

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104531.D
 Acq On : 16 Apr 2018 13:52
 Operator : JU/SJ
 Sample : PB108229BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB108229BL

Quant Time: Apr 16 14:53:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	154808	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	635138	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	279048	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	422660	20.00	ng	0.00
75) Chrysene-d12	13.99	240	311691	20.00	ng	0.00
86) Perylene-d12	15.46	264	259716	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1033871	102.12	ng	0.02
7) Phenol-d6	6.45	99	1382841	111.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	866132	89.05	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	278609	96.25	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1451164	82.15	ng	0.00
78) Terphenyl-d14	12.93	244	1058413	77.42	ng	0.00

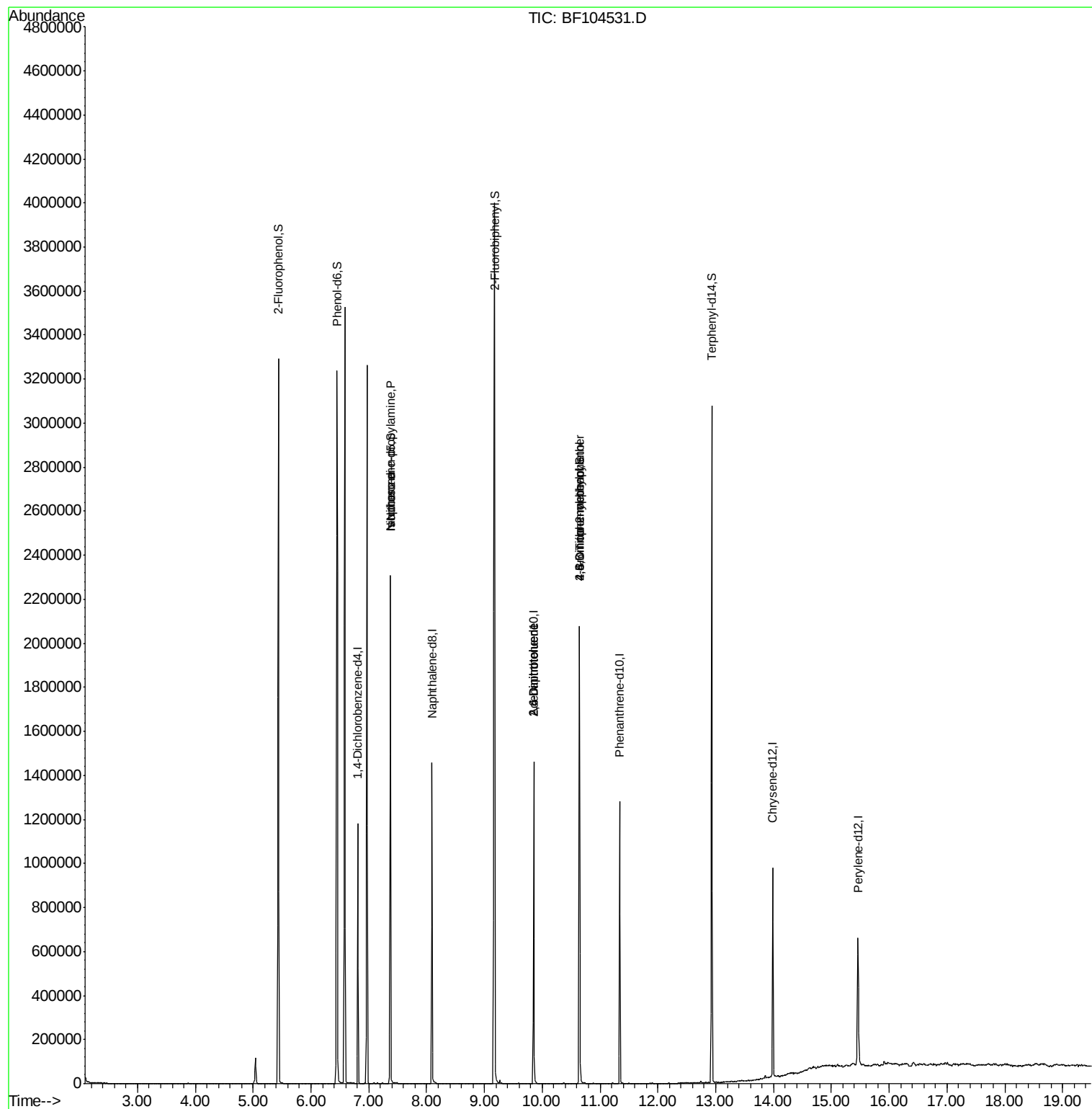
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1894	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	113777	13.997	ng	# 72
25) Isophorone	7.37	82	863784	41.995	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	35365	8.685	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	35365	6.621	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.65	198	454	7.534	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	16428	3.654	ng	# 1
76) Benzydine	12.69	184	1030	Below Cal	#	66

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

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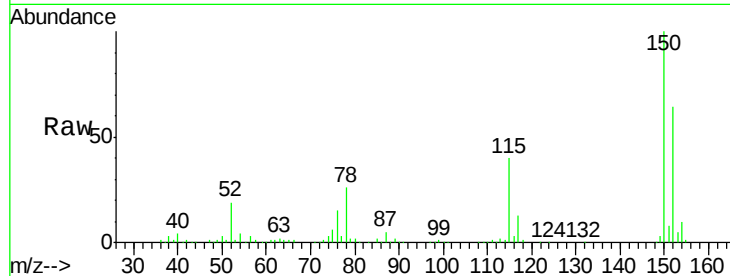


#1

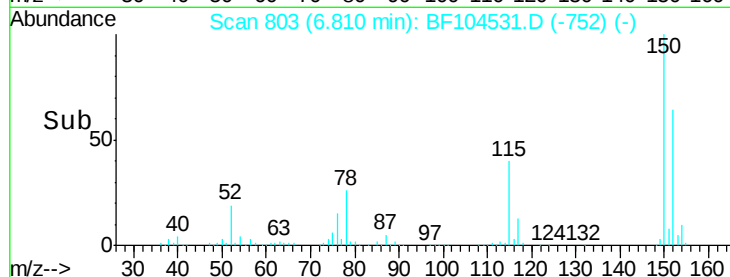
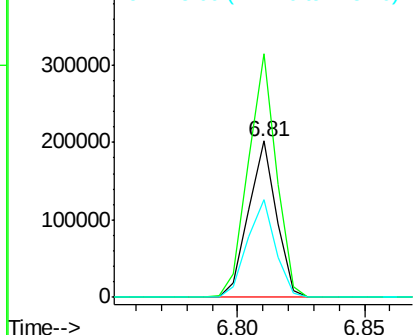
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Instrument :
BNA_F
ClientSampleId :
PB108229BL

Tot Ion:152 Resp: 154808
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 62.6 50.1 75.1



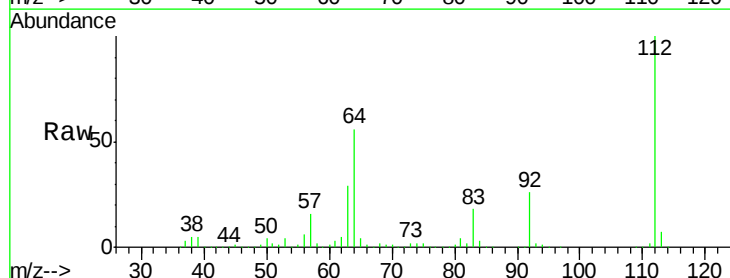
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



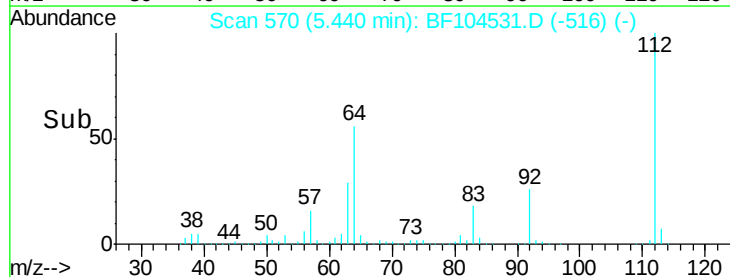
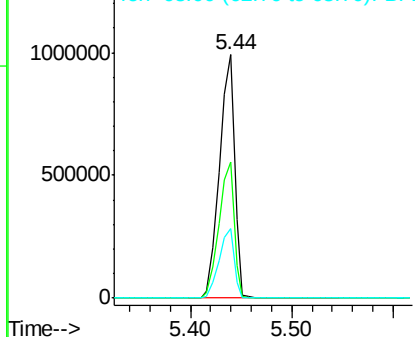
#5

2-Fluorophenol
Concen: 102.117 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Tgt Ion:112 Resp: 1033871
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.5 23.7 35.5



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: 111.164 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Instrument :

BNA_F

ClientSampleId :

PB108229BL

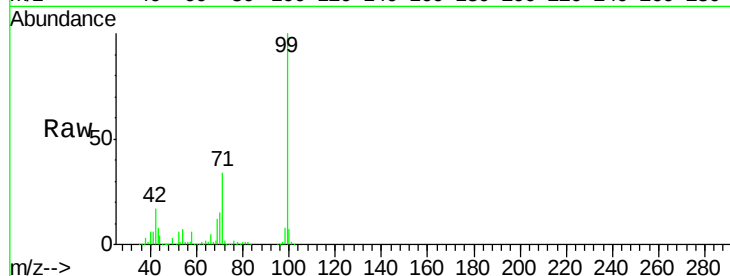
Tot Ion: 99 Resp: 1382841

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

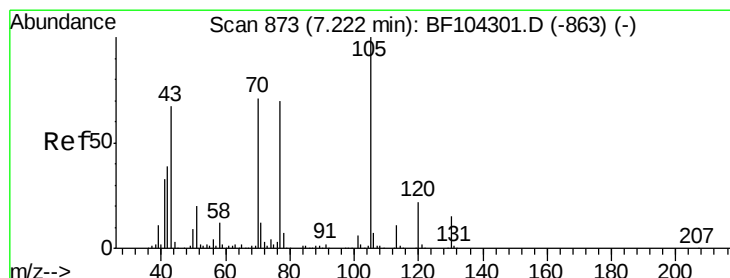
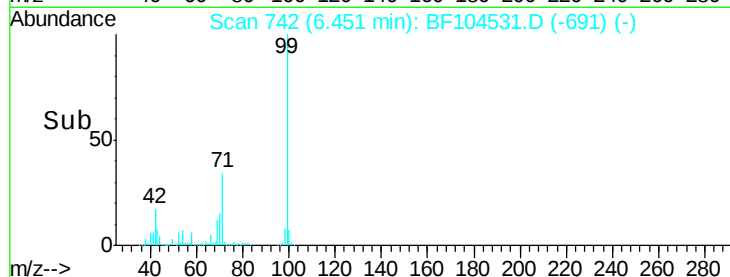
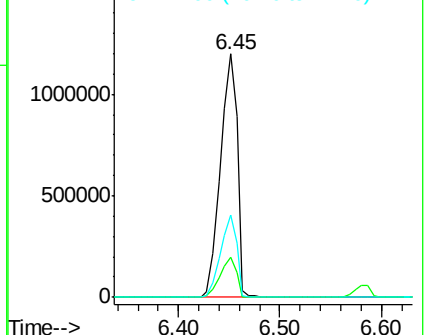
71 33.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.997 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Tgt Ion: 70 Resp: 113777

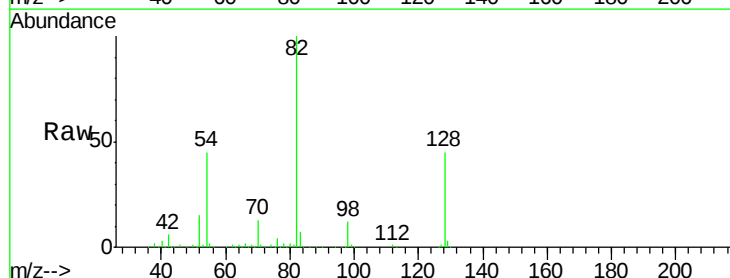
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

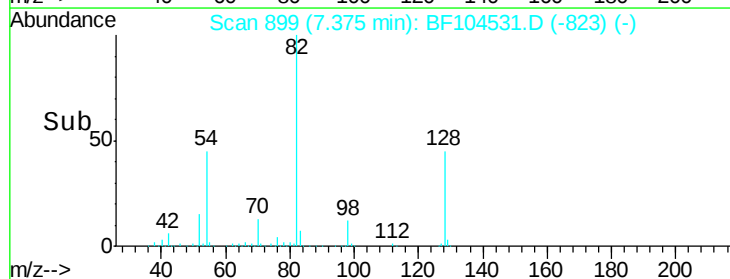
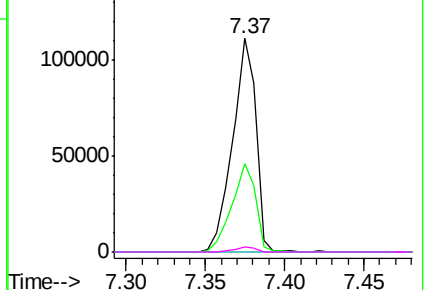


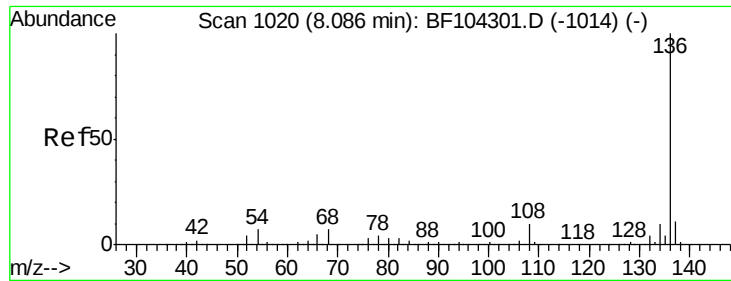
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

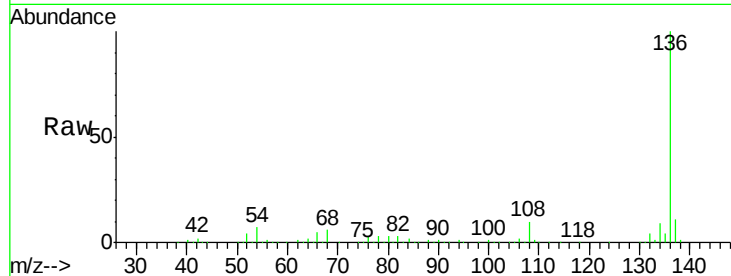




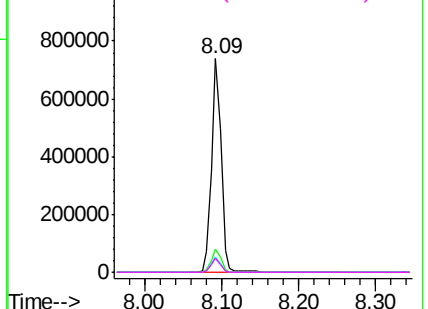
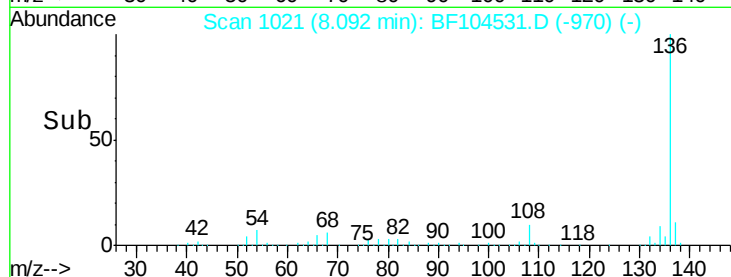
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Instrument :
BNA_F
ClientSampleId :
PB108229BL

Tot Ion:136	Resp:	635138
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.1	6.6 9.8
68	6.3	5.0 7.4

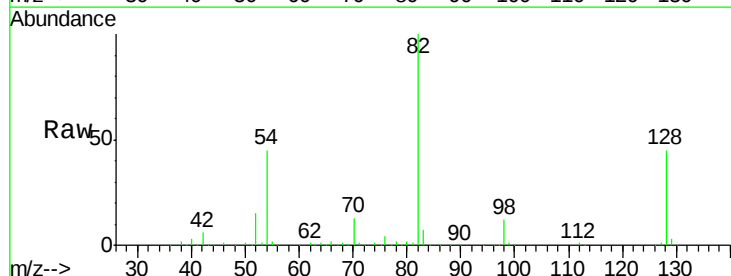


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

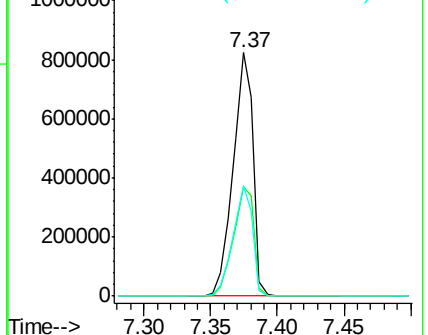
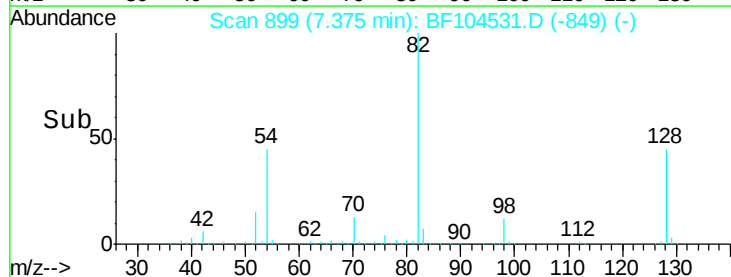


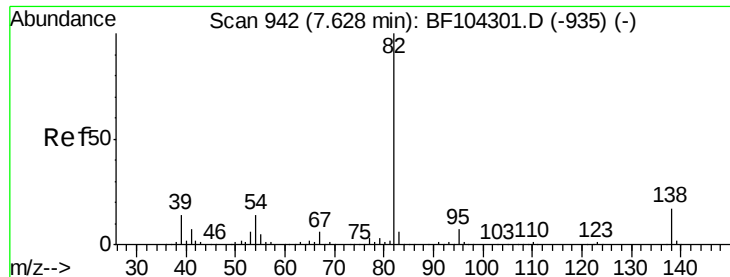
#23
Nitrobenzene-d5
Concen: 89.046 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Tgt Ion: 82	Resp:	866132
Ion Ratio	Lower	Upper
82	100	
128	44.9	36.1 54.1
54	45.3	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: 41.995 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Instrument :

BNA_F

ClientSampleId :

PB108229BL

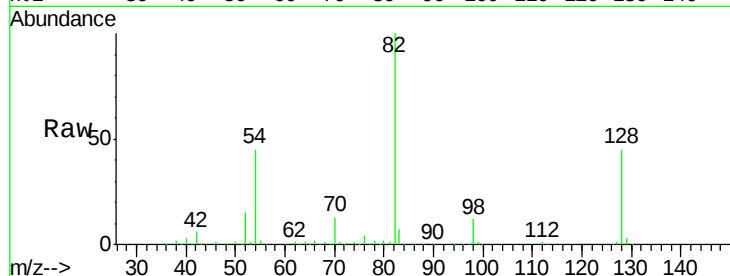
Tot Ion: 82 Resp: 863784

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

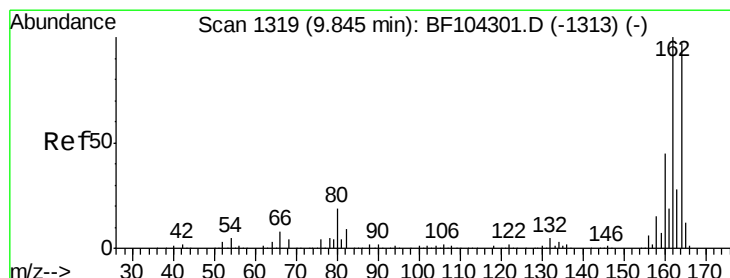
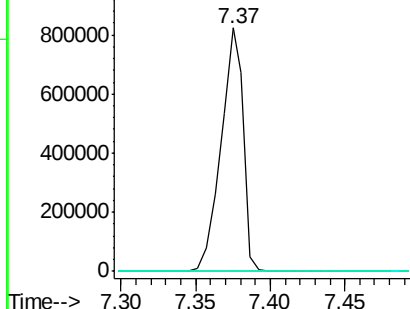
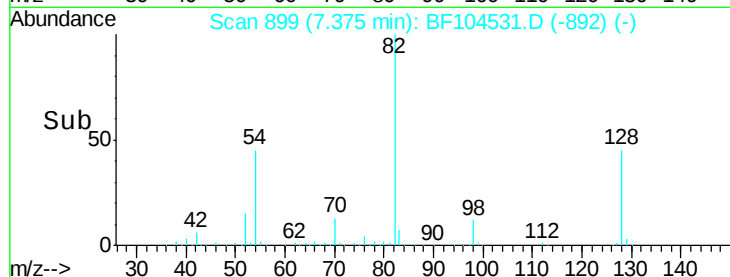
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

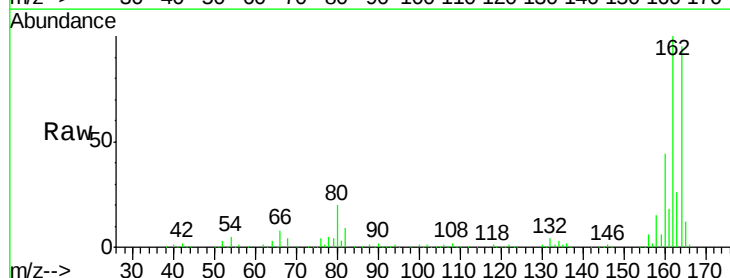
Tgt Ion: 164 Resp: 279048

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

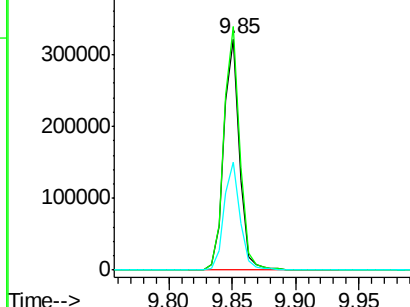
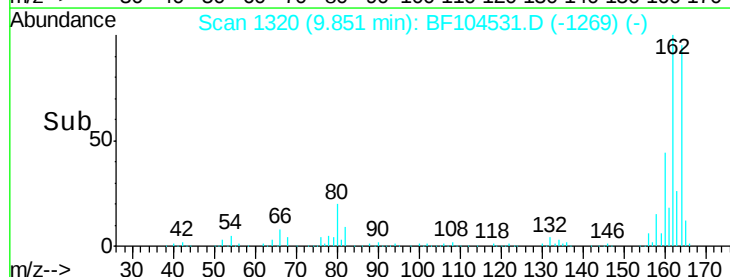
160 46.5 38.3 57.5

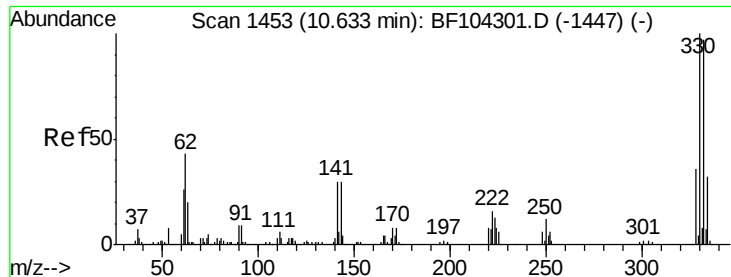


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

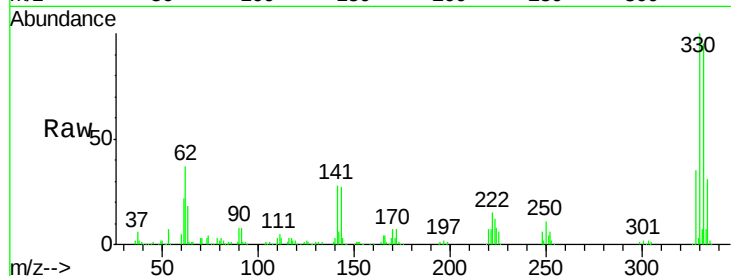




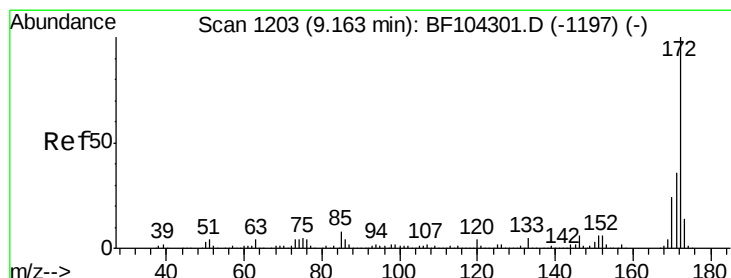
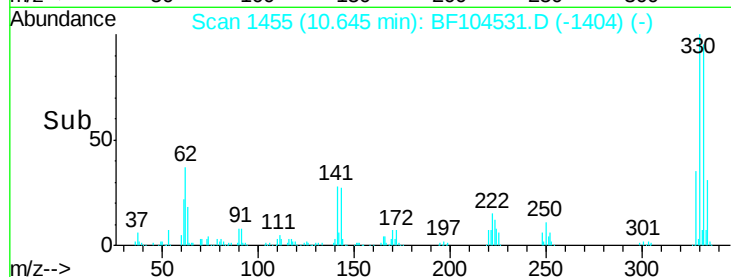
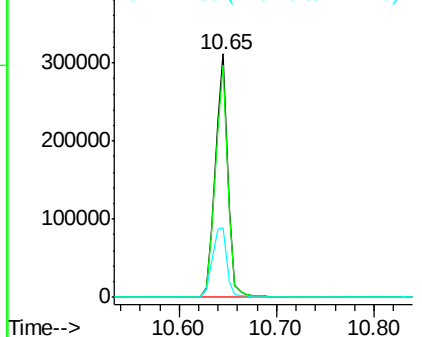
#41
 2,4,6-Tribromophenol
 Concen: 96.250 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Instrument :
 BNA_F
 ClientSampleId :
 PB108229BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	33.2	29.9	44.9

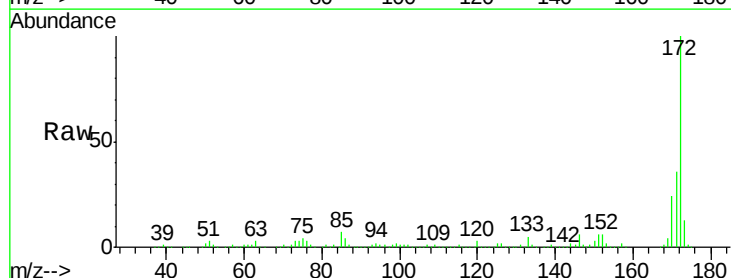


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

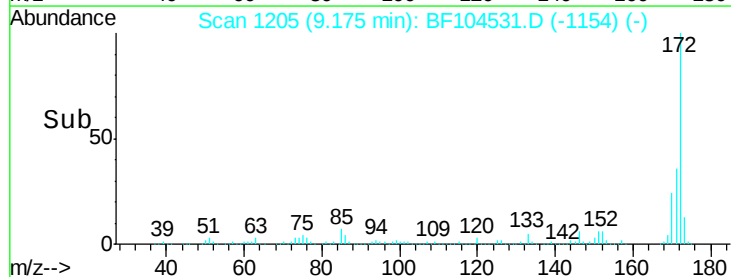
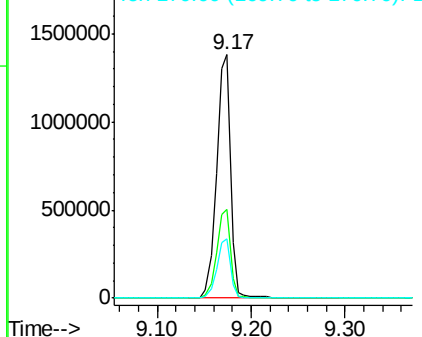


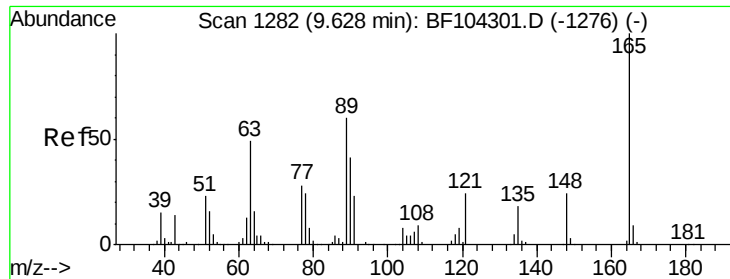
#44
 2-Fluorobiphenyl
 Concen: 82.154 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	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

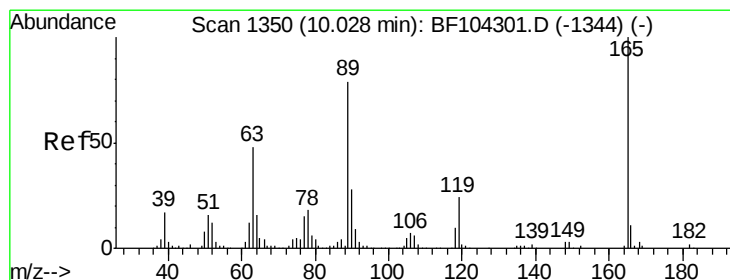
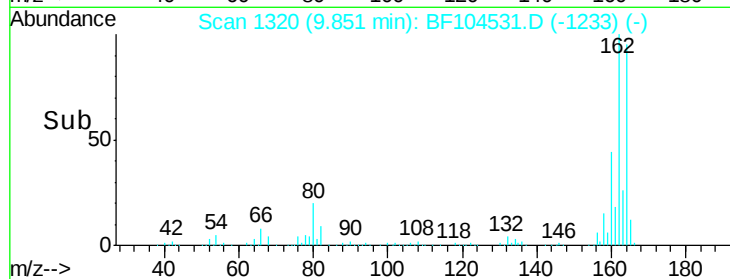
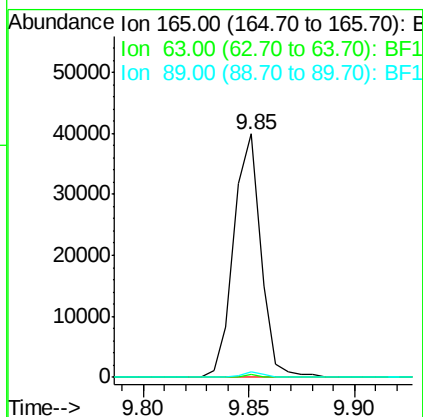
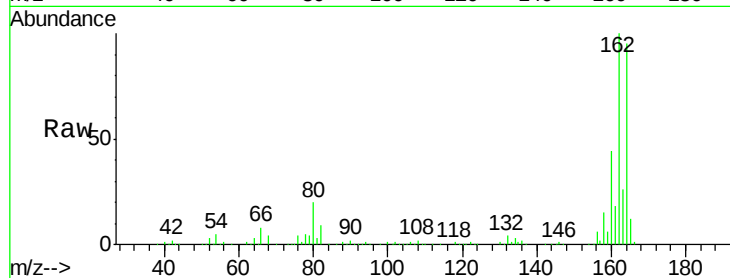




#50
2,6-Dinitrotoluene
Concen: 8.685 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

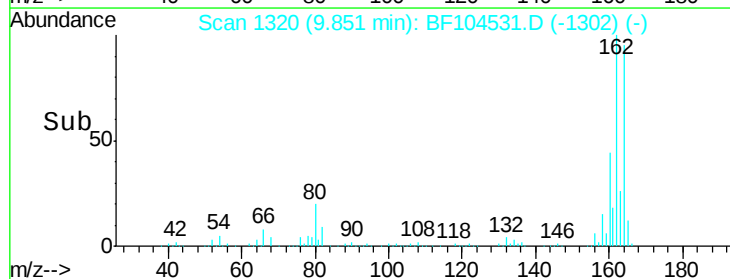
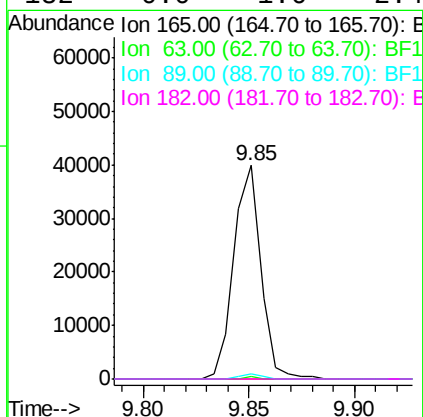
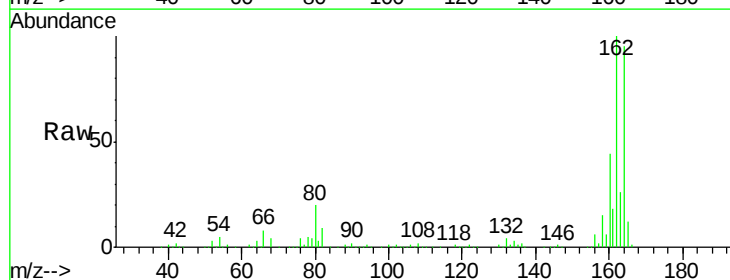
Instrument :
BNA_F
ClientSampleId :
PB108229BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	2.1	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.621 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Instrument :

BNA_F

ClientSampleId :

PB108229BL

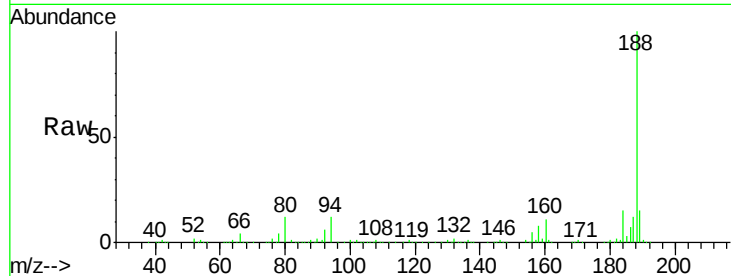
Tot Ion:188 Resp: 422660

Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.2	9.2	13.8

188 100

94 11.7 8.5 12.7

80 12.2 9.2 13.8



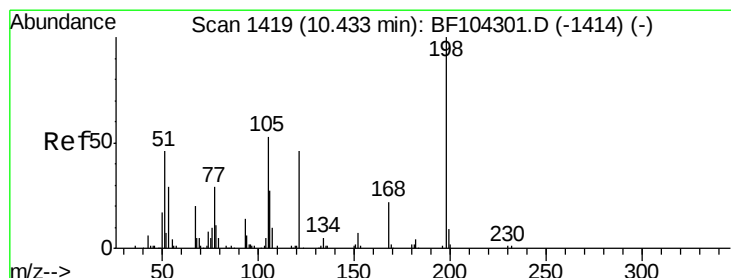
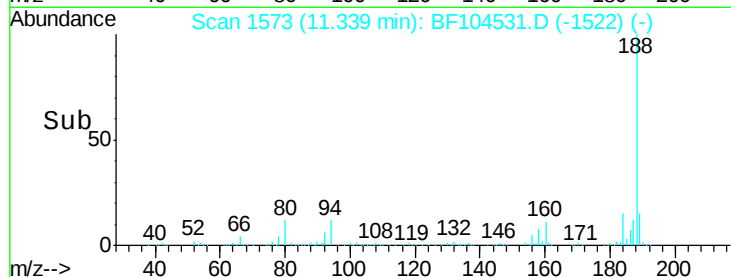
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.34

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 7.534 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

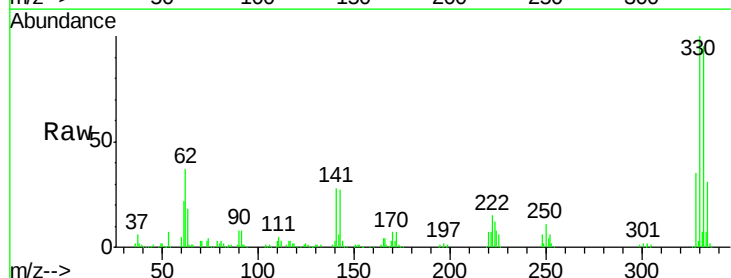
Tgt Ion:198 Resp: 454

Ion	Ratio	Lower	Upper
198	100		
51	112.6	37.7	77.7#
105	159.9	36.3	76.3#

198 100

51 112.6 37.7 77.7#

105 159.9 36.3 76.3#



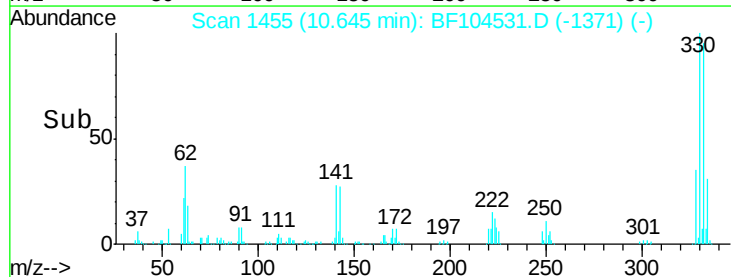
Abundance Ion 198.00 (197.70 to 198.70): E

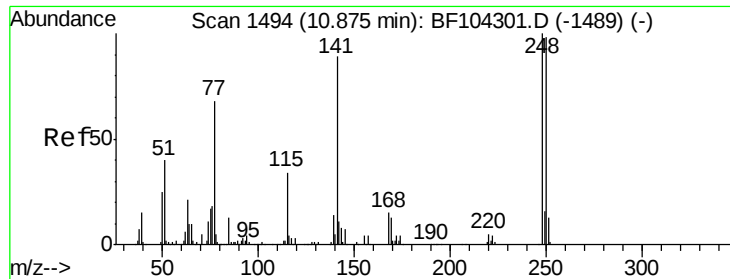
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

10.65

Time-->

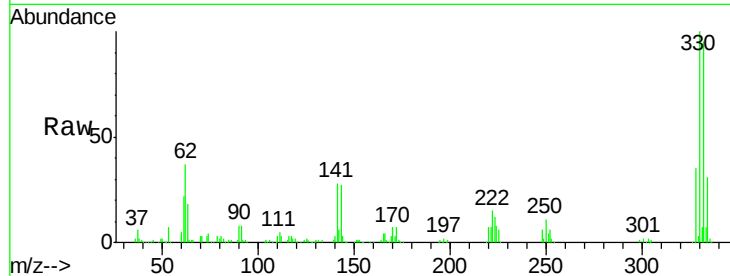




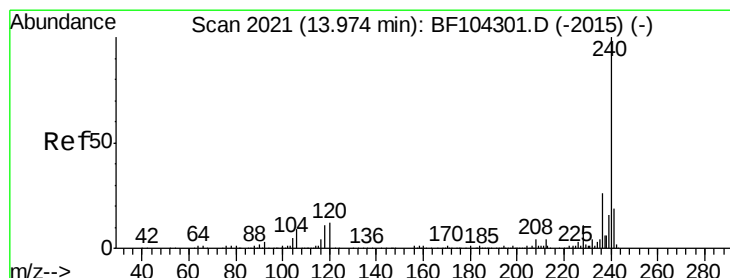
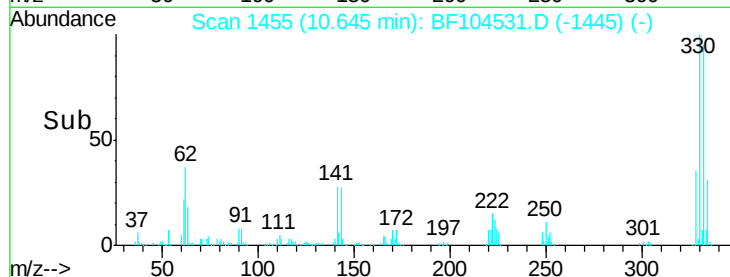
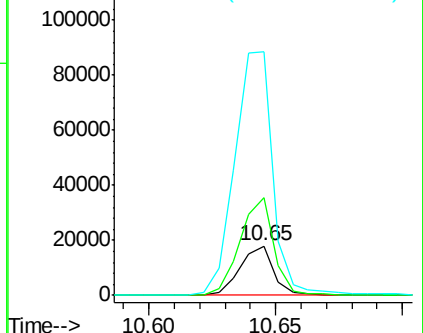
#66
4-Bromophenyl-phenylether
Concen: 3.654 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Instrument :
BNA_F
ClientSampleId :
PB108229BL

Tot Ion:248 Resp: 16428
Ion Ratio Lower Upper
248 100
250 198.1 76.9 115.3#
141 496.5 74.4 111.6#

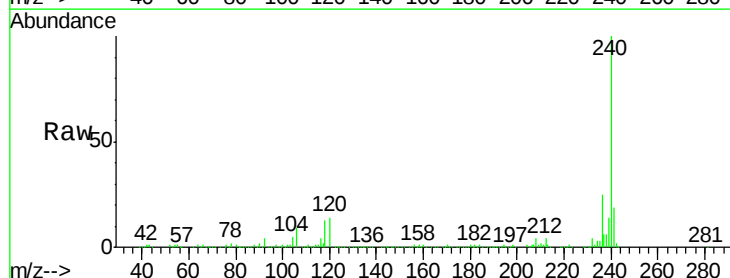


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

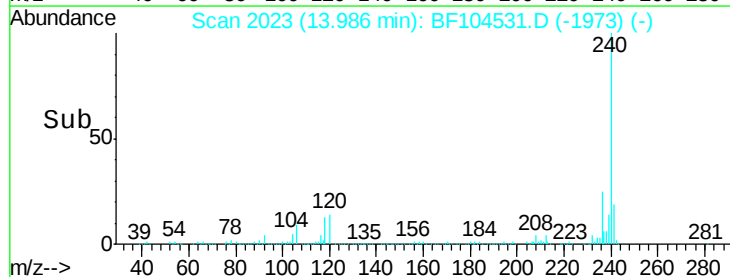
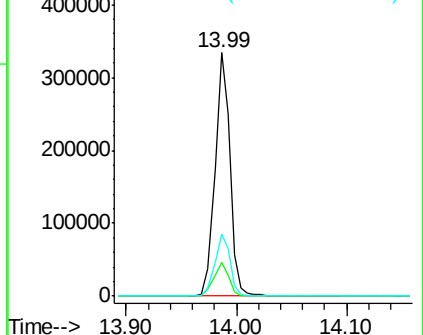


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Tgt Ion:240 Resp: 311691
Ion Ratio Lower Upper
240 100
120 13.9 9.5 14.3
236 25.5 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

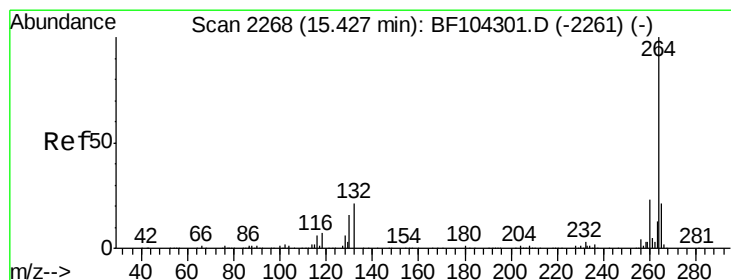
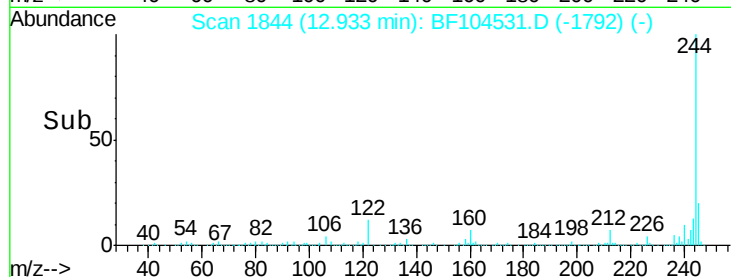
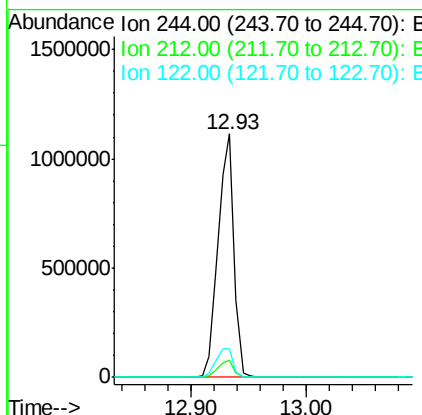
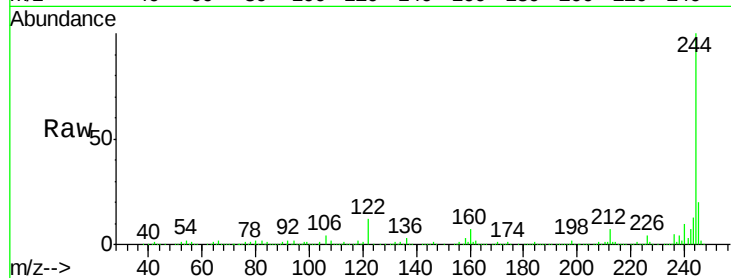




#78
 Terphenyl-d14
 Concen: 77.416 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Instrument :
 BNA_F
 ClientSampleID :
 PB108229BL

Tot Ion:244 Resp: 1058413
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Tgt Ion:264 Resp: 259716
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.2 17.5 26.3

