

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104331.D
 Acq On : 7 Apr 2018 2:47
 Operator : JU/SJ
 Sample : PB108001BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 07 05:42:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

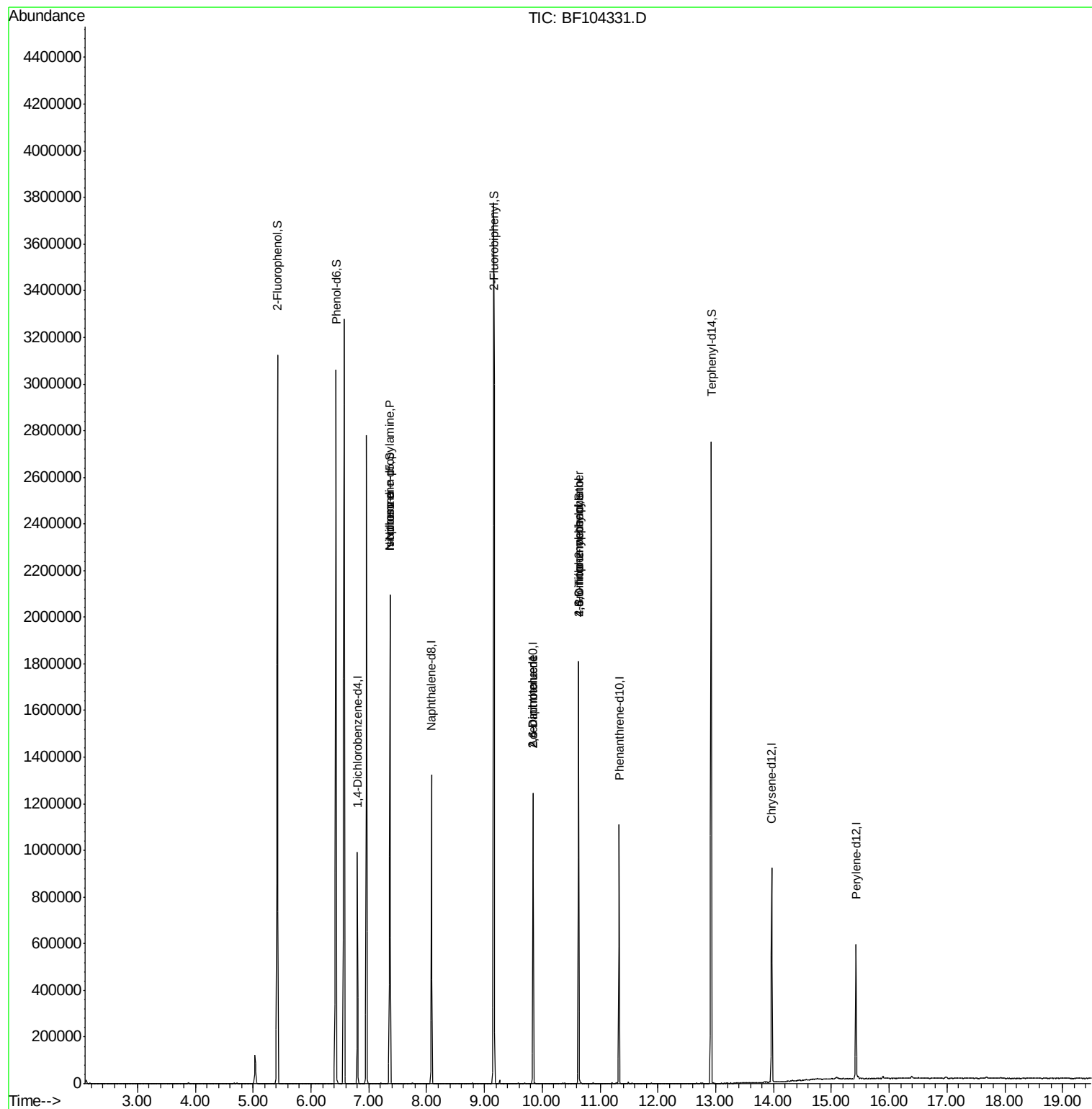
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	135587	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	542142	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	235065	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	353654	20.00	ng	0.00
75) Chrysene-d12	13.97	240	273266	20.00	ng	0.00
86) Perylene-d12	15.43	264	248460	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1000822	112.87	ng	0.02
7) Phenol-d6	6.43	99	1219734	111.95	ng	0.00
23) Nitrobenzene-d5	7.37	82	738554	88.95	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	237009	97.20	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1304004	87.64	ng	0.00
78) Terphenyl-d14	12.92	244	933315	77.87	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1851	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	97321	13.670 ng	#	73
25) Isophorone	7.37	82	737679	42.016 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	29863	8.706 ng	#	25
56) 2,4-Dinitrotoluene	9.84	165	29863	6.637 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.63	198	337	7.513 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	14480	3.849 ng	#	1
76) Benzydine	12.92	184	11803	Below Cal		97

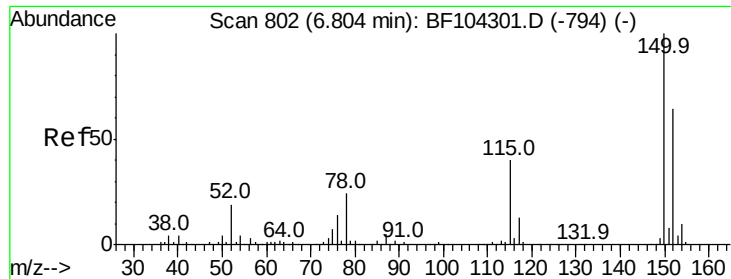
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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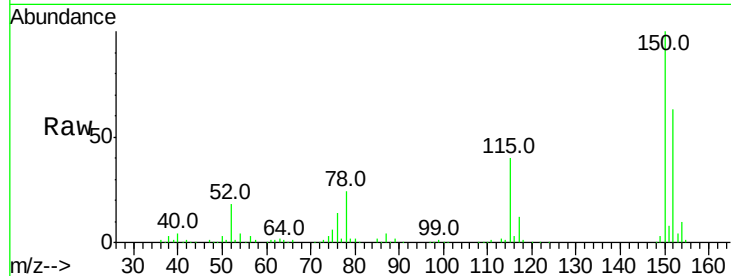


#1

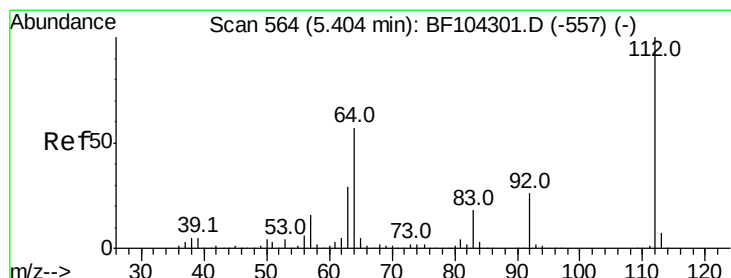
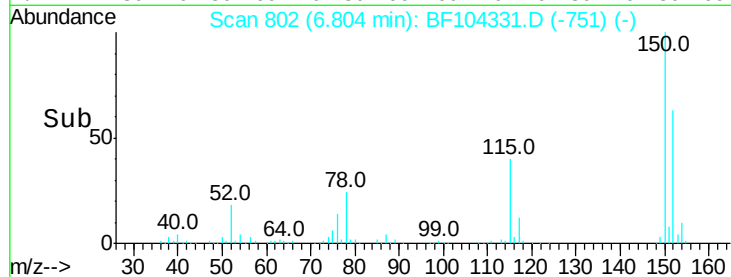
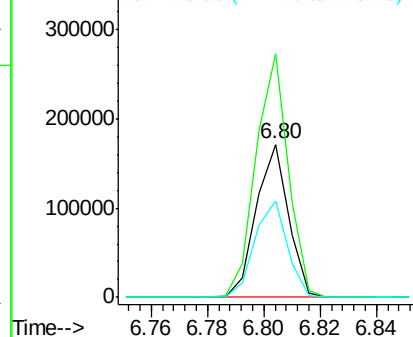
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104331.D
Acq: 7 Apr 2018 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135587
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 63.2 50.1 75.1



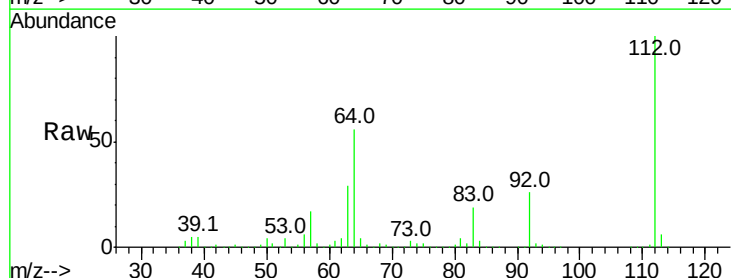
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



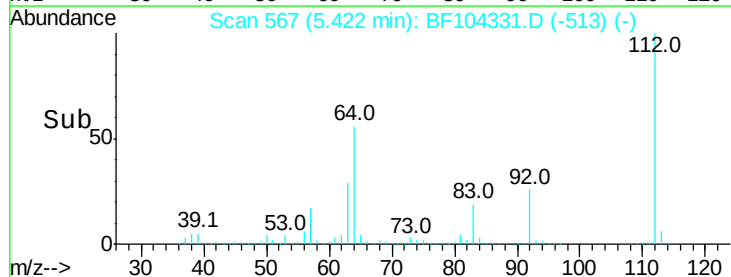
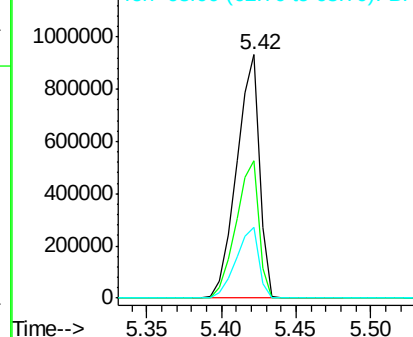
#5

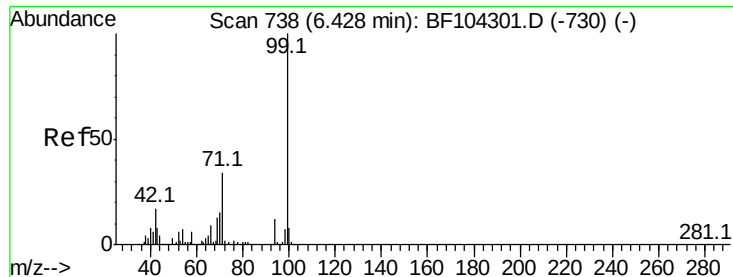
2-Fluorophenol
Concen: 112.866 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF104331.D
Acq: 7 Apr 2018 2:47

Tgt Ion:112 Resp: 1000822
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 29.3 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: 111.952 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104331.D

Acq: 7 Apr 2018 2:47

Instrument :

BNA_F

ClientSampleId :

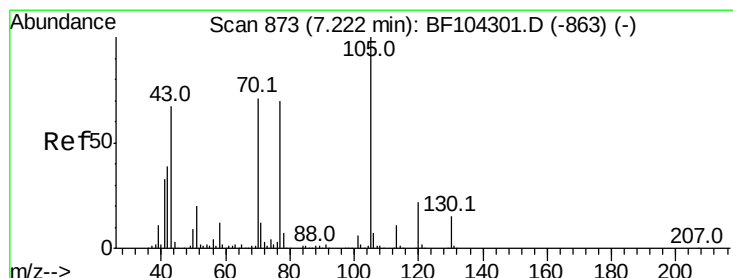
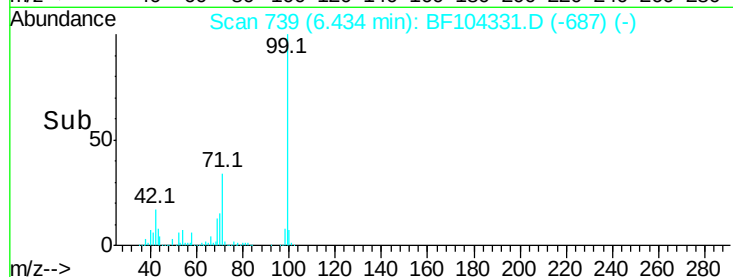
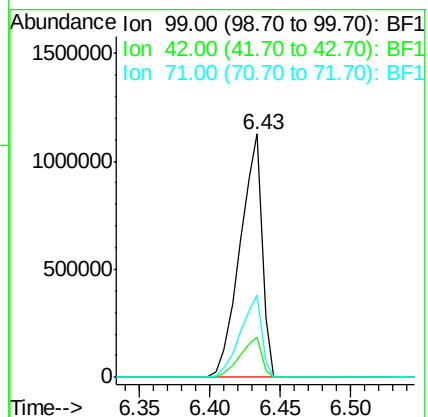
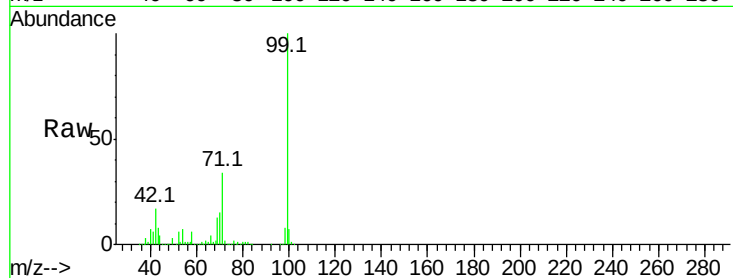
Tot Ion: 99 Resp: 1219734

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

71 33.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.670 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104331.D

Acq: 7 Apr 2018 2:47

Tgt Ion: 70 Resp: 97321

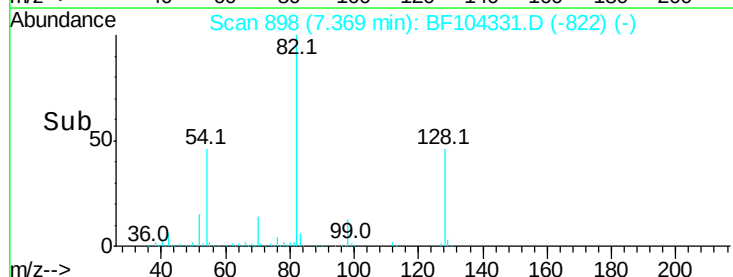
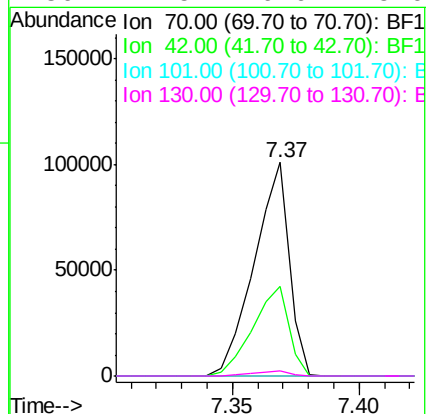
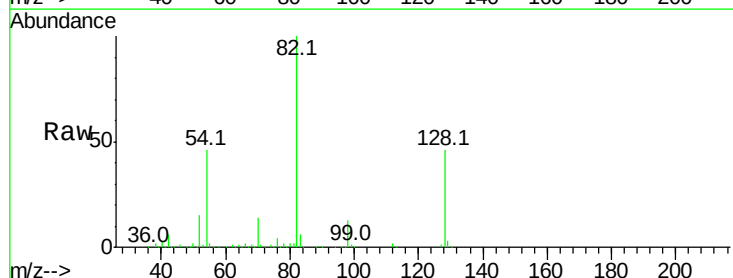
Ion Ratio Lower Upper

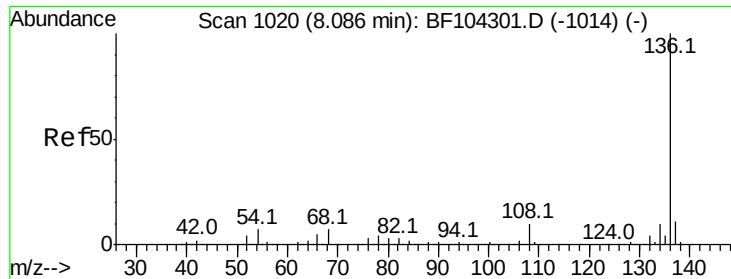
70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

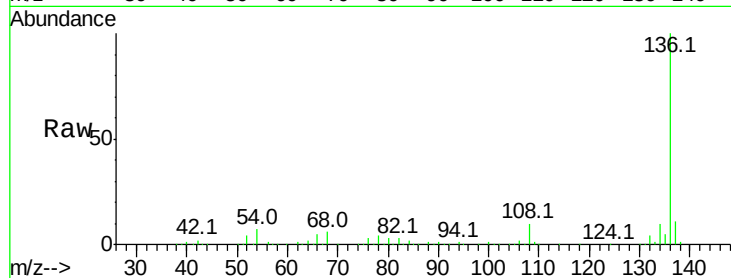




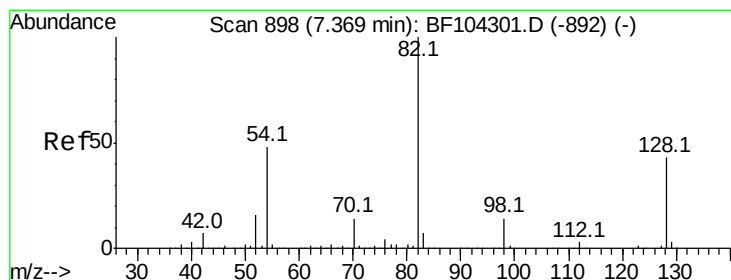
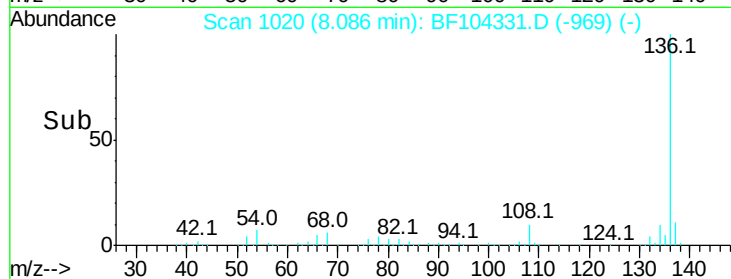
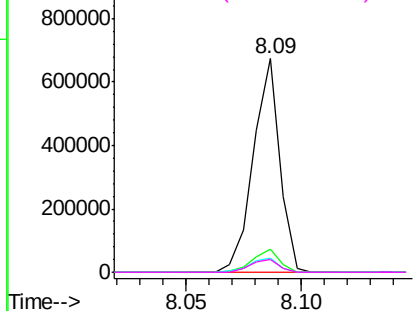
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104331.D
Acq: 7 Apr 2018 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	542142
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.9	6.6	9.8
68	6.1	5.0	7.4

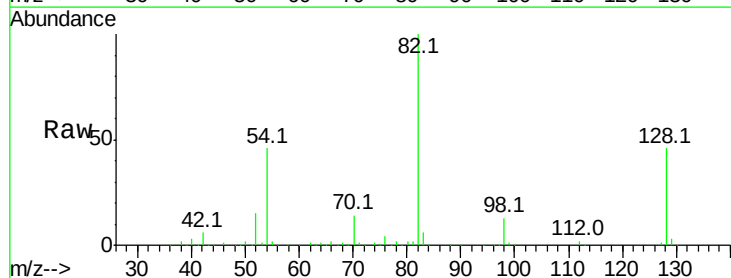


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

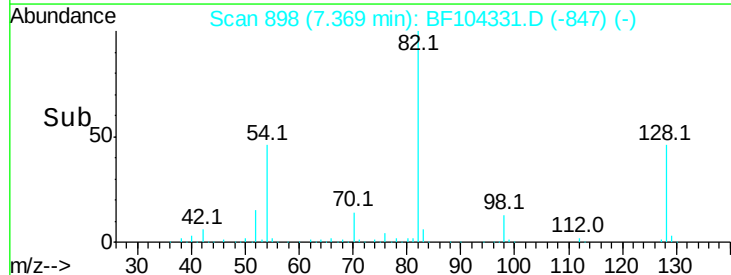
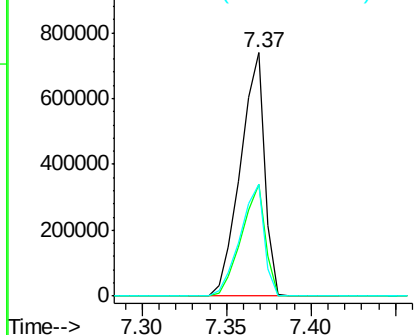


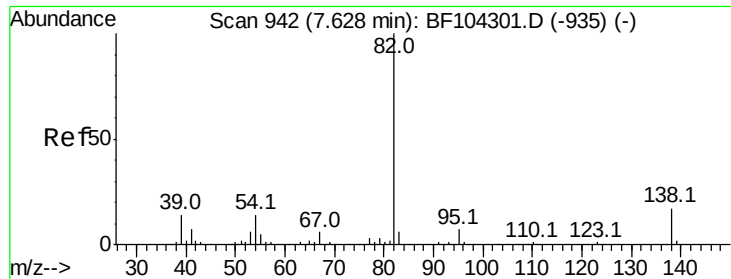
#23
Nitrobenzene-d5
Concen: 88.955 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104331.D
Acq: 7 Apr 2018 2:47

Tgt Ion:	82	Resp:	738554
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	45.9	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: 42.016 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104331.D

Acq: 7 Apr 2018 2:47

Instrument :

BNA_F

ClientSampleId :

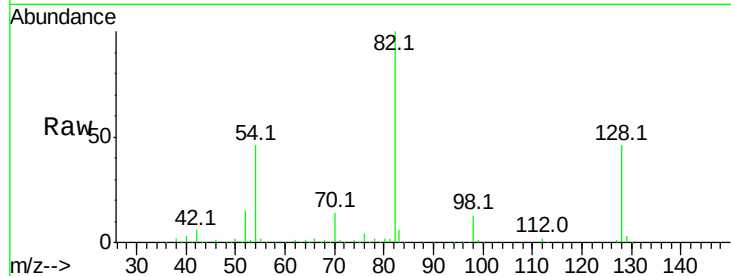
Tot Ion: 82 Resp: 737679

Ion Ratio Lower Upper

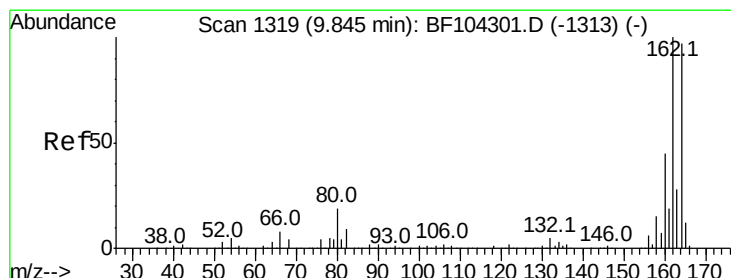
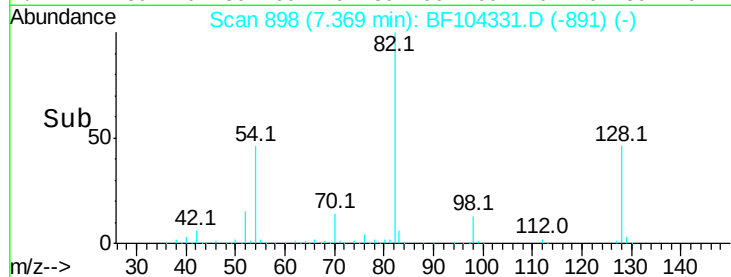
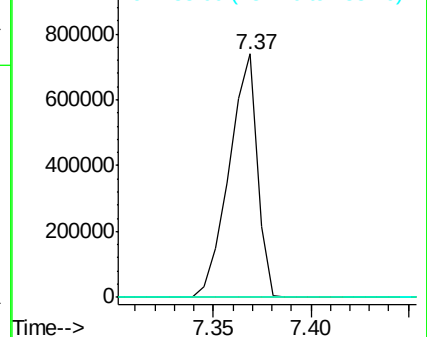
82 100

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: BF104331.D

Acq: 7 Apr 2018 2:47

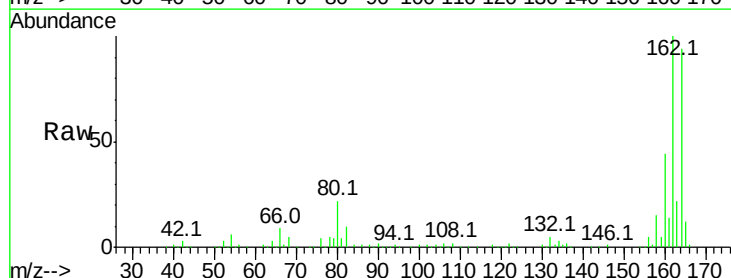
Tgt Ion: 164 Resp: 235065

Ion Ratio Lower Upper

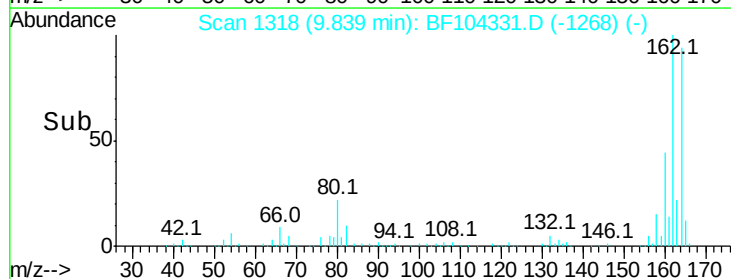
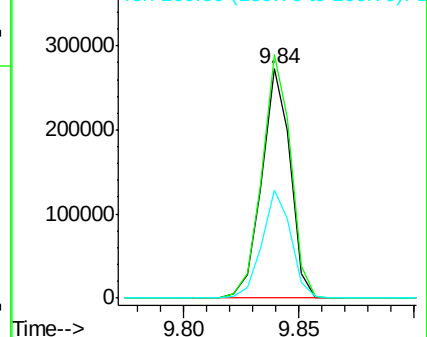
164 100

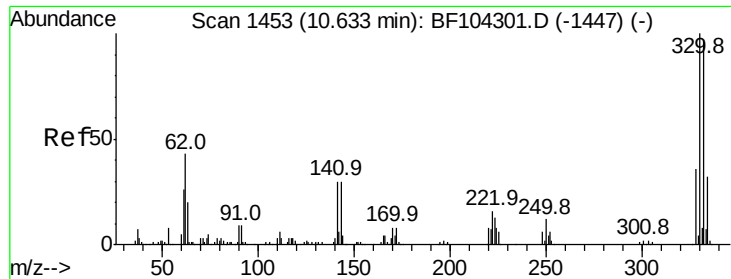
162 106.1 86.1 129.1

160 47.1 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

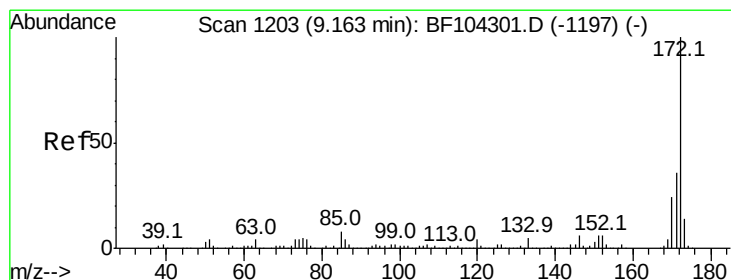
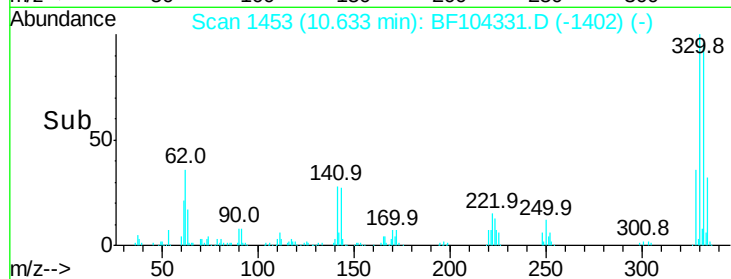
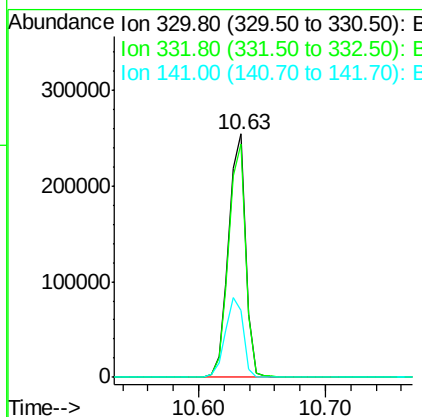
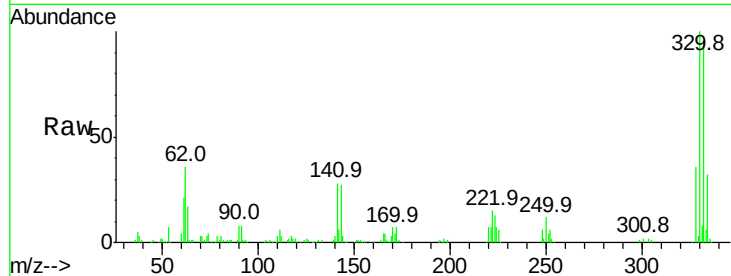




#41
 2,4,6-Tribromophenol
 Concen: 97.199 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

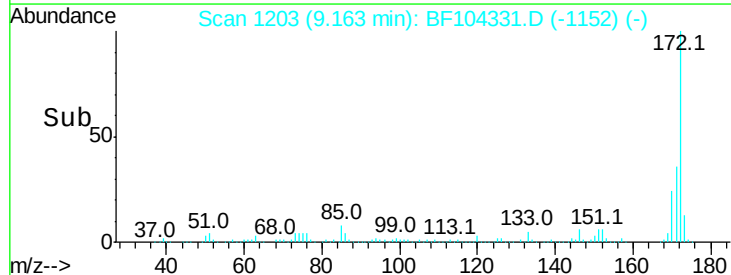
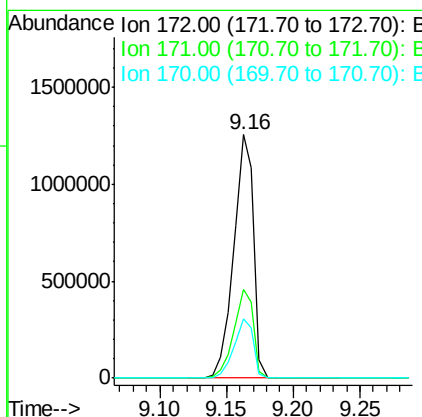
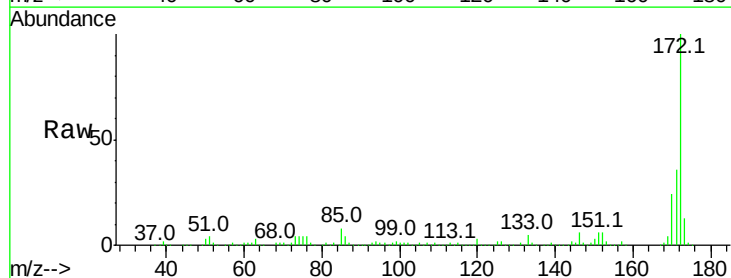
Instrument :
 BNA_F
 ClientSampleId :

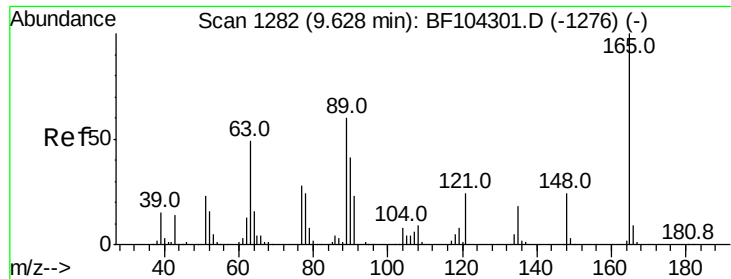
Tot Ion:330 Resp: 237009
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 34.4 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 87.635 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

Tgt Ion:172 Resp: 1304004
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.5 19.6 29.4

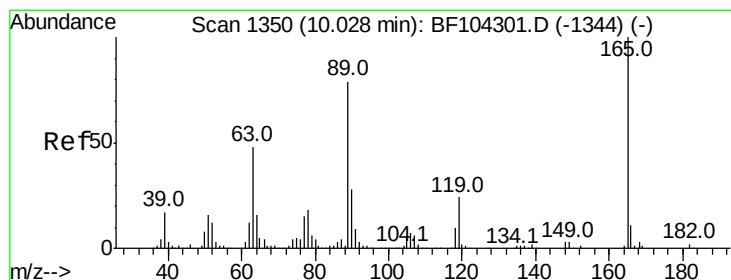
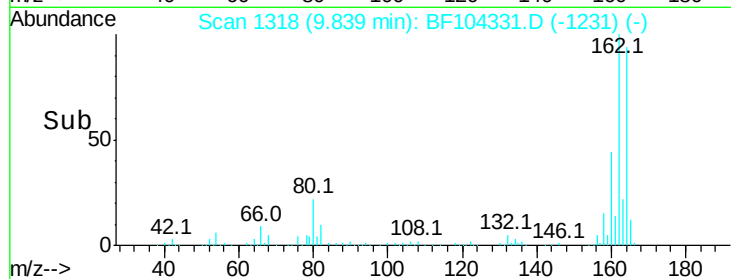
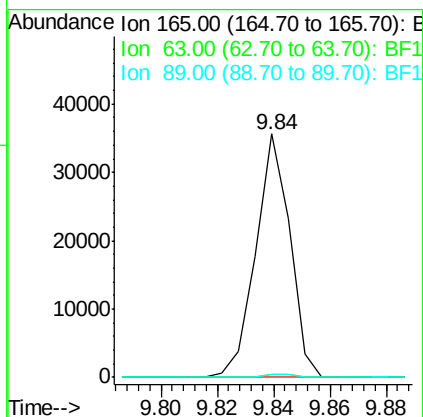
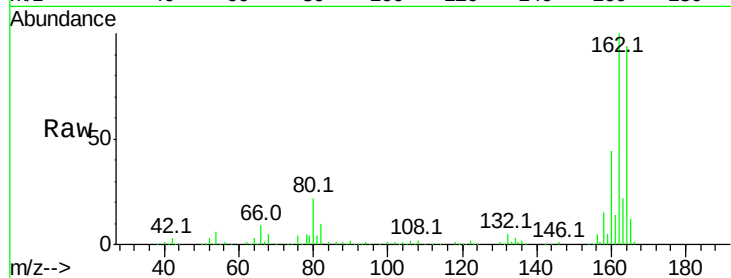




#50
 2,6-Dinitrotoluene
 Concen: 8.706 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

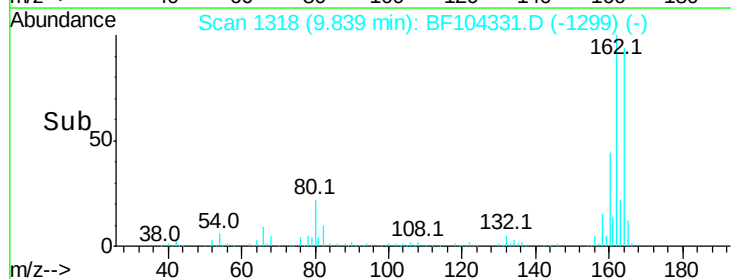
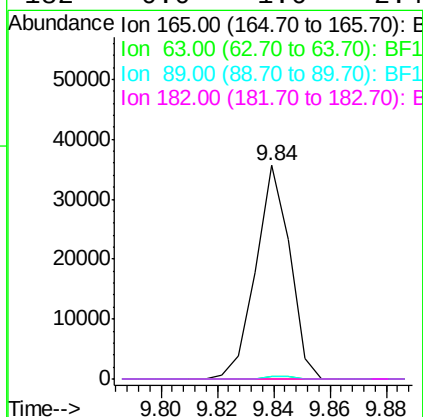
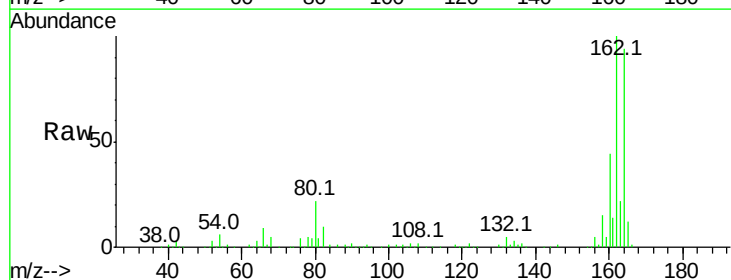
Instrument :
 BNA_F
 ClientSampleId :

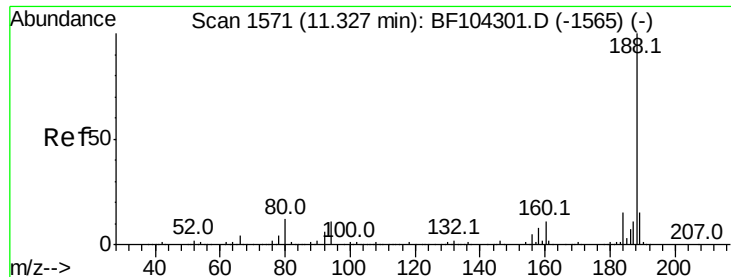
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.637 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

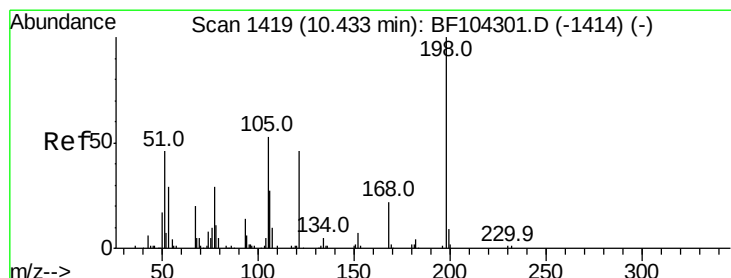
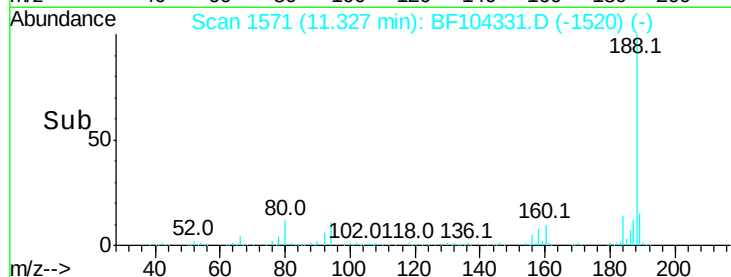
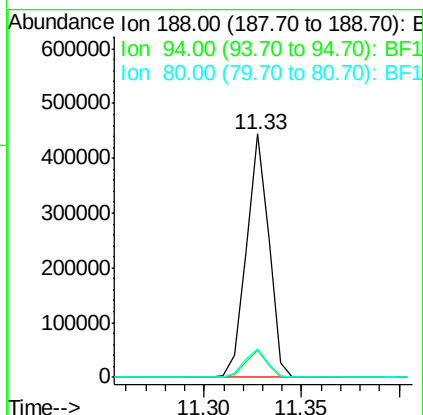
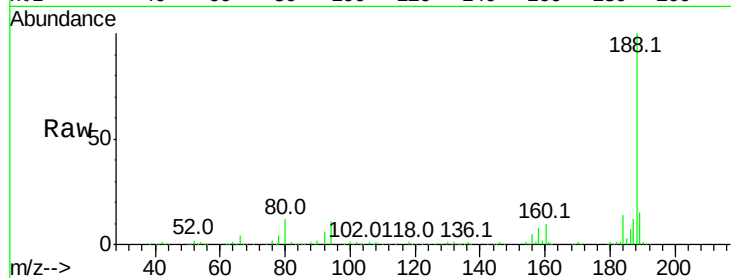




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

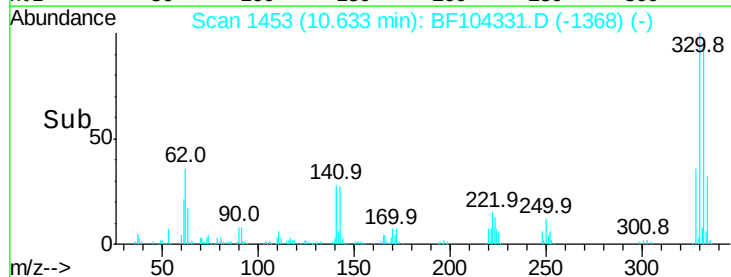
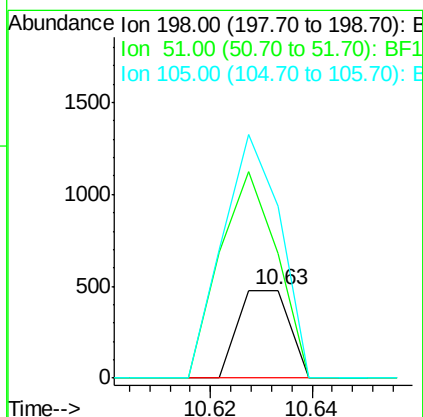
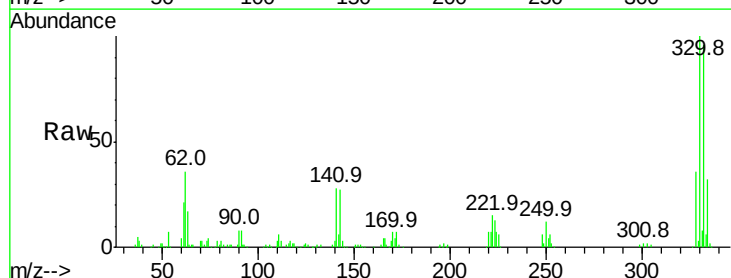
Instrument :
 BNA_F
 ClientSampleId :

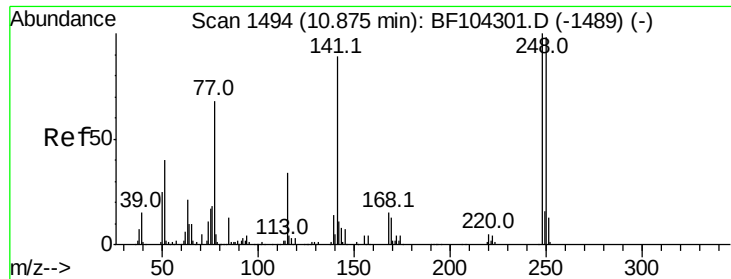
Tot Ion:188 Resp: 353654
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 11.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.513 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.20 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

Tgt Ion:198 Resp: 337
 Ion Ratio Lower Upper
 198 100
 51 142.0 37.7 77.7#
 105 196.0 36.3 76.3#

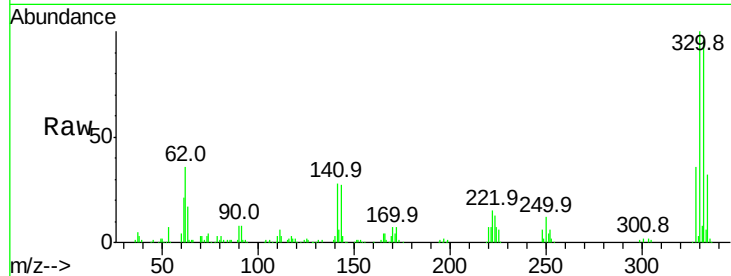




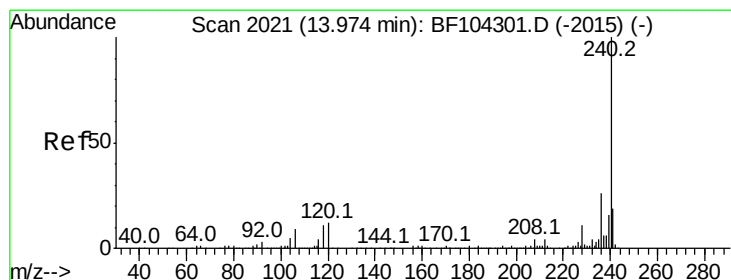
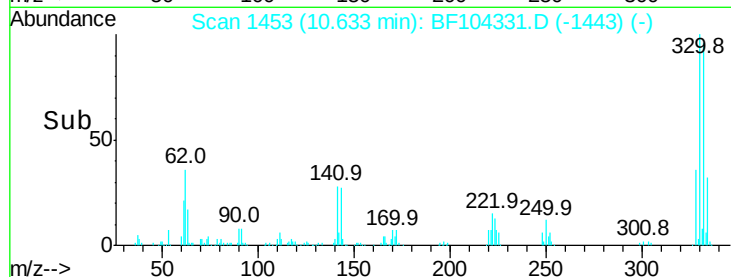
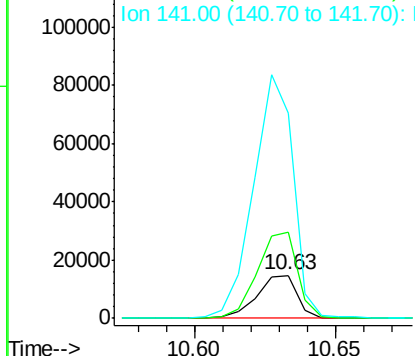
#66
4-Bromophenyl-phenylether
Concen: 3.849 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104331.D
Acq: 7 Apr 2018 2:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14480
Ion Ratio Lower Upper
248 100
250 199.4 76.9 115.3#
141 473.7 74.4 111.6#

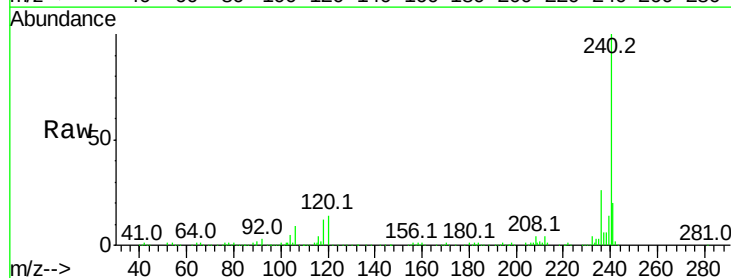


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

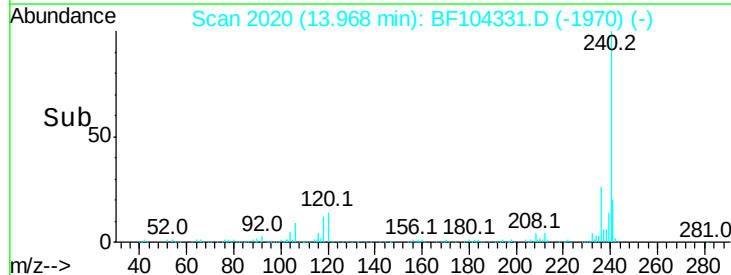
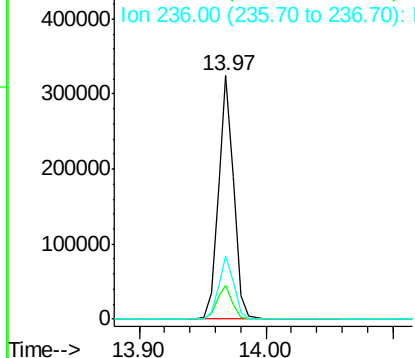


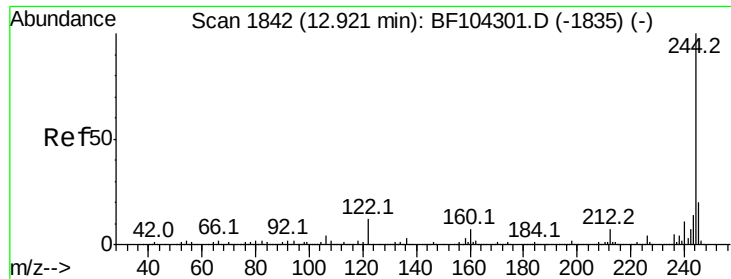
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104331.D
Acq: 7 Apr 2018 2:47

Tgt Ion:240 Resp: 273266
Ion Ratio Lower Upper
240 100
120 13.7 9.5 14.3
236 25.8 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

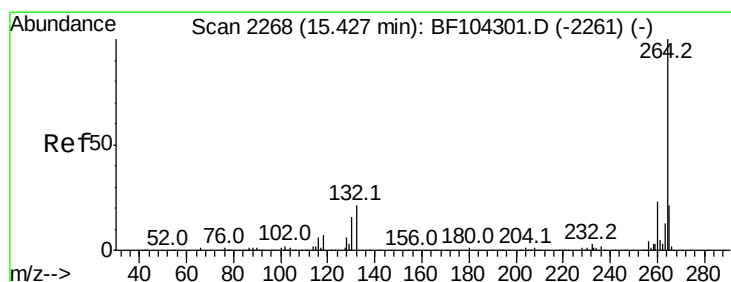
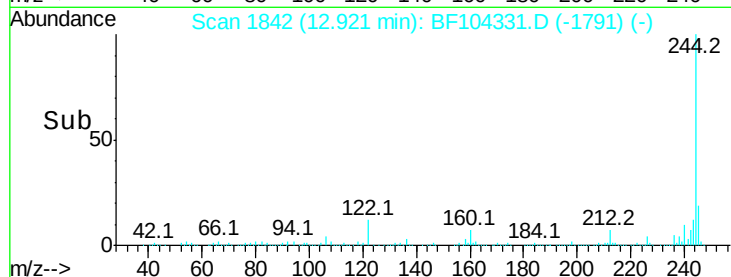
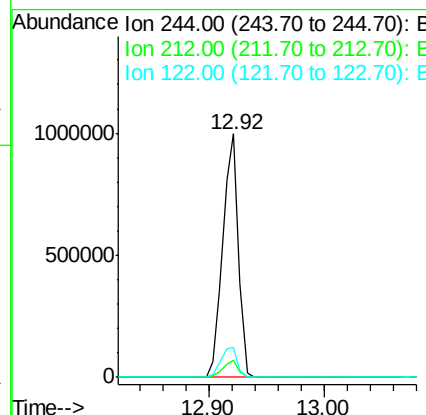
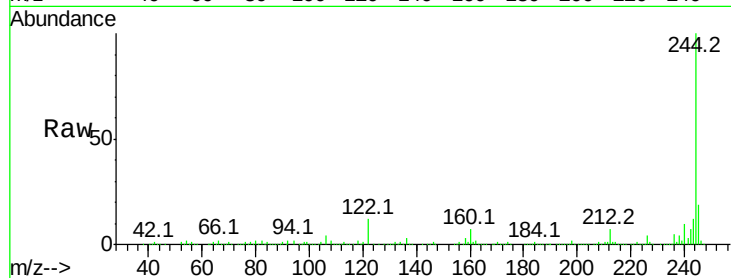




#78
 Terphenyl-d14
 Concen: 77.865 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 933315
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF104331.D
 Acq: 7 Apr 2018 2:47

Tgt Ion:264 Resp: 248460
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.0 17.5 26.3

