

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104821.D
 Acq On : 26 Apr 2018 7:00
 Operator : JU/SJ
 Sample : J2470-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:26:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118244	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	467780	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	195691	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	286980	20.00	ng	0.00
75) Chrysene-d12	13.97	240	235162	20.00	ng	-0.01
86) Perylene-d12	15.44	264	180149	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	434809	56.23	ng	0.00
7) Phenol-d6	6.43	99	329234	34.65	ng	-0.01
23) Nitrobenzene-d5	7.37	82	694702	96.97	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	230675	113.64	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1168772	94.35	ng	0.00
78) Terphenyl-d14	12.92	244	851932	82.59	ng	0.00

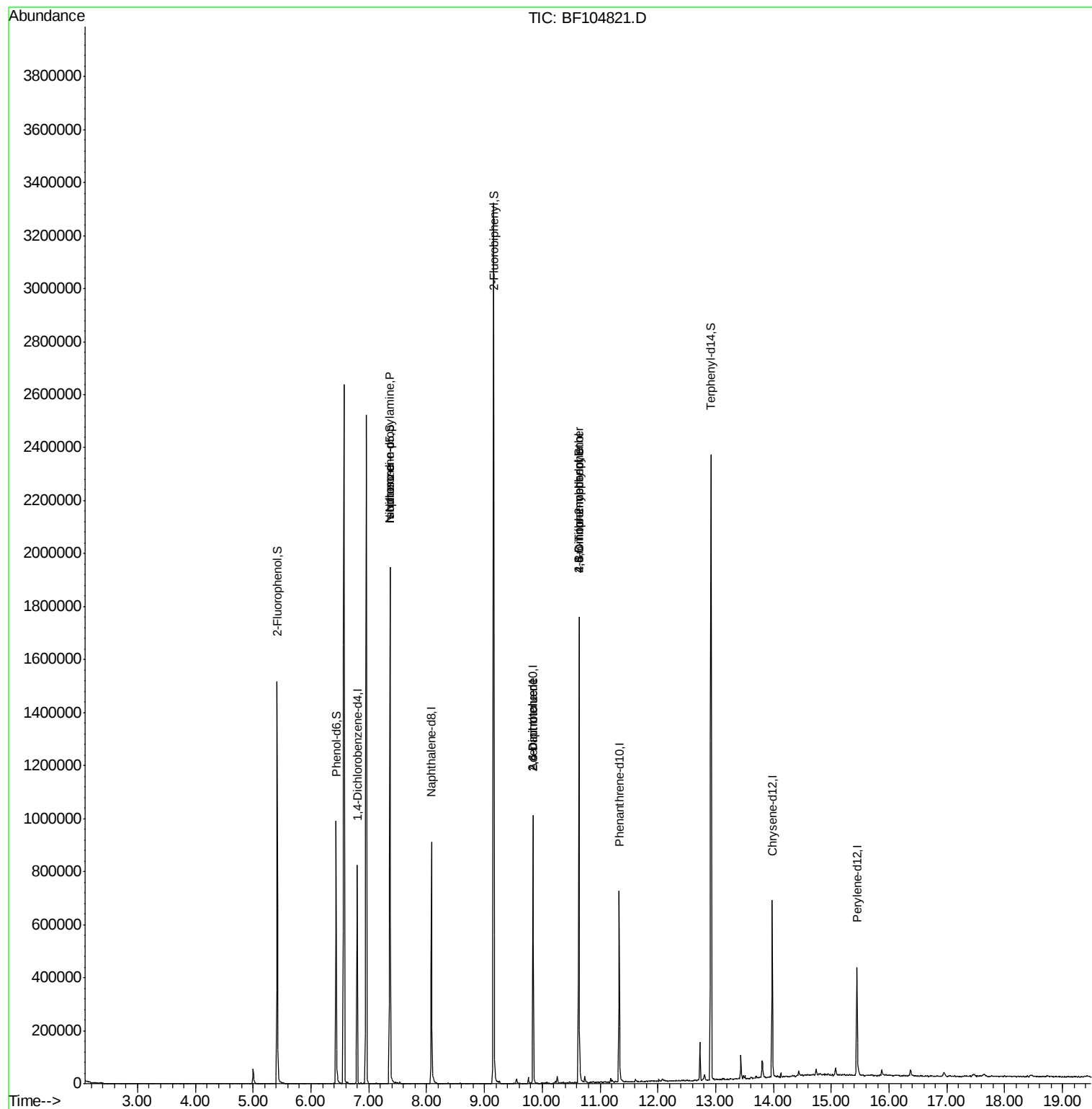
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	516	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	88885	14.316	ng	# 72
25) Isophorone	7.37	82	694698	45.858	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	24533	8.592	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	24533	6.550	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	452	7.621	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14405	4.719	ng	# 1
76) Benzidine	12.92	184	11630	Below Cal	#	95

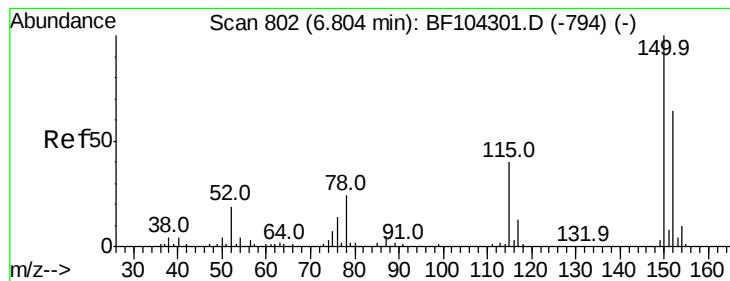
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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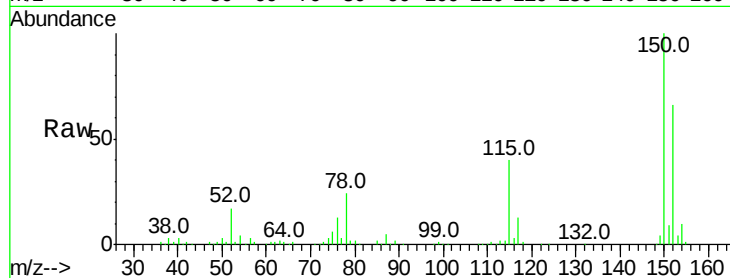


#1

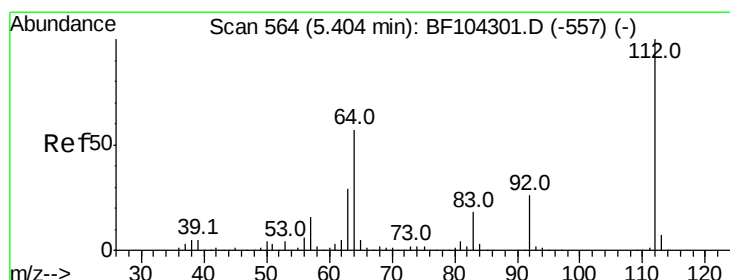
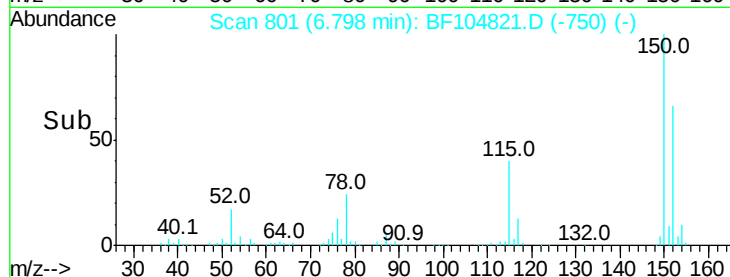
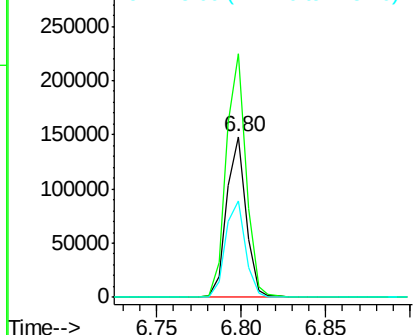
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104821.D
Acq: 26 Apr 2018 7:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118244
Ion Ratio Lower Upper
152 100
150 151.7 124.6 186.8
115 60.4 50.1 75.1



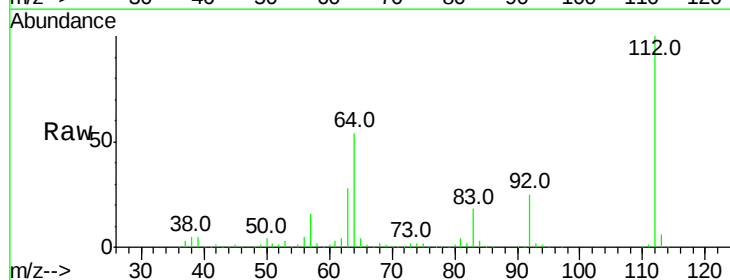
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



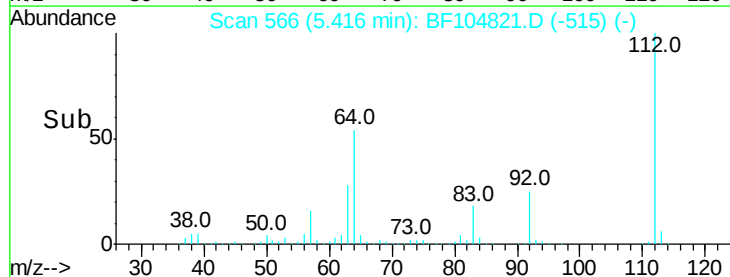
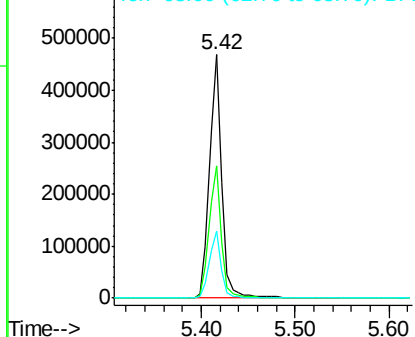
#5

2-Fluorophenol
Concen: 56.227 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104821.D
Acq: 26 Apr 2018 7:00

Tgt Ion:112 Resp: 434809
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 27.7 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: 34.651 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104821.D

Acq: 26 Apr 2018 7:00

Instrument :

BNA_F

ClientSampled :

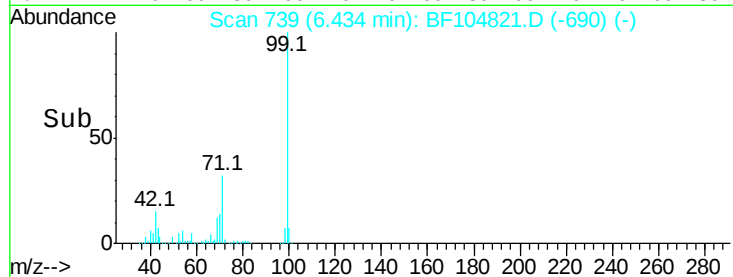
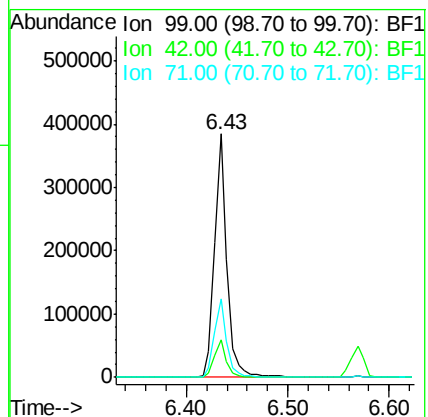
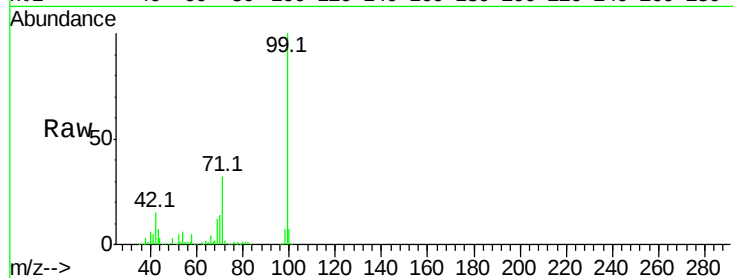
Tot Ion: 99 Resp: 329234

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.316 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104821.D

Acq: 26 Apr 2018 7:00

Tgt Ion: 70 Resp: 88885

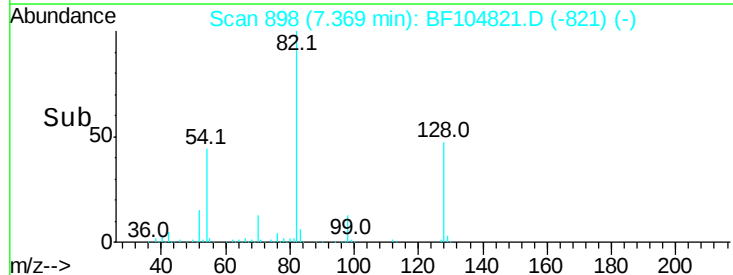
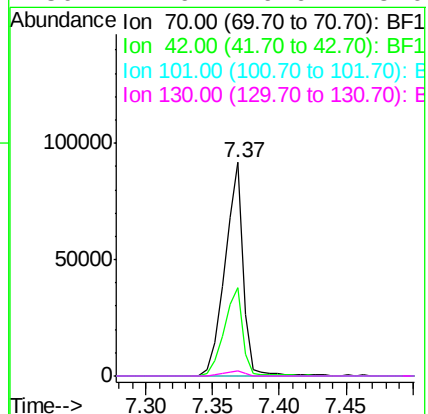
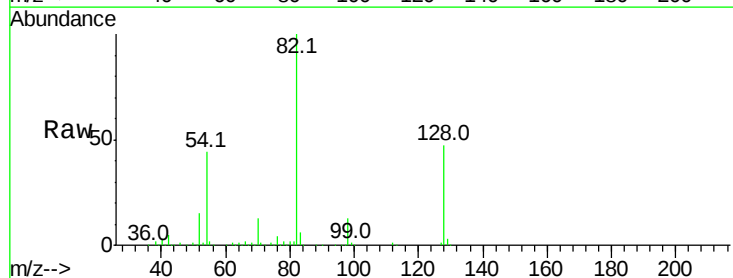
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

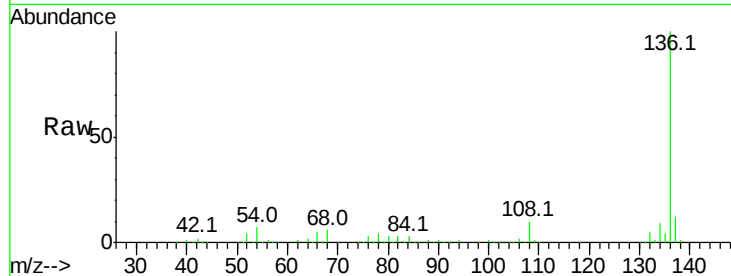




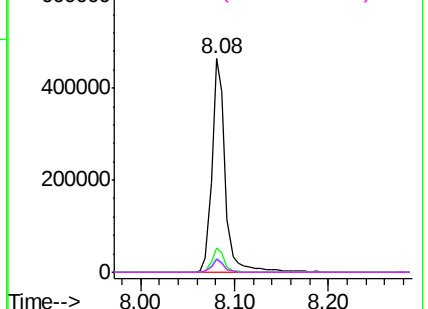
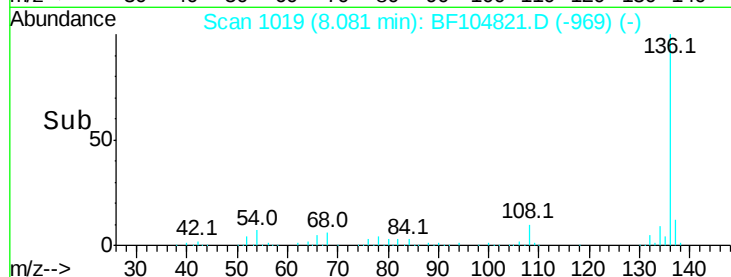
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104821.D
Acq: 26 Apr 2018 7:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	467780
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	6.6	6.6	9.8
68	5.9	5.0	7.4

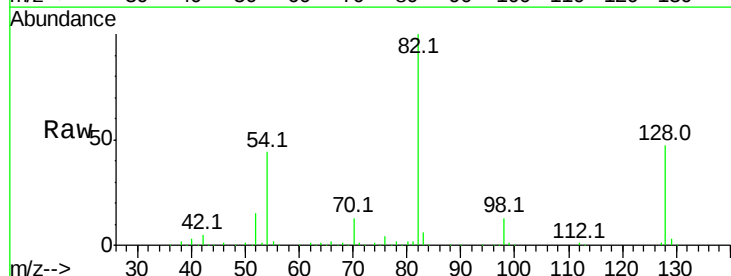


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

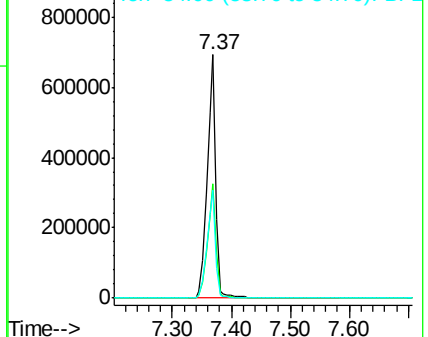
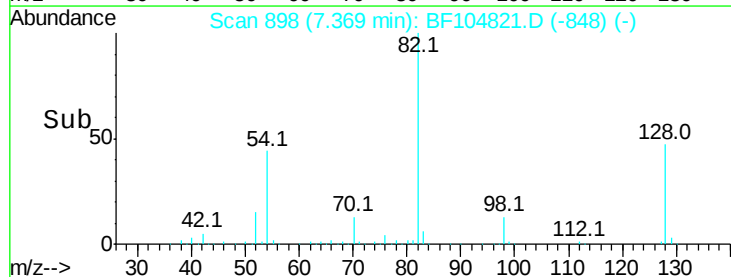


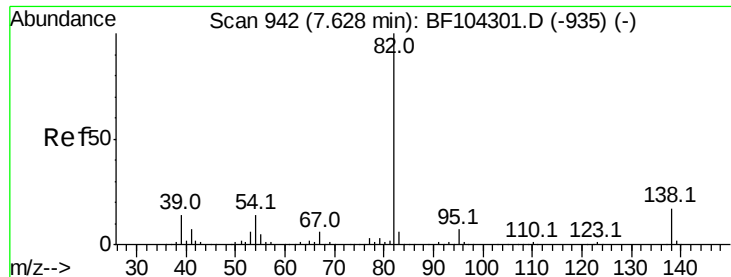
#23
Nitrobenzene-d5
Concen: 96.974 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104821.D
Acq: 26 Apr 2018 7:00

Tgt Ion:	82	Resp:	694702
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	44.4	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: 45.858 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104821.D

Acq: 26 Apr 2018 7:00

Instrument :

BNA_F

ClientSampled :

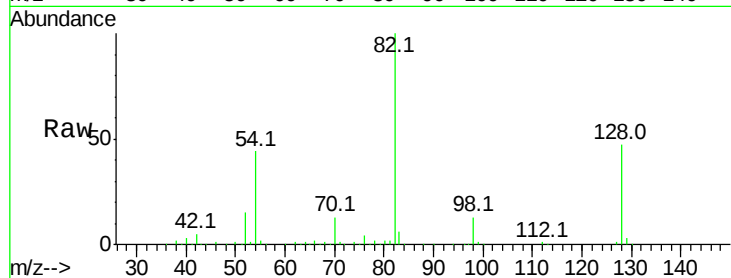
Tot Ion: 82 Resp: 694698

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

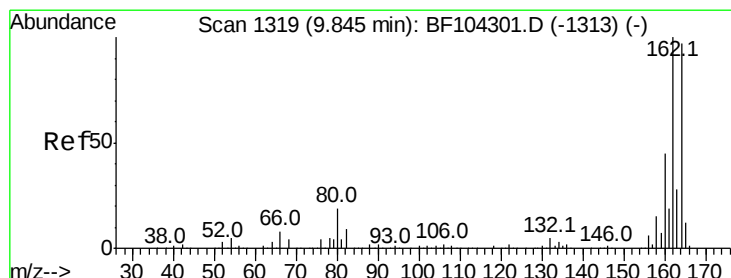
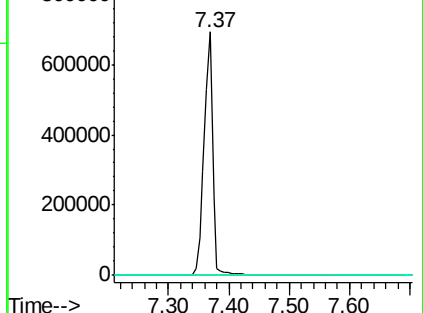
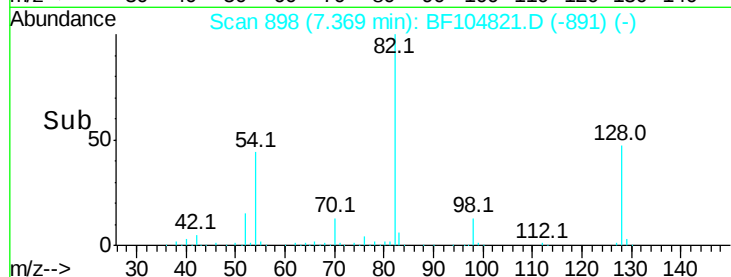
138 0.0 14.9 22.3#



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: BF104821.D

Acq: 26 Apr 2018 7:00

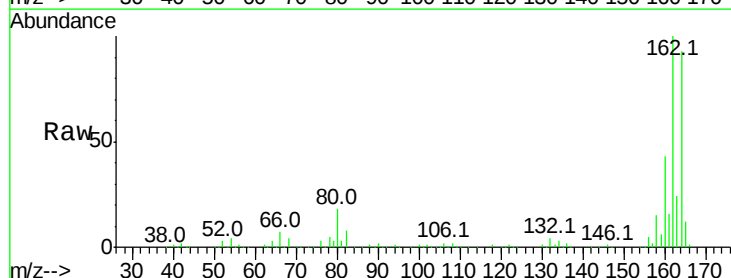
Tgt Ion:164 Resp: 195691

Ion Ratio Lower Upper

164 100

162 107.0 86.1 129.1

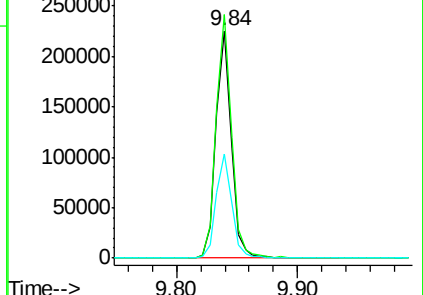
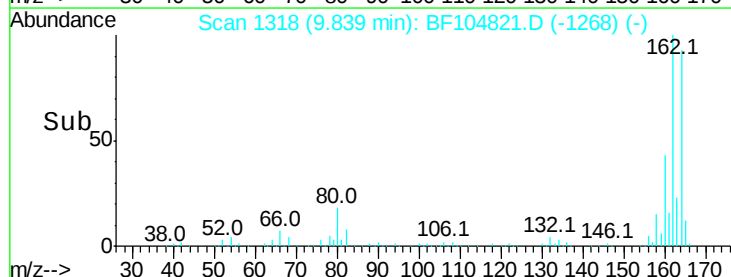
160 46.0 38.3 57.5



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

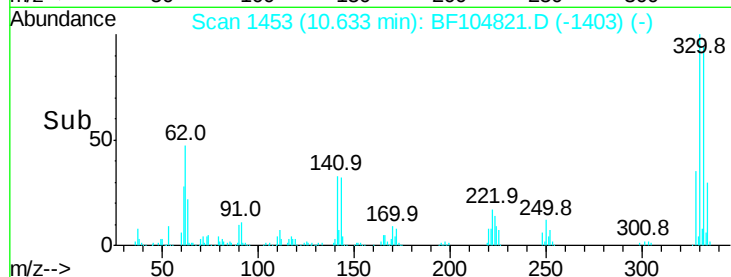
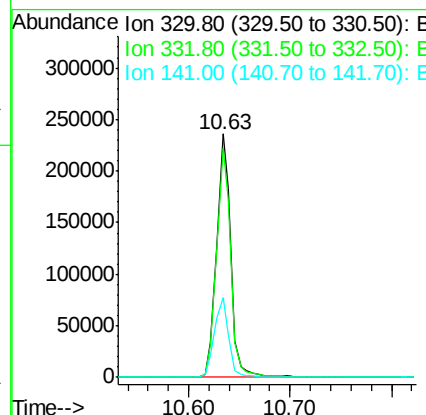
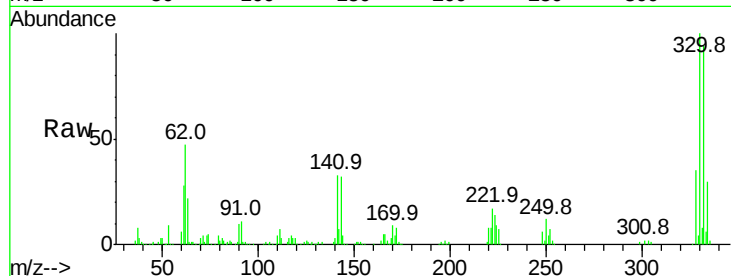




#41
 2,4,6-Tribromophenol
 Concen: 113.635 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

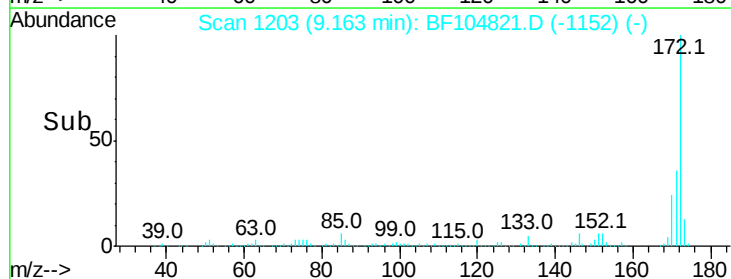
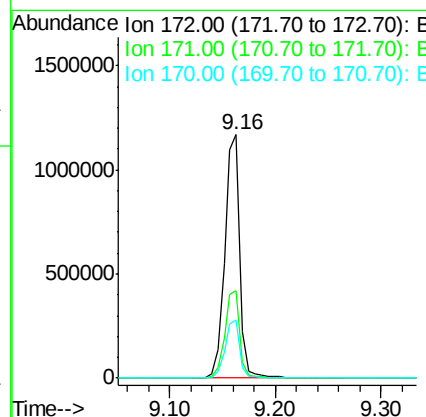
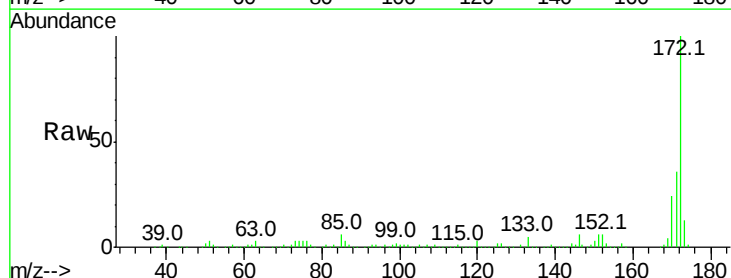
Instrument :
 BNA_F
 ClientSampleId :

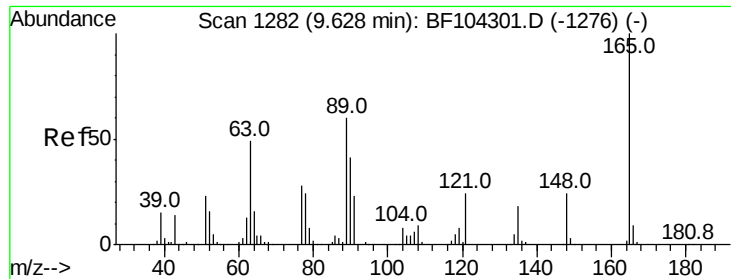
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	33.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 94.351 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	19.6	29.4

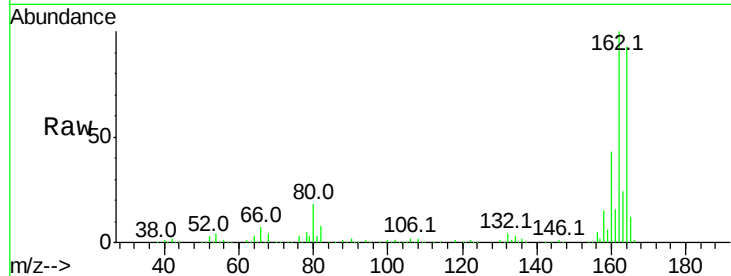




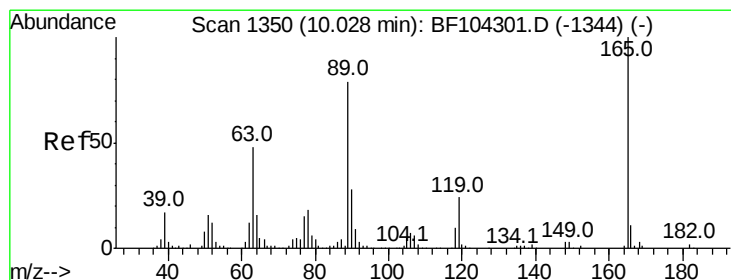
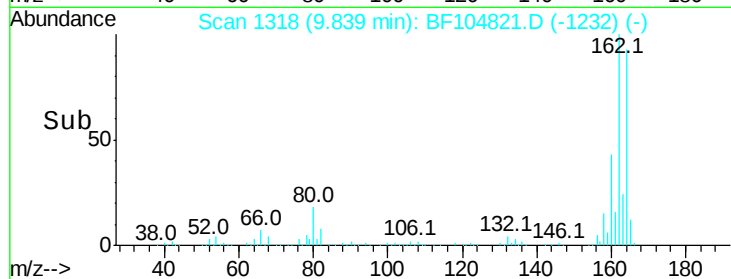
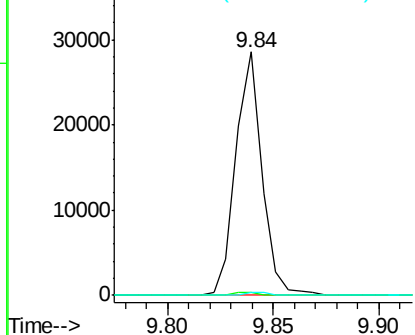
#50
 2,6-Dinitrotoluene
 Concen: 8.592 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.2	44.0	66.0#

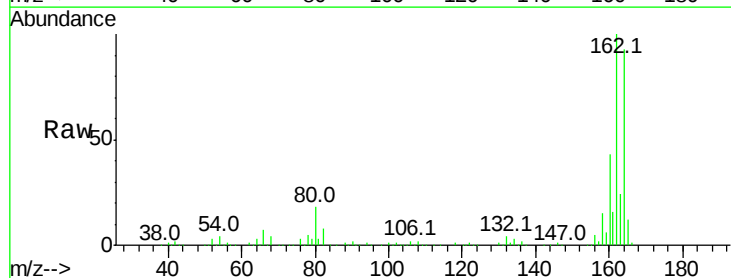


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

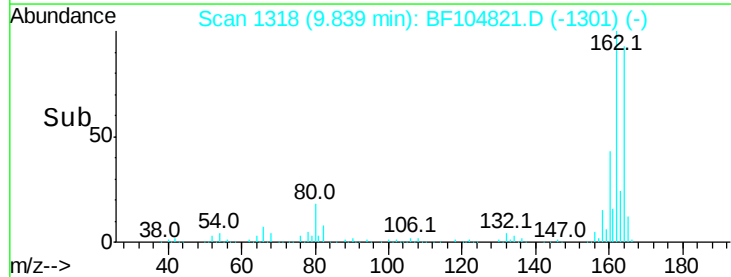
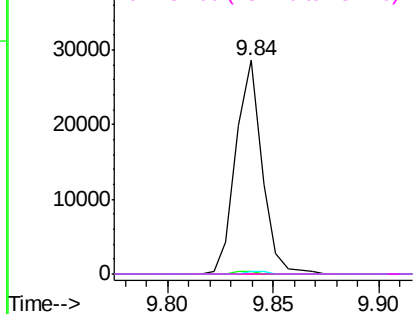


#56
 2,4-Dinitrotoluene
 Concen: 6.550 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.2	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

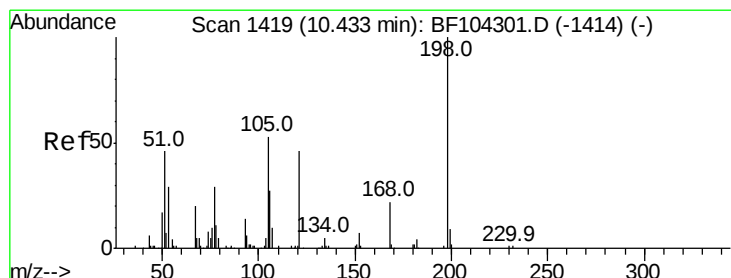
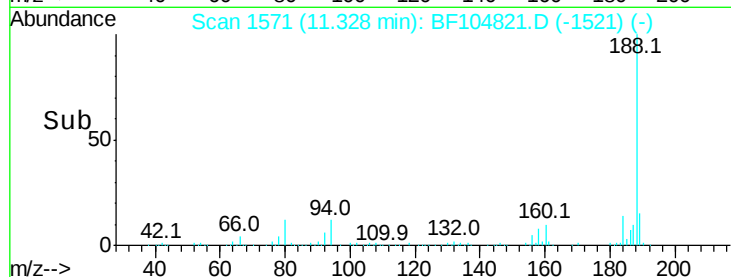
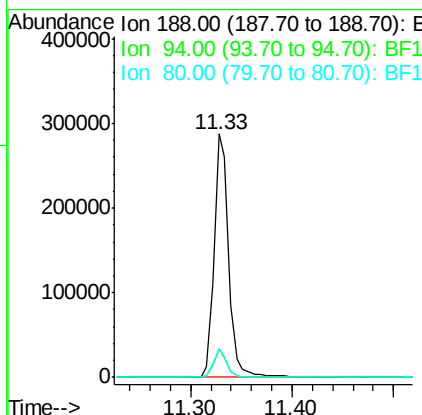
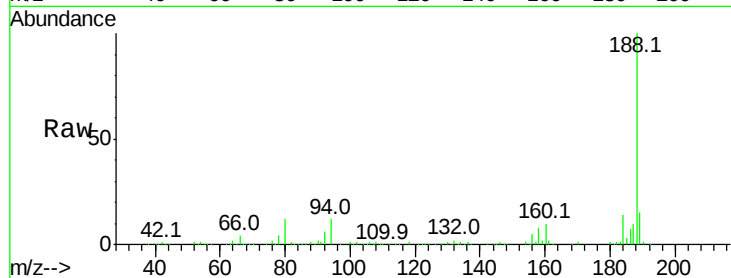




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104821.D
Acq: 26 Apr 2018 7:00

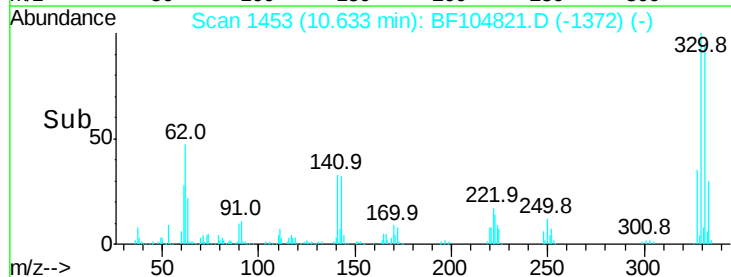
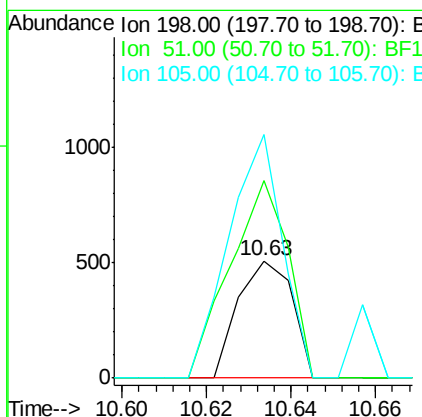
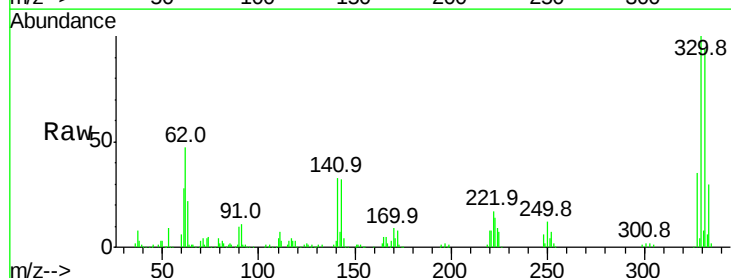
Instrument :
BNA_F
ClientSampleId :

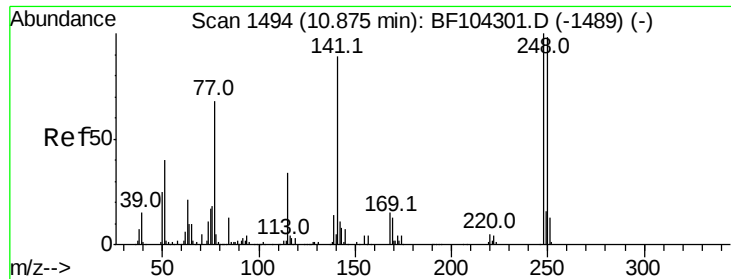
Tot Ion:188 Resp: 286980
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 11.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.621 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104821.D
Acq: 26 Apr 2018 7:00

Tgt Ion:198 Resp: 452
Ion Ratio Lower Upper
198 100
51 169.2 37.7 77.7#
105 208.1 36.3 76.3#

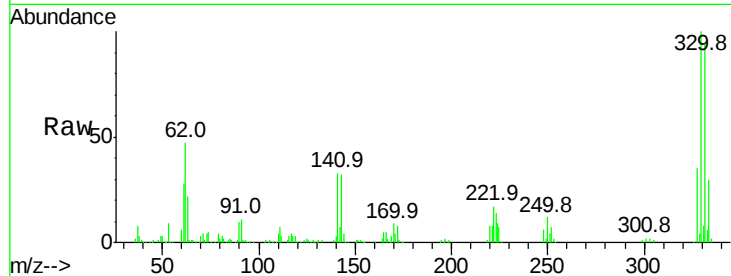




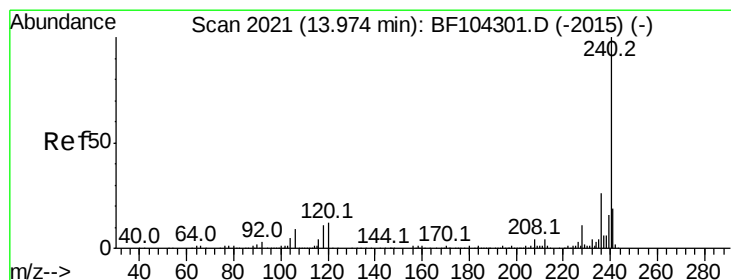
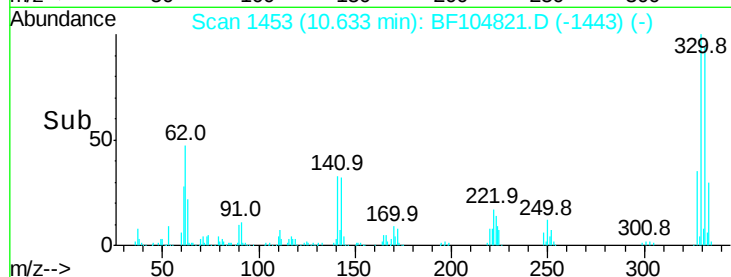
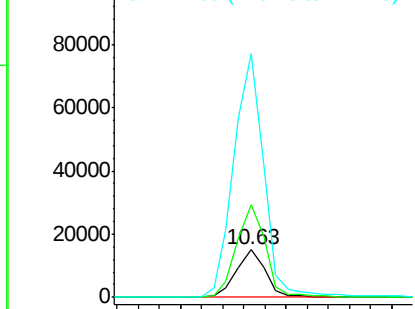
#66
 4-Bromophenyl-phenylether
 Concen: 4.719 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14405
 Ion Ratio Lower Upper
 248 100
 250 196.3 76.9 115.3#
 141 515.1 74.4 111.6#

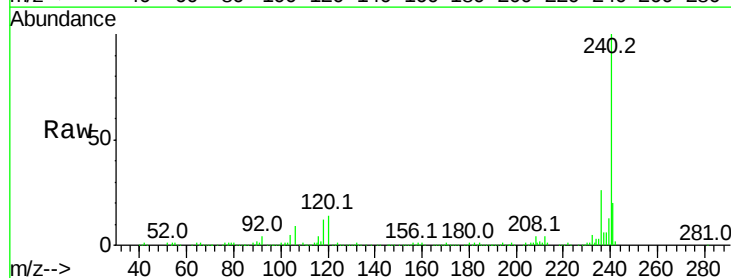


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

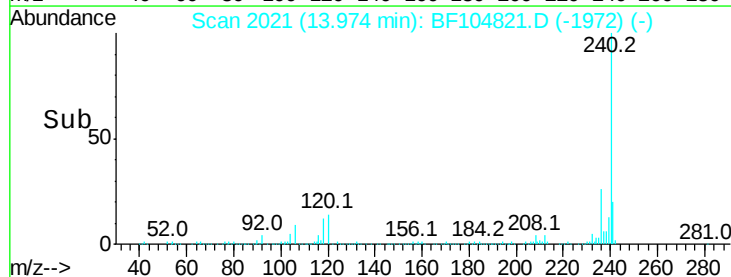
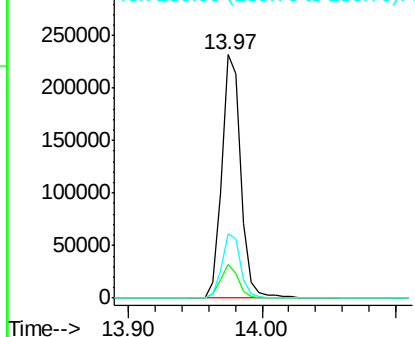


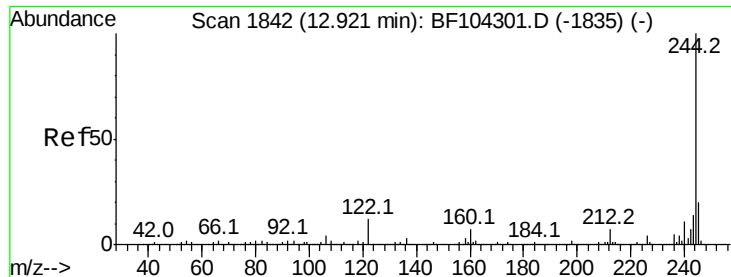
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

Tgt Ion:240 Resp: 235162
 Ion Ratio Lower Upper
 240 100
 120 13.7 9.5 14.3
 236 26.5 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

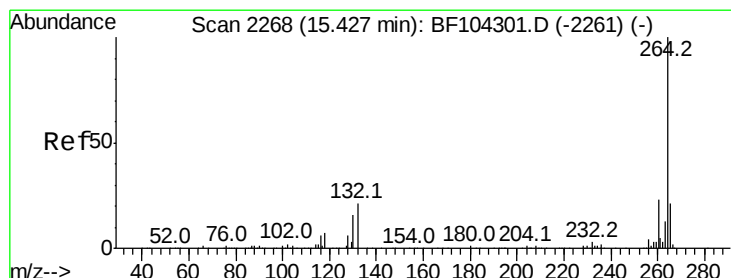
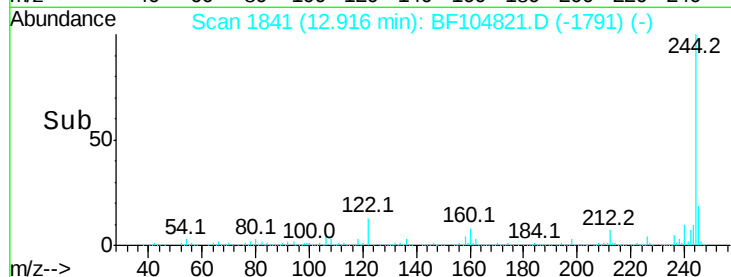
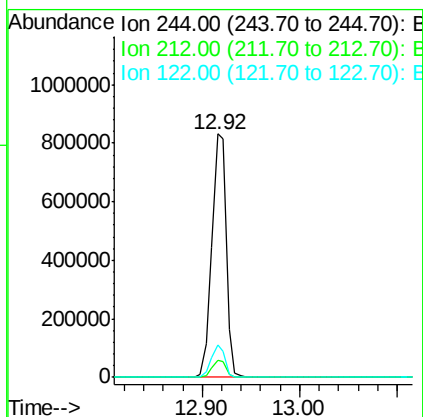
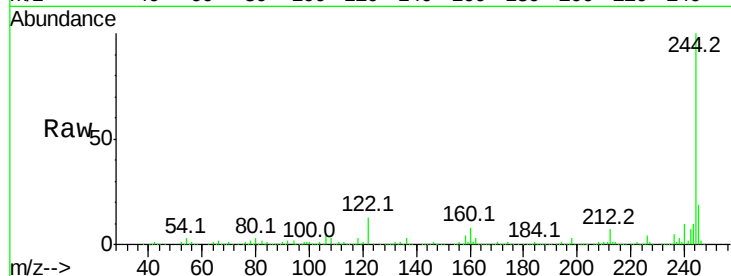




#78
 Terphenyl-d14
 Concen: 82.592 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 851932
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.3 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104821.D
 Acq: 26 Apr 2018 7:00

Tgt Ion:264 Resp: 180149
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.8 17.5 26.3

