

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113250.D
 Acq On : 22 Mar 2019 22:35
 Operator : JU/SJ
 Sample : K2034-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 23:30:07 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	154854	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	561612	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	256462	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	424957	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	371584	20.00	ng	-0.01
87) Perylene-d12	15.27	264	405239	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	349413	35.10	ng	-0.02
7) Phenol-d6	6.36	99	287607	23.00	ng	-0.02
23) Nitrobenzene-d5	7.27	82	823455	87.74	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	247843	91.03	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	1504682	102.86	ng	-0.02
79) Terphenyl-d14	12.81	244	1184279	61.78	ng	-0.01

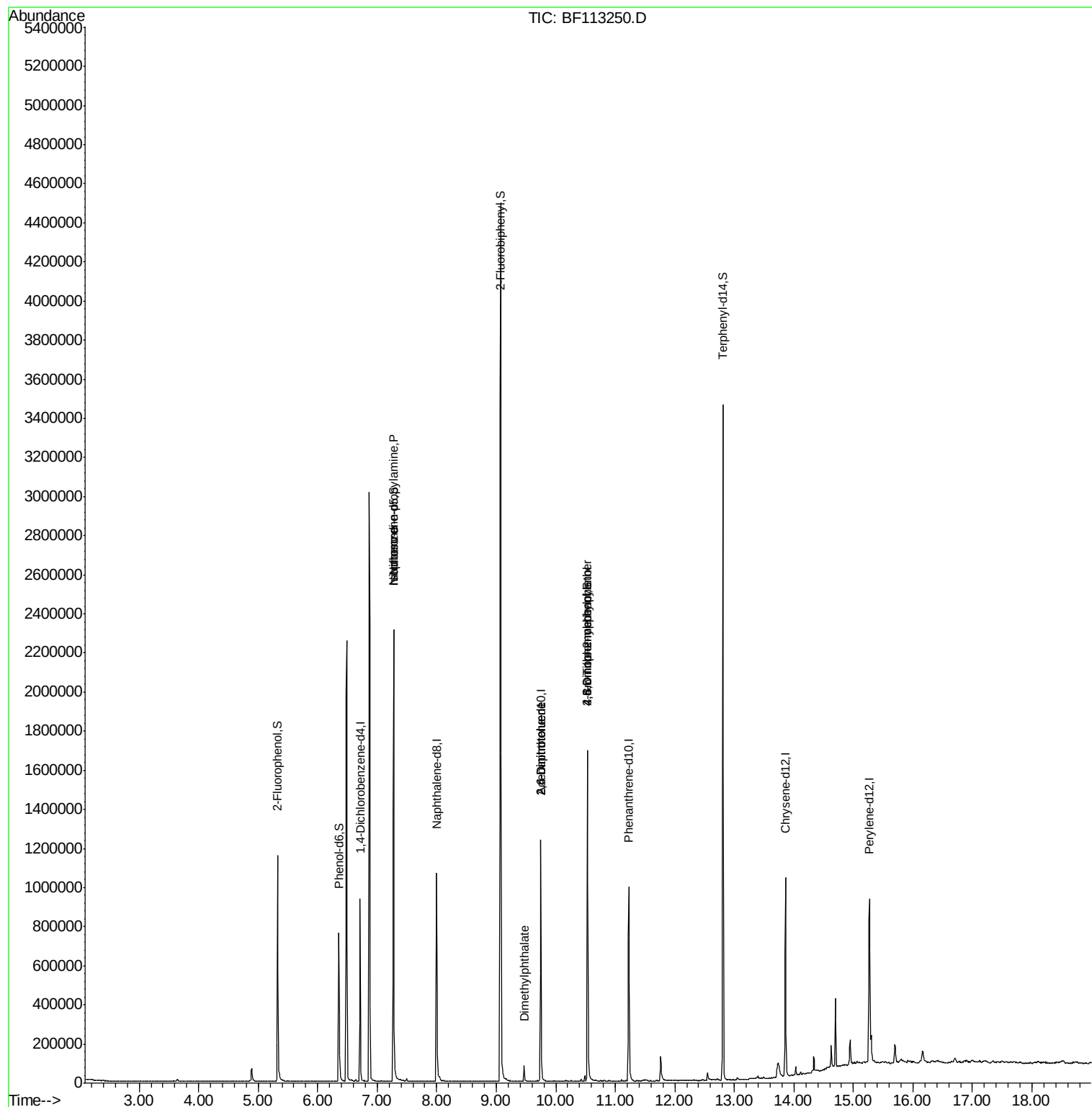
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	106302	13.422	ng	# 77
25) Isophorone	7.27	82	809494	40.035	ng	# 66
50) Dimethylphthalate	9.47	163	39207	2.073	ng	# 98
51) 2,6-Dinitrotoluene	9.75	165	32615	8.282	ng	# 19
57) 2,4-Dinitrotoluene	9.75	165	32615	6.663	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.53	198	180	4.706	ng	# 1
67) 4-Bromophenyl-phenylether	10.53	248	13648	3.049	ng	# 1

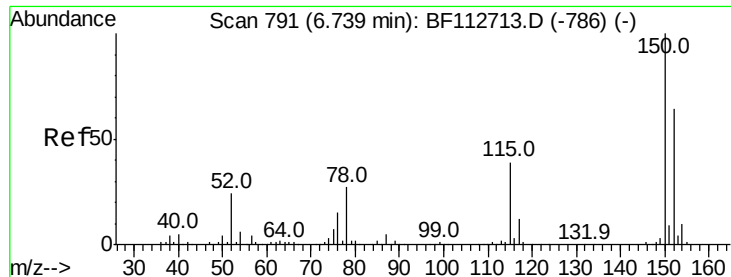
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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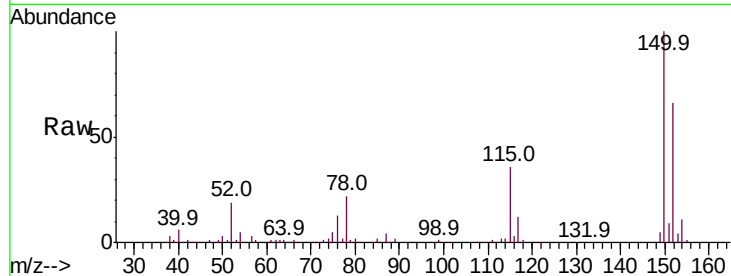


#1

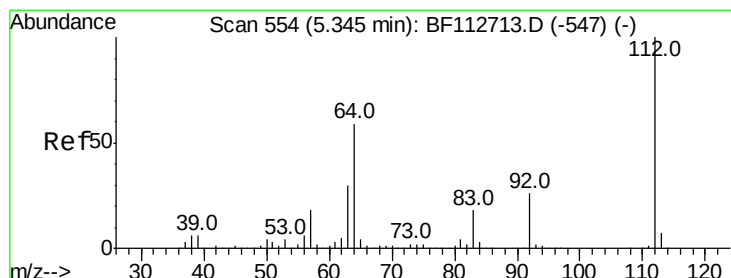
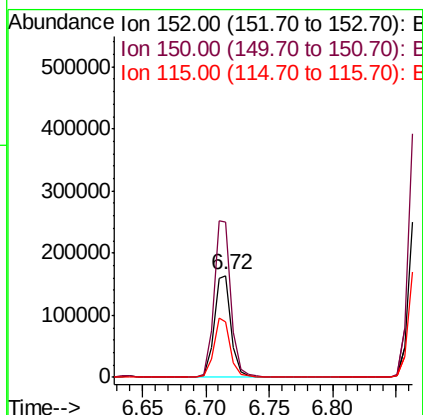
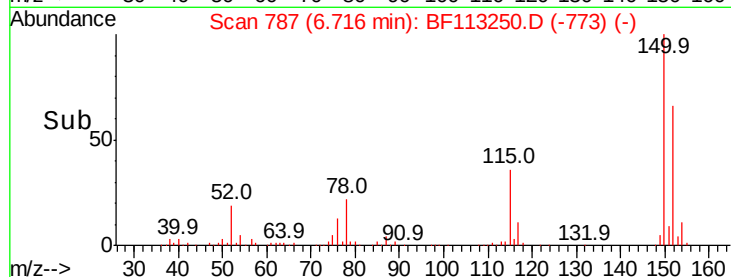
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113250.D
Acq: 22 Mar 2019 22:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154854
Ion Ratio Lower Upper
152 100
150 152.6 124.2 186.2
115 54.5 48.2 72.4



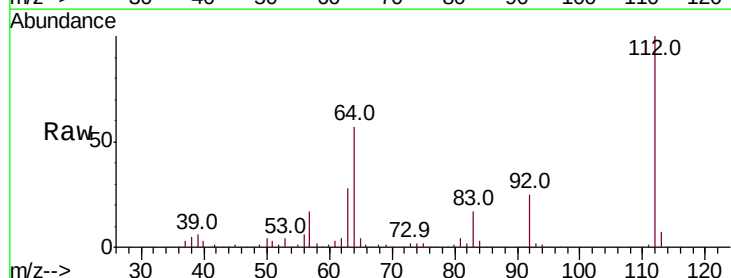
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



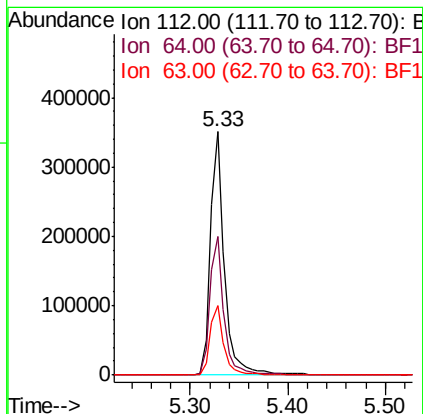
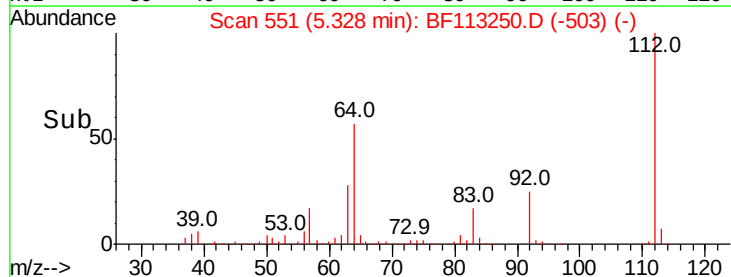
#5

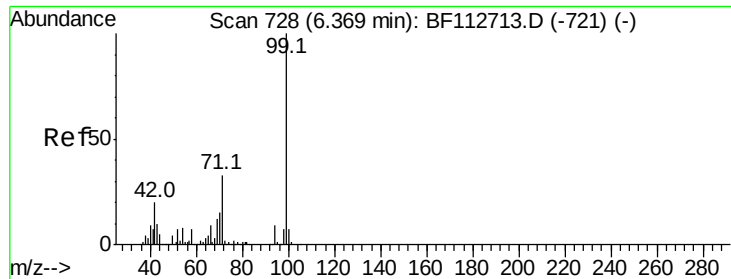
2-Fluorophenol
Concen: 35.099 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113250.D
Acq: 22 Mar 2019 22:35

Tgt Ion:112 Resp: 349413
Ion Ratio Lower Upper
112 100
64 56.7 47.6 71.4
63 28.4 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: 22.999 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

Instrument :

BNA_F

ClientSampleId :

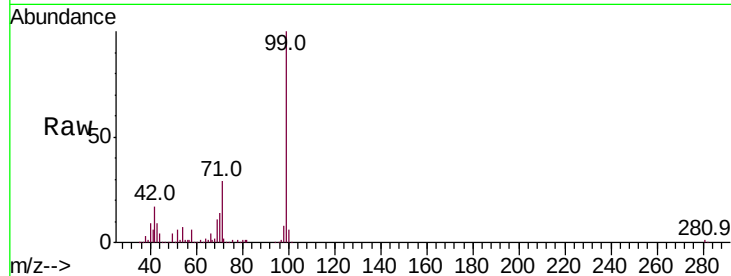
Tot Ion: 99 Resp: 287607

Ion Ratio Lower Upper

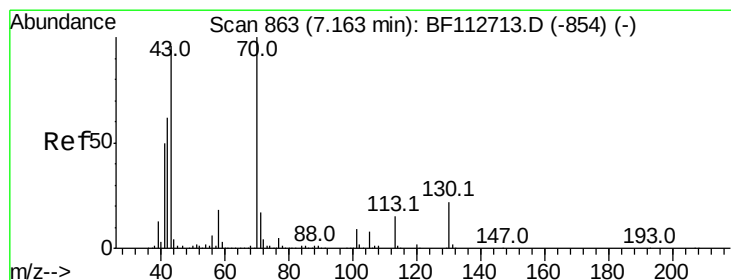
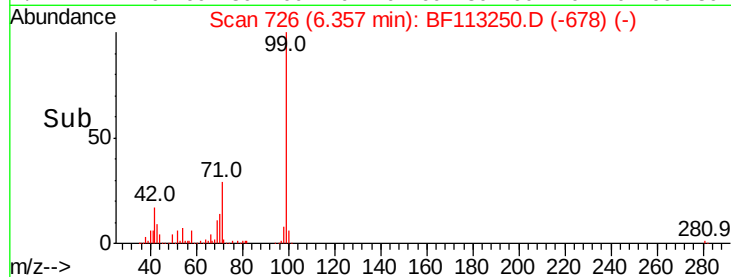
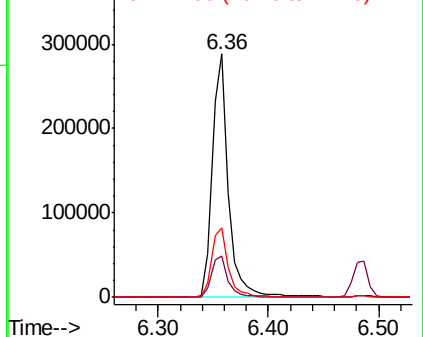
99 100

42 16.9 16.3 24.5

71 28.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.422 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

Tgt Ion: 70 Resp: 106302

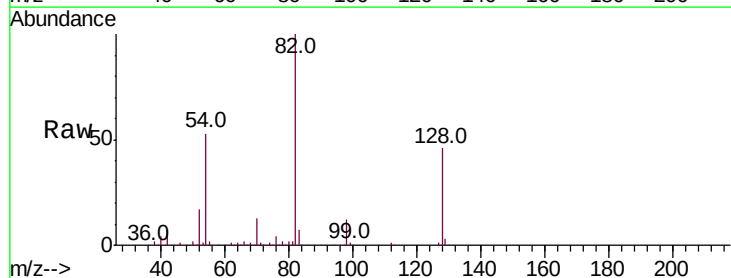
Ion Ratio Lower Upper

70 100

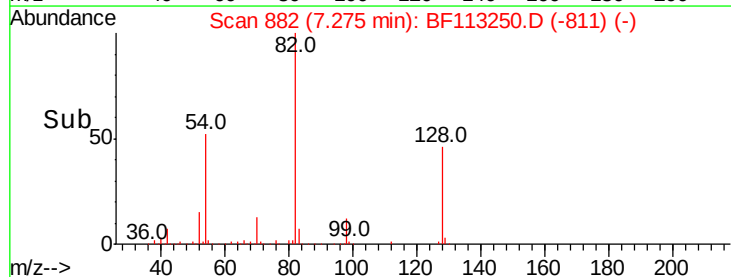
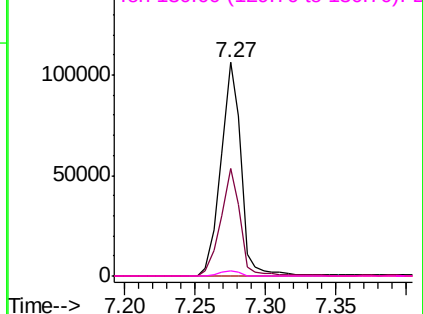
42 50.2 49.9 74.9

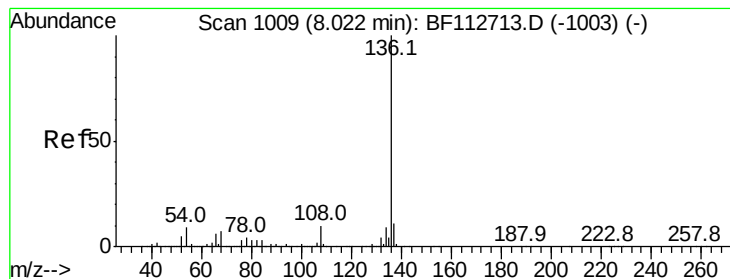
101 0.0 7.4 11.2#

130 2.2 17.4 26.2#



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: 8.00 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 561612

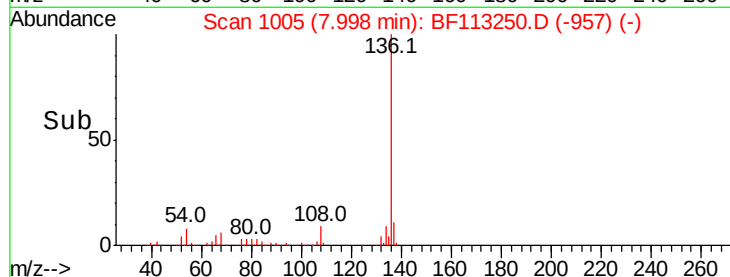
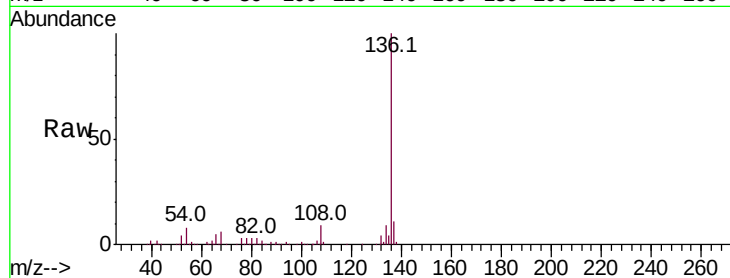
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.8 7.3 10.9

68 5.6 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

800000

600000

400000

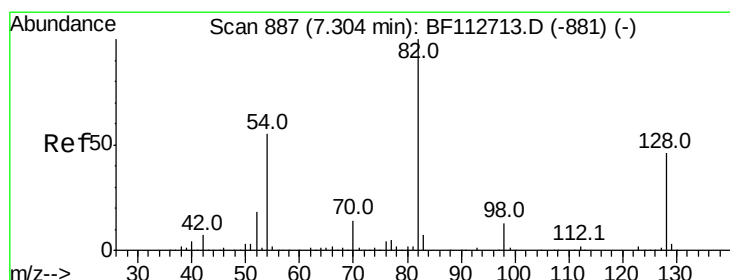
200000

0

8.00

7.90 8.00 8.10 8.20

Time-->



#23

Nitrobenzene-d5

Concen: 87.736 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

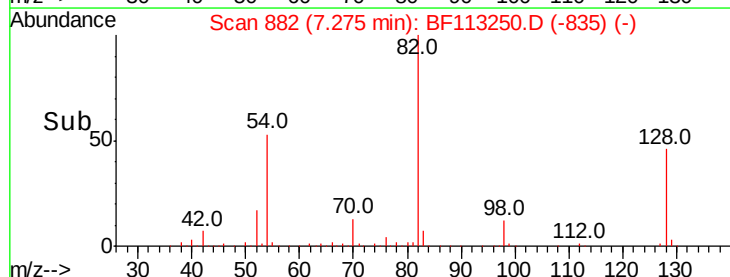
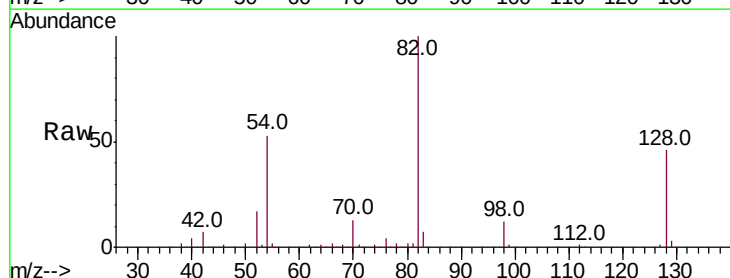
Tgt Ion: 82 Resp: 823455

Ion Ratio Lower Upper

82 100

128 45.8 36.3 54.5

54 53.1 43.7 65.5



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

1000000

800000

600000

400000

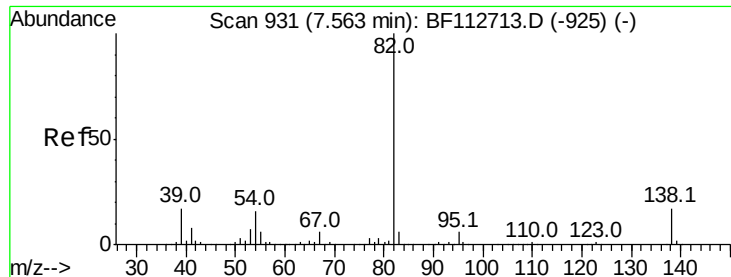
200000

0

7.27

7.20 7.30 7.40 7.50

Time-->



#25

Isophorone

Concen: 40.035 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

Instrument :
BNA_F
ClientSampleId :

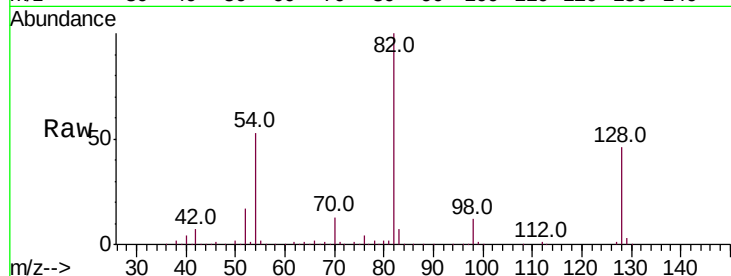
Tot Ion: 82 Resp: 809494

Ion Ratio Lower Upper

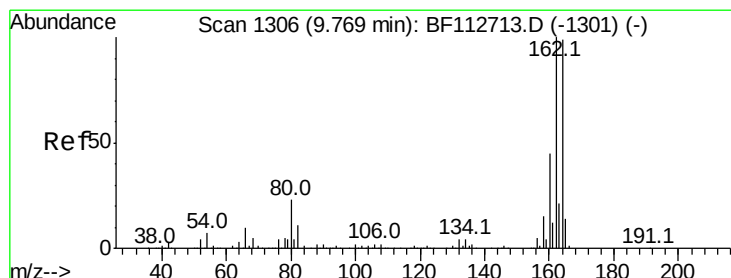
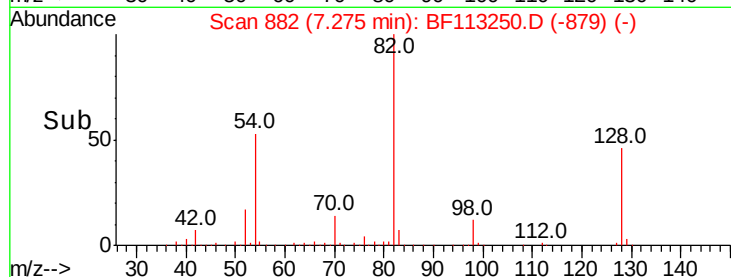
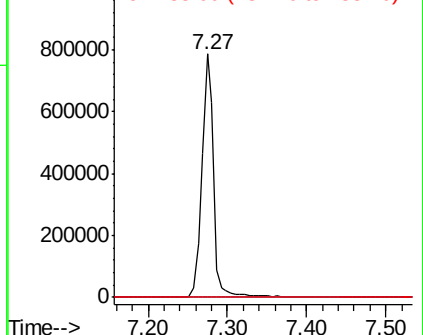
82 100

95 0.0 5.2 7.8#

138 0.0 13.8 20.8#



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: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

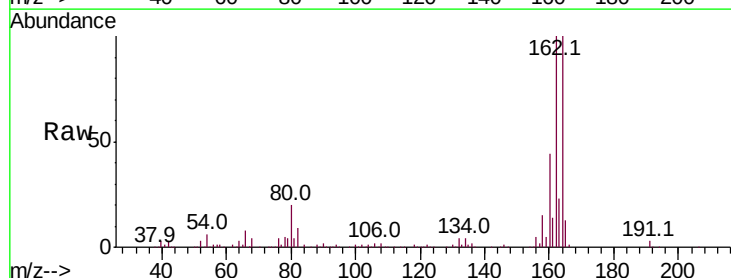
Tgt Ion:164 Resp: 256462

Ion Ratio Lower Upper

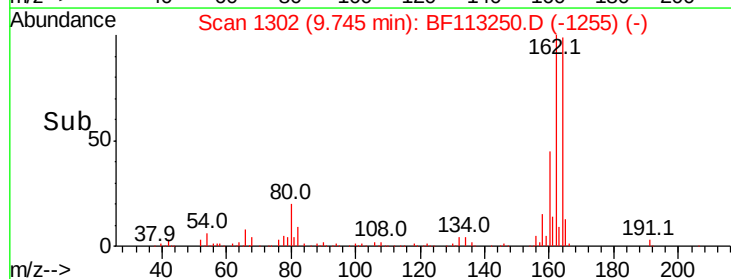
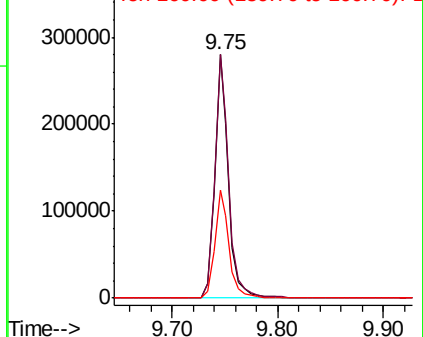
164 100

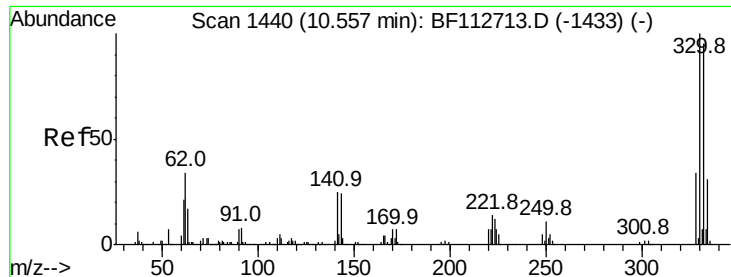
162 99.9 80.6 120.8

160 44.5 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

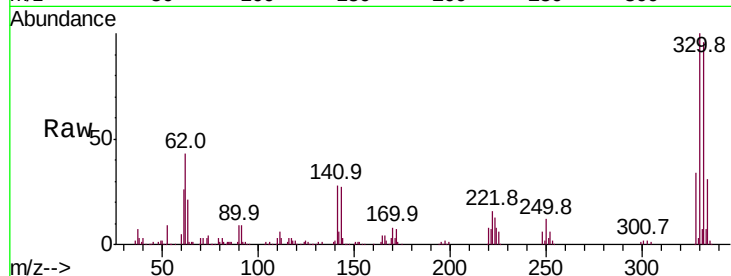




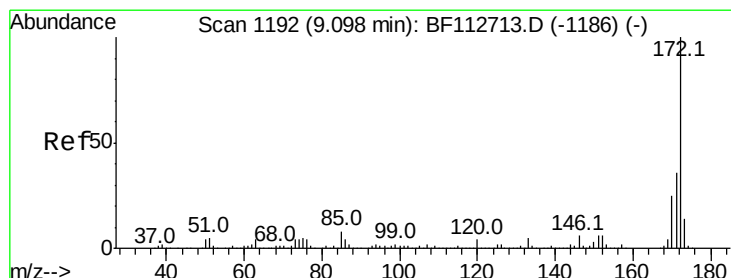
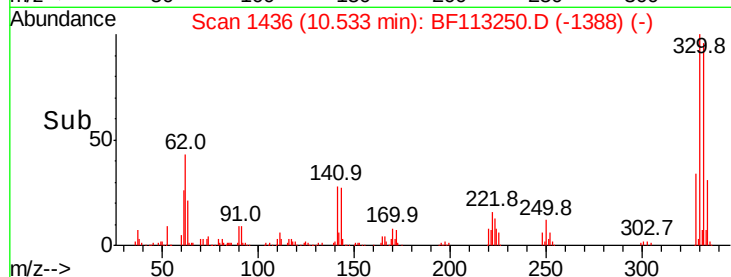
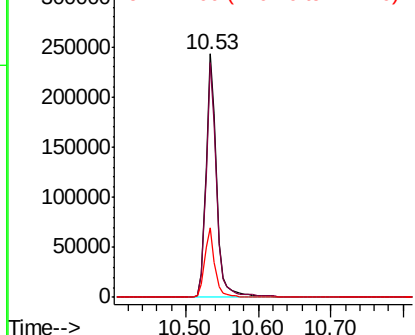
#42
 2,4,6-Tribromophenol
 Concen: 91.030 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF113250.D
 Acq: 22 Mar 2019 22:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 247843
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.2 114.4
 141 27.6 27.0 40.6

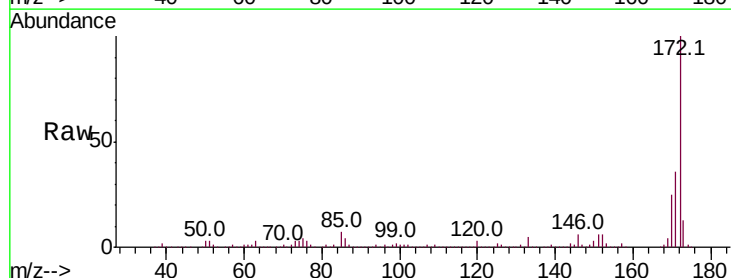


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

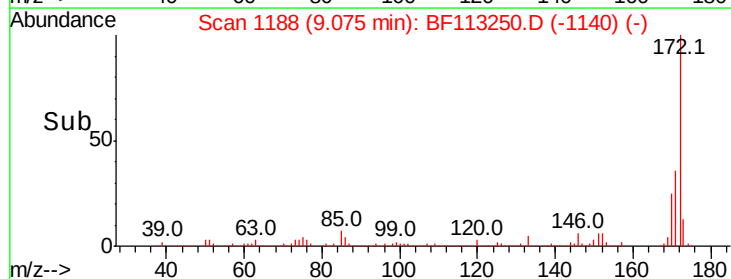
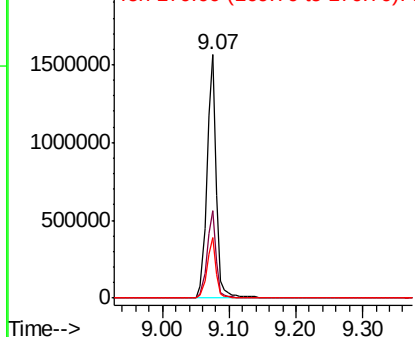


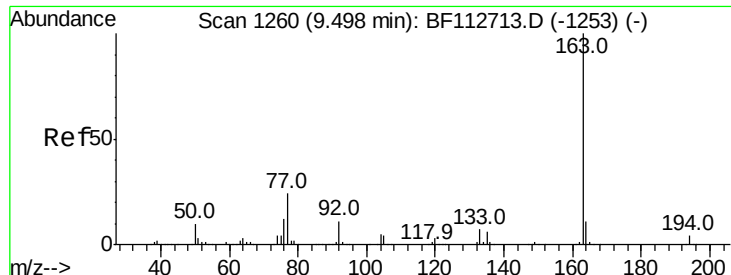
#45
 2-Fluorobiphenyl
 Concen: 102.857 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113250.D
 Acq: 22 Mar 2019 22:35

Tgt Ion:172 Resp: 1504682
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.4
 170 24.7 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





#50

Dimethylphthalate

Concen: 2.073 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.03 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

Instrument :

BNA_F

ClientSampled :

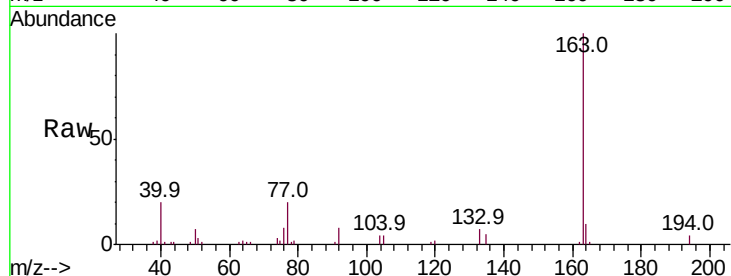
Tot Ion:163 Resp: 39207

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.4#

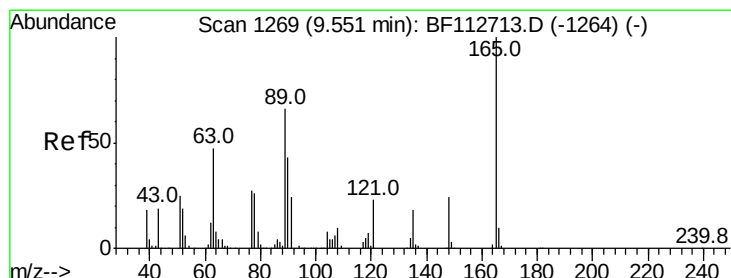
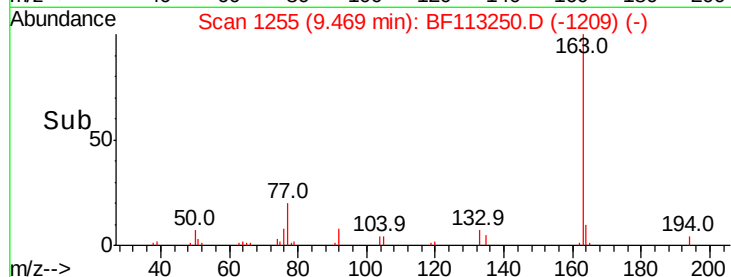
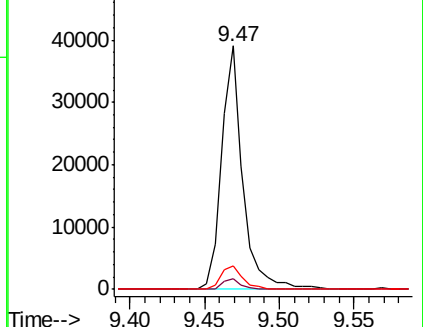
164 9.8 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.282 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.19 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

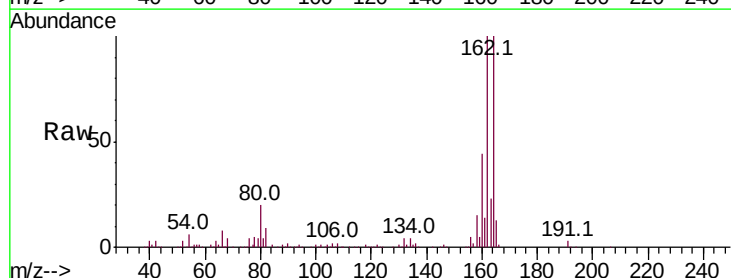
Tgt Ion:165 Resp: 32615

Ion Ratio Lower Upper

165 100

63 1.8 54.1 81.1#

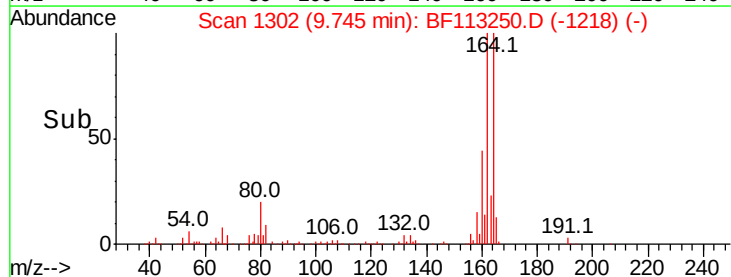
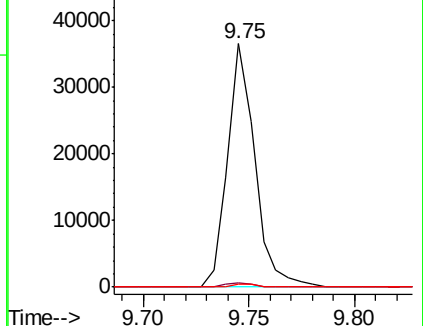
89 1.5 52.8 79.2#

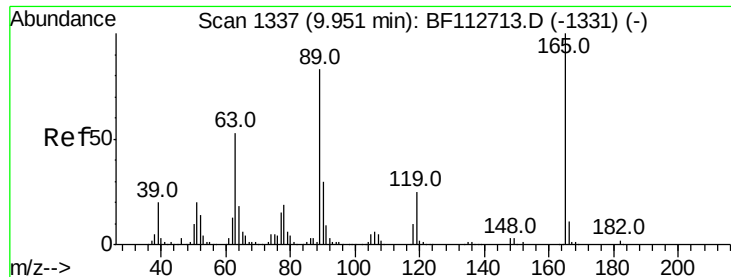


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

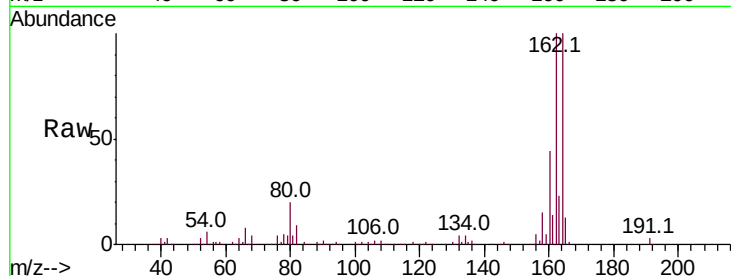




#57
2,4-Dinitrotoluene
Concen: 6.663 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF113250.D
Acq: 22 Mar 2019 22:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.2	63.2#
89	1.5	66.2	99.4#
182	0.0	1.8	2.6#

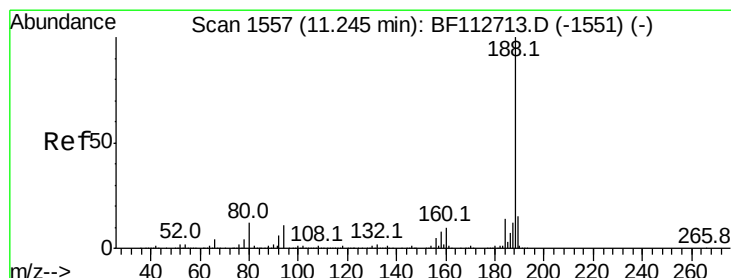
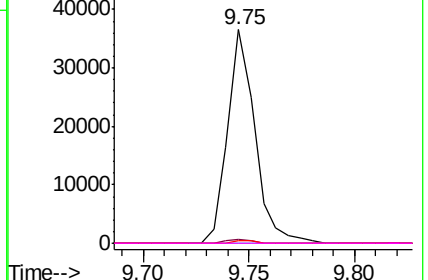
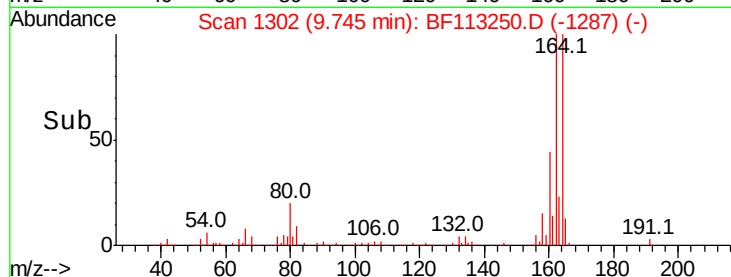


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

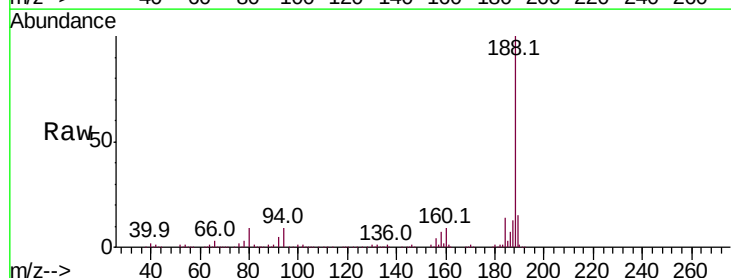
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113250.D
Acq: 22 Mar 2019 22:35

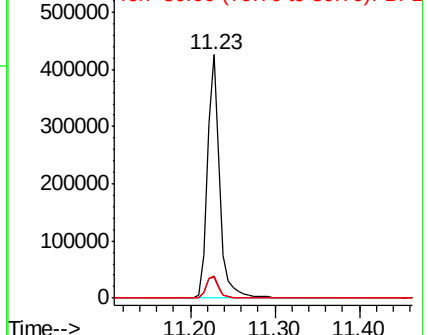
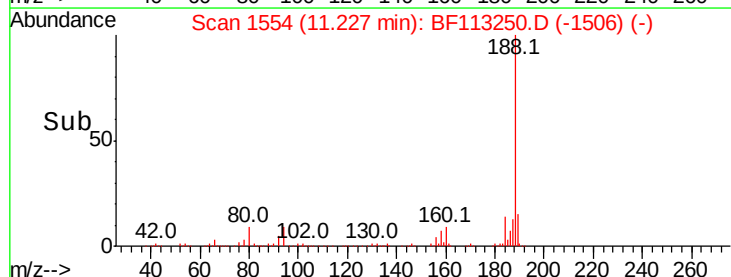
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	9.3	9.2	13.8

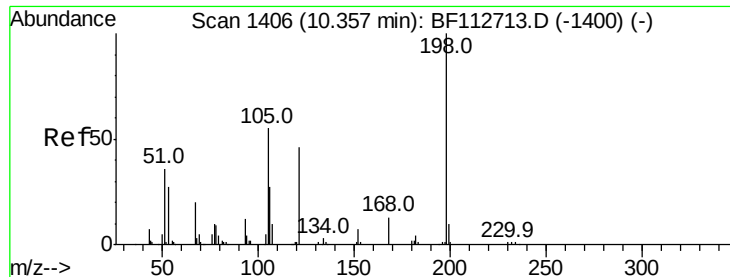


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.706 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.17 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

Instrument :

BNA_F

ClientSampled :

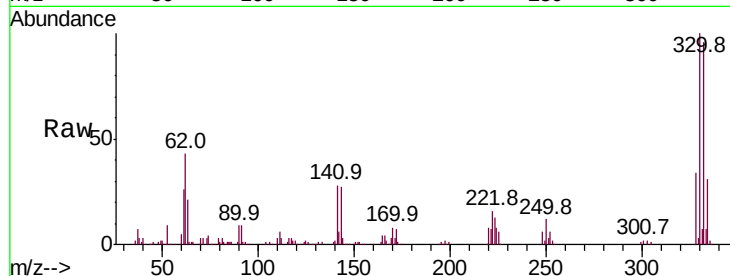
Tot Ion:198 Resp: 180

Ion Ratio Lower Upper

198 100

51 171.8 43.8 83.8#

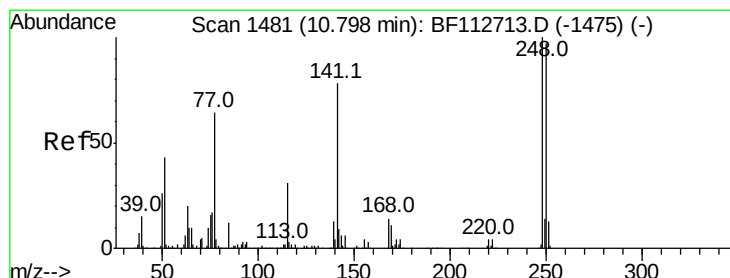
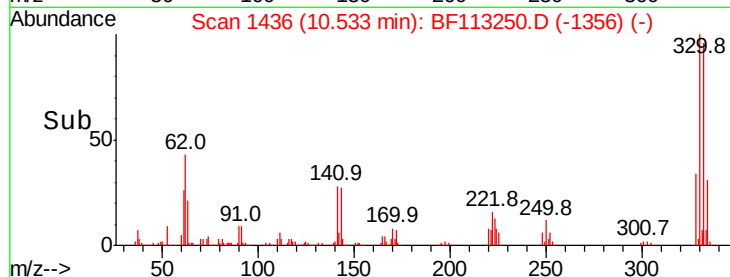
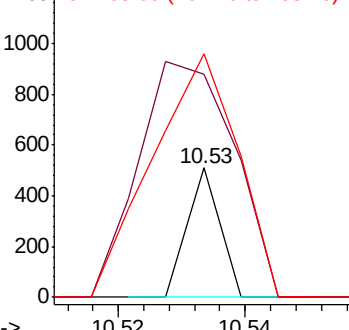
105 187.9 36.5 76.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.049 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.26 min

Lab File: BF113250.D

Acq: 22 Mar 2019 22:35

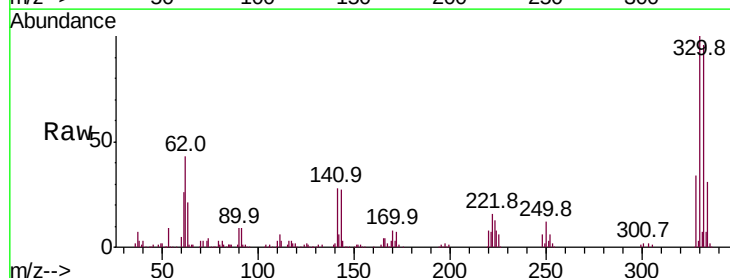
Tgt Ion:248 Resp: 13648

Ion Ratio Lower Upper

248 100

250 198.0 77.5 116.3#

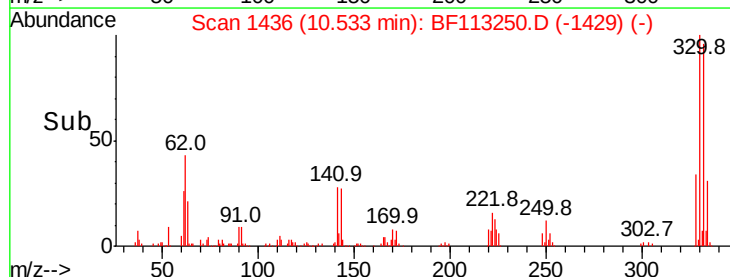
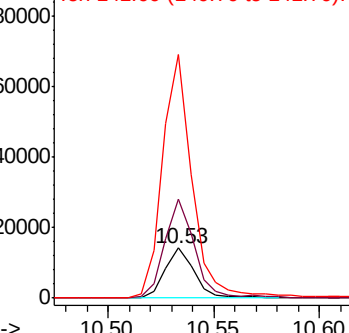
141 487.7 62.4 93.6#

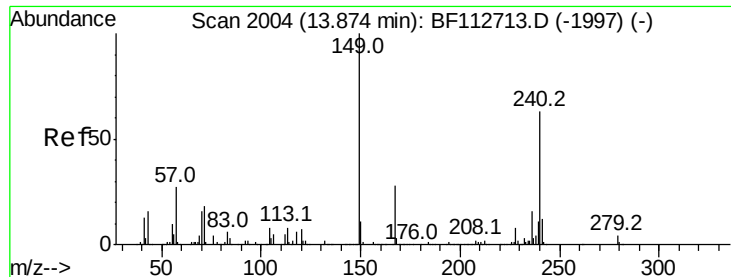


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

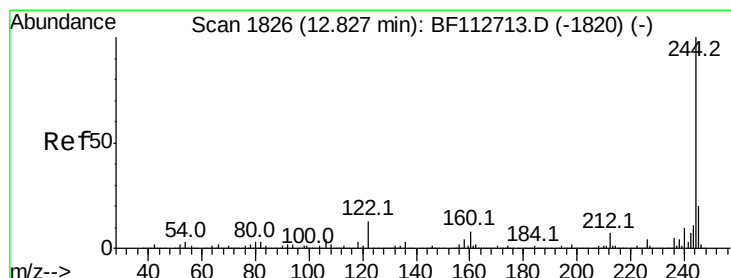
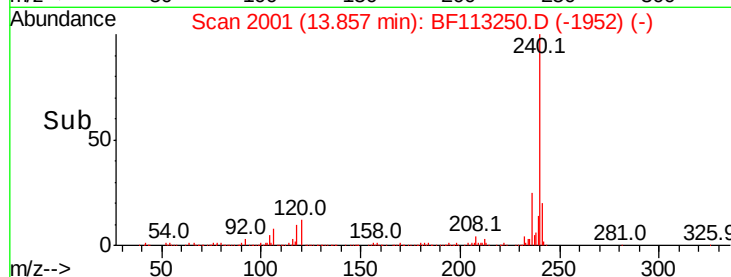
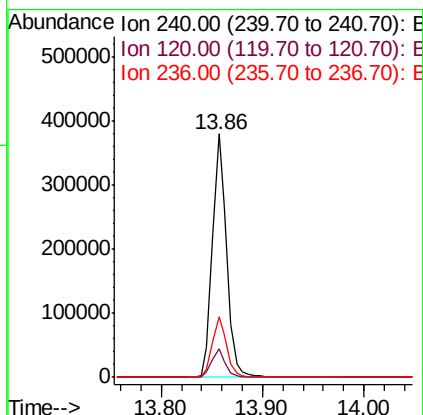
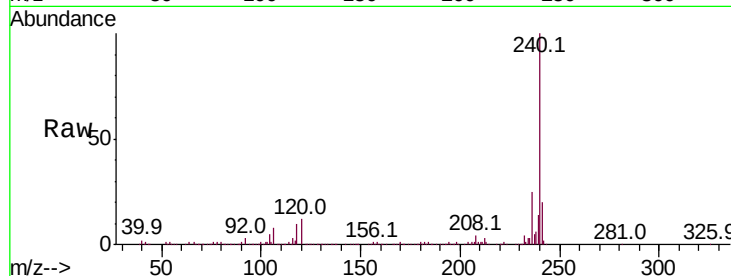




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF113250.D
 Acq: 22 Mar 2019 22:35

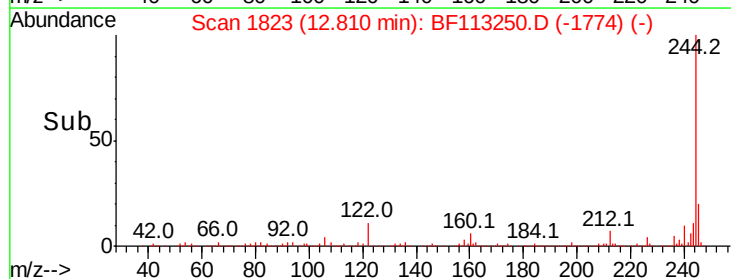
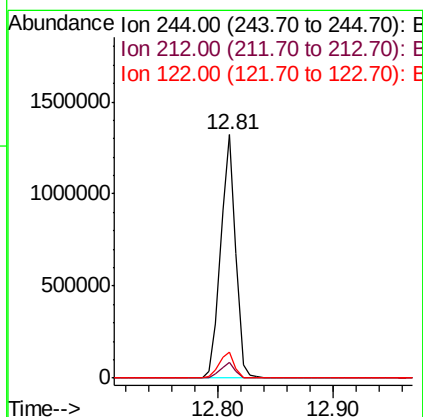
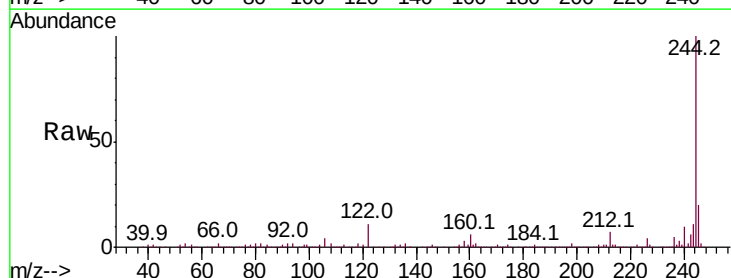
Instrument :
 BNA_F
 ClientSampled :

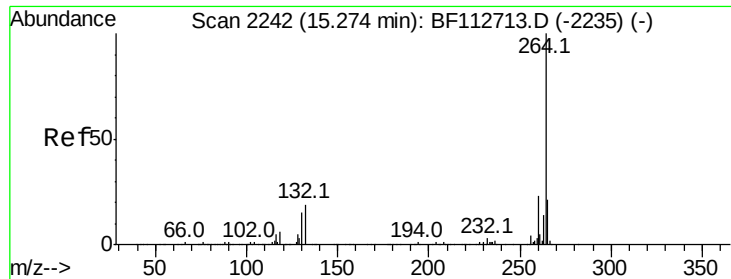
Tot Ion:240 Resp: 371584
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.9 13.3
 236 25.1 20.7 31.1



#79
 Terphenyl-d14
 Concen: 61.782 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113250.D
 Acq: 22 Mar 2019 22:35

Tgt Ion:244 Resp: 1184279
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.8 10.5 15.7

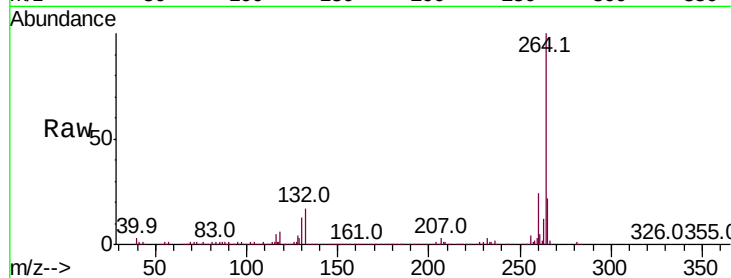




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113250.D
Acq: 22 Mar 2019 22:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.5	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

