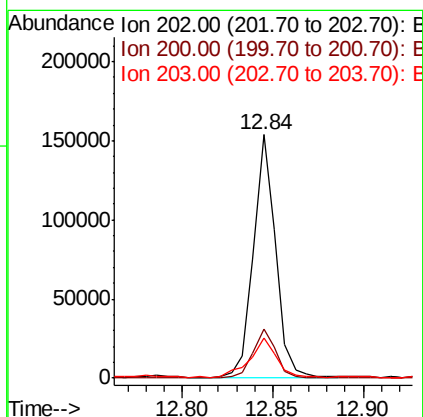
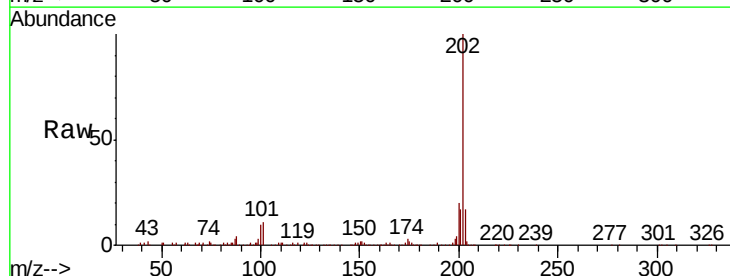
Instrument :
BNA_F
ClientSampleId :

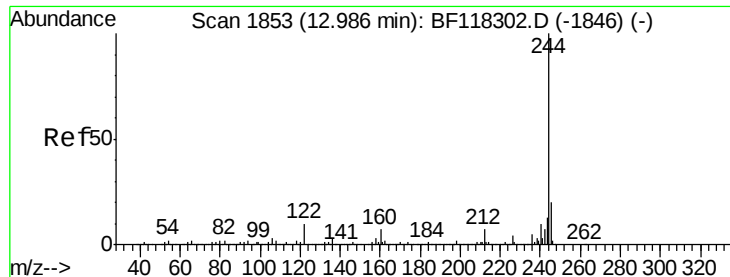
Tot Ion:240 Resp: 335405
Ion Ratio Lower Upper
240 100
120 10.2 7.1 10.7
236 26.4 21.0 31.6



#78
Pyrene
Concen: 4.752 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:202 Resp: 130166
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 16.6 13.9 20.9





#79

Terphenyl-d14

Concen: 26.004 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

Instrument :

BNA_F

ClientSampleId :

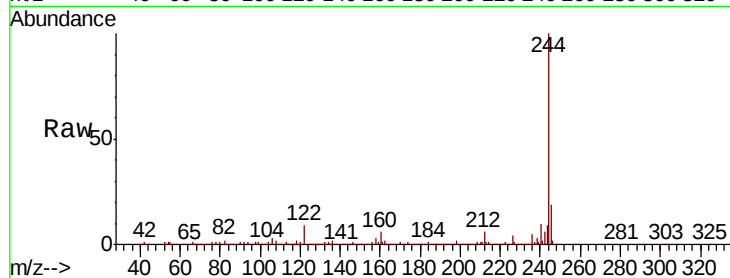
Tot Ion:244 Resp: 525729

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

122 8.8 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

600000

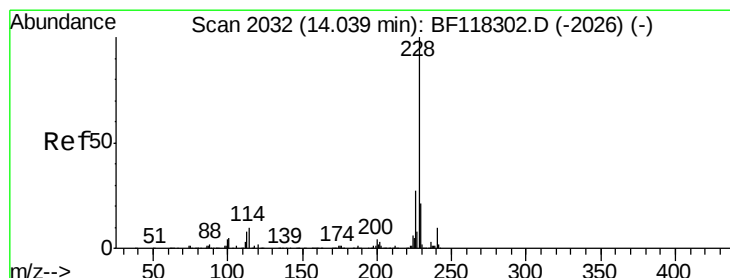
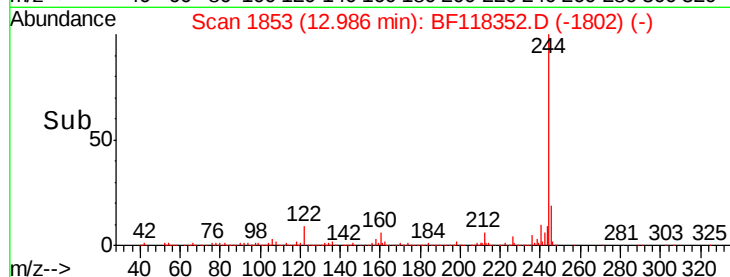
400000

200000

0

12.99

Time--> 12.90 12.95 13.00 13.05



#81

Benzo(a)anthracene

Concen: 3.202 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

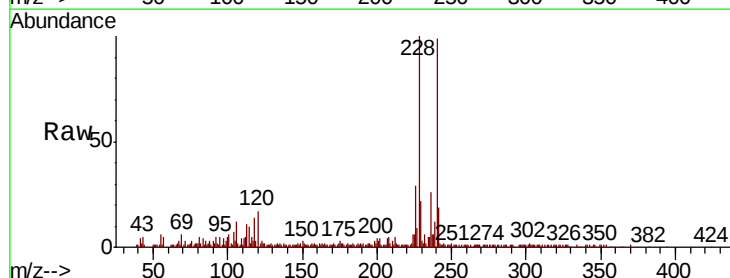
Tgt Ion:228 Resp: 75186

Ion Ratio Lower Upper

228 100

226 28.7 22.0 33.0

229 21.7 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

100000

80000

60000

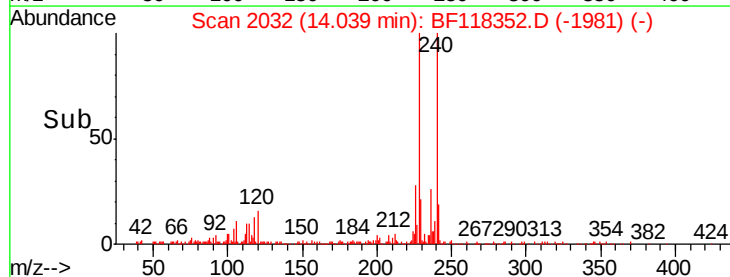
40000

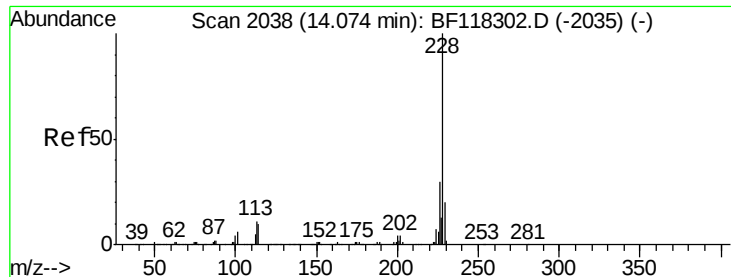
20000

0

14.04

Time--> 14.00 14.05

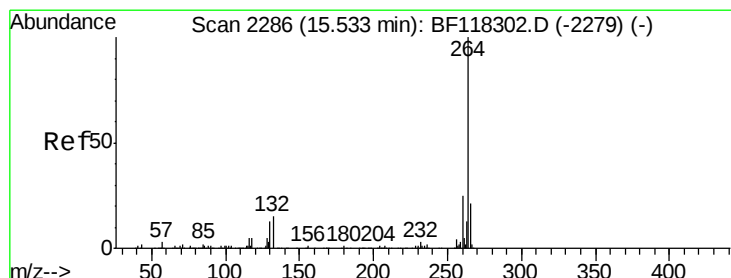
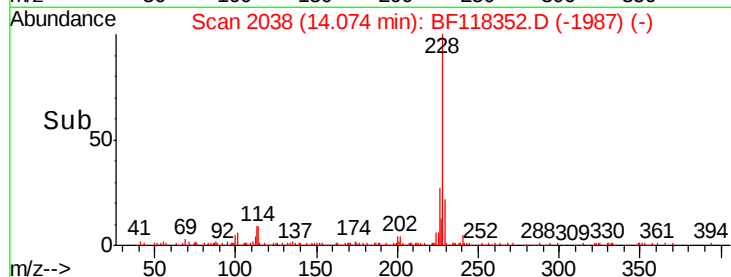
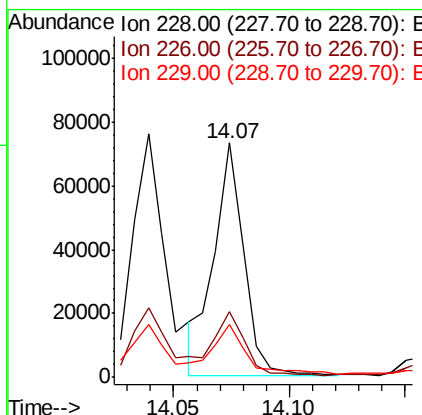
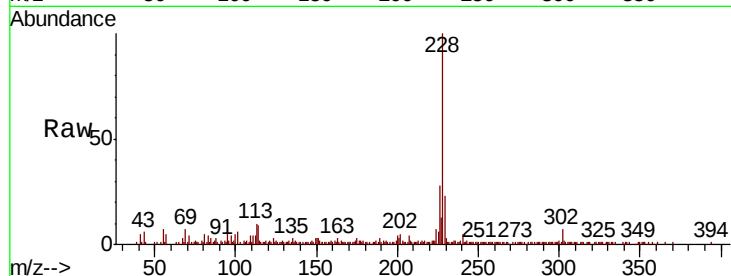




#83
Chrysene
Concen: 2.899 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

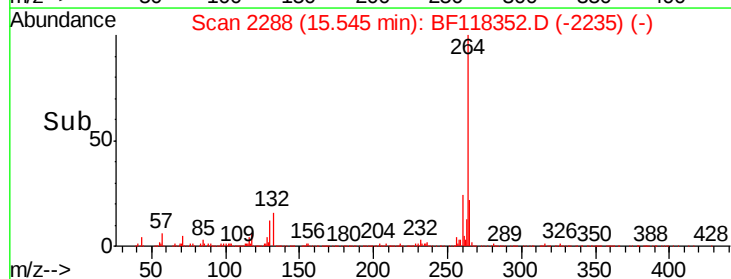
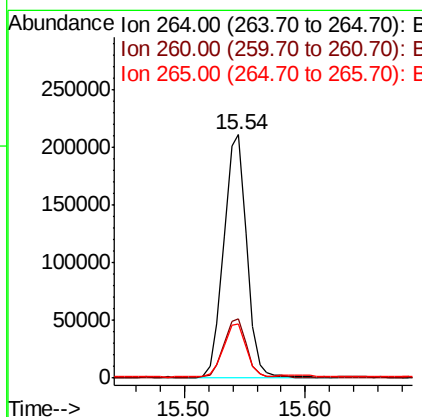
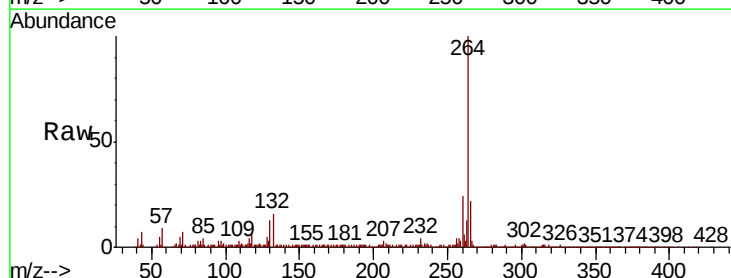
Instrument :
BNA_F
ClientSampled :

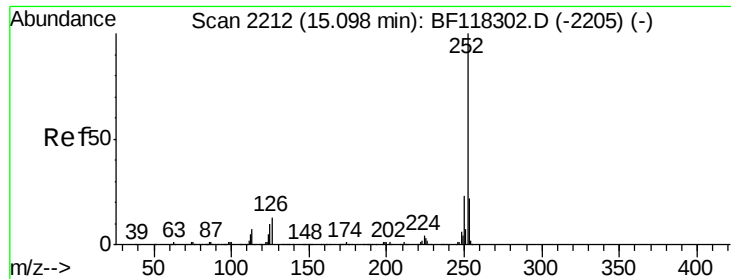
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.9	35.9
229	22.7	16.1	24.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	22.4	17.0	25.4

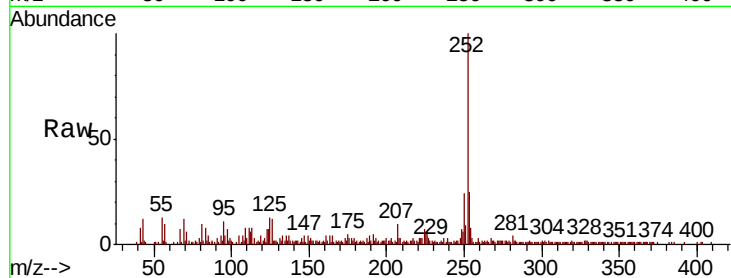




#88
Benzo(b)fluoranthene
Concen: 5.868 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	13.2	7.7	11.5

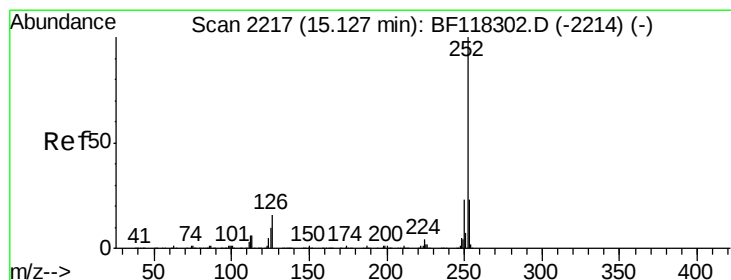
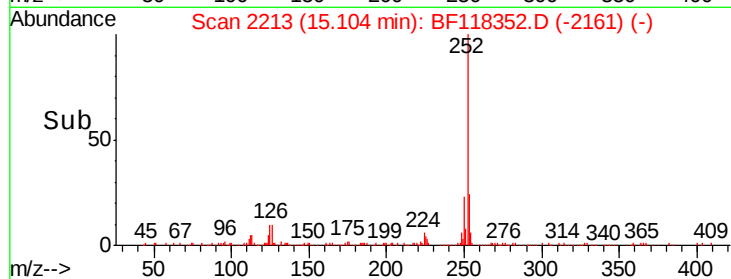
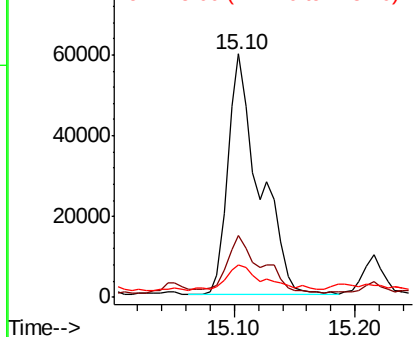


Abundance

Ion 252.00 (251.70 to 252.70): E

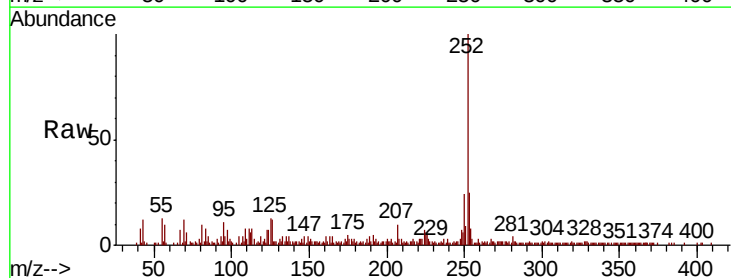
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 6.112 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	13.2	8.0	12.0

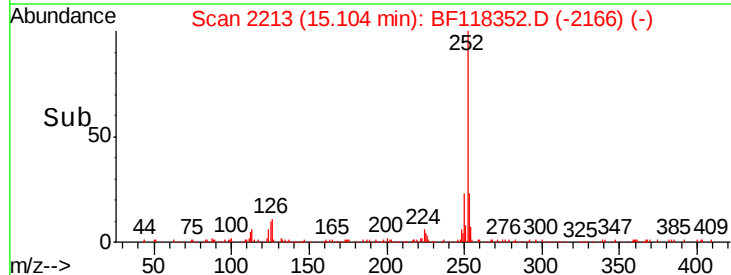
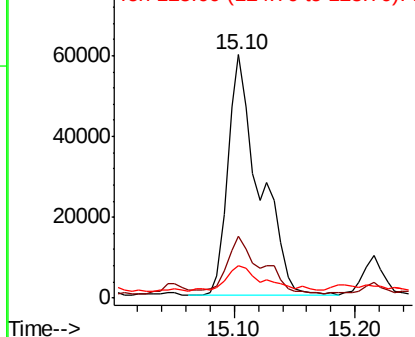


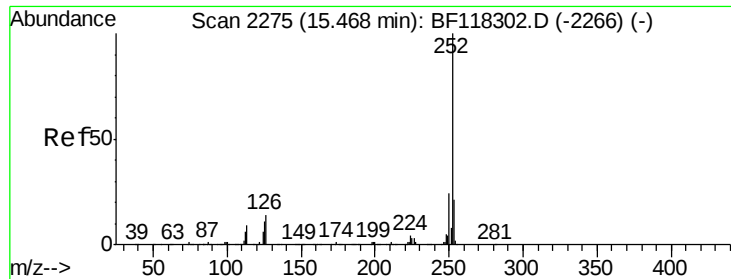
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.201 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF118352.D

Acq: 27 Dec 2019 21:59

Instrument :

BNA_F

ClientSampleId :

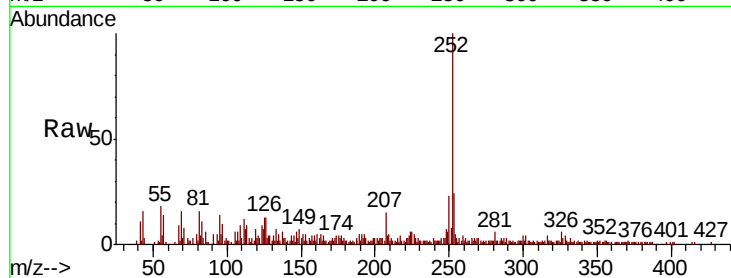
Tot Ion:252 Resp: 51413

Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.6

125 13.3 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

