

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103904.D
 Acq On : 24 Mar 2018 2:40
 Operator : JU/SJ
 Sample : J2014-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 03:14:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	128468	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	499511	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	206184	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	318424	20.00	ng	0.00
75) Chrysene-d12	14.16	240	247708	20.00	ng	0.00
86) Perylene-d12	15.71	264	186697	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	354101	41.92	ng	0.00
7) Phenol-d6	6.59	99	292182	28.28	ng	-0.01
23) Nitrobenzene-d5	7.54	82	733385	102.39	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	169503	95.61	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1301624	100.70	ng	0.00
78) Terphenyl-d14	13.10	244	999987	93.70	ng	0.00

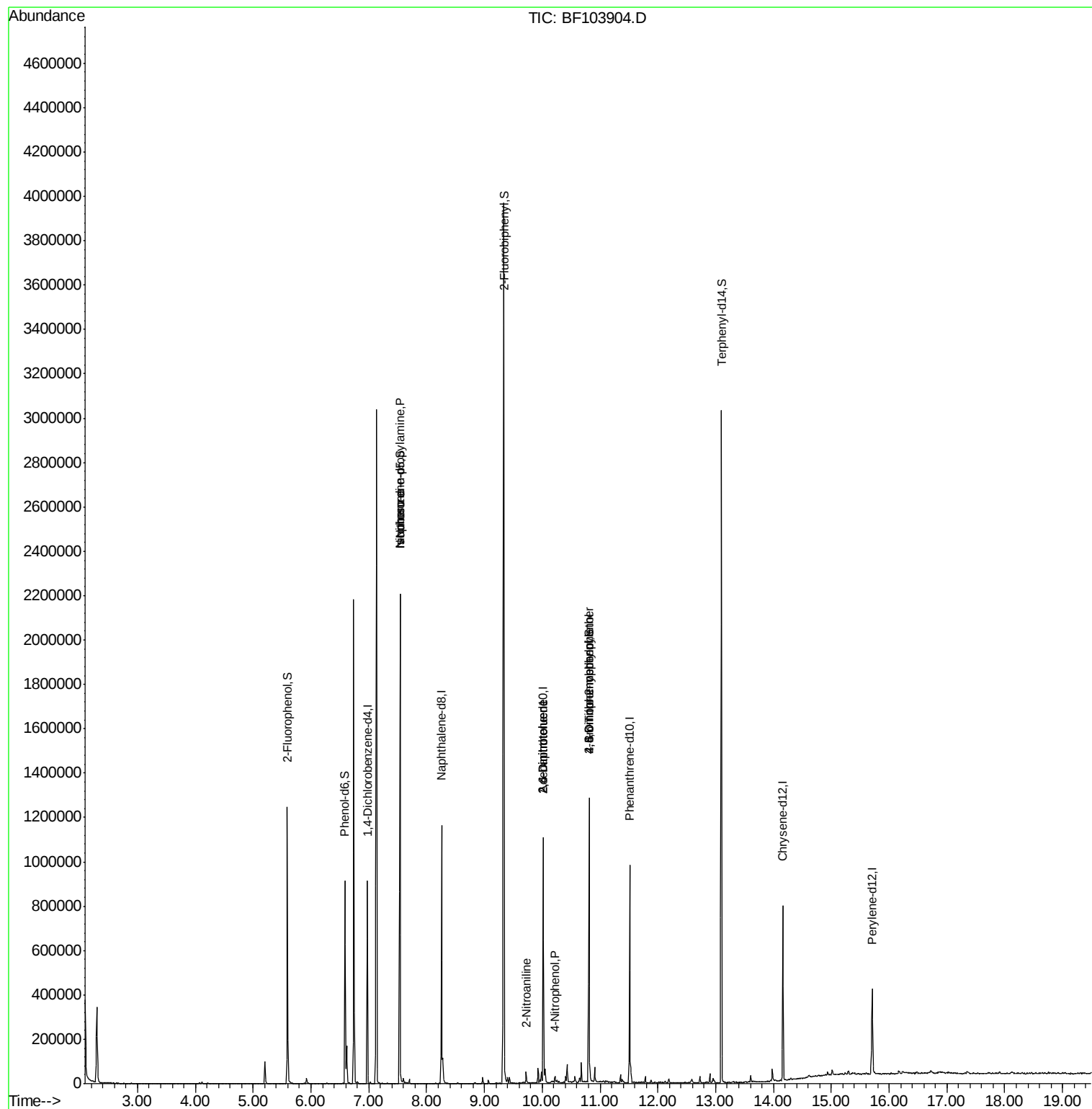
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	95449	14.413	ng	# 72
25) Isophorone	7.54	82	733379	44.228	ng	# 64
47) 2-Nitroaniline	9.72	65	110	6.841	ng	# 1
50) 2,6-Dinitrotoluene	10.02	165	26549	11.984	ng	# 25
55) 4-Nitrophenol	10.22	139	4064	6.293	ng	# 9
56) 2,4-Dinitrotoluene	10.02	165	26549	12.209	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	287	8.386	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	10518	3.217	ng	# 1

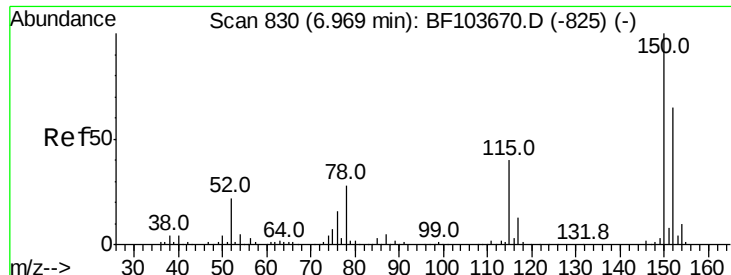
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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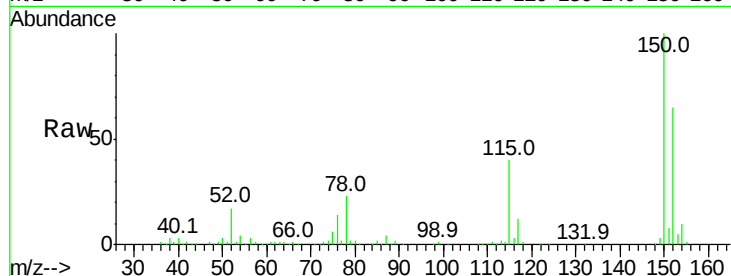


#1

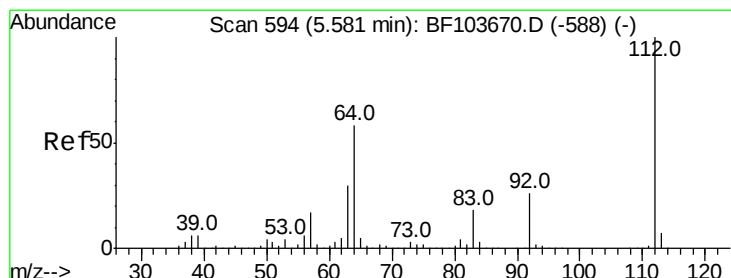
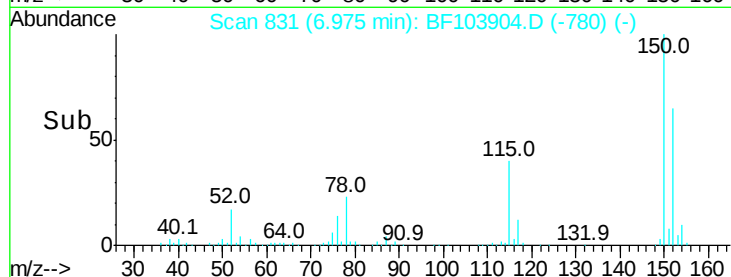
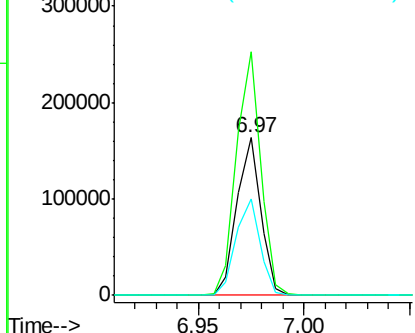
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103904.D
Acq: 24 Mar 2018 2:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128468
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 61.1 50.1 75.1



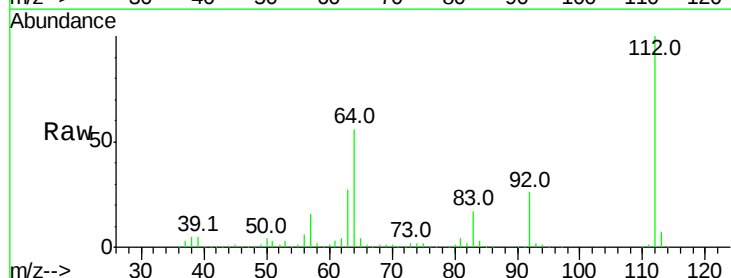
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



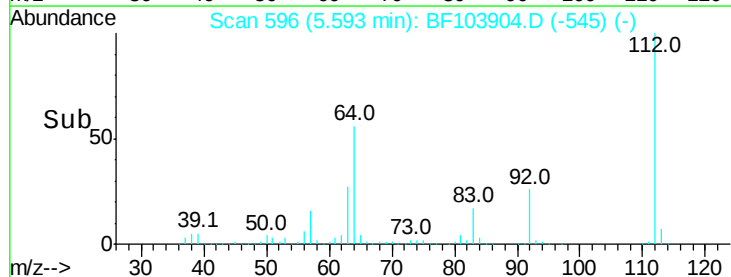
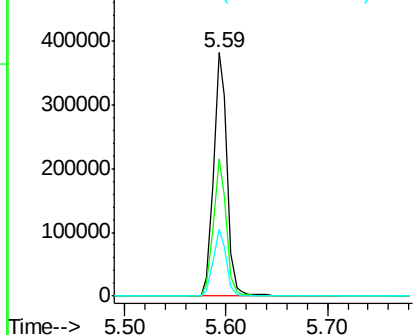
#5

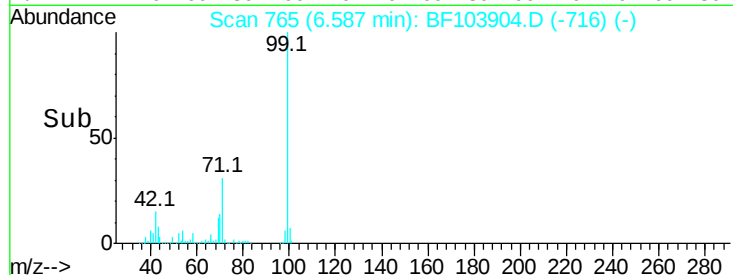
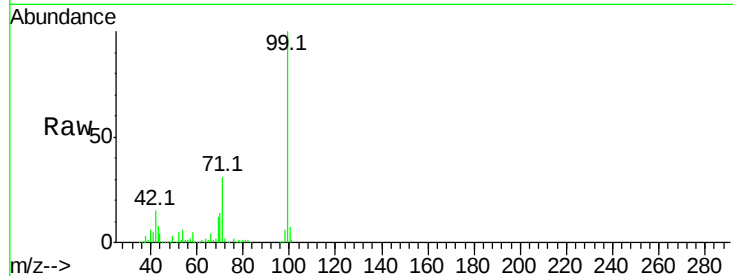
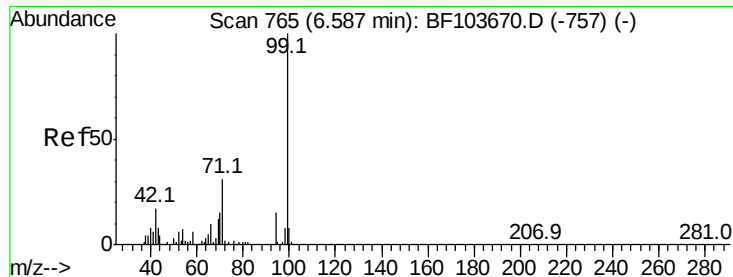
2-Fluorophenol
Concen: 41.924 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF103904.D
Acq: 24 Mar 2018 2:40

Tgt Ion:112 Resp: 354101
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 27.4 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: 28.275 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Instrument :

BNA_F

ClientSampleId :

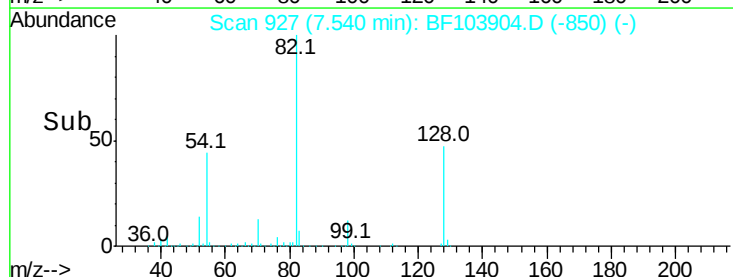
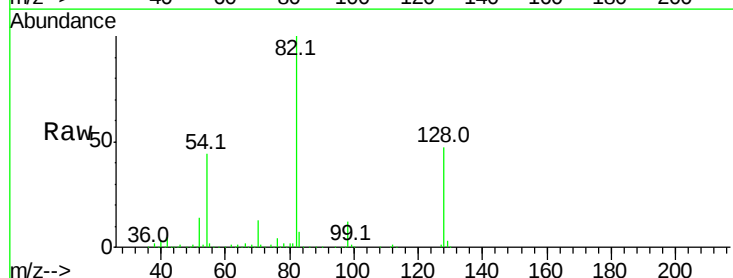
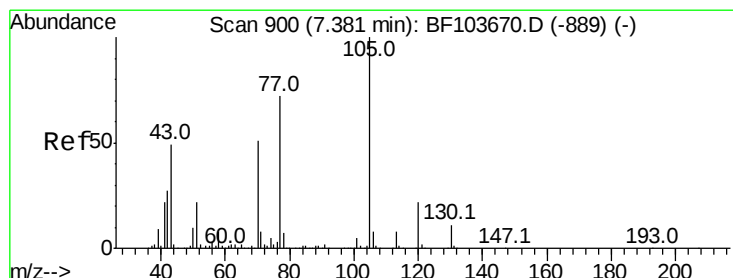
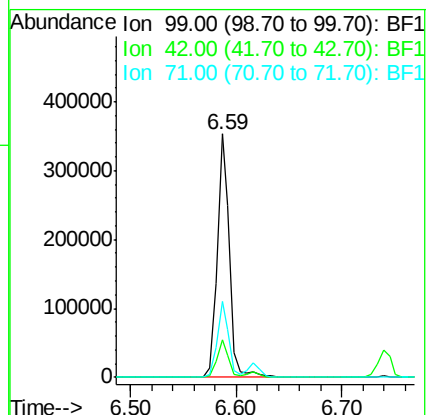
Tot Ion: 99 Resp: 292182

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 31.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.413 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Tgt Ion: 70 Resp: 95449

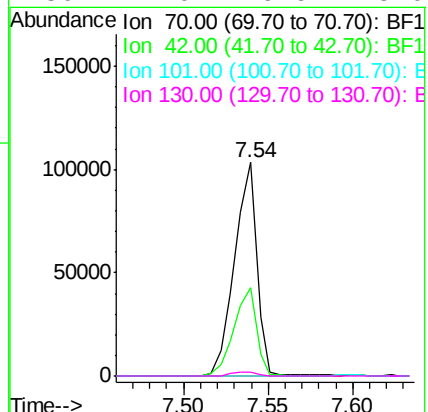
Ion Ratio Lower Upper

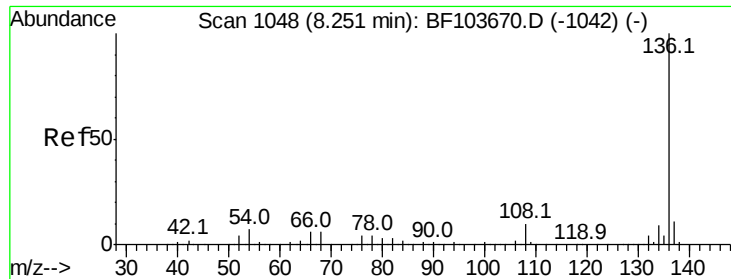
70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

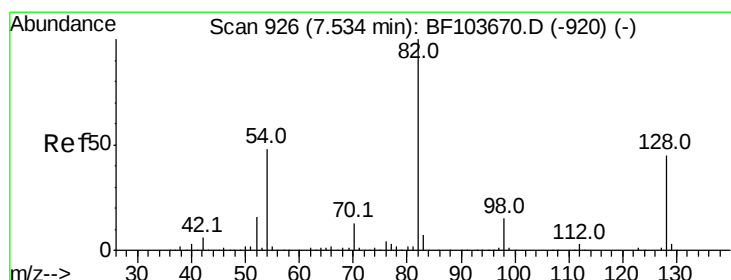
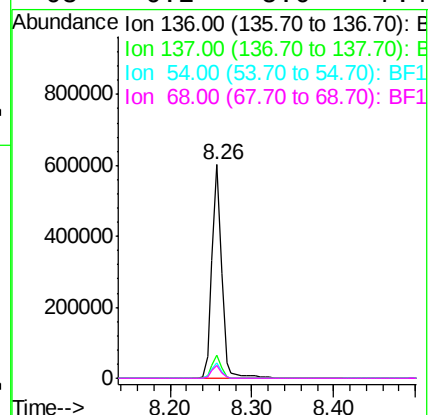
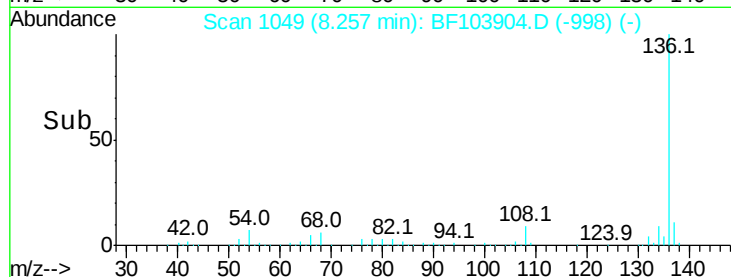
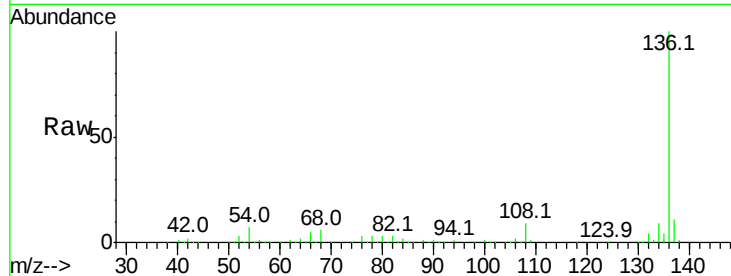




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF103904.D
Acq: 24 Mar 2018 2:40

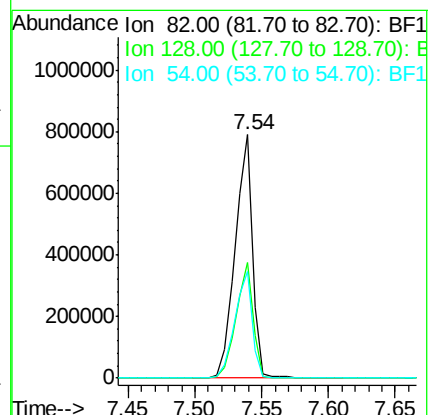
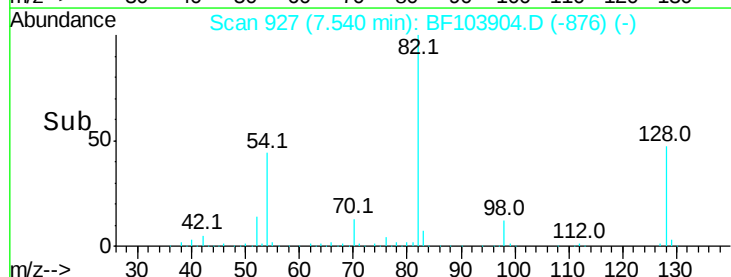
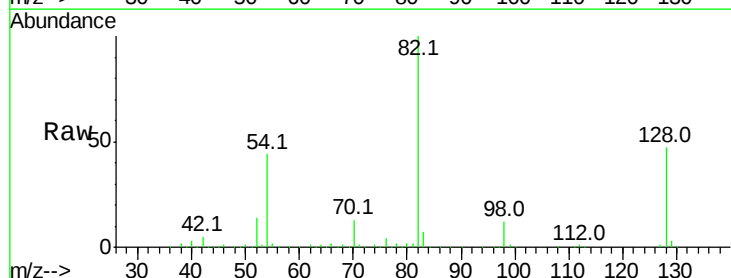
Instrument :
BNA_F
ClientSampleId :

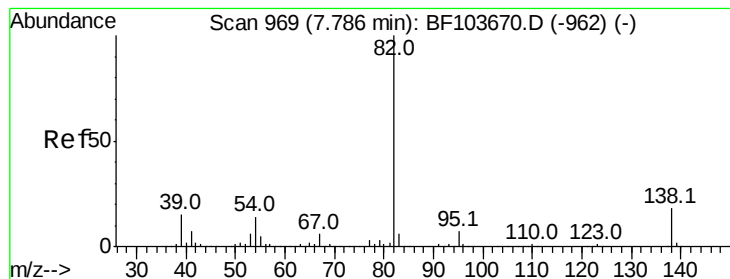
Tot Ion:	136	Resp:	499511
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	6.6	9.8
68	6.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 102.387 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF103904.D
Acq: 24 Mar 2018 2:40

Tgt Ion:	82	Resp:	733385
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	43.7	41.4	62.2





#25

Isophorone

Concen: 44.228 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Instrument :

BNA_F

ClientSampleId :

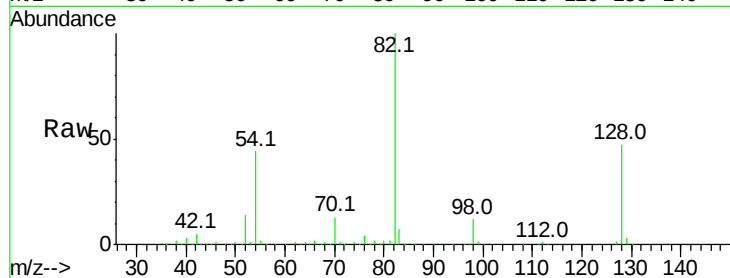
Tot Ion: 82 Resp: 733379

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

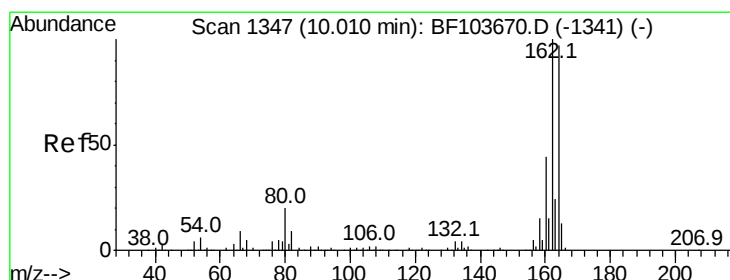
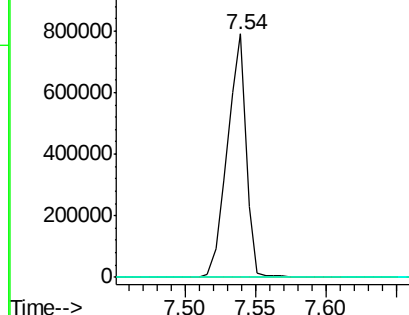
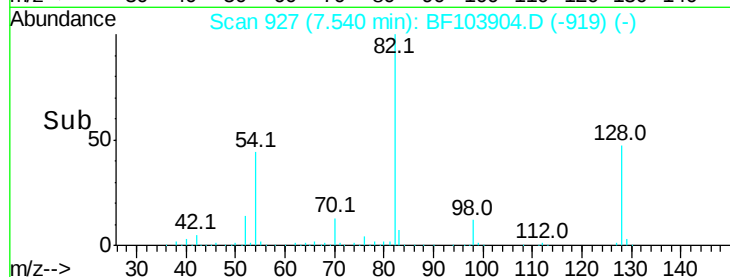
138 0.0 14.9 22.3#



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: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

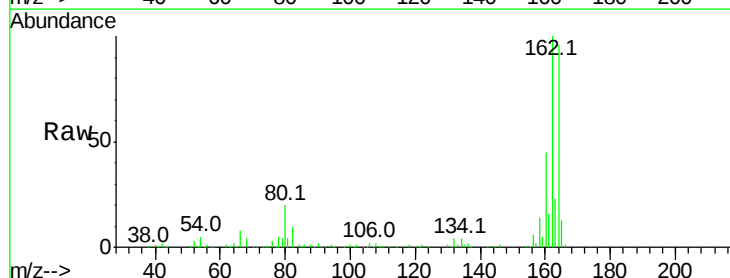
Tgt Ion:164 Resp: 206184

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

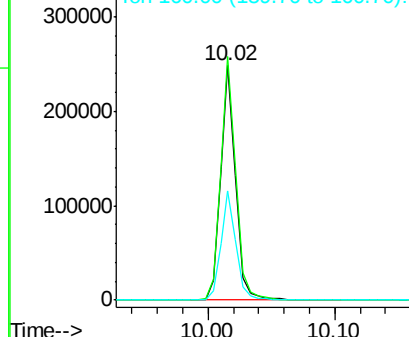
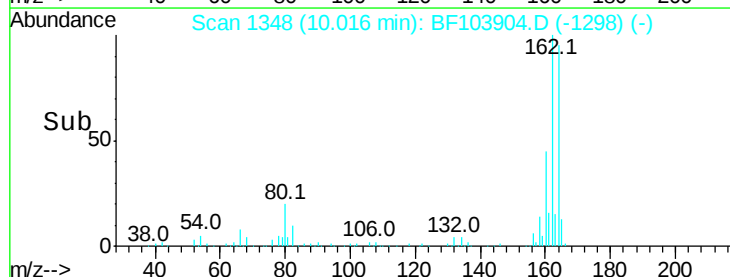
160 46.4 38.3 57.5

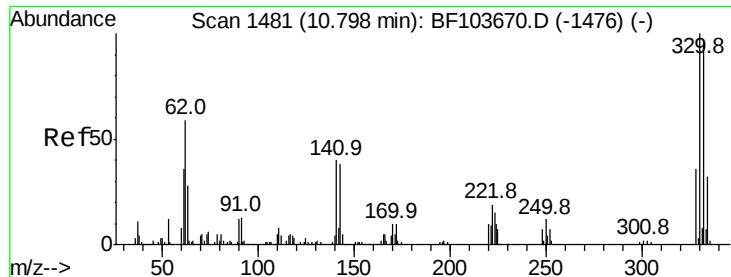


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

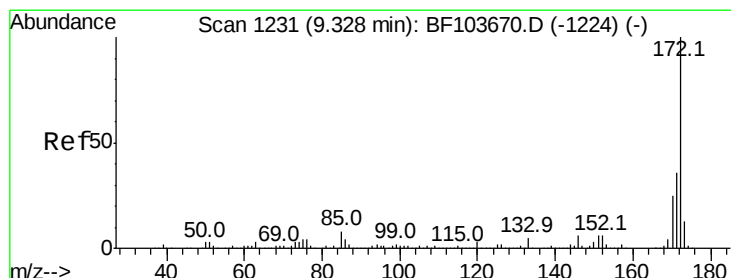
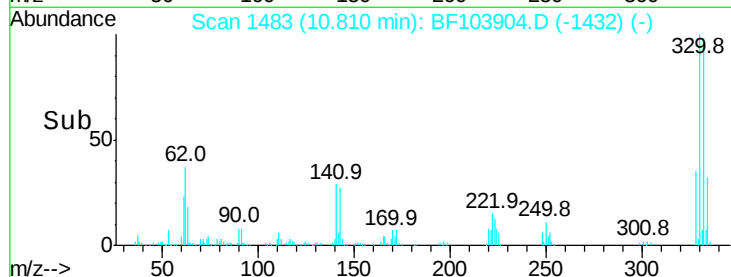
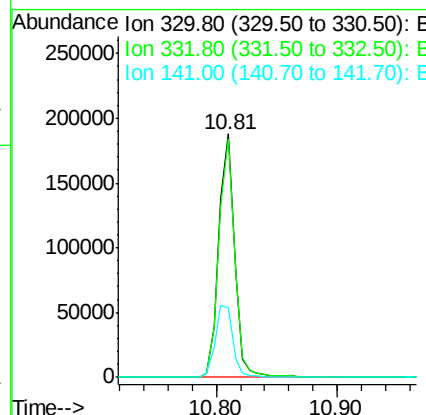
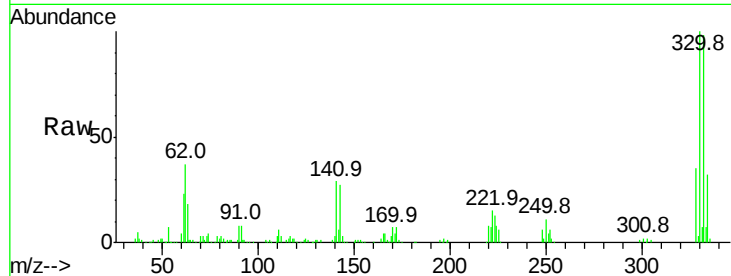




#41
 2,4,6-Tribromophenol
 Concen: 95.614 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF103904.D
 Acq: 24 Mar 2018 2:40

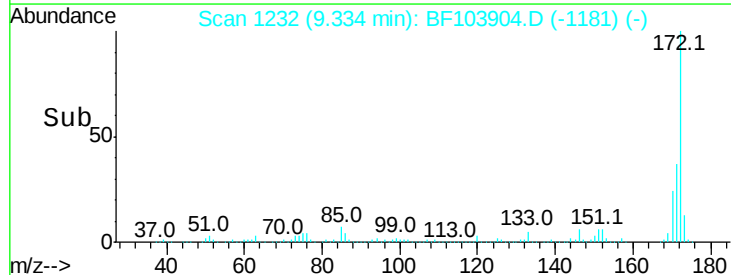
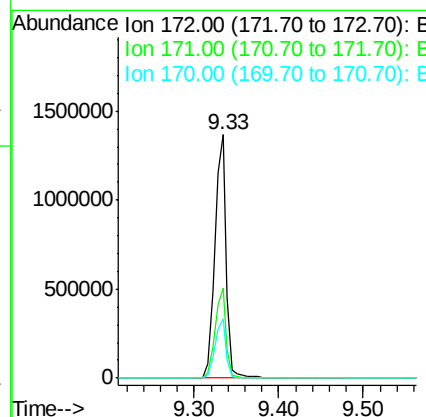
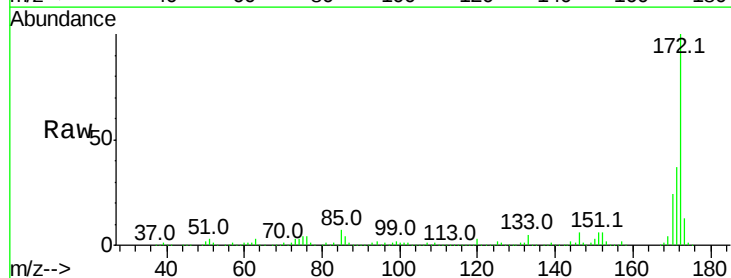
Instrument :
 BNA_F
 ClientSampled :

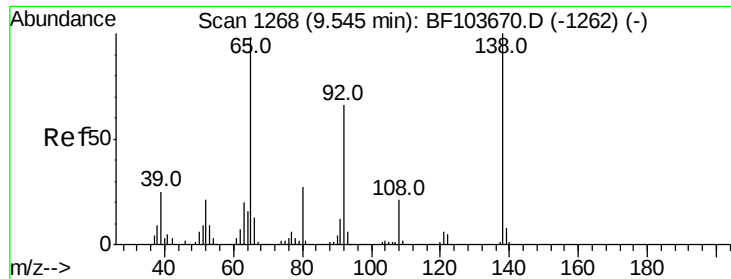
Tot Ion:330 Resp: 169503
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.0 115.6
 141 33.2 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 100.701 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF103904.D
 Acq: 24 Mar 2018 2:40

Tgt Ion:172 Resp: 1301624
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.4 19.6 29.4





#47

2-Nitroaniline

Concen: 6.841 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.16 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Instrument :

BNA_F

ClientSampleId :

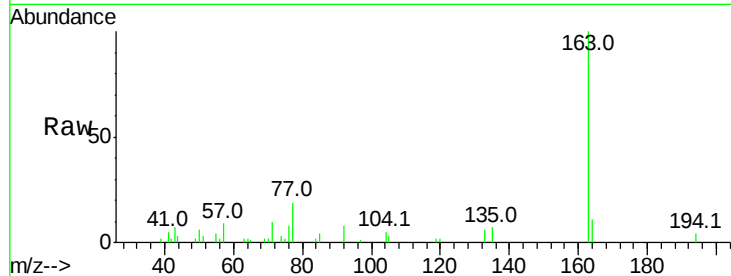
Tot Ion: 65 Resp: 110

Ion Ratio Lower Upper

65 100

92 567.2 55.8 83.6#

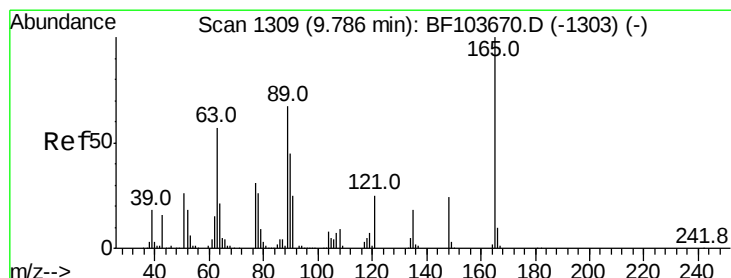
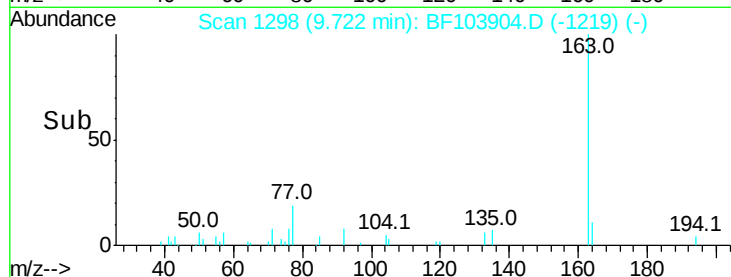
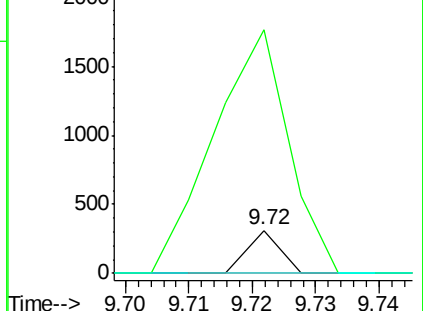
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#50

2,6-Dinitrotoluene

Concen: 11.984 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

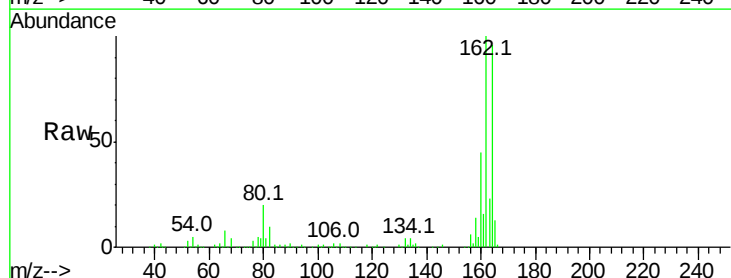
Tgt Ion: 165 Resp: 26549

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

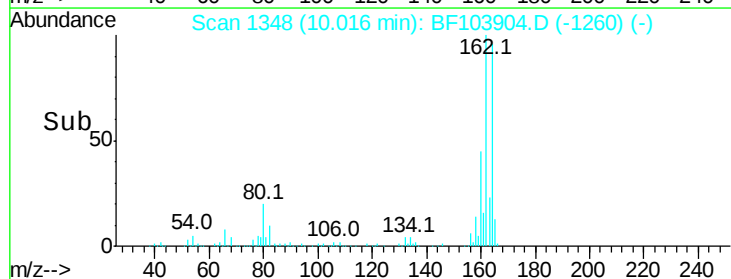
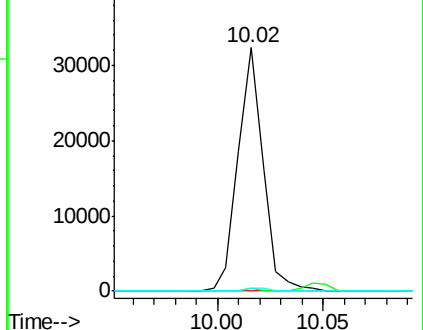
89 1.2 44.0 66.0#

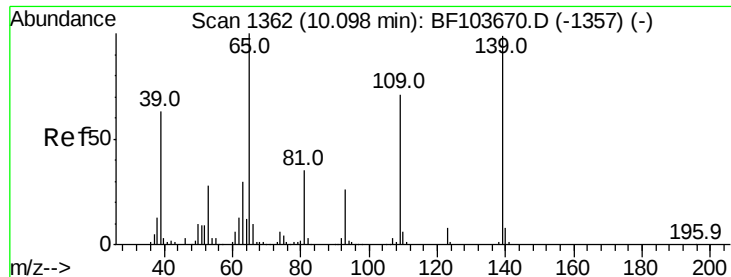


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 6.293 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.10 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Instrument :

BNA_F

ClientSampleId :

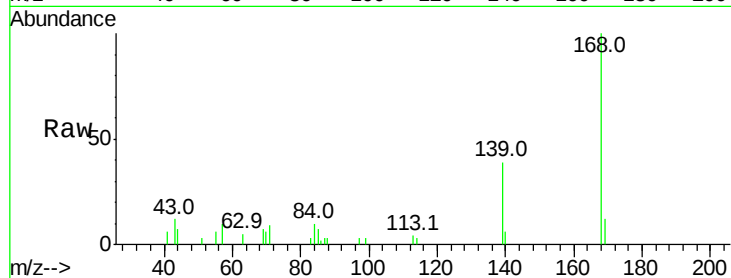
Tot Ion:139 Resp: 4064

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

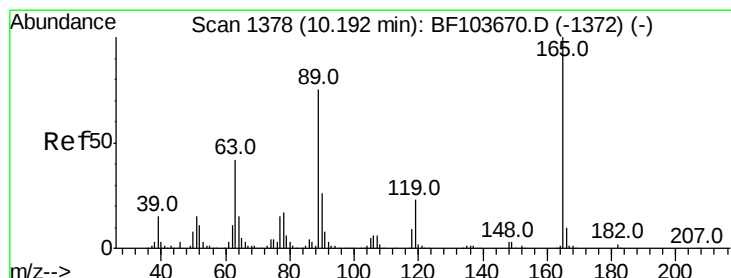
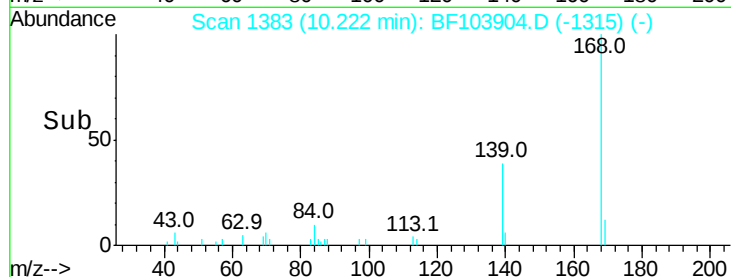
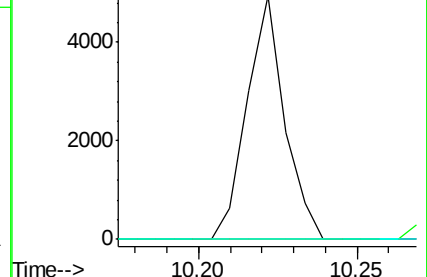
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 12.209 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.19 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Tgt Ion:165 Resp: 26549

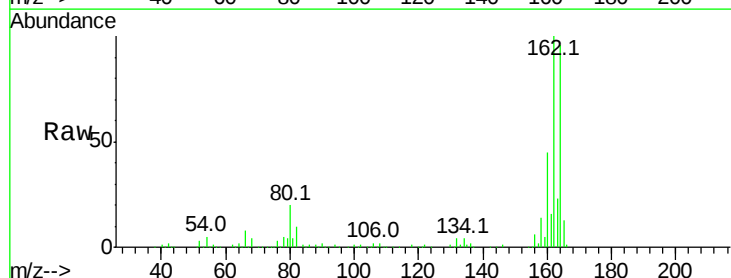
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

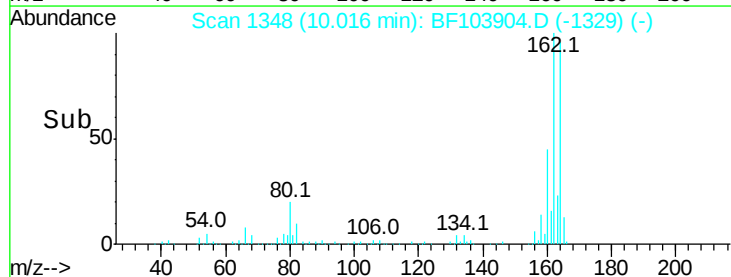
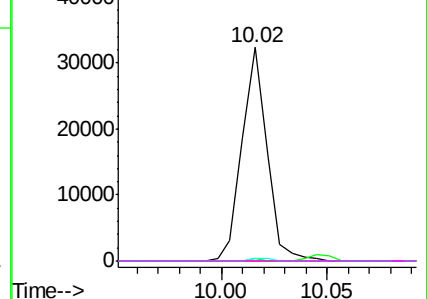


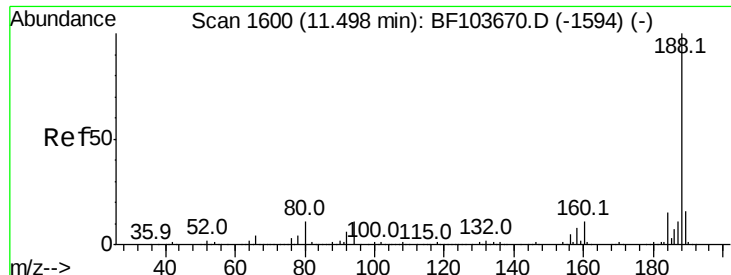
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Instrument :

BNA_F

ClientSampleId :

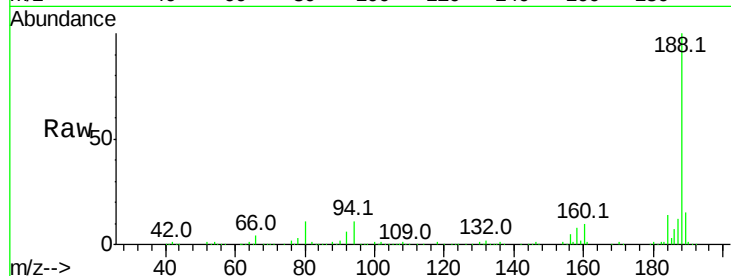
Tot Ion:188 Resp: 318424

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

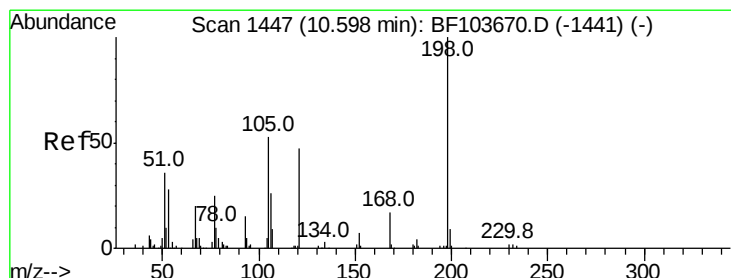
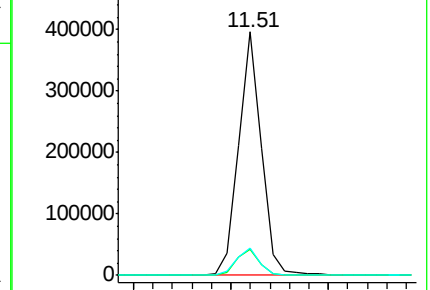
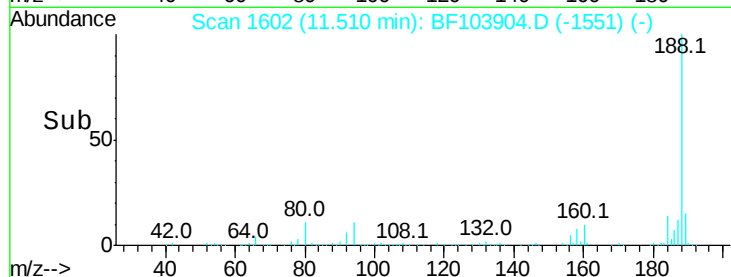
80 11.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.386 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

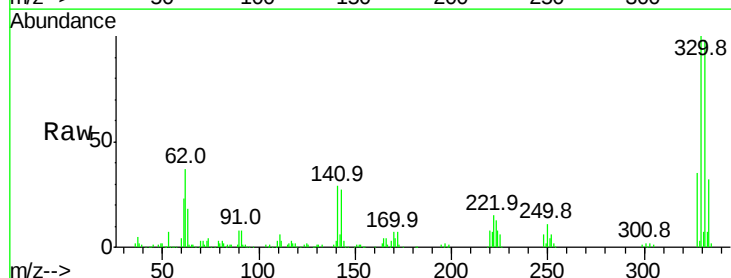
Tgt Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 140.3 37.7 77.7#

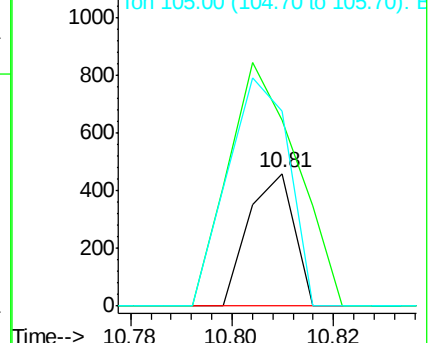
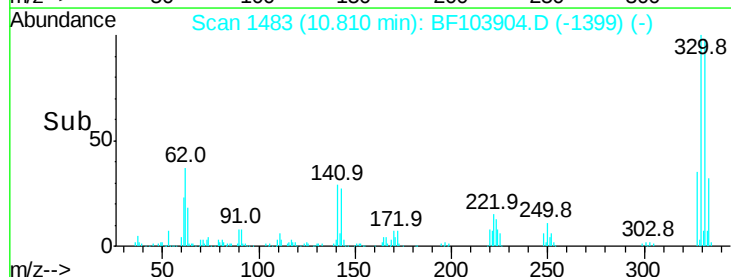
105 147.3 36.3 76.3#

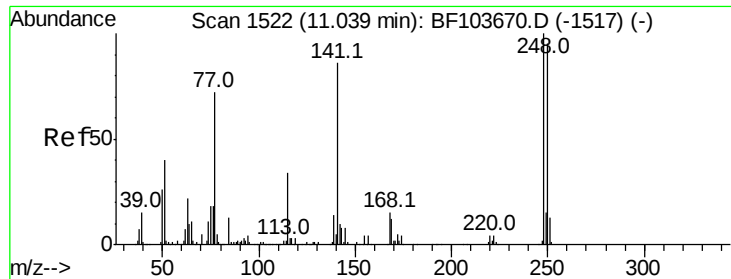


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

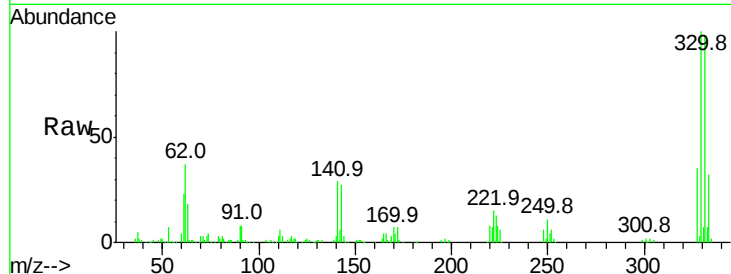




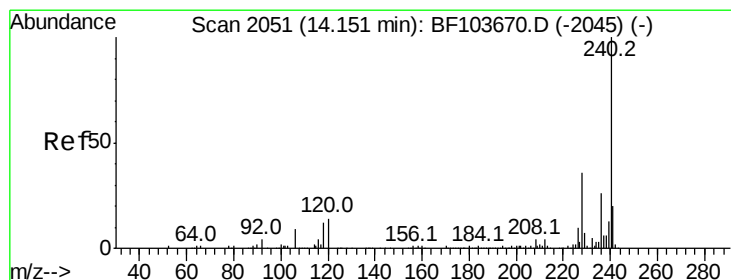
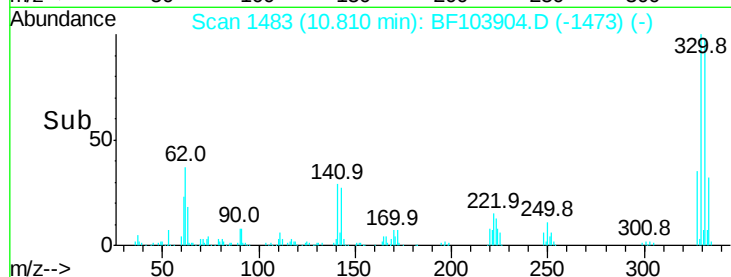
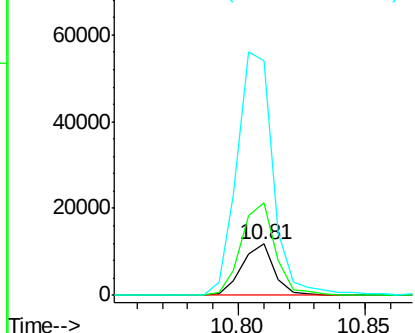
#66
4-Bromophenyl-phenylether
Concen: 3.217 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103904.D
Acq: 24 Mar 2018 2:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10518
Ion Ratio Lower Upper
248 100
250 179.9 76.9 115.3#
141 457.4 74.4 111.6#

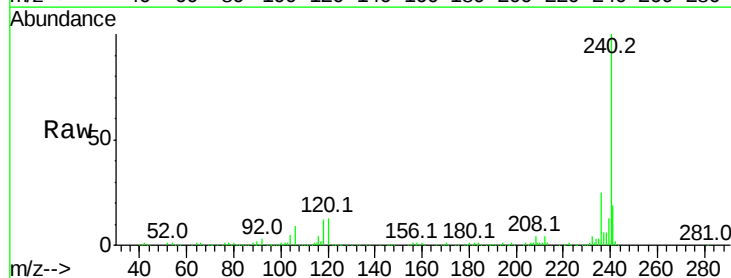


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

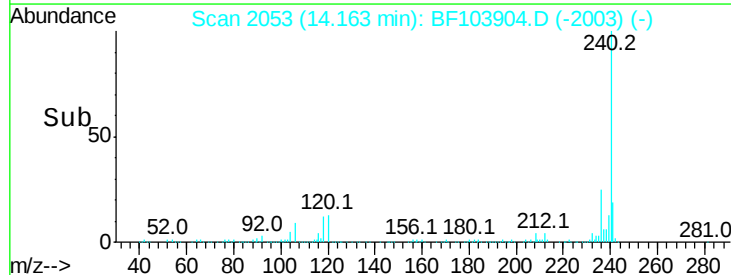
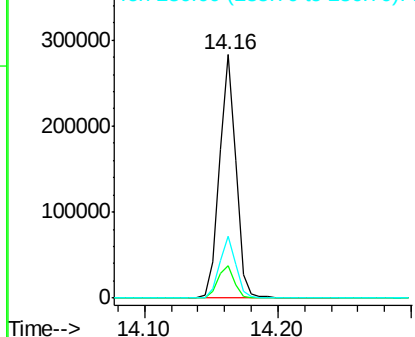


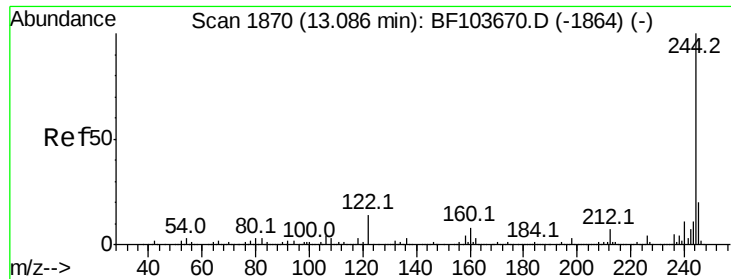
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF103904.D
Acq: 24 Mar 2018 2:40

Tgt Ion:240 Resp: 247708
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 25.2 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: 93.704 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

Instrument :

BNA_F

ClientSampled :

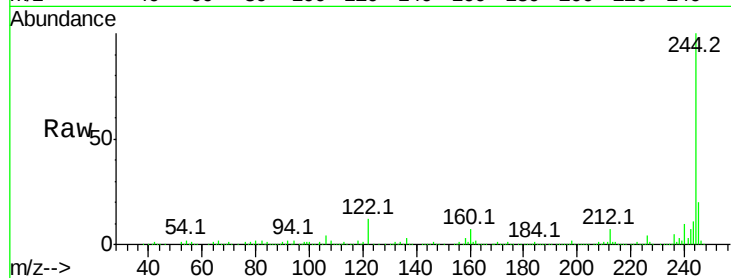
Tot Ion:244 Resp: 999987

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

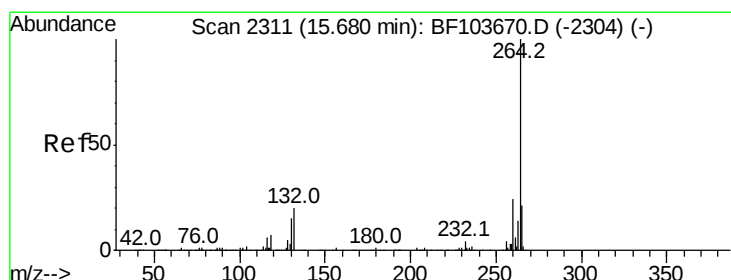
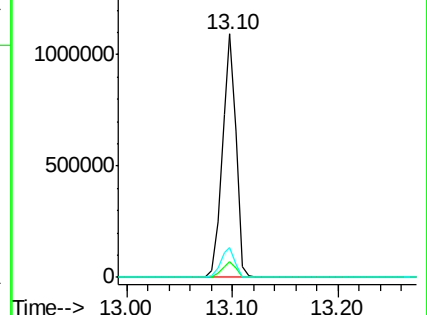
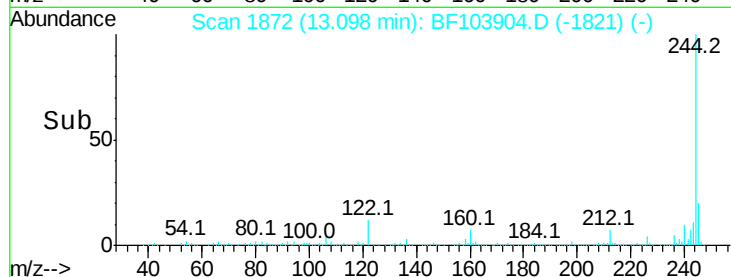
122 12.5 11.0 16.4



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: 15.71 min Scan# 2316

Delta R.T. 0.00 min

Lab File: BF103904.D

Acq: 24 Mar 2018 2:40

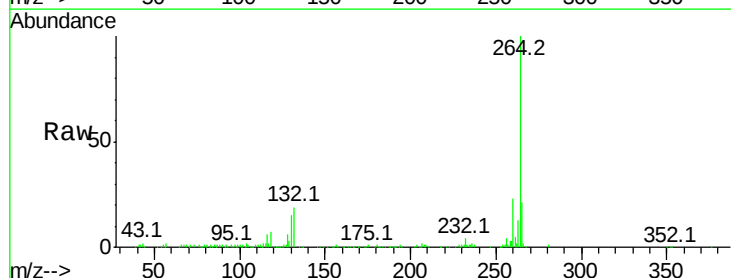
Tgt Ion:264 Resp: 186697

Ion Ratio Lower Upper

264 100

260 22.8 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

