

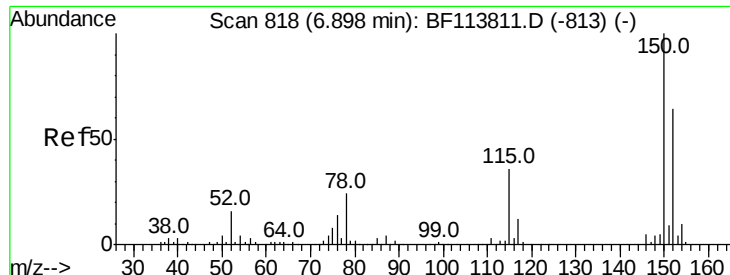
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113832.D
 Acq On : 18 Apr 2019 22:28
 Operator : JU/SJ
 Sample : K2437-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:09:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	160411	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	549044	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	244328	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	428300	20.00	ng	0.00
76) Chrysene-d12	14.04	240	486226	20.00	ng	0.00
87) Perylene-d12	15.51	264	557134	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	867200	89.89	ng	0.00
7) Phenol-d6	6.52	99	1067946	88.77	ng	0.00
23) Nitrobenzene-d5	7.45	82	619420	68.70	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	250430	92.77	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1087509	67.88	ng	0.00
79) Terphenyl-d14	12.99	244	1198580	51.69	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	1640	Below Cal	Qvalue	# 3
11) bis(2-Chloroethyl)ether	6.61	93	32723	2.989 ng	#	26
19) n-Nitroso-di-n-propylamine	7.45	70	82083	10.222 ng	#	77
25) Isophorone	7.45	82	619410	33.181 ng	#	65
50) Dimethylphthalate	9.63	163	115418	6.750 ng		99
65) 4,6-Dinitro-2-methylphenol	10.71	198	368	7.105 ng	#	1
67) 4-Bromophenyl-phenylether	10.71	248	15078	2.998 ng	#	1

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

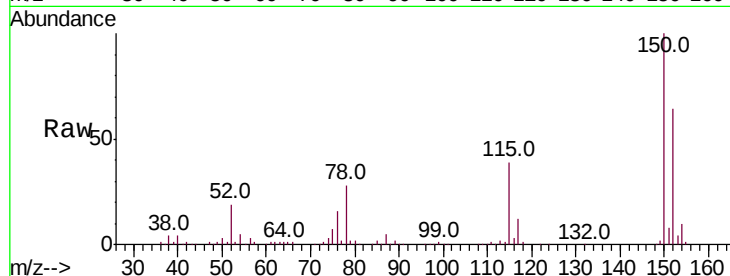


#1

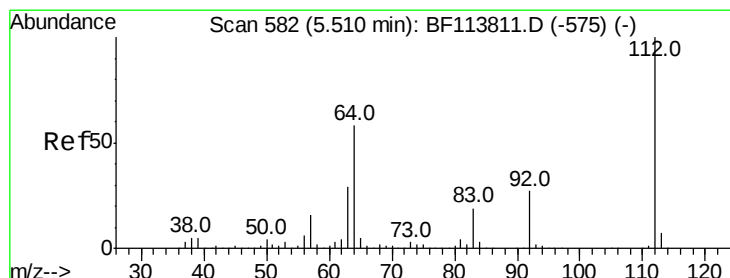
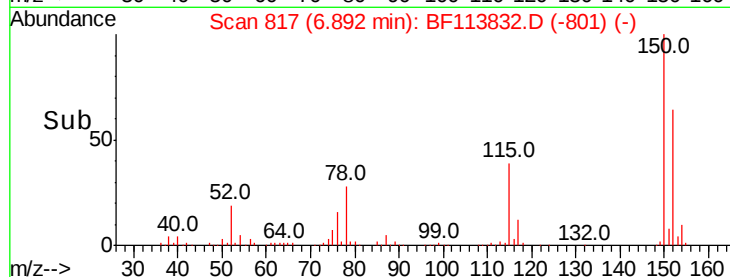
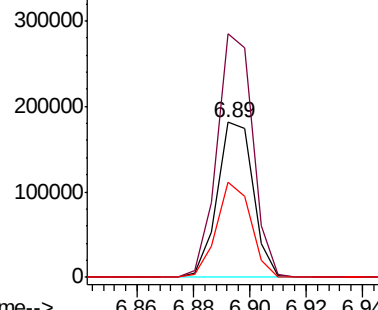
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113832.D
 Acq: 18 Apr 2019 22:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.9	188.9
115	61.0	45.9	68.9



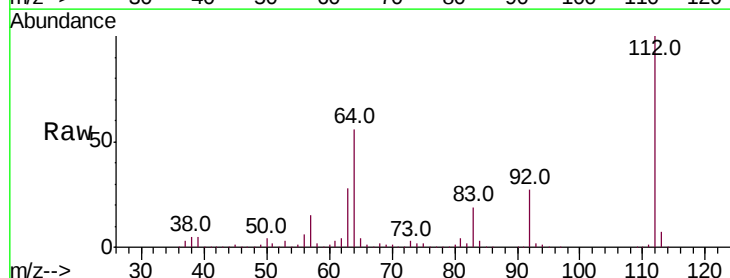
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



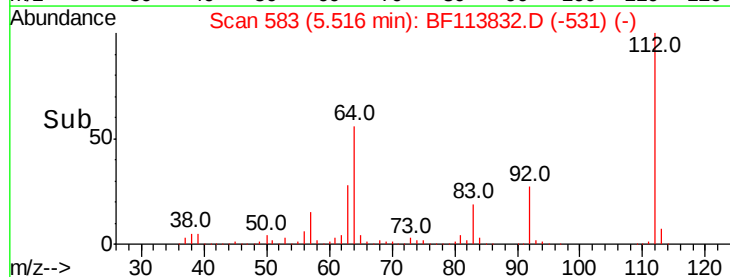
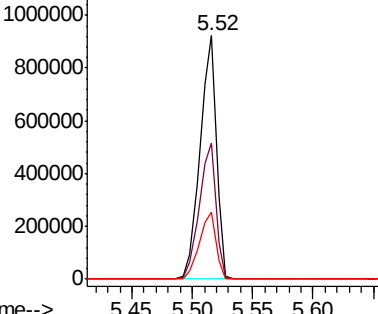
#5

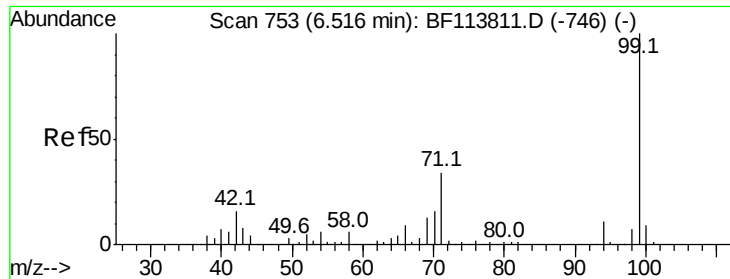
2-Fluorophenol
 Concen: 89.892 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF113832.D
 Acq: 18 Apr 2019 22:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.6	69.8
63	27.7	23.1	34.7



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: 88.768 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113832.D

Acq: 18 Apr 2019 22:28

Instrument :

BNA_F

ClientSampled :

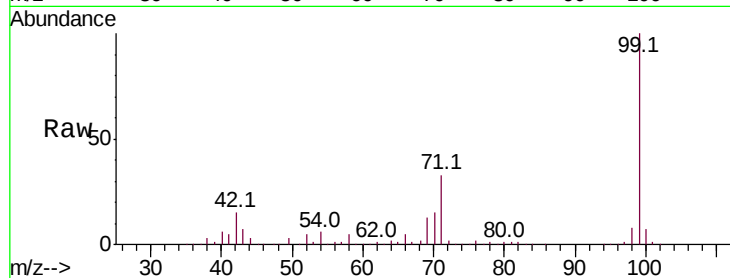
Tot Ion: 99 Resp: 1067946

Ion Ratio Lower Upper

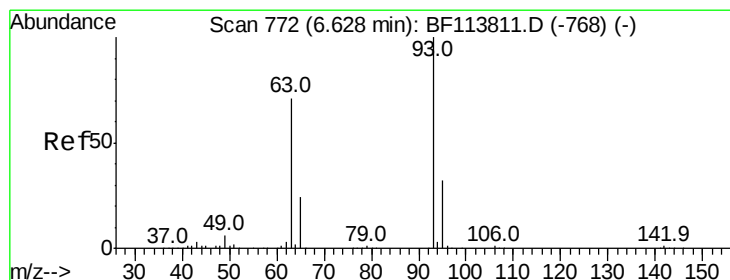
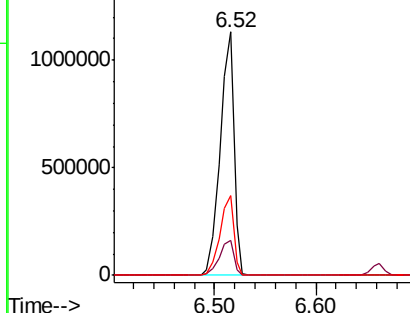
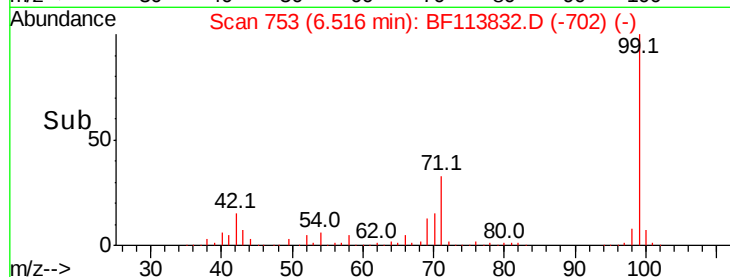
99 100

42 14.6 12.5 18.7

71 32.9 26.9 40.3



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



#11

bis(2-Chloroethyl)ether

Concen: 2.989 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.02 min

Lab File: BF113832.D

Acq: 18 Apr 2019 22:28

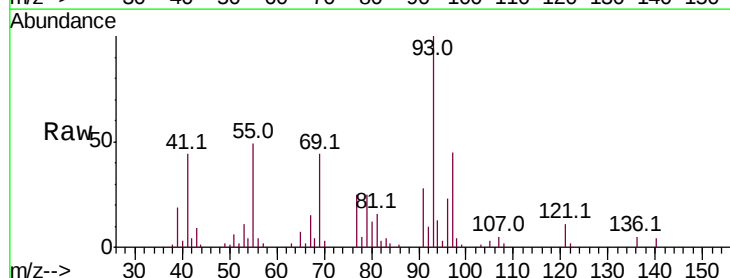
Tgt Ion: 93 Resp: 32723

Ion Ratio Lower Upper

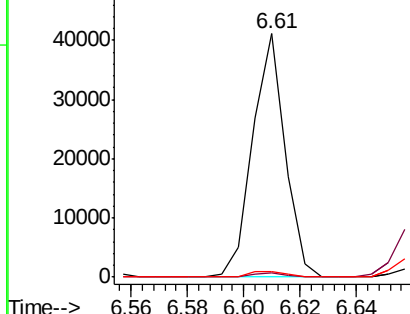
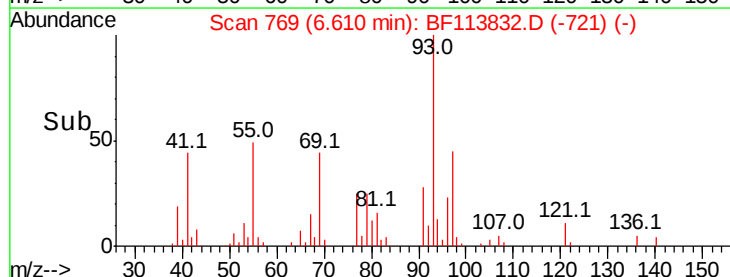
93 100

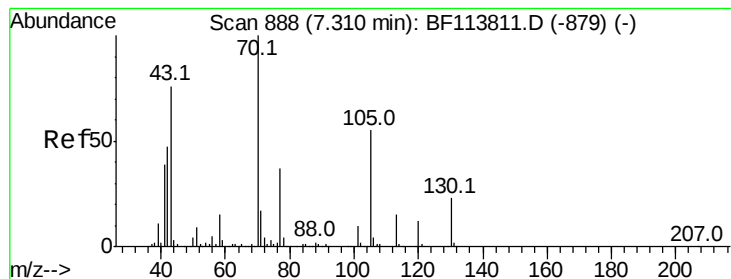
63 1.8 50.7 90.7#

95 2.5 12.3 52.3#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.222 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113832.D

Acq: 18 Apr 2019 22:28

Instrument :

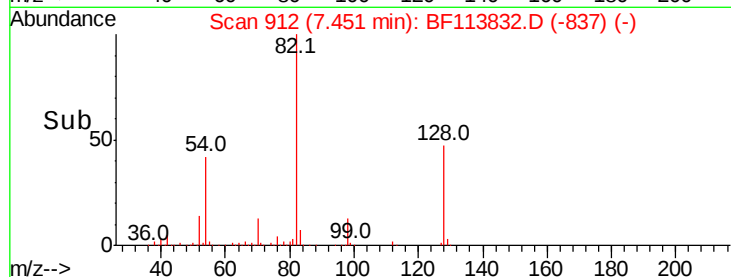
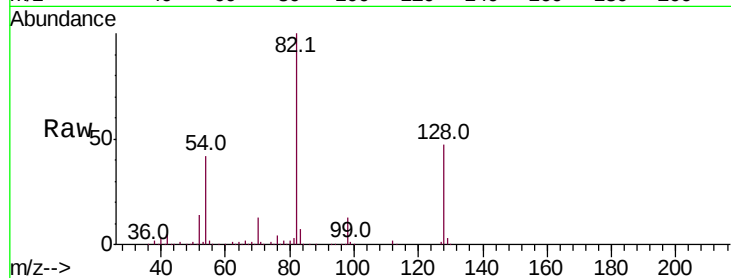
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 82083

Ion Ratio Lower Upper

70	100		
42	37.8	37.3	55.9
101	0.0	7.8	11.8#
130	2.1	18.2	27.2#

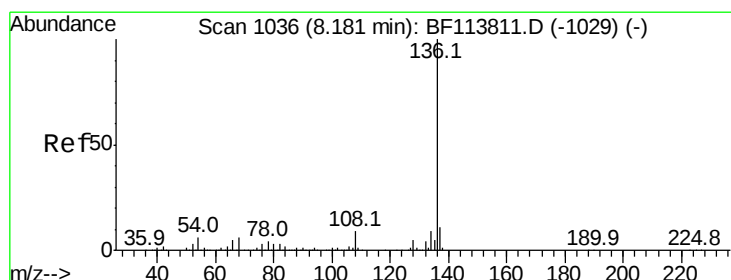
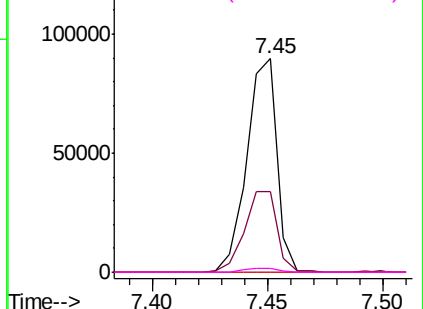


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

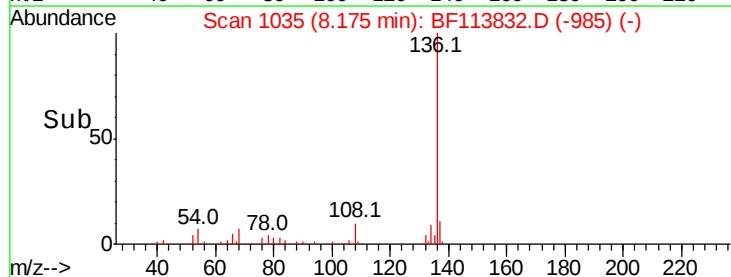
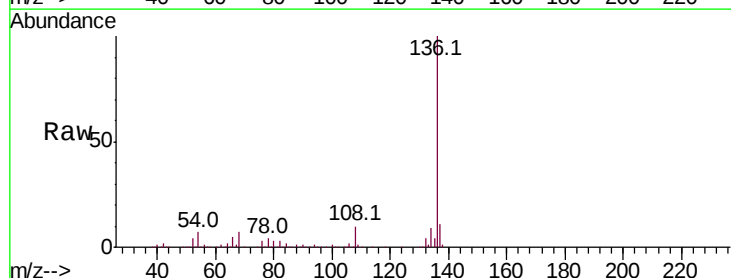
Lab File: BF113832.D

Acq: 18 Apr 2019 22:28

Tgt Ion: 136 Resp: 549044

Ion Ratio Lower Upper

136	100		
137	11.3	8.6	12.8
54	6.9	5.0	7.6
68	6.7	4.9	7.3

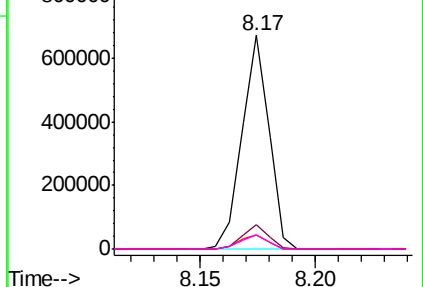


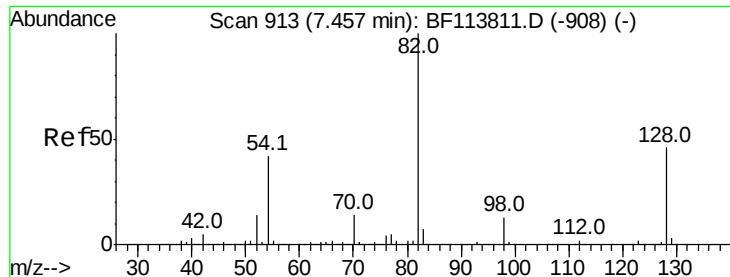
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

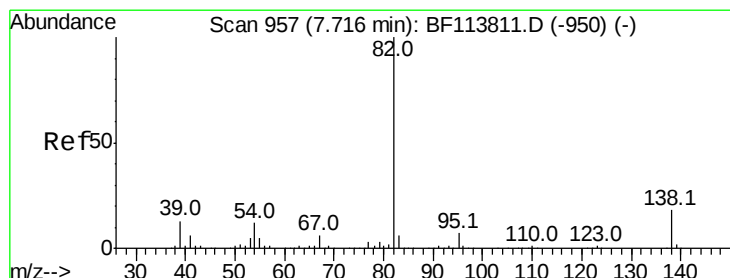
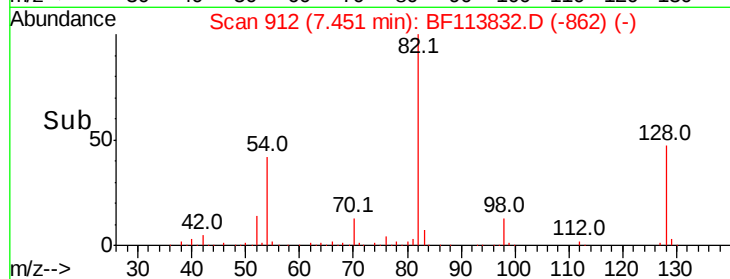
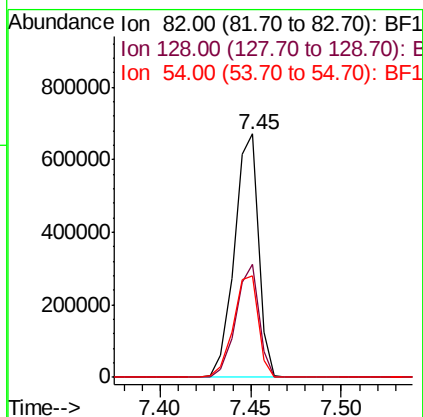
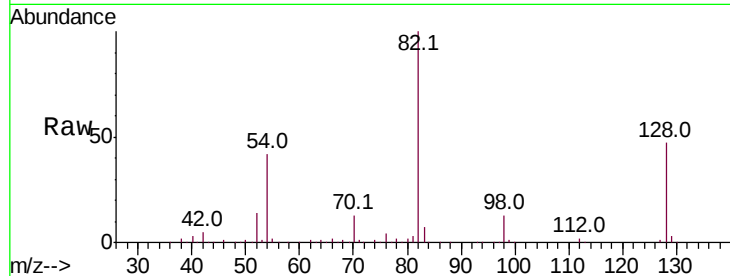




#23
 Nitrobenzene-d5
 Concen: 68.702 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113832.D
 Acq: 18 Apr 2019 22:28

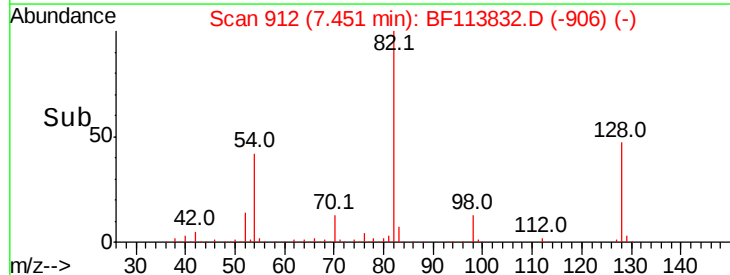
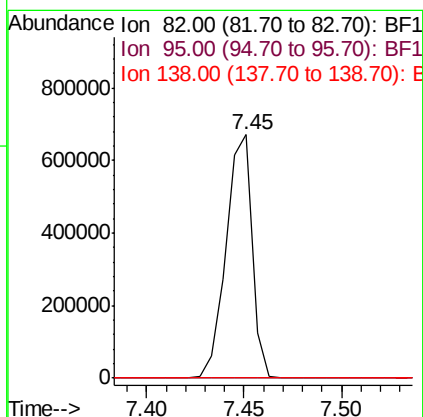
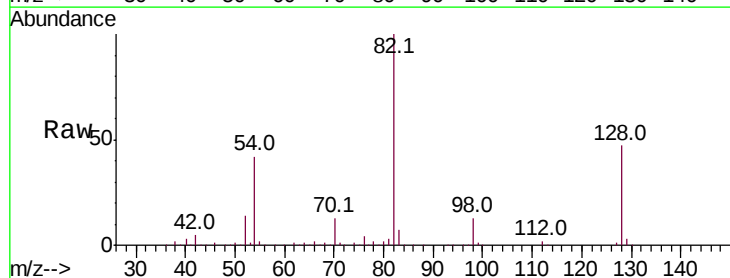
Instrument :
 BNA_F
 ClientSampled :

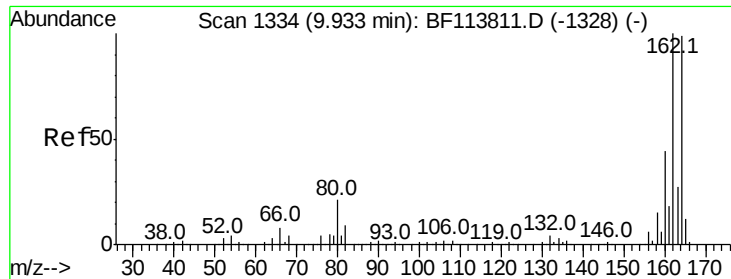
Tot Ion	82	Resp	619420
Ion Ratio	Lower	Upper	
82	100		
128	46.7	36.8	55.2
54	41.5	33.8	50.6



#25
 Isophorone
 Concen: 33.181 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.26 min
 Lab File: BF113832.D
 Acq: 18 Apr 2019 22:28

Tgt Ion	82	Resp	619410
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	22.0#

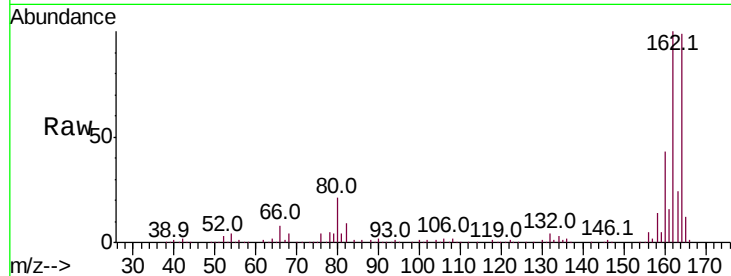




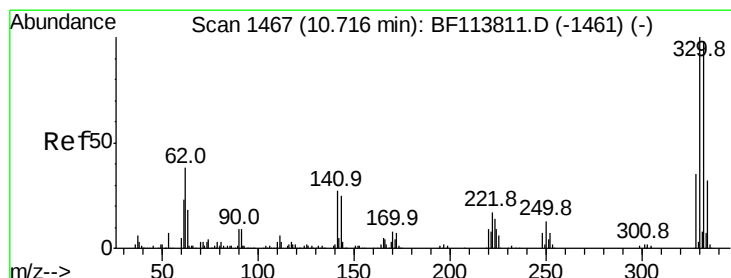
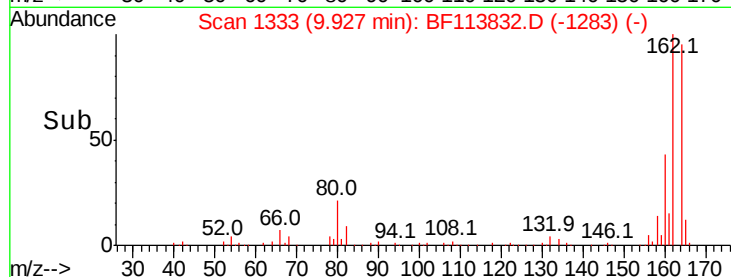
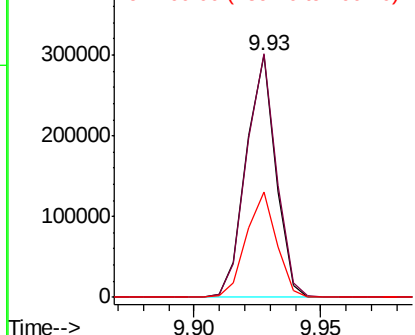
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113832.D
Acq: 18 Apr 2019 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 244328
Ion Ratio Lower Upper
164 100
162 100.6 81.1 121.7
160 43.6 35.8 53.6

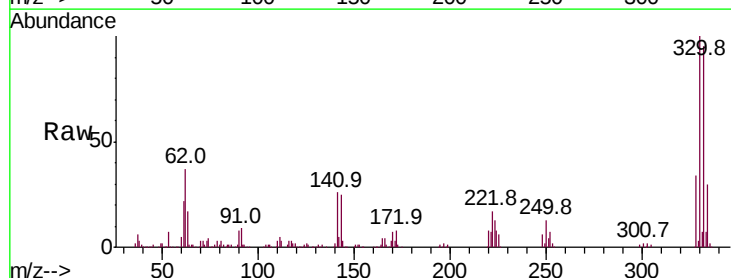


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

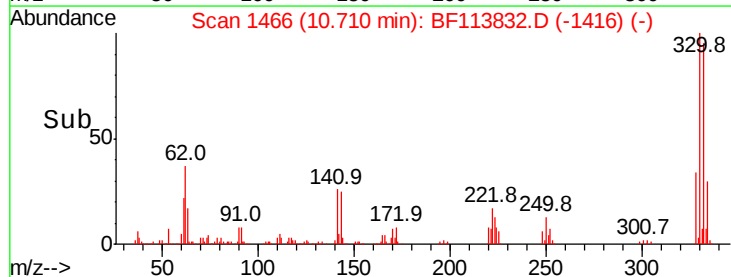
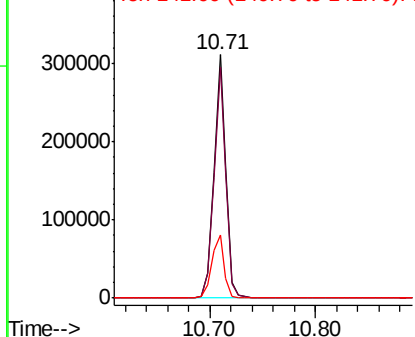


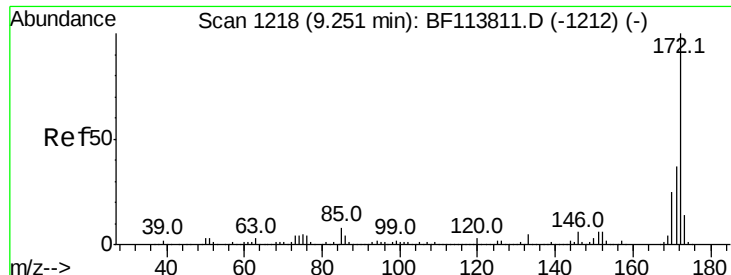
#42
2,4,6-Tribromophenol
Concen: 92.773 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF113832.D
Acq: 18 Apr 2019 22:28

Tgt Ion:330 Resp: 250430
Ion Ratio Lower Upper
330 100
332 95.4 77.5 116.3
141 26.7 22.2 33.2



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

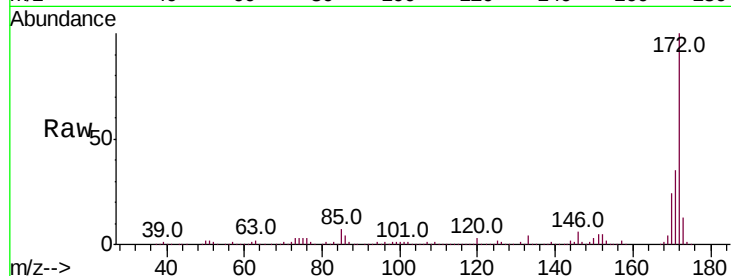




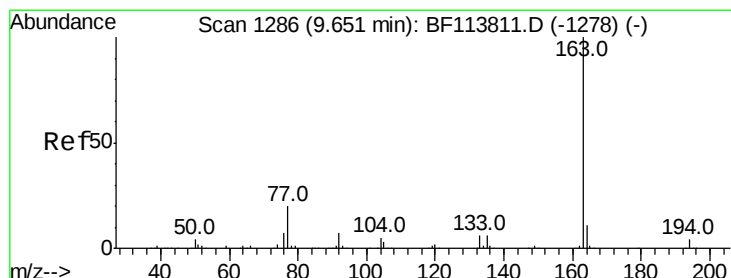
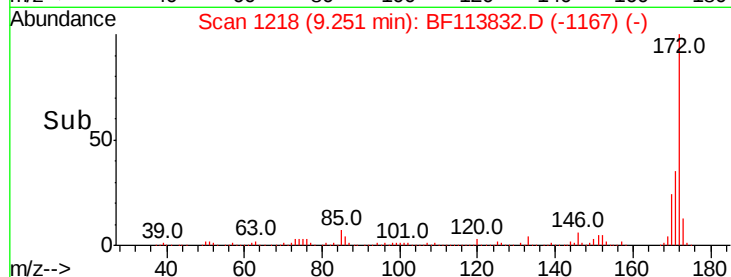
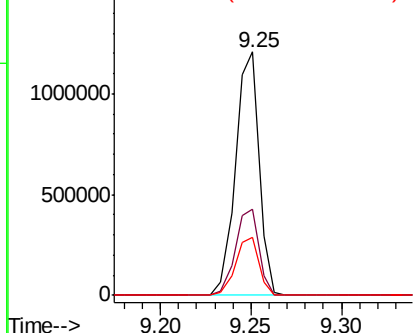
#45
2-Fluorobiphenyl
Concen: 67.880 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113832.D
Acq: 18 Apr 2019 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1087509
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.9 19.9 29.9

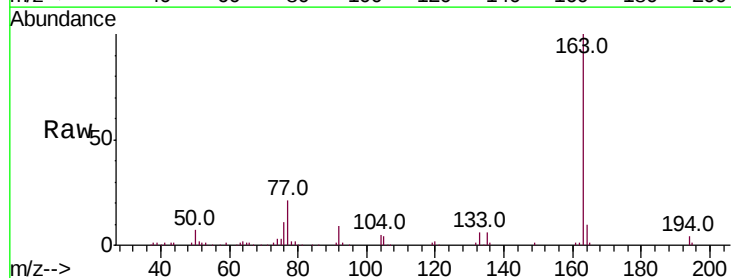


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

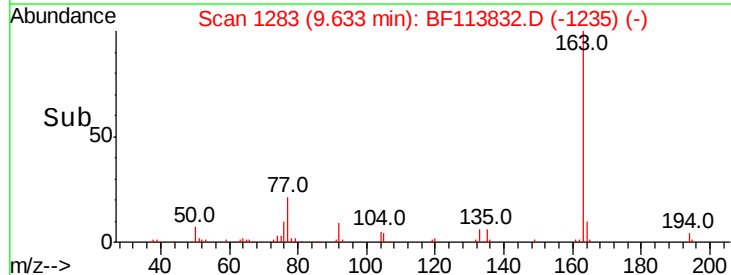
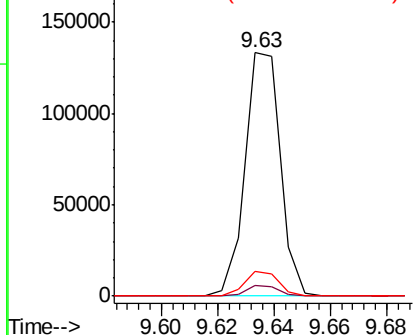


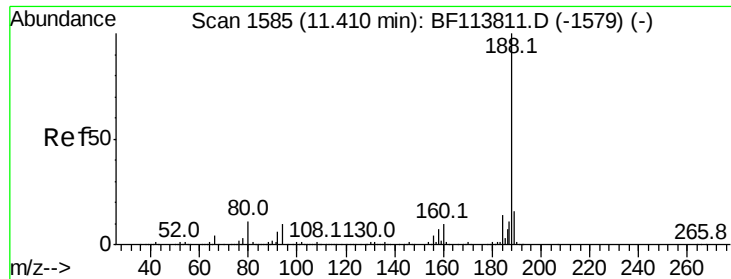
#50
Dimethylphthalate
Concen: 6.750 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF113832.D
Acq: 18 Apr 2019 22:28

Tgt Ion:163 Resp: 115418
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.2 8.5 12.7



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

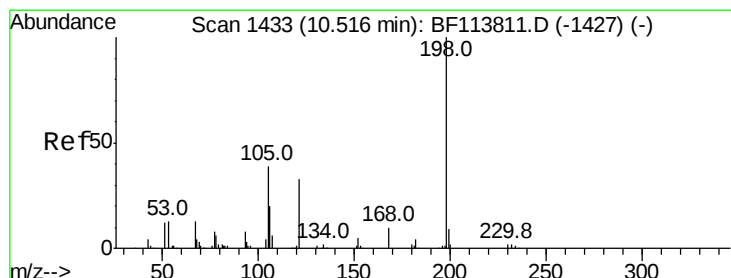
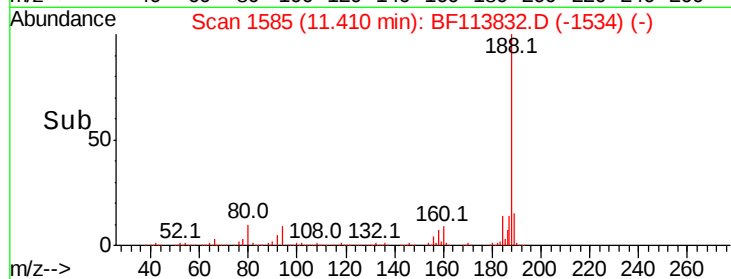
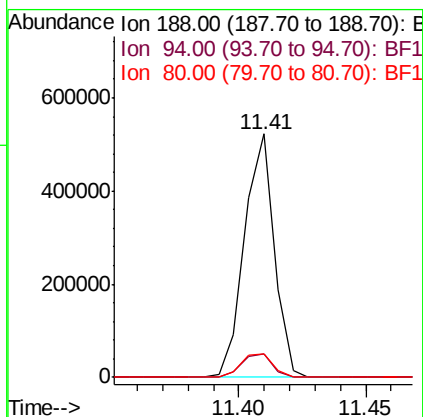
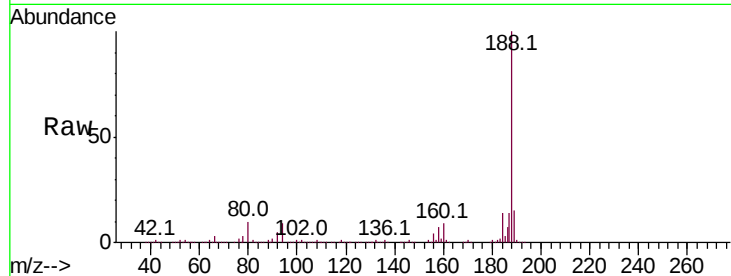




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF113832.D
Acq: 18 Apr 2019 22:28

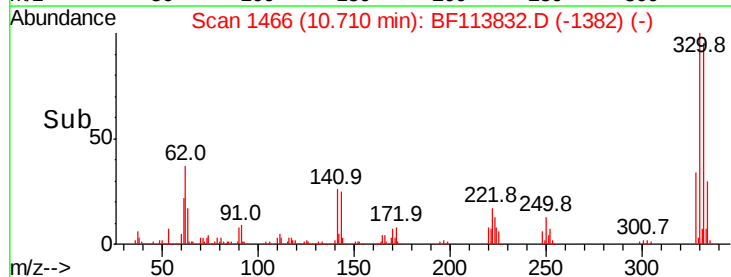
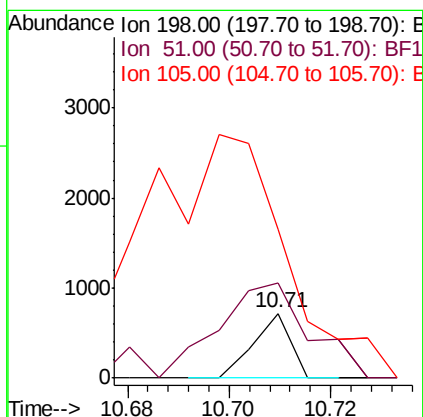
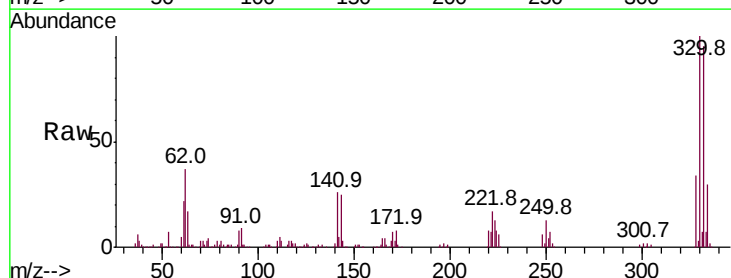
Instrument :
BNA_F
ClientSampleId :

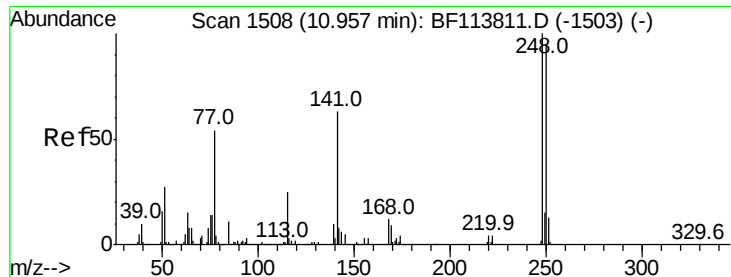
Tot Ion:188 Resp: 428300
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.4
80 9.9 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.105 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF113832.D
Acq: 18 Apr 2019 22:28

Tgt Ion:198 Resp: 368
Ion Ratio Lower Upper
198 100
51 146.1 11.1 51.1#
105 230.4 20.7 60.7#

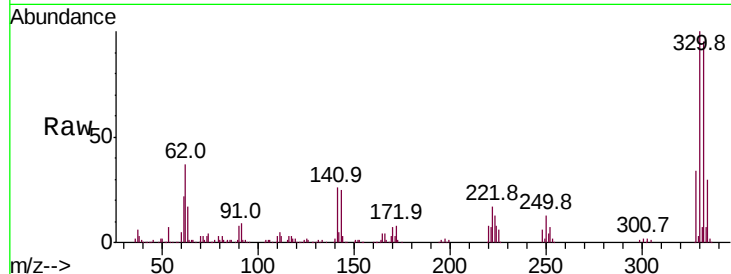




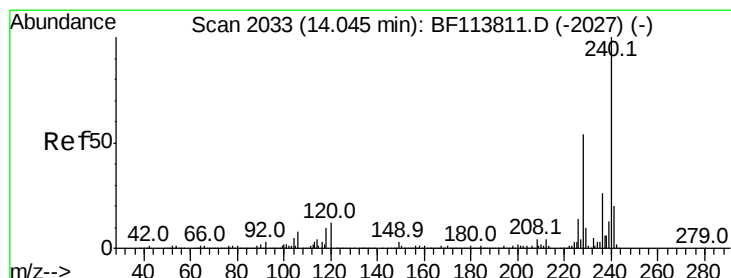
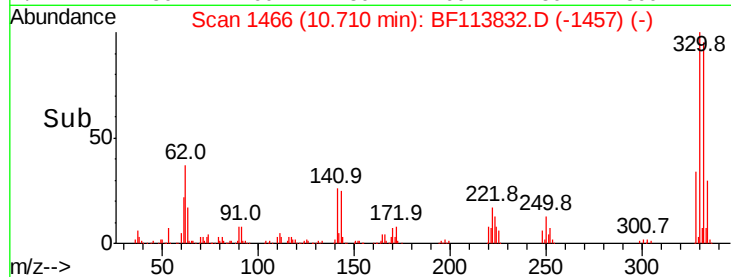
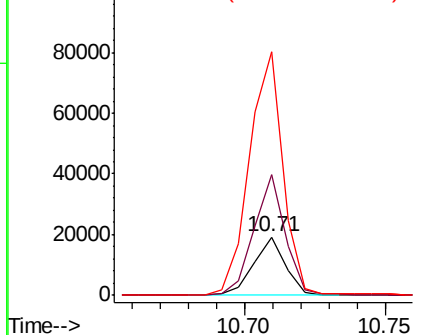
#67
 4-Bromophenyl-phenylether
 Concen: 2.998 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF113832.D
 Acq: 18 Apr 2019 22:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 15078
 Ion Ratio Lower Upper
 248 100
 250 205.8 75.8 113.6#
 141 415.7 50.2 75.4#

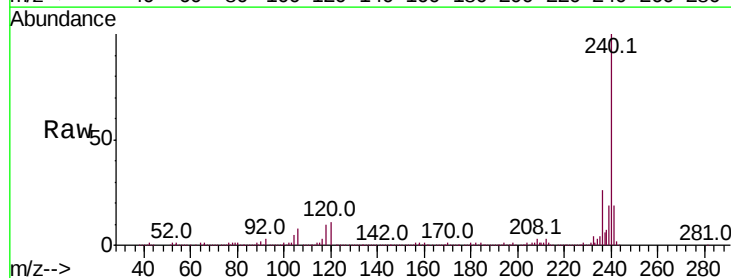


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

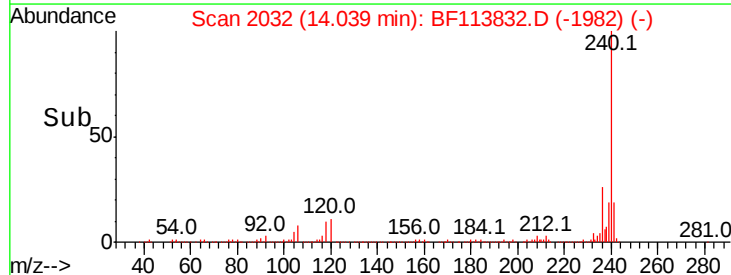
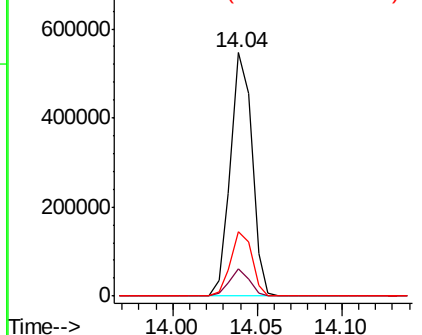


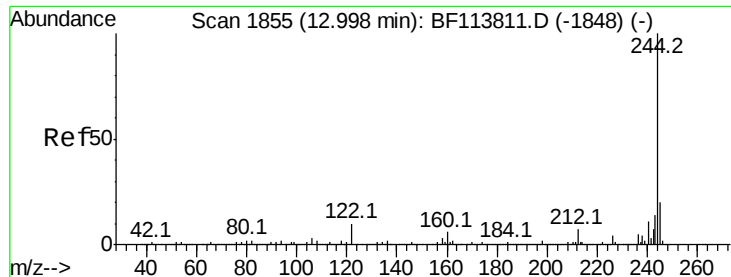
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF113832.D
 Acq: 18 Apr 2019 22:28

Tgt Ion:240 Resp: 486226
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.3 13.9
 236 26.4 21.2 31.8



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





#79

Terphenyl-d14

Concen: 51.691 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113832.D

Acq: 18 Apr 2019 22:28

Instrument :

BNA_F

ClientSampleId :

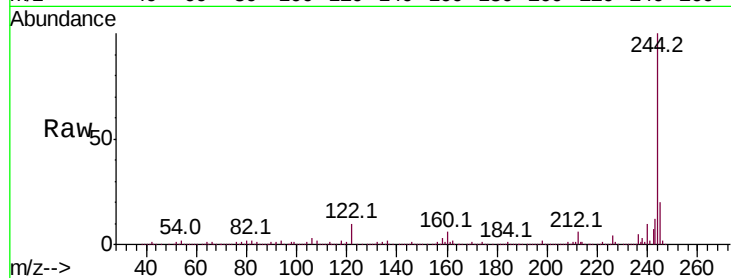
Tot Ion:244 Resp: 1198580

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

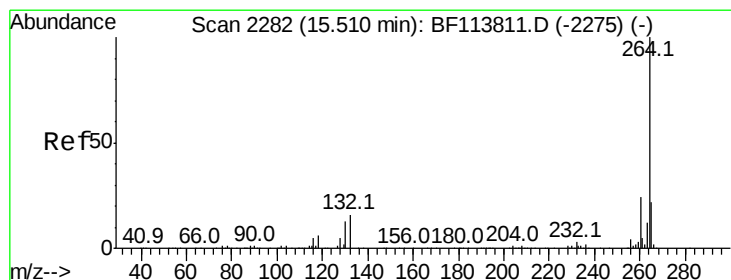
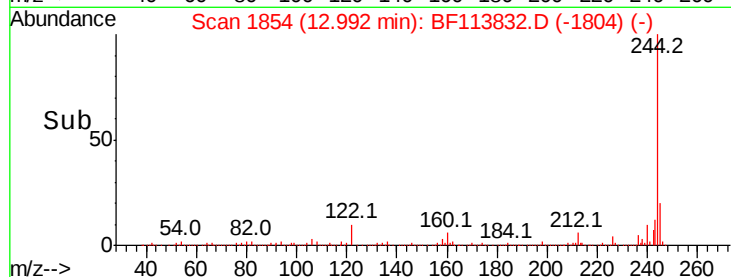
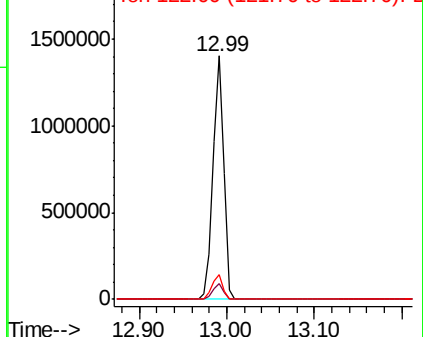
122 10.0 7.6 11.4



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: 15.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BF113832.D

Acq: 18 Apr 2019 22:28

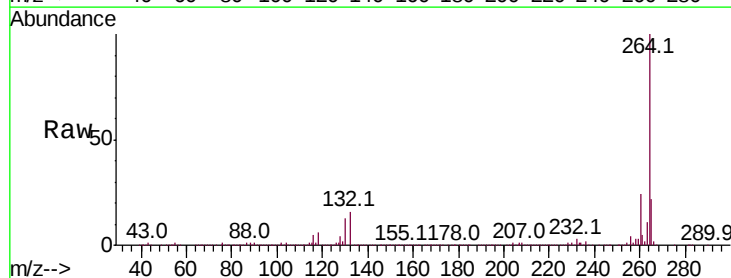
Tgt Ion:264 Resp: 557134

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 22.0 17.3 25.9



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

