

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118389.D
 Acq On : 30 Dec 2019 19:05
 Operator : JU
 Sample : K6442-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 00:40:09 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	125640	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	488819	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	266454	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	489724	20.00	ng	0.00
76) Chrysene-d12	14.05	240	304926	20.00	ng	0.00
87) Perylene-d12	15.54	264	328807	20.00	ng	0.00

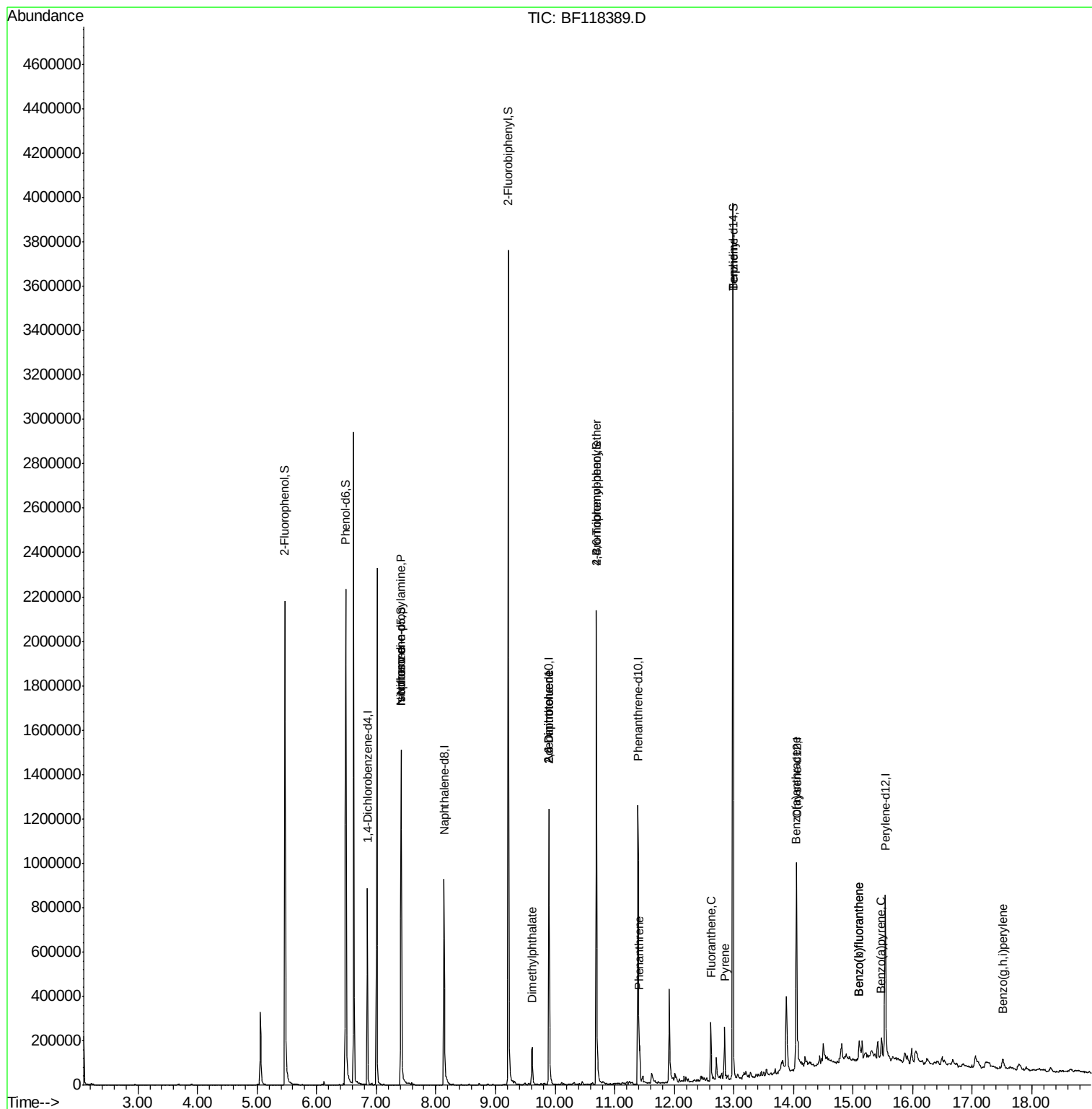
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	689752	93.71	ng	0.00
7) Phenol-d6	6.49	99	875268	95.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	526026	61.55	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	313030	95.13	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1146306	65.67	ng	0.00
79) Terphenyl-d14	12.99	244	1297608	70.60	ng	0.00

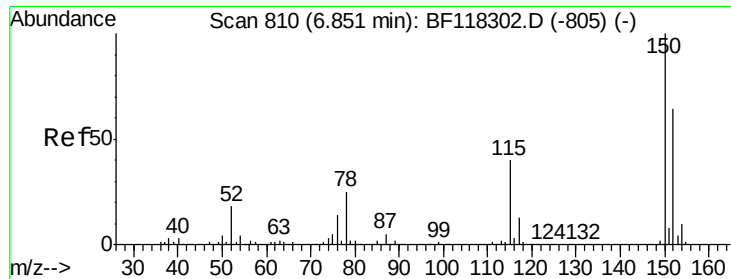
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	71394	12.693	ng	# 77
25) Isophorone	7.42	82	526021	35.316	ng	# 62
50) Dimethylphthalate	9.62	163	90424	4.521	ng	99
51) 2,6-Dinitrotoluene	9.90	165	35065	8.132	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	35065	6.086	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	19704	3.438	ng	# 1
71) Phenanthrene	11.42	178	74612	2.795	ng	98
75) Fluoranthene	12.62	202	101211	3.756	ng	99
77) Benzidine	12.99	184	17665	2.114	ng	96
78) Pyrene	12.84	202	89180	3.581	ng	99
81) Benzo(a)anthracene	14.04	228	44642	2.092	ng	98
88) Benzo(b)fluoranthene	15.10	252	64495	2.955	ng	# 93
89) Benzo(k)fluoranthene	15.10	252	64495	3.077	ng	# 94
90) Benzo(a)pyrene	15.48	252	40799	2.122	ng	94
92) Benzo(a,h,i)perylene	17.51	276	35335	2.192	ng	# 94

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

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Misc      :  
ALS Vial  : 10 Sample Multiplier: 1
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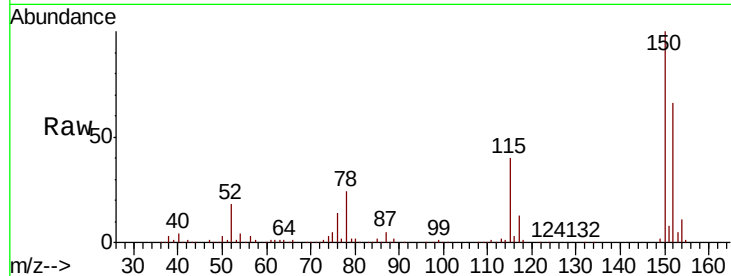


#1

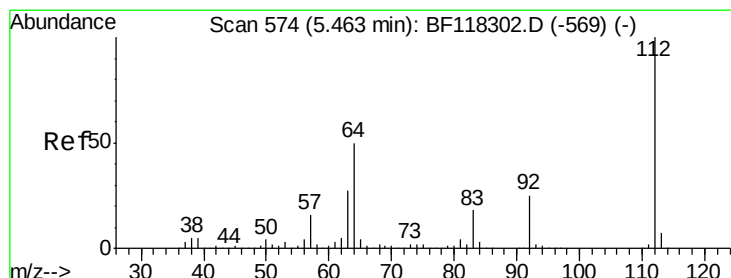
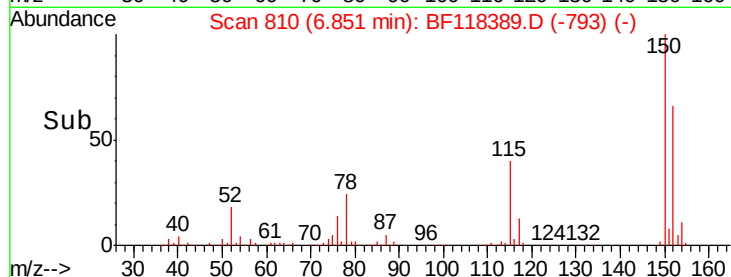
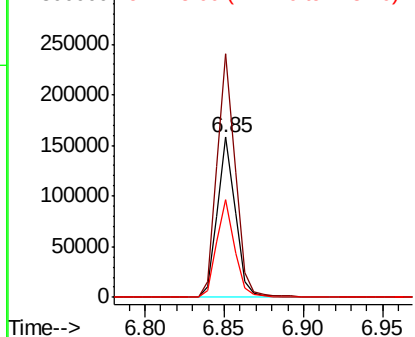
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125640
Ion Ratio Lower Upper
152 100
150 151.8 125.4 188.2
115 61.0 50.2 75.4



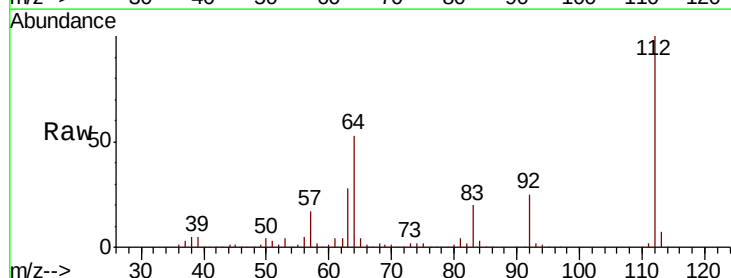
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



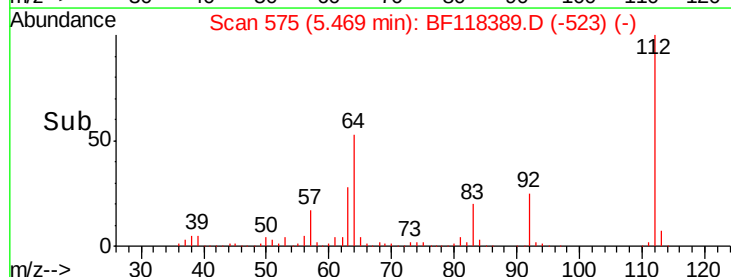
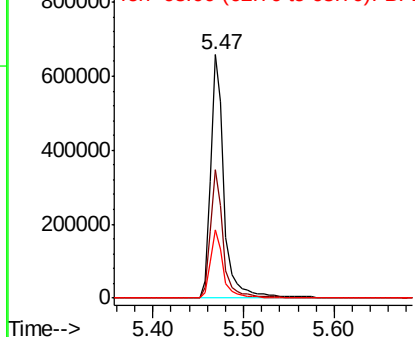
#5

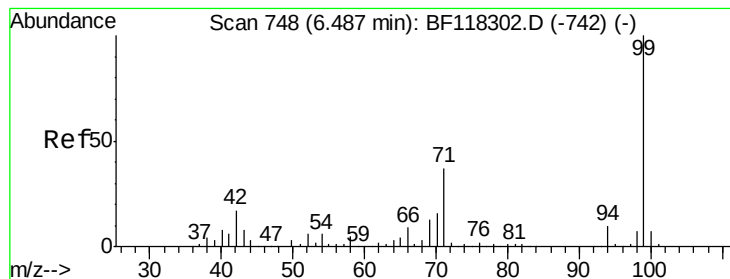
2-Fluorophenol
Concen: 93.712 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Tgt Ion:112 Resp: 689752
Ion Ratio Lower Upper
112 100
64 52.8 39.7 59.5
63 27.9 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: 95.860 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

Instrument :

BNA_F

ClientSampled :

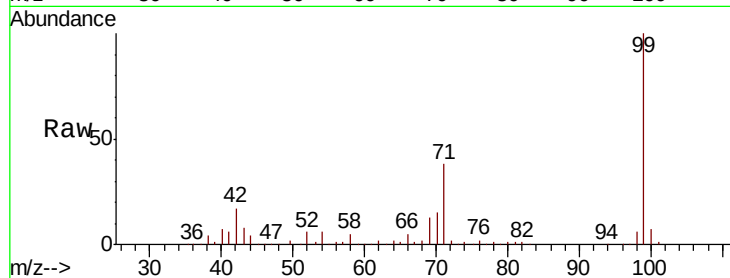
Tot Ion: 99 Resp: 875268

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

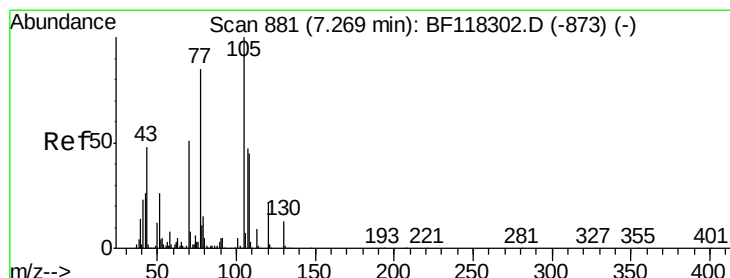
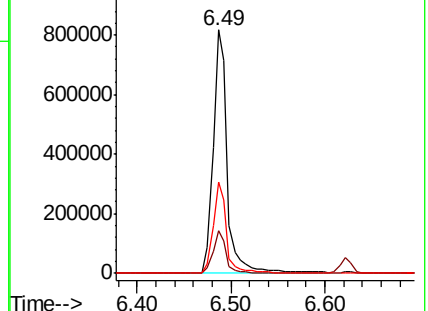
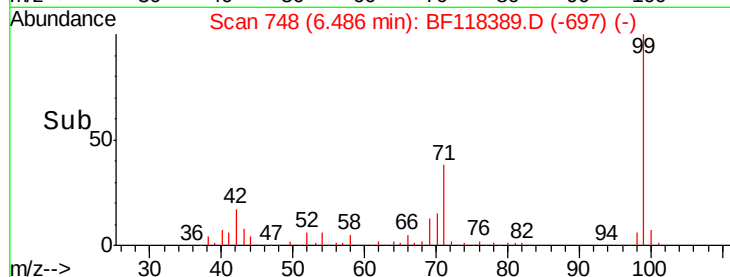
71 37.6 29.4 44.2



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: 12.693 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

Tgt Ion: 70 Resp: 71394

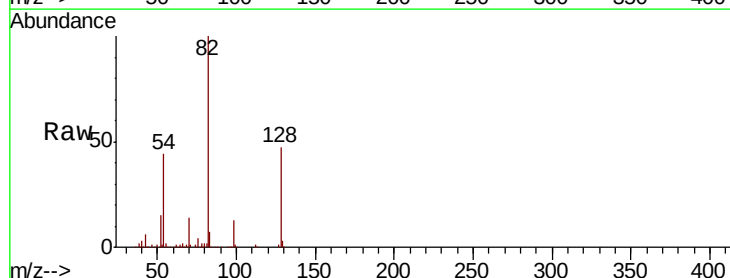
Ion Ratio Lower Upper

70 100

42 43.9 41.1 61.7

101 0.0 8.3 12.5#

130 2.2 20.1 30.1#

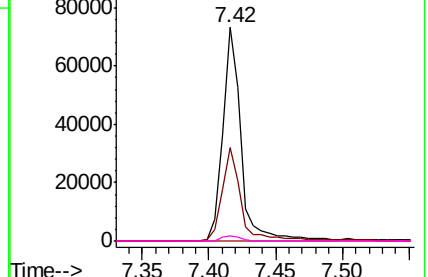
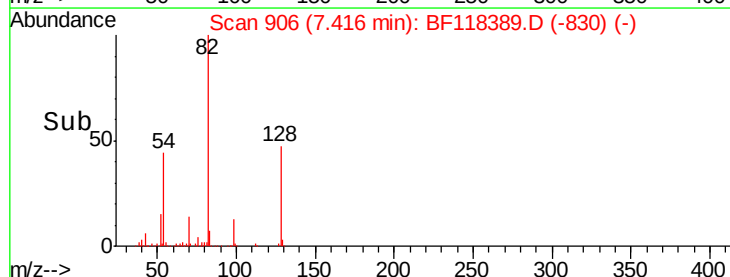


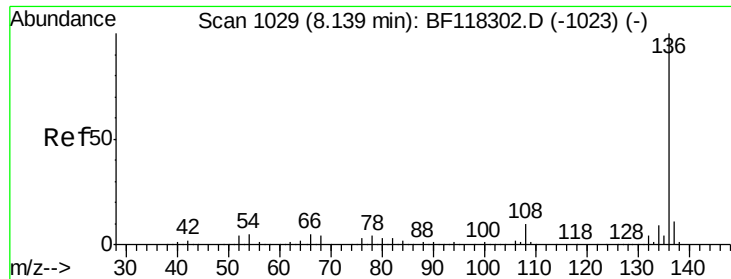
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

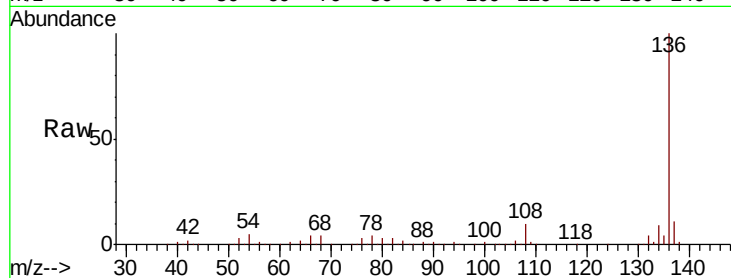




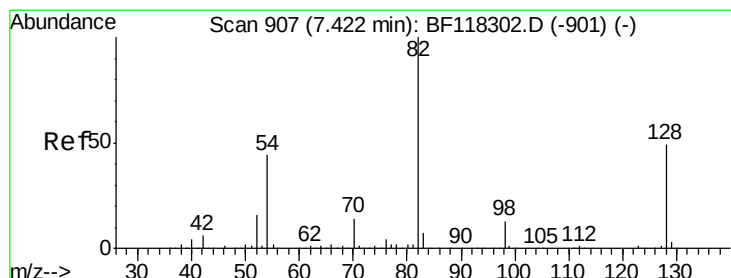
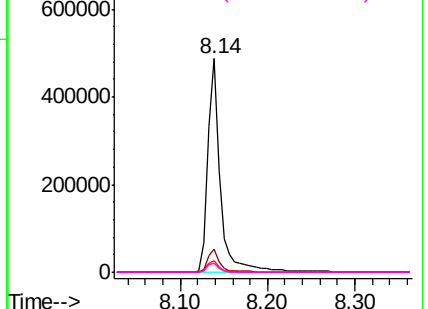
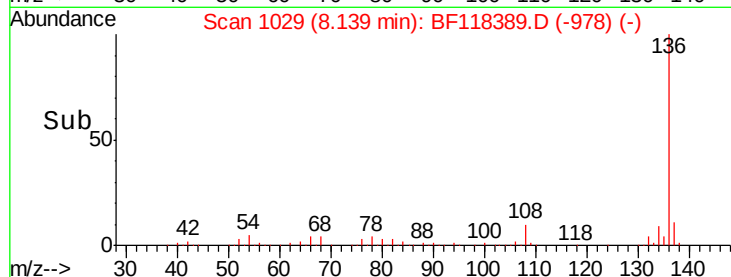
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	488819
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	5.3	4.2 6.4
68	4.4	3.5 5.3

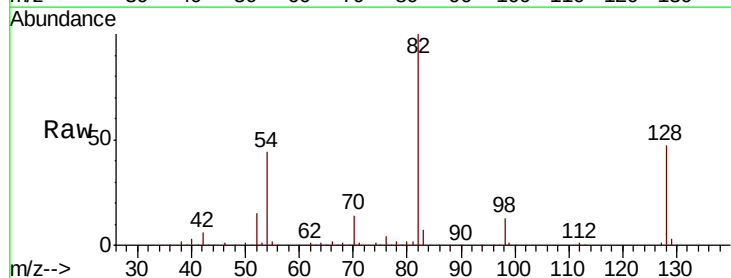


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

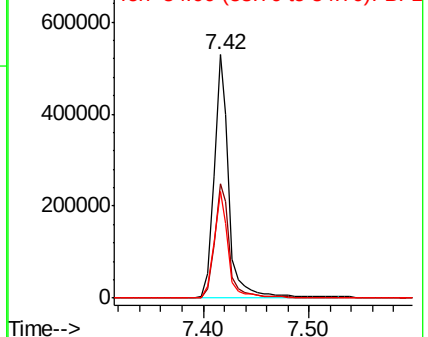
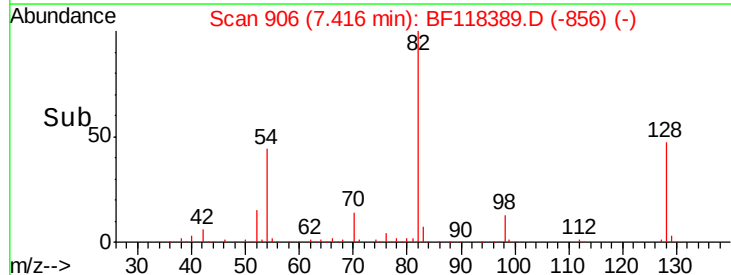


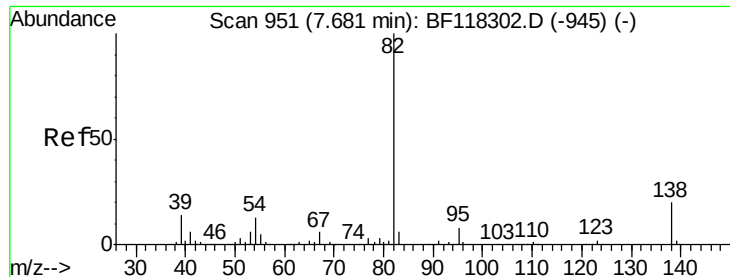
#23
Nitrobenzene-d5
Concen: 61.548 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Tgt Ion: 82	Resp:	526026
Ion	Ratio	Lower Upper
82	100	
128	46.9	39.6 59.4
54	43.7	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: 35.316 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

Instrument :

BNA_F

ClientSampleId :

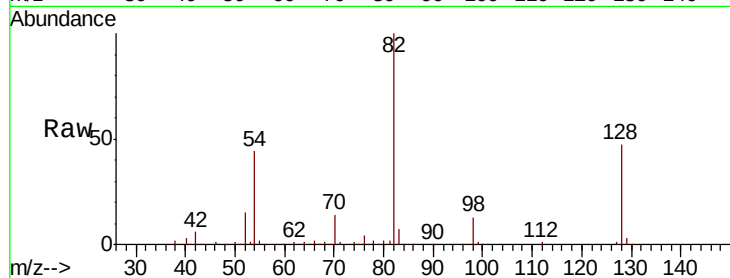
Tot Ion: 82 Resp: 526021

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

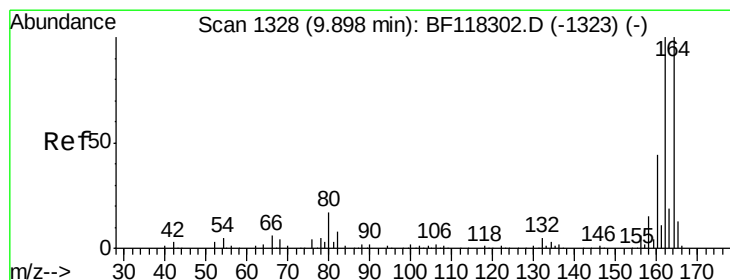
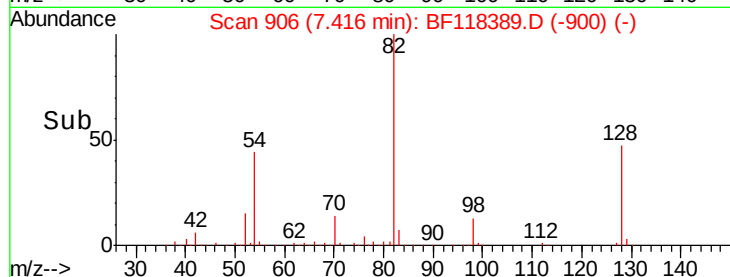
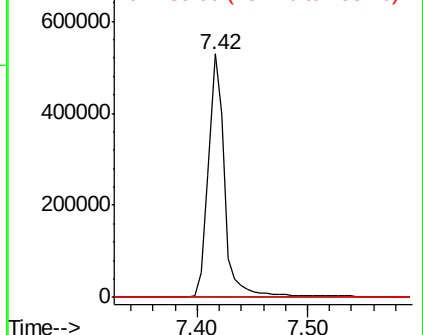
138 0.0 16.2 24.2#



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: BF118389.D

Acq: 30 Dec 2019 19:05

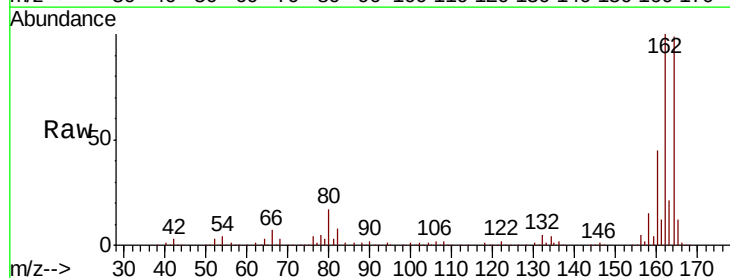
Tgt Ion: 164 Resp: 266454

Ion Ratio Lower Upper

164 100

162 100.6 80.0 120.0

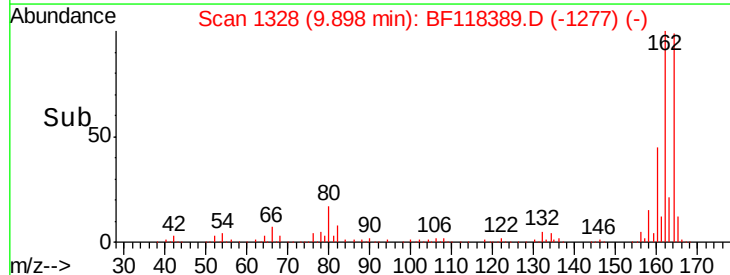
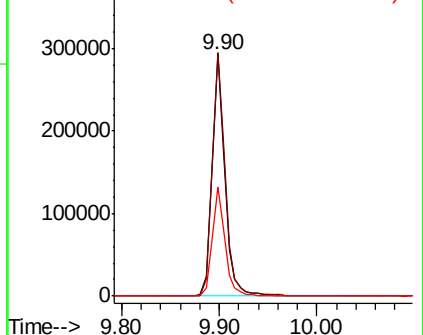
160 45.3 34.8 52.2

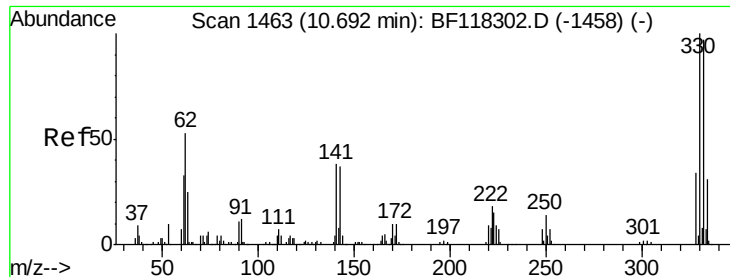


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

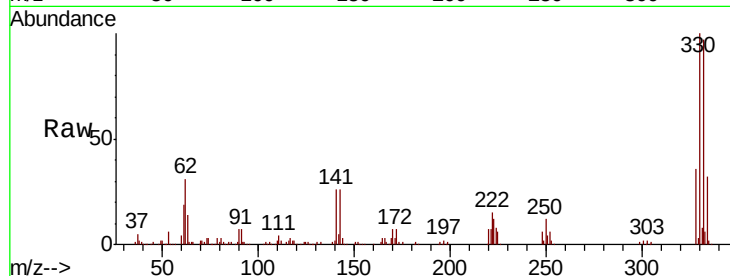




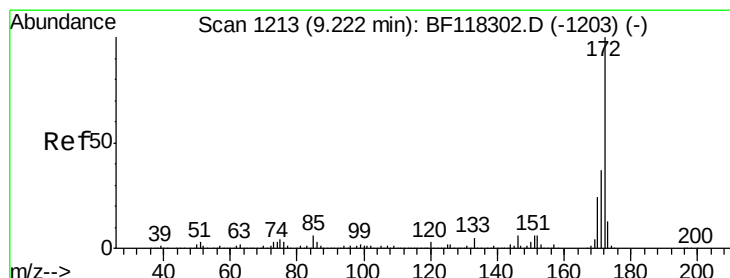
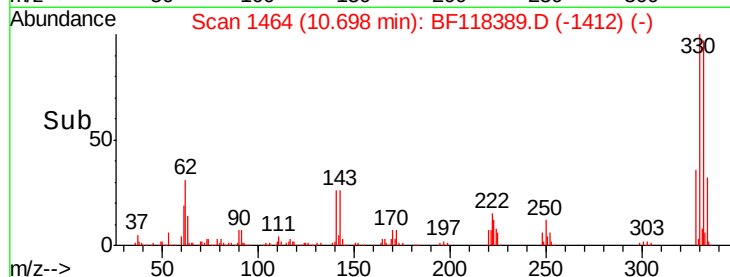
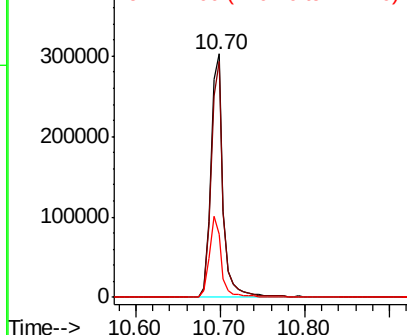
#42
 2,4,6-Tribromophenol
 Concen: 95.131 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118389.D
 Acq: 30 Dec 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 313030
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 32.3 26.0 39.0

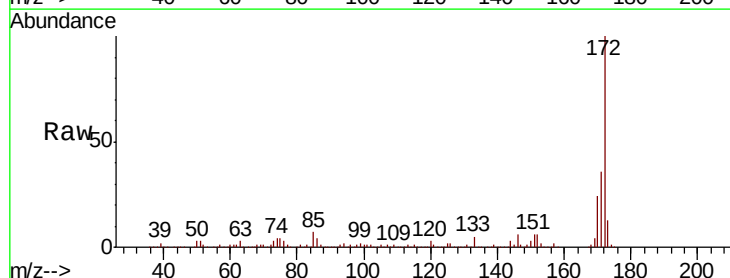


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

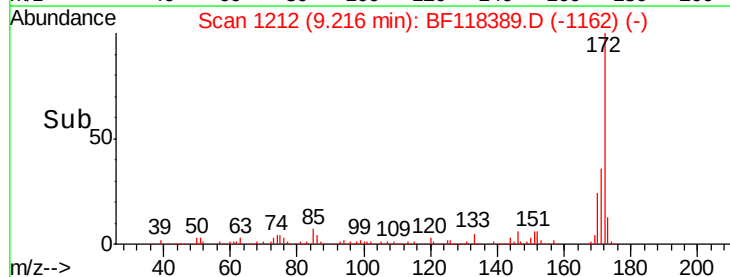
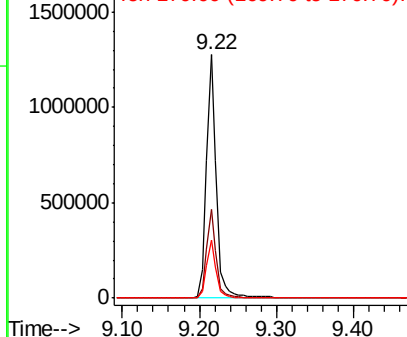


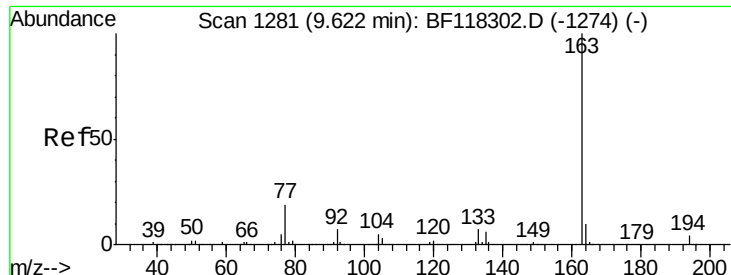
#45
 2-Fluorobiphenyl
 Concen: 65.670 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118389.D
 Acq: 30 Dec 2019 19:05

Tgt Ion:172 Resp: 1146306
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.3 43.9
 170 23.9 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: 4.521 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

Instrument :

BNA_F

ClientSampled :

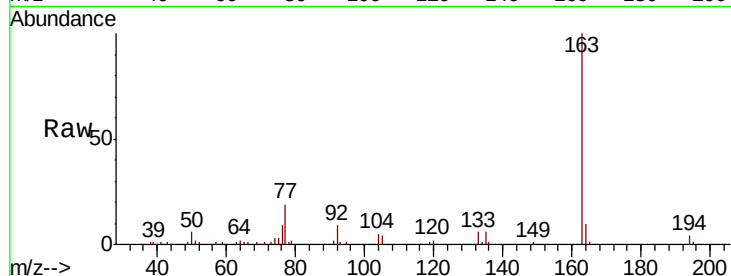
Tot Ion:163 Resp: 90424

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

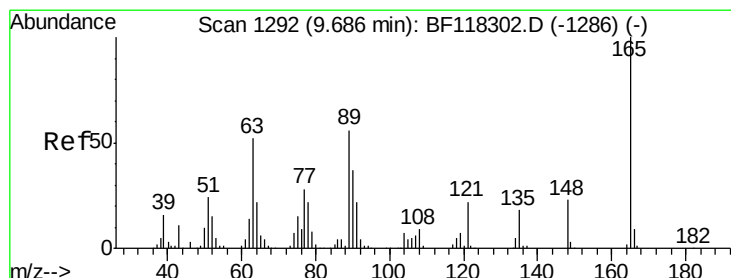
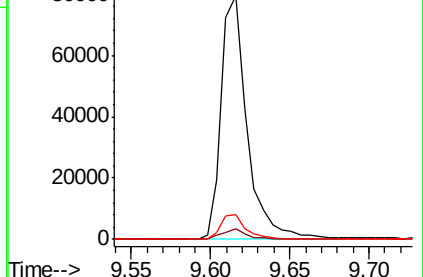
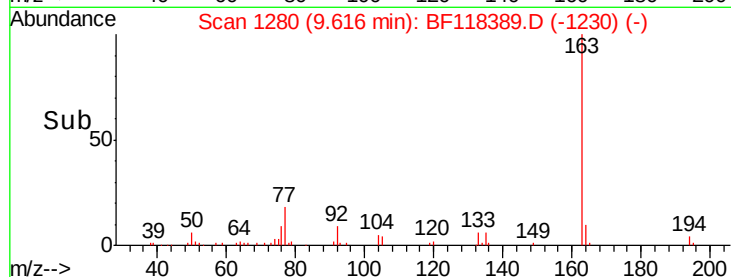
164 10.0 7.9 11.9



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



#51

2,6-Dinitrotoluene

Concen: 8.132 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

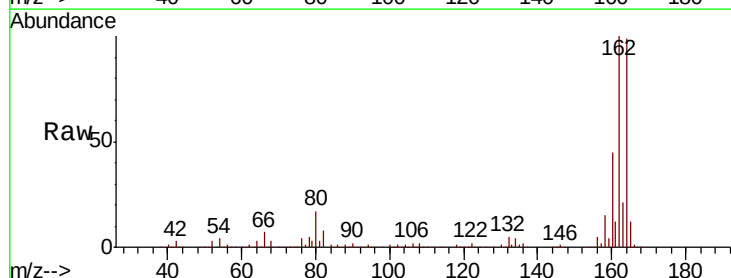
Tgt Ion:165 Resp: 35065

Ion Ratio Lower Upper

165 100

63 1.1 42.2 63.4#

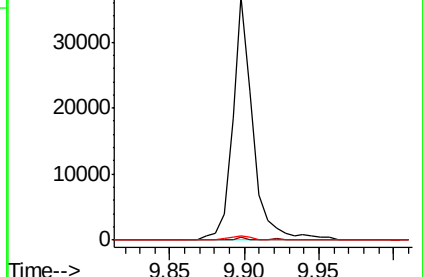
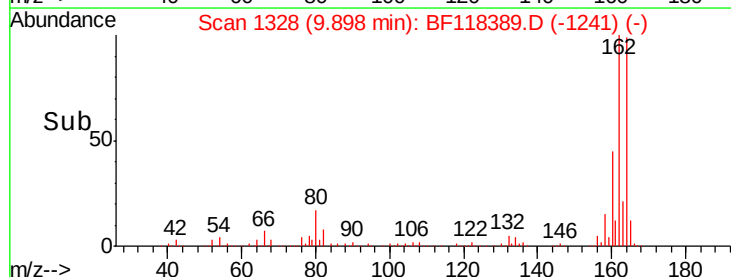
89 1.5 44.4 66.6#

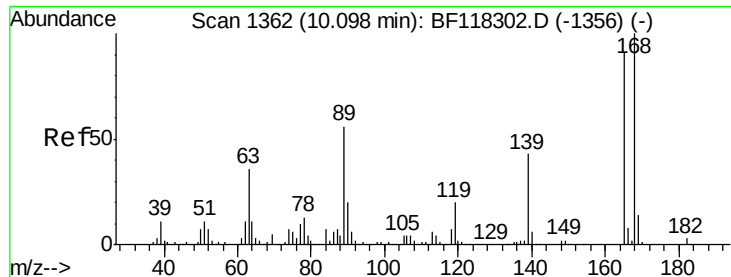


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

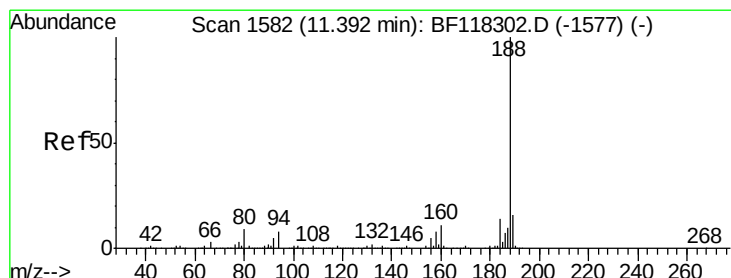
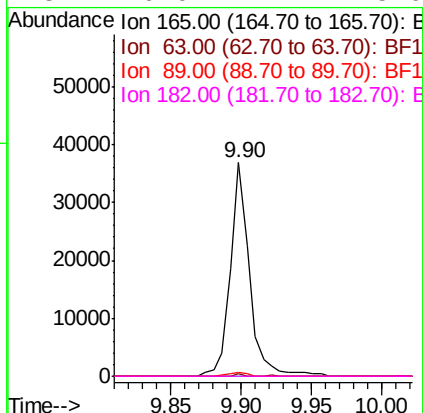
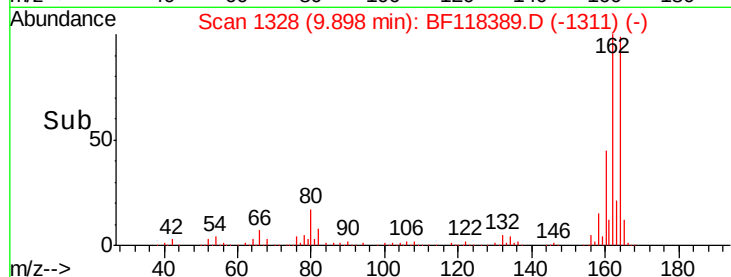
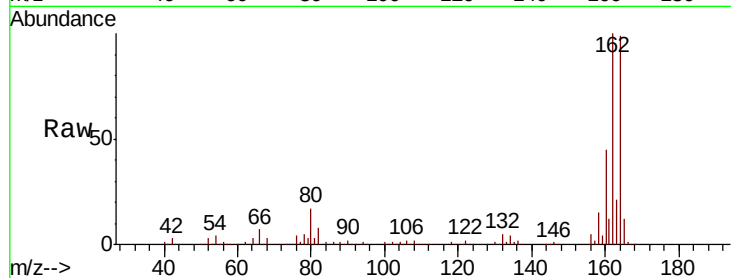




#57
 2,4-Dinitrotoluene
 Concen: 6.086 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118389.D
 Acq: 30 Dec 2019 19:05

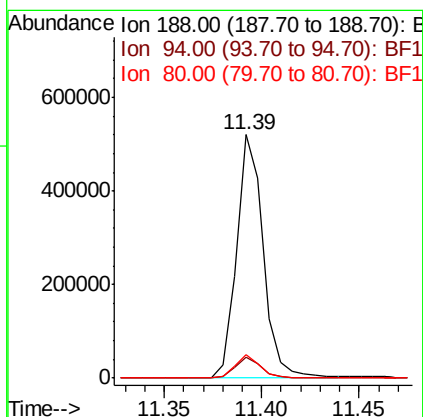
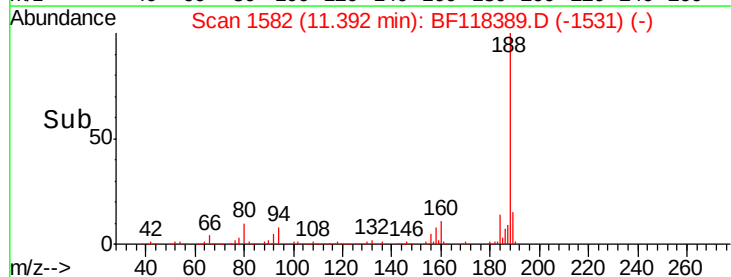
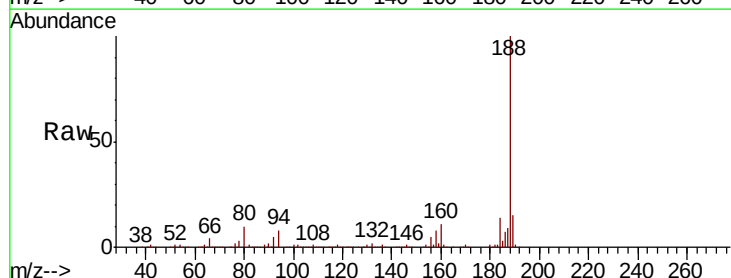
Instrument :
 BNA_F
 ClientSampled :

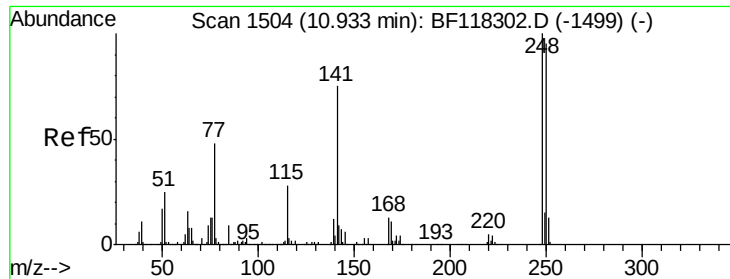
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.0	48.0#
89	1.5	49.3	73.9#
182	0.0	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118389.D
 Acq: 30 Dec 2019 19:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	9.5	7.2	10.8

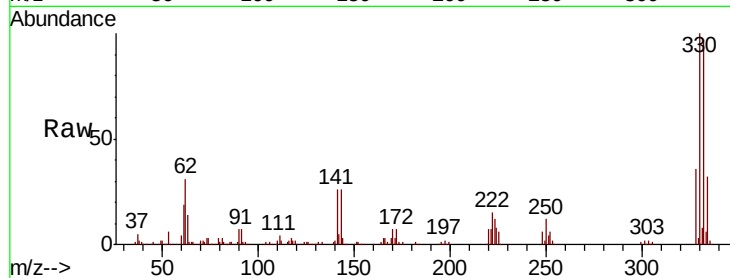




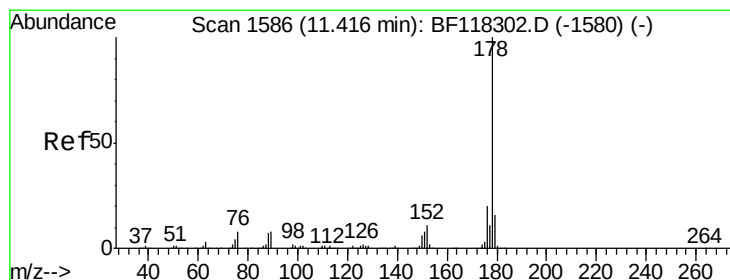
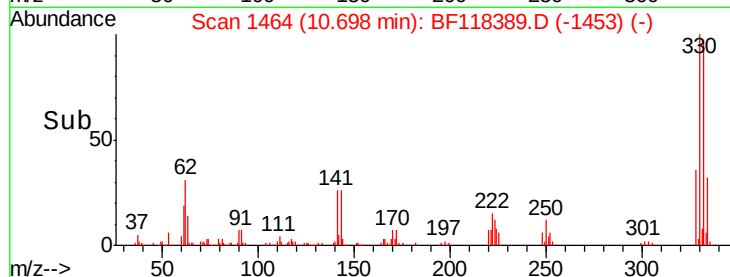
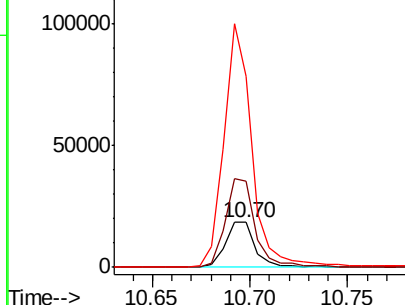
#67
4-Bromophenyl-phenylether
Concen: 3.438 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19704
Ion Ratio Lower Upper
248 100
250 190.8 76.4 114.6#
141 426.0 60.2 90.2#

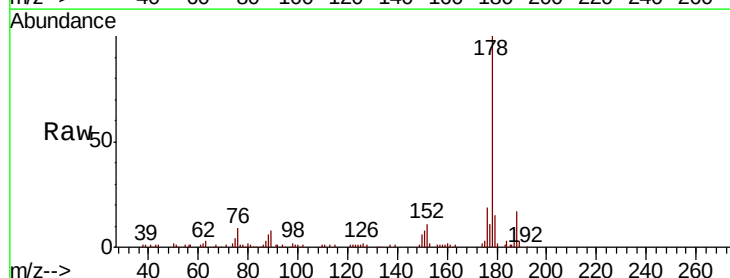


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

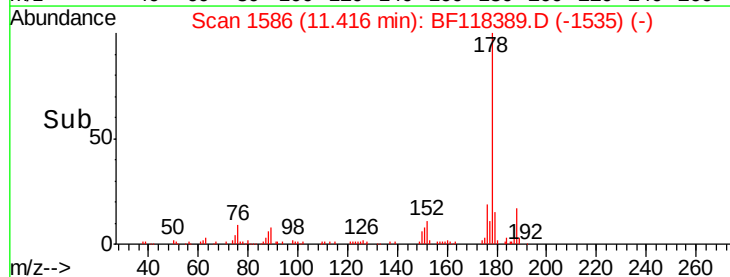
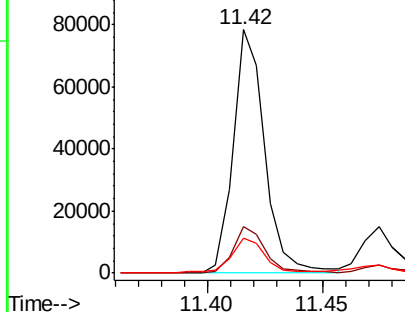


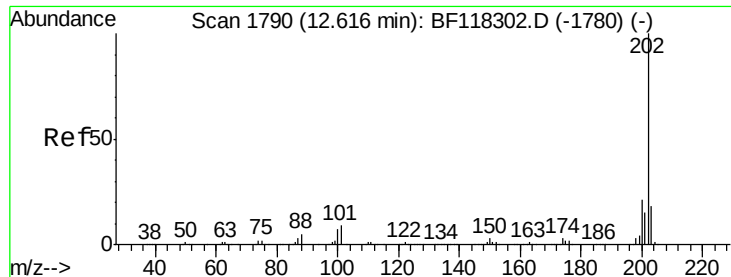
#71
Phenanthrene
Concen: 2.795 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Tgt Ion:178 Resp: 74612
Ion Ratio Lower Upper
178 100
176 18.9 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: 3.756 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118389.D

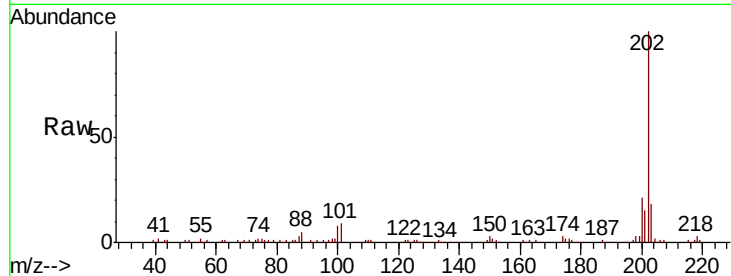
Acq: 30 Dec 2019 19:05

Instrument :

BNA_F

ClientSampled :

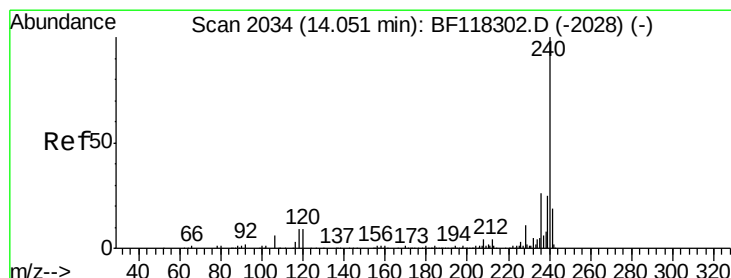
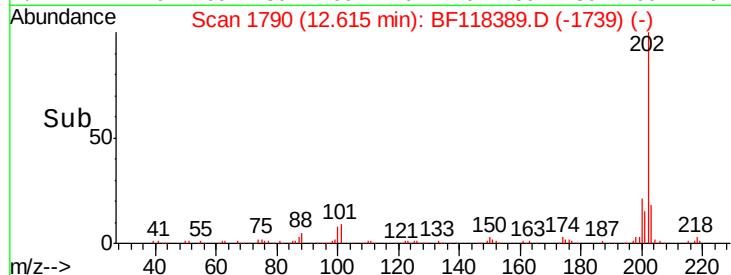
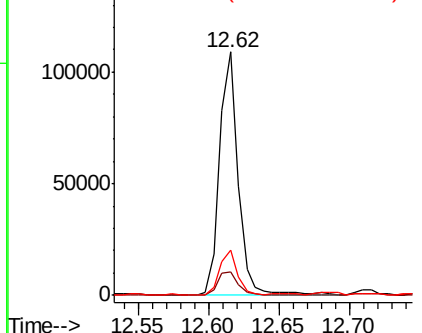
Tot Ion:	202	Resp:	101211
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.5
203	18.3	0.0	37.6



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

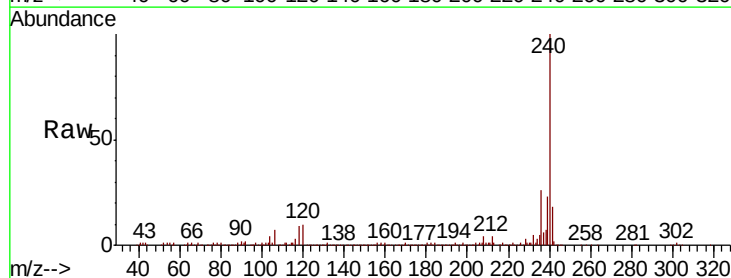
RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

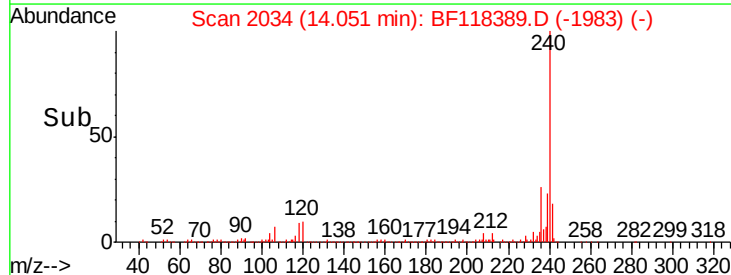
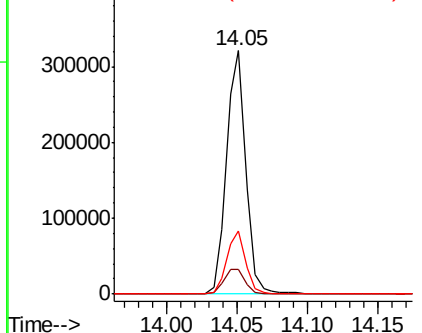
Tgt Ion:	240	Resp:	304926
Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.1	10.7
236	26.0	21.0	31.6

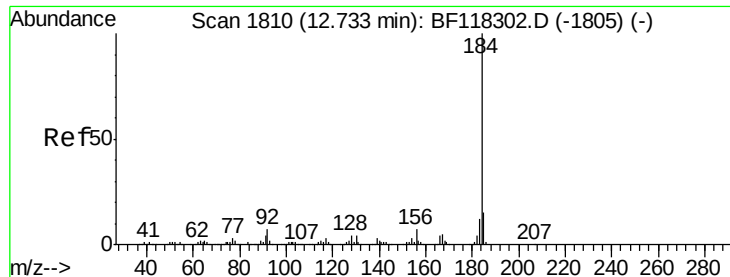


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.114 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

Instrument :

BNA_F

ClientSampleId :

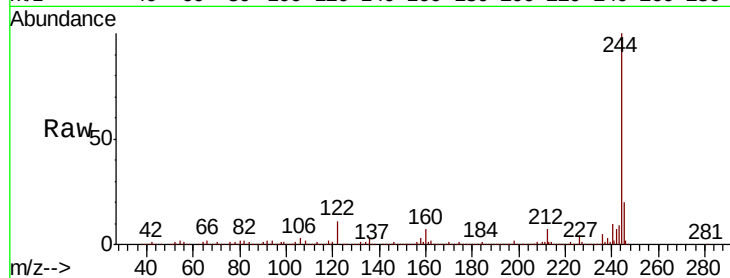
Tot Ion:184 Resp: 17665

Ion Ratio Lower Upper

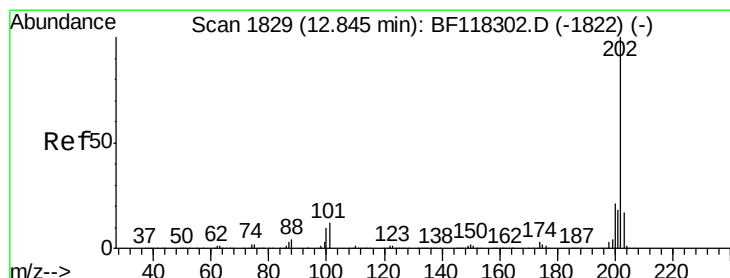
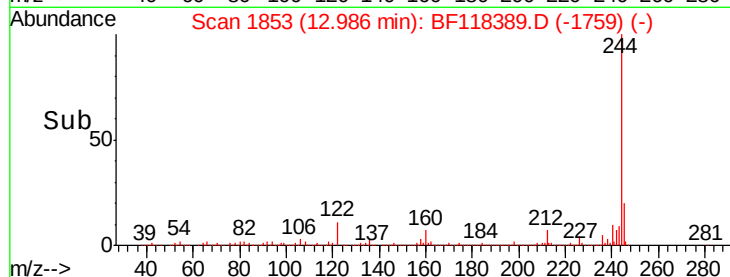
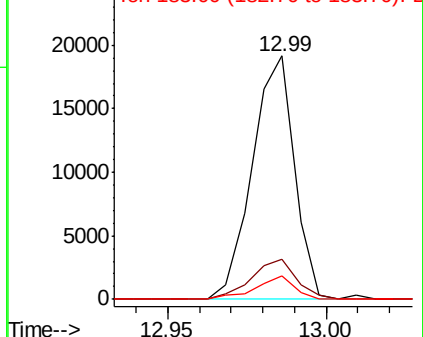
184 100

185 16.6 12.3 18.5

183 9.8 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: 3.581 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

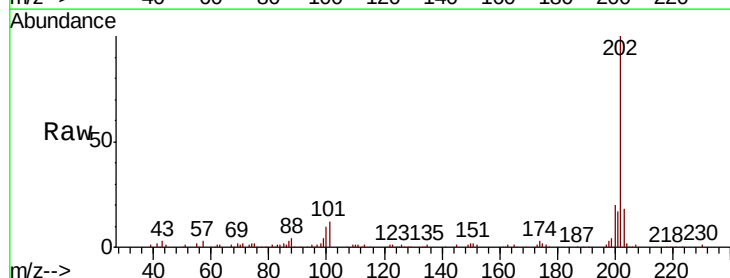
Tgt Ion:202 Resp: 89180

Ion Ratio Lower Upper

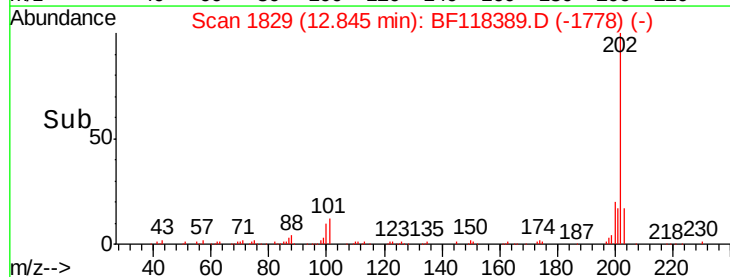
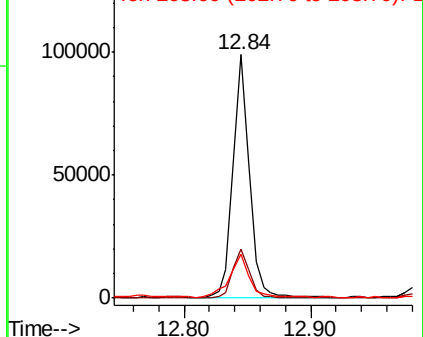
202 100

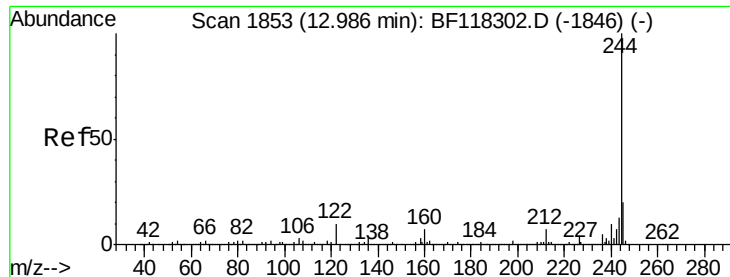
200 20.2 16.8 25.2

203 17.8 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: 70.600 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

Instrument :

BNA_F

ClientSampleId :

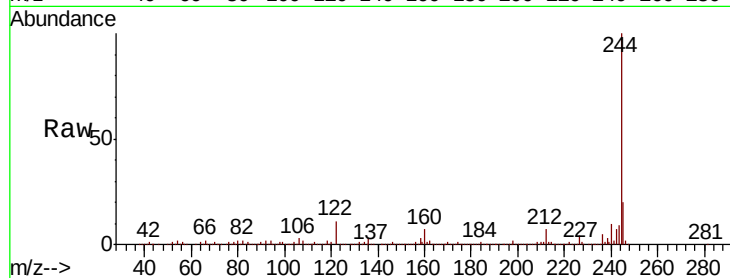
Tot Ion:244 Resp: 1297608

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

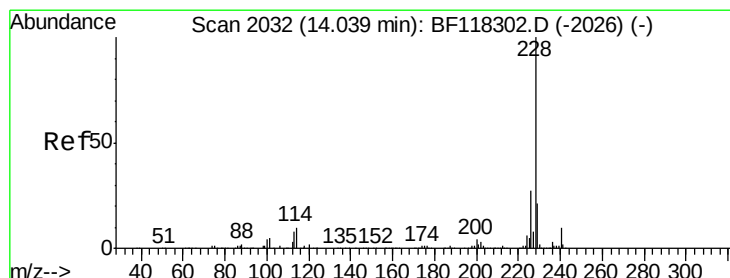
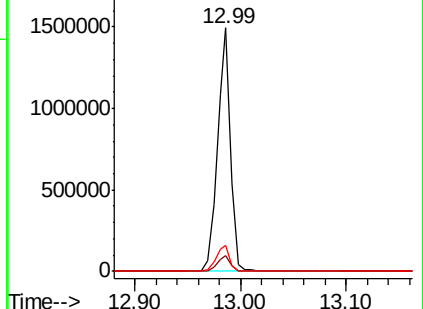
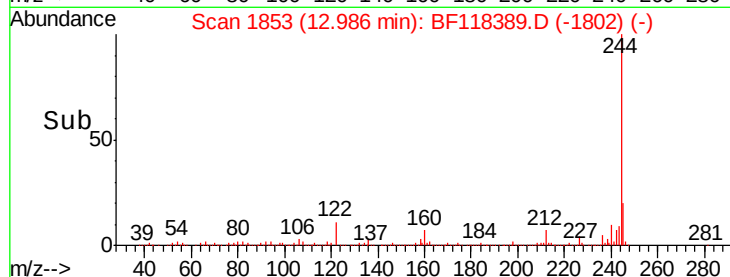
122 10.5 7.8 11.8



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: 2.092 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118389.D

Acq: 30 Dec 2019 19:05

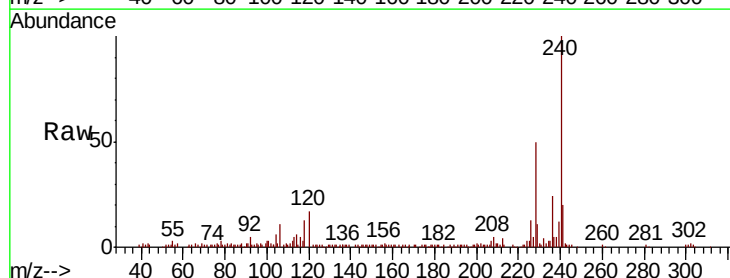
Tgt Ion:228 Resp: 44642

Ion Ratio Lower Upper

228 100

226 26.0 22.0 33.0

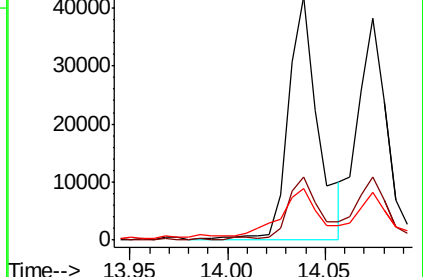
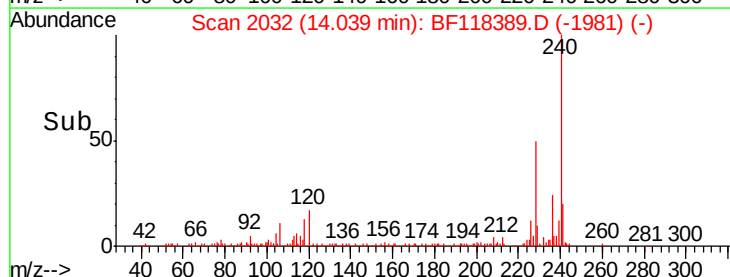
229 21.4 16.6 24.8

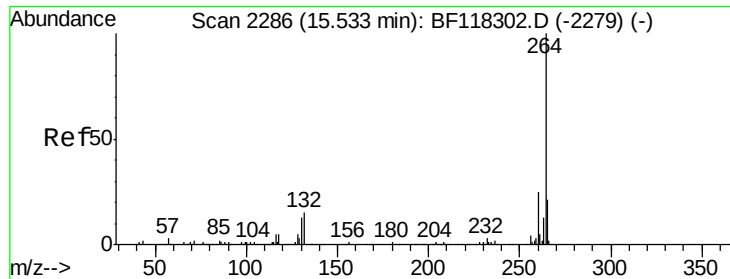


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

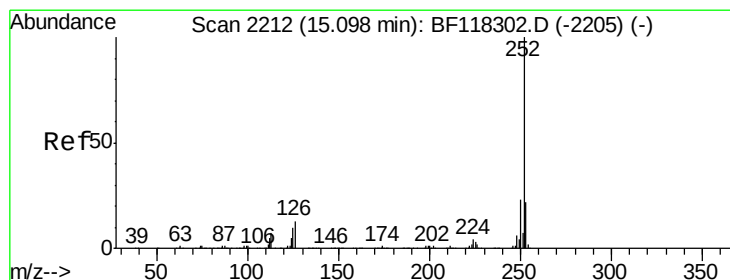
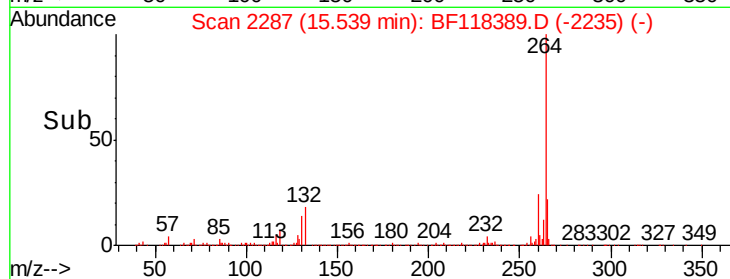
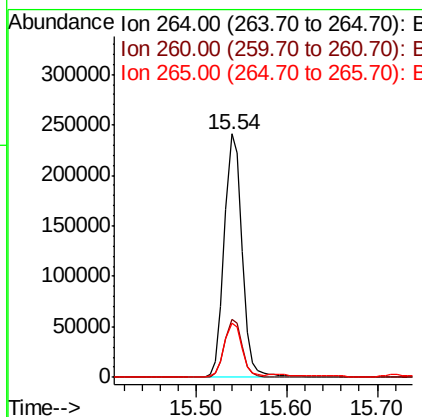
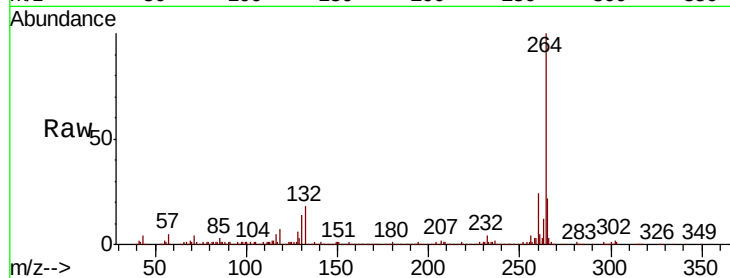




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

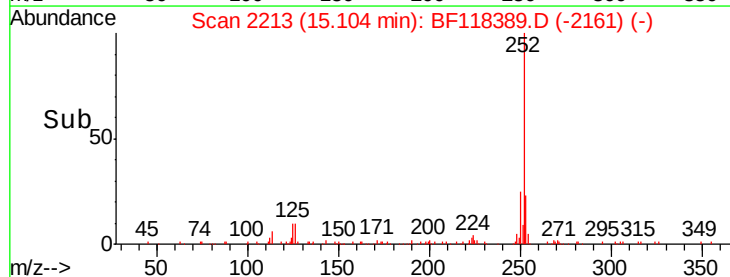
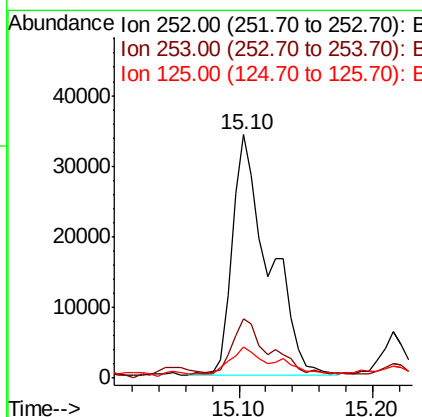
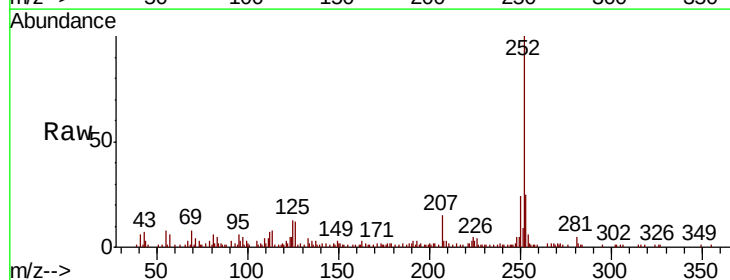
Instrument :
BNA_F
ClientSampleId :

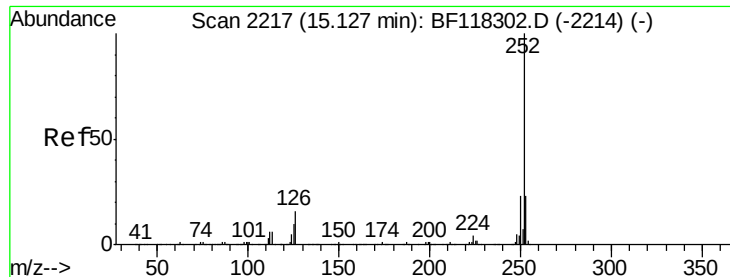
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.8	29.6
265	22.2	17.0	25.4



#88
Benzo(b)fluoranthene
Concen: 2.955 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	13.0	7.7	11.5

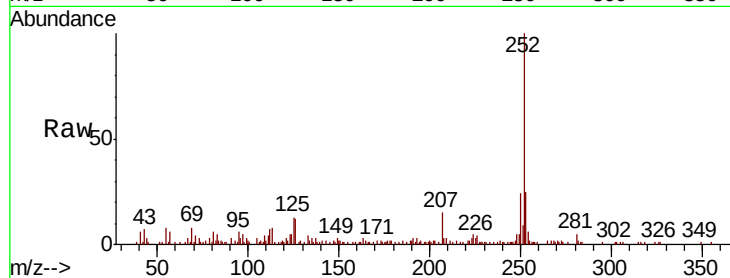




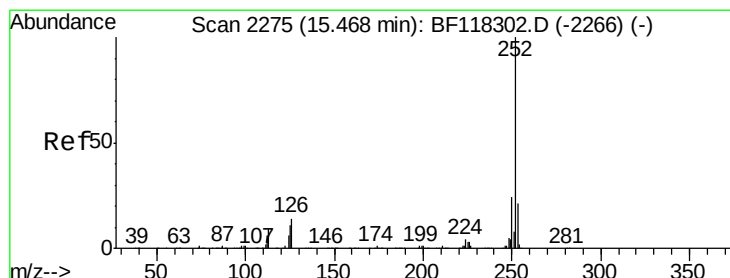
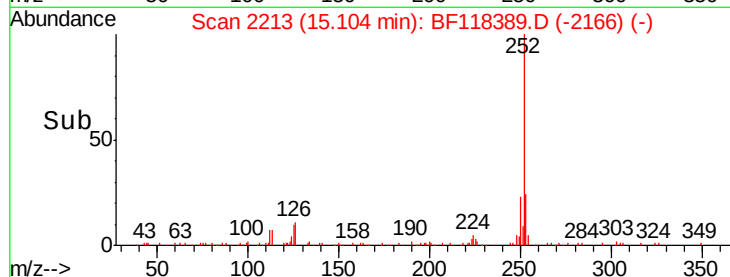
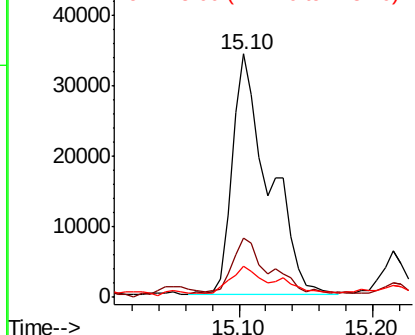
#89
Benzo(k)fluoranthene
Concen: 3.077 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	13.0	8.0	12.0

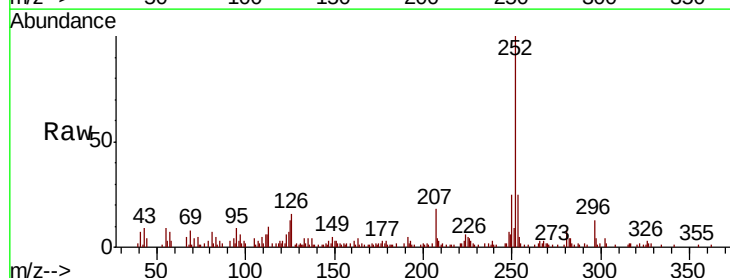


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

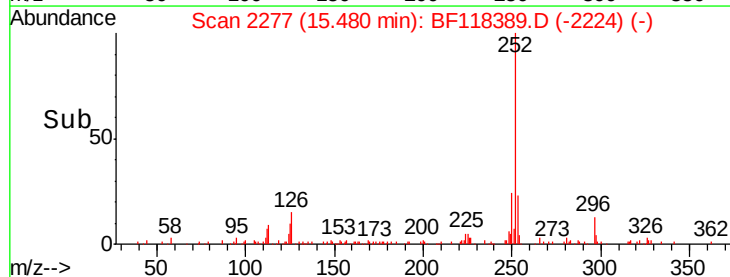
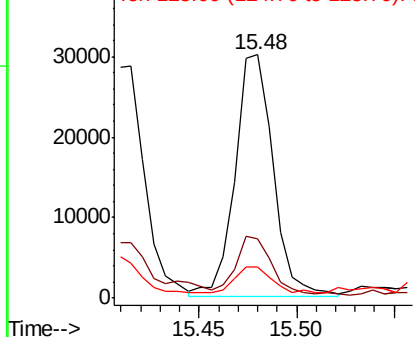


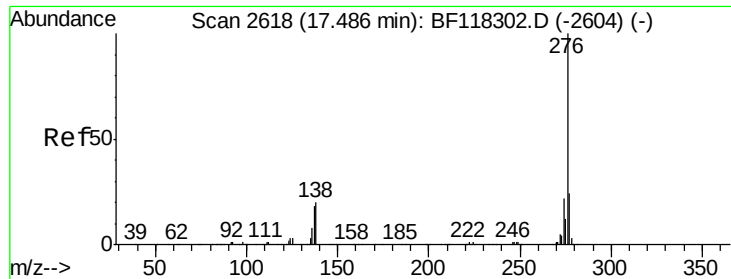
#90
Benzo(a)pyrene
Concen: 2.122 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118389.D
Acq: 30 Dec 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	12.9	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





#92
 Benzo(a,h,i)perylene
 Concen: 2.192 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. 0.02 min
 Lab File: BF118389.D
 Acq: 30 Dec 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.1	28.7
138	25.5	16.1	24.1

