

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104515.D
 Acq On : 14 Apr 2018 9:45
 Operator : JU/SJ
 Sample : J2368-09
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:41:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

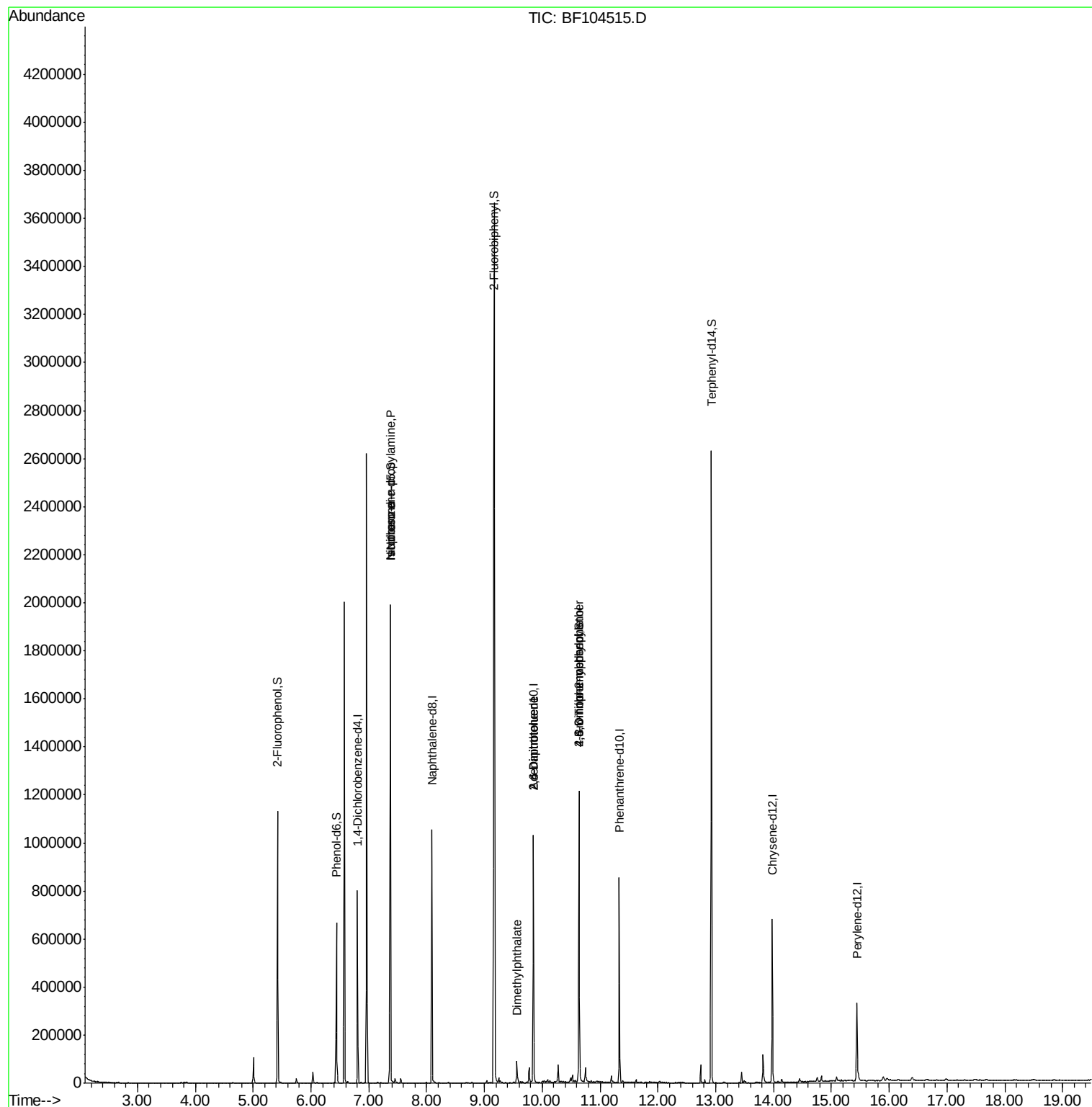
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	117795	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	471646	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	195037	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	285580	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	224148	20.00	ng	-0.01
86) Perylene-d12	15.44	264	156079	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	308627	40.06	ng	0.00
7) Phenol-d6	6.44	99	225995	23.88	ng	0.00
23) Nitrobenzene-d5	7.37	82	705964	97.74	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	154030	76.13	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1204141	97.53	ng	0.00
78) Terphenyl-d14	12.93	244	888960	90.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	92279	14.919	ng	# 74
25) Isophorone	7.37	82	705951	46.219	ng	# 64
49) Dimethylphthalate	9.56	163	38161	2.481	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	23999	8.433	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	23999	6.429	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	333	7.550	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9030	2.973	ng	# 1
76) Benzidine	12.93	184	11569	Below Cal		97

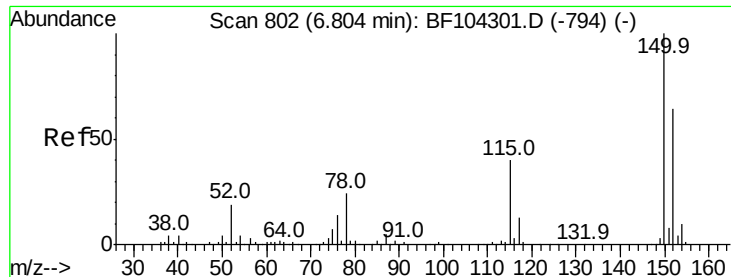
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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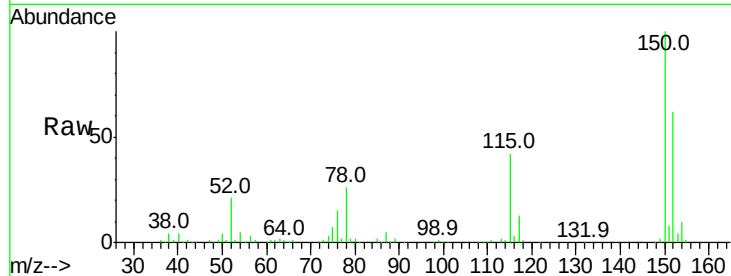


#1

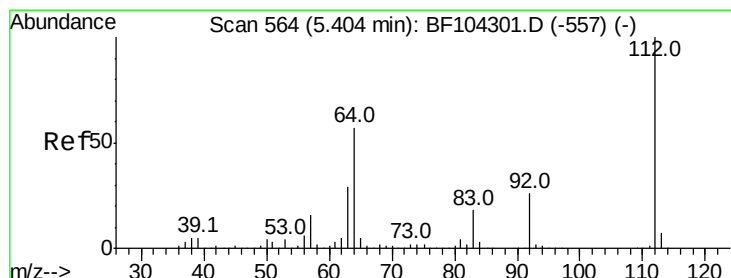
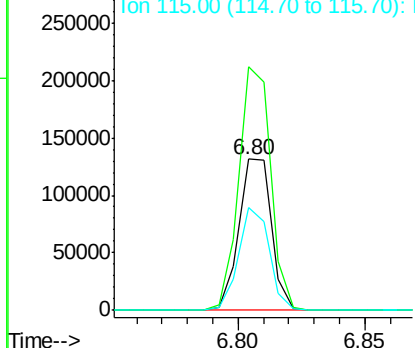
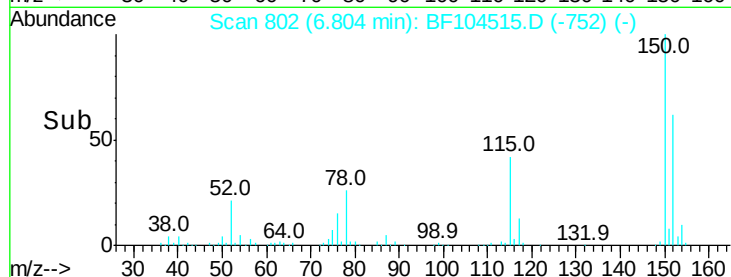
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104515.D
Acq: 14 Apr 2018 9:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 117795
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 67.8 50.1 75.1



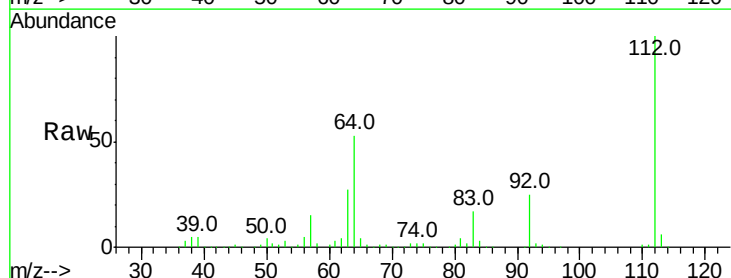
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



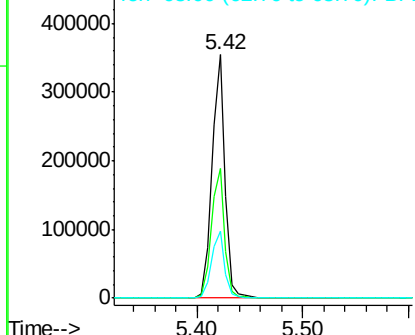
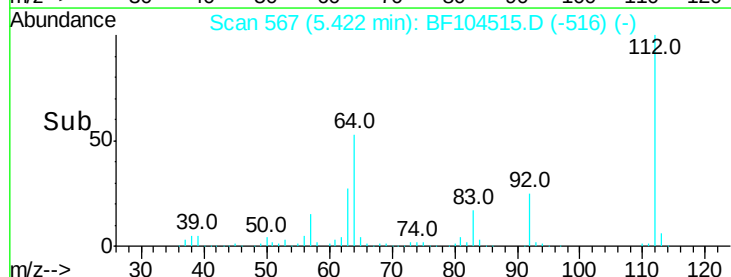
#5

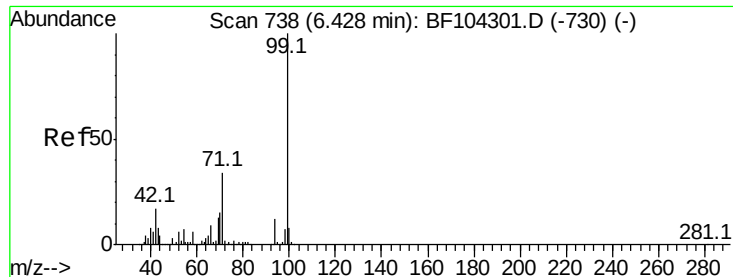
2-Fluorophenol
Concen: 40.062 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104515.D
Acq: 14 Apr 2018 9:45

Tgt Ion:112 Resp: 308627
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 27.3 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: 23.876 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

Instrument :

BNA_F

ClientSampleId :

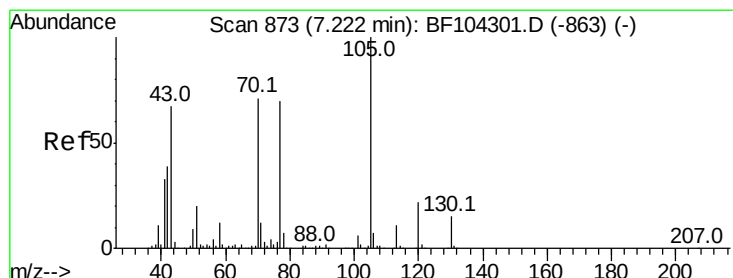
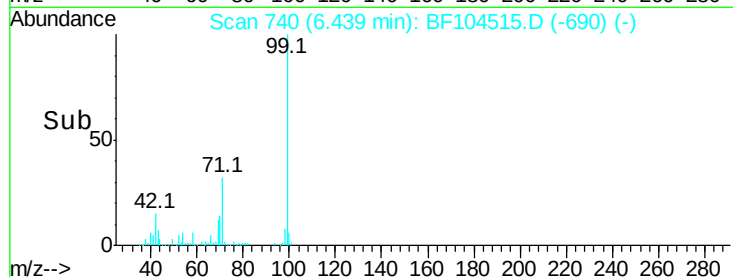
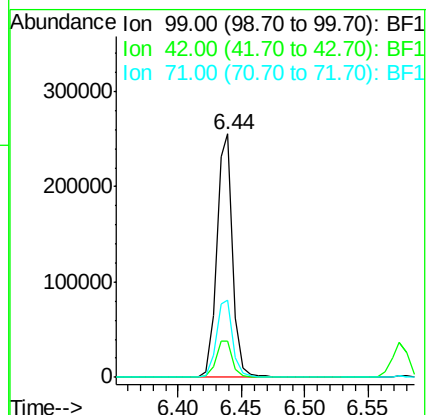
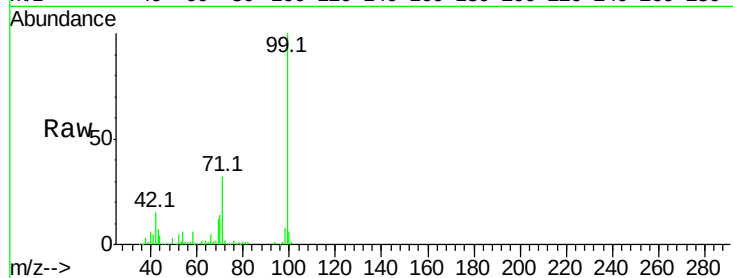
Tot Ion: 99 Resp: 225995

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.919 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

Tgt Ion: 70 Resp: 92279

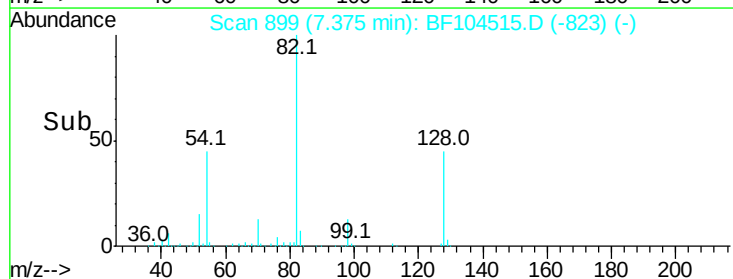
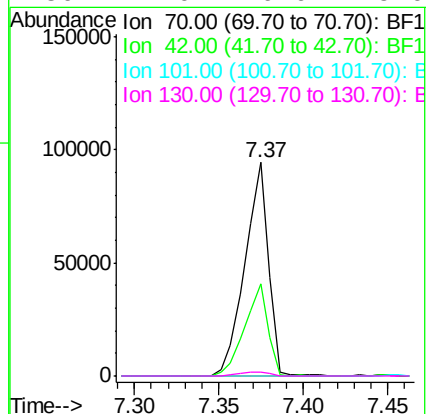
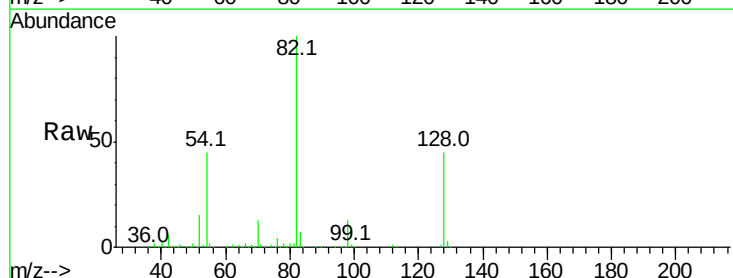
Ion Ratio Lower Upper

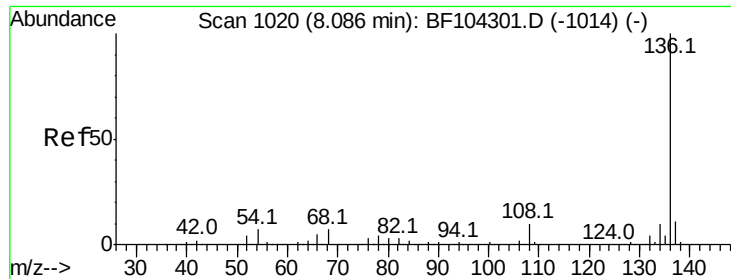
70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

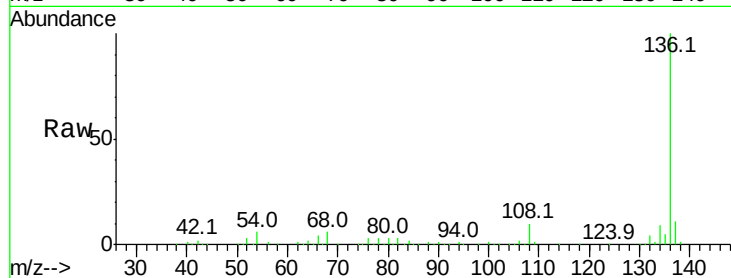




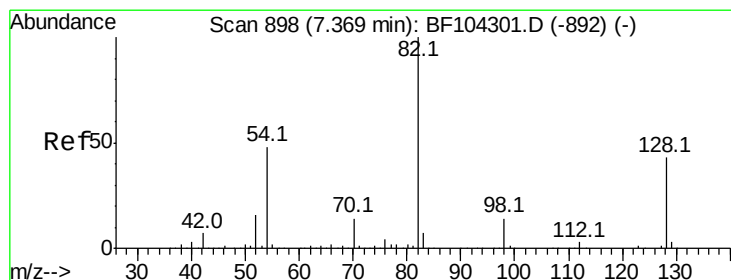
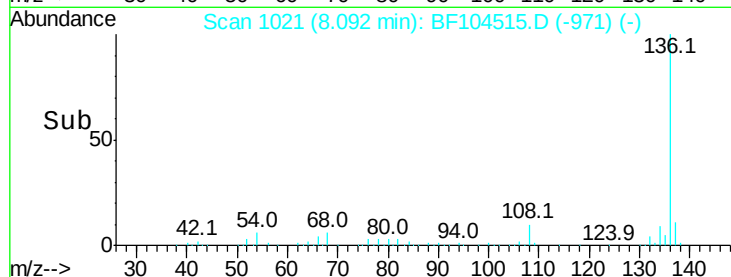
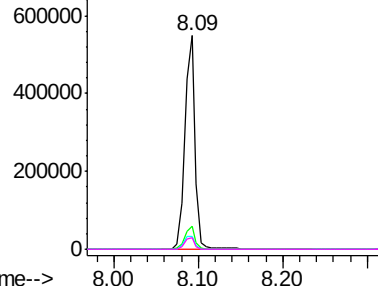
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104515.D
Acq: 14 Apr 2018 9:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	471646
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.3	6.6	9.8#
68	5.5	5.0	7.4

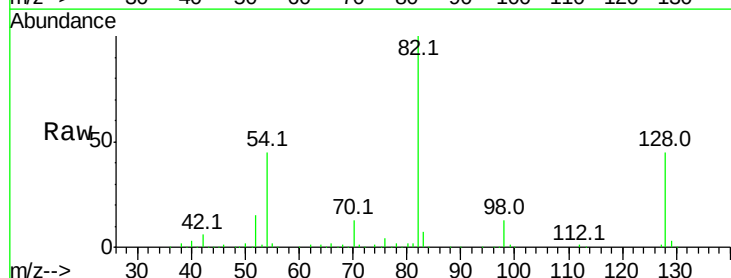


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

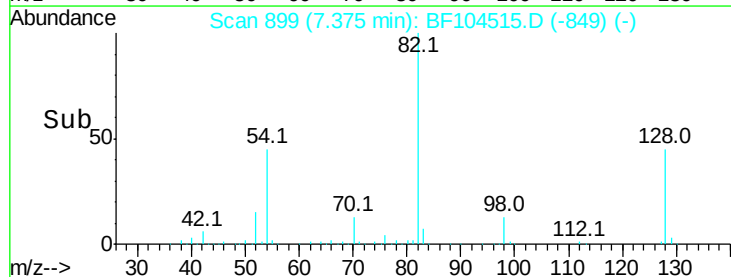
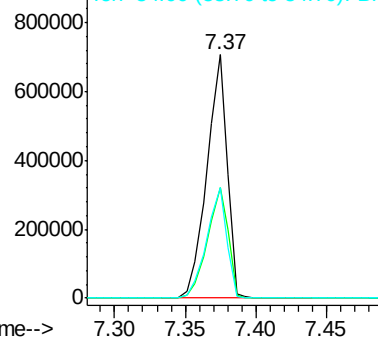


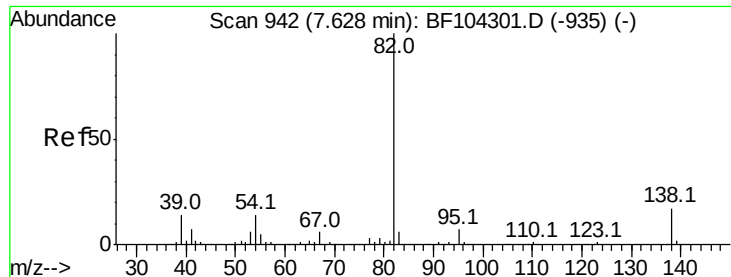
#23
Nitrobenzene-d5
Concen: 97.739 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104515.D
Acq: 14 Apr 2018 9:45

Tgt Ion:	82	Resp:	705964
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	45.4	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: 46.219 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

Instrument :

BNA_F

ClientSampleId :

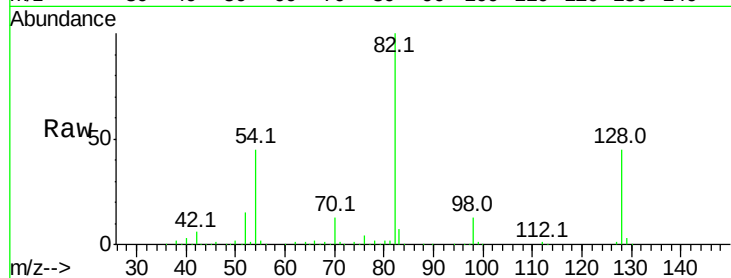
Tot Ion: 82 Resp: 705951

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

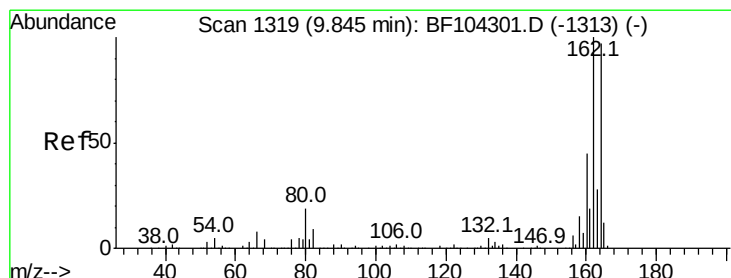
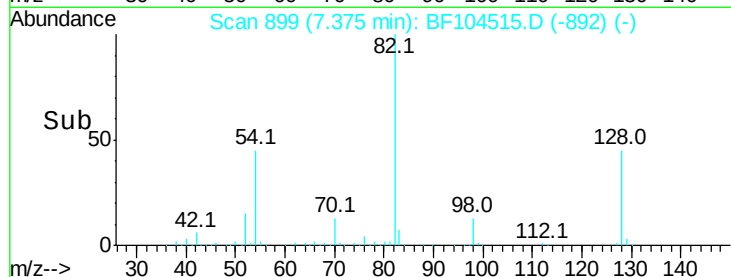
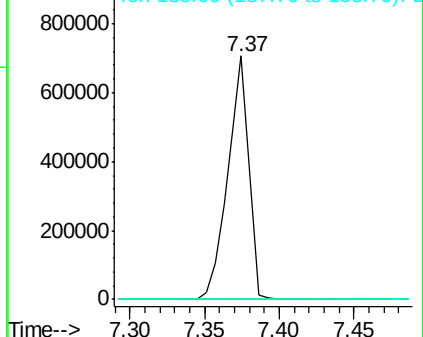
138 0.0 14.9 22.3#



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# 1319

Delta R.T. -0.01 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

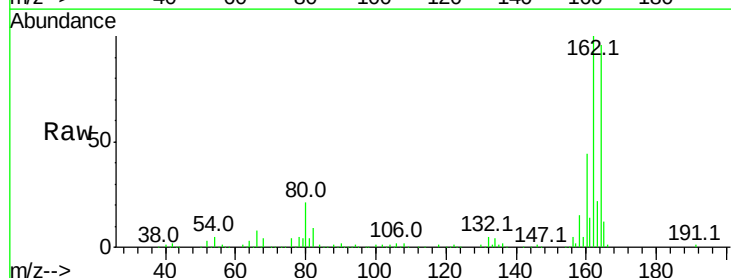
Tgt Ion:164 Resp: 195037

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

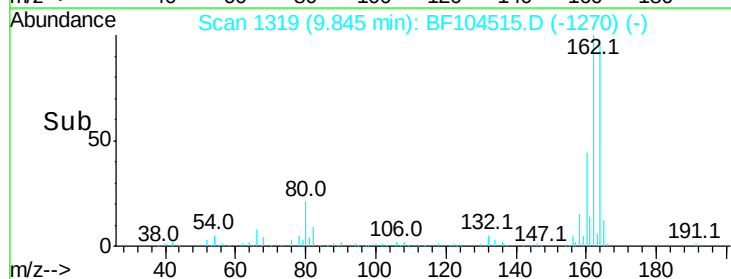
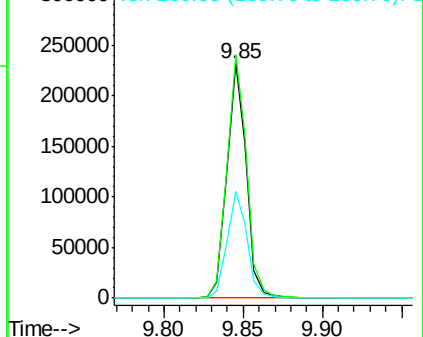
160 45.8 38.3 57.5

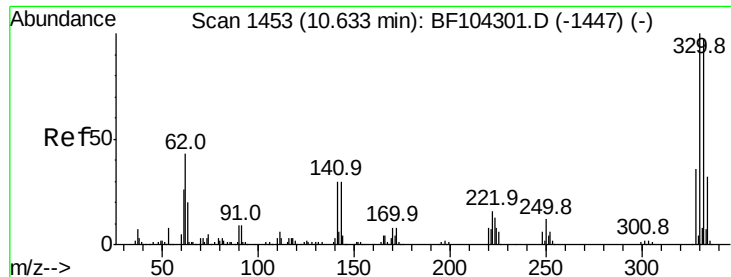


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

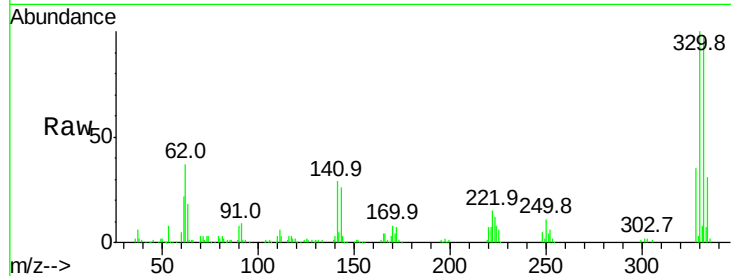




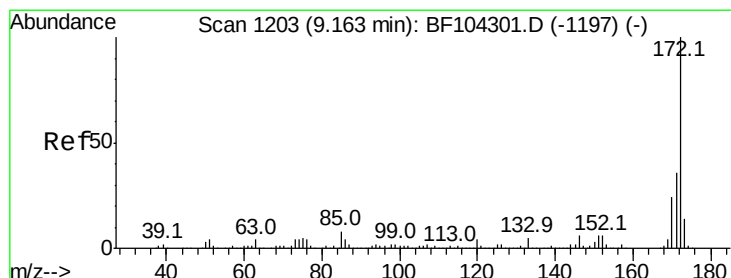
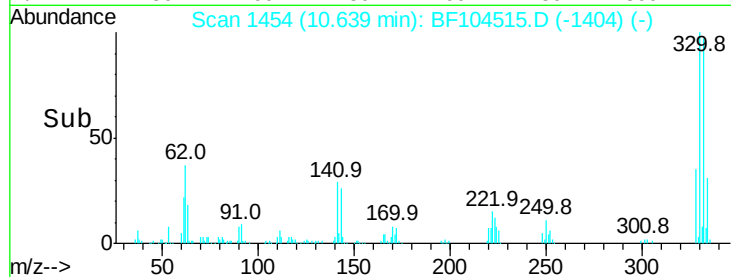
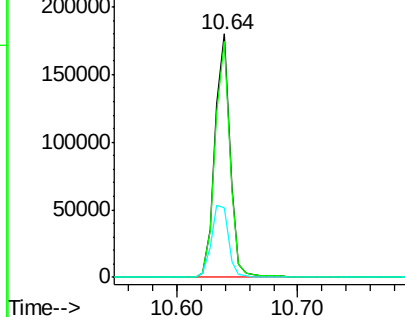
#41
 2,4,6-Tribromophenol
 Concen: 76.133 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104515.D
 Acq: 14 Apr 2018 9:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 154030
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 33.8 29.9 44.9

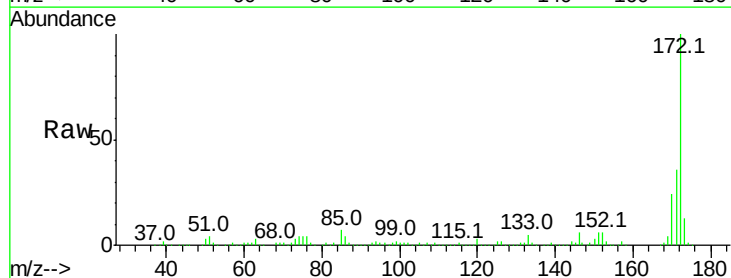


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

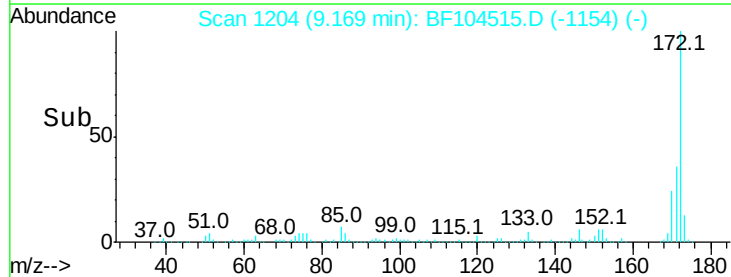
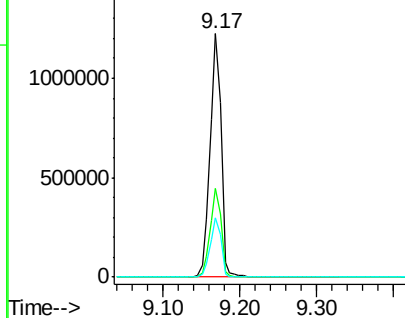


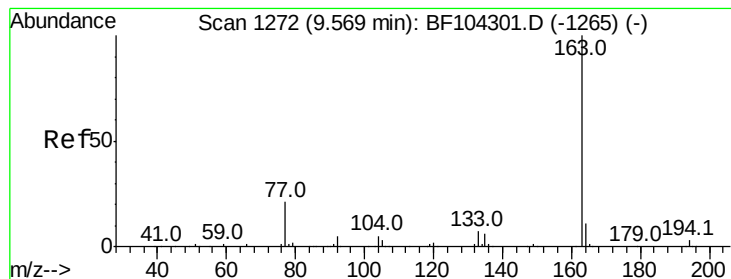
#44
 2-Fluorobiphenyl
 Concen: 97.532 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104515.D
 Acq: 14 Apr 2018 9:45

Tgt Ion:172 Resp: 1204141
 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





#49

Dimethylphthalate

Concen: 2.481 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

Instrument :

BNA_F

ClientSampled :

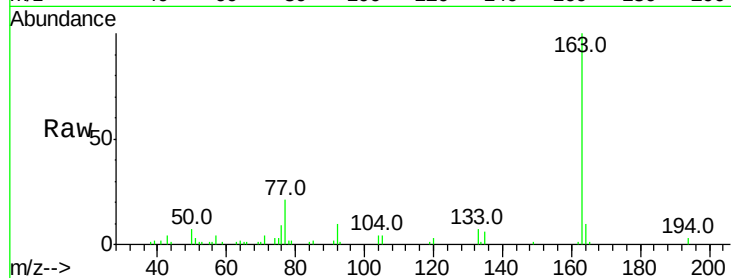
Tot Ion:163 Resp: 38161

Ion Ratio Lower Upper

163 100

194 2.7 2.7 4.1#

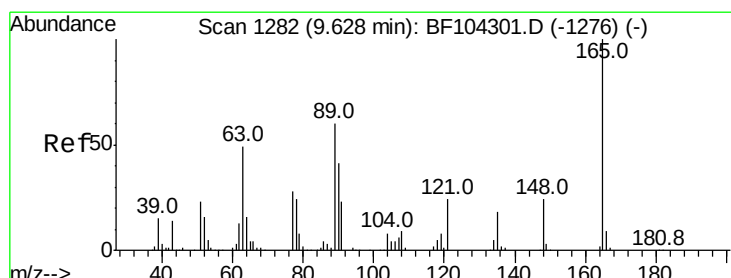
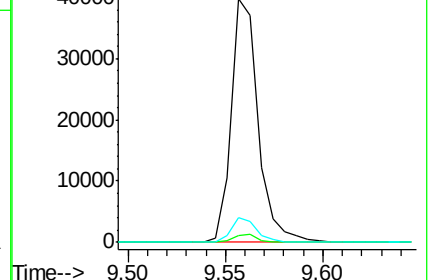
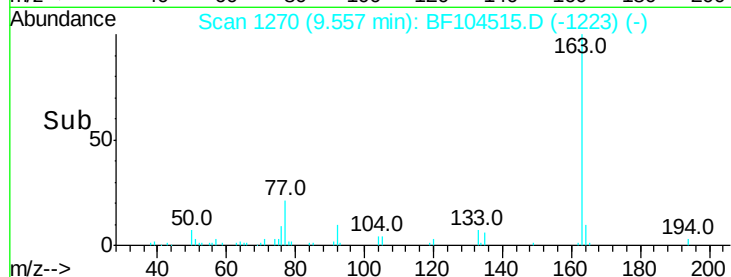
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.433 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

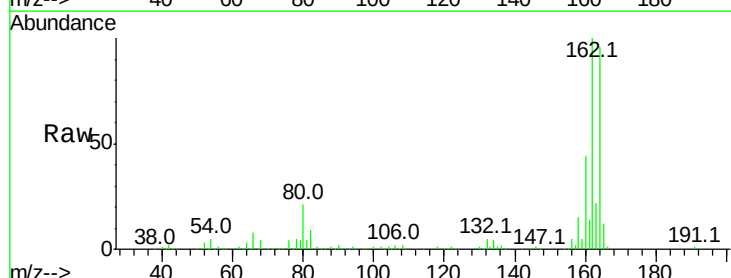
Tgt Ion:165 Resp: 23999

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

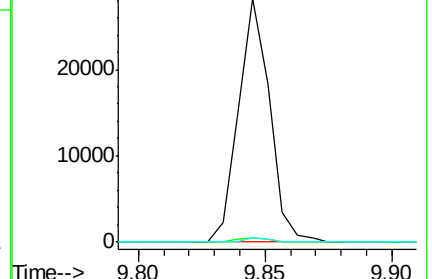
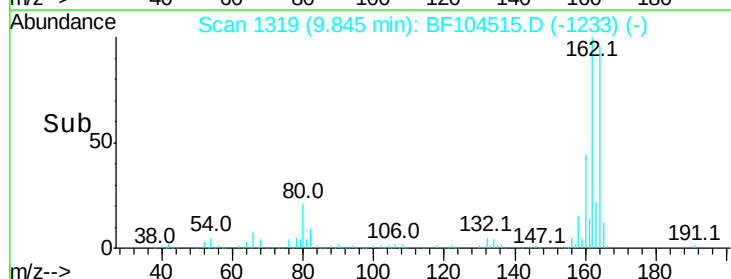
89 1.8 44.0 66.0#

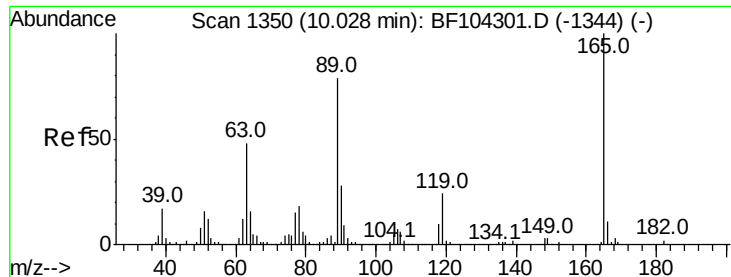


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

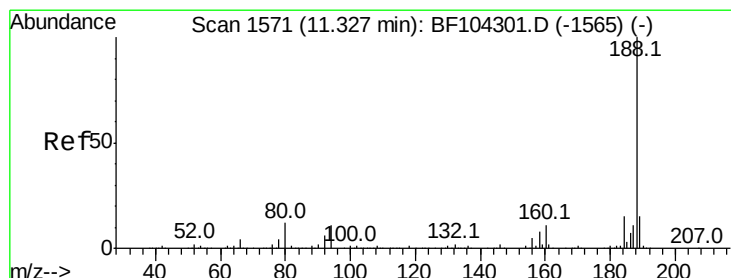
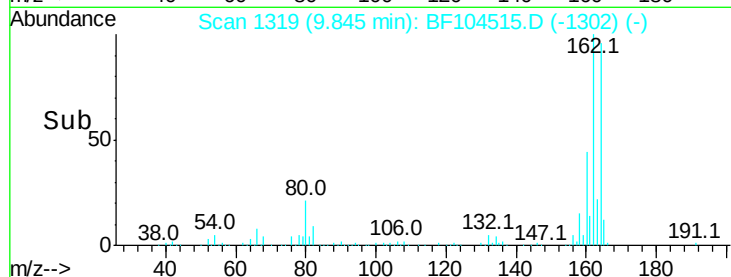
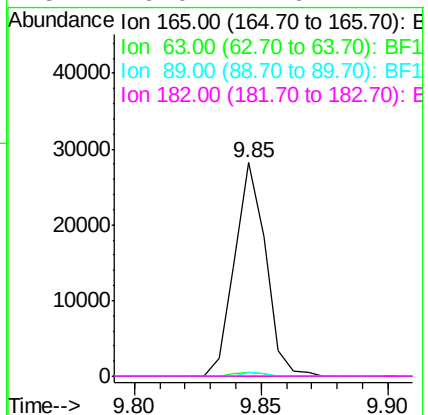
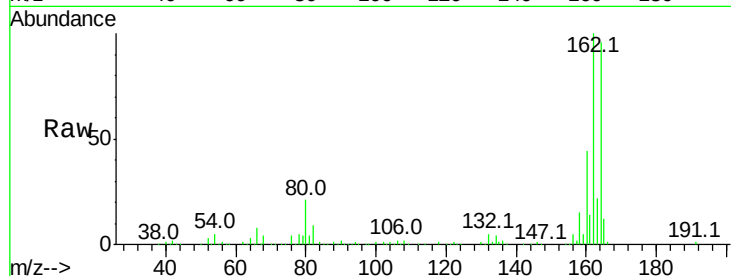




#56
 2,4-Dinitrotoluene
 Concen: 6.429 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104515.D
 Acq: 14 Apr 2018 9:45

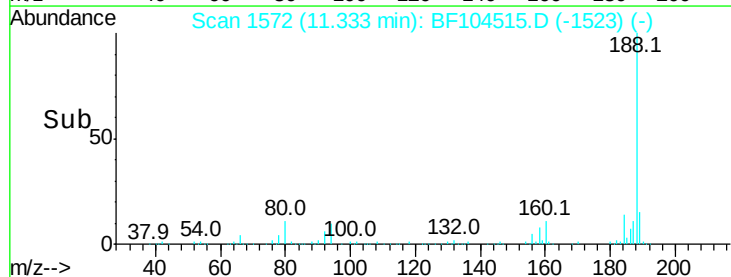
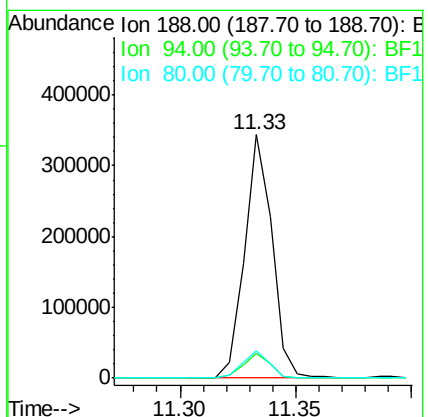
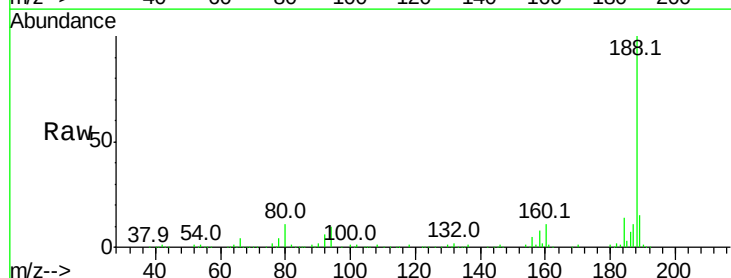
Instrument :
 BNA_F
 ClientSampleId :

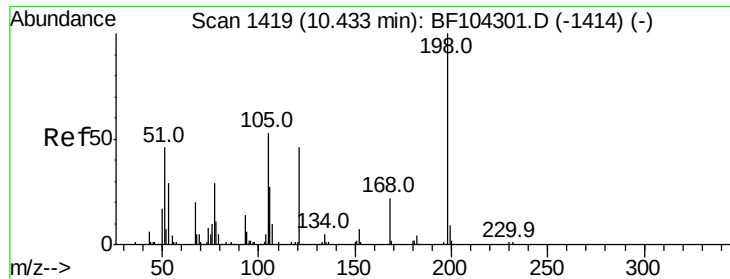
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104515.D
 Acq: 14 Apr 2018 9:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.3	9.2	13.8

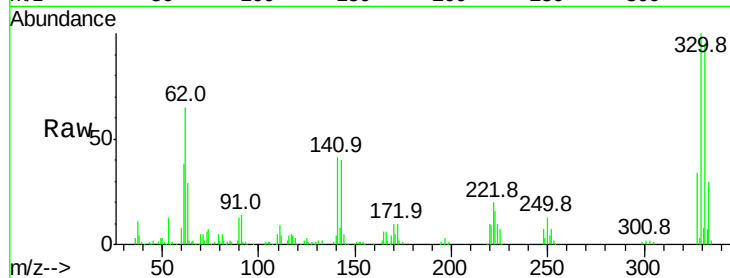




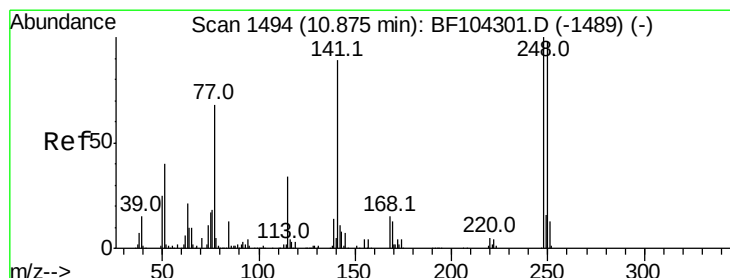
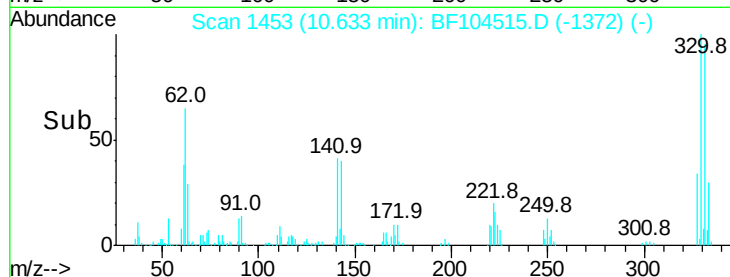
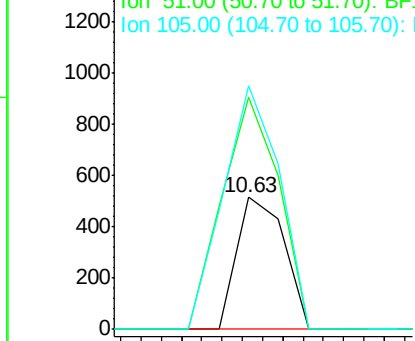
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.550 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104515.D
 Acq: 14 Apr 2018 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	198	Resp	333
Ion	Ratio	Lower	Upper
198	100		
51	176.1	37.7	77.7#
105	185.0	36.3	76.3#

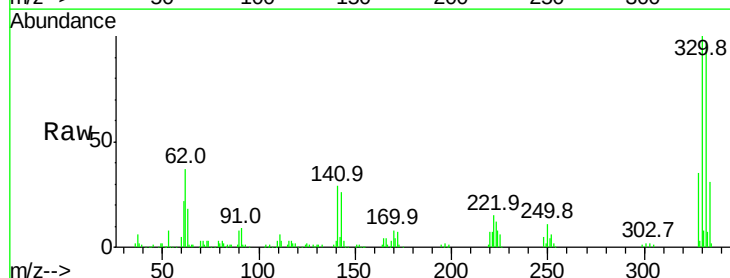


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

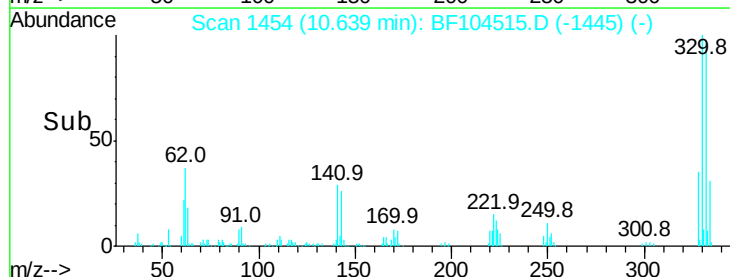
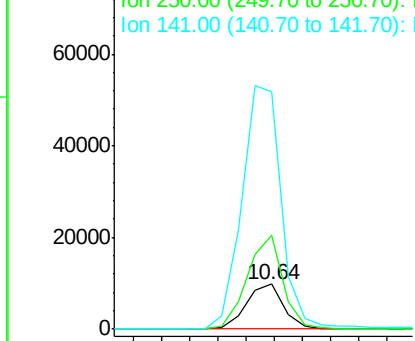


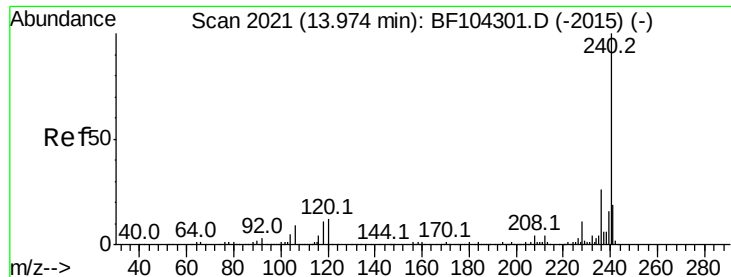
#66
 4-Bromophenyl-phenylether
 Concen: 2.973 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104515.D
 Acq: 14 Apr 2018 9:45

Tgt Ion	248	Resp	9030
Ion	Ratio	Lower	Upper
248	100		
250	208.3	76.9	115.3#
141	527.8	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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

Instrument :

BNA_F

ClientSampleId :

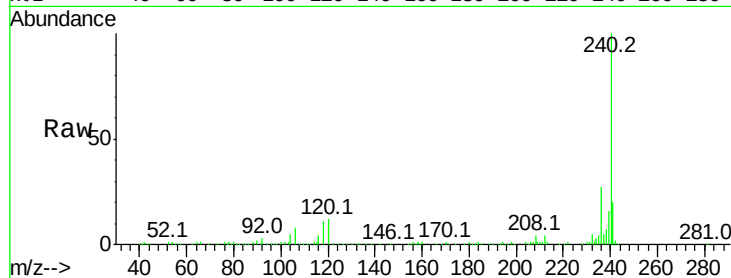
Tot Ion:240 Resp: 224148

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

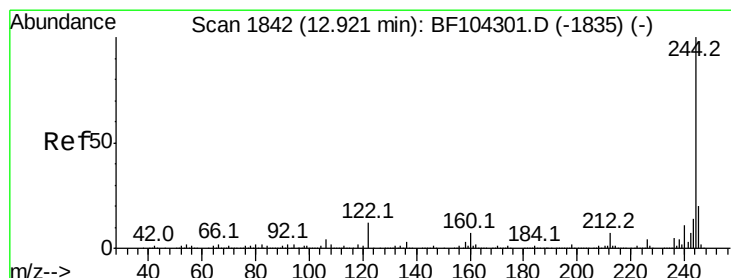
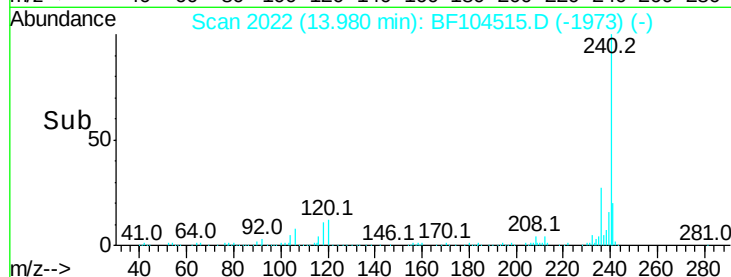
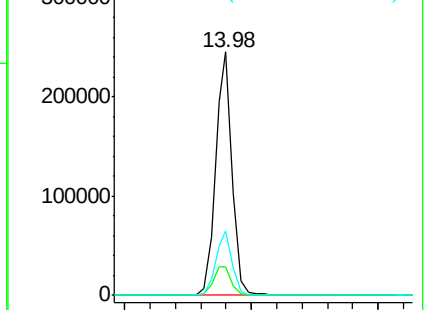
236 26.7 20.7 31.1



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: 90.417 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104515.D

Acq: 14 Apr 2018 9:45

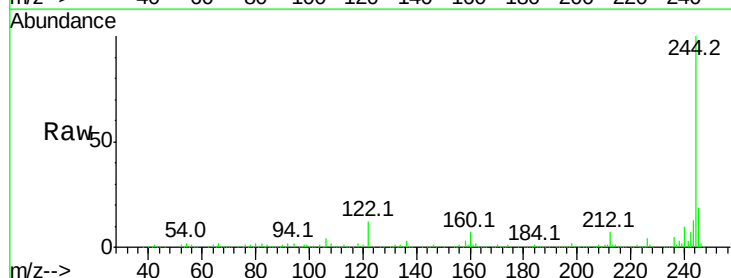
Tgt Ion:244 Resp: 888960

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

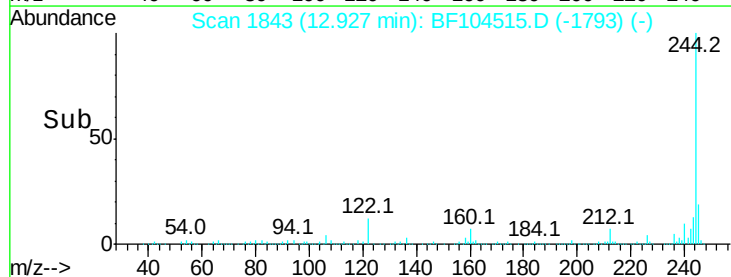
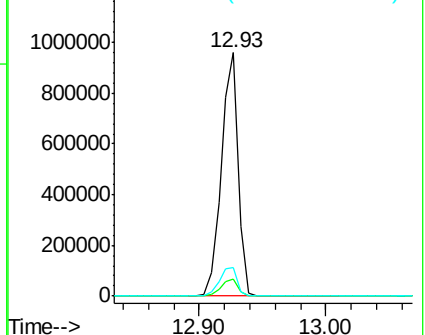
122 11.8 11.0 16.4

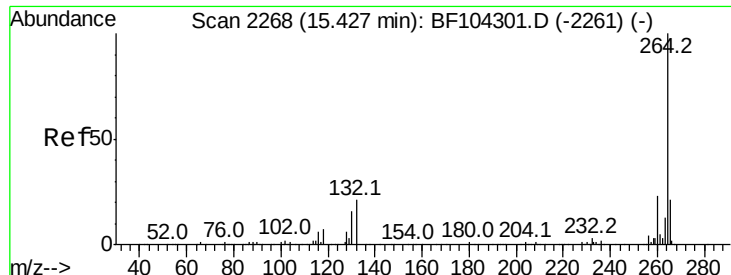


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

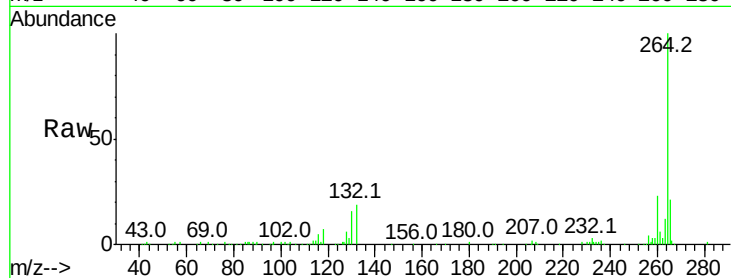




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104515.D
 Acq: 14 Apr 2018 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	20.9	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

