

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102141.D
 Acq On : 17 Jan 2018 6:25
 Operator : SJ/JU
 Sample : J1117-02DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-1 14.5-15.0DL

Quant Time: Jan 17 12:58:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

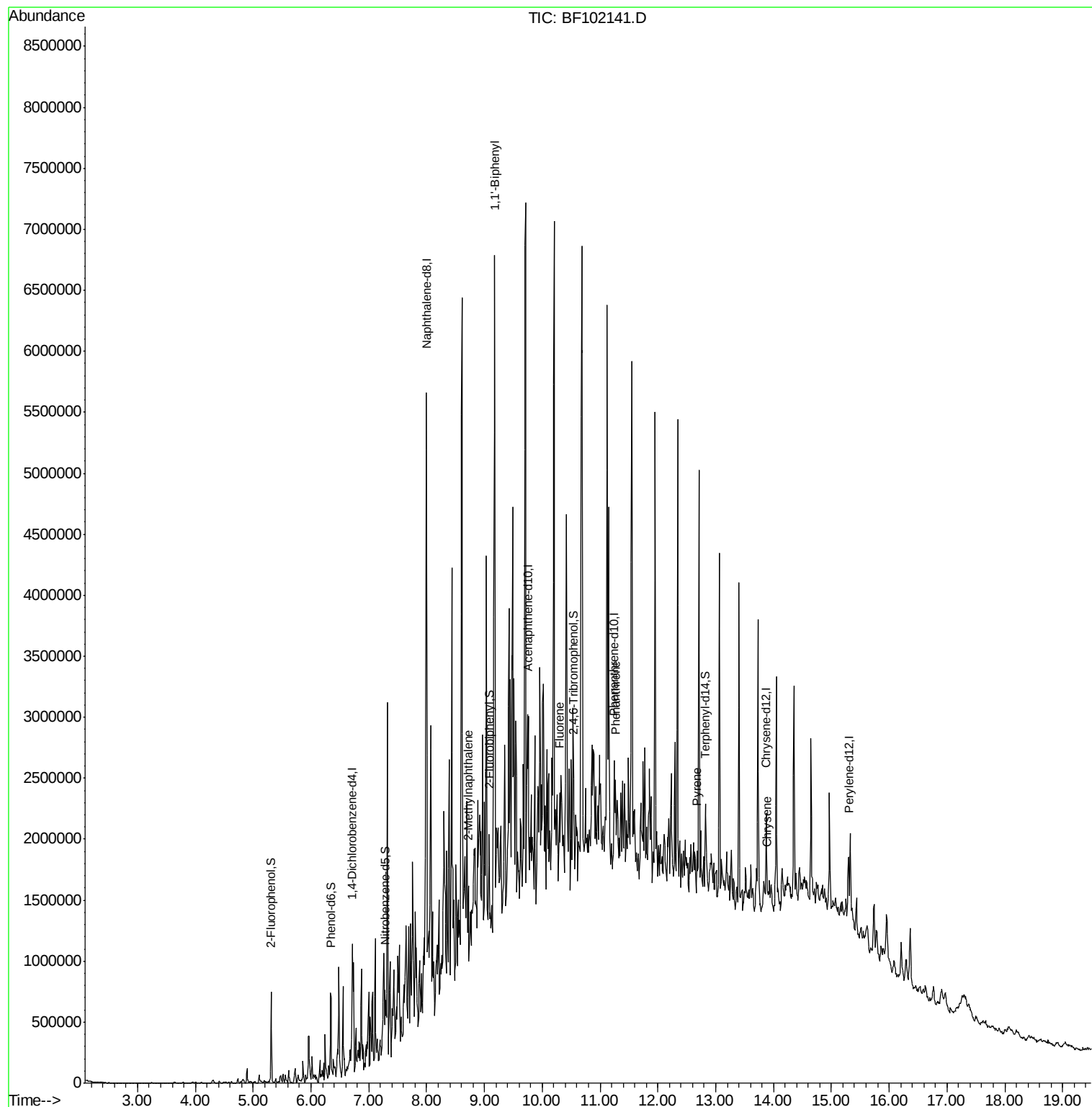
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138487	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	454965	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	212588	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	314149	20.00	ng	0.00
75) Chrysene-d12	13.87	240	231827	20.00	ng	0.00
86) Perylene-d12	15.29	264	229692	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	181286	18.48	ng	-0.02
7) Phenol-d6	6.34	99	214233	18.31	ng	-0.02
23) Nitrobenzene-d5	7.28	82	131441	16.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	33051	17.82	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	224729	16.51	ng	-0.01
78) Terphenyl-d14	12.82	244	138704	12.42	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.72	142	178751	11.944	ng	99
45) 1,1'-Biphenyl	9.18	154	127386	6.779	ng	95
57) Fluorene	10.30	166	67995	5.106	ng	# 65
70) Phenanthrene	11.27	178	228738	12.465	ng	98
77) Pyrene	12.68	202	80228	3.915	ng	96
82) Chrysene	13.90	228	38349	2.486	ng	# 72

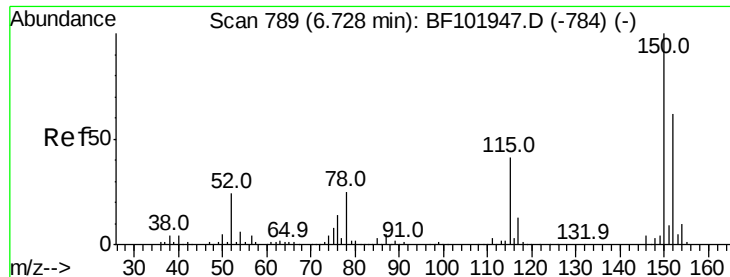
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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UST-1 14.5-15.0DL

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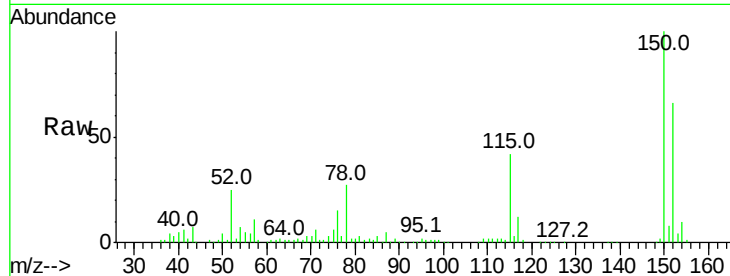


#1

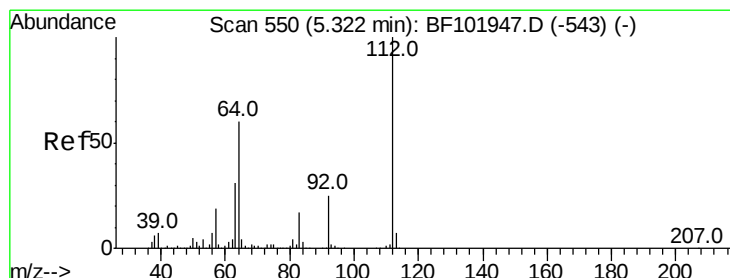
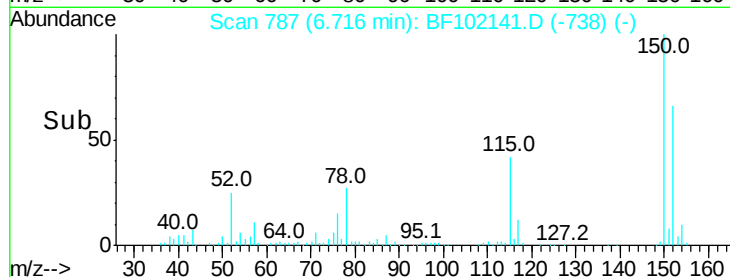
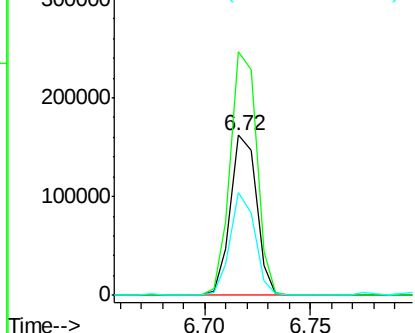
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102141.D
Acq: 17 Jan 2018 6:25

Instrument :
BNA_F
ClientSampleId :
UST-1 14.5-15.0DL

Tot Ion:152 Resp: 138487
Ion Ratio Lower Upper
152 100
150 152.2 124.6 186.8
115 63.9 50.1 75.1



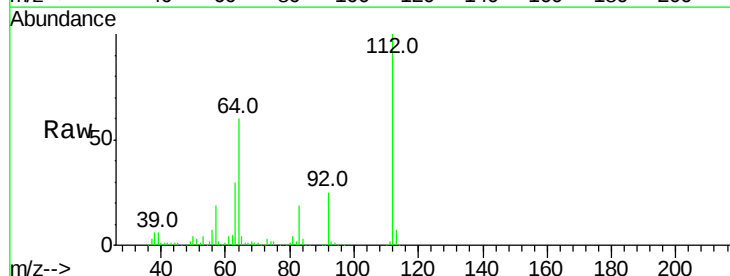
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



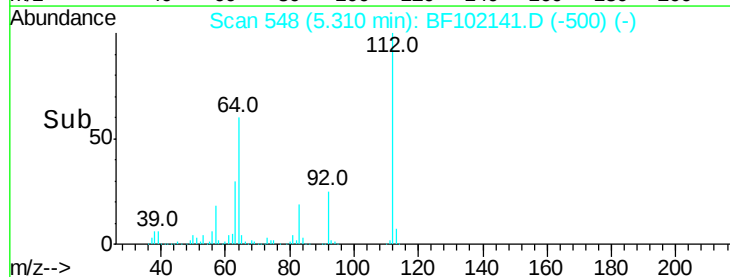
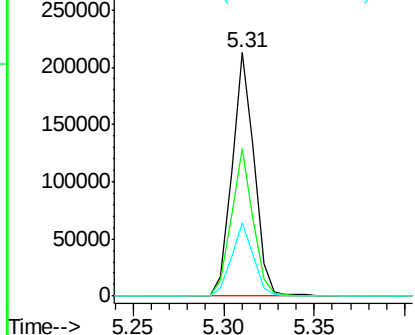
#5

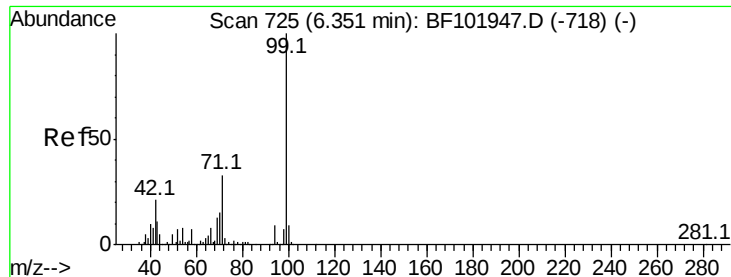
2-Fluorophenol
Concen: 18.485 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.02 min
Lab File: BF102141.D
Acq: 17 Jan 2018 6:25

Tgt Ion:112 Resp: 181286
Ion Ratio Lower Upper
112 100
64 60.4 47.9 71.9
63 30.3 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: 18.309 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

Instrument :

BNA_F

ClientSampleId :

UST-1 14.5-15.0DL

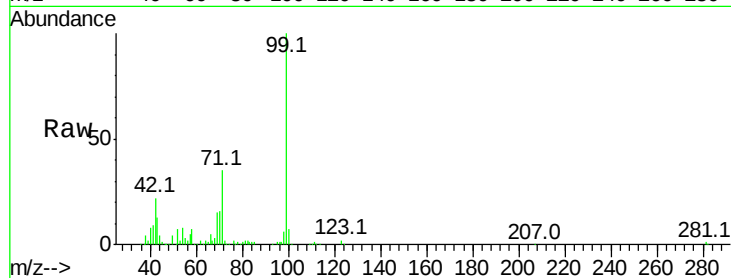
Tot Ion: 99 Resp: 214233

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

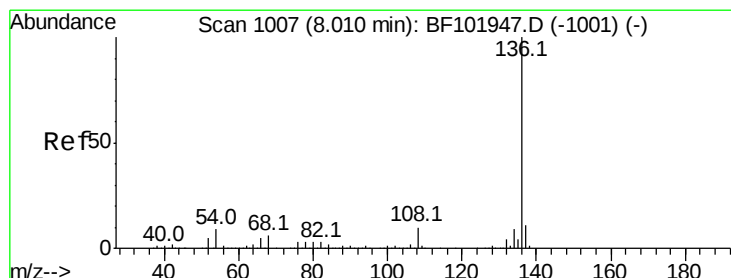
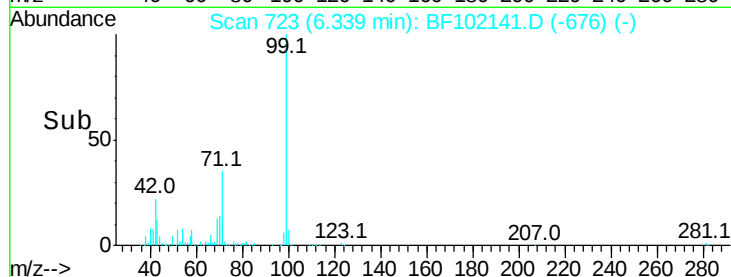
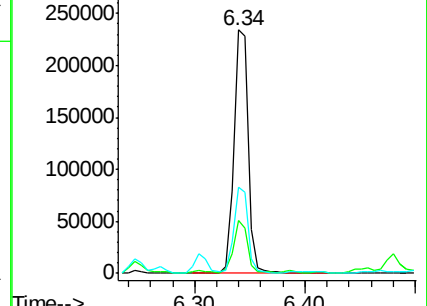
71 35.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

Tgt Ion: 136 Resp: 454965

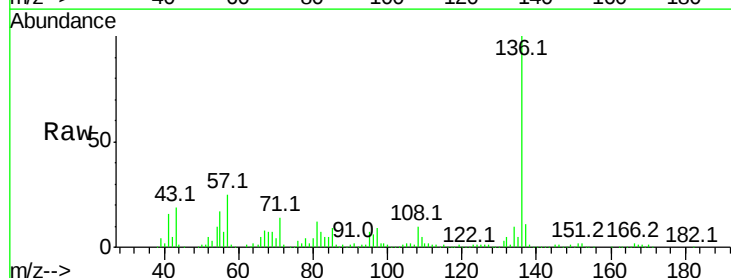
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.6 6.6 9.8

68 7.3 5.0 7.4

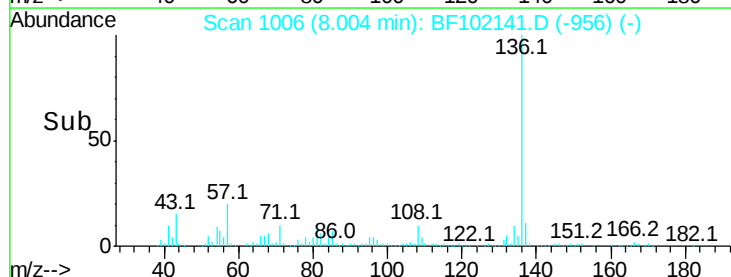
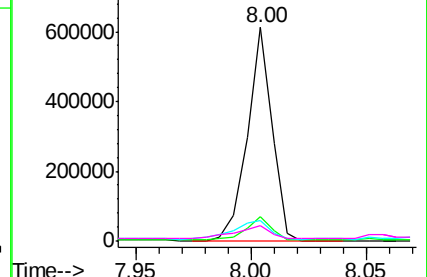


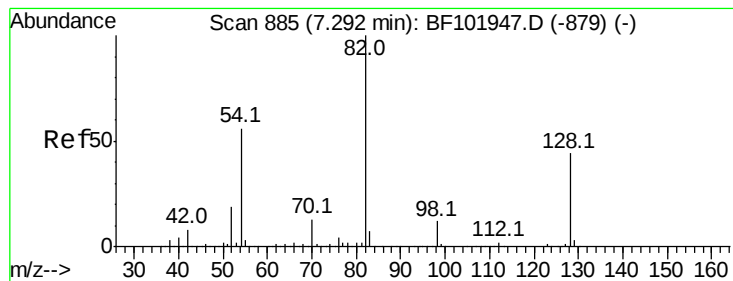
Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.977 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

Instrument :

BNA_F

ClientSampleId :

UST-1 14.5-15.0DL

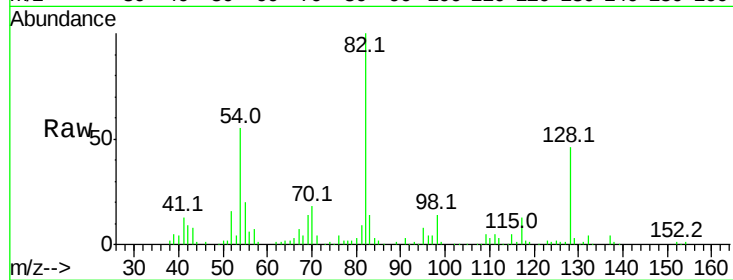
Tot Ion: 82 Resp: 131441

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

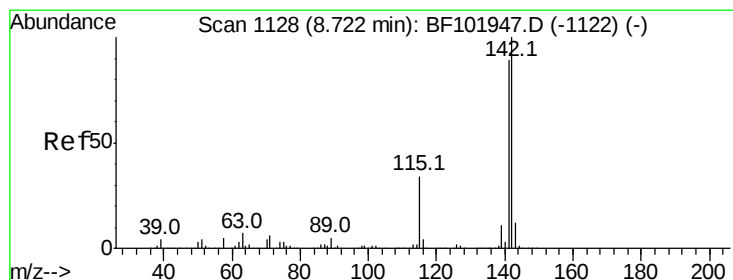
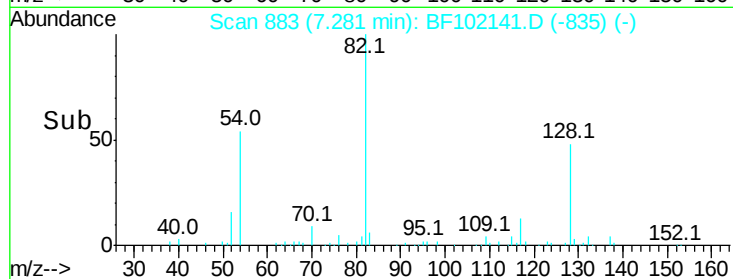
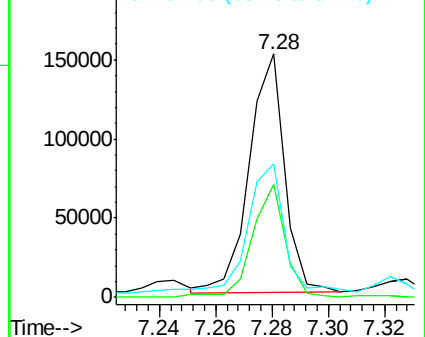
54 54.7 41.4 62.2



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



#37

2-Methylnaphthalene

Concen: 11.944 ng

RT: 8.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

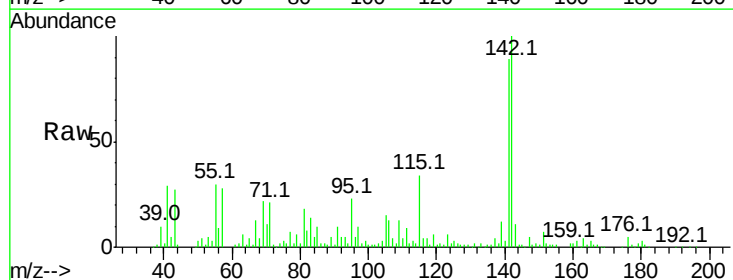
Tgt Ion: 142 Resp: 178751

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2

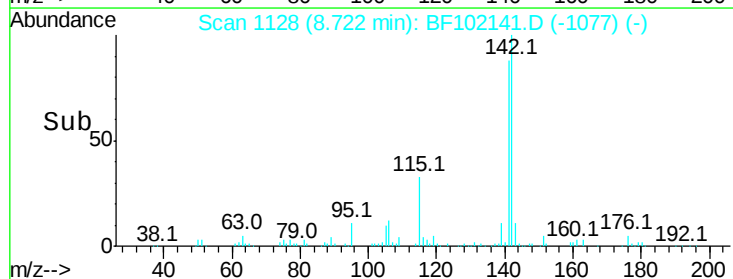
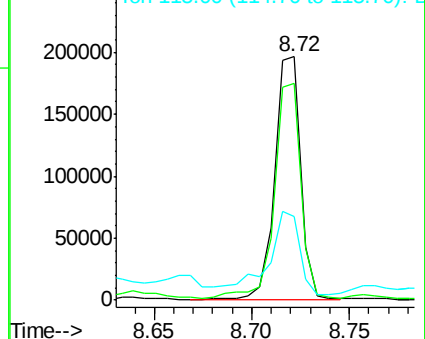
115 34.3 26.1 39.1

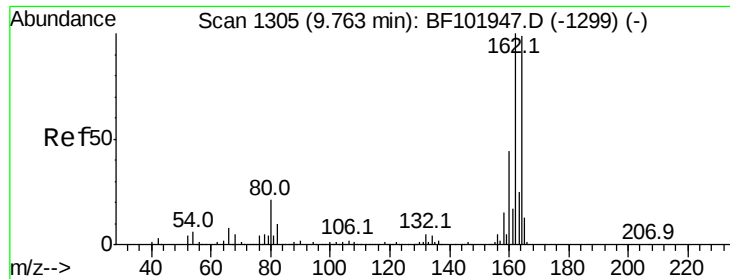


Abundance Ion 142.00 (141.70 to 142.70): BF1

Ion 141.00 (140.70 to 141.70): BF1

Ion 115.00 (114.70 to 115.70): BF1

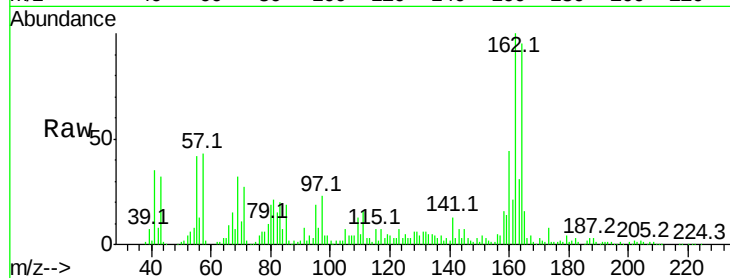




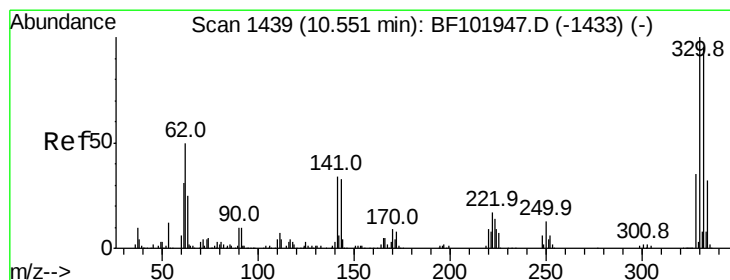
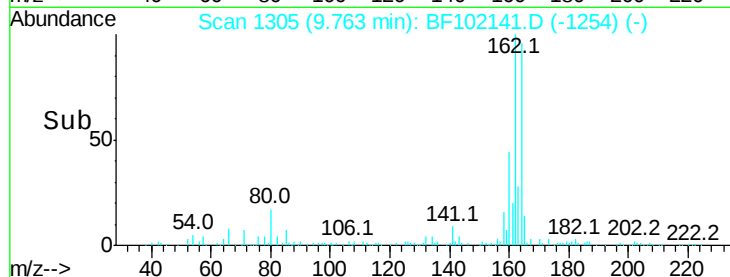
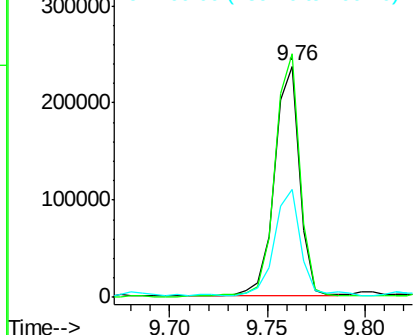
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF102141.D
Acq: 17 Jan 2018 6:25

Instrument :
BNA_F
ClientSampleId :
UST-1 14.5-15.0DL

Tot Ion:164 Resp: 212588
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 46.4 38.3 57.5

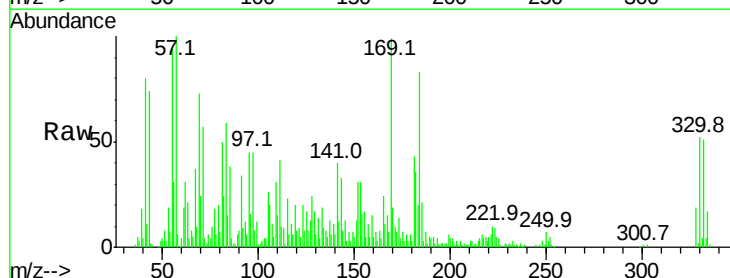


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

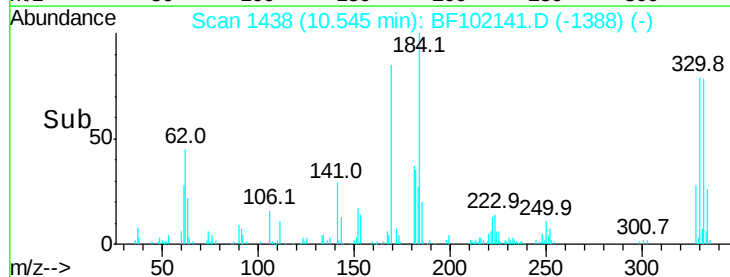
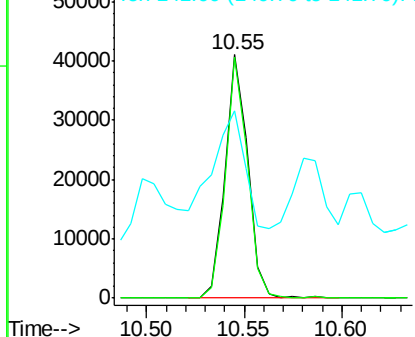


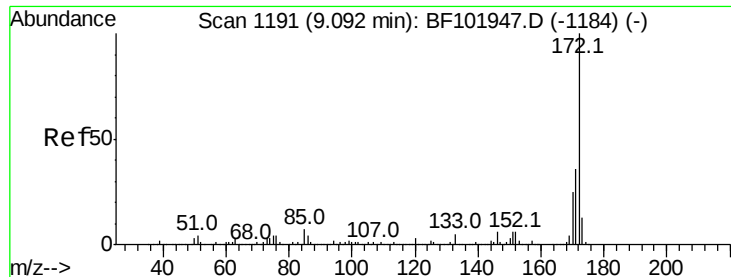
#41
2,4,6-Tribromophenol
Concen: 17.815 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102141.D
Acq: 17 Jan 2018 6:25

Tgt Ion:330 Resp: 33051
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 67.2 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

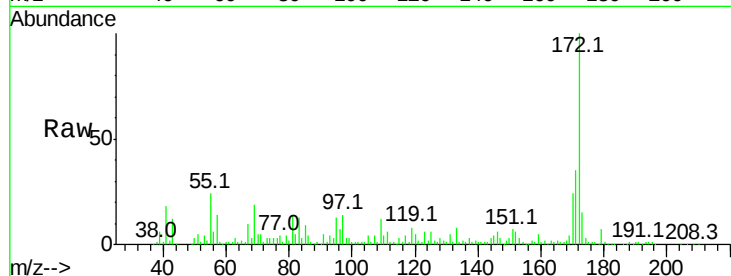




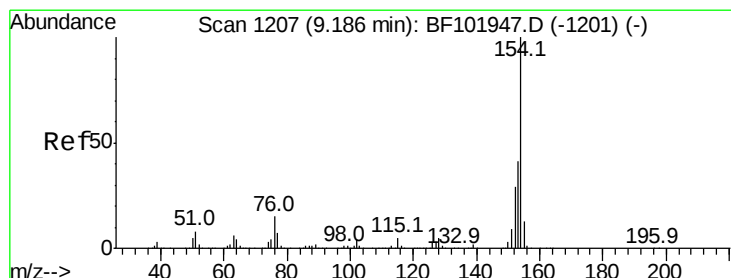
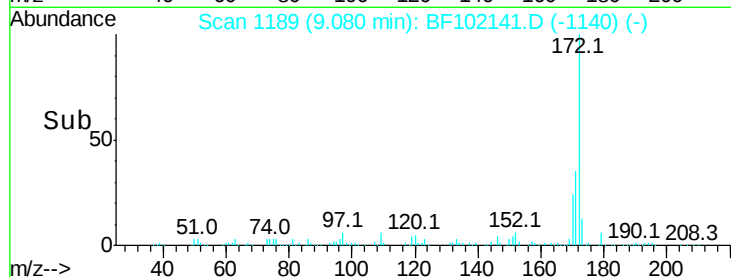
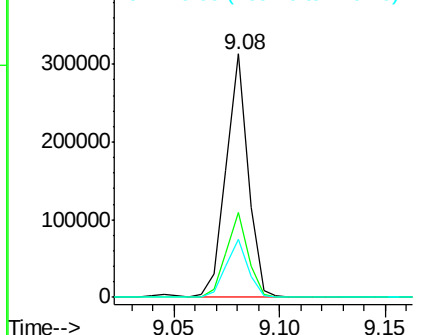
#44
2-Fluorobiphenyl
Concen: 16.515 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102141.D
Acq: 17 Jan 2018 6:25

Instrument :
BNA_F
ClientSampleId :
UST-1 14.5-15.0DL

Tot Ion:172 Resp: 224729
Ion Ratio Lower Upper
172 100
171 34.8 29.7 44.5
170 23.7 19.6 29.4

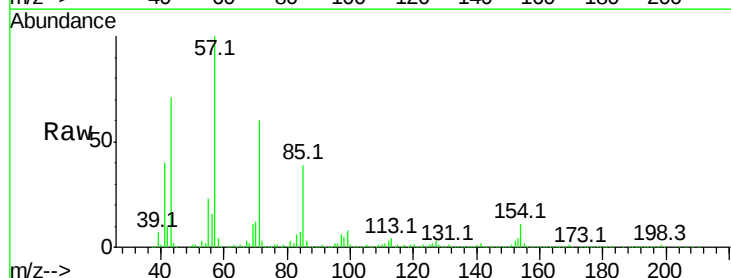


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

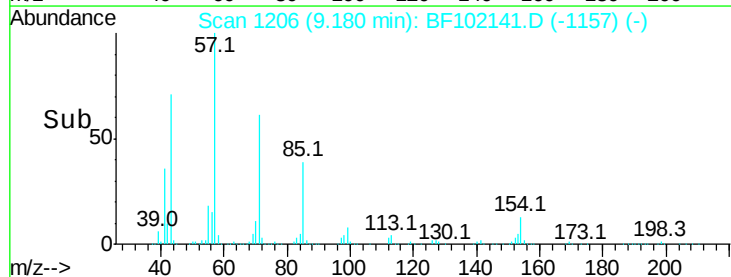
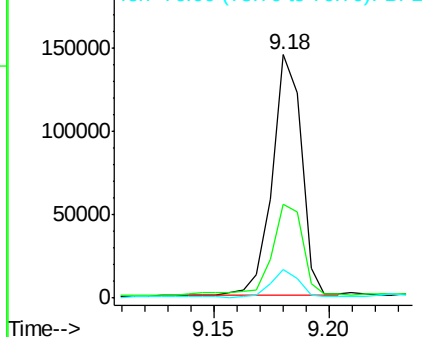


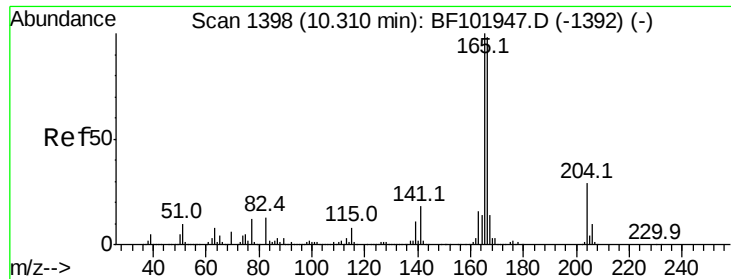
#45
1,1'-Biphenyl
Concen: 6.779 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF102141.D
Acq: 17 Jan 2018 6:25

Tgt Ion:154 Resp: 127386
Ion Ratio Lower Upper
154 100
153 38.6 21.3 61.3
76 11.7 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

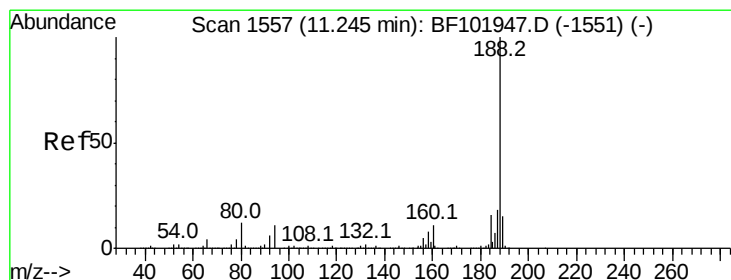
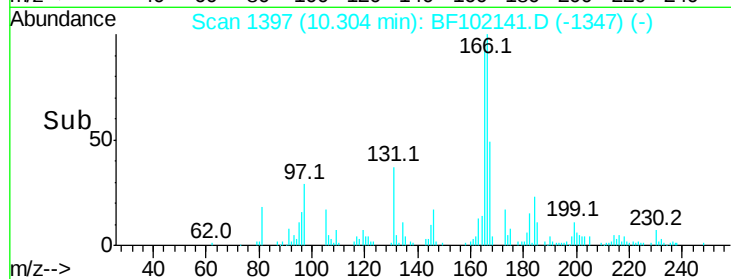
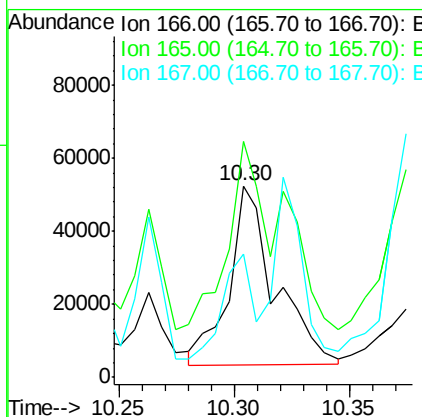
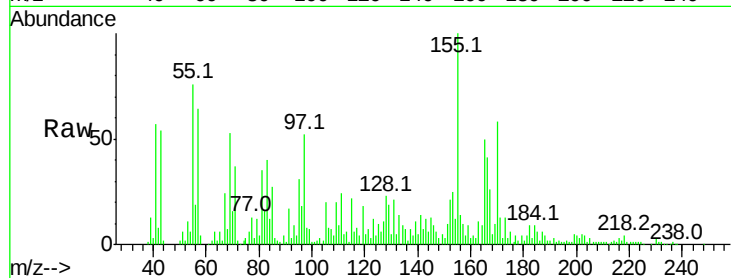




#57
Fluorene
 Concen: 5.106 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102141.D
 Acq: 17 Jan 2018 6:25

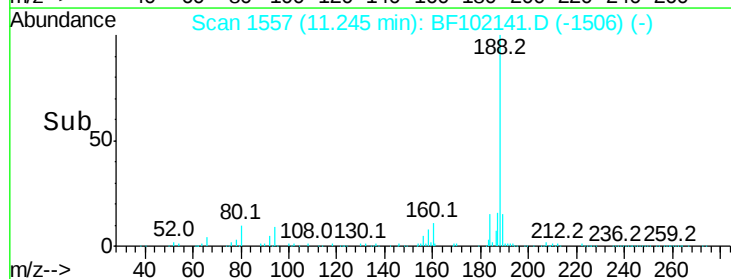
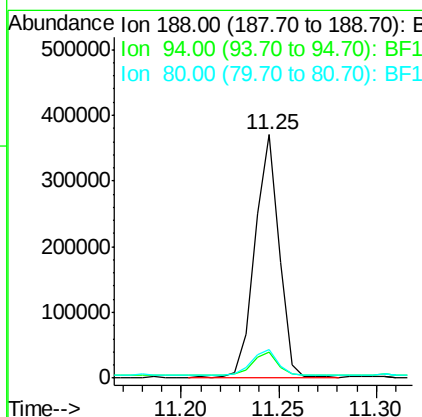
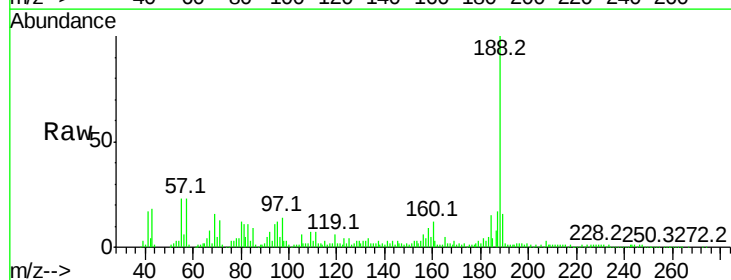
Instrument :
 BNA_F
 ClientSampleId :
 UST-1 14.5-15.0DL

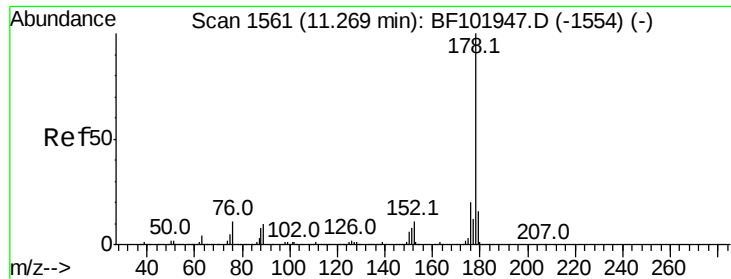
Tot Ion:166 Resp: 67995
 Ion Ratio Lower Upper
 166 100
 165 122.8 79.8 119.8#
 167 64.4 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: BF102141.D
 Acq: 17 Jan 2018 6:25

Tgt Ion:188 Resp: 314149
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.7 9.2 13.8





#70

Phenanthrene

Concen: 12.465 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

Instrument :

BNA_F

ClientSampleId :

UST-1 14.5-15.0DL

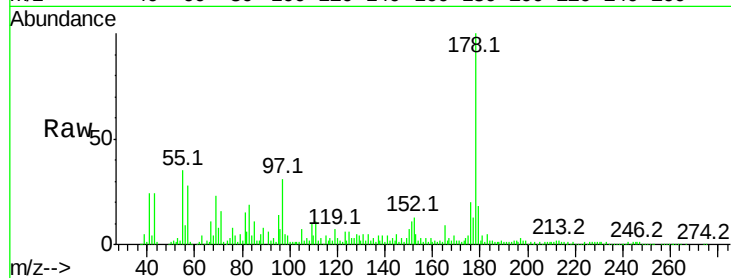
Tot Ion:178 Resp: 228738

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

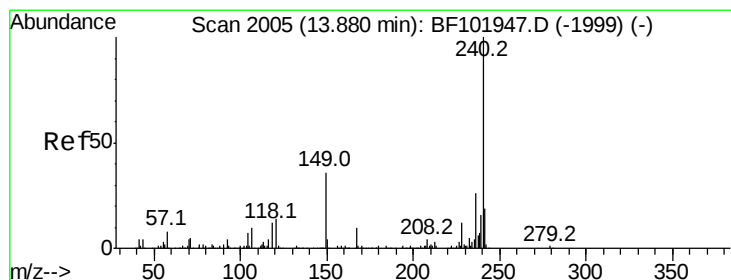
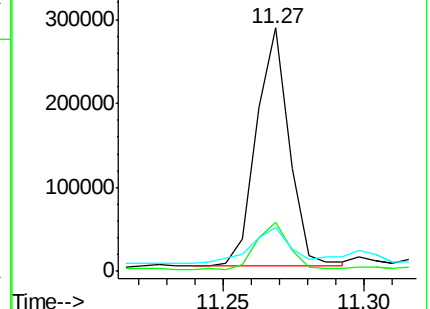
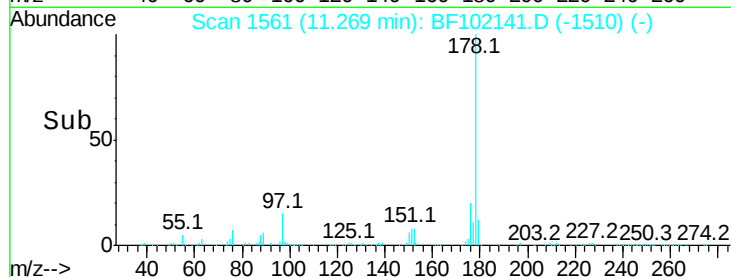
179 18.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

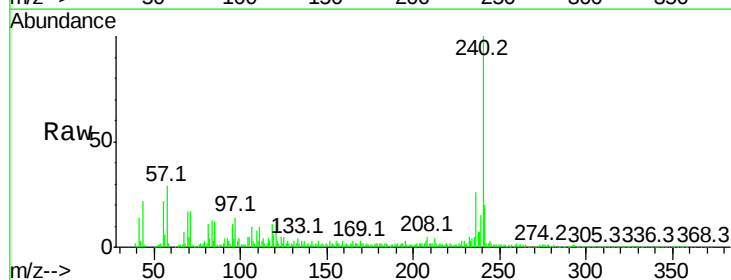
Tgt Ion:240 Resp: 231827

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

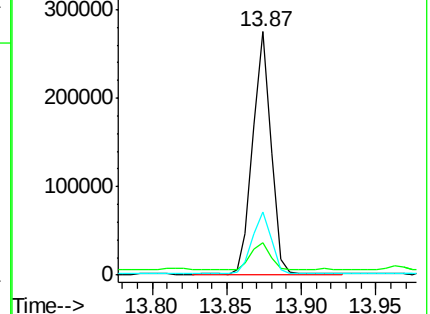
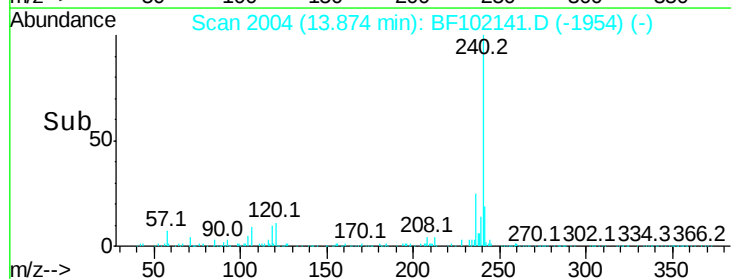
236 26.0 20.7 31.1

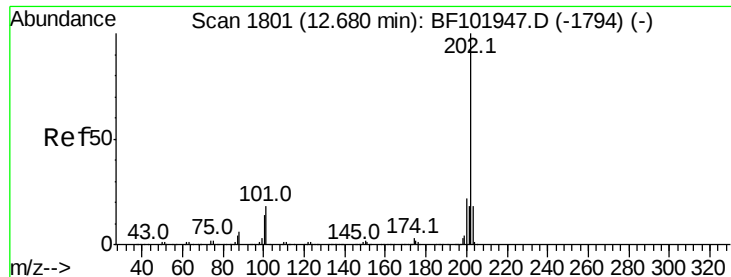


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.915 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

Instrument :

BNA_F

ClientSampleId :

UST-1 14.5-15.0DL

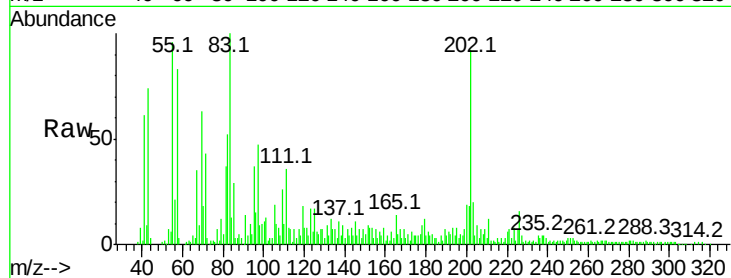
Tot Ion:202 Resp: 80228

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

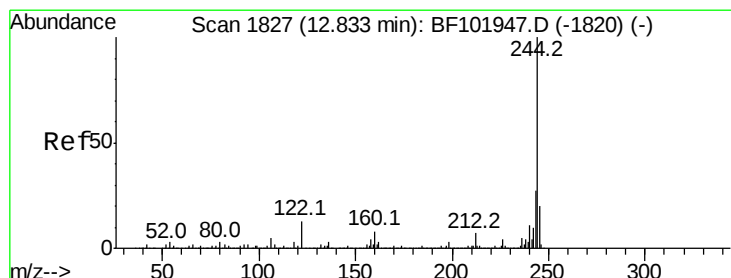
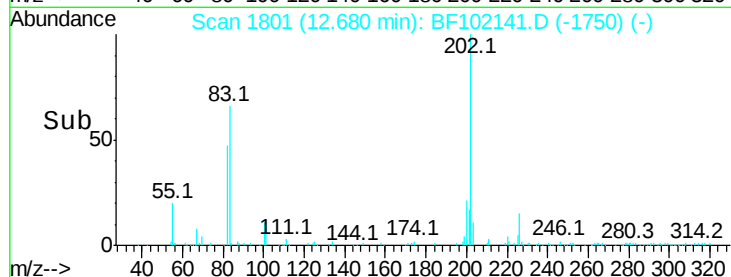
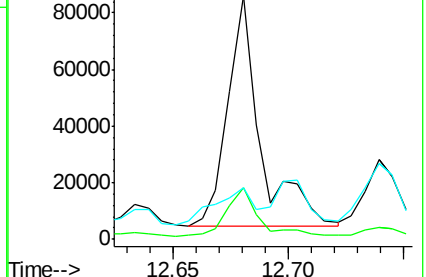
203 21.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 12.422 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

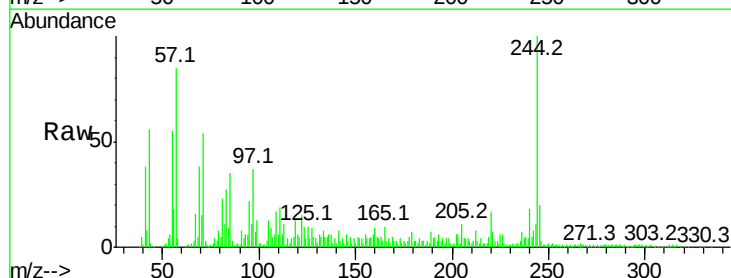
Tgt Ion:244 Resp: 138704

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

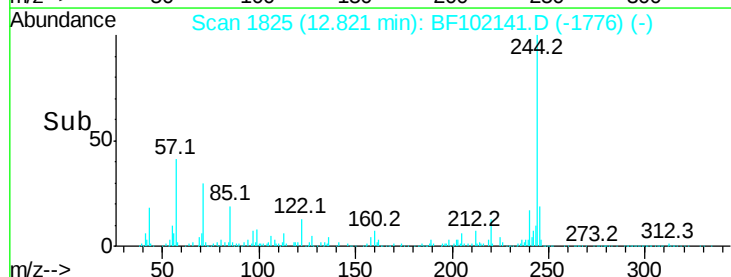
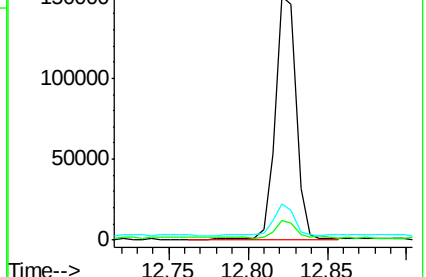
122 15.1 11.0 16.4

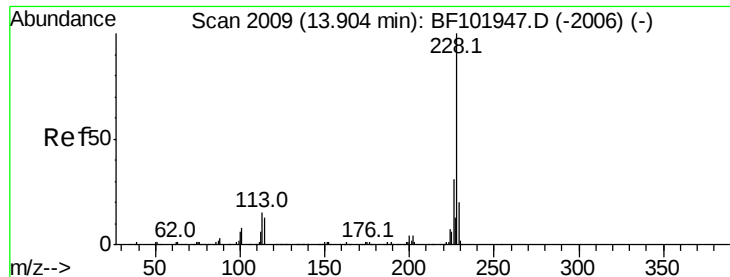


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.486 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

Instrument :

BNA_F

ClientSampleId :

UST-1 14.5-15.0DL

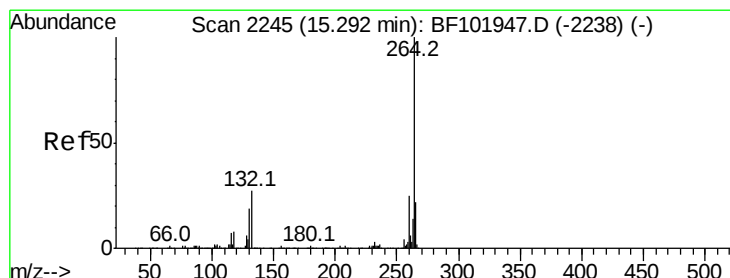
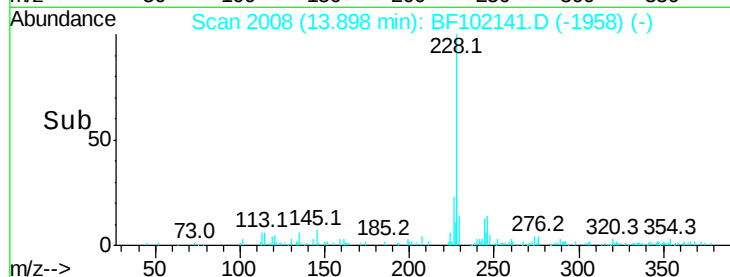
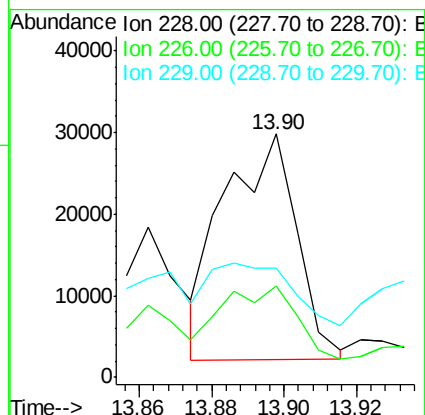
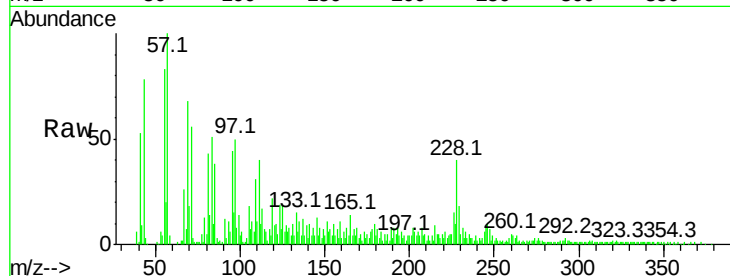
Tot Ion:228 Resp: 38349

Ion Ratio Lower Upper

228 100

226 37.7 25.0 37.6#

229 45.0 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BF102141.D

Acq: 17 Jan 2018 6:25

Tgt Ion:264 Resp: 229692

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 22.4 17.5 26.3

