

Data Path : U:\HPCHEM1\BNA F\DATA\BF012718\
 Data File : BF102538.D
 Acq On : 28 Jan 2018 3:53
 Operator : SJ/JU
 Sample : J1307-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 28 23:53:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	196105	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	739953	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	300621	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	434866	20.00	ng	0.00
75) Chrysene-d12	13.87	240	317612	20.00	ng	0.00
86) Perylene-d12	15.30	264	251611	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1334015	103.14	ng	0.01
7) Phenol-d6	6.36	99	1676370	107.51	ng	0.00
23) Nitrobenzene-d5	7.29	82	1012415	78.63	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	236207	79.30	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1485904	72.68	ng	0.00
78) Terphenyl-d14	12.82	244	1002273	71.14	ng	0.00

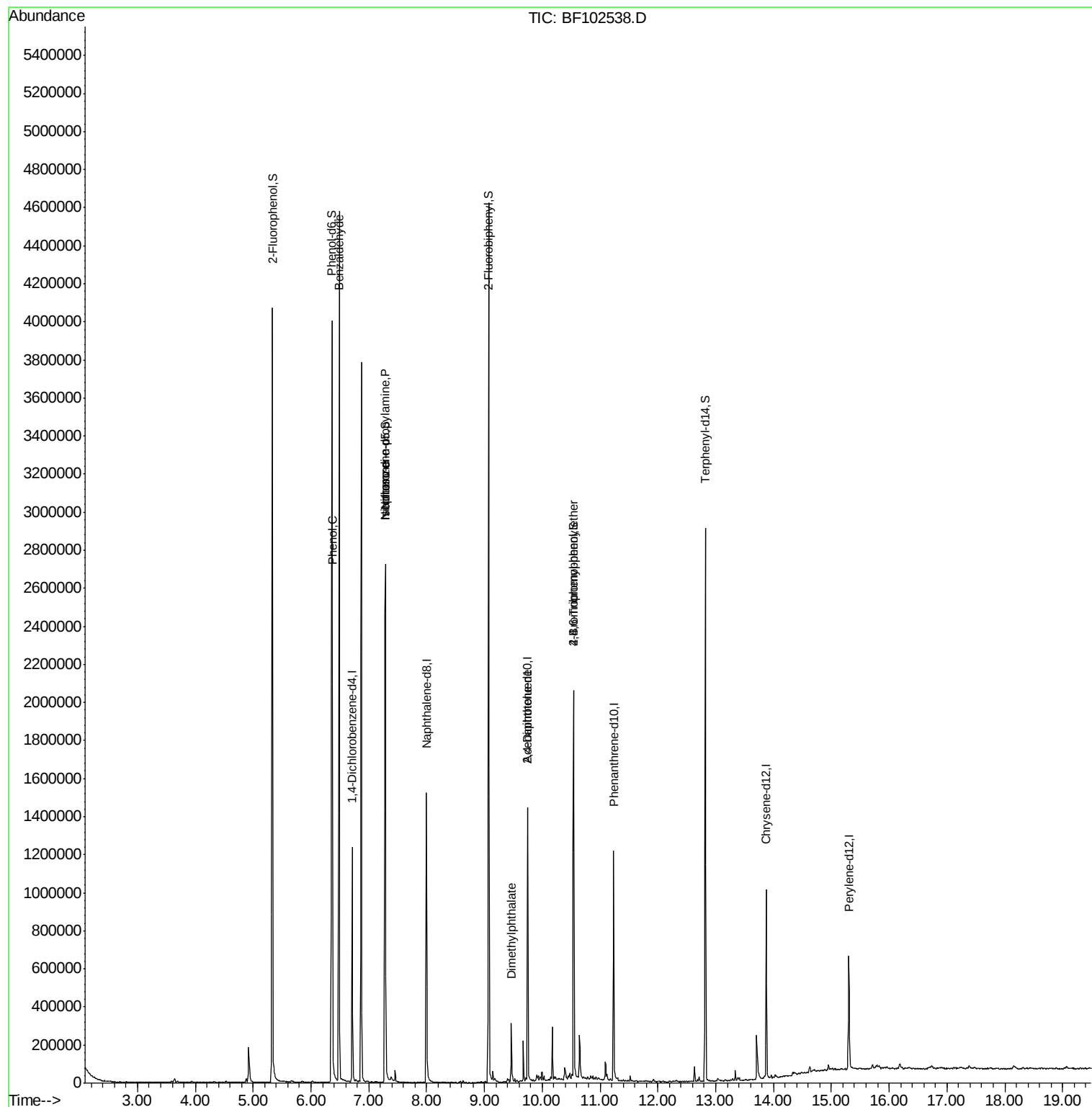
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	27572	2.561	ng	82
10) Phenol	6.37	94	61149	3.592	ng	98
19) n-Nitroso-di-n-propylamine	7.29	70	133759	14.018	ng	# 77
25) Isophorone	7.29	82	1002382	43.667	ng	# 64
49) Dimethylphthalate	9.47	163	123720	4.979	ng	97
56) 2,4-Dinitrotoluene	9.75	165	38535	5.849	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	15549	3.321	ng	# 1

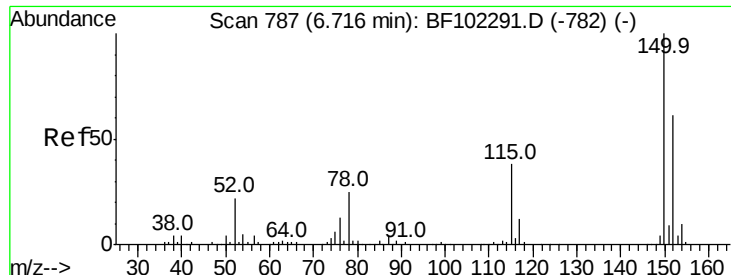
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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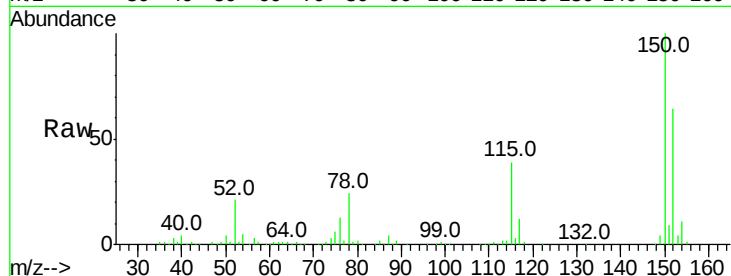


#1

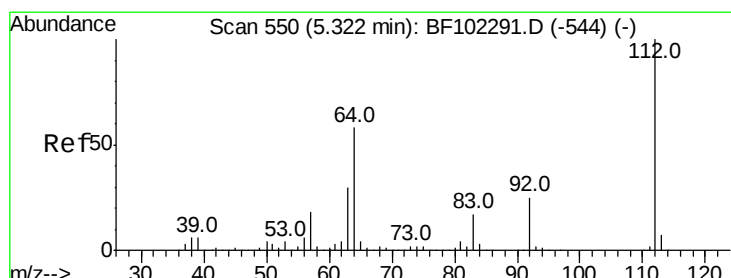
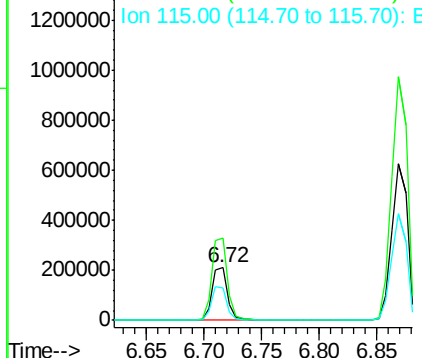
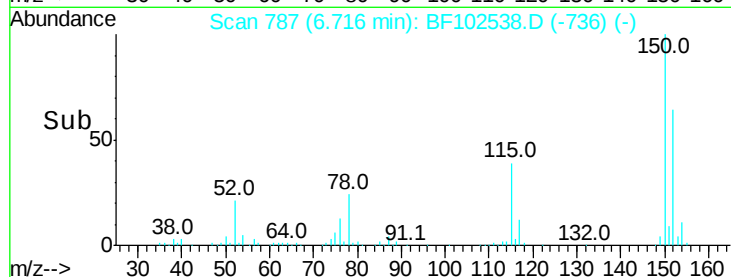
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102538.D
Acq: 28 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 196105
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 61.5 50.1 75.1



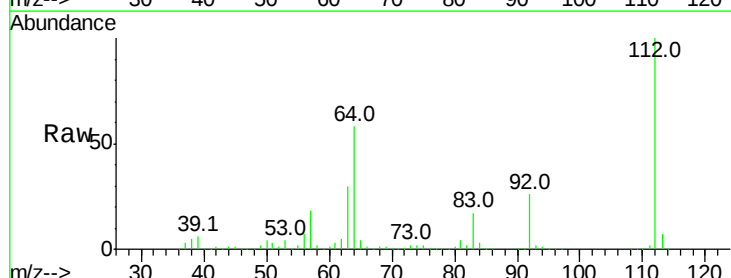
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



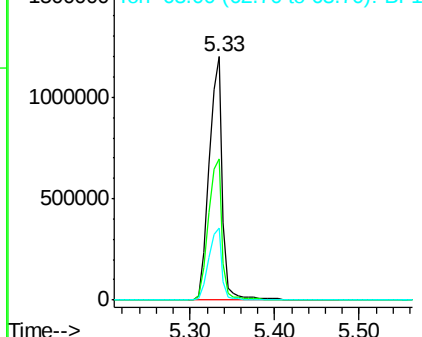
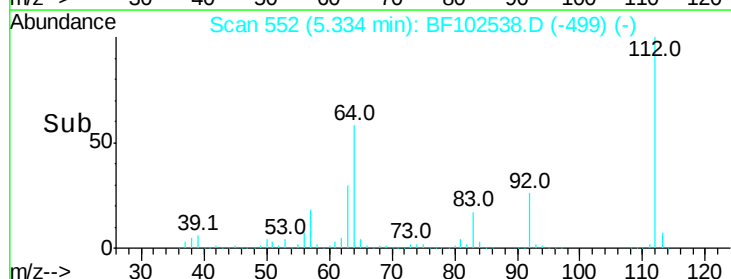
#5

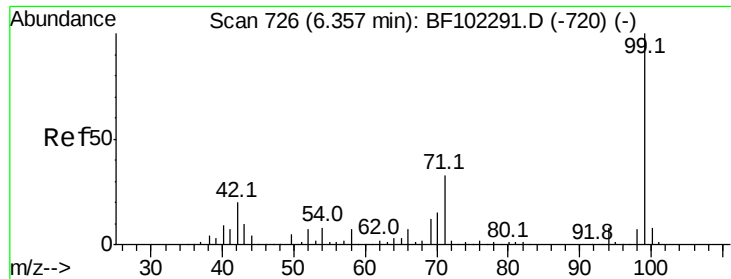
2-Fluorophenol
Concen: 103.144 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102538.D
Acq: 28 Jan 2018 3:53

Tgt Ion:112 Resp: 1334015
Ion Ratio Lower Upper
112 100
64 58.2 47.9 71.9
63 29.7 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: 107.512 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

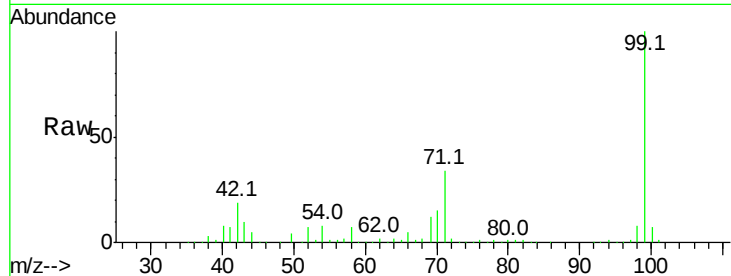
Tot Ion: 99 Resp: 1676370

Ion Ratio Lower Upper

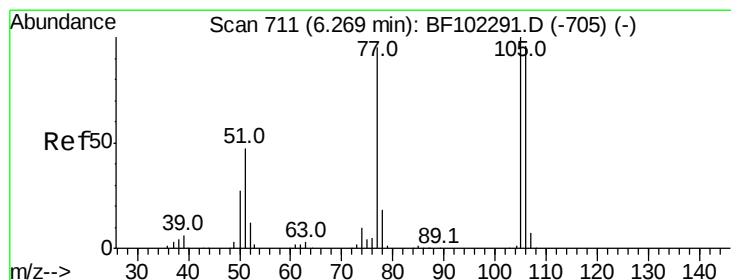
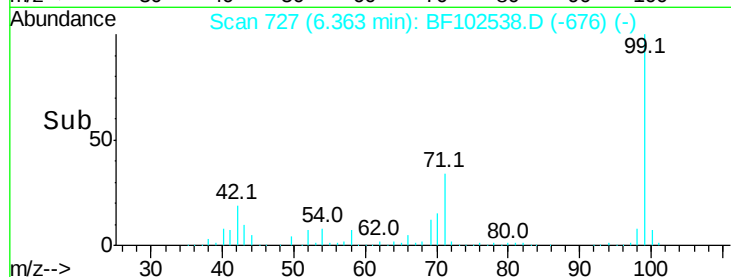
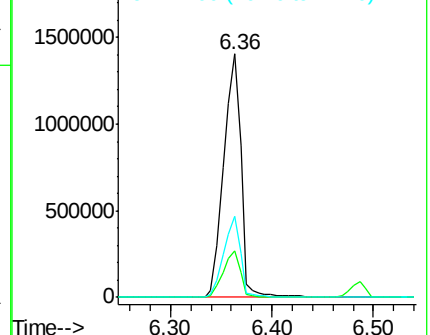
99 100

42 19.2 14.5 21.7

71 33.6 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: 2.561 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

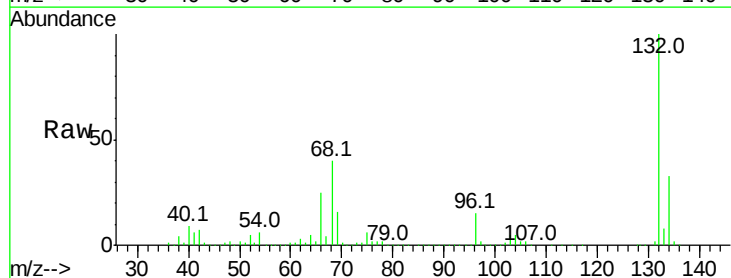
Tgt Ion: 77 Resp: 27572

Ion Ratio Lower Upper

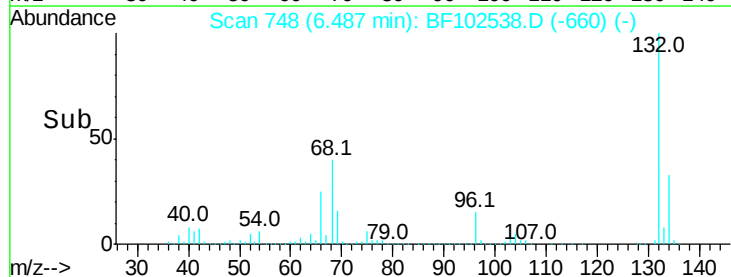
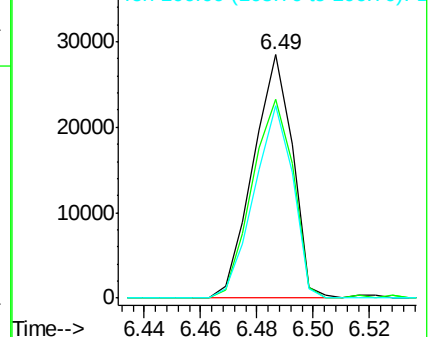
77 100

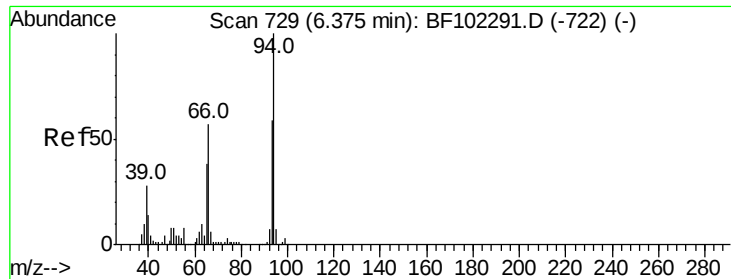
105 81.7 81.1 121.1

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: 3.592 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

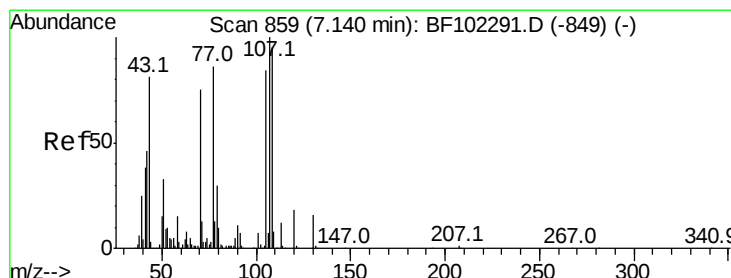
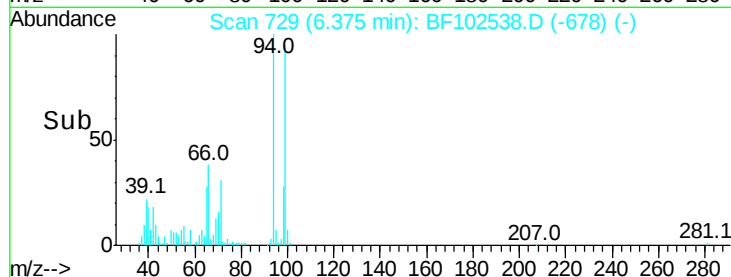
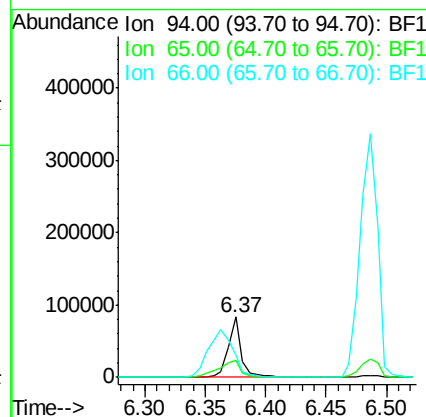
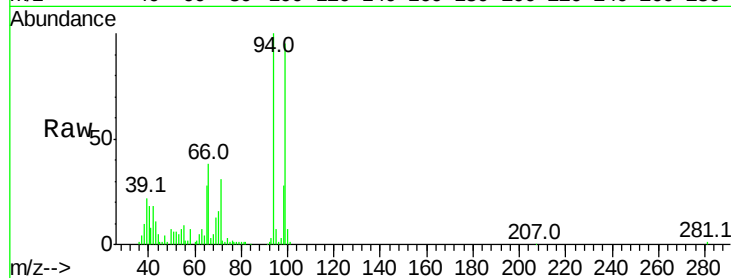
Tot Ion: 94 Resp: 61149

Ion Ratio Lower Upper

94 100

65 28.4 7.9 47.9

66 37.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.018 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

Tgt Ion: 70 Resp: 133759

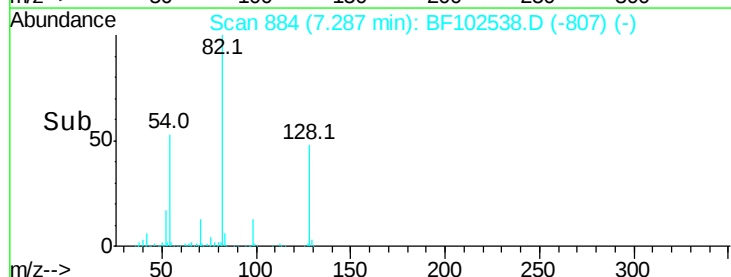
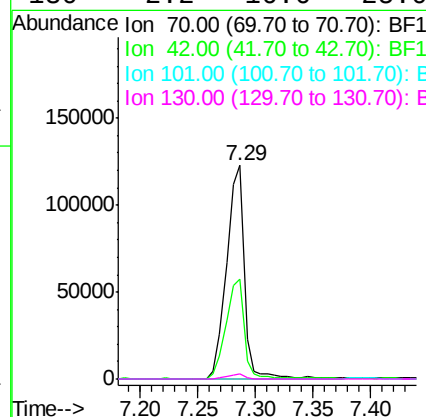
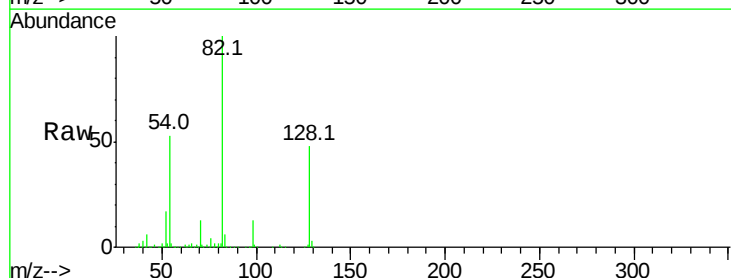
Ion Ratio Lower Upper

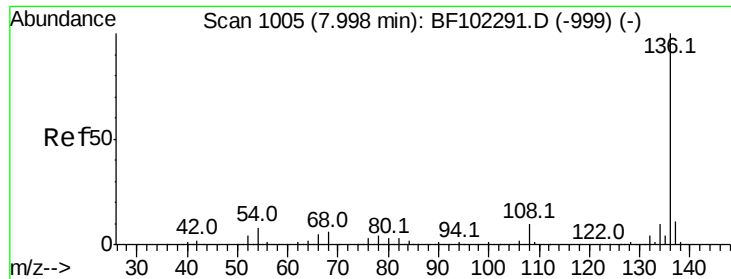
70 100

42 47.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

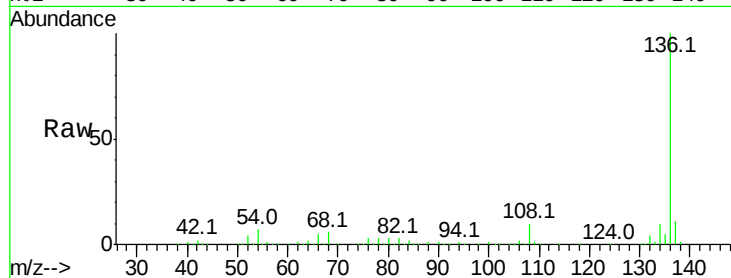




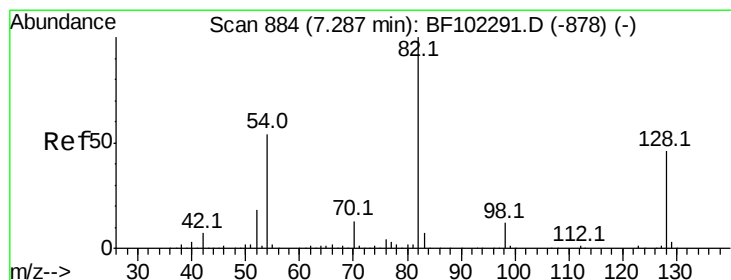
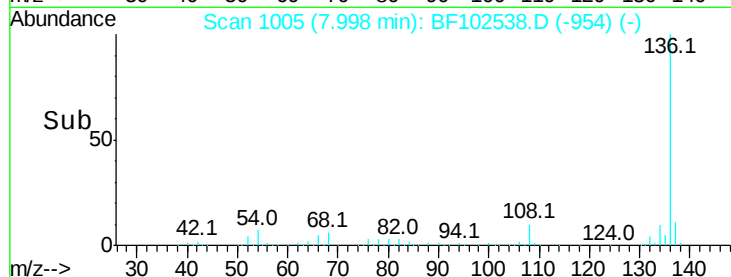
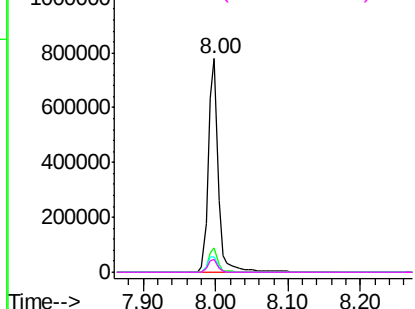
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102538.D
Acq: 28 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	739953
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	5.7	5.0	7.4

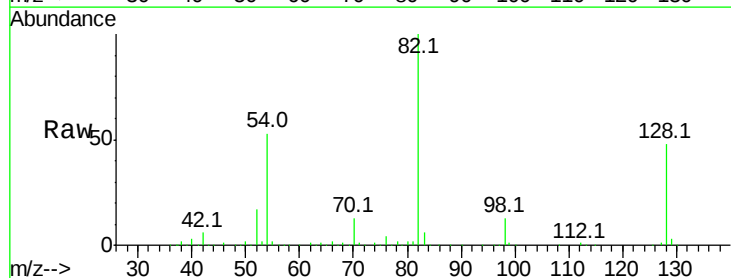


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

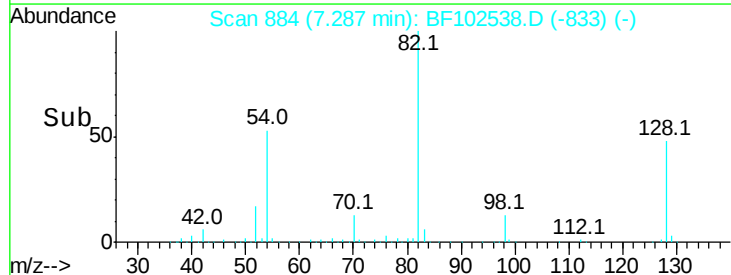
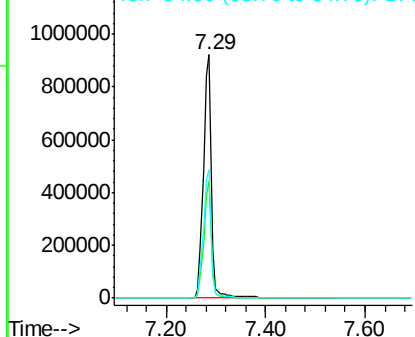


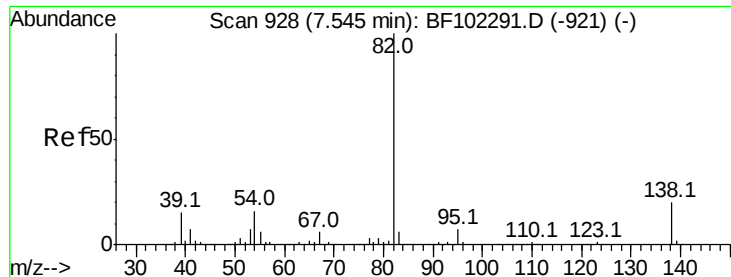
#23
Nitrobenzene-d5
Concen: 78.627 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102538.D
Acq: 28 Jan 2018 3:53

Tgt Ion:	82	Resp:	1012415
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	52.9	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: 43.667 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

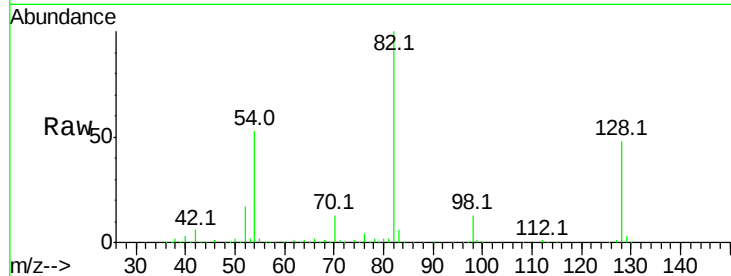
Tot Ion: 82 Resp: 1002382

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

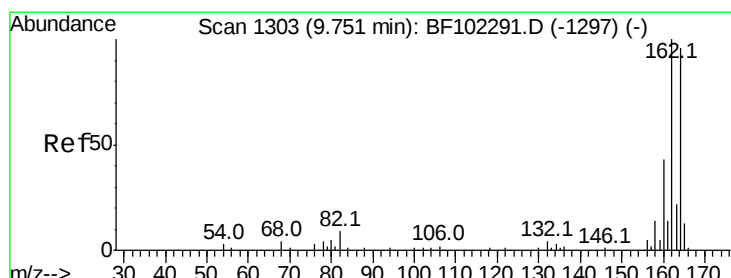
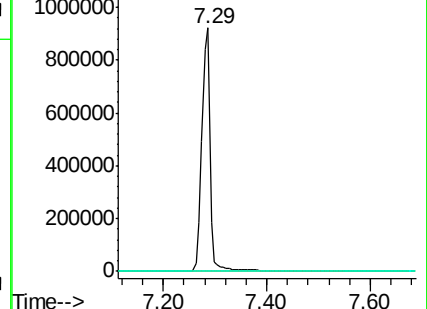
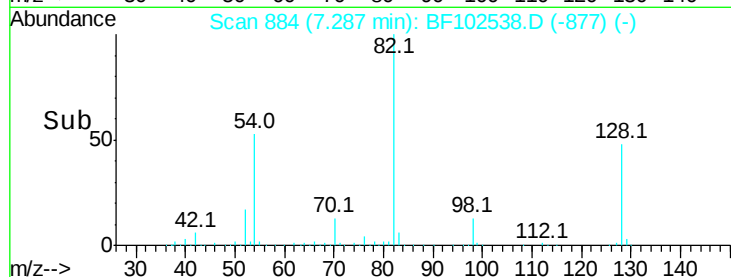
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

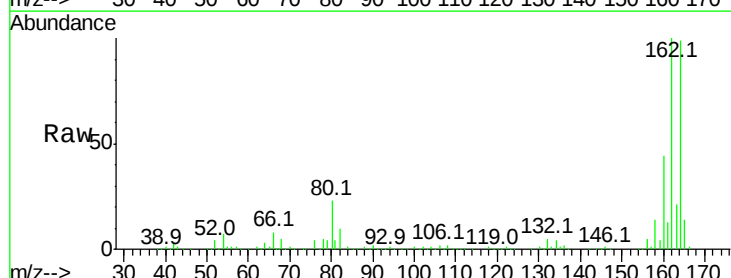
Tgt Ion:164 Resp: 300621

Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

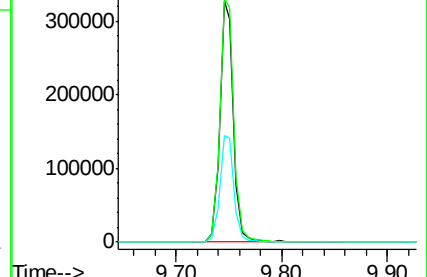
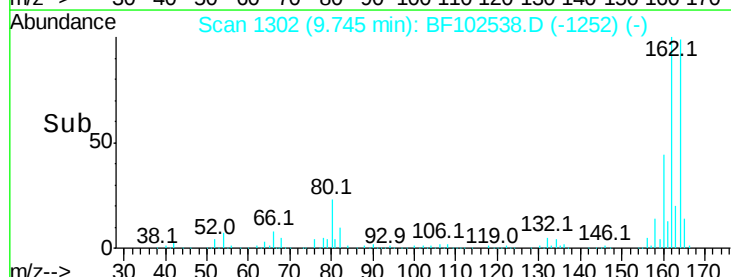
160 44.6 38.3 57.5

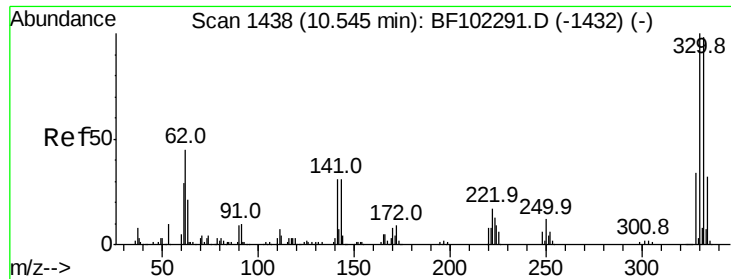


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

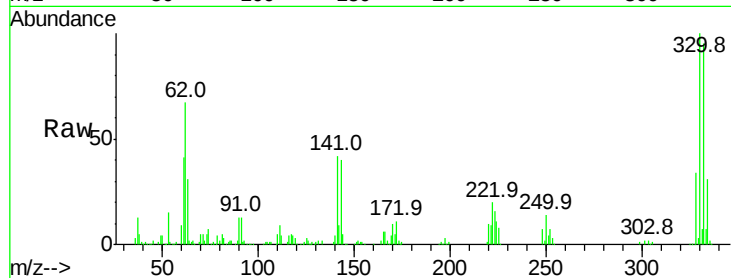




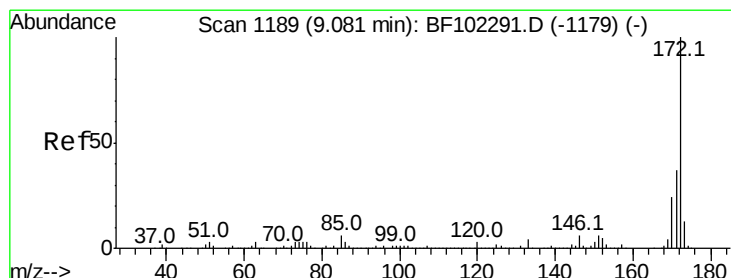
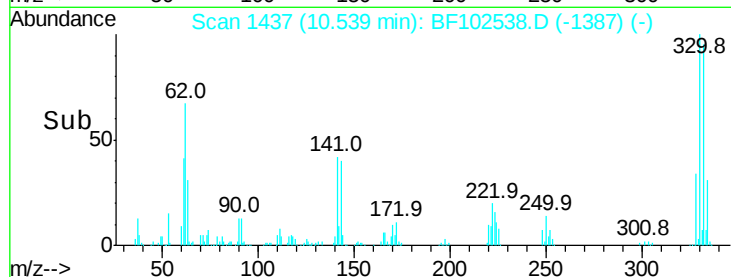
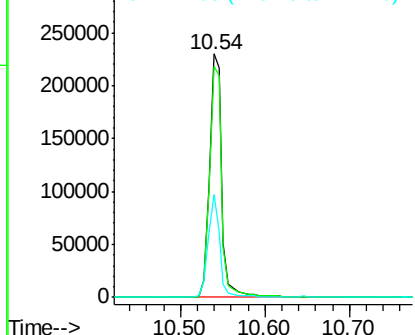
#41
 2,4,6-Tribromophenol
 Concen: 79.298 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102538.D
 Acq: 28 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	39.6	29.9	44.9

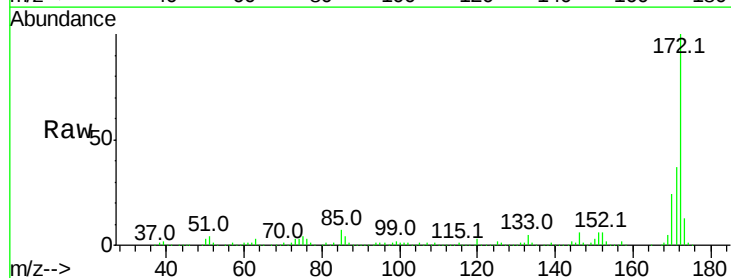


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

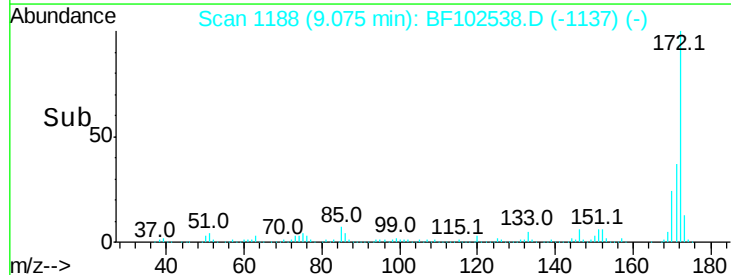
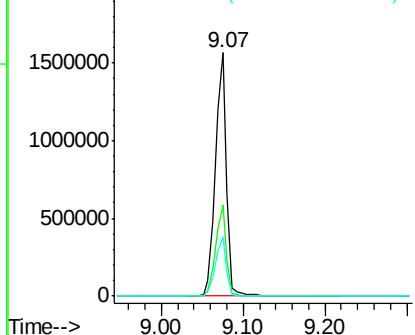


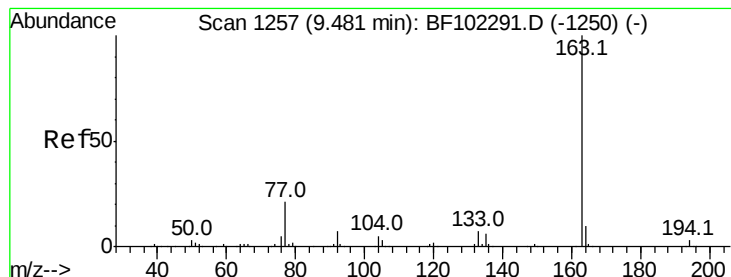
#44
 2-Fluorobiphenyl
 Concen: 72.676 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF102538.D
 Acq: 28 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.7	44.5
170	24.4	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: 4.979 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

Instrument :

BNA_F

ClientSampled :

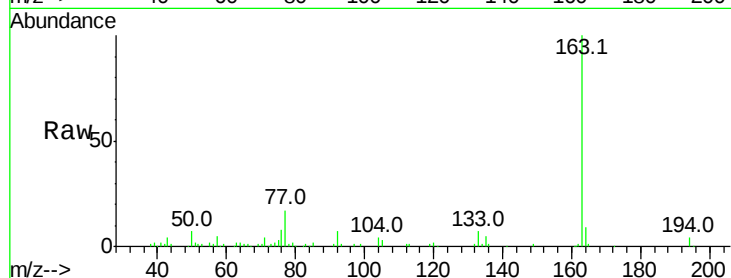
Tot Ion:163 Resp: 123720

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

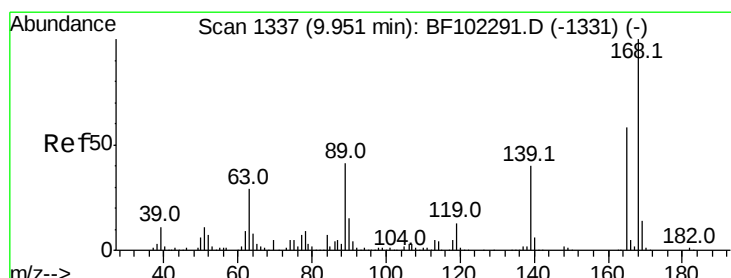
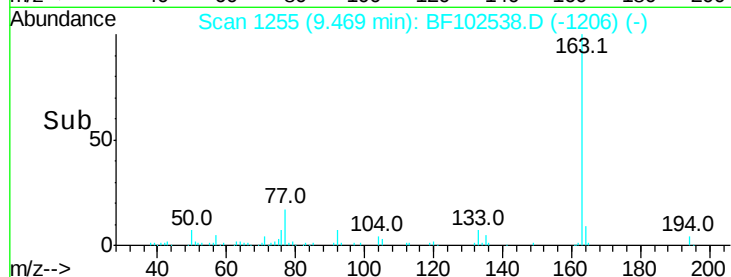
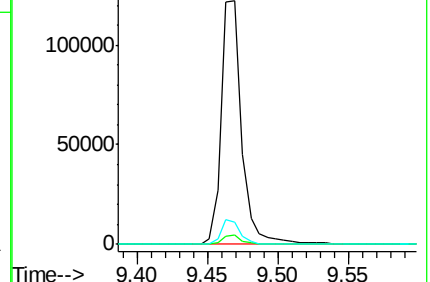
164 8.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.849 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

Tgt Ion:165 Resp: 38535

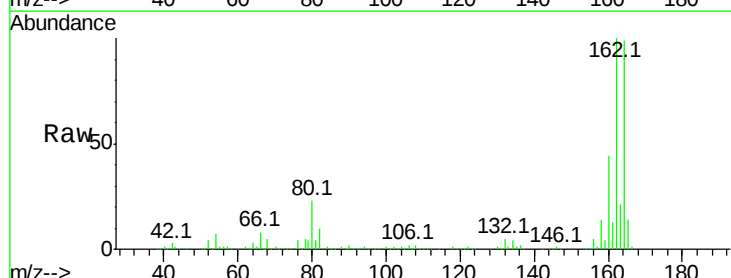
Ion Ratio Lower Upper

165 100

63 0.8 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

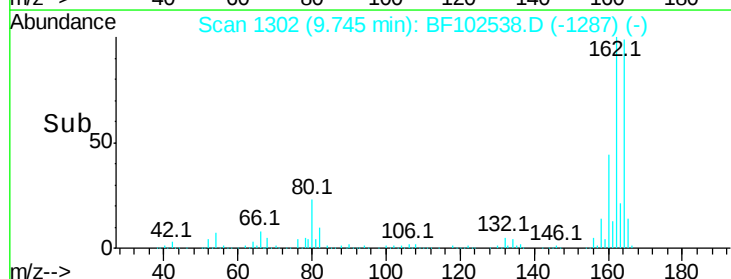
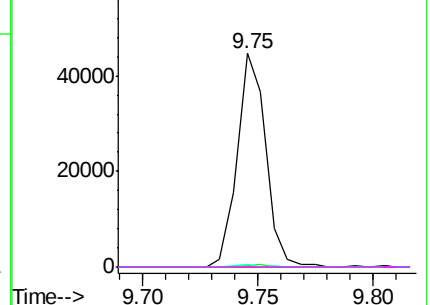


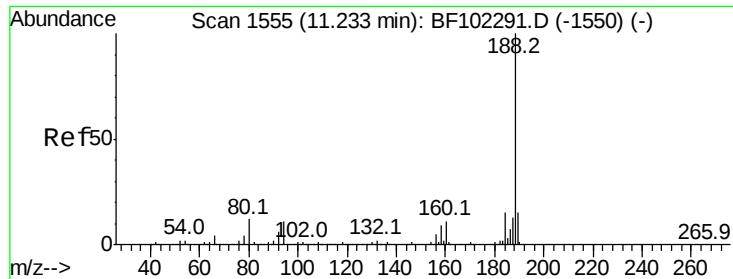
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

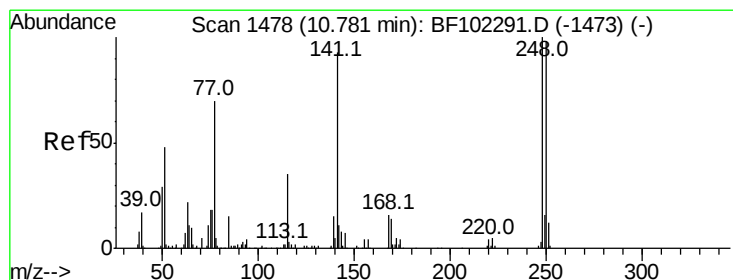
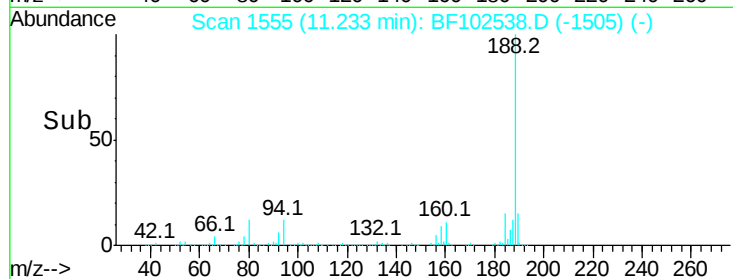
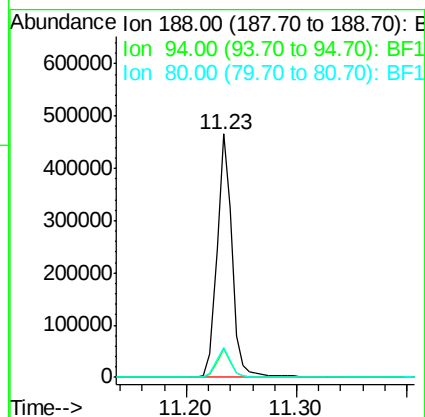
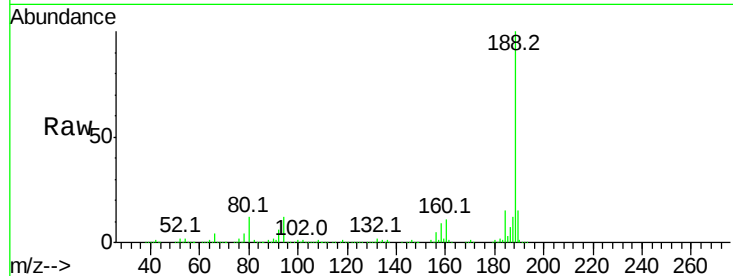




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102538.D
Acq: 28 Jan 2018 3:53

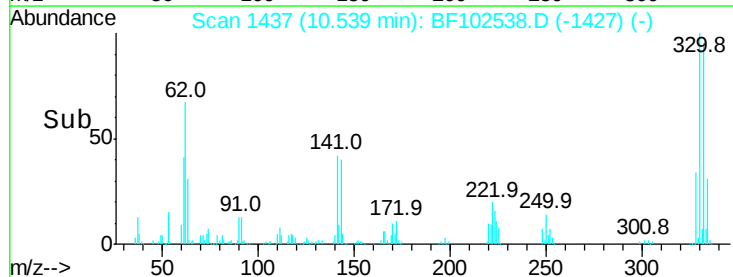
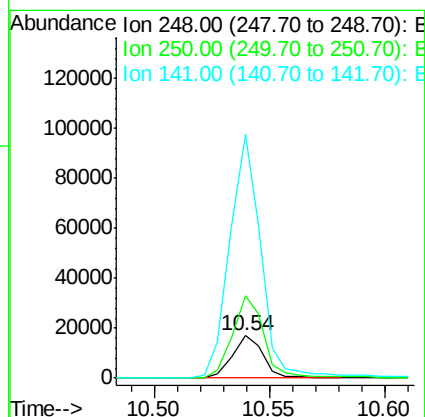
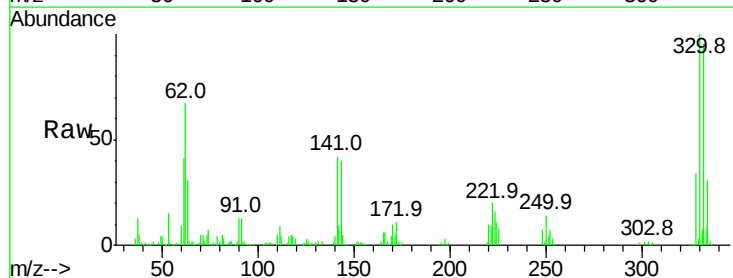
Instrument :
BNA_F
ClientSampleId :

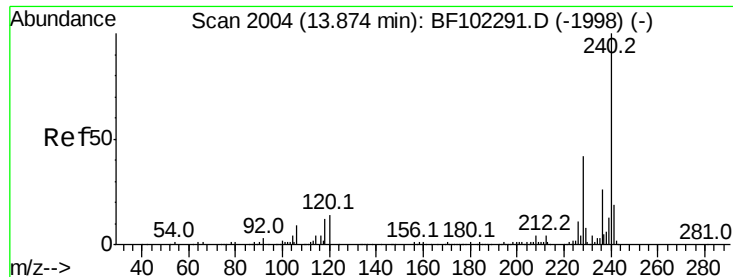
Tot Ion:188 Resp: 434866
Ion Ratio Lower Upper
188 100
94 11.9 8.5 12.7
80 12.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.321 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102538.D
Acq: 28 Jan 2018 3:53

Tgt Ion:248 Resp: 15549
Ion Ratio Lower Upper
248 100
250 194.7 76.9 115.3#
141 572.8 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

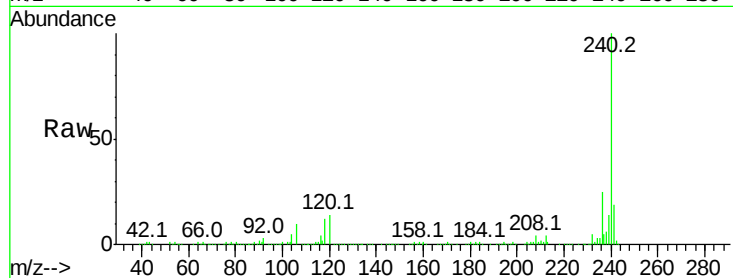
Tot Ion:240 Resp: 317612

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

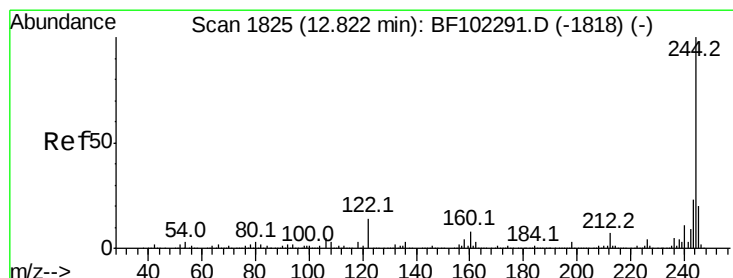
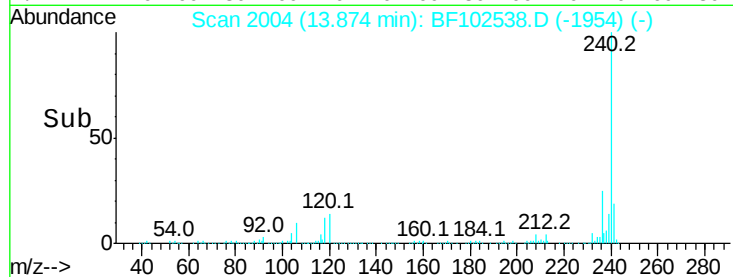
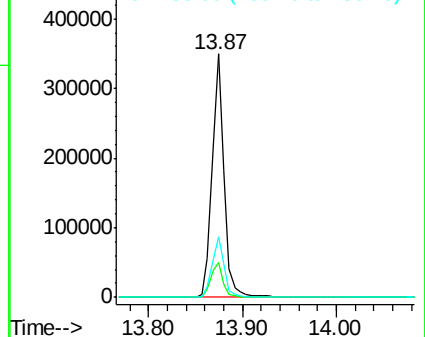
236 24.8 20.7 31.1



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: 71.140 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102538.D

Acq: 28 Jan 2018 3:53

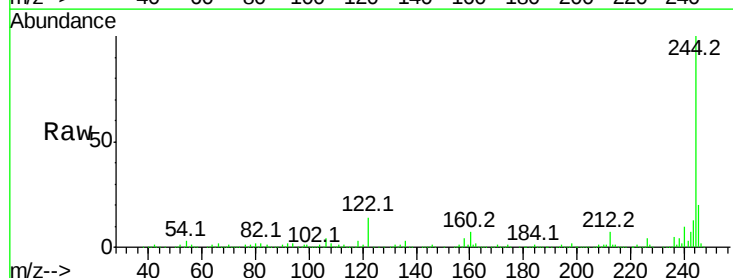
Tgt Ion:244 Resp: 1002273

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

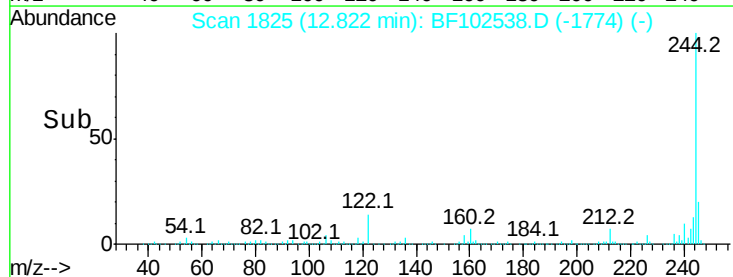
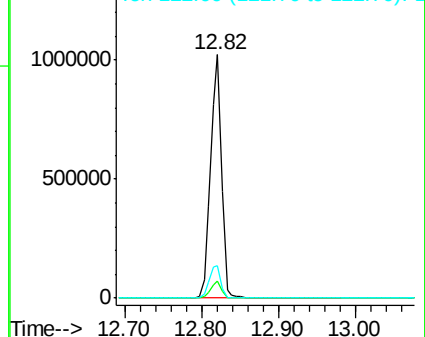
122 13.5 11.0 16.4

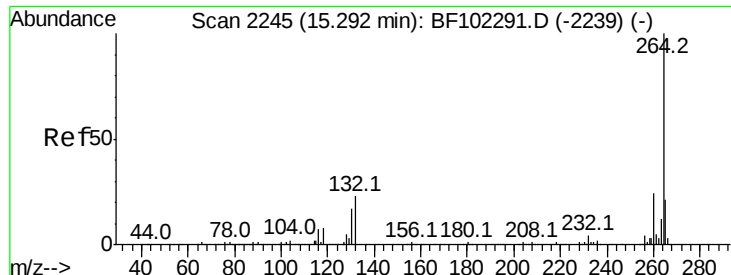


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

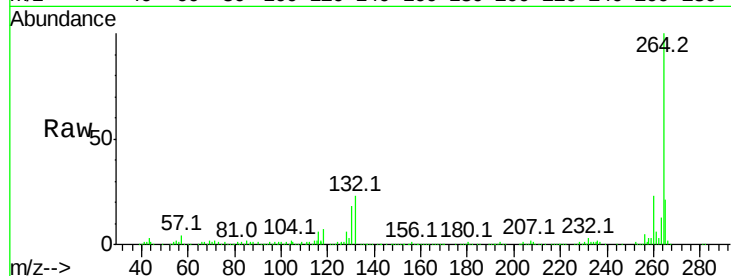




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.00 min
 Lab File: BF102538.D
 Acq: 28 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.7	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

