

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102928.D
 Acq On : 12 Feb 2018 18:44
 Operator : SJ/JU
 Sample : J1517-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 01:04:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

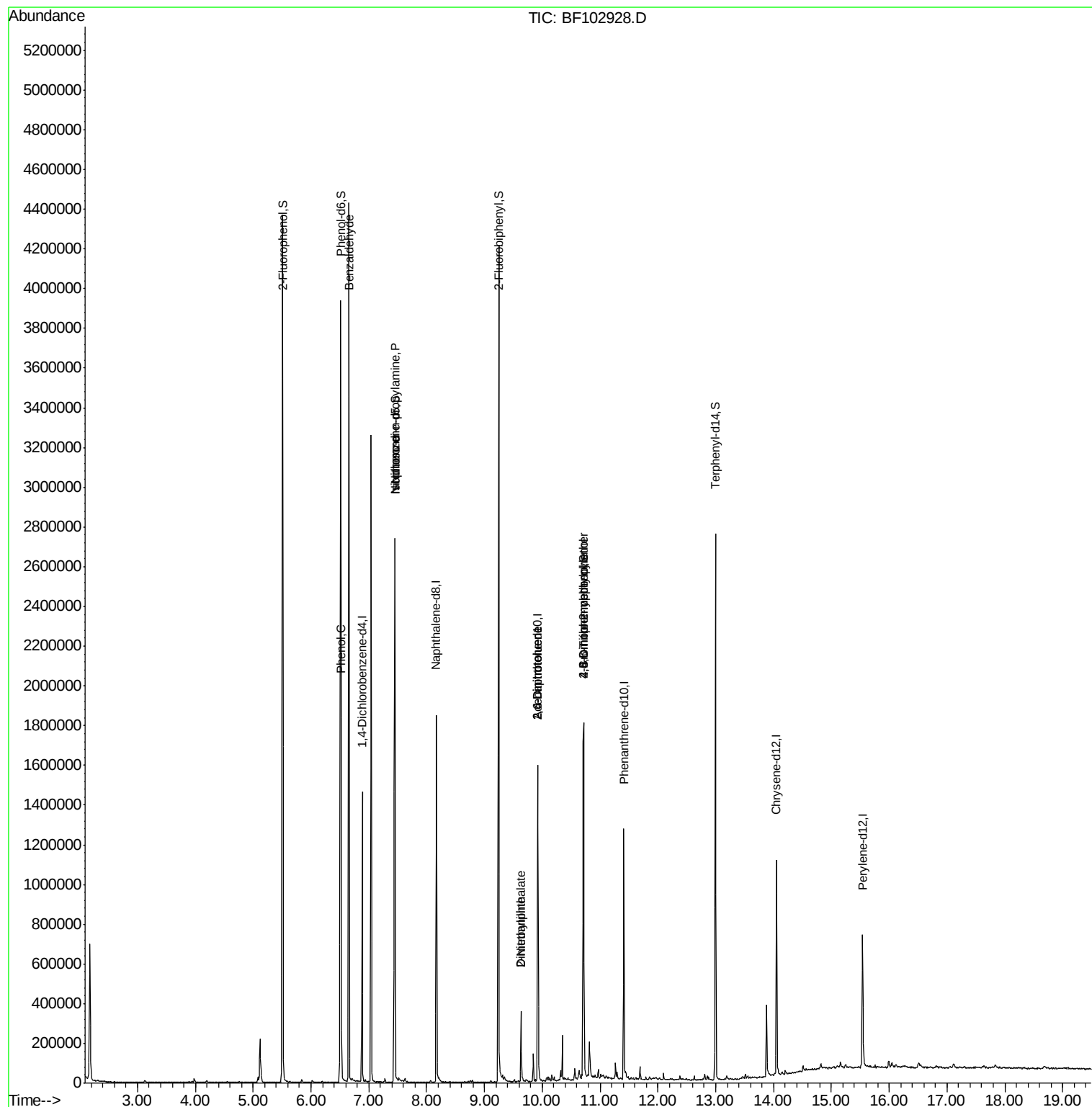
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	192642	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	774724	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	313730	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	448449	20.00	ng	0.00
75) Chrysene-d12	14.05	240	344743	20.00	ng	0.00
86) Perylene-d12	15.54	264	297679	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1204426	94.95	ng	0.02
7) Phenol-d6	6.52	99	1425566	93.34	ng	0.01
23) Nitrobenzene-d5	7.45	82	922071	82.56	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	211043	83.58	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1368498	72.38	ng	0.00
78) Terphenyl-d14	13.00	244	861308	59.16	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	25507	2.25	ng	83
10) Phenol	6.53	94	36381	2.22	ng	97
19) n-Nitroso-di-n-propylamine	7.45	70	123674	12.28	ng	# 82
25) Isophorone	7.45	82	922061	35.86	ng	# 64
47) 2-Nitroaniline	9.63	65	1239	3.65	ng	# 1
49) Dimethylphthalate	9.63	163	133183	5.44	ng	97
50) 2,6-Dinitrotoluene	9.92	165	39001	8.38	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	39002	8.92	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	294	8.94	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	13936	2.94	ng	# 1

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

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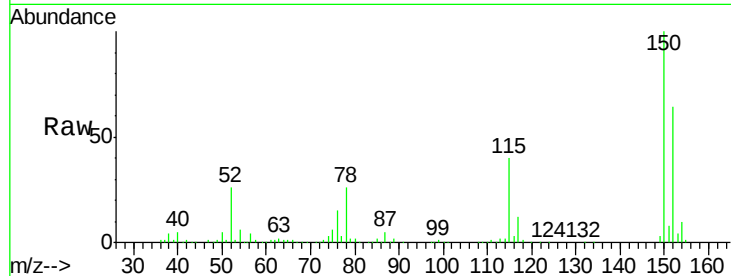


#1

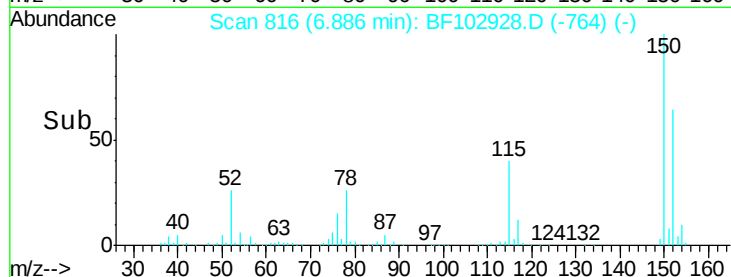
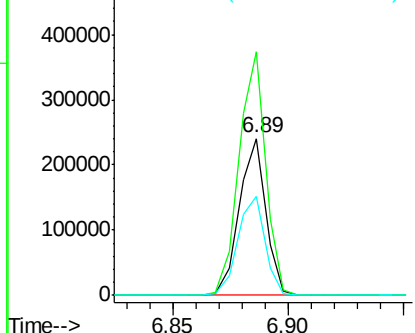
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 192642
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 62.9 50.1 75.1



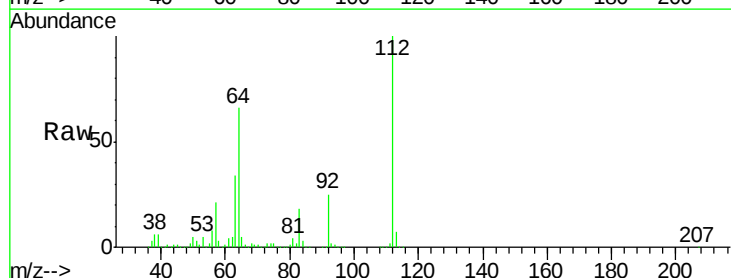
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



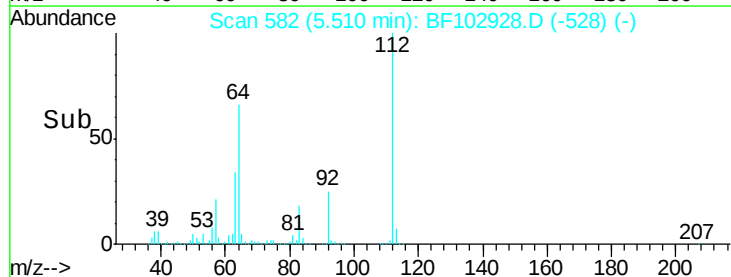
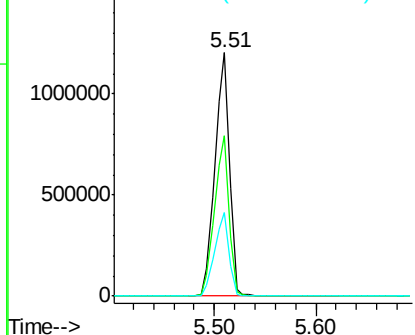
#5

2-Fluorophenol
Concen: 94.95 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

Tgt Ion:112 Resp: 1204426
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 34.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.34 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

Instrument :

BNA_F

ClientSampleId :

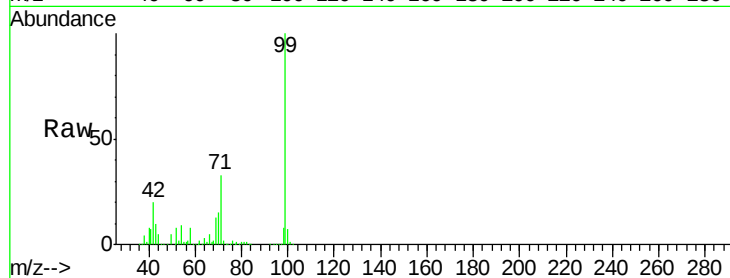
Tot Ion: 99 Resp: 1425566

Ion Ratio Lower Upper

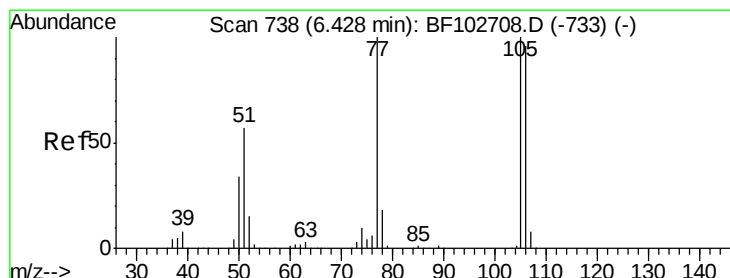
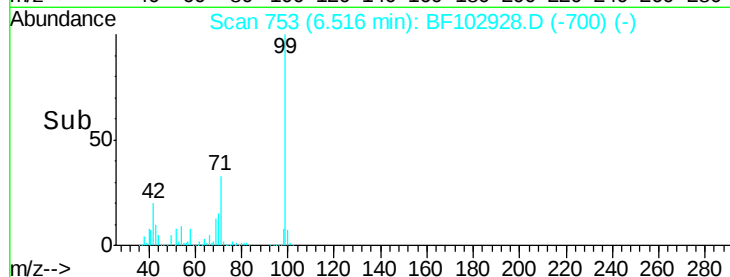
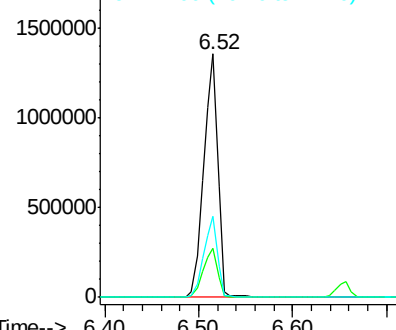
99 100

42 20.2 14.5 21.7

71 33.2 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: 2.25 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

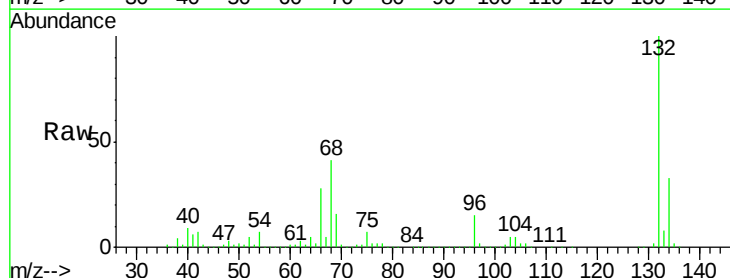
Tgt Ion: 77 Resp: 25507

Ion Ratio Lower Upper

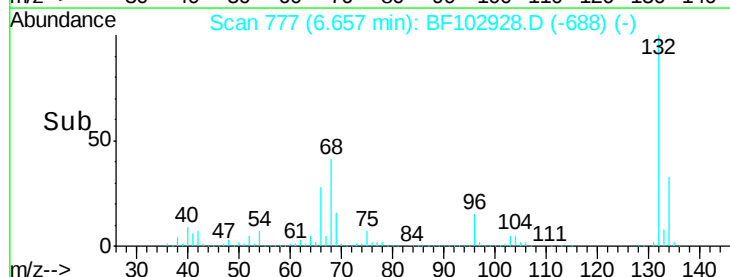
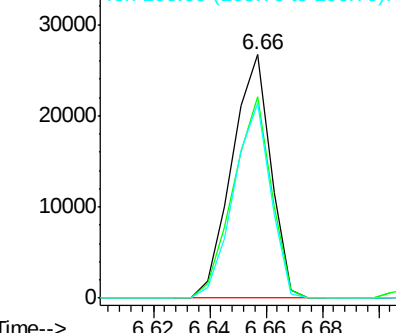
77 100

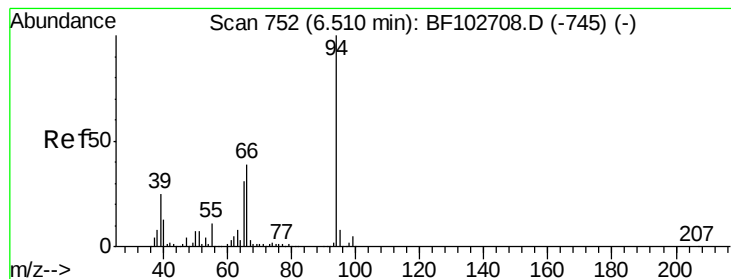
105 82.6 81.1 121.1

106 80.0 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: 2.22 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

Instrument :

BNA_F

ClientSampleId :

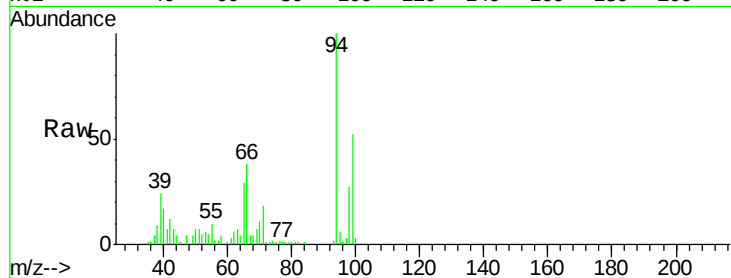
Tot Ion: 94 Resp: 36381

Ion Ratio Lower Upper

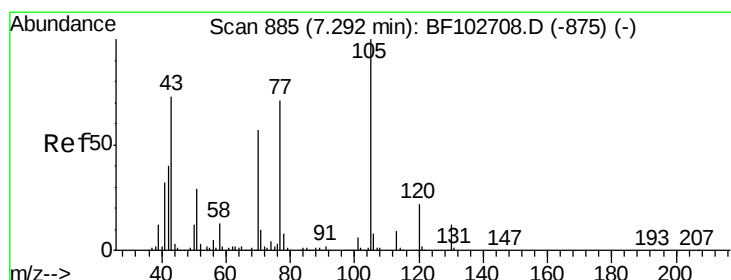
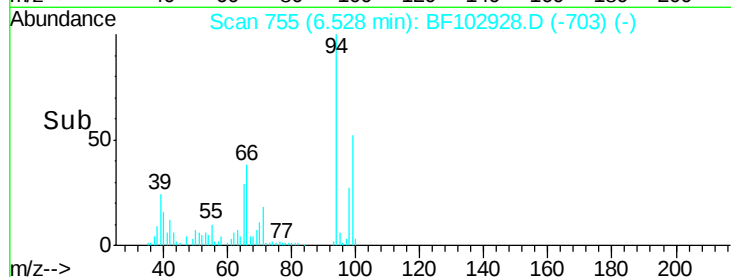
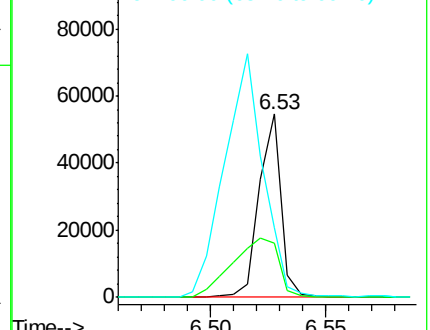
94 100

65 29.3 7.9 47.9

66 38.3 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: 12.28 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

Tgt Ion: 70 Resp: 123674

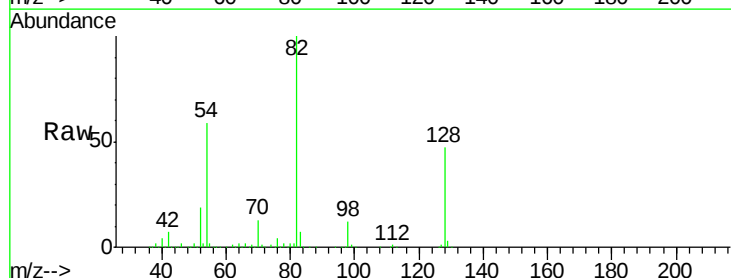
Ion Ratio Lower Upper

70 100

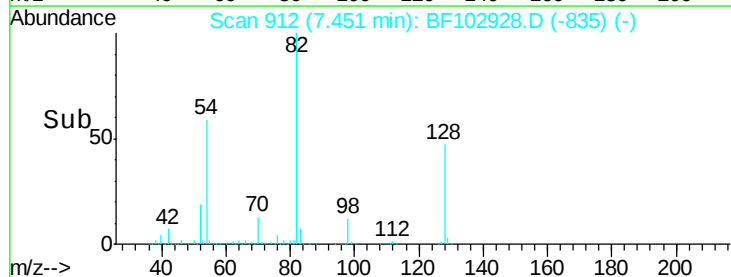
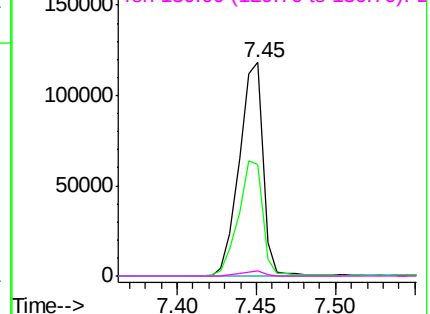
42 52.3 47.5 71.3

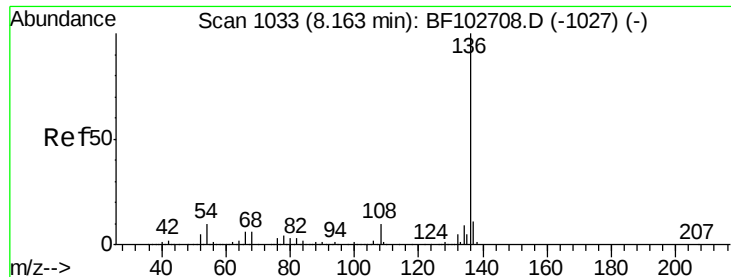
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

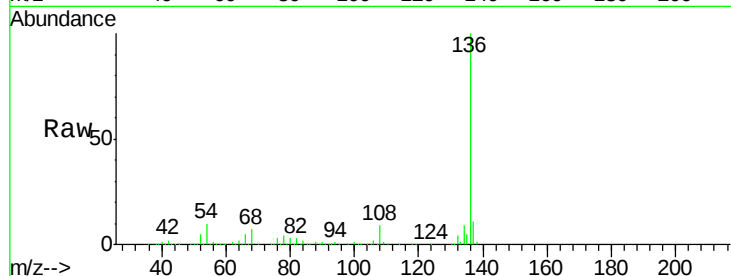




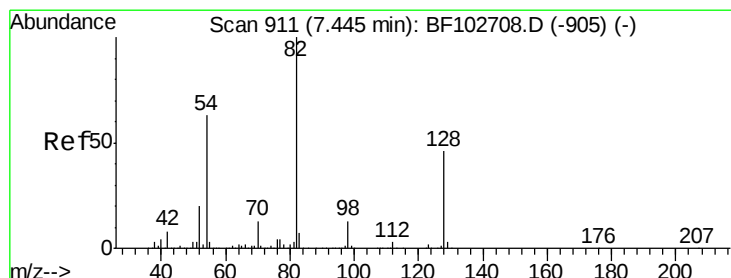
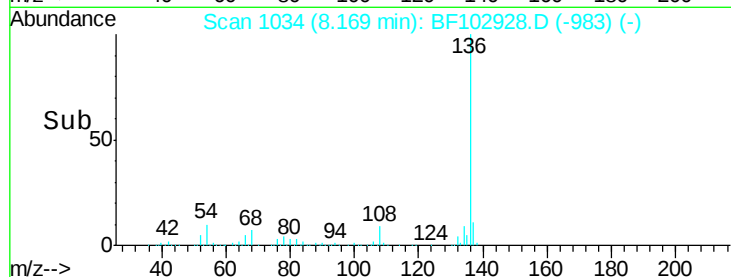
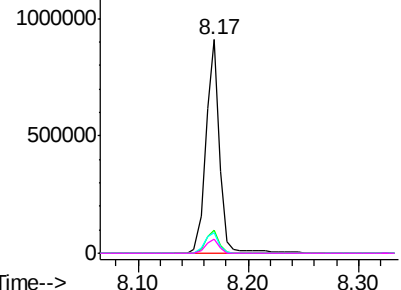
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	774724
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 9.7	6.6	9.8
68 6.5	5.0	7.4

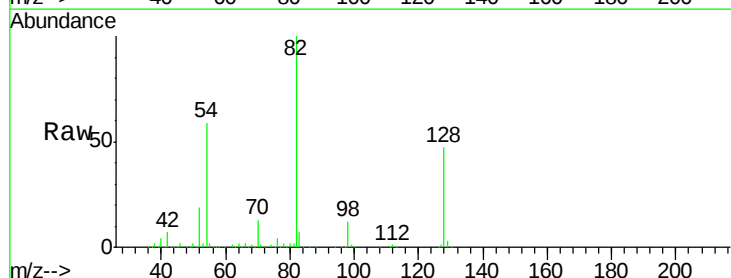


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

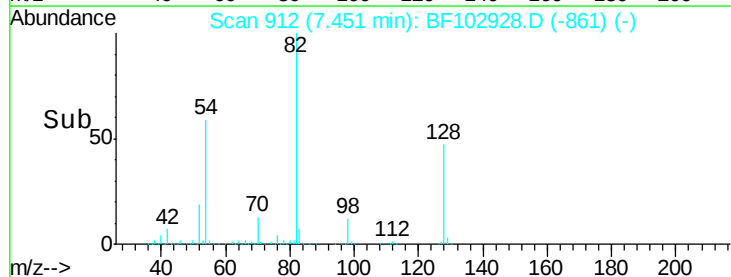
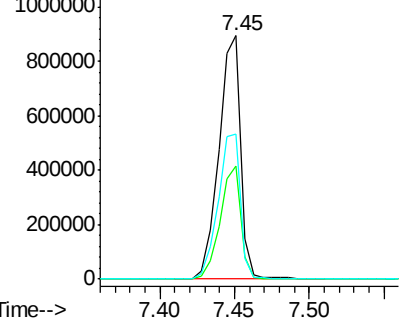


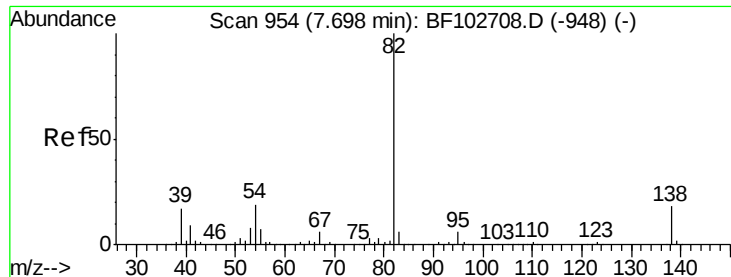
#23
Nitrobenzene-d5
Concen: 82.56 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

Tgt Ion: 82	Resp: 922071
Ion Ratio	Lower Upper
82 100	
128 46.6	36.1 54.1
54 59.5	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: 35.86 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.25 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

Instrument :

BNA_F

ClientSampled :

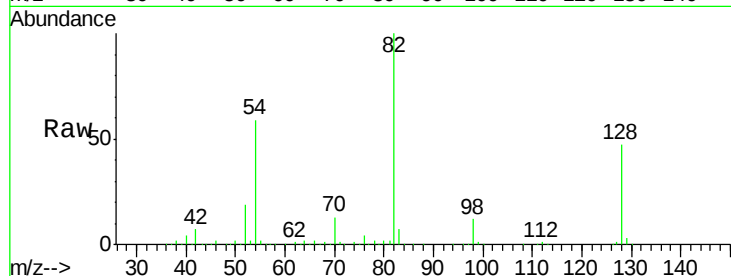
Tot Ion: 82 Resp: 922061

Ion Ratio Lower Upper

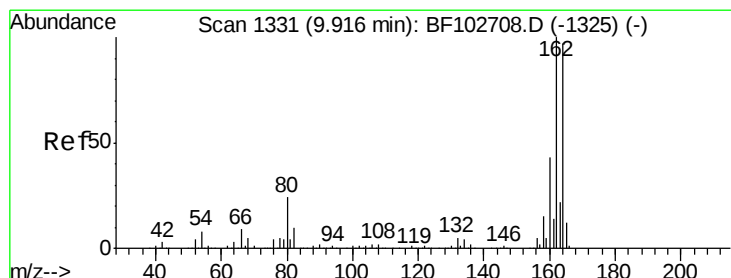
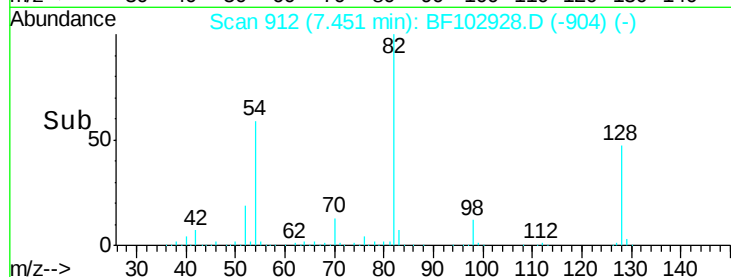
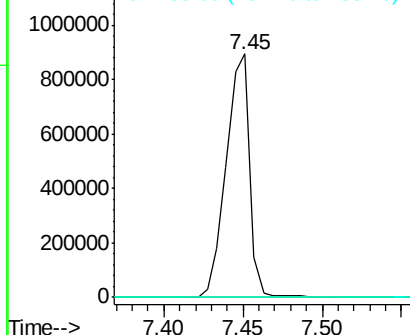
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

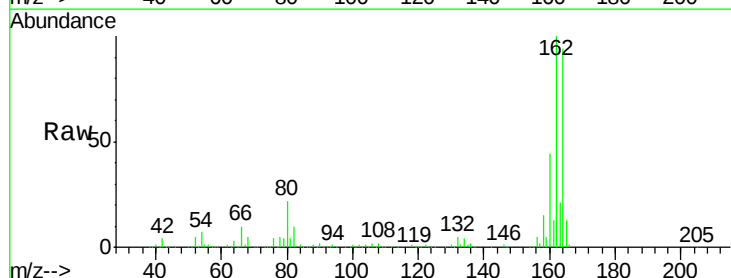
Tgt Ion: 164 Resp: 313730

Ion Ratio Lower Upper

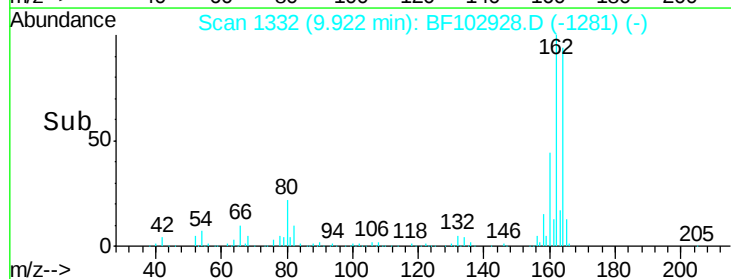
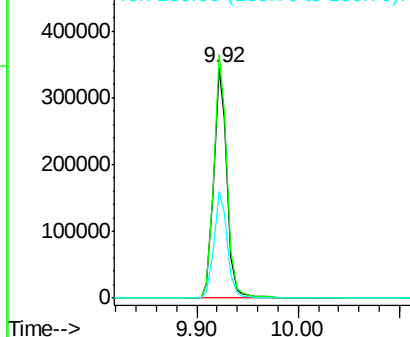
164 100

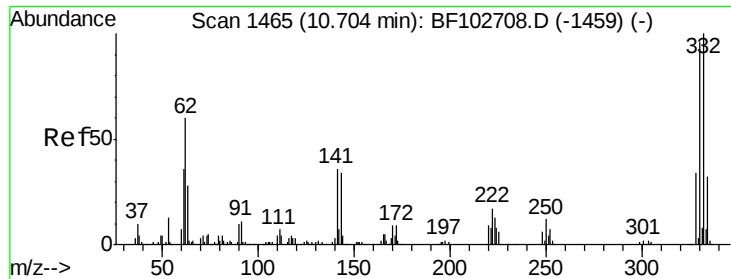
162 105.9 86.1 129.1

160 46.7 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

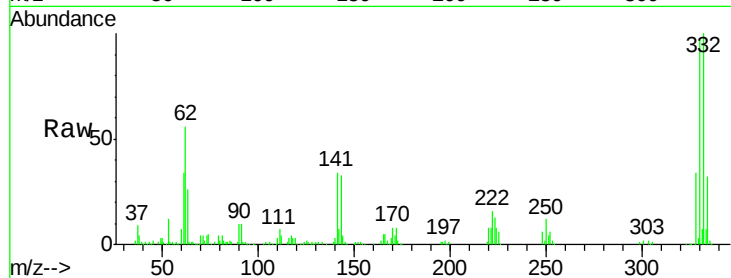




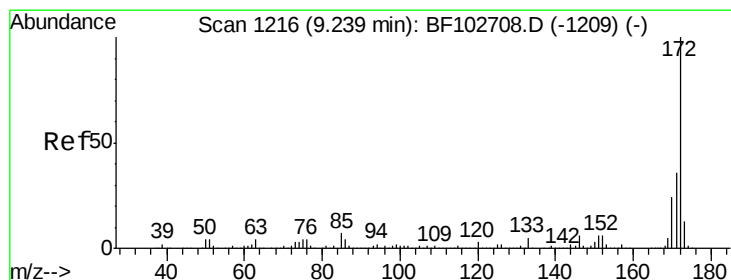
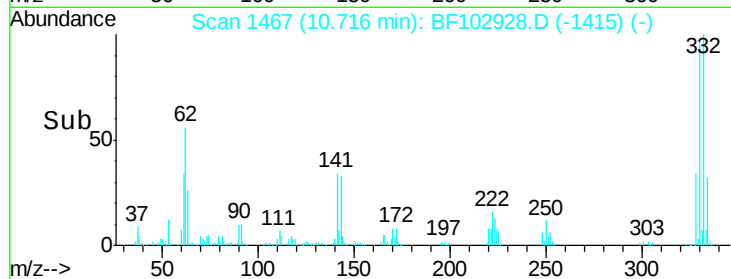
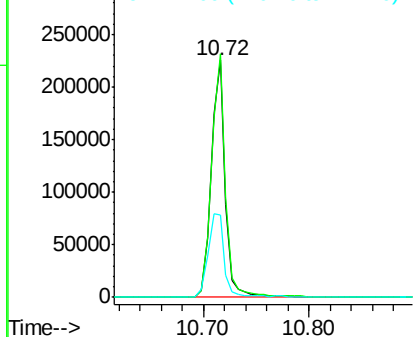
#41
 2,4,6-Tribromophenol
 Concen: 83.58 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102928.D
 Acq: 12 Feb 2018 18:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 211043
 Ion Ratio Lower Upper
 330 100
 332 103.0 77.0 115.6
 141 40.7 29.9 44.9

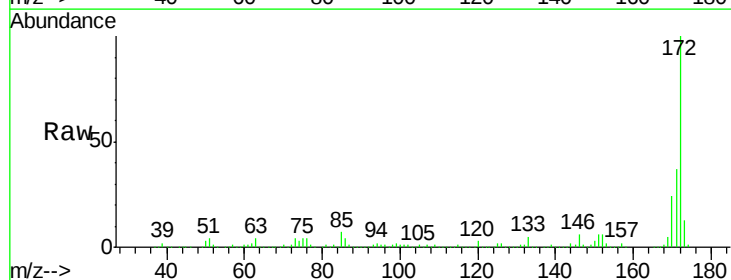


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

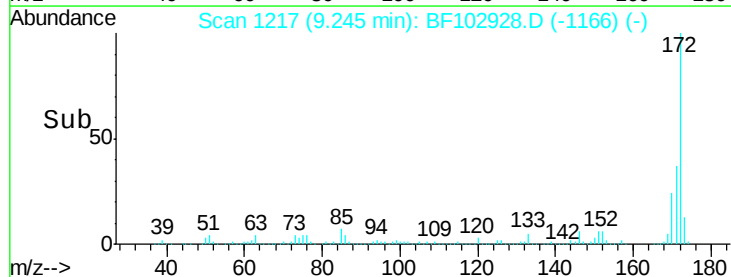
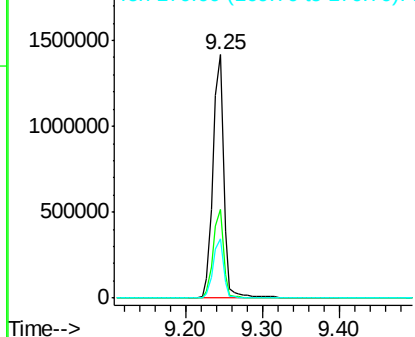


#44
 2-Fluorobiphenyl
 Concen: 72.38 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102928.D
 Acq: 12 Feb 2018 18:44

Tgt Ion:172 Resp: 1368498
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.3 19.6 29.4



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





#47

2-Nitroaniline

Concen: 3.65 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.17 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

Instrument :

BNA_F

ClientSampleId :

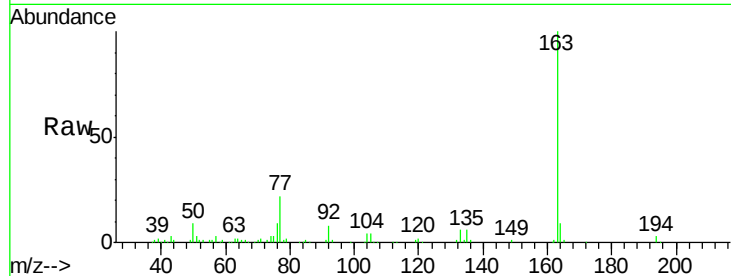
Tot Ion: 65 Resp: 1239

Ion Ratio Lower Upper

65 100

92 798.0 55.8 83.6#

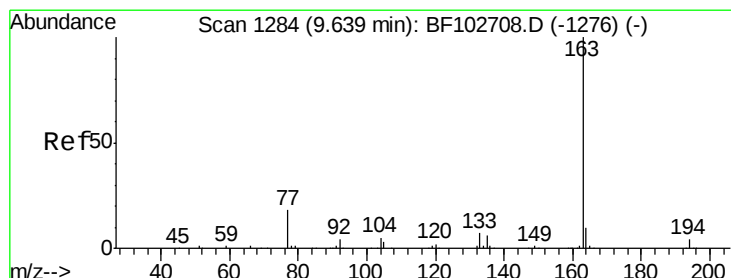
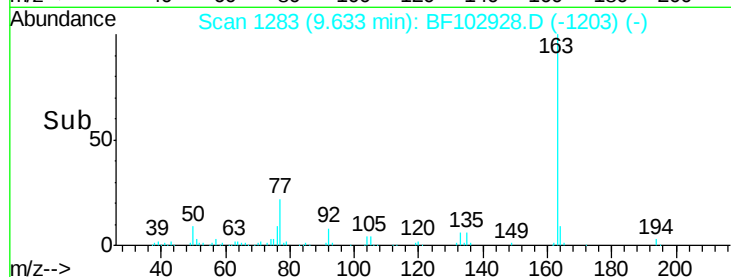
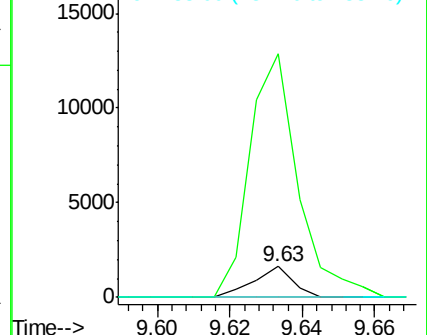
138 0.0 91.2 136.8#



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): BF1



#49

Dimethylphthalate

Concen: 5.44 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

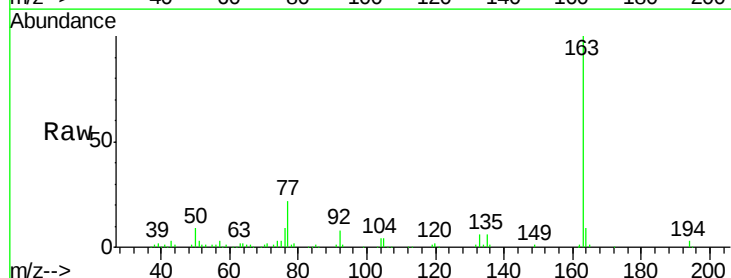
Tgt Ion: 163 Resp: 133183

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

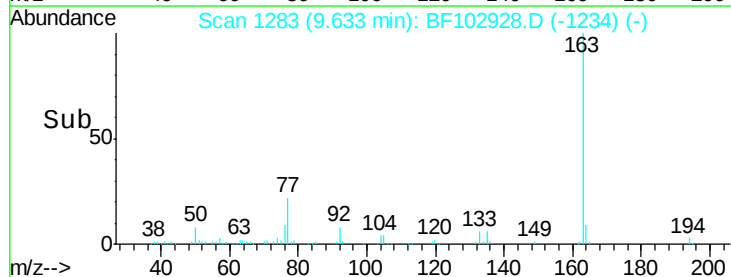
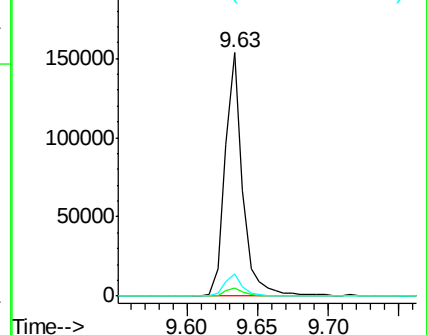
164 9.0 8.2 12.2

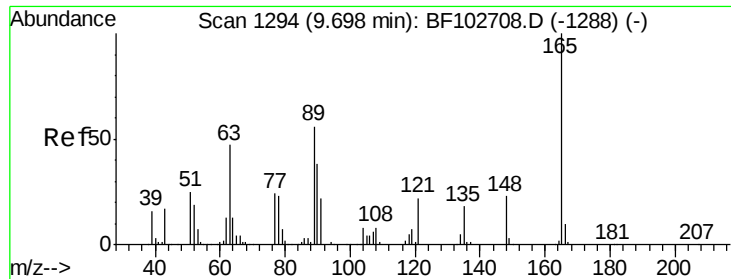


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

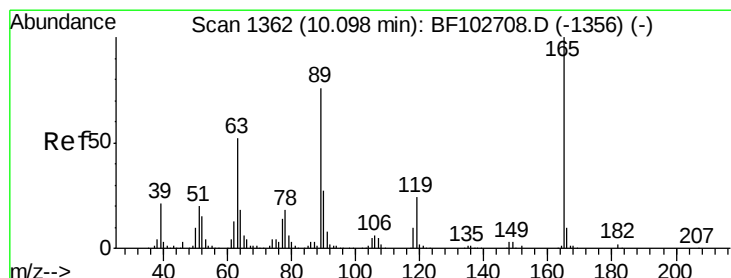
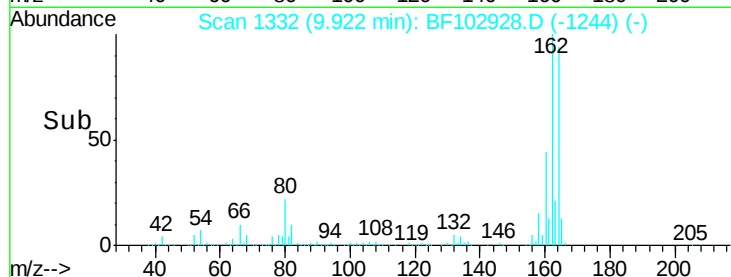
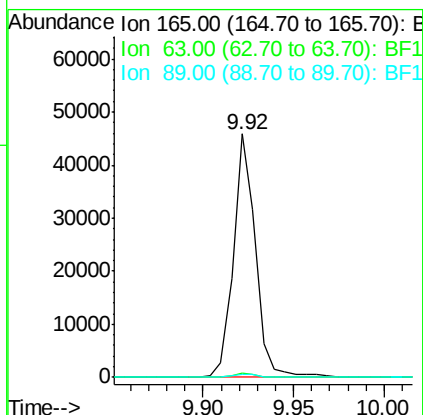
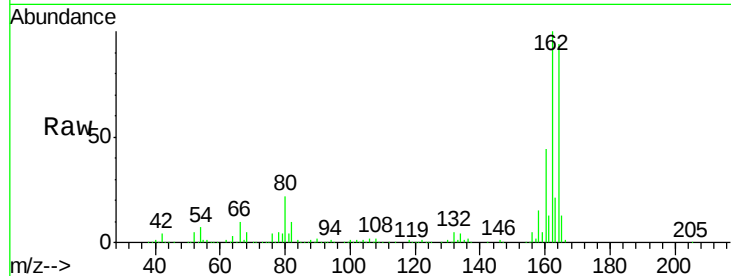




#50
 2,6-Dinitrotoluene
 Concen: 8.38 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102928.D
 Acq: 12 Feb 2018 18:44

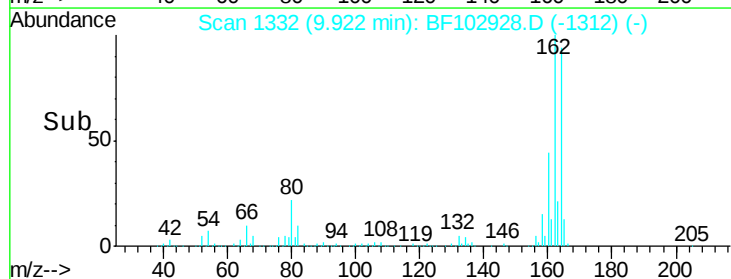
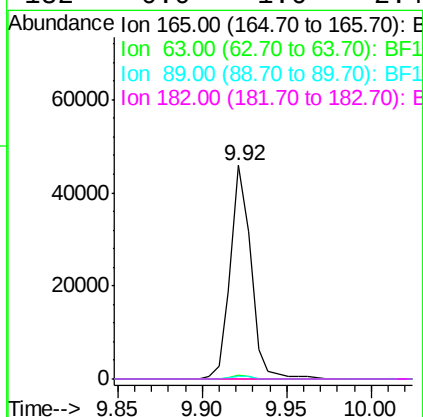
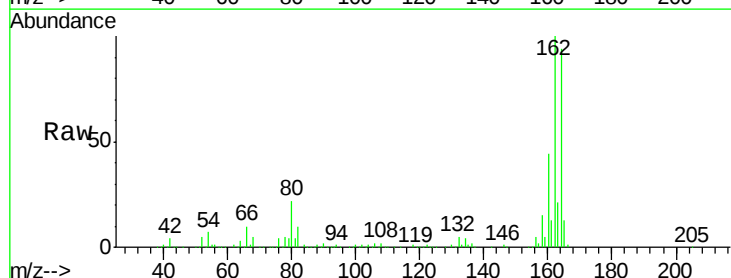
Instrument :
 BNA_F
 ClientSampleId :

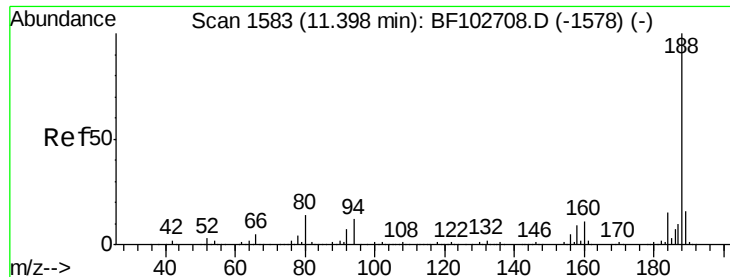
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 8.92 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102928.D
 Acq: 12 Feb 2018 18:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

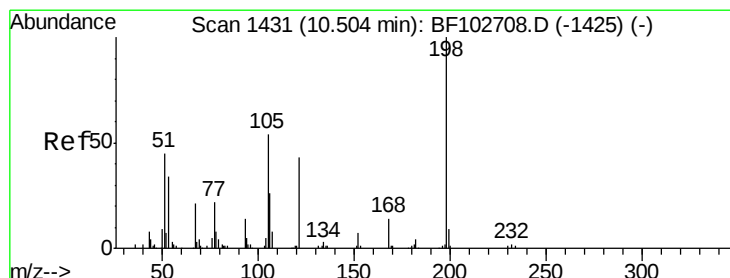
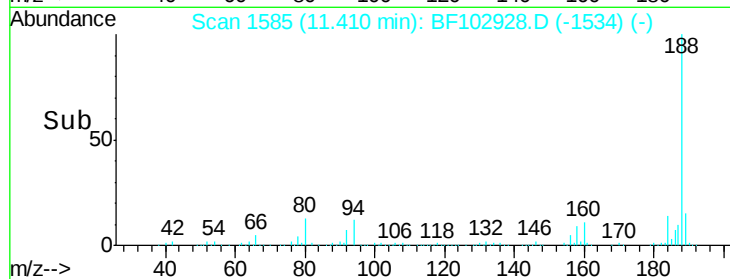
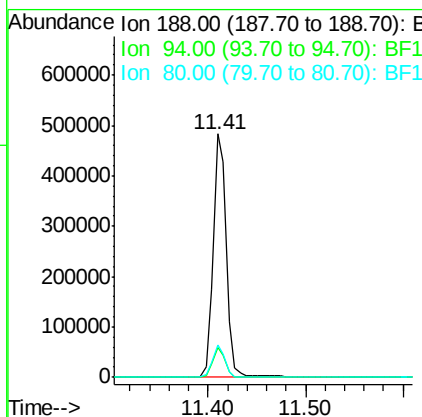
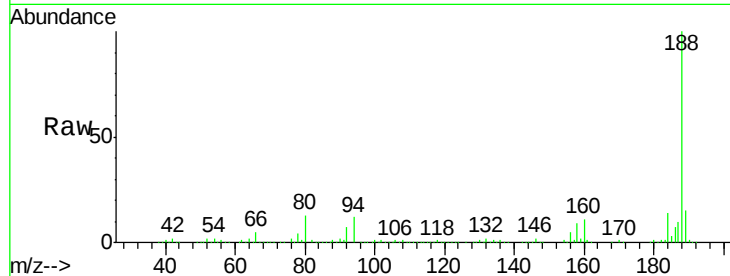




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

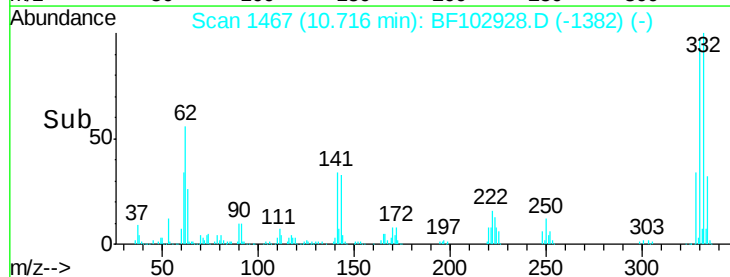
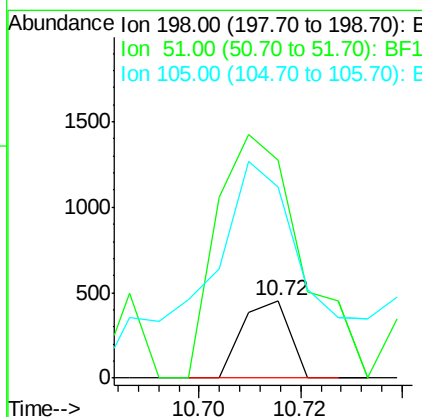
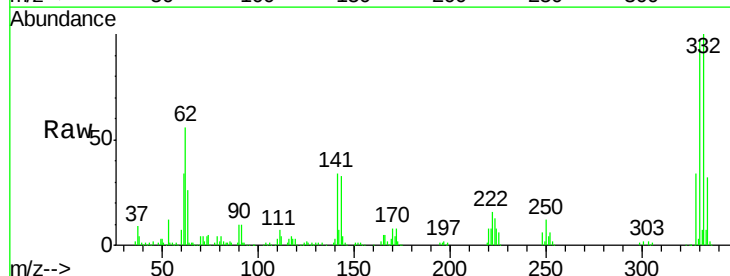
Instrument :
BNA_F
ClientSampleId :

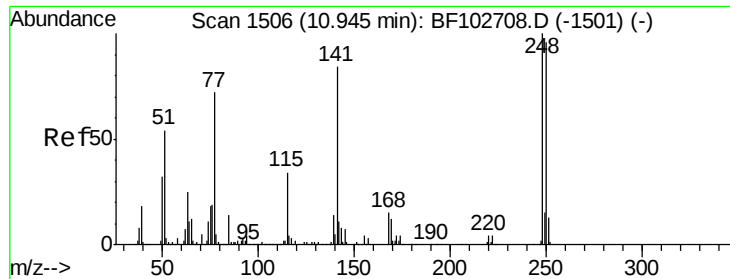
Tot Ion:188 Resp: 448449
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 13.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.94 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.20 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

Tgt Ion:198 Resp: 294
Ion Ratio Lower Upper
198 100
51 282.7 37.7 77.7#
105 246.9 36.3 76.3#

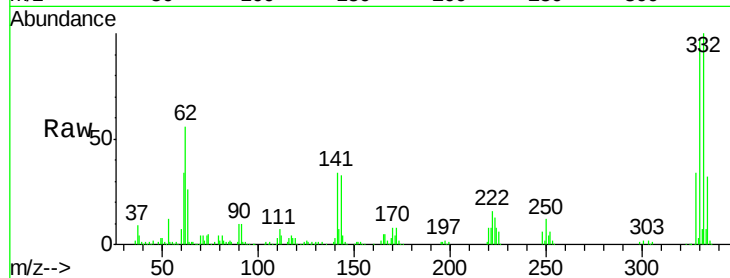




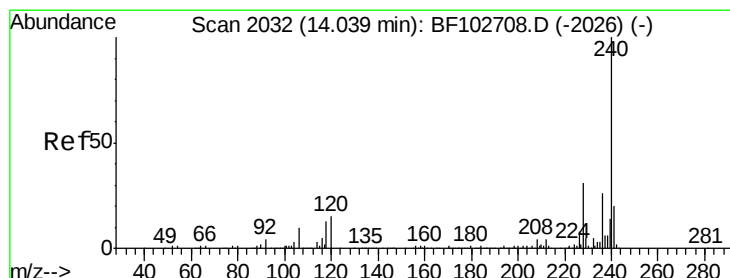
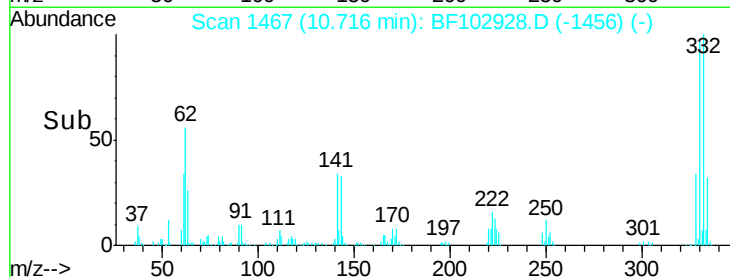
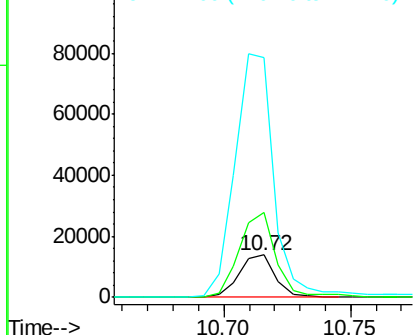
#66
4-Bromophenyl-phenylether
Concen: 2.94 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13936
Ion Ratio Lower Upper
248 100
250 200.7 76.9 115.3#
141 562.4 74.4 111.6#

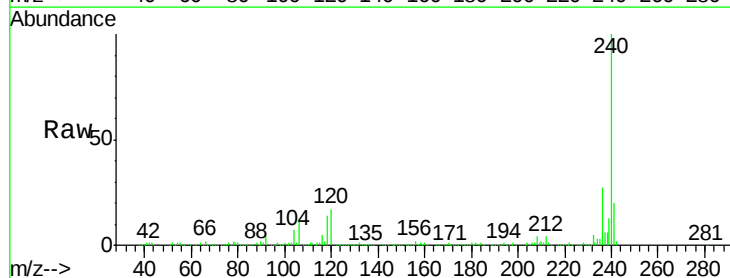


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

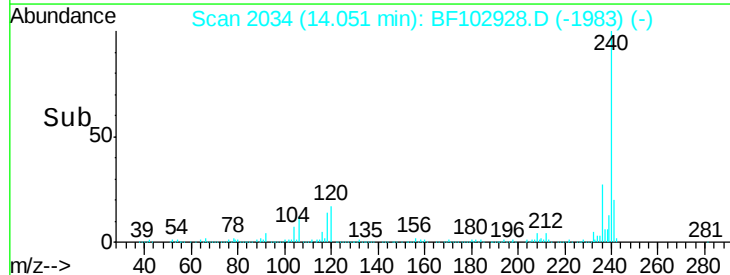
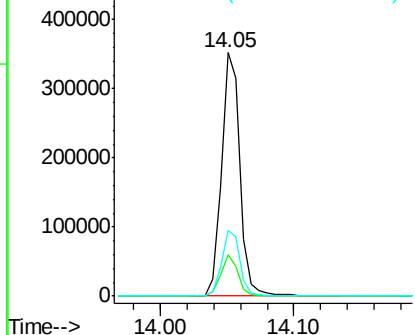


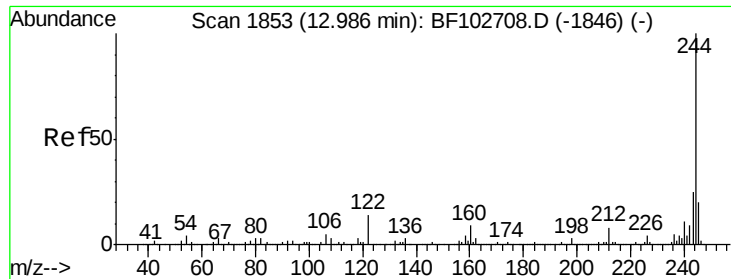
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF102928.D
Acq: 12 Feb 2018 18:44

Tgt Ion:240 Resp: 344743
Ion Ratio Lower Upper
240 100
120 17.1 9.5 14.3#
236 26.8 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: 59.16 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

Instrument :

BNA_F

ClientSampleId :

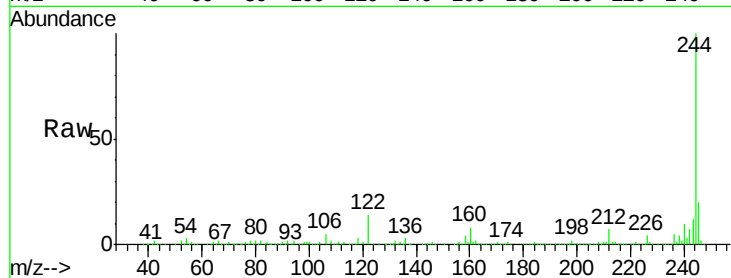
Tot Ion:244 Resp: 861308

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

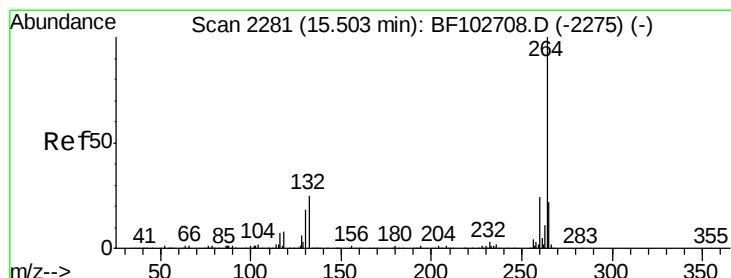
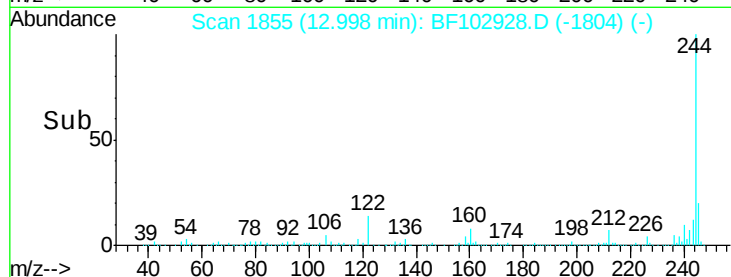
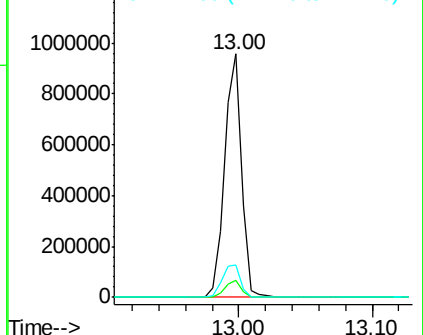
122 13.5 11.0 16.4



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: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102928.D

Acq: 12 Feb 2018 18:44

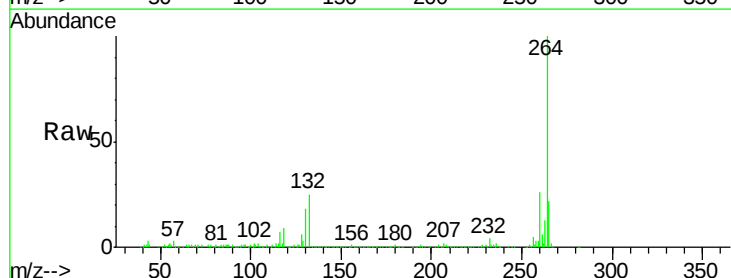
Tgt Ion:264 Resp: 297679

Ion Ratio Lower Upper

264 100

260 26.3 19.2 28.8

265 21.7 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

