

Data Path : U:\HPCHEM1\BNA F\DATA\BF011218\
 Data File : BF102048.D
 Acq On : 12 Jan 2018 17:40
 Operator : SJ/JU
 Sample : J1011-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 21:54:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	208600	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	732545	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	288402	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	408842	20.00	ng	0.00
75) Chrysene-d12	13.87	240	367726	20.00	ng	0.00
86) Perylene-d12	15.30	264	318699	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1417311	95.94	ng	0.01
7) Phenol-d6	6.36	99	1599766	90.77	ng	0.00
23) Nitrobenzene-d5	7.29	82	1002881	80.45	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	236079	93.80	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1437636	77.88	ng	0.00
78) Terphenyl-d14	12.83	244	979635	55.31	ng	0.00

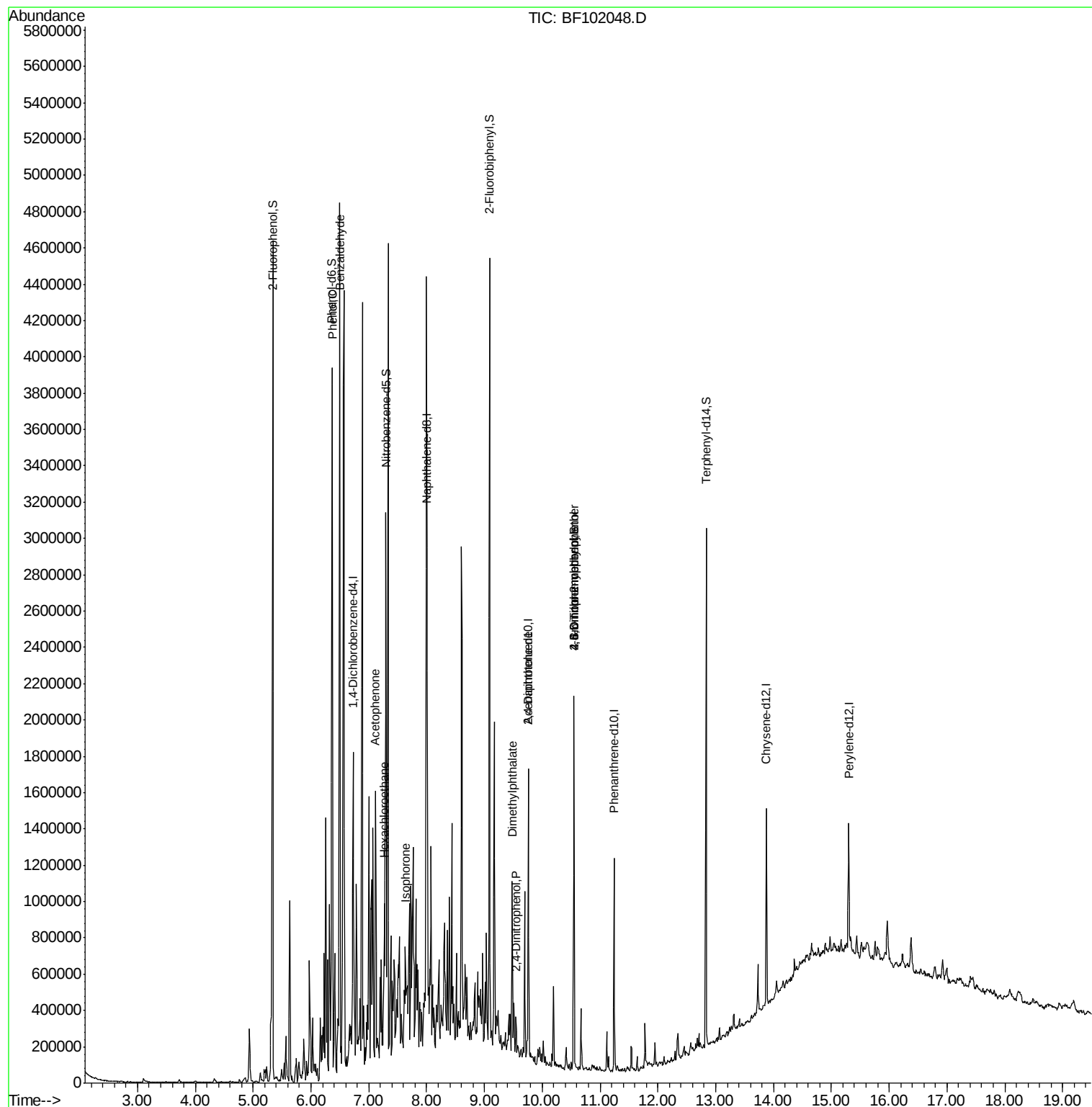
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	31352	2.562	ng	83
10) Phenol	6.37	94	66370	3.332	ng	97
18) Hexachloroethane	7.26	117	32427	5.403	ng	# 1
22) Acetophenone	7.12	105	188297	10.668	ng	# 51
25) Isophorone	7.63	82	66361	2.694	ng	# 66
49) Dimethylphthalate	9.48	163	233154	10.078	ng	100
53) 2,4-Dinitrophenol	9.55	184	112	8.714	ng	# 68
56) 2,4-Dinitrotoluene	9.76	165	41158	7.106	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.55	198	544	5.878	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	15467	3.582	ng	# 1

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

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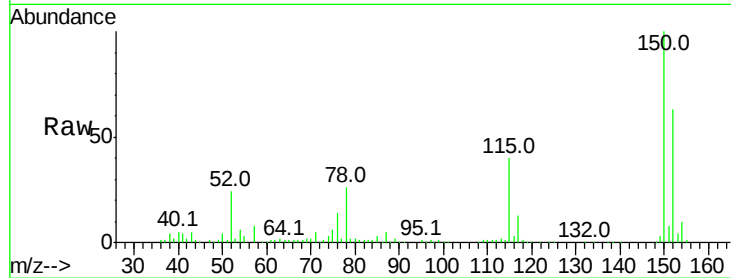


#1

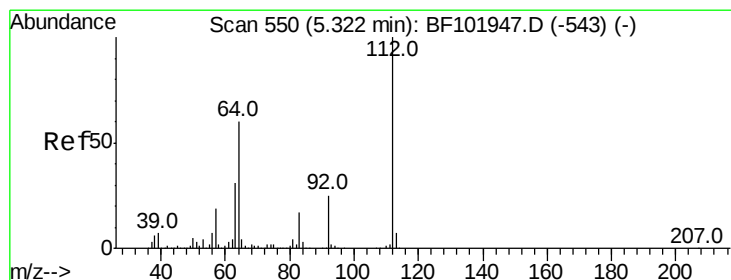
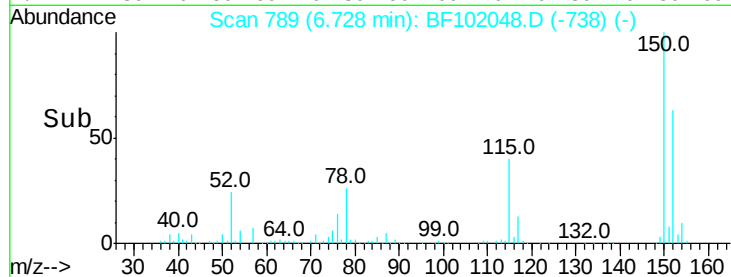
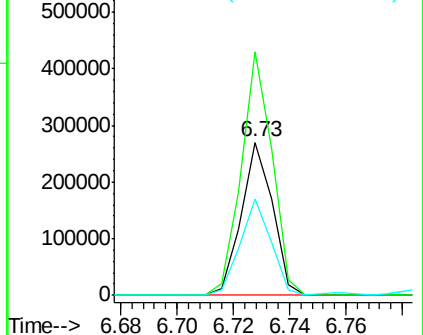
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 208600
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 63.2 50.1 75.1



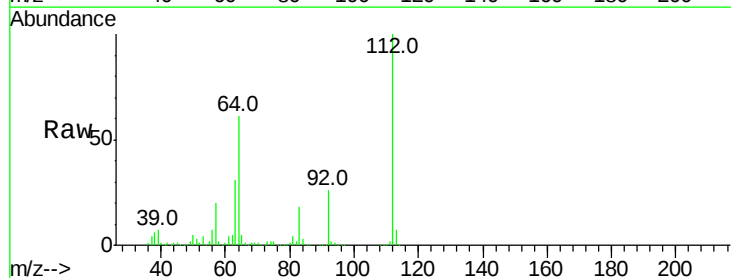
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



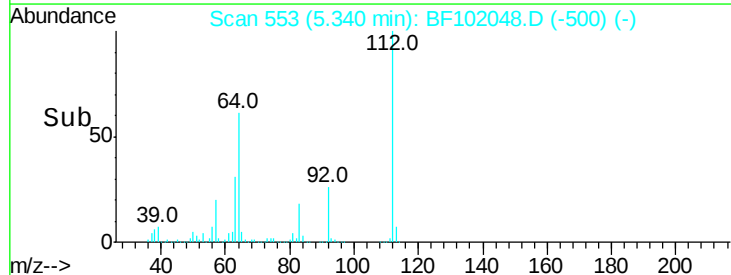
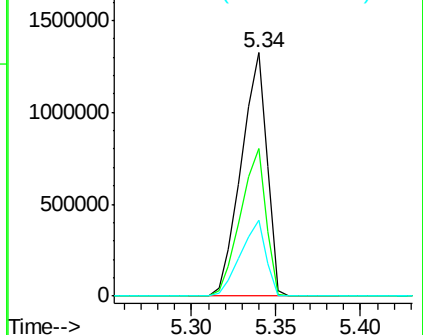
#5

2-Fluorophenol
Concen: 95.942 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Tgt Ion:112 Resp: 1417311
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 31.3 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: 90.766 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

Instrument :

BNA_F

ClientSampleId :

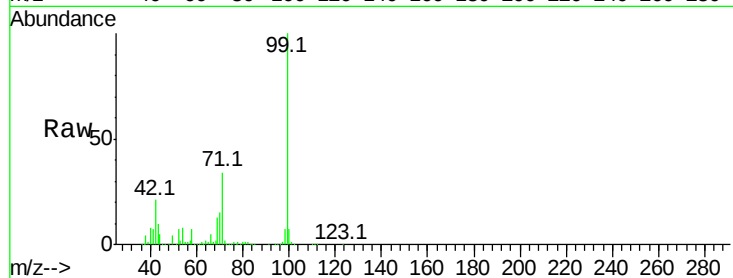
Tot Ion: 99 Resp: 1599766

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

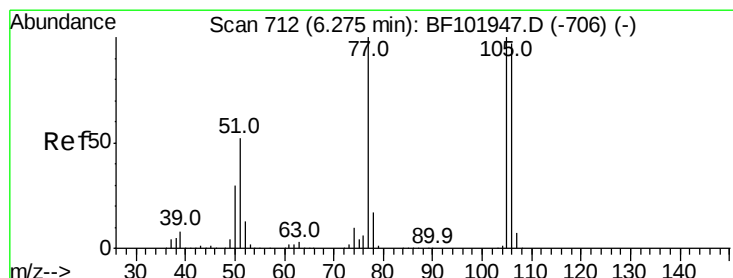
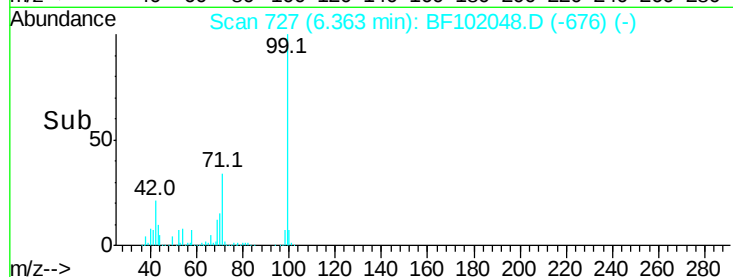
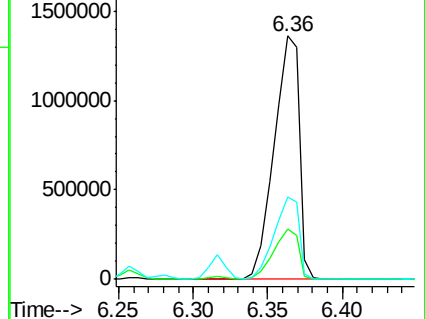
71 33.9 25.4 38.0



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: 2.562 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

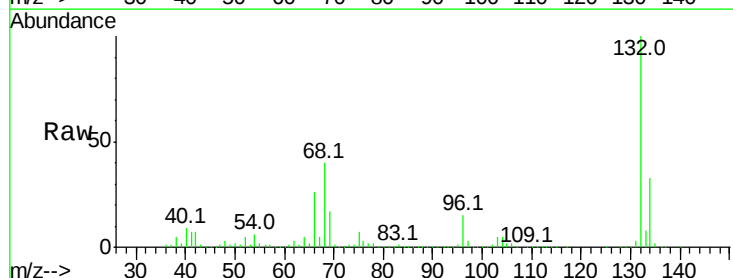
Tgt Ion: 77 Resp: 31352

Ion Ratio Lower Upper

77 100

105 83.7 81.1 121.1

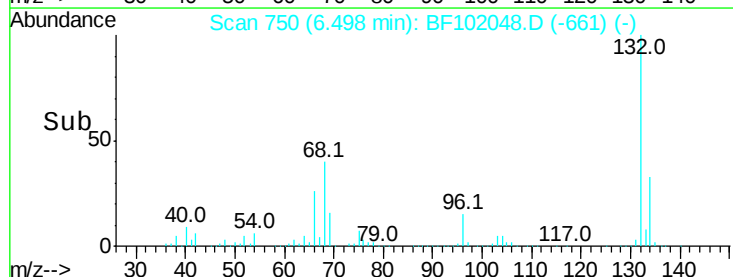
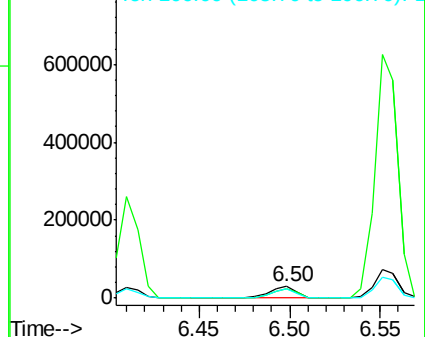
106 79.3 74.5 114.5

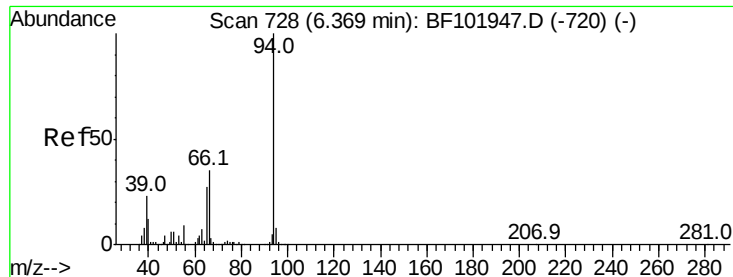


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.332 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

Instrument :

BNA_F

ClientSampleId :

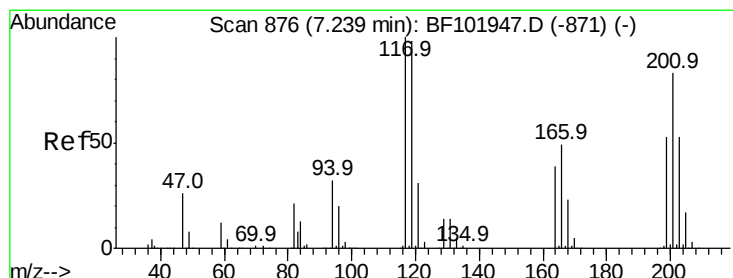
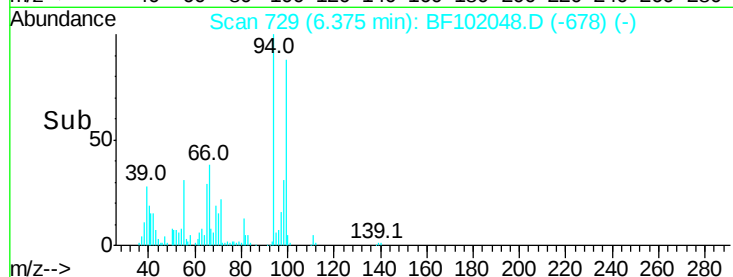
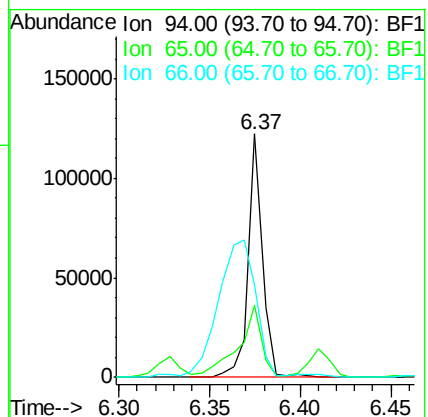
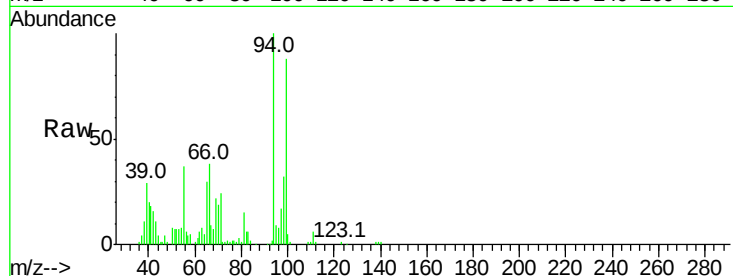
Tot Ion: 94 Resp: 66370

Ion Ratio Lower Upper

94 100

65 29.8 7.9 47.9

66 38.0 16.2 56.2



#18

Hexachloroethane

Concen: 5.403 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.02 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

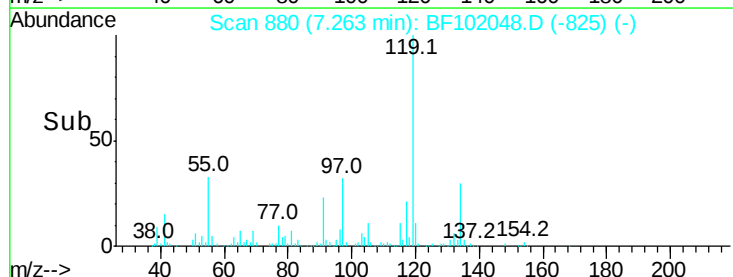
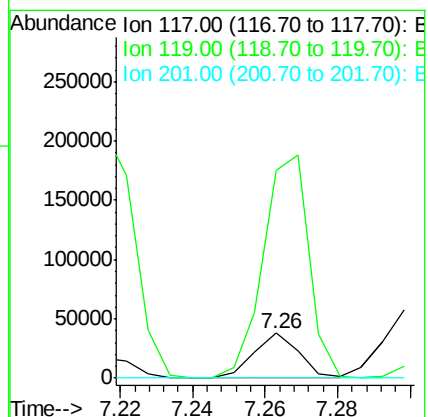
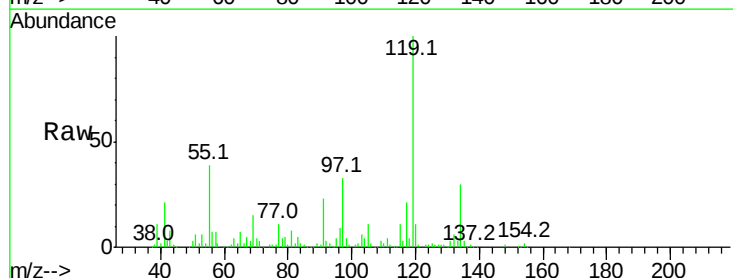
Tgt Ion: 117 Resp: 32427

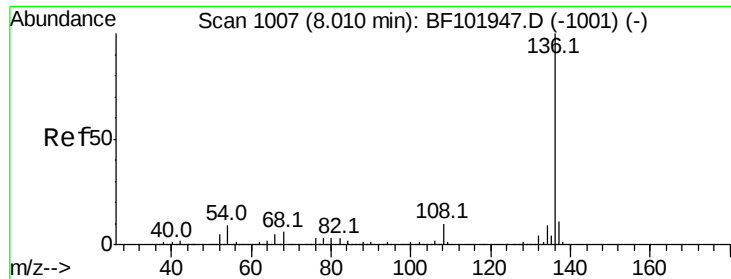
Ion Ratio Lower Upper

117 100

119 465.7 75.8 113.8#

201 0.0 75.7 113.5#

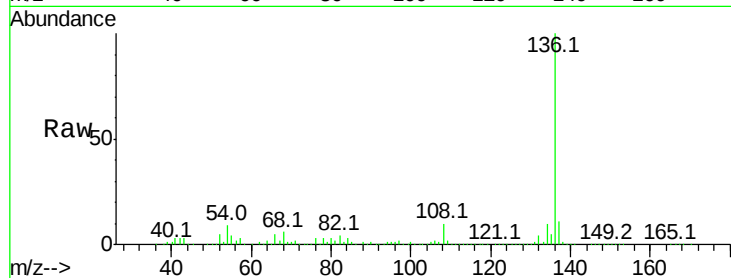




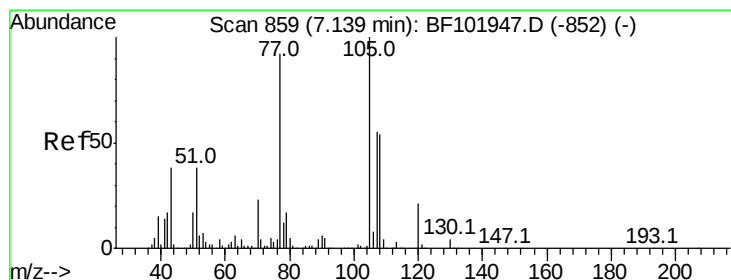
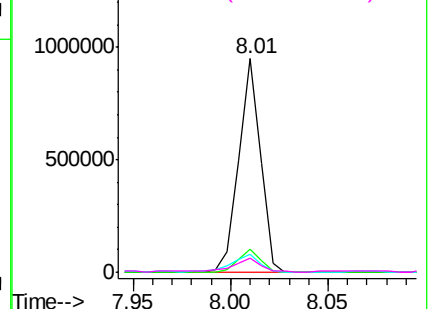
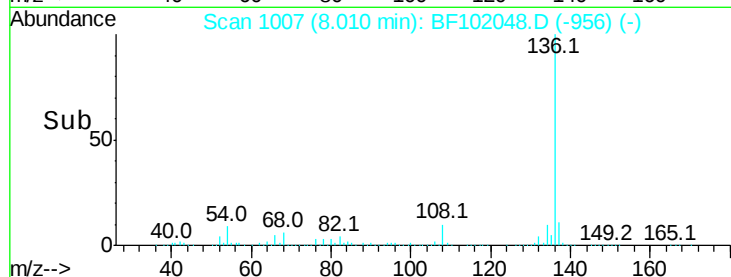
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	732545
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	6.6	9.8
68	6.3	5.0	7.4

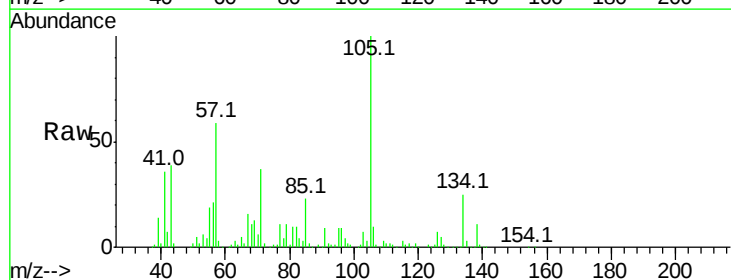


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

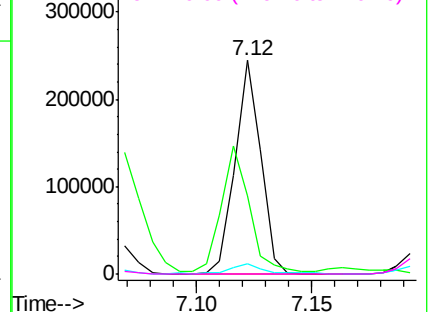
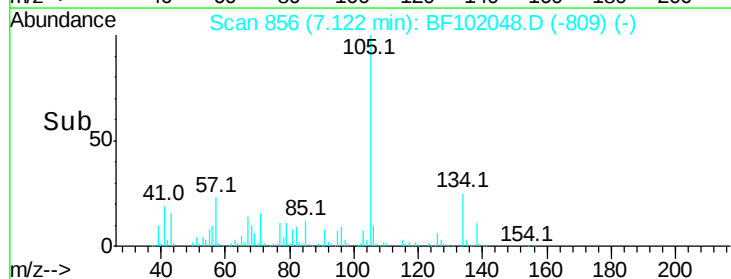


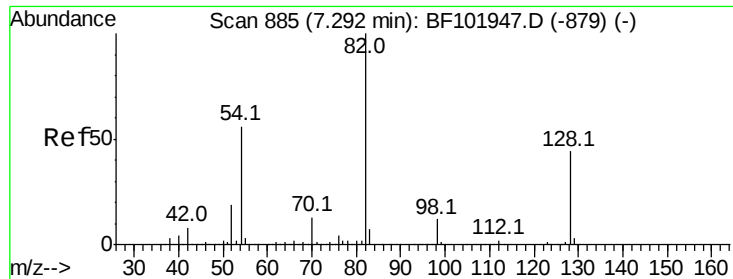
#22
Acetophenone
Concen: 10.668 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Tgt Ion:	105	Resp:	188297
Ion	Ratio	Lower	Upper
105	100		
71	36.6	4.4	6.6#
51	4.9	22.3	33.5#
120	0.3	16.9	25.3#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

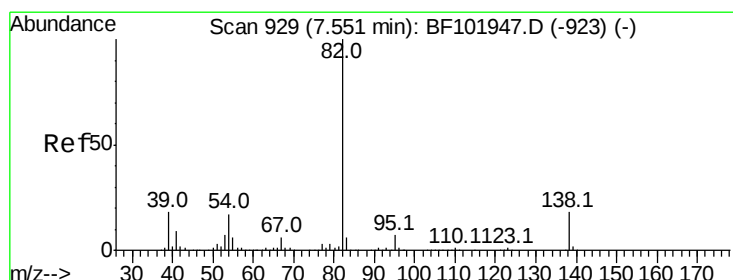
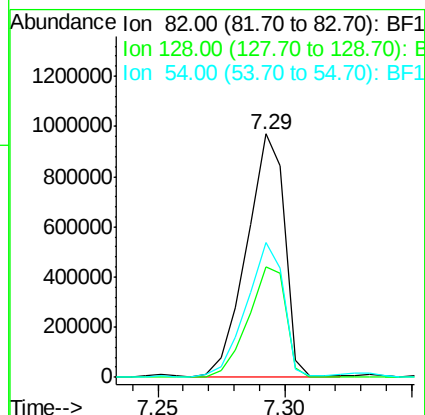
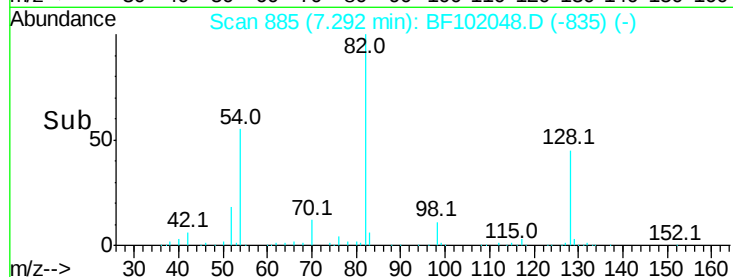
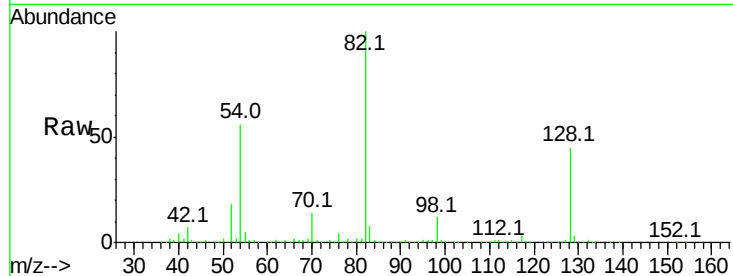




#23
Nitrobenzene-d5
Concen: 80.450 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

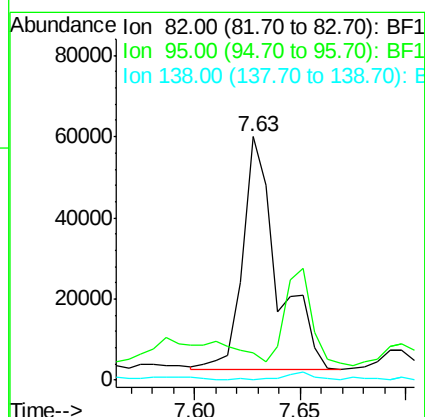
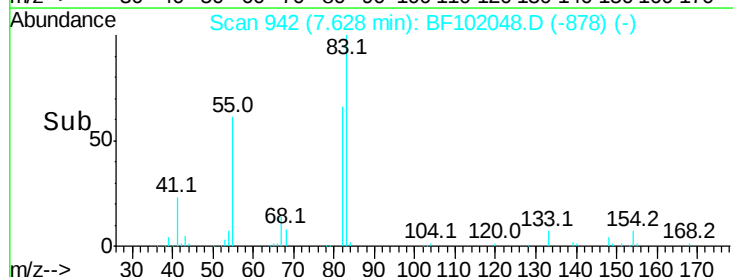
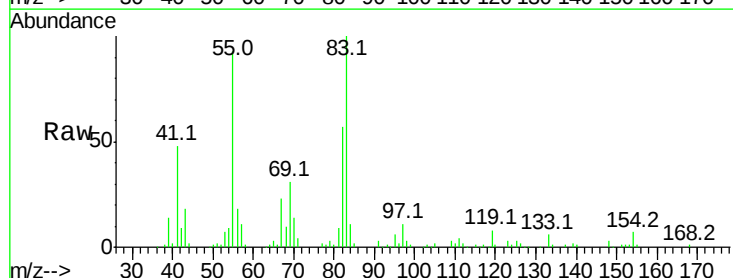
Instrument :
BNA_F
ClientSampled :

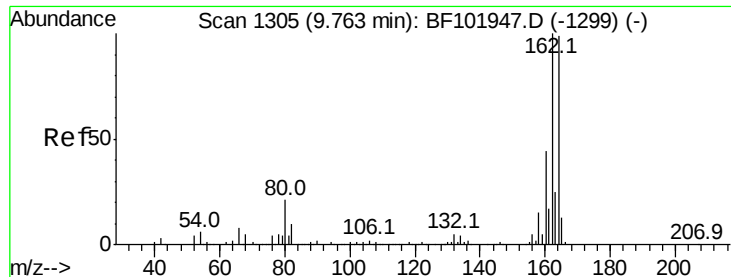
Tot Ion: 82 Resp: 1002881
Ion Ratio Lower Upper
82 100
128 45.3 36.1 54.1
54 55.6 41.4 62.2



#25
Isophorone
Concen: 2.694 ng
RT: 7.63 min Scan# 942
Delta R.T. 0.08 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Tgt Ion: 82 Resp: 66361
Ion Ratio Lower Upper
82 100
95 11.3 5.2 7.8#
138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

Instrument :

BNA_F

ClientSampled :

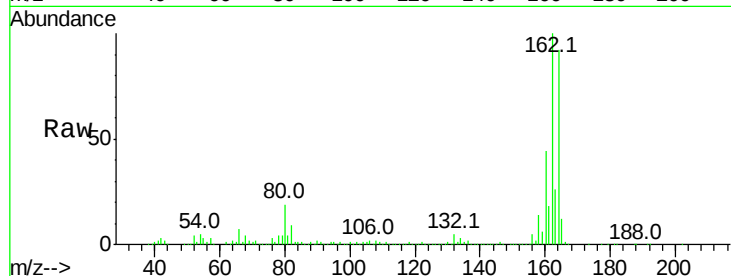
Tot Ion:164 Resp: 288402

Ion Ratio Lower Upper

164 100

162 109.3 86.1 129.1

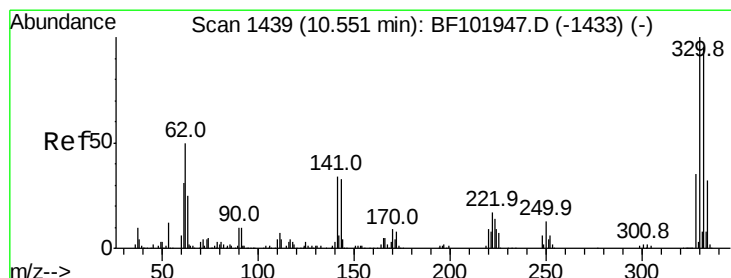
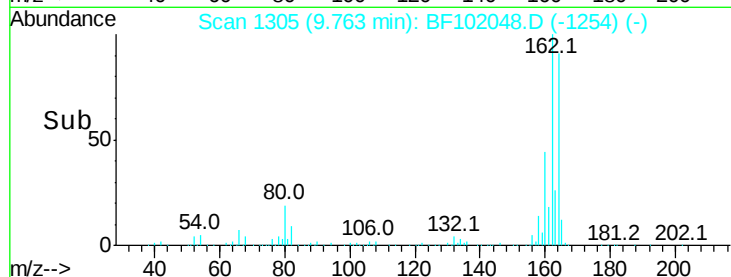
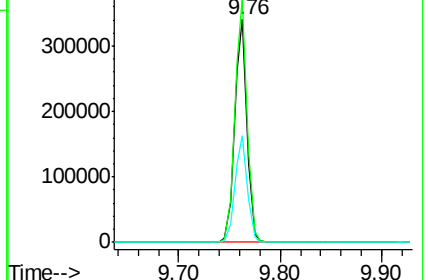
160 48.0 38.3 57.5



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: 93.800 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

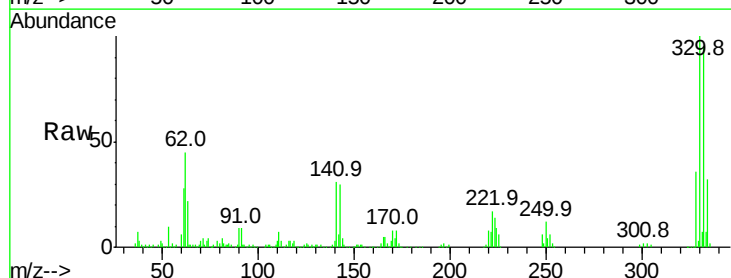
Tgt Ion:330 Resp: 236079

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

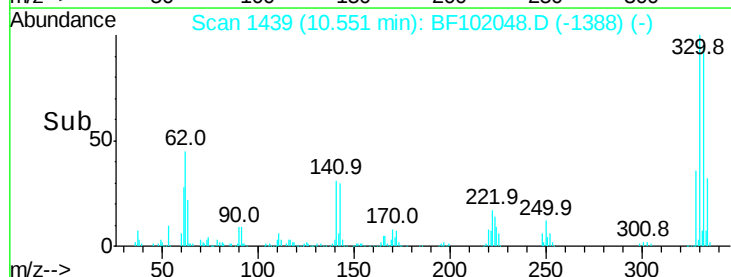
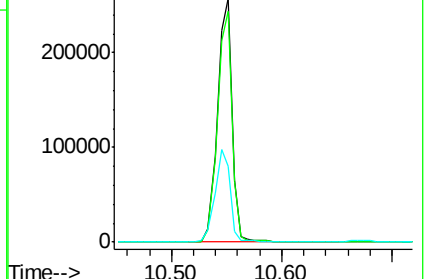
141 38.7 29.9 44.9

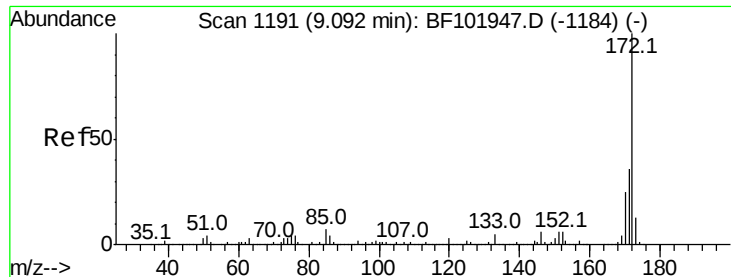


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 77.877 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

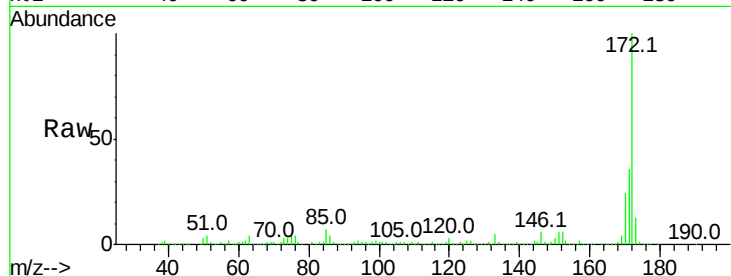
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1437636

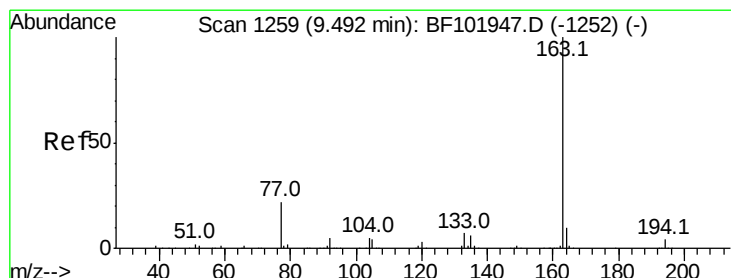
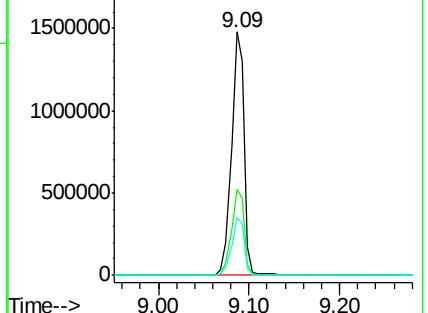
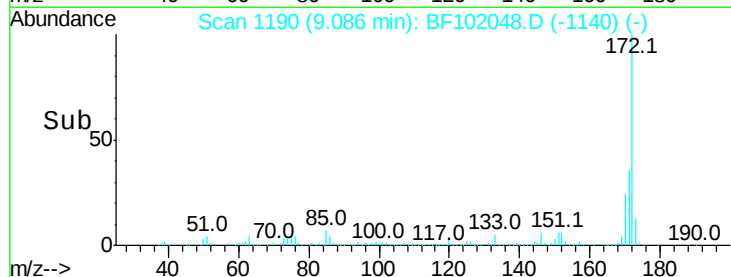
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.8	19.6	29.4



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: 10.078 ng

RT: 9.48 min Scan# 1257

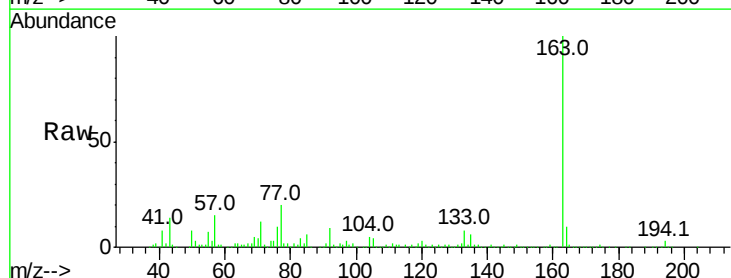
Delta R.T. -0.01 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

Tgt Ion:163 Resp: 233154

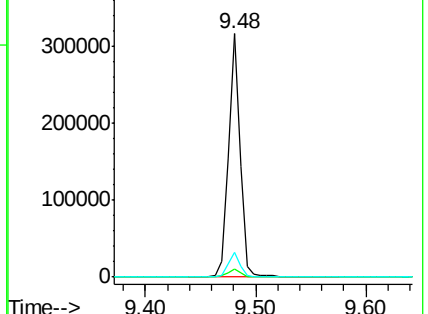
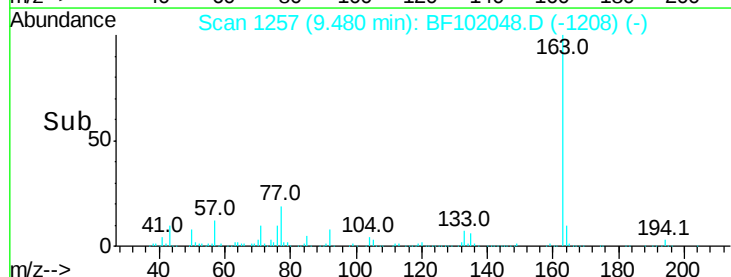
Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.3	8.2	12.2

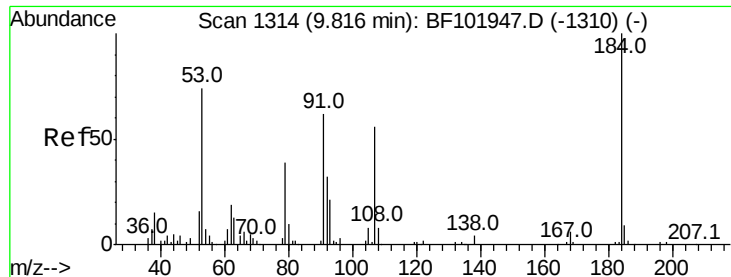


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

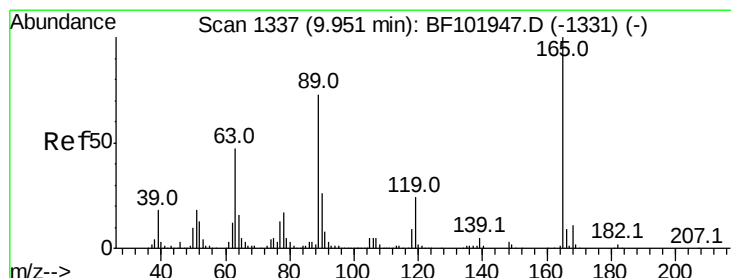
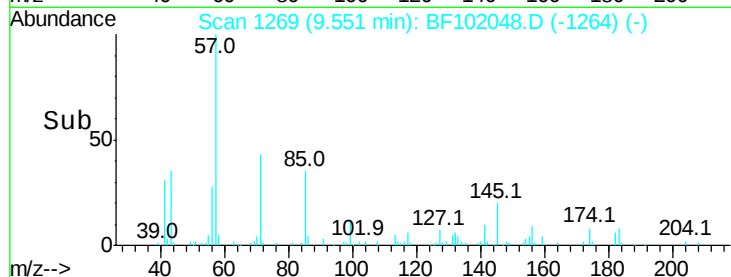
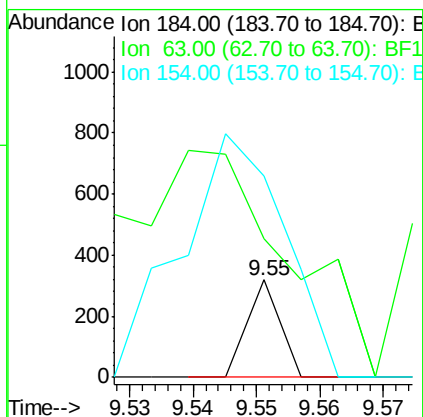
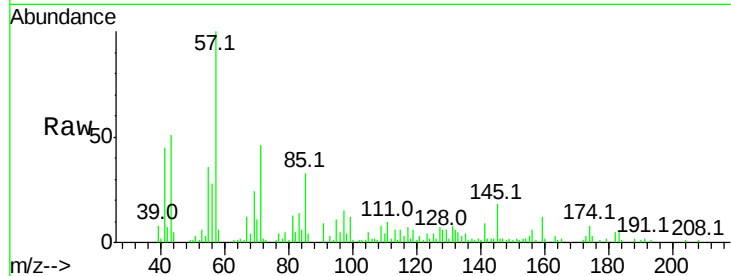




#53
 2,4-Dinitrophenol
 Concen: 8.714 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.27 min
 Lab File: BF102048.D
 Acq: 12 Jan 2018 17:40

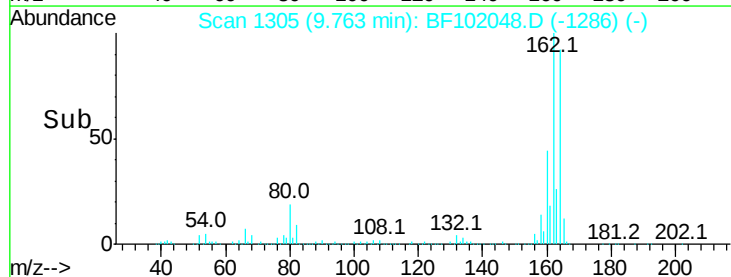
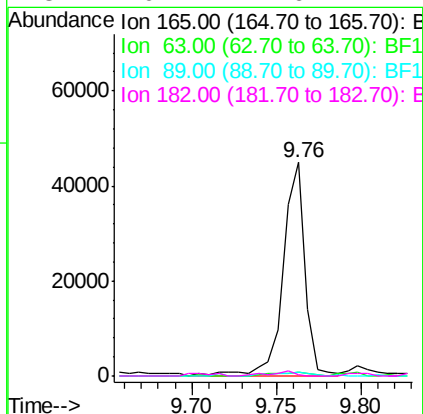
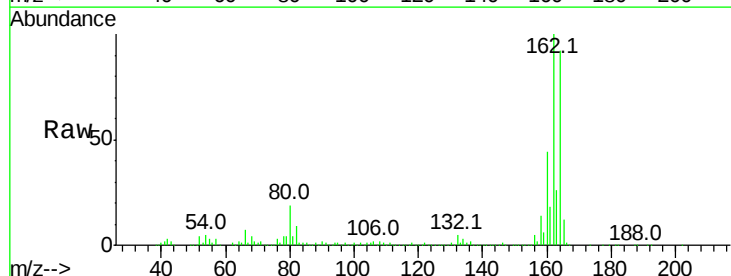
Instrument :
 BNA_F
 ClientSampleId :

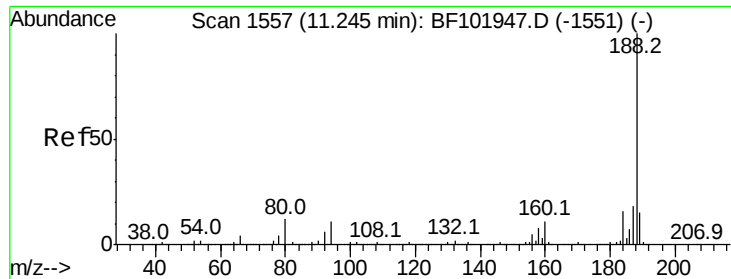
Tot Ion:184 Resp: 112
 Ion Ratio Lower Upper
 184 100
 63 142.8 54.2 81.2#
 154 206.9 184.0 276.0



#56
 2,4-Dinitrotoluene
 Concen: 7.106 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF102048.D
 Acq: 12 Jan 2018 17:40

Tgt Ion:165 Resp: 41158
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.9 57.8 86.6#
 182 0.7 1.6 2.4#

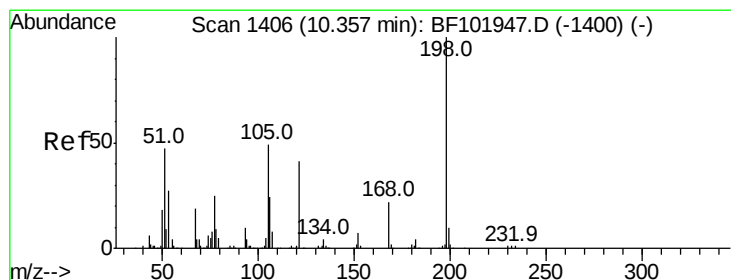
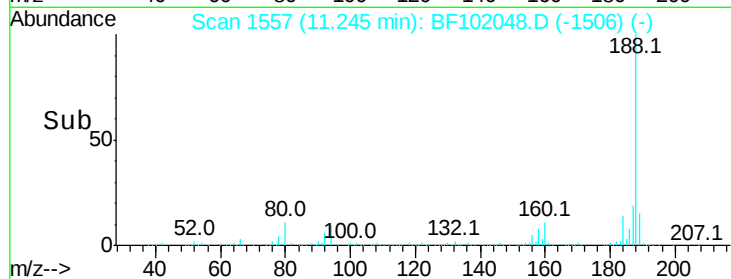
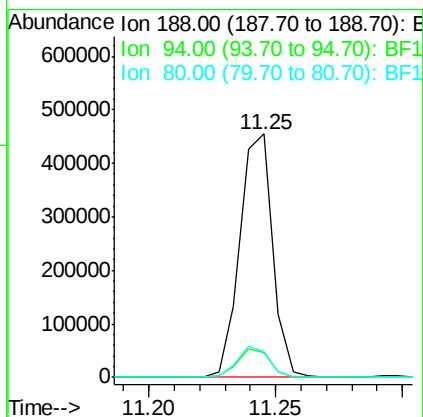
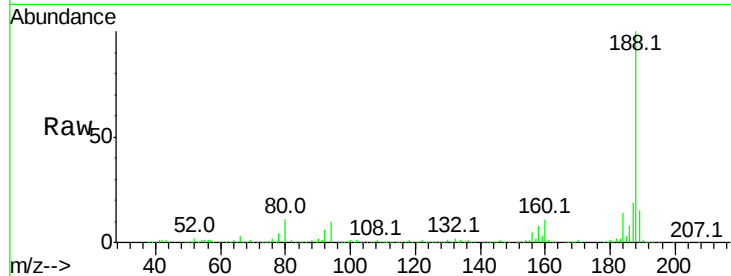




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

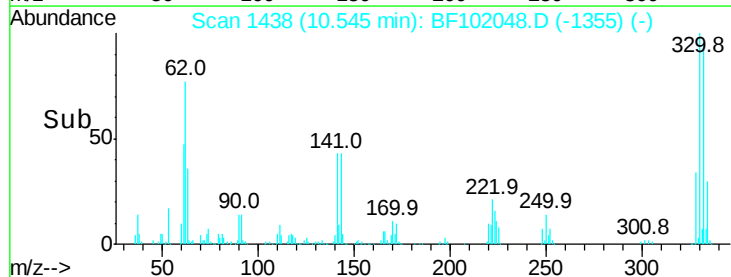
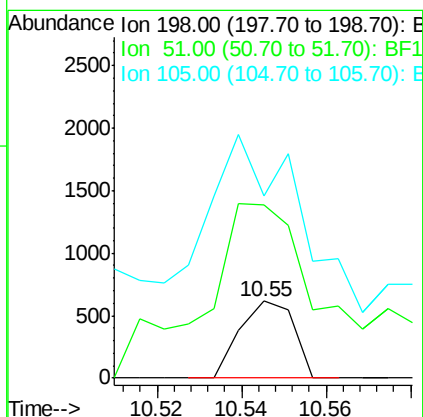
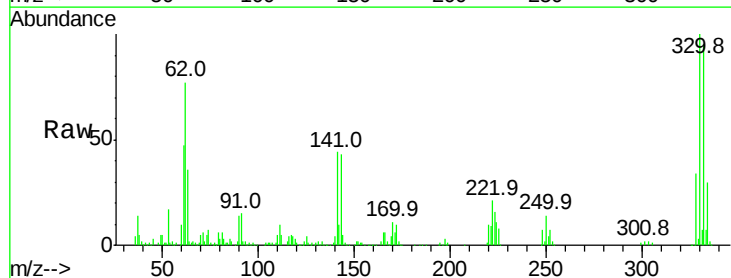
Instrument :
BNA_F
ClientSampleId :

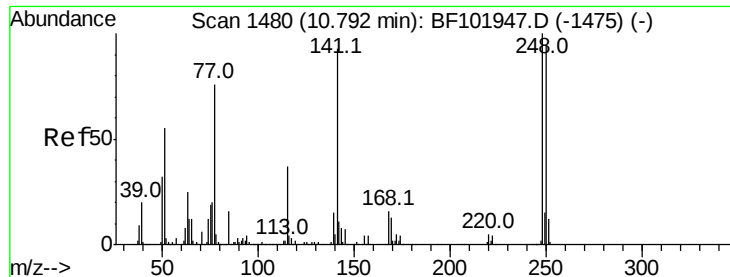
Tot Ion:188 Resp: 408842
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.878 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Tgt Ion:198 Resp: 544
Ion Ratio Lower Upper
198 100
51 224.9 37.7 77.7#
105 236.8 36.3 76.3#

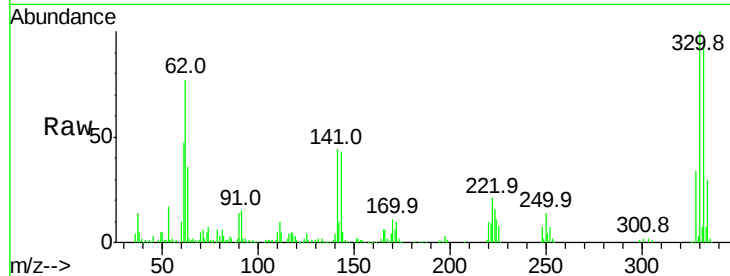




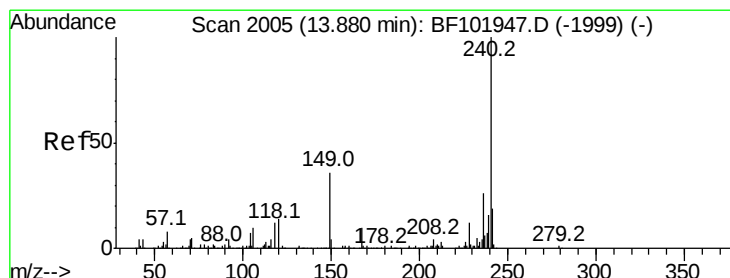
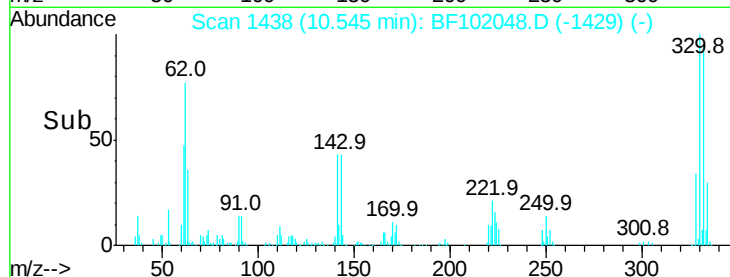
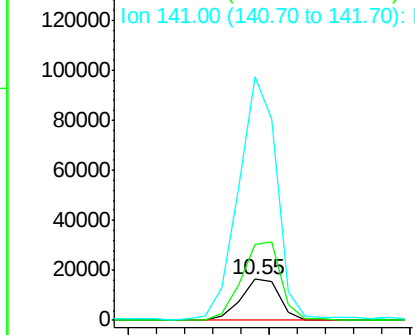
#66
4-Bromophenyl-phenylether
Concen: 3.582 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15467
Ion Ratio Lower Upper
248 100
250 185.7 76.9 115.3#
141 595.6 74.4 111.6#

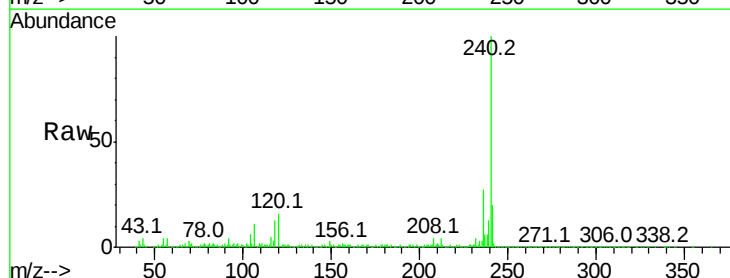


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

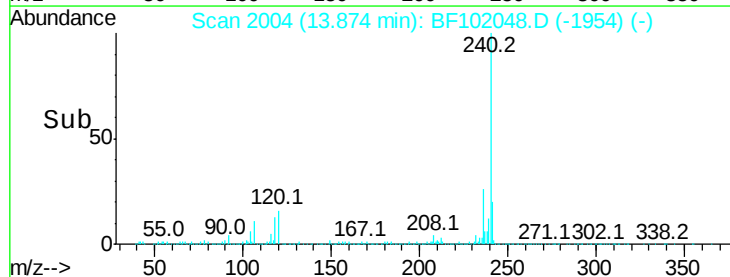
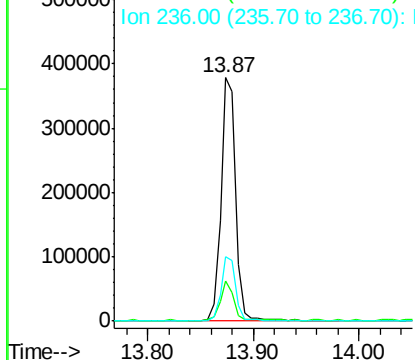


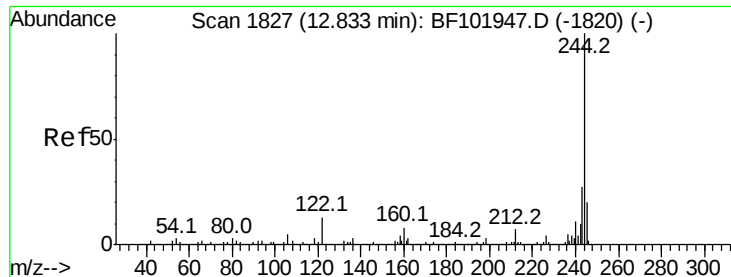
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF102048.D
Acq: 12 Jan 2018 17:40

Tgt Ion:240 Resp: 367726
Ion Ratio Lower Upper
240 100
120 16.4 9.5 14.3#
236 26.6 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: 55.312 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

Instrument :

BNA_F

ClientSampleId :

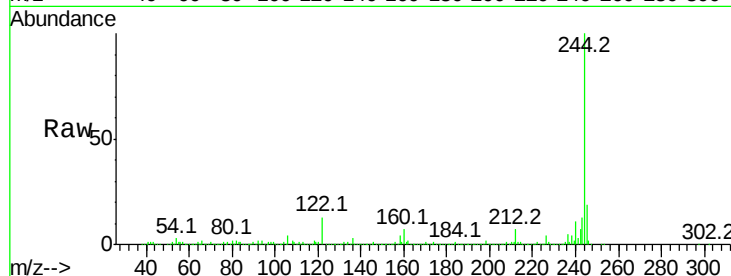
Tot Ion:244 Resp: 979635

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

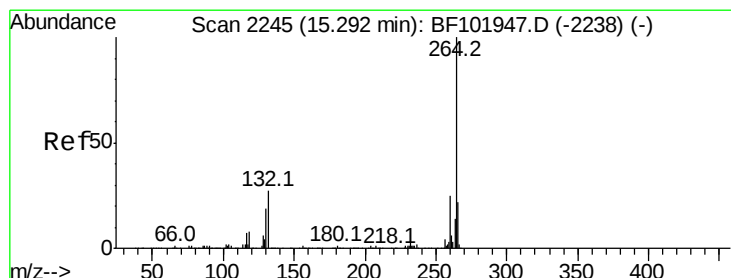
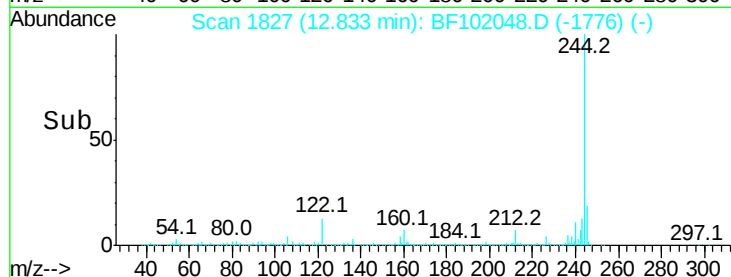
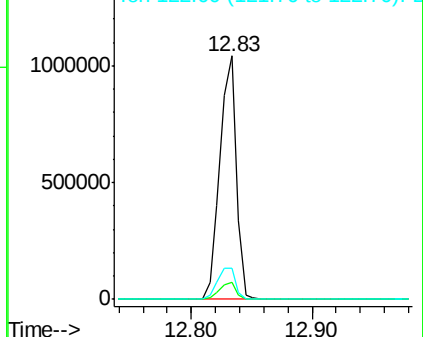
122 12.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102048.D

Acq: 12 Jan 2018 17:40

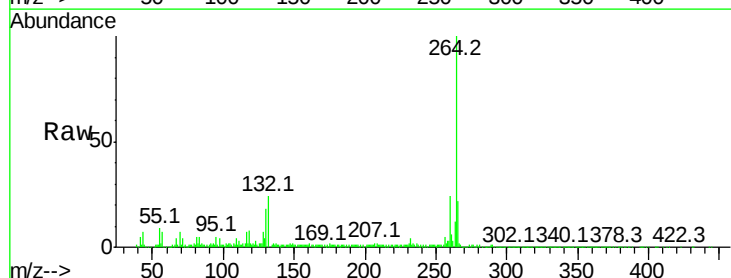
Tgt Ion:264 Resp: 318699

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.1 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

