

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072318\
 Data File : BF107582.D
 Acq On : 23 Jul 2018 12:37
 Operator : JU/SJ
 Sample : J3820-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-071918

Quant Time: Jul 23 13:26:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	349512	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1357456	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	627983	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	1225927	20.00	ng	0.00
75) Chrysene-d12	14.16	240	777644	20.00	ng	0.00
86) Perylene-d12	15.69	264	832261	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	2054865	94.53	ng	0.00
7) Phenol-d6	6.61	99	2485608	95.23	ng	0.00
23) Nitrobenzene-d5	7.54	82	1639159	81.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	780683	109.32	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2651171	68.46	ng	0.00
78) Terphenyl-d14	13.10	244	2315207	76.22	ng	0.00

Target Compounds

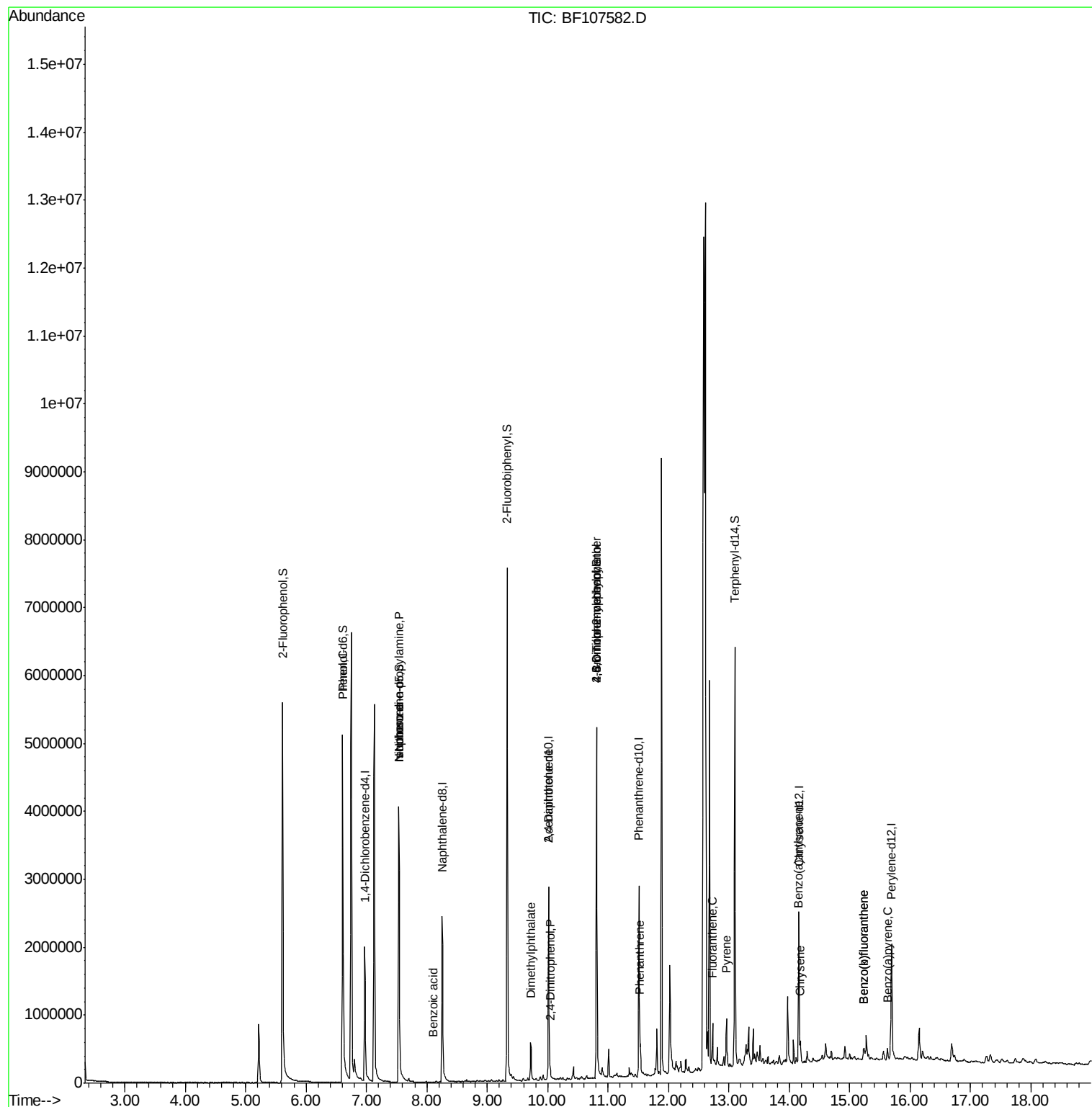
					Qvalue	
9) Benzaldehyde	6.61	77	4242	Below Cal	#	1
10) Phenol	6.62	94	82923	2.701 ng	#	55
19) n-Nitroso-di-n-propylamine	7.54	70	219144	12.996 ng	#	80
25) Isophorone	7.54	82	1639151	38.167 ng	#	64
32) Benzoic acid	8.10	122	114	7.907 ng	#	34
49) Dimethylphthalate	9.72	163	232675	4.916 ng		99
53) 2,4-Dinitrophenol	10.04	184	125	8.319 ng	#	1
56) 2,4-Dinitrotoluene	10.01	165	80106	7.062 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.81	198	1474	8.885 ng	#	1
66) 4-Bromophenyl-phenylether	10.81	248	45864	3.178 ng	#	1
70) Phenanthrene	11.54	178	171763	2.875 ng		97
73) Di-n-butylphthalate	12.05	149	83041	Below Cal		99
74) Fluoranthene	12.73	202	262990	4.102 ng		96
77) Pyrene	12.96	202	298199	5.606 ng		98
80) Benzo(a)anthracene	14.15	228	96925	2.127 ng		96
81) 3,3'-Dichlorobenzidine	14.11	252	304	Below Cal	#	33
82) Chrysene	14.18	228	116587	2.663 ng		98
87) Benzo(b)fluoranthene	15.24	252	149094	3.273 ng	#	93
88) Benzo(k)fluoranthene	15.24	252	149094	3.341 ng		96
89) Benzo(a)pyrene	15.62	252	94351	2.265 ng		98

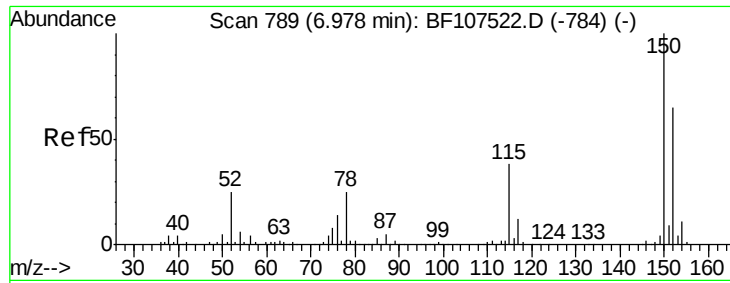
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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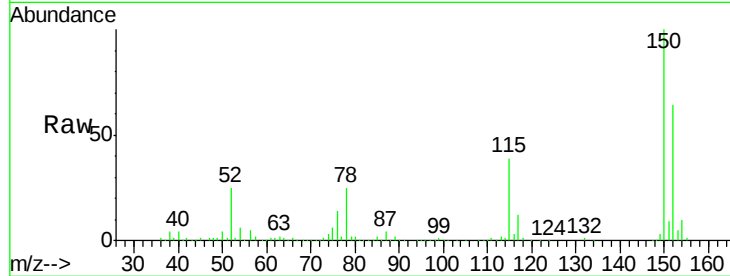


#1

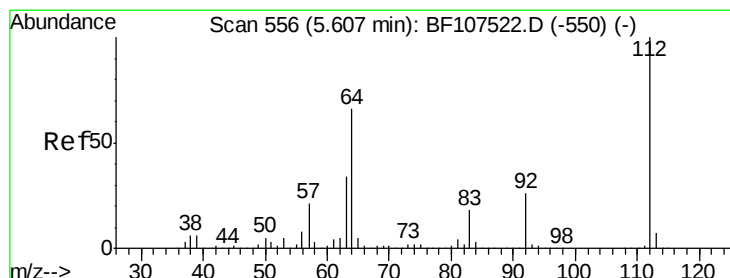
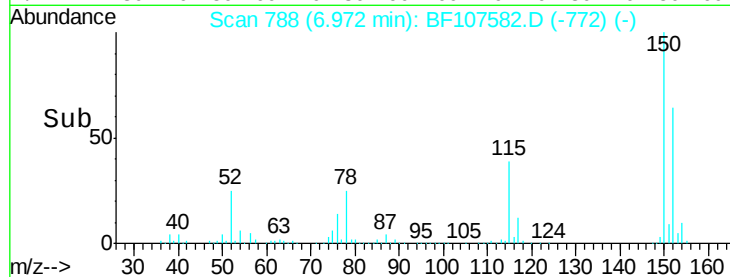
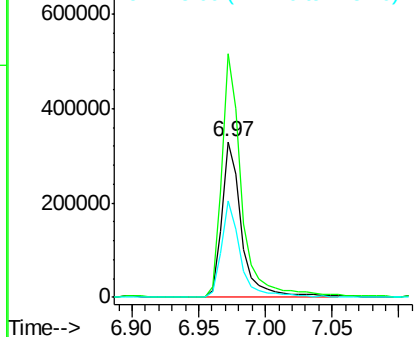
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

Instrument :
BNA_F
ClientSampleId :
BU-01-071918

Tgt Ion:152 Resp: 349512
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 61.6 50.1 75.1



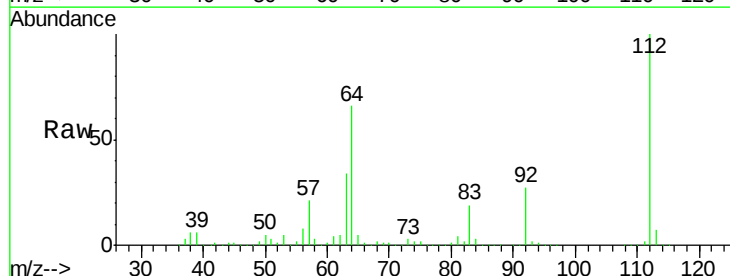
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



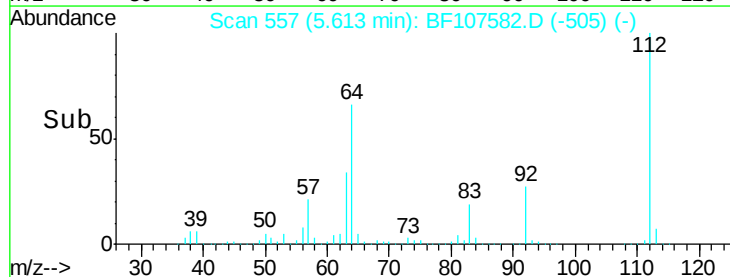
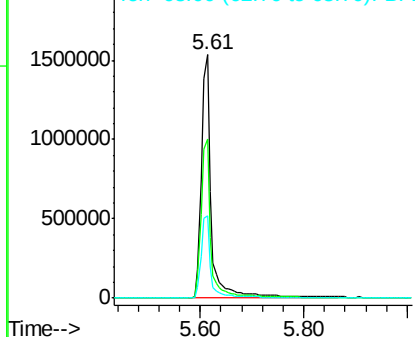
#5

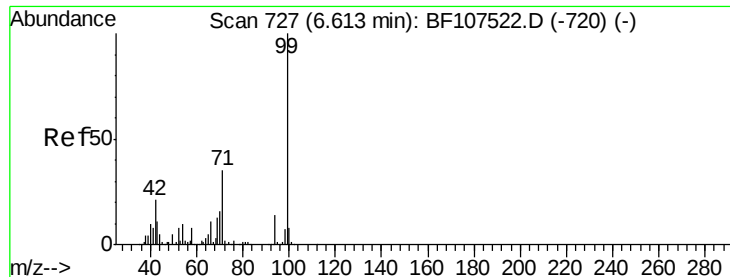
2-Fluorophenol
Concen: 94.527 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

Tgt Ion:112 Resp: 2054865
Ion Ratio Lower Upper
112 100
64 65.6 47.9 71.9
63 34.0 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: 95.226 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

Instrument :

BNA_F

ClientSampleId :

BU-01-071918

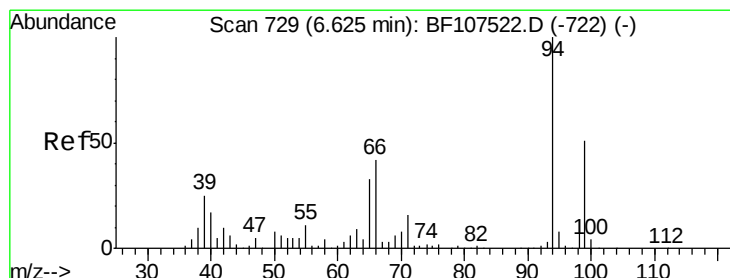
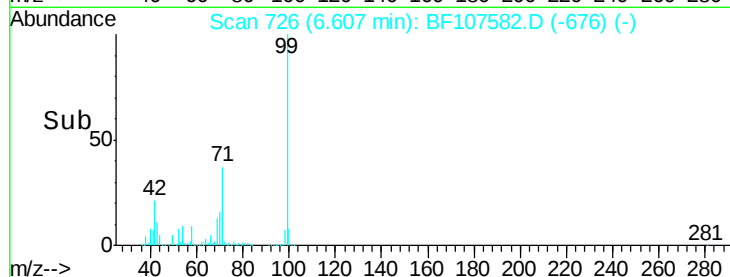
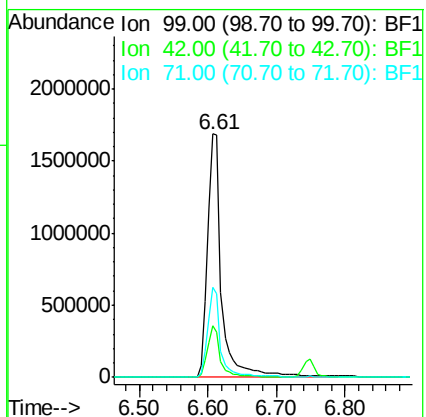
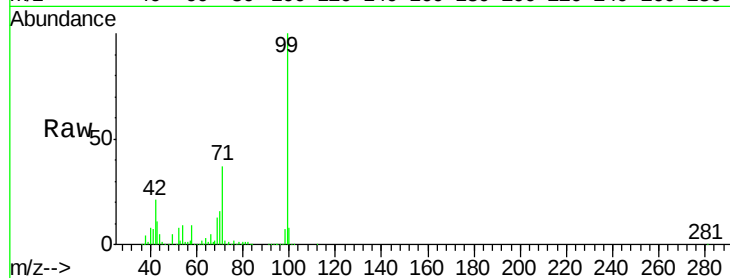
Tgt Ion: 99 Resp: 2485608

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 36.9 25.4 38.0



#10

Phenol

Concen: 2.701 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

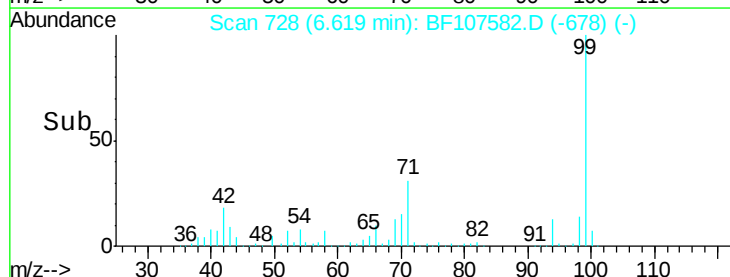
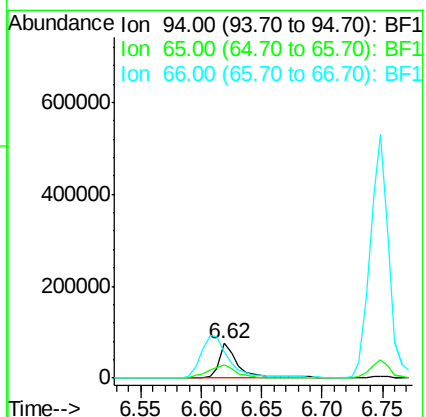
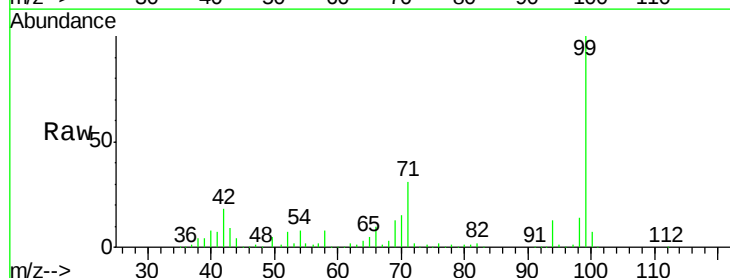
Tgt Ion: 94 Resp: 82923

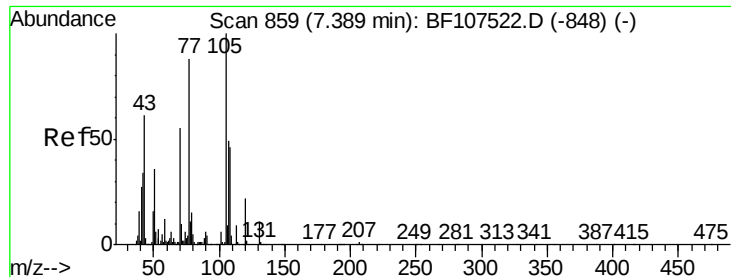
Ion Ratio Lower Upper

94 100

65 38.1 7.9 47.9

66 74.5 16.2 56.2#

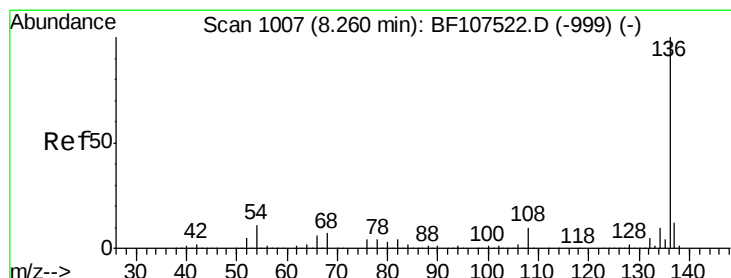
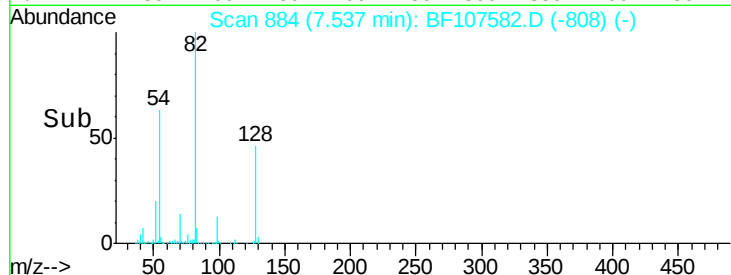
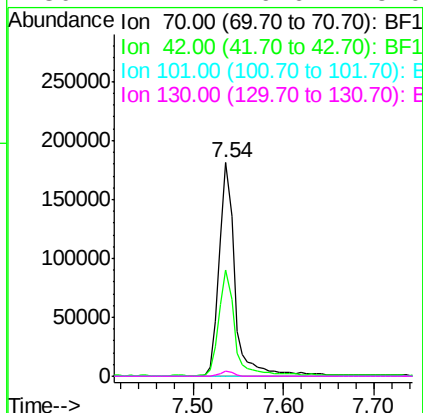
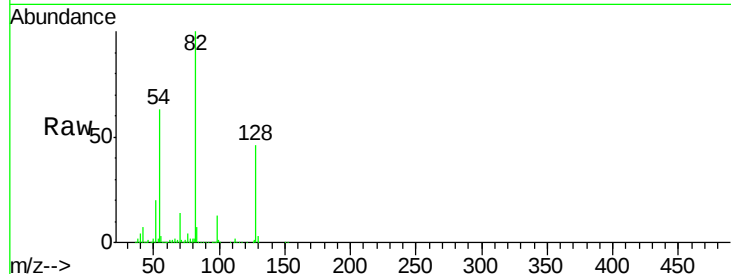




#19
n-Nitroso-di-n-propylamine
Concen: 12.996 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

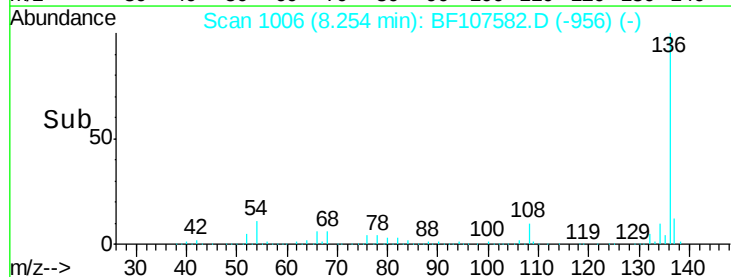
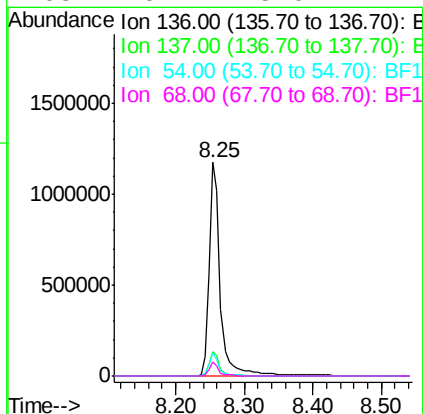
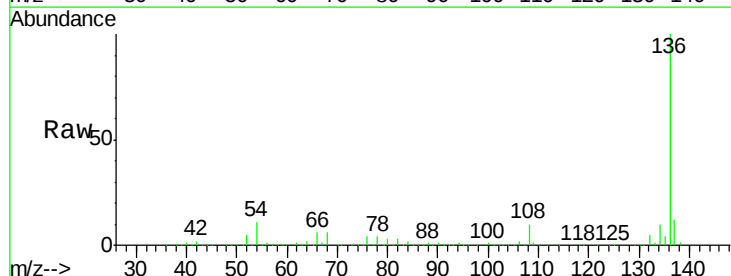
Instrument :
BNA_F
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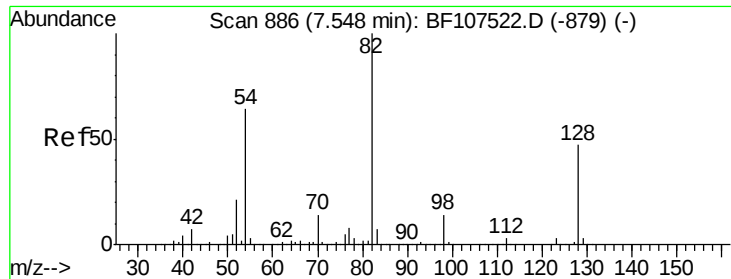
Tgt Ion: 70 Resp: 219144
Ion Ratio Lower Upper
70 100
42 50.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

Tgt Ion: 136 Resp: 1357456
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 10.7 6.6 9.8#
68 6.4 5.0 7.4

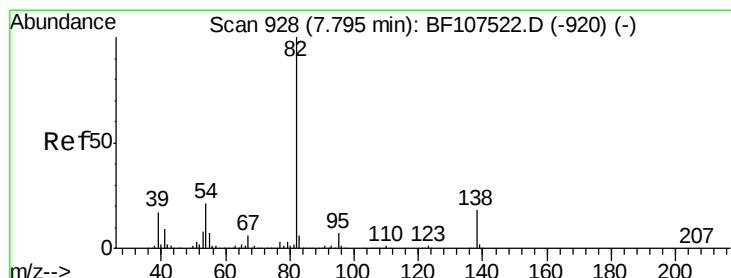
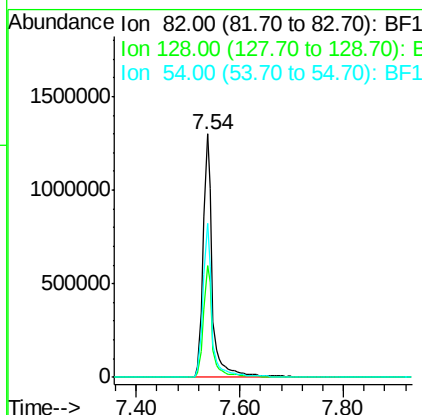
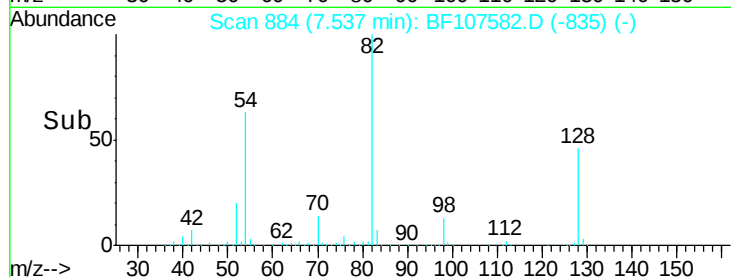
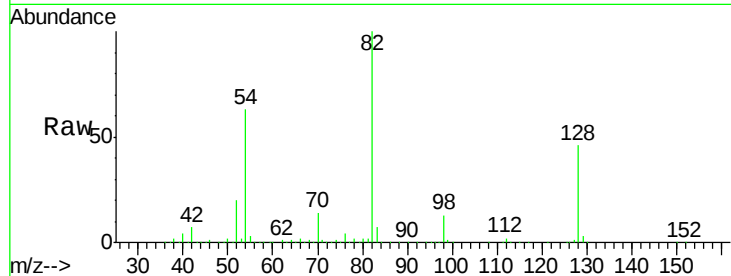




#23
Nitrobenzene-d5
Concen: 81.493 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

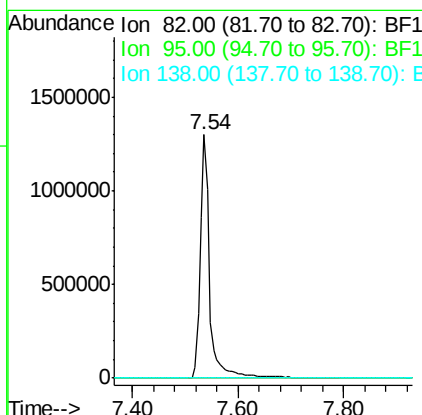
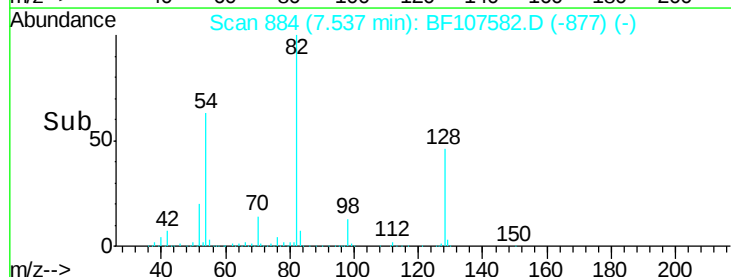
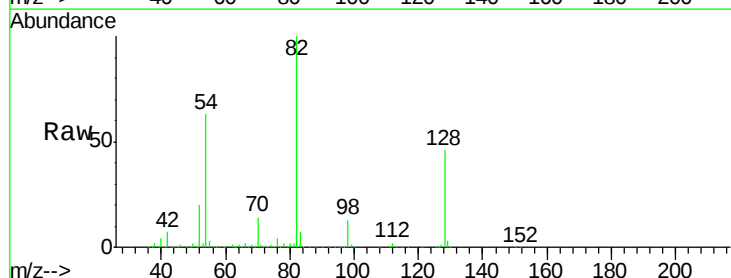
Instrument :
BNA_F
ClientSampleId :
BU-01-071918

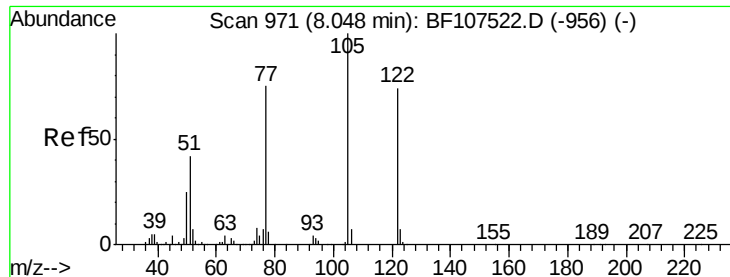
Tgt Ion: 82 Resp: 1639159
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 63.1 41.4 62.2#



#25
Isophorone
Concen: 38.167 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

Tgt Ion: 82 Resp: 1639151
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 7.907 ng

RT: 8.10 min Scan# 980

Delta R.T. 0.05 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

Instrument :

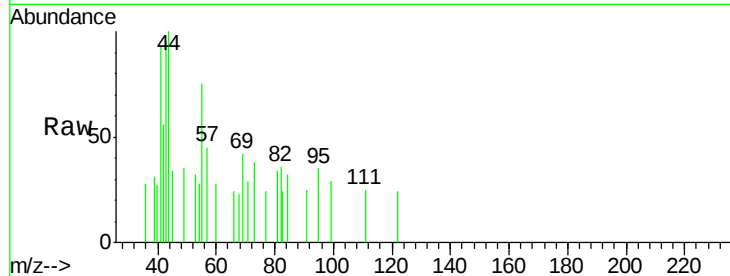
BNA_F

ClientSampleId :

BU-01-071918

Tgt Ion:122 Resp: 114

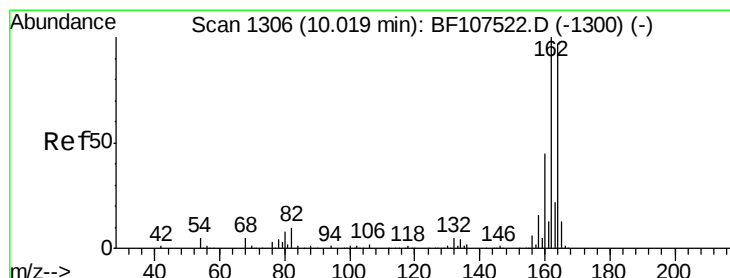
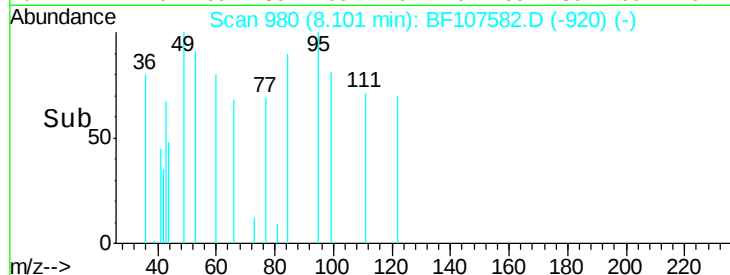
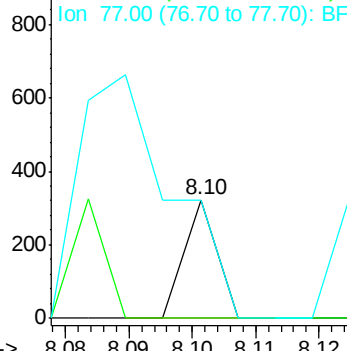
Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	99.4	70.7	110.7



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: 20.000 ng

RT: 10.01 min Scan# 1305

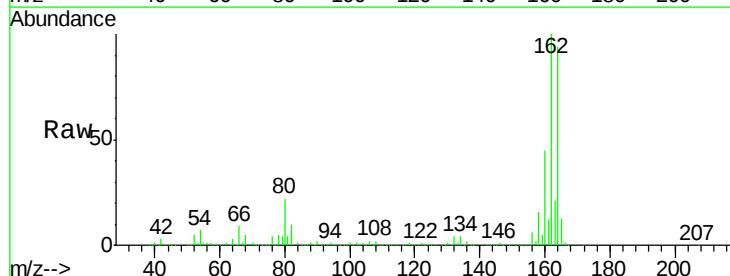
Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

Tgt Ion:164 Resp: 627983

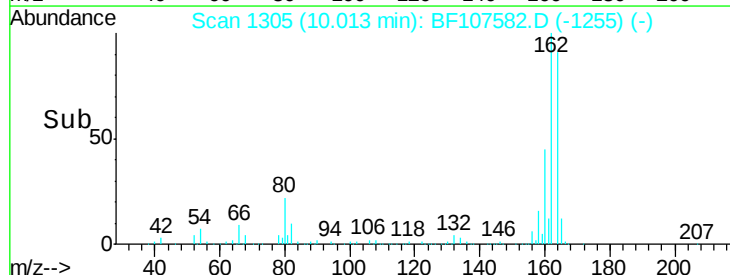
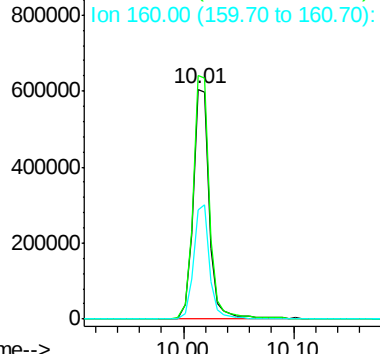
Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	47.3	38.3	57.5

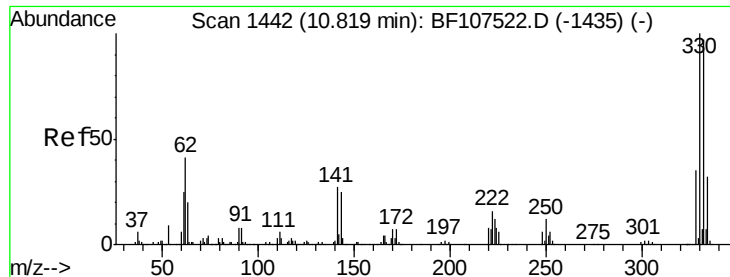


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

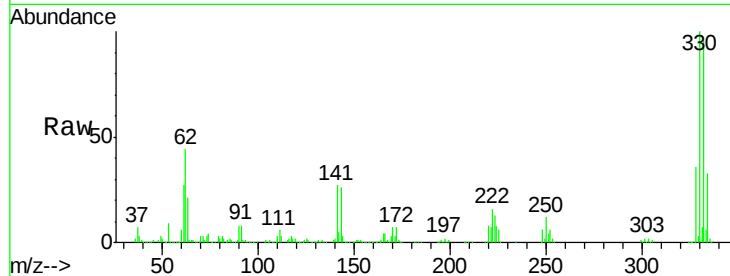




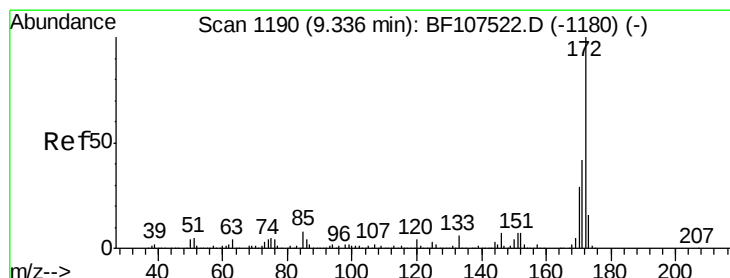
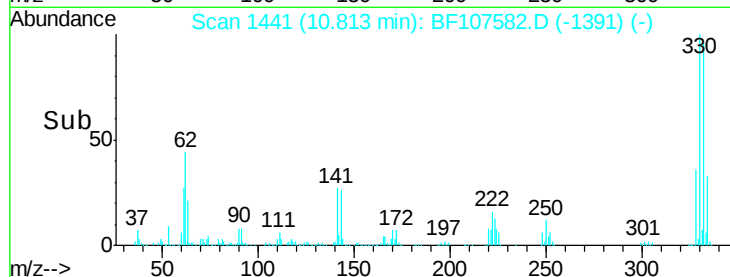
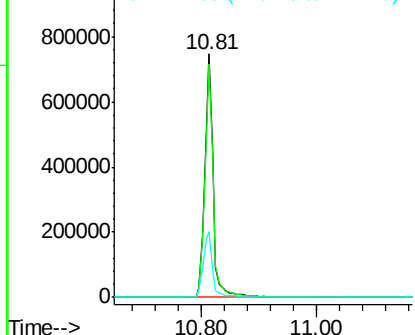
#41
 2,4,6-Tribromophenol
 Concen: 109.322 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107582.D
 Acq: 23 Jul 2018 12:37

Instrument :
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 BU-01-071918

Tgt Ion:330 Resp: 780683
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 29.3 29.9 44.9#

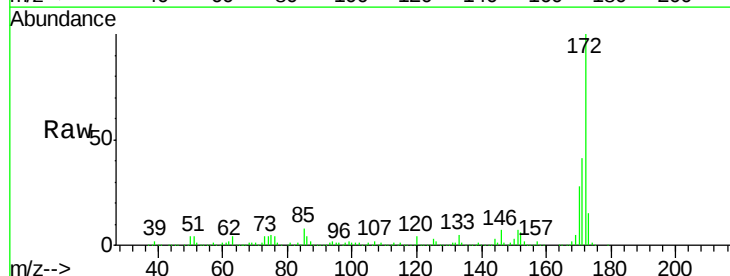


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

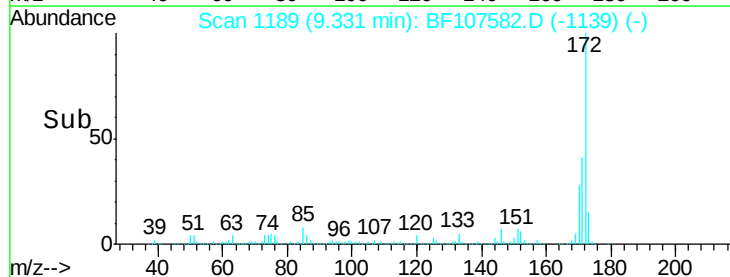
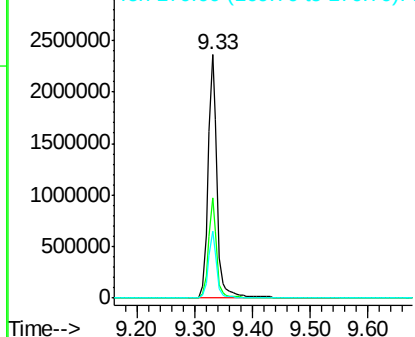


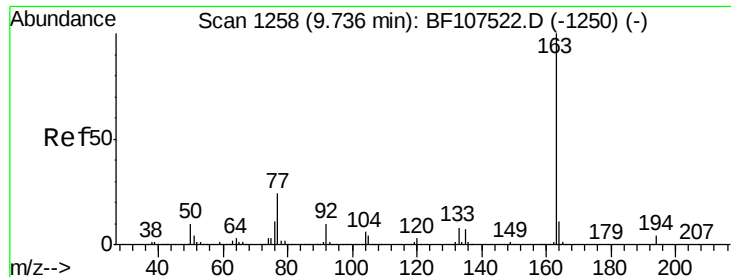
#44
 2-Fluorobiphenyl
 Concen: 68.460 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107582.D
 Acq: 23 Jul 2018 12:37

Tgt Ion:172 Resp: 2651171
 Ion Ratio Lower Upper
 172 100
 171 41.0 29.7 44.5
 170 27.6 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

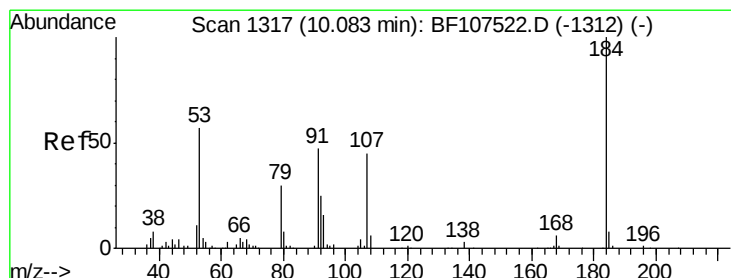
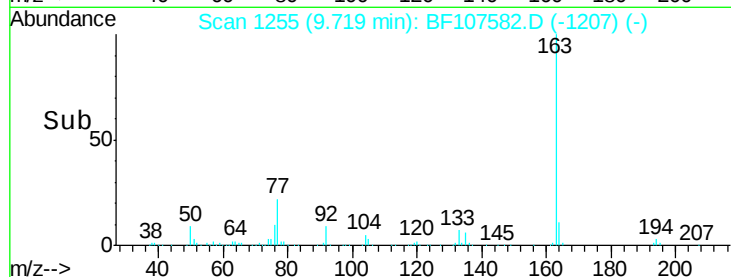
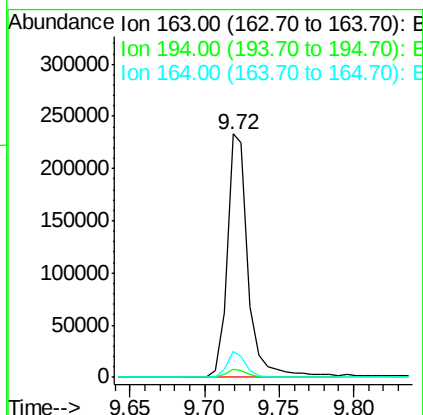
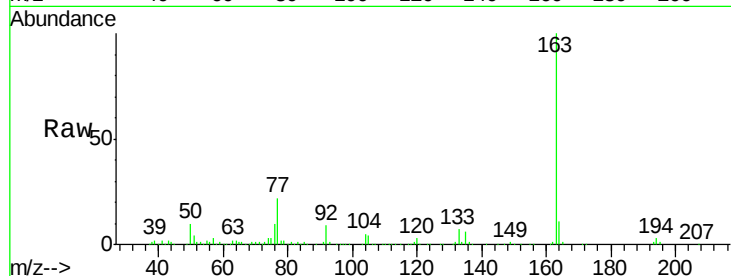




#49
Dimethylphthalate
Concen: 4.916 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

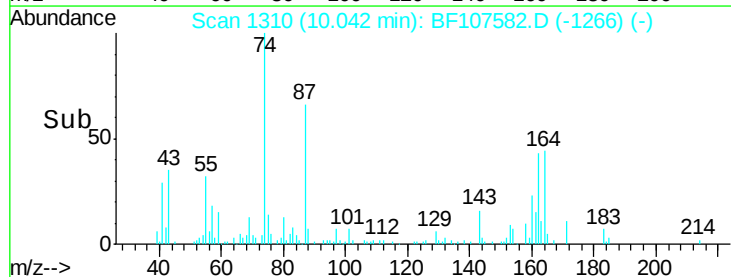
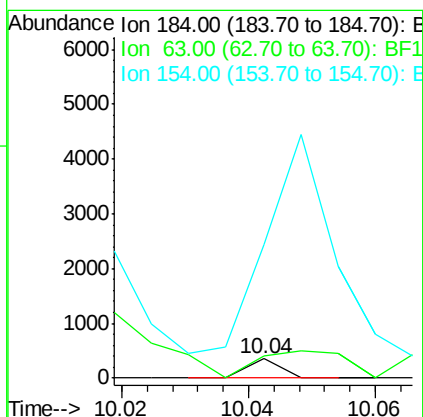
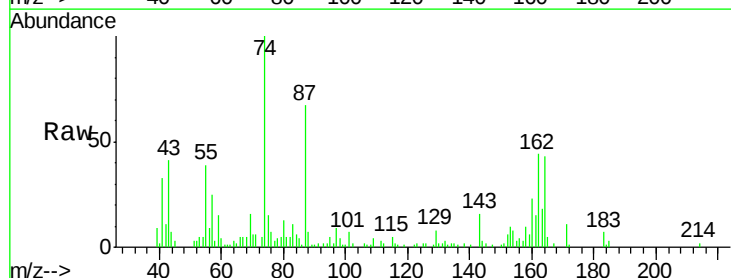
Instrument :
BNA_F
ClientSampleId :
BU-01-071918

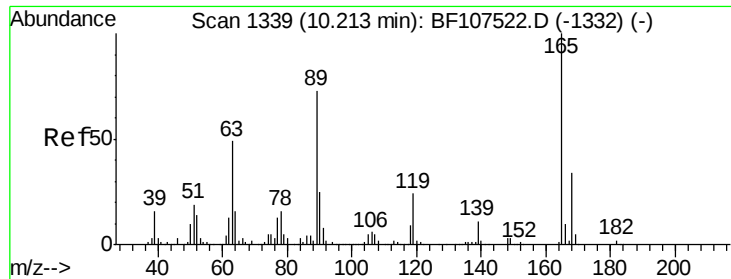
Tgt Ion:163 Resp: 232675
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.6 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 8.319 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.04 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

Tgt Ion:184 Resp: 125
Ion Ratio Lower Upper
184 100
63 115.0 54.2 81.2#
154 688.4 184.0 276.0#

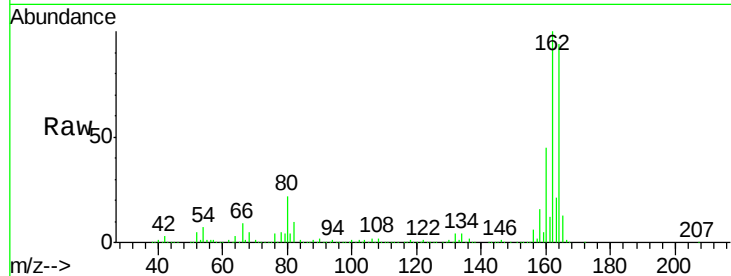




#56
 2,4-Dinitrotoluene
 Concen: 7.062 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF107582.D
 Acq: 23 Jul 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-071918

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



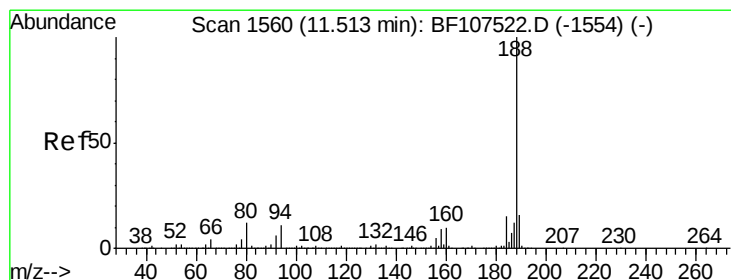
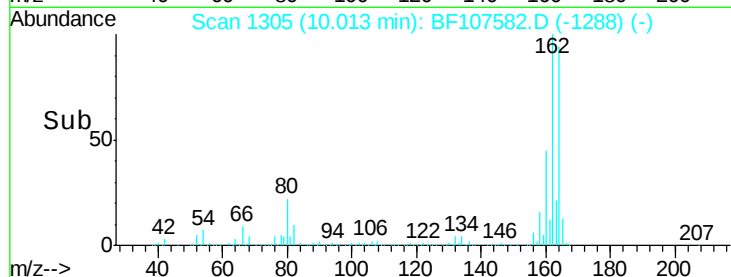
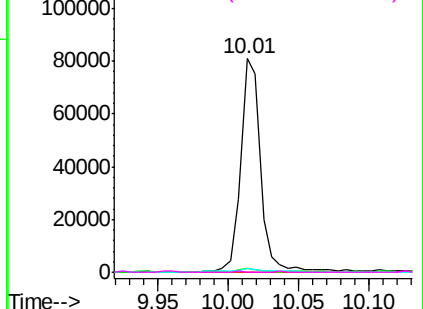
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

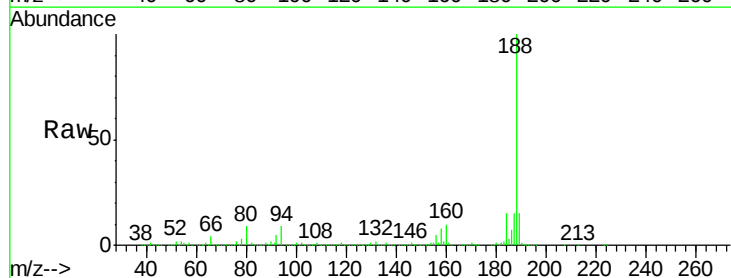
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF107582.D
 Acq: 23 Jul 2018 12:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.4	9.2	13.8

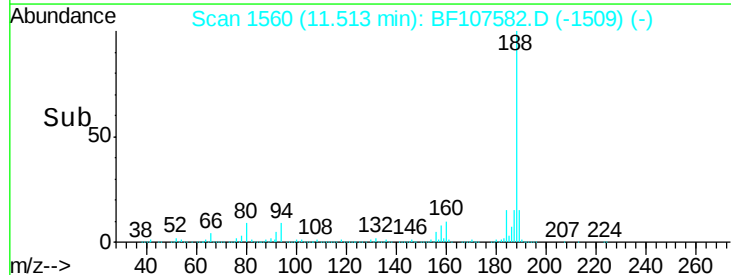
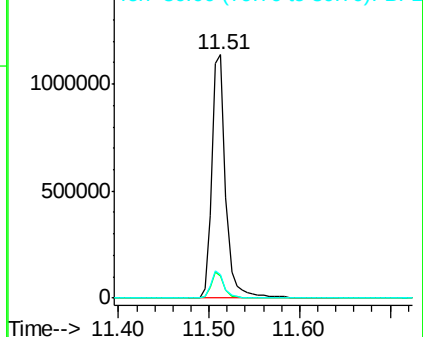


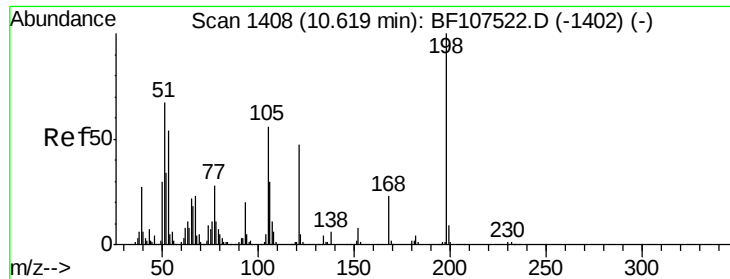
Abundance

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: 8.885 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

Instrument :

BNA_F

ClientSampleId :

BU-01-071918

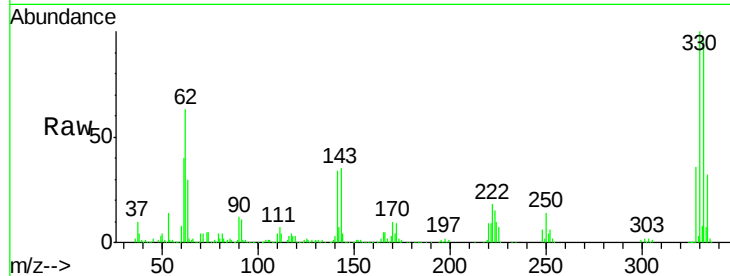
Tgt Ion:198 Resp: 1474

Ion Ratio Lower Upper

198 100

51 190.4 37.7 77.7#

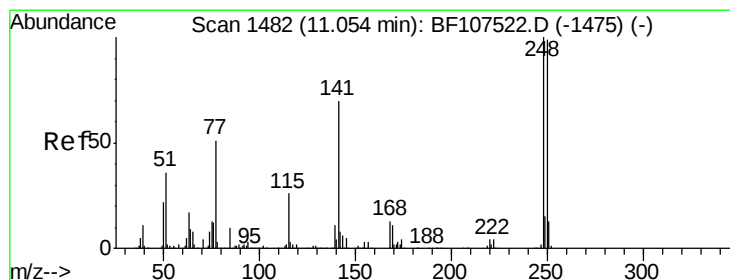
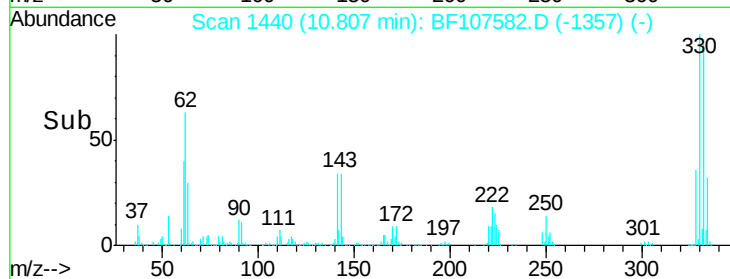
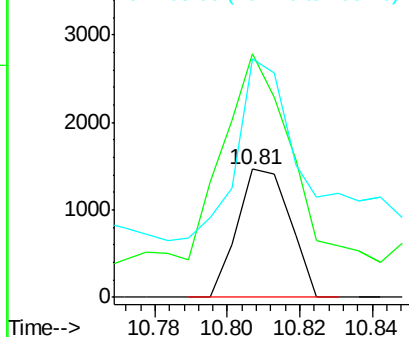
105 186.6 36.3 76.3#



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: 3.178 ng

RT: 10.81 min Scan# 1441

Delta R.T. -0.24 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

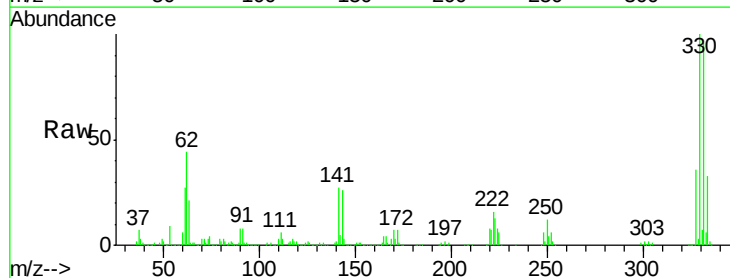
Tgt Ion:248 Resp: 45864

Ion Ratio Lower Upper

248 100

250 197.0 76.9 115.3#

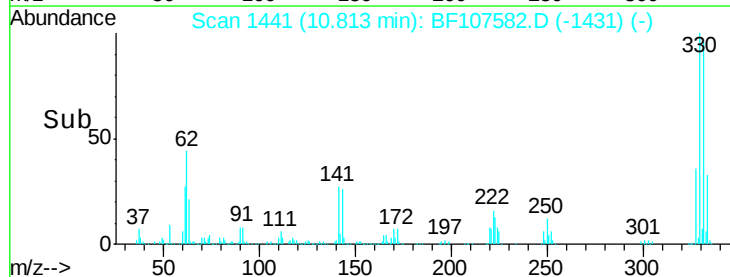
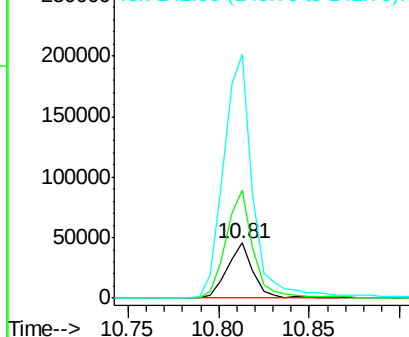
141 442.2 74.4 111.6#

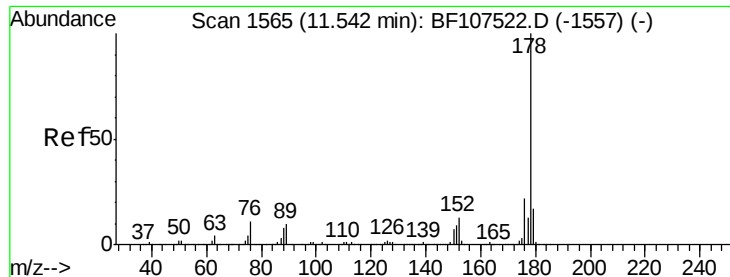


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.875 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

Instrument :

BNA_F

ClientSampleId :

BU-01-071918

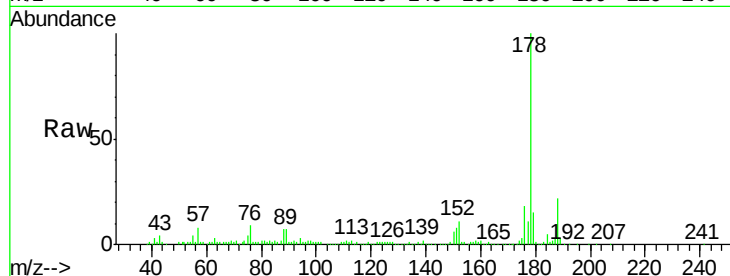
Tgt Ion:178 Resp: 171763

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

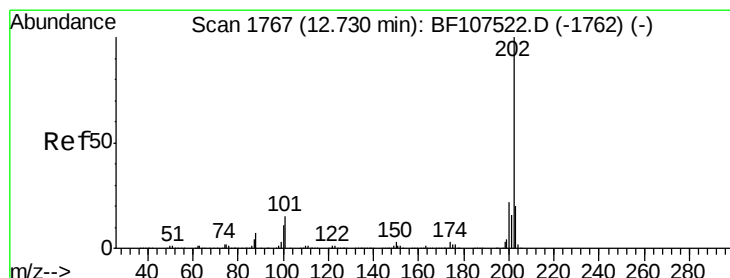
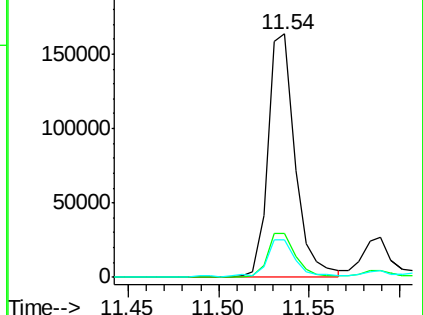
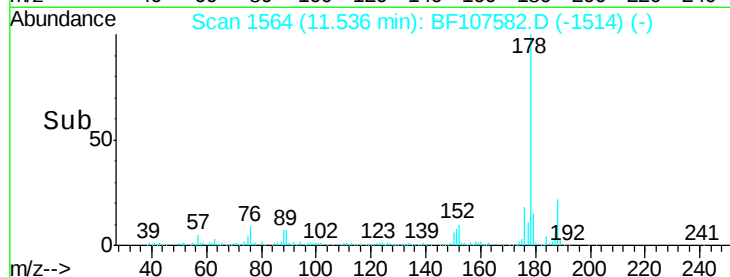
179 15.5 13.0 19.6



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



#74

Fluoranthene

Concen: 4.102 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

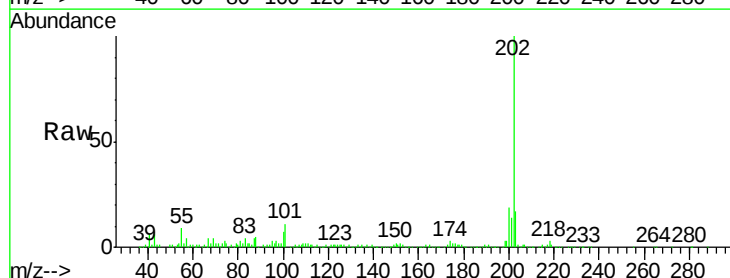
Tgt Ion:202 Resp: 262990

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

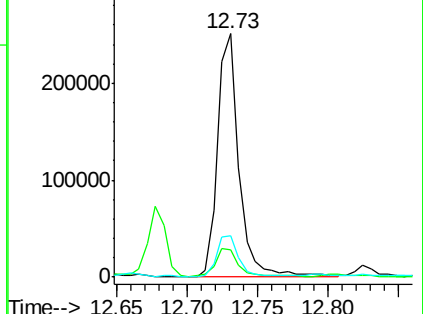
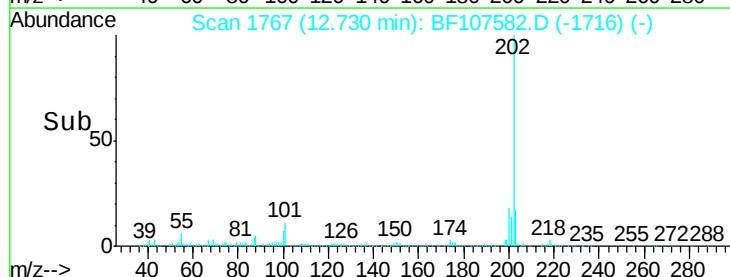
203 17.2 0.0 38.1

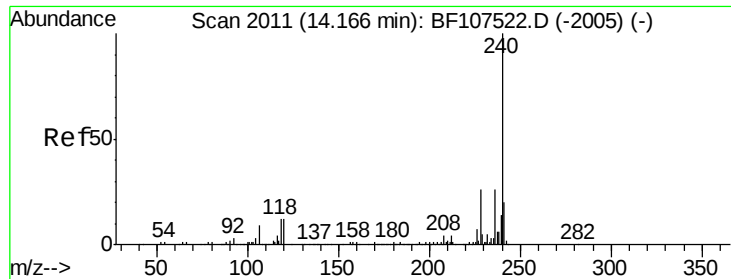


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

Instrument :

BNA_F

ClientSampleId :

BU-01-071918

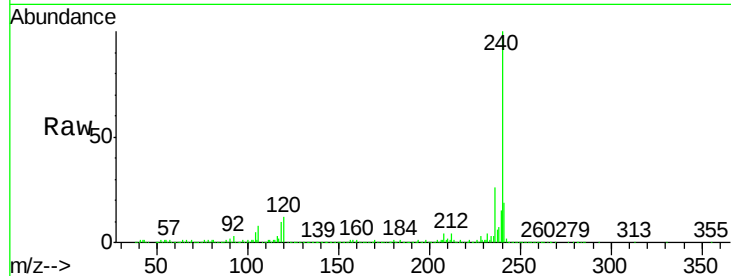
Tgt Ion:240 Resp: 777644

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

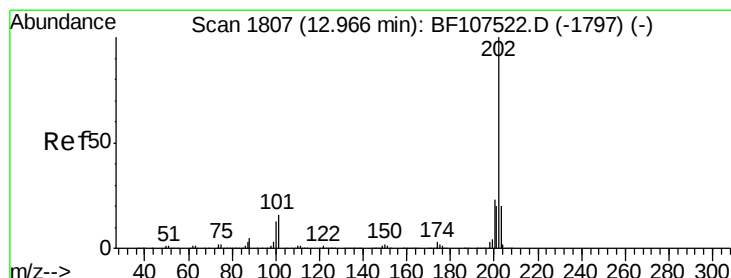
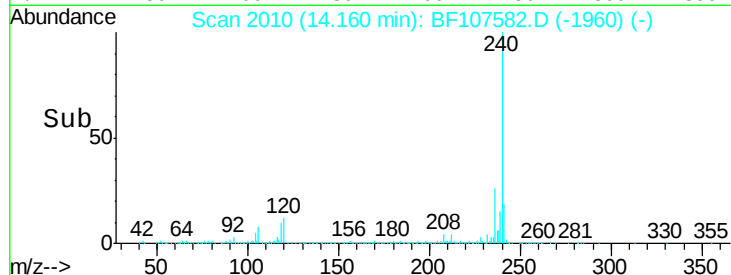
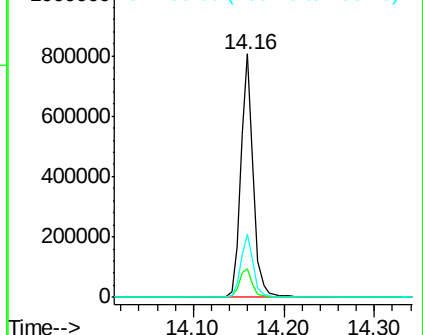
236 26.1 20.7 31.1



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

Pyrene

Concen: 5.606 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

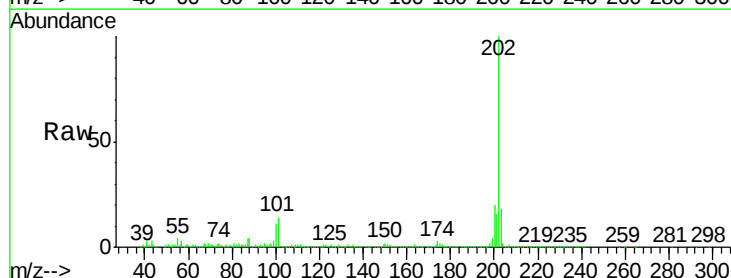
Tgt Ion:202 Resp: 298199

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

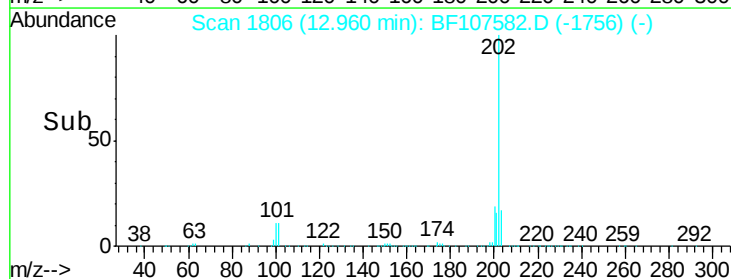
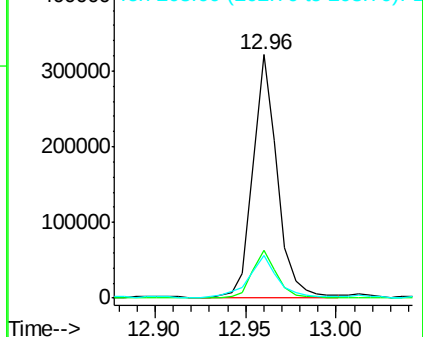
203 17.8 14.3 21.5

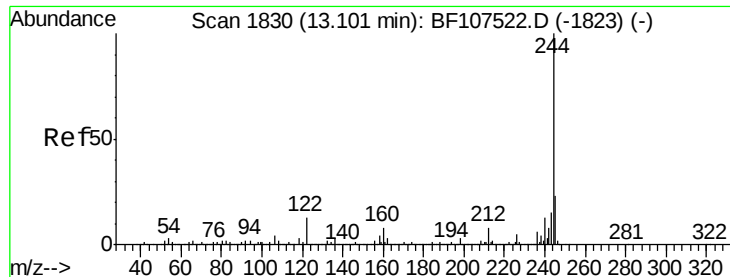


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.219 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

Instrument :

BNA_F

ClientSampleId :

BU-01-071918

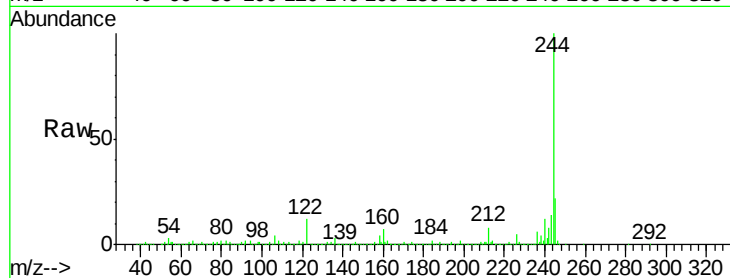
Tgt Ion:244 Resp: 2315207

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

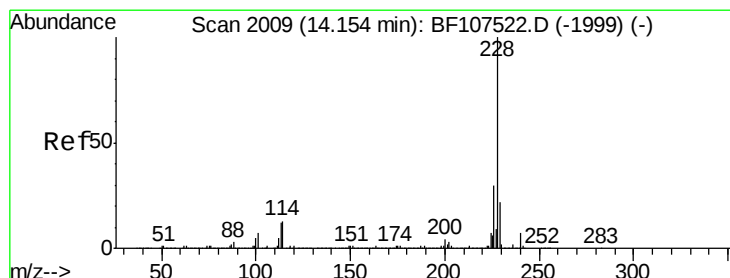
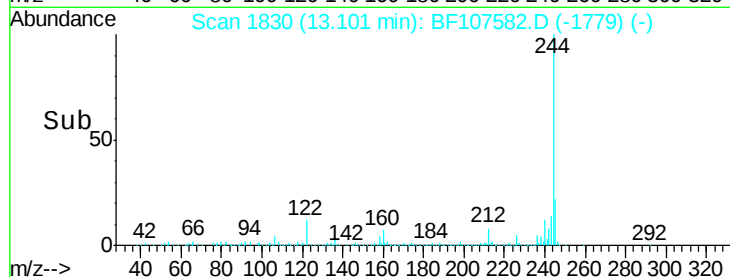
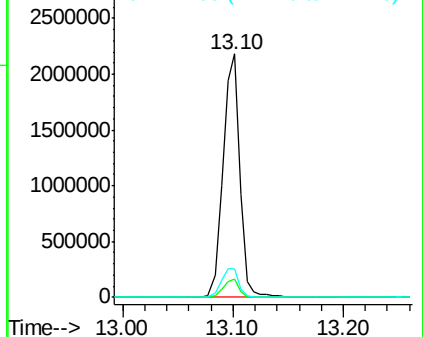
122 11.8 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 2.127 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

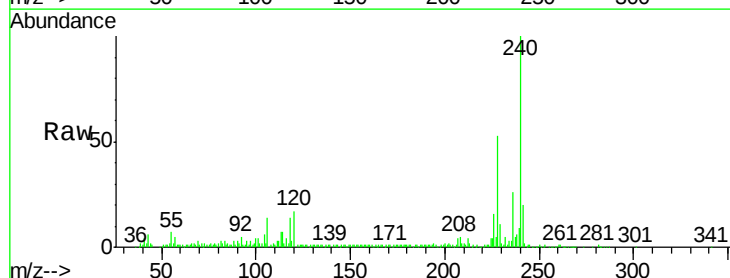
Tgt Ion:228 Resp: 96925

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

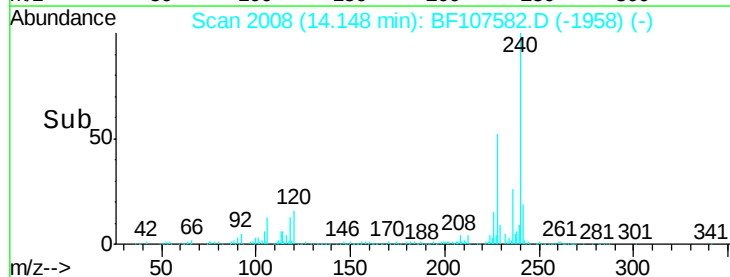
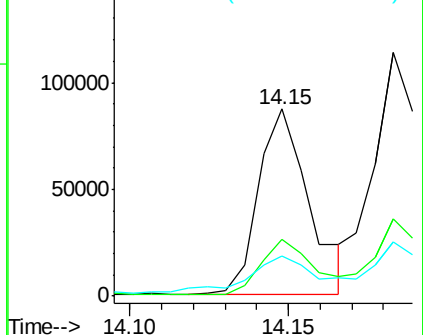
229 21.4 15.8 23.6

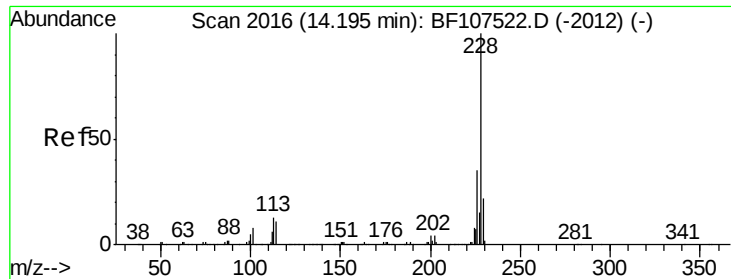


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

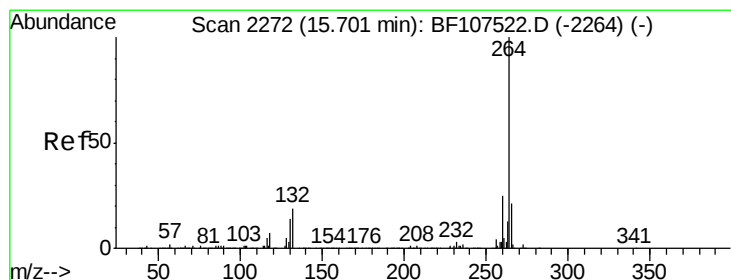
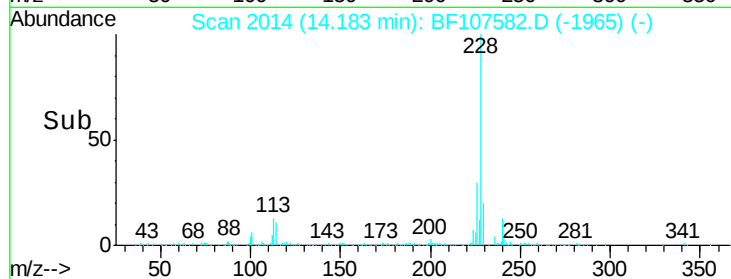
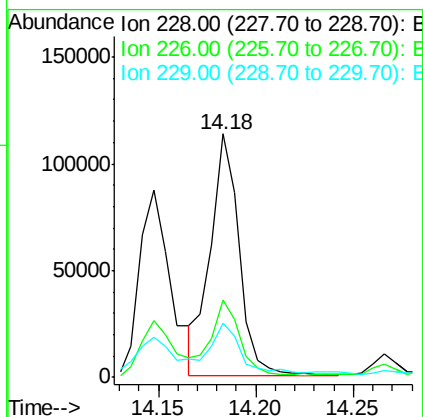
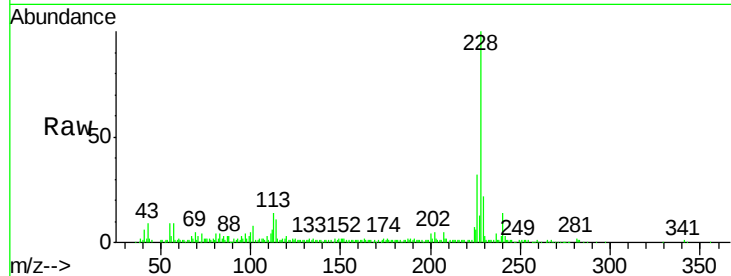




#82
Chrysene
Concen: 2.663 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

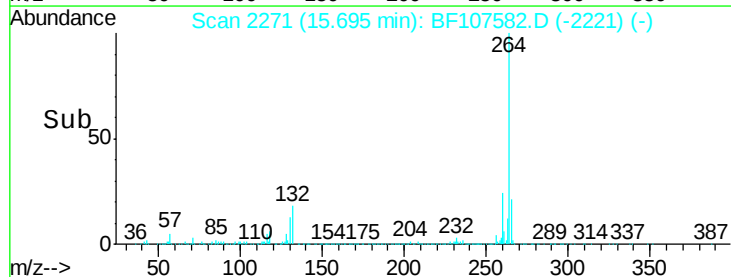
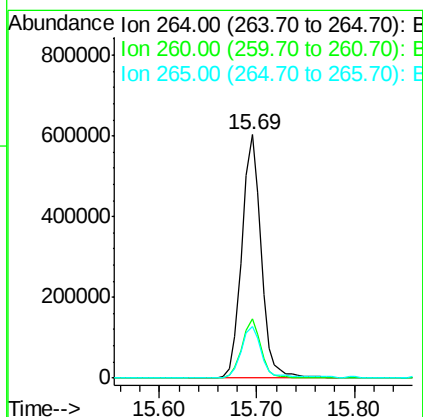
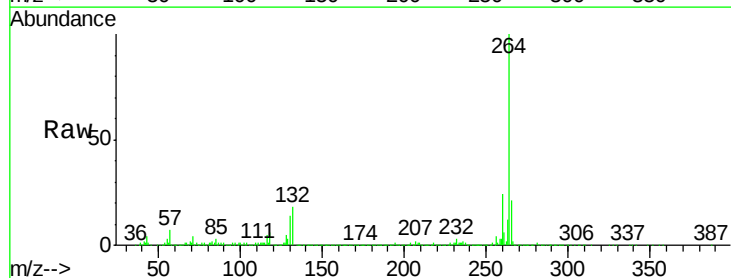
Instrument :
BNA_F
ClientSampleId :
BU-01-071918

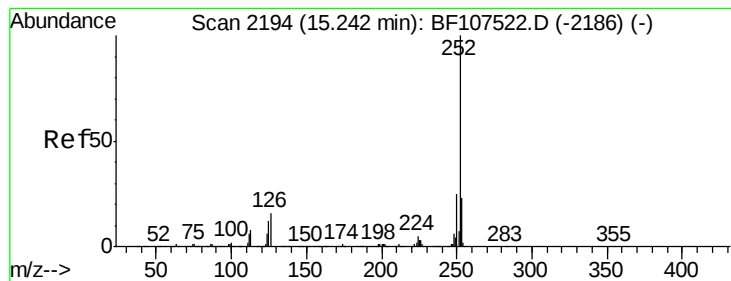
Tgt Ion: 228 Resp: 116587
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 22.0 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107582.D
Acq: 23 Jul 2018 12:37

Tgt Ion: 264 Resp: 832261
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.273 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

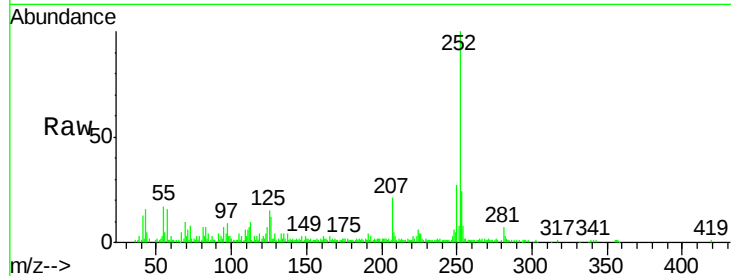
Instrument :

BNA_F

ClientSampleId :

BU-01-071918

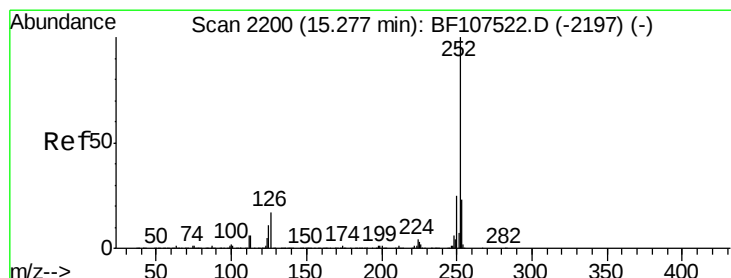
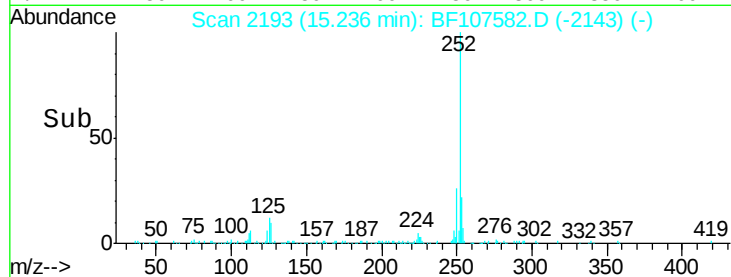
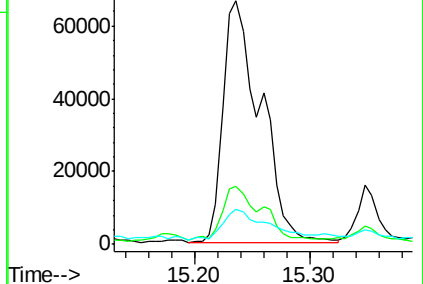
Tgt Ion:	252	Resp:	149094
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	14.5	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.341 ng

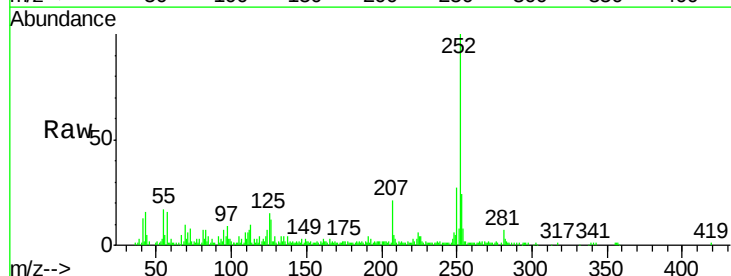
RT: 15.24 min Scan# 2193

Delta R.T. -0.04 min

Lab File: BF107582.D

Acq: 23 Jul 2018 12:37

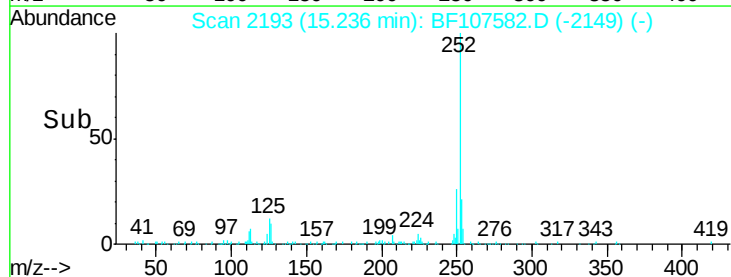
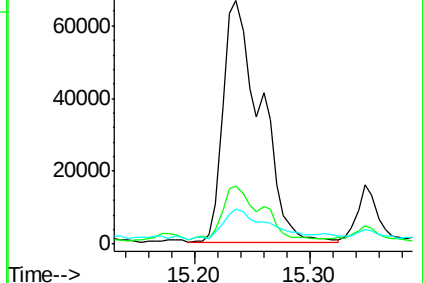
Tgt Ion:	252	Resp:	149094
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	14.5	10.2	15.2

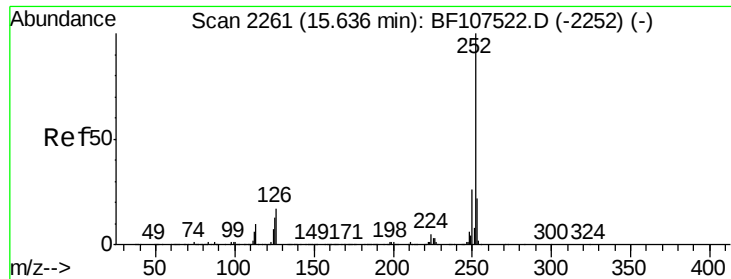


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.265 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF107582.D

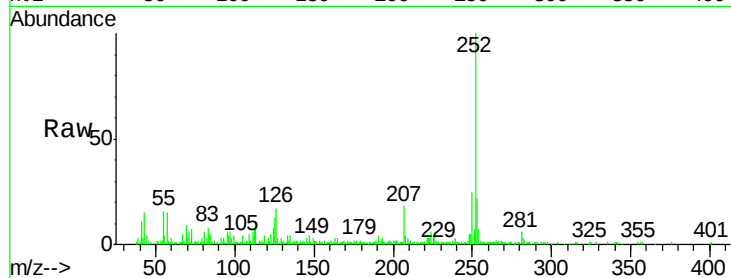
Acq: 23 Jul 2018 12:37

Instrument :

BNA_F

ClientSampleId :

BU-01-071918



Tgt Ion:	252	Resp:	94351
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	13.4	9.8	14.6

