

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105043.D
 Acq On : 2 May 2018 20:43
 Operator : JU/SJ
 Sample : PB108660BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB108660BL

Quant Time: May 03 04:26:44 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	80837	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	335871	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	152758	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	263798	20.00	ng	0.00
75) Chrysene-d12	14.02	240	191860	20.00	ng	-0.01
86) Perylene-d12	15.58	264	152391	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	643664	121.75	ng	0.00
7) Phenol-d6	6.43	99	764692	117.72	ng	0.00
23) Nitrobenzene-d5	7.36	82	462754	89.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	180920	114.17	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	899641	93.04	ng	0.00
78) Terphenyl-d14	12.92	244	787910	93.63	ng	0.00

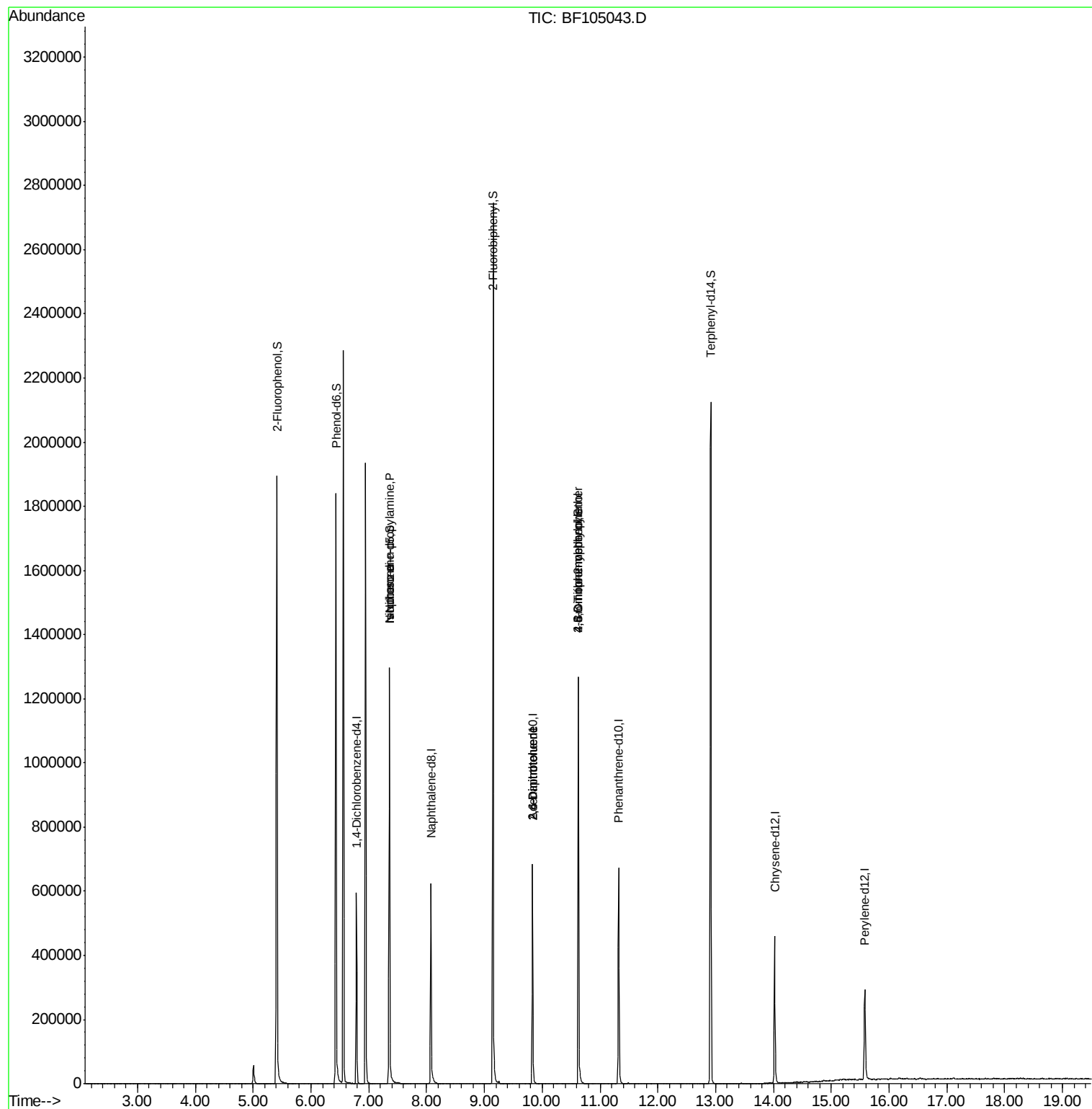
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	846	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	59202	13.947	ng	# 72
25) Isophorone	7.36	82	456757	41.993	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	19523	8.759	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	19523	6.677	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.62	198	313	7.553	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	11156	3.976	ng	# 1
76) Benzydine	12.92	184	10427	Below Cal	#	92

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

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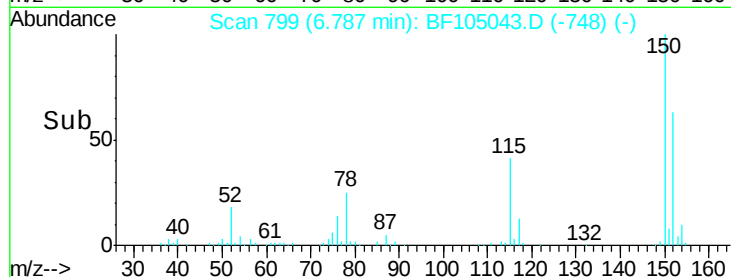
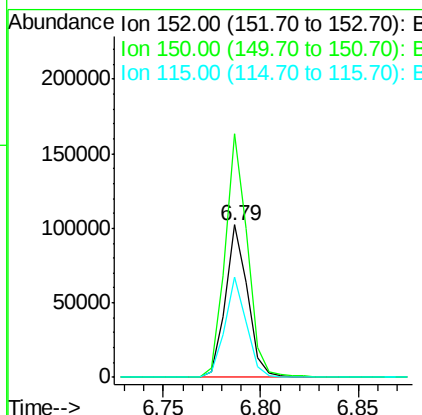
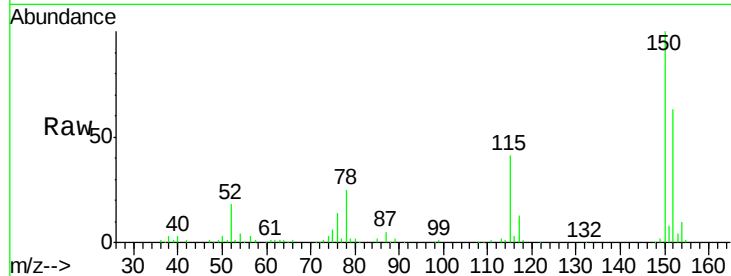


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF105043.D
Acq: 2 May 2018 20:43

Instrument :
BNA_F
ClientSampleId :
PB108660BL

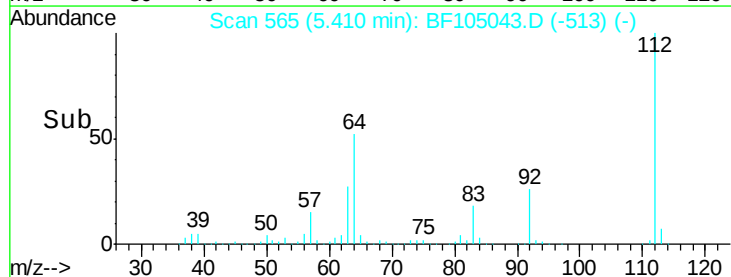
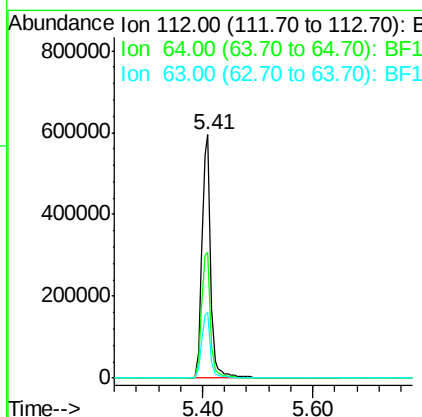
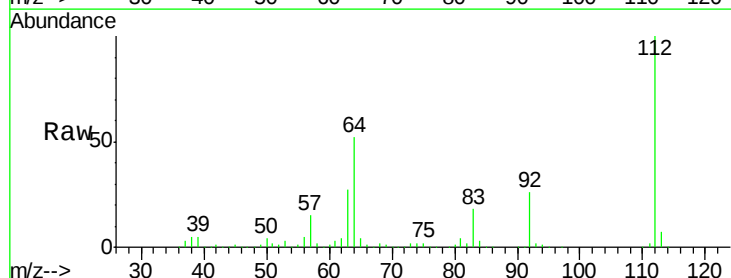
Tgt Ion:152 Resp: 80837
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 66.0 50.1 75.1



#5

2-Fluorophenol
Concen: 121.751 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF105043.D
Acq: 2 May 2018 20:43

Tgt Ion:112 Resp: 643664
Ion Ratio Lower Upper
112 100
64 52.0 47.9 71.9
63 27.1 23.7 35.5





#7

Phenol-d6

Concen: 117.723 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105043.D

Acq: 2 May 2018 20:43

Instrument :

BNA_F

ClientSampleId :

PB108660BL

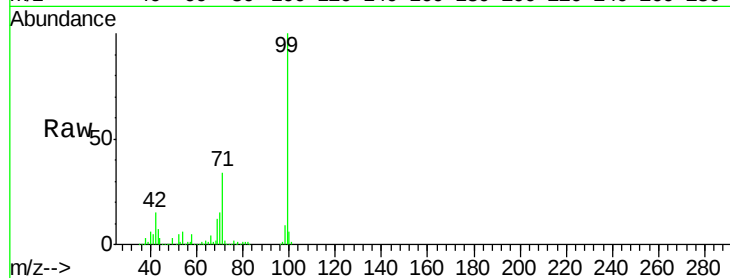
Tgt Ion: 99 Resp: 764692

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 34.0 25.4 38.0



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

800000

600000

400000

200000

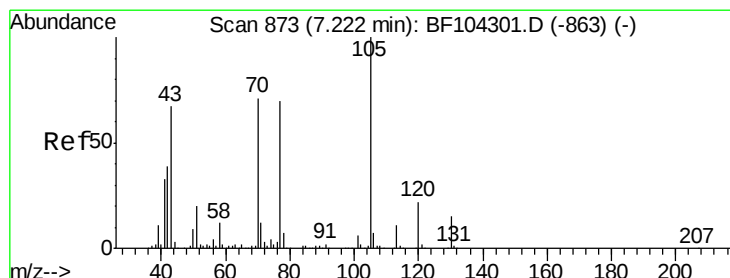
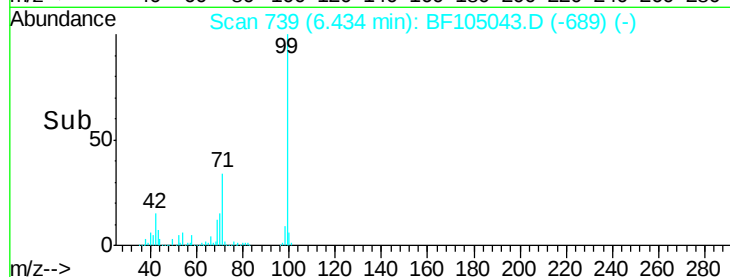
0

6.43

6.40

6.50

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.947 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105043.D

Acq: 2 May 2018 20:43

Tgt Ion: 70 Resp: 59202

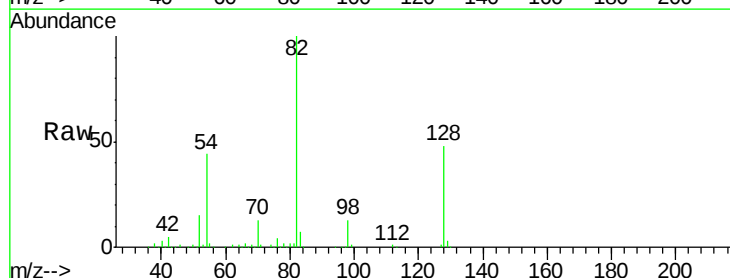
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



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

80000

60000

40000

20000

0

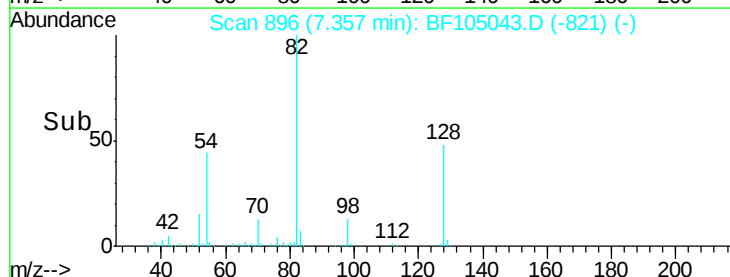
7.36

7.30

7.40

7.45

Time-->

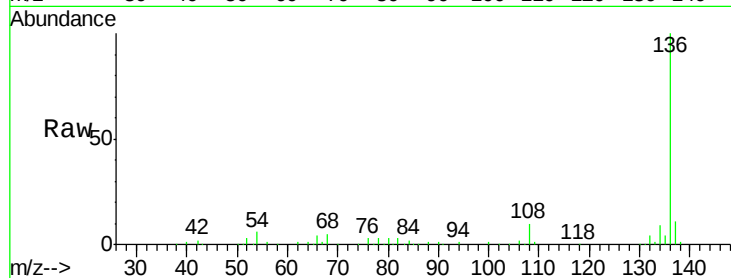




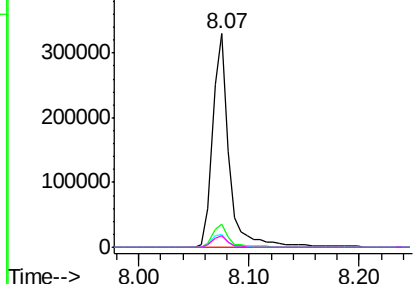
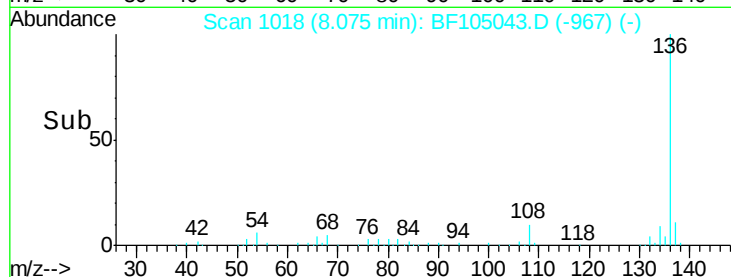
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF105043.D
Acq: 2 May 2018 20:43

Instrument :
BNA_F
ClientSampleId :
PB108660BL

Tgt Ion:	136	Resp:	335871
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.1	6.6	9.8#
68	5.2	5.0	7.4

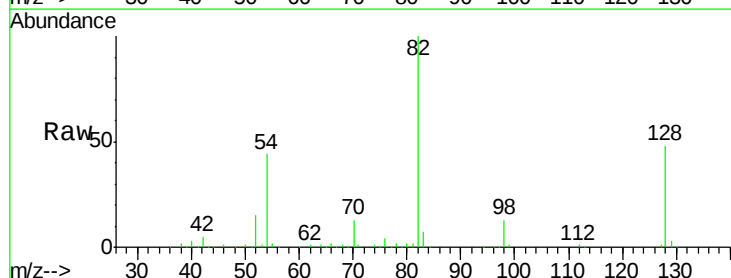


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

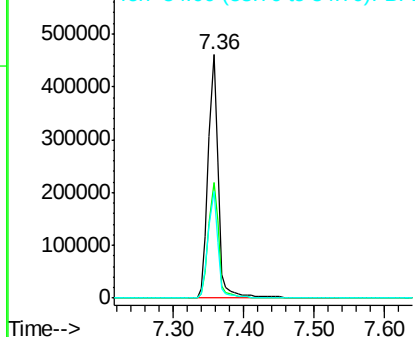
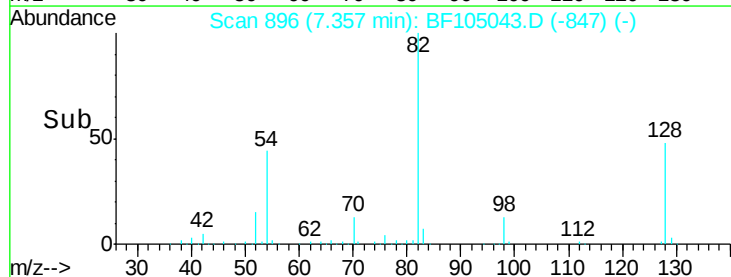


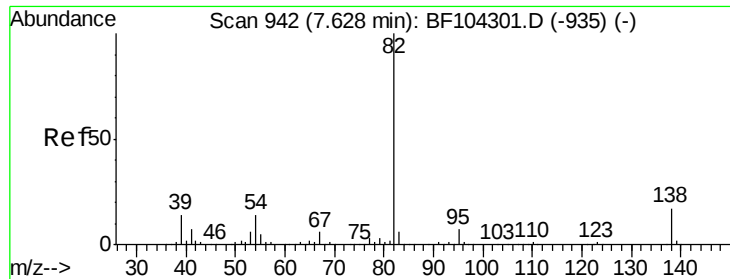
#23
Nitrobenzene-d5
Concen: 89.966 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105043.D
Acq: 2 May 2018 20:43

Tgt Ion:	82	Resp:	462754
Ion Ratio	Lower	Upper	
82	100		
128	47.5	36.1	54.1
54	44.0	41.4	62.2



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: 41.993 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105043.D

Acq: 2 May 2018 20:43

Instrument :

BNA_F

ClientSampleId :

PB108660BL

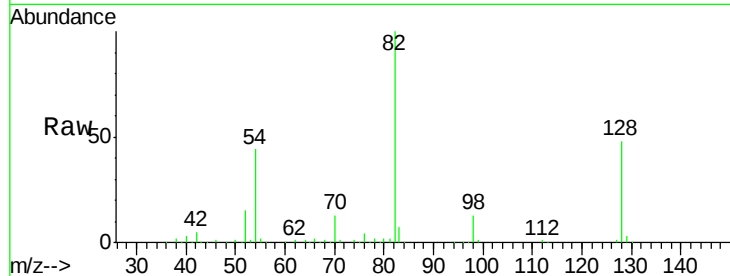
Tgt Ion: 82 Resp: 456757

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

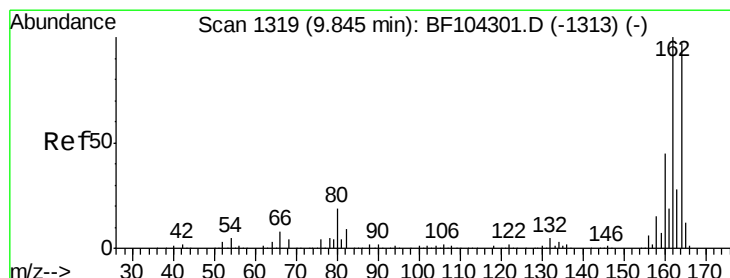
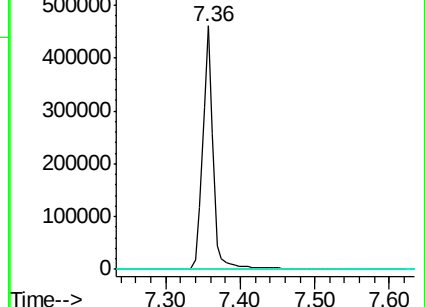
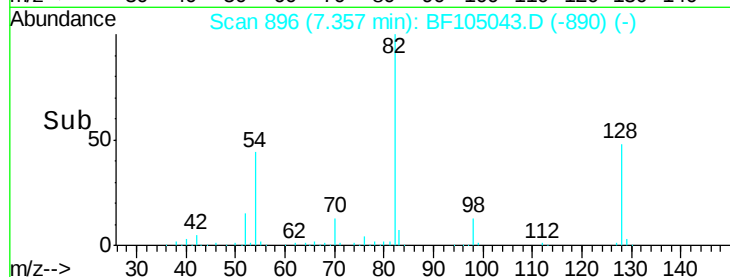
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105043.D

Acq: 2 May 2018 20:43

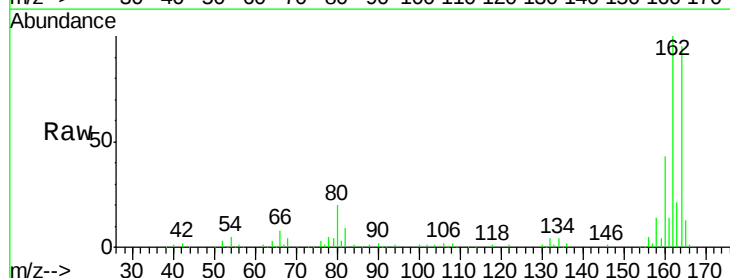
Tgt Ion: 164 Resp: 152758

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

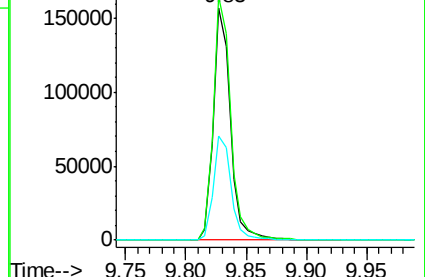
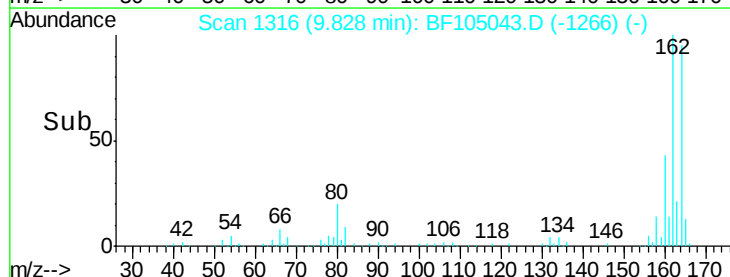
160 44.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

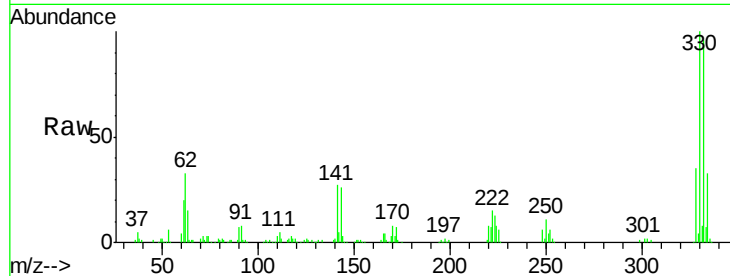




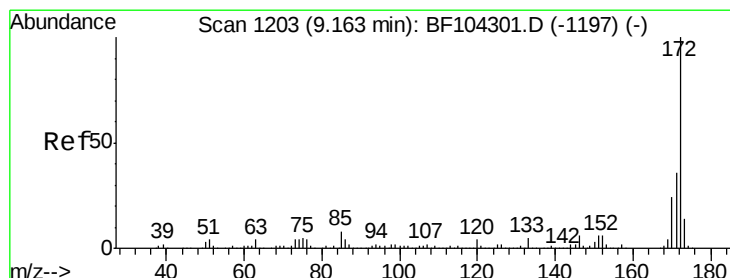
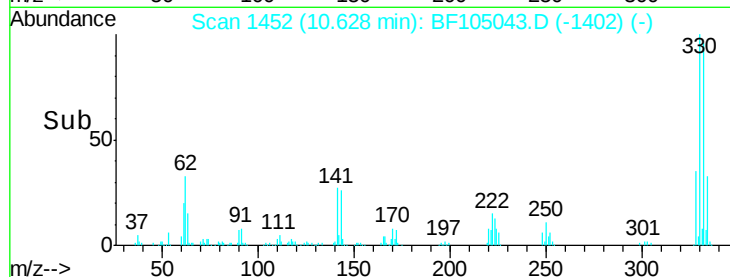
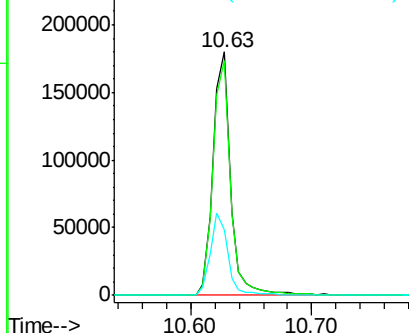
#41
 2,4,6-Tribromophenol
 Concen: 114.174 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

Instrument :
 BNA_F
 ClientSampleId :
 PB108660BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	33.9	29.9	44.9

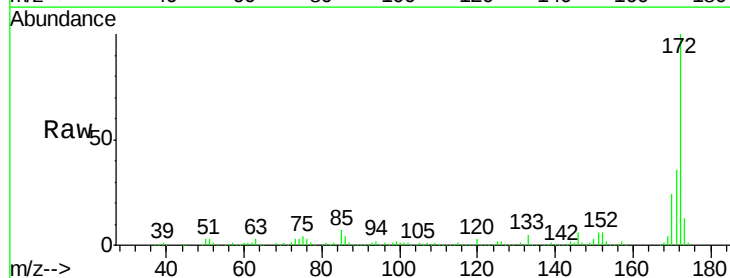


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

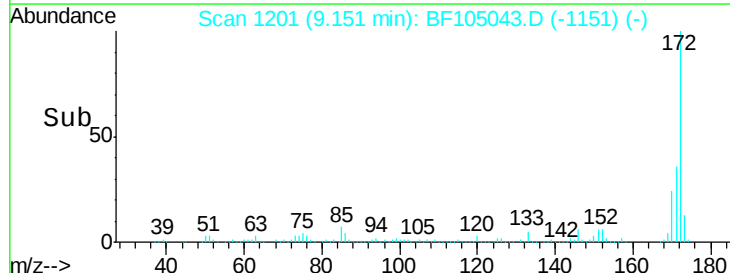
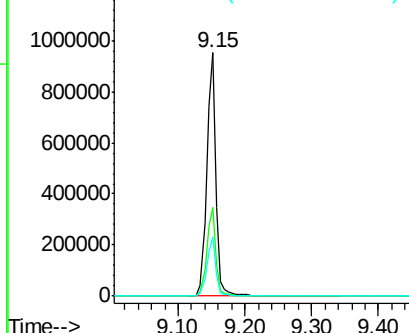


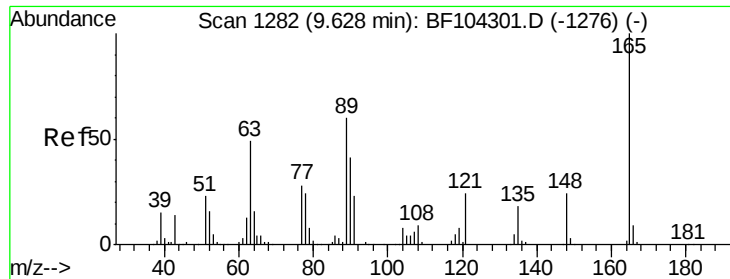
#44
 2-Fluorobiphenyl
 Concen: 93.037 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.1	19.6	29.4



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

2,6-Dinitrotoluene

Concen: 8.759 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF105043.D

Acq: 2 May 2018 20:43

Instrument :

BNA_F

ClientSampleId :

PB108660BL

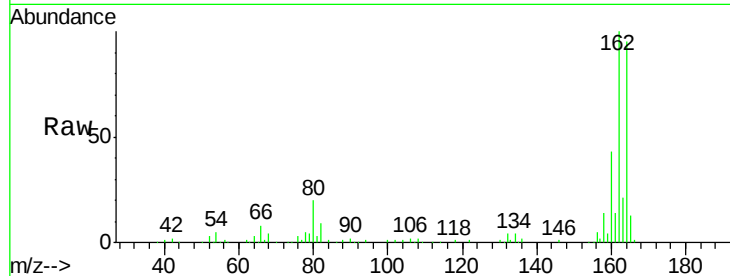
Tgt Ion:165 Resp: 19523

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

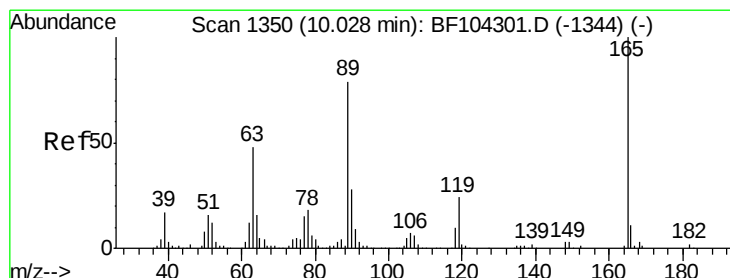
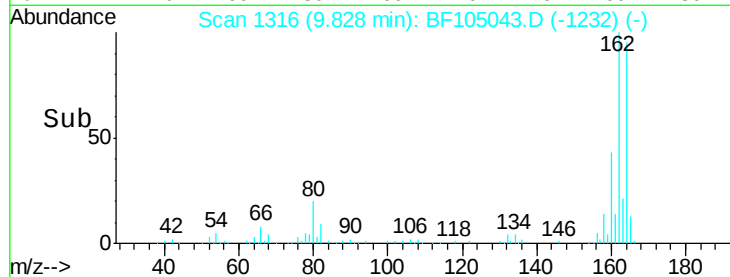
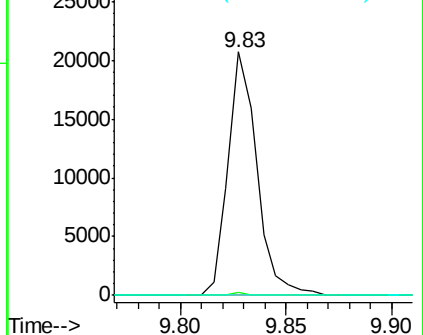
89 0.0 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.677 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF105043.D

Acq: 2 May 2018 20:43

Tgt Ion:165 Resp: 19523

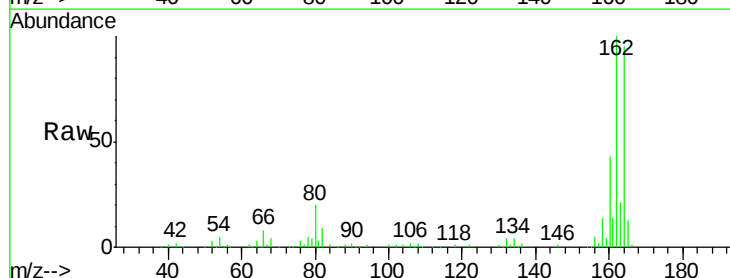
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

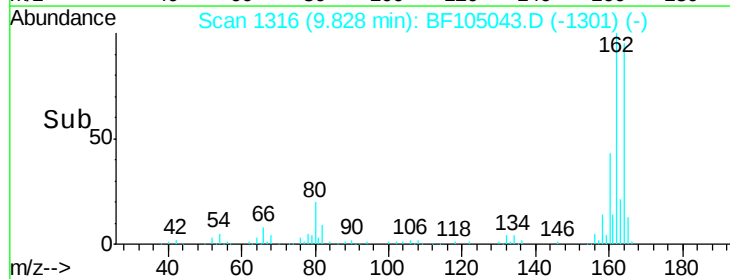
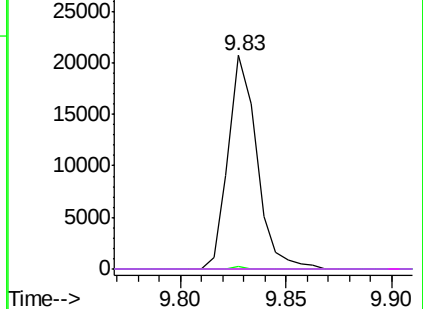


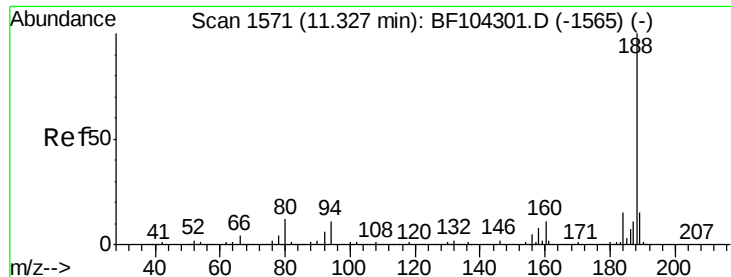
Abundance Ion 165.00 (164.70 to 165.70): E

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

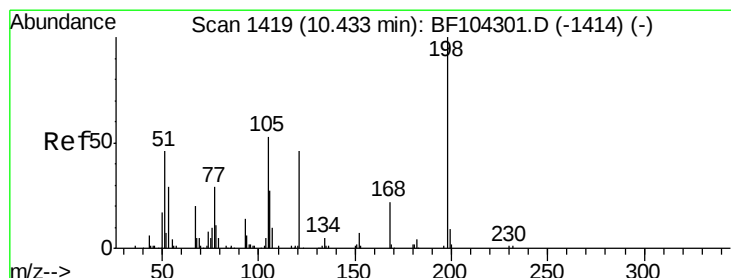
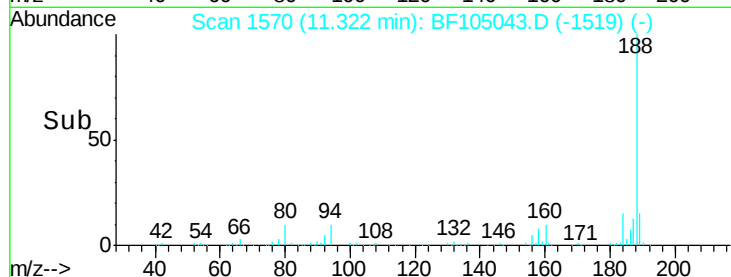
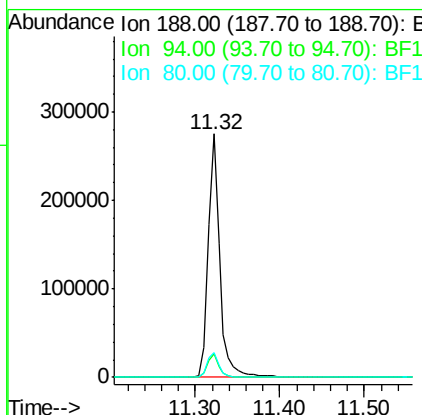
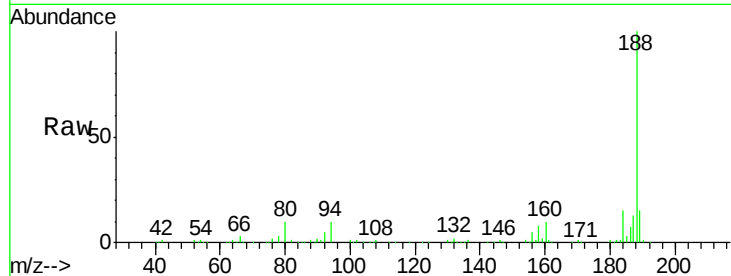




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

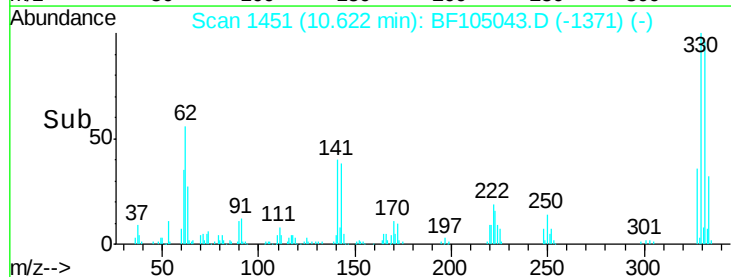
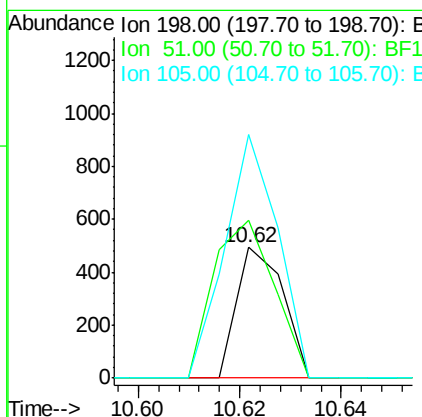
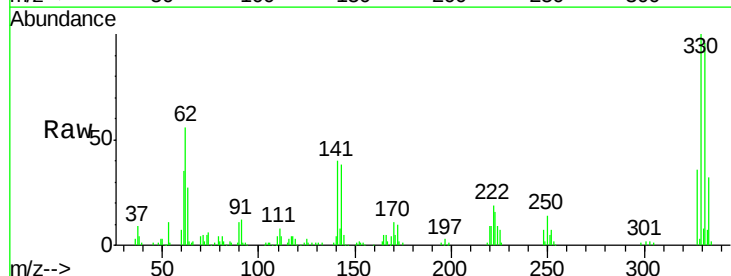
Instrument :
 BNA_F
 ClientSampleId :
 PB108660BL

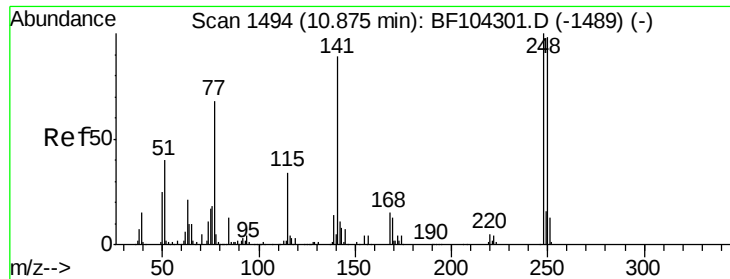
Tgt Ion:188 Resp: 263798
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 10.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.553 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

Tgt Ion:198 Resp: 313
 Ion Ratio Lower Upper
 198 100
 51 121.1 37.7 77.7#
 105 186.6 36.3 76.3#

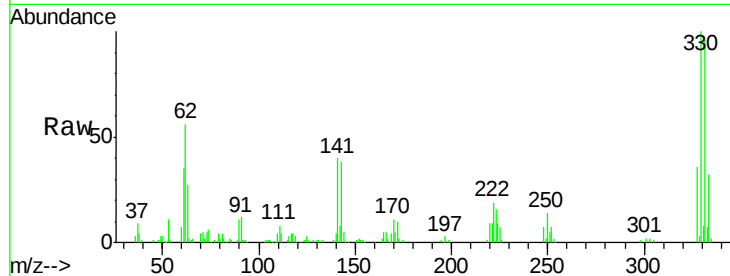




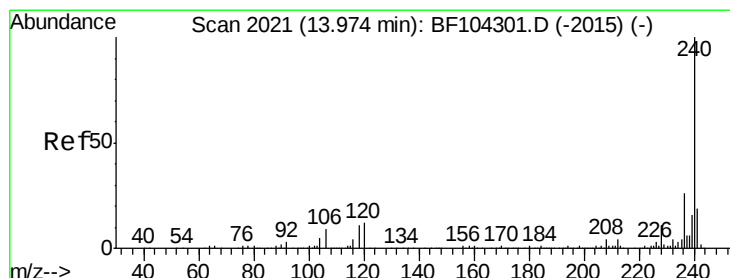
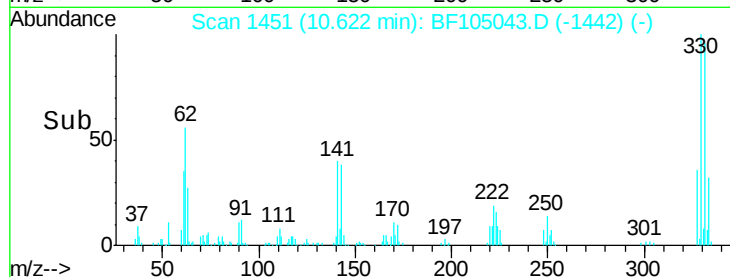
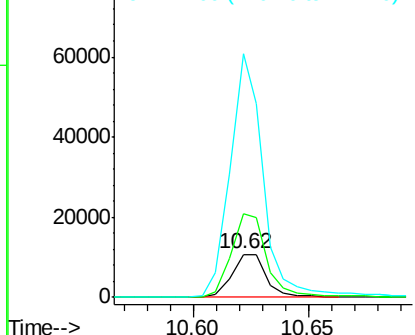
#66
 4-Bromophenyl-phenylether
 Concen: 3.976 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

Instrument :
 BNA_F
 ClientSampleId :
 PB108660BL

Tgt Ion:248 Resp: 11156
 Ion Ratio Lower Upper
 248 100
 250 194.0 76.9 115.3#
 141 562.3 74.4 111.6#

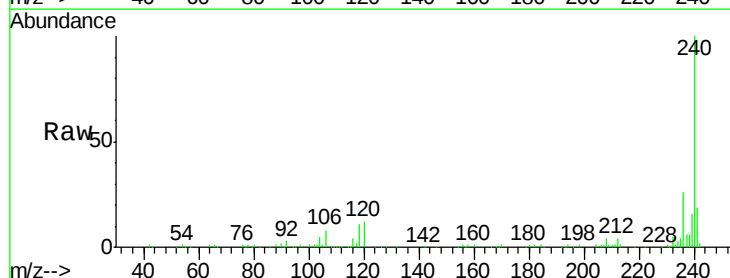


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

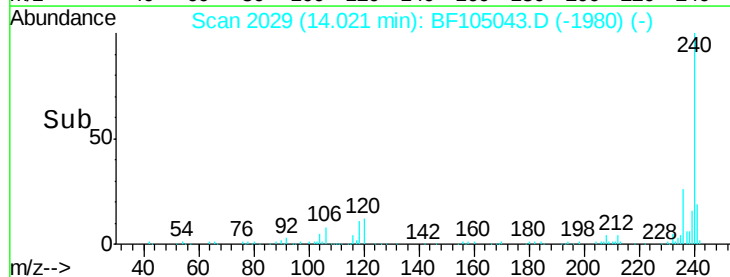
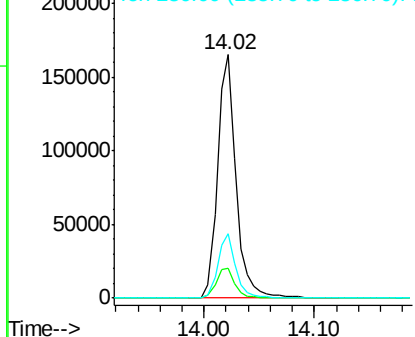


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

Tgt Ion:240 Resp: 191860
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.5 14.3
 236 26.2 20.7 31.1



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

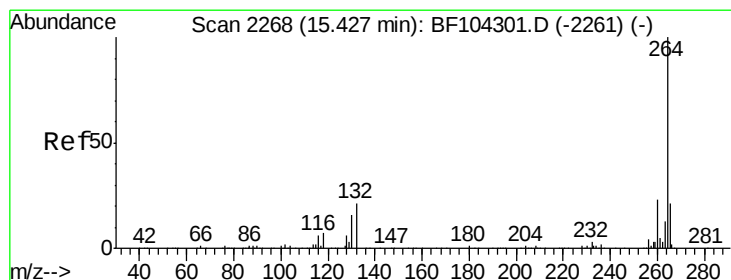
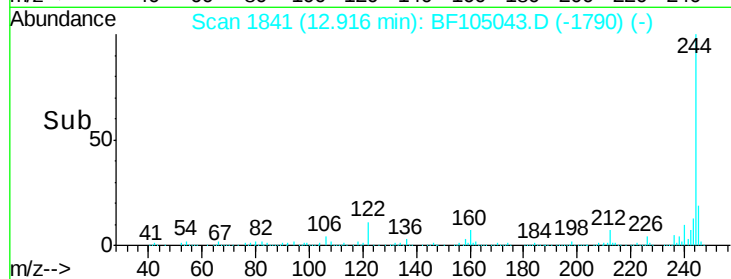
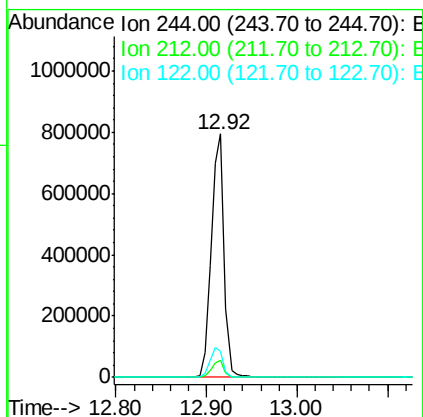
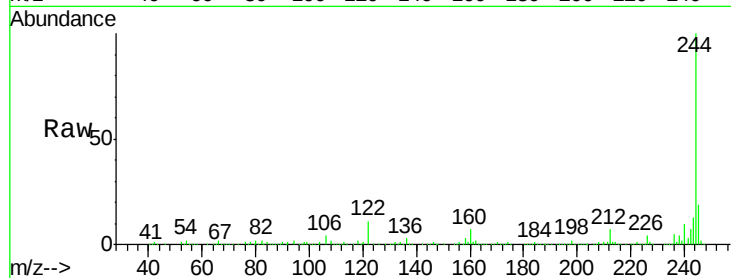




#78
 Terphenyl-d14
 Concen: 93.626 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

Instrument :
 BNA_F
 ClientSampleId :
 PB108660BL

Tgt Ion:244 Resp: 787910
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.7 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. -0.01 min
 Lab File: BF105043.D
 Acq: 2 May 2018 20:43

Tgt Ion:264 Resp: 152391
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 20.8 17.5 26.3

