

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102738.D
 Acq On : 5 Feb 2018 15:23
 Operator : SJ/JU
 Sample : J1437-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 16:59:21 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	6.88	152	210051	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	821628	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	255840	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	176757	20.00	ng	0.04
75) Chrysene-d12	14.04	240	343344	20.00	ng	0.00
86) Perylene-d12	15.52	264	300672	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1455279	105.22	ng	0.00
7) Phenol-d6	6.51	99	1720895	103.33	ng	0.00
23) Nitrobenzene-d5	7.45	82	1064235	89.85	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	182280	88.52	ng	0.02
44) 2-Fluorobiphenyl	9.24	172	1569118	101.77	ng	0.00
78) Terphenyl-d14	13.00	244	904758	62.39	ng	0.00

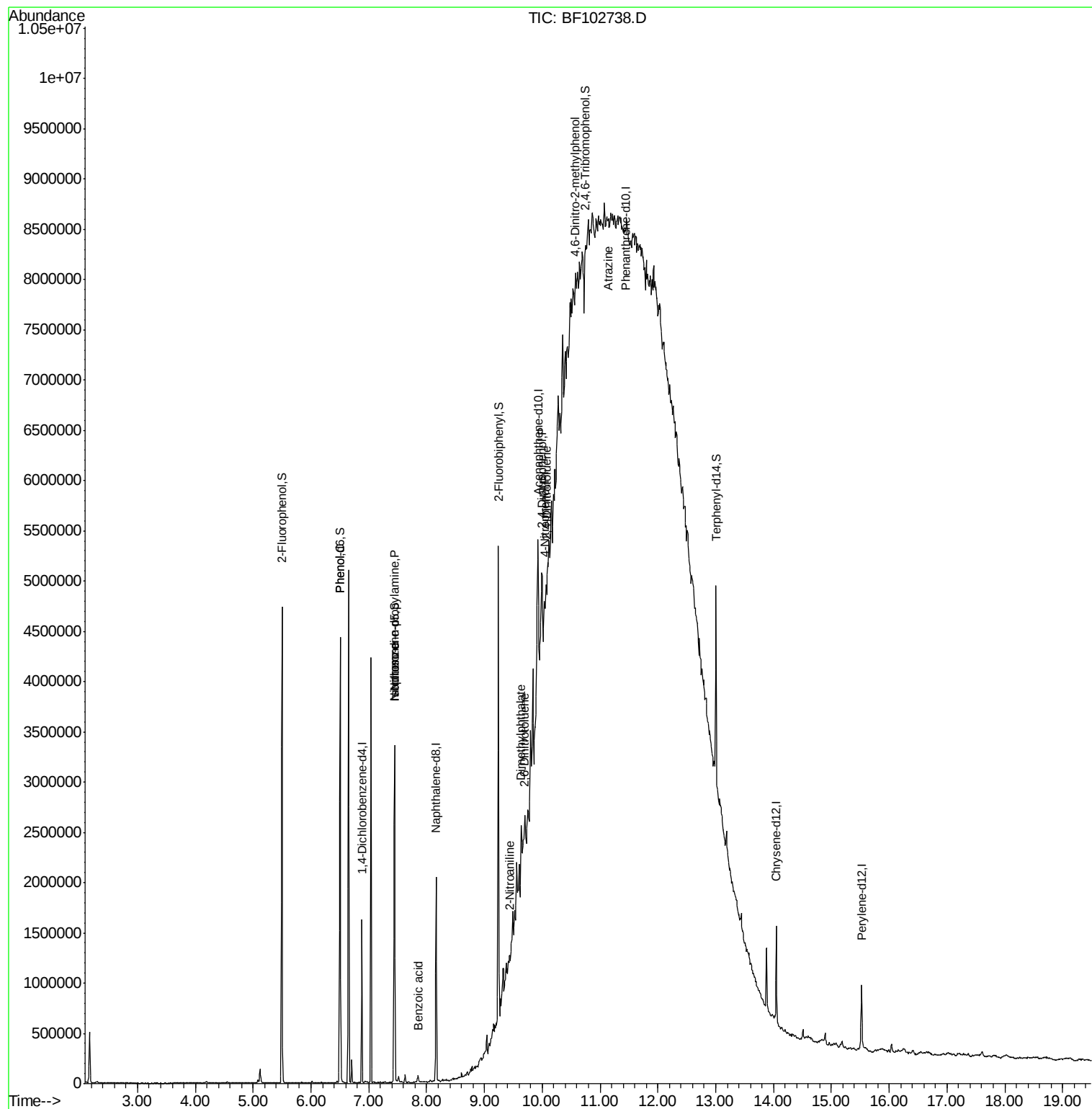
Target Compounds				Qvalue		
10) Phenol	6.52	94	45230	2.534	ng	79
19) n-Nitroso-di-n-propylamine	7.45	70	143627	13.080	ng	# 80
25) Isophorone	7.45	82	1064105	39.017	ng	# 64
32) Benzoic acid	7.85	122	18007	10.667	ng	90
47) 2-Nitroaniline	9.43	65	1331	3.708	ng	# 54
49) Dimethylphthalate	9.63	163	107147	5.371	ng	# 87
50) 2,6-Dinitrotoluene	9.69	165	11392	3.002	ng	# 37
53) 2,4-Dinitrophenol	10.00	184	122	8.101	ng	# 1
55) 4-Nitrophenol	10.05	139	9411	6.353	ng	# 1
56) 2,4-Dinitrotoluene	10.06	165	5899	4.160	ng	# 39
64) 4,6-Dinitro-2-methylphenol	10.56	198	2730	12.193	ng	# 1
68) Atrazine	11.14	200	10591	5.758	ng	# 1

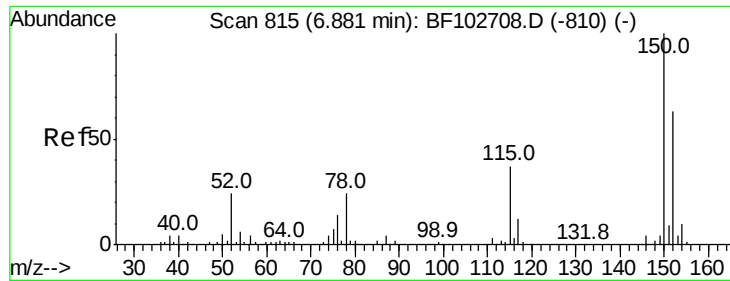
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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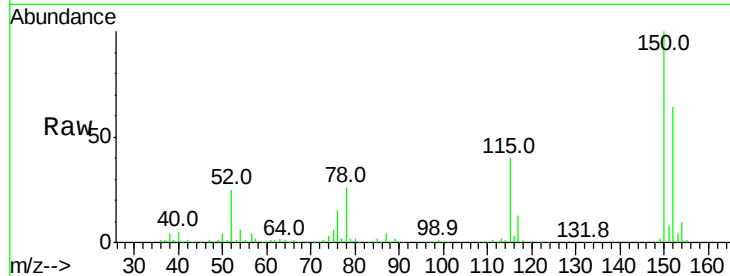


#1

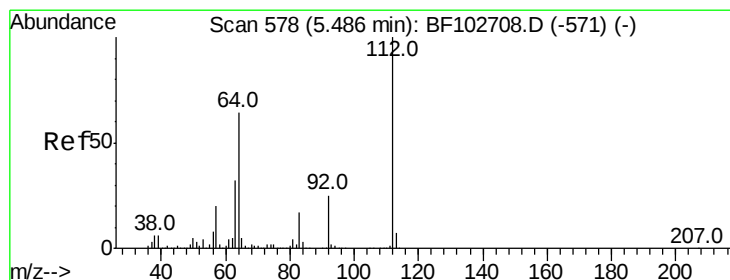
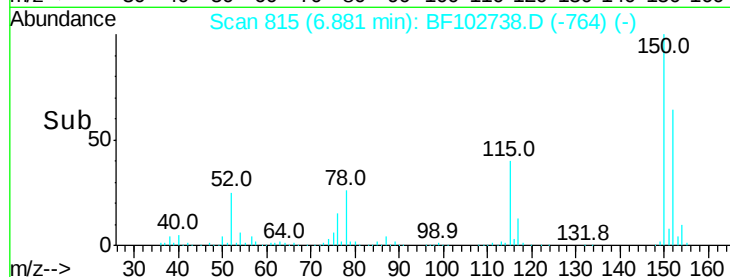
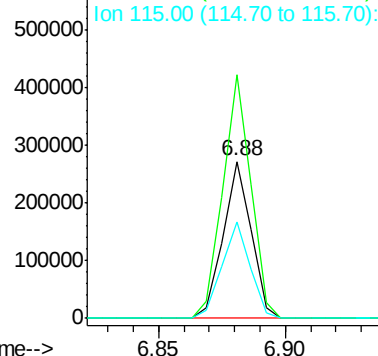
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 210051
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 61.7 50.1 75.1



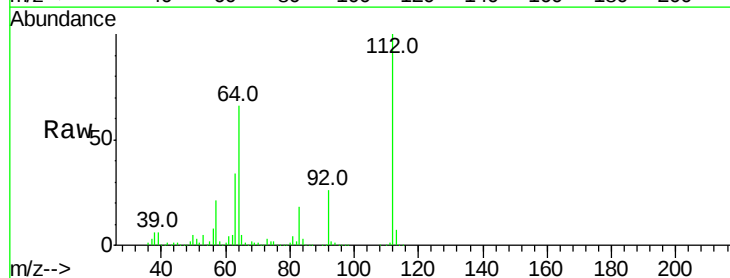
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



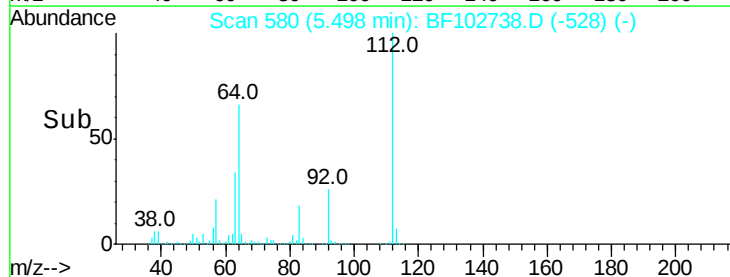
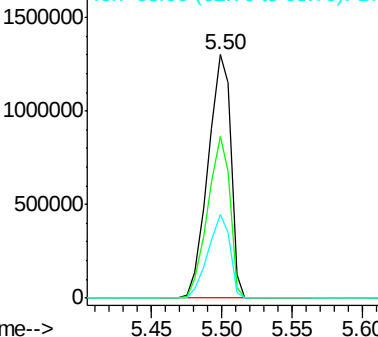
#5

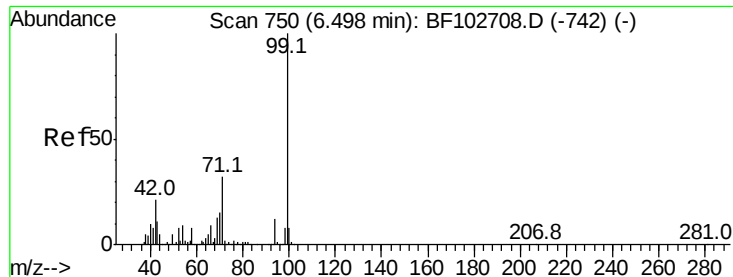
2-Fluorophenol
Concen: 105.217 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Tgt Ion:112 Resp: 1455279
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 34.3 23.7 35.5



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





#7

Phenol-d6

Concen: 103.333 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

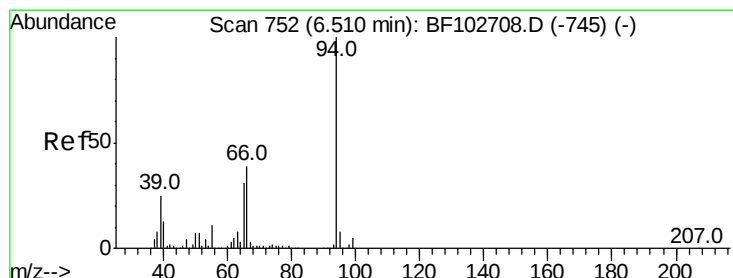
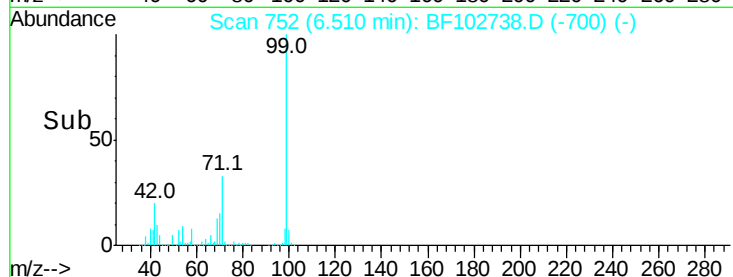
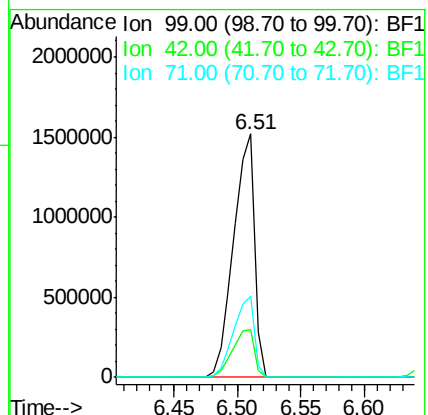
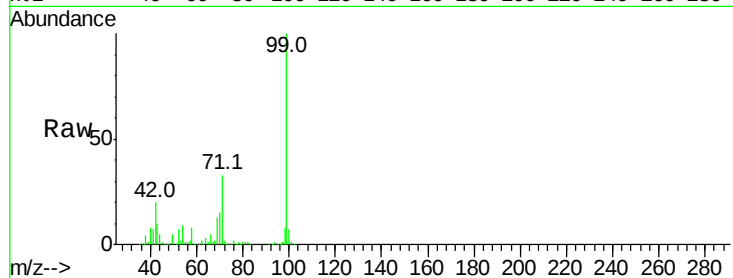
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1720895

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	33.1	25.4	38.0



#10

Phenol

Concen: 2.534 ng

RT: 6.52 min Scan# 753

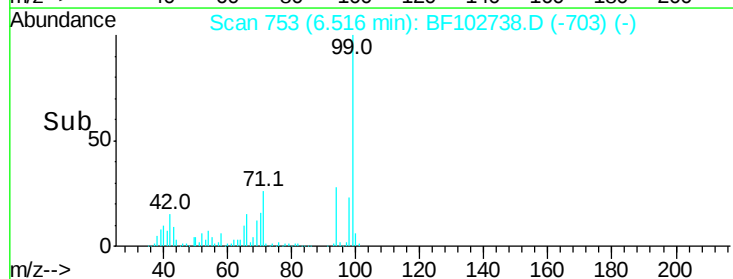
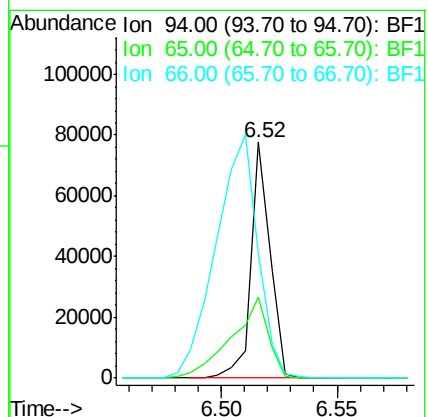
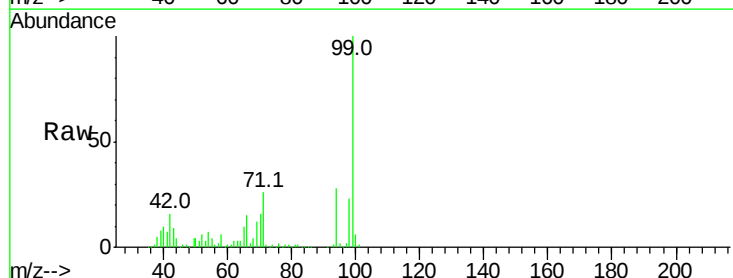
Delta R.T. -0.01 min

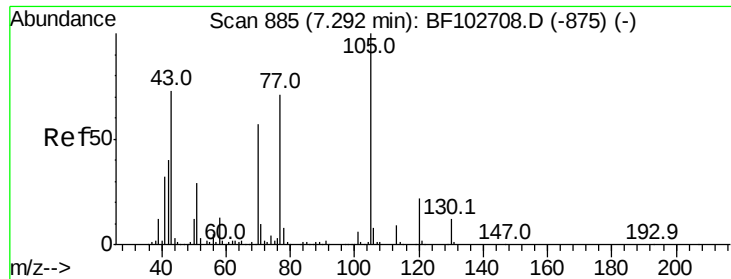
Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

Tgt Ion: 94 Resp: 45230

Ion	Ratio	Lower	Upper
94	100		
65	34.5	7.9	47.9
66	52.9	16.2	56.2

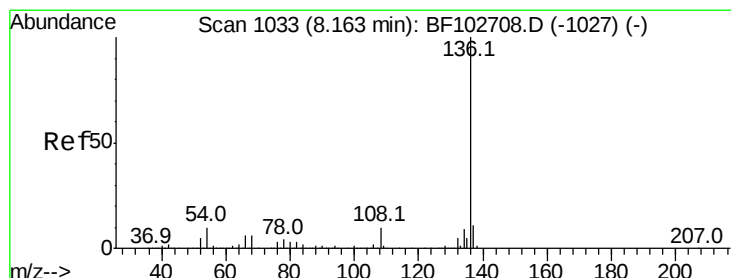
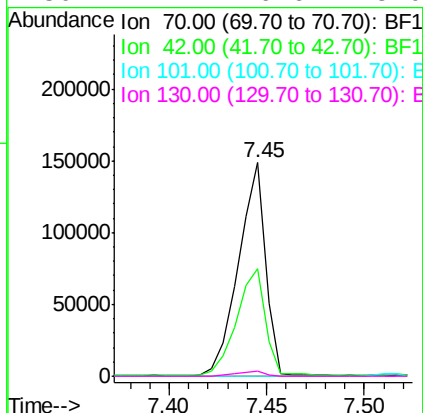
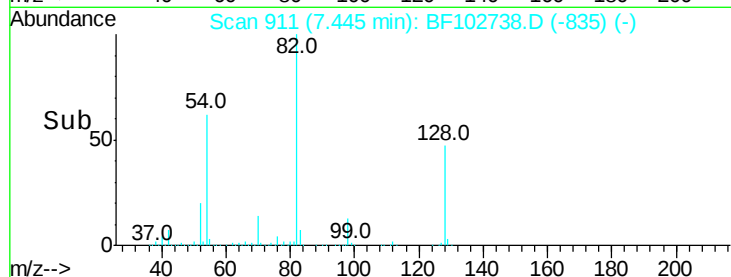
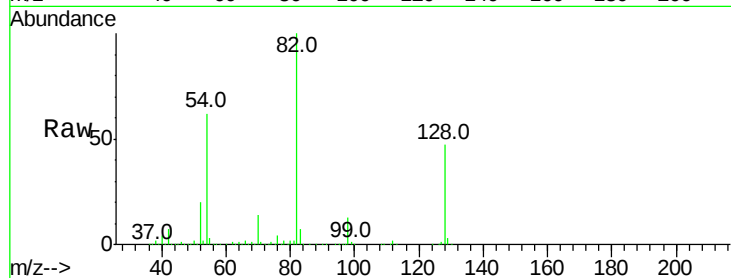




#19
n-Nitroso-di-n-propylamine
Concen: 13.080 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

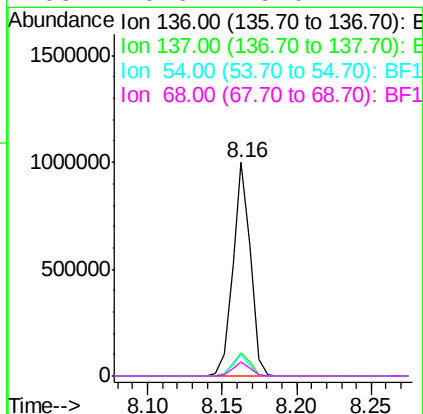
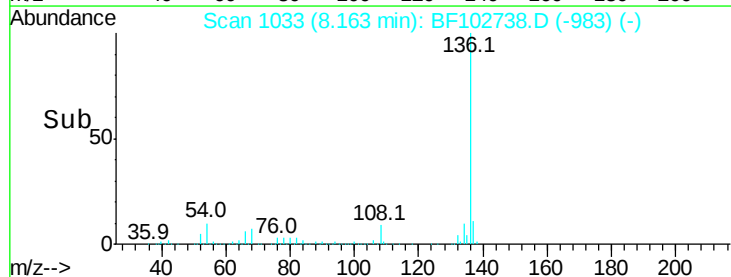
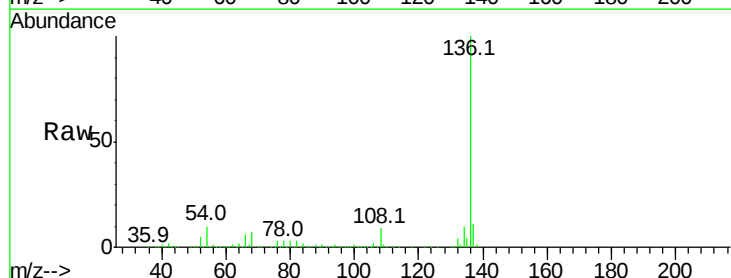
Instrument :
BNA_F
ClientSampleId :

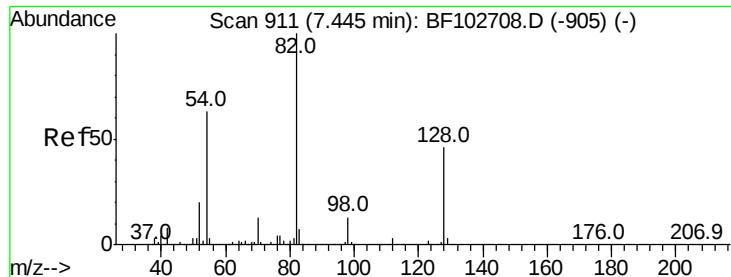
Tot Ion: 70 Resp: 143627
Ion Ratio Lower Upper
70 100
42 50.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Tgt Ion:136 Resp: 821628
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.1 6.6 9.8#
68 6.6 5.0 7.4

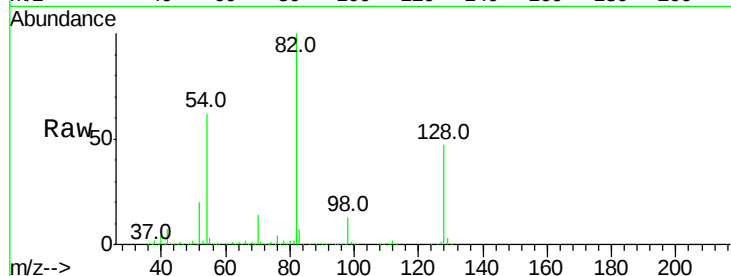




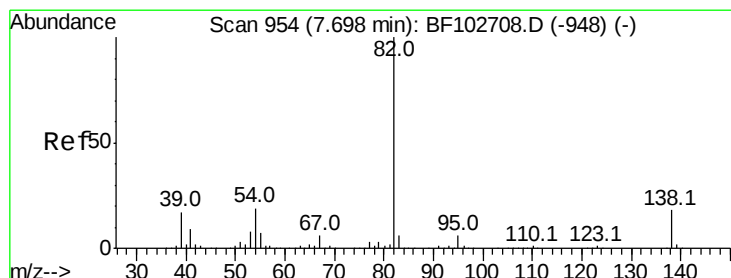
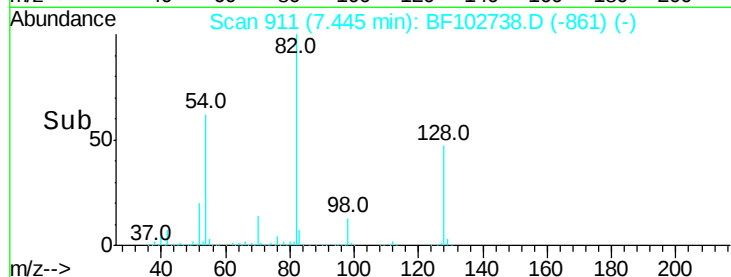
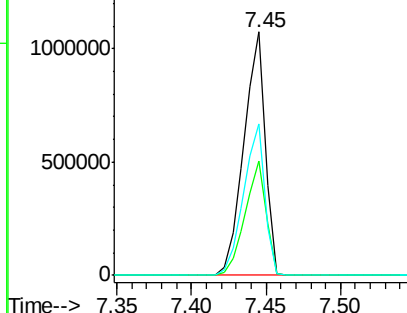
#23
Nitrobenzene-d5
Concen: 89.854 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1064235
Ion Ratio Lower Upper
82 100
128 47.2 36.1 54.1
54 62.1 41.4 62.2

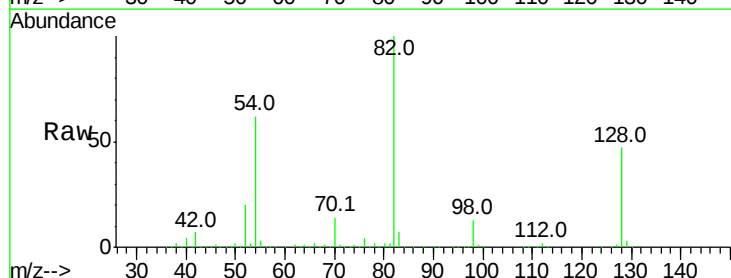


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

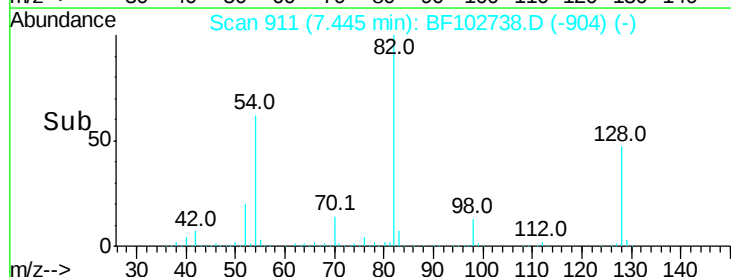
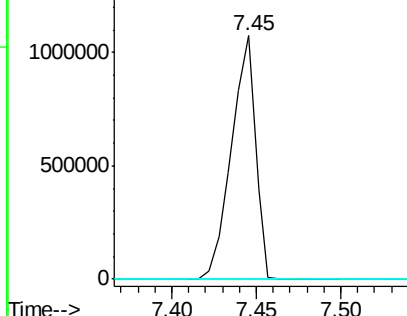


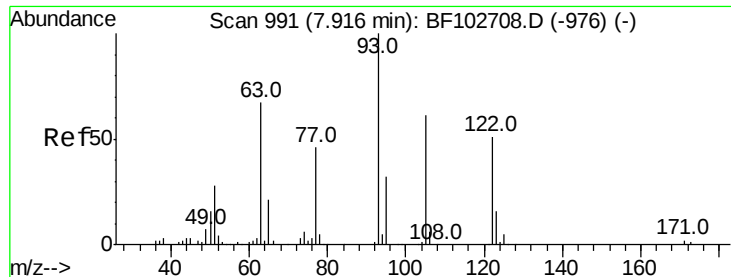
#25
Isophorone
Concen: 39.017 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Tgt Ion: 82 Resp: 1064105
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





#32

Benzoic acid

Concen: 10.667 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.08 min

Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

Instrument :

BNA_F

ClientSampleId :

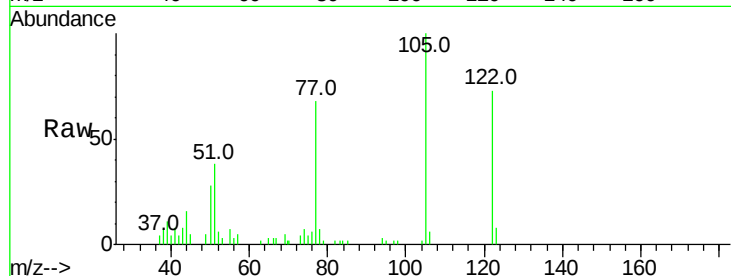
Tot Ion:122 Resp: 18007

Ion Ratio Lower Upper

122 100

105 137.6 101.1 141.1

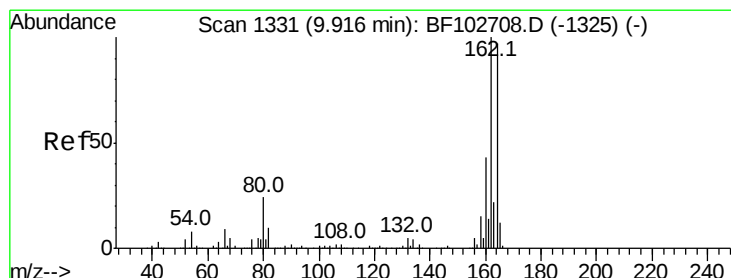
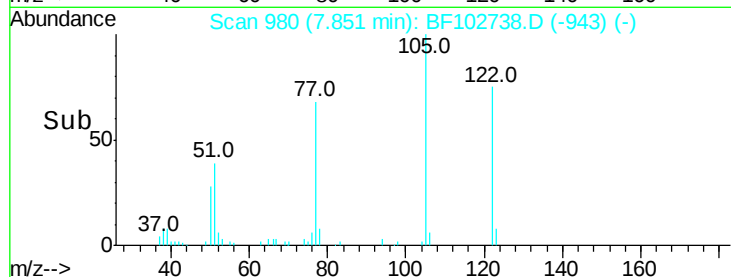
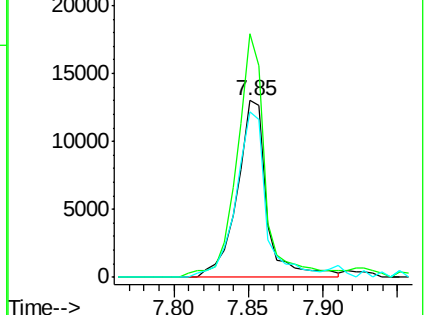
77 93.6 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

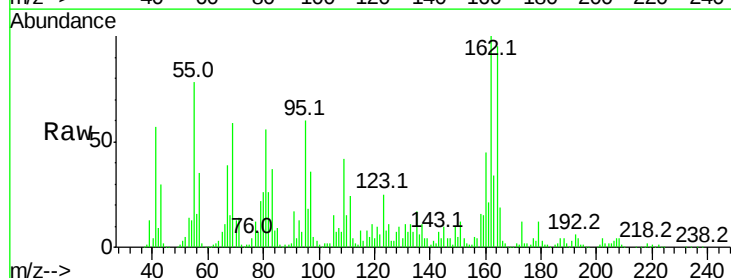
Tgt Ion:164 Resp: 255840

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

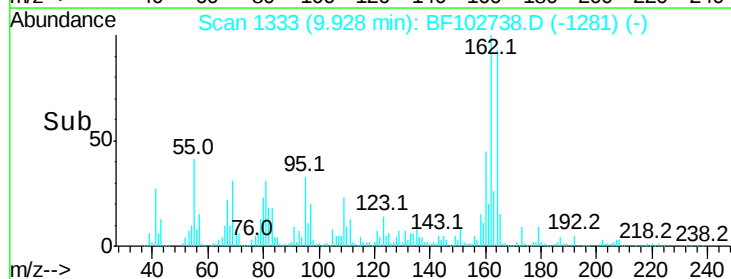
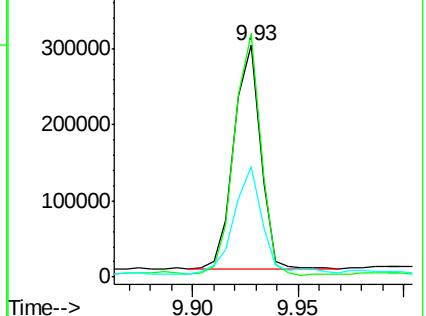
160 47.7 38.3 57.5

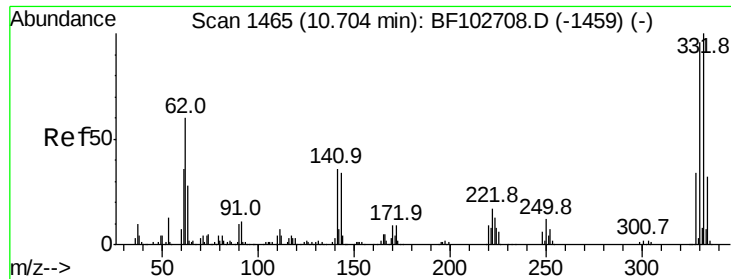


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

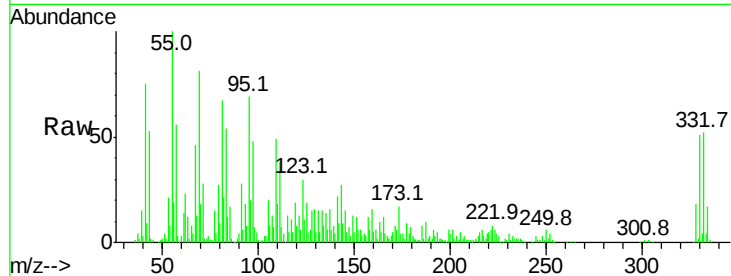




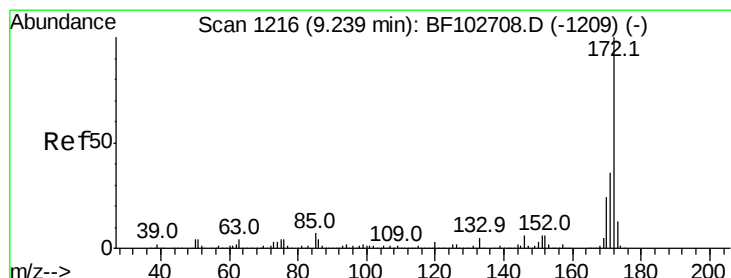
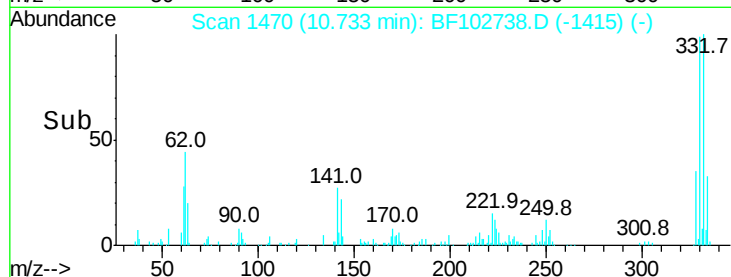
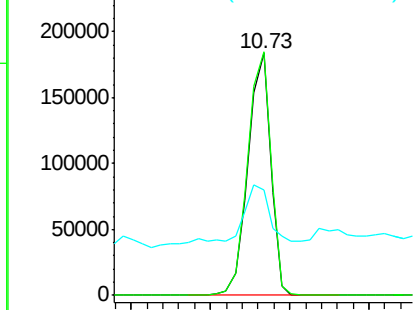
#41
 2,4,6-Tribromophenol
 Concen: 88.519 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.02 min
 Lab File: BF102738.D
 Acq: 5 Feb 2018 15:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 182280
 Ion Ratio Lower Upper
 330 100
 332 102.9 77.0 115.6
 141 23.9 29.9 44.9#

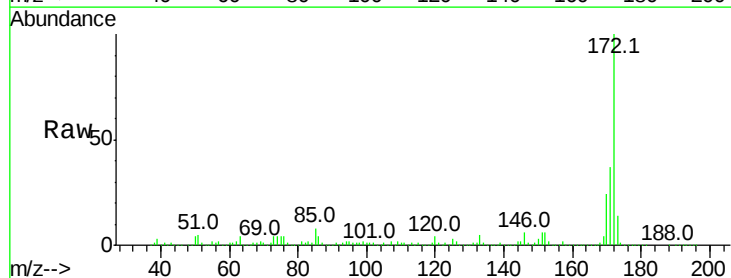


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

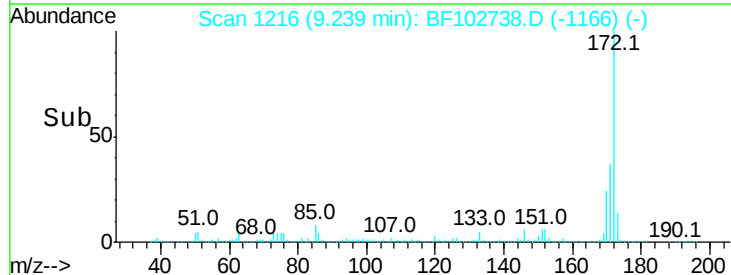
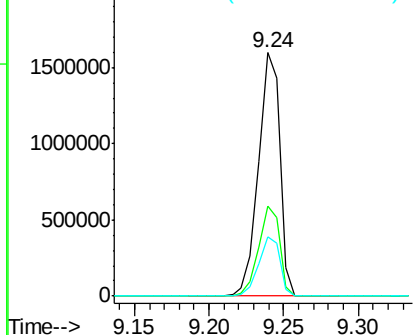


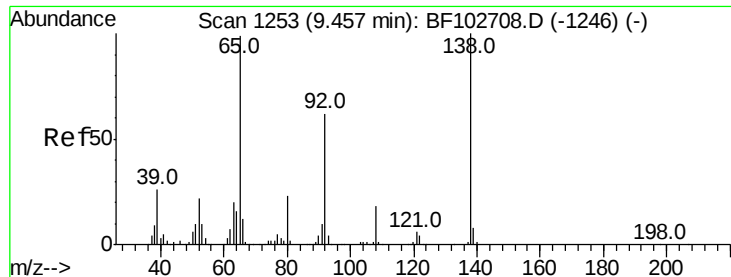
#44
 2-Fluorobiphenyl
 Concen: 101.772 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102738.D
 Acq: 5 Feb 2018 15:23

Tgt Ion:172 Resp: 1569118
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.5 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: 3.708 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.03 min

Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

Instrument :

BNA_F

ClientSampled :

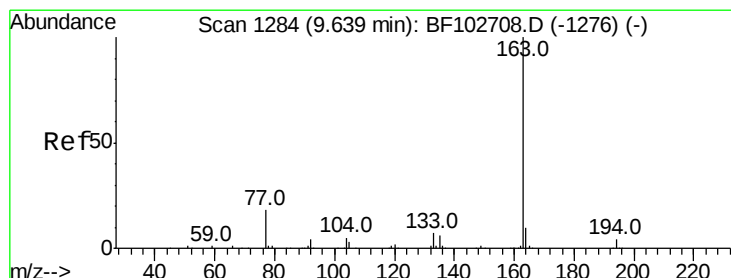
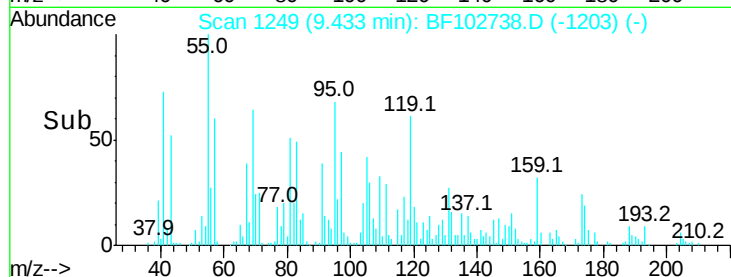
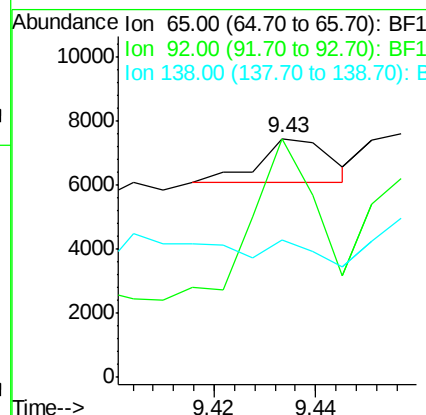
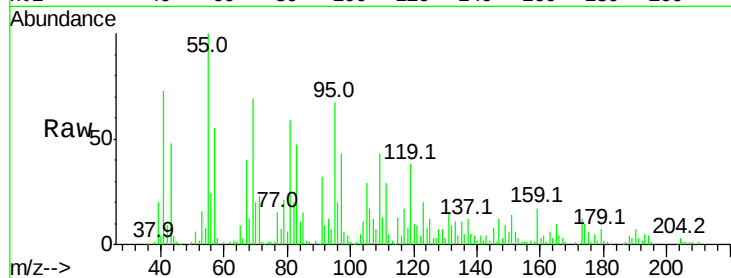
Tot Ion: 65 Resp: 1331

Ion Ratio Lower Upper

65 100

92 99.9 55.8 83.6#

138 57.6 91.2 136.8#



#49

Dimethylphthalate

Concen: 5.371 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

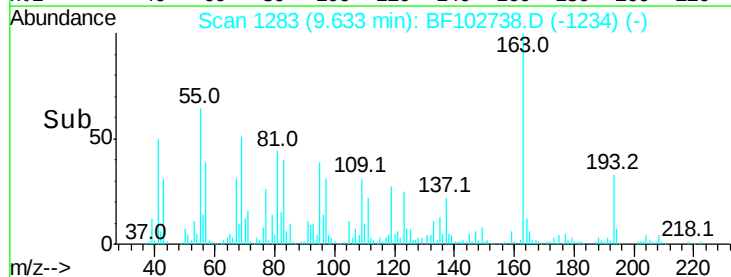
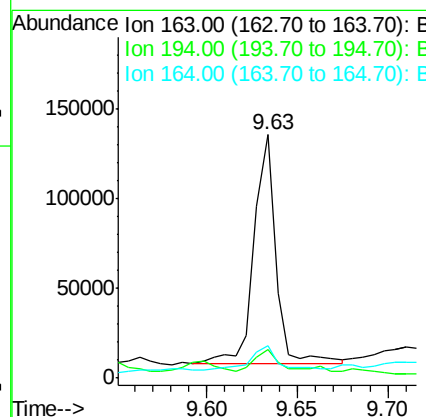
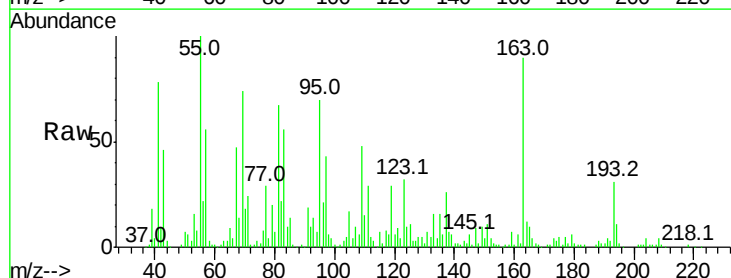
Tgt Ion: 163 Resp: 107147

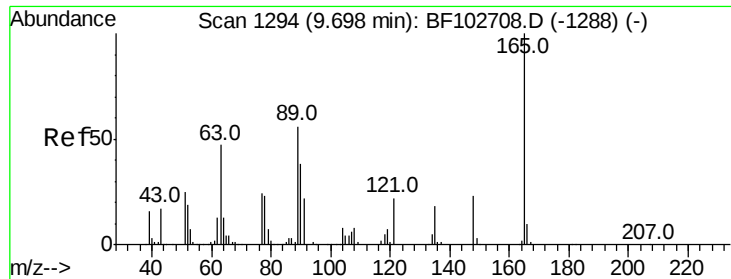
Ion Ratio Lower Upper

163 100

194 11.7 2.7 4.1#

164 13.3 8.2 12.2#

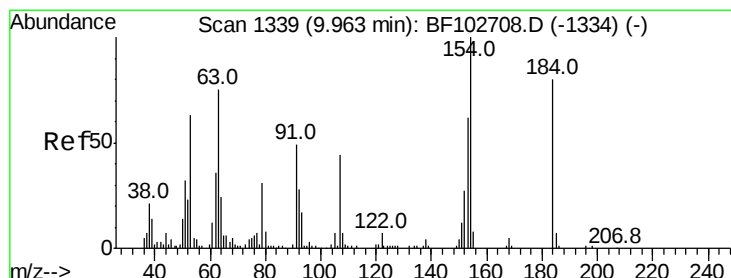
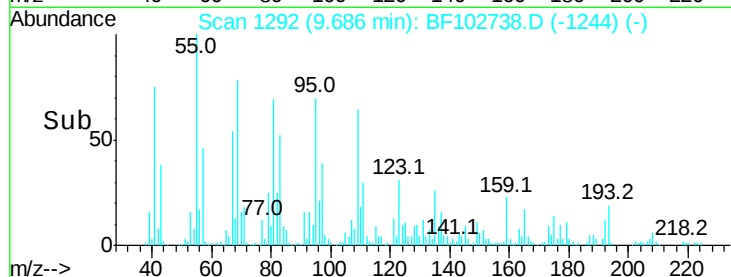
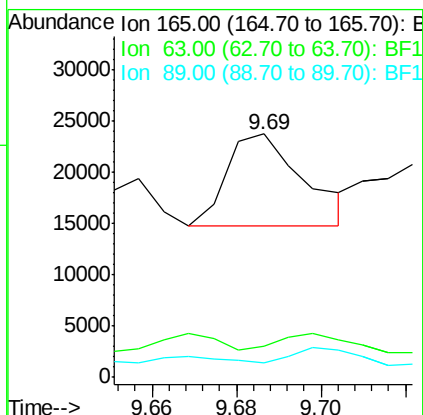
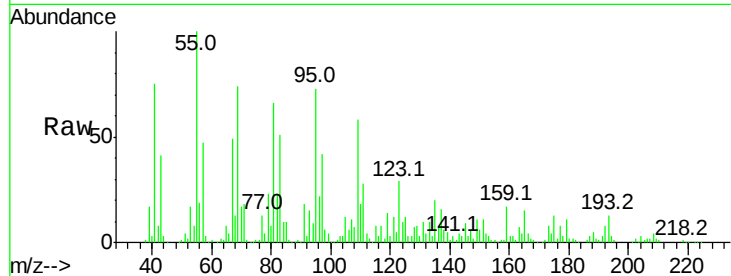




#50
 2,6-Dinitrotoluene
 Concen: 3.002 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF102738.D
 Acq: 5 Feb 2018 15:23

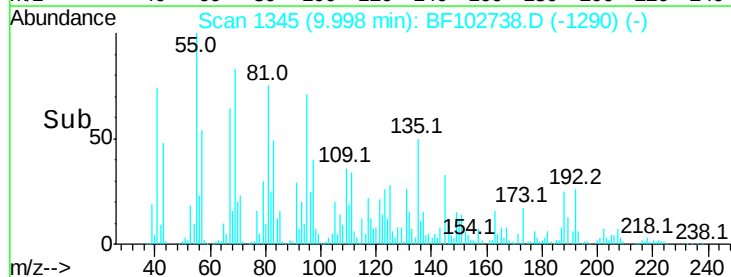
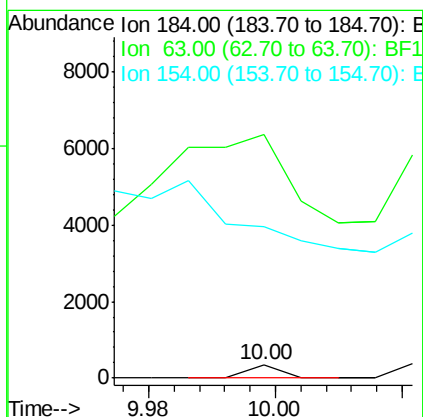
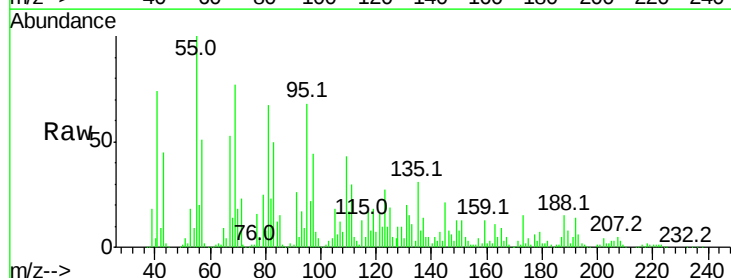
Instrument :
 BNA_F
 ClientSampleId :

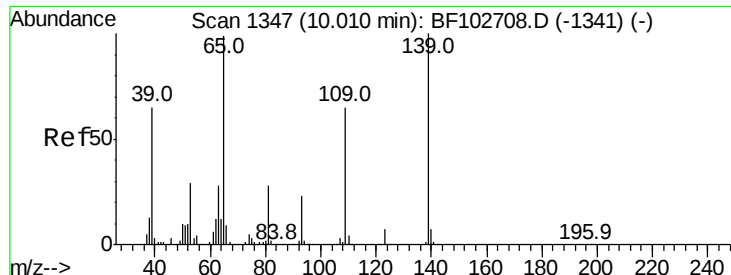
Tot Ion:165 Resp: 11392
 Ion Ratio Lower Upper
 165 100
 63 12.7 44.7 67.1#
 89 6.1 44.0 66.0#



#53
 2,4-Dinitrophenol
 Concen: 8.101 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.02 min
 Lab File: BF102738.D
 Acq: 5 Feb 2018 15:23

Tgt Ion:184 Resp: 122
 Ion Ratio Lower Upper
 184 100
 63 1844.9 54.2 81.2#
 154 1146.4 184.0 276.0#

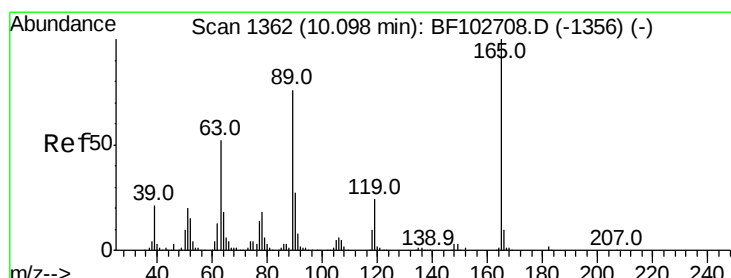
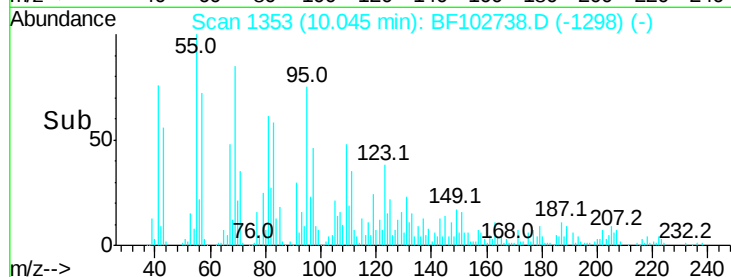
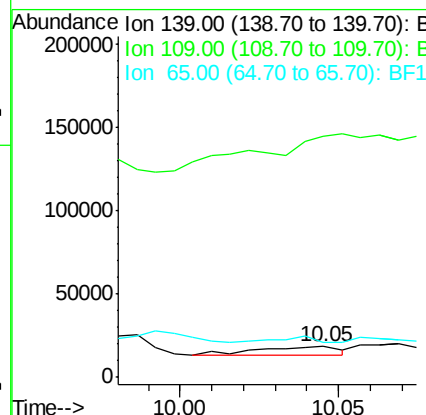
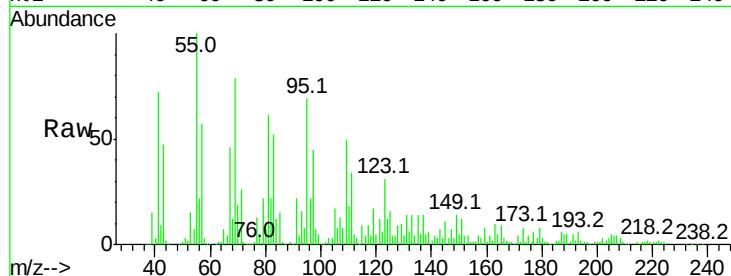




#55
4-Nitrophenol
Concen: 6.353 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.02 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

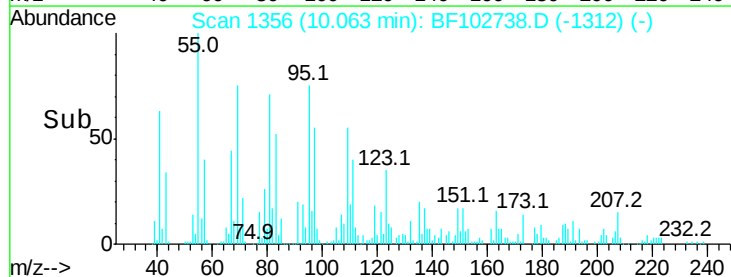
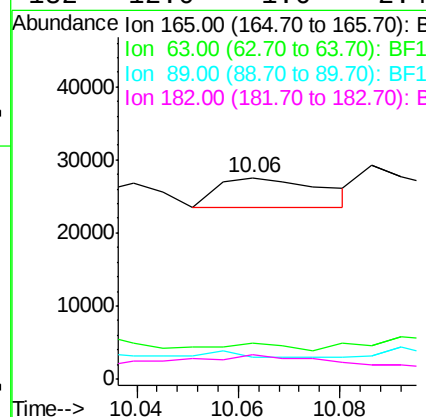
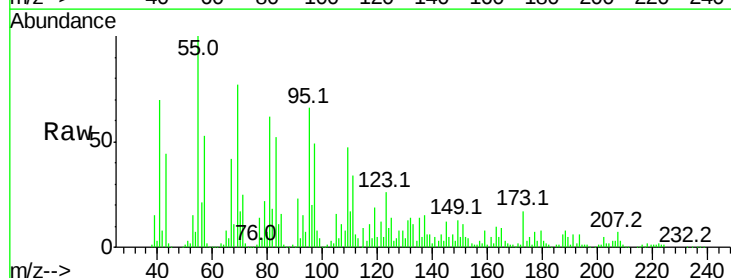
Instrument :
BNA_F
ClientSampleId :

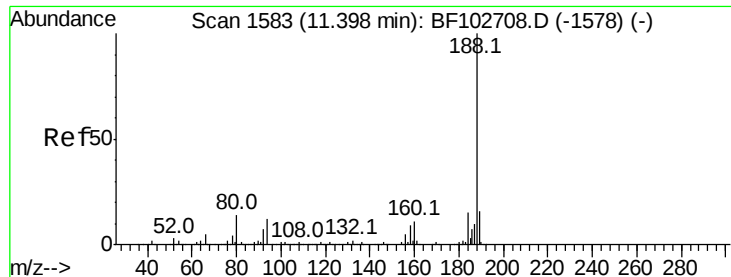
Tot Ion:139 Resp: 9411
Ion Ratio Lower Upper
139 100
109 778.3 48.4 88.4#
65 111.8 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 4.160 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.04 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Tgt Ion:165 Resp: 5899
Ion Ratio Lower Upper
165 100
63 17.8 36.4 54.6#
89 11.1 57.8 86.6#
182 12.0 1.6 2.4#

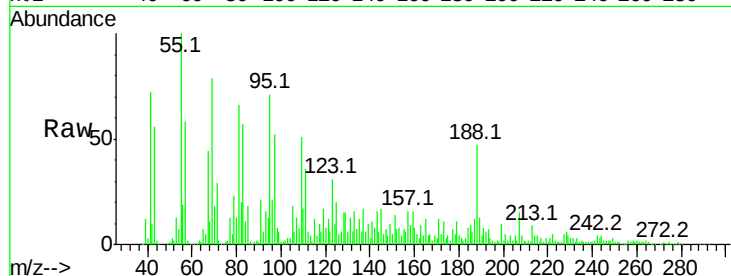




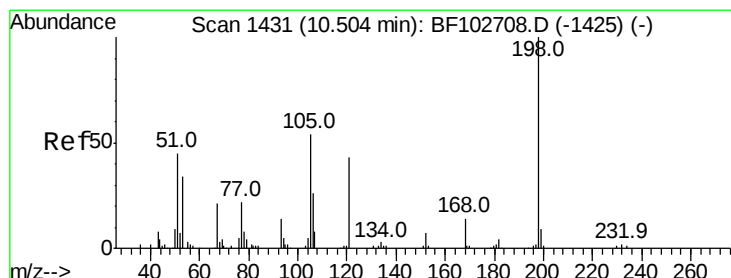
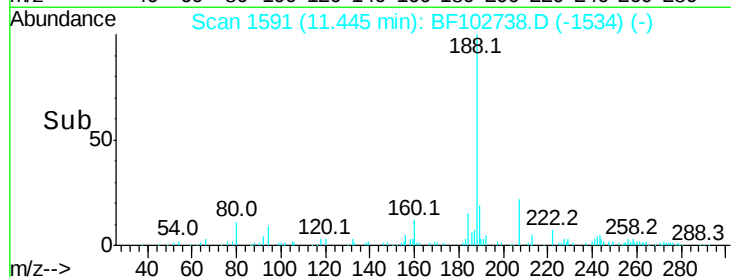
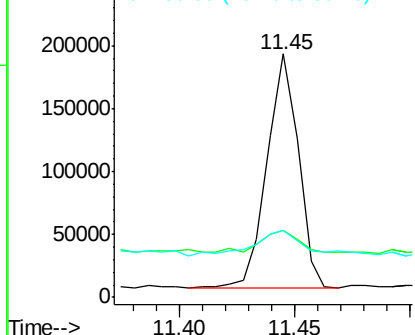
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.04 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 176757
Ion Ratio Lower Upper
188 100
94 27.5 8.5 12.7#
80 27.8 9.2 13.8#

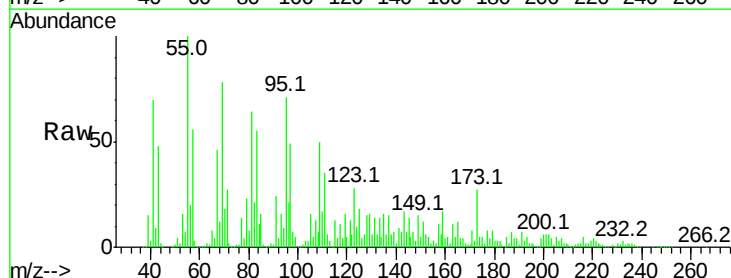


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

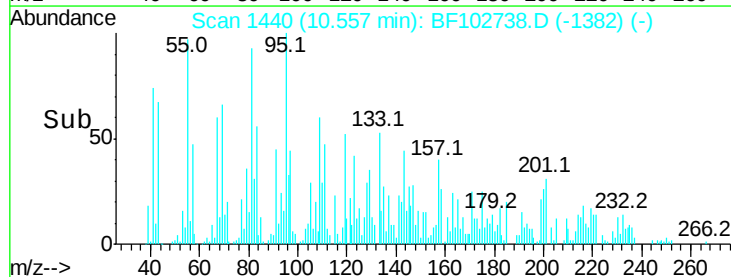
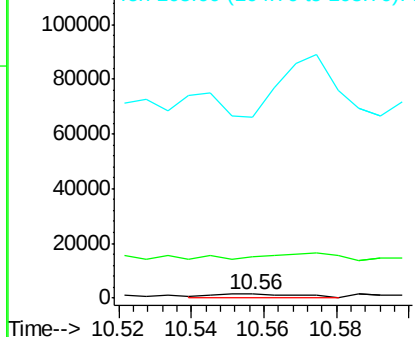


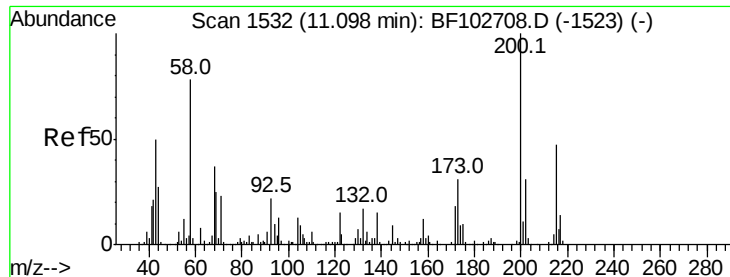
#64
4,6-Dinitro-2-methylphenol
Concen: 12.193 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.04 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Tgt Ion:198 Resp: 2730
Ion Ratio Lower Upper
198 100
51 1031.6 37.7 77.7#
105 4538.5 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

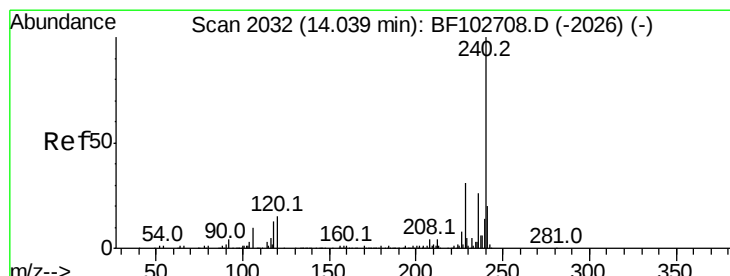
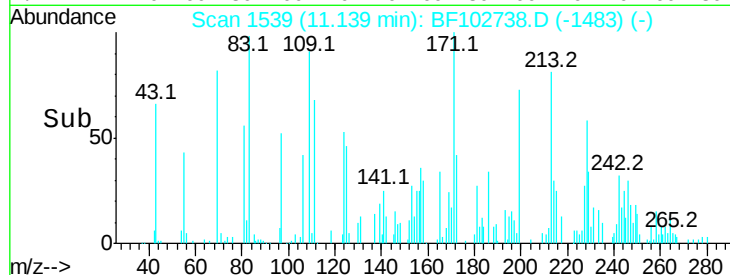
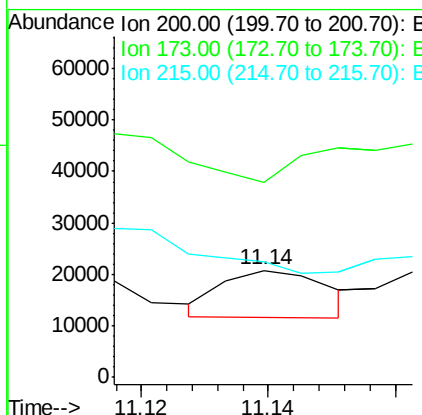
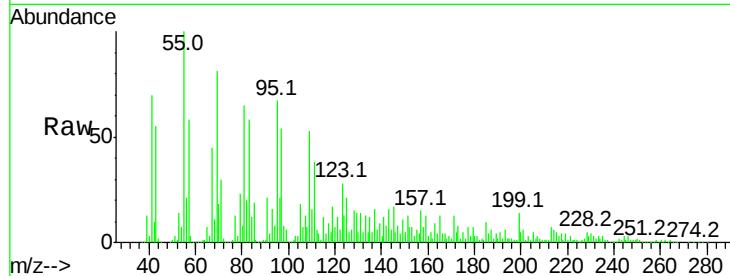




#68
Atrazine
Concen: 5.758 ng
RT: 11.14 min Scan# 1539
Delta R.T. 0.03 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

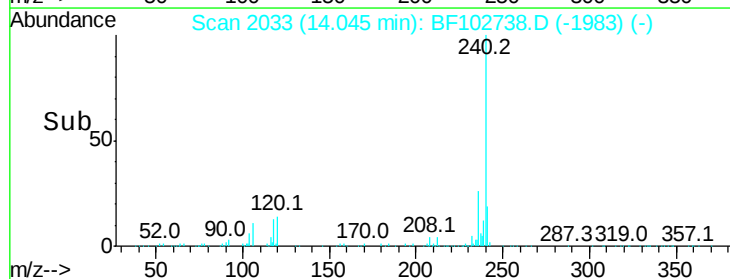
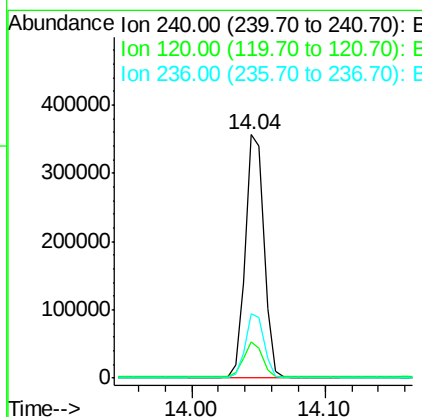
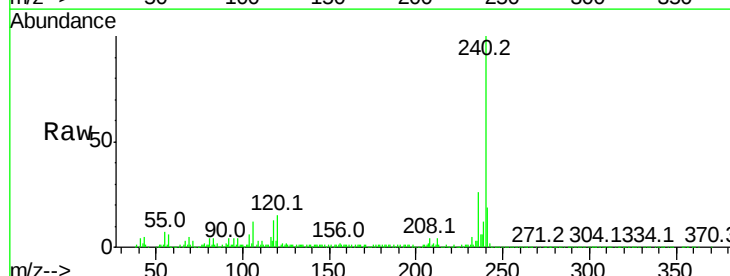
Instrument :
BNA_F
ClientSampled :

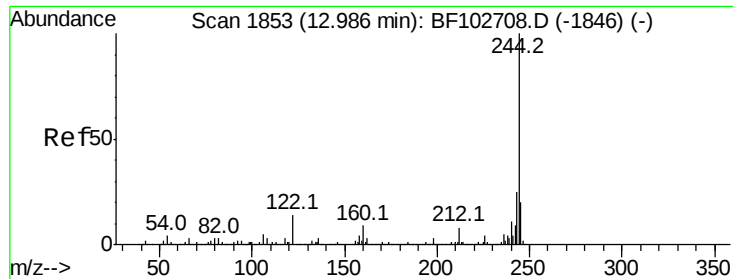
Tot Ion:200 Resp: 10591
Ion Ratio Lower Upper
200 100
173 182.2 8.6 48.6#
215 107.7 25.1 65.1#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102738.D
Acq: 5 Feb 2018 15:23

Tgt Ion:240 Resp: 343344
Ion Ratio Lower Upper
240 100
120 15.0 9.5 14.3#
236 26.2 20.7 31.1





#78

Terphenyl-d14

Concen: 62.394 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

Instrument :

BNA_F

ClientSampled :

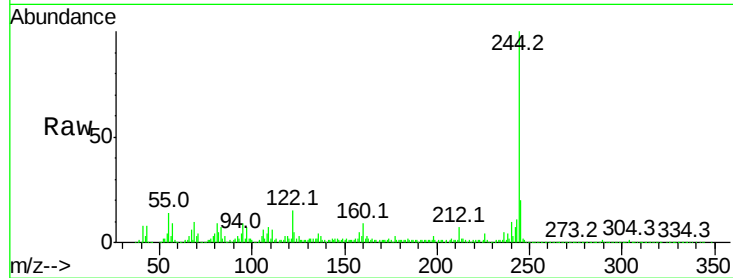
Tot Ion:244 Resp: 904758

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 15.2 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

1200000

1000000

800000

600000

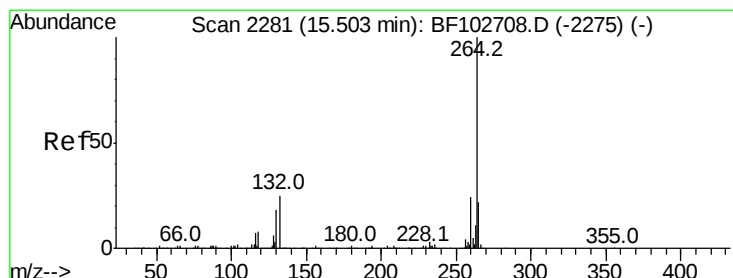
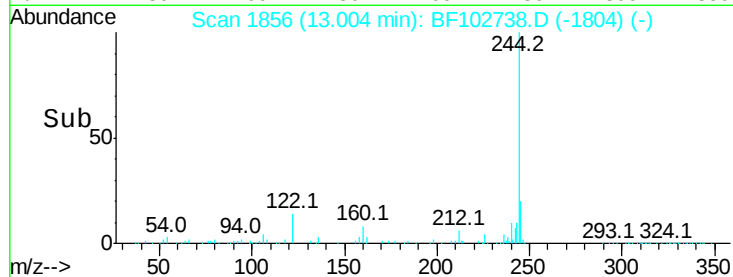
400000

200000

0

13.00

Time--> 12.90 13.00 13.10



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102738.D

Acq: 5 Feb 2018 15:23

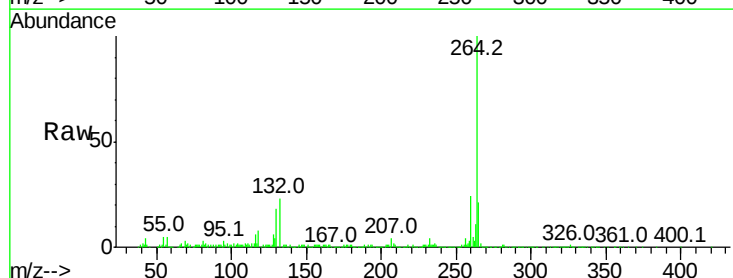
Tgt Ion:264 Resp: 300672

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.0 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

300000

250000

200000

150000

100000

50000

0

15.52

Time--> 15.40 15.50 15.60

