

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118384.D
 Acq On : 30 Dec 2019 16:45
 Operator : JU
 Sample : K6456-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 00:38:20 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

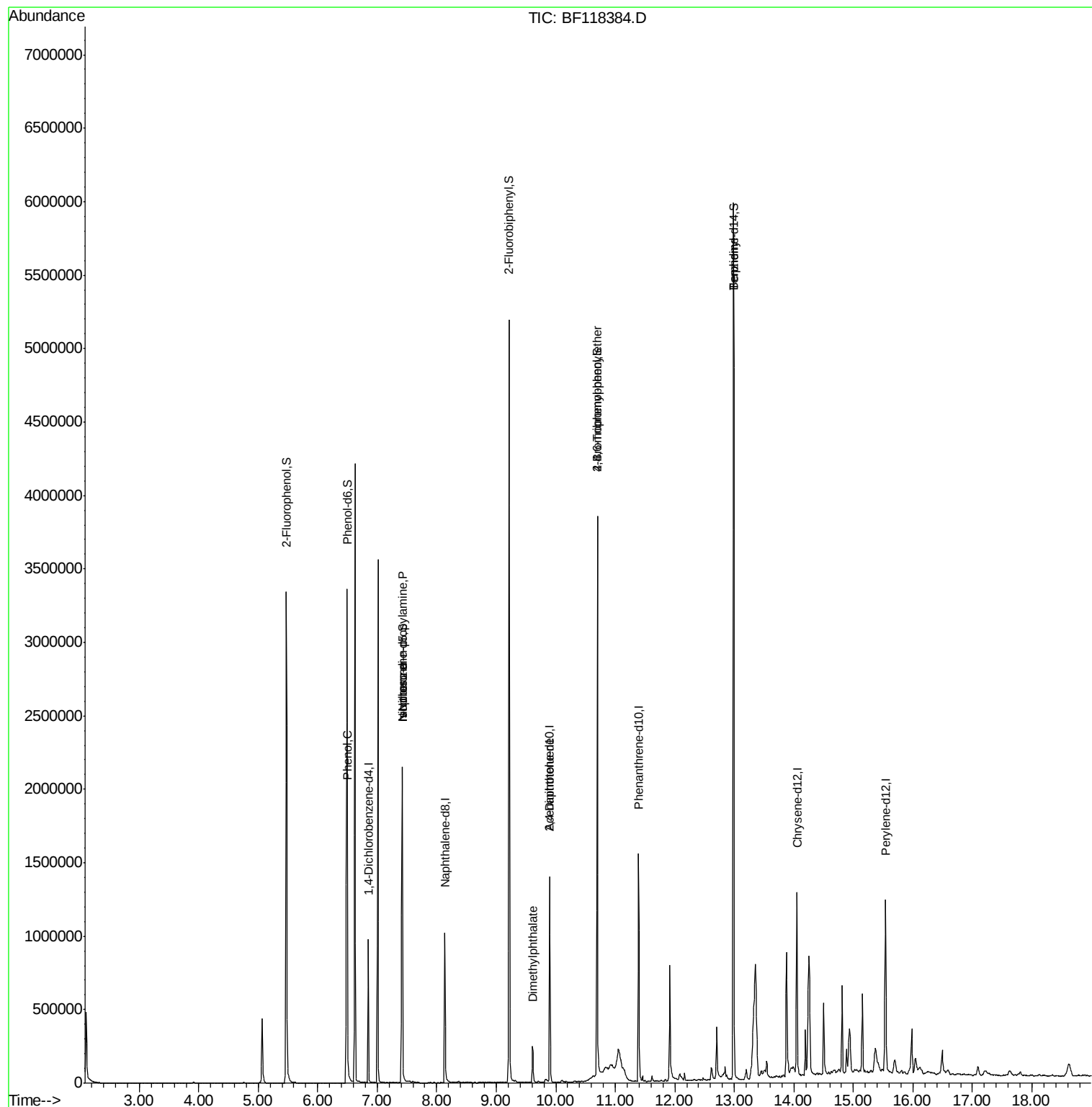
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136398	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	536559	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	292501	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	561004	20.00	ng	0.00
76) Chrysene-d12	14.05	240	421608	20.00	ng	0.00
87) Perylene-d12	15.54	264	389205	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1033883	129.39	ng	0.01
7) Phenol-d6	6.49	99	1309822	132.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	797337	84.99	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	483413	133.83	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1681523	87.75	ng	0.00
79) Terphenyl-d14	12.99	244	2190809	86.21	ng	0.00
Target Compounds						
10) Phenol	6.50	94	23294	2.091	ng	85
19) n-Nitroso-di-n-propylamine	7.42	70	108870	17.829	ng	# 75
25) Isophorone	7.42	82	793039	48.505	ng	# 62
50) Dimethylphthalate	9.61	163	113123	5.152	ng	98
57) 2,4-Dinitrotoluene	9.90	165	36679	5.799	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	29498	4.493	ng	# 1
77) Benzidine	12.99	184	31329	2.712	ng	# 95

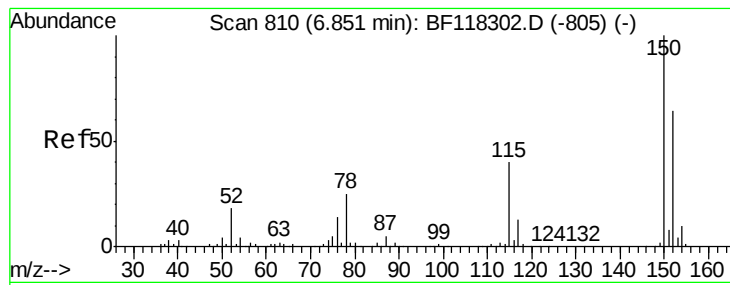
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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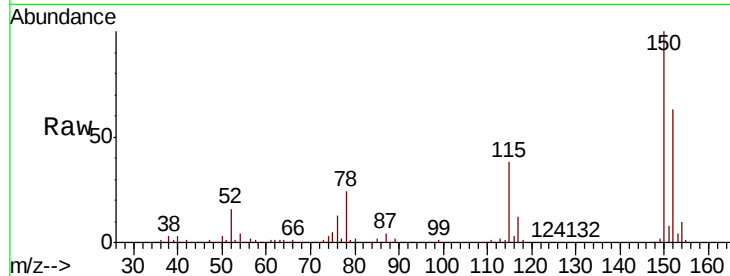


#1

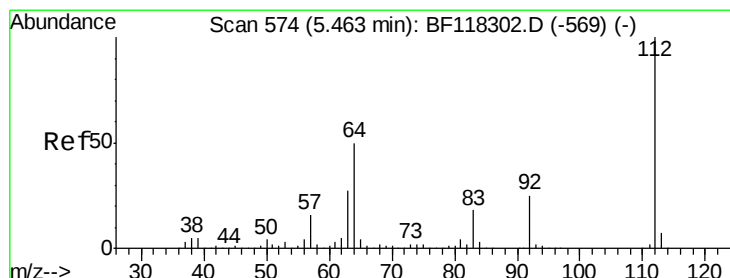
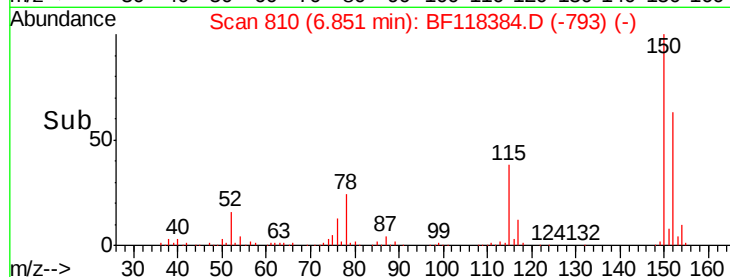
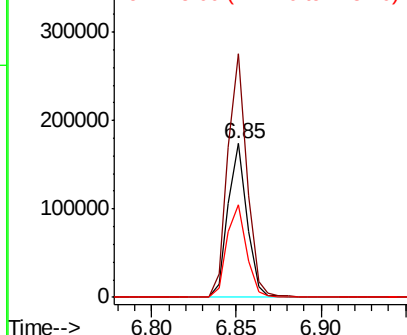
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136398
Ion Ratio Lower Upper
152 100
150 158.6 125.4 188.2
115 60.7 50.2 75.4



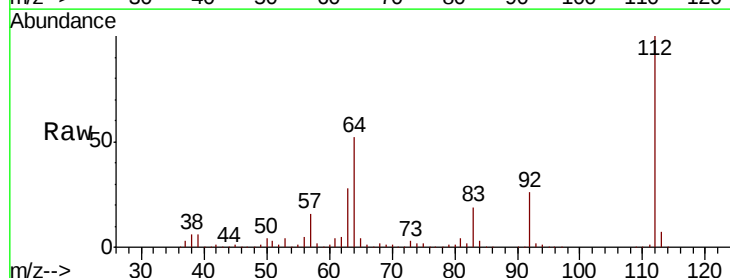
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



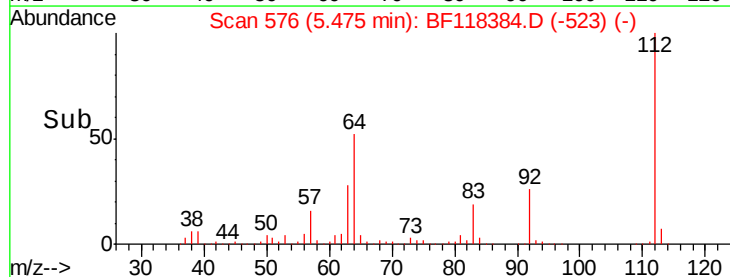
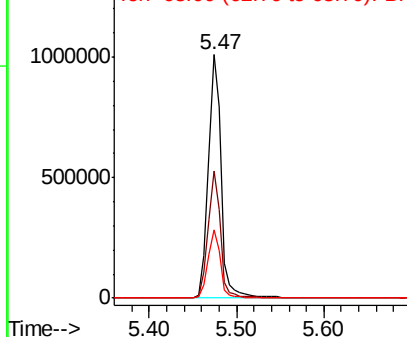
#5

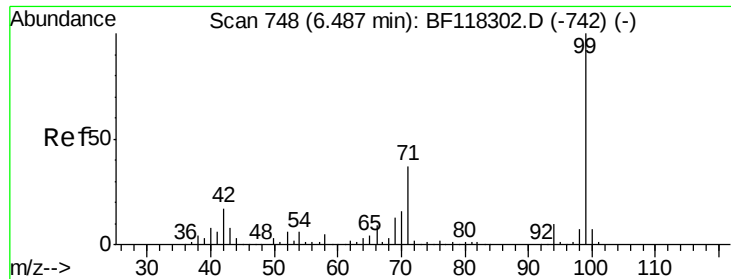
2-Fluorophenol
Concen: 129.388 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Tgt Ion:112 Resp: 1033883
Ion Ratio Lower Upper
112 100
64 52.3 39.7 59.5
63 28.1 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: 132.138 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

Instrument :

BNA_F

ClientSampleId :

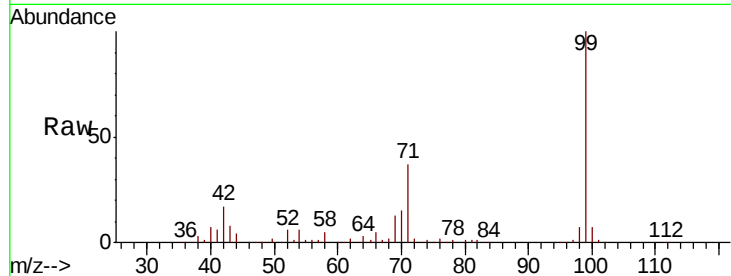
Tot Ion: 99 Resp: 1309822

Ion Ratio Lower Upper

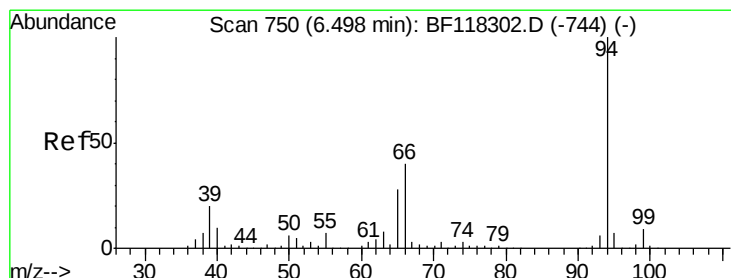
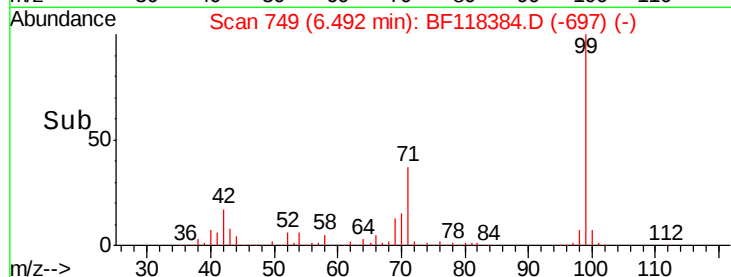
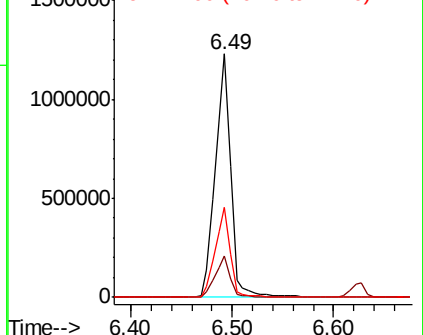
99 100

42 16.8 13.5 20.3

71 37.1 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: 2.091 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

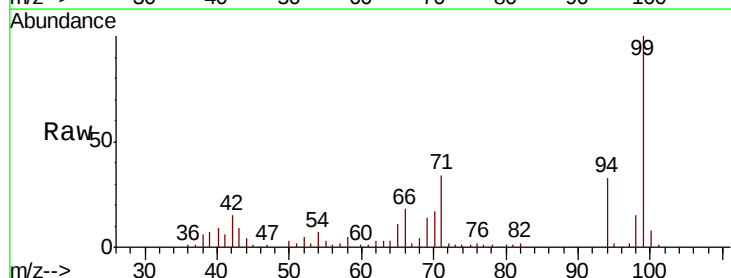
Tgt Ion: 94 Resp: 23294

Ion Ratio Lower Upper

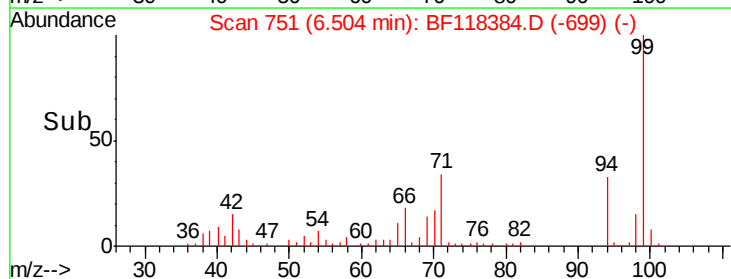
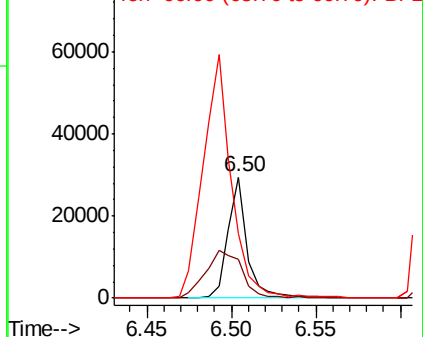
94 100

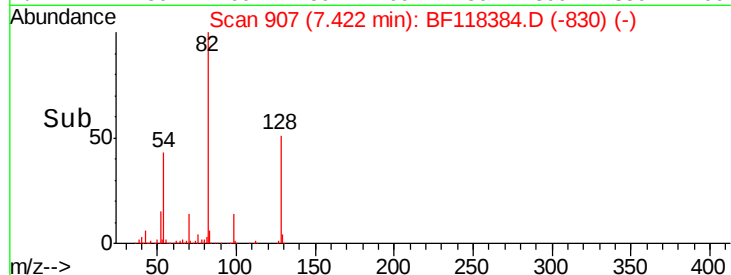
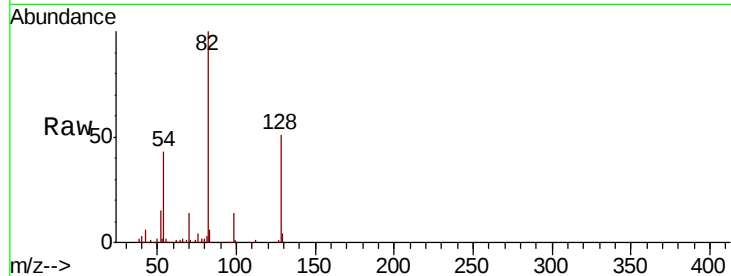
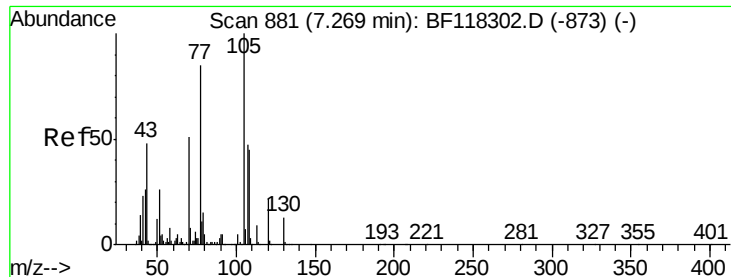
65 32.3 7.8 47.8

66 52.6 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

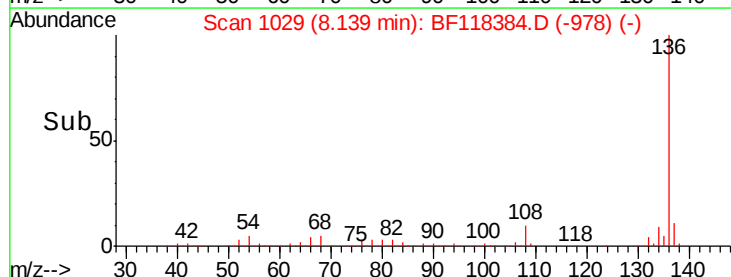
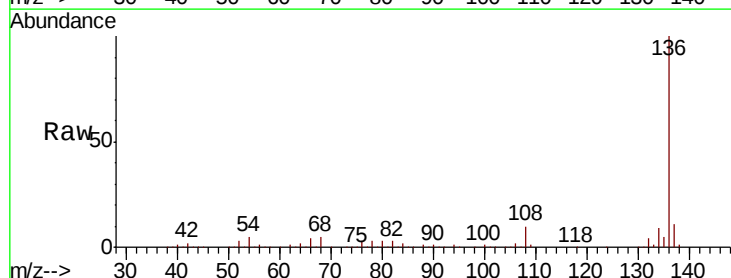
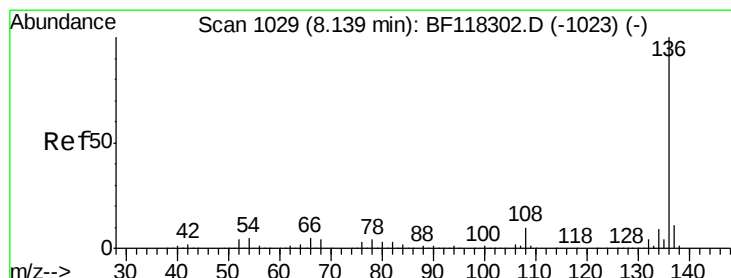
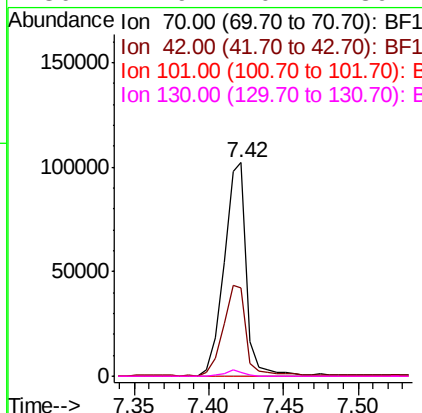




#19
n-Nitroso-di-n-propylamine
Concen: 17.829 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

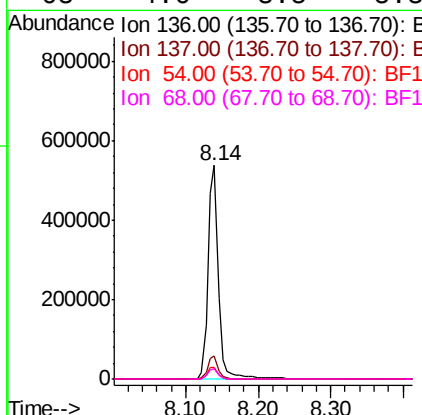
Instrument :
BNA_F
ClientSampleId :

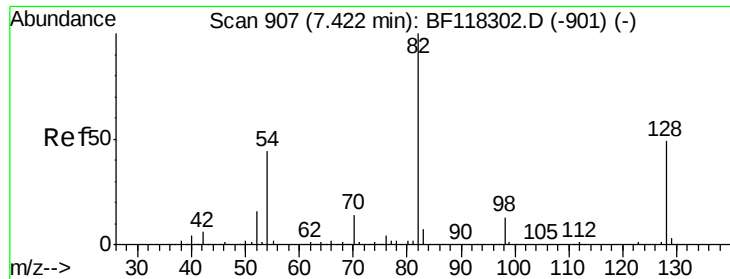
Tot Ion: 70 Resp: 108870
Ion Ratio Lower Upper
70 100
42 41.6 41.1 61.7
101 0.0 8.3 12.5#
130 1.9 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Tgt Ion: 136 Resp: 536559
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 5.2 4.2 6.4
68 4.6 3.5 5.3

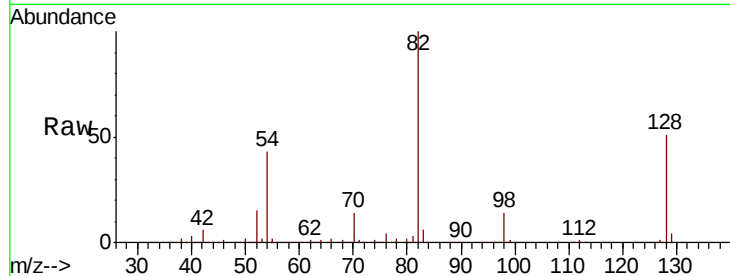




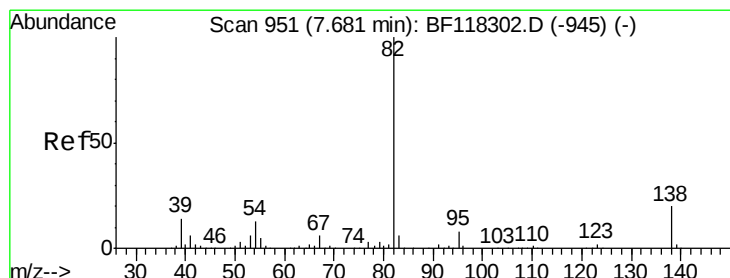
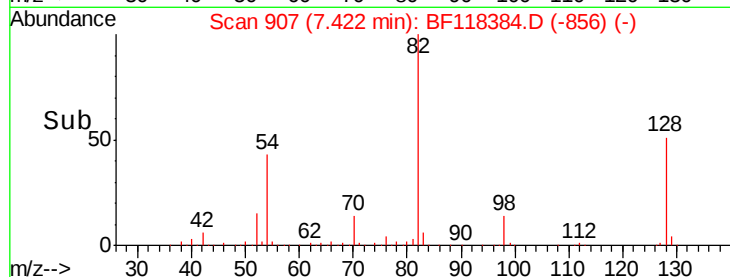
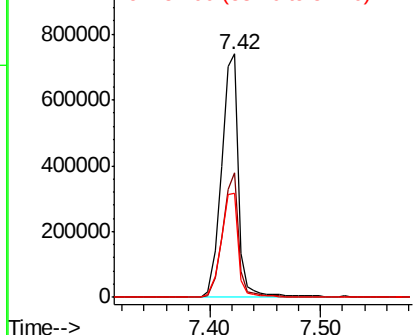
#23
Nitrobenzene-d5
Concen: 84.993 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	797337
Ion Ratio	100	Lower	Upper
128	51.1	39.6	59.4
54	42.5	34.9	52.3

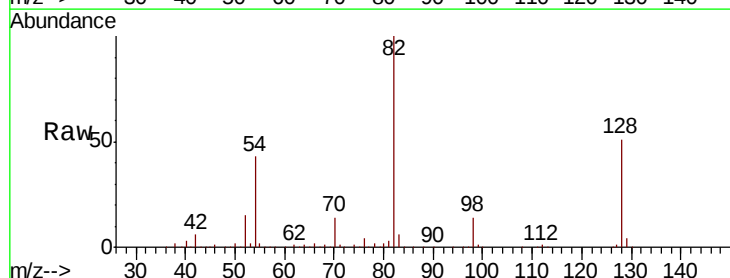


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

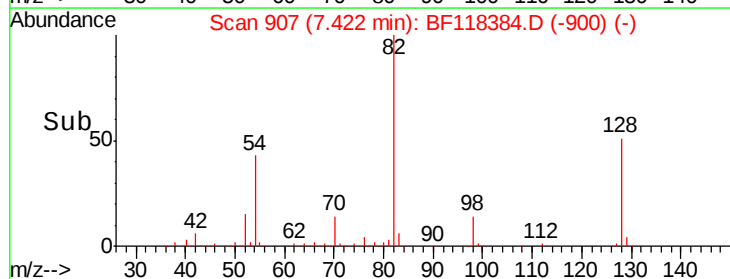
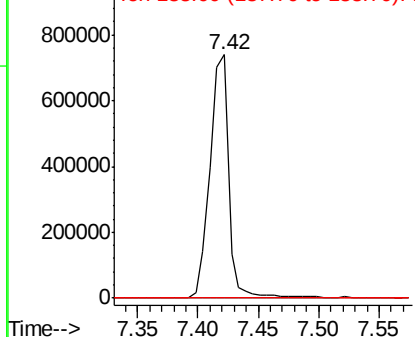


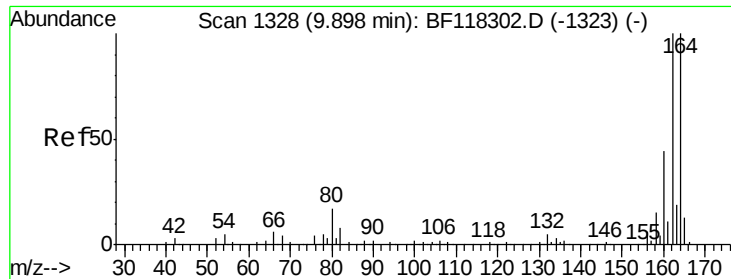
#25
Isophorone
Concen: 48.505 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Tgt Ion	82	Resp	793039
Ion Ratio	100	Lower	Upper
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

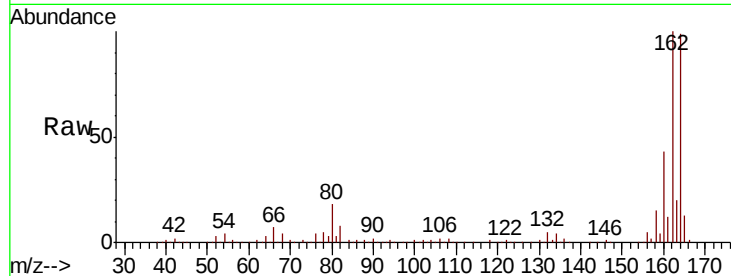




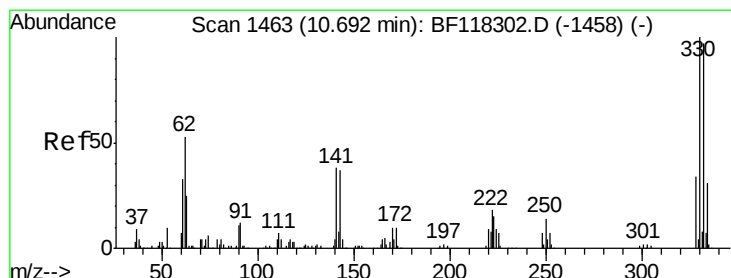
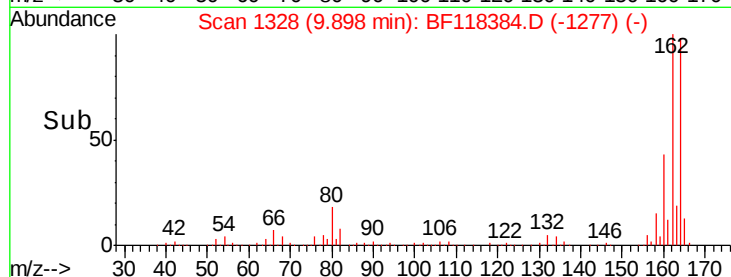
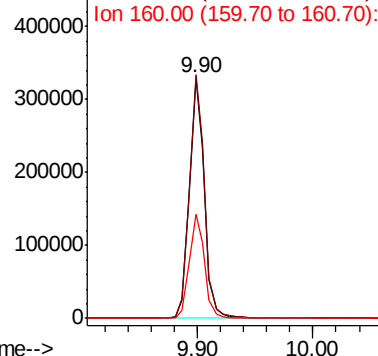
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 292501
Ion Ratio Lower Upper
164 100
162 101.5 80.0 120.0
160 43.2 34.8 52.2

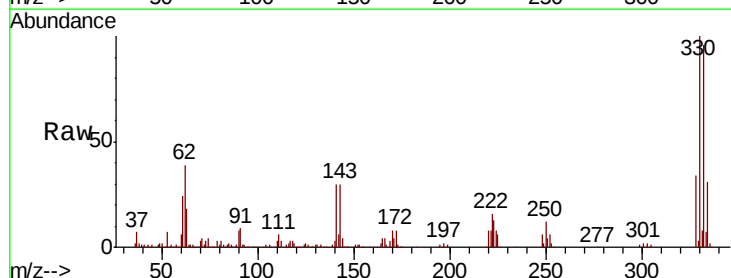


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

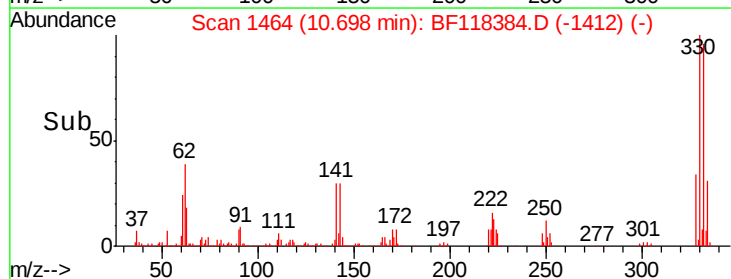
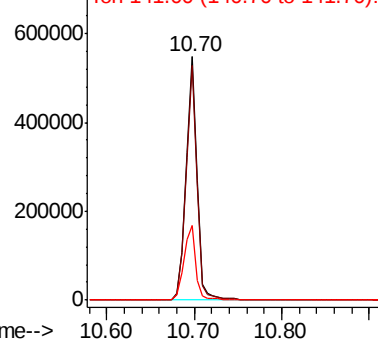


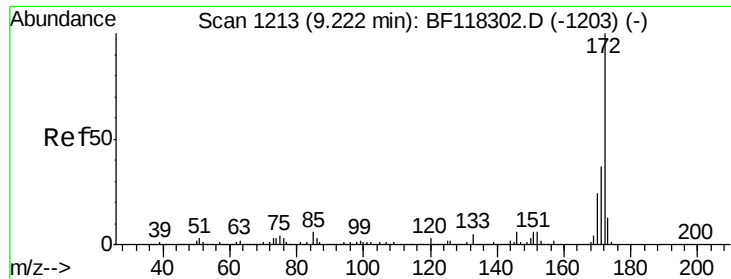
#42
2,4,6-Tribromophenol
Concen: 133.829 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Tgt Ion:330 Resp: 483413
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 32.4 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

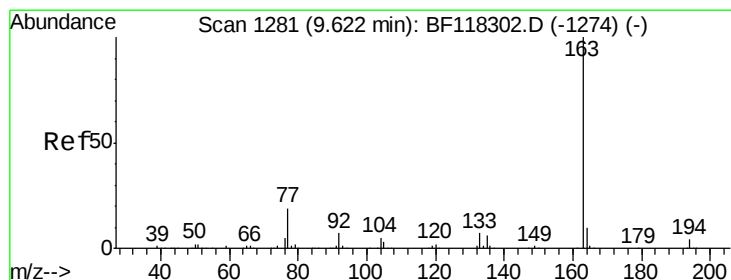
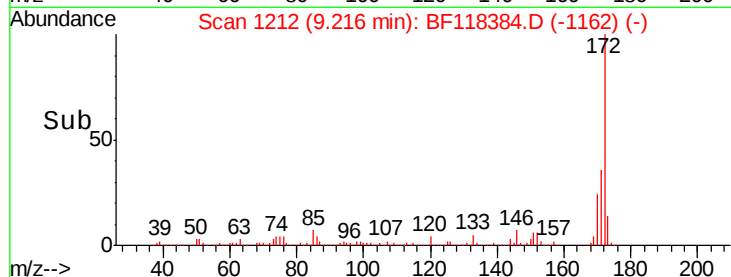
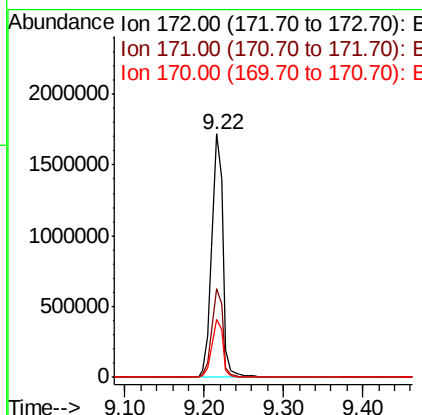
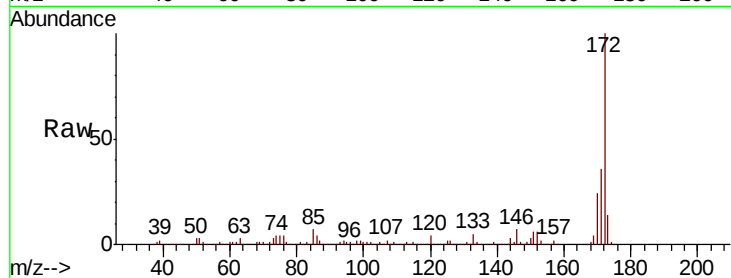




#45
2-Fluorobiphenyl
Concen: 87.753 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

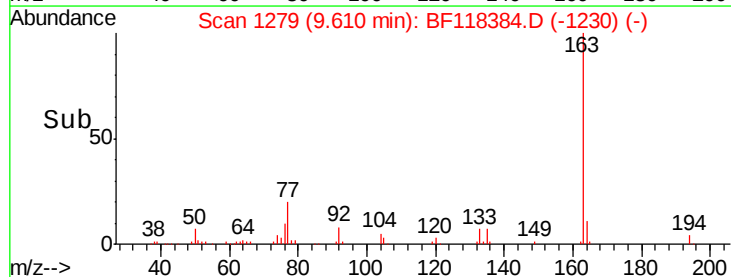
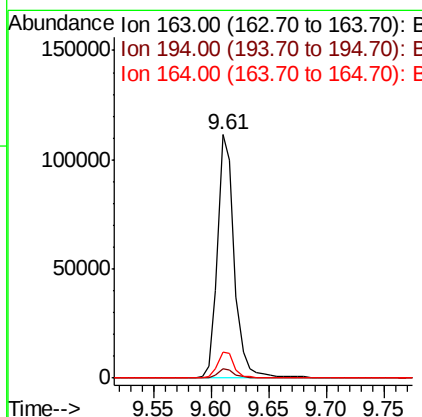
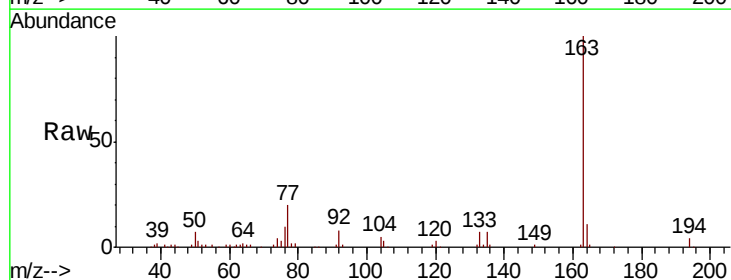
Instrument :
BNA_F
ClientSampleId :

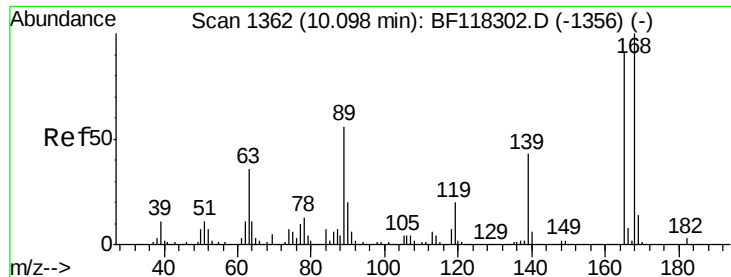
Tot Ion:172 Resp: 1681523
Ion Ratio Lower Upper
172 100
171 36.2 29.3 43.9
170 23.8 19.2 28.8



#50
Dimethylphthalate
Concen: 5.152 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Tgt Ion:163 Resp: 113123
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.6 7.9 11.9

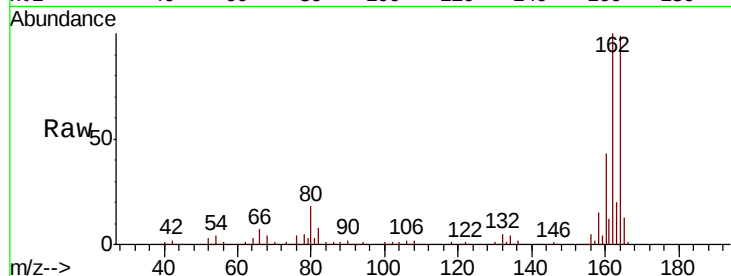




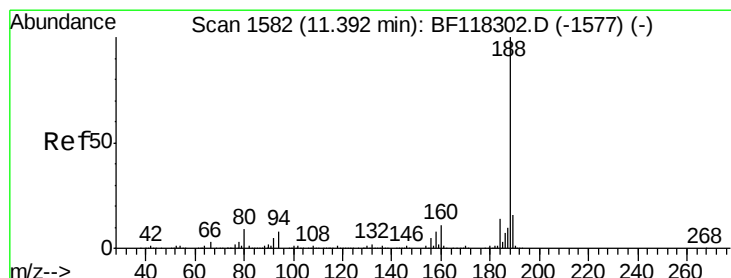
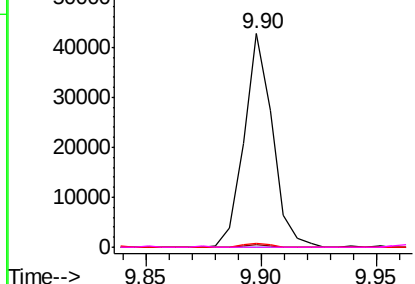
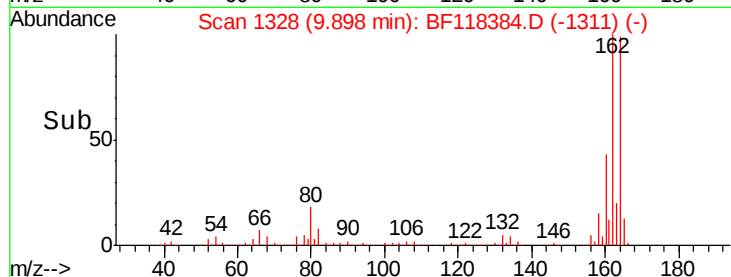
#57
 2,4-Dinitrotoluene
 Concen: 5.799 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118384.D
 Acq: 30 Dec 2019 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.0	48.0#
89	1.7	49.3	73.9#
182	0.0	2.4	3.6#

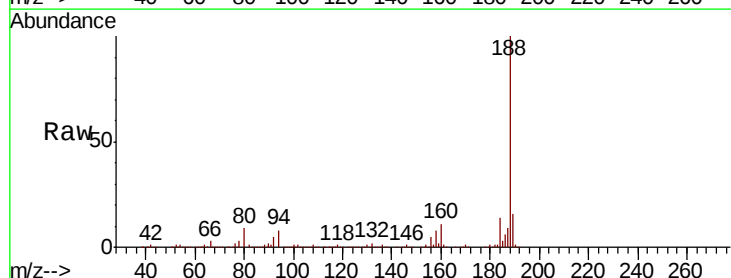


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

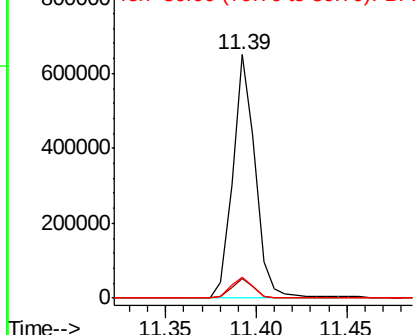
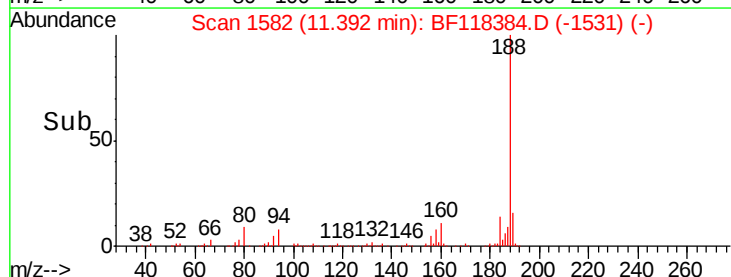


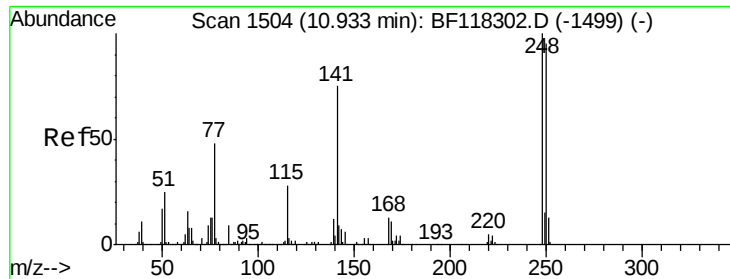
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF118384.D
 Acq: 30 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.8	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

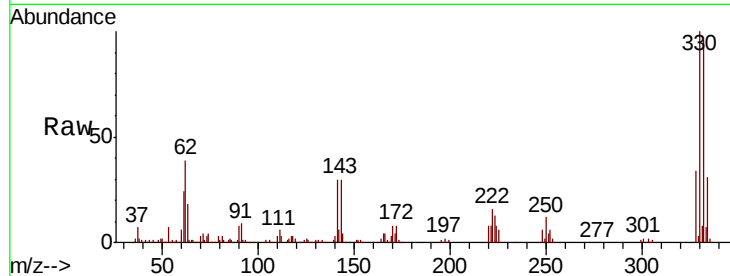




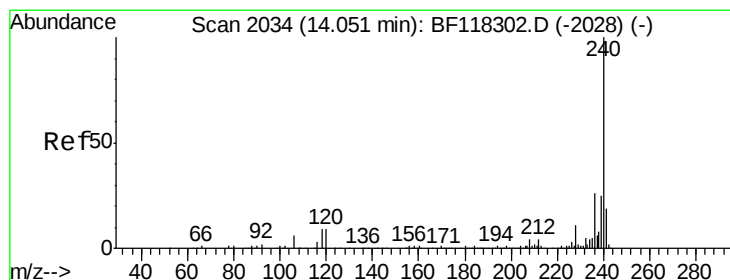
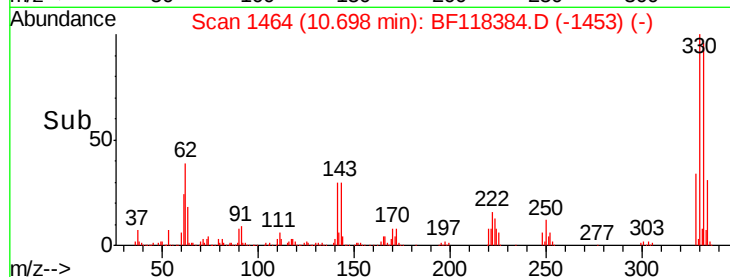
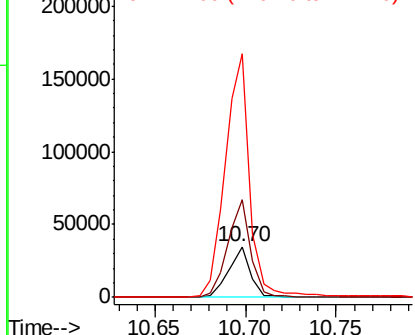
#67
4-Bromophenyl-phenylether
Concen: 4.493 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 29498
Ion Ratio Lower Upper
248 100
250 192.9 76.4 114.6#
141 479.5 60.2 90.2#

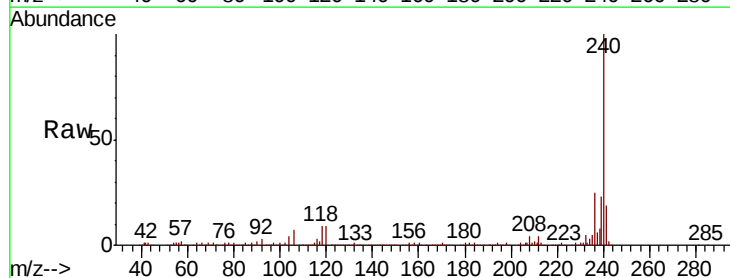


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

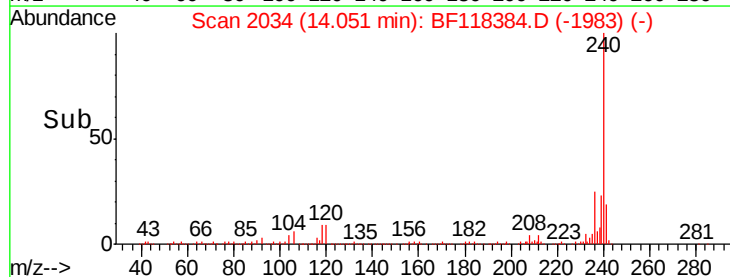
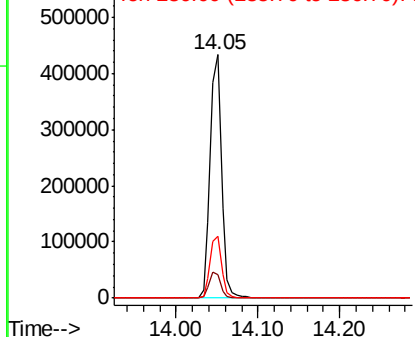


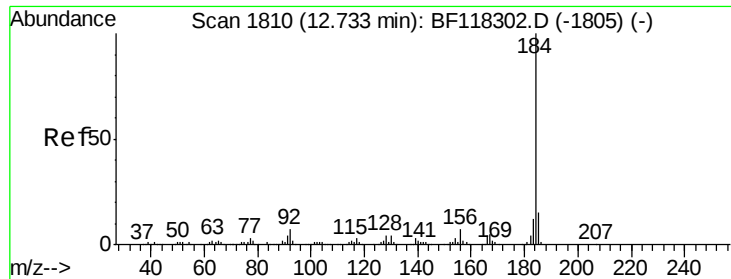
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Tgt Ion:240 Resp: 421608
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 25.2 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: 2.712 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

Instrument :

BNA_F

ClientSampleId :

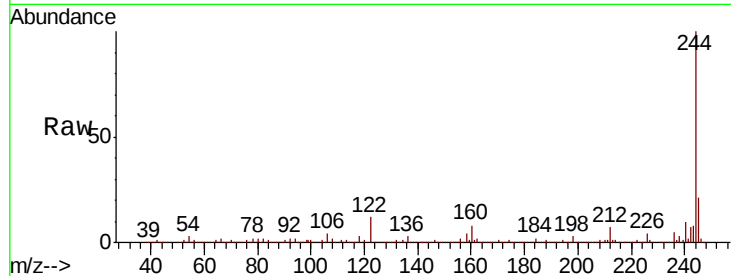
Tot Ion:184 Resp: 31329

Ion Ratio Lower Upper

184 100

185 15.2 12.3 18.5

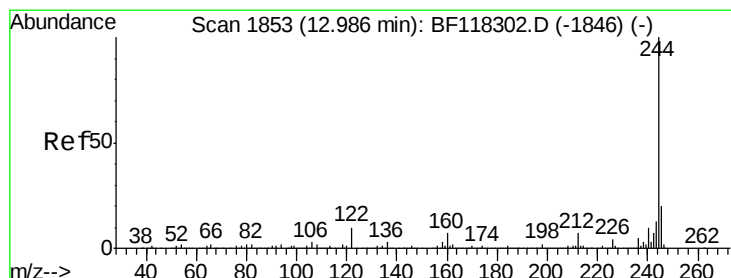
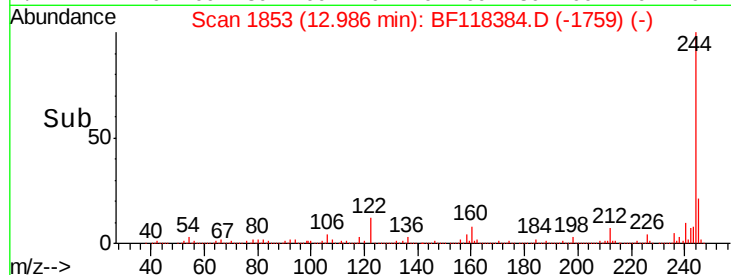
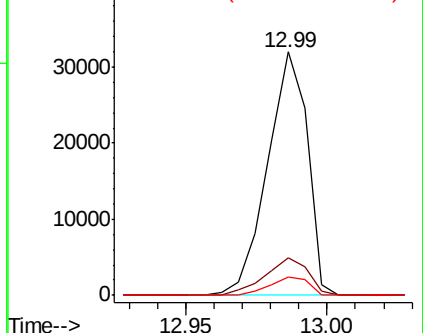
183 7.4 9.4 14.2#



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



#79

Terphenyl-d14

Concen: 86.208 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118384.D

Acq: 30 Dec 2019 16:45

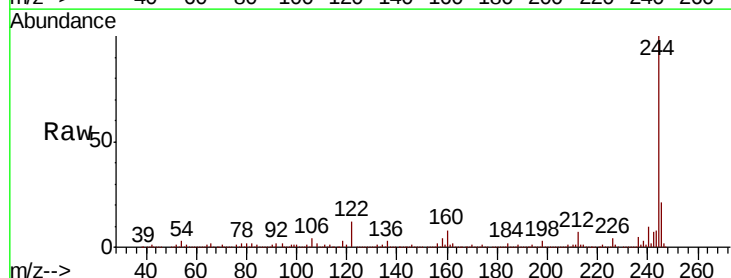
Tgt Ion:244 Resp: 2190809

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

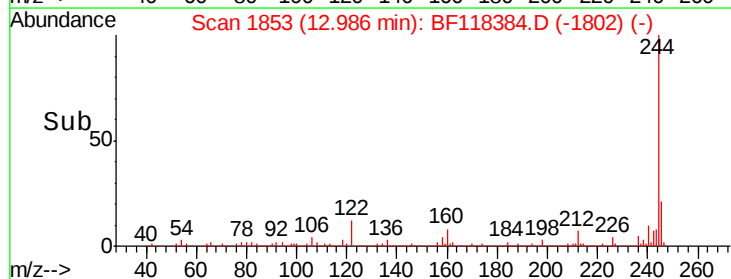
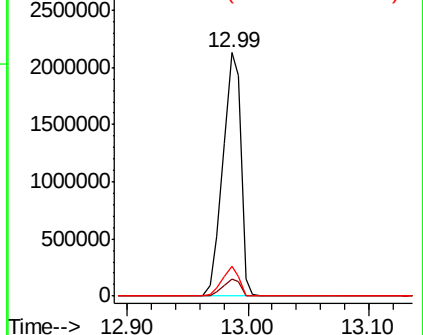
122 12.4 7.8 11.8#

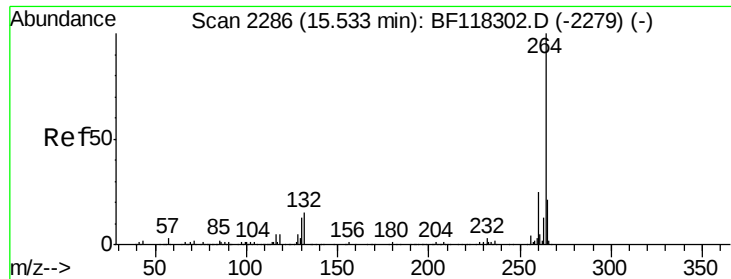


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

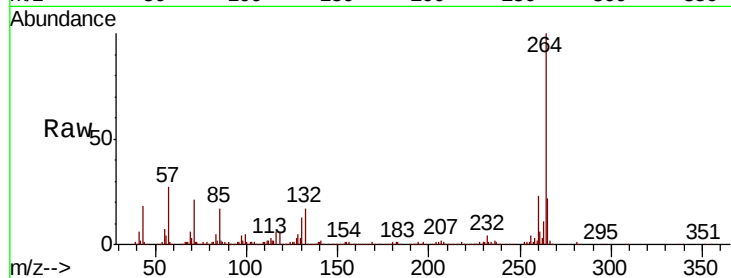




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118384.D
Acq: 30 Dec 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.8	29.6
265	22.4	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

