

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104517.D
 Acq On : 14 Apr 2018 10:39
 Operator : JU/SJ
 Sample : J2368-11
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:42:21 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	6.81	152	143342	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	496809	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	250497	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	375284	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	240923	20.00	ng	-0.01
86) Perylene-d12	15.44	264	183454	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	395819	42.22	ng	0.00
7) Phenol-d6	6.44	99	285879	24.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	731215	96.11	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	188536	72.56	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1364317	86.04	ng	0.00
78) Terphenyl-d14	12.93	244	899863	85.15	ng	0.00

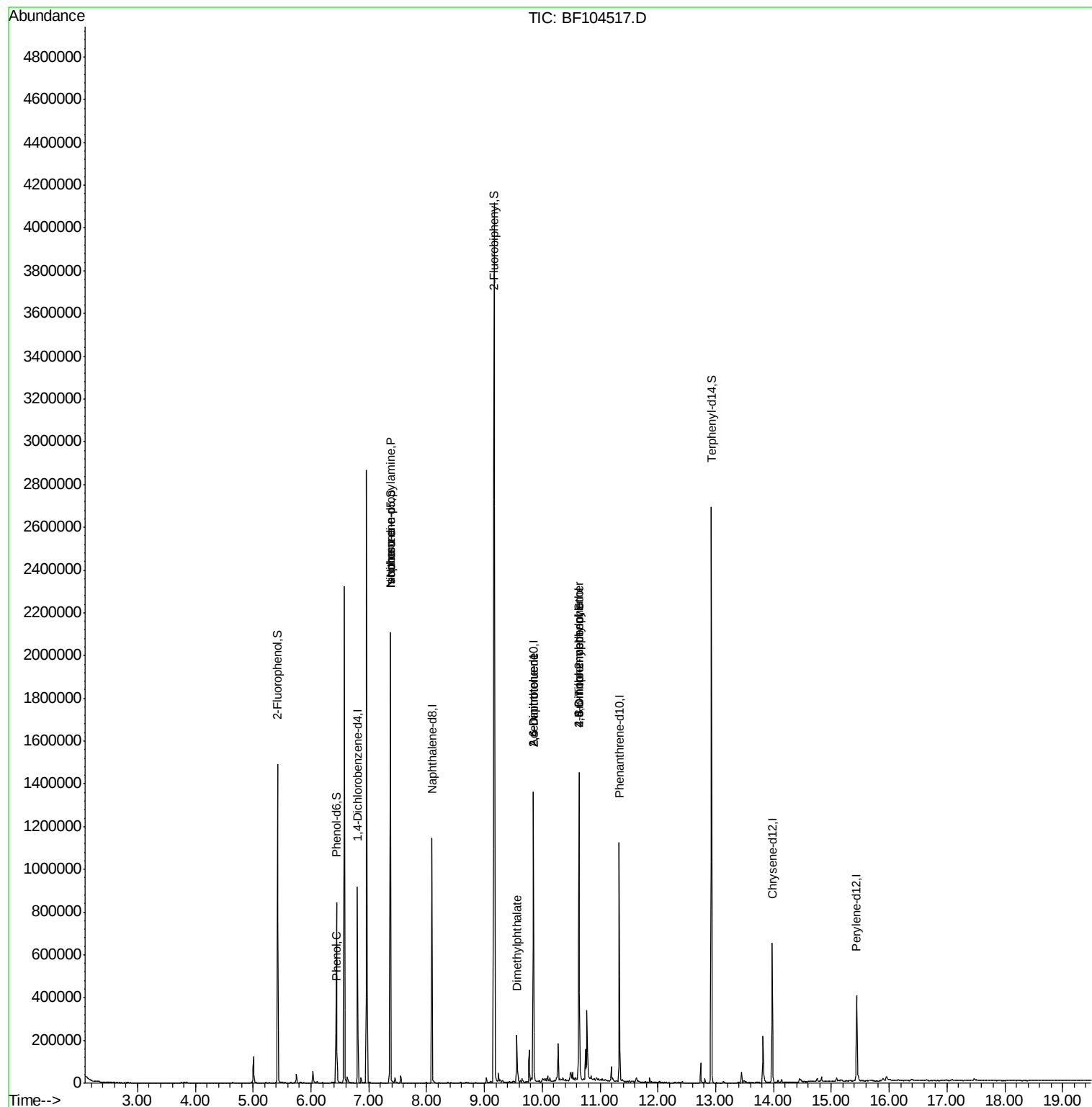
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	28800	2.357	ng	99
19) n-Nitroso-di-n-propylamine	7.37	70	96434	12.812	ng	# 72
25) Isophorone	7.37	82	731204	45.448	ng	# 64
49) Dimethylphthalate	9.56	163	88037	4.457	ng	100
50) 2,6-Dinitrotoluene	9.85	165	31883	8.723	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	31883	6.650	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	408	7.536	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11109	2.783	ng	# 1
76) Benzidine	12.93	184	11670	Below Cal		# 91

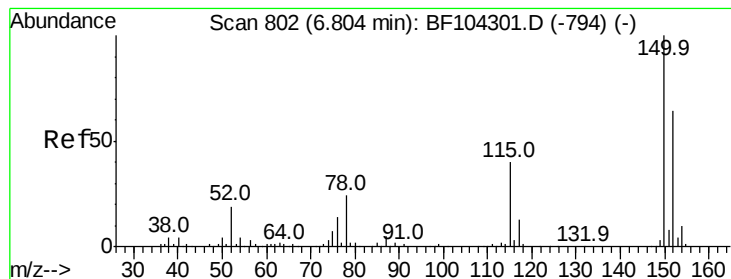
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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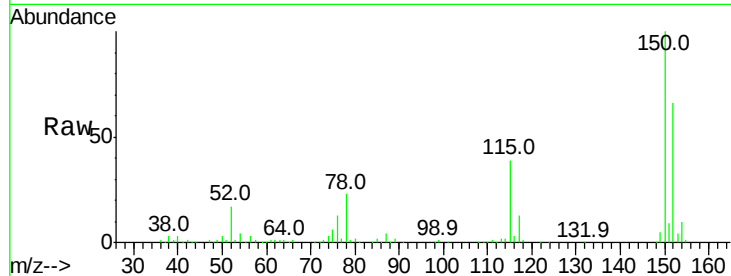


#1

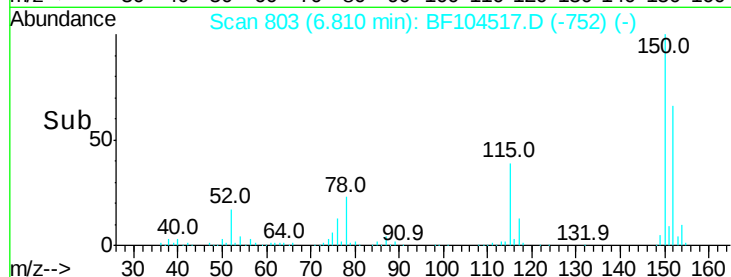
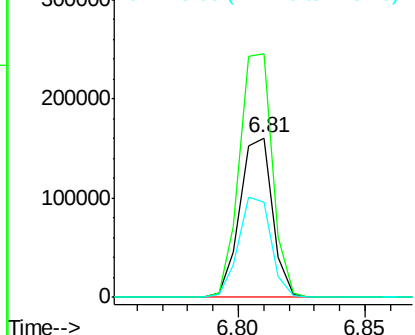
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143342
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 59.3 50.1 75.1



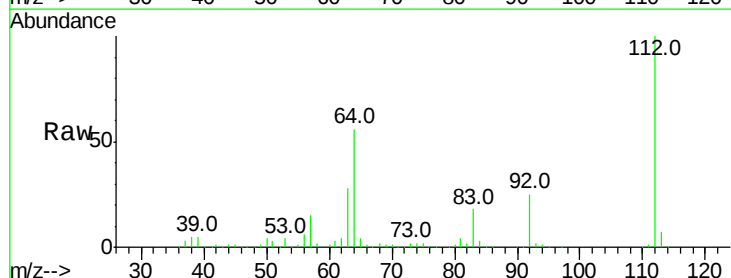
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



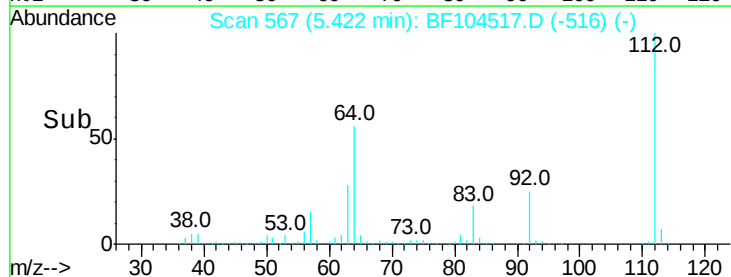
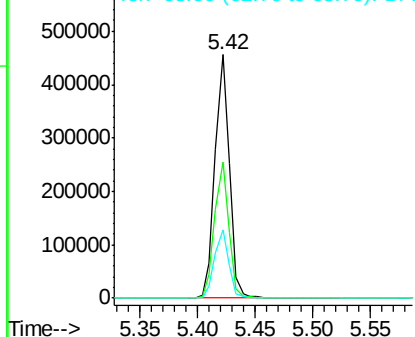
#5

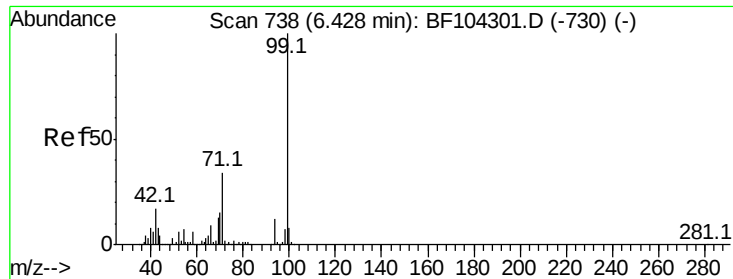
2-Fluorophenol
Concen: 42.223 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Tgt Ion:112 Resp: 395819
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.1 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: 24.820 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104517.D

Acq: 14 Apr 2018 10:39

Instrument :

BNA_F

ClientSampleId :

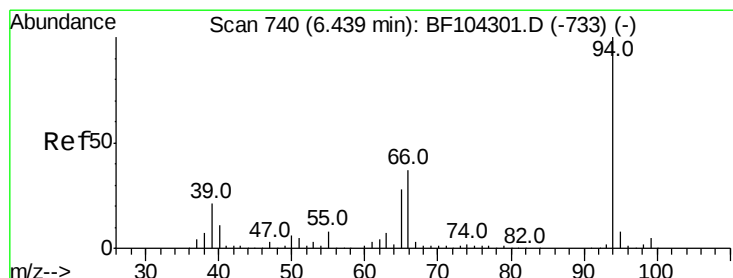
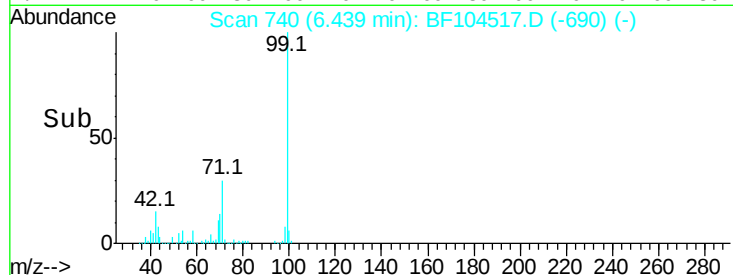
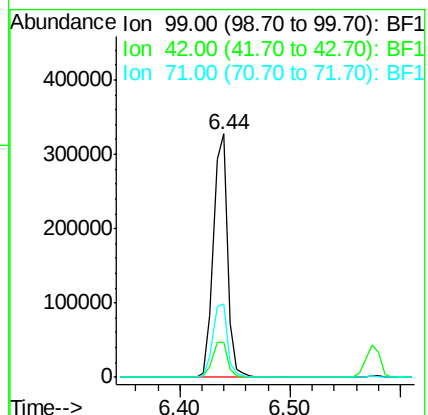
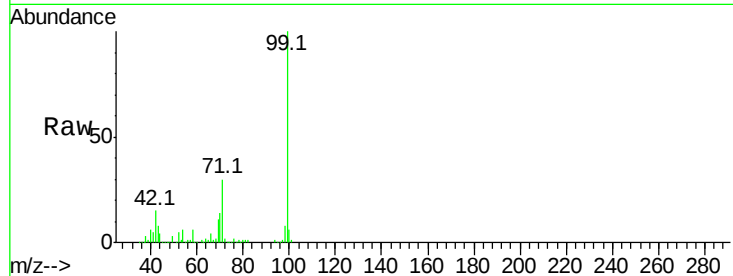
Tot Ion: 99 Resp: 285879

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

71 30.0 25.4 38.0



#10

Phenol

Concen: 2.357 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104517.D

Acq: 14 Apr 2018 10:39

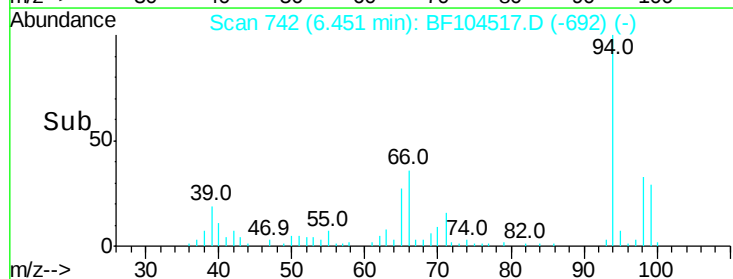
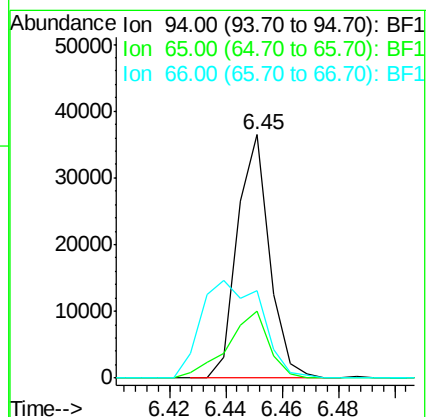
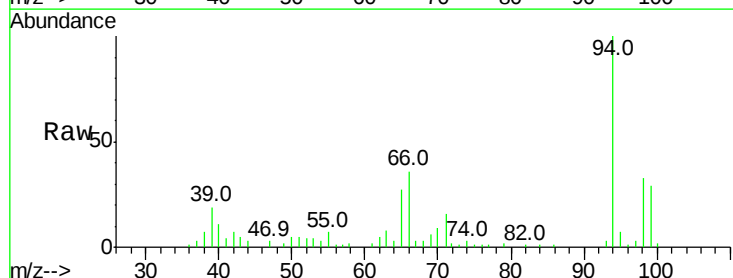
Tgt Ion: 94 Resp: 28800

Ion Ratio Lower Upper

94 100

65 27.3 7.9 47.9

66 36.0 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.812 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104517.D

Acq: 14 Apr 2018 10:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 96434

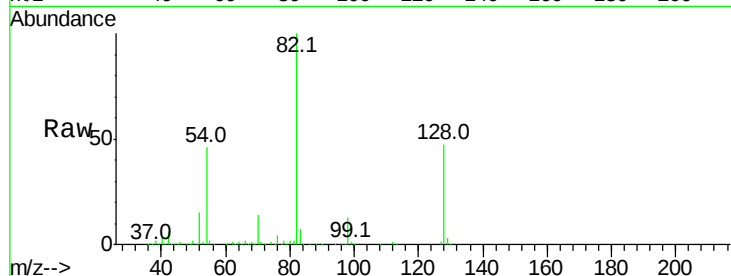
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

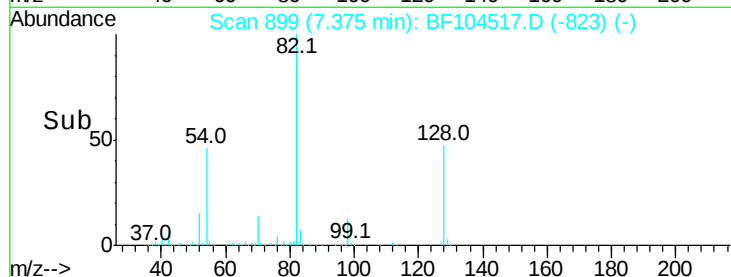


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

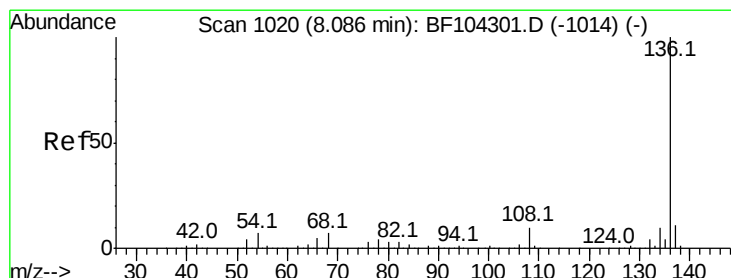
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time--> 7.30 7.35 7.40 7.45

7.37



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104517.D

Acq: 14 Apr 2018 10:39

Tgt Ion: 136 Resp: 496809

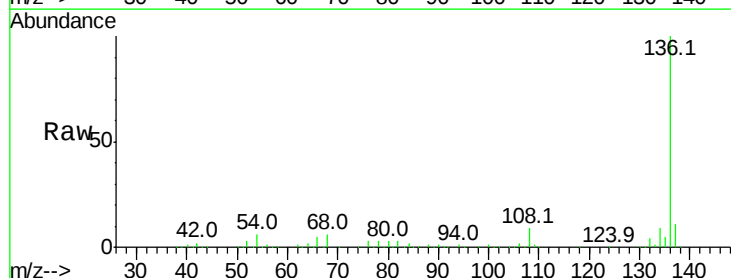
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.1 6.6 9.8#

68 5.5 5.0 7.4

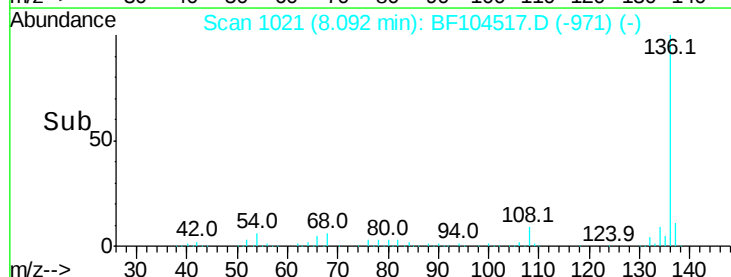


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.00 8.10 8.20

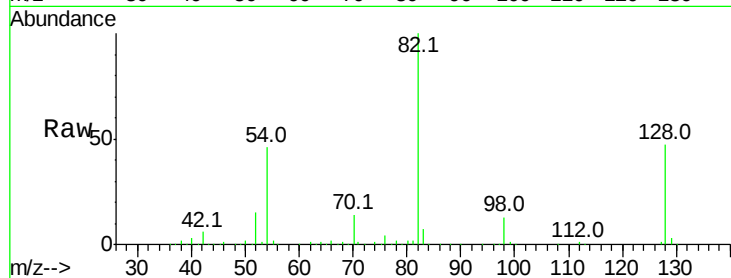
8.09



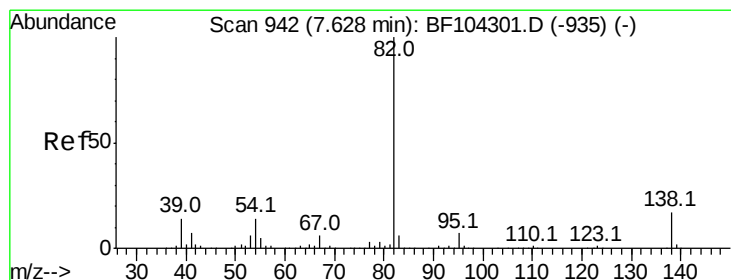
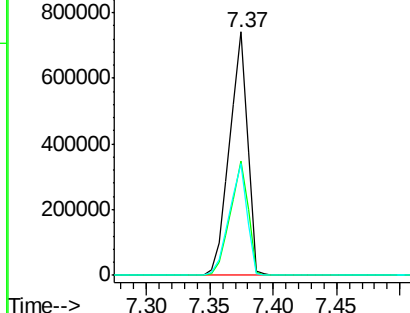
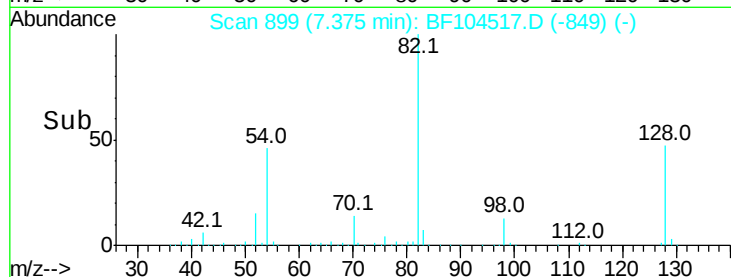
#23
Nitrobenzene-d5
Concen: 96.107 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	45.8	41.4	62.2

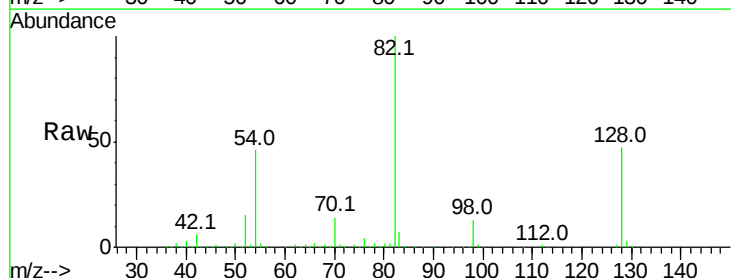


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

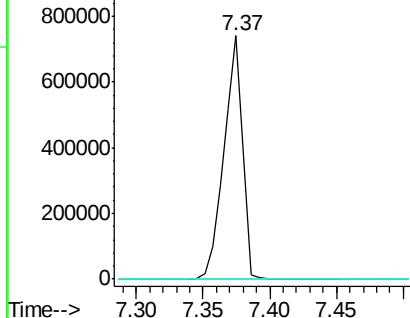
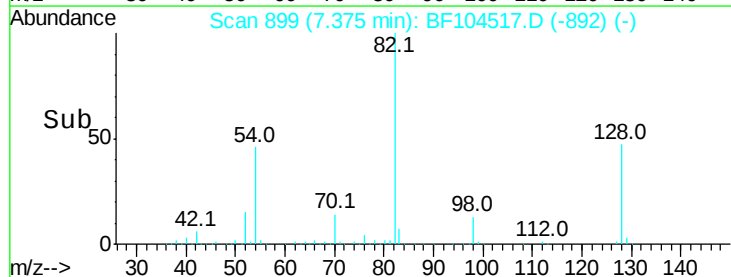


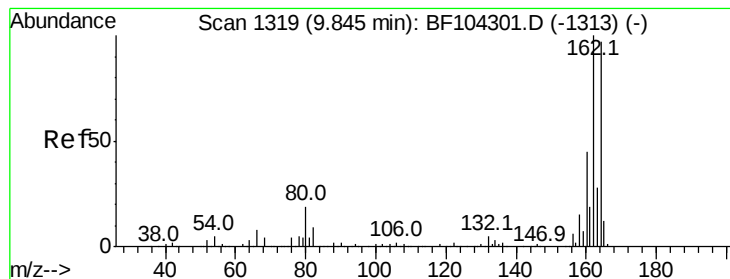
#25
Isophorone
Concen: 45.448 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Tgt 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: BF104517.D

Acq: 14 Apr 2018 10:39

Instrument :

BNA_F

ClientSampleId :

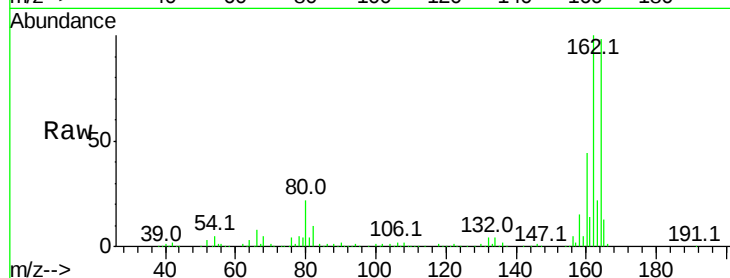
Tot Ion:164 Resp: 250497

Ion Ratio Lower Upper

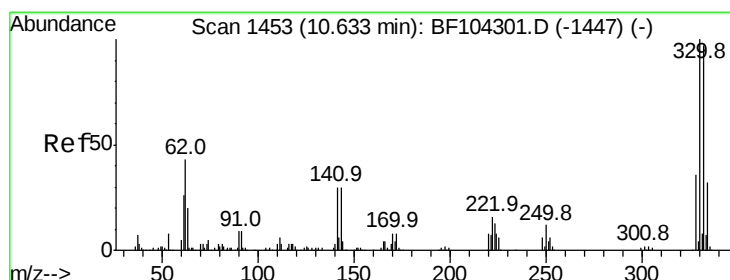
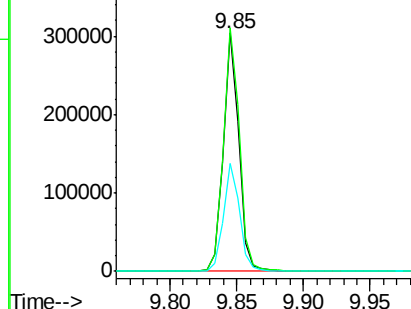
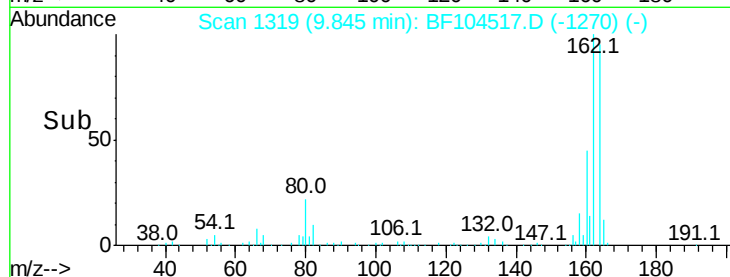
164 100

162 102.2 86.1 129.1

160 45.4 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: 72.556 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF104517.D

Acq: 14 Apr 2018 10:39

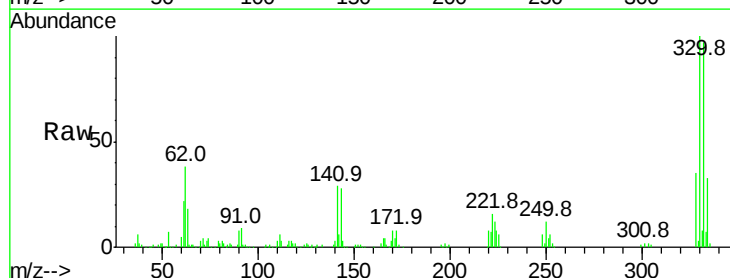
Tgt Ion:330 Resp: 188536

Ion Ratio Lower Upper

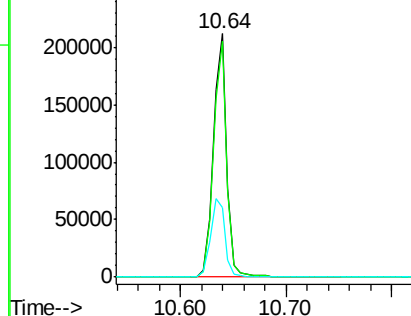
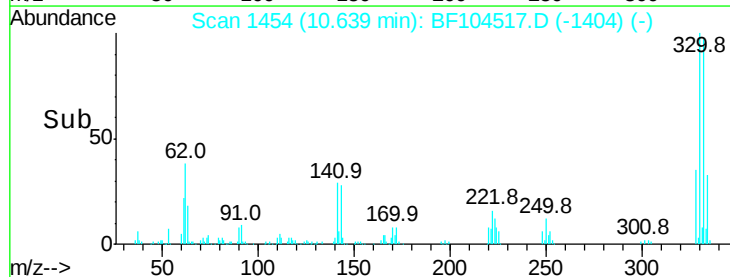
330 100

332 96.1 77.0 115.6

141 35.0 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

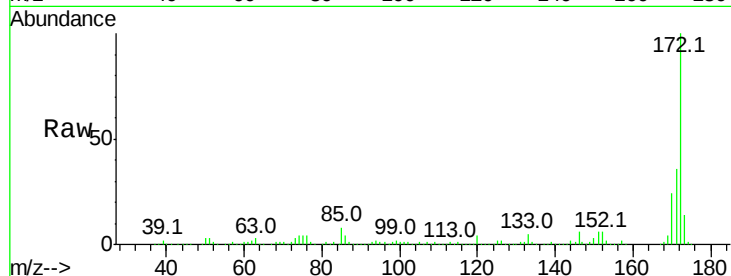




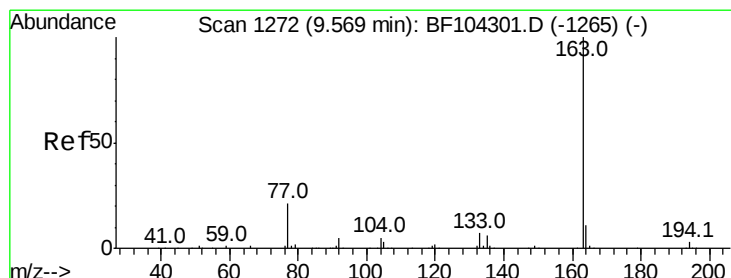
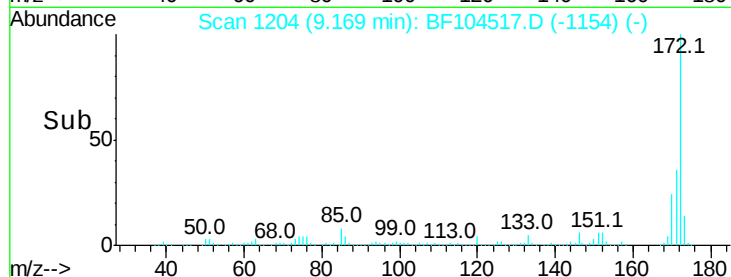
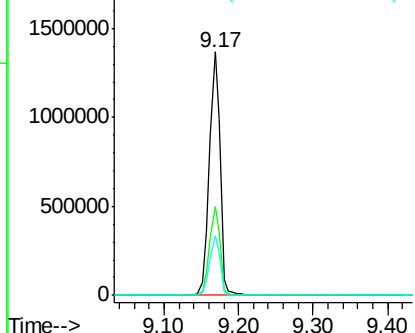
#44
2-Fluorobiphenyl
Concen: 86.040 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1364317
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.3 19.6 29.4

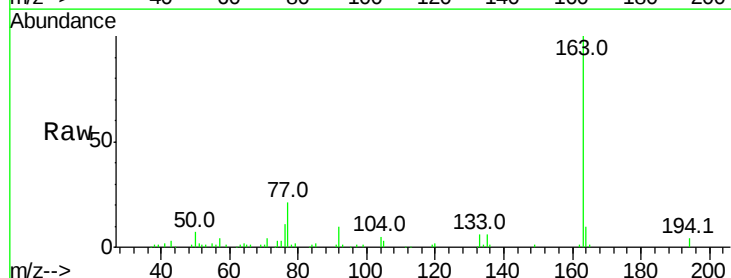


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

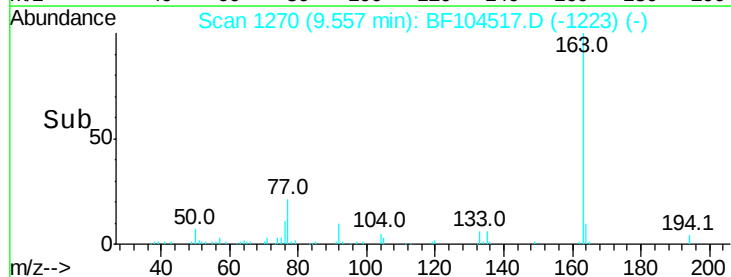
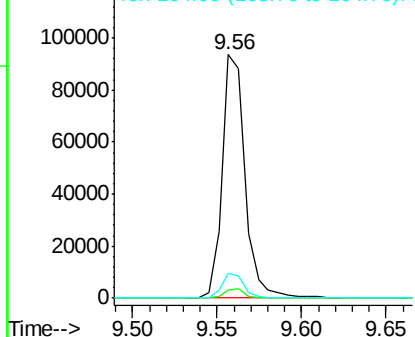


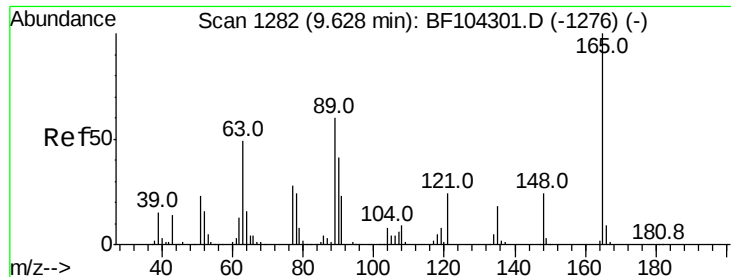
#49
Dimethylphthalate
Concen: 4.457 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Tgt Ion:163 Resp: 88037
Ion Ratio Lower Upper
163 100
194 3.5 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

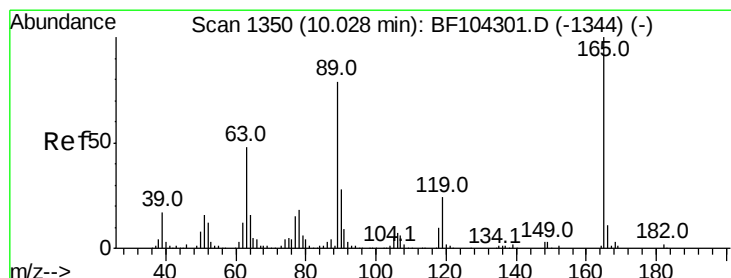
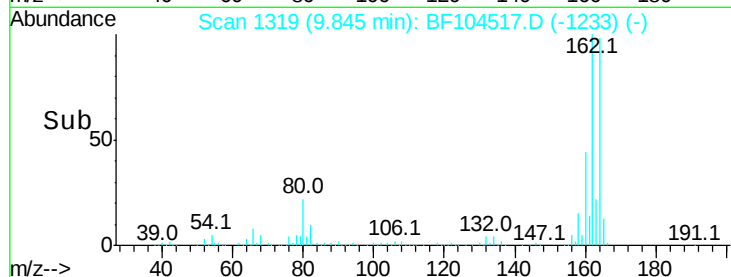
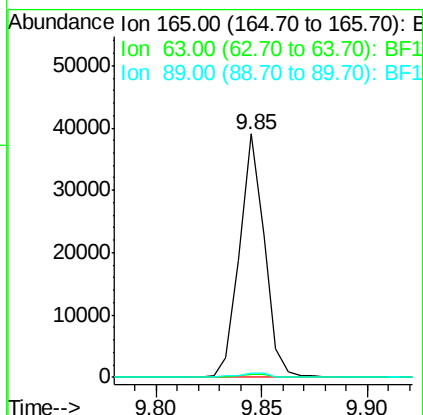
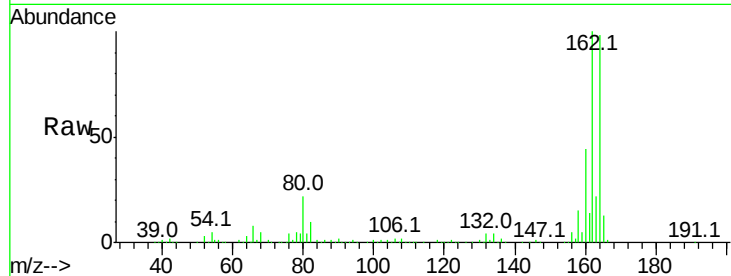




#50
 2,6-Dinitrotoluene
 Concen: 8.723 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104517.D
 Acq: 14 Apr 2018 10:39

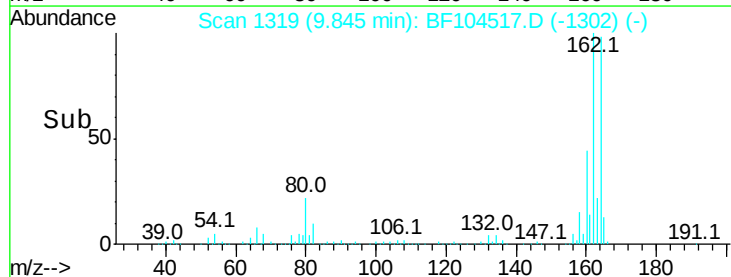
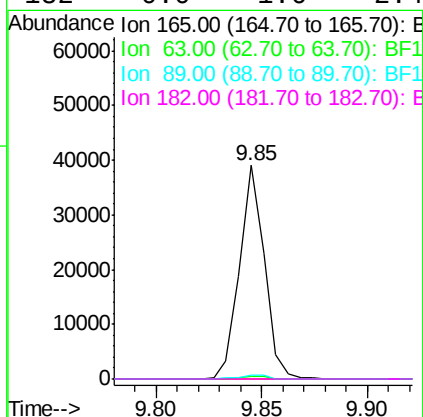
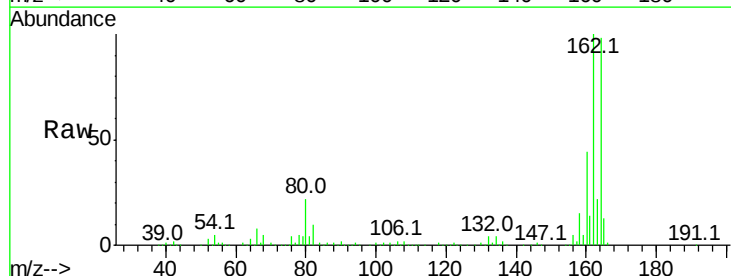
Instrument :
 BNA_F
 ClientSampled :

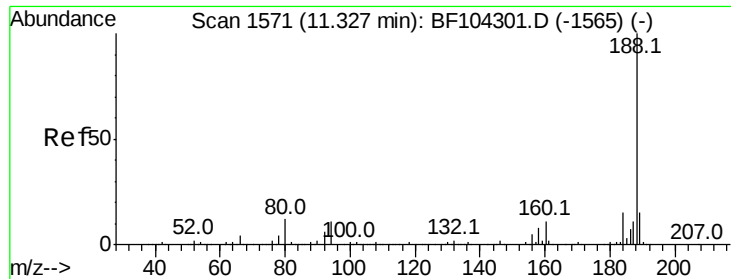
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.650 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104517.D
 Acq: 14 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

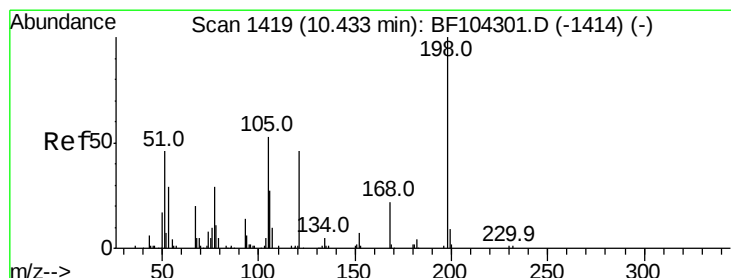
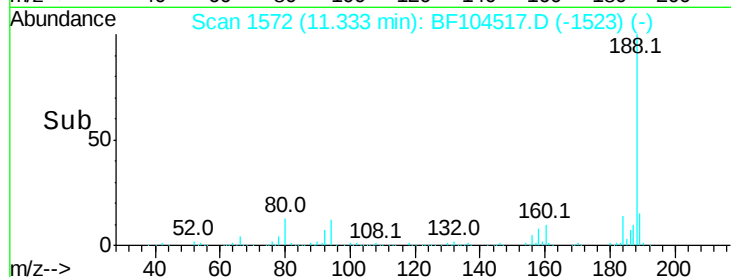
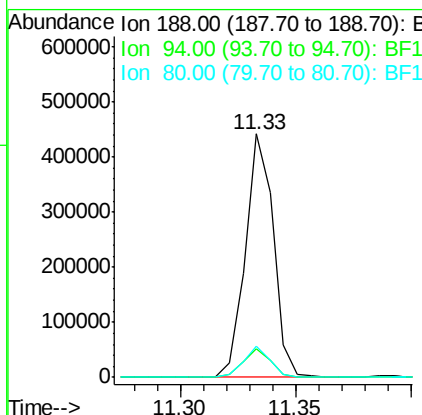
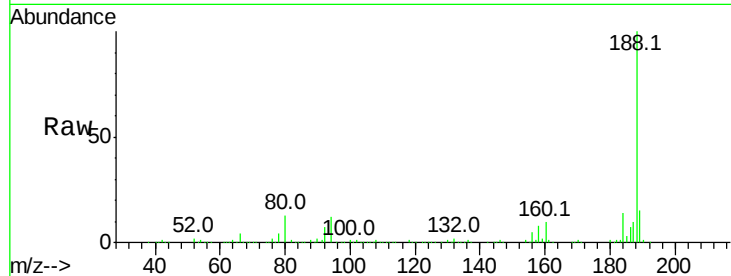




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

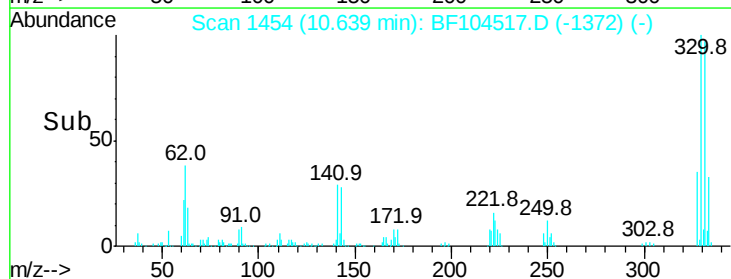
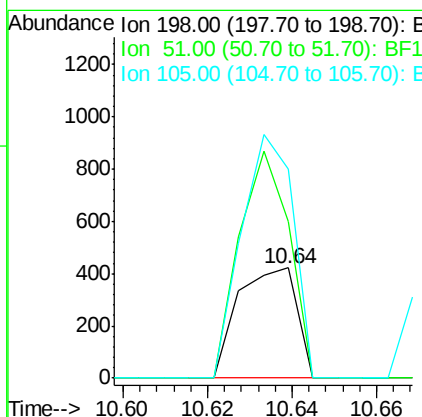
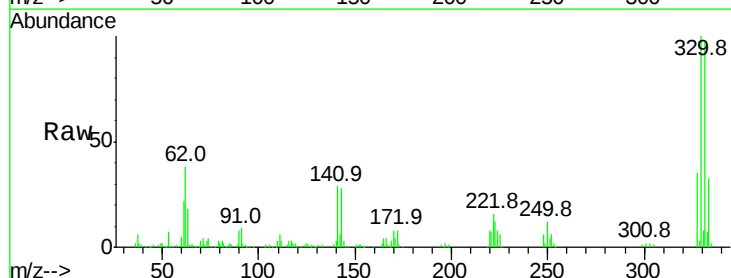
Instrument :
BNA_F
ClientSampleId :

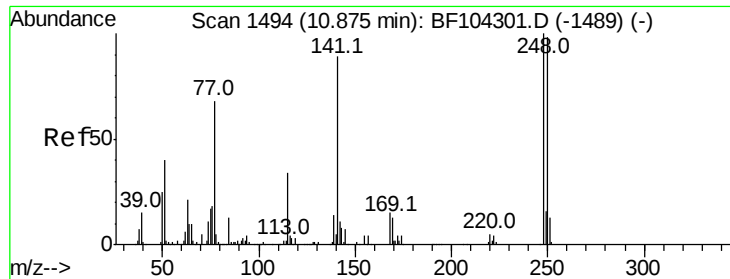
Tot Ion:188 Resp: 375284
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.536 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Tgt Ion:198 Resp: 408
Ion Ratio Lower Upper
198 100
51 141.5 37.7 77.7#
105 189.6 36.3 76.3#

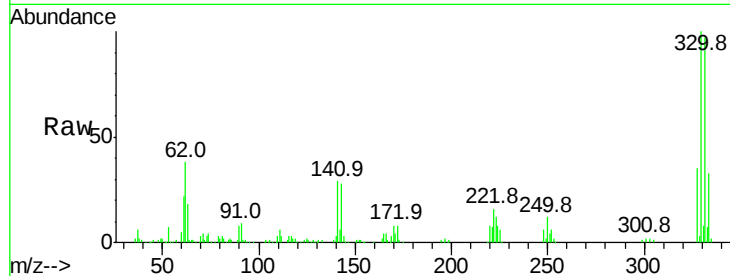




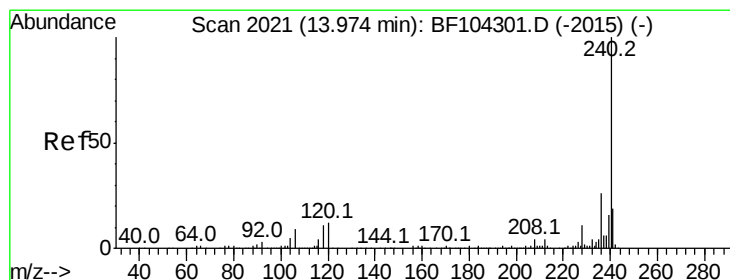
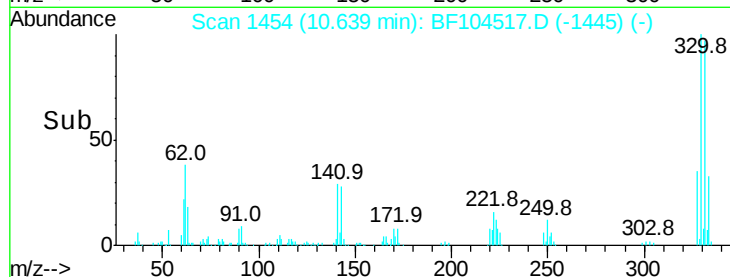
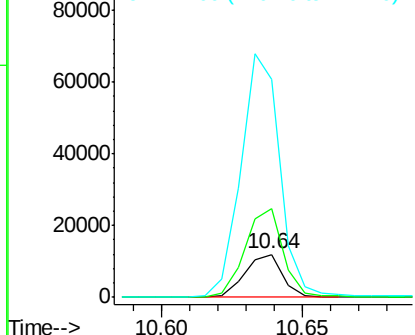
#66
4-Bromophenyl-phenylether
Concen: 2.783 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11109
Ion Ratio Lower Upper
248 100
250 204.7 76.9 115.3#
141 505.0 74.4 111.6#

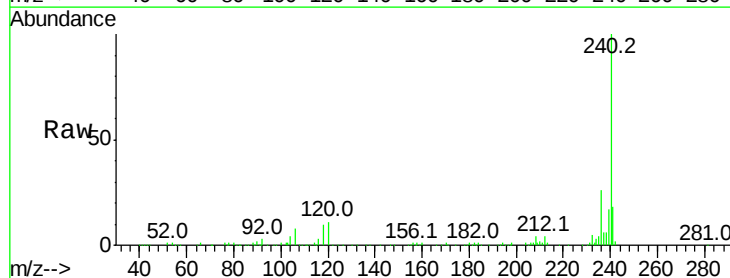


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

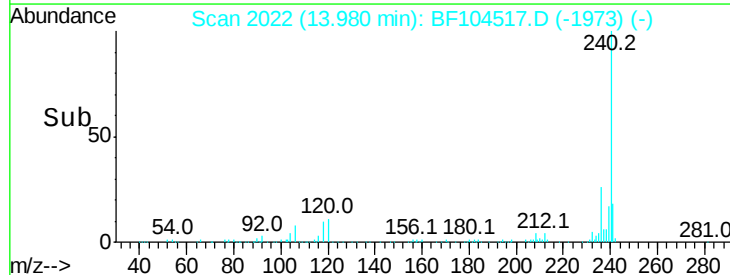
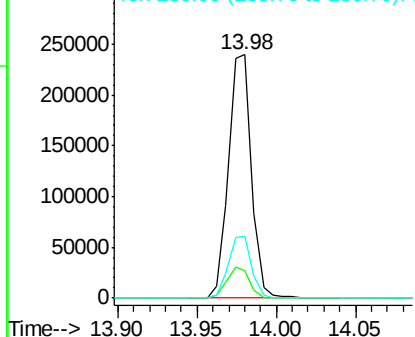


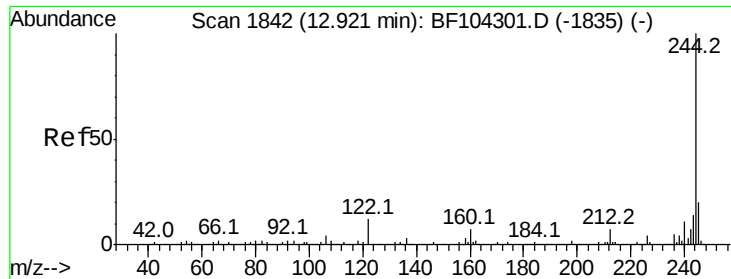
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104517.D
Acq: 14 Apr 2018 10:39

Tgt Ion:240 Resp: 240923
Ion Ratio Lower Upper
240 100
120 11.4 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

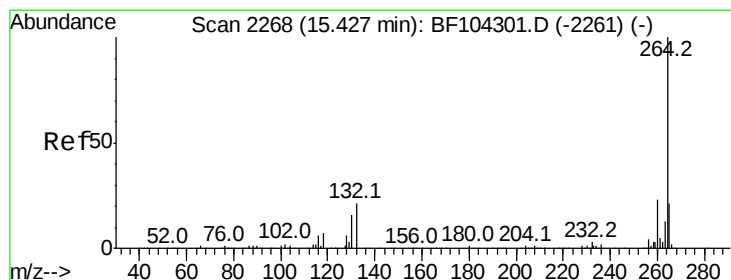
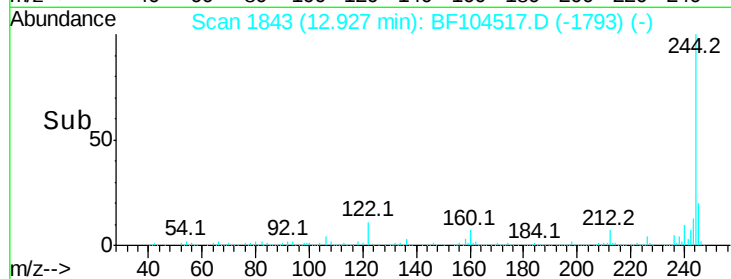
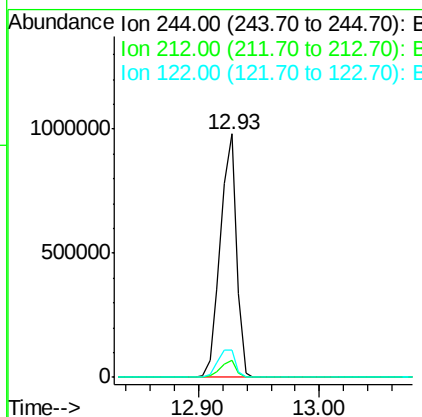
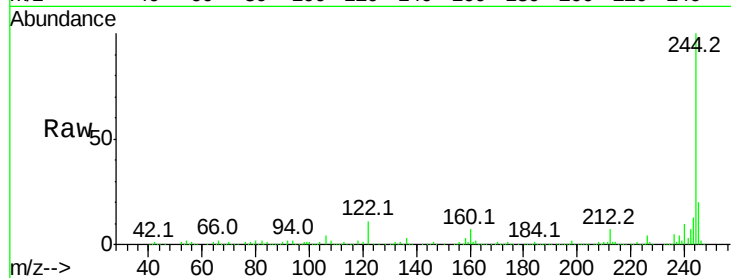




#78
 Terphenyl-d14
 Concen: 85.153 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104517.D
 Acq: 14 Apr 2018 10:39

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 899863
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.02 min
 Lab File: BF104517.D
 Acq: 14 Apr 2018 10:39

Tgt Ion:264 Resp: 183454
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.8 17.5 26.3

