

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104651.D
 Acq On : 20 Apr 2018 1:35
 Operator : JU/SJ
 Sample : PB108340BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 02:23:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

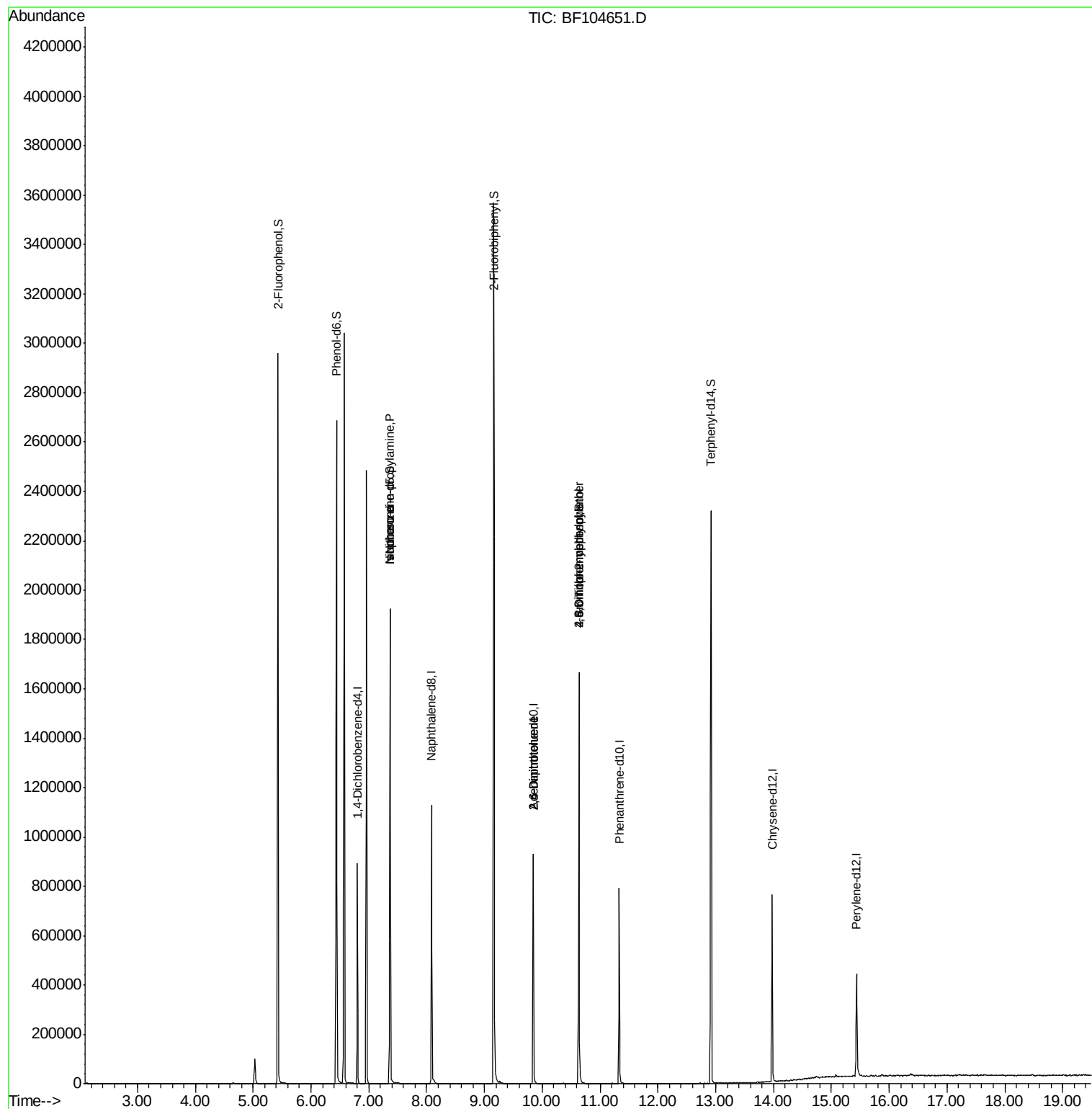
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	124138	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	502641	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	204923	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	310229	20.00	ng	0.00
75) Chrysene-d12	13.97	240	257716	20.00	ng	-0.01
86) Perylene-d12	15.44	264	200311	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	874823	107.76	ng	0.01
7) Phenol-d6	6.45	99	1045647	104.83	ng	0.00
23) Nitrobenzene-d5	7.37	82	660601	85.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	209002	98.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1148785	88.56	ng	0.00
78) Terphenyl-d14	12.92	244	860968	76.16	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	1356	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	85306	13.087	ng	# 73
25) Isophorone	7.37	82	660589	40.582	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	25906	8.664	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	25906	6.605	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	177	7.446	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12059	3.654	ng	# 1
76) Benzidine	12.92	184	10979	Below Cal	#	95

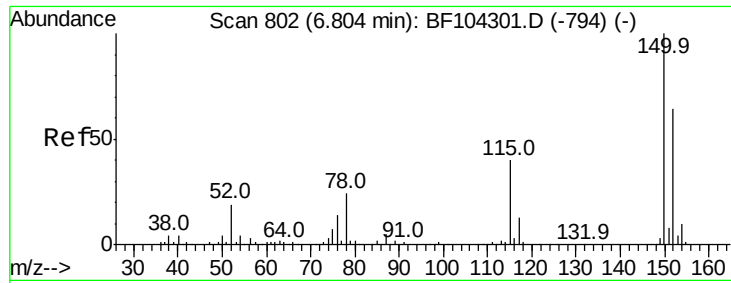
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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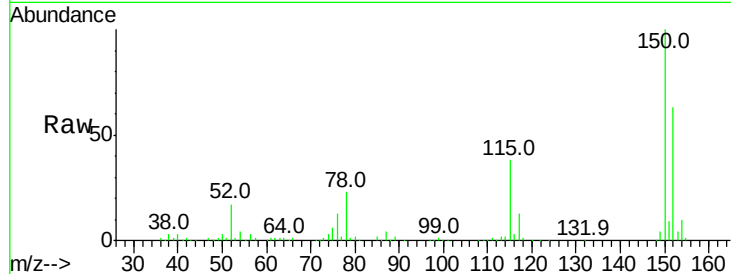


#1

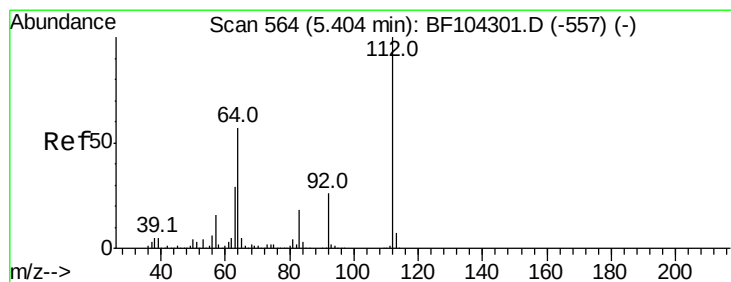
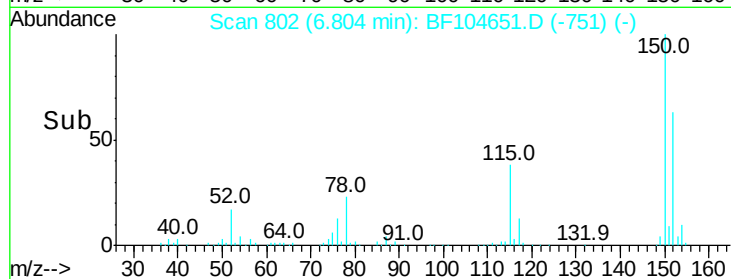
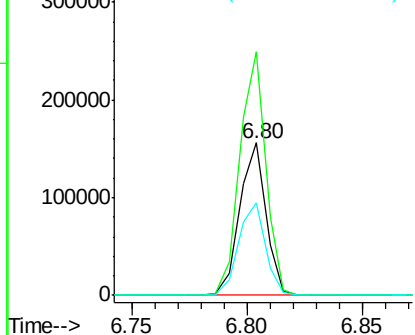
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104651.D
Acq: 20 Apr 2018 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124138
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 60.8 50.1 75.1



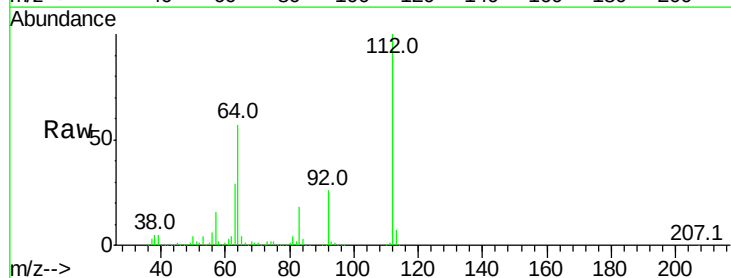
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



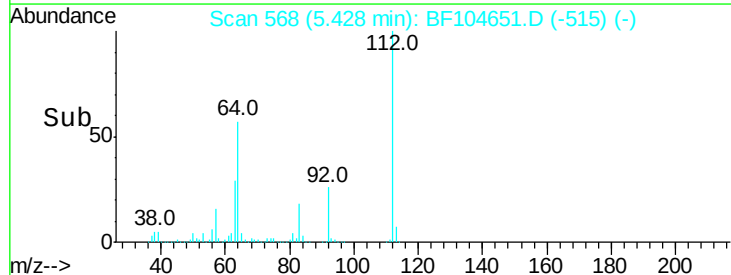
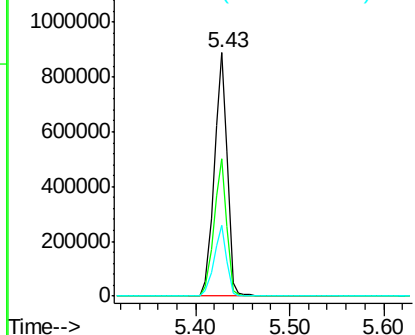
#5

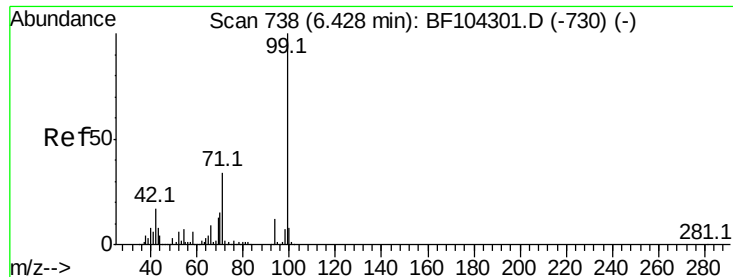
2-Fluorophenol
Concen: 107.755 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104651.D
Acq: 20 Apr 2018 1:35

Tgt Ion:112 Resp: 874823
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.9 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: 104.825 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

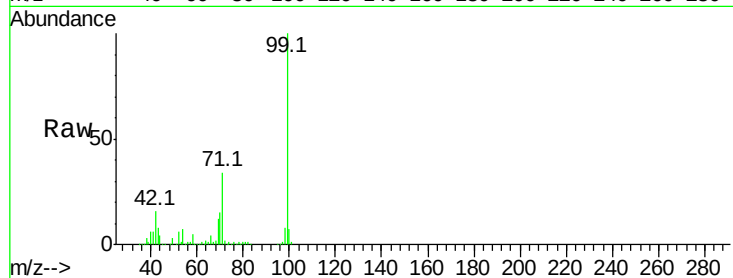
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1045647

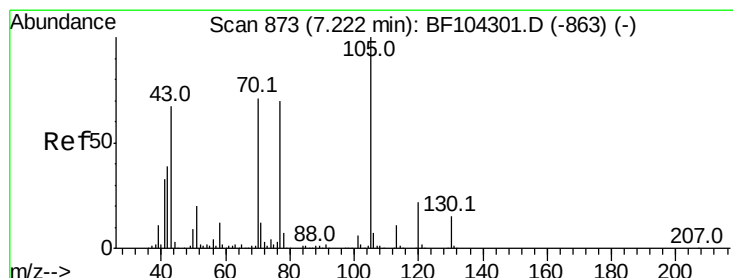
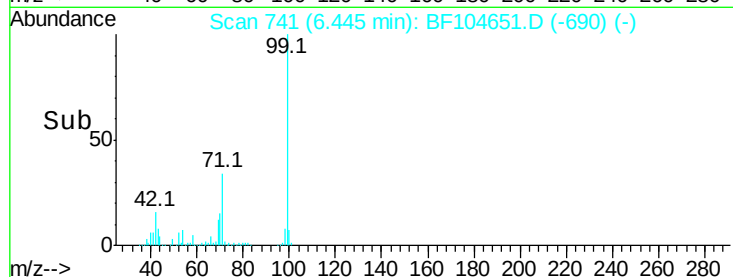
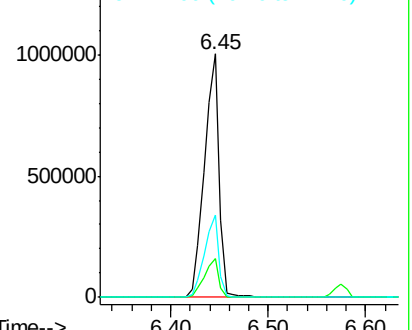
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	33.6	25.4	38.0



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: 13.087 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

Tgt Ion: 70 Resp: 85306

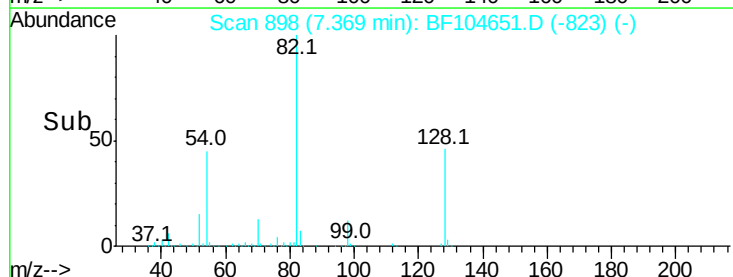
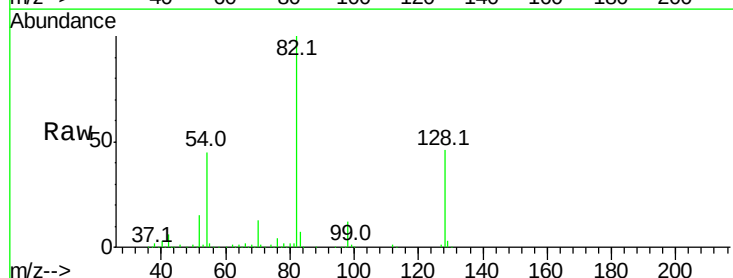
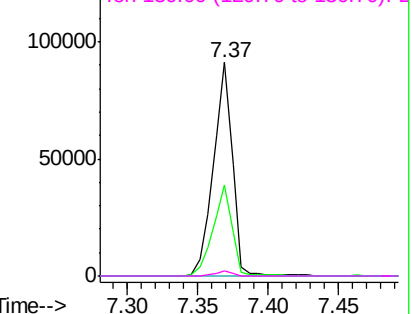
Ion	Ratio	Lower	Upper
70	100		
42	42.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#

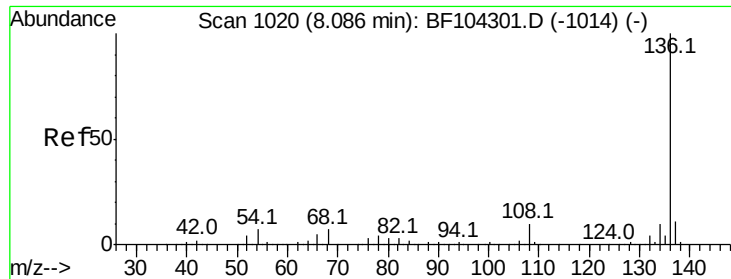
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

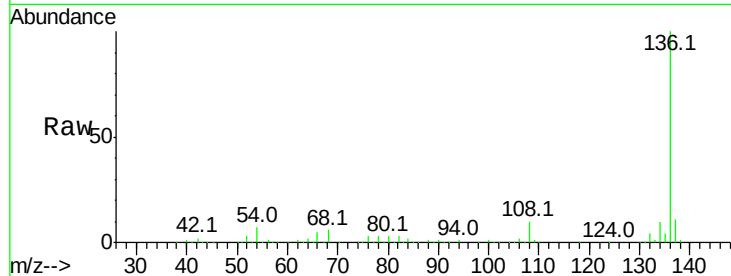




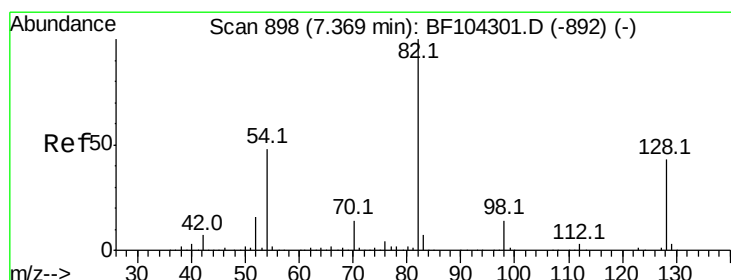
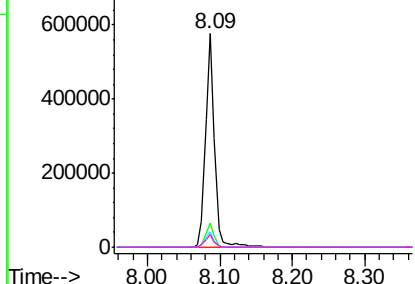
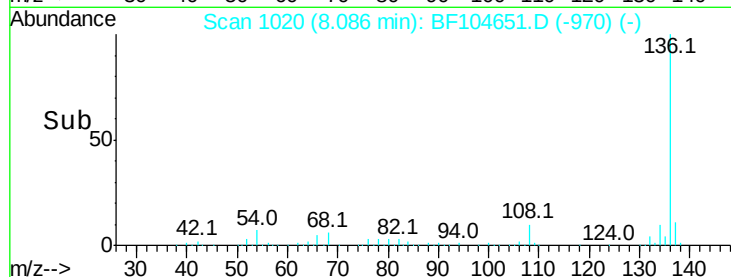
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104651.D
Acq: 20 Apr 2018 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	502641
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.0	6.6	9.8
68	5.9	5.0	7.4

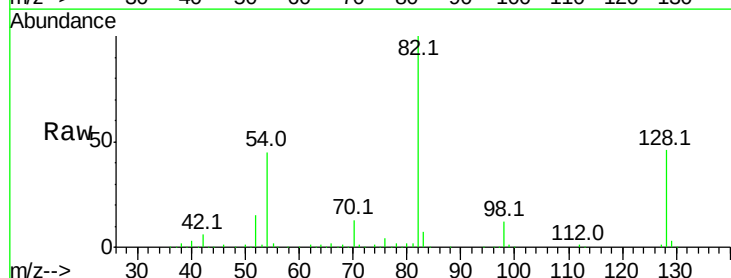


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

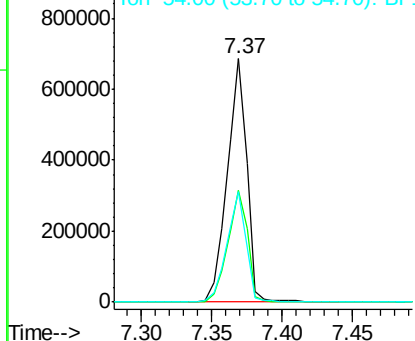
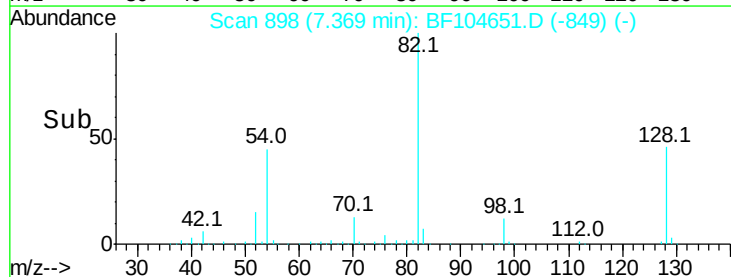


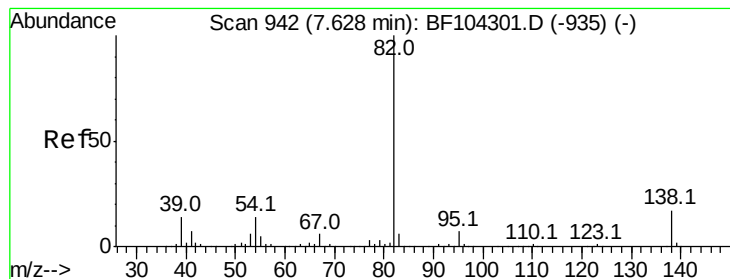
#23
Nitrobenzene-d5
Concen: 85.819 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104651.D
Acq: 20 Apr 2018 1:35

Tgt Ion:	82	Resp:	660601
Ion	Ratio	Lower	Upper
82	100		
128	45.7	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: 40.582 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

Instrument :

BNA_F

ClientSampleId :

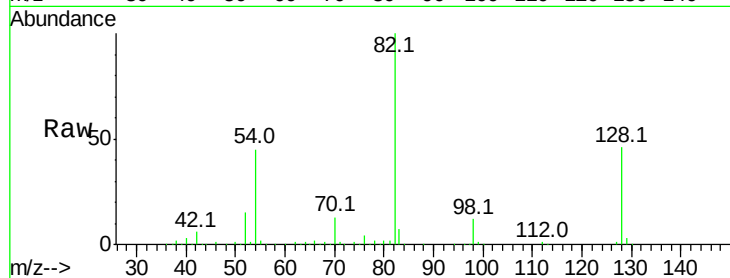
Tot Ion: 82 Resp: 660589

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

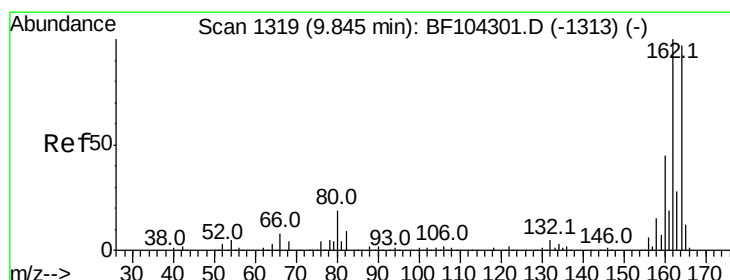
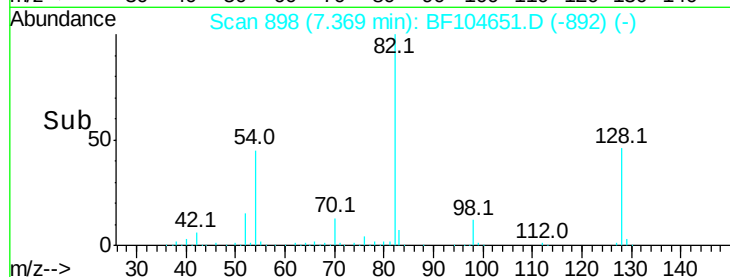
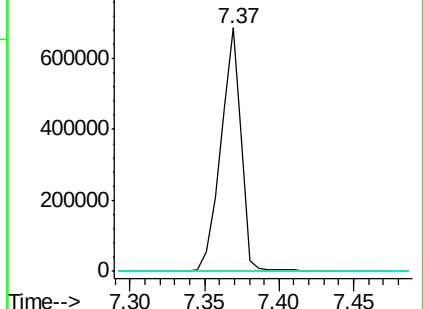
138 0.0 14.9 22.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

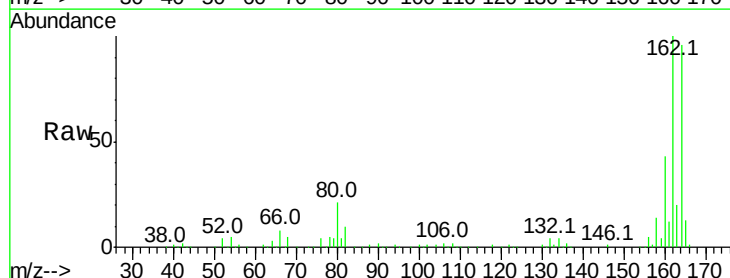
Tgt Ion: 164 Resp: 204923

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

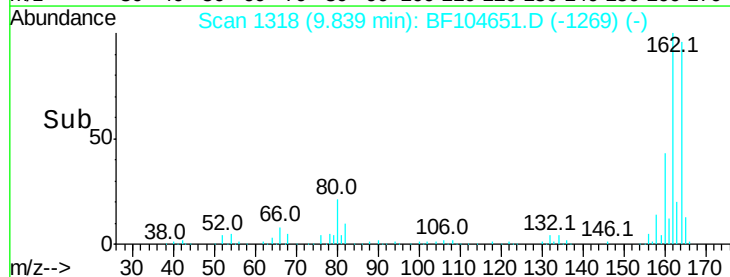
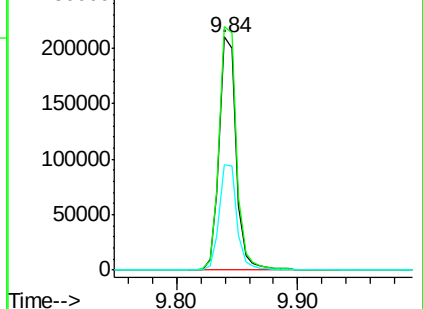
160 45.2 38.3 57.5

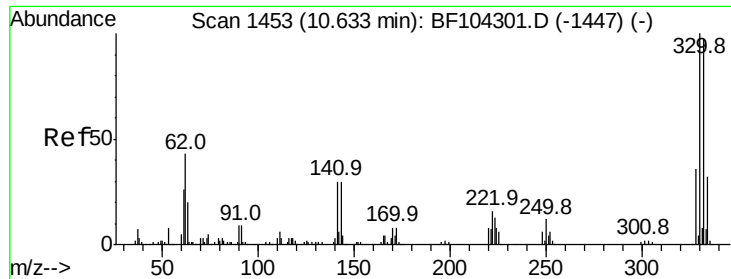


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

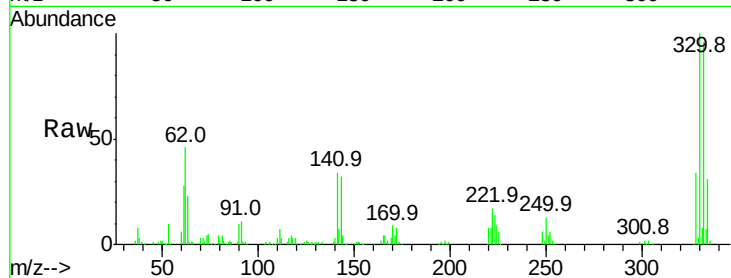




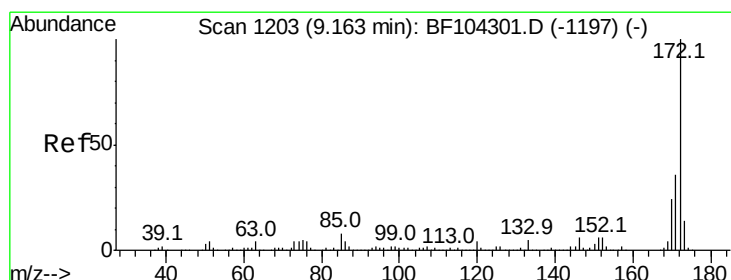
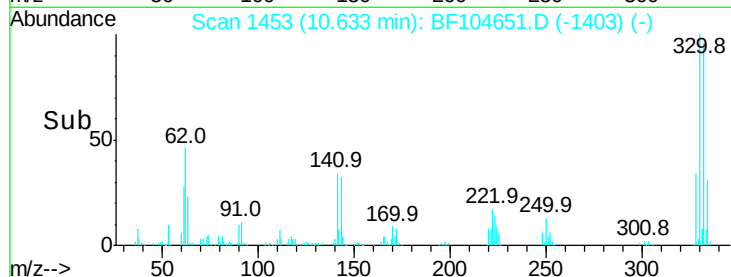
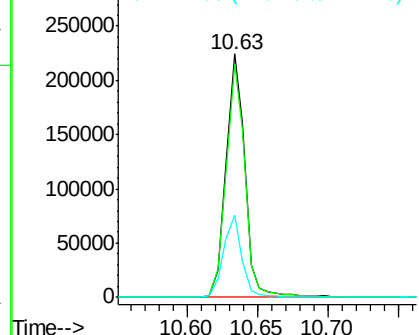
#41
 2,4,6-Tribromophenol
 Concen: 98.320 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104651.D
 Acq: 20 Apr 2018 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	33.4	29.9	44.9

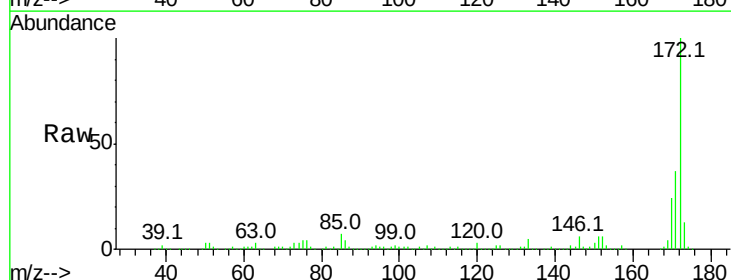


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

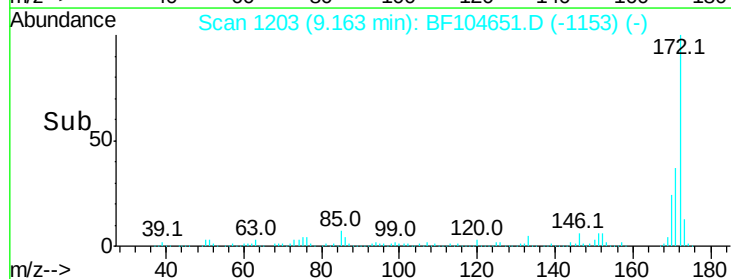
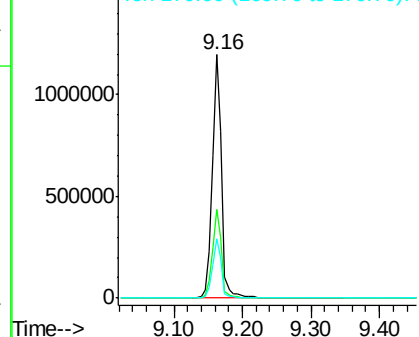


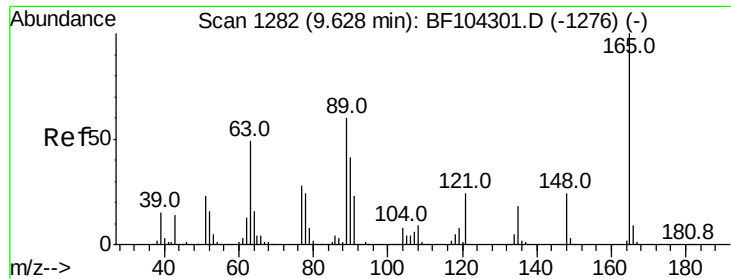
#44
 2-Fluorobiphenyl
 Concen: 88.560 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104651.D
 Acq: 20 Apr 2018 1:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	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: 8.664 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

Instrument :

BNA_F

ClientSampleId :

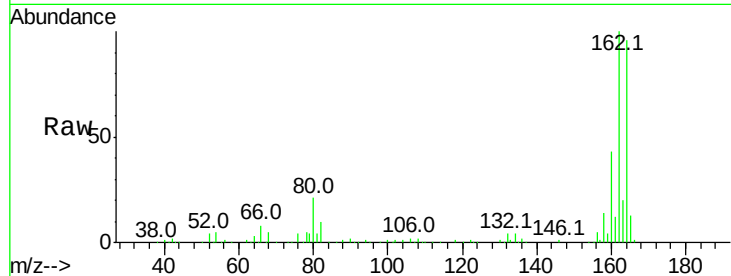
Tot Ion:165 Resp: 25906

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

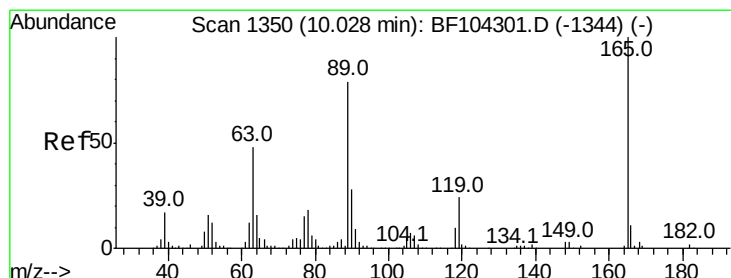
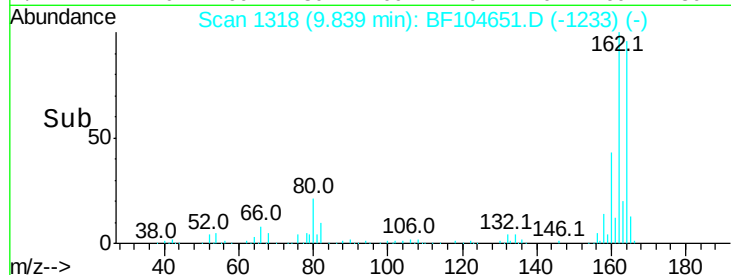
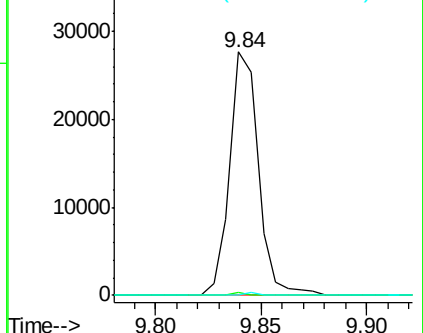
89 0.0 44.0 66.0#



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: 6.605 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

Tgt Ion:165 Resp: 25906

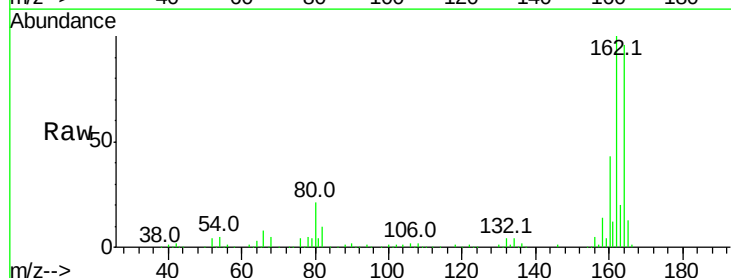
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

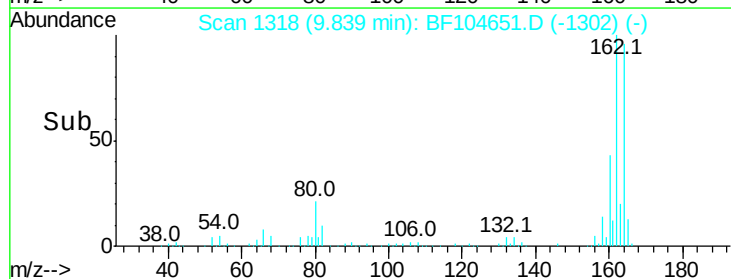
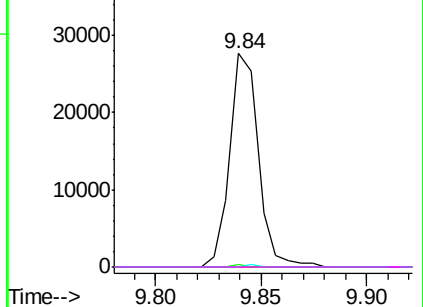


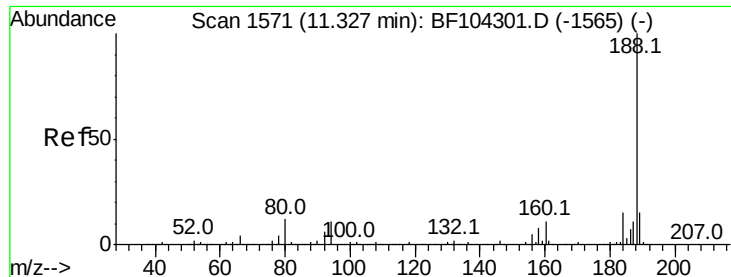
Abundance Ion 165.00 (164.70 to 165.70): E

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

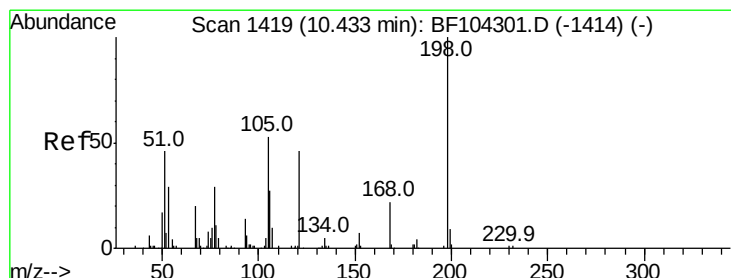
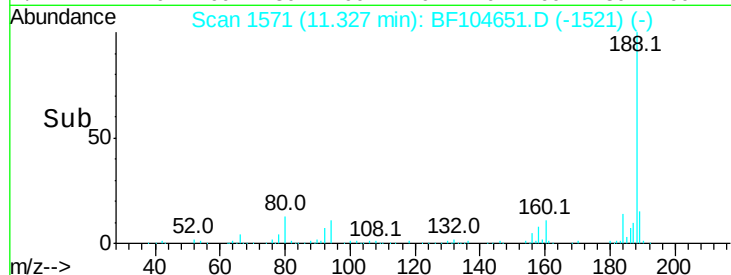
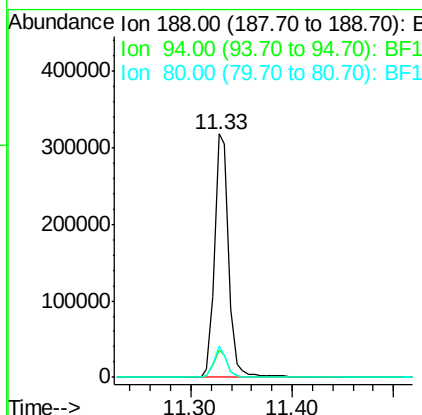
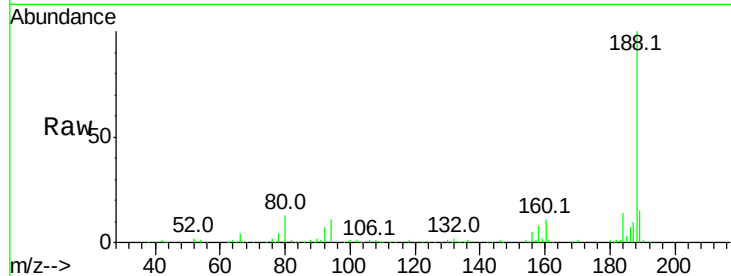




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104651.D
 Acq: 20 Apr 2018 1:35

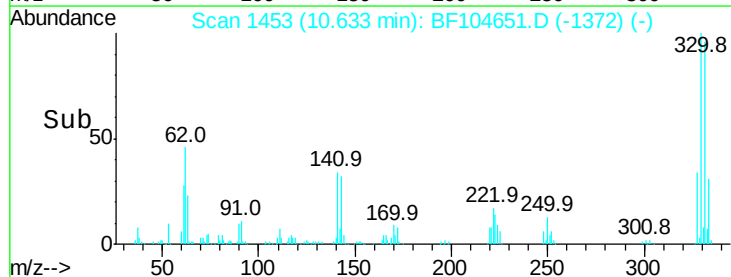
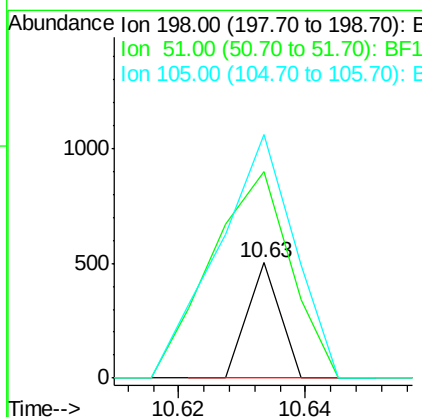
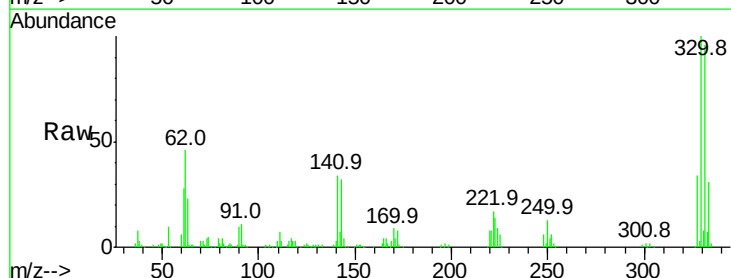
Instrument :
 BNA_F
 ClientSampleId :

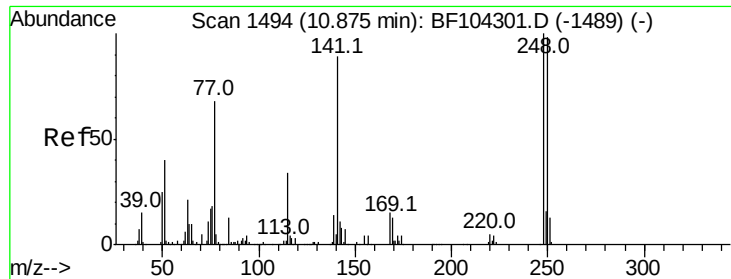
Tot Ion:188 Resp: 310229
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.446 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104651.D
 Acq: 20 Apr 2018 1:35

Tgt Ion:198 Resp: 177
 Ion Ratio Lower Upper
 198 100
 51 180.0 37.7 77.7#
 105 211.8 36.3 76.3#

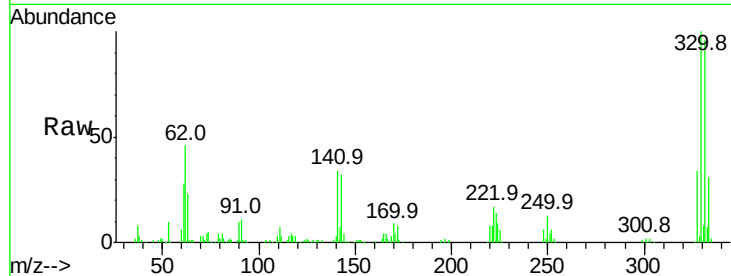




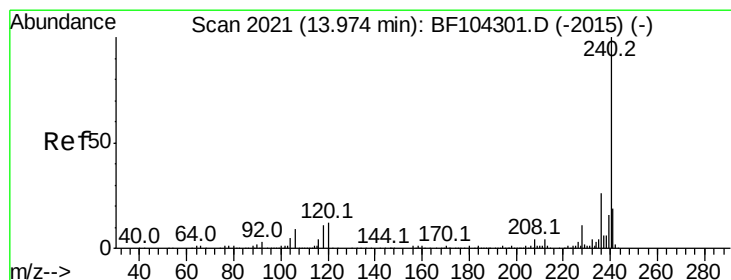
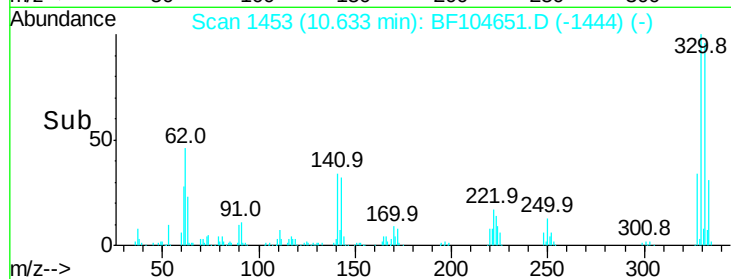
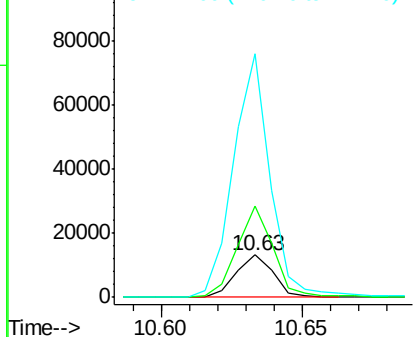
#66
 4-Bromophenyl-phenylether
 Concen: 3.654 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104651.D
 Acq: 20 Apr 2018 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12059
 Ion Ratio Lower Upper
 248 100
 250 216.1 76.9 115.3#
 141 577.5 74.4 111.6#

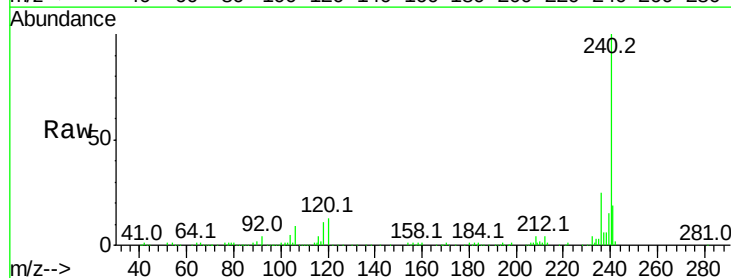


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

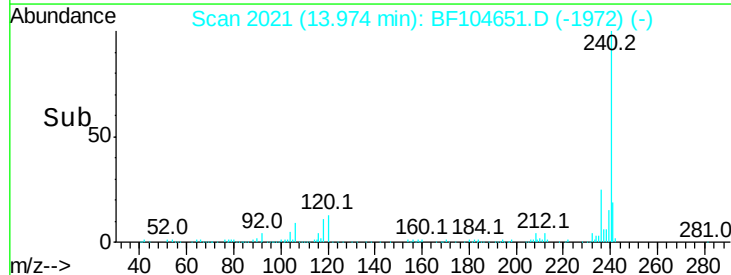
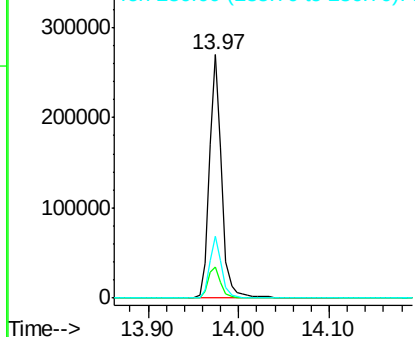


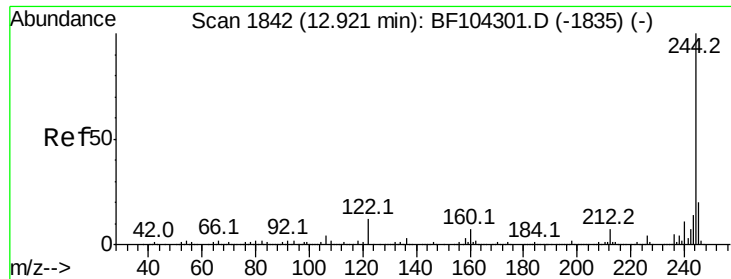
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104651.D
 Acq: 20 Apr 2018 1:35

Tgt Ion:240 Resp: 257716
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.3 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: 76.164 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

Instrument :

BNA_F

ClientSampled :

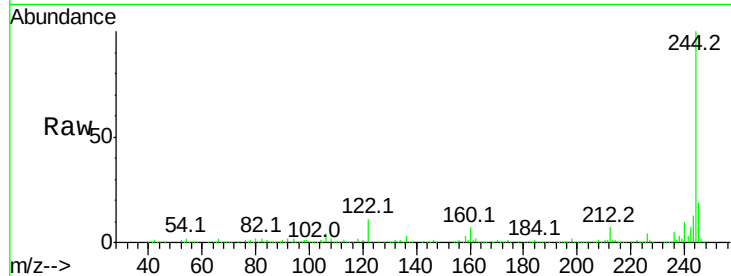
Tot Ion:244 Resp: 860968

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

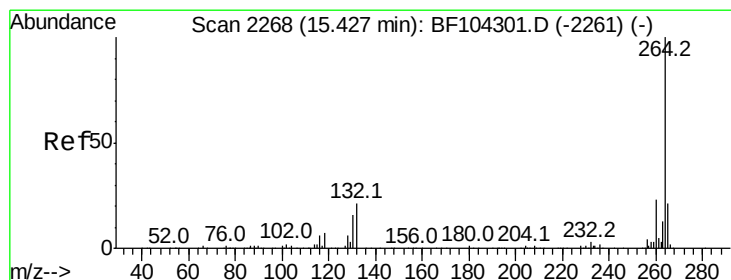
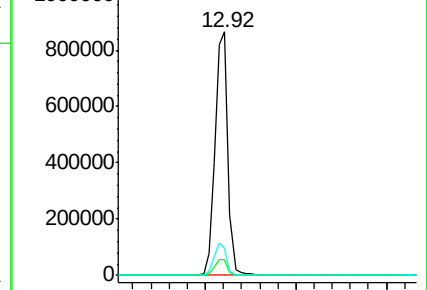
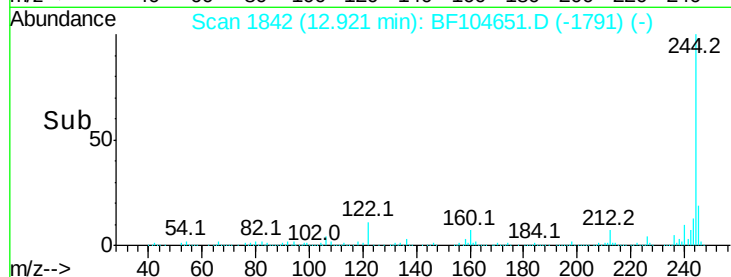
122 11.2 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF104651.D

Acq: 20 Apr 2018 1:35

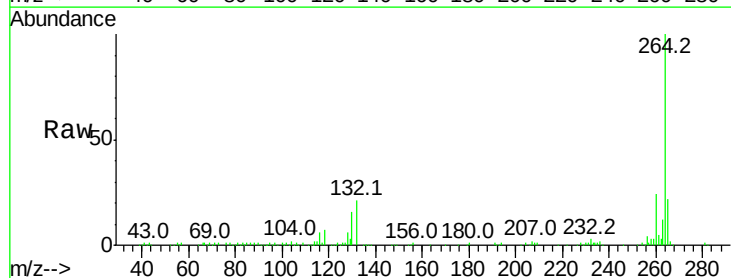
Tgt Ion:264 Resp: 200311

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.0 17.5 26.3



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

