

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032719\
 Data File : BF113357.D
 Acq On : 28 Mar 2019 5:01
 Operator : JU/SJ
 Sample : K2086-14
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-18

Quant Time: Mar 28 08:49:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

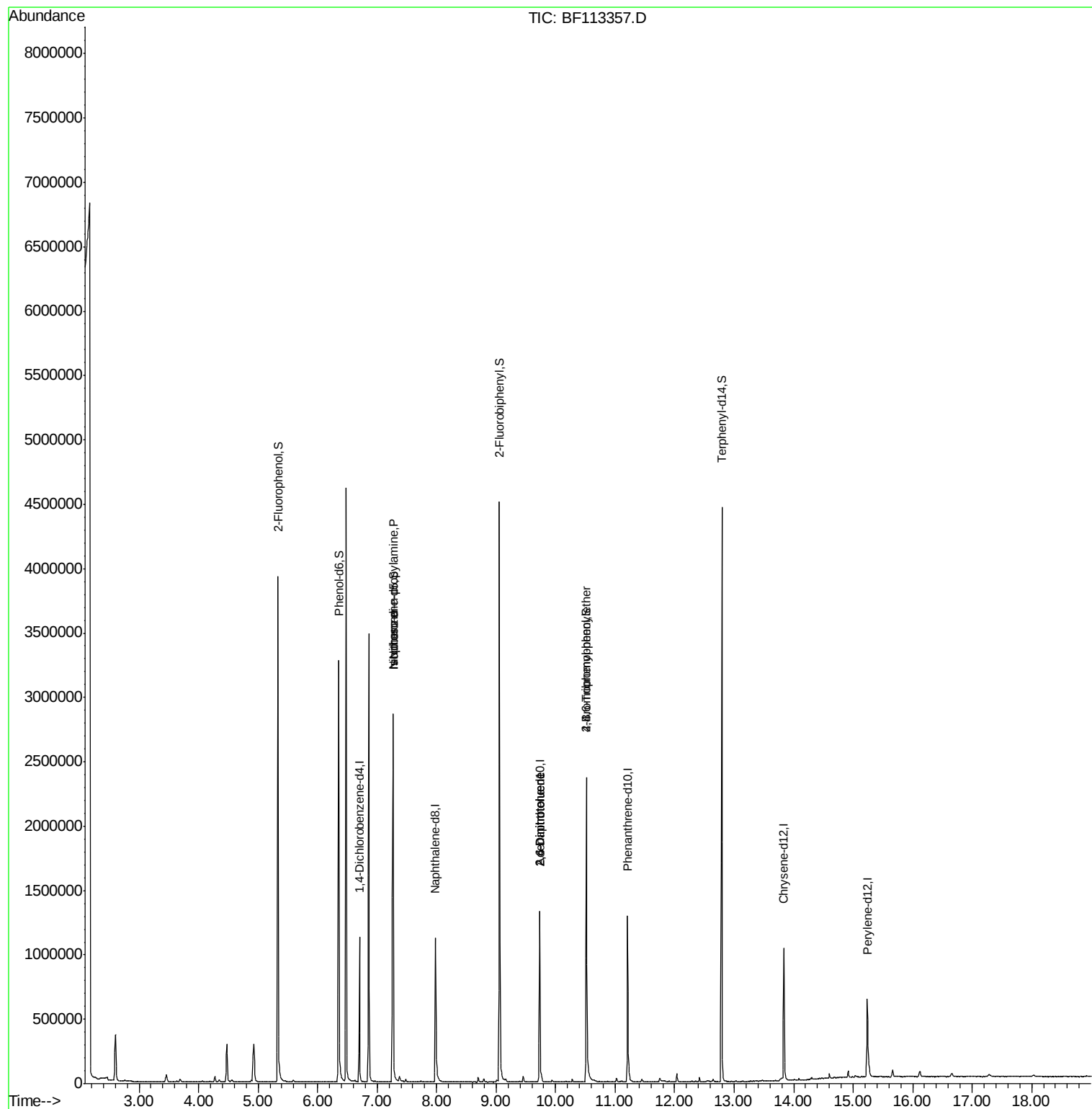
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	175772	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	643198	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	294837	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	510086	20.00	ng	0.00
76) Chrysene-d12	13.83	240	425757	20.00	ng	-0.01
87) Perylene-d12	15.24	264	330212	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1204993	112.09	ng	0.02
7) Phenol-d6	6.36	99	1387396	102.02	ng	0.00
23) Nitrobenzene-d5	7.27	82	1037847	95.77	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	406861	111.72	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1779237	97.09	ng	0.00
79) Terphenyl-d14	12.79	244	1674335	86.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	135018	15.806	ng	# 76
25) Isophorone	7.27	82	1033090	49.192	ng	# 64
51) 2,6-Dinitrotoluene	9.73	165	37454	7.598	ng	# 26
57) 2,4-Dinitrotoluene	9.73	165	37454	5.975	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	21905	3.940	ng	# 1

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

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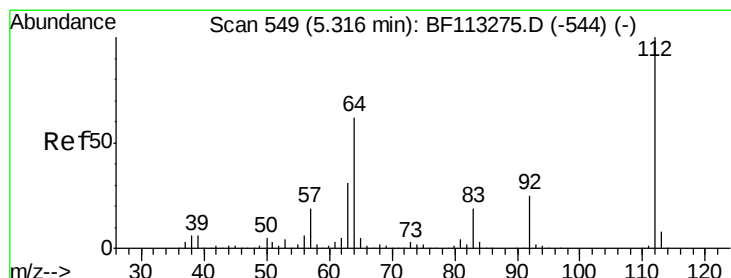
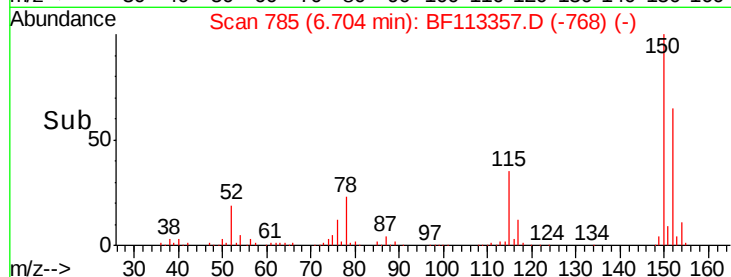
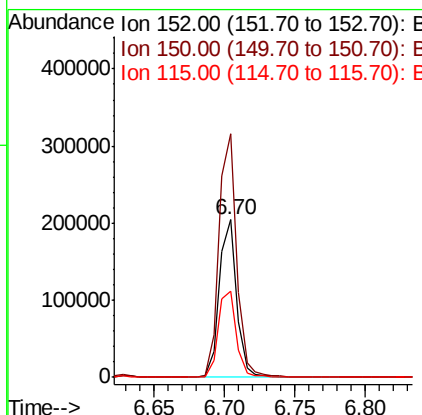
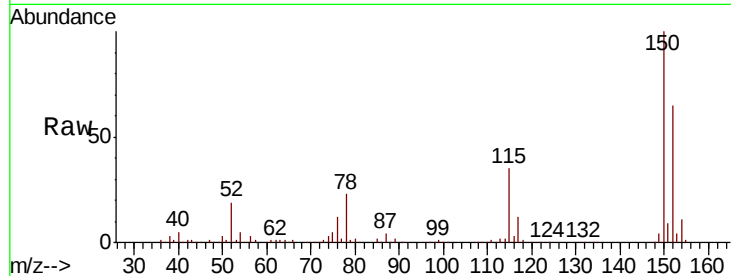




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF113357.D
 Acq: 28 Mar 2019 5:01

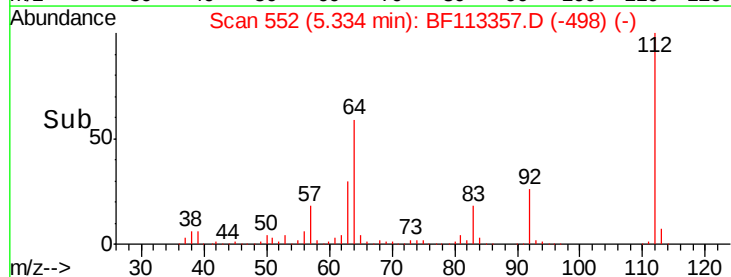
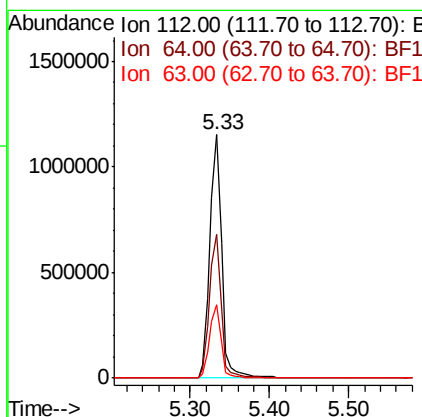
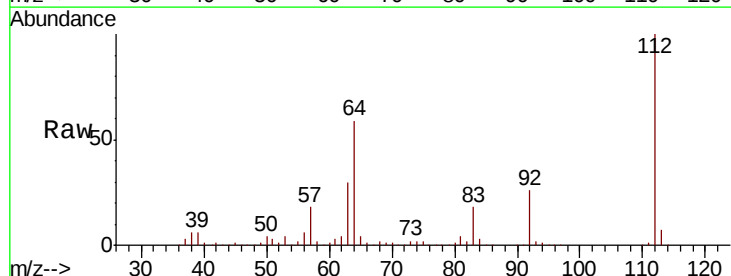
Instrument :
 BNA_F
 ClientSampleId :
 CS-18

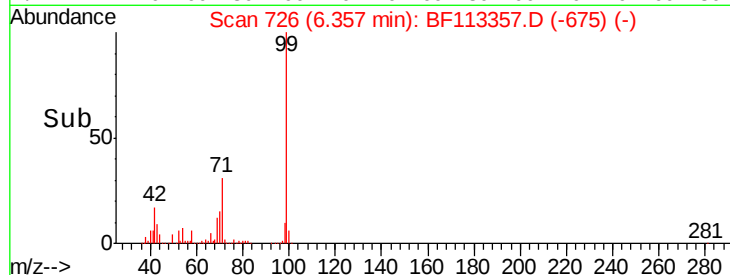
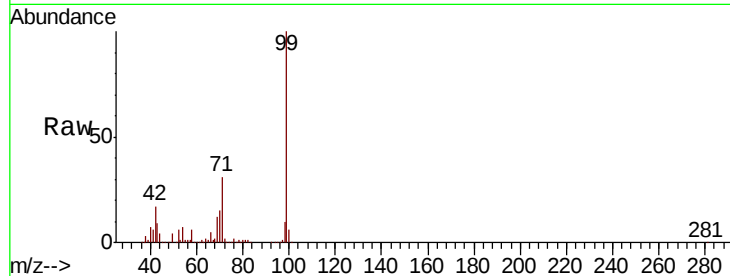
Tgt Ion:152 Resp: 175772
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.7 187.1
 115 54.5 46.0 69.0



#5
 2-Fluorophenol
 Concen: 112.095 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.02 min
 Lab File: BF113357.D
 Acq: 28 Mar 2019 5:01

Tgt Ion:112 Resp: 1204993
 Ion Ratio Lower Upper
 112 100
 64 59.0 49.2 73.8
 63 30.2 24.9 37.3





#7

Phenol-d6

Concen: 102.021 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

Instrument :

BNA_F

ClientSampleId :

CS-18

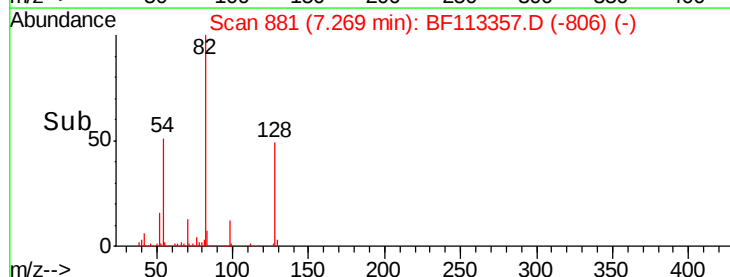
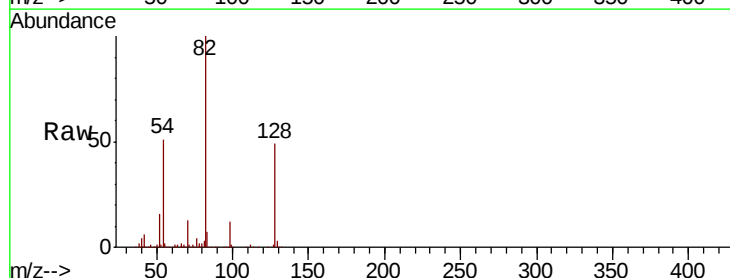
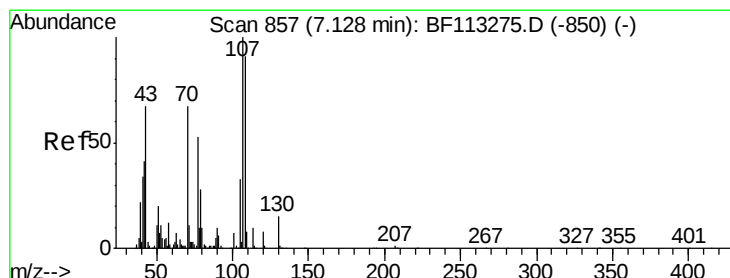
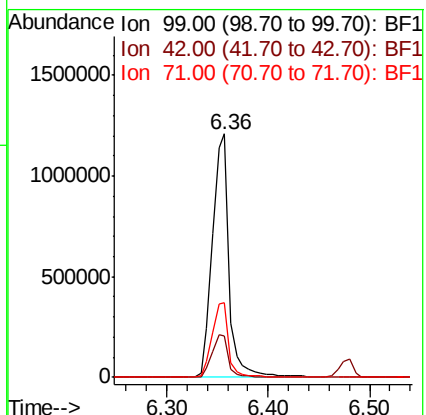
Tgt Ion: 99 Resp: 1387396

Ion Ratio Lower Upper

99 100

42 16.9 14.8 22.2

71 30.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.806 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

Tgt Ion: 70 Resp: 135018

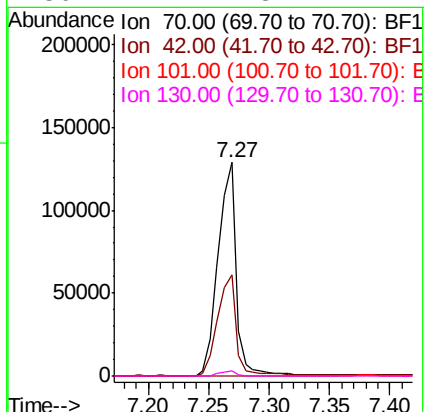
Ion Ratio Lower Upper

70 100

42 47.4 48.4 72.6#

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

Instrument :

BNA_F

ClientSampleId :

CS-18

Tgt Ion:136 Resp: 643198

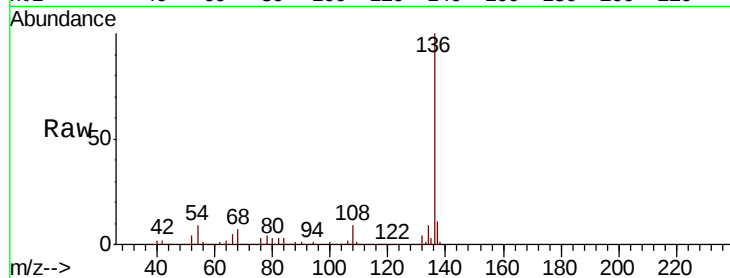
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.6 7.0 10.6

68 6.7 4.8 7.2

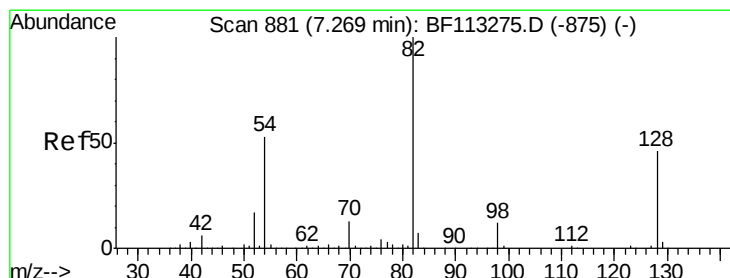
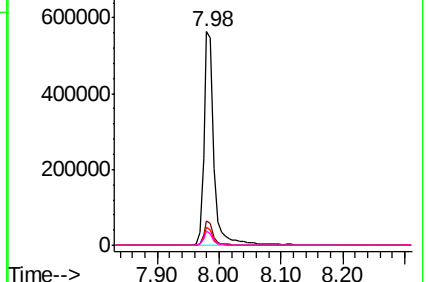
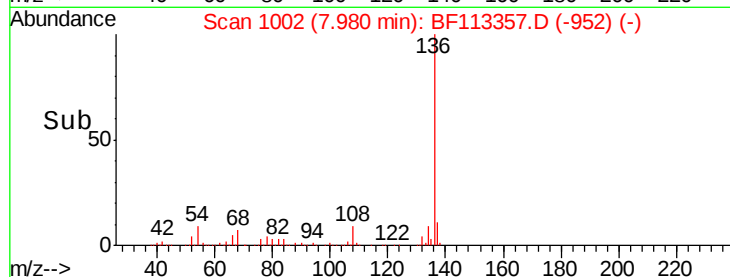


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.772 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

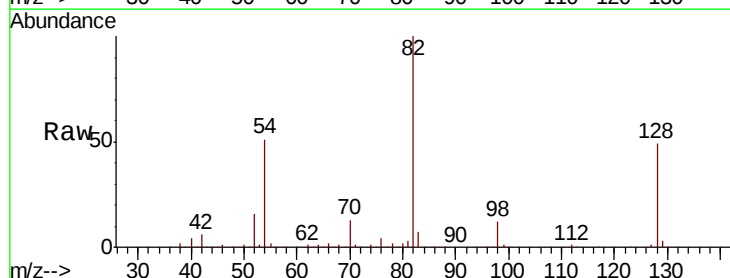
Tgt Ion: 82 Resp: 1037847

Ion Ratio Lower Upper

82 100

128 49.0 36.5 54.7

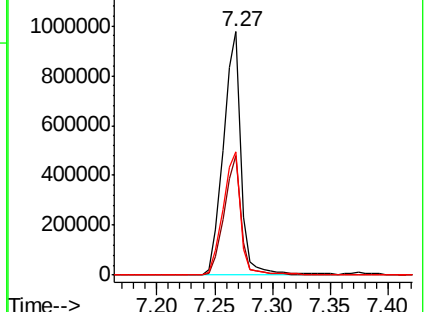
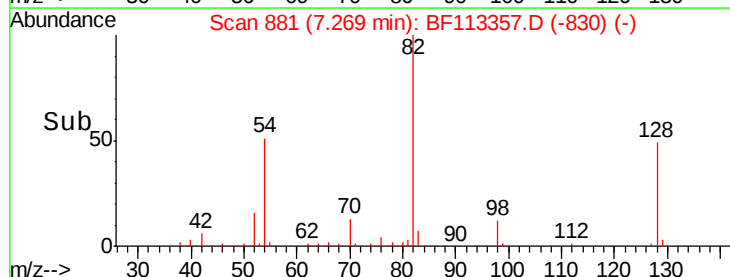
54 50.6 42.2 63.2

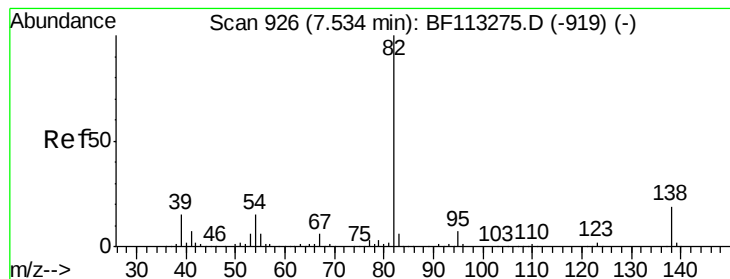


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.192 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

Instrument :

BNA_F

ClientSampleId :

CS-18

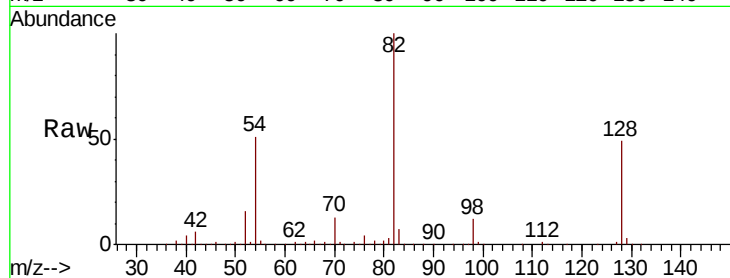
Tgt Ion: 82 Resp: 1033090

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

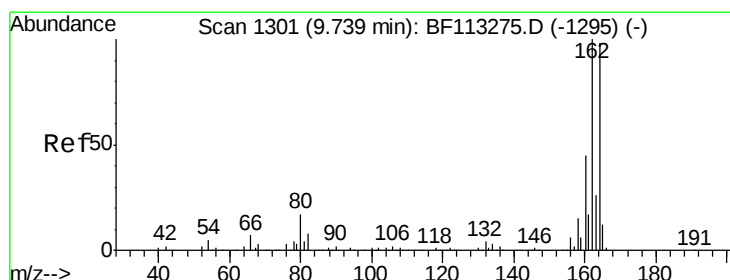
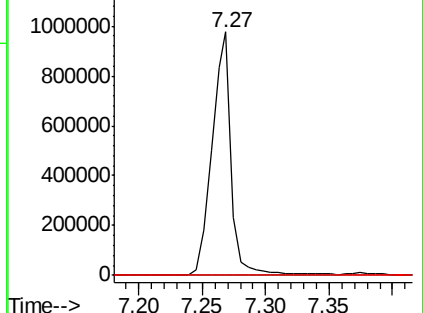
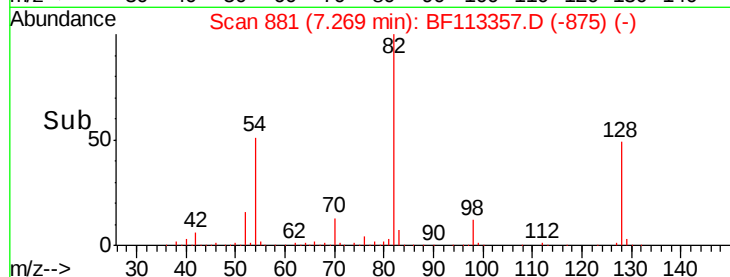
138 0.0 15.2 22.8#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

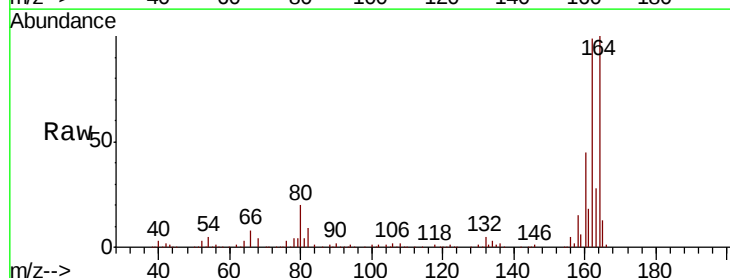
Tgt Ion: 164 Resp: 294837

Ion Ratio Lower Upper

164 100

162 98.7 81.8 122.6

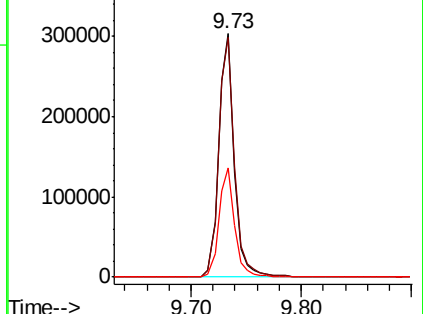
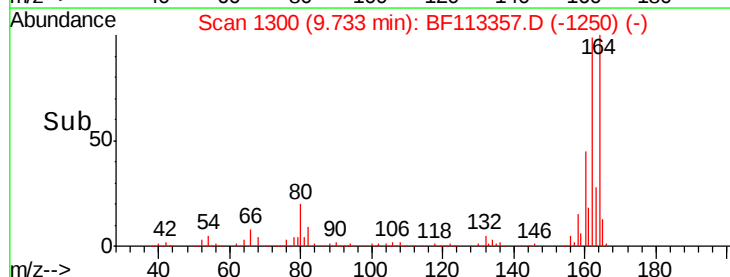
160 45.0 36.4 54.6

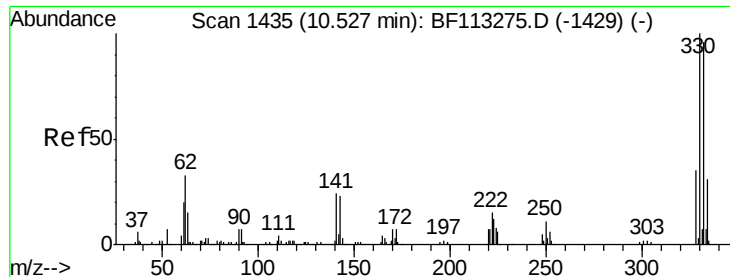


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

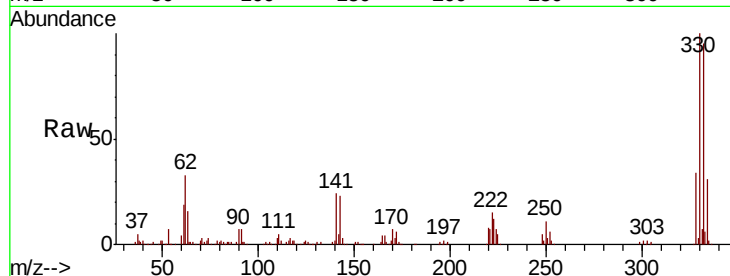




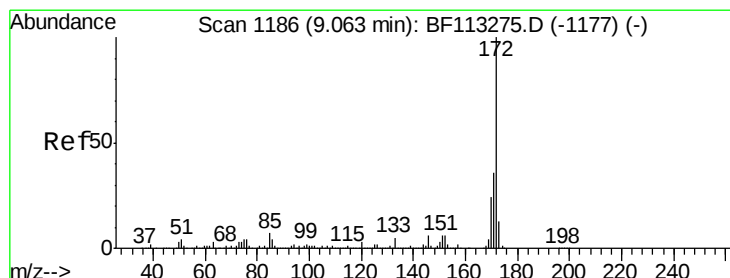
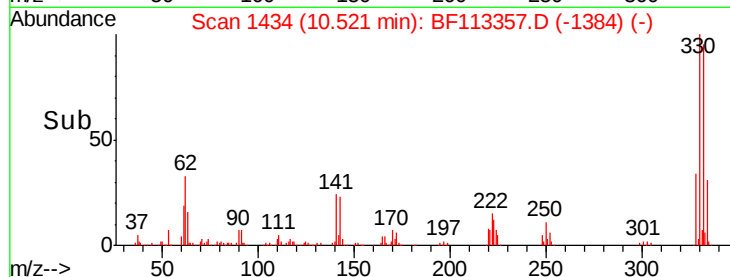
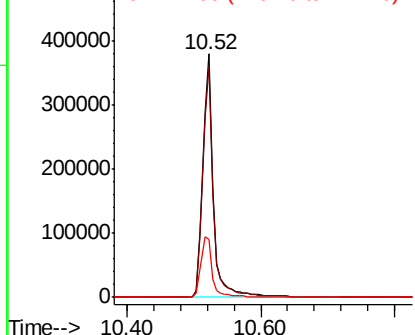
#42
 2,4,6-Tribromophenol
 Concen: 111.716 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113357.D
 Acq: 28 Mar 2019 5:01

Instrument :
 BNA_F
 ClientSampled :
 CS-18

Tgt Ion:330 Resp: 406861
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.8 116.6
 141 27.2 22.7 34.1

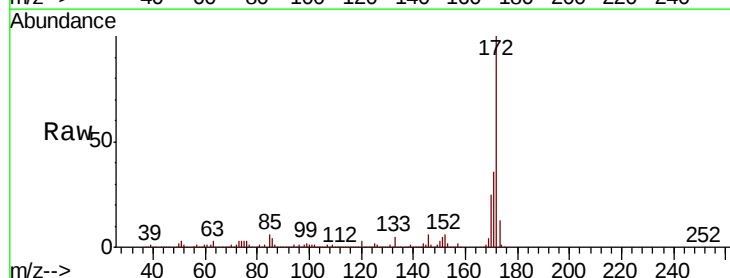


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

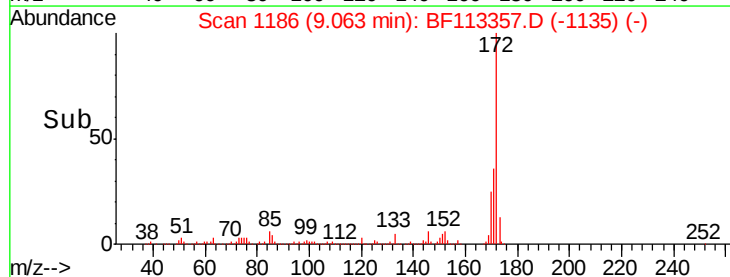
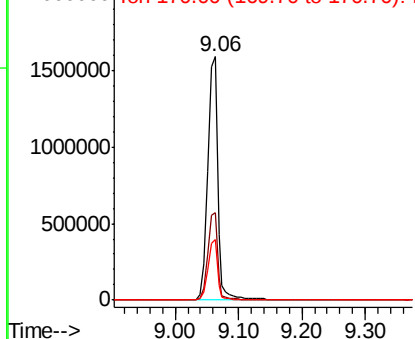


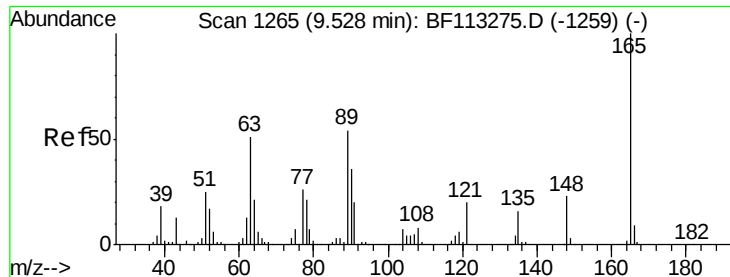
#45
 2-Fluorobiphenyl
 Concen: 97.094 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113357.D
 Acq: 28 Mar 2019 5:01

Tgt Ion:172 Resp: 1779237
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.9 19.5 29.3



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: 7.598 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

Instrument :

BNA_F

ClientSampleId :

CS-18

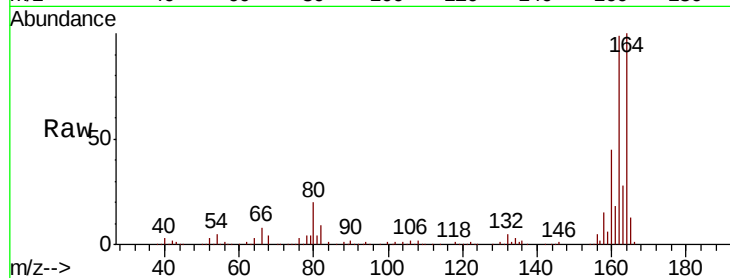
Tgt Ion:165 Resp: 37454

Ion Ratio Lower Upper

165 100

63 1.1 43.4 65.0#

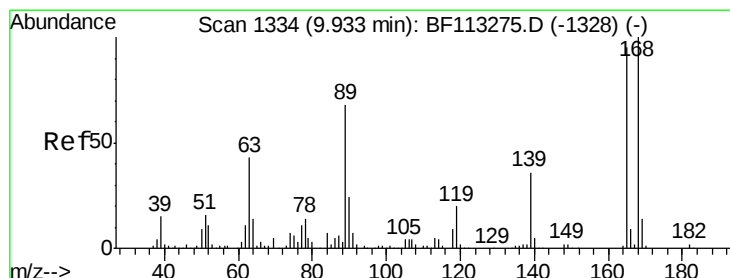
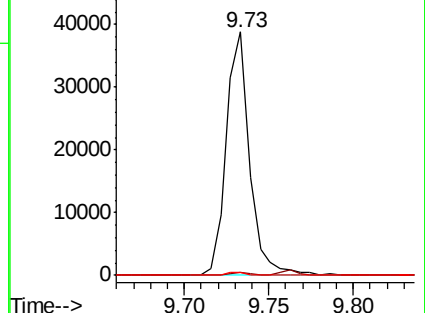
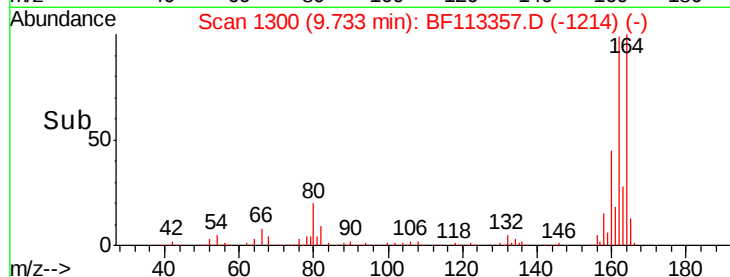
89 1.3 43.1 64.7#



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: 5.975 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.20 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

Tgt Ion:165 Resp: 37454

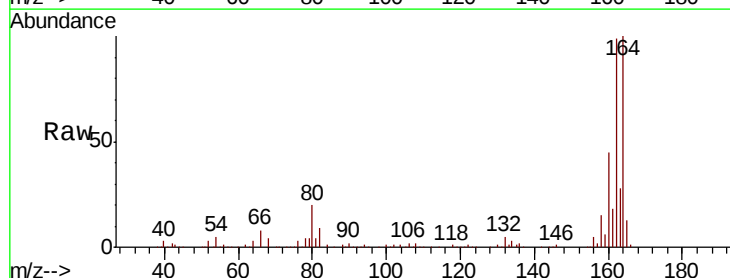
Ion Ratio Lower Upper

165 100

63 1.1 37.5 56.3#

89 1.3 57.4 86.2#

182 0.0 2.0 3.0#

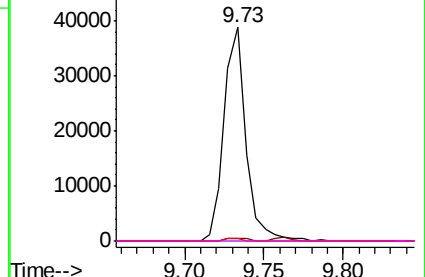
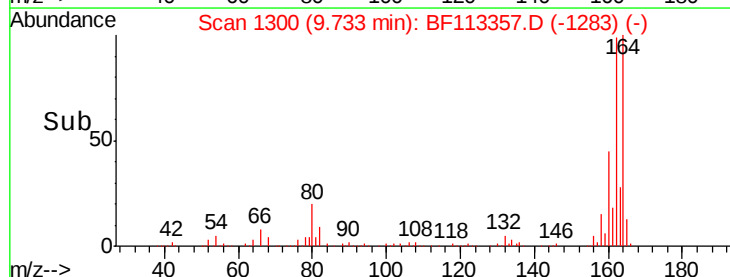


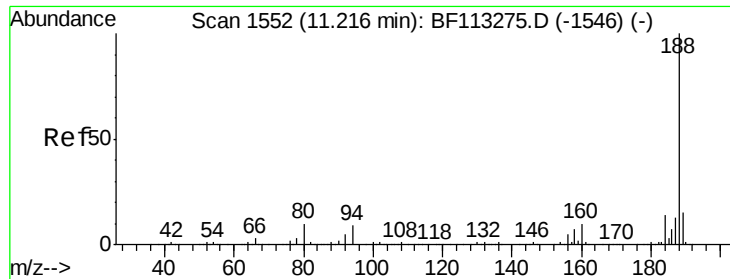
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

Instrument :

BNA_F

ClientSampleId :

CS-18

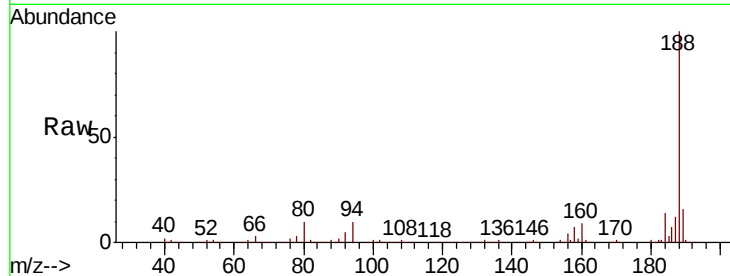
Tgt Ion:188 Resp: 510086

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.6

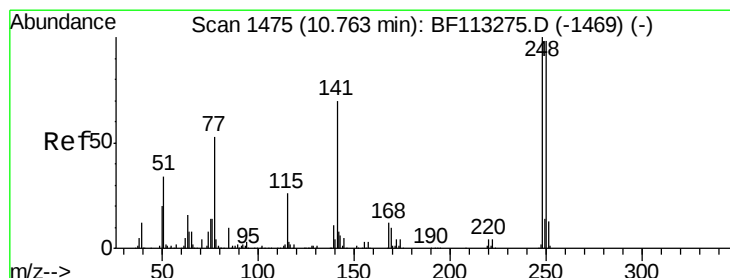
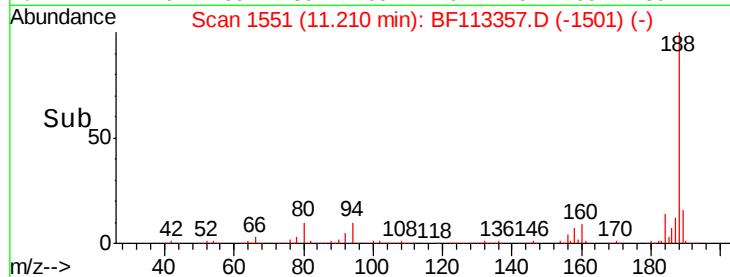
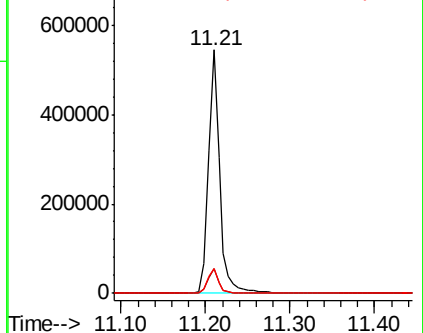
80 10.1 7.7 11.5



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: 3.940 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.24 min

Lab File: BF113357.D

Acq: 28 Mar 2019 5:01

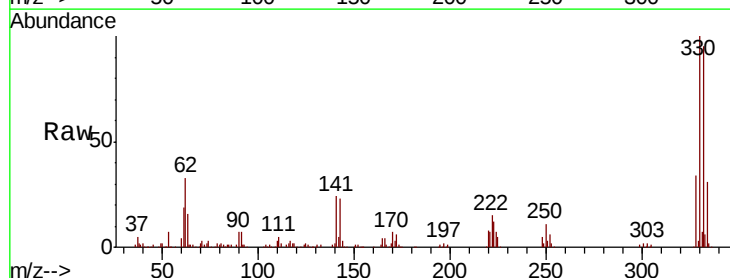
Tgt Ion:248 Resp: 21905

Ion Ratio Lower Upper

248 100

250 210.4 78.3 117.5#

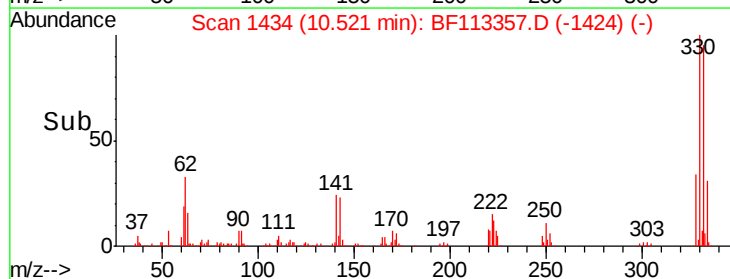
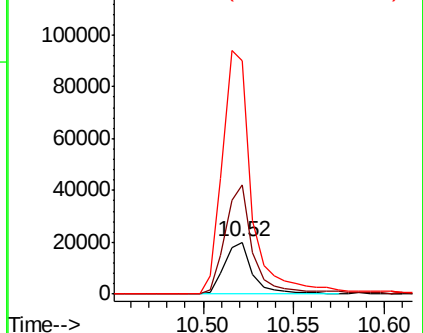
141 452.7 56.2 84.4#

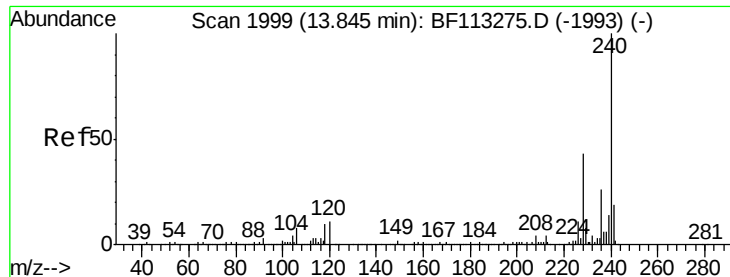


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

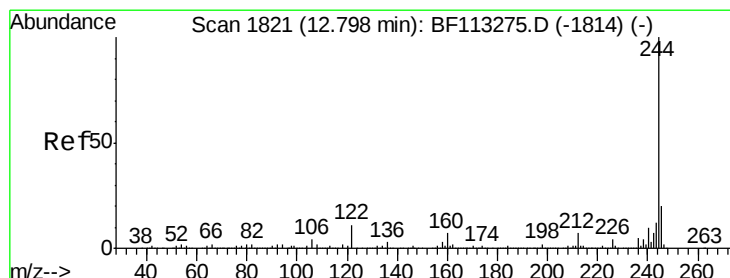
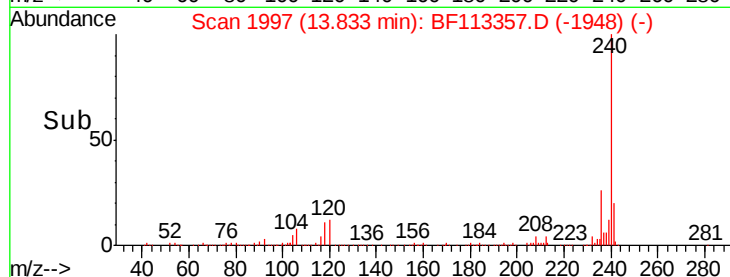
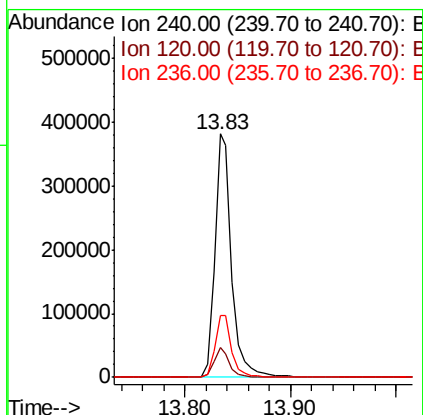
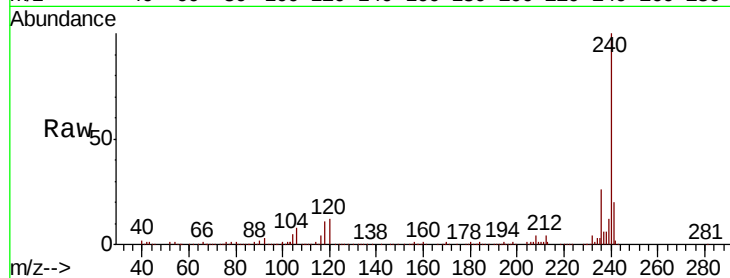




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113357.D
Acq: 28 Mar 2019 5:01

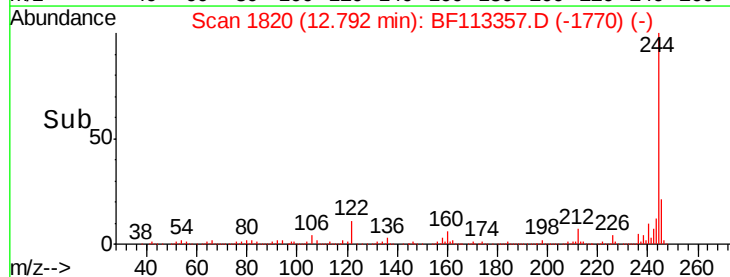
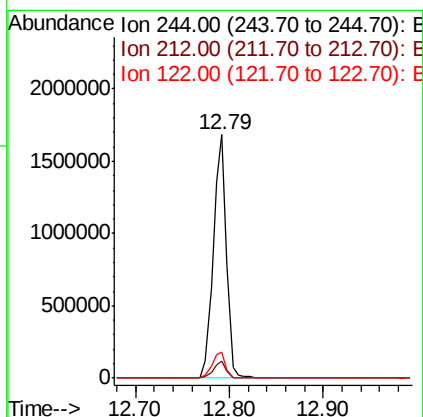
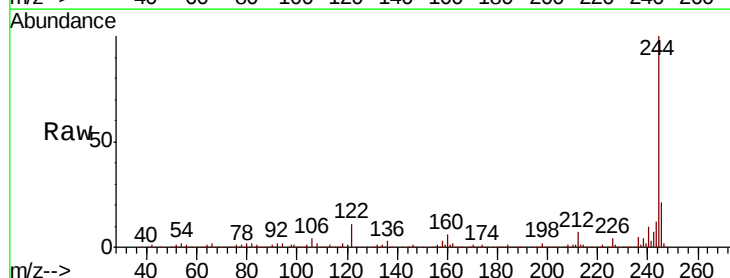
Instrument :
BNA_F
ClientSampleId :
CS-18

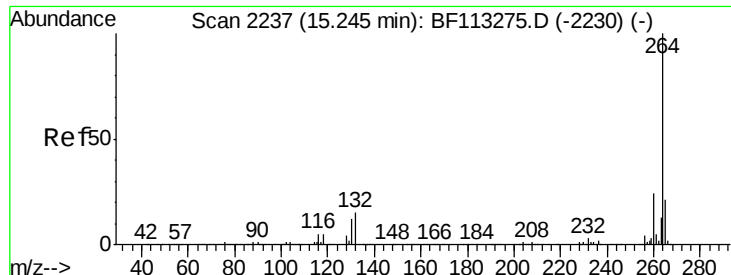
Tgt Ion:240 Resp: 425757
Ion Ratio Lower Upper
240 100
120 12.4 8.8 13.2
236 25.6 20.9 31.3



#79
Terphenyl-d14
Concen: 86.681 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF113357.D
Acq: 28 Mar 2019 5:01

Tgt Ion:244 Resp: 1674335
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 10.7 8.6 13.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113357.D
Acq: 28 Mar 2019 5:01

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.7	17.1	25.7

