

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021518\
 Data File : BF103018.D
 Acq On : 15 Feb 2018 15:33
 Operator : SJ/JU
 Sample : J1539-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-1-SW@5

Quant Time: Feb 15 16:56:54 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	173874	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	725410	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	330277	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	591201	20.00	ng	0.00
75) Chrysene-d12	14.04	240	488550	20.00	ng	-0.01
86) Perylene-d12	15.52	264	418038	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1386286	121.08	ng	0.00
7) Phenol-d6	6.51	99	1670426	121.17	ng	0.00
23) Nitrobenzene-d5	7.44	82	1079211	103.20	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	365771	137.59	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1480247	74.37	ng	0.00
78) Terphenyl-d14	12.99	244	1496725	72.54	ng	0.00

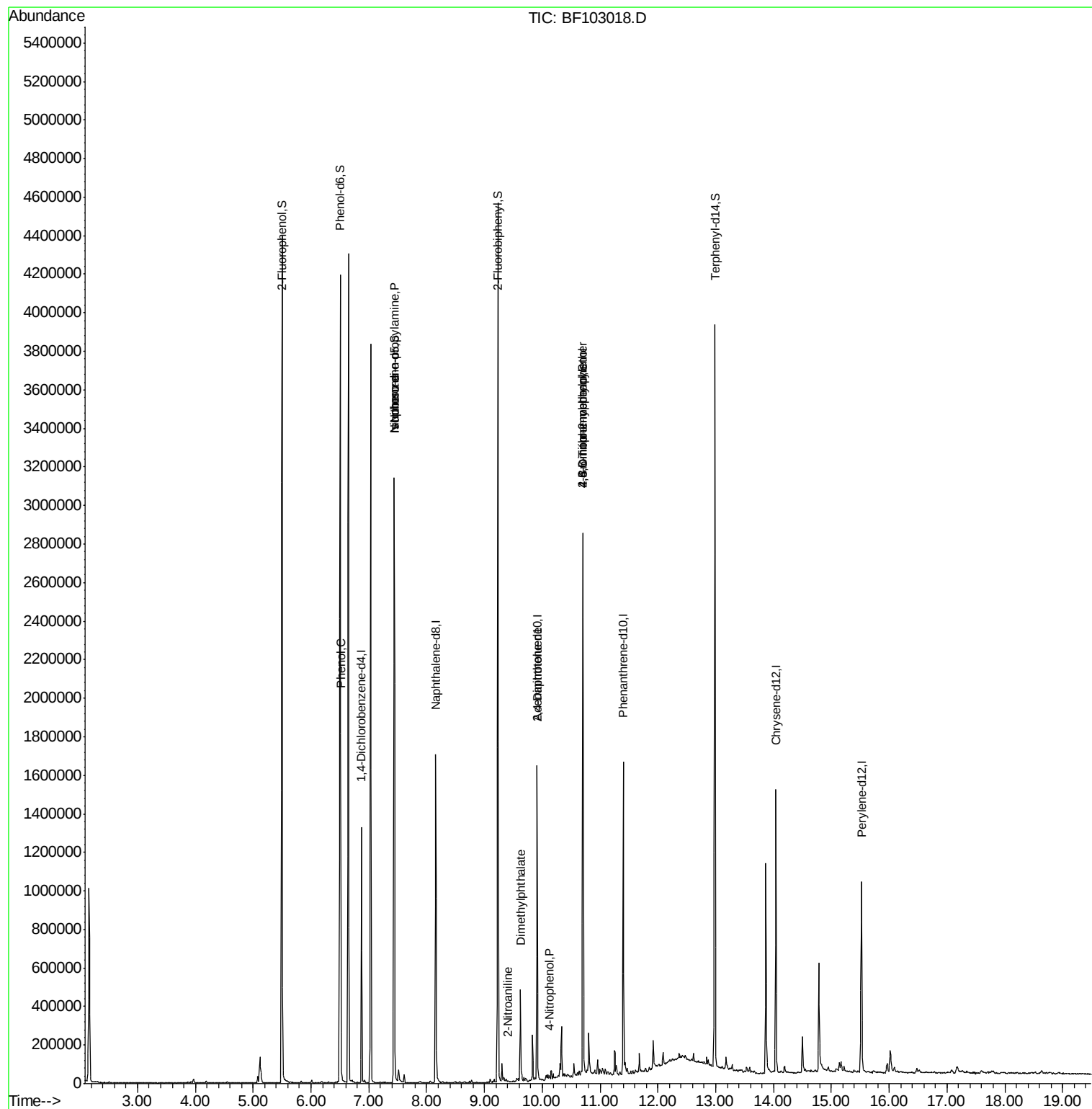
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	54931	3.718	ng	94
19) n-Nitroso-di-n-propylamine	7.44	70	141864	15.608	ng	# 80
25) Isophorone	7.44	82	1079200	44.819	ng	# 64
47) 2-Nitroaniline	9.41	65	117	3.488	ng	# 2
49) Dimethylphthalate	9.62	163	159700	6.201	ng	99
55) 4-Nitrophenol	10.12	139	384	4.098	ng	# 61
56) 2,4-Dinitrotoluene	9.91	165	42926	9.190	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	878	9.122	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	23604	3.774	ng	# 1

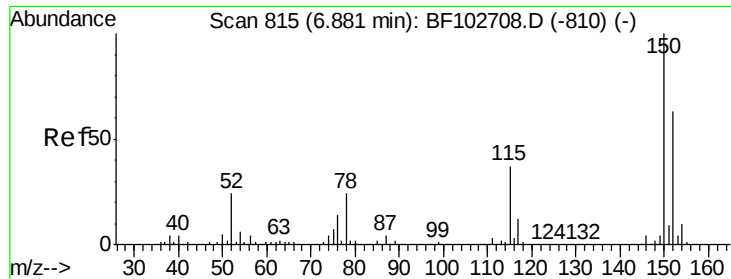
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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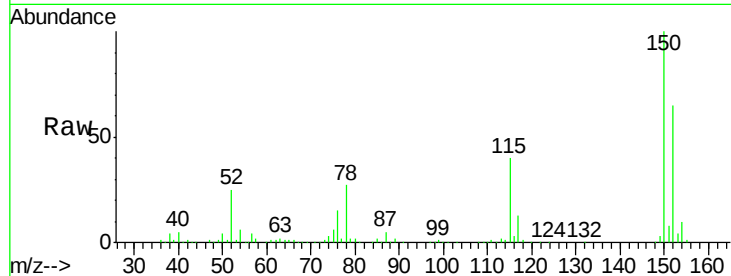


#1

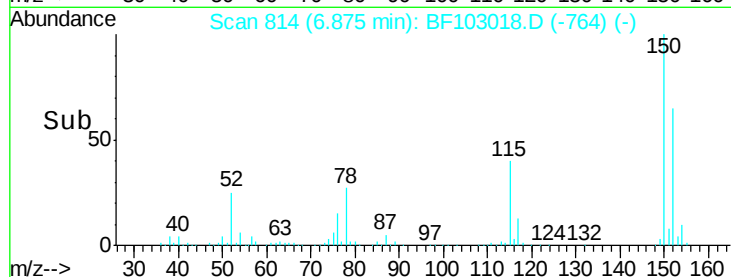
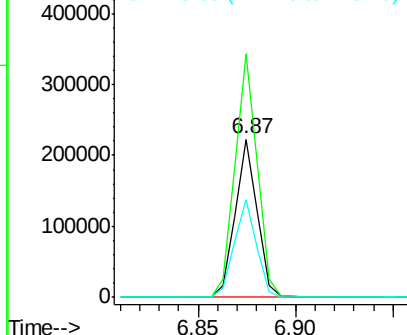
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103018.D
Acq: 15 Feb 2018 15:33

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-1-SW@5

Tgt Ion:152 Resp: 173874
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 61.6 50.1 75.1



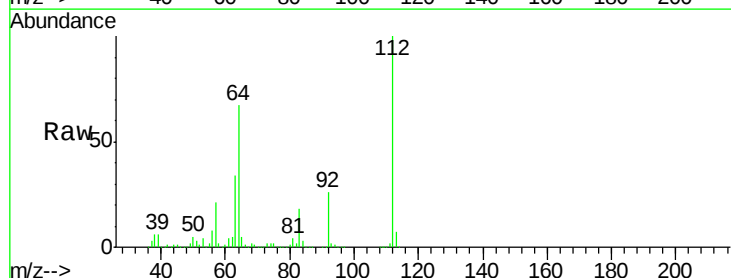
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



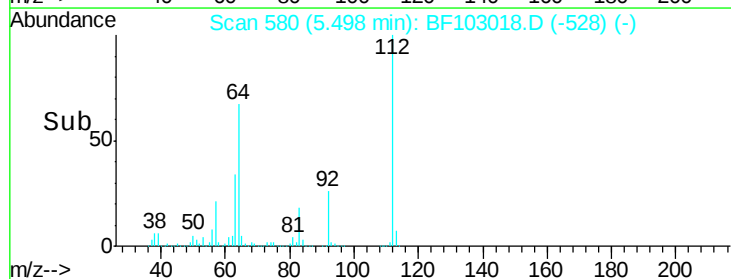
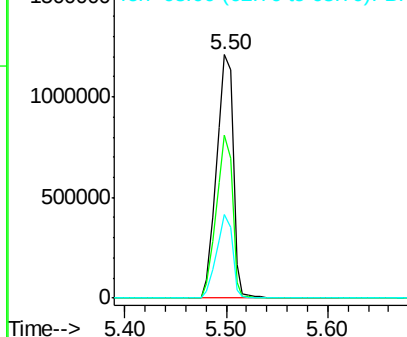
#5

2-Fluorophenol
Concen: 121.082 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103018.D
Acq: 15 Feb 2018 15:33

Tgt Ion:112 Resp: 1386286
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 34.3 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: 121.173 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-1-SW@5

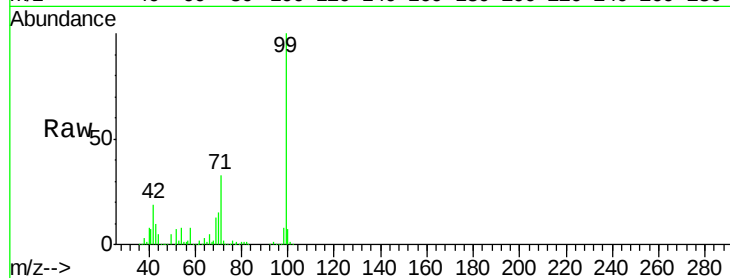
Tgt Ion: 99 Resp: 1670426

Ion Ratio Lower Upper

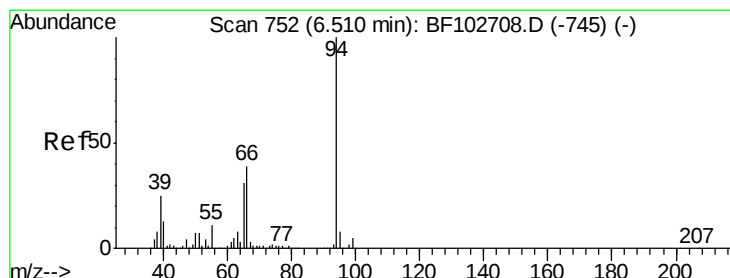
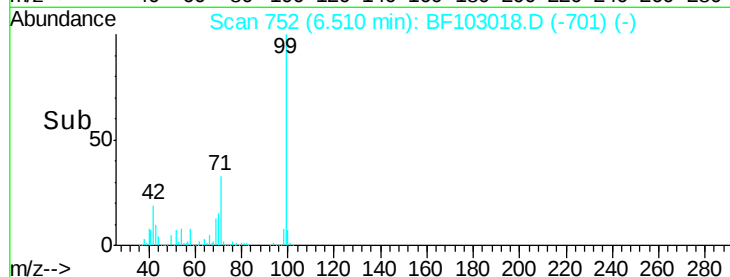
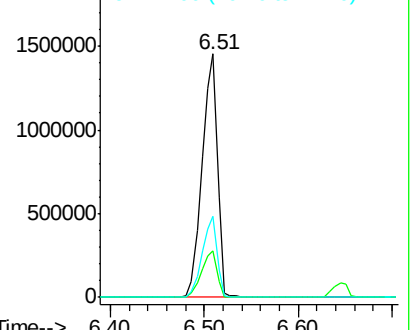
99 100

42 19.0 14.5 21.7

71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.718 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

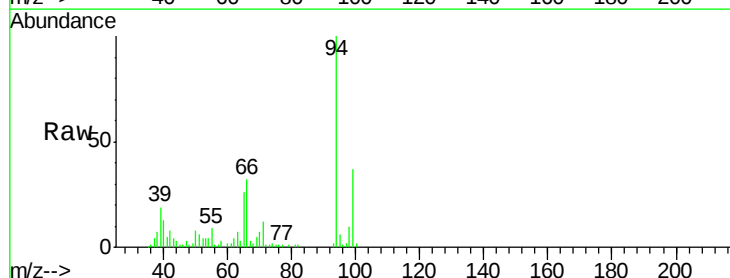
Tgt Ion: 94 Resp: 54931

Ion Ratio Lower Upper

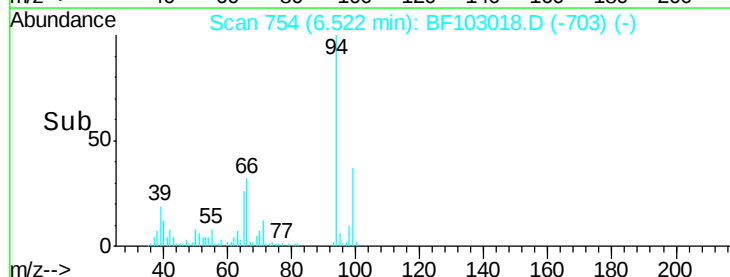
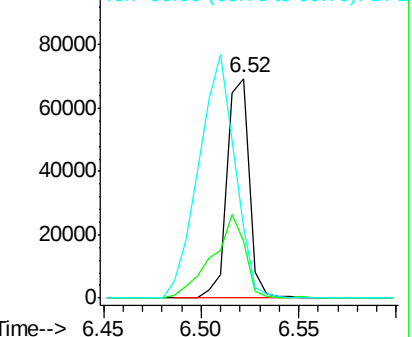
94 100

65 26.0 7.9 47.9

66 32.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.608 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-1-SW@5

Tgt Ion: 70 Resp: 141864

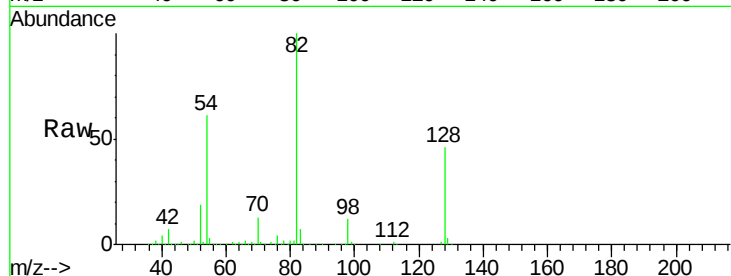
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

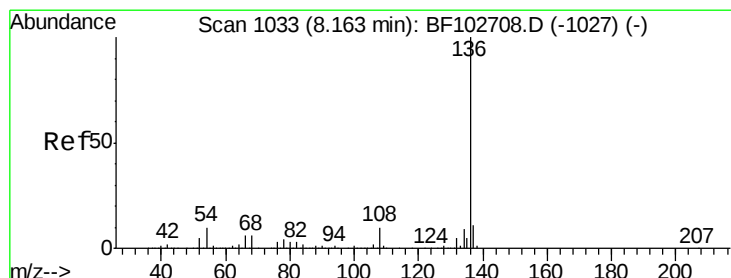
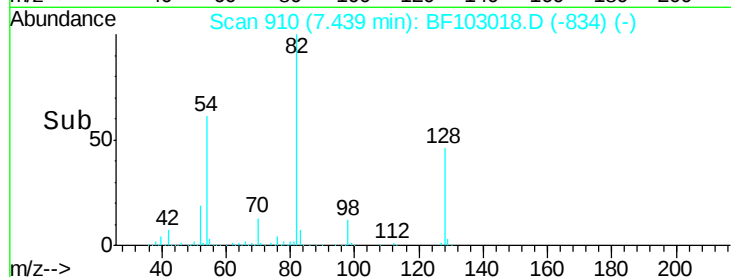
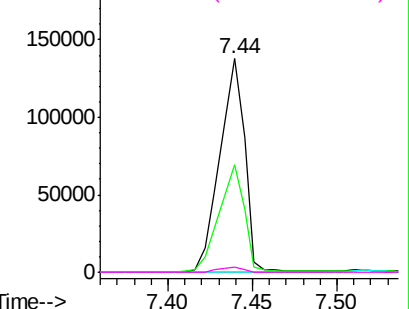


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

Tgt Ion: 136 Resp: 725410

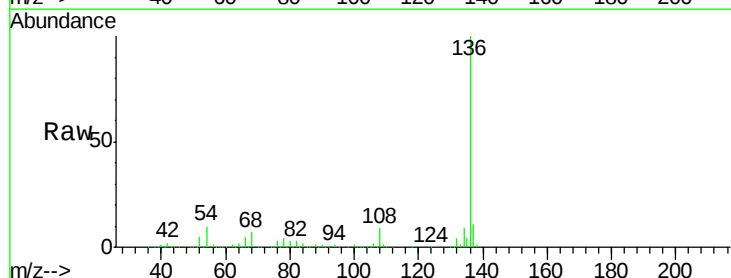
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.0 6.6 9.8#

68 6.9 5.0 7.4

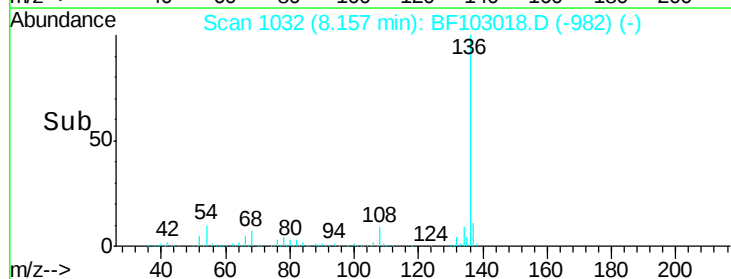
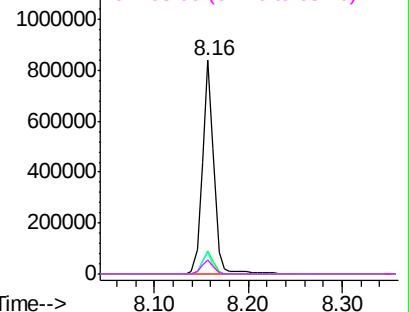


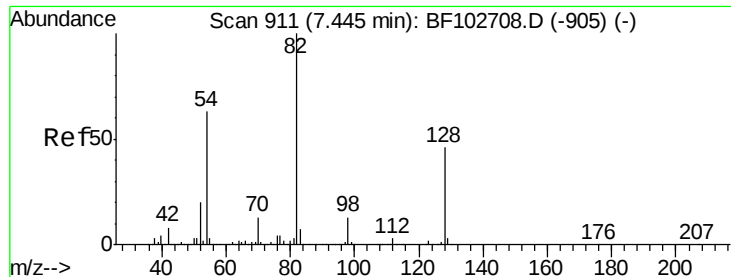
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

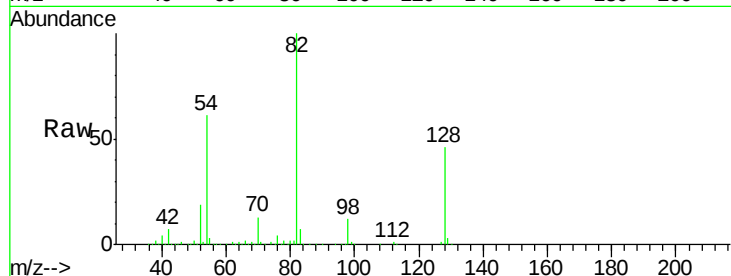




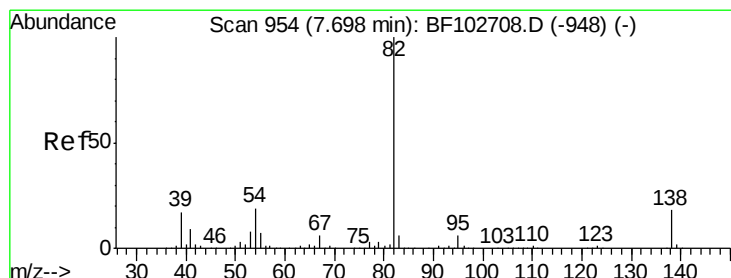
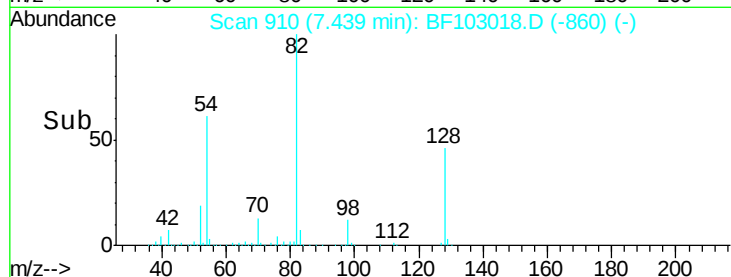
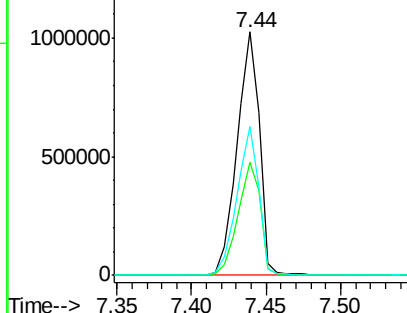
#23
 Nitrobenzene-d5
 Concen: 103.204 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-1-SW@5

Tgt Ion: 82 Resp: 1079211
 Ion Ratio Lower Upper
 82 100
 128 46.3 36.1 54.1
 54 61.0 41.4 62.2

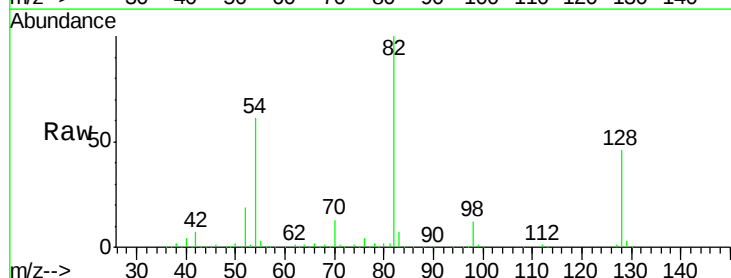


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

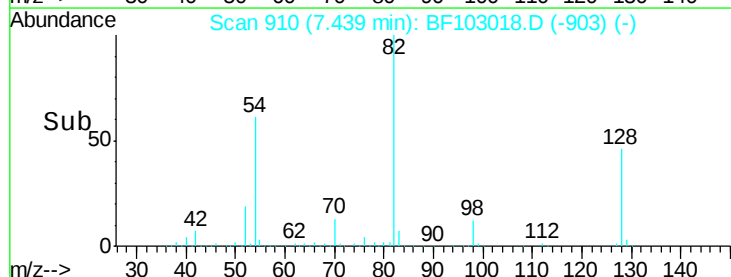
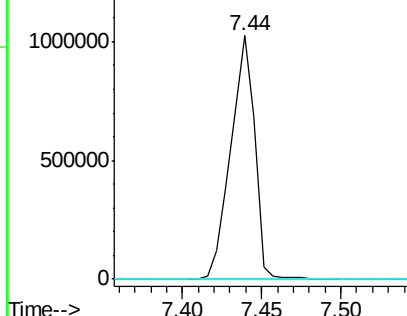


#25
 Isophorone
 Concen: 44.819 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

Tgt Ion: 82 Resp: 1079200
 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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-1-SW@5

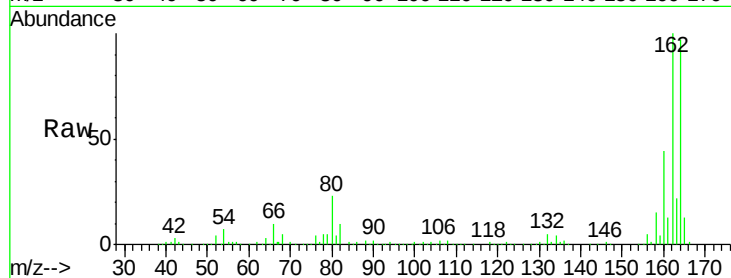
Tgt Ion:164 Resp: 330277

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

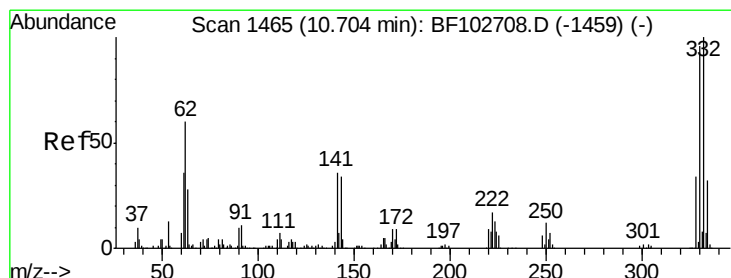
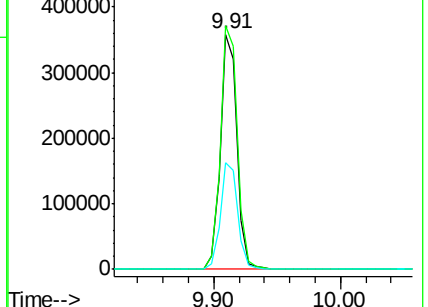
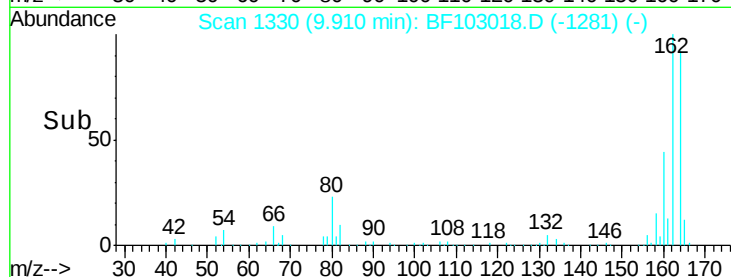
160 45.3 38.3 57.5



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: 137.594 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

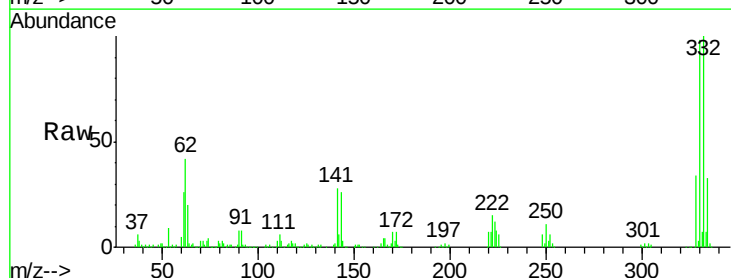
Tgt Ion:330 Resp: 365771

Ion Ratio Lower Upper

330 100

332 101.7 77.0 115.6

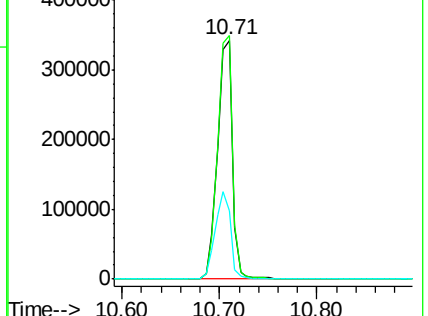
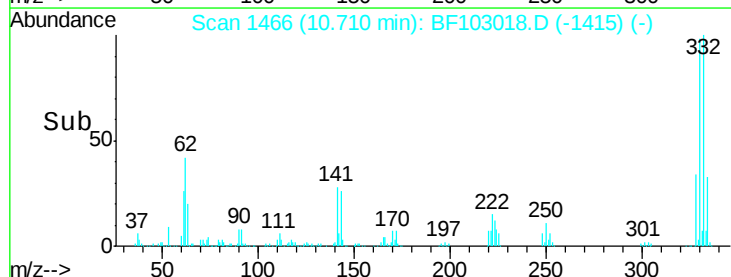
141 37.5 29.9 44.9

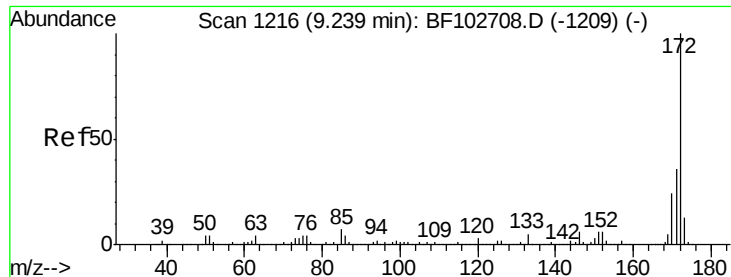


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

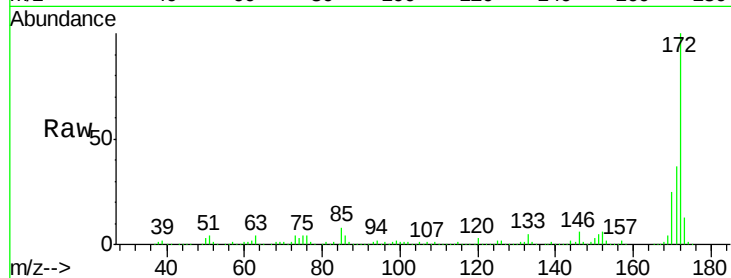




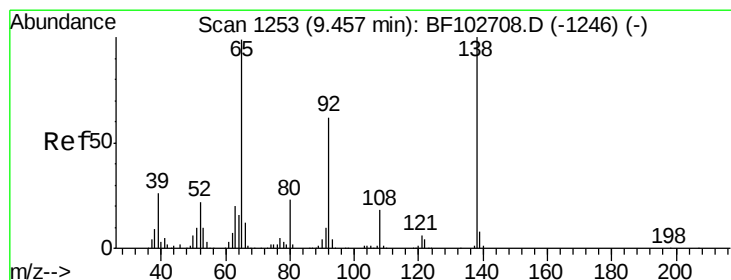
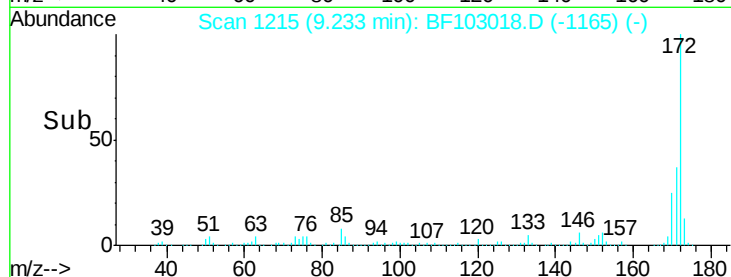
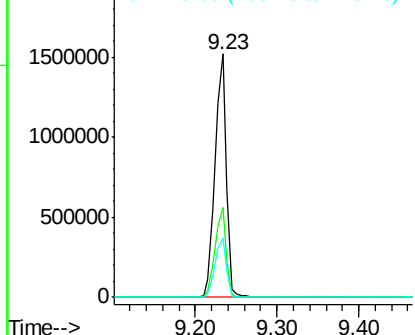
#44
 2-Fluorobiphenyl
 Concen: 74.370 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-1-SW@5

Tgt Ion: 172 Resp: 1480247
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.6 19.6 29.4

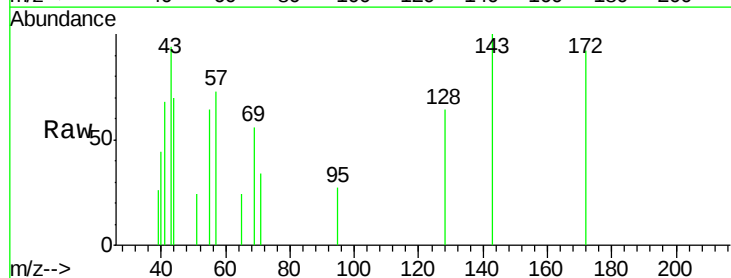


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

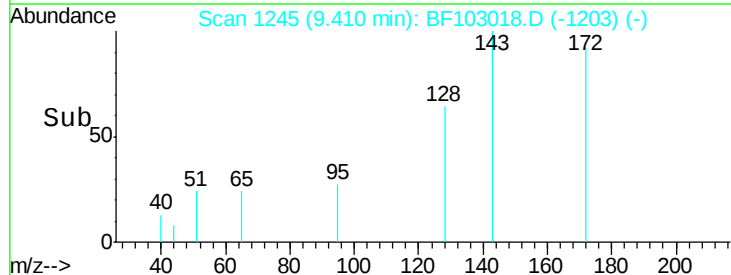
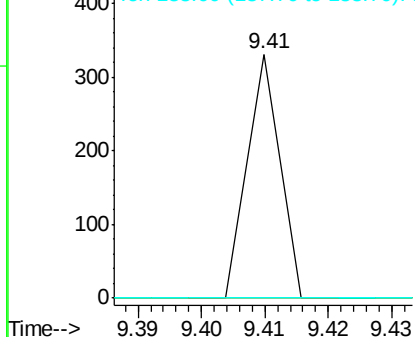


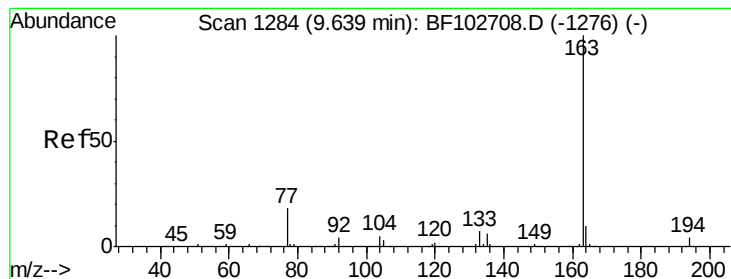
#47
 2-Nitroaniline
 Concen: 3.488 ng
 RT: 9.41 min Scan# 1245
 Delta R.T. -0.05 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

Tgt Ion: 65 Resp: 117
 Ion Ratio Lower Upper
 65 100
 92 0.0 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): E





#49

Dimethylphthalate

Concen: 6.201 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-1-SW@5

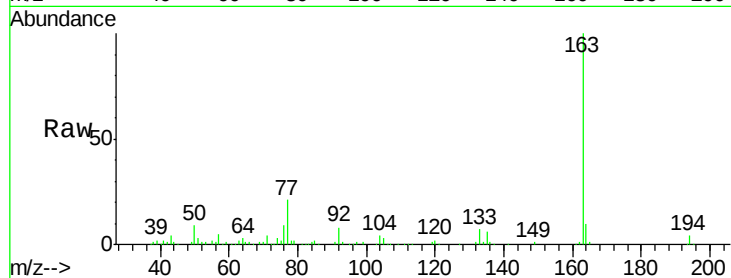
Tgt Ion:163 Resp: 159700

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

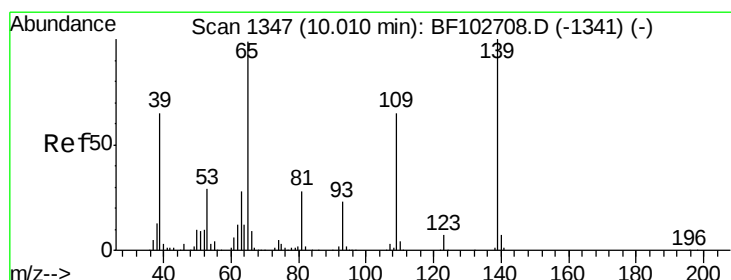
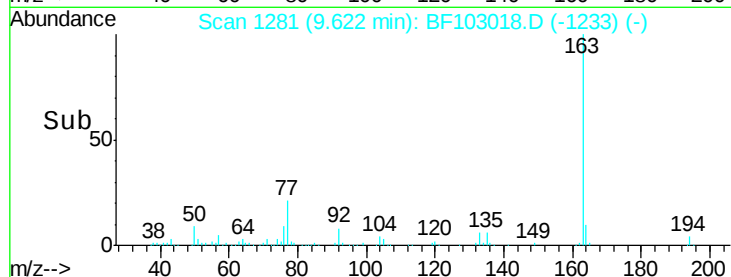
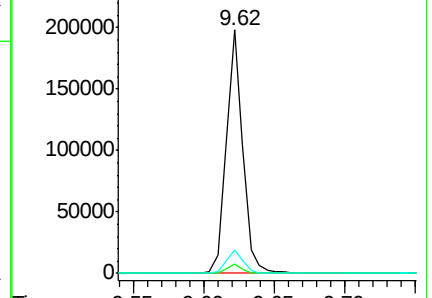
164 9.9 8.2 12.2



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



#55

4-Nitrophenol

Concen: 4.098 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.08 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

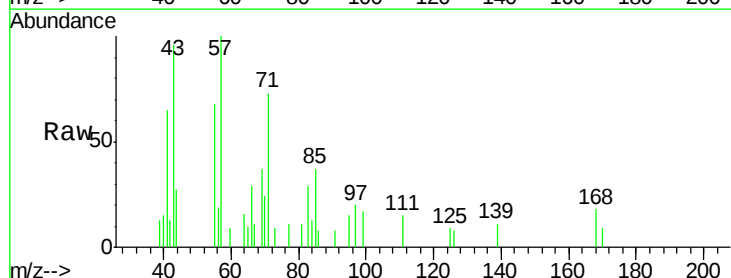
Tgt Ion:139 Resp: 384

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

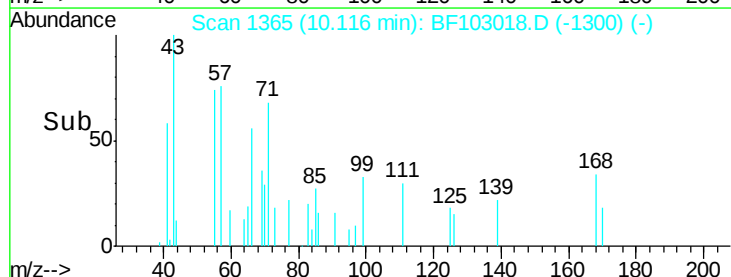
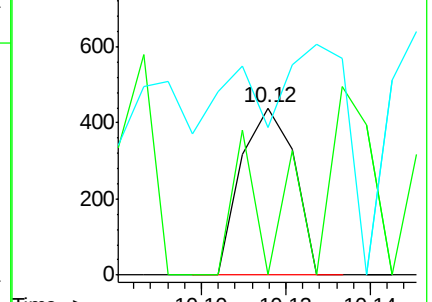
65 88.0 72.6 112.6



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

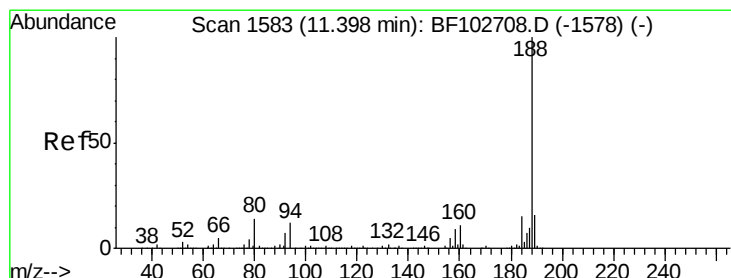
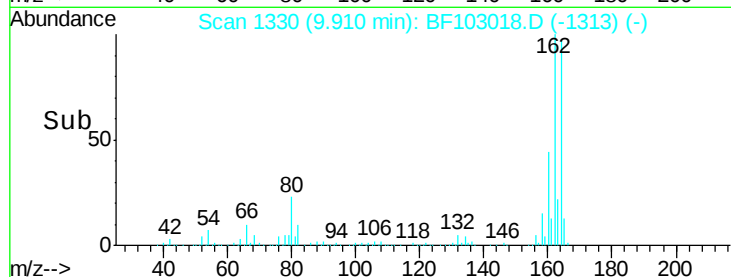
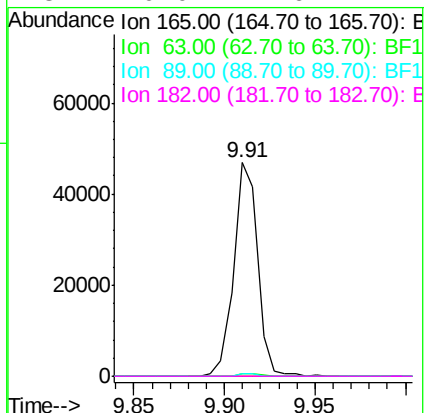
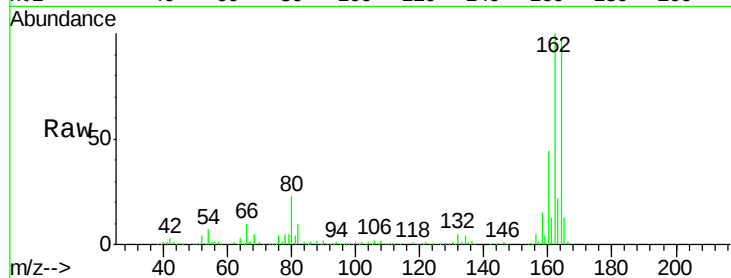




#56
 2,4-Dinitrotoluene
 Concen: 9.190 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

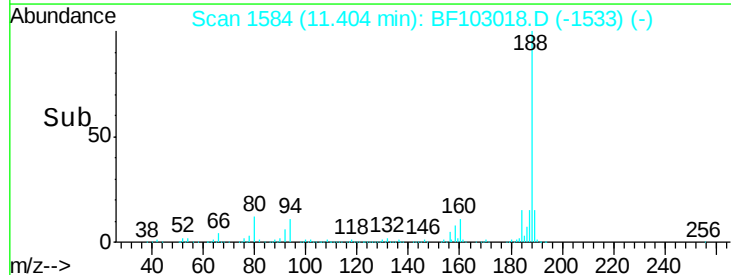
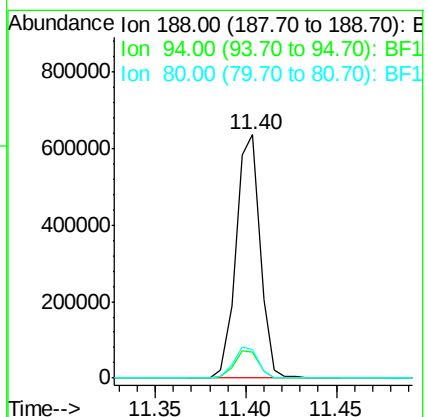
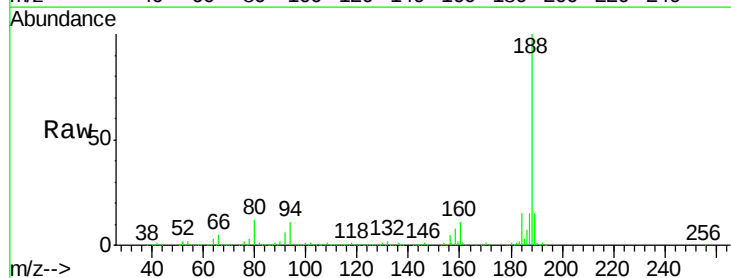
Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-1-SW@5

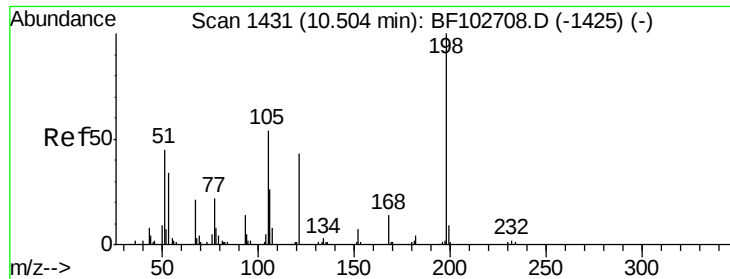
Tgt Ion:	165	Resp:	42926
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

Tgt Ion:	188	Resp:	591201
Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.5	9.2	13.8

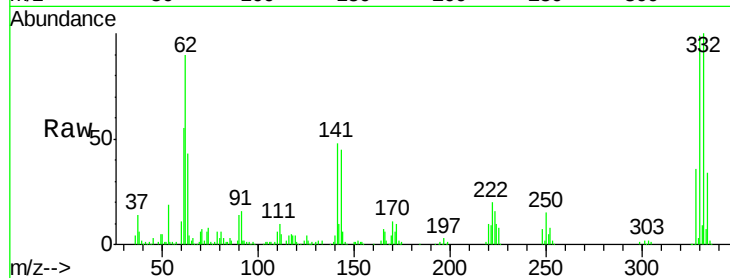




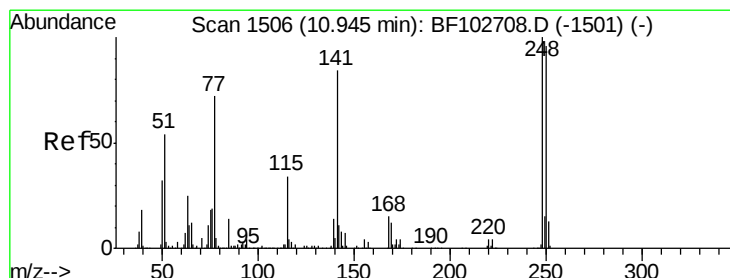
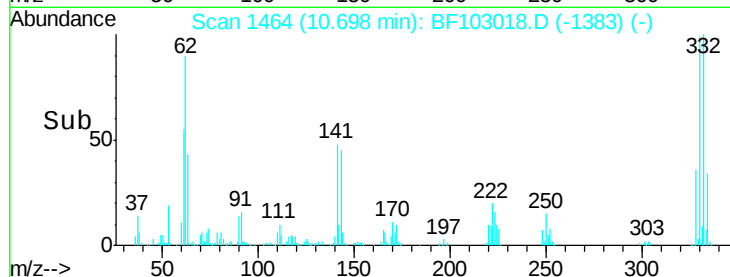
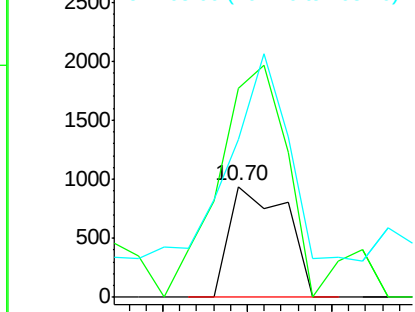
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.122 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-1-SW@5

Tgt Ion:198 Resp: 878
 Ion Ratio Lower Upper
 198 100
 51 189.3 37.7 77.7#
 105 143.3 36.3 76.3#

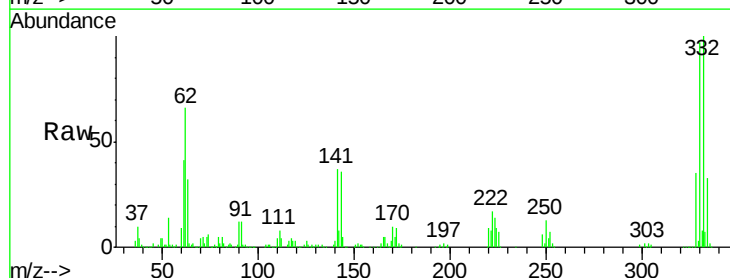


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

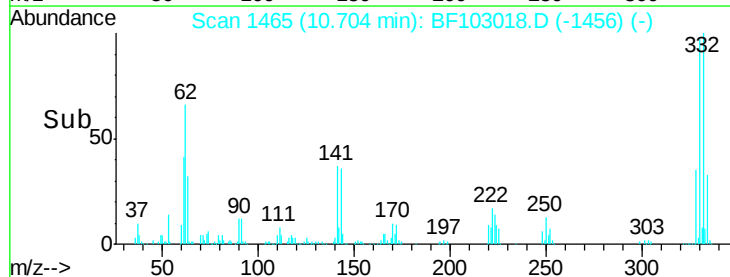
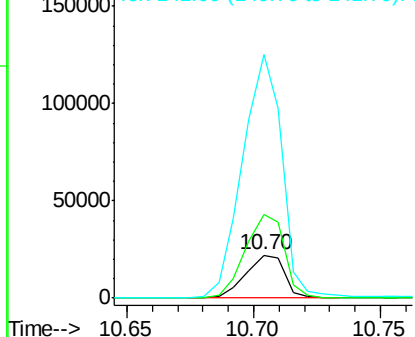


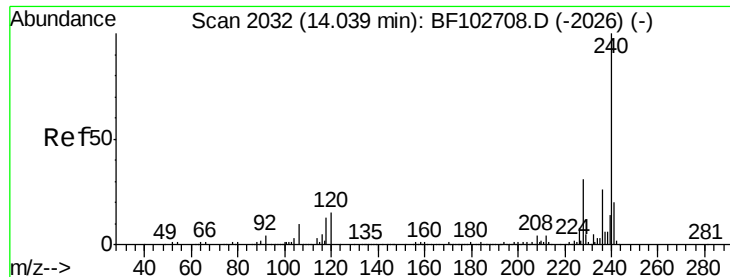
#66
 4-Bromophenyl-phenylether
 Concen: 3.774 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103018.D
 Acq: 15 Feb 2018 15:33

Tgt Ion:248 Resp: 23604
 Ion Ratio Lower Upper
 248 100
 250 196.0 76.9 115.3#
 141 570.8 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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-1-SW@5

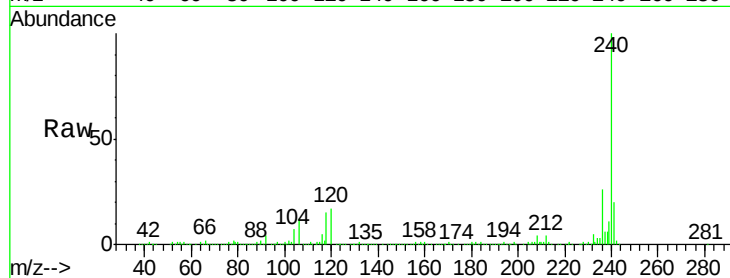
Tgt Ion:240 Resp: 488550

Ion Ratio Lower Upper

240 100

120 16.6 9.5 14.3#

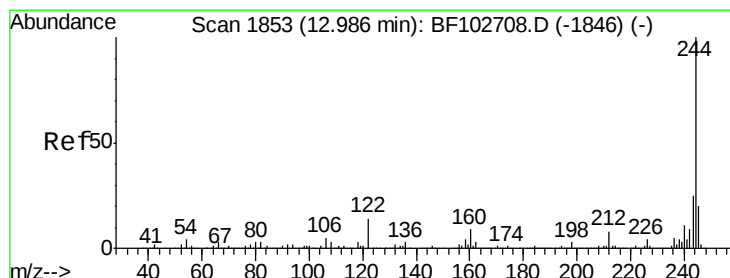
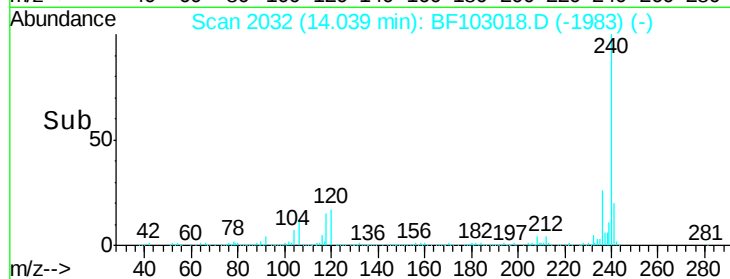
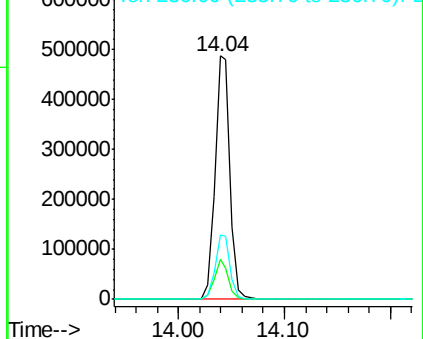
236 26.4 20.7 31.1



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: 72.539 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103018.D

Acq: 15 Feb 2018 15:33

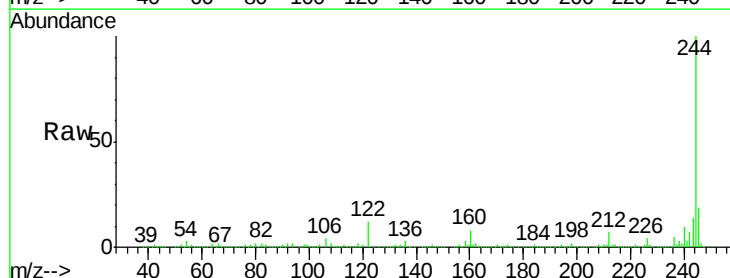
Tgt Ion:244 Resp: 1496725

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

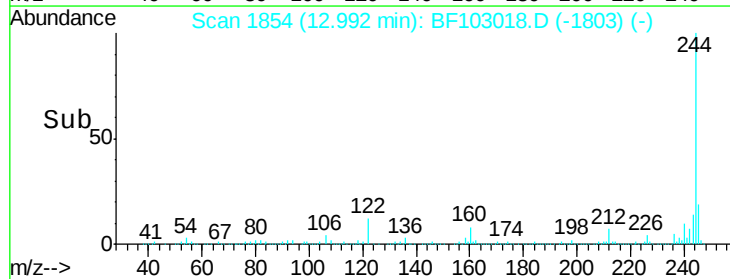
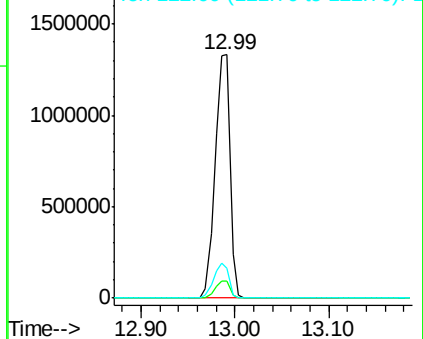
122 12.3 11.0 16.4

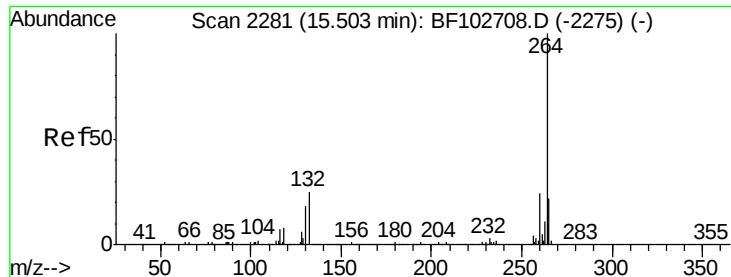


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF103018.D
Acq: 15 Feb 2018 15:33

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-1-SW@5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3

