

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040119\
 Data File : BF113590.D
 Acq On : 2 Apr 2019 4:45
 Operator : JU/SJ
 Sample : K2177-06
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 02 05:59:31 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

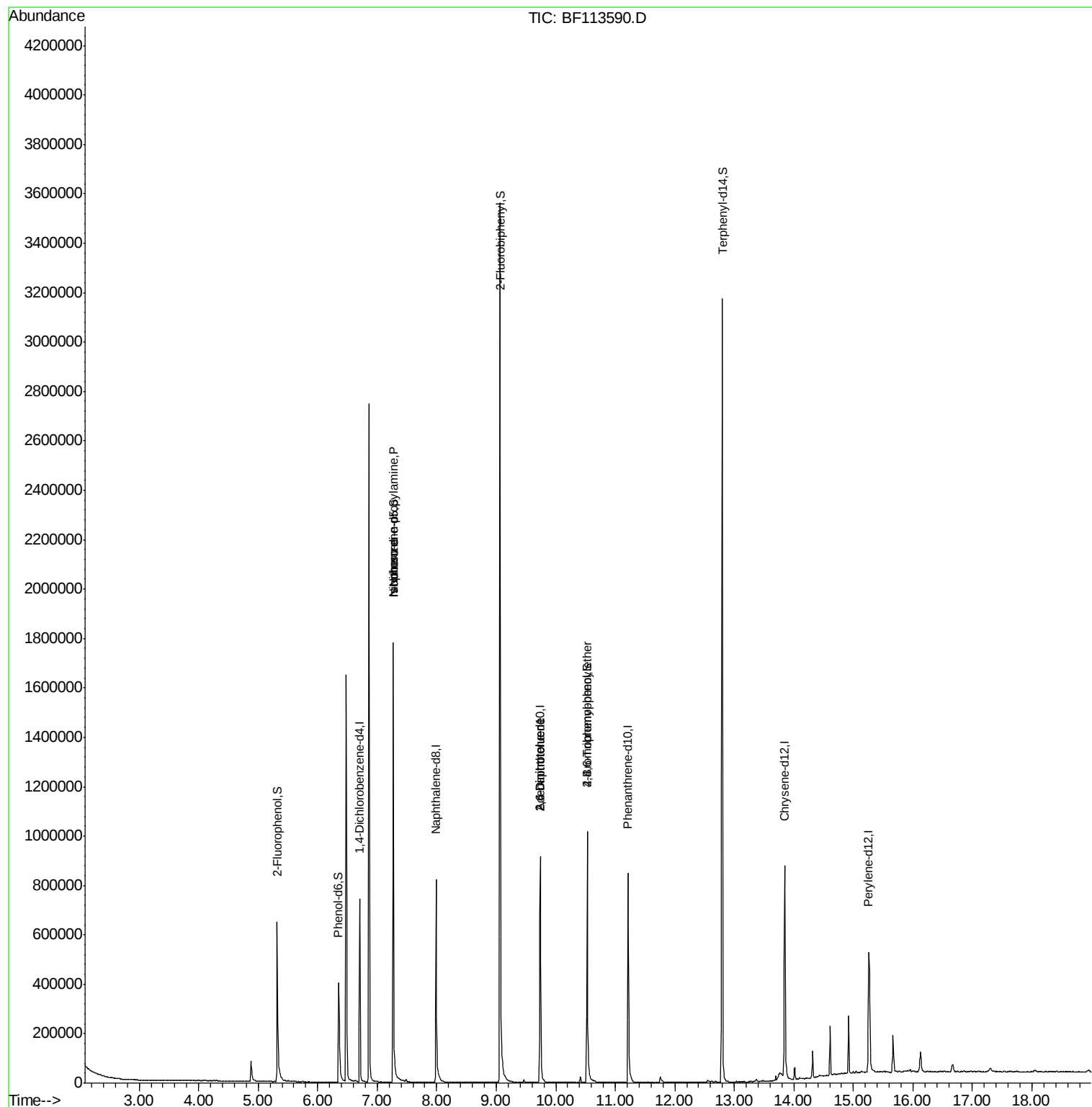
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	125917	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	471283	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	214628	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	396350	20.00	ng	0.00
76) Chrysene-d12	13.84	240	386816	20.00	ng	0.00
87) Perylene-d12	15.26	264	260864	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	253359	32.90	ng	0.00
7) Phenol-d6	6.35	99	204367	20.98	ng	0.00
23) Nitrobenzene-d5	7.27	82	675509	85.07	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	182974	69.02	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1299845	97.52	ng	0.00
79) Terphenyl-d14	12.80	244	1211664	69.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	83801	13.695	ng	# 76
25) Isophorone	7.27	82	675504	43.899	ng	# 64
51) 2,6-Dinitrotoluene	9.74	165	27114	7.556	ng	# 25
57) 2,4-Dinitrotoluene	9.74	165	27114	5.942	ng	# 22
67) 4-Bromophenyl-phenylether	10.53	248	10371	2.401	ng	# 1

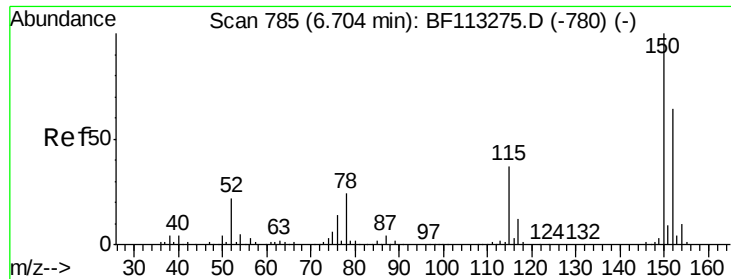
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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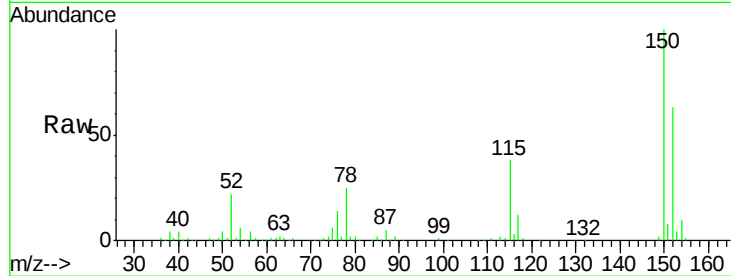


#1

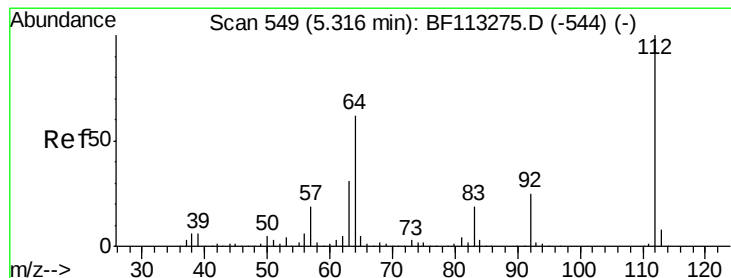
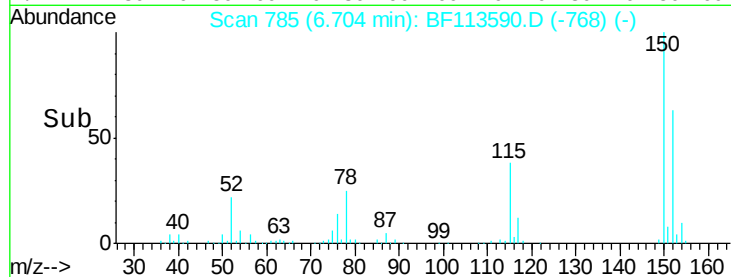
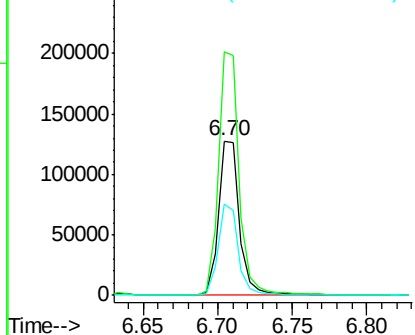
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113590.D
Acq: 2 Apr 2019 4:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125917
Ion Ratio Lower Upper
152 100
150 157.6 124.7 187.1
115 59.1 46.0 69.0



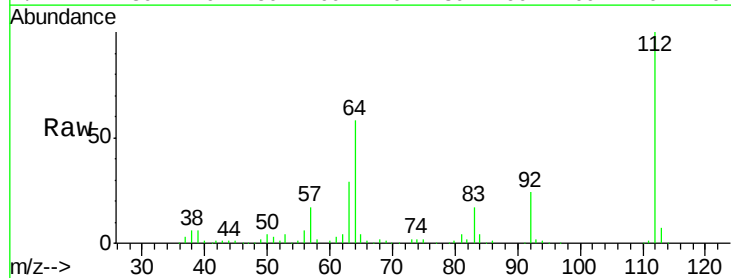
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



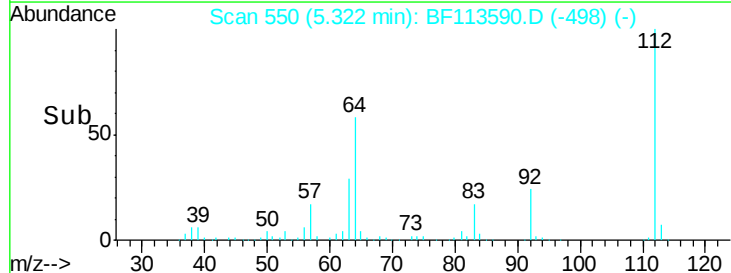
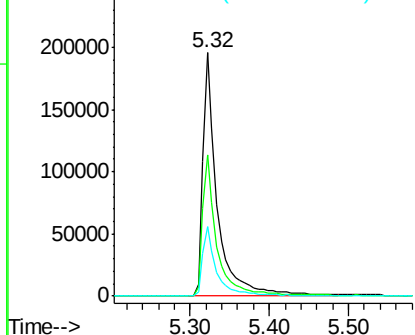
#5

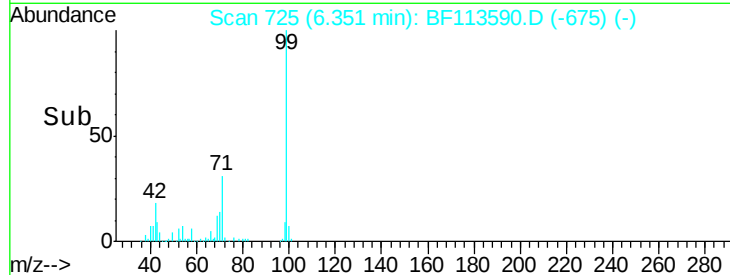
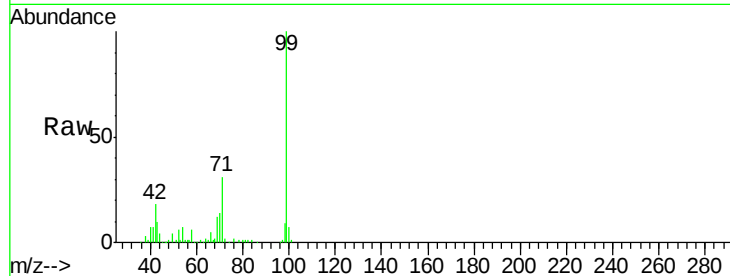
2-Fluorophenol
Concen: 32.900 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113590.D
Acq: 2 Apr 2019 4:45

Tgt Ion:112 Resp: 253359
Ion Ratio Lower Upper
112 100
64 57.8 49.2 73.8
63 28.6 24.9 37.3



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: 20.978 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

Instrument :

BNA_F

ClientSampleId :

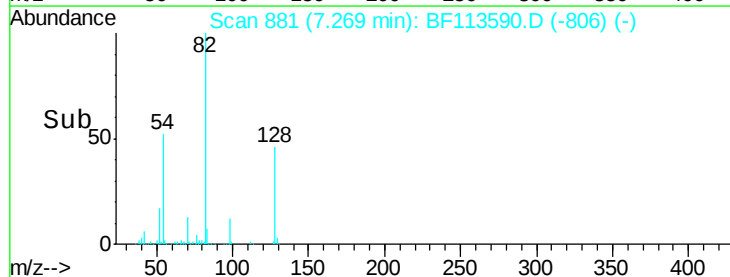
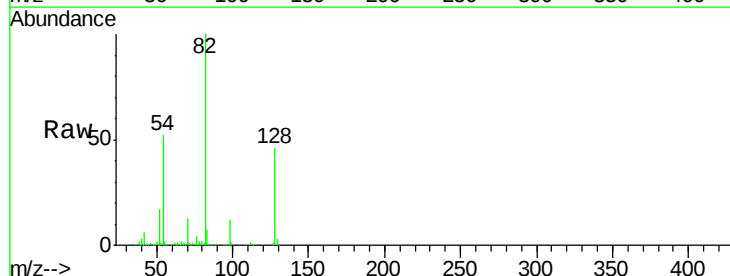
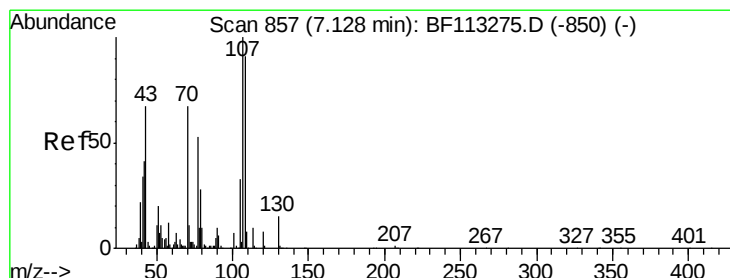
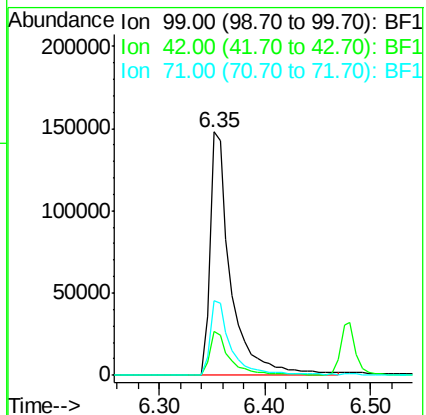
Tot Ion: 99 Resp: 204367

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

71 30.9 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.695 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

Tgt Ion: 70 Resp: 83801

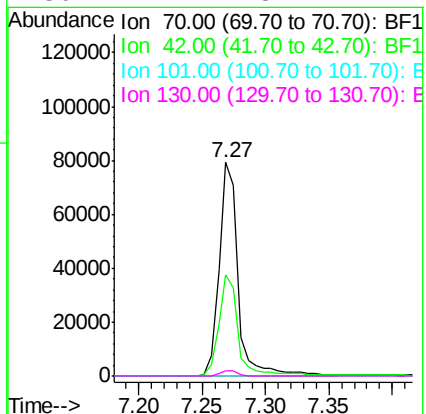
Ion Ratio Lower Upper

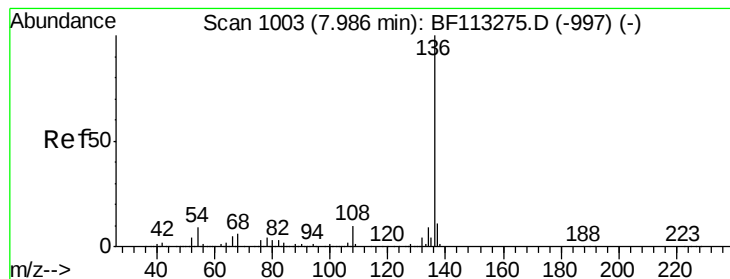
70 100

42 47.7 48.4 72.6#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 471283

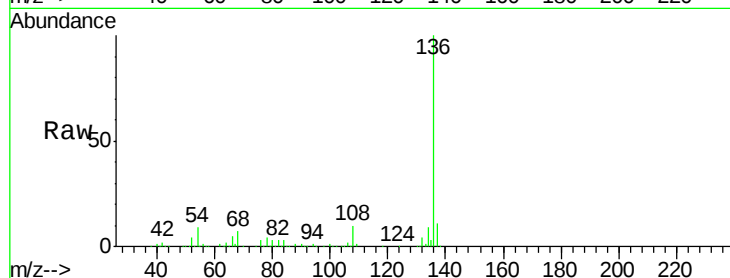
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.6 7.0 10.6

68 6.5 4.8 7.2

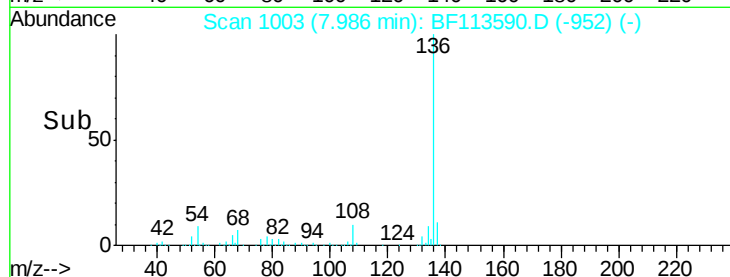


Abundance Ion 136.00 (135.70 to 136.70): E

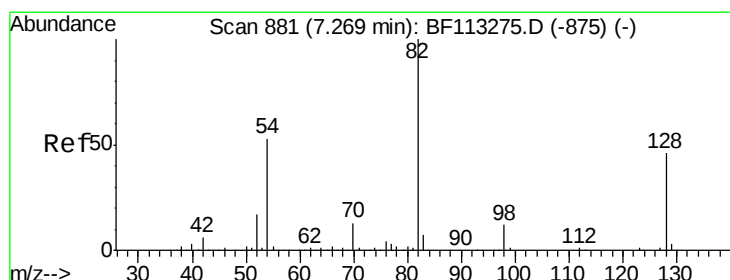
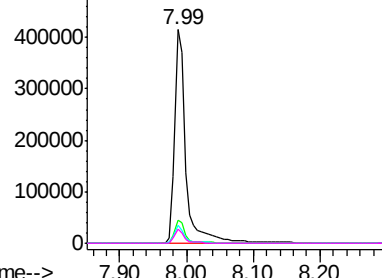
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 85.075 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

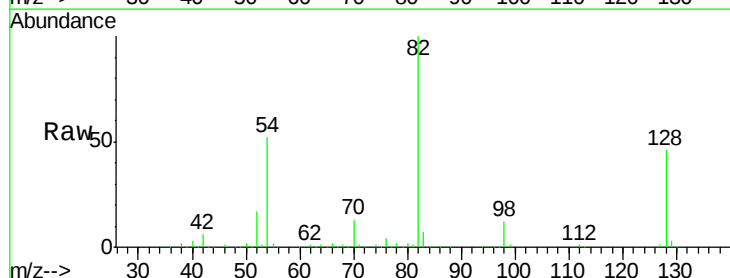
Tgt Ion: 82 Resp: 675509

Ion Ratio Lower Upper

82 100

128 45.9 36.5 54.7

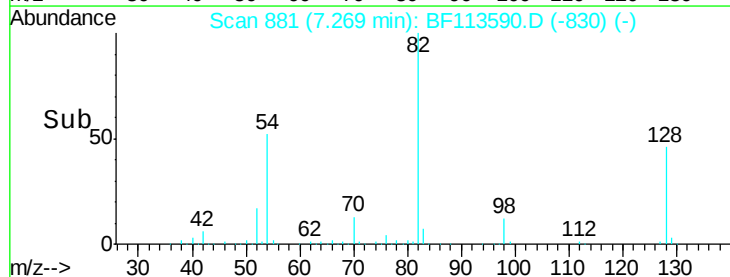
54 52.4 42.2 63.2



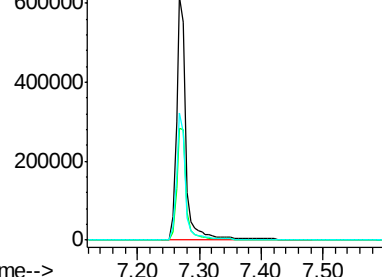
Abundance Ion 82.00 (81.70 to 82.70): BF1

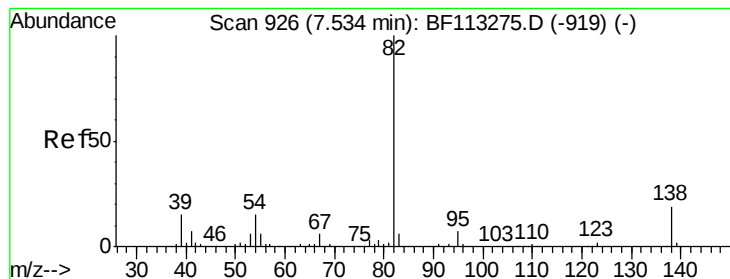
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 43.899 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

Instrument :

BNA_F

ClientSampleId :

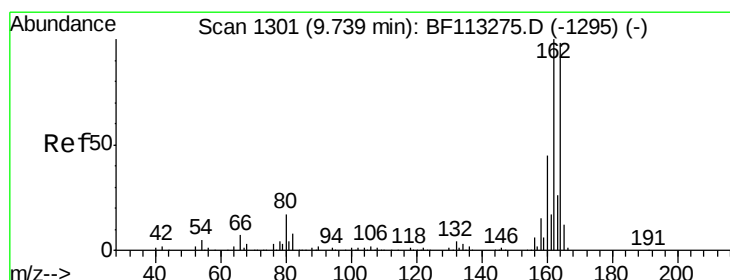
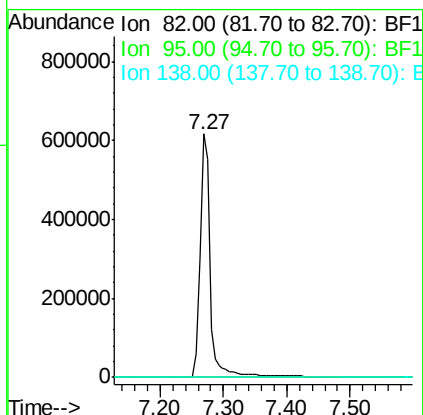
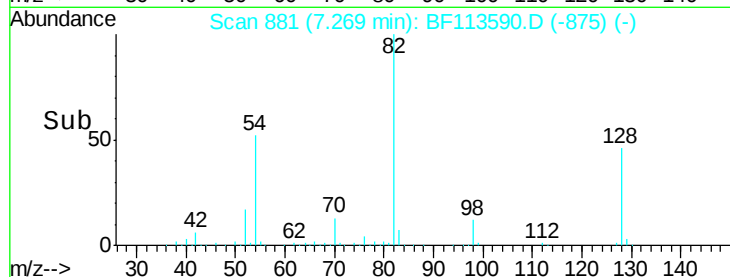
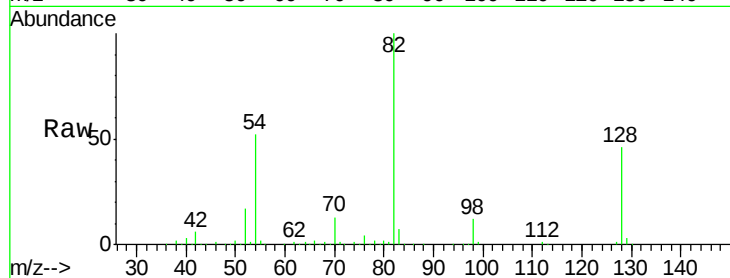
Tot Ion: 82 Resp: 675504

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

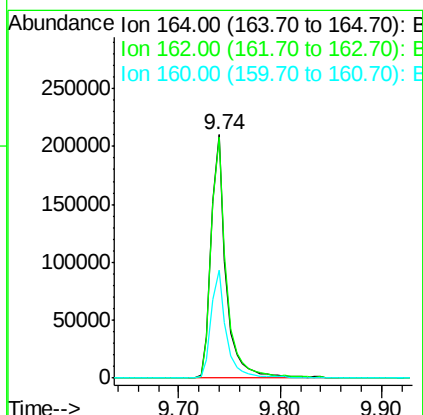
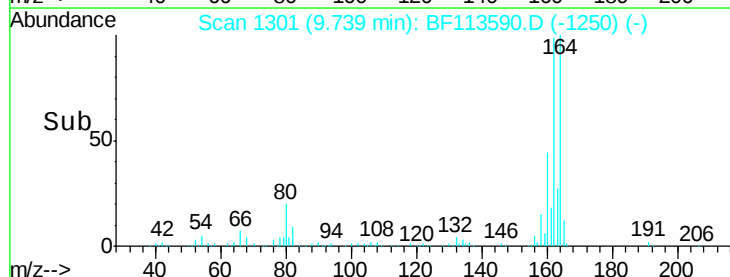
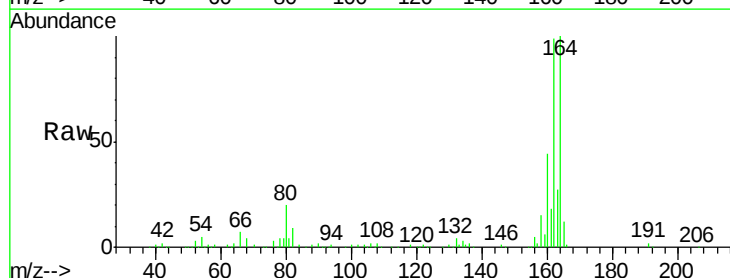
Tgt Ion:164 Resp: 214628

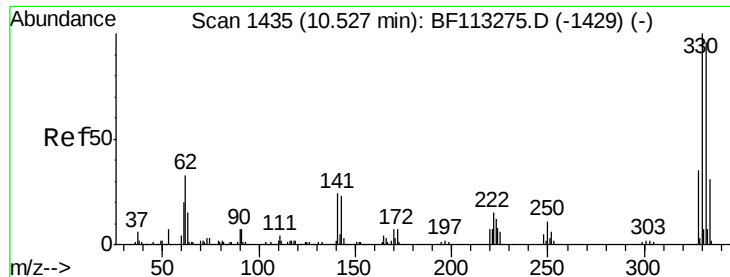
Ion Ratio Lower Upper

164 100

162 98.8 81.8 122.6

160 44.2 36.4 54.6

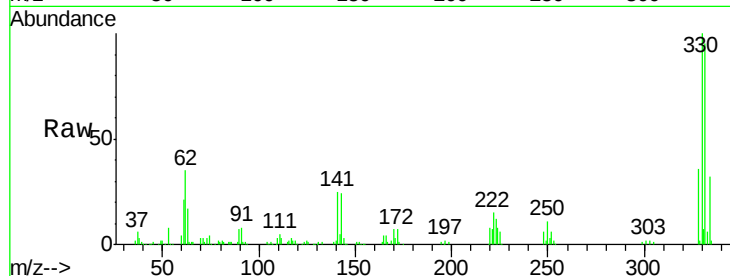




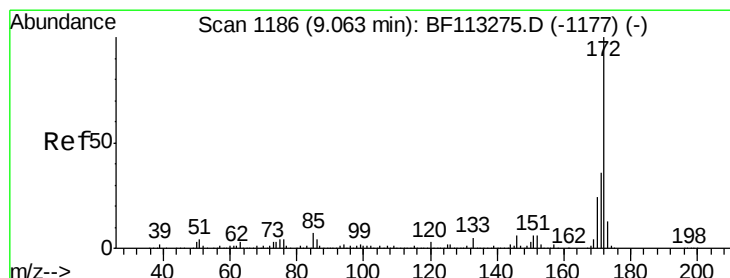
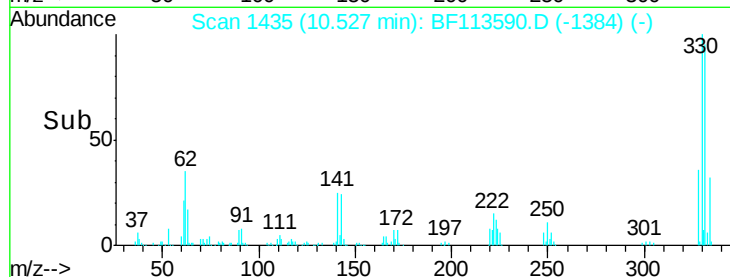
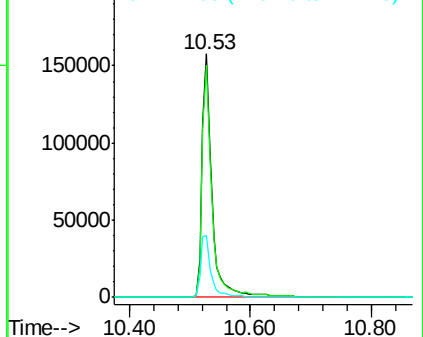
#42
 2,4,6-Tribromophenol
 Concen: 69.017 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113590.D
 Acq: 2 Apr 2019 4:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 182974
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.8 116.6
 141 26.4 22.7 34.1

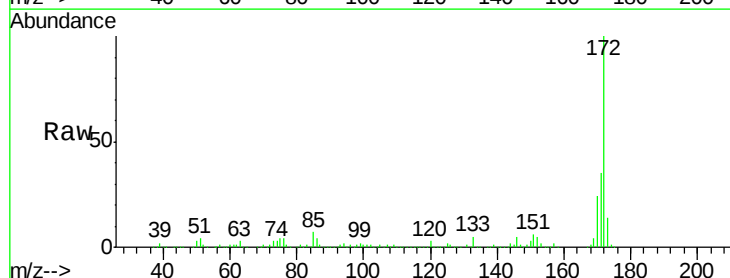


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

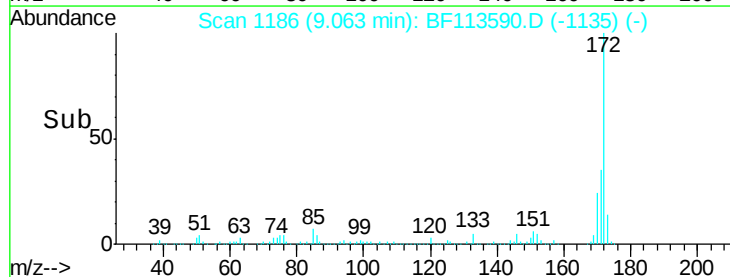
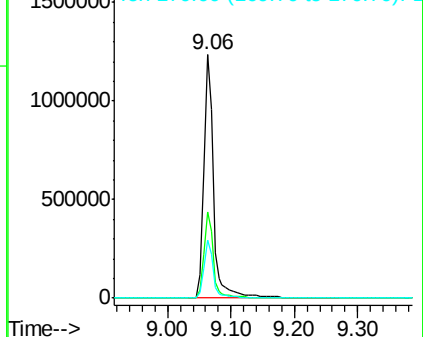


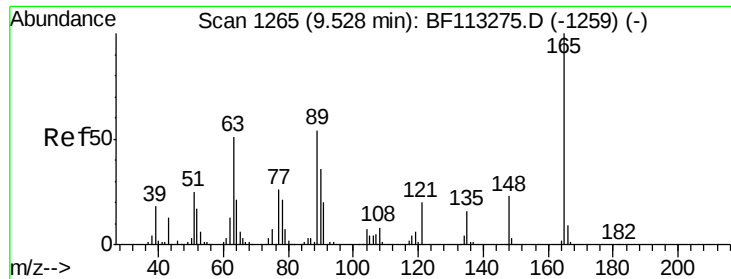
#45
 2-Fluorobiphenyl
 Concen: 97.522 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113590.D
 Acq: 2 Apr 2019 4:45

Tgt Ion:172 Resp: 1299845
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.6
 170 24.0 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: 7.556 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.21 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

Instrument :

BNA_F

ClientSampleId :

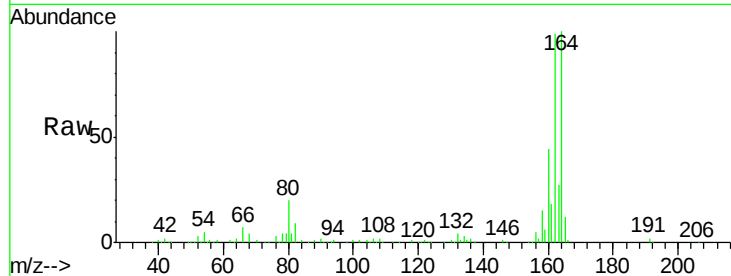
Tot Ion:165 Resp: 27114

Ion Ratio Lower Upper

165 100

63 1.2 43.4 65.0#

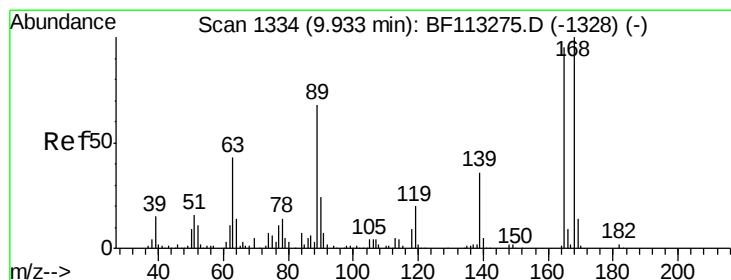
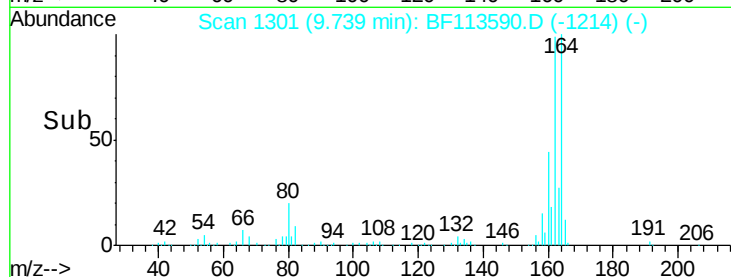
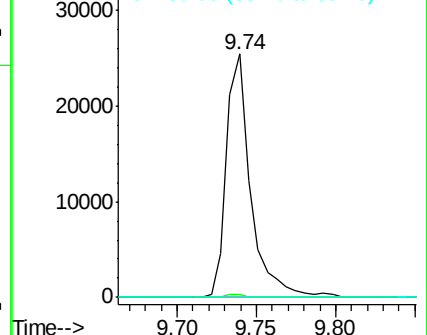
89 0.0 43.1 64.7#



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: 5.942 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.19 min

Lab File: BF113590.D

Acq: 2 Apr 2019 4:45

Tgt Ion:165 Resp: 27114

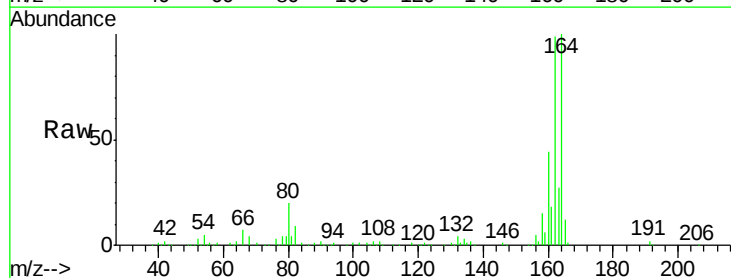
Ion Ratio Lower Upper

165 100

63 1.2 37.5 56.3#

89 0.0 57.4 86.2#

182 0.0 2.0 3.0#

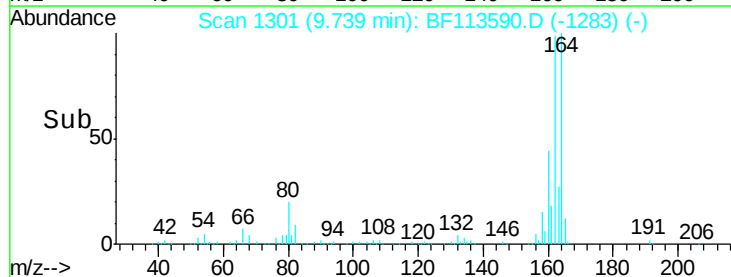
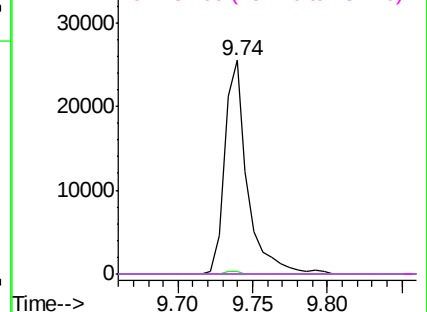


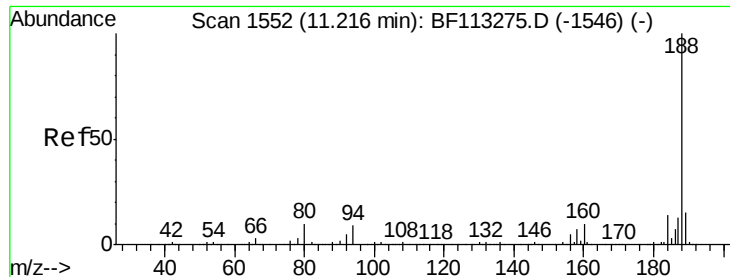
Abundance Ion 165.00 (164.70 to 165.70): E

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

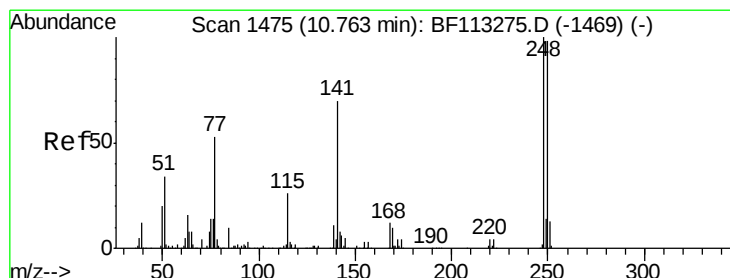
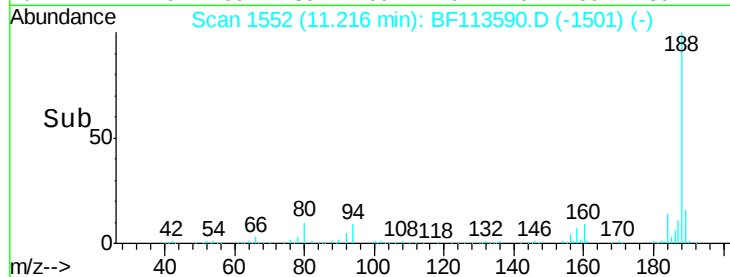
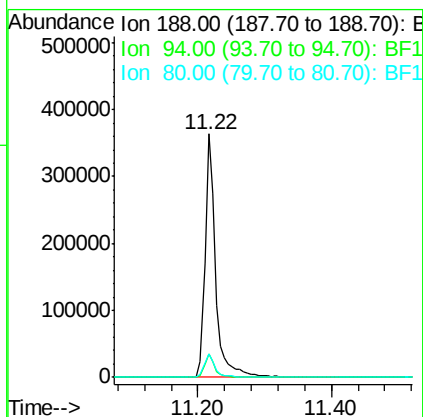
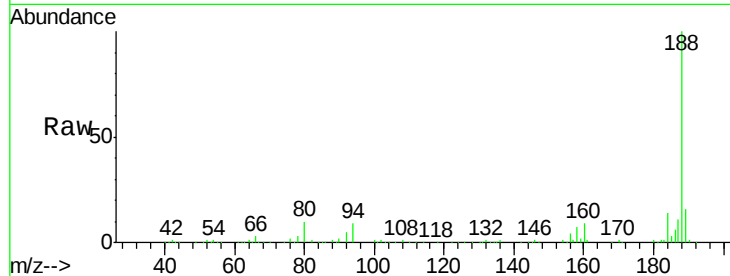




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF113590.D
Acq: 2 Apr 2019 4:45

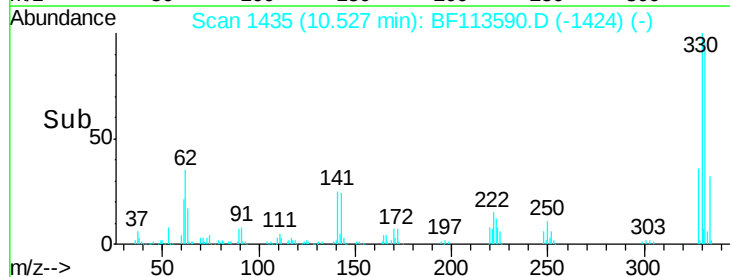
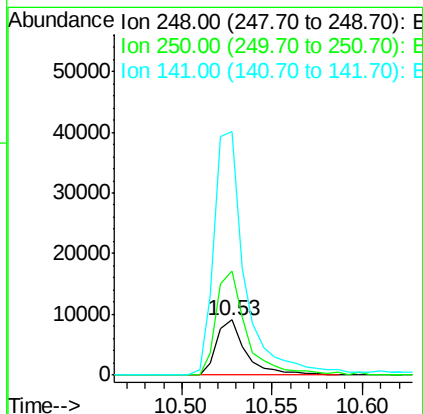
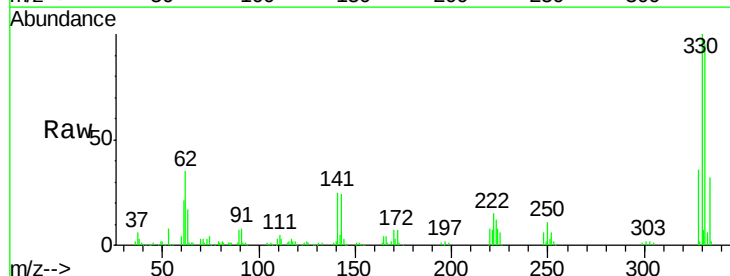
Instrument :
BNA_F
ClientSampleId :

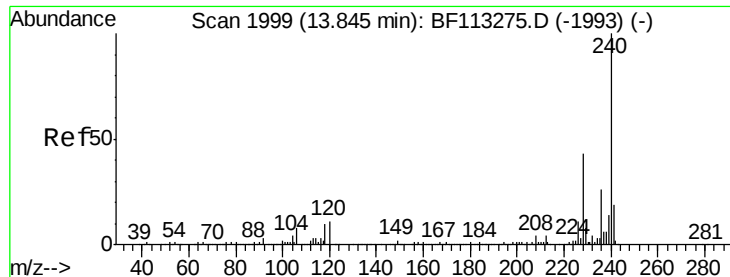
Tot Ion:188 Resp: 396350
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 9.8 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 2.401 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.24 min
Lab File: BF113590.D
Acq: 2 Apr 2019 4:45

Tgt Ion:248 Resp: 10371
Ion Ratio Lower Upper
248 100
250 188.6 78.3 117.5#
141 440.8 56.2 84.4#

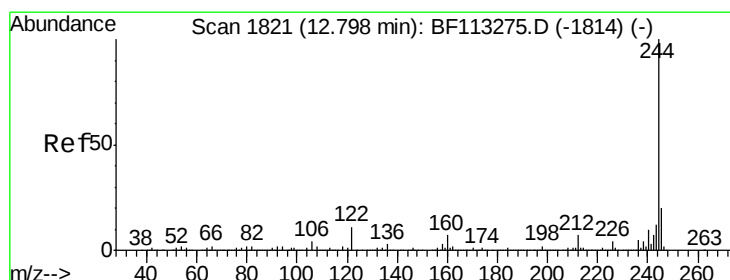
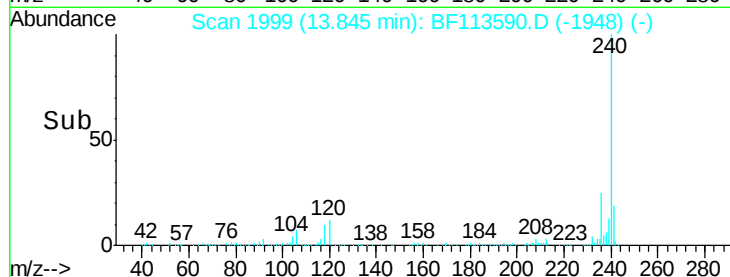
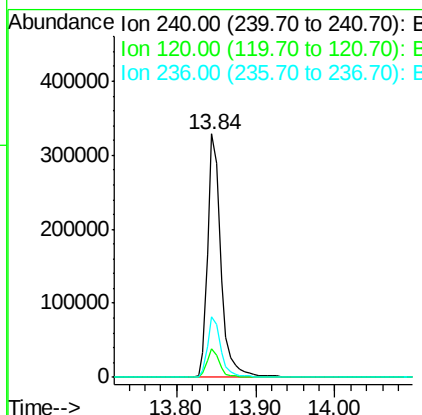
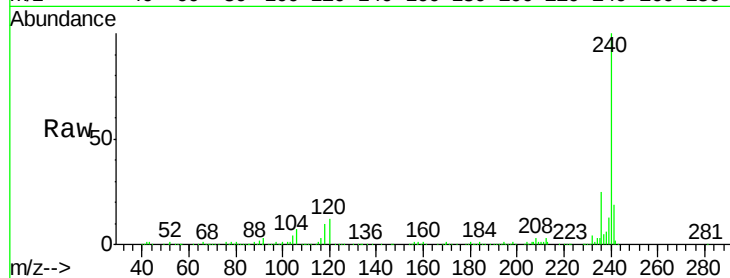




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF113590.D
Acq: 2 Apr 2019 4:45

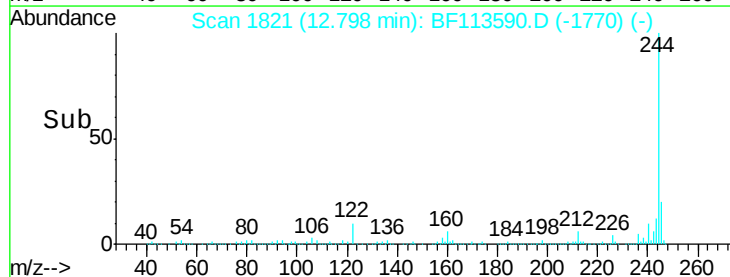
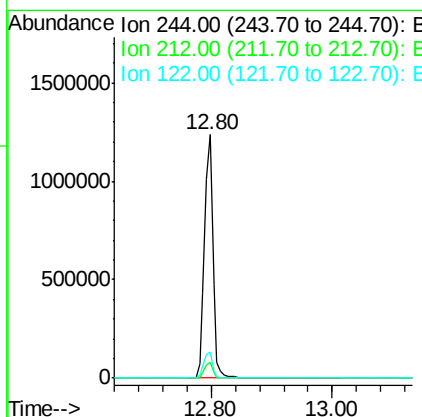
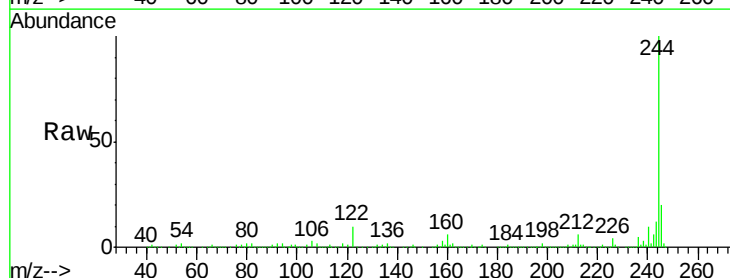
Instrument :
BNA_F
ClientSampleId :

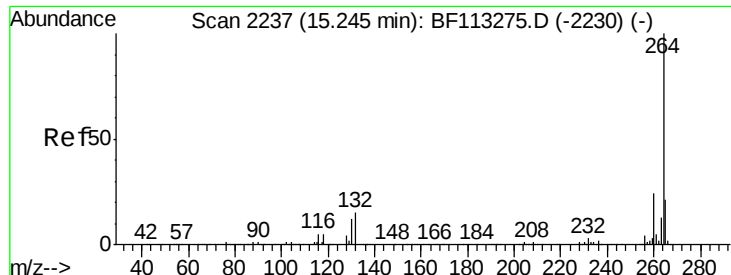
Tot Ion:240 Resp: 386816
Ion Ratio Lower Upper
240 100
120 11.7 8.8 13.2
236 25.0 20.9 31.3



#79
Terphenyl-d14
Concen: 69.043 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF113590.D
Acq: 2 Apr 2019 4:45

Tgt Ion:244 Resp: 1211664
Ion Ratio Lower Upper
244 100
212 6.4 5.5 8.3
122 10.5 8.6 13.0

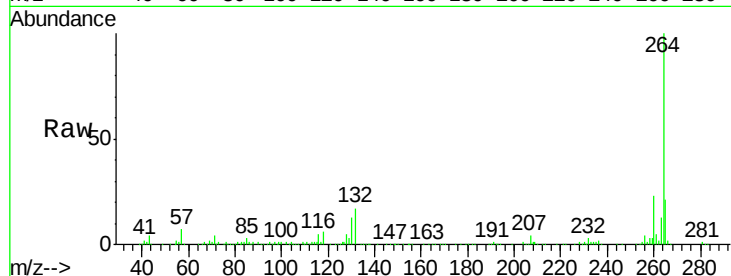




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BF113590.D
 Acq: 2 Apr 2019 4:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 260864
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.4 17.1 25.7



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

