

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113222.D
 Acq On : 21 Mar 2019 21:41
 Operator : JU/SJ
 Sample : K2004-03 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(7.5-8.5)

Quant Time: Mar 22 00:45:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

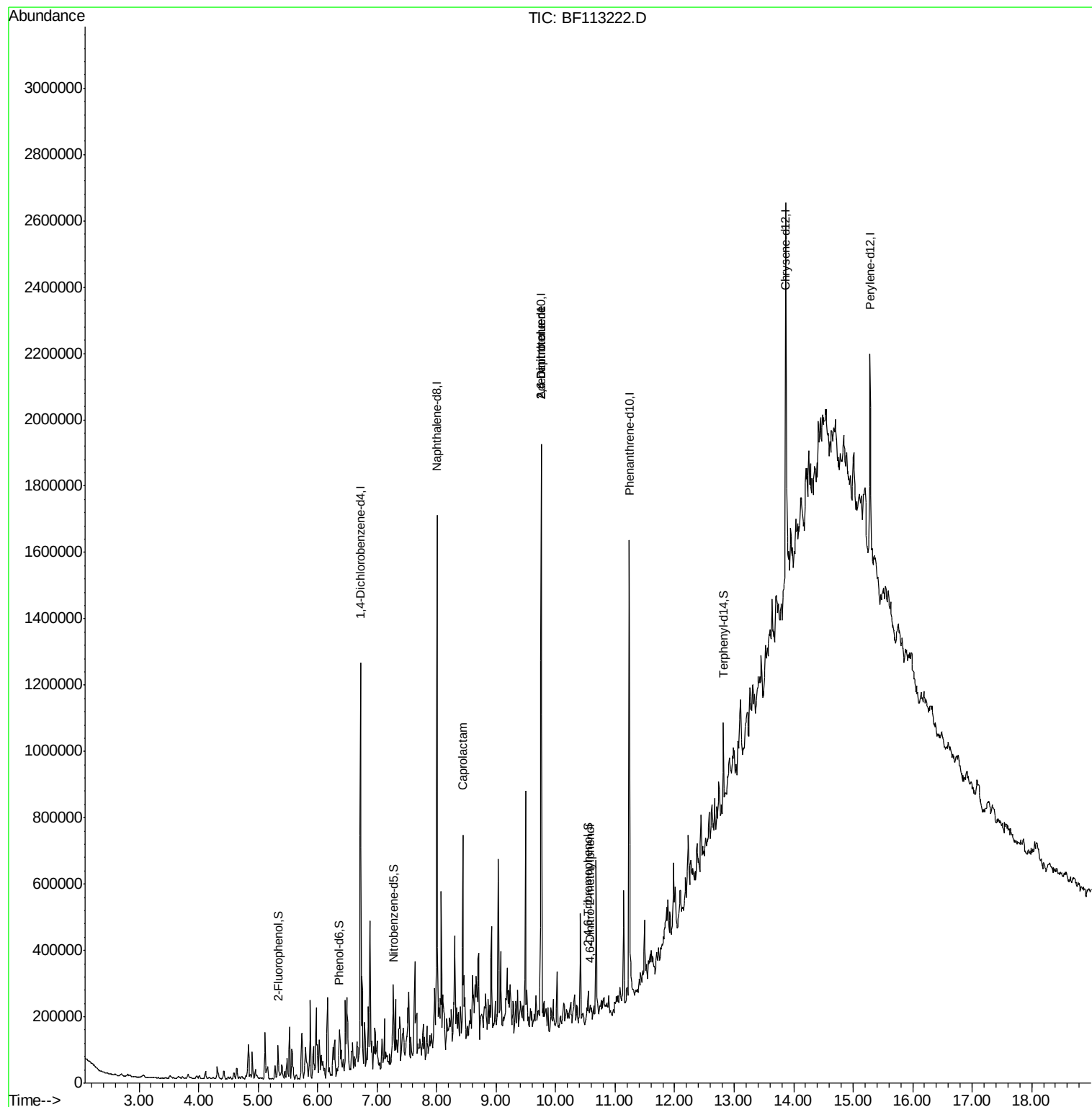
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	175333	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	695585	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	328891	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	553573	20.00	ng	0.00
76) Chrysene-d12	13.87	240	441177	20.00	ng	0.00
87) Perylene-d12	15.29	264	332275	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	38933	3.45	ng	-0.01
7) Phenol-d6	6.37	99	59461	4.20	ng	0.00
23) Nitrobenzene-d5	7.28	82	33235	2.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	13977	4.00	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	76955	1.65	ng	-0.01
79) Terphenyl-d14	12.82	244	60722	2.67	ng	0.00
Target Compounds						
35) Caprolactam	8.44	113	12467	3.643	ng	# 42
51) 2,6-Dinitrotoluene	9.76	165	42135	8.344	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	42135	6.712	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.57	198	828	4.942	ng	# 18

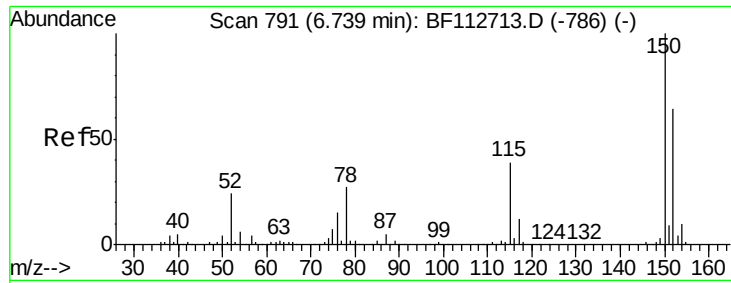
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

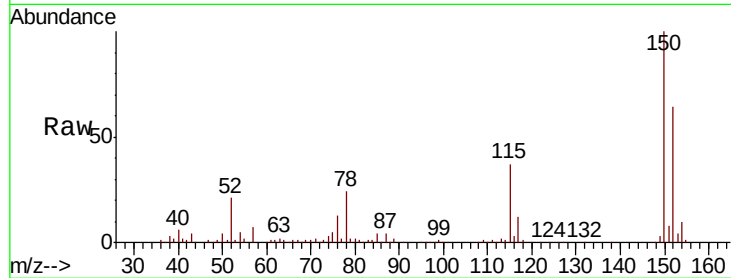




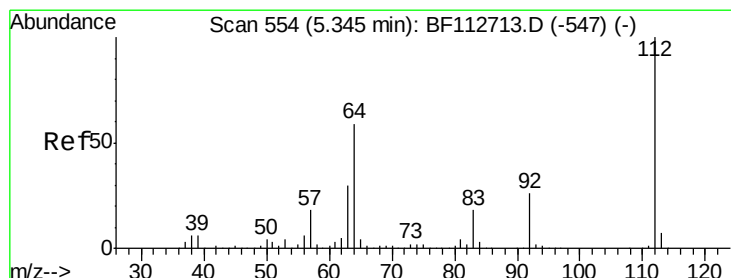
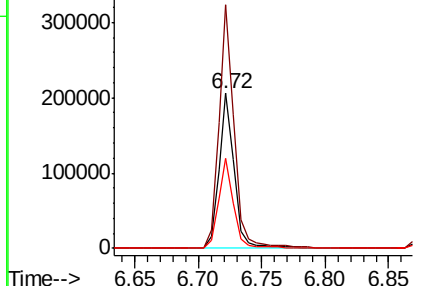
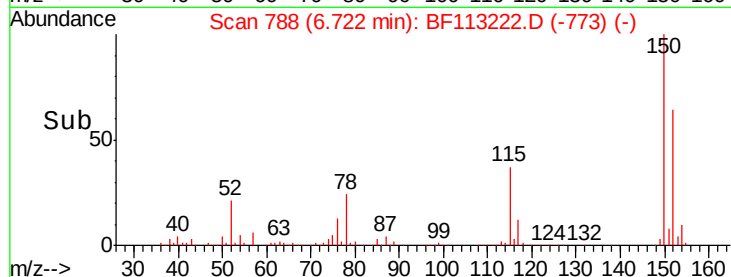
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113222.D
 Acq: 21 Mar 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(7.5-8.5)

Tgt Ion:152 Resp: 175333
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.2 186.2
 115 58.5 48.2 72.4

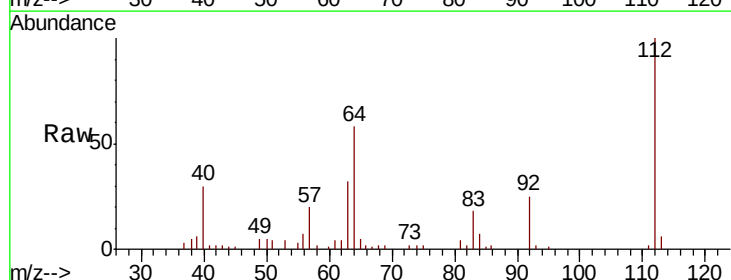


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

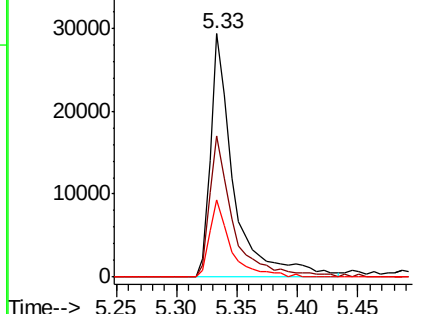
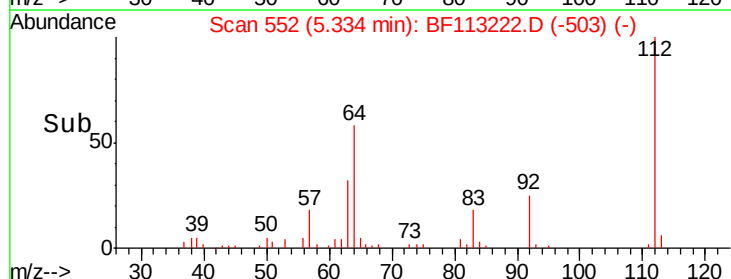


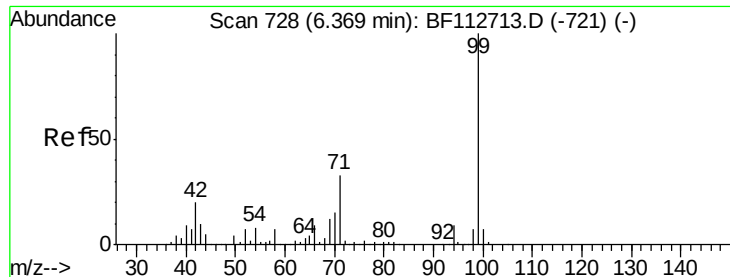
#5
 2-Fluorophenol
 Concen: 3.454 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113222.D
 Acq: 21 Mar 2019 21:41

Tgt Ion:112 Resp: 38933
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.6 71.4
 63 32.0 24.4 36.6



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: 4.200 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113222.D

Acq: 21 Mar 2019 21:41

Instrument :

BNA_F

ClientSampled :

SB-19(7.5-8.5)

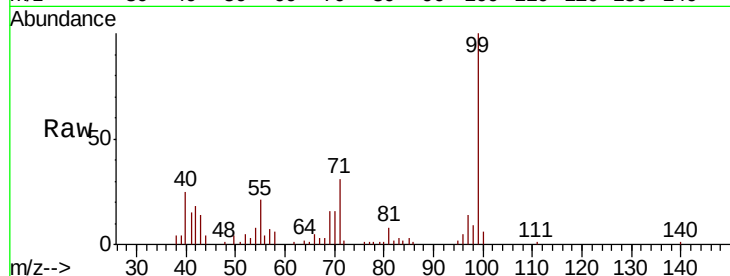
Tgt Ion: 99 Resp: 59461

Ion Ratio Lower Upper

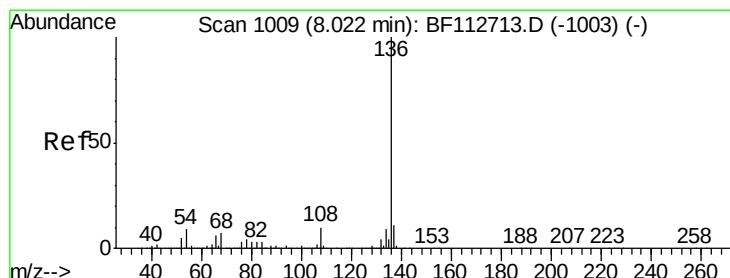
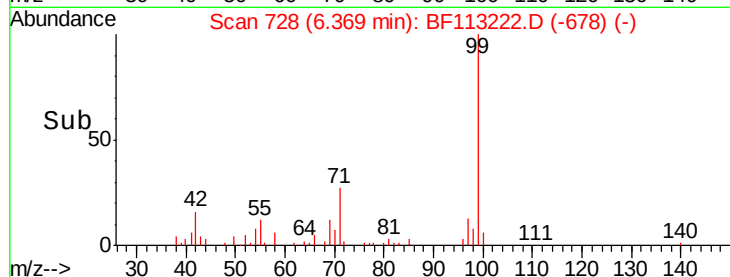
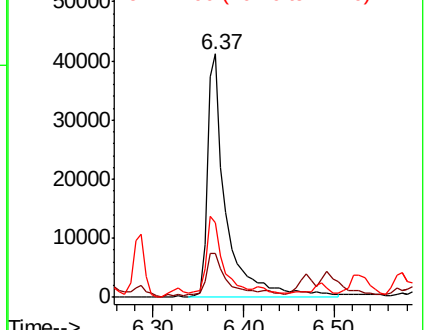
99 100

42 18.2 16.3 24.5

71 30.8 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113222.D

Acq: 21 Mar 2019 21:41

Tgt Ion: 136 Resp: 695585

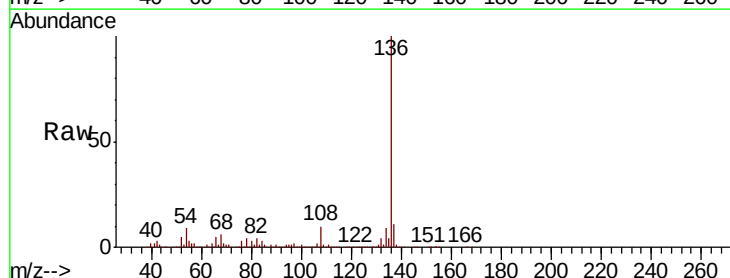
Ion Ratio Lower Upper

136 100

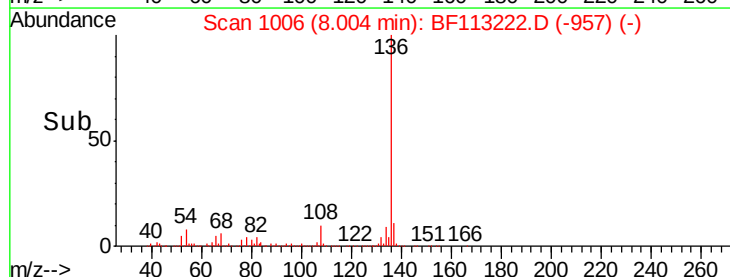
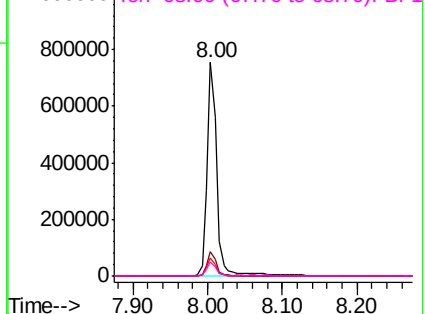
137 11.2 8.9 13.3

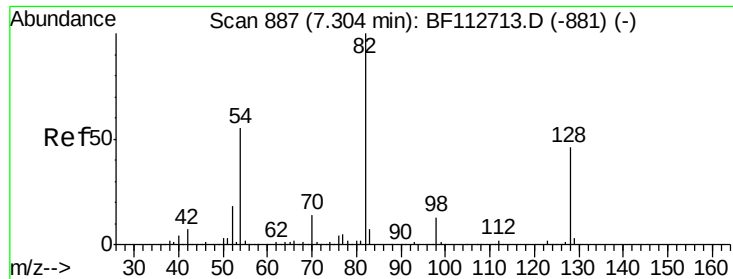
54 8.6 7.3 10.9

68 6.3 5.4 8.2



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

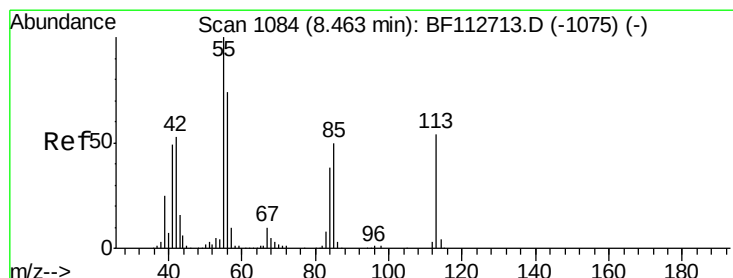
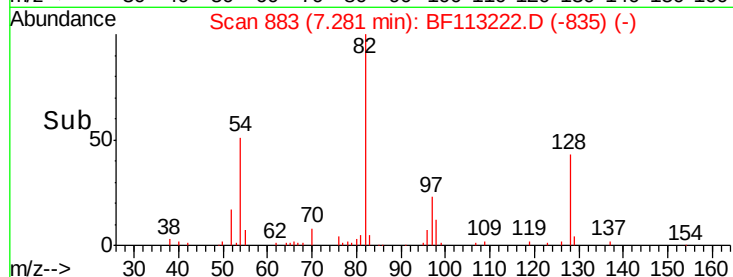
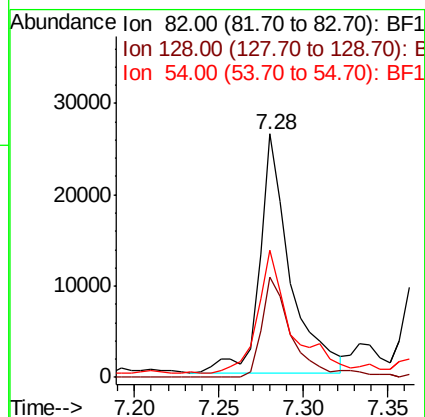
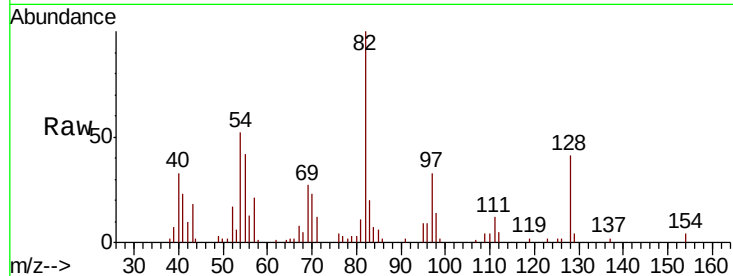




#23
Nitrobenzene-d5
Concen: 2.859 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113222.D
Acq: 21 Mar 2019 21:41

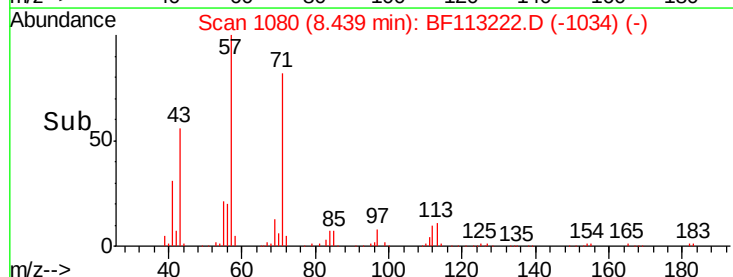
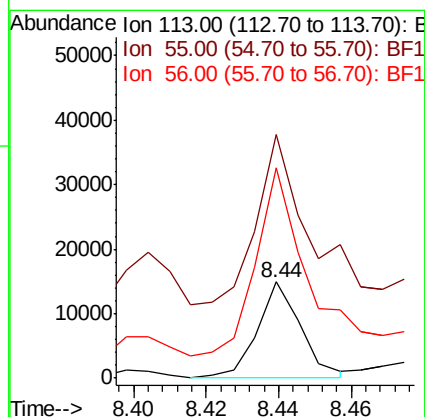
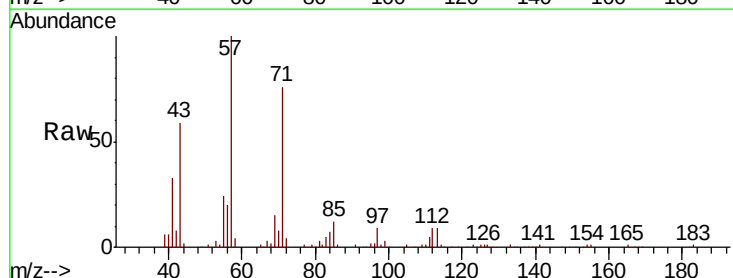
Instrument :
BNA_F
ClientSampleId :
SB-19(7.5-8.5)

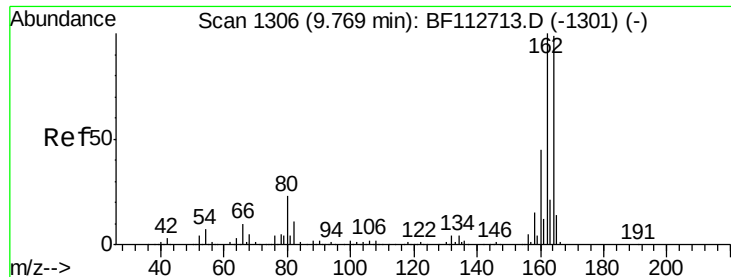
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.2	36.3	54.5
54	52.0	43.7	65.5



#35
Caprolactam
Concen: 3.643 ng
RT: 8.44 min Scan# 1080
Delta R.T. -0.03 min
Lab File: BF113222.D
Acq: 21 Mar 2019 21:41

Tgt Ion	Ratio	Lower	Upper
113	100		
55	253.3	163.5	203.5#
56	218.7	115.3	155.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113222.D

Acq: 21 Mar 2019 21:41

Instrument :

BNA_F

ClientSampleId :

SB-19(7.5-8.5)

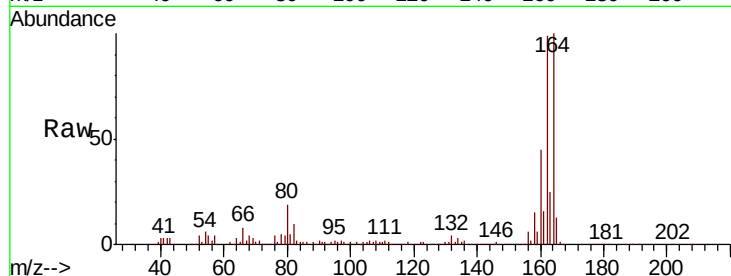
Tgt Ion:164 Resp: 328891

Ion Ratio Lower Upper

164 100

162 99.5 80.6 120.8

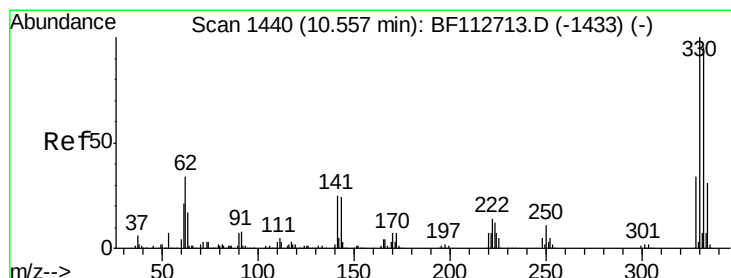
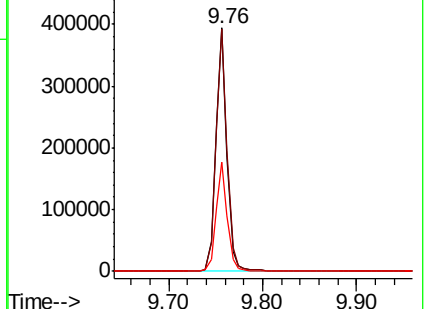
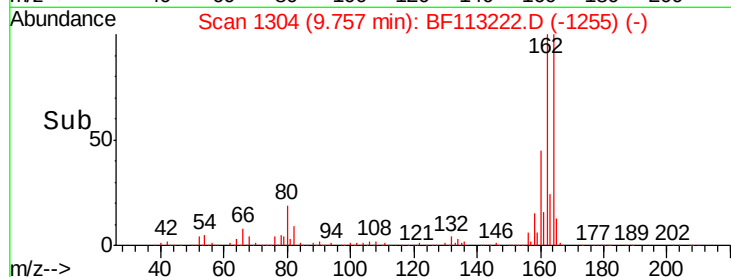
160 44.8 36.0 54.0



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: 4.003 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113222.D

Acq: 21 Mar 2019 21:41

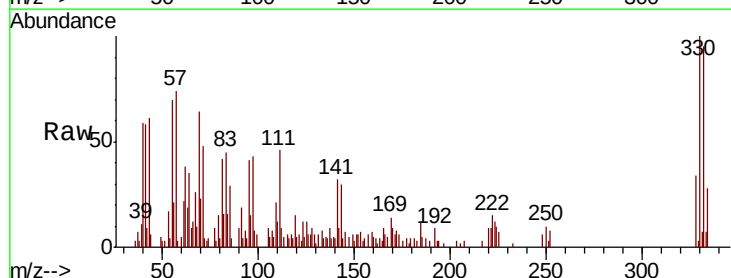
Tgt Ion:330 Resp: 13977

Ion Ratio Lower Upper

330 100

332 93.2 76.2 114.4

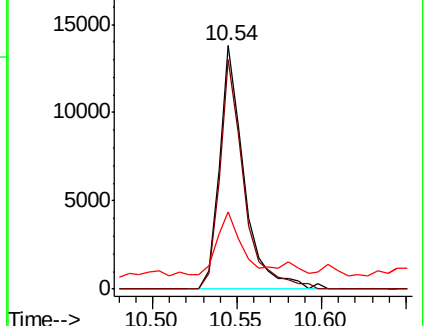
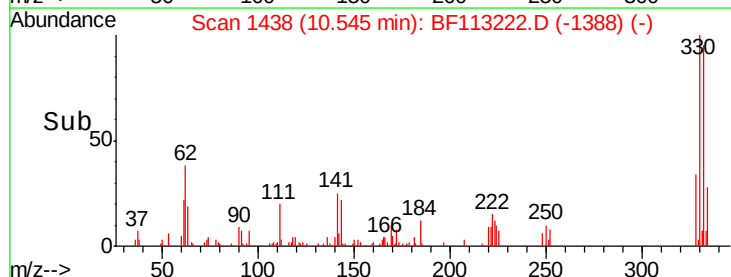
141 26.0 27.0 40.6#

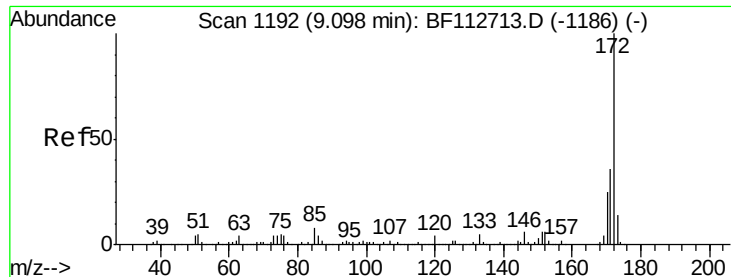


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

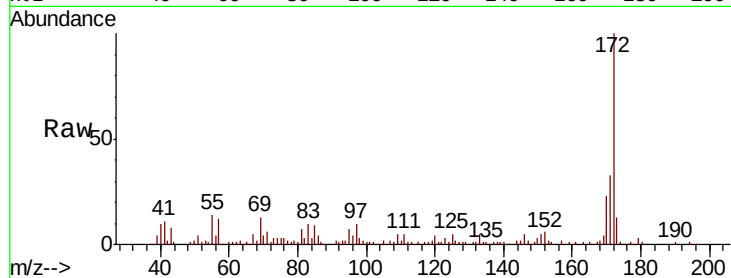




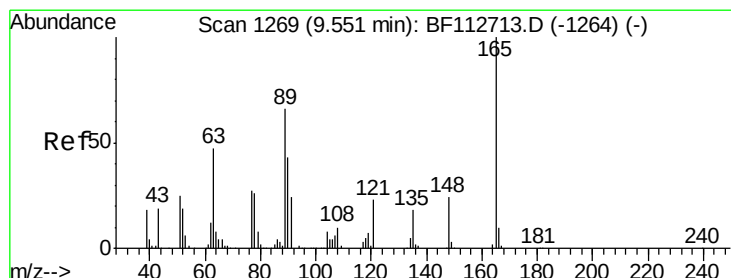
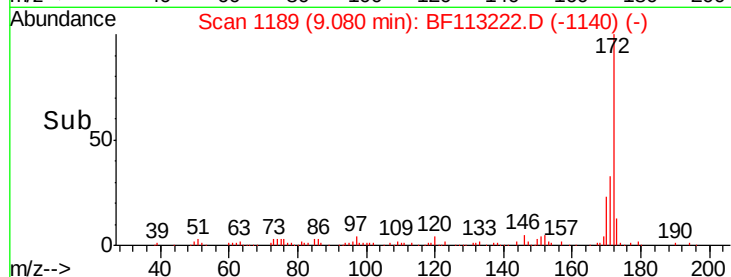
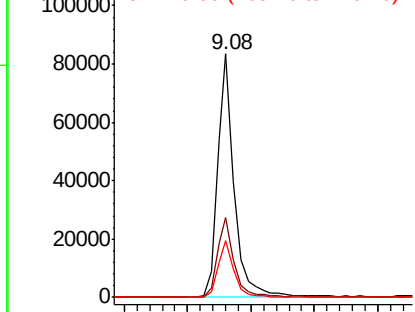
#45
2-Fluorobiphenyl
Concen: 1.649 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113222.D
Acq: 21 Mar 2019 21:41

Instrument :
BNA_F
ClientSampleId :
SB-19(7.5-8.5)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.0	43.4
170	23.5	20.0	30.0

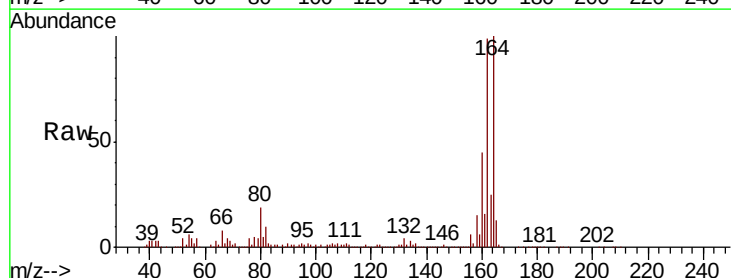


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

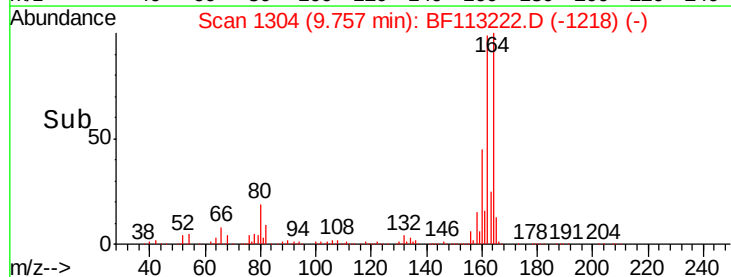
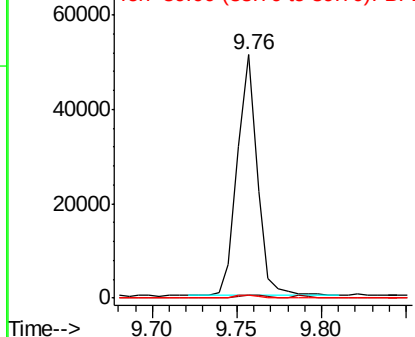


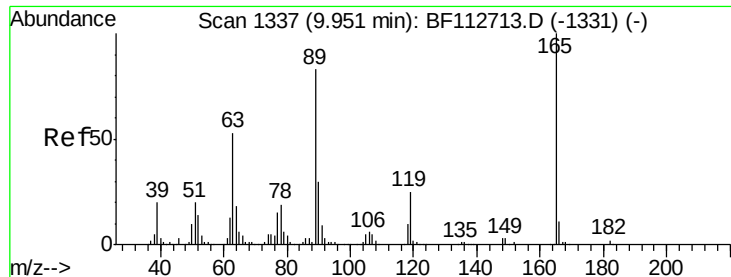
#51
2,6-Dinitrotoluene
Concen: 8.344 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113222.D
Acq: 21 Mar 2019 21:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	54.1	81.1#
89	1.3	52.8	79.2#



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

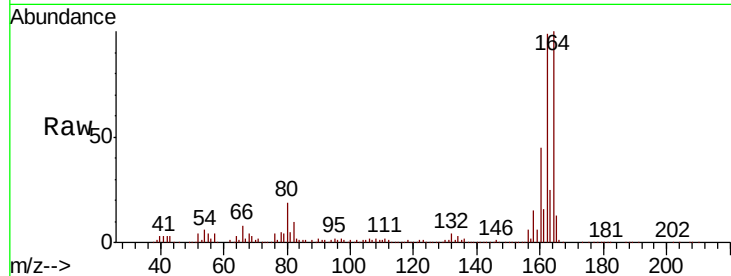




#57
 2,4-Dinitrotoluene
 Concen: 6.712 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113222.D
 Acq: 21 Mar 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(7.5-8.5)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.3	66.2	99.4#
182	0.8	1.8	2.6#

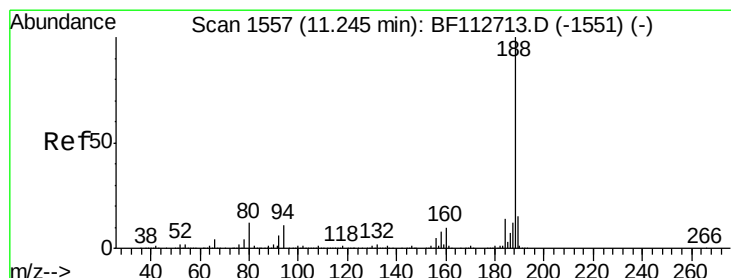
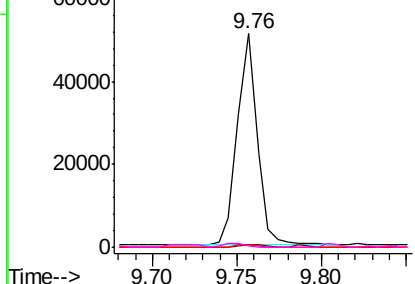
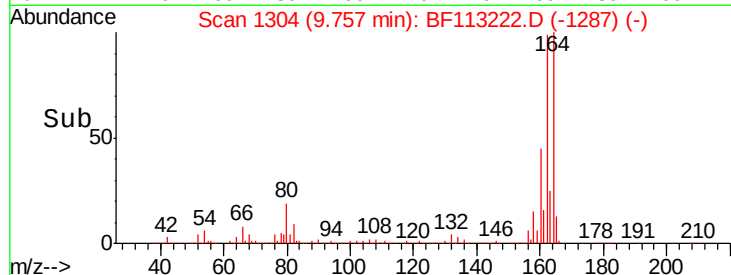


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

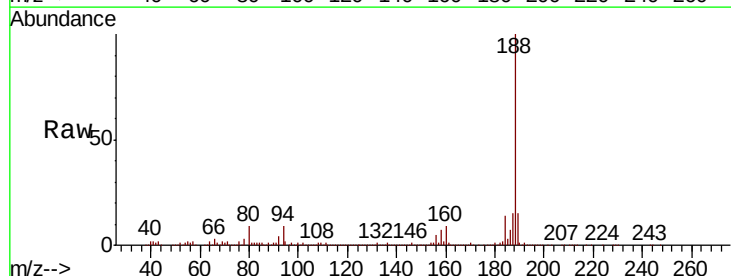
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113222.D
 Acq: 21 Mar 2019 21:41

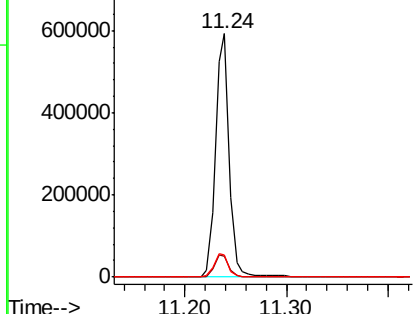
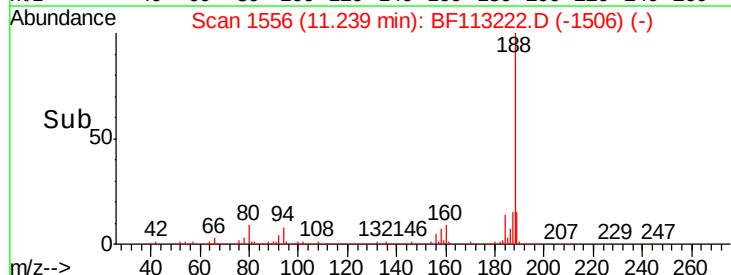
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	9.0	13.4#
80	8.9	9.2	13.8#

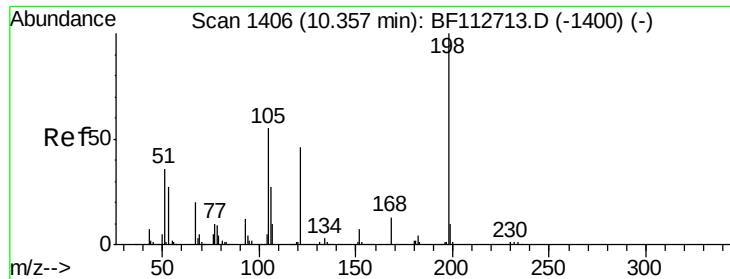


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

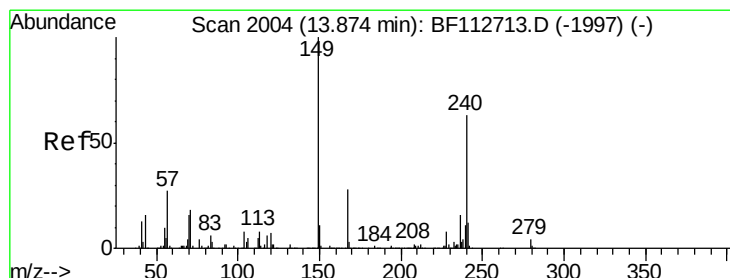
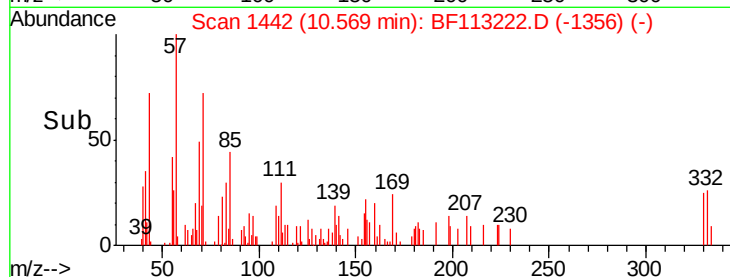
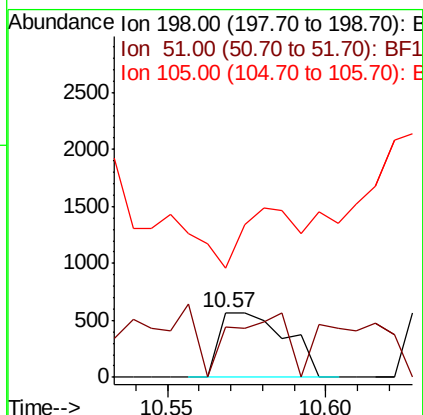
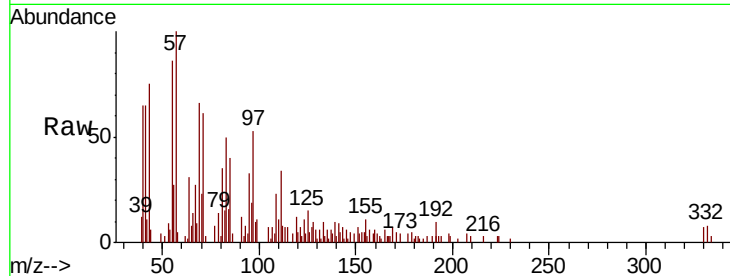




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.942 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.21 min
 Lab File: BF113222.D
 Acq: 21 Mar 2019 21:41

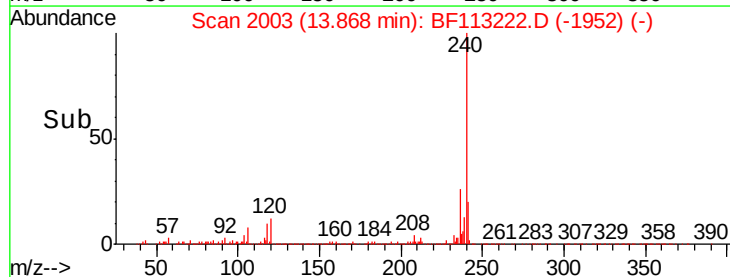
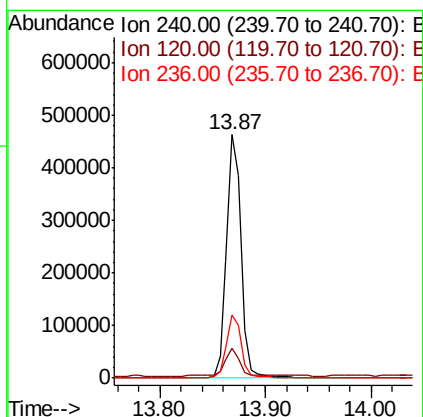
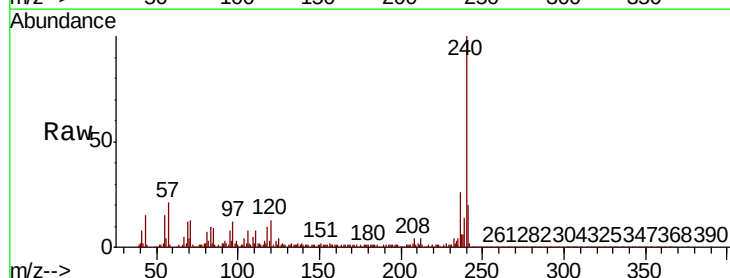
Instrument :
 BNA_F
 ClientSampleId :
 SB-19(7.5-8.5)

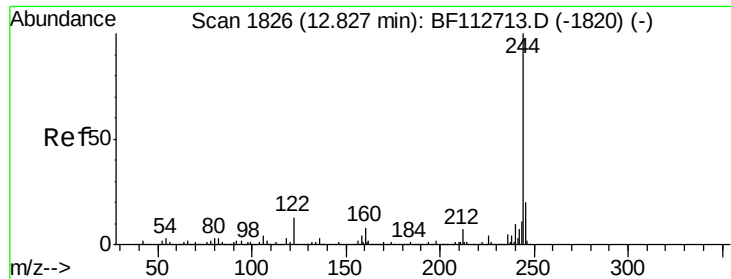
Tgt Ion:198 Resp: 828
 Ion Ratio Lower Upper
 198 100
 51 78.2 43.8 83.8
 105 168.6 36.5 76.5#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BF113222.D
 Acq: 21 Mar 2019 21:41

Tgt Ion:240 Resp: 441177
 Ion Ratio Lower Upper
 240 100
 120 12.5 8.9 13.3
 236 25.9 20.7 31.1





#79

Terphenyl-d14

Concen: 2.668 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113222.D

Acq: 21 Mar 2019 21:41

Instrument :

BNA_F

ClientSampleId :

SB-19(7.5-8.5)

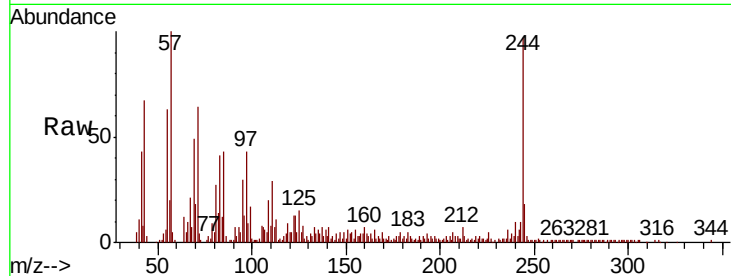
Tgt Ion:244 Resp: 60722

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

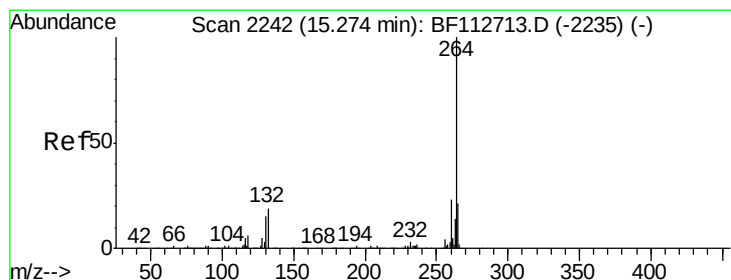
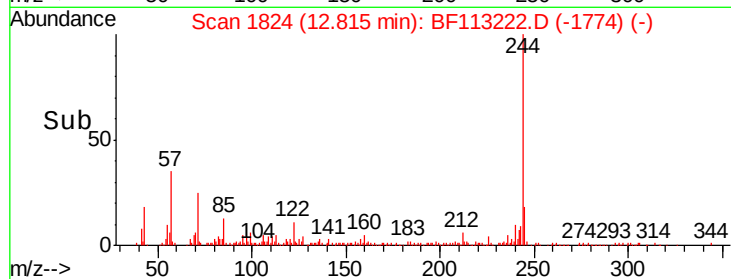
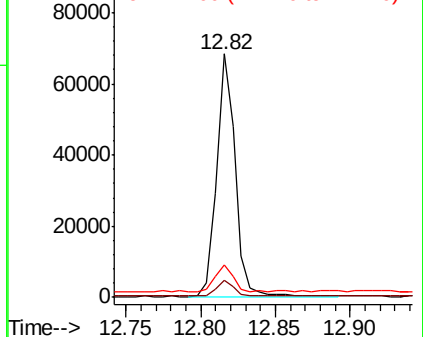
122 13.4 10.5 15.7



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

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF113222.D

Acq: 21 Mar 2019 21:41

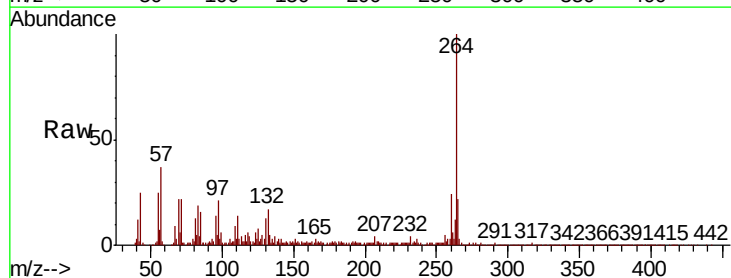
Tgt Ion:264 Resp: 332275

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

265 22.0 17.2 25.8



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

