

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102839.D
 Acq On : 8 Feb 2018 2:37
 Operator : SJ/JU
 Sample : J1465-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 06:30:57 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

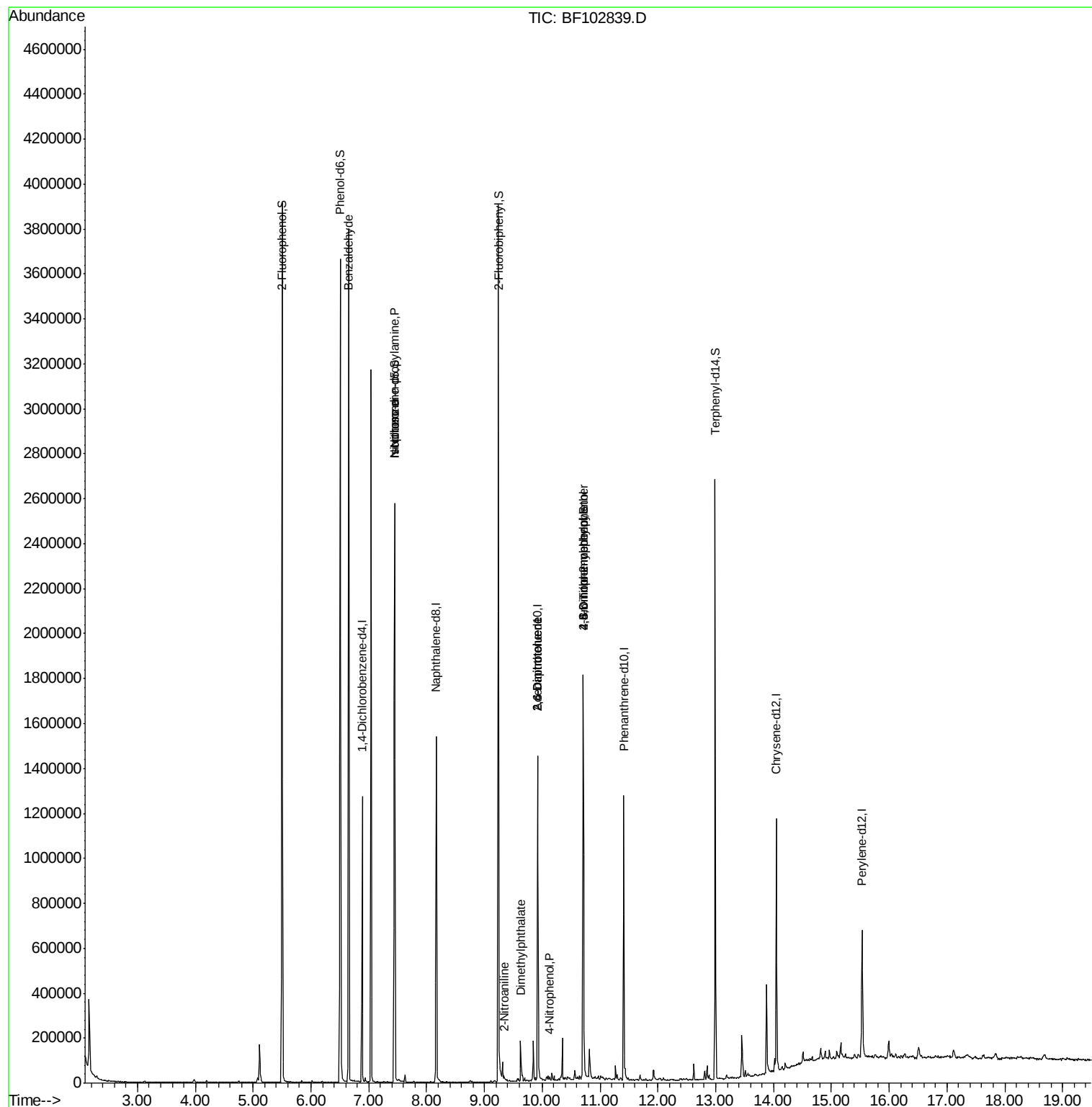
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	181977	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	721636	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	276455	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	411228	20.00	ng	0.00
75) Chrysene-d12	14.05	240	336825	20.00	ng	0.00
86) Perylene-d12	15.53	264	262678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1079119	90.06	ng	0.01
7) Phenol-d6	6.51	99	1280997	88.79	ng	0.00
23) Nitrobenzene-d5	7.45	82	775681	74.57	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	200543	90.13	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1264779	75.92	ng	0.00
78) Terphenyl-d14	12.99	244	909375	63.93	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	22166	2.07	ng	81
19) n-Nitroso-di-n-propylamine	7.45	70	104700	11.01	ng	# 81
25) Isophorone	7.45	82	775674	32.38	ng	# 64
47) 2-Nitroaniline	9.34	65	119	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	76786	3.56	ng	99
50) 2,6-Dinitrotoluene	9.92	165	36267	8.84	ng	# 25
55) 4-Nitrophenol	10.12	139	120	4.05	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	36261	9.25	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	379	9.00	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	12997	2.99	ng	# 1

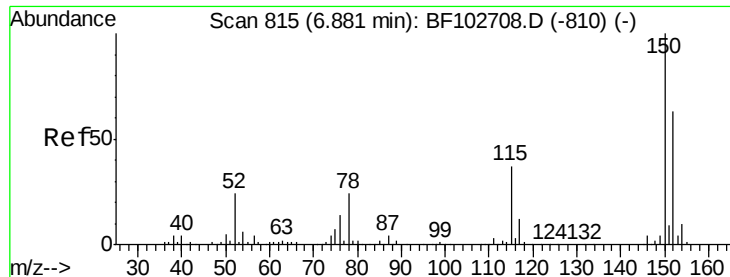
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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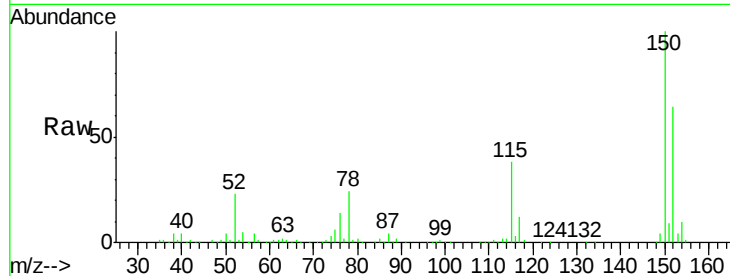


#1

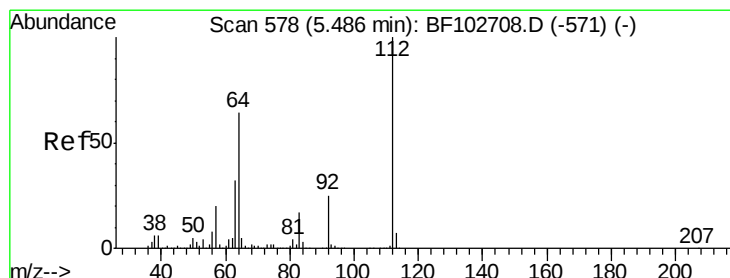
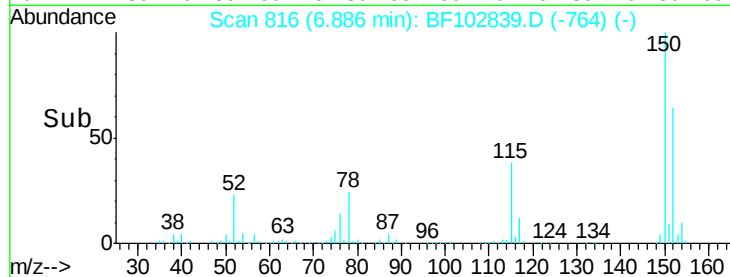
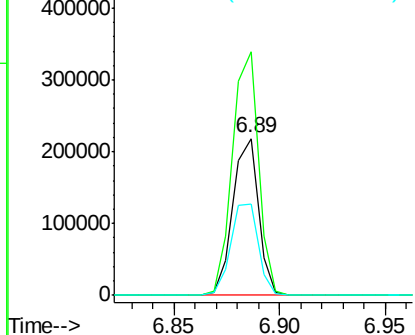
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 181977
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 58.3 50.1 75.1



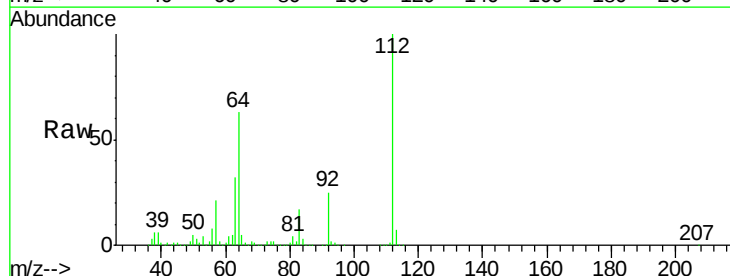
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



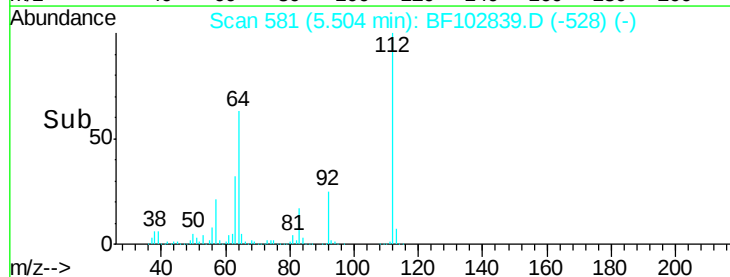
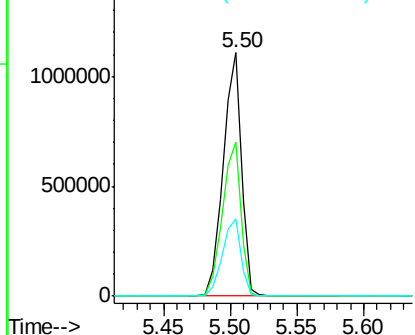
#5

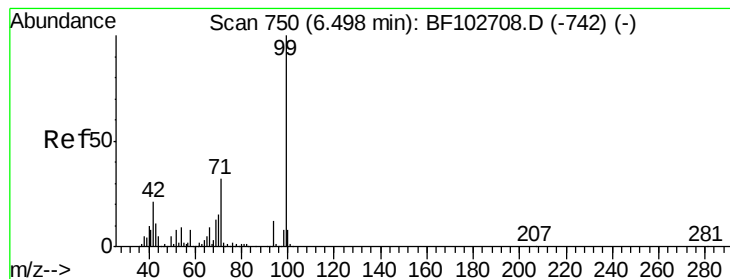
2-Fluorophenol
Concen: 90.06 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

Tgt Ion:112 Resp: 1079119
Ion Ratio Lower Upper
112 100
64 63.4 47.9 71.9
63 31.9 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: 88.79 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

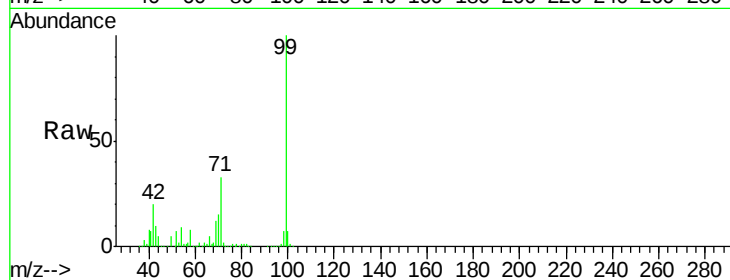
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1280997

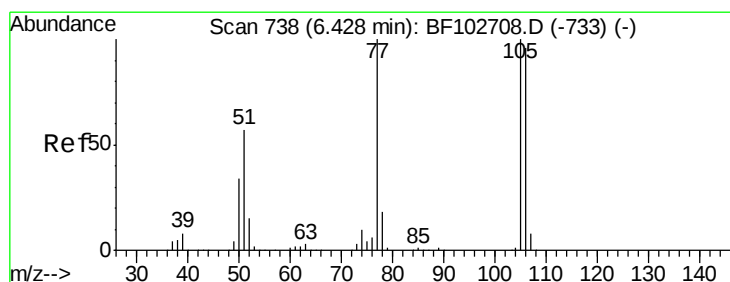
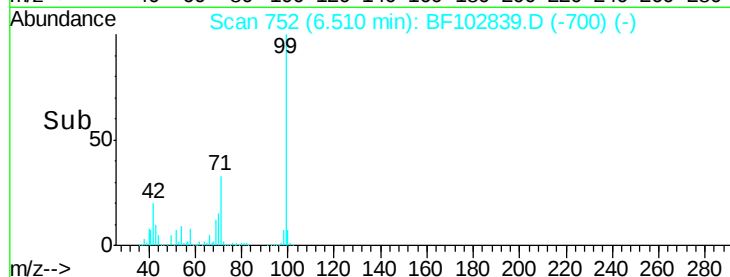
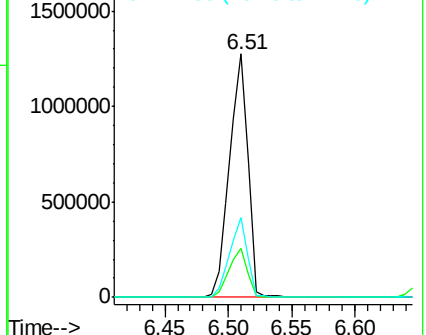
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	32.8	25.4	38.0



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: 2.07 ng

RT: 6.65 min Scan# 776

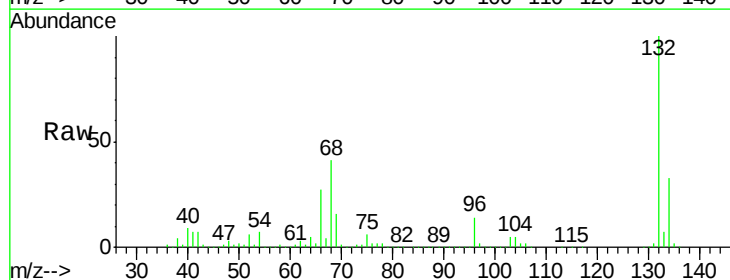
Delta R.T. 0.22 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

Tgt Ion: 77 Resp: 22166

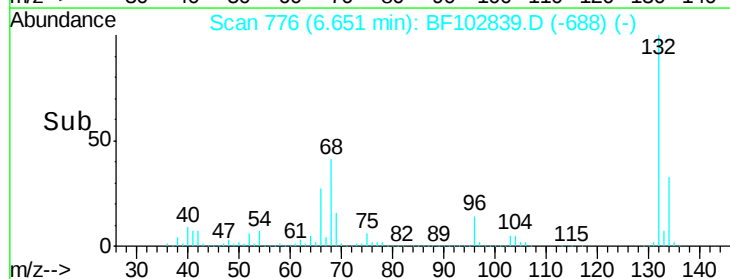
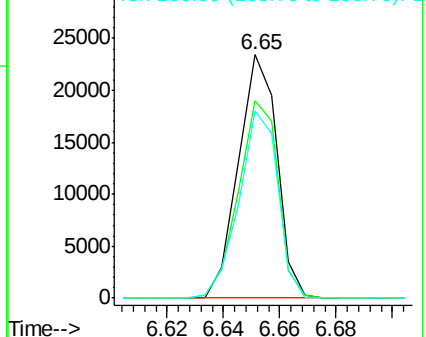
Ion	Ratio	Lower	Upper
77	100		
105	81.4	81.1	121.1
106	76.7	74.5	114.5



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





#19

n-Nitroso-di-n-propylamine

Concen: 11.01 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 104700

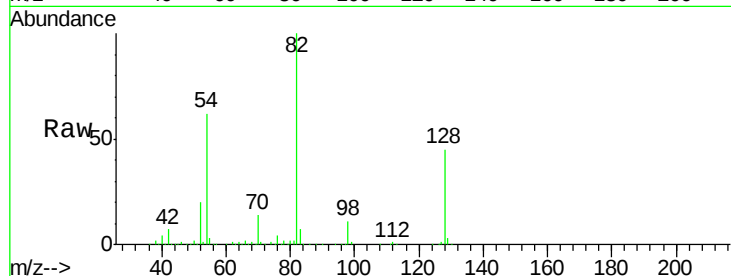
Ion Ratio Lower Upper

70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

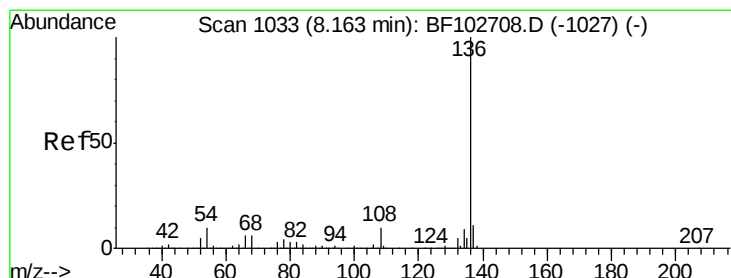
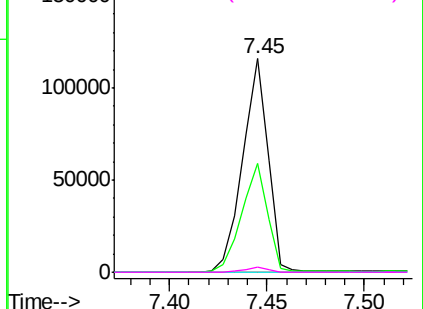
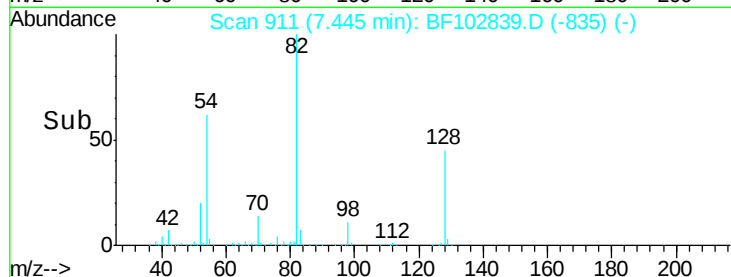


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF102839.D

Acq: 8 Feb 2018 2:37

Tgt Ion: 136 Resp: 721636

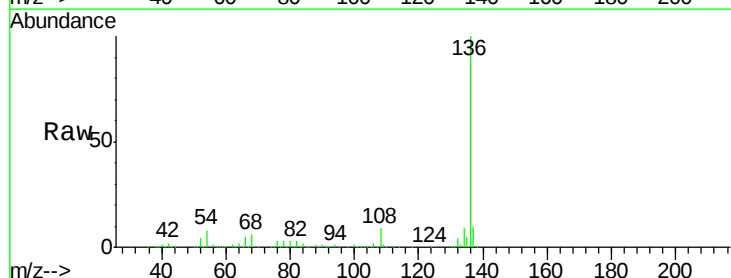
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 8.3 6.6 9.8

68 5.9 5.0 7.4

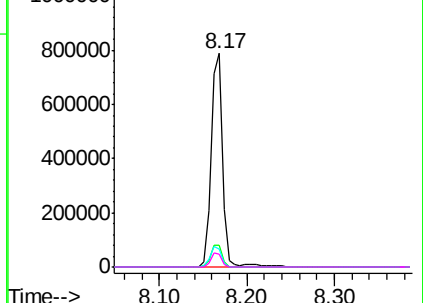
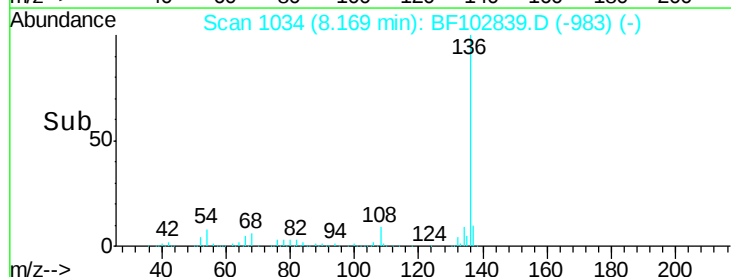


Abundance Ion 136.00 (135.70 to 136.70): BF1

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

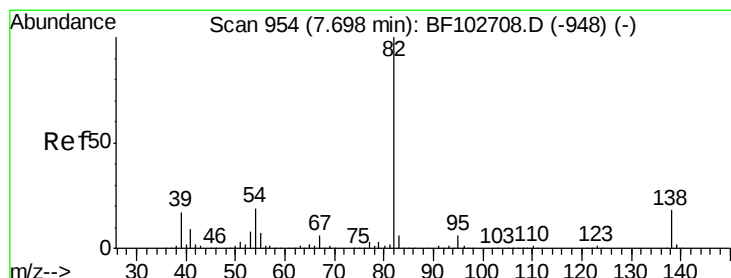
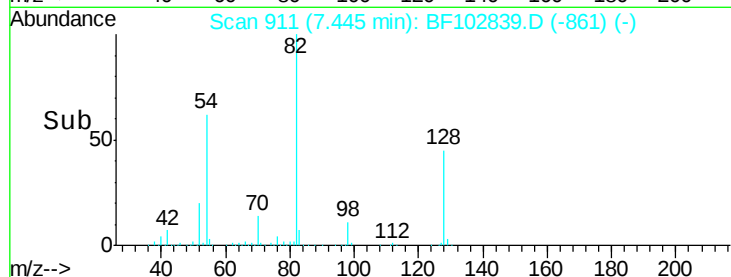
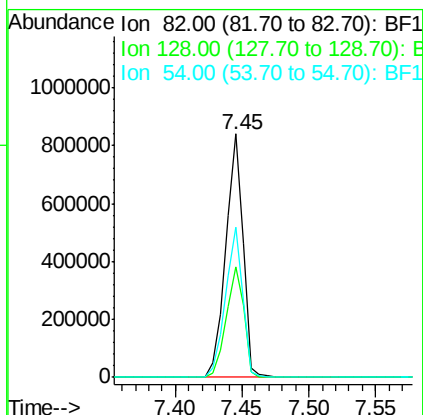
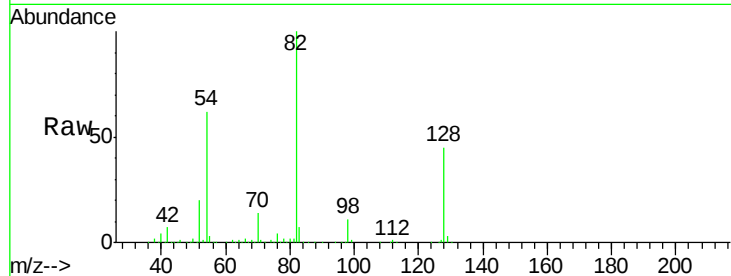




#23
Nitrobenzene-d5
Concen: 74.57 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

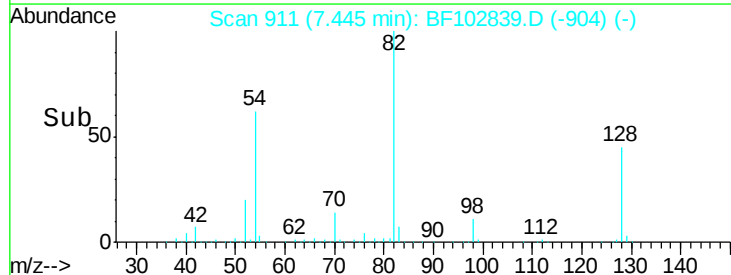
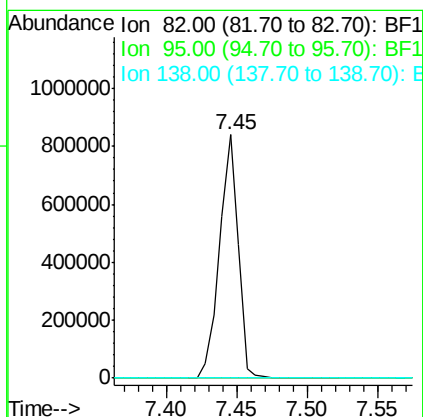
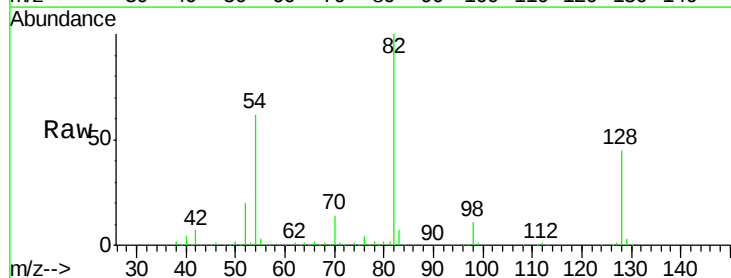
Instrument :
BNA_F
ClientSampleId :

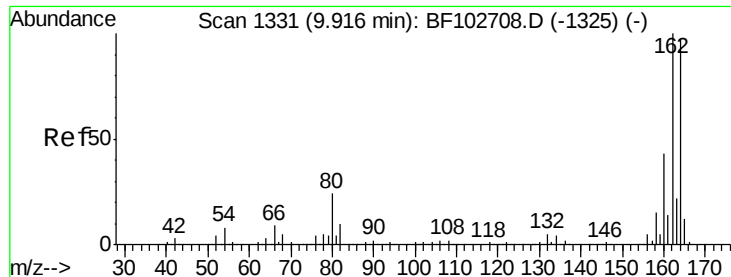
Tot Ion	82	Resp	775681
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.1	54.1
54	61.6	41.4	62.2



#25
Isophorone
Concen: 32.38 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

Tgt Ion	82	Resp	775674
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

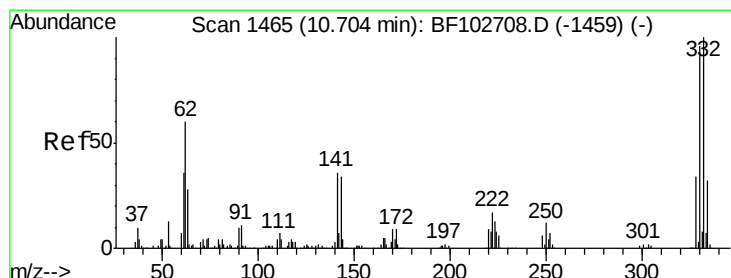
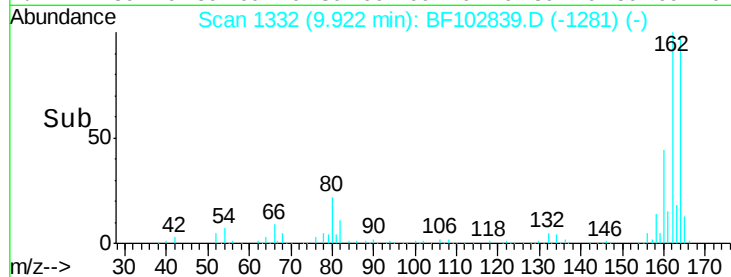
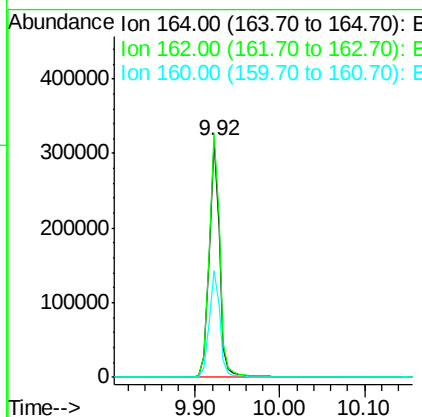
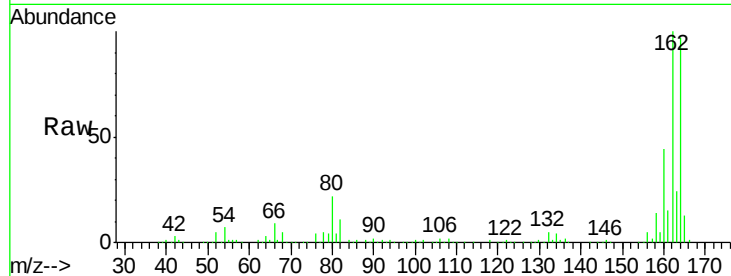




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102839.D
 Acq: 8 Feb 2018 2:37

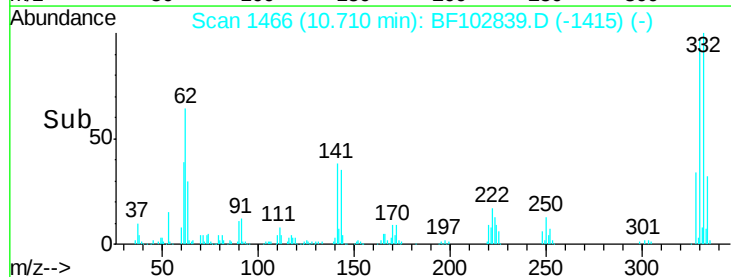
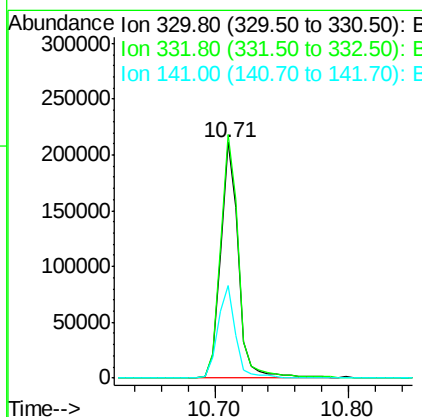
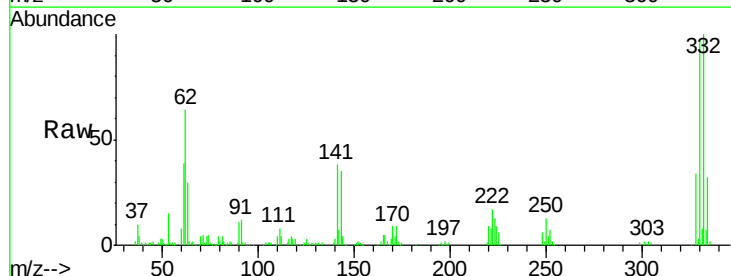
Instrument :
 BNA_F
 ClientSampleId :

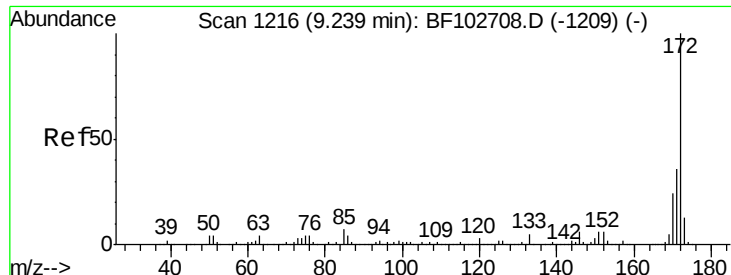
Tot Ion:164 Resp: 276455
 Ion Ratio Lower Upper
 164 100
 162 103.1 86.1 129.1
 160 45.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 90.13 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102839.D
 Acq: 8 Feb 2018 2:37

Tgt Ion:330 Resp: 200543
 Ion Ratio Lower Upper
 330 100
 332 104.6 77.0 115.6
 141 38.7 29.9 44.9



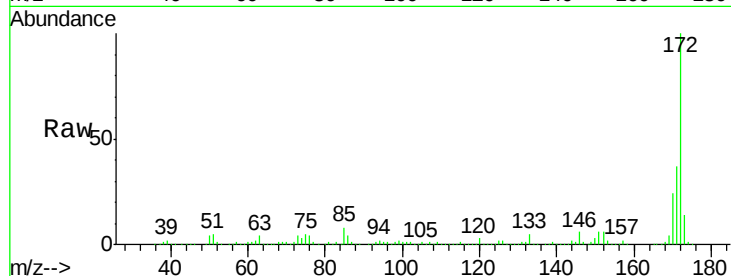


#44
 2-Fluorobiphenyl
 Concen: 75.92 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102839.D
 Acq: 8 Feb 2018 2:37

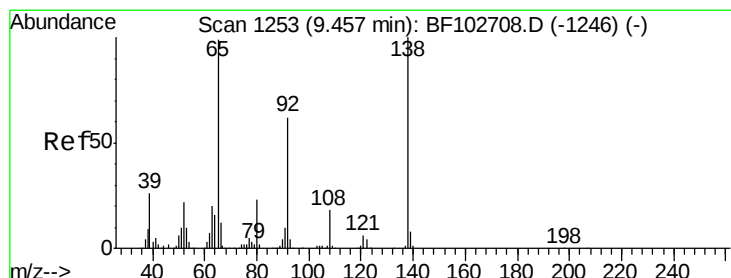
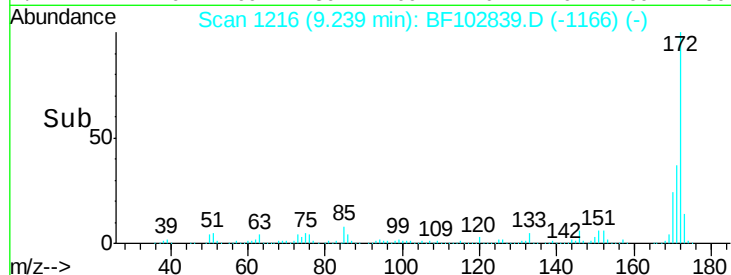
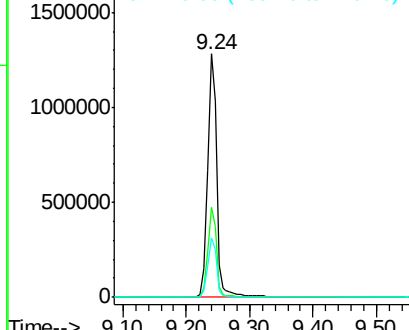
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1264779

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.2	19.6	29.4



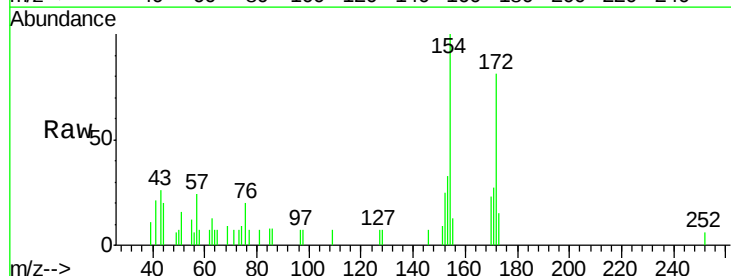
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



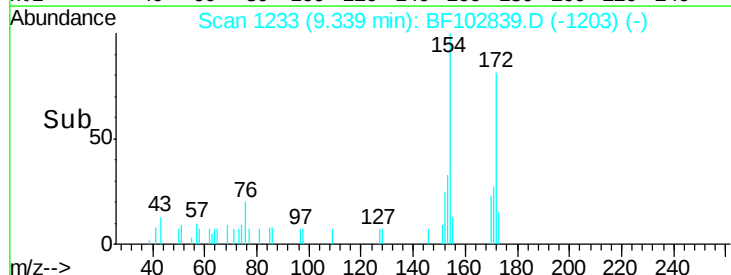
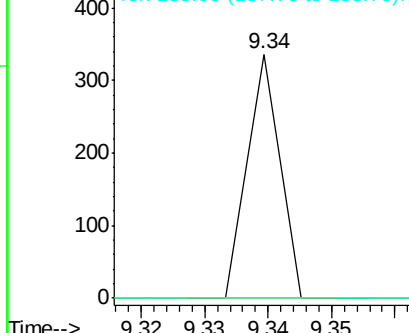
#47
 2-Nitroaniline
 Concen: 3.49 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.12 min
 Lab File: BF102839.D
 Acq: 8 Feb 2018 2:37

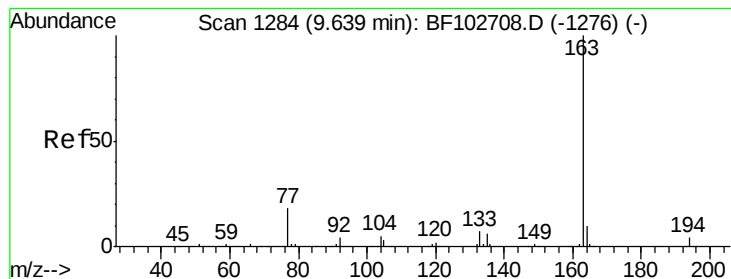
Tgt Ion: 65 Resp: 119

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: 3.56 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

Instrument :

BNA_F

ClientSampled :

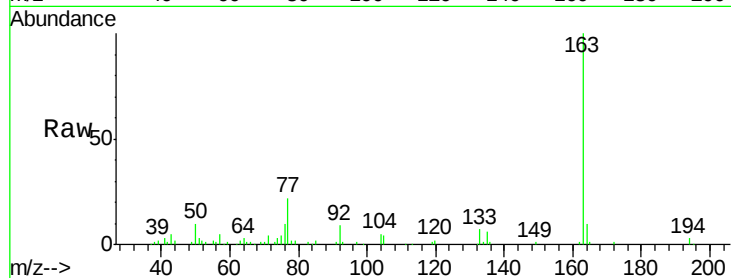
Tot Ion:163 Resp: 76786

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

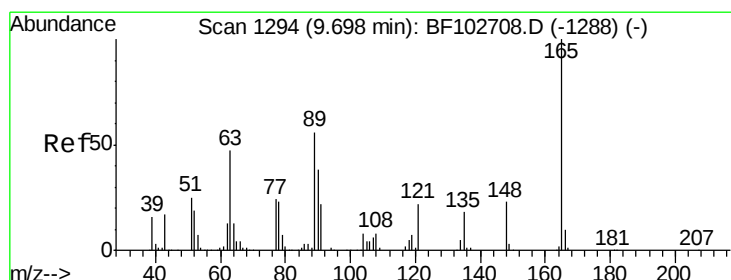
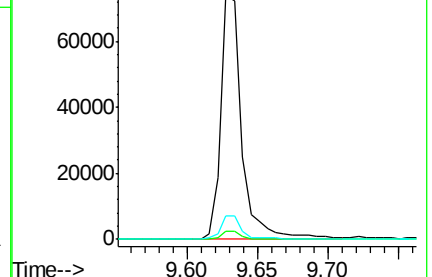
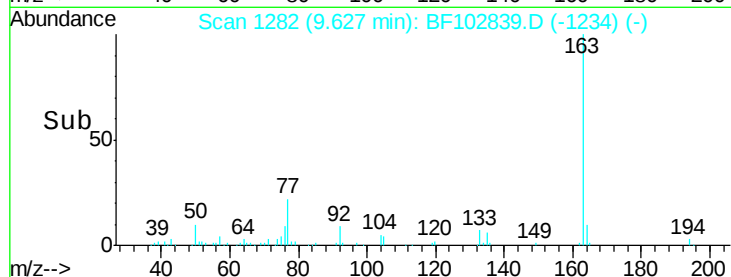
164 9.8 8.2 12.2



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: 8.84 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

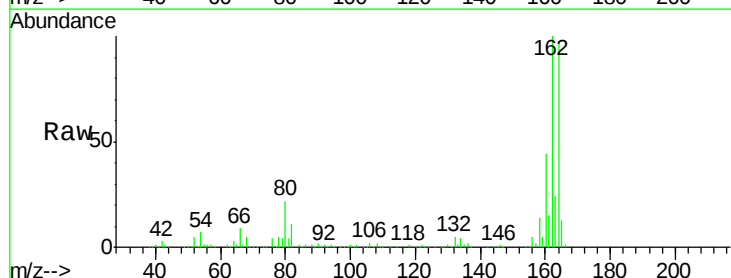
Tgt Ion:165 Resp: 36267

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

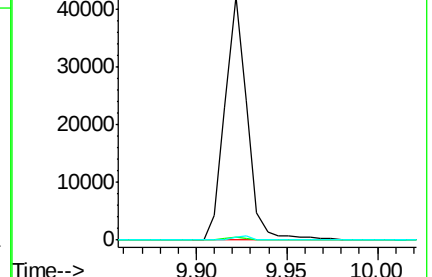
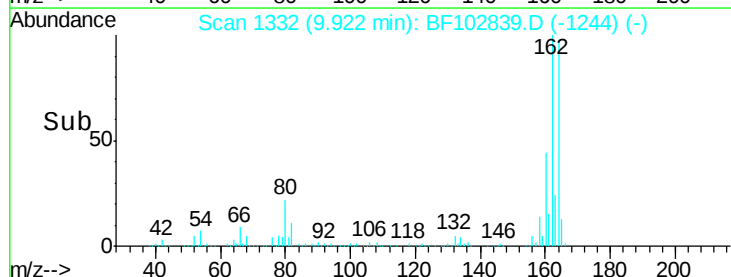
89 1.4 44.0 66.0#

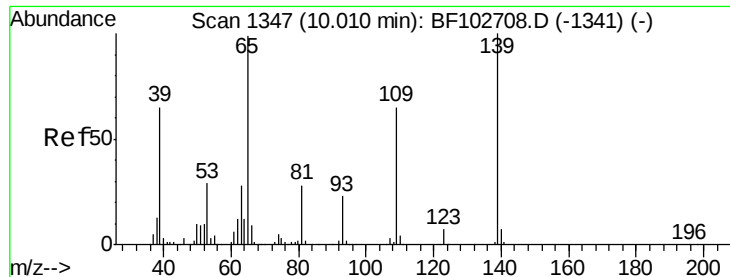


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

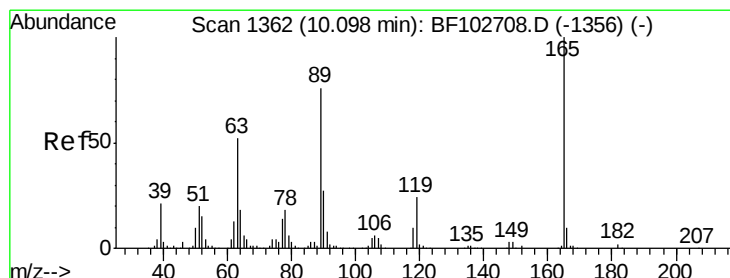
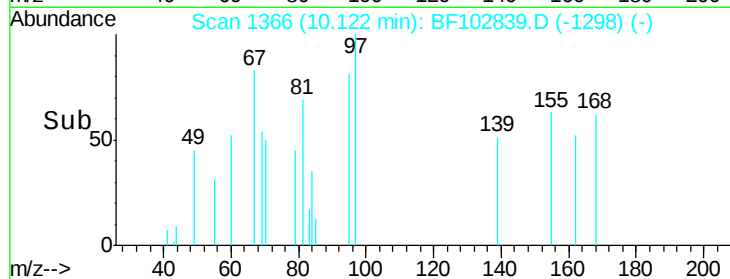
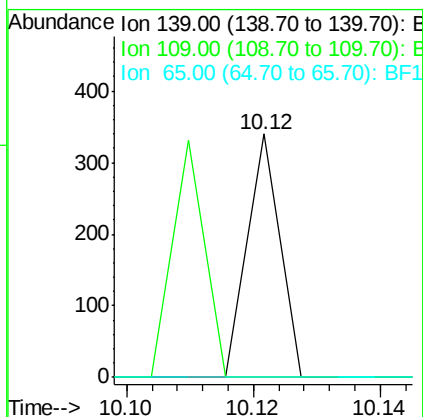
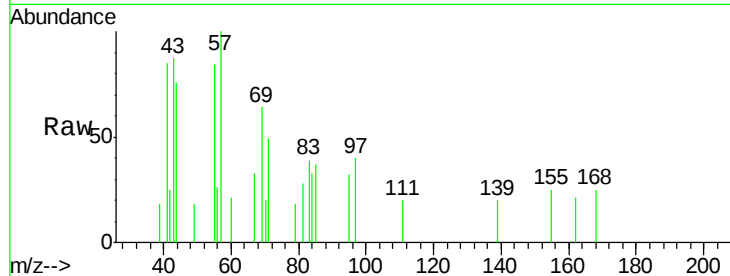




#55
4-Nitrophenol
Concen: 4.05 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

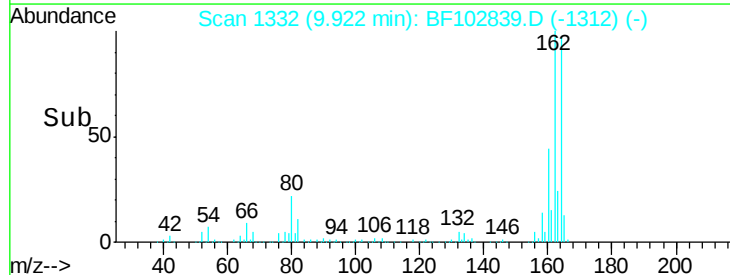
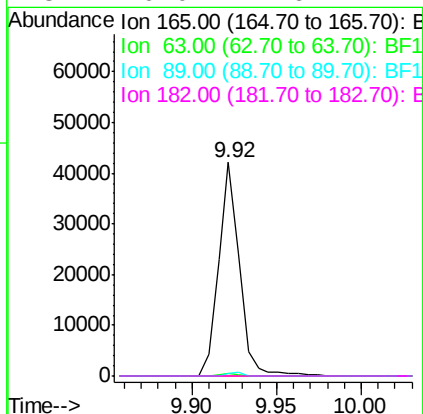
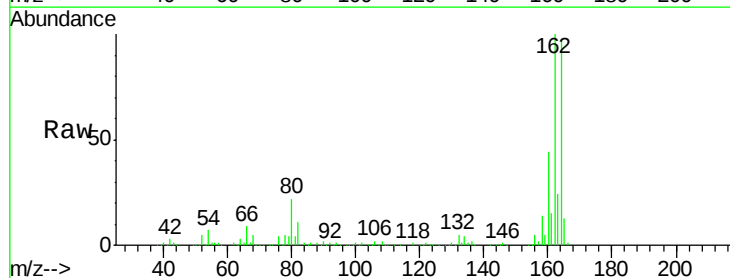
Instrument :
BNA_F
ClientSampled :

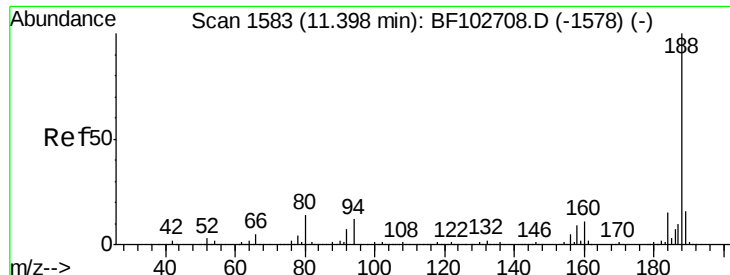
Tot Ion:139 Resp: 120
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.25 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

Tgt Ion:165 Resp: 36261
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.4 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: BF102839.D

Acq: 8 Feb 2018 2:37

Instrument :

BNA_F

ClientSampleId :

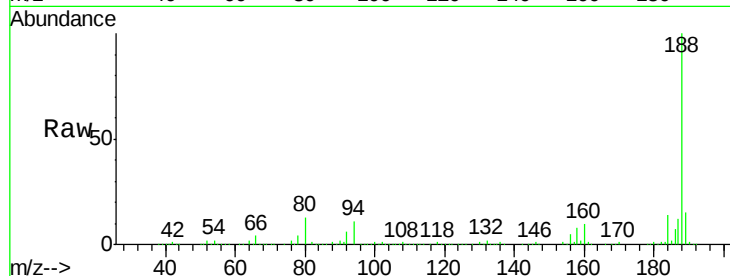
Tot Ion:188 Resp: 411228

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

80 12.6 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

600000

400000

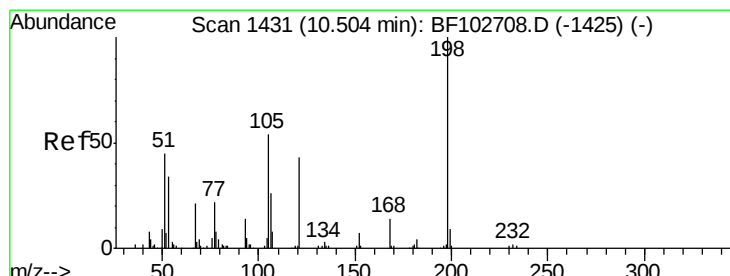
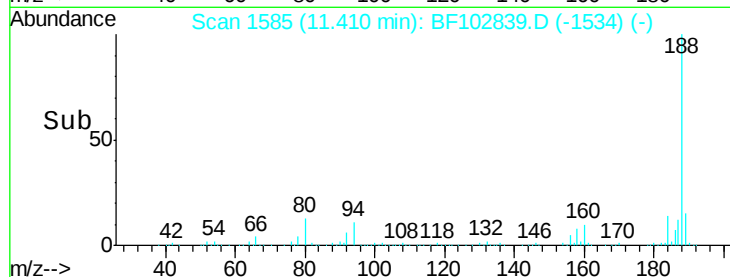
200000

0

11.41

11.40 11.50

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 9.00 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

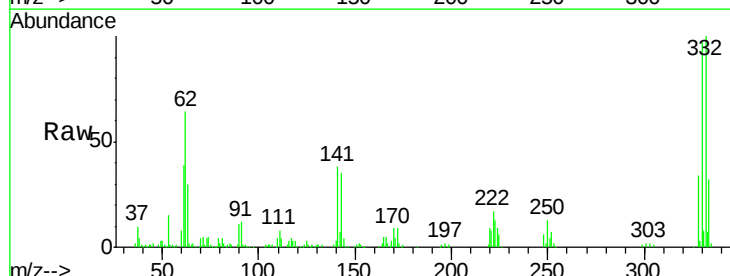
Tgt Ion:198 Resp: 379

Ion Ratio Lower Upper

198 100

51 386.0 37.7 77.7#

105 307.4 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

2000

1500

1000

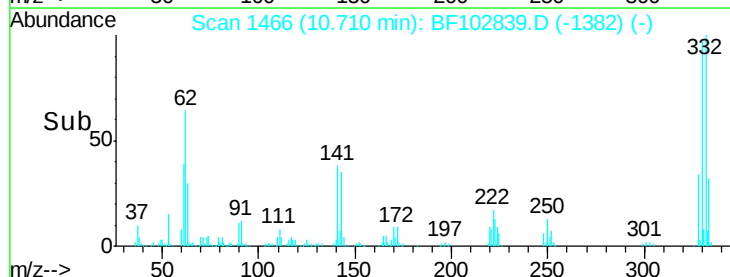
500

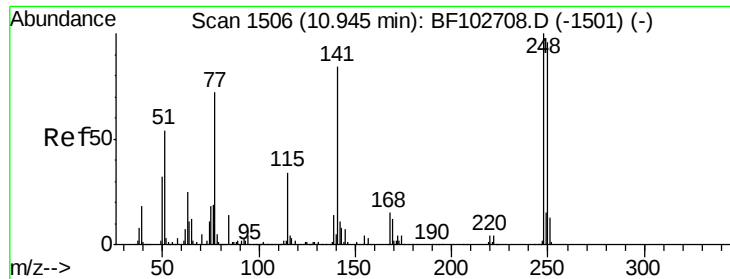
0

10.71

10.68 10.72

Time-->

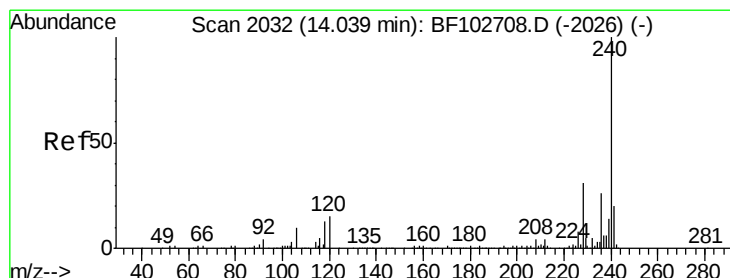
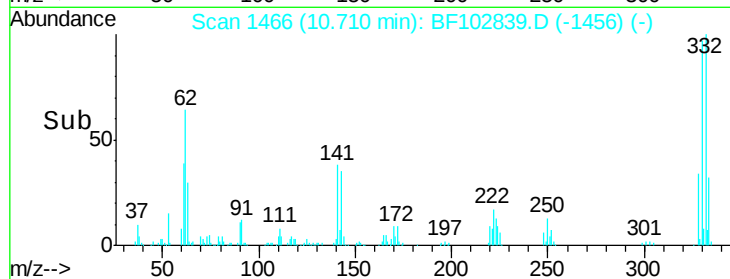
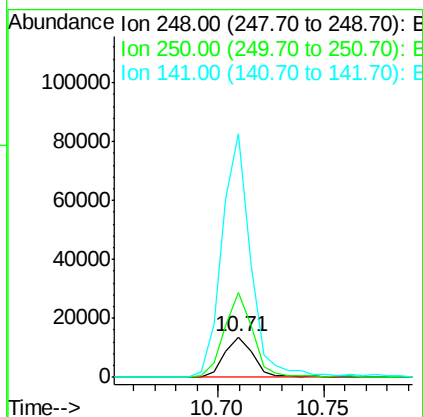
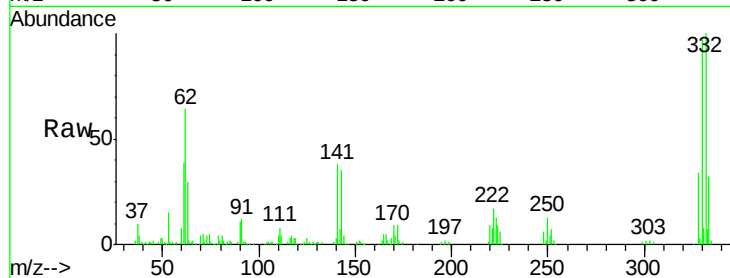




#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

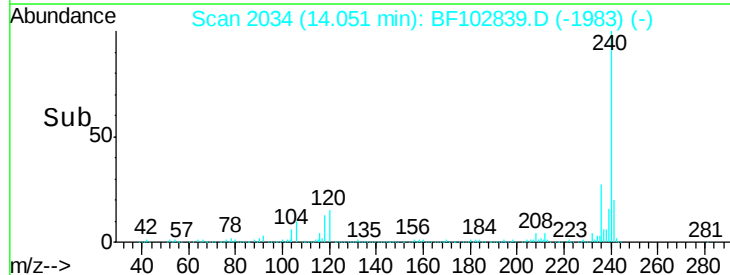
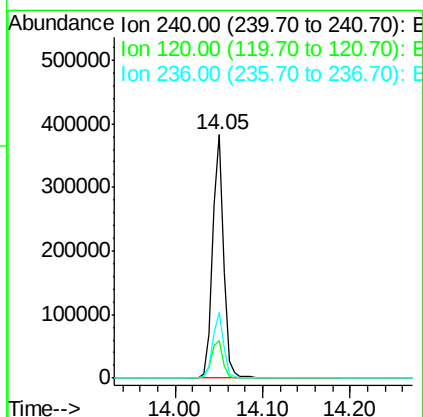
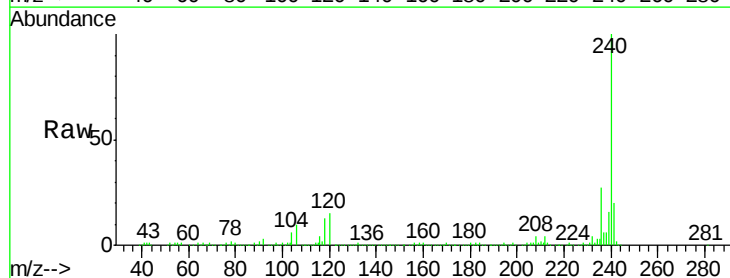
Instrument :
BNA_F
ClientSampleId :

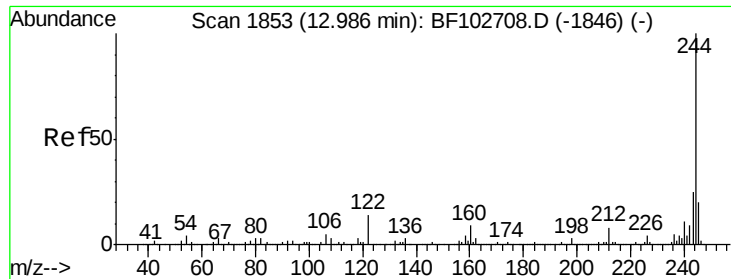
Tot Ion:248 Resp: 12997
Ion Ratio Lower Upper
248 100
250 211.0 76.9 115.3#
141 601.0 74.4 111.6#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF102839.D
Acq: 8 Feb 2018 2:37

Tgt Ion:240 Resp: 336825
Ion Ratio Lower Upper
240 100
120 15.4 9.5 14.3#
236 27.1 20.7 31.1





#78

Terphenyl-d14

Concen: 63.93 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

Instrument :

BNA_F

ClientSampleId :

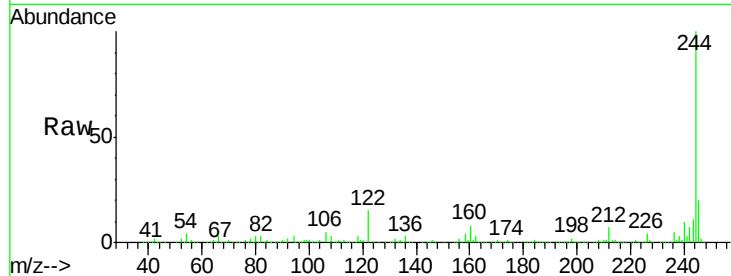
Tot Ion:244 Resp: 909375

Ion Ratio Lower Upper

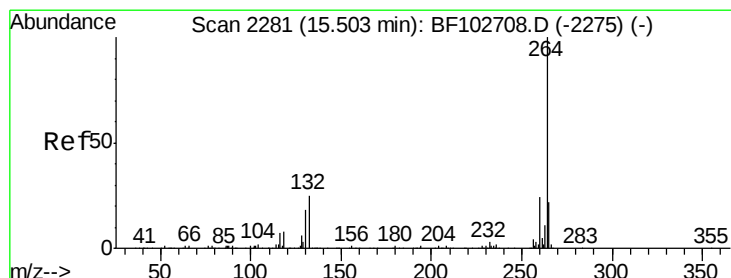
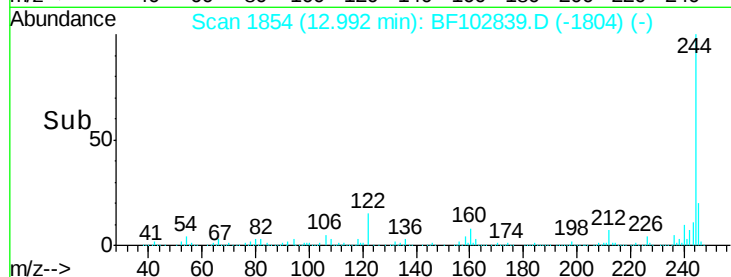
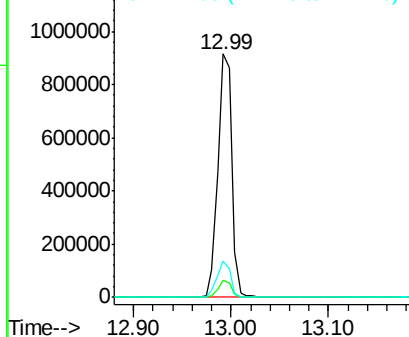
244 100

212 6.9 5.4 8.0

122 14.8 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: 20.00 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF102839.D

Acq: 8 Feb 2018 2:37

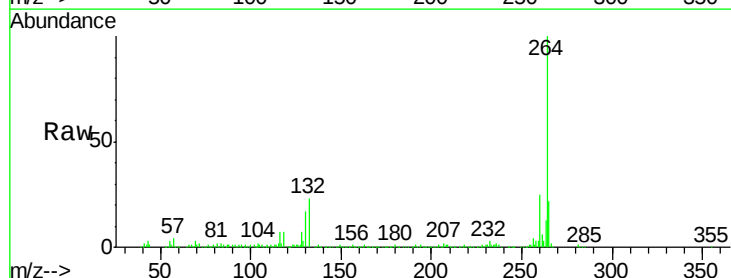
Tgt Ion:264 Resp: 262678

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 22.2 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

