

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021518\
 Data File : BF103017.D
 Acq On : 15 Feb 2018 15:06
 Operator : SJ/JU
 Sample : J1539-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAIN-ST-LINE-2-WW@4

Quant Time: Feb 15 16:56:34 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	174739	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	743182	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	336606	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	599305	20.00	ng	0.00
75) Chrysene-d12	14.04	240	488899	20.00	ng	0.00
86) Perylene-d12	15.52	264	411369	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1428995	124.19	ng	0.01
7) Phenol-d6	6.51	99	1717382	123.96	ng	0.00
23) Nitrobenzene-d5	7.44	82	1122955	104.82	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	374927	138.39	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1617692	79.75	ng	0.00
78) Terphenyl-d14	12.99	244	1553435	75.23	ng	0.00

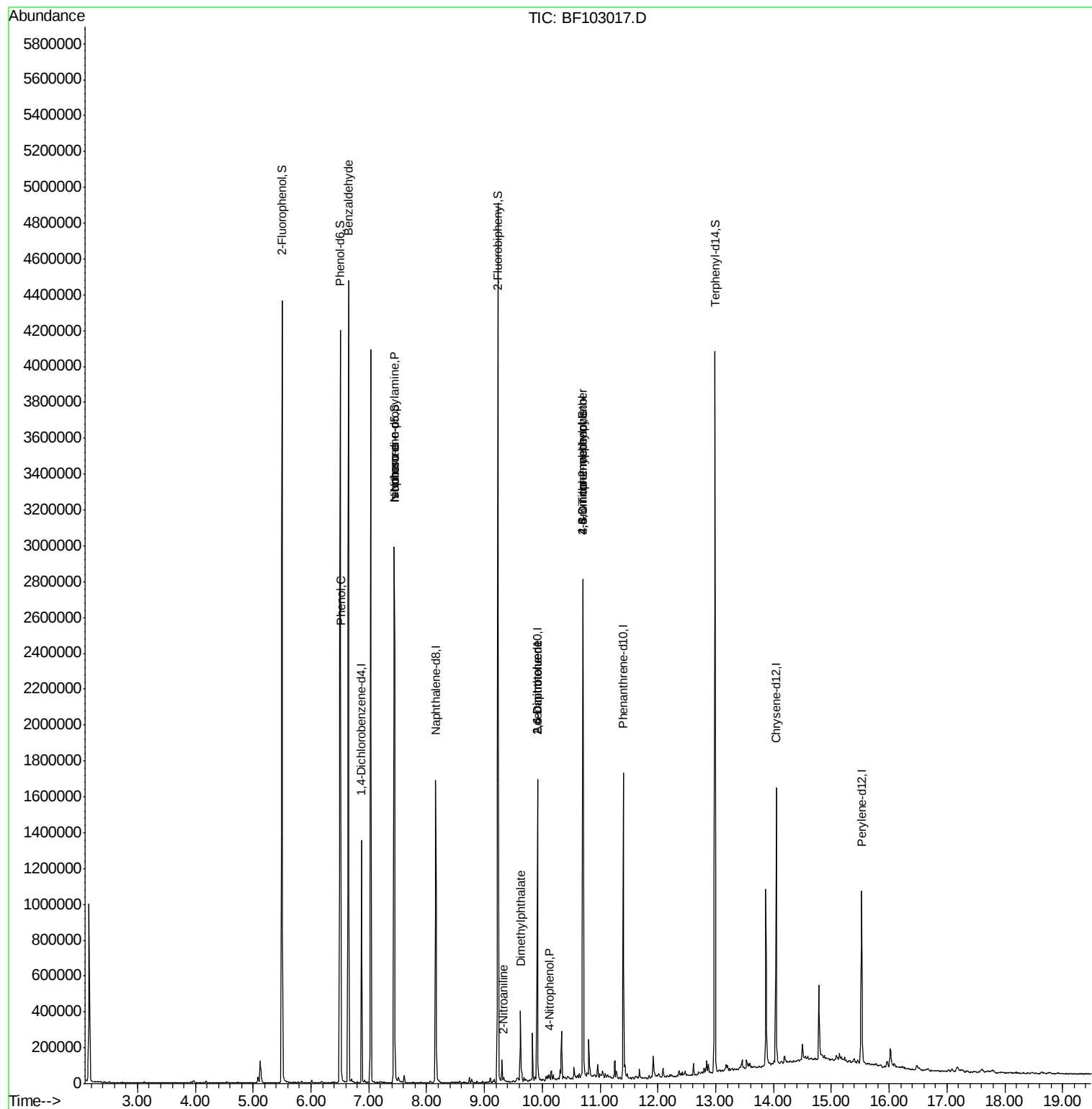
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	30246	2.940	ng	87
10) Phenol	6.52	94	55241	3.721	ng	99
19) n-Nitroso-di-n-propylamine	7.44	70	149232	16.337	ng	# 82
25) Isophorone	7.44	82	1122946	45.521	ng	# 64
47) 2-Nitroaniline	9.32	65	110	3.487	ng	# 2
49) Dimethylphthalate	9.62	163	134377	5.120	ng	99
50) 2,6-Dinitrotoluene	9.92	165	44898	8.992	ng	# 26
55) 4-Nitrophenol	10.12	139	497	4.117	ng	# 32
56) 2,4-Dinitrotoluene	9.92	165	44898	9.350	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	815	9.095	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	24555	3.873	ng	# 1

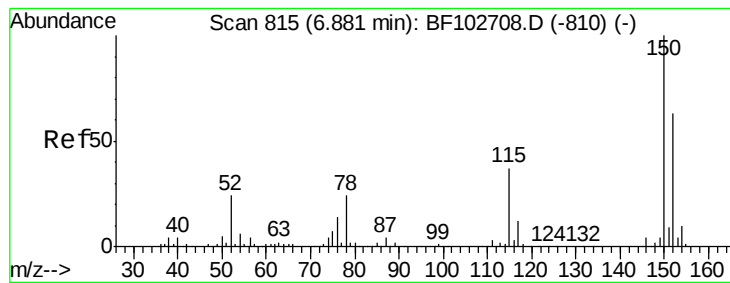
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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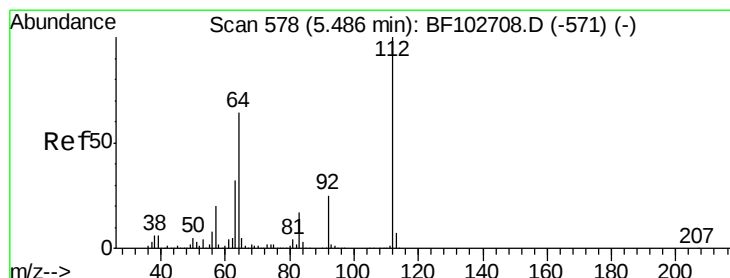
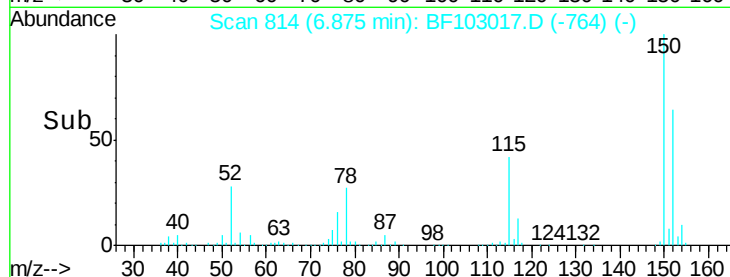
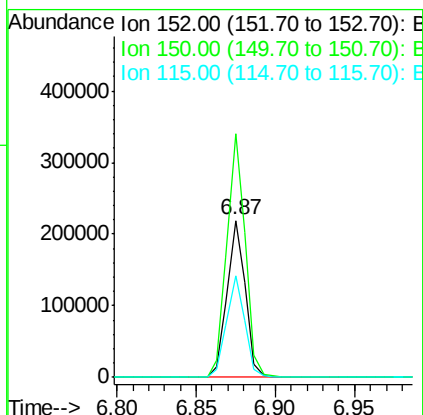
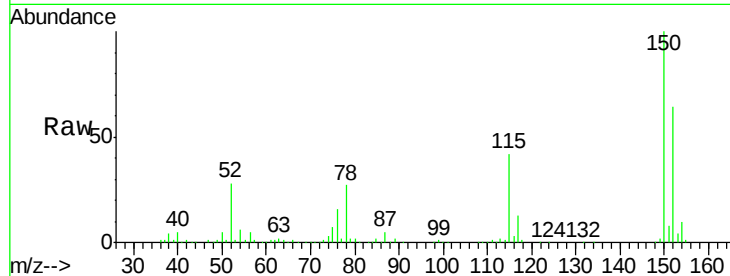


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103017.D
Acq: 15 Feb 2018 15:06

Instrument :
BNA_F
ClientSampleId :
MAIN-ST-LINE-2-WW@4

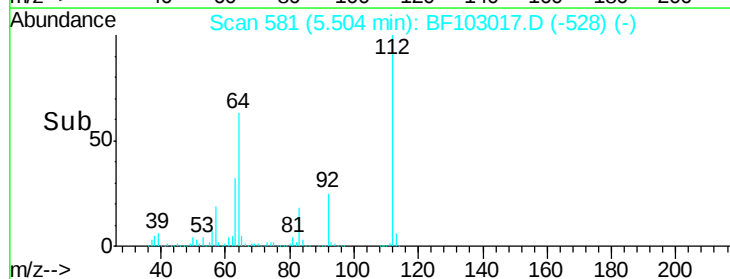
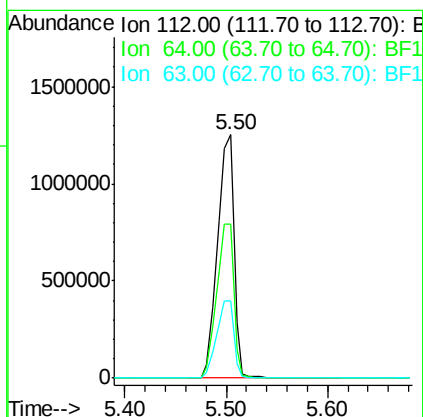
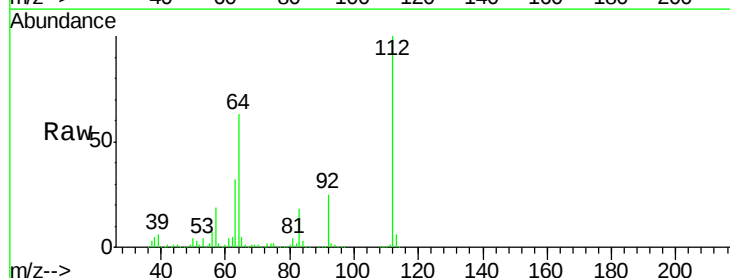
Tgt Ion:152 Resp: 174739
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 64.8 50.1 75.1

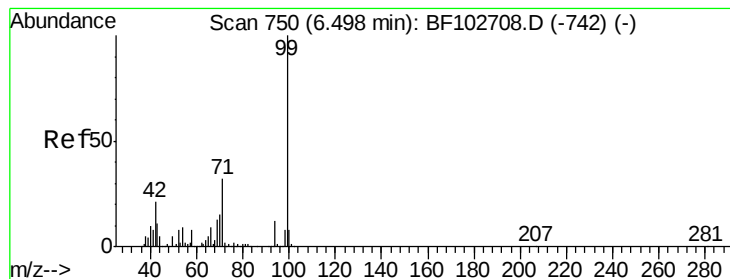


#5

2-Fluorophenol
Concen: 124.195 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103017.D
Acq: 15 Feb 2018 15:06

Tgt Ion:112 Resp: 1428995
Ion Ratio Lower Upper
112 100
64 63.0 47.9 71.9
63 31.7 23.7 35.5





#7

Phenol-d6

Concen: 123.962 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

Instrument :

BNA_F

ClientSampleId :

MAIN-ST-LINE-2-WW@4

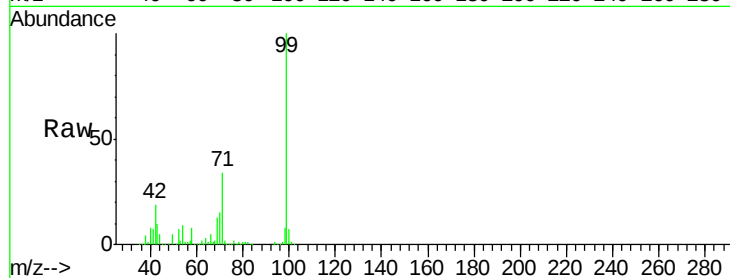
Tgt Ion: 99 Resp: 1717382

Ion Ratio Lower Upper

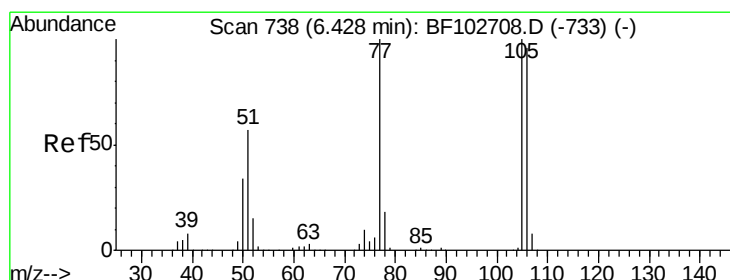
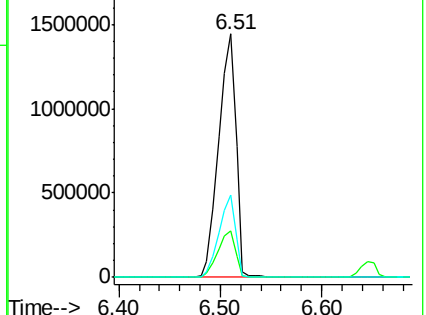
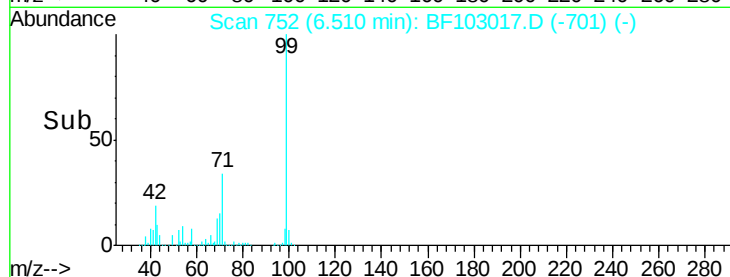
99 100

42 19.3 14.5 21.7

71 34.1 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



#9

Benzaldehyde

Concen: 2.940 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

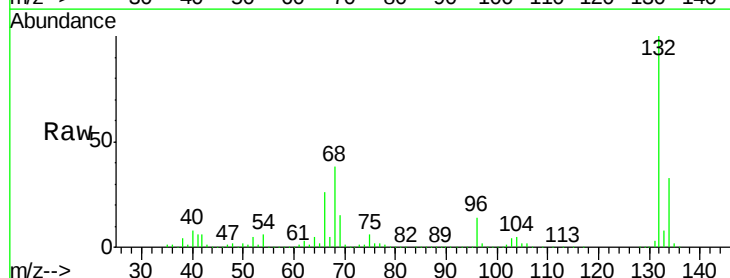
Tgt Ion: 77 Resp: 30246

Ion Ratio Lower Upper

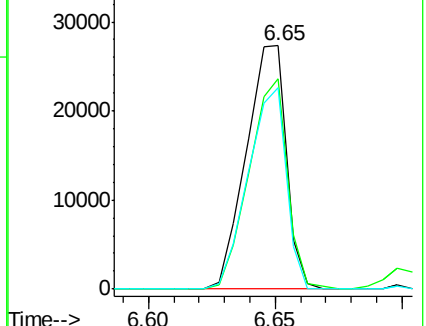
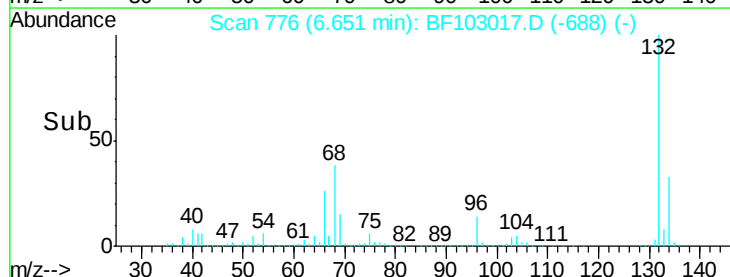
77 100

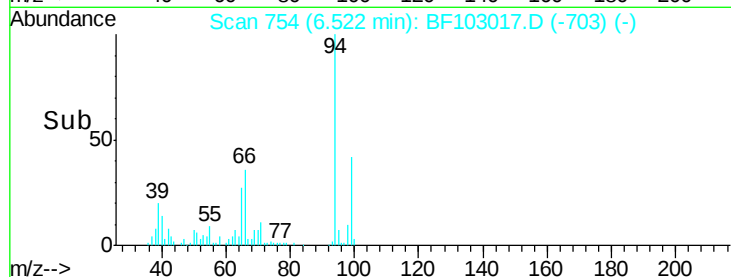
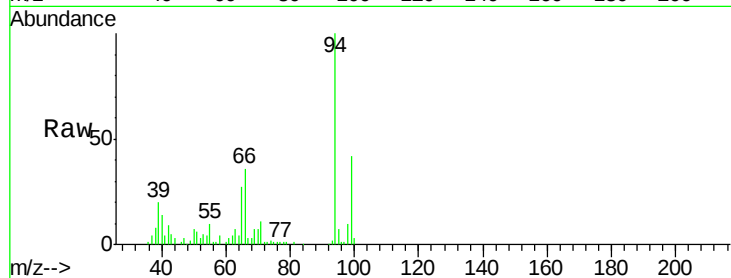
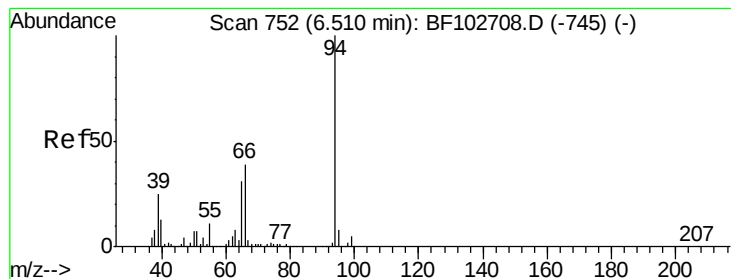
105 86.1 81.1 121.1

106 82.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.721 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

Instrument :

BNA_F

ClientSampleId :

MAIN-ST-LINE-2-WW@4

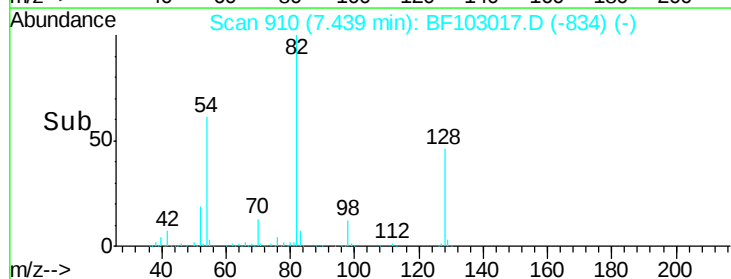
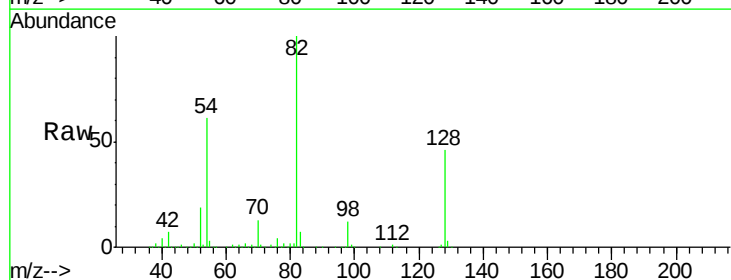
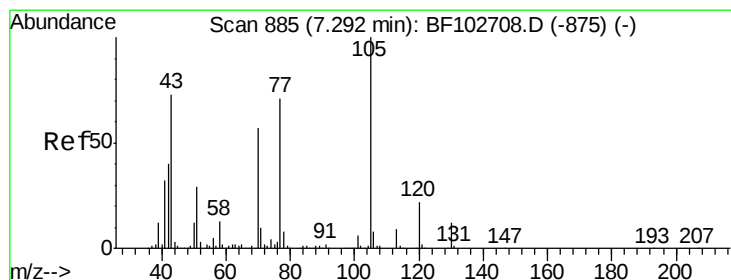
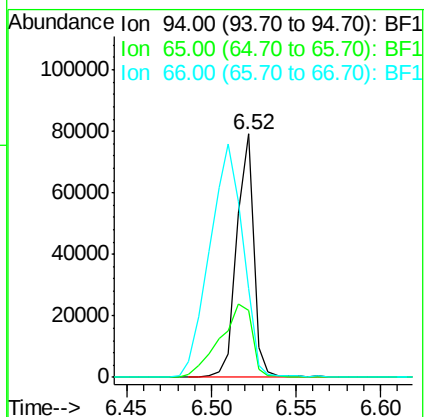
Tgt Ion: 94 Resp: 55241

Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

66 36.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.337 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

Tgt Ion: 70 Resp: 149232

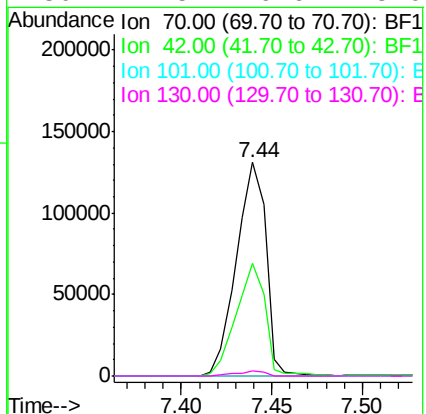
Ion Ratio Lower Upper

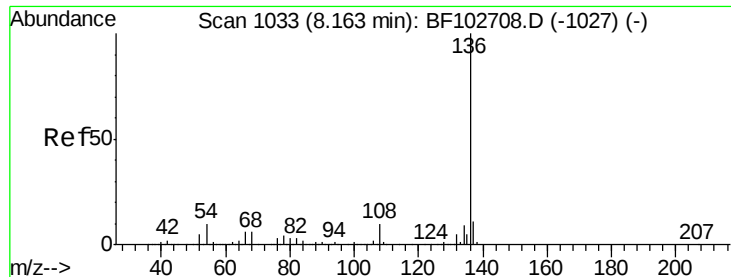
70 100

42 52.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

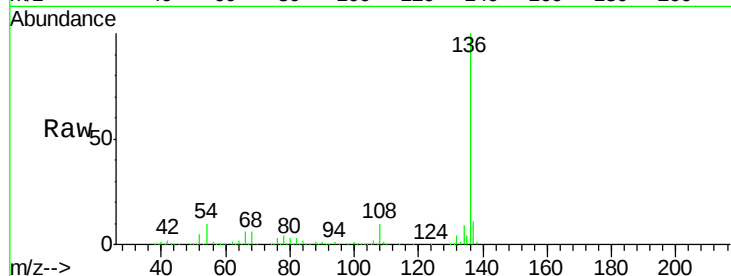




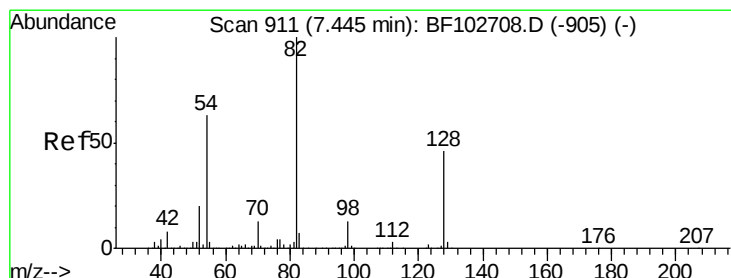
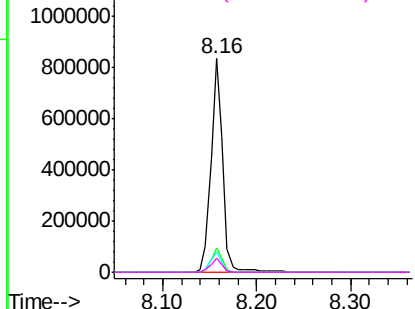
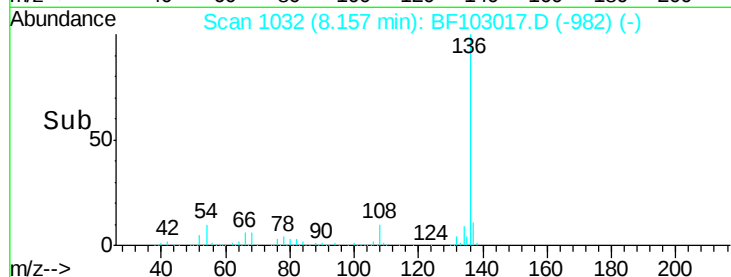
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103017.D
Acq: 15 Feb 2018 15:06

Instrument :
BNA_F
ClientSampleId :
MAIN-ST-LINE-2-WW@4

Tgt Ion:	136	Resp:	743182
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.6	6.6	9.8
68	6.4	5.0	7.4

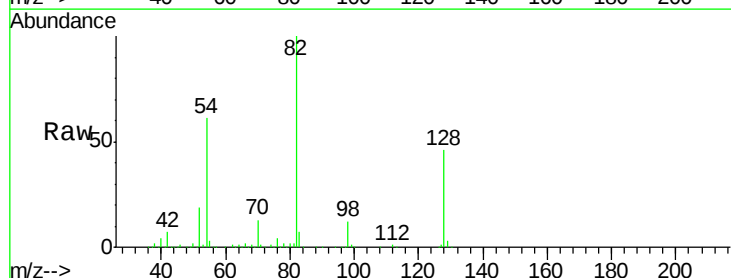


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

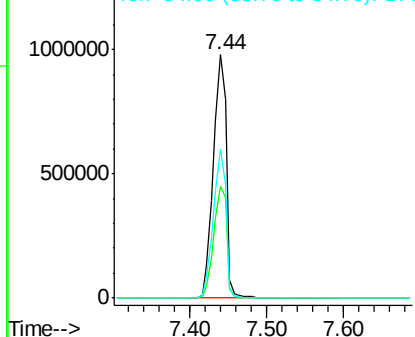
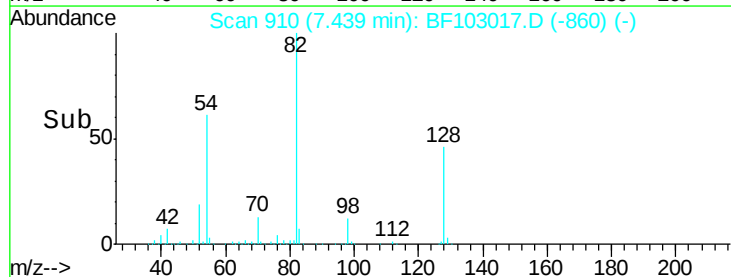


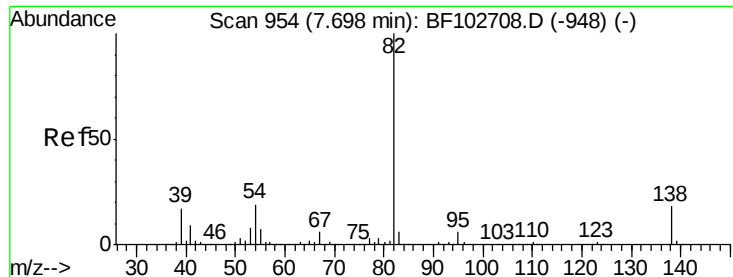
#23
Nitrobenzene-d5
Concen: 104.820 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103017.D
Acq: 15 Feb 2018 15:06

Tgt Ion:	82	Resp:	1122955
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	61.1	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: 45.521 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

Instrument :

BNA_F

ClientSampleId :

MAIN-ST-LINE-2-WW@4

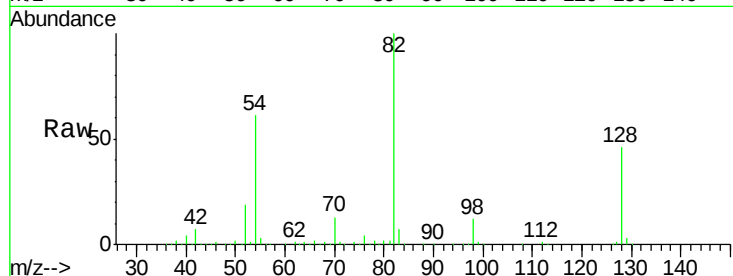
Tgt Ion: 82 Resp: 1122946

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

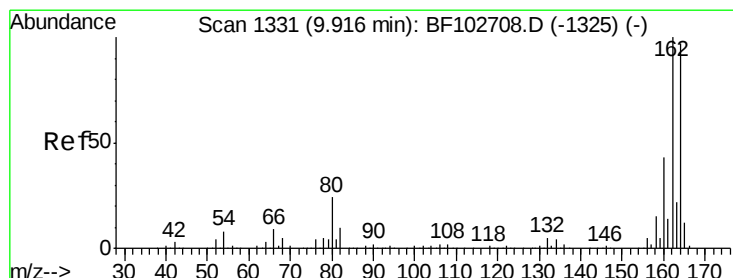
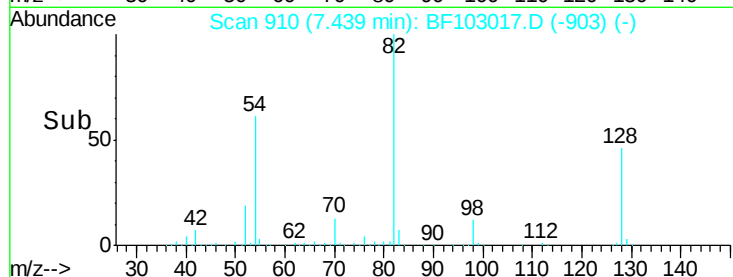
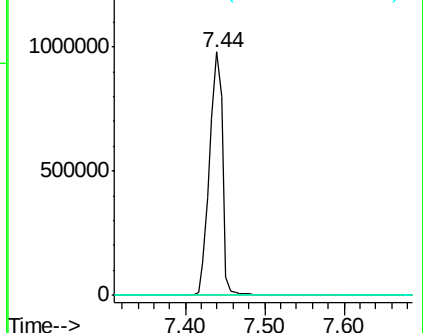
138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

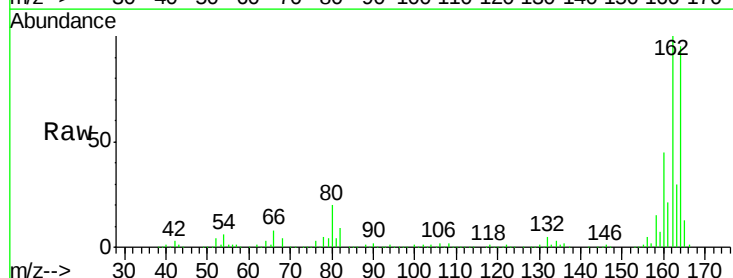
Tgt Ion: 164 Resp: 336606

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

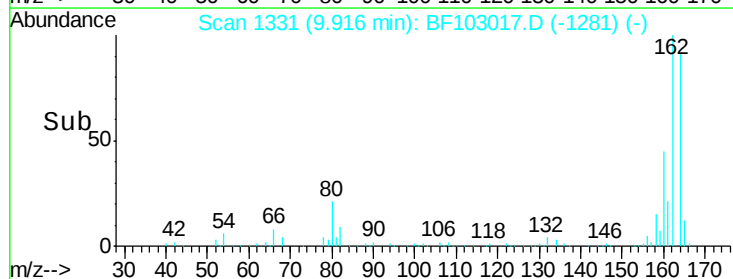
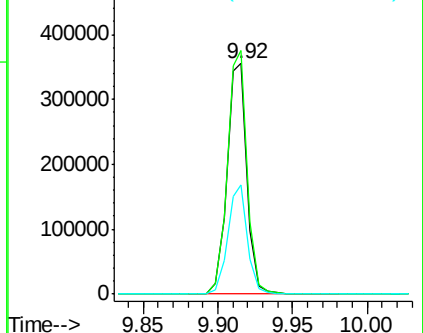
160 47.4 38.3 57.5

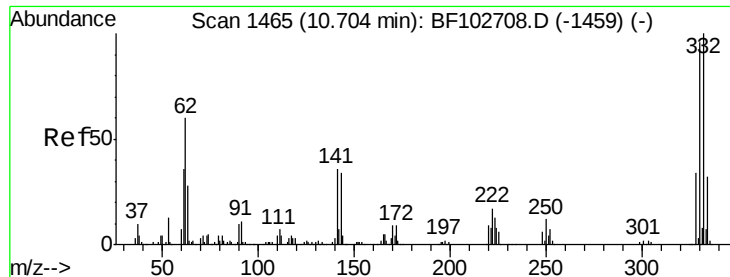


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 138.386 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

Instrument :

BNA_F

ClientSampleId :

MAIN-ST-LINE-2-WW@4

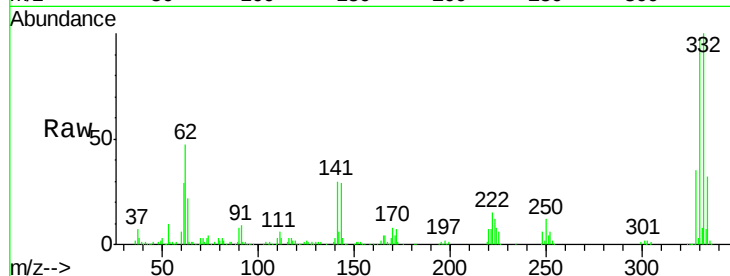
Tgt Ion:330 Resp: 374927

Ion Ratio Lower Upper

330 100

332 102.7 77.0 115.6

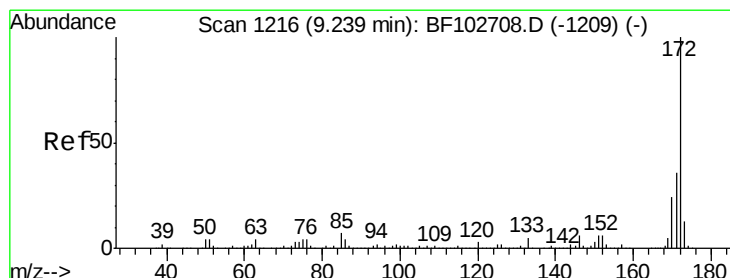
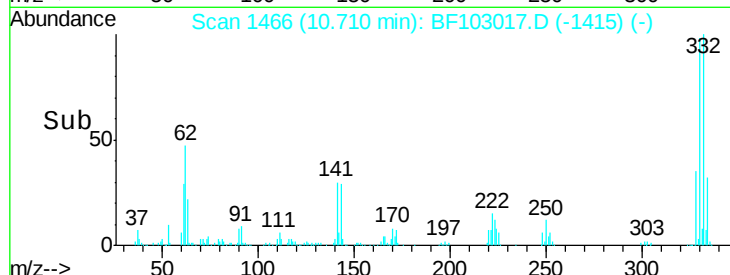
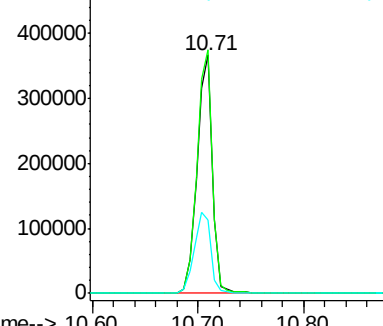
141 37.3 29.9 44.9



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: 79.747 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

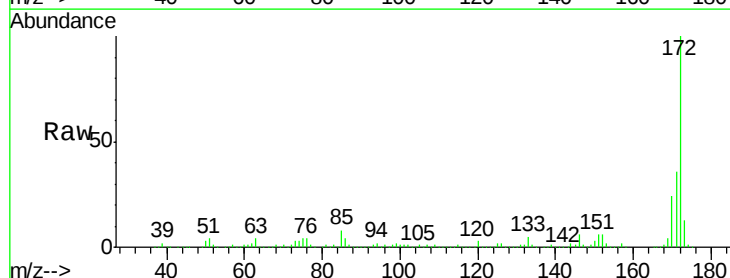
Tgt Ion:172 Resp: 1617692

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

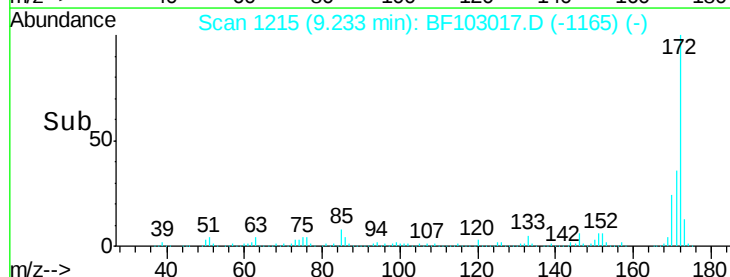
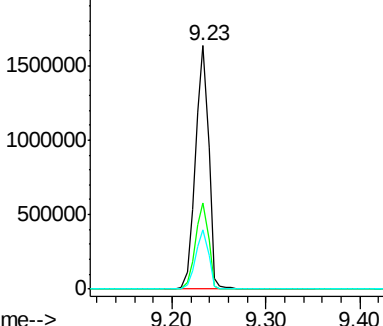
170 24.2 19.6 29.4

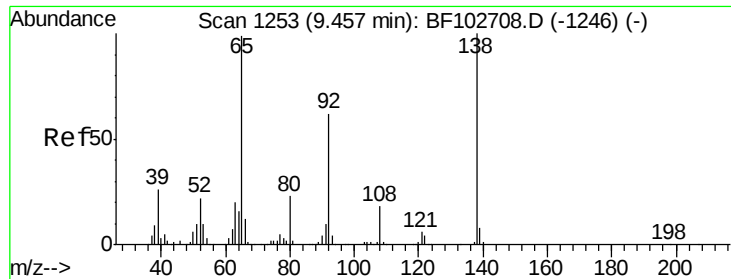


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 3.487 ng

RT: 9.32 min Scan# 1230

Delta R.T. -0.14 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

Instrument :

BNA_F

ClientSampleId :

MAIN-ST-LINE-2-WW@4

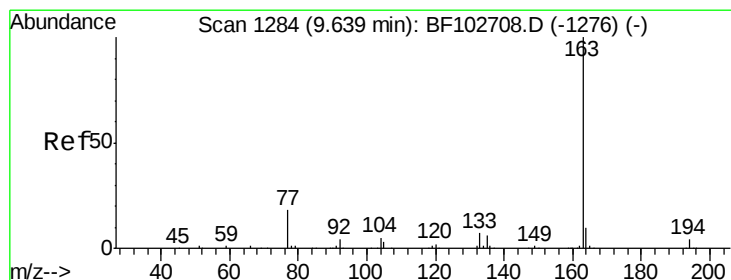
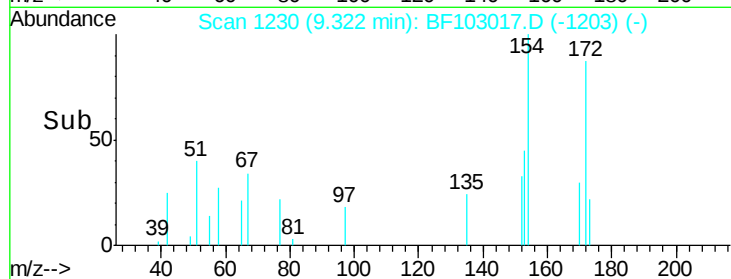
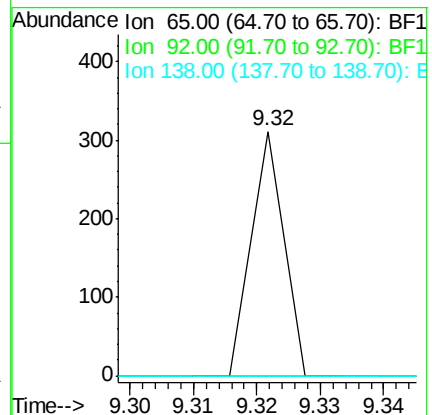
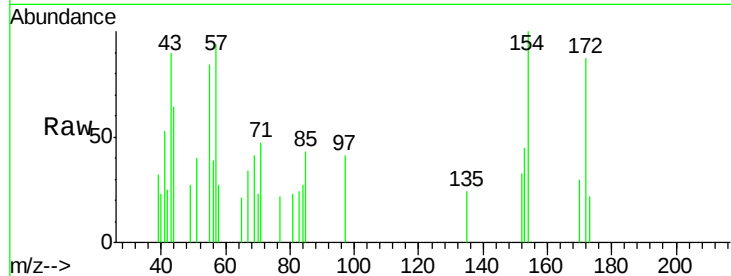
Tgt Ion: 65 Resp: 110

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 5.120 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

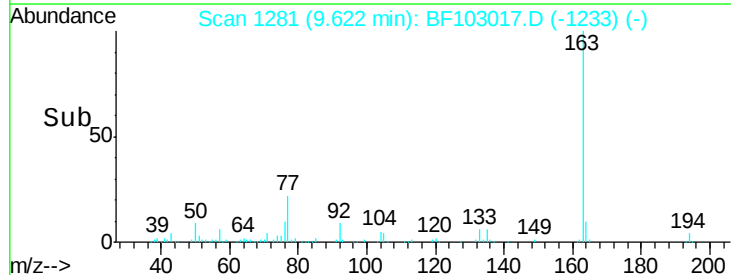
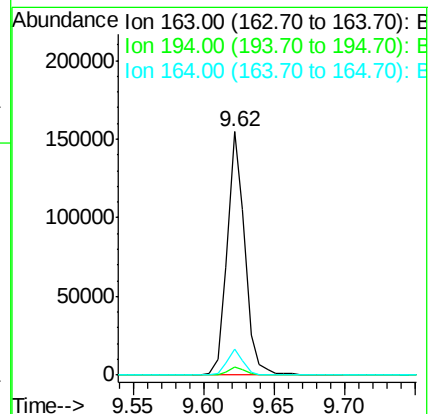
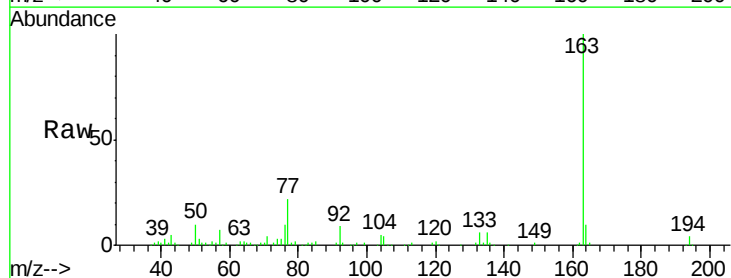
Tgt Ion:163 Resp: 134377

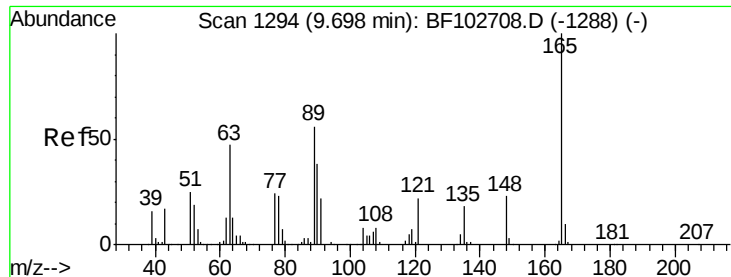
Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

164 10.5 8.2 12.2

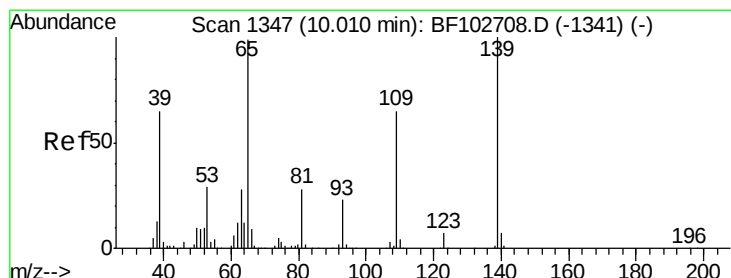
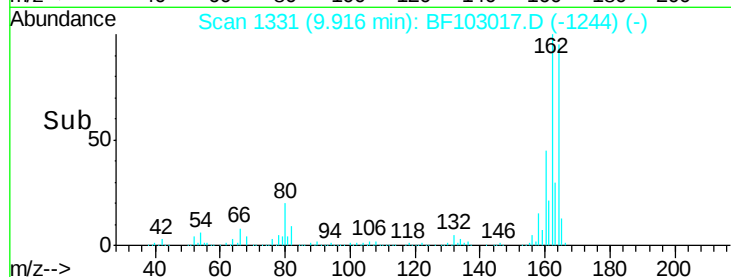
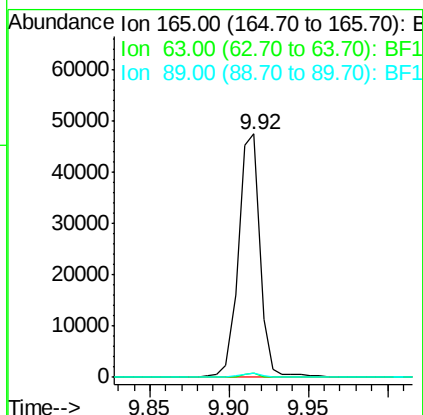
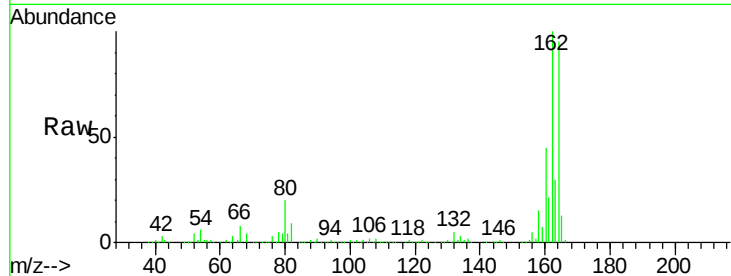




#50
 2,6-Dinitrotoluene
 Concen: 8.992 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103017.D
 Acq: 15 Feb 2018 15:06

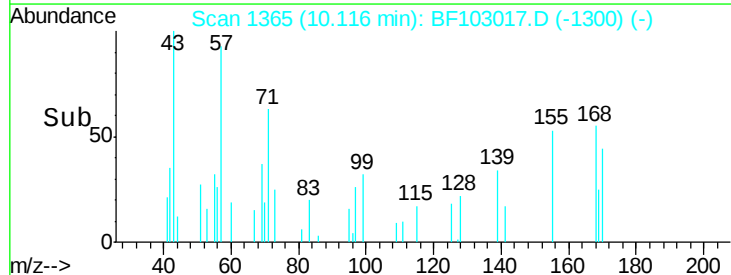
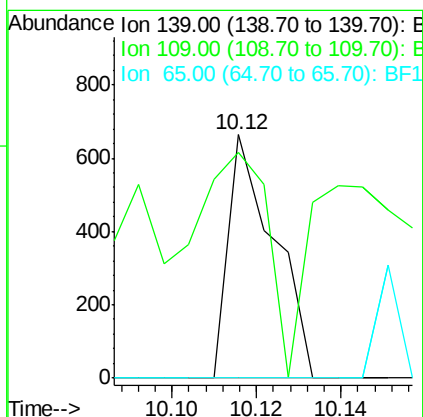
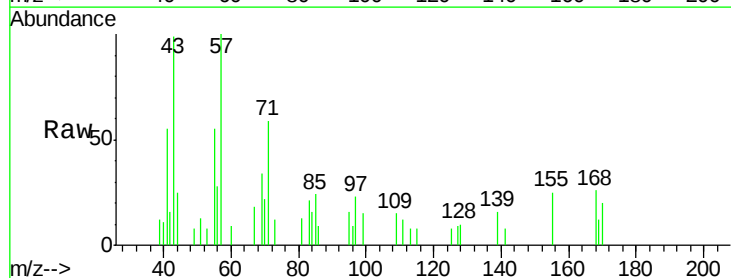
Instrument :
 BNA_F
 ClientSampleId :
 MAIN-ST-LINE-2-WW@4

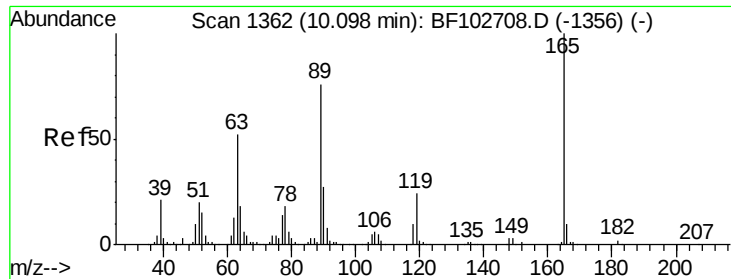
Tgt Ion:165 Resp: 44898
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 1.7 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.117 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. 0.08 min
 Lab File: BF103017.D
 Acq: 15 Feb 2018 15:06

Tgt Ion:139 Resp: 497
 Ion Ratio Lower Upper
 139 100
 109 92.8 48.4 88.4#
 65 0.0 72.6 112.6#

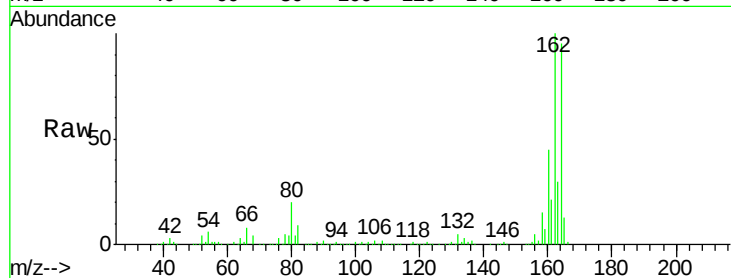




#56
 2,4-Dinitrotoluene
 Concen: 9.350 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103017.D
 Acq: 15 Feb 2018 15:06

Instrument :
 BNA_F
 ClientSampleId :
 MAIN-ST-LINE-2-WW@4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

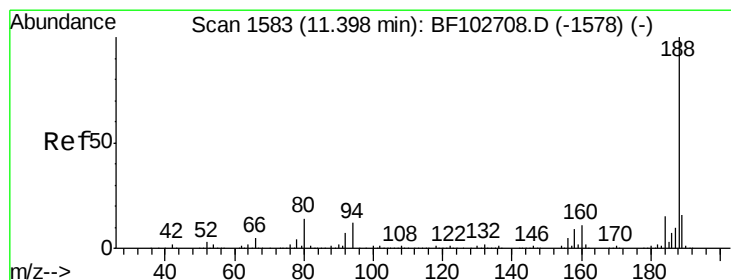
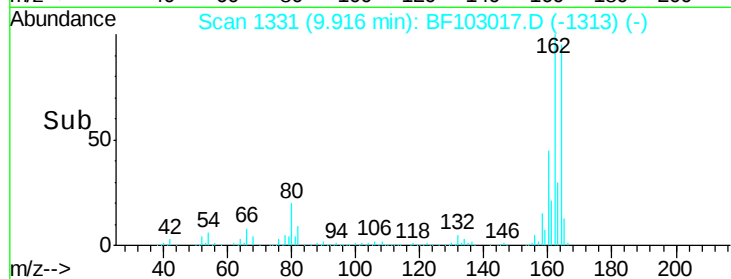
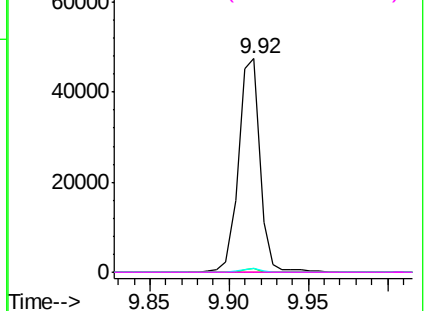


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

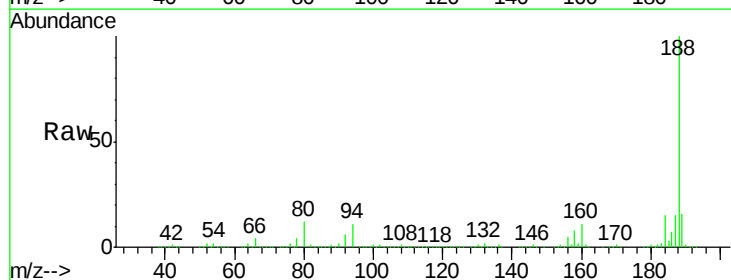
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103017.D
 Acq: 15 Feb 2018 15:06

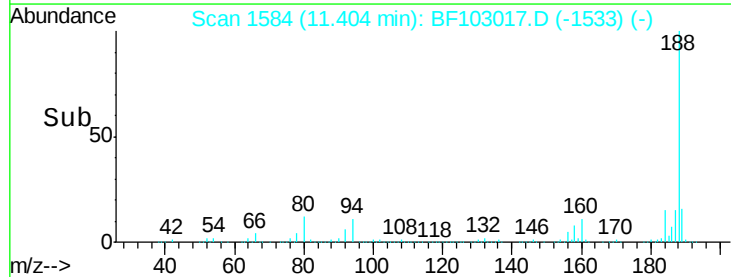
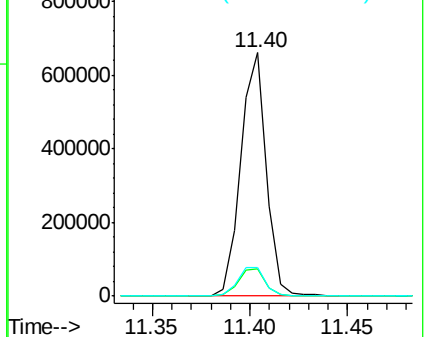
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8

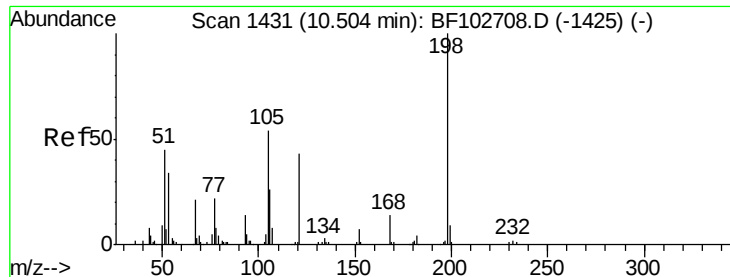


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

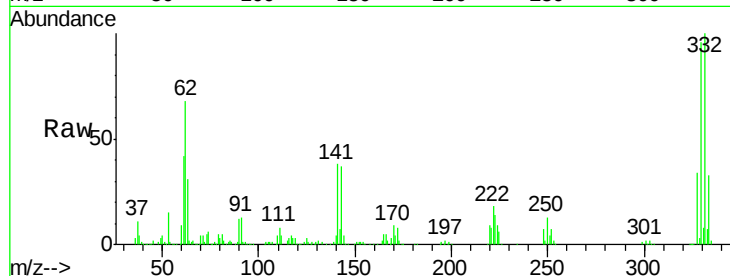




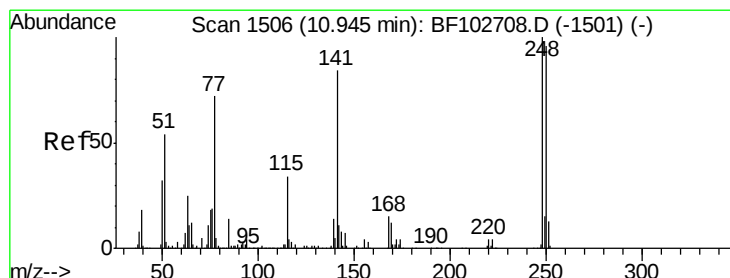
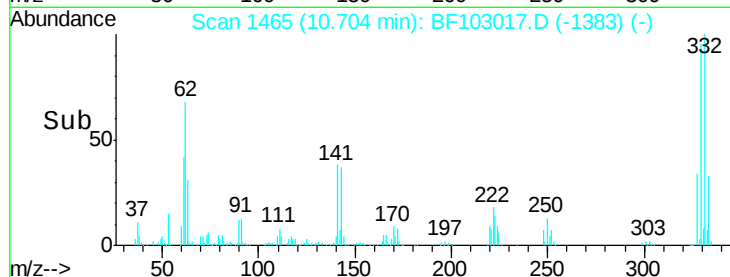
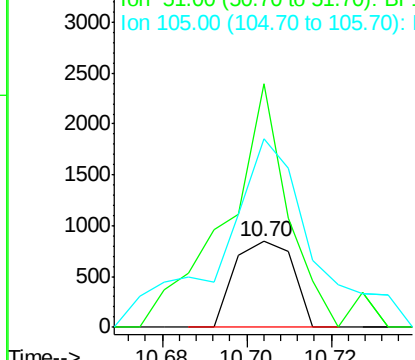
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.095 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103017.D
 Acq: 15 Feb 2018 15:06

Instrument :
 BNA_F
 ClientSampleId :
 MAIN-ST-LINE-2-WW@4

Tgt Ion:198 Resp: 815
 Ion Ratio Lower Upper
 198 100
 51 283.1 37.7 77.7#
 105 219.9 36.3 76.3#

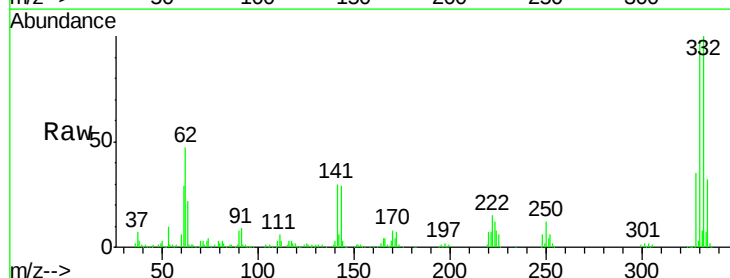


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

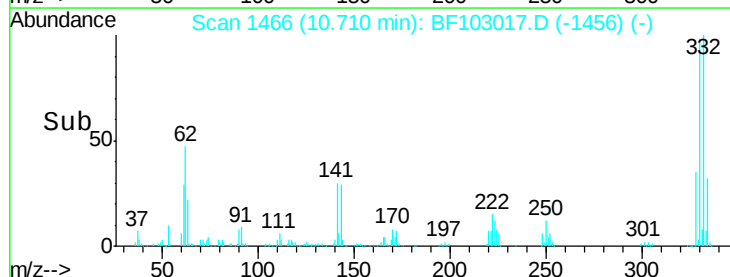
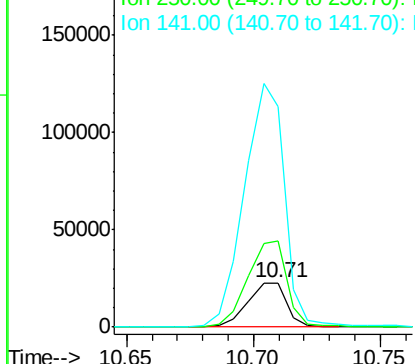


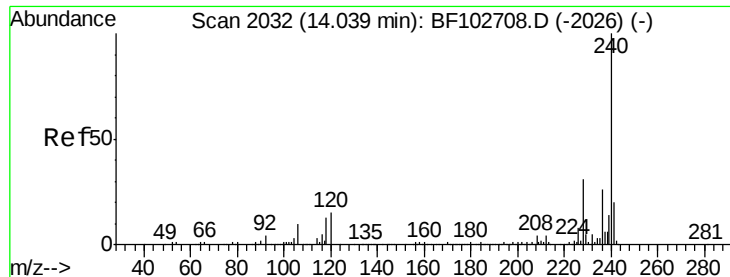
#66
 4-Bromophenyl-phenylether
 Concen: 3.873 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103017.D
 Acq: 15 Feb 2018 15:06

Tgt Ion:248 Resp: 24555
 Ion Ratio Lower Upper
 248 100
 250 194.0 76.9 115.3#
 141 495.3 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# 2033

Delta R.T. -0.01 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

Instrument :

BNA_F

ClientSampleId :

MAIN-ST-LINE-2-WW@4

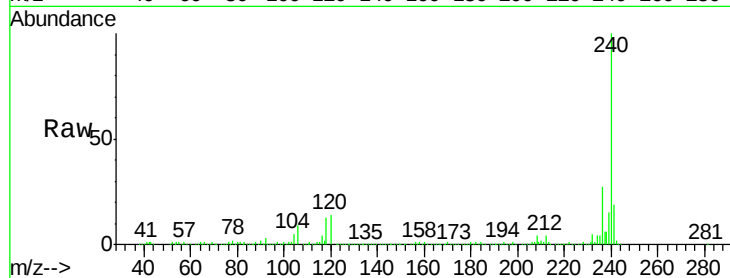
Tgt Ion:240 Resp: 488899

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

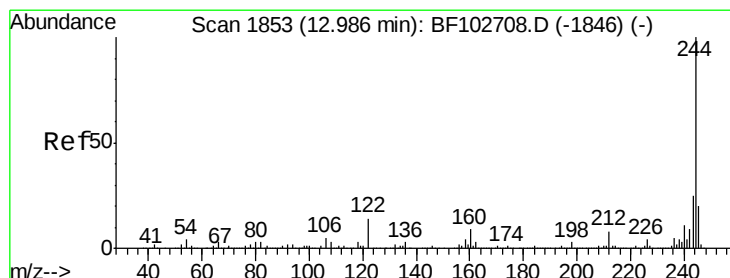
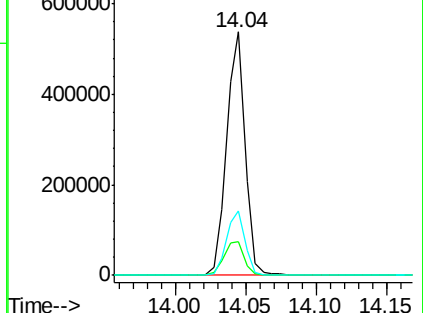
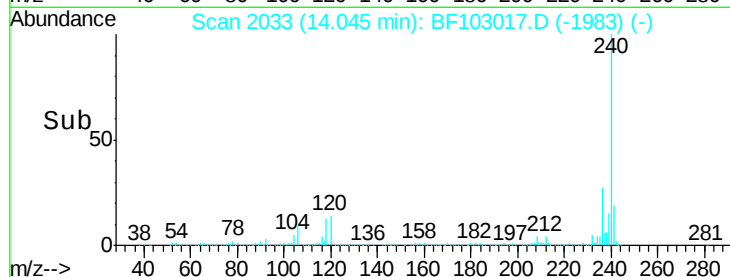
236 26.5 20.7 31.1



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: 75.234 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103017.D

Acq: 15 Feb 2018 15:06

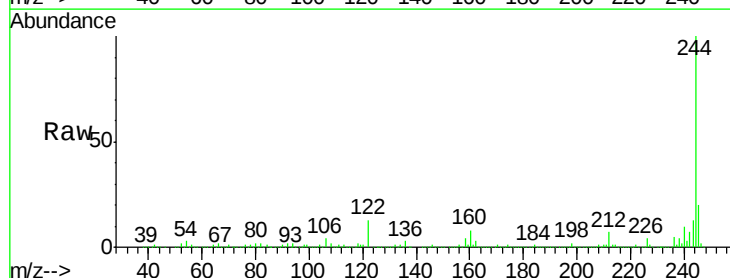
Tgt Ion:244 Resp: 1553435

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

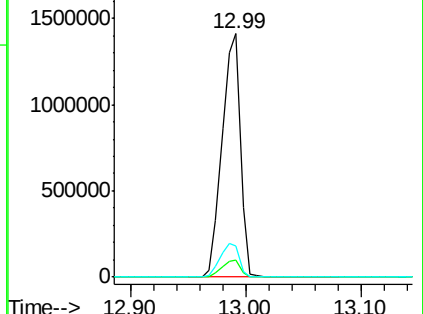
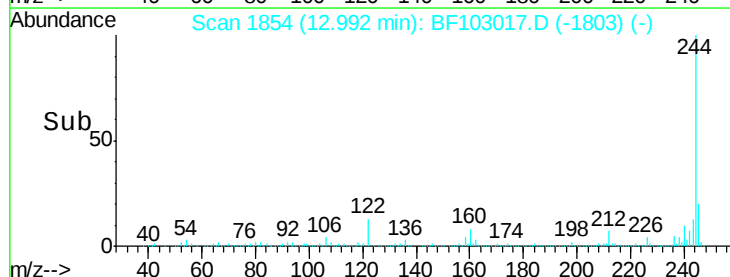
122 13.0 11.0 16.4

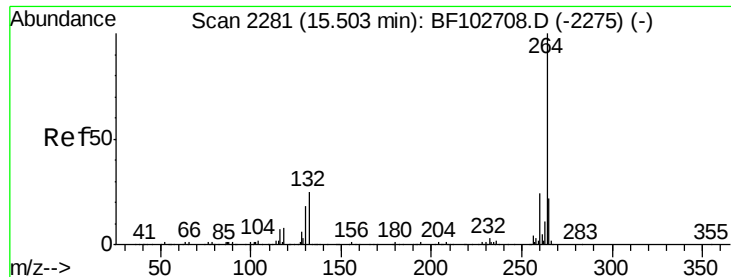


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF103017.D
Acq: 15 Feb 2018 15:06

Instrument :
BNA_F
ClientSampleId :
MAIN-ST-LINE-2-WW@4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.3	17.5	26.3

