

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102193.D
 Acq On : 18 Jan 2018 16:04
 Operator : SJ/JU
 Sample : J1151-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OIL-GRAVEL

Quant Time: Jan 19 00:37:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

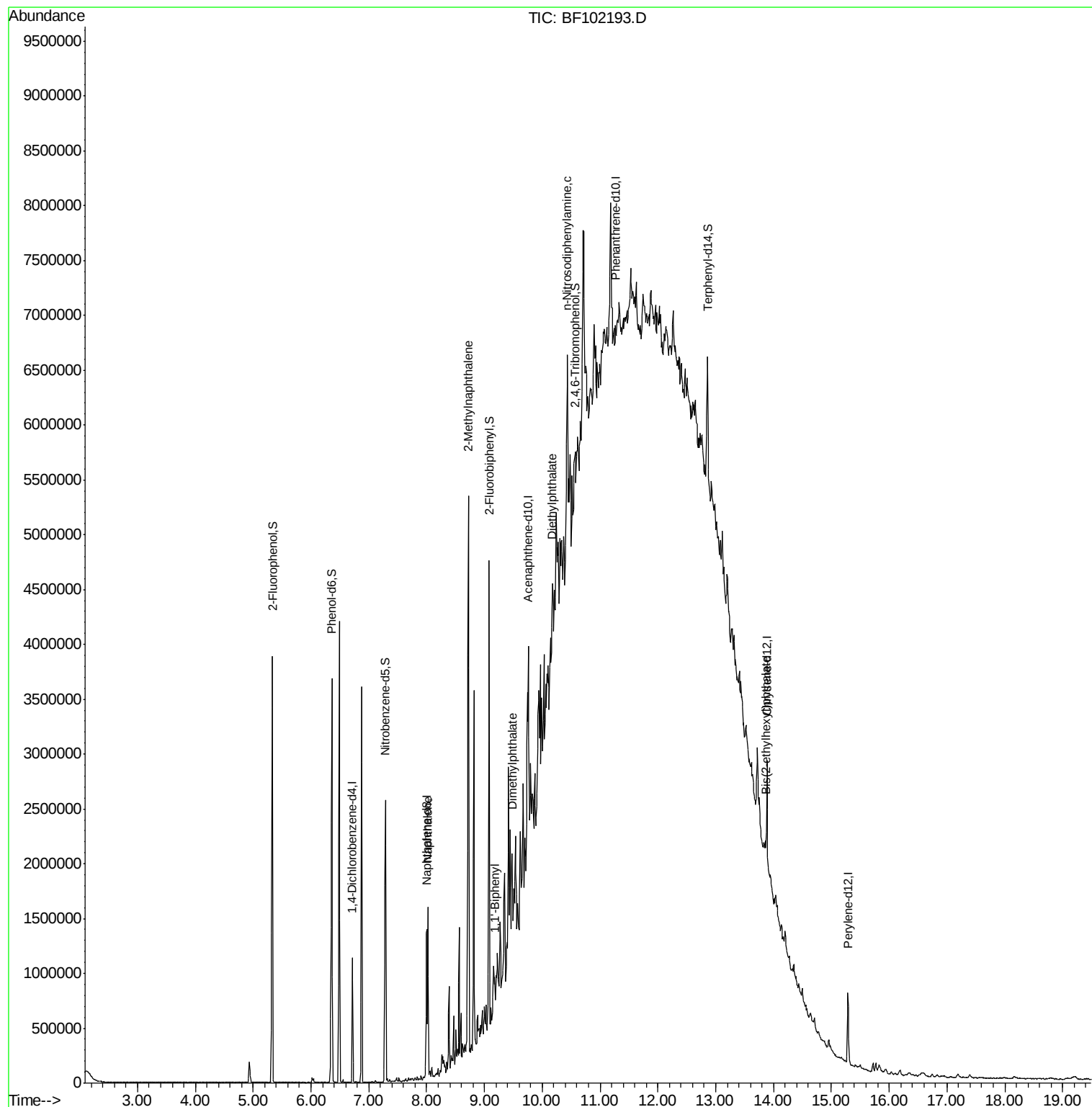
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	162226	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	651533	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	229596	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	256407	20.00	ng	0.03
75) Chrysene-d12	13.89	240	315644	20.00	ng	0.01
86) Perylene-d12	15.29	264	277229	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1268001	110.37	ng	0.01
7) Phenol-d6	6.36	99	1507927	110.01	ng	0.00
23) Nitrobenzene-d5	7.29	82	992062	89.48	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	233782	116.68	ng	0.02
44) 2-Fluorobiphenyl	9.08	172	1602773	109.06	ng	0.00
78) Terphenyl-d14	12.86	244	976672	64.24	ng	0.03
Target Compounds						
31) Naphthalene	8.02	128	596250	18.315	ng	99
37) 2-Methylnaphthalene	8.72	142	1725337	80.501	ng	99
45) 1,1'-Biphenyl	9.18	154	87563	4.315	ng	97
49) Dimethylphthalate	9.47	163	171694	9.322	ng	# 95
59) Diethylphthalate	10.17	149	60883	3.323	ng	# 61
65) n-Nitrosodiphenylamine	10.43	169	38327	3.992	ng	# 66
83) Bis(2-ethylhexyl)phthalate	13.86	149	50577	3.443	ng	95

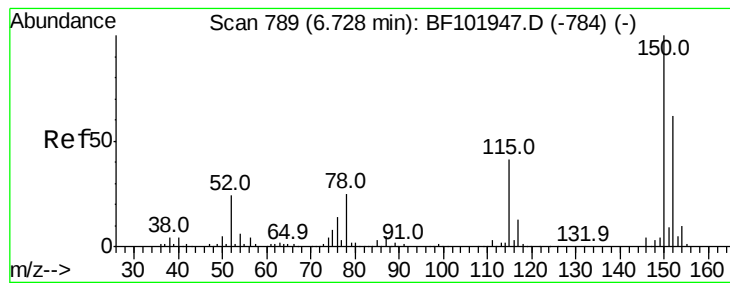
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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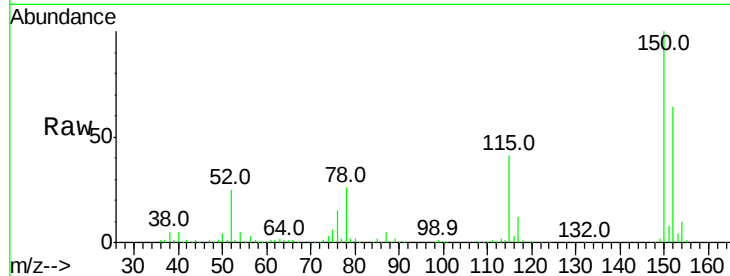


#1

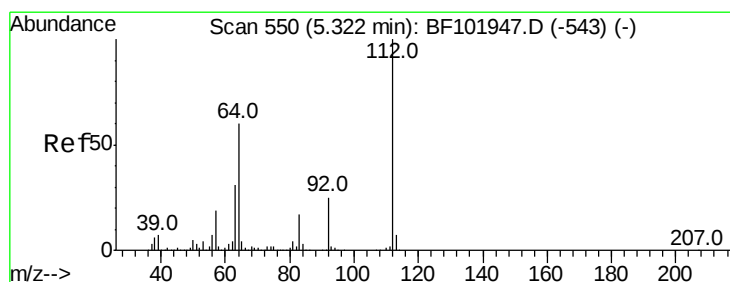
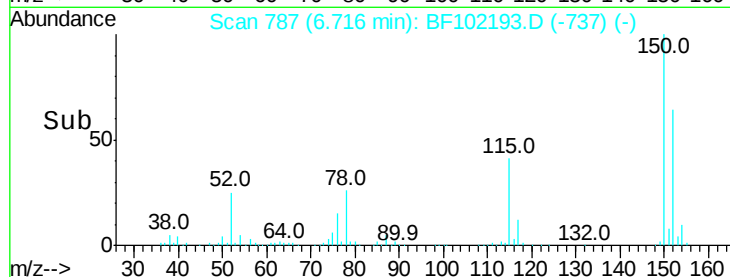
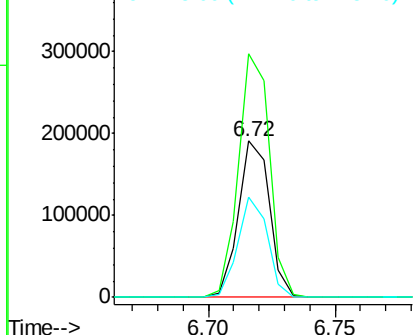
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102193.D
Acq: 18 Jan 2018 16:04

Instrument :
BNA_F
ClientSampleId :
OIL-GRAVEL

Tot Ion:152 Resp: 162226
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 63.7 50.1 75.1



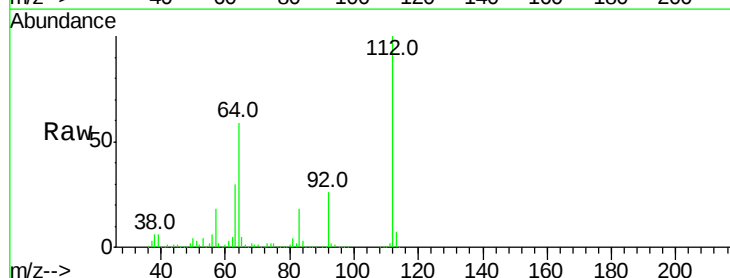
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



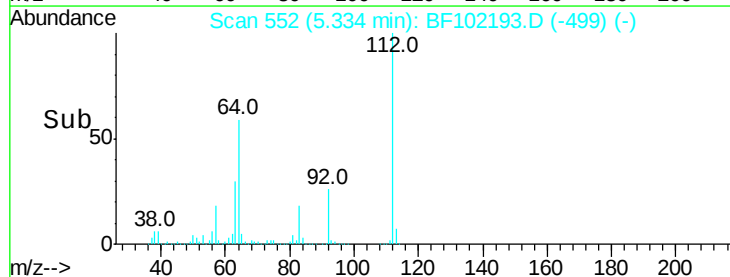
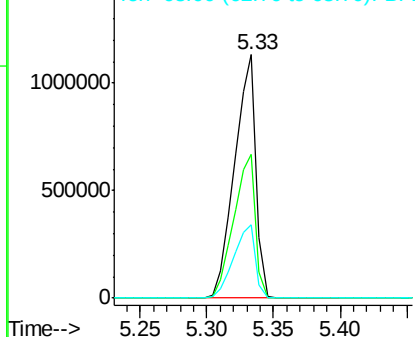
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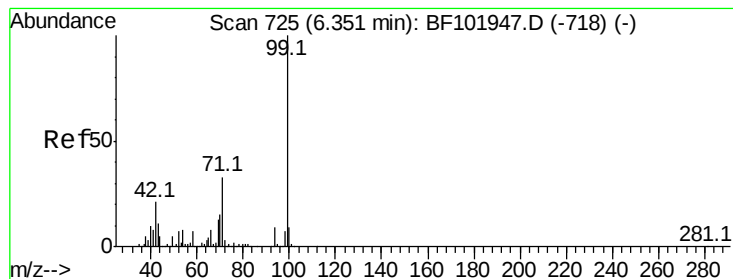
2-Fluorophenol
Concen: 110.372 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102193.D
Acq: 18 Jan 2018 16:04

Tgt Ion:112 Resp: 1268001
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 30.2 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: 110.012 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

Instrument :

BNA_F

ClientSampleId :

OIL-GRAVEL

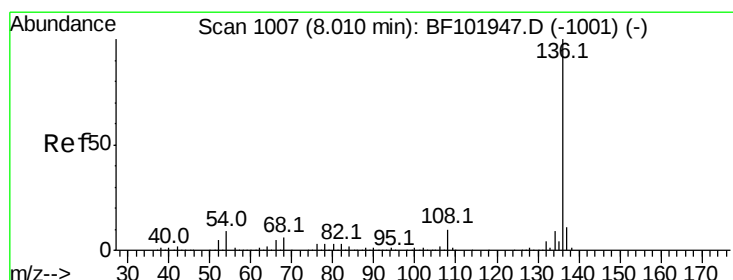
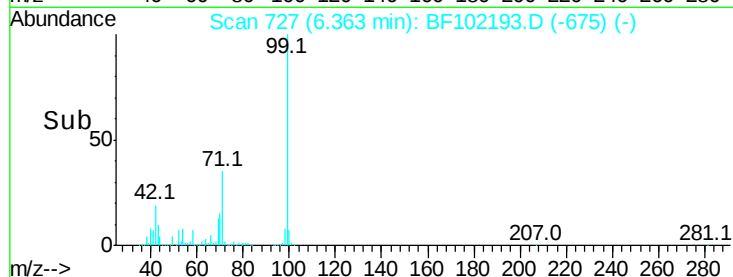
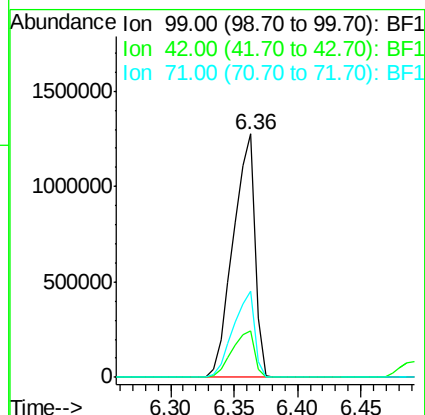
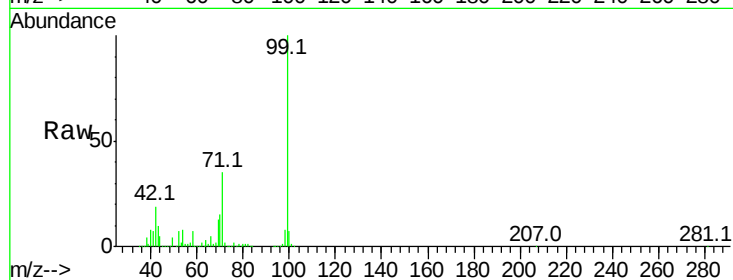
Tot Ion: 99 Resp: 1507927

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 35.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

Tgt Ion: 136 Resp: 651533

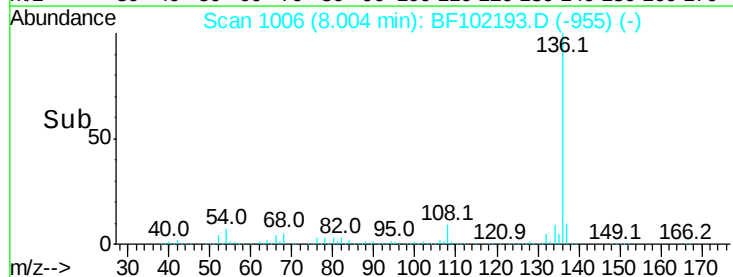
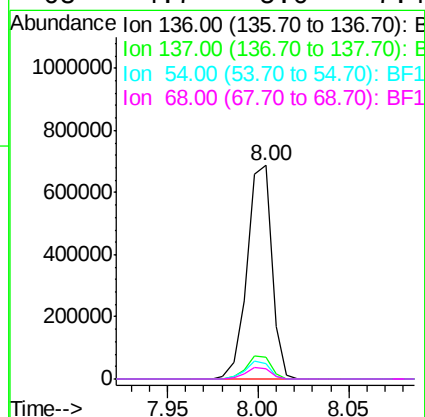
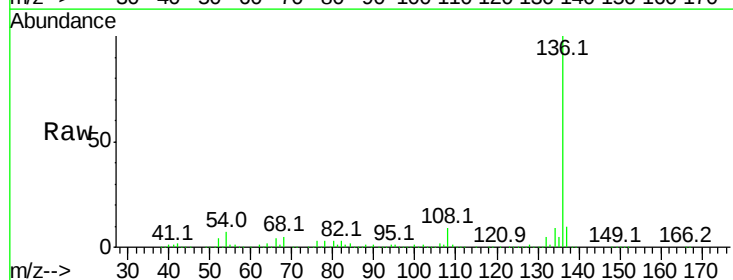
Ion Ratio Lower Upper

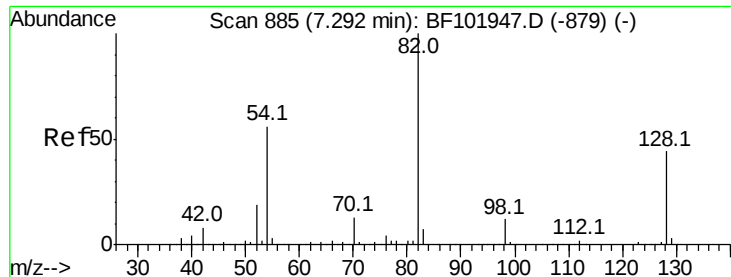
136 100

137 10.5 8.9 13.3

54 7.2 6.6 9.8

68 4.7 5.0 7.4#

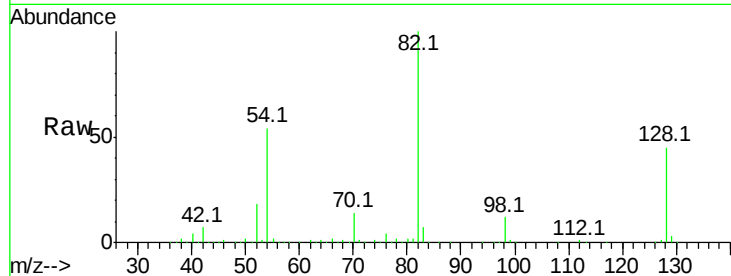




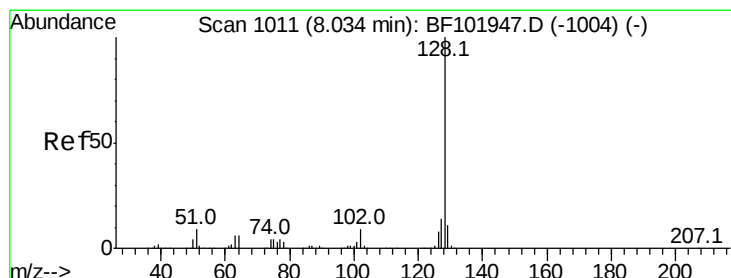
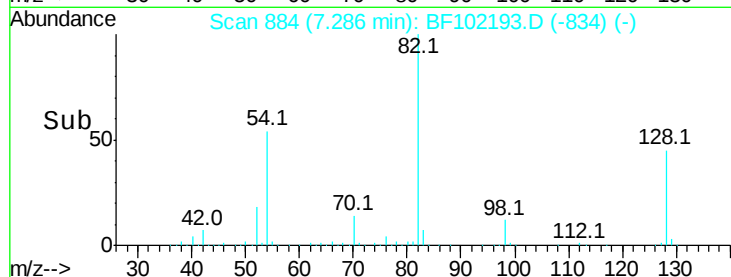
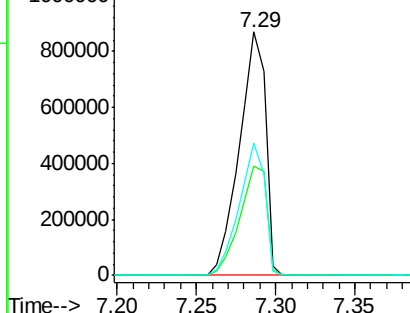
#23
Nitrobenzene-d5
Concen: 89.478 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102193.D
Acq: 18 Jan 2018 16:04

Instrument :
BNA_F
ClientSampleId :
OIL-GRAVEL

Tot Ion: 82 Resp: 992062
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 54.3 41.4 62.2

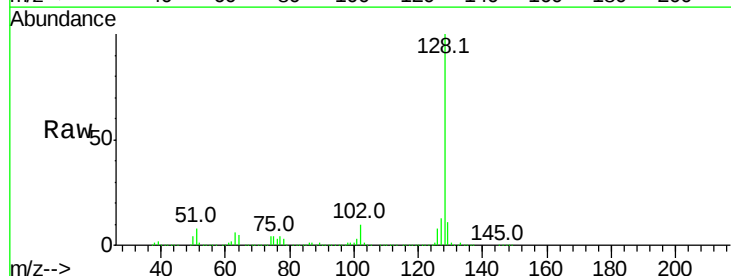


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

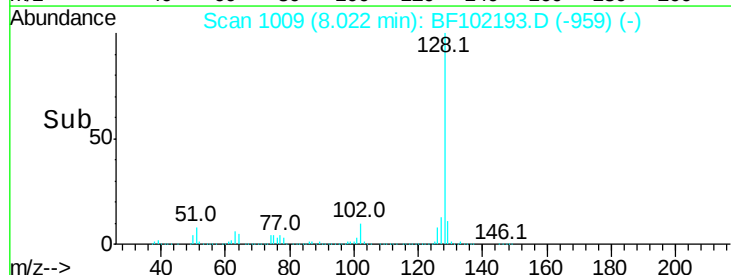
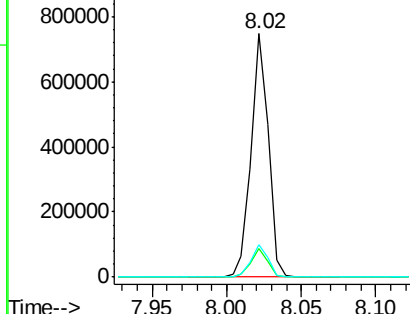


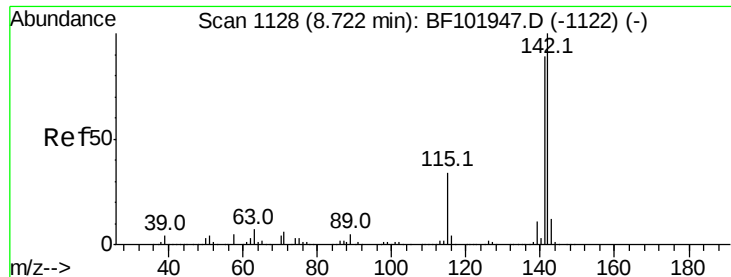
#31
Naphthalene
Concen: 18.315 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF102193.D
Acq: 18 Jan 2018 16:04

Tgt Ion: 128 Resp: 596250
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1



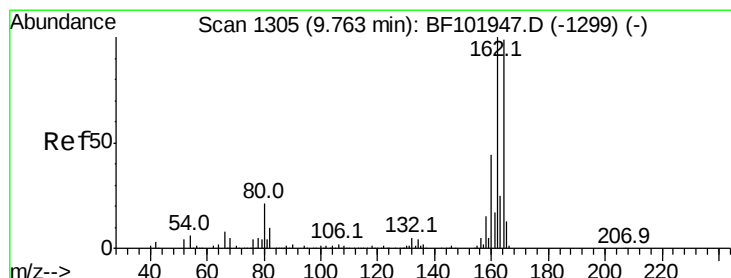
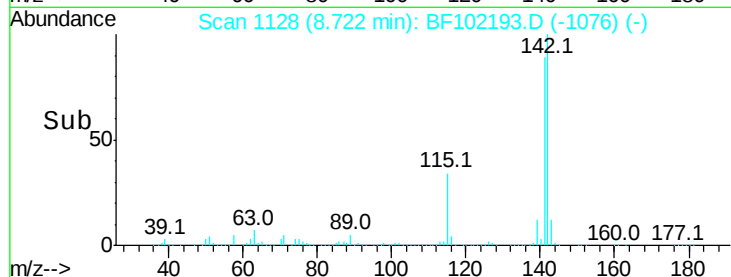
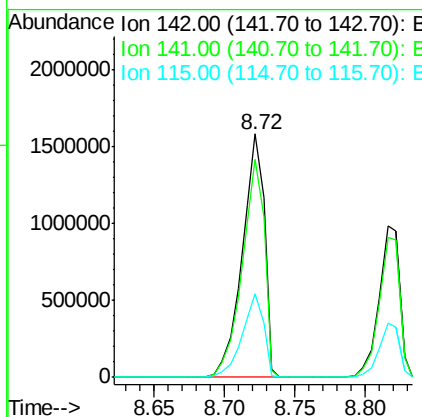
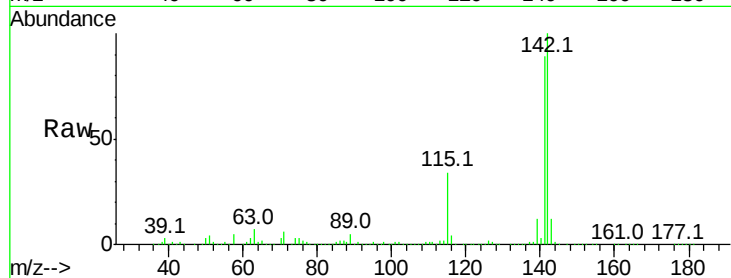


#37
 2-Methylnaphthalene
 Concen: 80.501 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BF102193.D
 Acq: 18 Jan 2018 16:04

Instrument :
 BNA_F
 ClientSampleId :
 OIL-GRAVEL

Tot Ion:142 Resp: 1725337

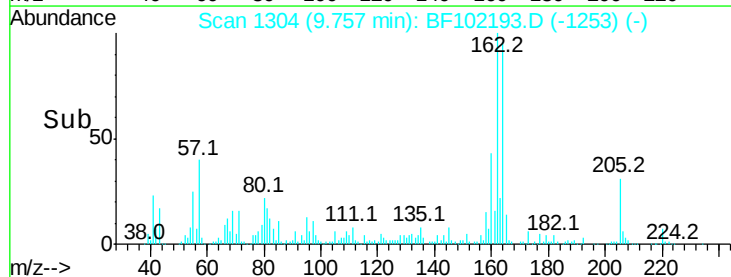
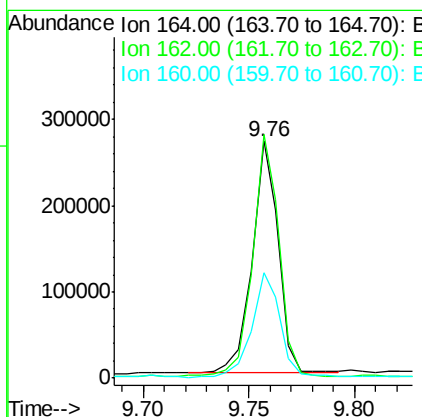
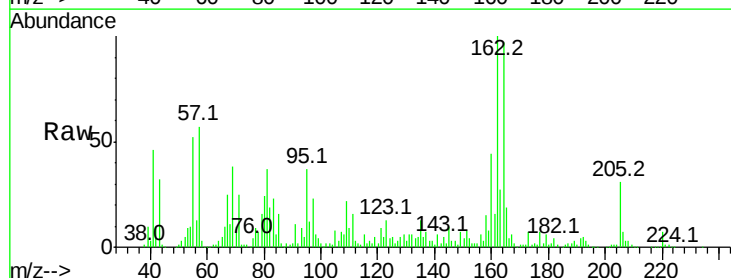
Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2
115	34.2	26.1	39.1

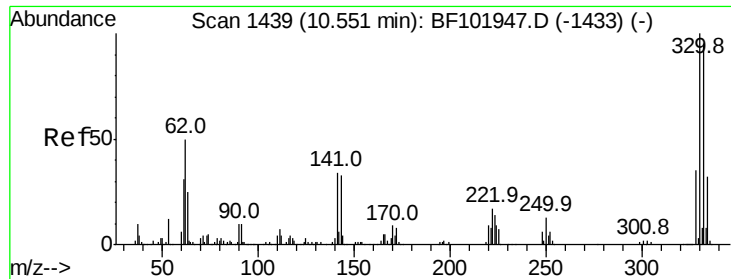


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF102193.D
 Acq: 18 Jan 2018 16:04

Tgt Ion:164 Resp: 229596

Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	44.8	38.3	57.5

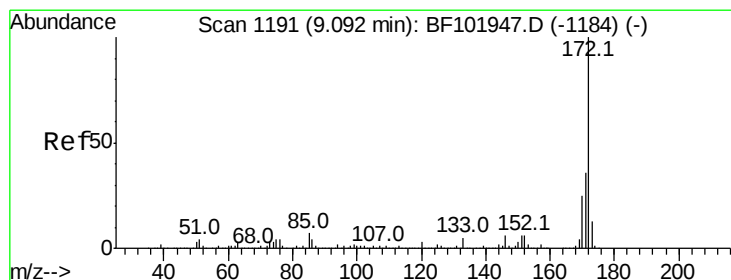
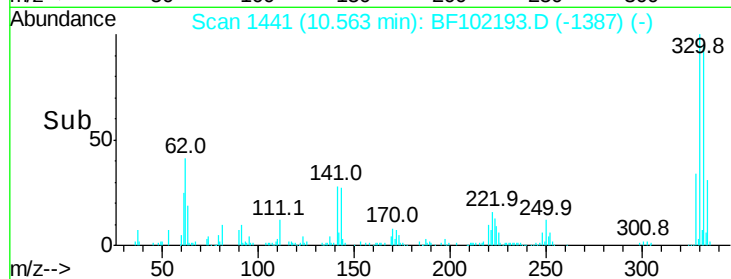
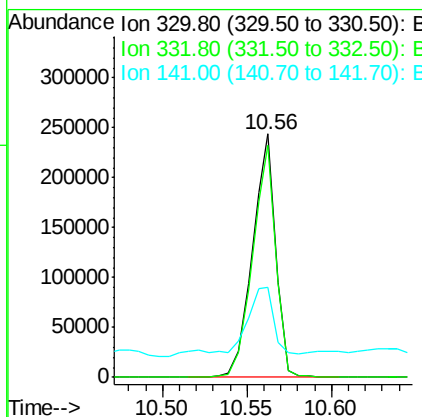
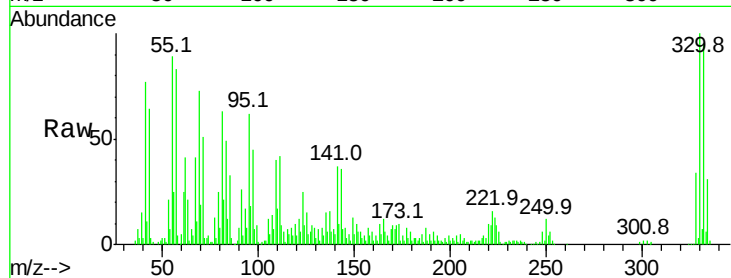




#41
 2,4,6-Tribromophenol
 Concen: 116.678 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.02 min
 Lab File: BF102193.D
 Acq: 18 Jan 2018 16:04

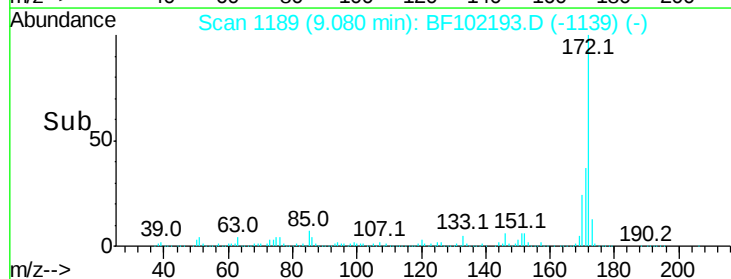
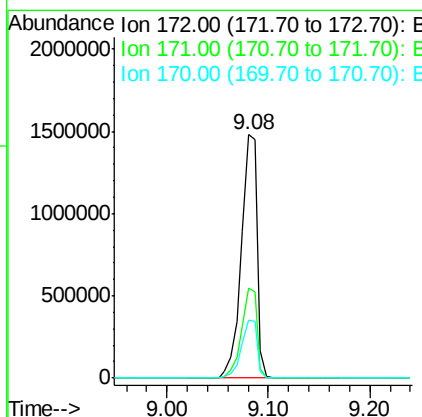
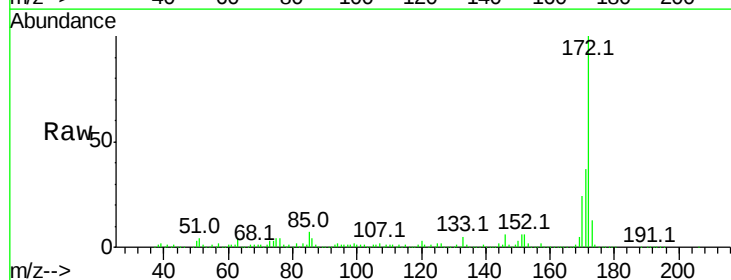
Instrument :
 BNA_F
 ClientSampleId :
 OIL-GRAVEL

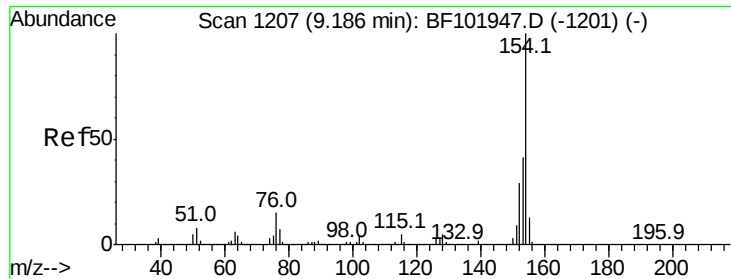
Tot Ion:330 Resp: 233782
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 30.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 109.060 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102193.D
 Acq: 18 Jan 2018 16:04

Tgt Ion:172 Resp: 1602773
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.1 19.6 29.4





#45

1,1'-Biphenyl

Concen: 4.315 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

Instrument :

BNA_F

ClientSampleId :

OIL-GRAVEL

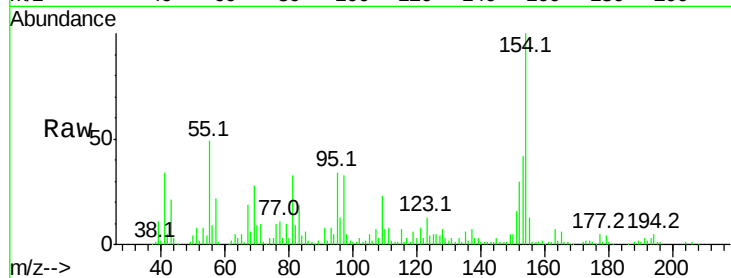
Tot Ion:154 Resp: 87563

Ion Ratio Lower Upper

154 100

153 41.6 21.3 61.3

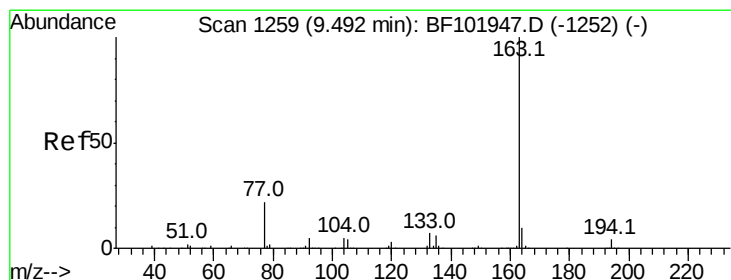
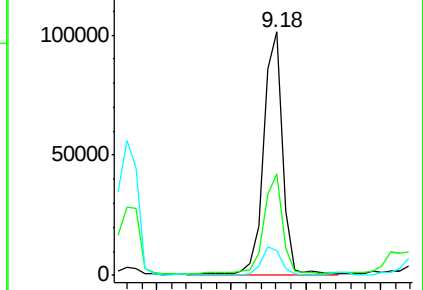
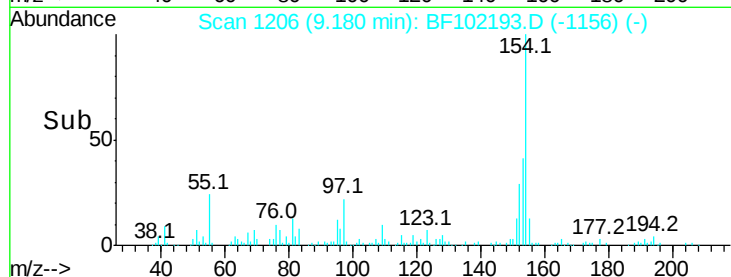
76 10.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Dimethylphthalate

Concen: 9.322 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

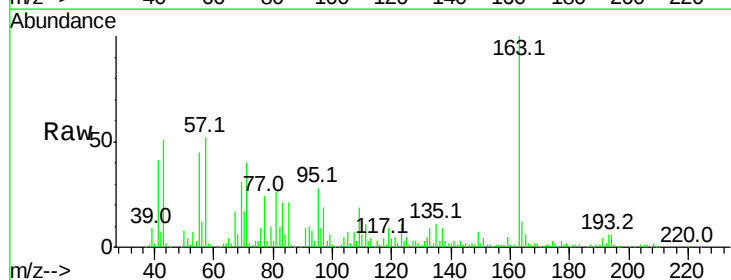
Tgt Ion:163 Resp: 171694

Ion Ratio Lower Upper

163 100

194 5.8 2.7 4.1#

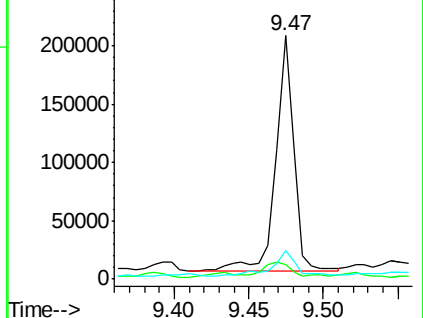
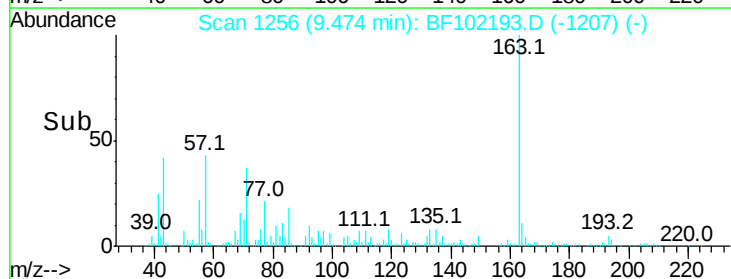
164 11.8 8.2 12.2

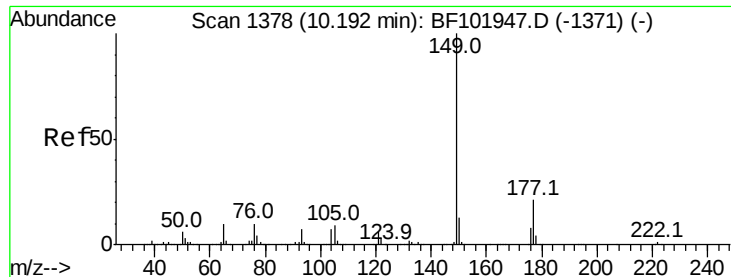


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

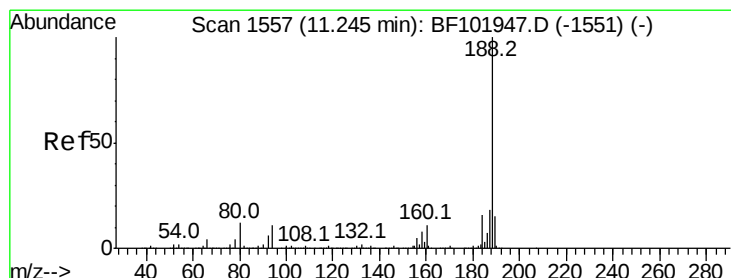
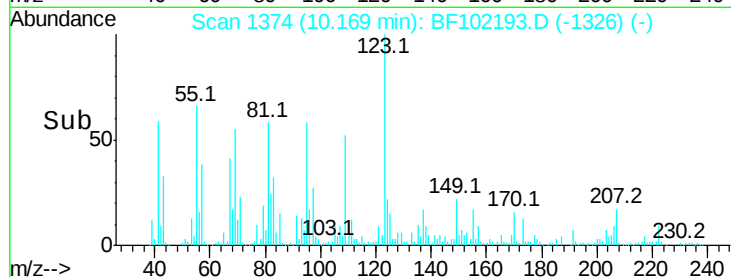
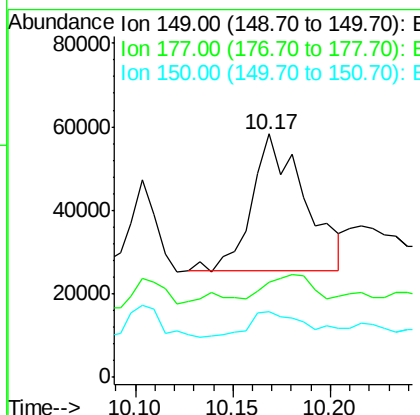
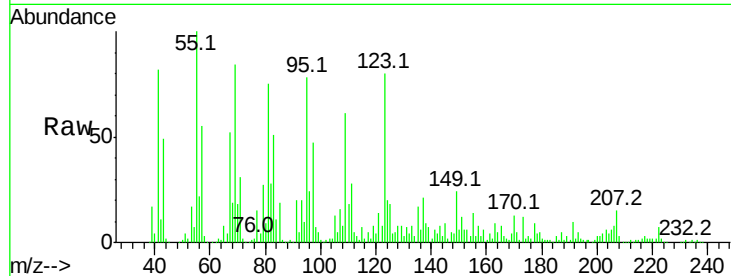




#59
Diethylphthalate
Concen: 3.323 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BF102193.D
Acq: 18 Jan 2018 16:04

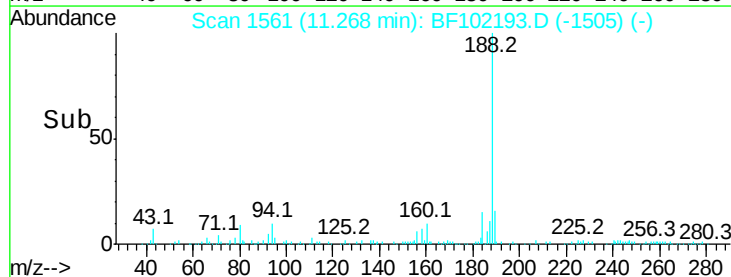
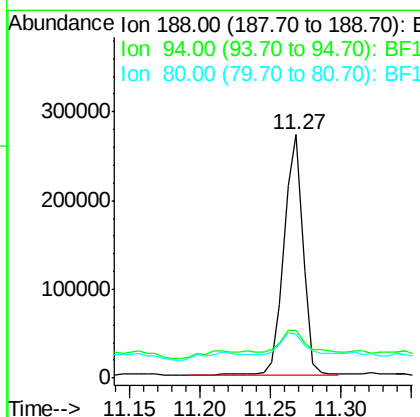
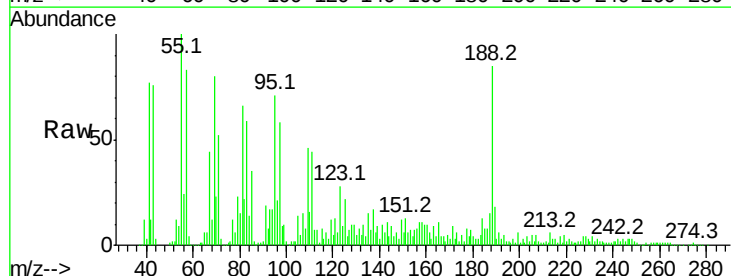
Instrument :
BNA_F
ClientSampleId :
OIL-GRAVEL

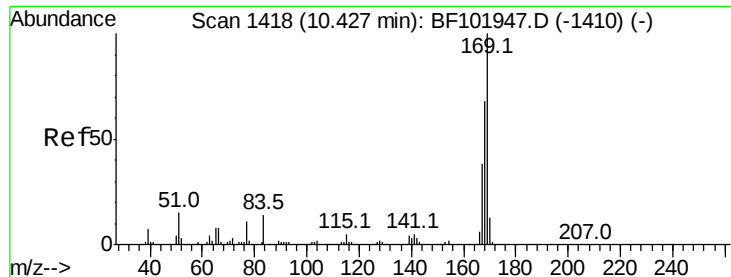
Tot Ion:149 Resp: 60883
Ion Ratio Lower Upper
149 100
177 39.1 16.1 24.1#
150 27.1 10.1 15.1#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.03 min
Lab File: BF102193.D
Acq: 18 Jan 2018 16:04

Tgt Ion:188 Resp: 256407
Ion Ratio Lower Upper
188 100
94 19.8 8.5 12.7#
80 18.2 9.2 13.8#





#65

n-Nitrosodiphenylamine

Concen: 3.992 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.01 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

Instrument :

BNA_F

ClientSampleId :

OIL-GRAVEL

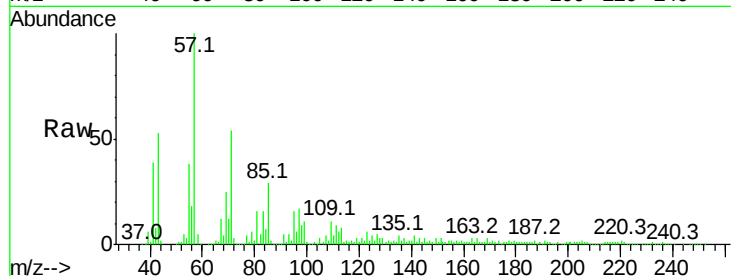
Tot Ion:169 Resp: 38327

Ion Ratio Lower Upper

169 100

168 40.2 54.4 81.6#

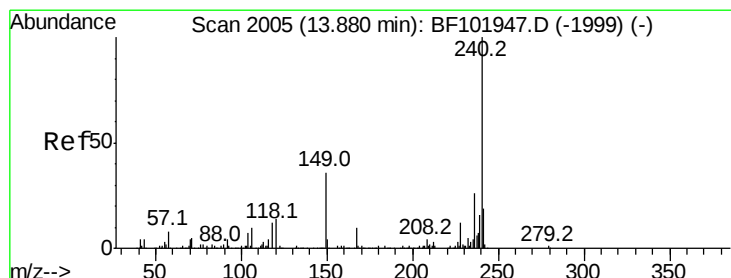
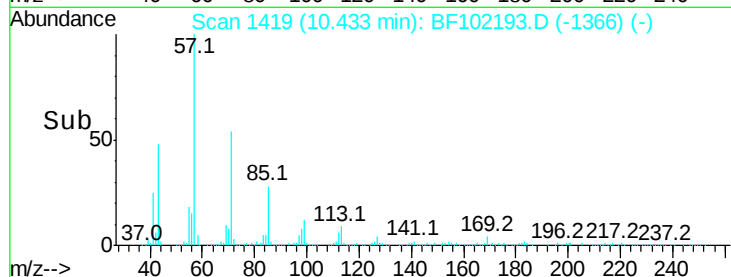
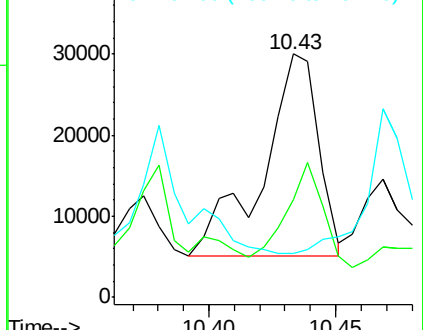
167 17.8 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

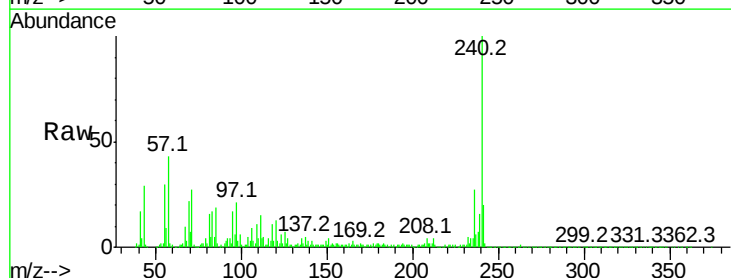
Tgt Ion:240 Resp: 315644

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

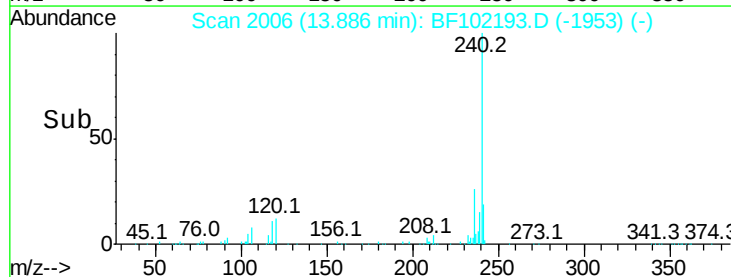
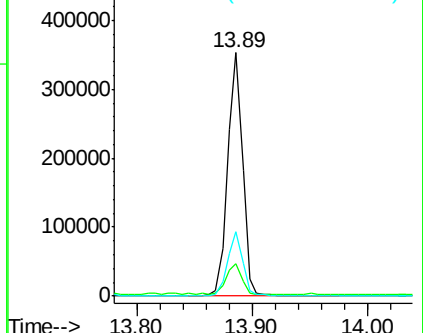
236 26.7 20.7 31.1

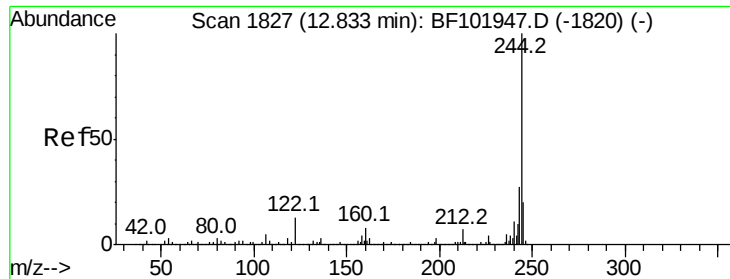


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 64.244 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.03 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

Instrument :

BNA_F

ClientSampleId :

OIL-GRAVEL

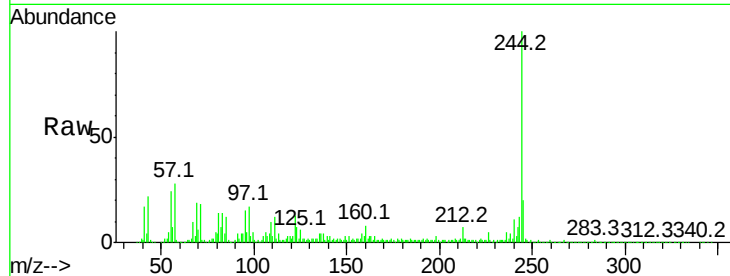
Tot Ion:244 Resp: 976672

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

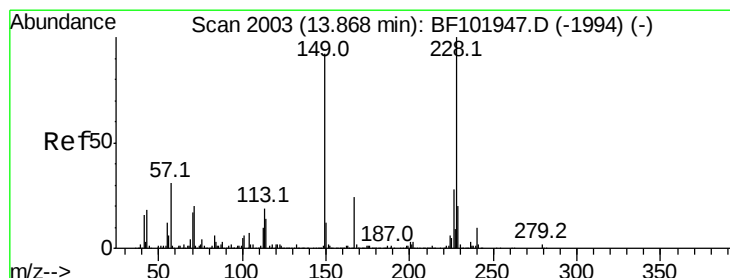
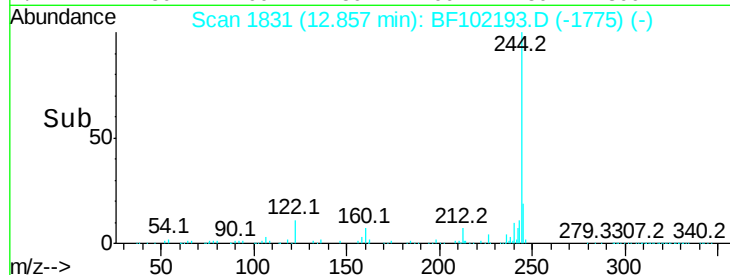
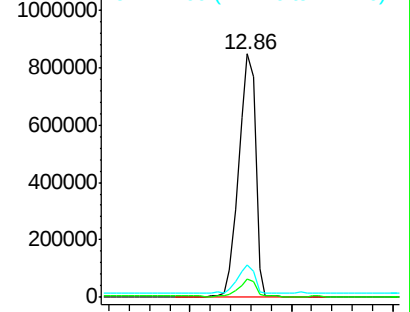
122 13.4 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.443 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF102193.D

Acq: 18 Jan 2018 16:04

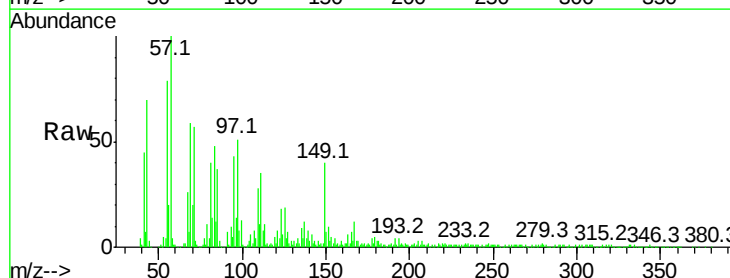
Tgt Ion:149 Resp: 50577

Ion Ratio Lower Upper

149 100

167 29.4 21.3 31.9

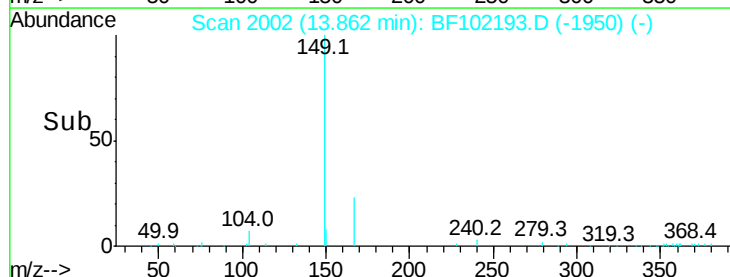
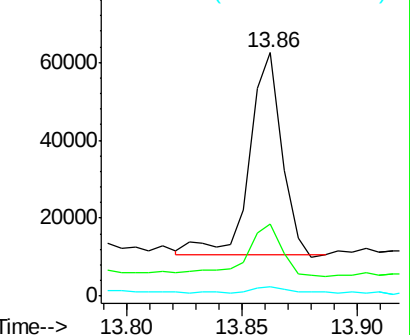
279 4.1 3.0 4.4

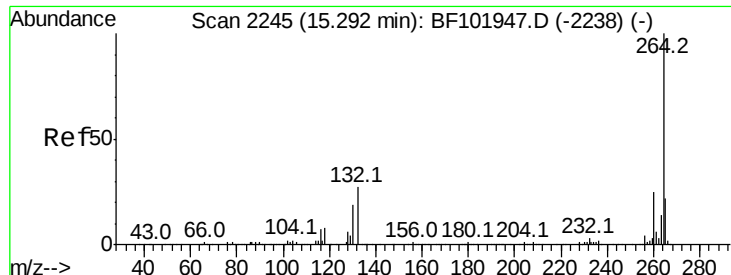


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

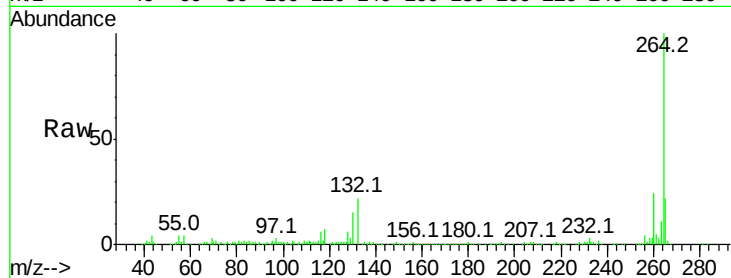




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BF102193.D
 Acq: 18 Jan 2018 16:04

Instrument :
 BNA_F
 ClientSampleId :
 OIL-GRAVEL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	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

