

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107763.D
 Acq On : 27 Jul 2018 23:04
 Operator : JU/SJ
 Sample : J4095-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CON-BALLARDS-0-2

Quant Time: Jul 28 01:19:25 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	6.96	152	168801	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	697908	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	277000	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	480407	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	420185	20.00	ng	-0.02
86) Perylene-d12	15.68	264	332206	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	842474	80.24	ng	-0.01
7) Phenol-d6	6.60	99	1048067	83.14	ng	-0.02
23) Nitrobenzene-d5	7.52	82	651593	63.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	248009	78.73	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1183822	69.56	ng	-0.02
78) Terphenyl-d14	13.08	244	977691	59.57	ng	-0.02

Target Compounds

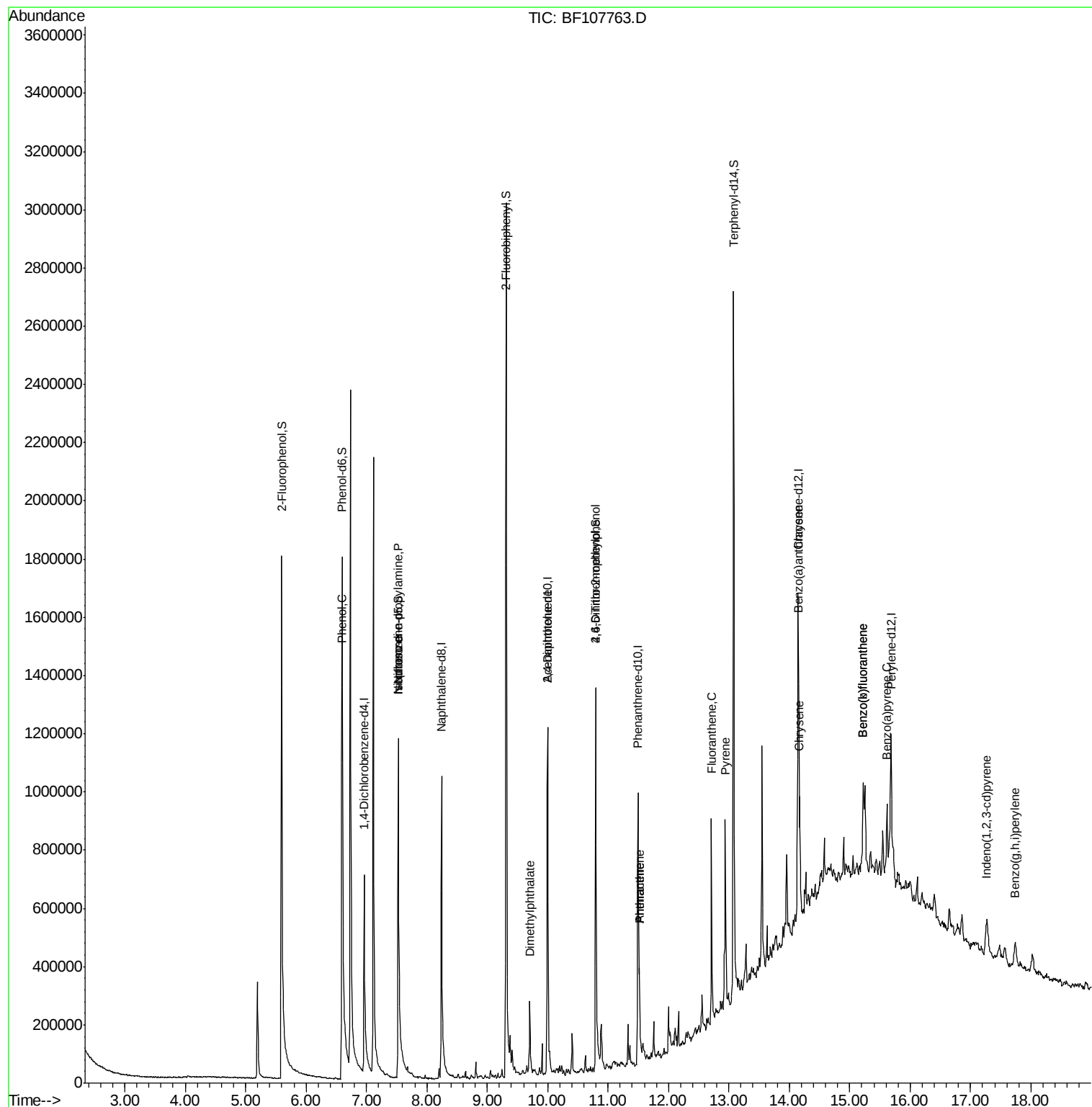
					Qvalue	
9) Benzaldehyde	6.60	77	1677	Below Cal	#	1
10) Phenol	6.61	94	36324	2.450 ng	#	2
19) n-Nitroso-di-n-propylamine	7.52	70	83239	10.221 ng	#	78
25) Isophorone	7.52	82	651593	29.510 ng	#	64
49) Dimethylphthalate	9.71	163	119409	5.720 ng		98
56) 2,4-Dinitrotoluene	10.00	165	36691	7.333 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.79	198	379	8.815 ng	#	1
70) Phenanthrene	11.52	178	113494	4.848 ng		98
71) Anthracene	11.52	178	113494	4.815 ng		99
73) Di-n-butylphthalate	12.04	149	6821	Below Cal	#	91
74) Fluoranthene	12.71	202	351978	14.011 ng		95
77) Pyrene	12.94	202	349061	12.145 ng		97
80) Benzo(a)anthracene	14.14	228	208442	8.465 ng		97
81) 3,3'-Dichlorobenzidine	14.11	252	429	Below Cal	#	1
82) Chrysene	14.17	228	168954	7.143 ng		97
85) Indeno(1,2,3-cd)pyrene	17.26	276	89418	4.460 ng	#	87
87) Benzo(b)fluoranthene	15.22	252	304232	16.733 ng		97
88) Benzo(k)fluoranthene	15.22	252	304232	17.080 ng		100
89) Benzo(a)pyrene	15.62	252	151061	9.083 ng		93
91) Benzo(g,h,i)perylene	17.74	276	93931	6.624 ng	#	90

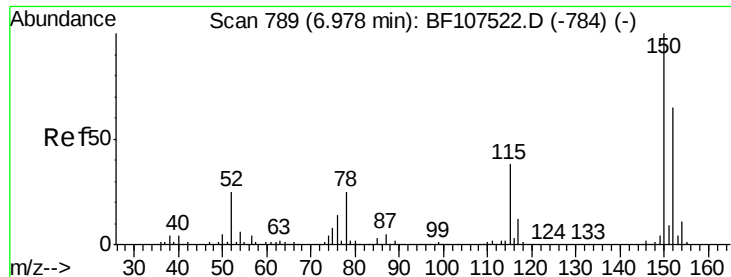
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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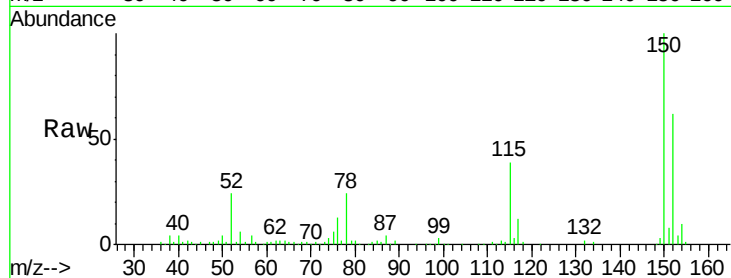


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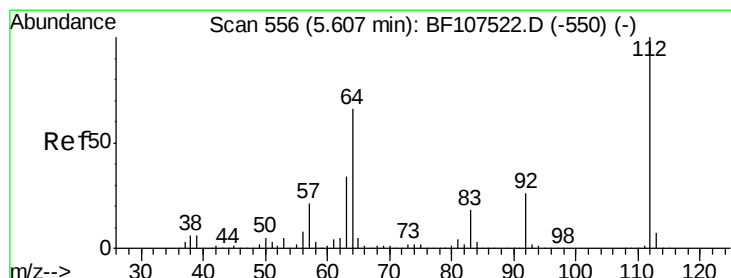
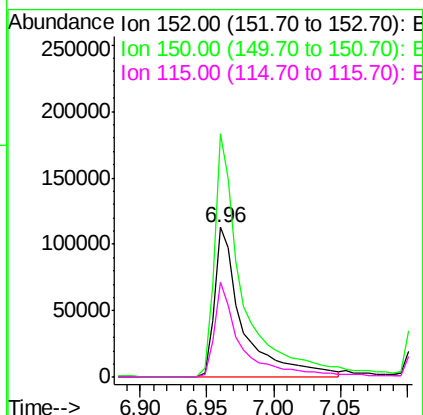
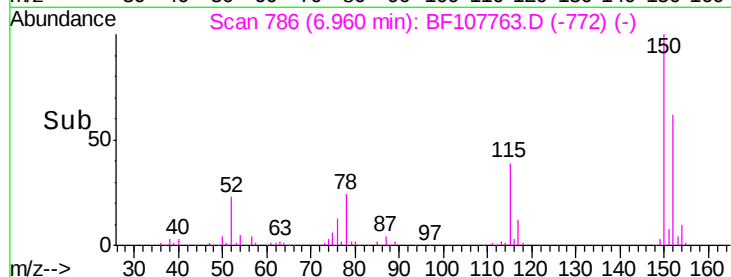
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

Tgt Ion:152 Resp: 168801
Ion Ratio Lower Upper
152 100
150 162.6 124.6 186.8
115 63.7 50.1 75.1



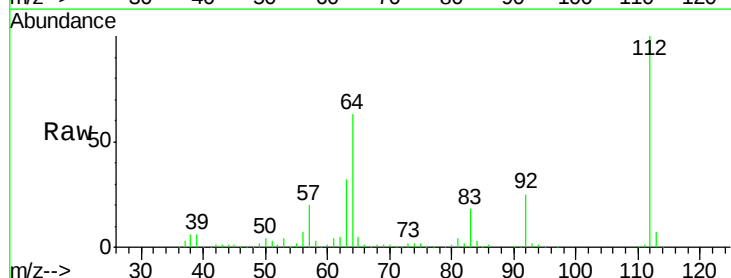
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



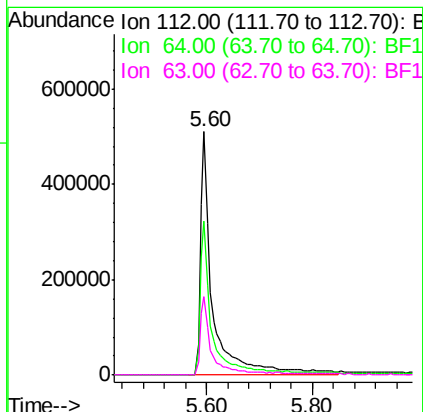
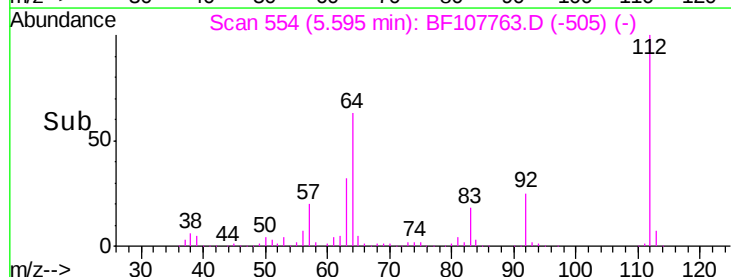
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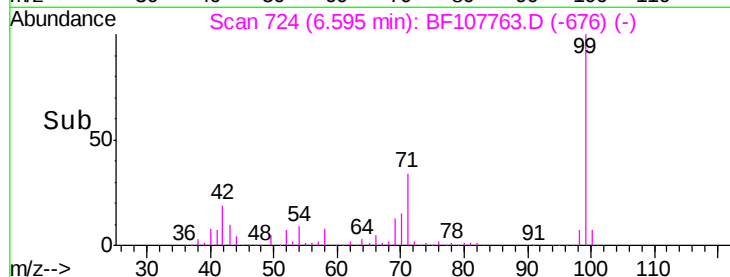
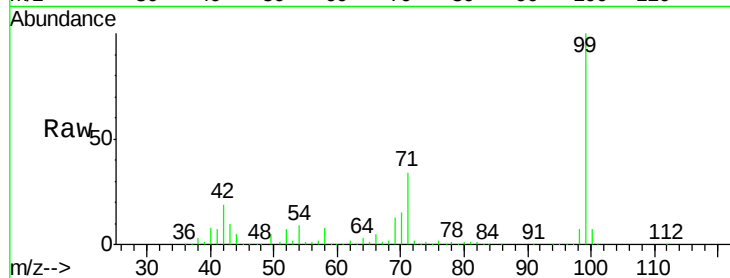
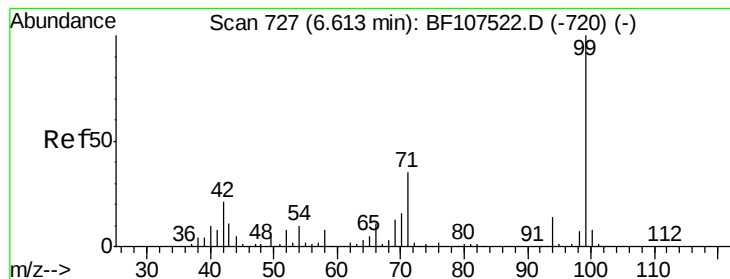
2-Fluorophenol
Concen: 80.245 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion:112 Resp: 842474
Ion Ratio Lower Upper
112 100
64 63.4 47.9 71.9
63 32.3 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: 83.138 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

ClientSampleId :

CON-BALLARDS-0-2

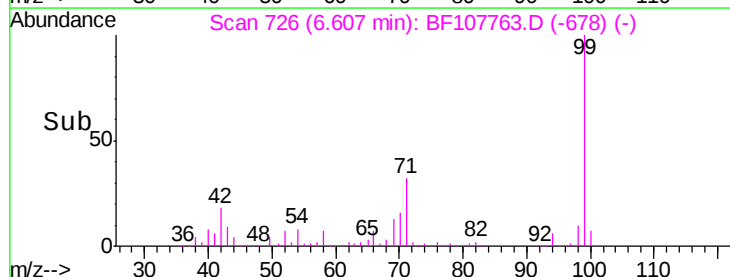
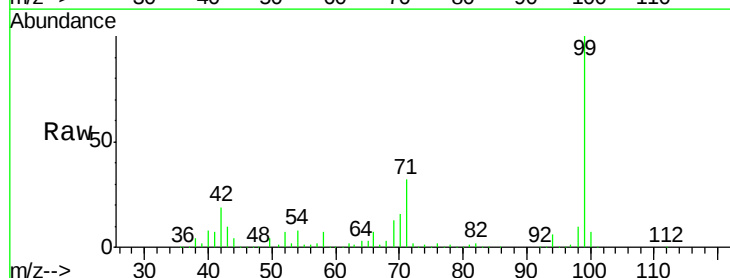
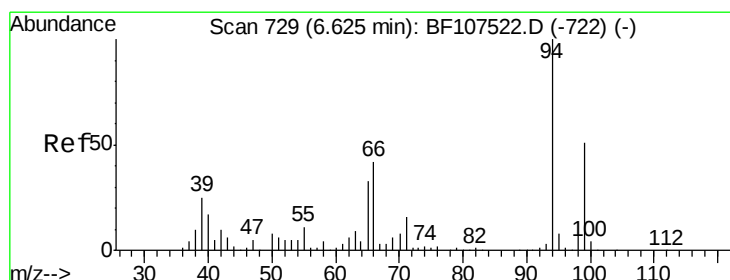
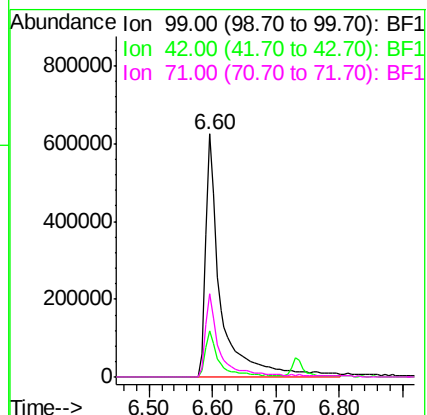
Tgt Ion: 99 Resp: 1048067

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 34.5 25.4 38.0



#10

Phenol

Concen: 2.450 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

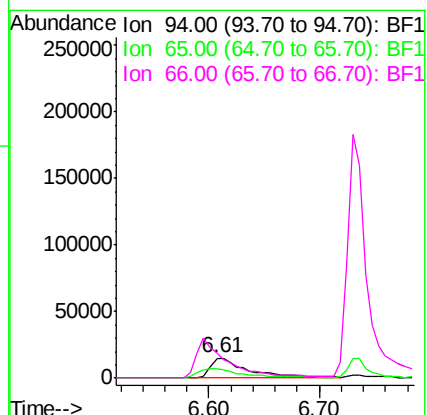
Tgt Ion: 94 Resp: 36324

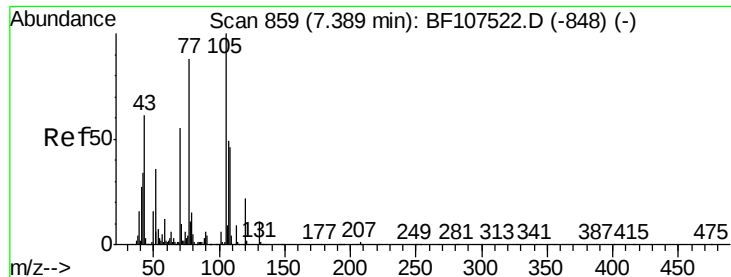
Ion Ratio Lower Upper

94 100

65 44.6 7.9 47.9

66 123.6 16.2 56.2#

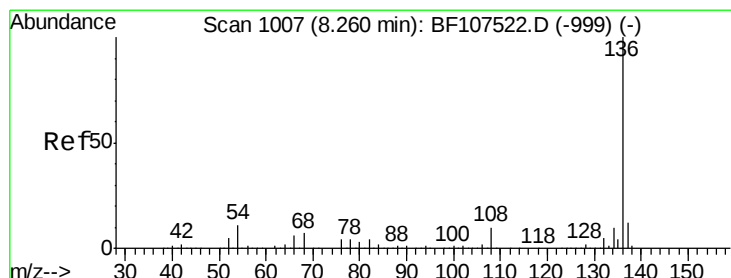
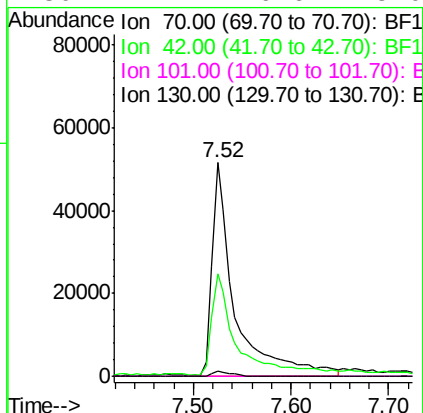
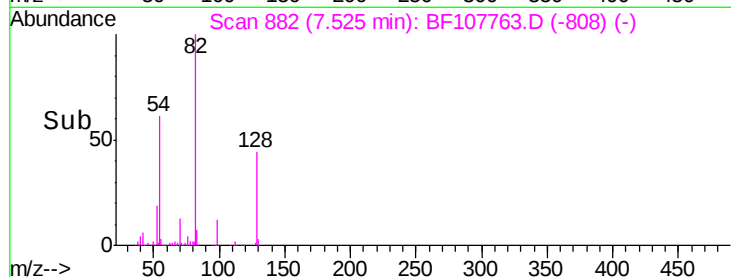
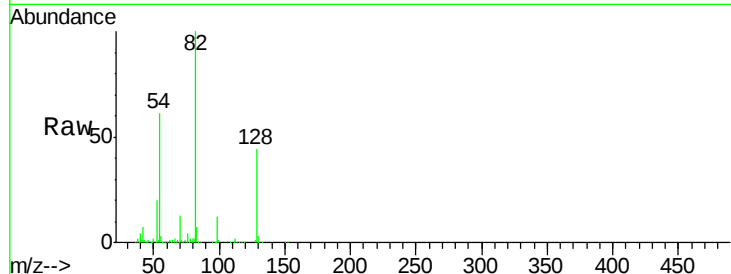




#19
n-Nitroso-di-n-propylamine
Concen: 10.221 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

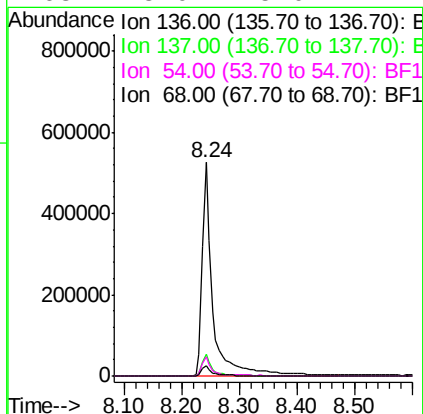
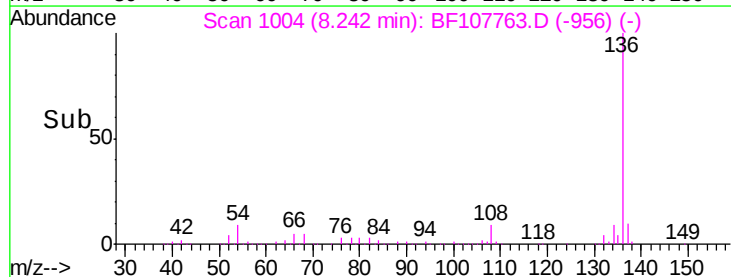
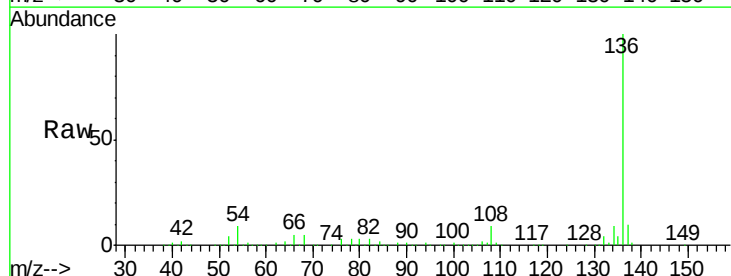
Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

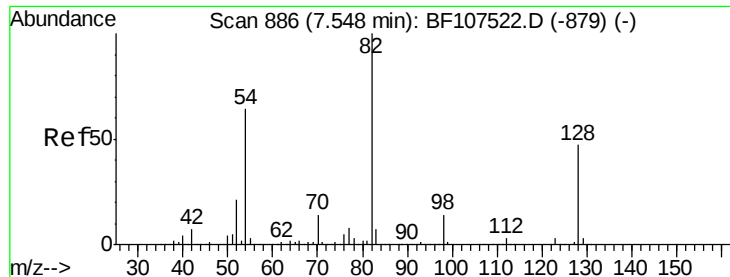
Tgt Ion: 70 Resp: 83239
Ion Ratio Lower Upper
70 100
42 48.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion: 136 Resp: 697908
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 9.2 6.6 9.8
68 5.0 5.0 7.4

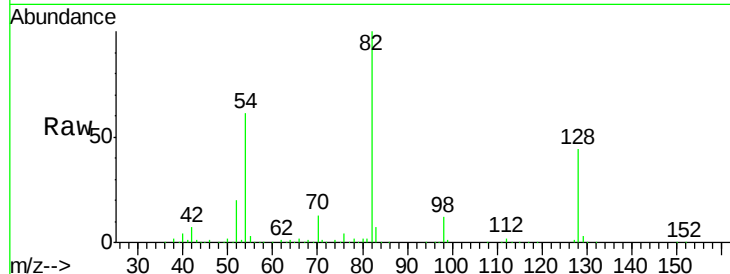




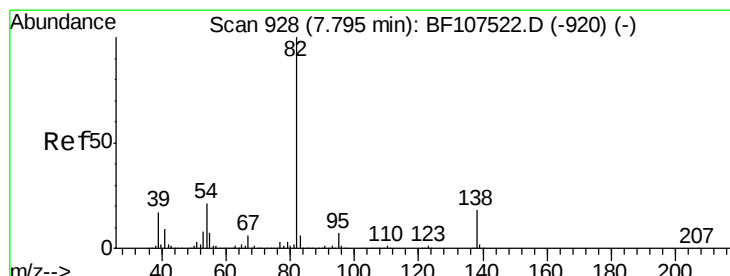
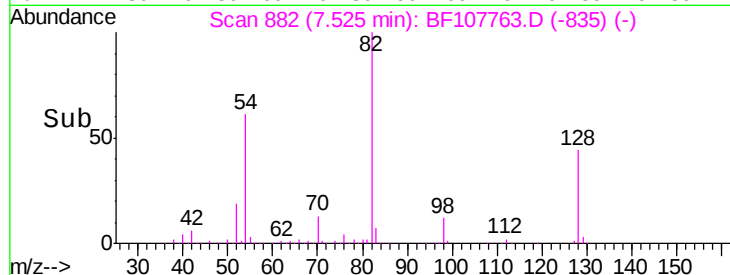
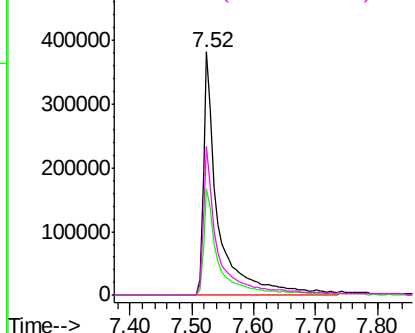
#23
 Nitrobenzene-d5
 Concen: 63.009 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

Instrument :
 BNA_F
 ClientSampleId :
 CON-BALLARDS-0-2

Tgt Ion: 82 Resp: 651593
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 61.1 41.4 62.2

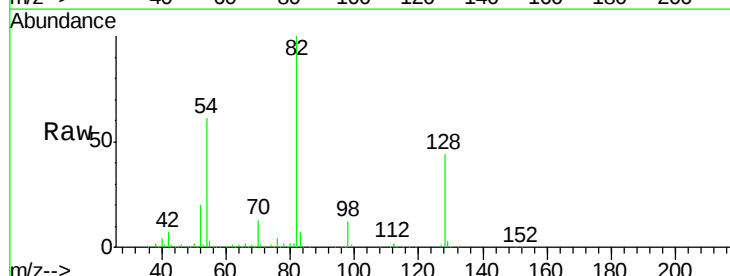


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

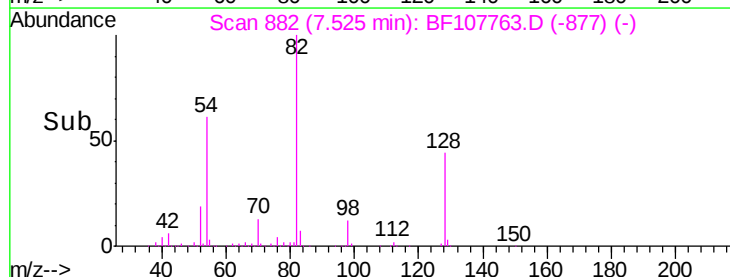
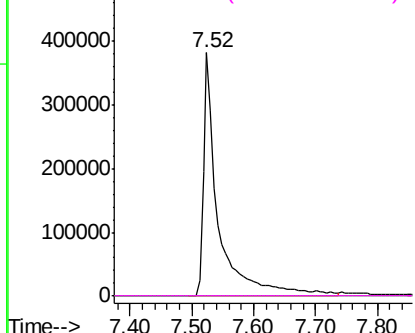


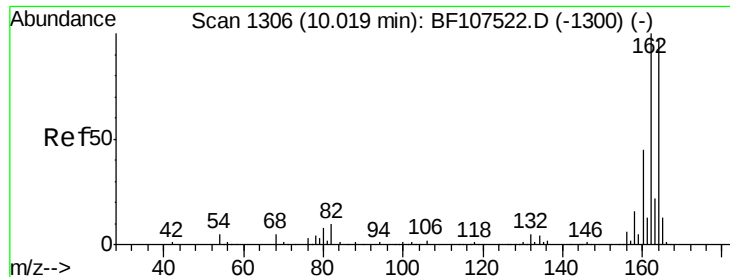
#25
 Isophorone
 Concen: 29.510 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.27 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

Tgt Ion: 82 Resp: 651593
 Ion Ratio Lower Upper
 82 100
 95 0.0 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

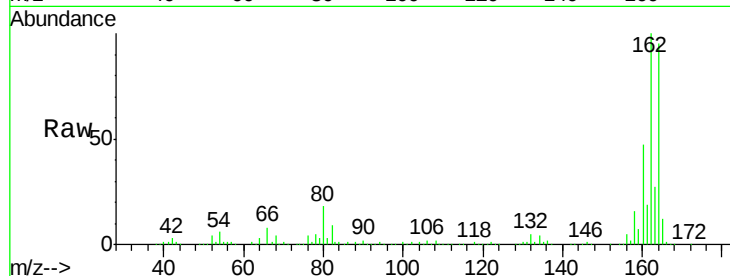




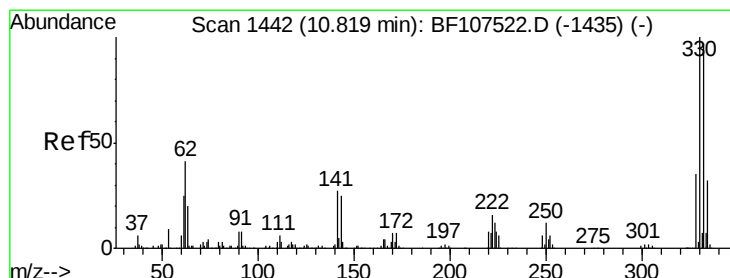
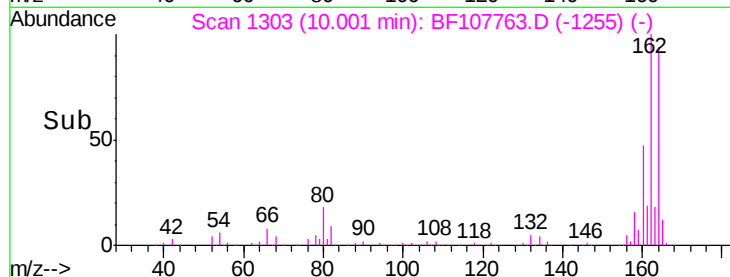
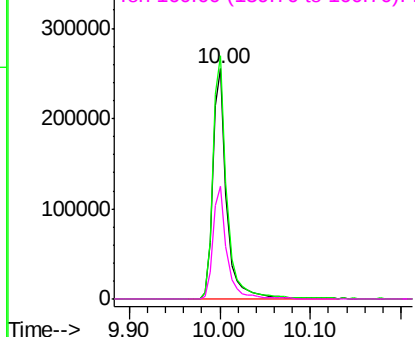
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

Tgt Ion:164 Resp: 277000
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 49.1 38.3 57.5

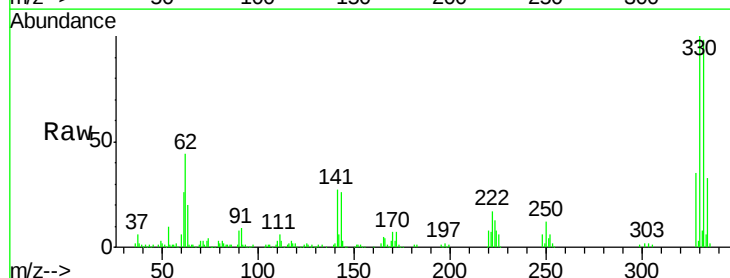


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

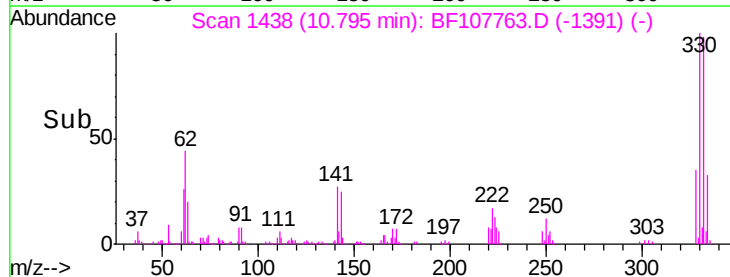
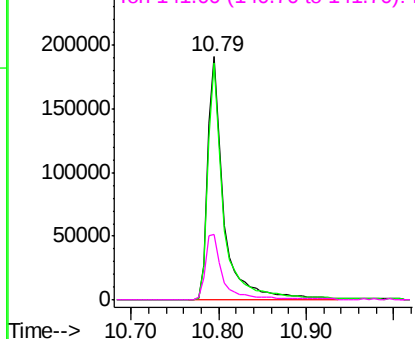


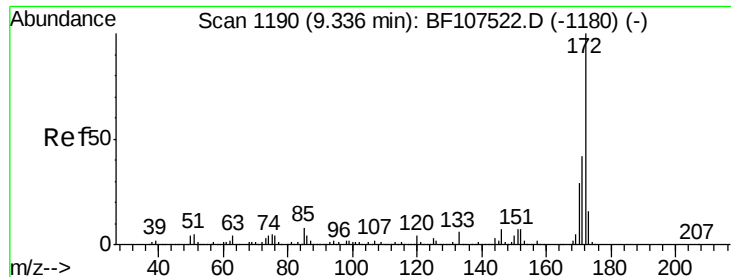
#41
2,4,6-Tribromophenol
Concen: 78.735 ng
RT: 10.79 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion:330 Resp: 248009
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 29.1 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

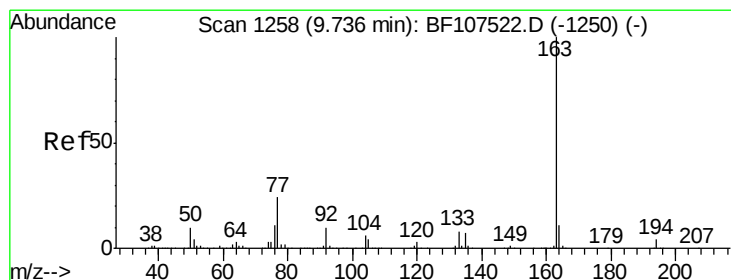
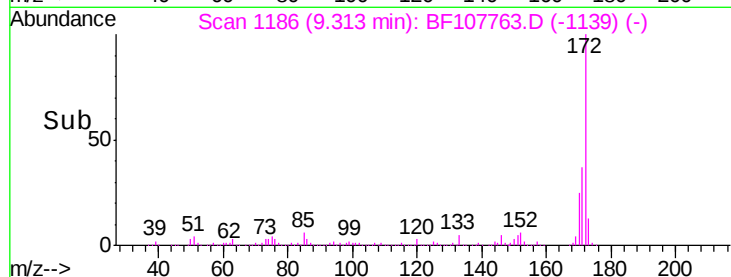
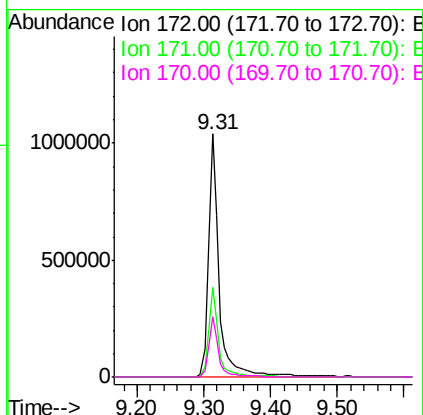
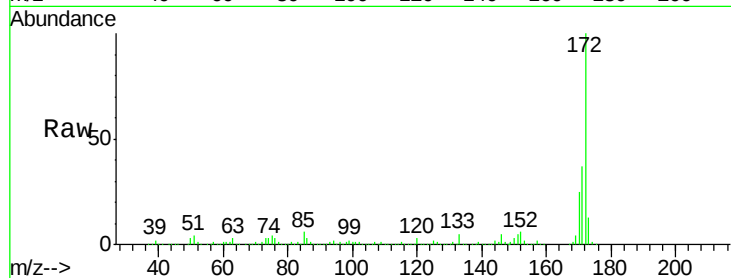




#44
2-Fluorobiphenyl
Concen: 69.565 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

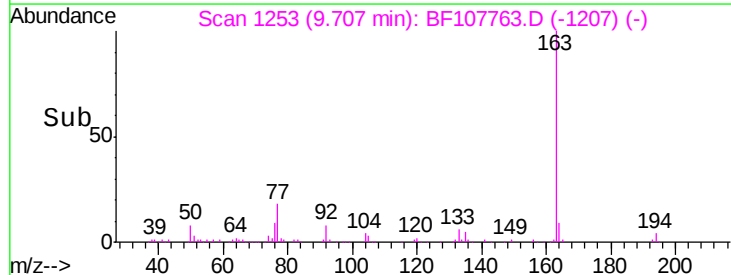
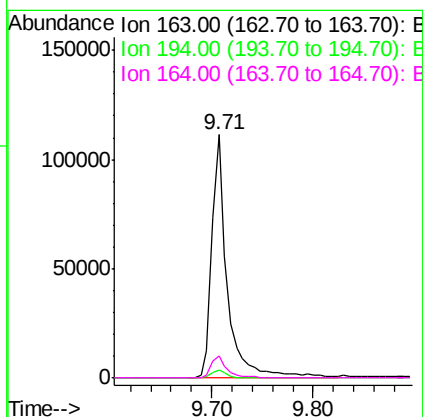
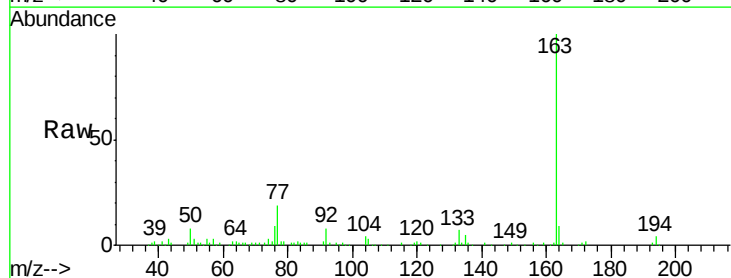
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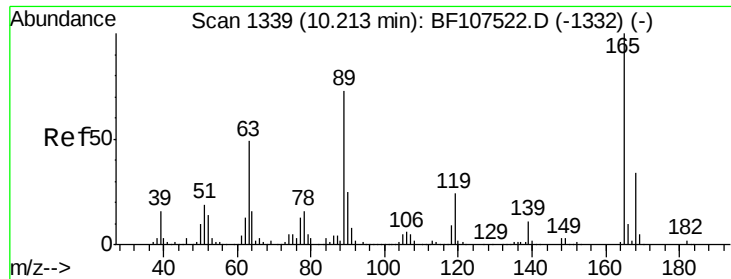
Tgt Ion:172 Resp: 1183822
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.6 19.6 29.4



#49
Dimethylphthalate
Concen: 5.720 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion:163 Resp: 119409
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.3 8.2 12.2

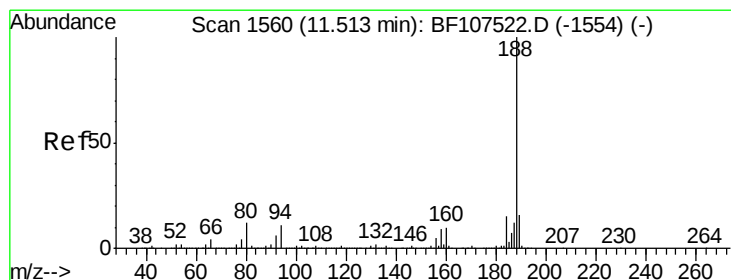
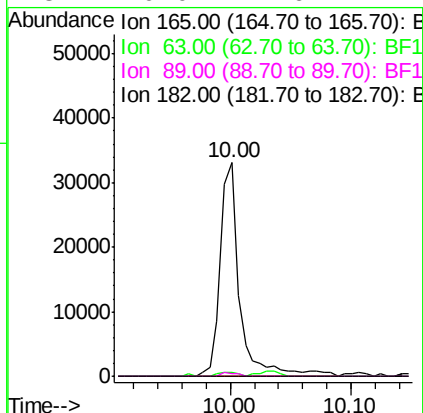
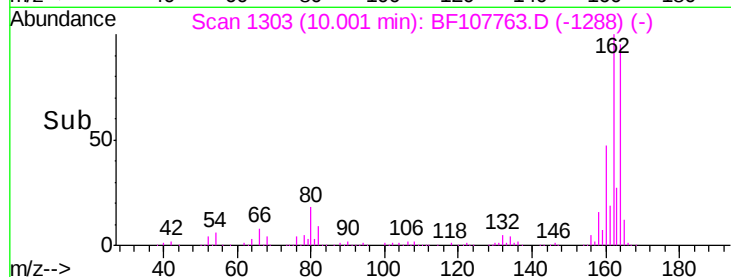
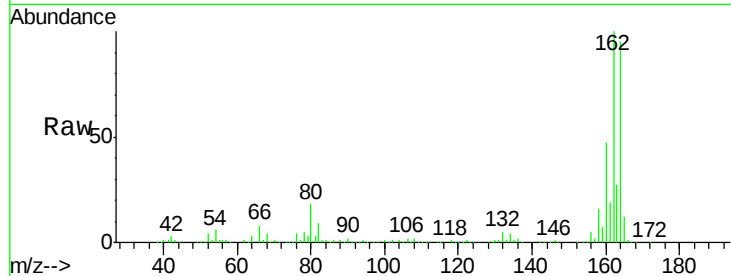




#56
2,4-Dinitrotoluene
Concen: 7.333 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.21 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

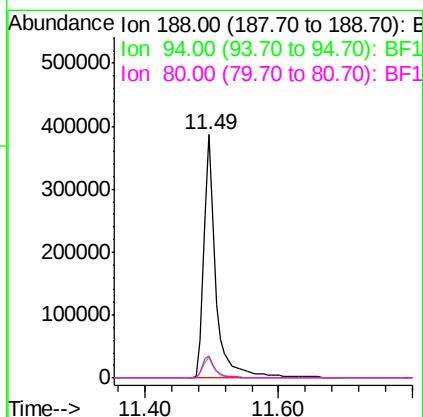
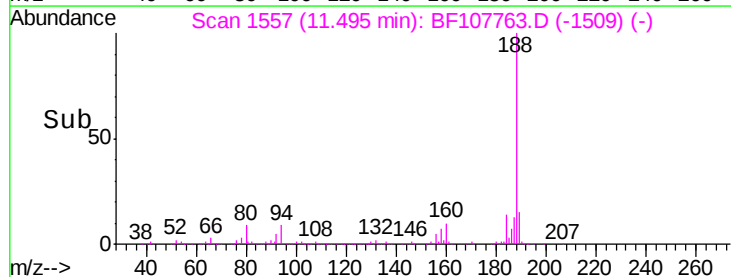
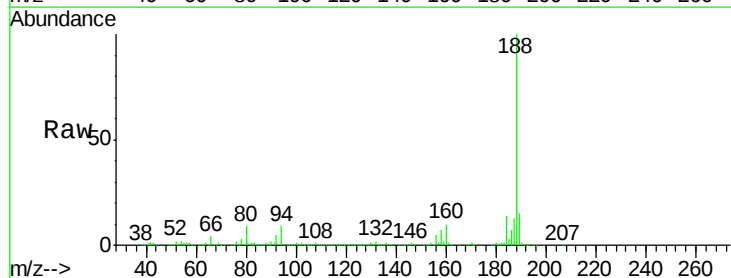
Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

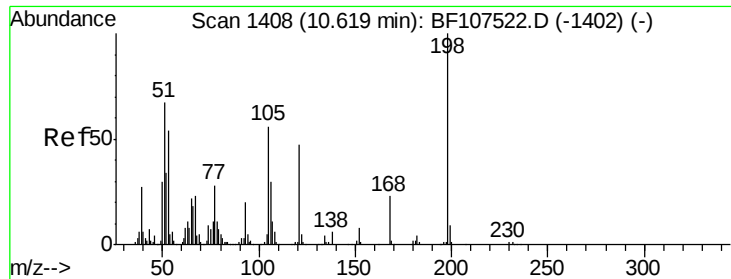
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.0	9.2	13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.815 ng

RT: 10.79 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

ClientSampleId :

CON-BALLARDS-0-2

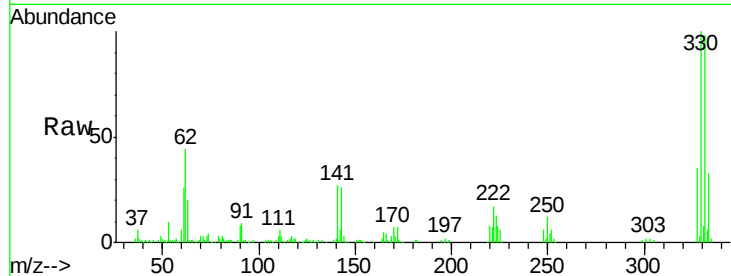
Tgt Ion:198 Resp: 379

Ion Ratio Lower Upper

198 100

51 277.6 37.7 77.7#

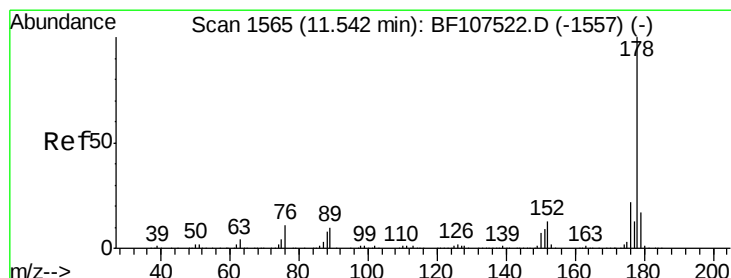
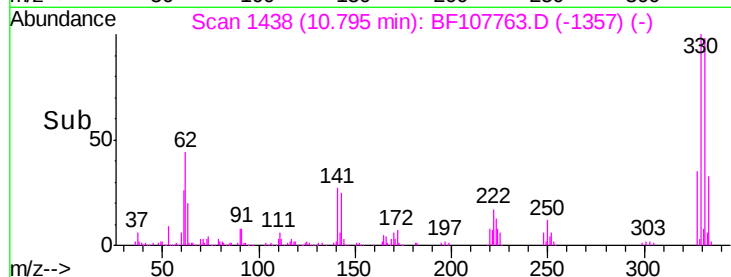
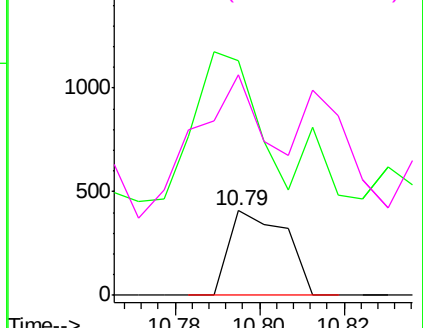
105 261.2 36.3 76.3#



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: 4.848 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

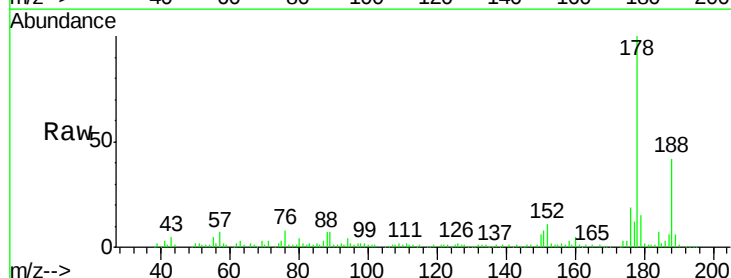
Tgt Ion:178 Resp: 113494

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

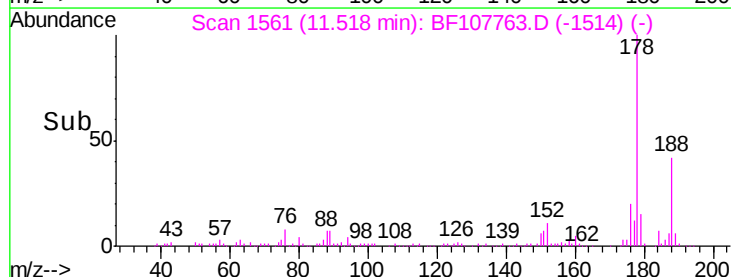
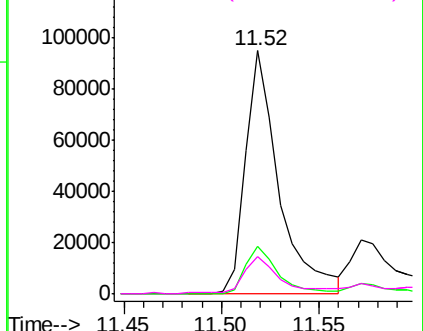
179 15.3 13.0 19.6

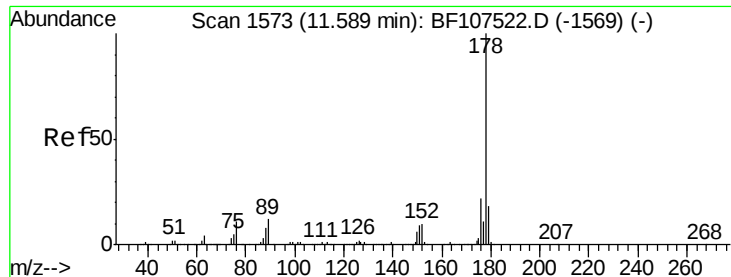


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.815 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.07 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

ClientSampleId :

CON-BALLARDS-0-2

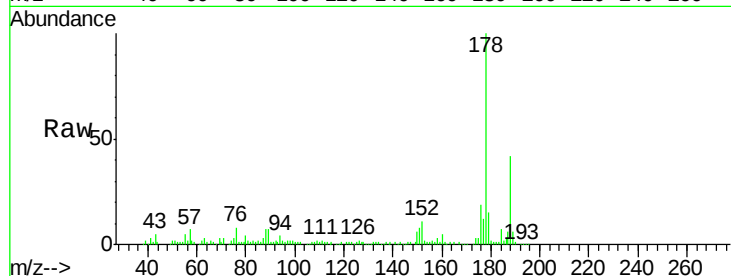
Tgt Ion:178 Resp: 113494

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

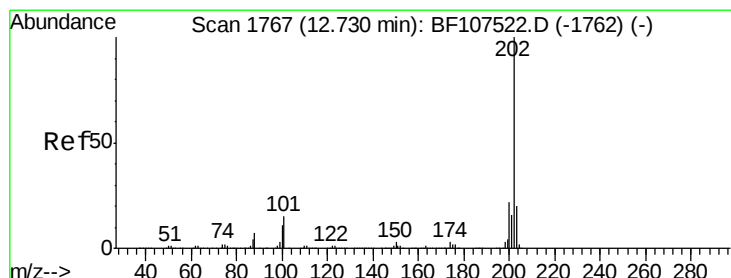
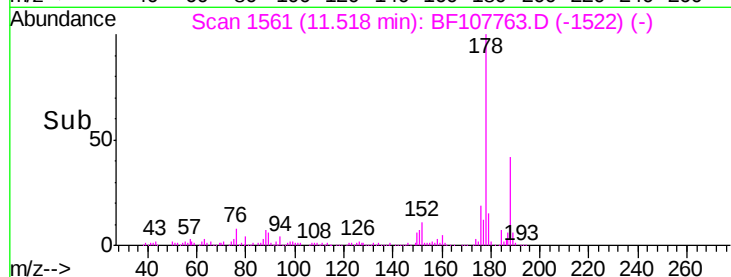
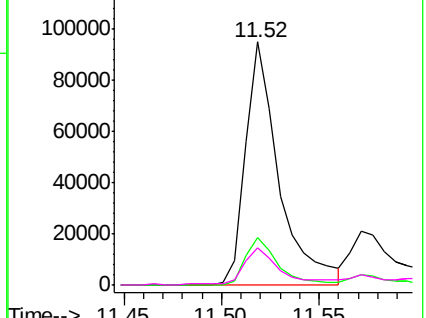
179 15.3 12.6 19.0



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: 14.011 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

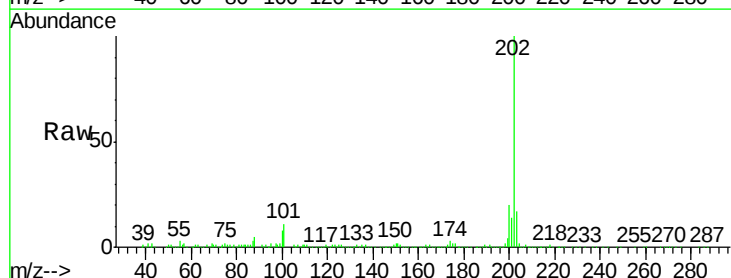
Tgt Ion:202 Resp: 351978

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

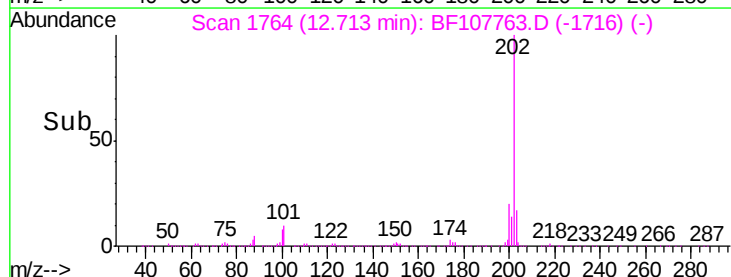
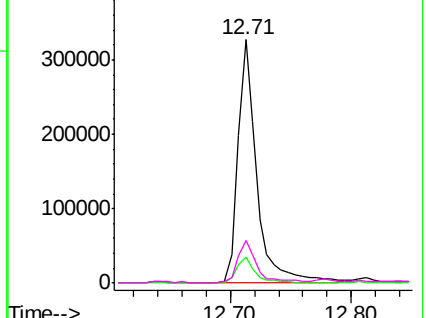
203 17.5 0.0 38.1

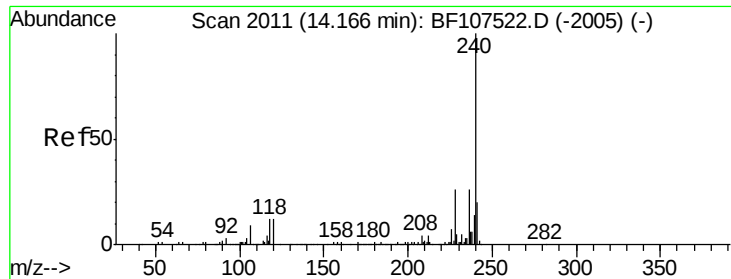


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

ClientSampleId :

CON-BALLARDS-0-2

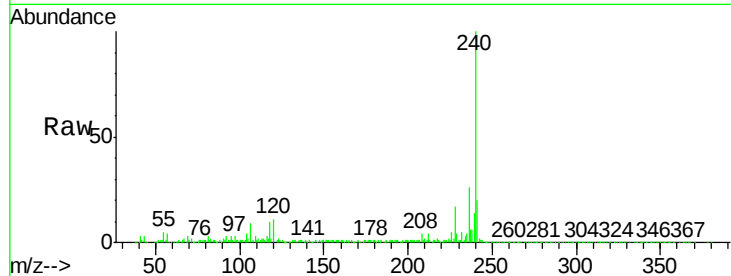
Tgt Ion:240 Resp: 420185

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

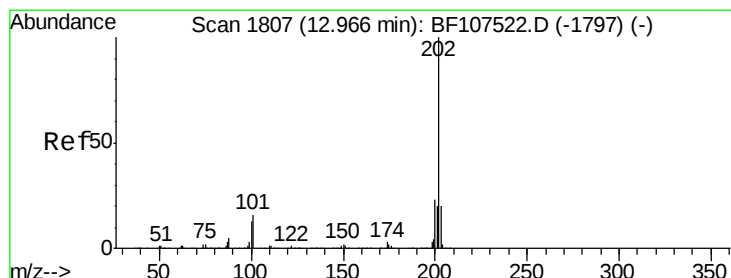
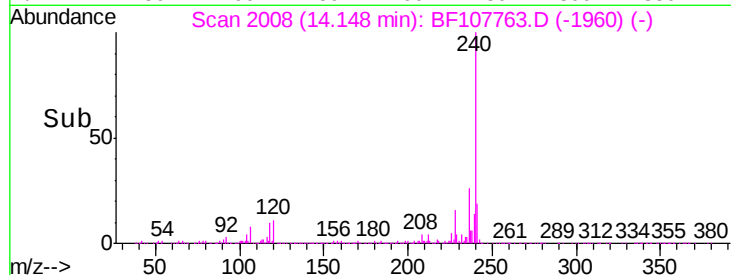
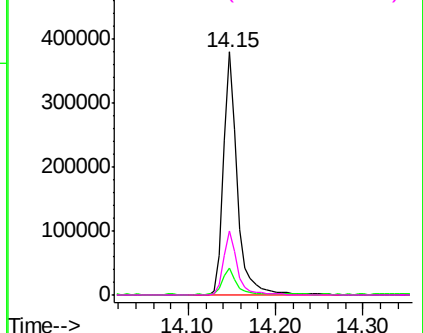
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.145 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

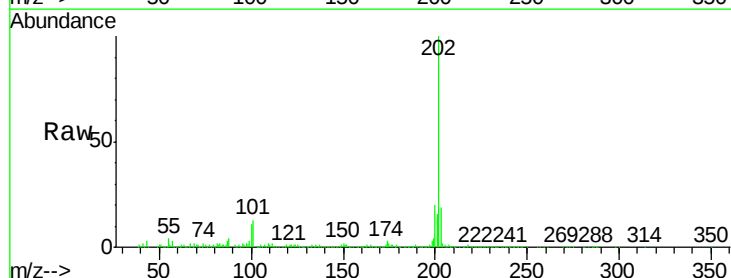
Tgt Ion:202 Resp: 349061

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

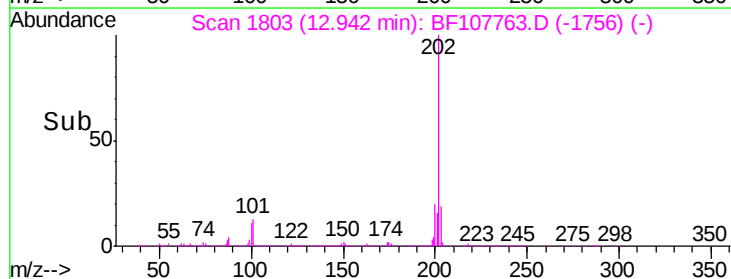
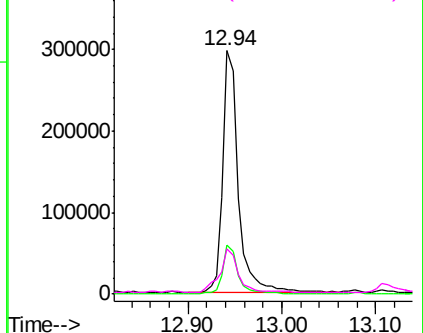
203 18.8 14.3 21.5

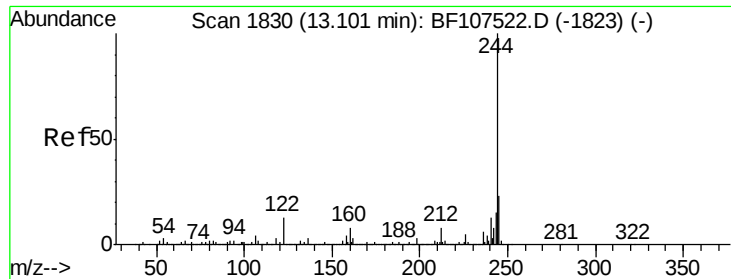


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

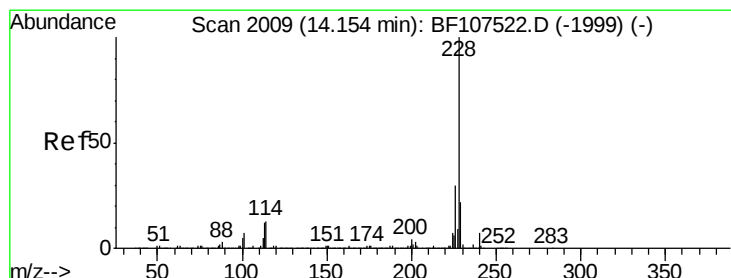
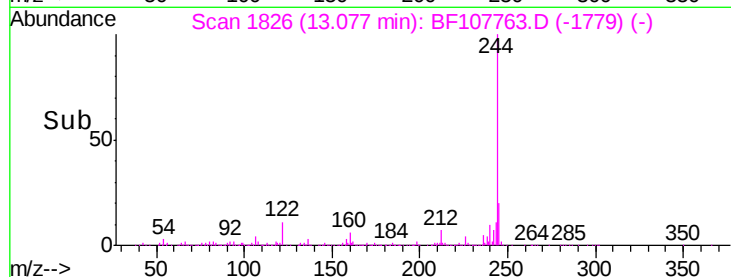
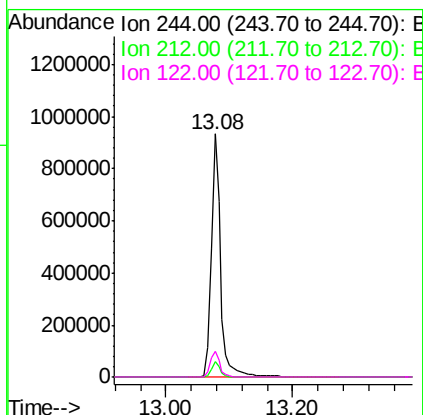
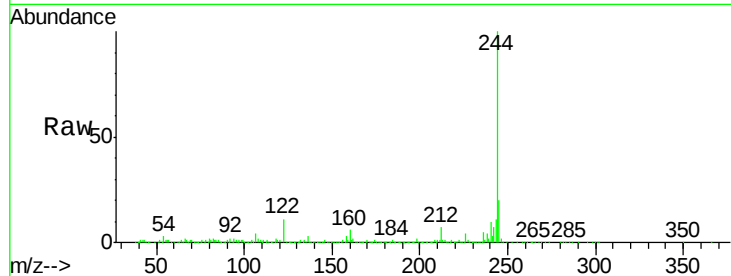




#78
 Terphenyl-d14
 Concen: 59.568 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

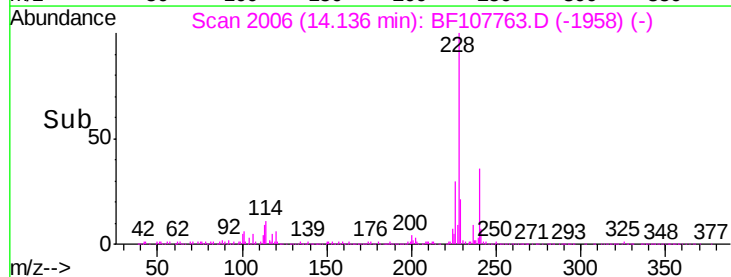
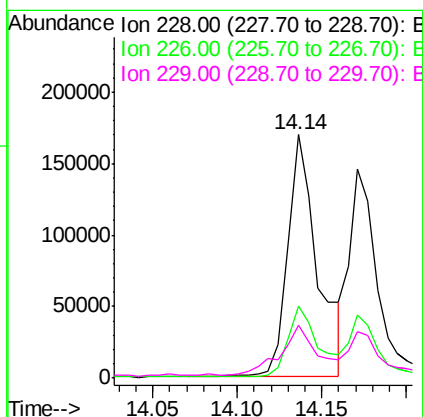
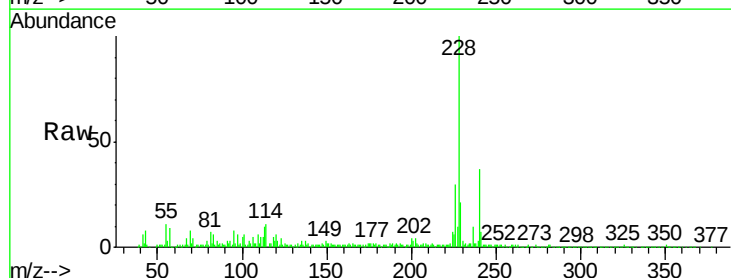
Instrument :
 BNA_F
 ClientSampleId :
 CON-BALLARDS-0-2

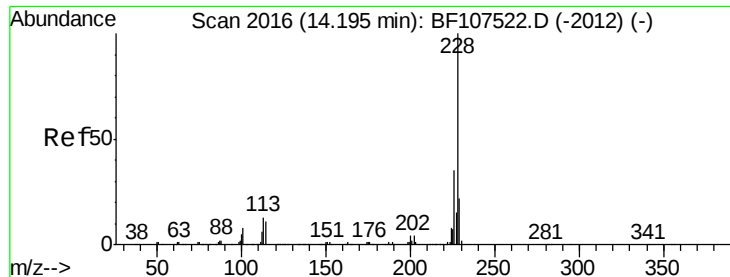
Tgt Ion:244 Resp: 977691
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 8.465 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

Tgt Ion:228 Resp: 208442
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 21.5 15.8 23.6





#82

Chrysene

Concen: 7.143 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

ClientSampleId :

CON-BALLARDS-0-2

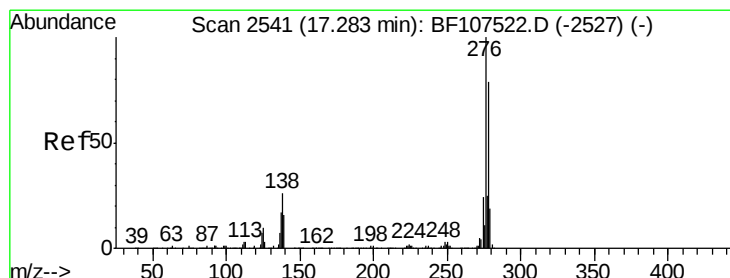
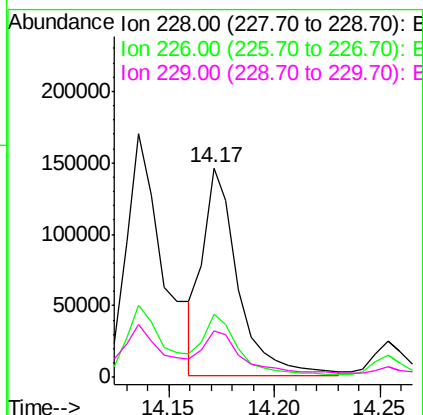
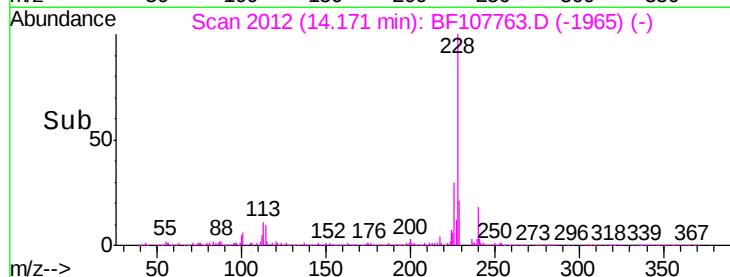
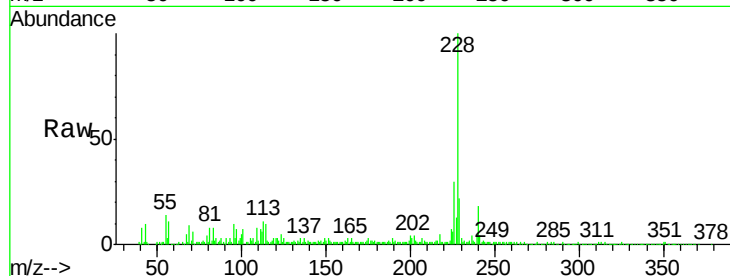
Tgt Ion:228 Resp: 168954

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

229 22.1 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.460 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

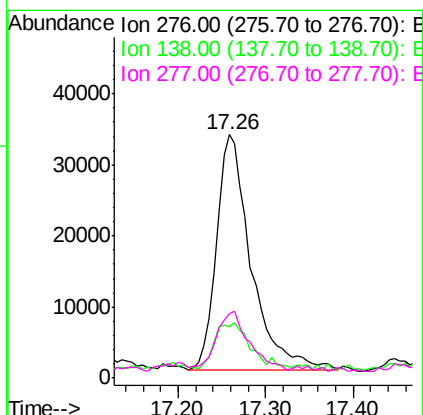
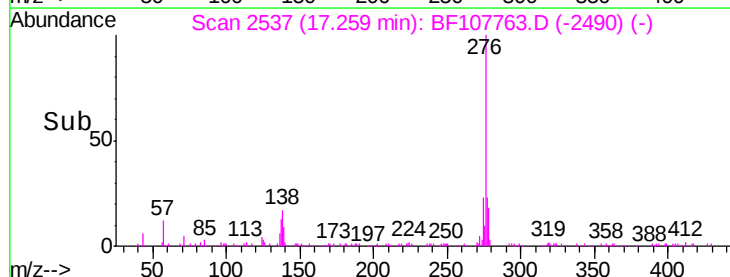
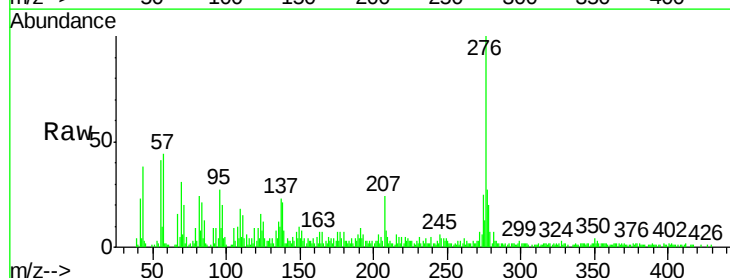
Tgt Ion:276 Resp: 89418

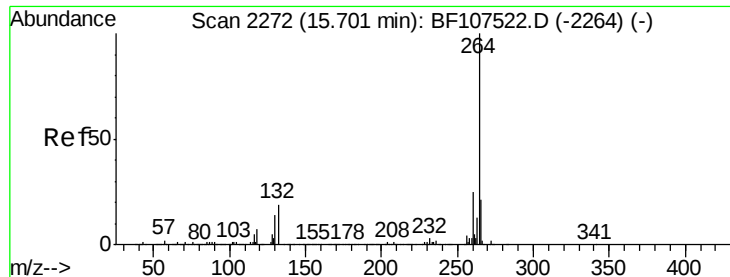
Ion Ratio Lower Upper

276 100

138 20.1 25.0 37.6#

277 23.6 20.1 30.1

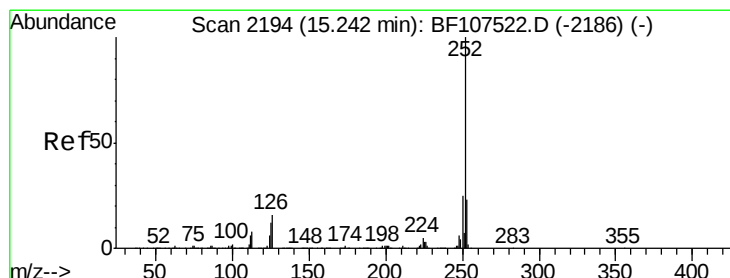
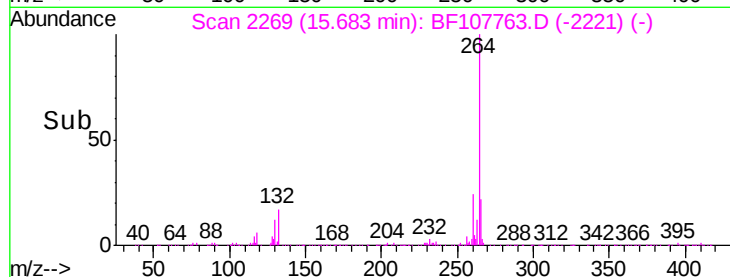
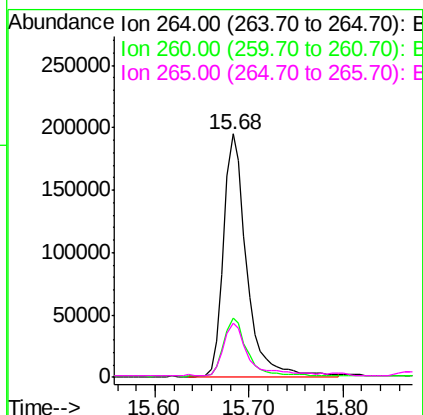
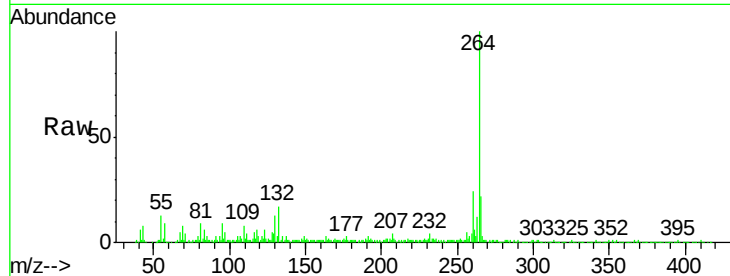




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

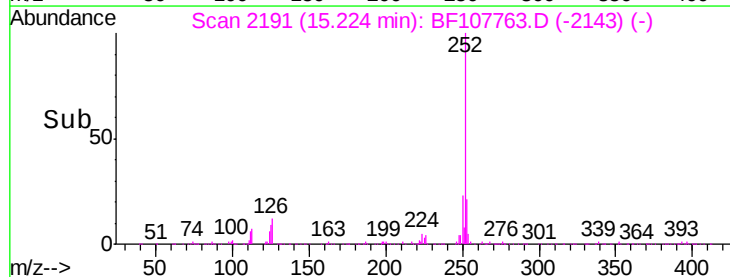
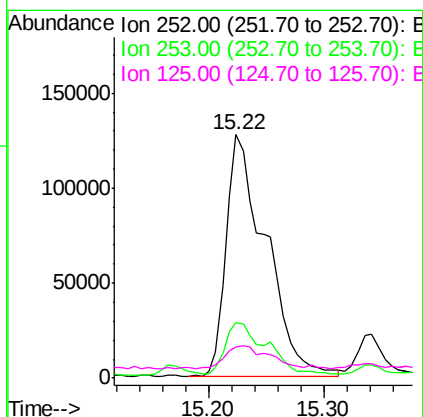
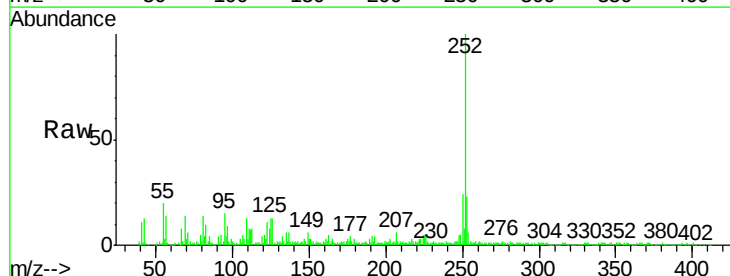
Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

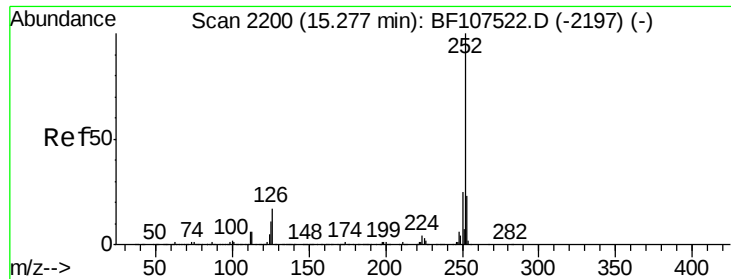
Tgt Ion:264 Resp: 332206
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 16.733 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion:252 Resp: 304232
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 12.8 9.0 13.6

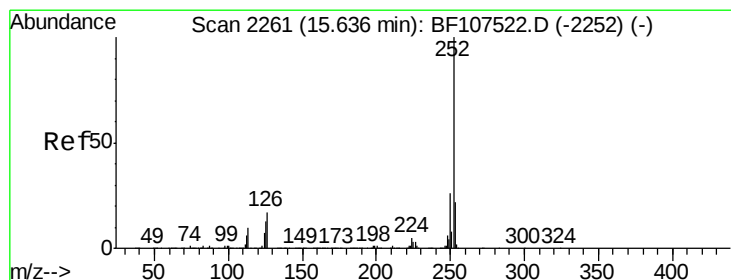
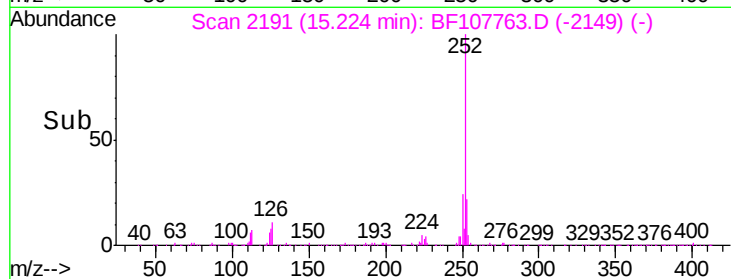
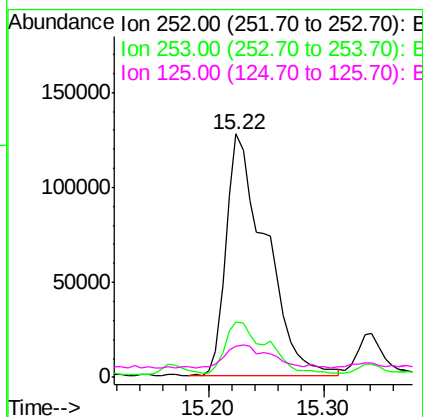
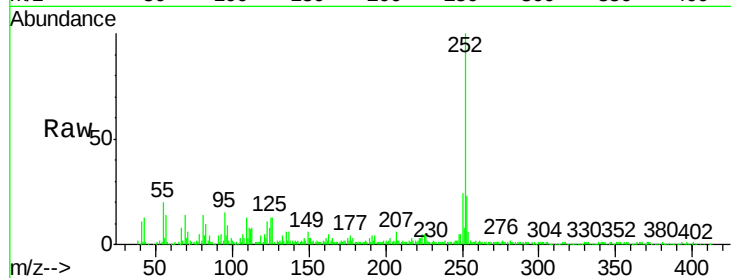




#88
Benzo(k)fluoranthene
Concen: 17.080 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.05 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

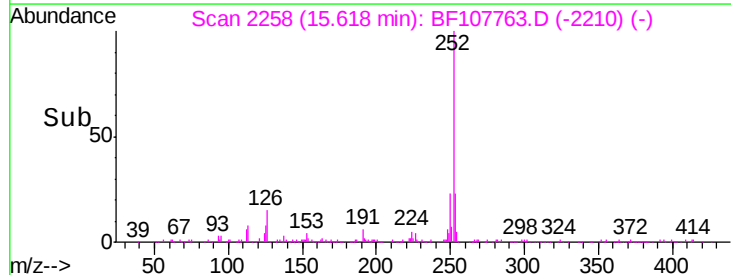
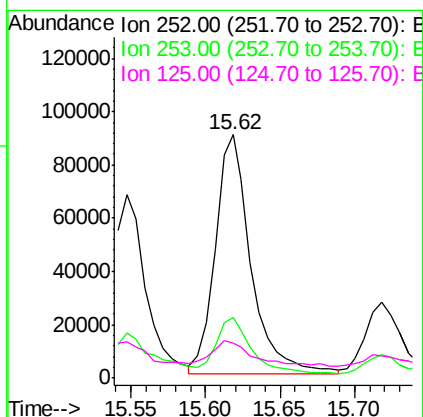
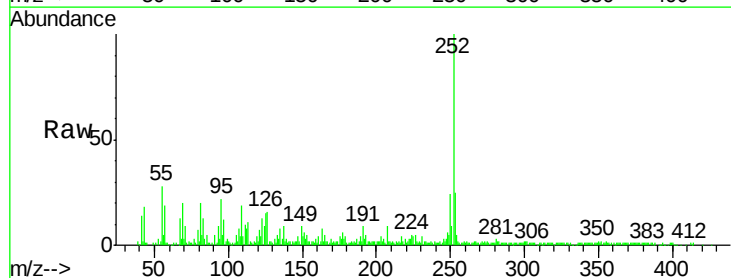
Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

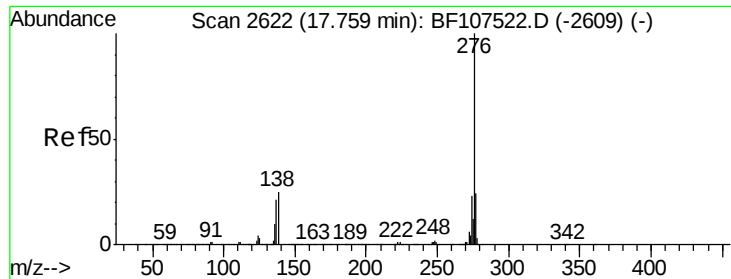
Tgt Ion:252 Resp: 304232
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 12.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.083 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion:252 Resp: 151061
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 14.6 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 6.624 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

ClientSampleId :

CON-BALLARDS-0-2

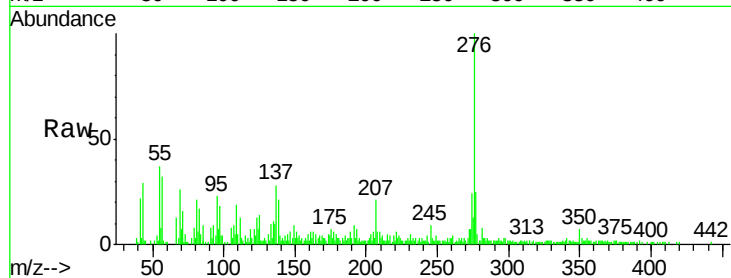
Tgt Ion:276 Resp: 93931

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 21.0 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

