

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107547.D
 Acq On : 21 Jul 2018 1:49
 Operator : JU/SJ
 Sample : J4062-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Jul 21 04:56:08 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	325247	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1240303	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	476401	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	832132	20.00	ng	0.00
75) Chrysene-d12	14.16	240	752952	20.00	ng	0.00
86) Perylene-d12	15.69	264	598416	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	924489	45.70	ng	0.00
7) Phenol-d6	6.60	99	1164113	47.93	ng	-0.01
23) Nitrobenzene-d5	7.54	82	654915	35.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	234042	43.20	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1114035	32.53	ng	0.00
78) Terphenyl-d14	13.09	244	910451	30.96	ng	0.00

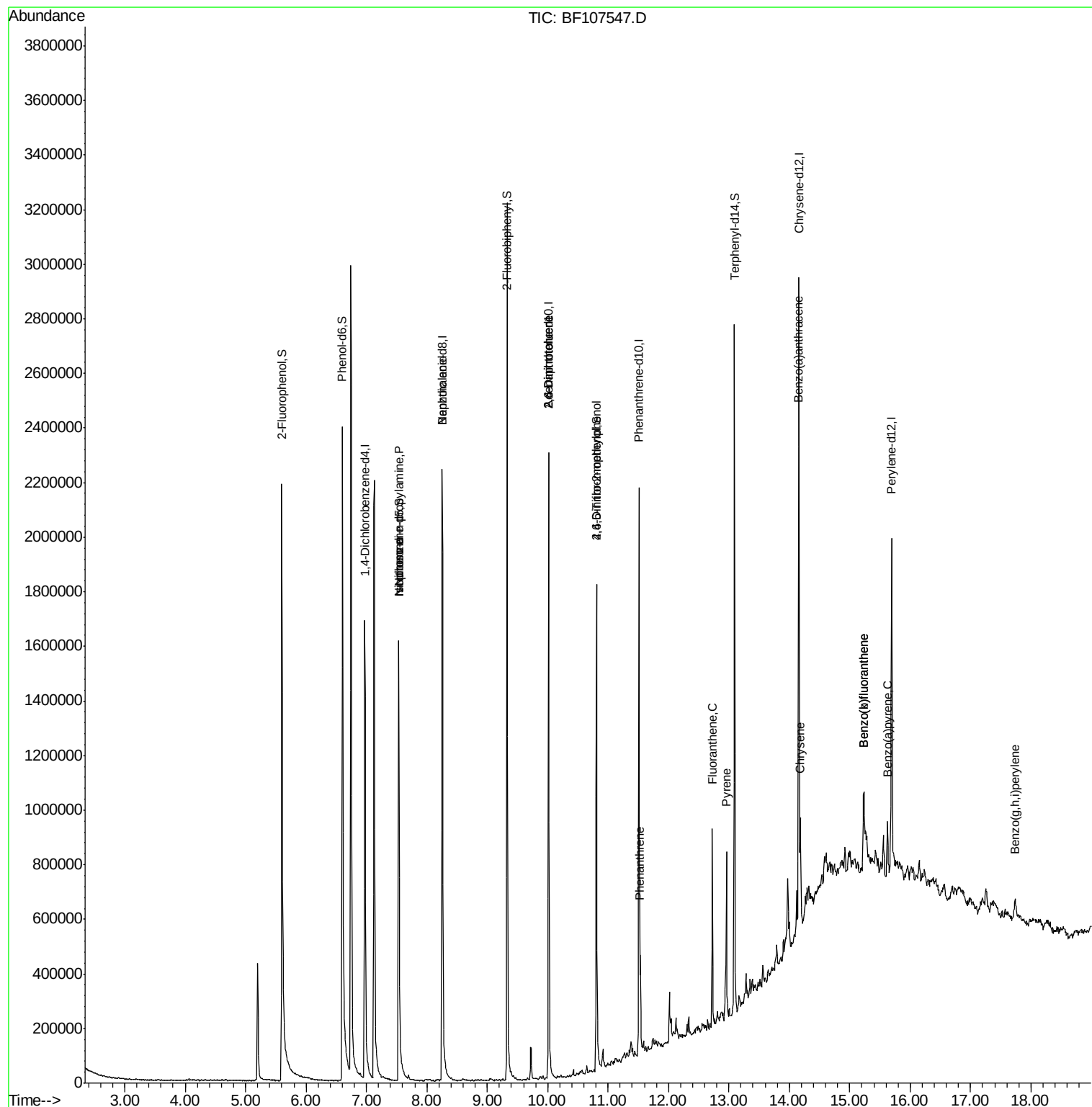
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	20998	Below Cal		82
19) n-Nitroso-di-n-propylamine	7.54	70	87579	5.581 ng	#	76
25) Isophorone	7.54	82	654915	16.690 ng	#	64
32) Benzoic acid	8.26	122	133	7.909 ng	#	1
50) 2,6-Dinitrotoluene	10.02	165	62156	8.719 ng	#	27
56) 2,4-Dinitrotoluene	10.02	165	62157	7.224 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.81	198	155	8.712 ng	#	1
70) Phenanthrene	11.54	178	135154	3.333 ng		98
73) Di-n-butylphthalate	12.06	149	3369	Below Cal	#	82
74) Fluoranthene	12.72	202	317384	7.294 ng		99
77) Pyrene	12.96	202	269024	5.223 ng		97
80) Benzo(a)anthracene	14.15	228	144840	3.283 ng		97
81) 3,3'-Dichlorobenzidine	14.14	252	671	Below Cal	#	42
82) Chrysene	14.18	228	141221	3.332 ng		98
87) Benzo(b)fluoranthene	15.24	252	209061	6.383 ng	#	91
88) Benzo(k)fluoranthene	15.24	252	209061	6.516 ng	#	94
89) Benzo(a)pyrene	15.62	252	94962	3.170 ng	#	91
91) Benzo(g,h,i)perylene	17.74	276	56580	2.215 ng	#	92

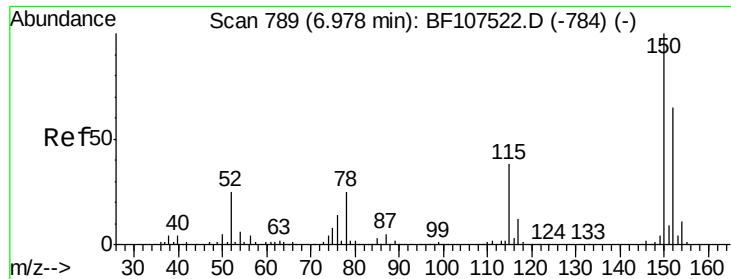
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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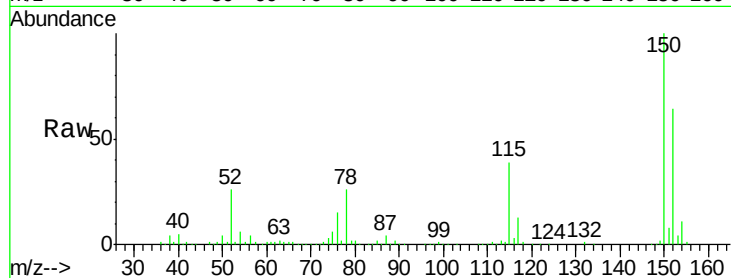




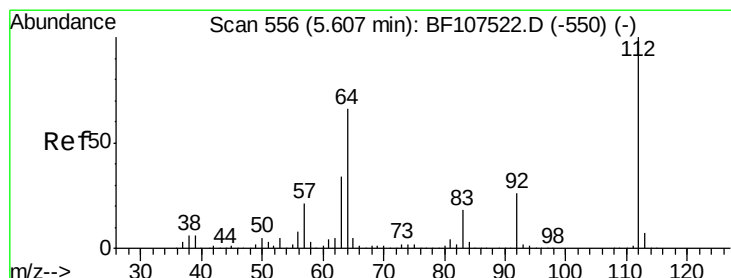
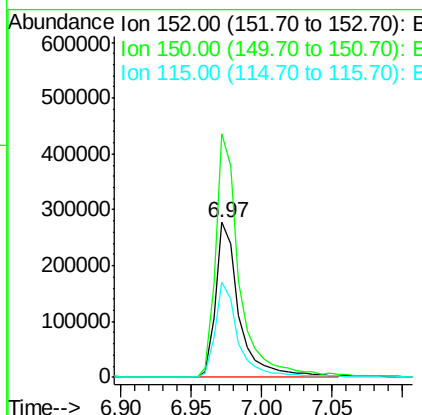
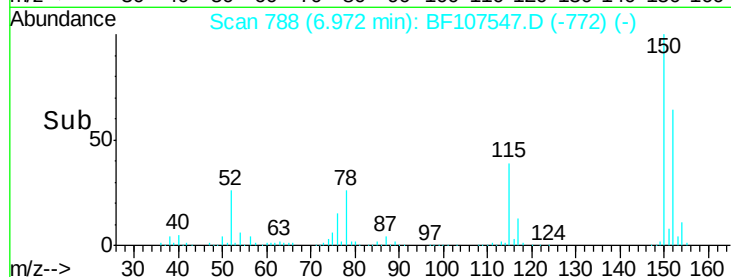
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF107547.D
 Acq: 21 Jul 2018 1:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:152 Resp: 325247
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.6 186.8
 115 61.0 50.1 75.1

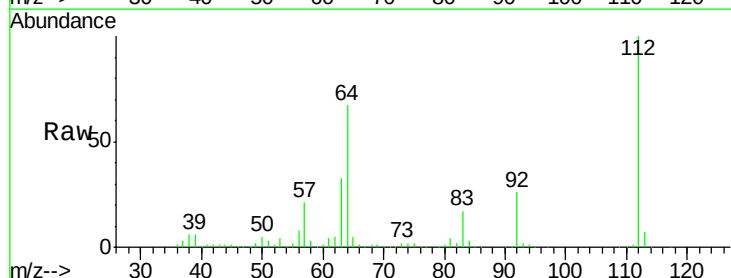


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

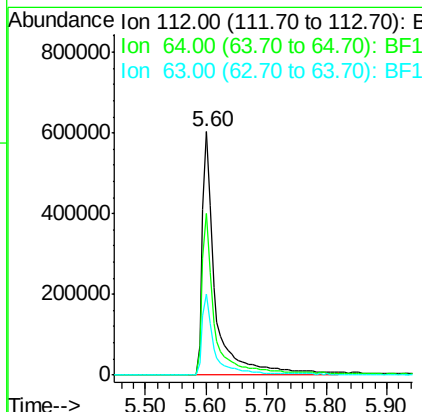
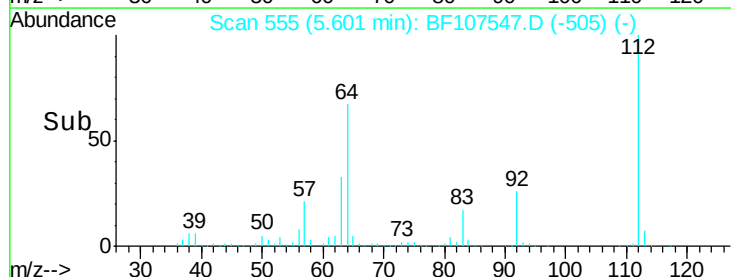


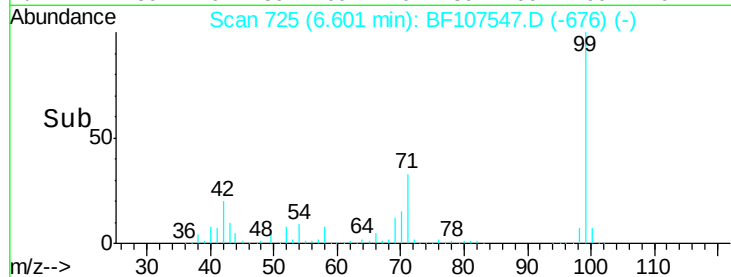
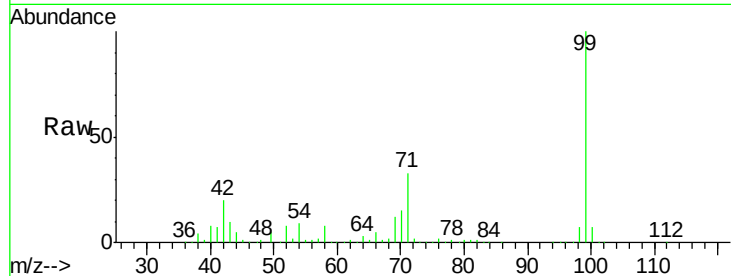
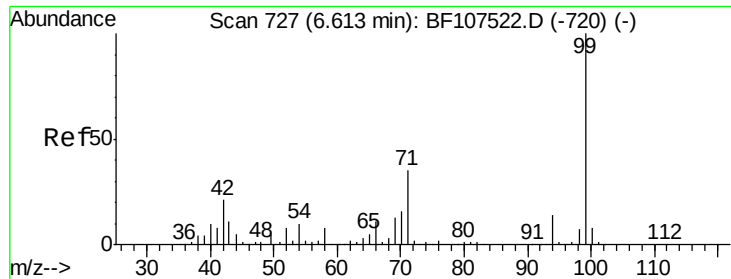
#5
 2-Fluorophenol
 Concen: 45.701 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107547.D
 Acq: 21 Jul 2018 1:49

Tgt Ion:112 Resp: 924489
 Ion Ratio Lower Upper
 112 100
 64 66.6 47.9 71.9
 63 33.2 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: 47.926 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

BNA_F

ClientSampled :

TP-3

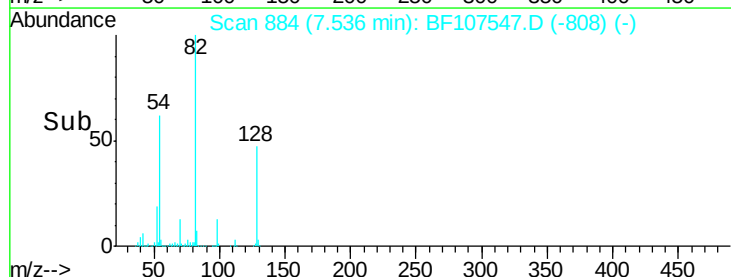
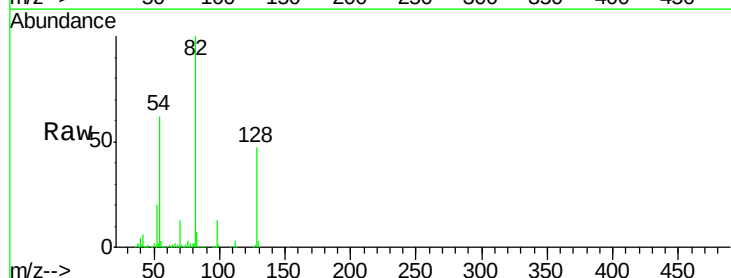
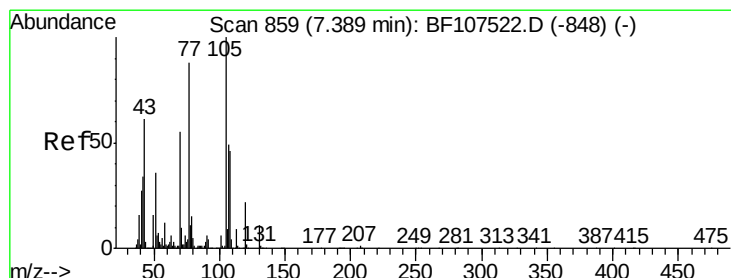
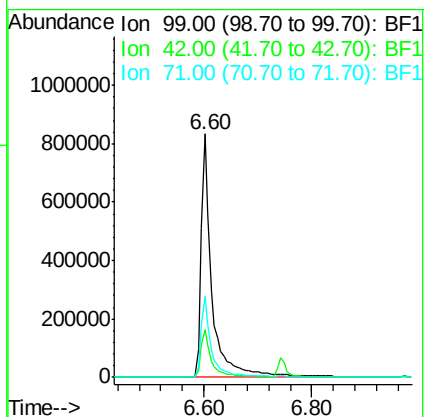
Tgt Ion: 99 Resp: 1164113

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 33.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.581 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Tgt Ion: 70 Resp: 87579

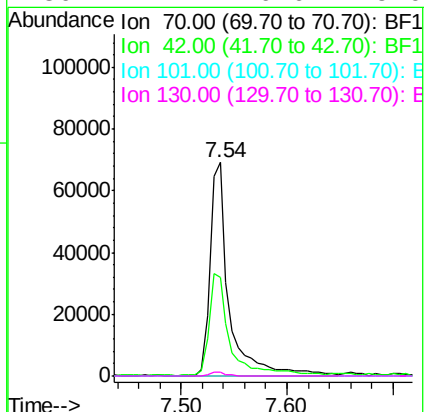
Ion Ratio Lower Upper

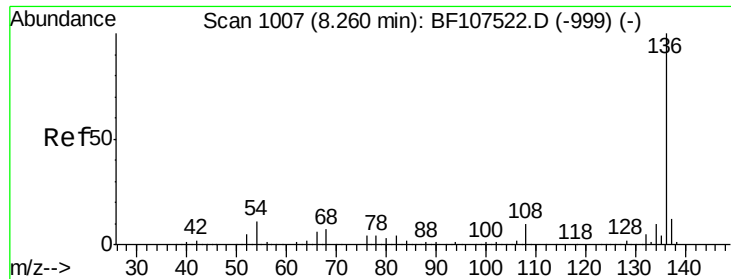
70 100

42 46.3 47.5 71.3#

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

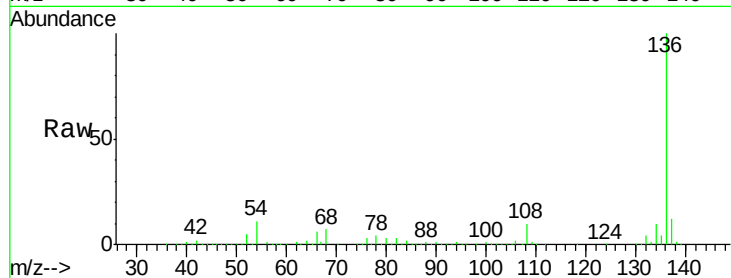




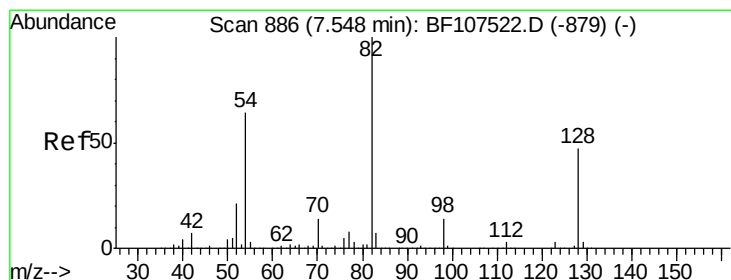
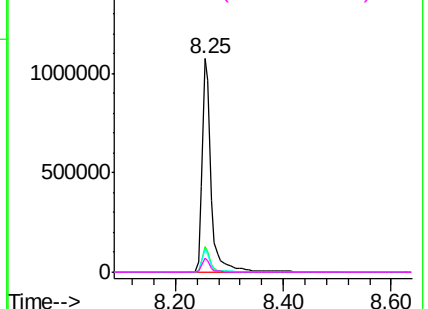
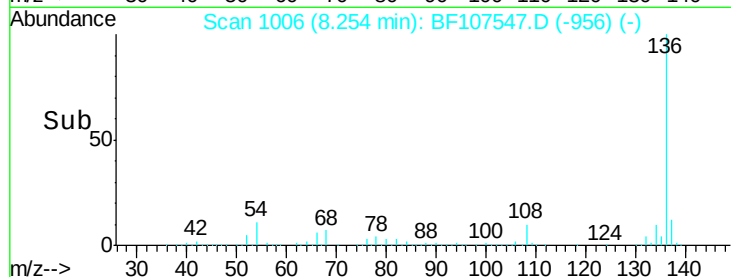
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107547.D
Acq: 21 Jul 2018 1:49

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 136 Resp: 1240303
Ion Ratio Lower Upper
136 100
137 11.9 8.9 13.3
54 10.7 6.6 9.8#
68 6.8 5.0 7.4

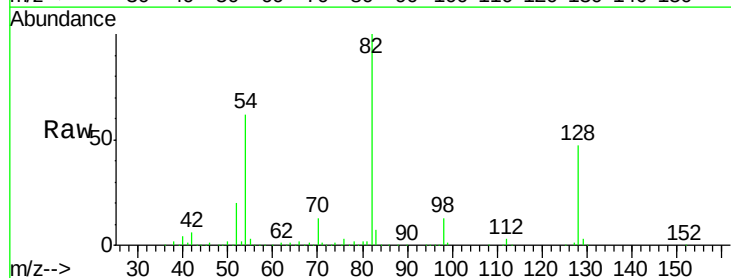


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

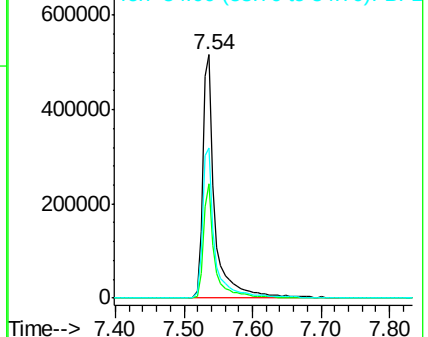
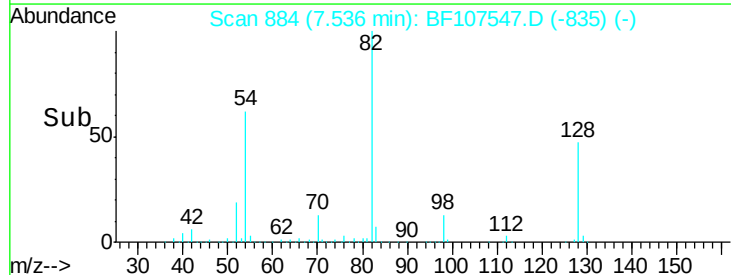


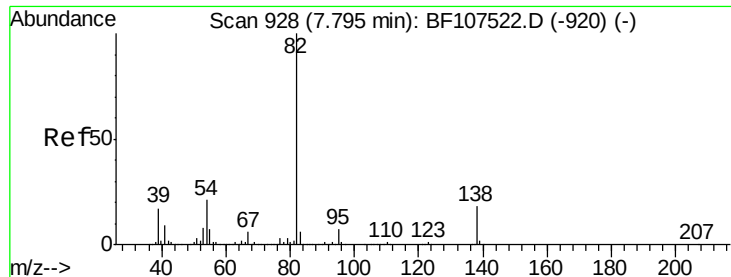
#23
Nitrobenzene-d5
Concen: 35.635 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107547.D
Acq: 21 Jul 2018 1:49

Tgt Ion: 82 Resp: 654915
Ion Ratio Lower Upper
82 100
128 47.2 36.1 54.1
54 61.7 41.4 62.2



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





#25

Isophorone

Concen: 16.690 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

BNA_F

ClientSampleId :

TP-3

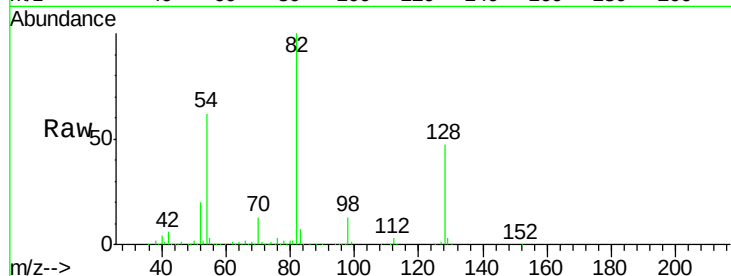
Tgt Ion: 82 Resp: 654915

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

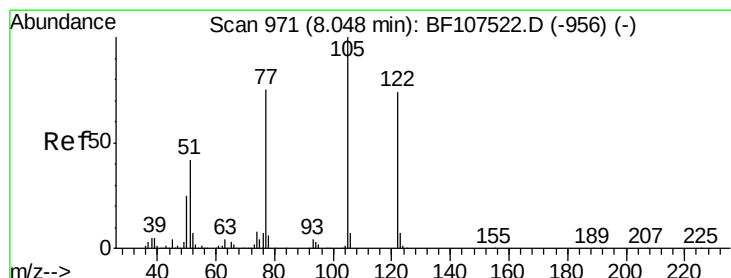
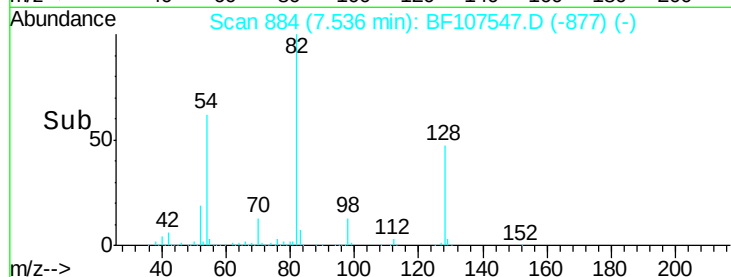
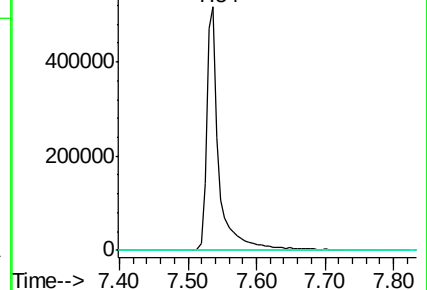
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.909 ng

RT: 8.26 min Scan# 1007

Delta R.T. 0.21 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

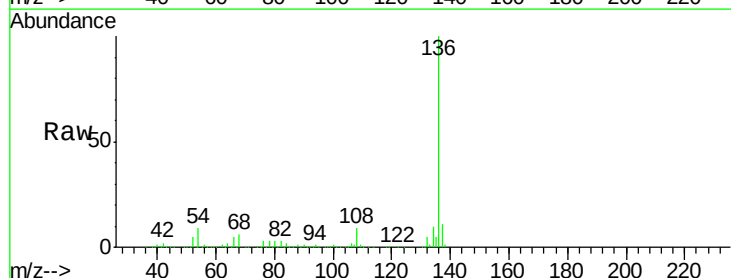
Tgt Ion: 122 Resp: 133

Ion Ratio Lower Upper

122 100

105 346.0 101.1 141.1#

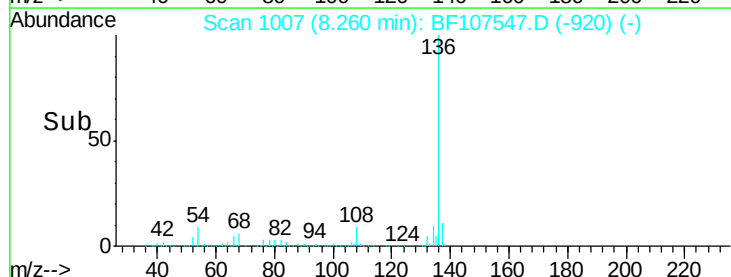
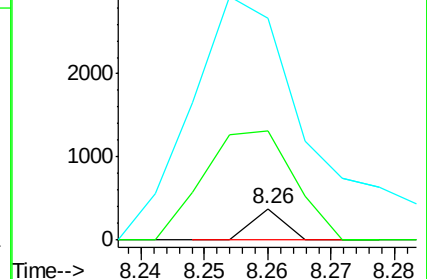
77 707.7 70.7 110.7#

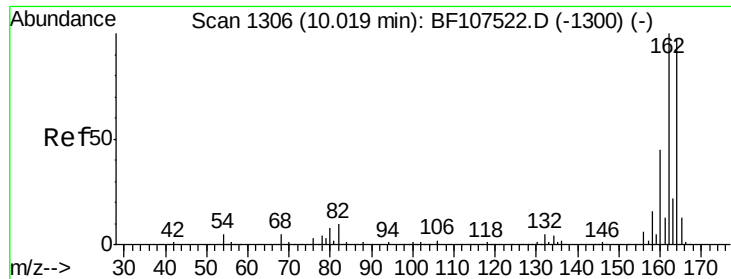


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

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ClientSampleId :

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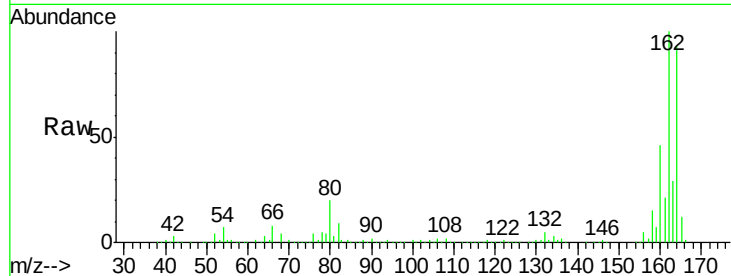
Tgt Ion:164 Resp: 476401

Ion Ratio Lower Upper

164 100

162 107.3 86.1 129.1

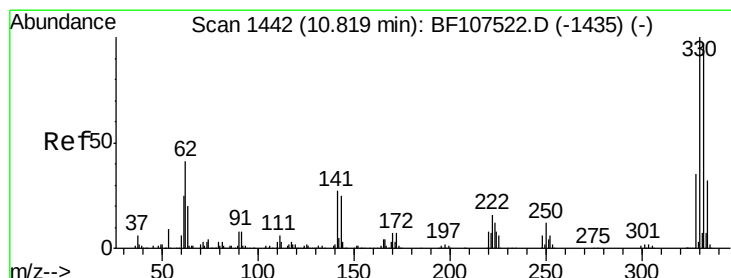
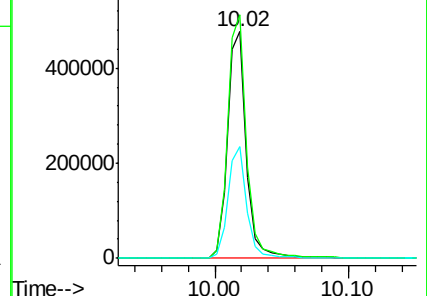
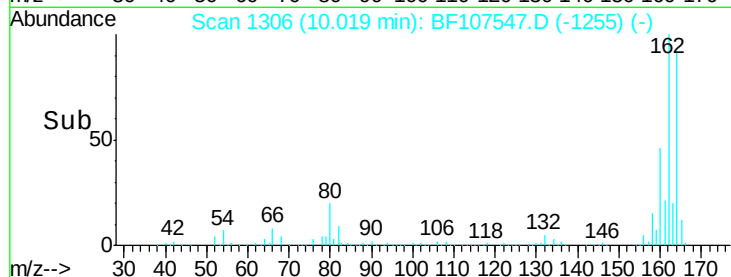
160 49.5 38.3 57.5



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: 43.202 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

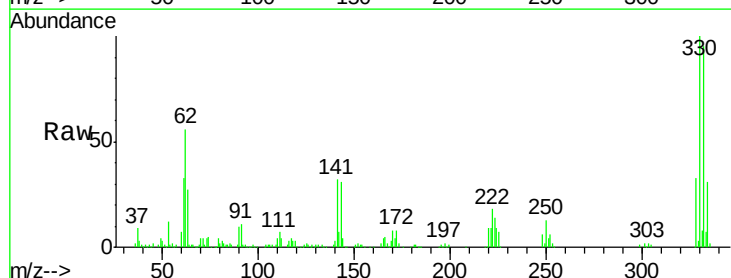
Tgt Ion:330 Resp: 234042

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

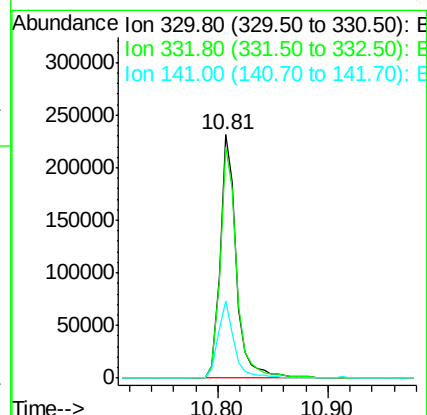
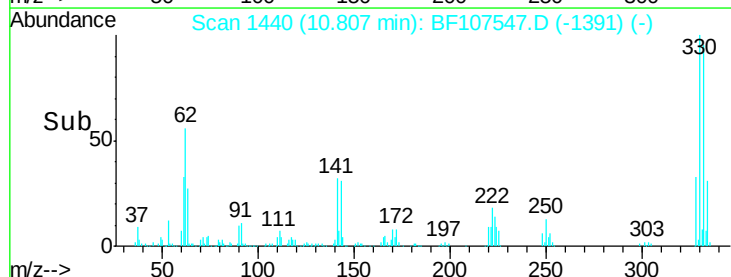
141 31.8 29.9 44.9

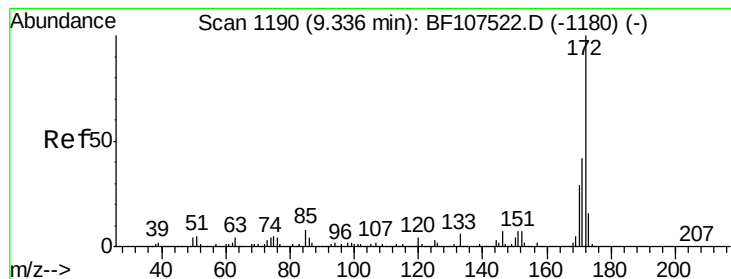


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 32.525 ng

RT: 9.33 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

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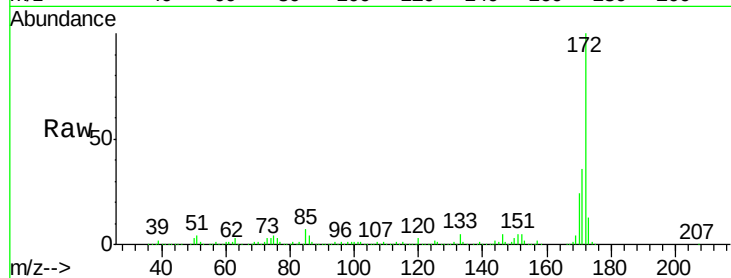
Tgt Ion:172 Resp: 1114035

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

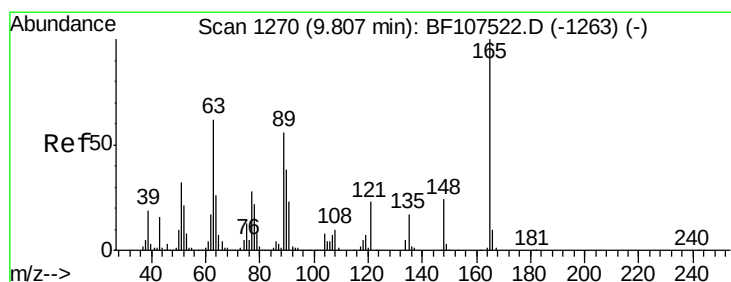
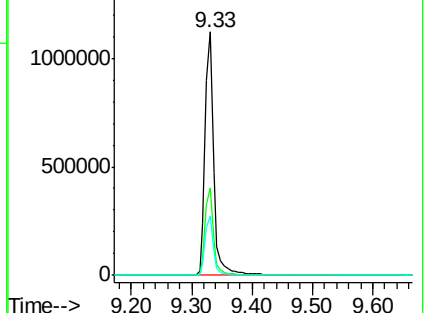
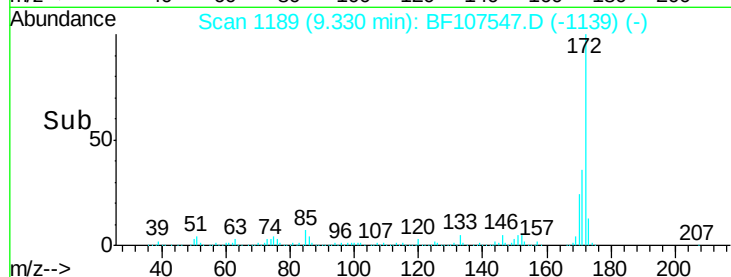
170 24.1 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 8.719 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.21 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

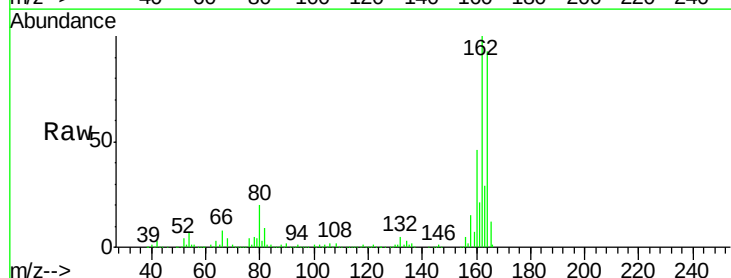
Tgt Ion:165 Resp: 62156

Ion Ratio Lower Upper

165 100

63 2.8 44.7 67.1#

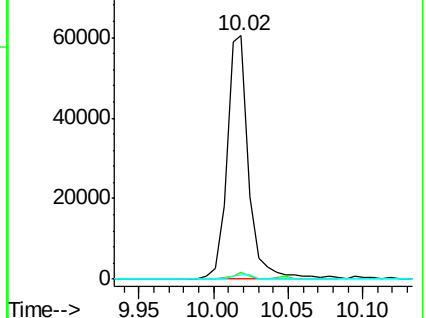
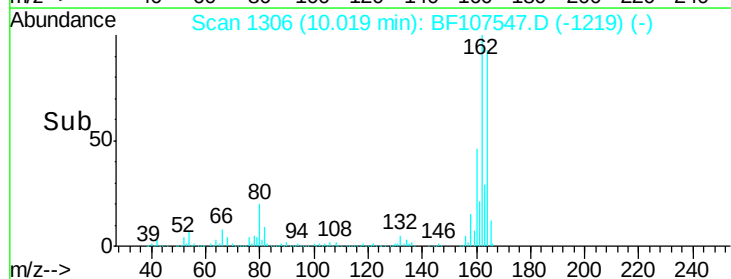
89 1.8 44.0 66.0#

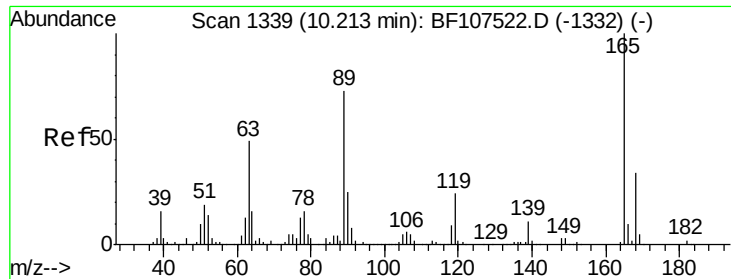


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

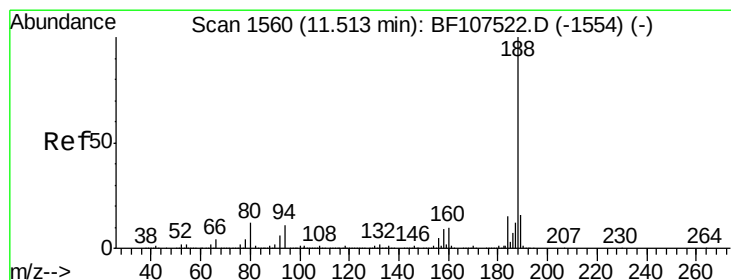
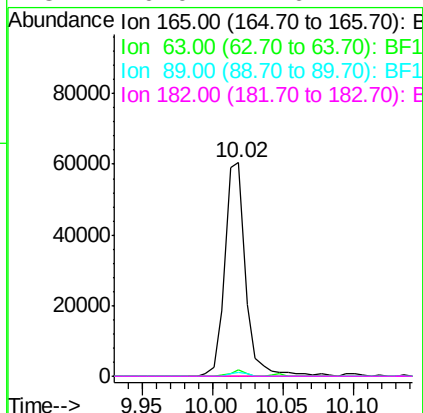
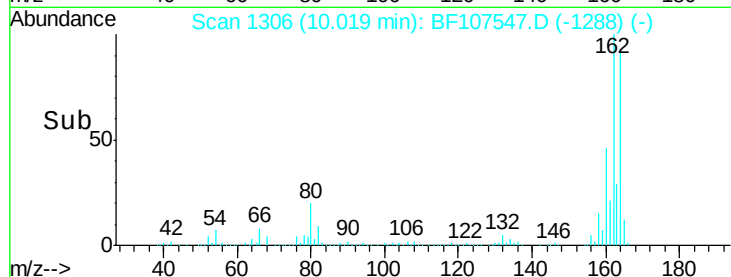
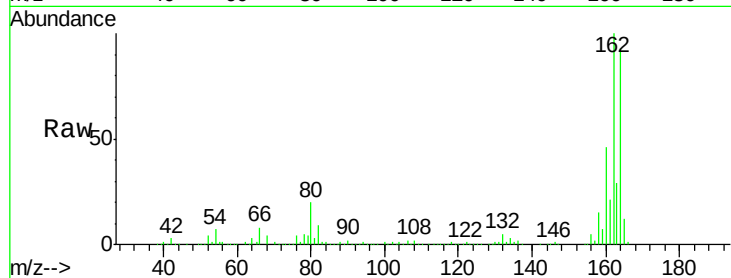




#56
2,4-Dinitrotoluene
Concen: 7.224 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.19 min
Lab File: BF107547.D
Acq: 21 Jul 2018 1:49

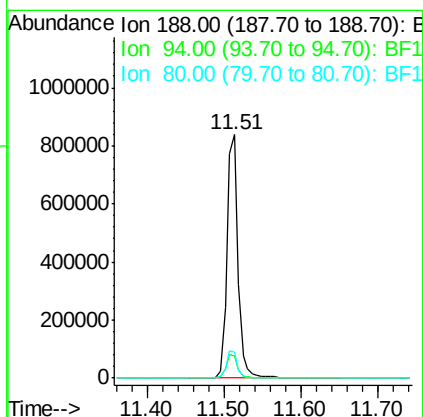
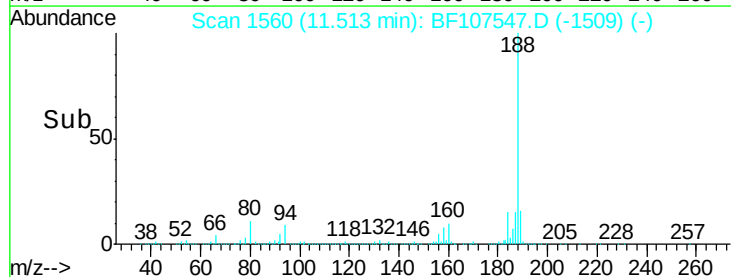
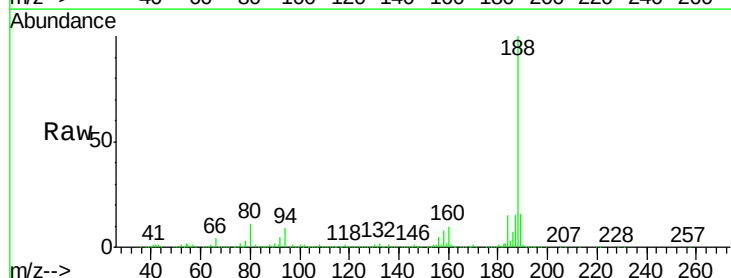
Instrument :
BNA_F
ClientSampleId :
TP-3

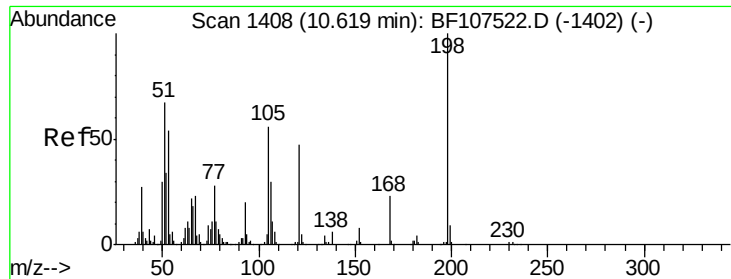
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107547.D
Acq: 21 Jul 2018 1:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.6	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.712 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

BNA_F

ClientSampleId :

TP-3

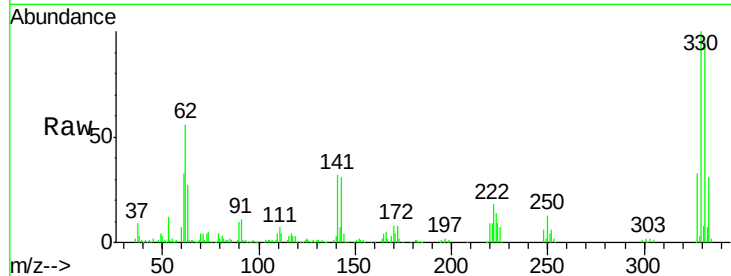
Tgt Ion:198 Resp: 155

Ion Ratio Lower Upper

198 100

51 314.8 37.7 77.7#

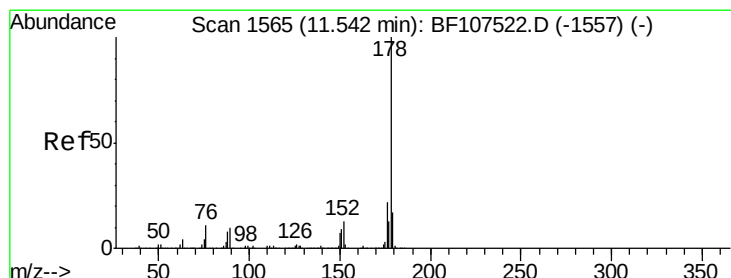
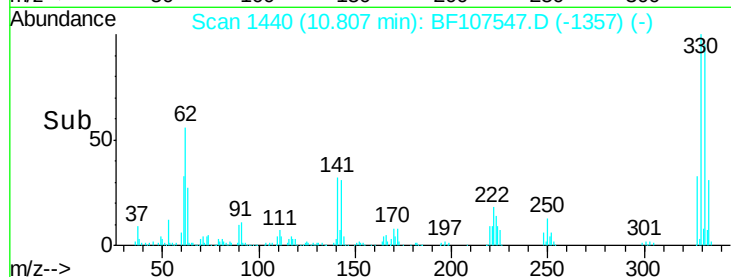
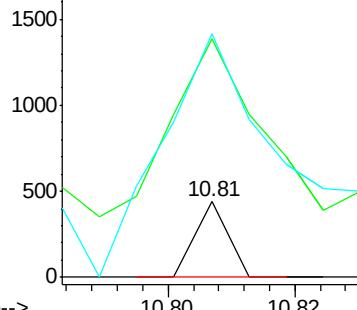
105 321.6 36.3 76.3#



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



#70

Phenanthrene

Concen: 3.333 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

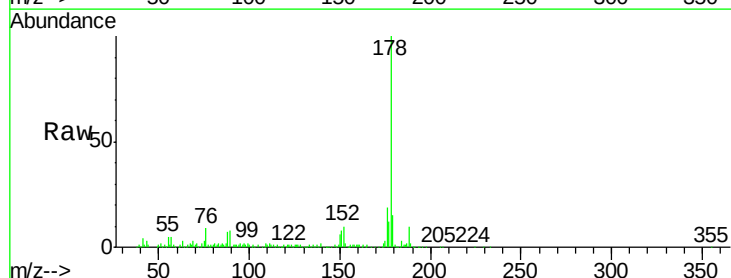
Tgt Ion:178 Resp: 135154

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

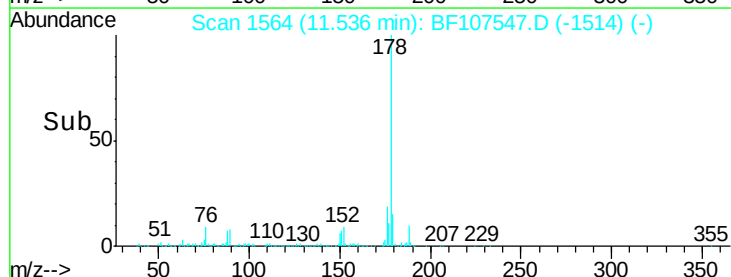
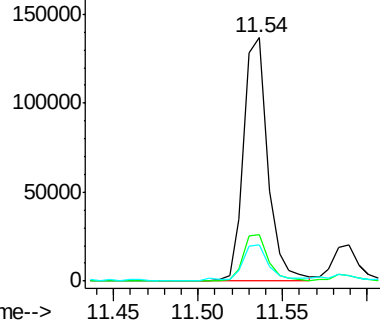
179 15.0 13.0 19.6

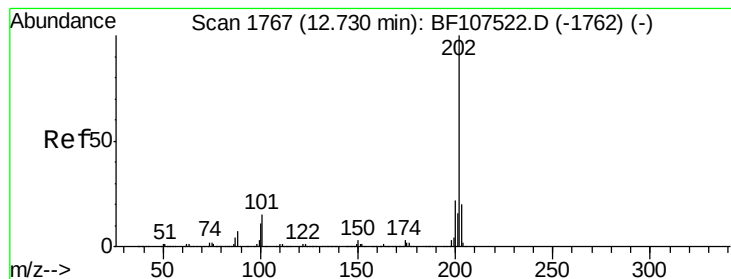


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.294 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

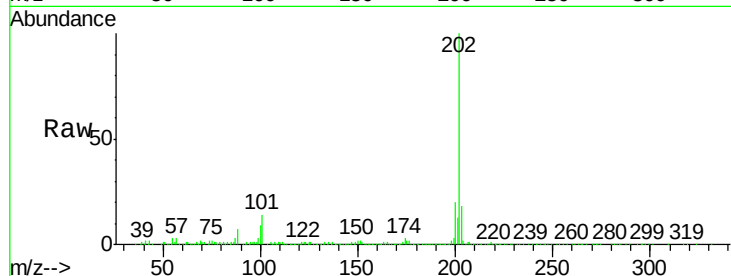
Instrument :

BNA_F

ClientSampleId :

TP-3

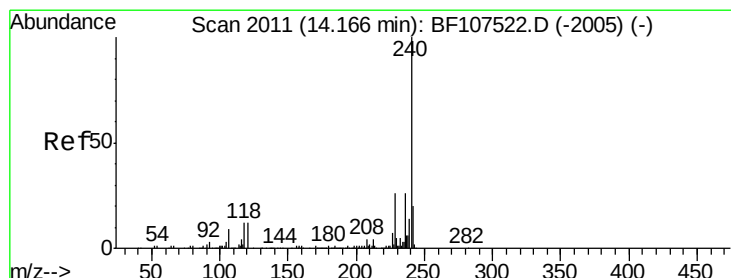
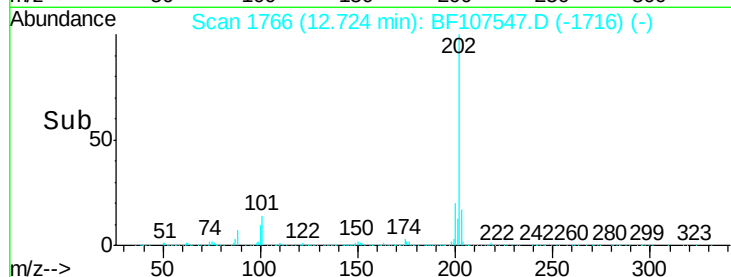
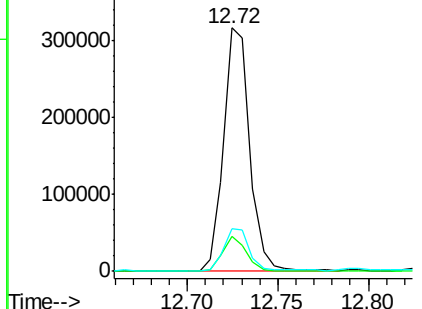
Tgt Ion:	202	Resp:	317384
Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	17.6	0.0	38.1



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

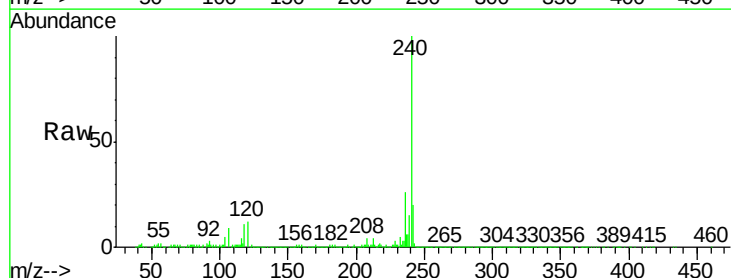
RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

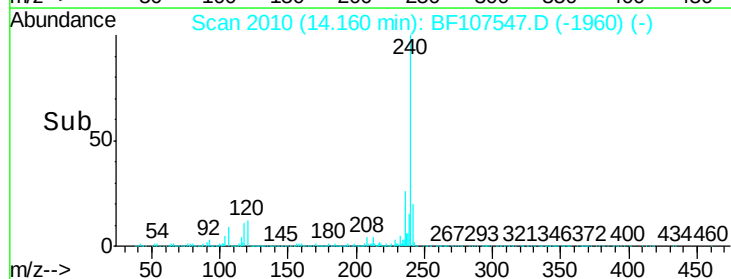
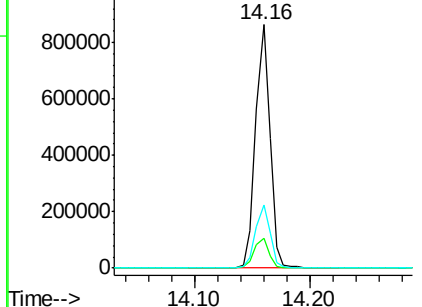
Tgt Ion:	240	Resp:	752952
Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.2	20.7	31.1

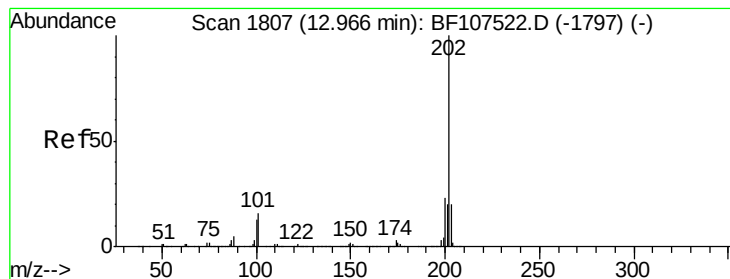


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.223 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

BNA_F

ClientSampleId :

TP-3

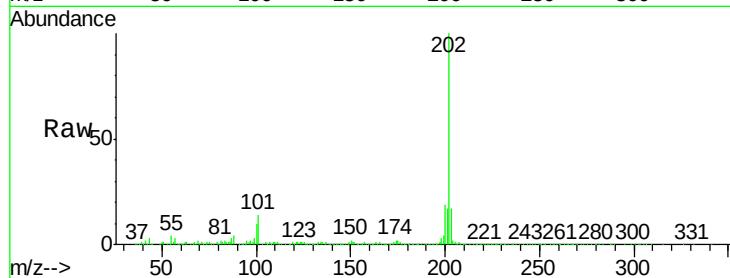
Tgt Ion:202 Resp: 269024

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

203 17.3 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

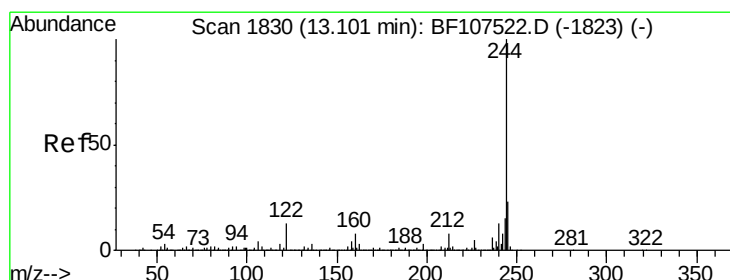
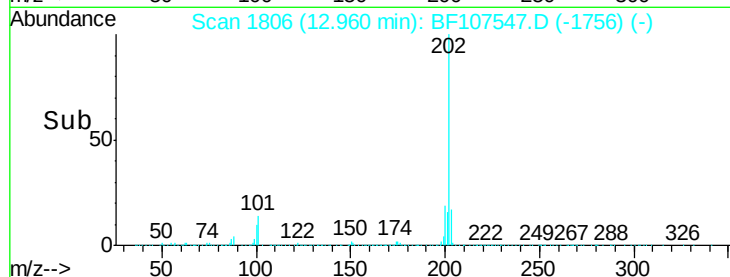
300000 12.96

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 30.956 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

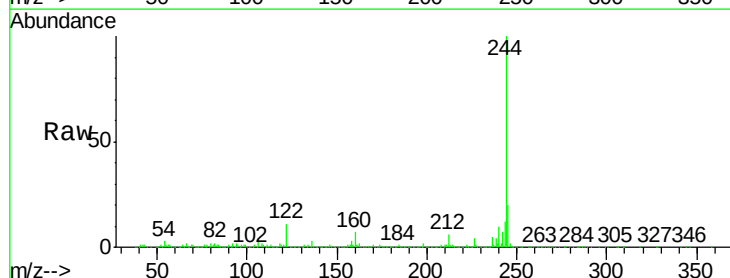
Tgt Ion:244 Resp: 910451

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.5 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

1200000 13.09

1000000

800000

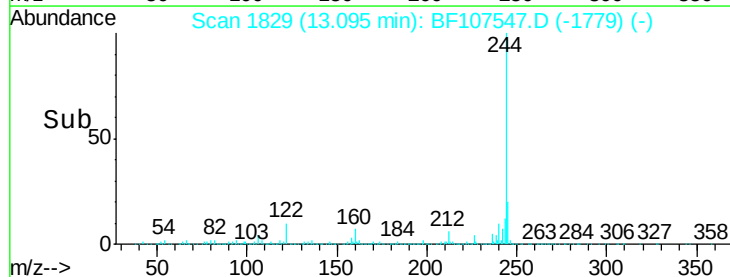
600000

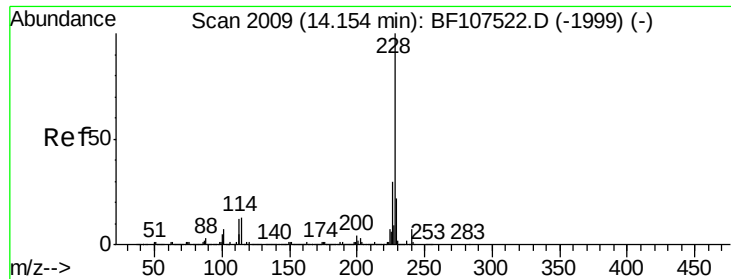
400000

200000

0

Time-->





#80

Benzo(a)anthracene

Concen: 3.283 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

BNA_F

ClientSampleId :

TP-3

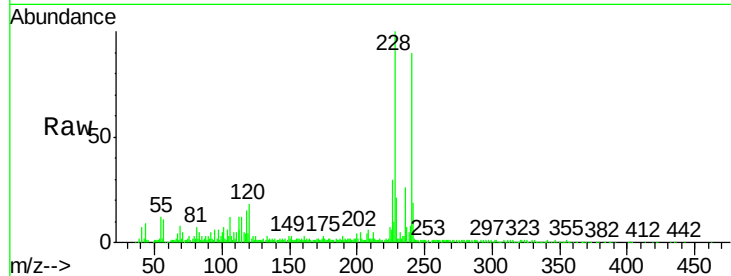
Tgt Ion:228 Resp: 144840

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

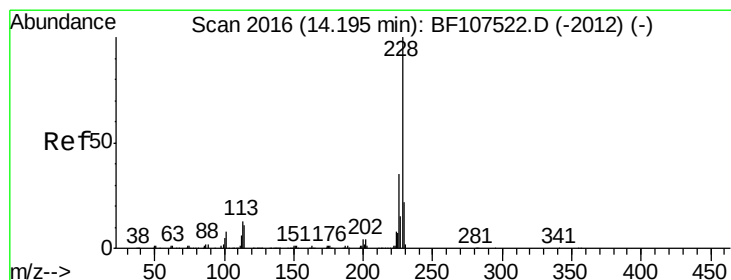
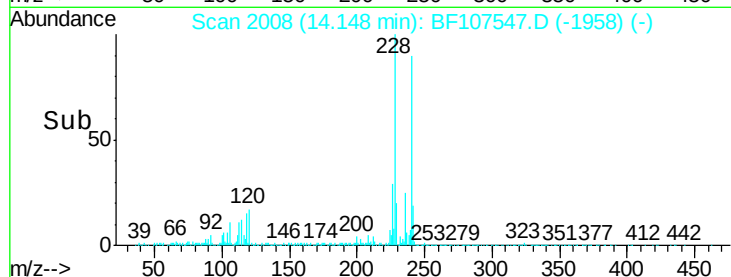
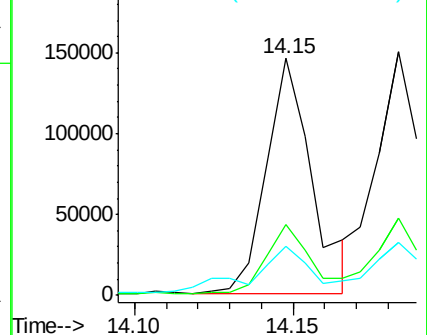
229 20.6 15.8 23.6



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: 3.332 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

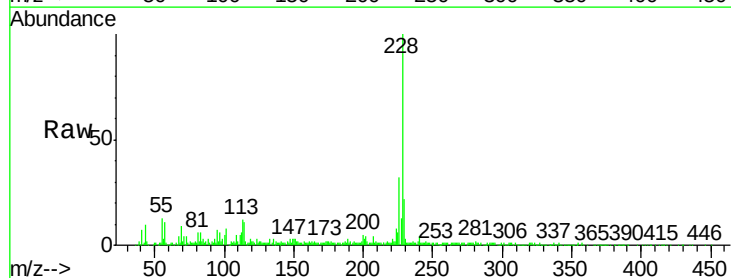
Tgt Ion:228 Resp: 141221

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

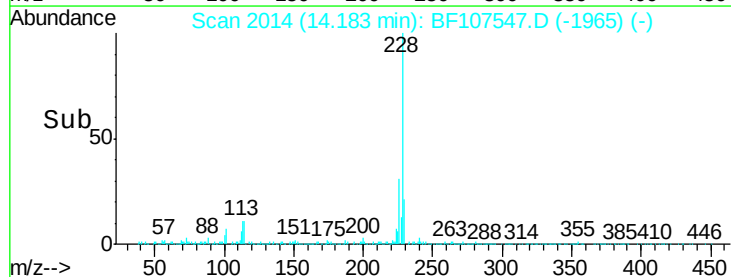
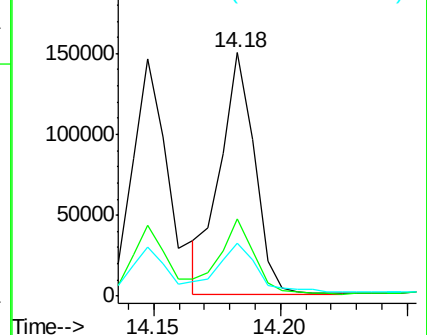
229 22.0 16.2 24.4

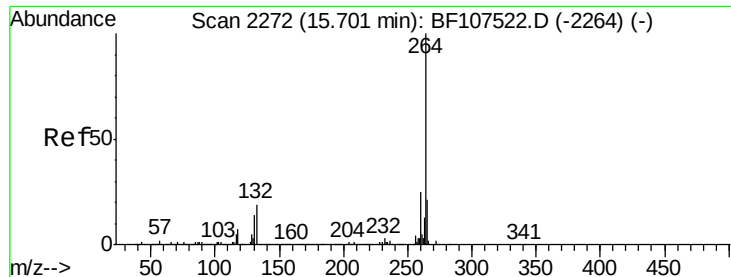


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

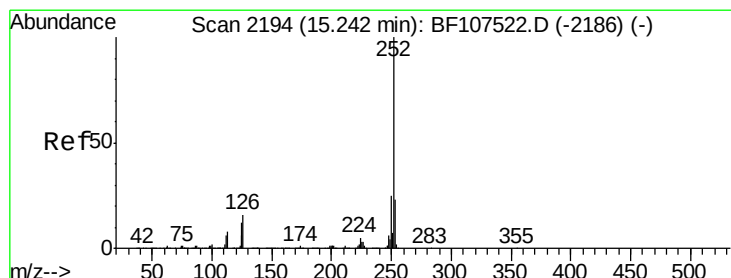
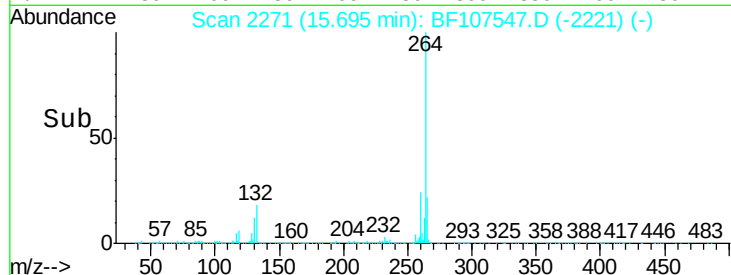
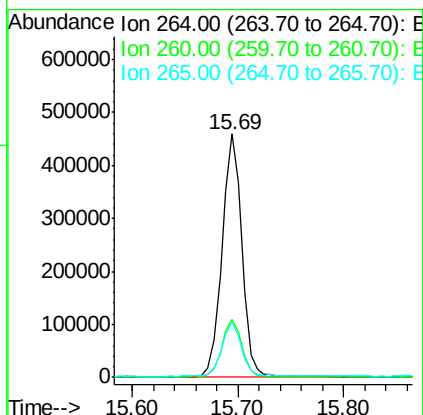
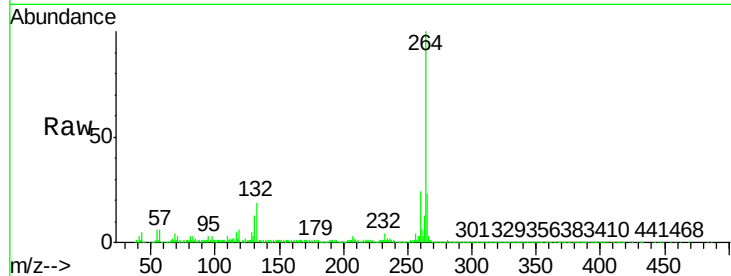




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107547.D
Acq: 21 Jul 2018 1:49

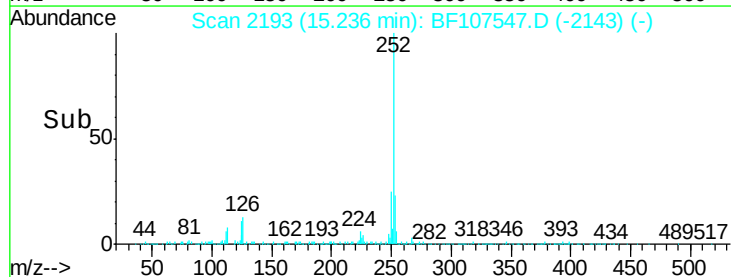
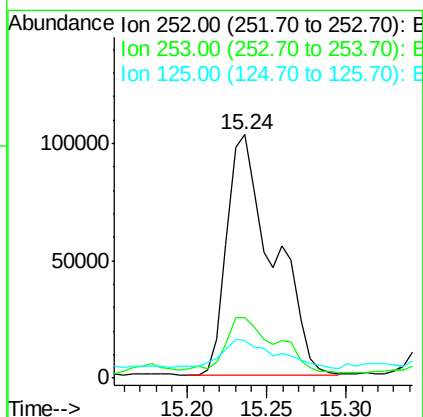
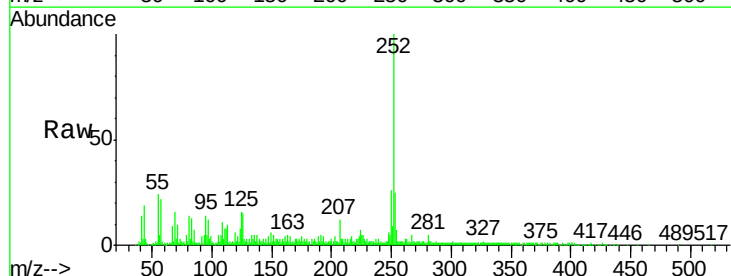
Instrument :
BNA_F
ClientSampleId :
TP-3

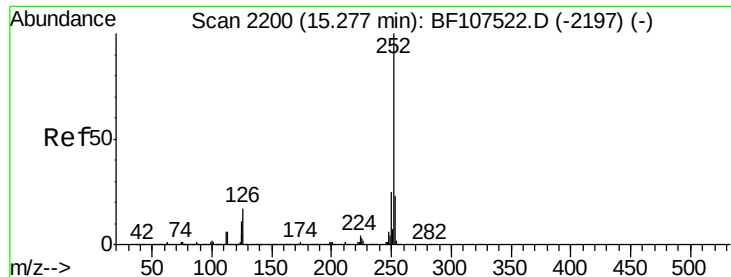
Tgt Ion:264 Resp: 598416
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.383 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107547.D
Acq: 21 Jul 2018 1:49

Tgt Ion:252 Resp: 209061
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 15.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 6.516 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.04 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

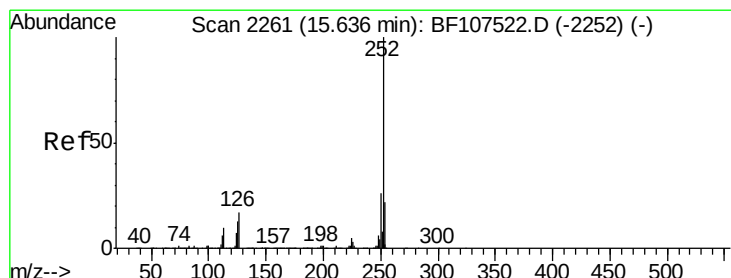
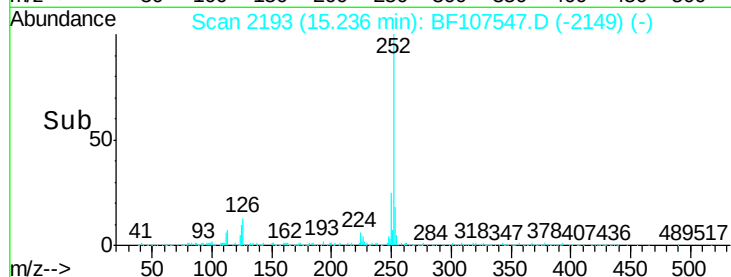
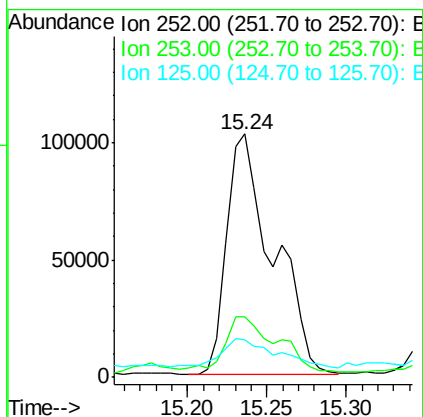
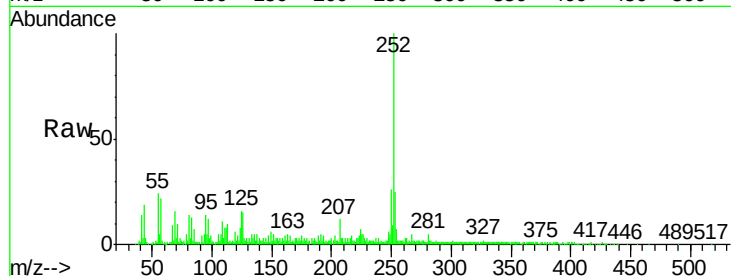
Instrument :

BNA_F

ClientSampled :

TP-3

Tgt Ion:	252	Resp:	209061
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.9	26.9
125	15.6	10.2	15.2#



#89

Benzo(a)pyrene

Concen: 3.170 ng

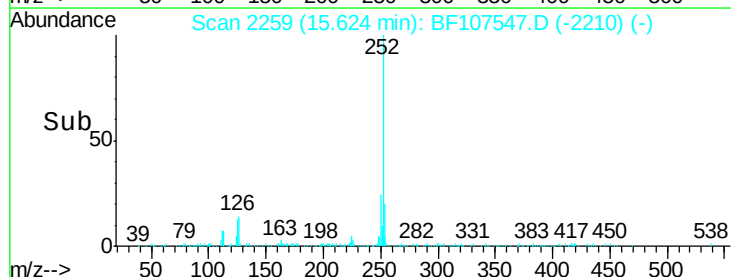
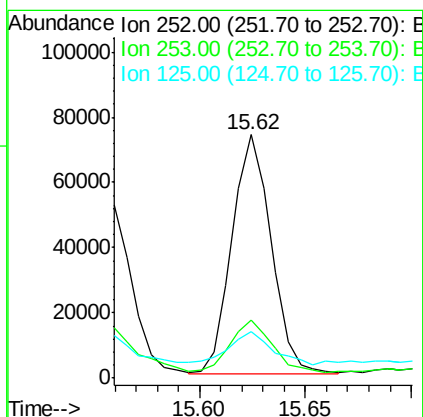
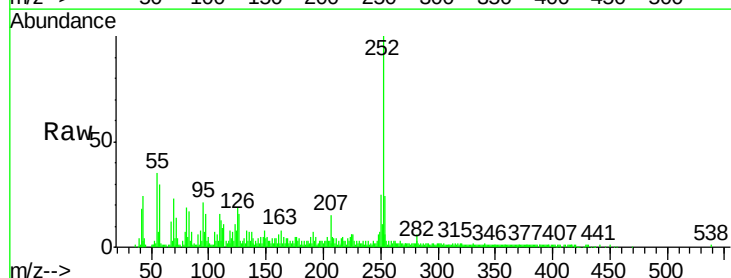
RT: 15.62 min Scan# 2259

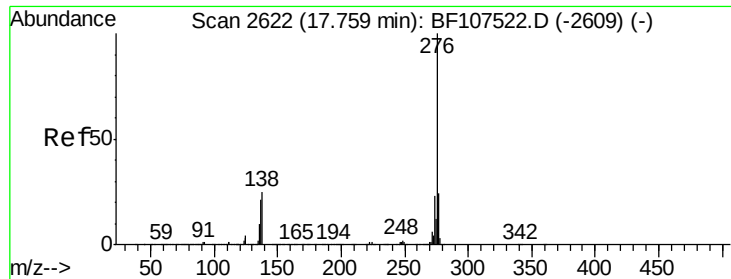
Delta R.T. -0.01 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Tgt Ion:	252	Resp:	94962
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	18.9	9.8	14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.215 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF107547.D

Acq: 21 Jul 2018 1:49

Instrument :

BNA_F

ClientSampleId :

TP-3

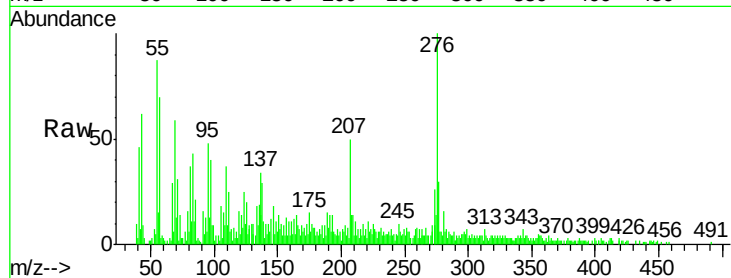
Tgt Ion: 276 Resp: 56580

Ion Ratio Lower Upper

276 100

277 29.9 17.9 26.9#

138 28.6 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

