

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103285.D
 Acq On : 28 Feb 2018 2:02
 Operator : SJ/JU
 Sample : J1690-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 03:24:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

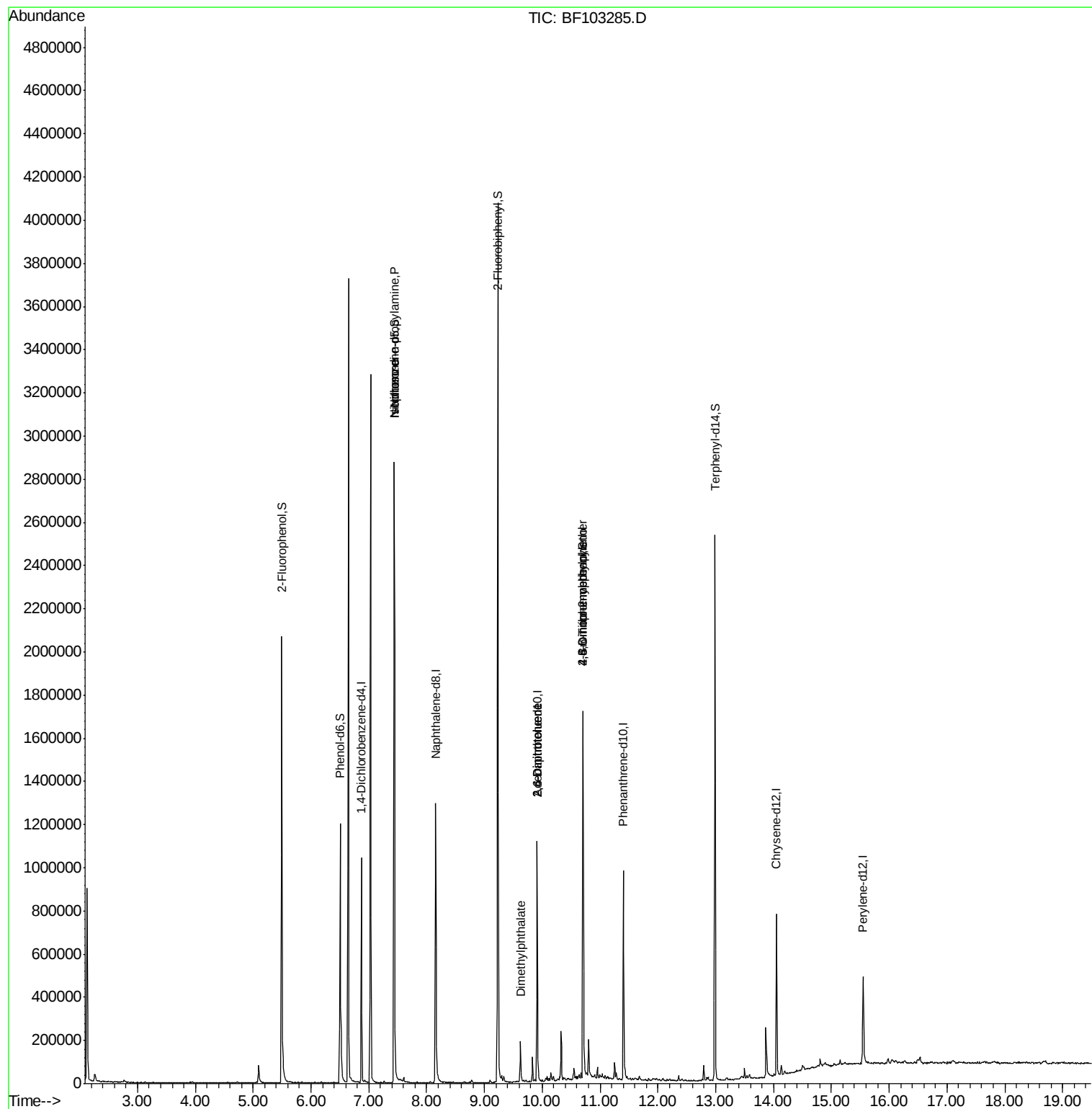
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150482	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	596683	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	232836	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	338047	20.00	ng	0.00
75) Chrysene-d12	14.05	240	254656	20.00	ng	0.00
86) Perylene-d12	15.55	264	193098	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	577395	58.03	ng	0.00
7) Phenol-d6	6.50	99	432328	35.51	ng	0.00
23) Nitrobenzene-d5	7.44	82	974773	93.30	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	193044	97.95	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1364706	107.46	ng	0.00
78) Terphenyl-d14	12.99	244	878873	82.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	973	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	133145	17.57	ng	85
25) Isophorone	7.44	82	974767	47.37	ng	64
49) Dimethylphthalate	9.62	163	70336	3.77	ng	98
50) 2,6-Dinitrotoluene	9.91	165	30439	7.77	ng	26
56) 2,4-Dinitrotoluene	9.91	165	30439	6.14	ng	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	346	5.10	ng	1
66) 4-Bromophenyl-phenylether	10.70	248	13364	3.80	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: 6.87 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

Instrument :

BNA_F

ClientSampleId :

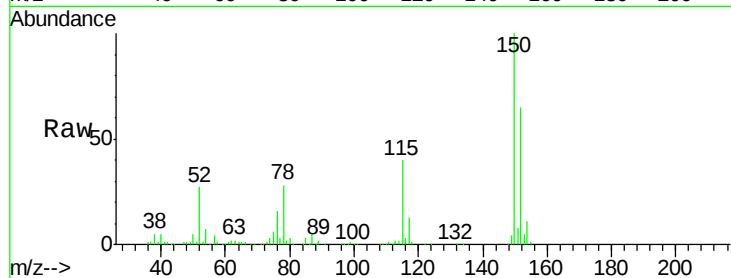
Tot Ion:152 Resp: 150482

Ion Ratio Lower Upper

152 100

150 152.8 124.6 186.8

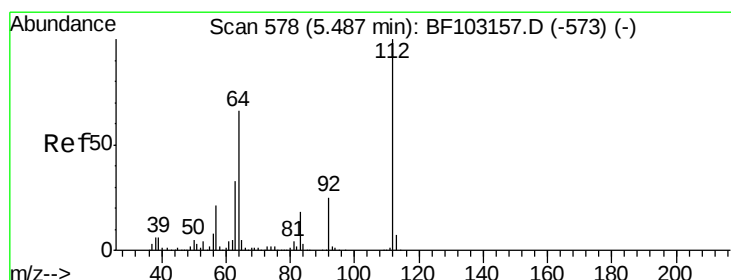
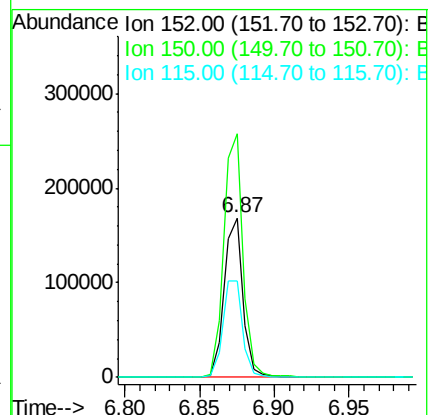
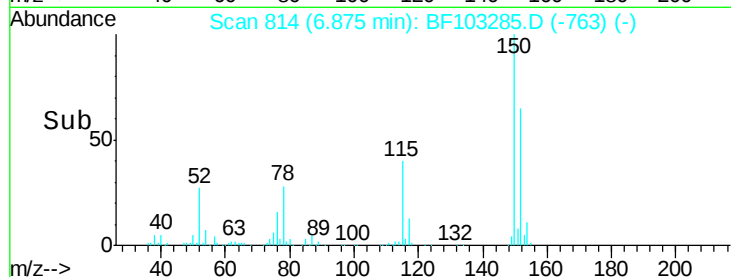
115 60.7 50.1 75.1



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: 58.03 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.00 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

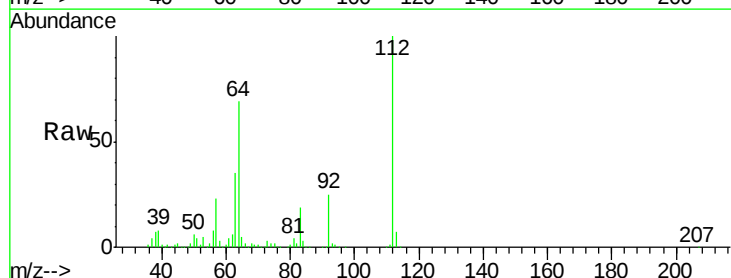
Tgt Ion:112 Resp: 577395

Ion Ratio Lower Upper

112 100

64 69.0 47.9 71.9

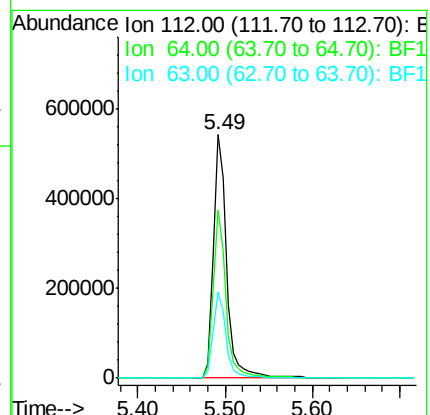
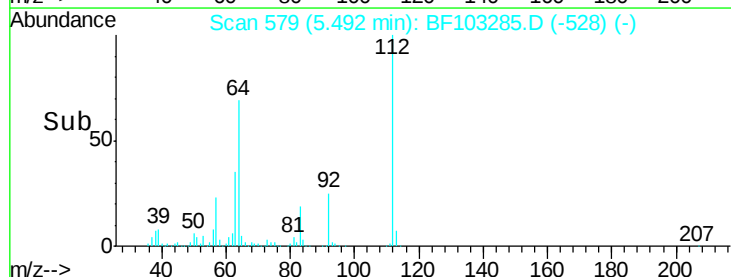
63 35.3 23.7 35.5

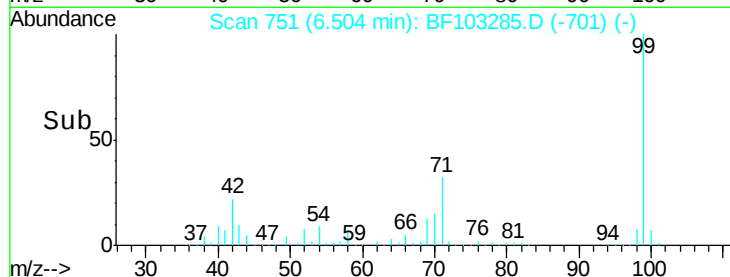
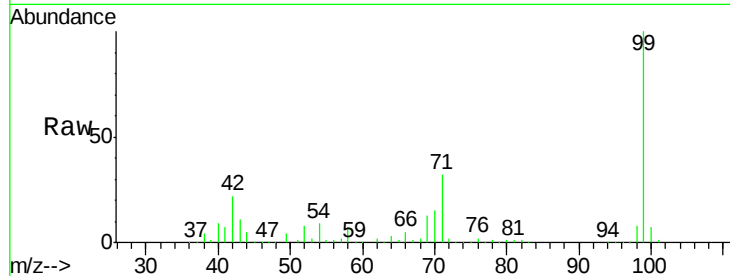
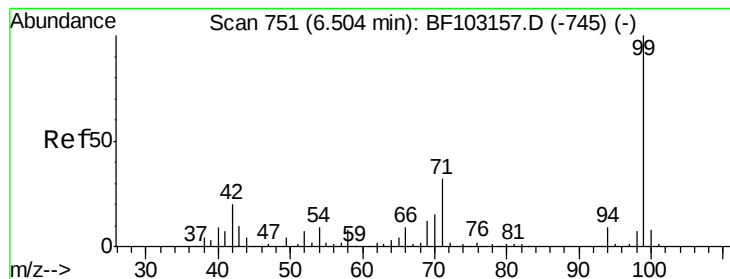


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.51 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

Instrument :

BNA_F

ClientSampleId :

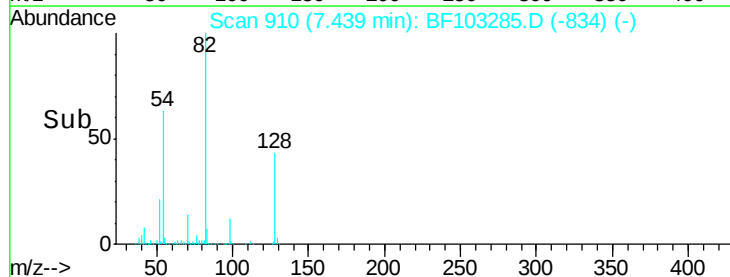
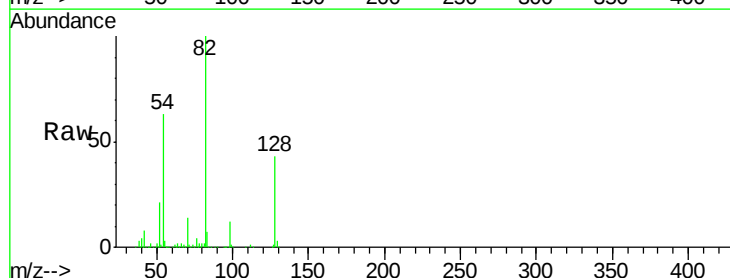
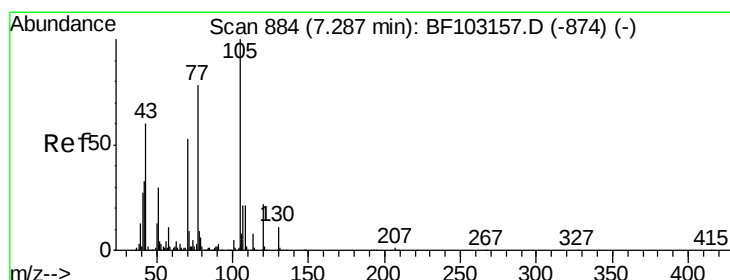
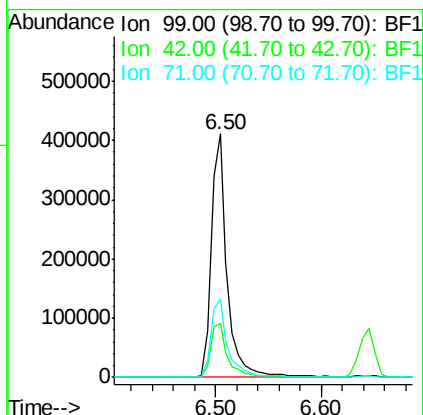
Tot Ion: 99 Resp: 432328

Ion Ratio Lower Upper

99 100

42 22.3 14.5 21.7#

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.57 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

Tgt Ion: 70 Resp: 133145

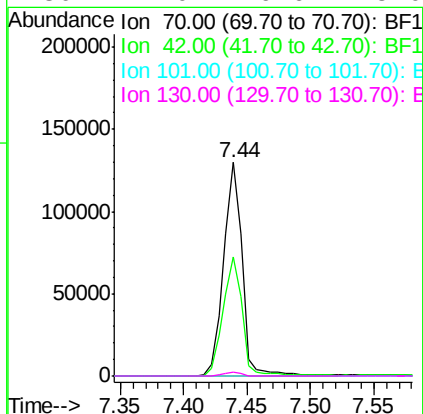
Ion Ratio Lower Upper

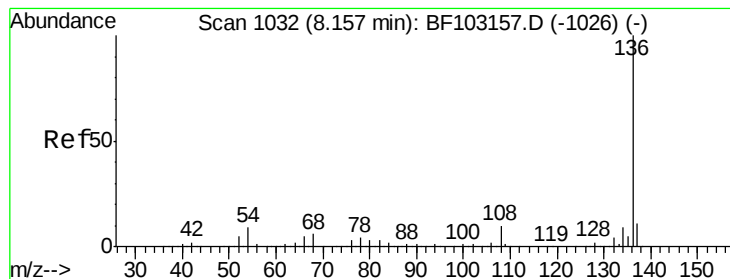
70 100

42 55.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 596683

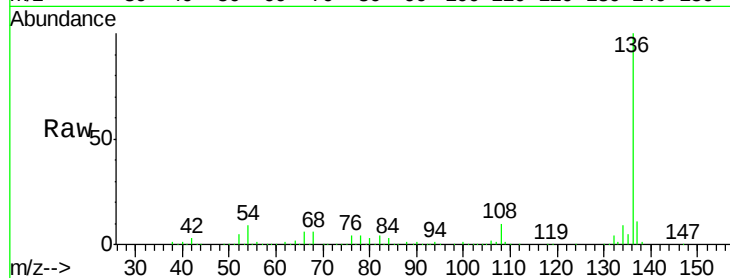
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.2 6.6 9.8

68 6.5 5.0 7.4

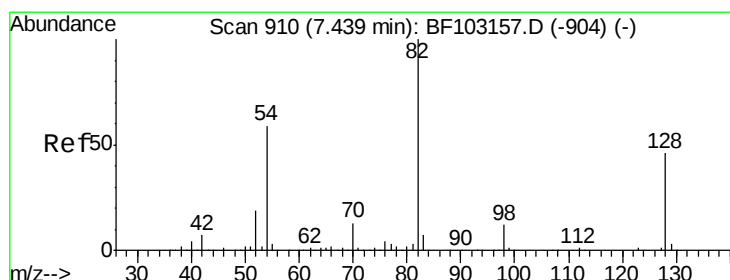
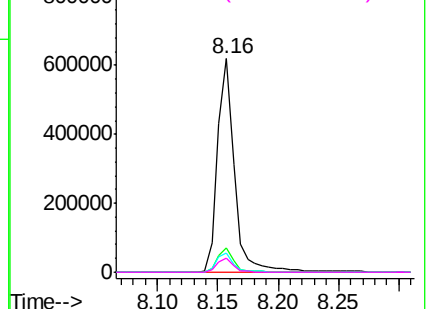
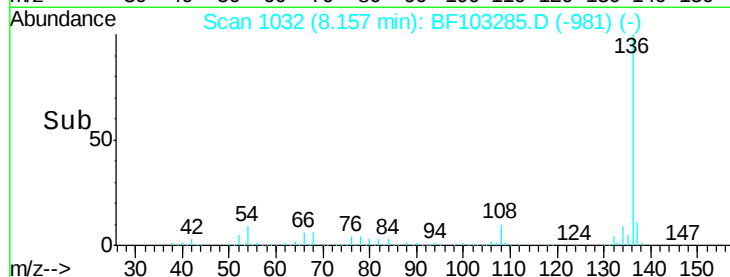


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.30 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

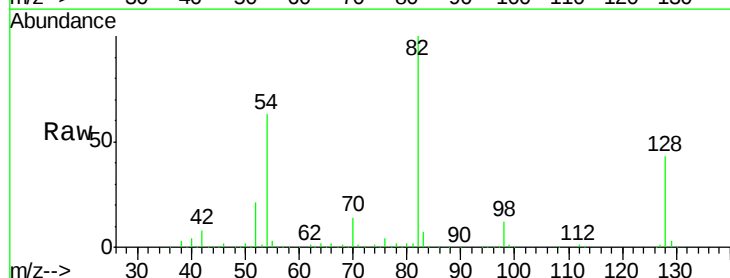
Tgt Ion: 82 Resp: 974773

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

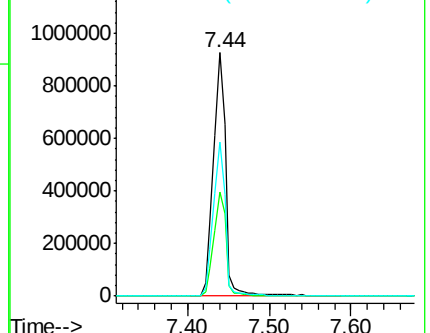
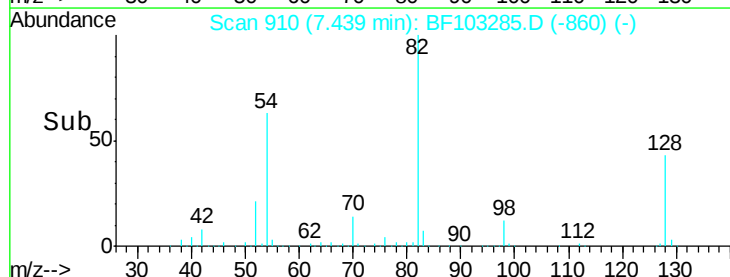
54 63.3 41.4 62.2#

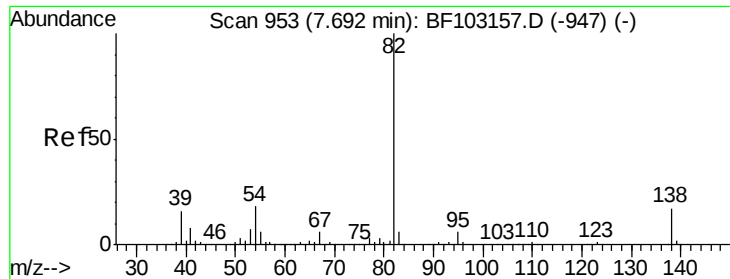


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

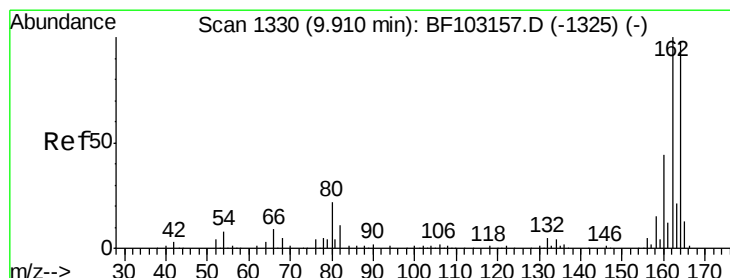
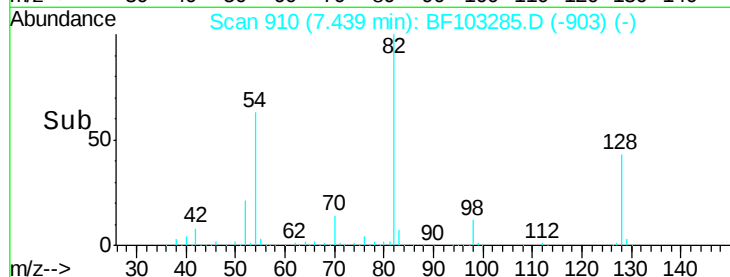
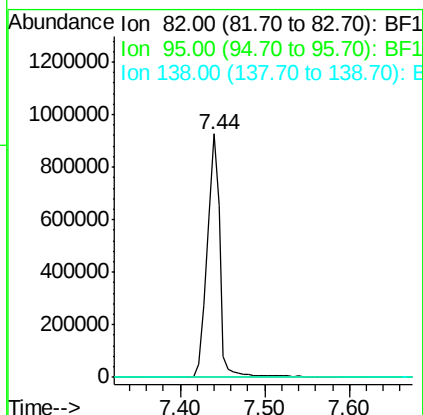
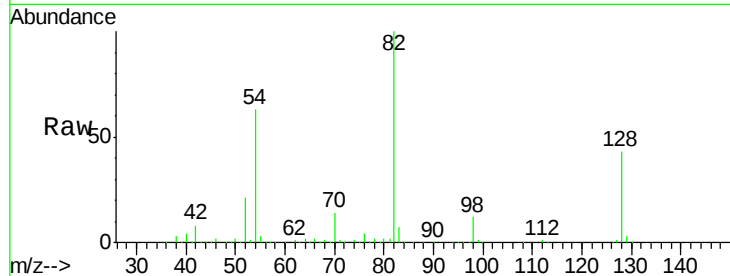




#25
Isophorone
Concen: 47.37 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103285.D
Acq: 28 Feb 2018 2:02

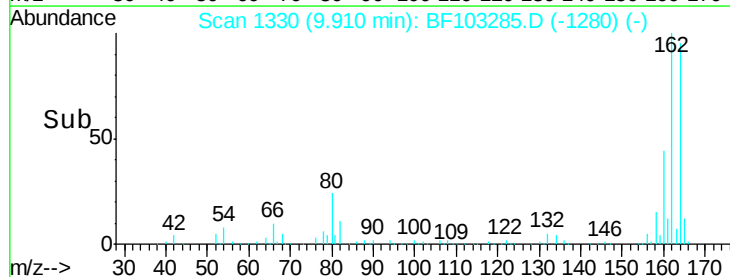
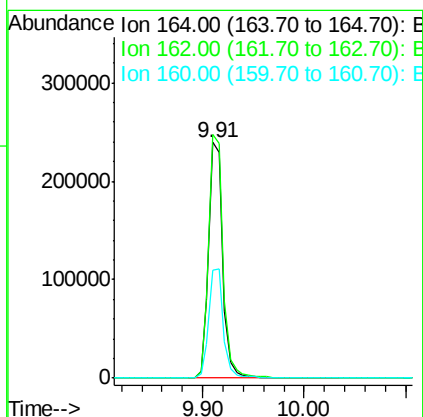
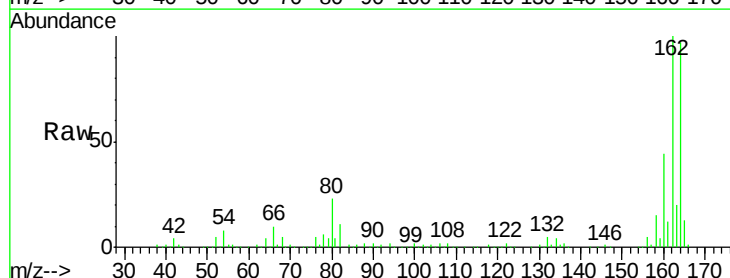
Instrument :
BNA_F
ClientSampleId :

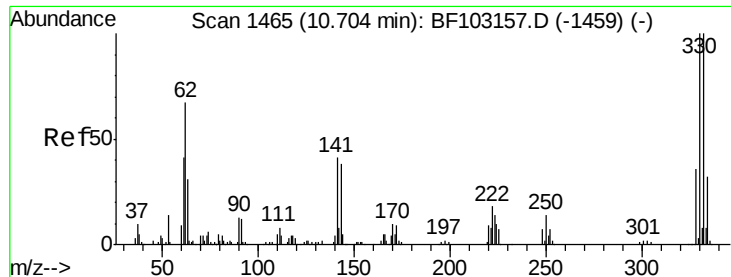
Tot Ion: 82 Resp: 974767
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103285.D
Acq: 28 Feb 2018 2:02

Tgt Ion: 164 Resp: 232836
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 45.6 38.3 57.5

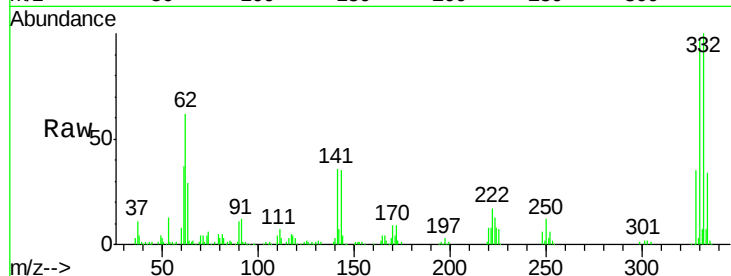




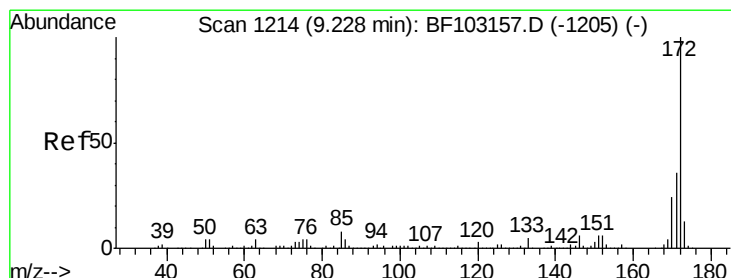
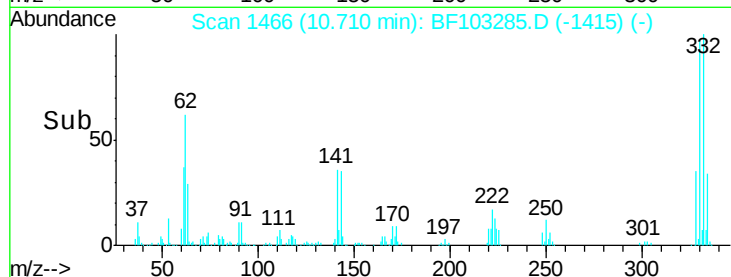
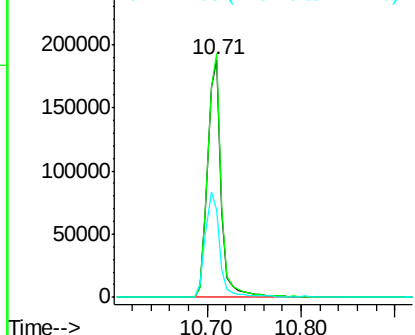
#41
 2,4,6-Tribromophenol
 Concen: 97.95 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103285.D
 Acq: 28 Feb 2018 2:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 193044
 Ion Ratio Lower Upper
 330 100
 332 101.2 77.0 115.6
 141 47.0 29.9 44.9#

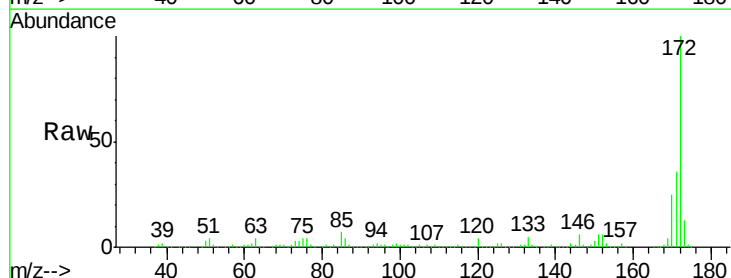


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

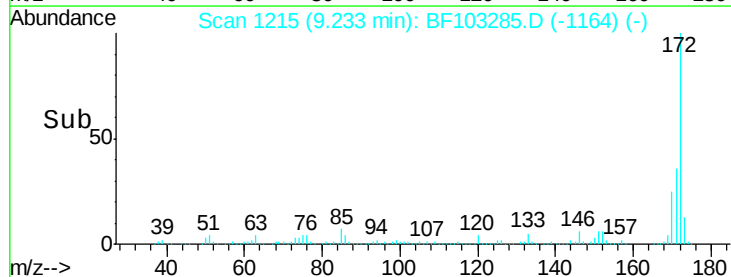
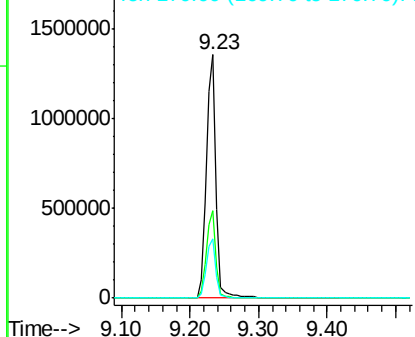


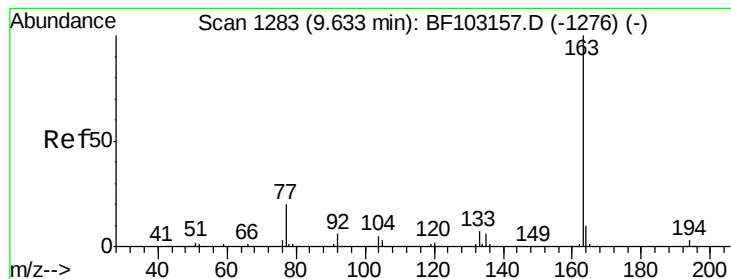
#44
 2-Fluorobiphenyl
 Concen: 107.46 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103285.D
 Acq: 28 Feb 2018 2:02

Tgt Ion:172 Resp: 1364706
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.6 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: 3.77 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

Instrument :

BNA_F

ClientSampleId :

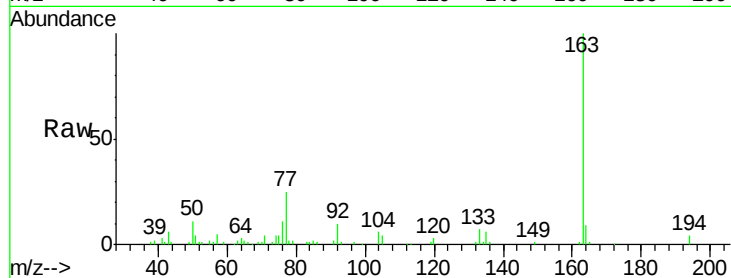
Tot Ion:163 Resp: 70336

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

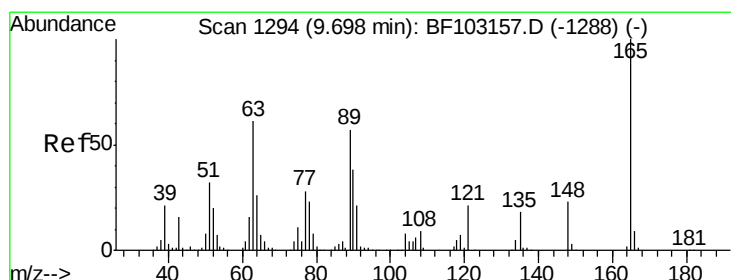
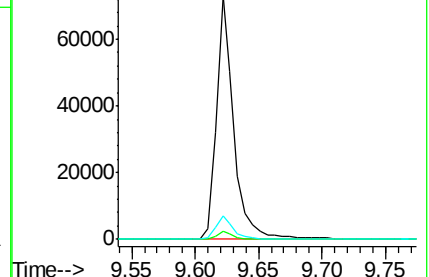
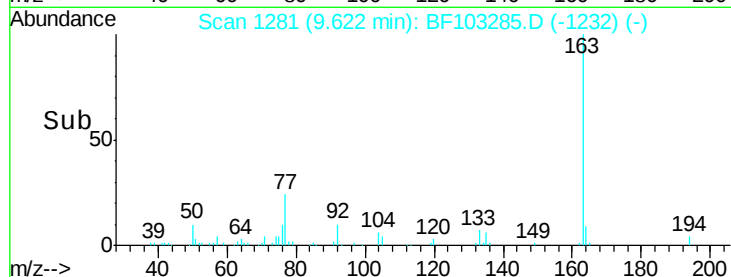
164 9.5 8.2 12.2



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: 7.77 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

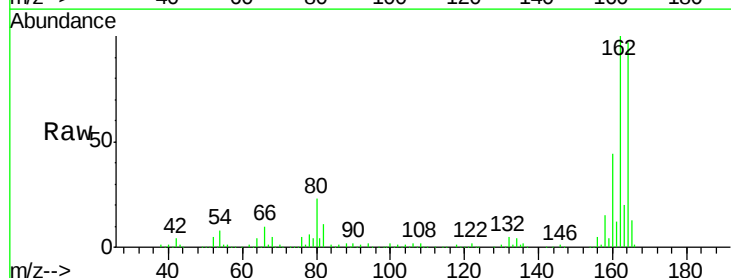
Tgt Ion:165 Resp: 30439

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

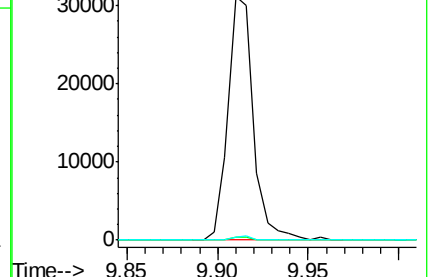
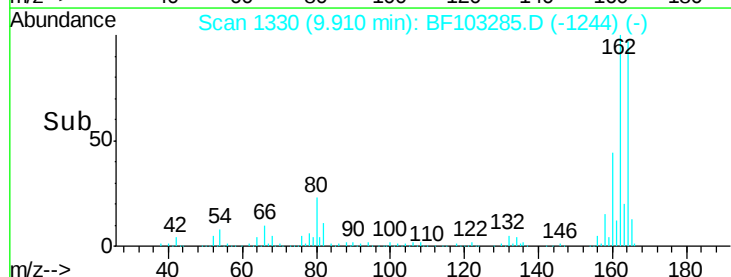
89 1.5 44.0 66.0#

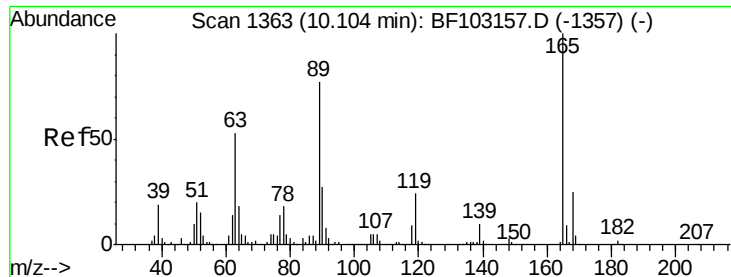


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

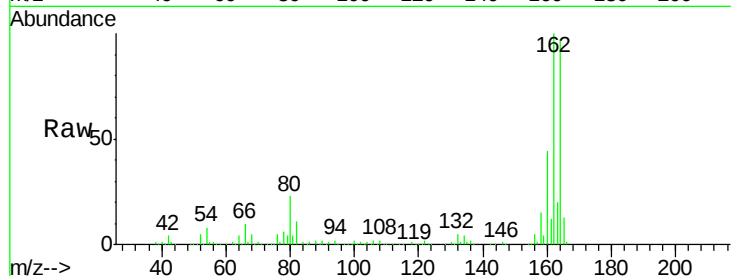




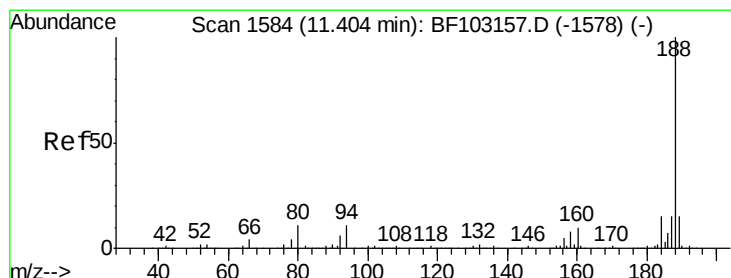
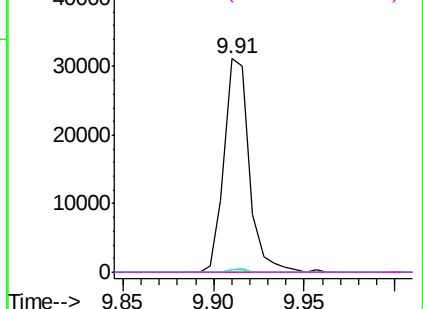
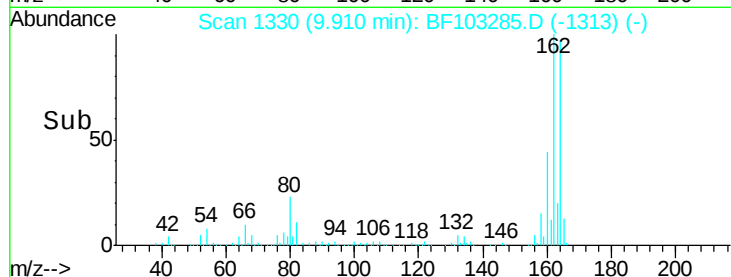
#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103285.D
 Acq: 28 Feb 2018 2:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 30439
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

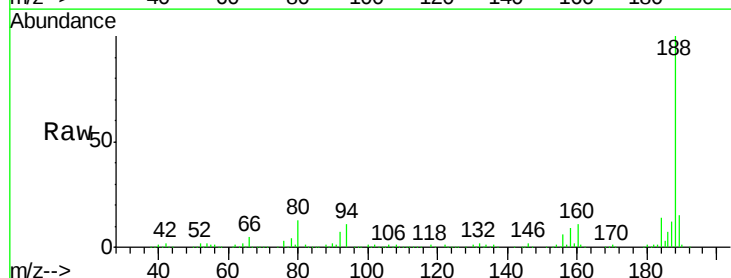


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

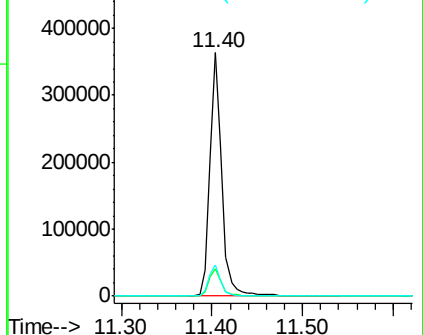
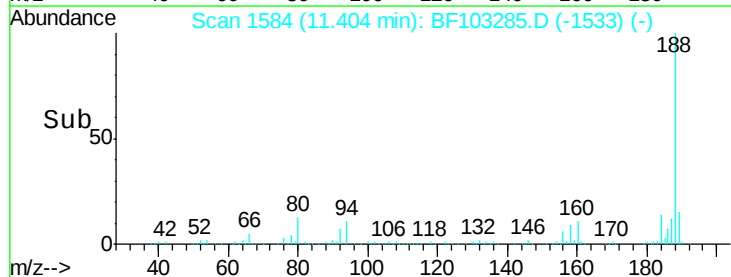


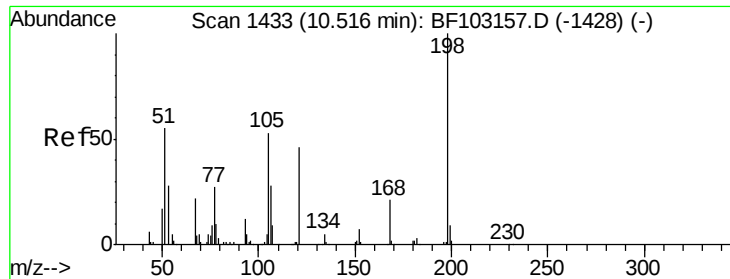
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103285.D
 Acq: 28 Feb 2018 2:02

Tgt Ion:188 Resp: 338047
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.8 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

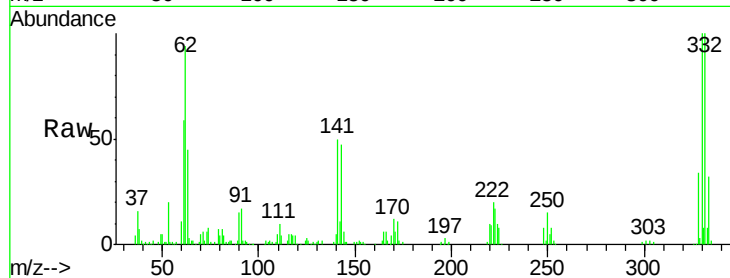




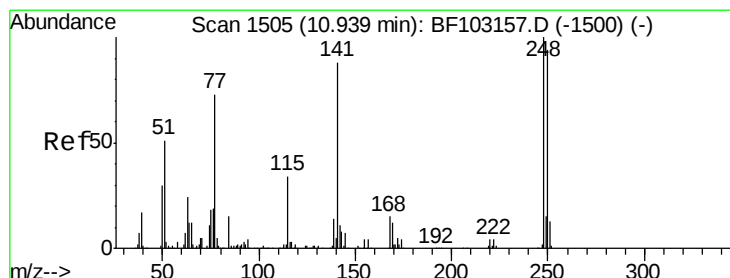
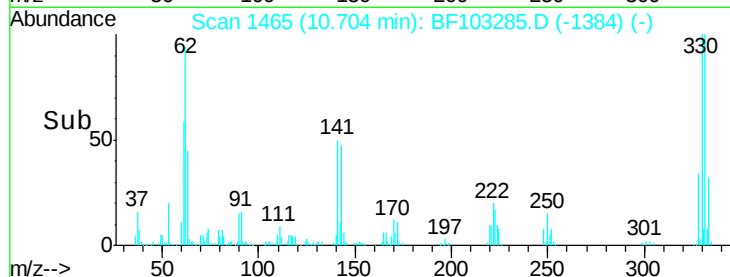
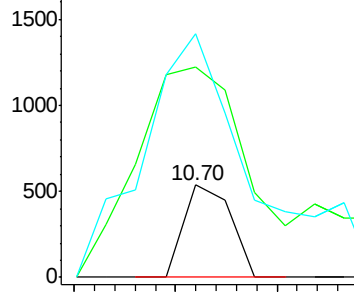
#64
4,6-Dinitro-2-methylphenol
Concen: 5.10 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103285.D
Acq: 28 Feb 2018 2:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 346
Ion Ratio Lower Upper
198 100
51 228.6 37.7 77.7#
105 264.7 36.3 76.3#

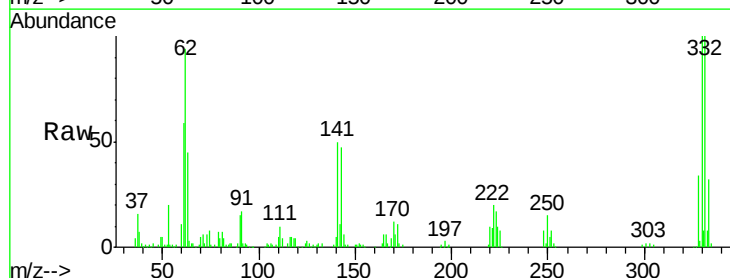


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

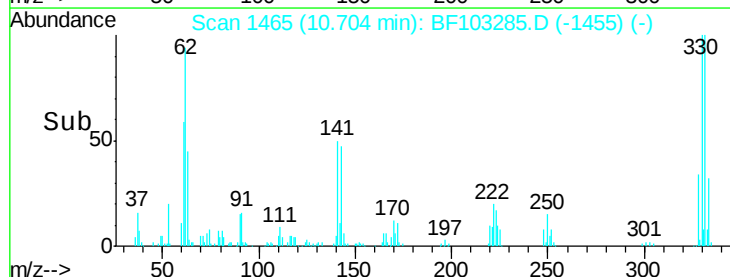
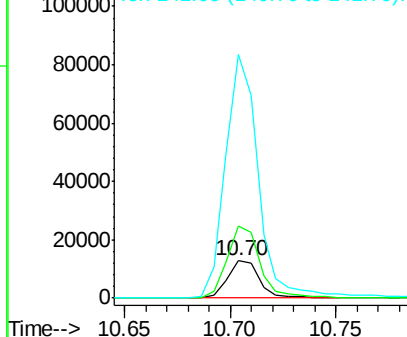


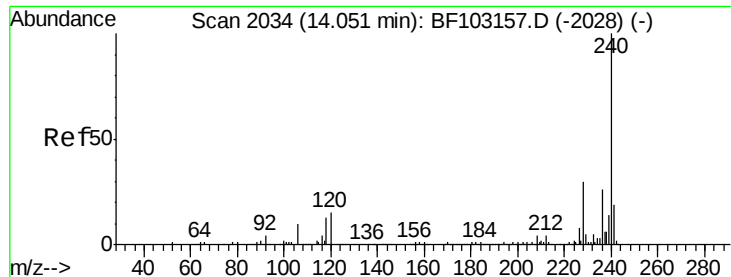
#66
4-Bromophenyl-phenylether
Concen: 3.80 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103285.D
Acq: 28 Feb 2018 2:02

Tgt Ion:248 Resp: 13364
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 657.6 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

Instrument :

BNA_F

ClientSampleId :

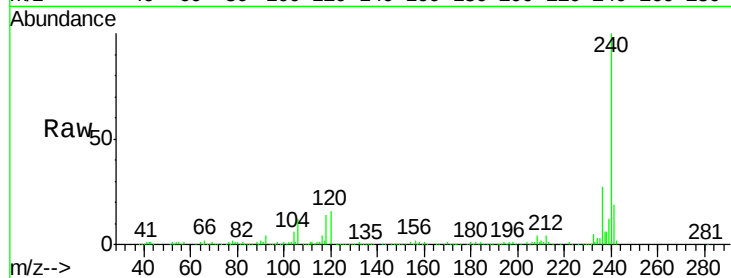
Tot Ion:240 Resp: 254656

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

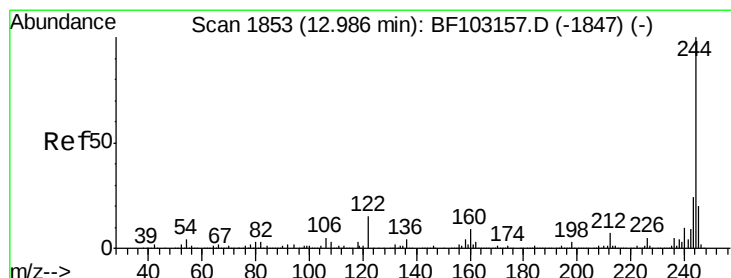
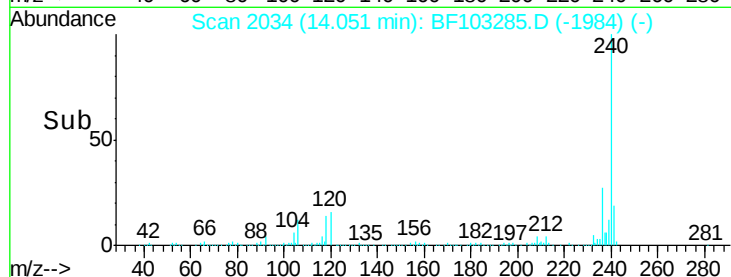
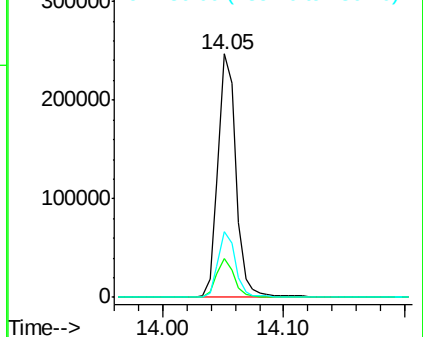
236 27.0 20.7 31.1



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: 82.96 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103285.D

Acq: 28 Feb 2018 2:02

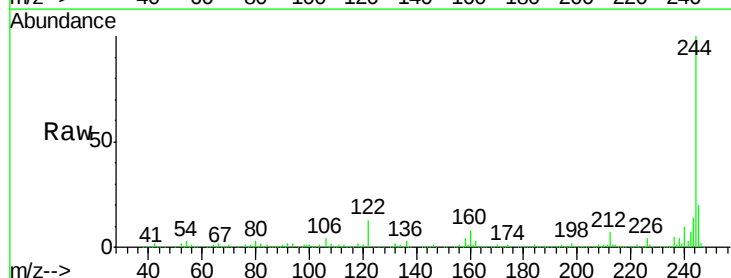
Tgt Ion:244 Resp: 878873

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

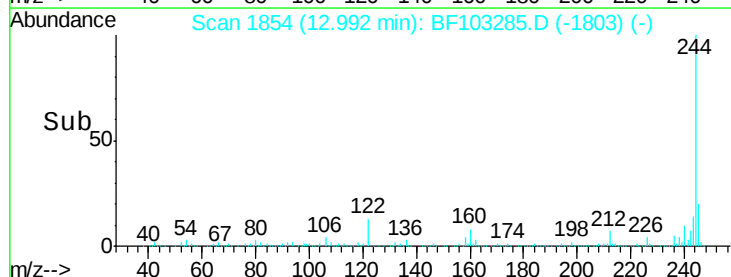
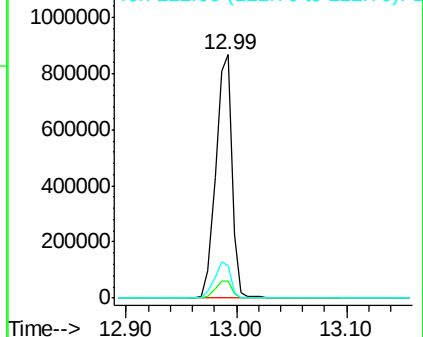
122 13.2 11.0 16.4

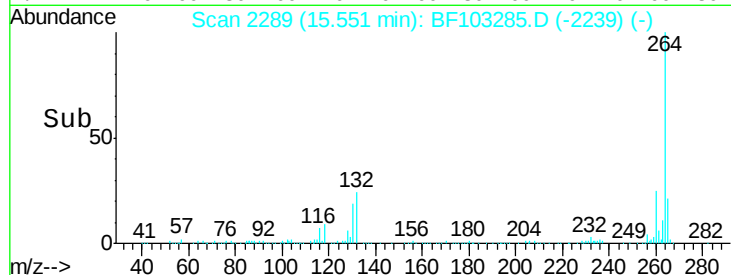
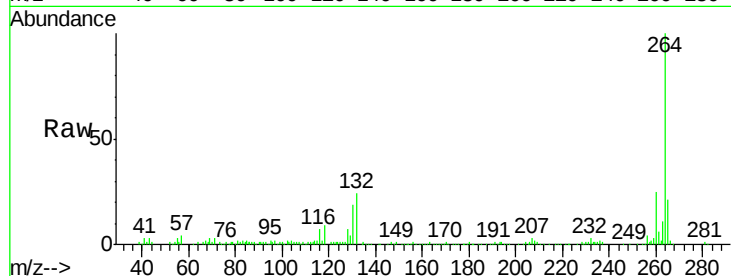
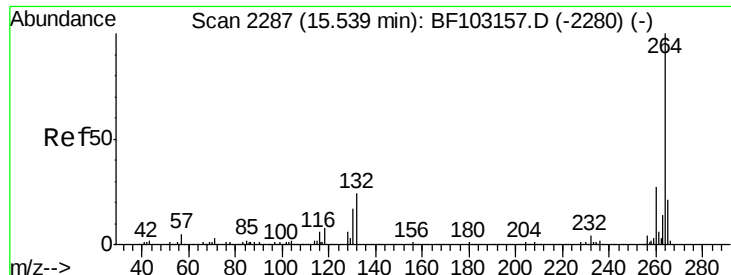


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.01 min
 Lab File: BF103285.D
 Acq: 28 Feb 2018 2:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	193098
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	20.9	17.5	26.3

