

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102458.D
 Acq On : 26 Jan 2018 8:21
 Operator : SJ/JU
 Sample : J1236-04DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20A-5DL

Quant Time: Jan 26 12:13:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

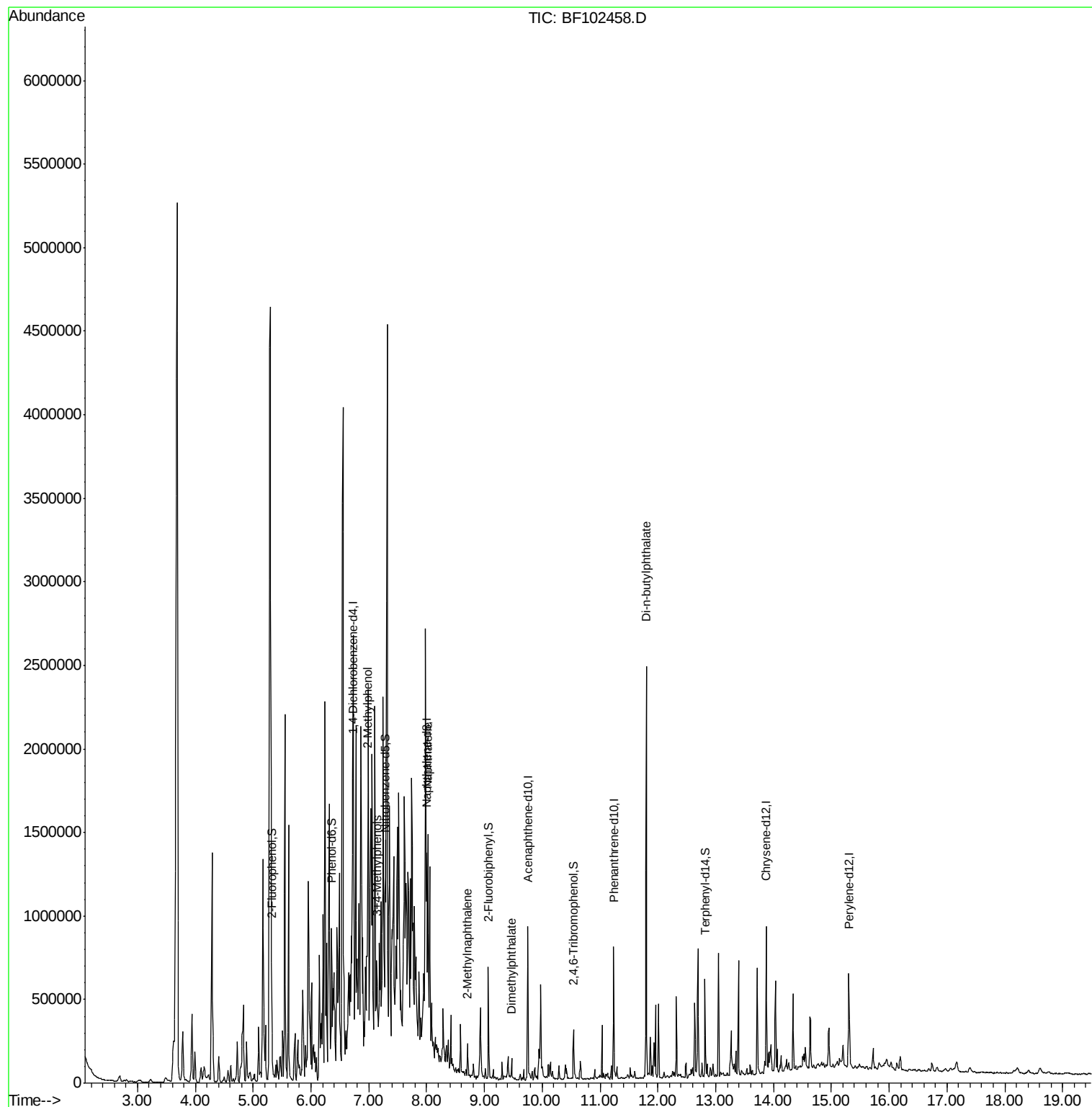
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	114140	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	437651	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	173715	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	280786	20.00	ng	0.00
75) Chrysene-d12	13.87	240	278795	20.00	ng	0.00
86) Perylene-d12	15.30	264	221551	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	185804	24.68	ng	0.00
7) Phenol-d6	6.35	99	210176	23.16	ng	-0.02
23) Nitrobenzene-d5	7.28	82	127922	16.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	32399	18.82	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	206799	17.50	ng	-0.01
78) Terphenyl-d14	12.82	244	181264	14.66	ng	-0.01
Target Compounds						
17) 2-Methylphenol	6.98	107	21191	3.092	ng	# 73
20) 3+4-Methylphenols	7.13	107	30556	3.791	ng	# 89
31) Naphthalene	8.02	128	342795	15.688	ng	99
37) 2-Methylnaphthalene	8.71	142	55571	3.819	ng	97
49) Dimethylphthalate	9.47	163	30235	2.106	ng	98
73) Di-n-butylphthalate	11.80	149	1259789	61.859	ng	100

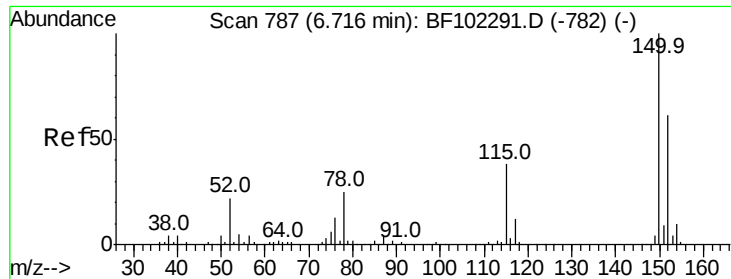
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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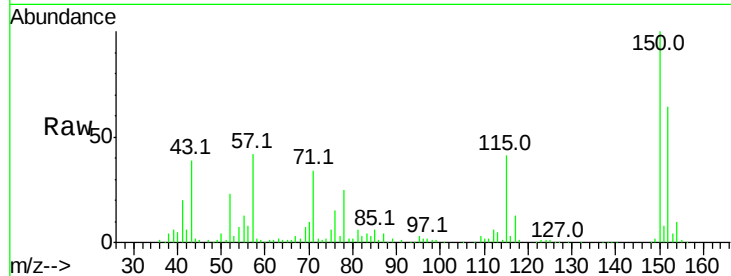


#1

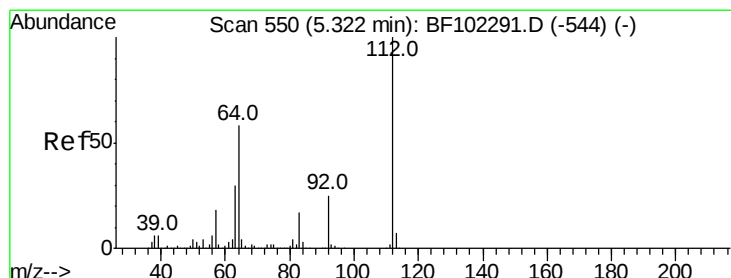
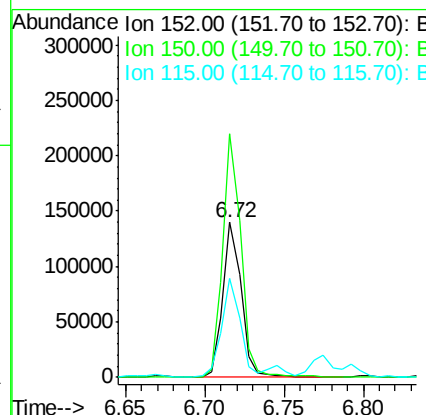
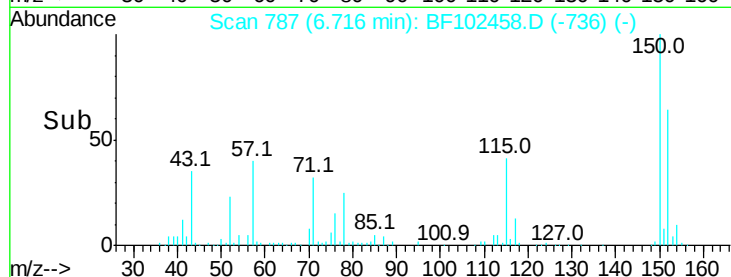
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Instrument :
BNA_F
ClientSampleId :
20A-5DL

Tot Ion:152 Resp: 114140
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 64.4 50.1 75.1



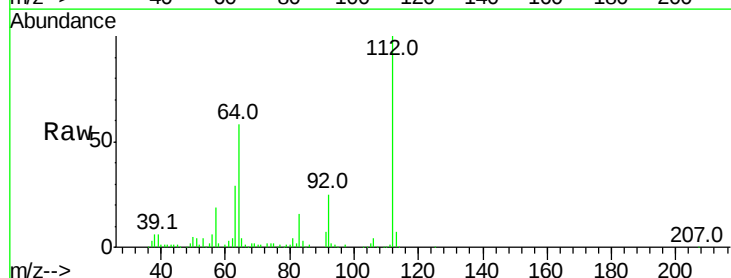
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



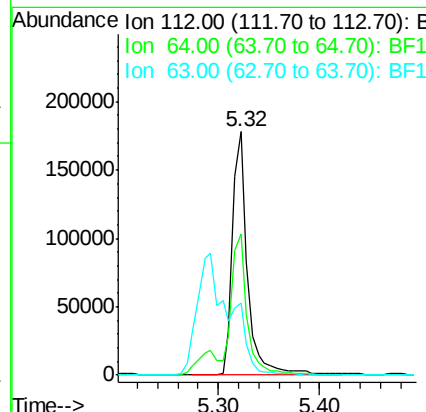
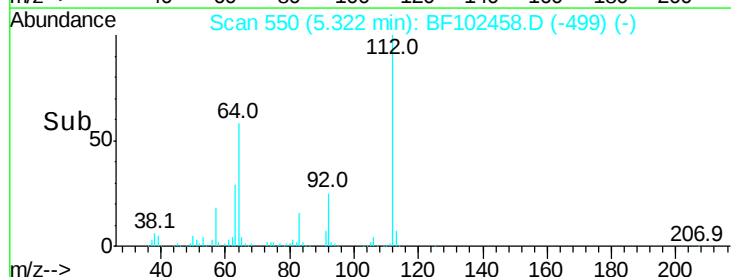
#5

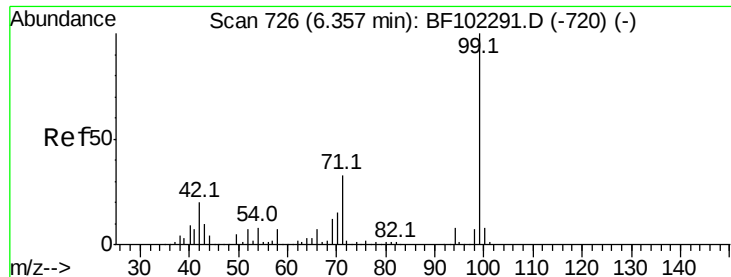
2-Fluorophenol
Concen: 24.683 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Tgt Ion:112 Resp: 185804
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 29.4 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: 23.159 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

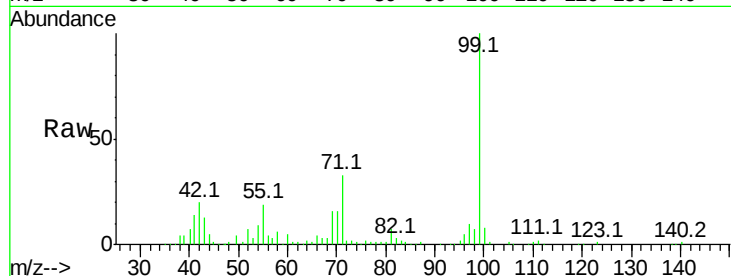
Tot Ion: 99 Resp: 210176

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 33.1 25.4 38.0

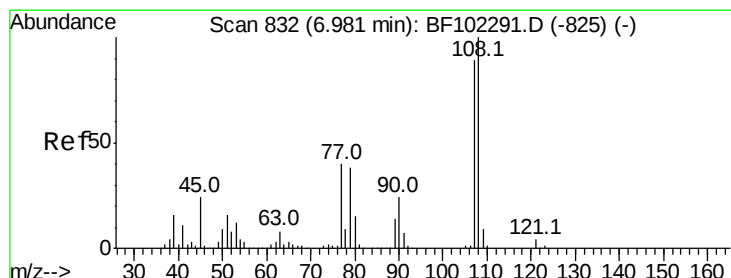
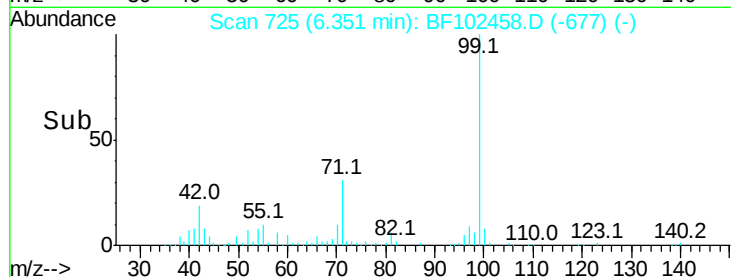
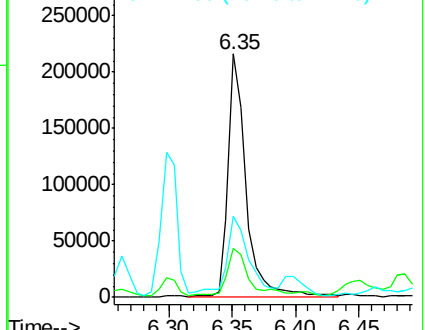


Abundance

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



#17

2-Methylphenol

Concen: 3.092 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Tgt Ion: 107 Resp: 21191

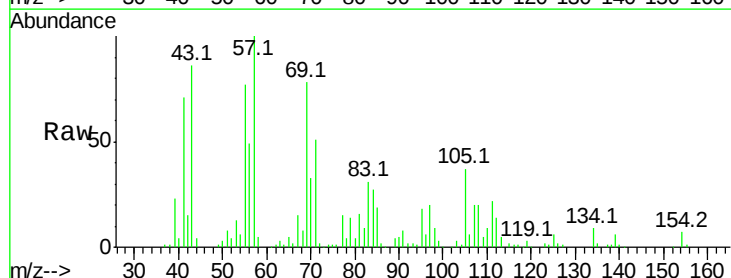
Ion Ratio Lower Upper

107 100

108 98.5 91.7 137.5

77 72.6 33.8 50.8#

79 67.5 33.8 50.8#



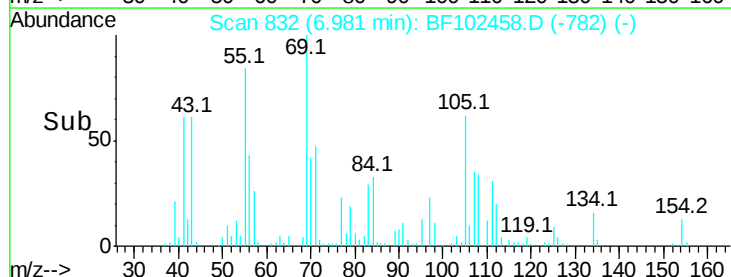
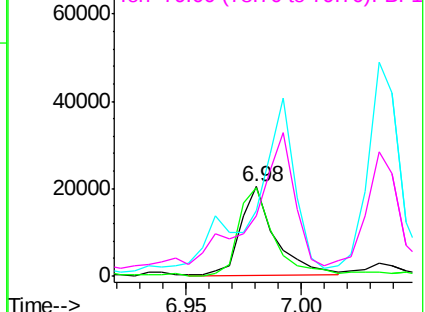
Abundance

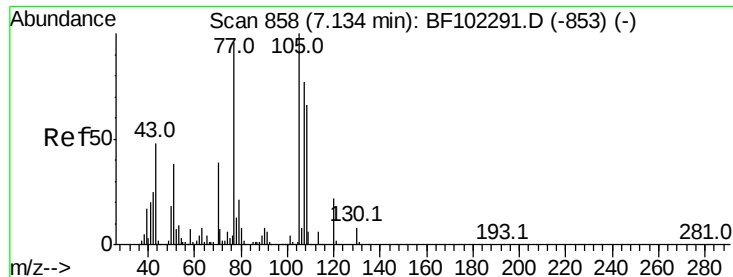
Ion 107.00 (106.70 to 107.70): E

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





#20

3+4-Methylphenols

Concen: 3.791 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

Tot Ion:107 Resp: 30556

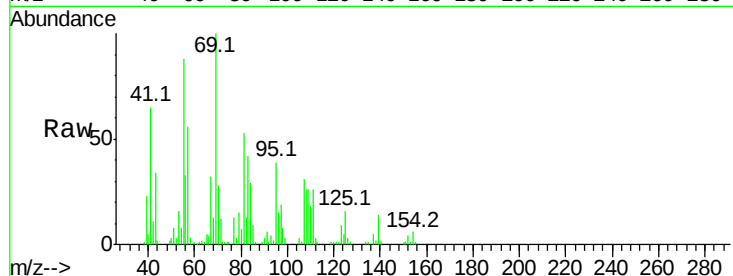
Ion Ratio Lower Upper

107 100

108 84.2 68.2 108.2

77 42.7 26.7 66.7

79 47.3 6.3 46.3#

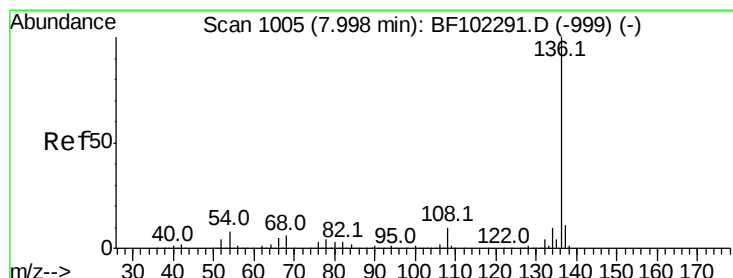
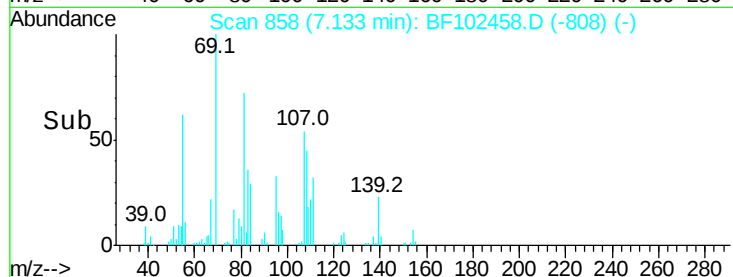
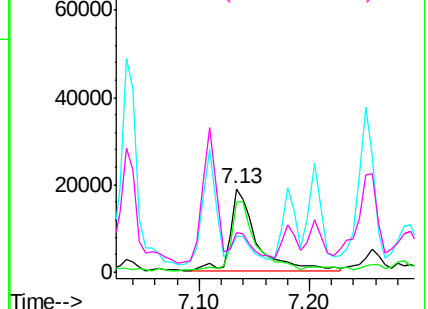


Abundance Ion 107.00 (106.70 to 107.70): E

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: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Tgt Ion:136 Resp: 437651

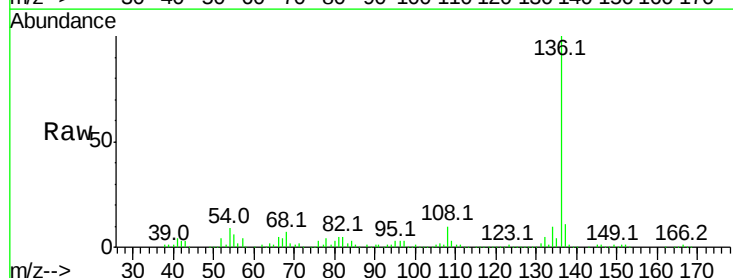
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.0 6.6 9.8

68 6.5 5.0 7.4

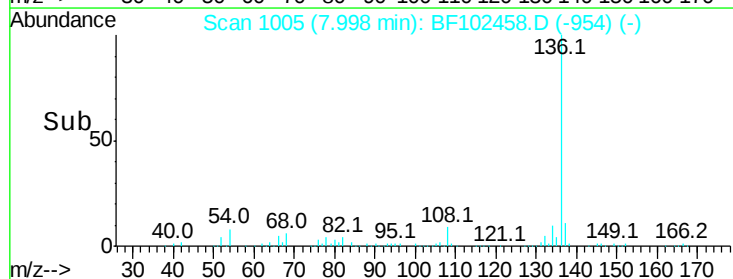
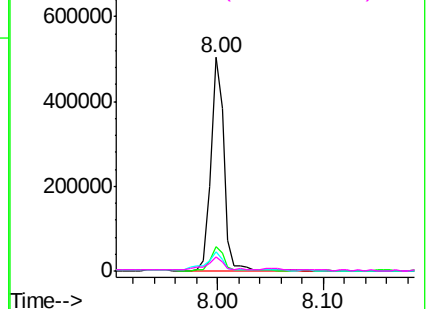


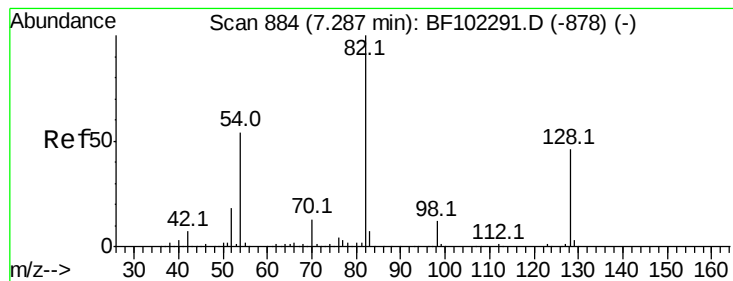
Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.797 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

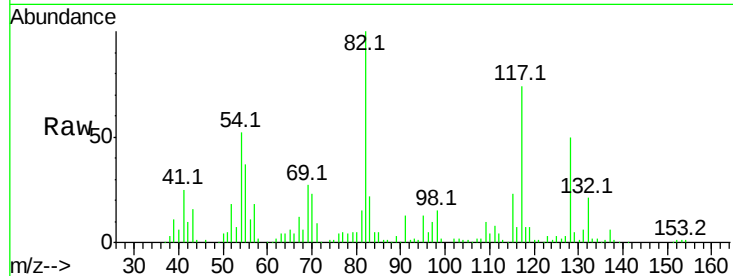
Tot Ion: 82 Resp: 127922

Ion Ratio Lower Upper

82 100

128 50.3 36.1 54.1

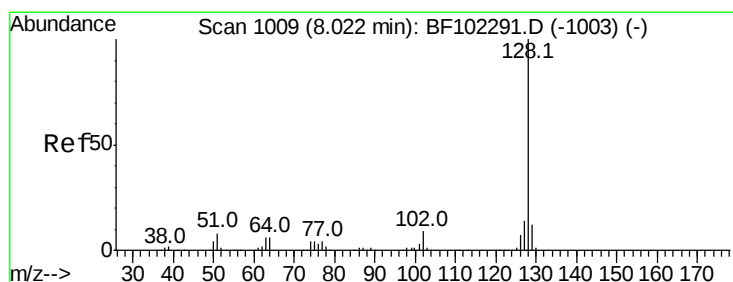
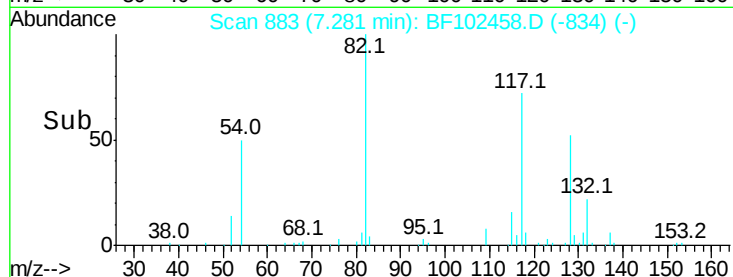
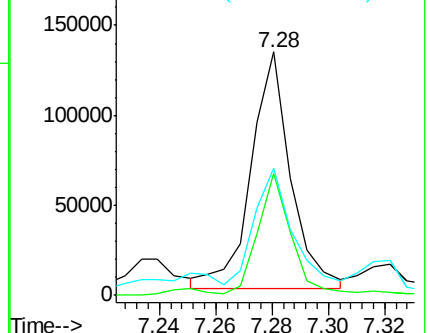
54 52.4 41.4 62.2



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



#31

Naphthalene

Concen: 15.688 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

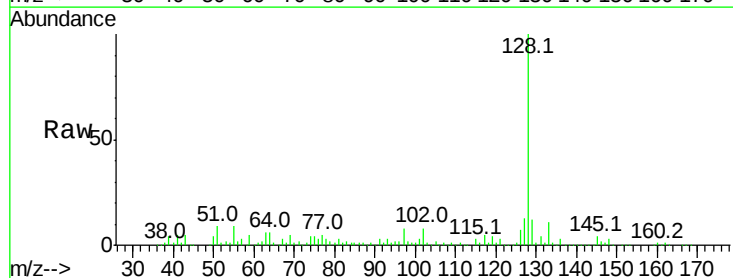
Tgt Ion: 128 Resp: 342795

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

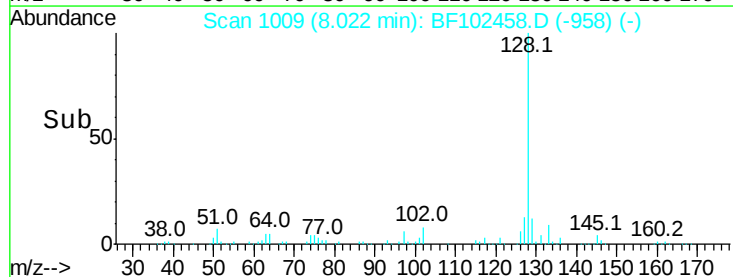
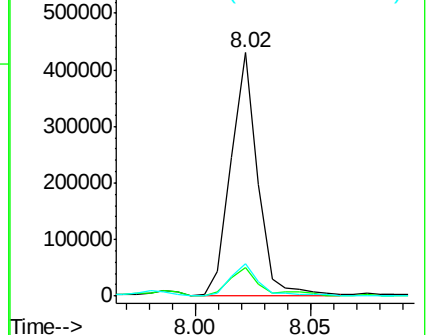
127 13.4 10.9 16.3

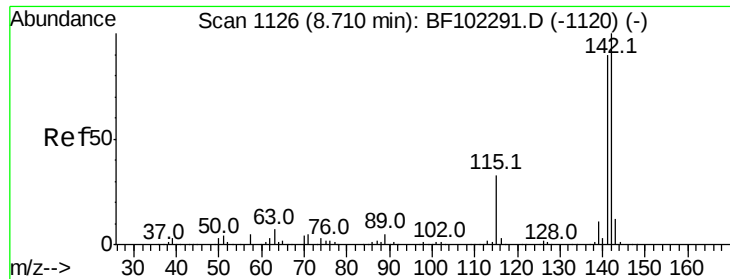


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

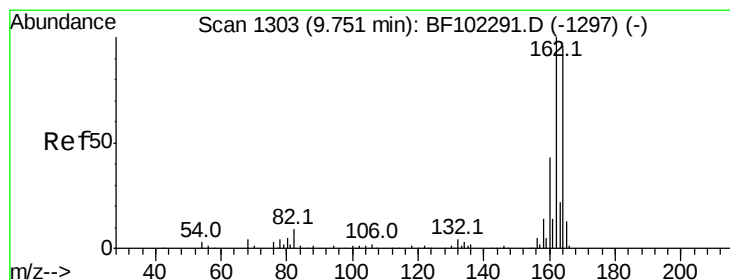
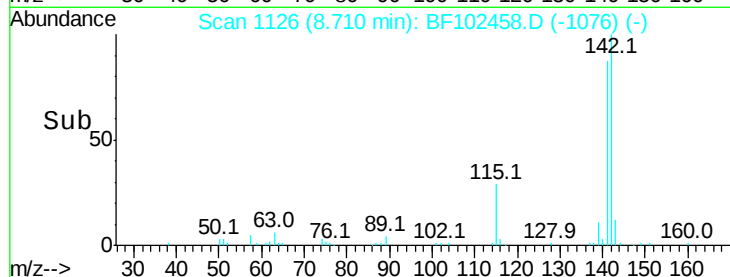
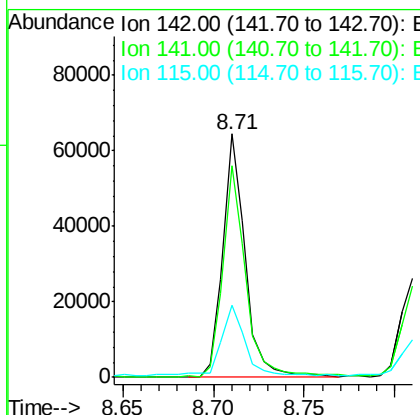
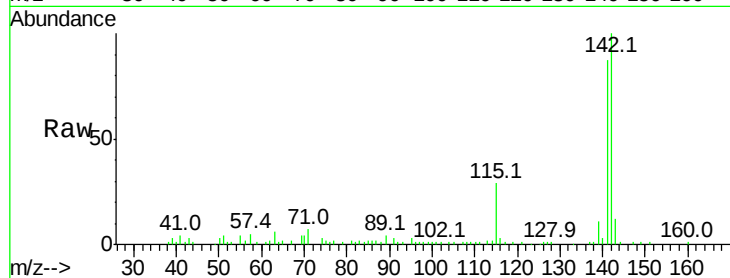




#37
 2-Methylnaphthalene
 Concen: 3.819 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

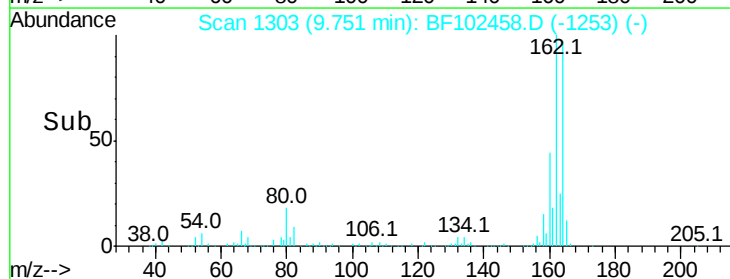
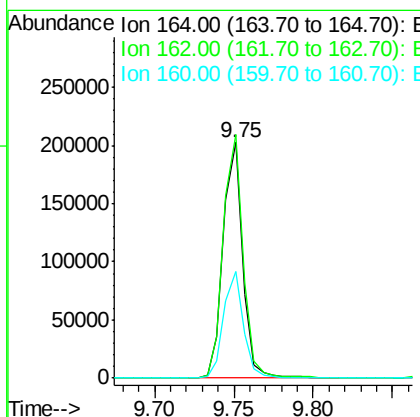
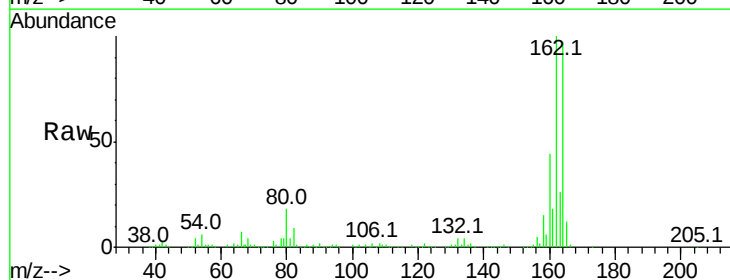
Instrument :
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 20A-5DL

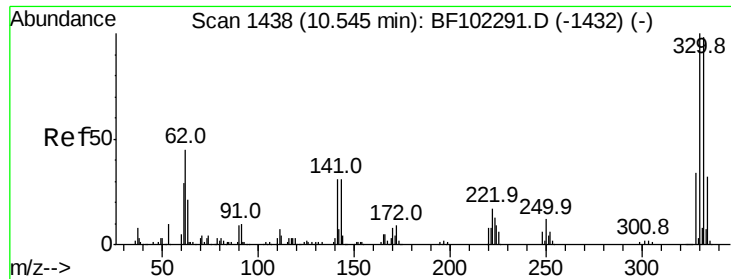
Tot Ion:142 Resp: 55571
 Ion Ratio Lower Upper
 142 100
 141 86.8 70.8 106.2
 115 29.5 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

Tgt Ion:164 Resp: 173715
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 45.4 38.3 57.5

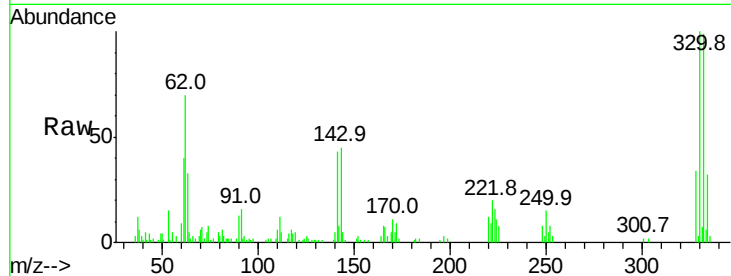




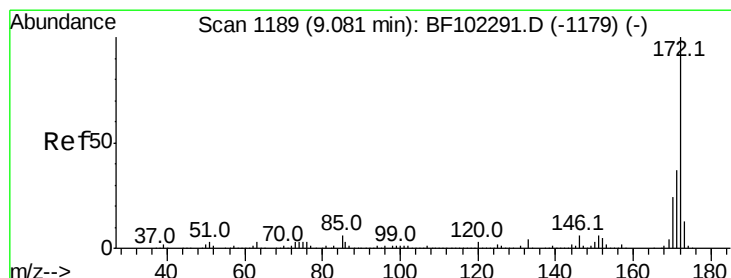
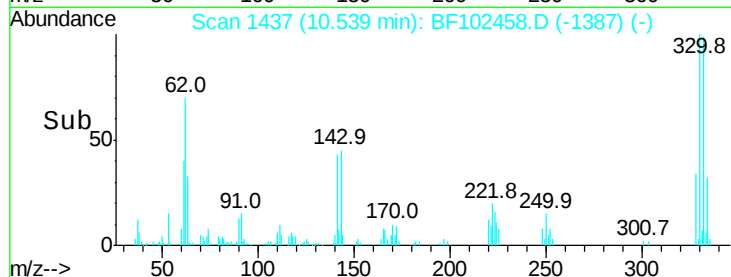
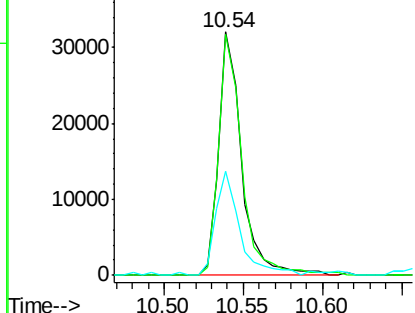
#41
 2,4,6-Tribromophenol
 Concen: 18.823 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

Instrument :
 BNA_F
 ClientSampled :
 20A-5DL

Tot Ion:330 Resp: 32399
 Ion Ratio Lower Upper
 330 100
 332 100.2 77.0 115.6
 141 44.8 29.9 44.9

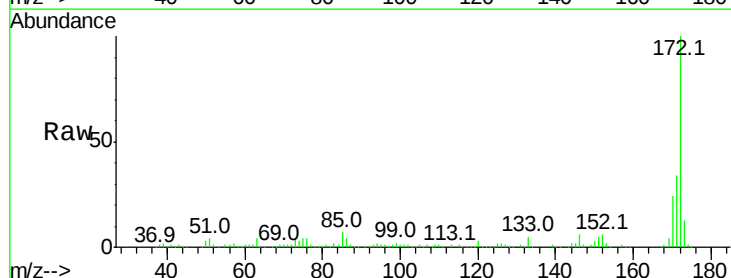


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

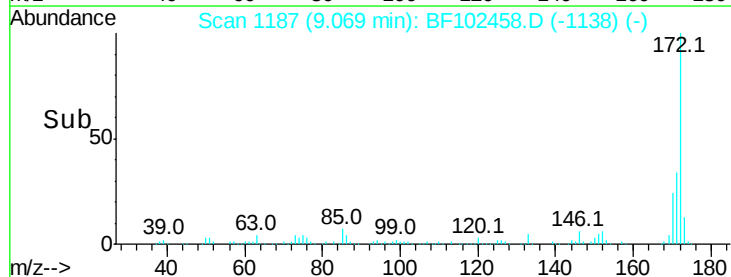
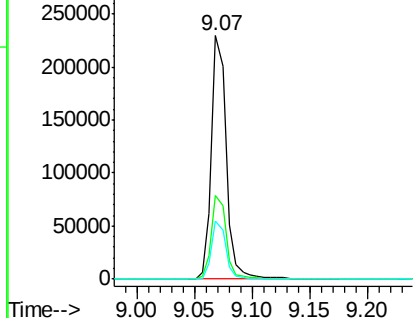


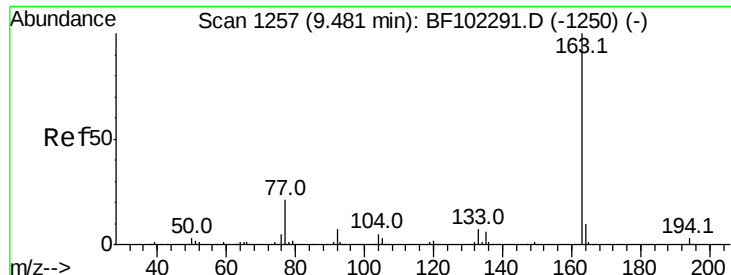
#44
 2-Fluorobiphenyl
 Concen: 17.504 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

Tgt Ion:172 Resp: 206799
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 24.0 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

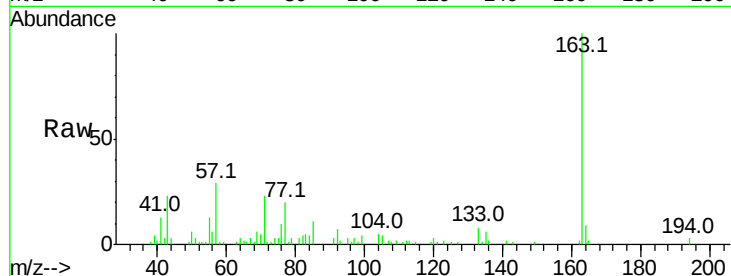




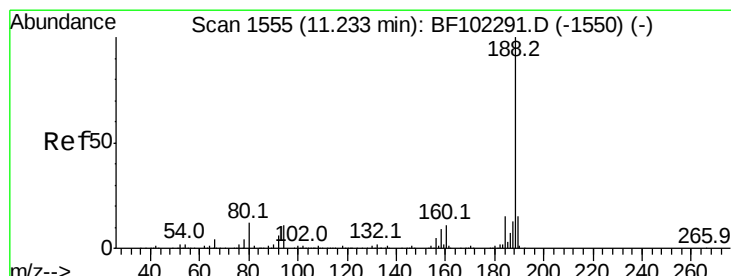
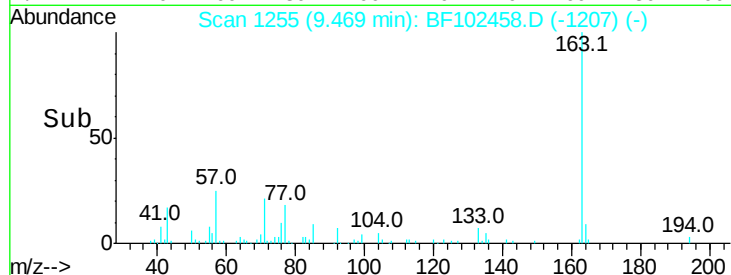
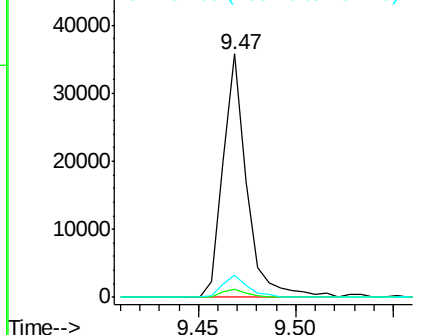
#49
Dimethylphthalate
Concen: 2.106 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Instrument :
BNA_F
ClientSampleID :
20A-5DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.2	8.2	12.2

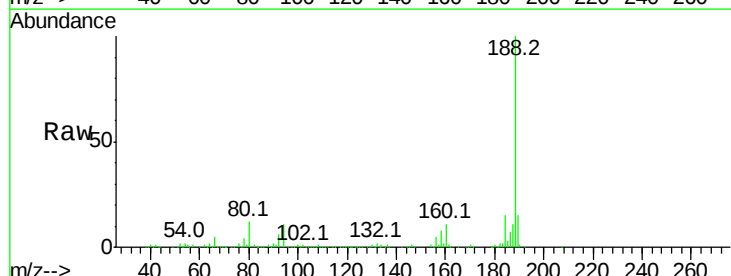


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

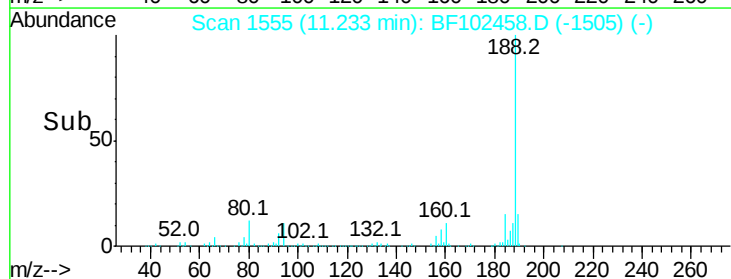
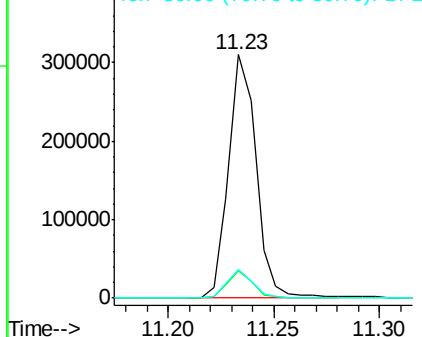


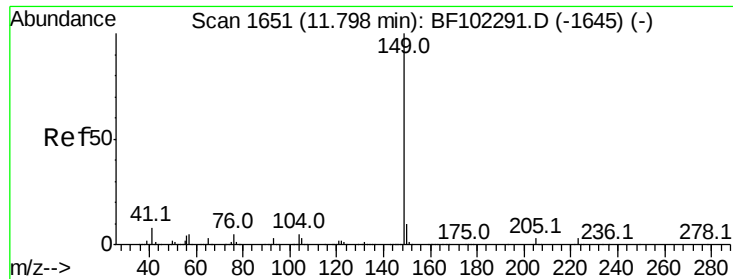
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102458.D
Acq: 26 Jan 2018 8:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.5	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





#73

Di-n-butylphthalate

Concen: 61.859 ng

RT: 11.80 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

Instrument :

BNA_F

ClientSampleId :

20A-5DL

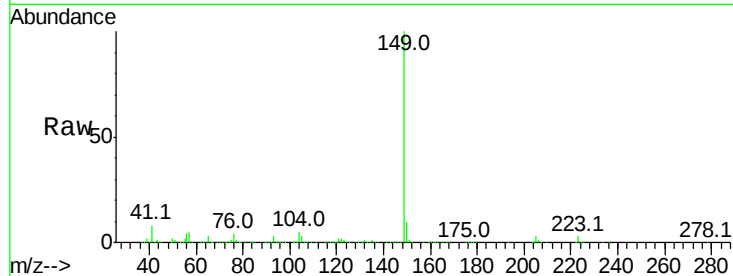
Tot Ion:149 Resp: 1259789

Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

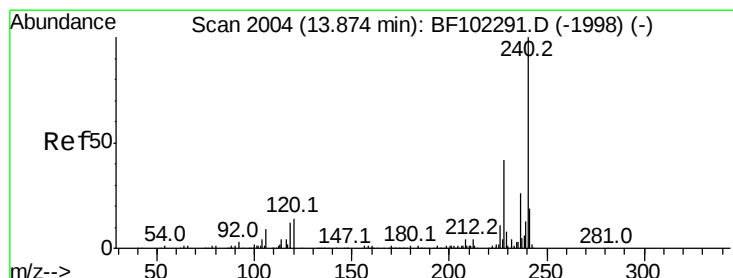
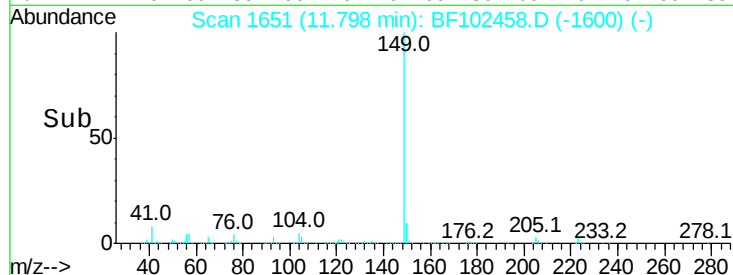
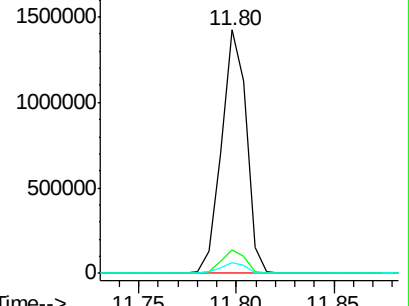
104 4.5 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102458.D

Acq: 26 Jan 2018 8:21

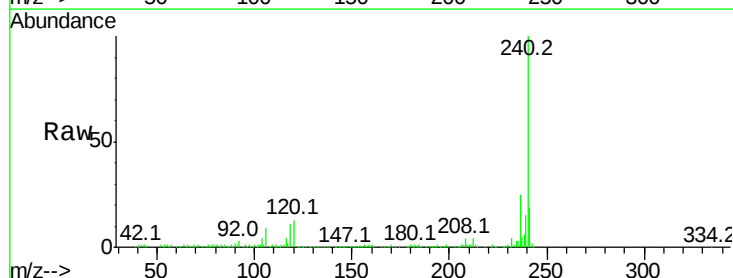
Tgt Ion:240 Resp: 278795

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

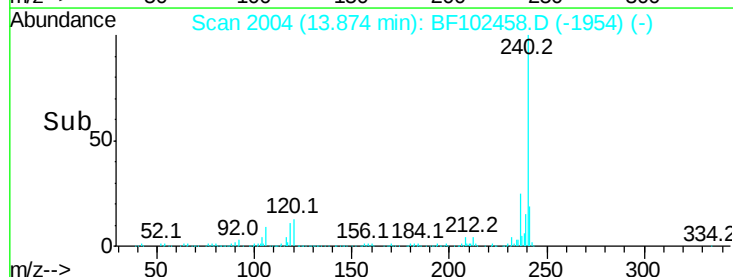
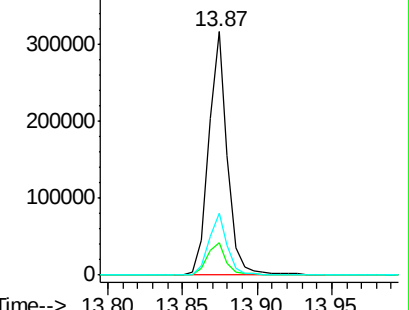
236 25.3 20.7 31.1

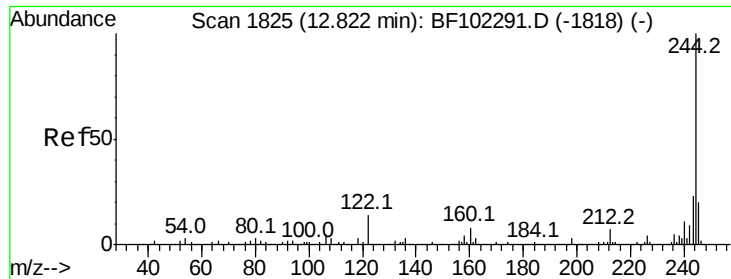


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

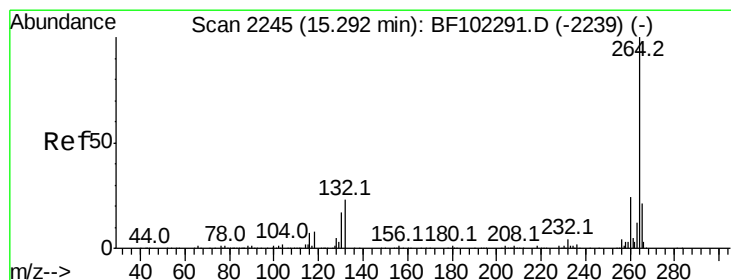
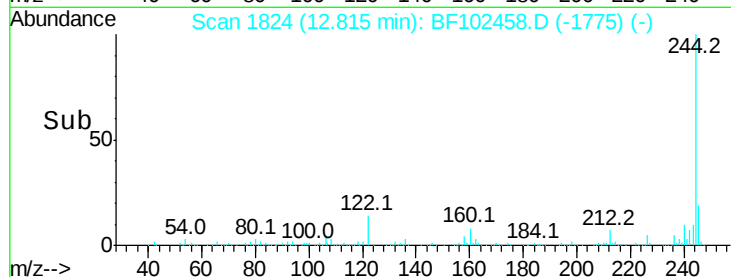
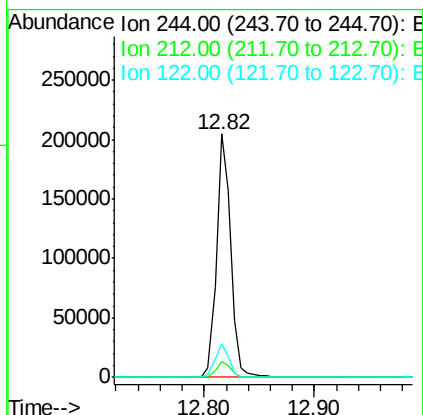
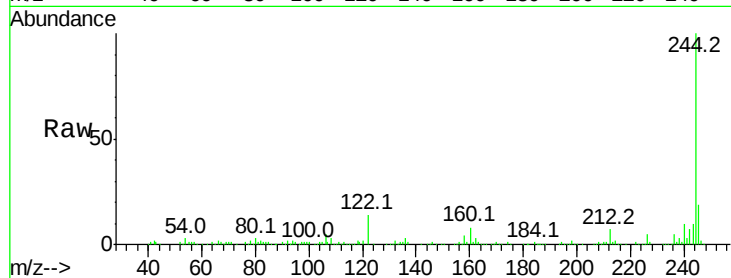




#78
 Terphenyl-d14
 Concen: 14.657 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

Instrument :
 BNA_F
 ClientSampleId :
 20A-5DL

Tot Ion:244 Resp: 181264
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 13.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: BF102458.D
 Acq: 26 Jan 2018 8:21

Tgt Ion:264 Resp: 221551
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 23.0 17.5 26.3

