

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103287.D
 Acq On : 28 Feb 2018 2:55
 Operator : SJ/JU
 Sample : J1683-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 03:58:28 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

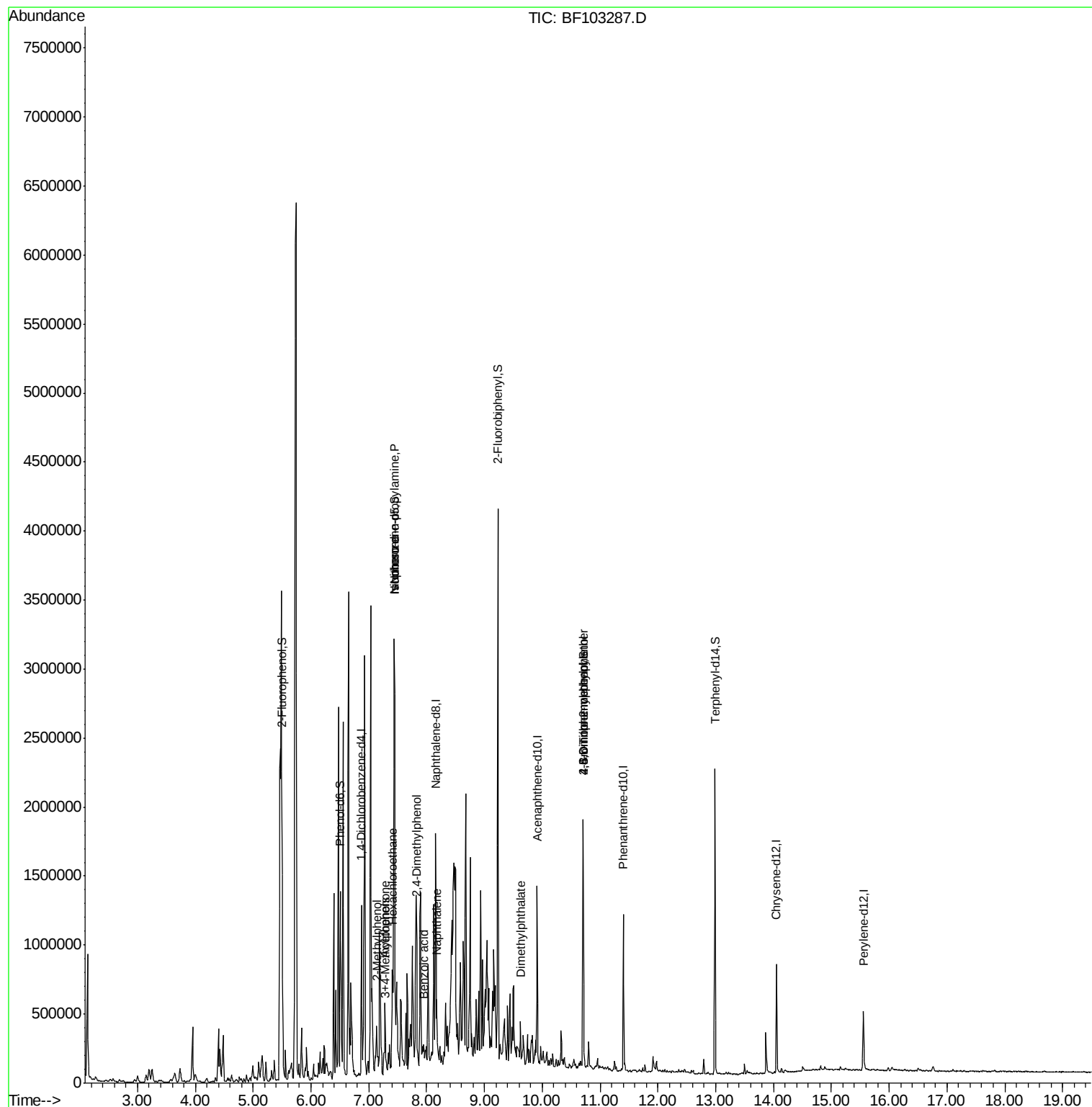
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	165683	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	647741	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	259756	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	360557	20.00	ng	0.00
75) Chrysene-d12	14.05	240	262665	20.00	ng	0.00
86) Perylene-d12	15.56	264	194659	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	591529	54.00	ng	0.00
7) Phenol-d6	6.51	99	479059	35.74	ng	0.00
23) Nitrobenzene-d5	7.44	82	895729	78.97	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	191003	86.87	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1248162	82.09	ng	0.00
78) Terphenyl-d14	12.99	244	759847	69.54	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	7.13	107	35693	3.45	ng	95
18) Hexachloroethane	7.40	117	24347	5.13	ng	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	131608	15.78	ng	# 88
20) 3+4-Methylphenols	7.29	107	26142	2.07	ng	# 80
22) Acetophenone	7.28	105	189437	12.53	ng	# 96
25) Isophorone	7.44	82	878722	39.34	ng	# 64
27) 2,4-Dimethylphenol	7.83	122	169468	18.86	ng	# 92
31) Naphthalene	8.18	128	134702	4.25	ng	99
32) Benzoic acid	7.95	122	11695	8.42	ng	# 39
49) Dimethylphthalate	9.62	163	79311	3.81	ng	98
64) 4,6-Dinitro-2-methylphenol	10.70	198	355	5.09	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	13166	3.51	ng	# 1

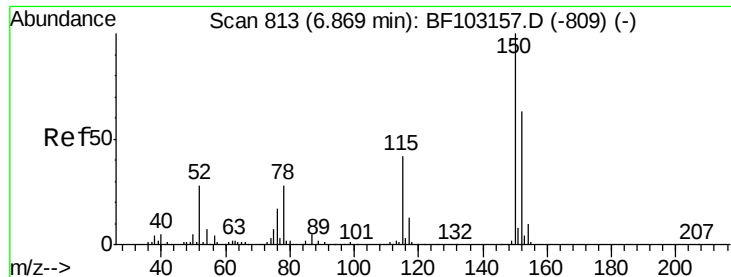
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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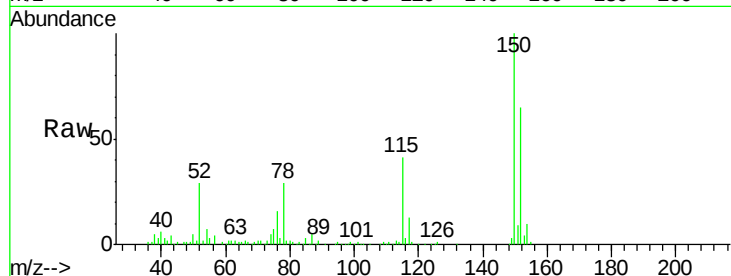


#1

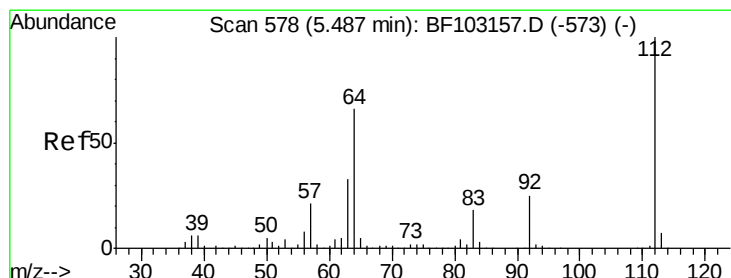
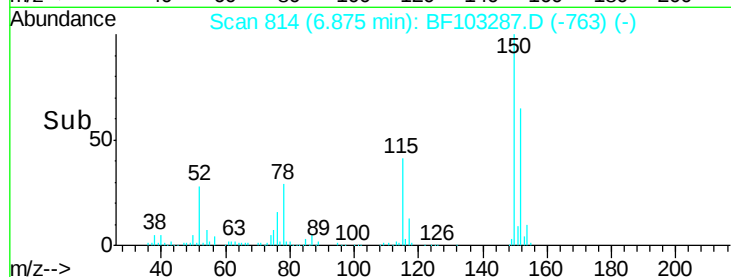
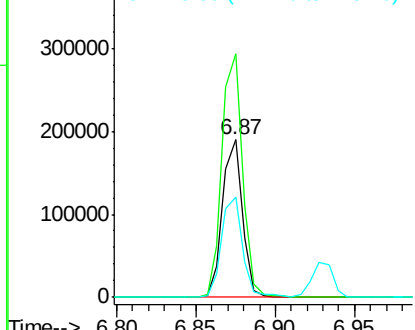
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103287.D
Acq: 28 Feb 2018 2:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	64.1	50.1	75.1



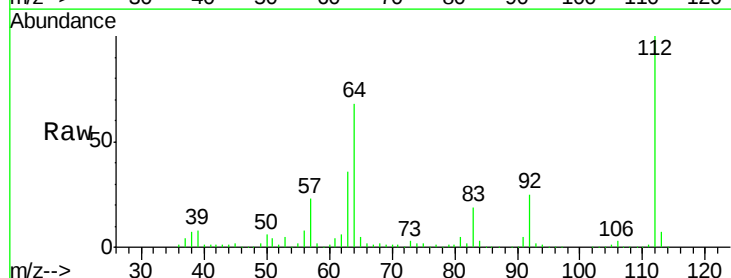
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



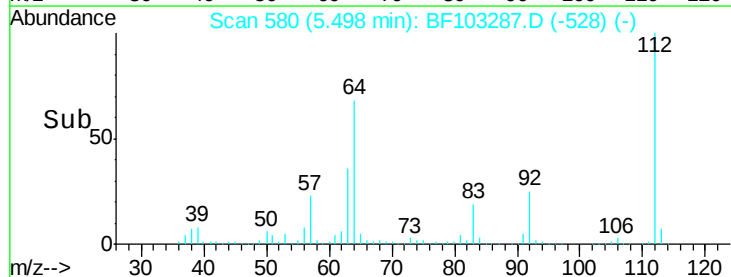
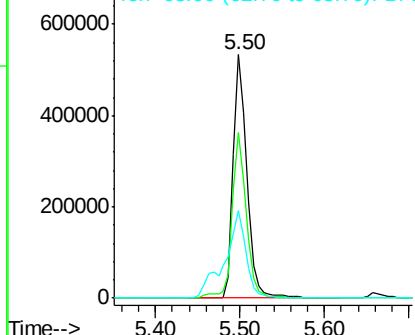
#5

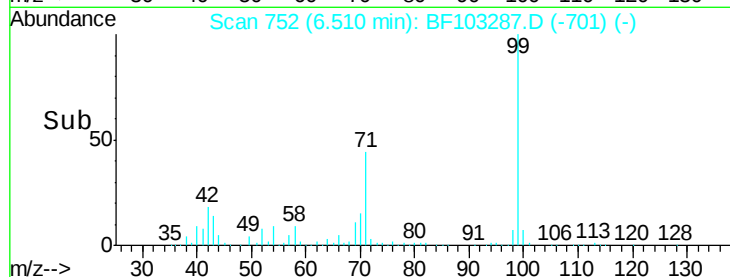
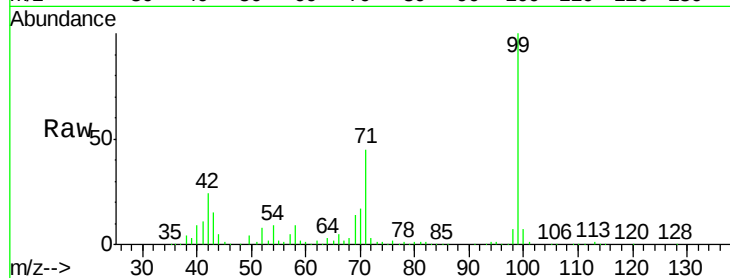
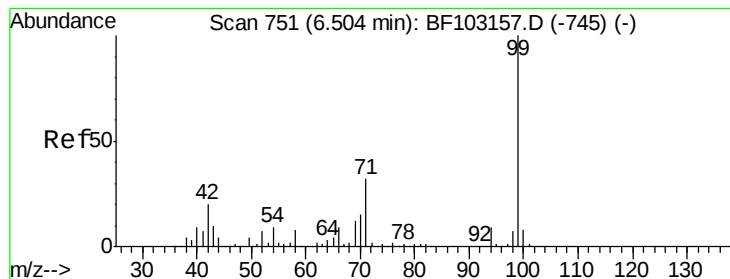
2-Fluorophenol
Concen: 54.00 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103287.D
Acq: 28 Feb 2018 2:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	47.9	71.9
63	36.1	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: 35.74 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Instrument :

BNA_F

ClientSampled :

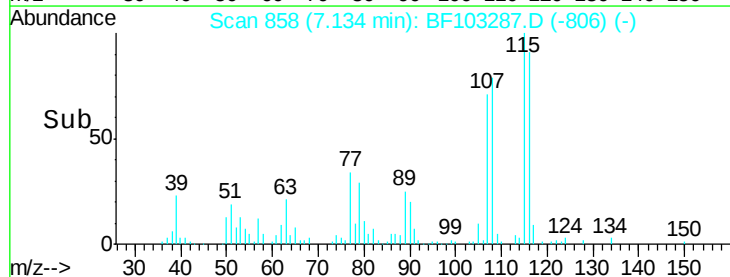
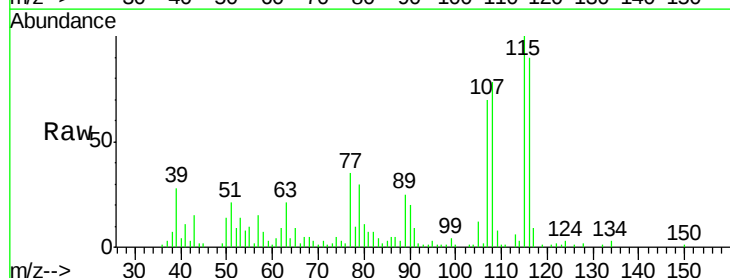
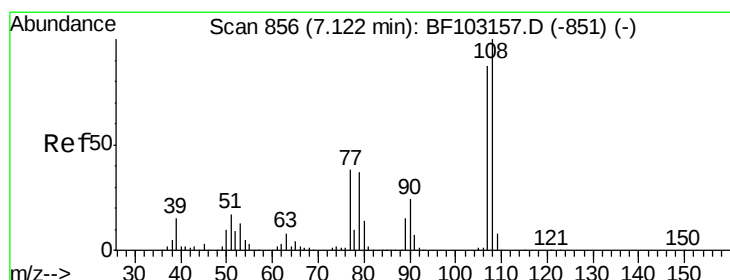
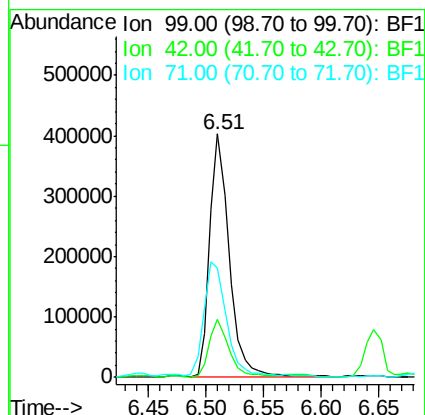
Tot Ion: 99 Resp: 479059

Ion Ratio Lower Upper

99 100

42 23.6 14.5 21.7#

71 44.9 25.4 38.0#



#17

2-Methylphenol

Concen: 3.45 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Tgt Ion: 107 Resp: 35693

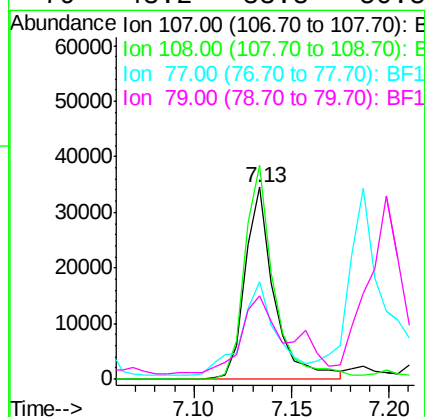
Ion Ratio Lower Upper

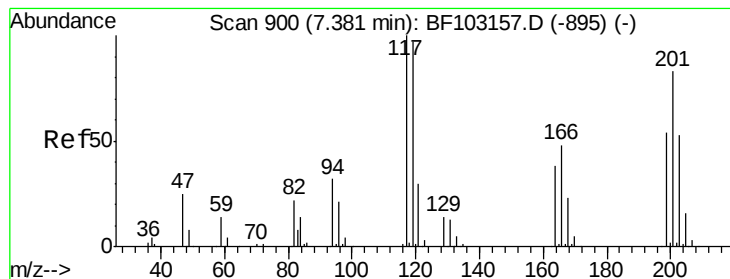
107 100

108 111.5 91.7 137.5

77 50.6 33.8 50.8

79 43.2 33.8 50.8





#18

Hexachloroethane

Concen: 5.13 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.02 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Instrument :

BNA_F

ClientSampled :

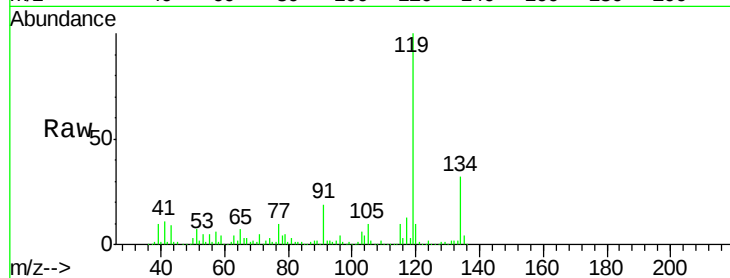
Tot Ion:117 Resp: 24347

Ion Ratio Lower Upper

117 100

119 776.2 75.8 113.8#

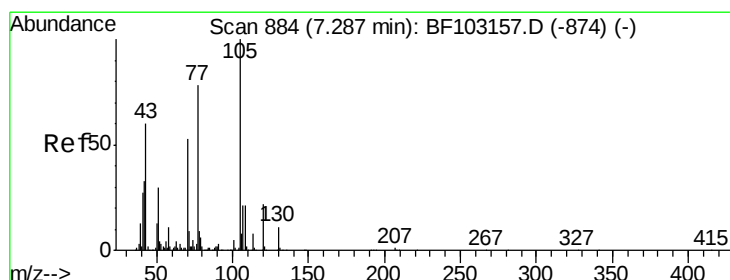
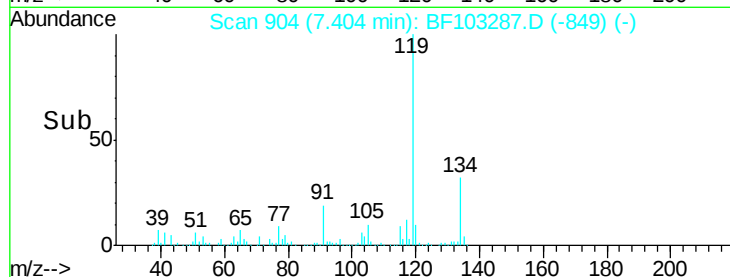
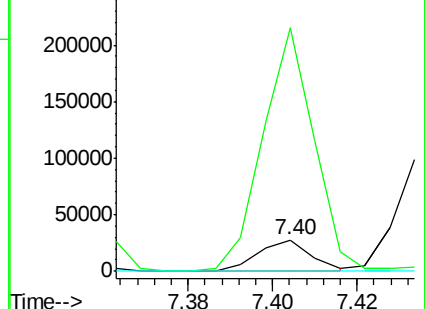
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 15.78 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Tgt Ion: 70 Resp: 131608

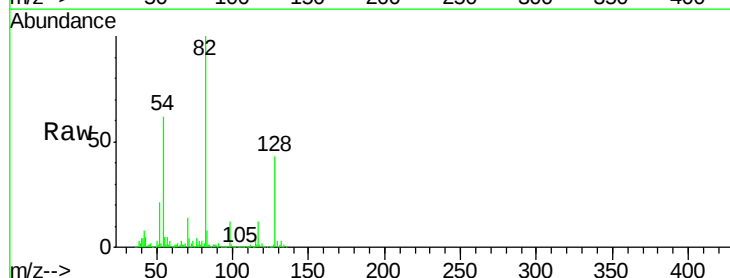
Ion Ratio Lower Upper

70 100

42 58.5 47.5 71.3

101 1.6 7.4 11.2#

130 2.7 16.6 25.0#

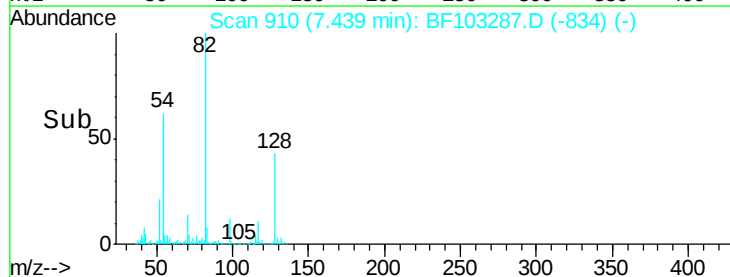
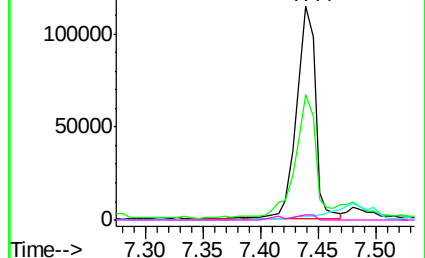


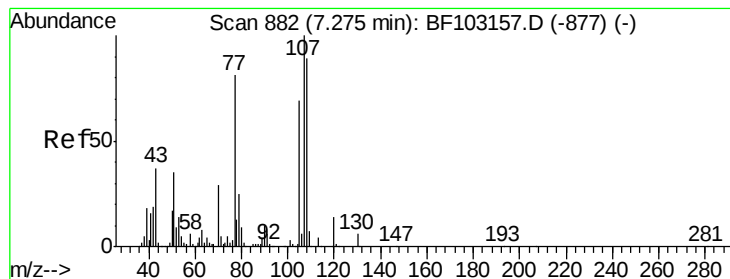
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 2.07 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.01 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 26142

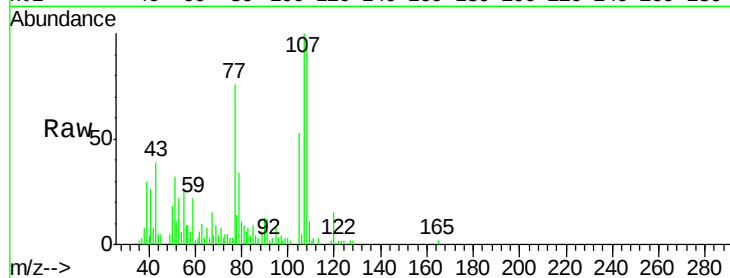
Ion Ratio Lower Upper

107 100

108 97.4 68.2 108.2

77 75.8 26.7 66.7#

79 33.6 6.3 46.3



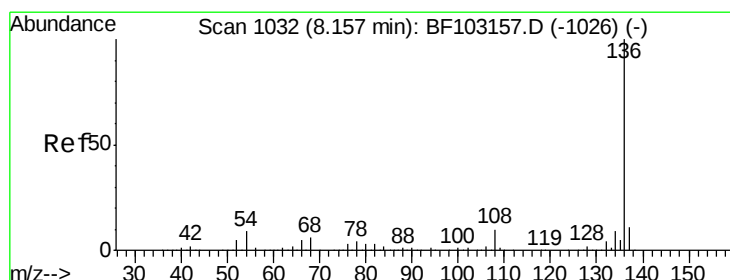
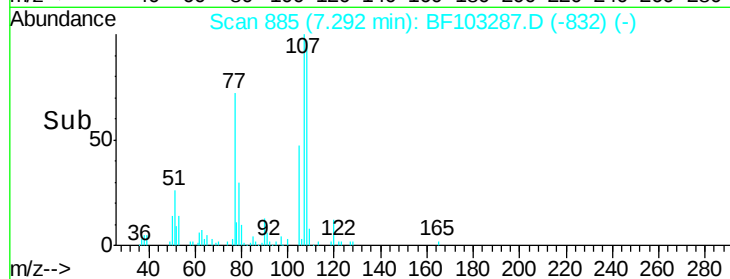
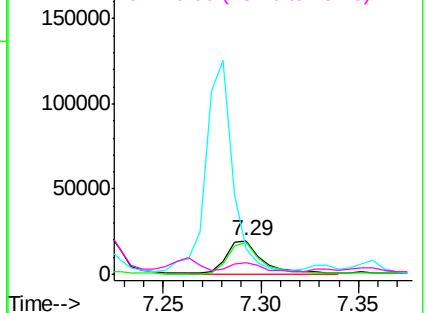
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Tgt Ion:136 Resp: 647741

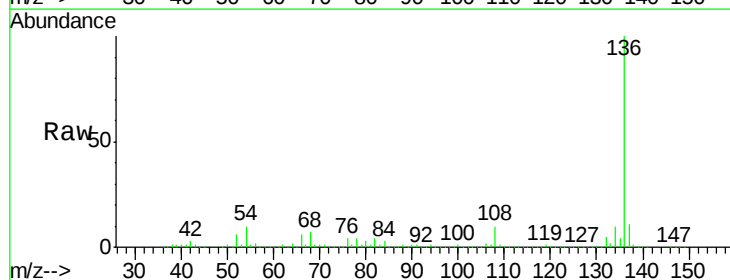
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.9 6.6 9.8#

68 6.7 5.0 7.4



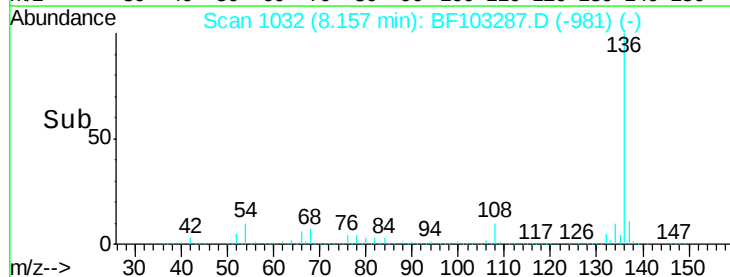
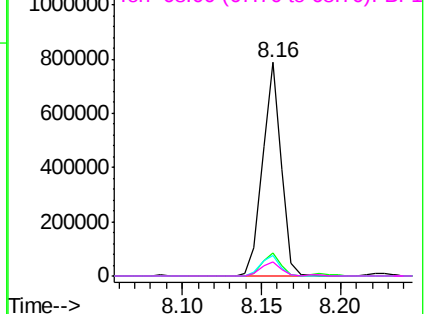
Abundance

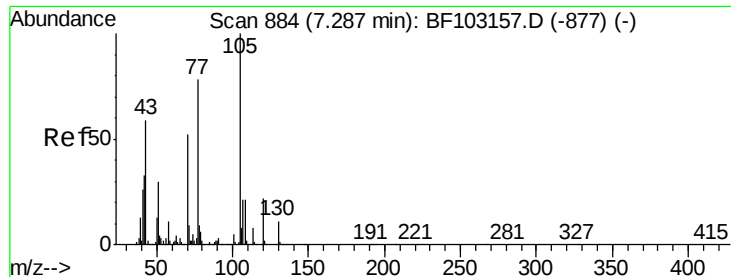
Ion 136.00 (135.70 to 136.70): E

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

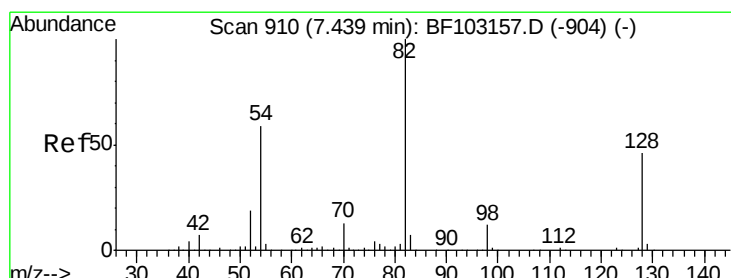
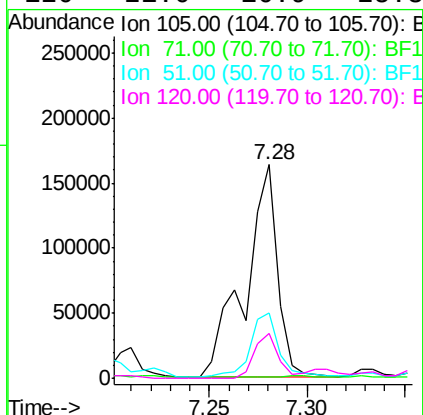
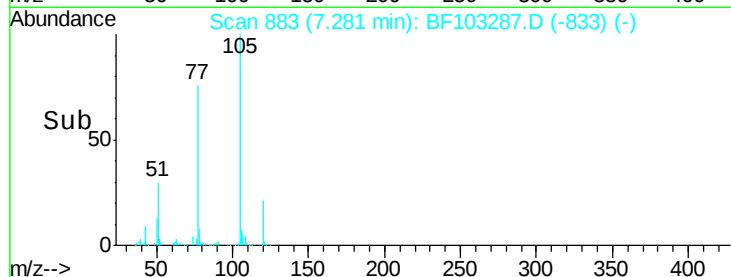
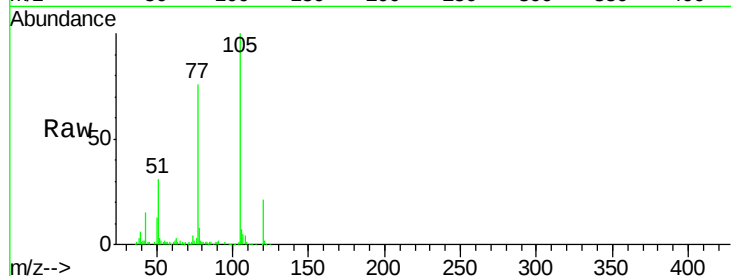




#22
Acetophenone
Concen: 12.53 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF103287.D
Acq: 28 Feb 2018 2:55

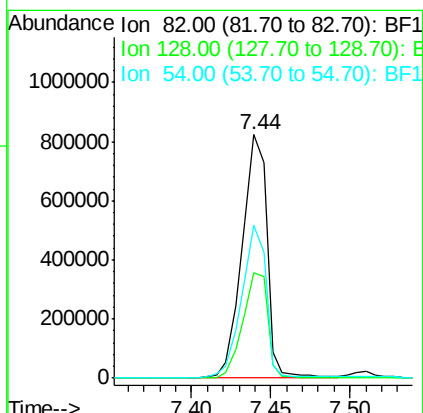
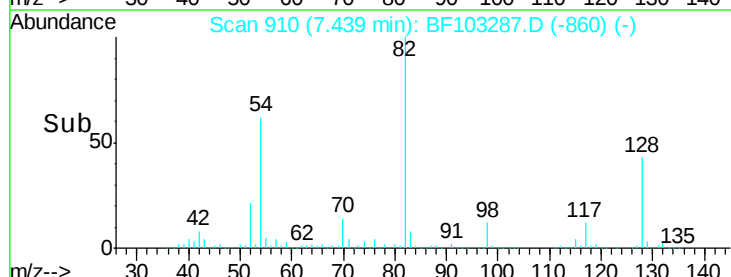
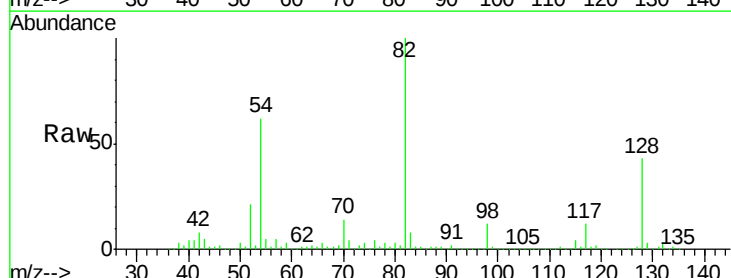
Instrument :
BNA_F
ClientSampleId :

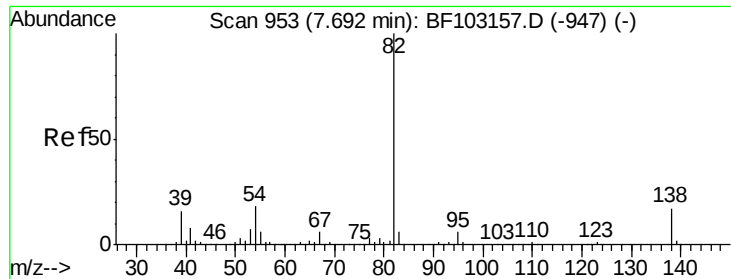
Tot Ion: 105 Resp: 189437
Ion Ratio Lower Upper
105 100
71 0.8 4.4 6.6#
51 30.5 22.3 33.5
120 21.0 16.9 25.3



#23
Nitrobenzene-d5
Concen: 78.97 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103287.D
Acq: 28 Feb 2018 2:55

Tgt Ion: 82 Resp: 895729
Ion Ratio Lower Upper
82 100
128 43.1 36.1 54.1
54 62.5 41.4 62.2#





#25

Isophorone

Concen: 39.34 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Instrument :

BNA_F

ClientSampleId :

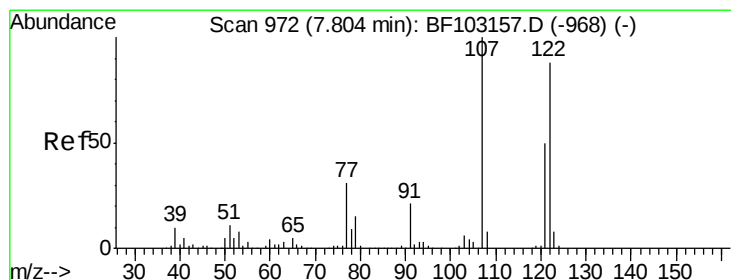
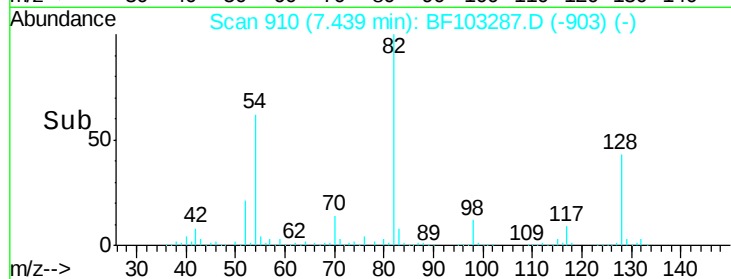
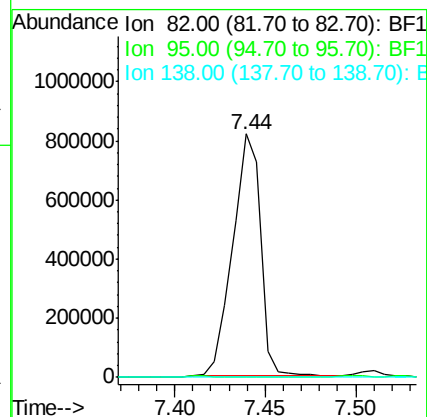
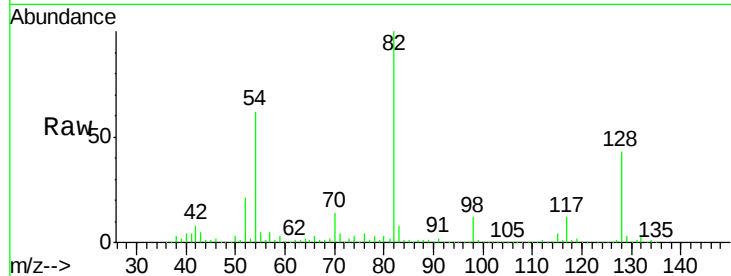
Tot Ion: 82 Resp: 878722

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 18.86 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.02 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

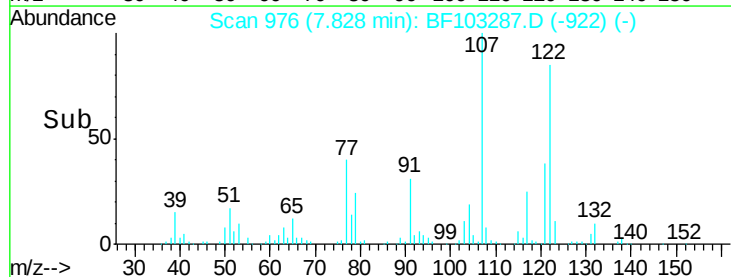
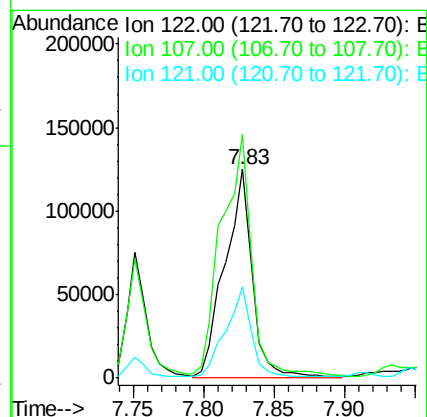
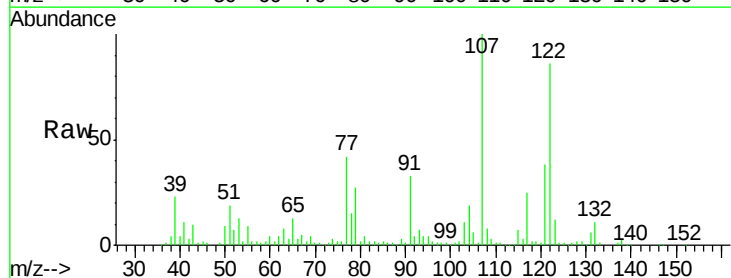
Tgt Ion: 122 Resp: 169468

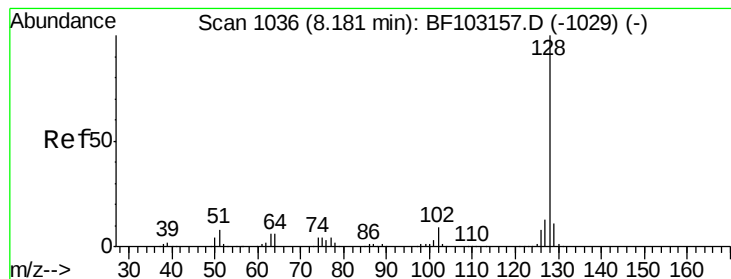
Ion Ratio Lower Upper

122 100

107 116.7 91.2 136.8

121 44.0 47.2 70.8#





#31

Naphthalene

Concen: 4.25 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Instrument :

BNA_F

ClientSampleId :

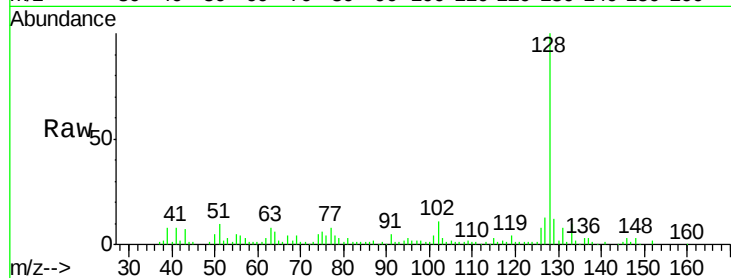
Tot Ion:128 Resp: 134702

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

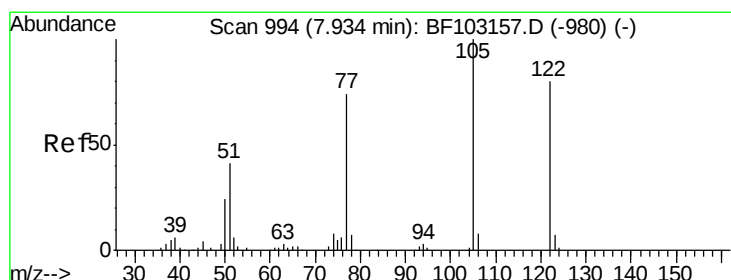
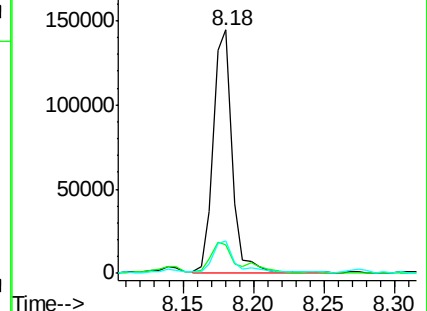
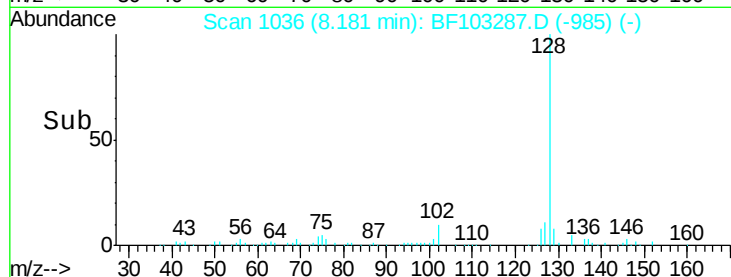
127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.42 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.01 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

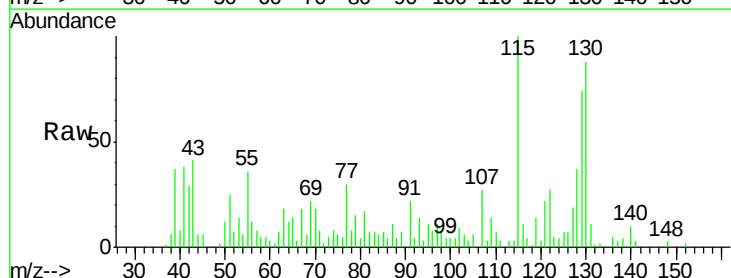
Tgt Ion:122 Resp: 11695

Ion Ratio Lower Upper

122 100

105 21.5 101.1 141.1#

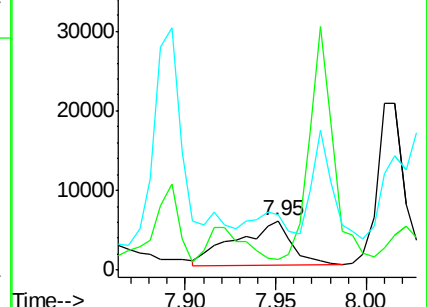
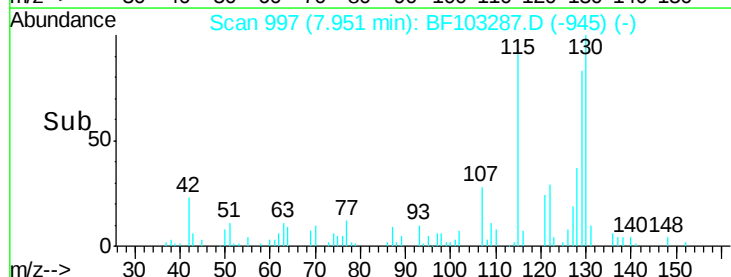
77 112.7 70.7 110.7#

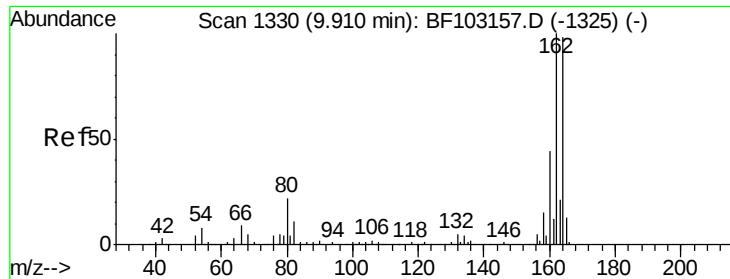


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

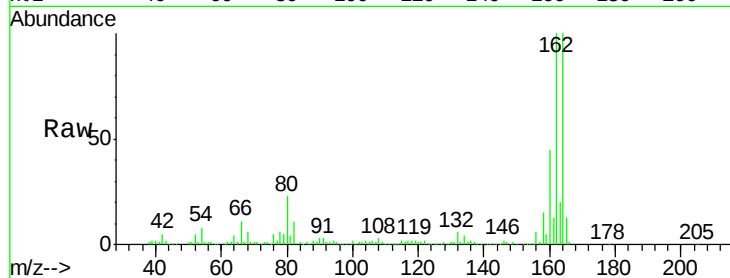




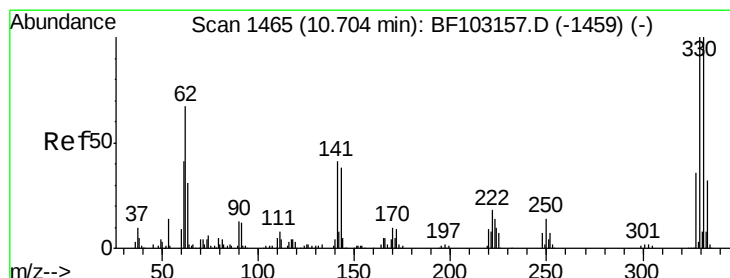
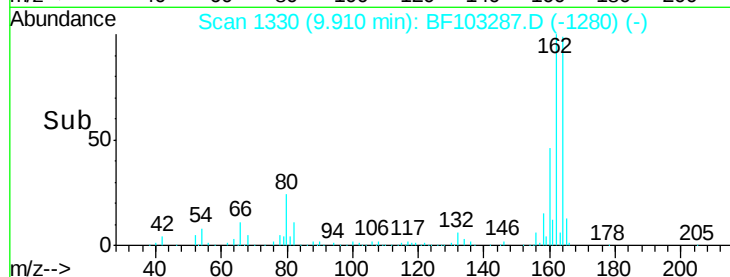
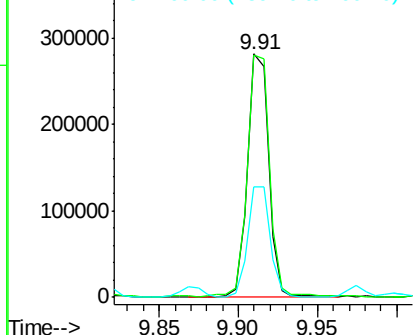
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103287.D
 Acq: 28 Feb 2018 2:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 259756
 Ion Ratio Lower Upper
 164 100
 162 99.7 86.1 129.1
 160 45.3 38.3 57.5

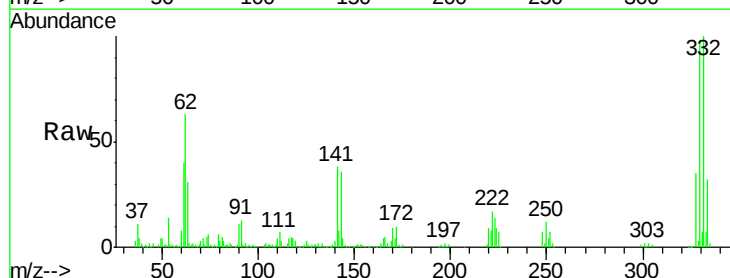


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

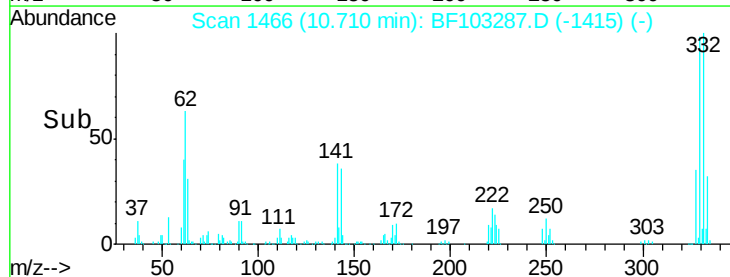
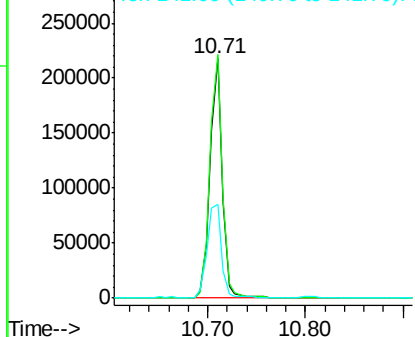


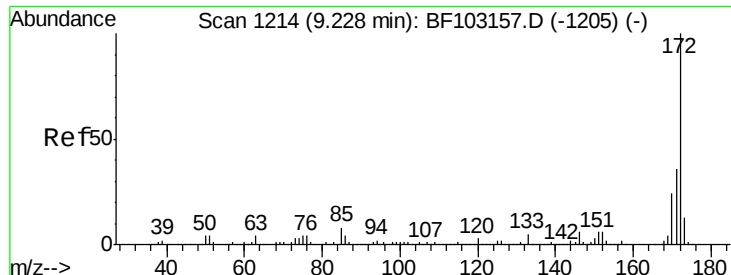
#41
 2,4,6-Tribromophenol
 Concen: 86.87 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103287.D
 Acq: 28 Feb 2018 2:55

Tgt Ion:330 Resp: 191003
 Ion Ratio Lower Upper
 330 100
 332 103.4 77.0 115.6
 141 45.5 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



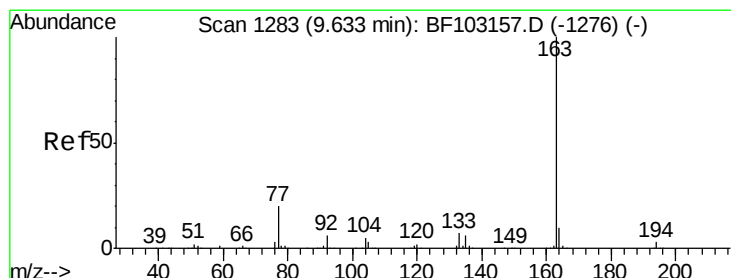
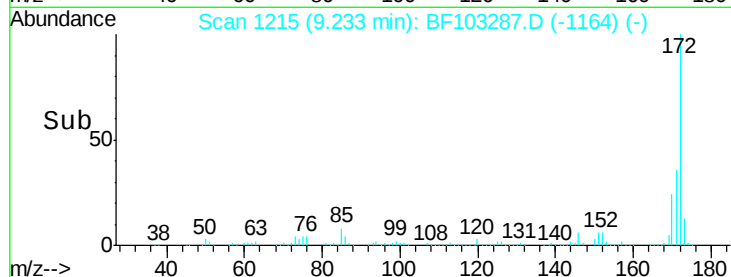
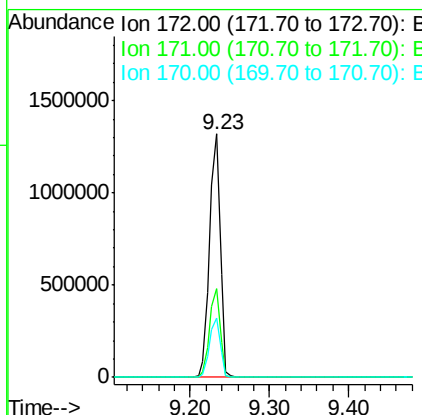
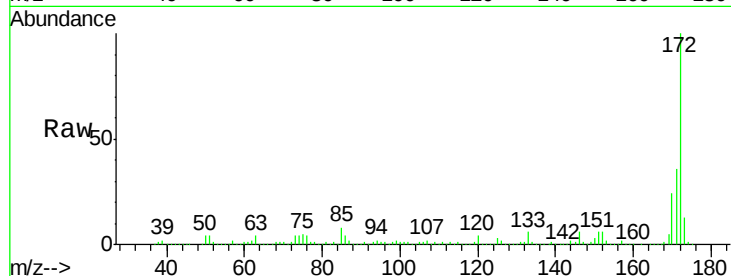


#44
 2-Fluorobiphenyl
 Concen: 82.09 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103287.D
 Acq: 28 Feb 2018 2:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1248162

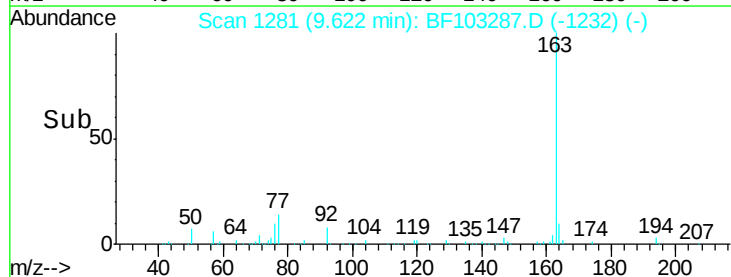
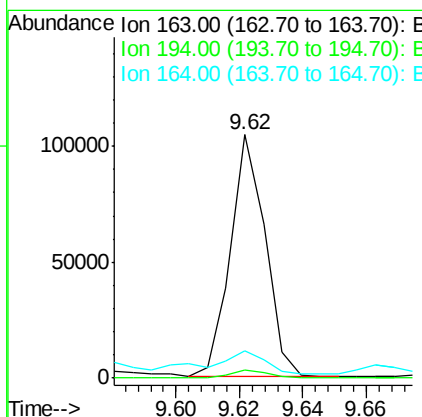
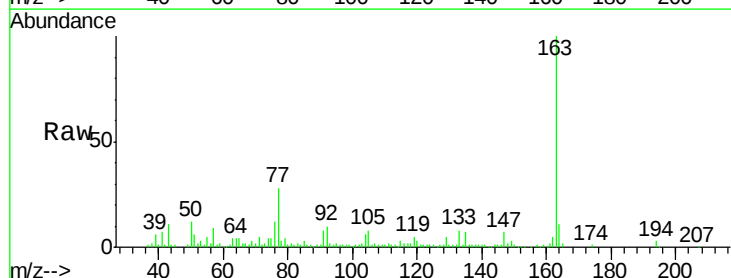
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4

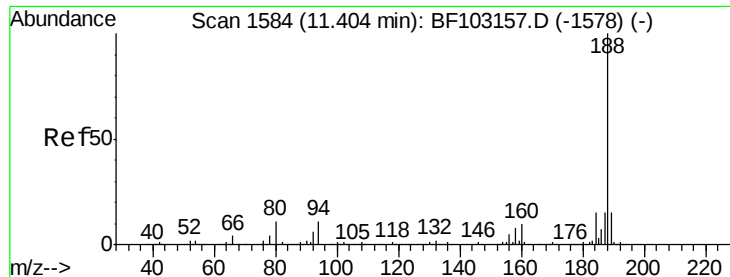


#49
 Dimethylphthalate
 Concen: 3.81 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF103287.D
 Acq: 28 Feb 2018 2:55

Tgt Ion:163 Resp: 79311

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	11.2	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Instrument :

BNA_F

ClientSampled :

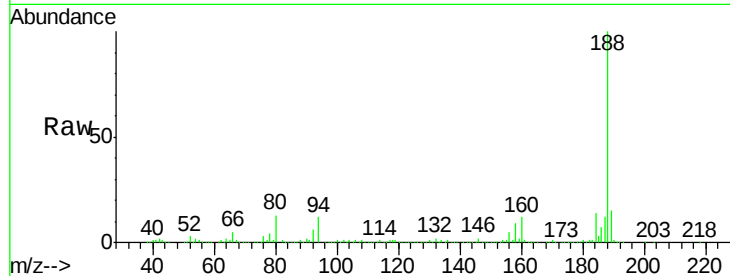
Tot Ion:188 Resp: 360557

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

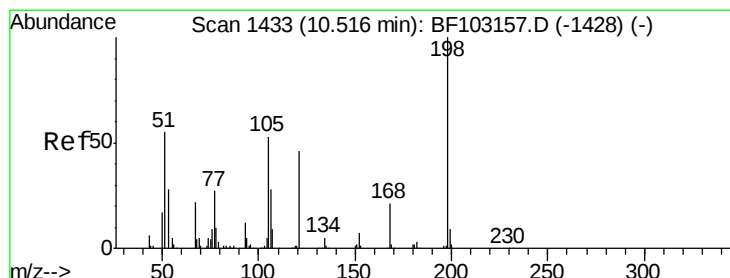
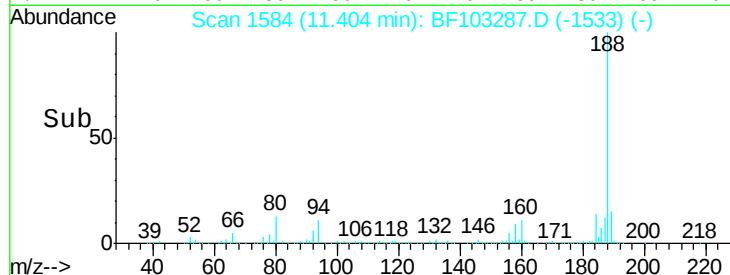
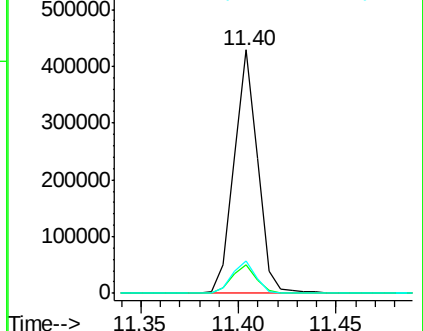
80 13.3 9.2 13.8



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: 5.09 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

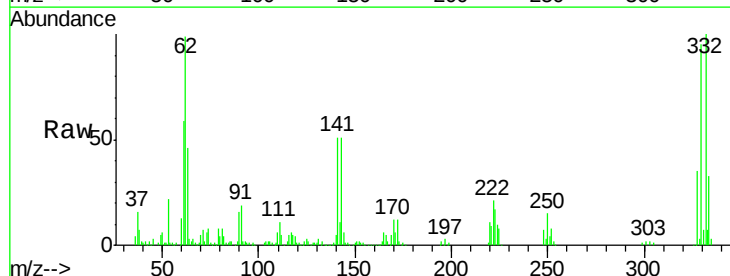
Tgt Ion:198 Resp: 355

Ion Ratio Lower Upper

198 100

51 279.4 37.7 77.7#

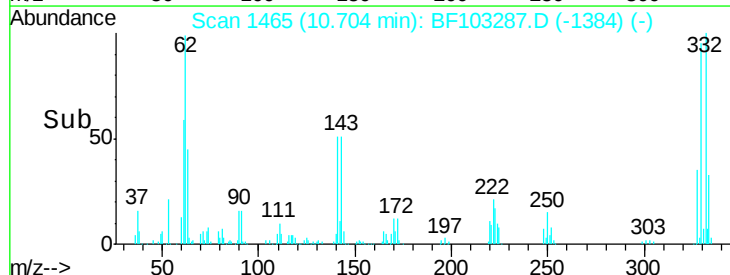
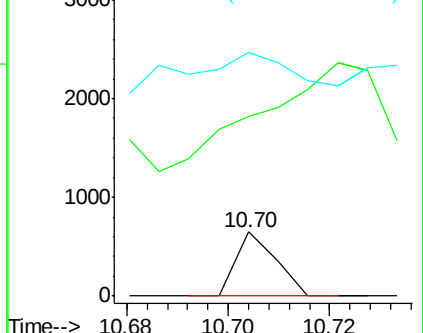
105 379.7 36.3 76.3#

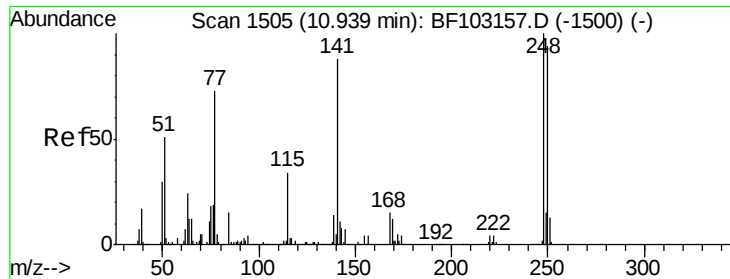


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

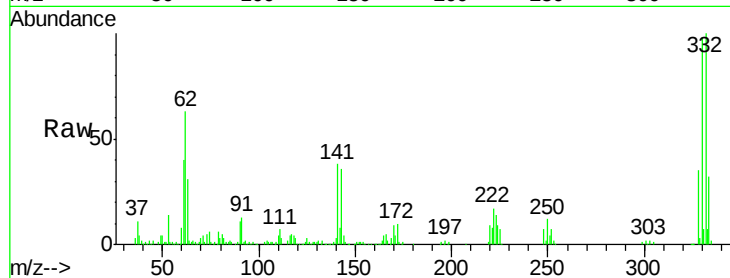




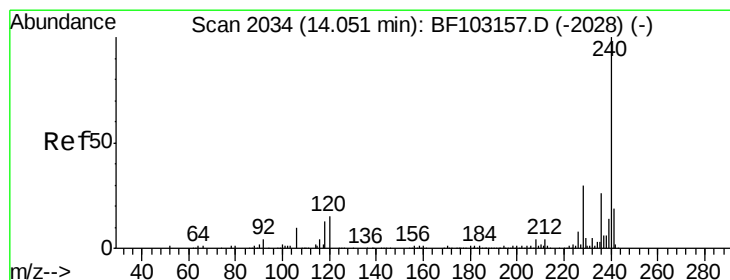
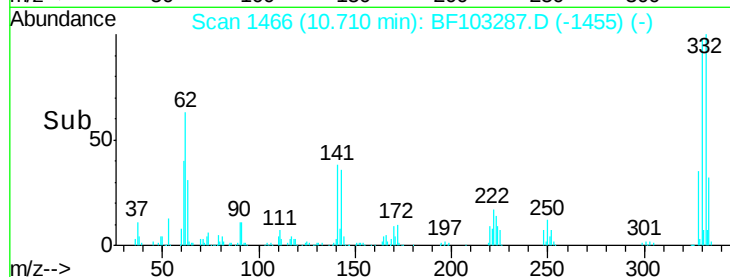
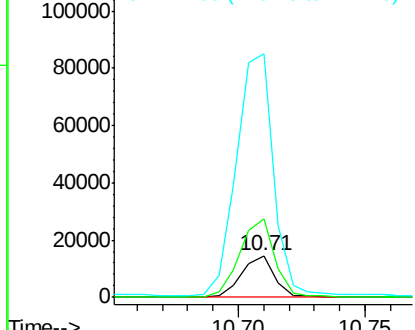
#66
4-Bromophenyl-phenylether
Concen: 3.51 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103287.D
Acq: 28 Feb 2018 2:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13166
Ion Ratio Lower Upper
248 100
250 188.7 76.9 115.3#
141 580.8 74.4 111.6#

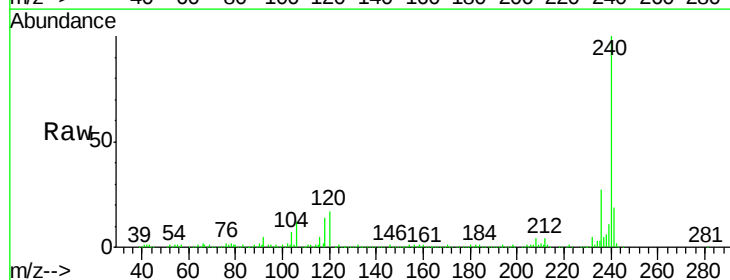


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

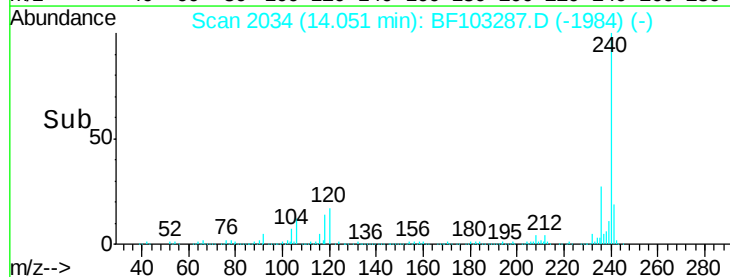
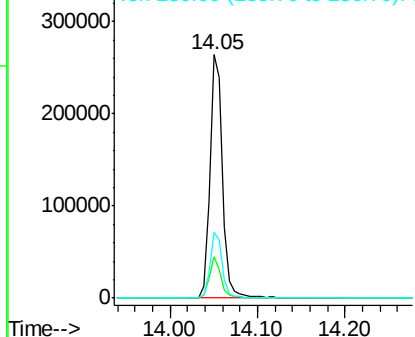


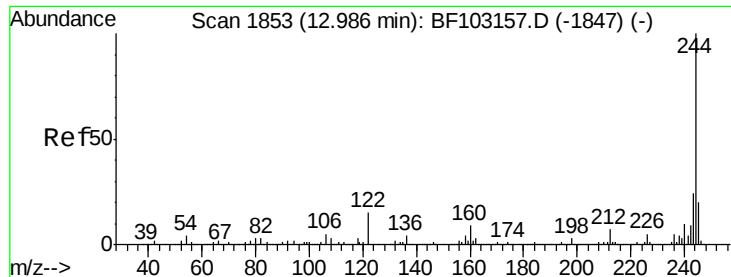
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103287.D
Acq: 28 Feb 2018 2:55

Tgt Ion:240 Resp: 262665
Ion Ratio Lower Upper
240 100
120 16.9 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: 69.54 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

Instrument :

BNA_F

ClientSampleId :

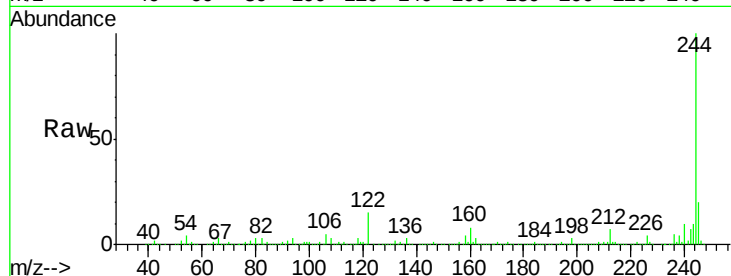
Tot Ion:244 Resp: 759847

Ion Ratio Lower Upper

244 100

212 6.8 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

12.99

800000

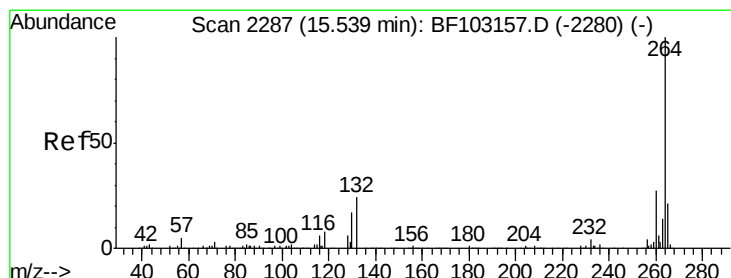
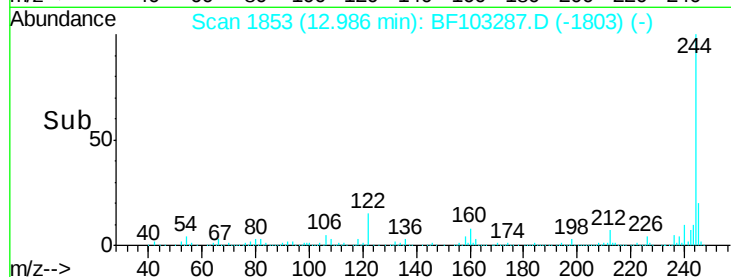
600000

400000

200000

0

Time--> 12.90 13.00 13.10



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BF103287.D

Acq: 28 Feb 2018 2:55

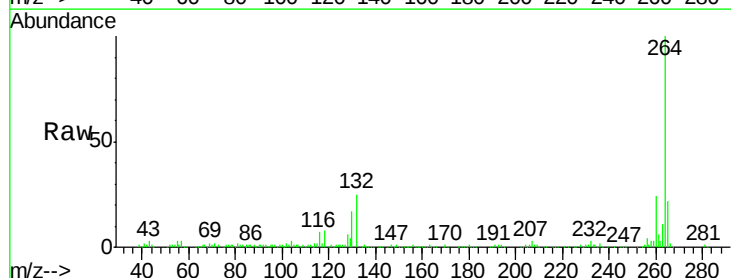
Tgt Ion:264 Resp: 194659

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.1 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

15.56

200000

150000

100000

50000

0

Time--> 15.50 15.60 15.70

