

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107626.D
 Acq On : 24 Jul 2018 18:31
 Operator : JU/SJ
 Sample : J4110-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GS-RO-338-RO-147-RO-278

Quant Time: Jul 25 01:03:26 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	236782	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	838525	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	303770	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	517559	20.00	ng	0.00
75) Chrysene-d12	14.15	240	521901	20.00	ng	-0.01
86) Perylene-d12	15.69	264	439076	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	841027	57.11	ng	0.00
7) Phenol-d6	6.60	99	1046533	59.18	ng	-0.01
23) Nitrobenzene-d5	7.53	82	552556	44.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.82	330	198520	57.47	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1000498	49.86	ng	0.00
78) Terphenyl-d14	13.09	244	926201	45.43	ng	-0.01

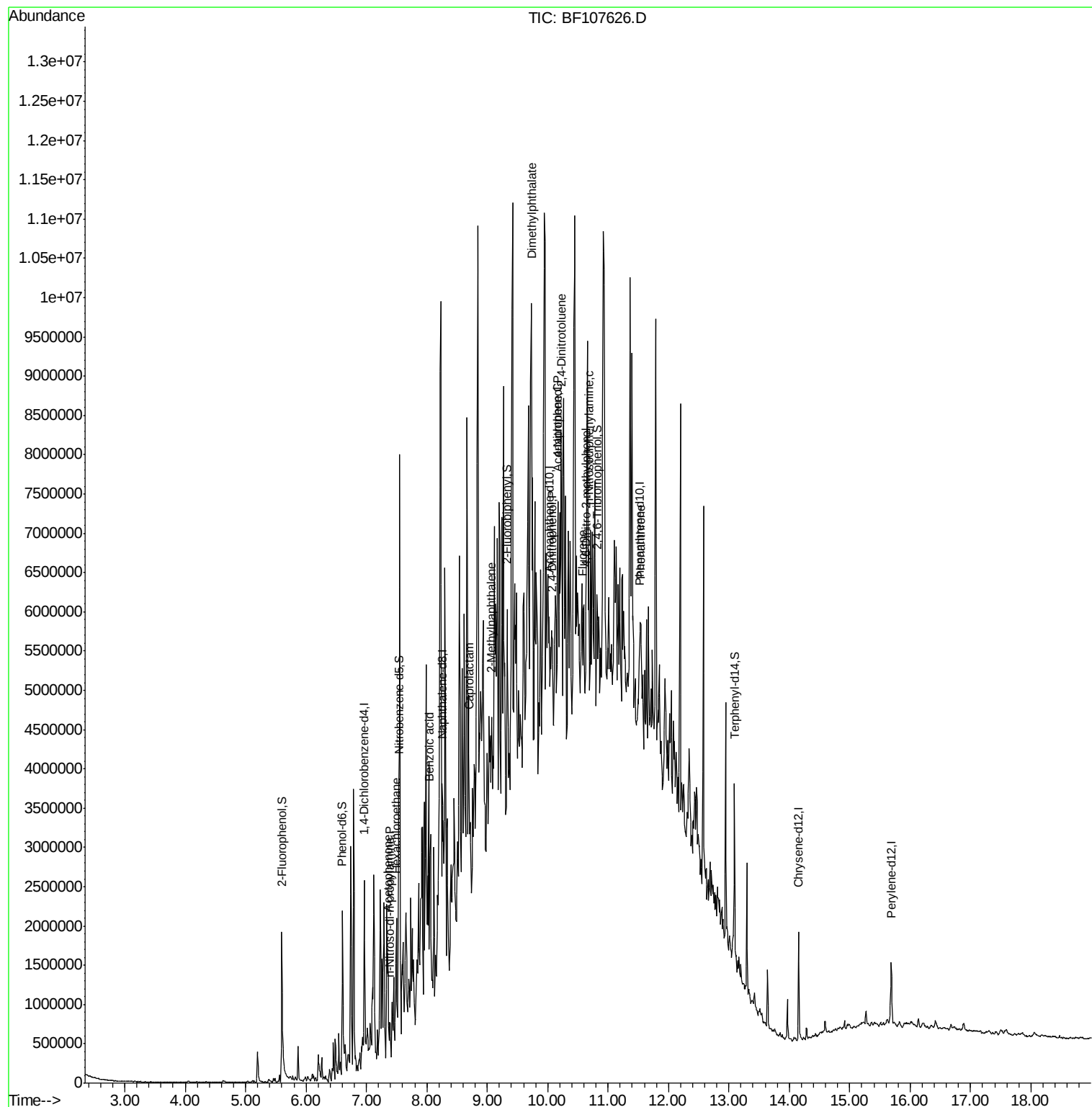
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2673	Below Cal	#	1
18) Hexachloroethane	7.50	117	41057	6.384	ng	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	30257	2.649	ng	# 65
22) Acetophenone	7.35	105	371098	18.844	ng	# 59
32) Benzoic acid	8.04	122	3188	8.235	ng	# 1
35) Caprolactam	8.70	113	20780	5.495	ng	# 1
37) 2-Methylnaphthalene	9.07	142	327147	12.803	ng	# 89
49) Dimethylphthalate	9.72	163	99849	4.361	ng	# 56
51) Acenaphthene	10.18	154	45252	2.377	ng	# 88
53) 2,4-Dinitrophenol	10.08	184	831	8.816	ng	# 1
55) 4-Nitrophenol	10.17	139	10128	2.446	ng	# 15
56) 2,4-Dinitrotoluene	10.22	165	35616	6.491	ng	# 57
57) Fluorene	10.58	166	67366	3.369	ng	# 67
64) 4,6-Dinitro-2-methylphenol	10.63	198	2428	9.477	ng	# 1
65) n-Nitrosodiphenylamine	10.68	169	418162	23.790	ng	# 37
70) Phenanthrene	11.54	178	157809	6.257	ng	# 88
73) Di-n-butylphthalate	12.05	149	15444	Below Cal	#	38
81) 3,3'-Dichlorobenzidine	14.08	252	725	Below Cal	#	62

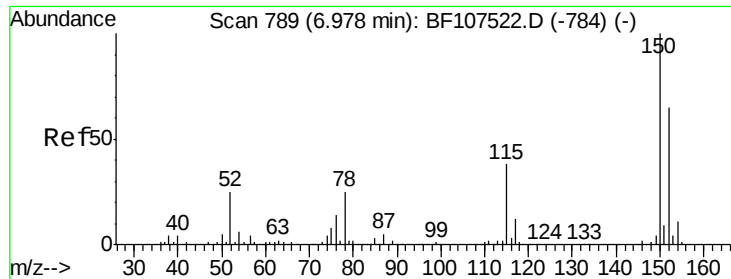
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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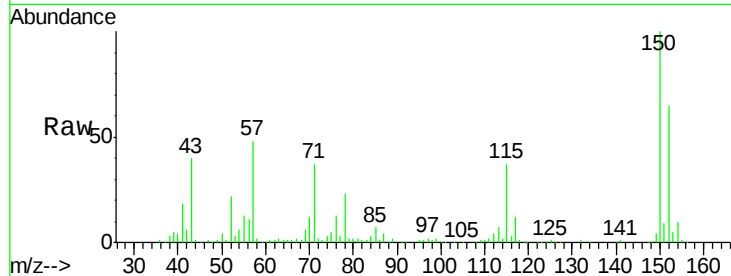


#1

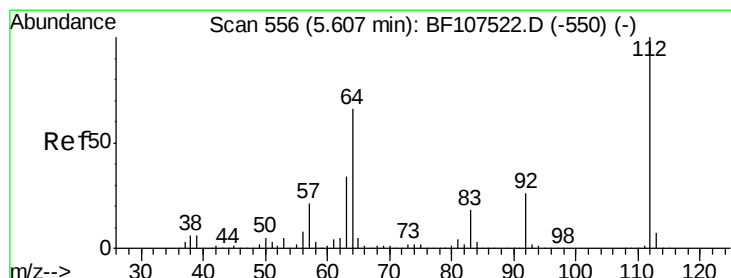
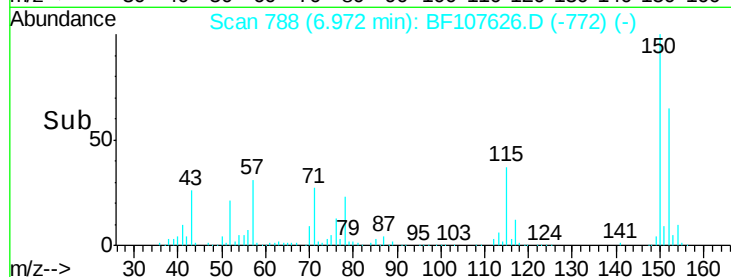
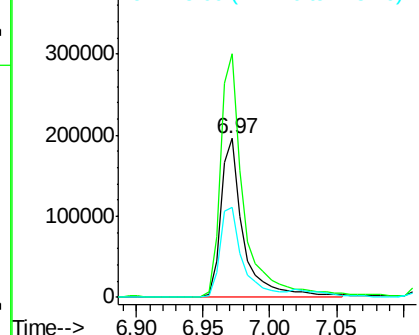
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Instrument :
BNA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

Tgt Ion:152 Resp: 236782
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 56.7 50.1 75.1



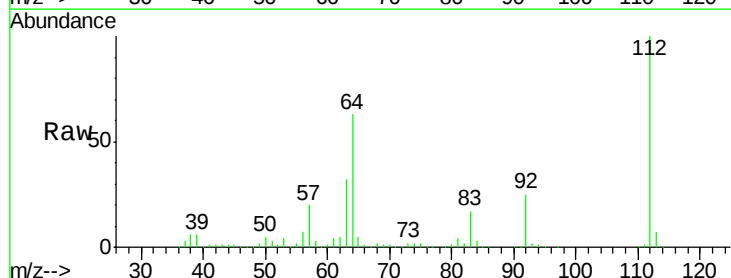
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



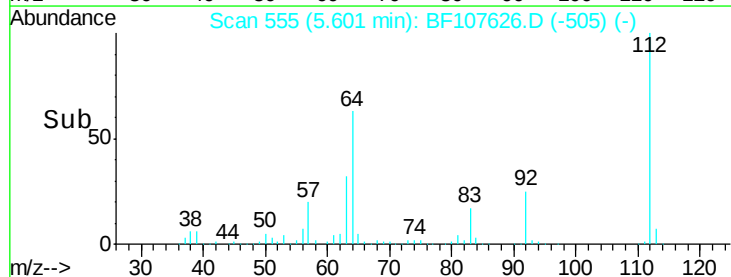
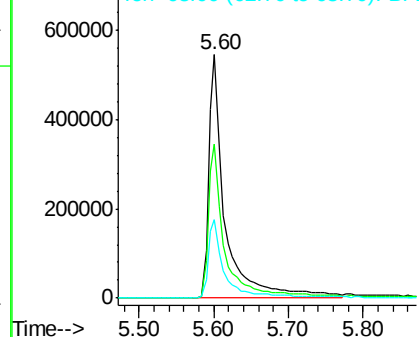
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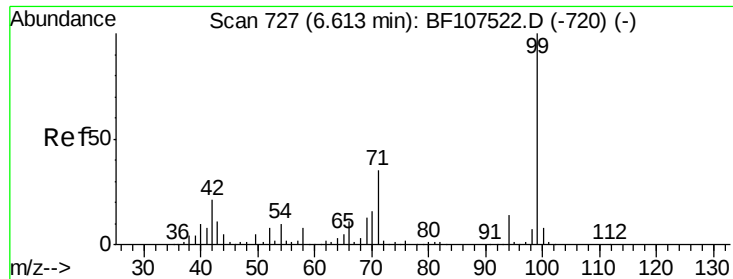
2-Fluorophenol
Concen: 57.108 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion:112 Resp: 841027
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 32.2 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: 59.182 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107626.D

Acq: 24 Jul 2018 18:31

Instrument :

BNA_F

ClientSampleId :

GS-RO-338-RO-147-RO-278

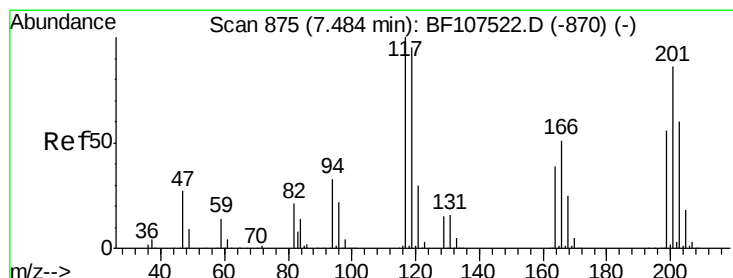
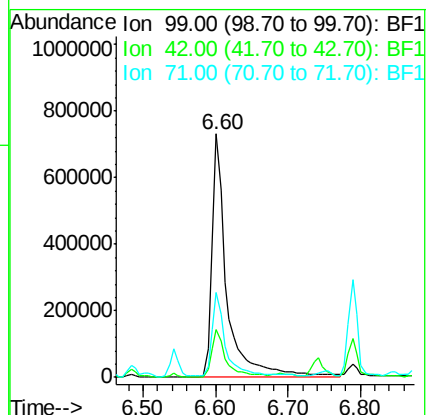
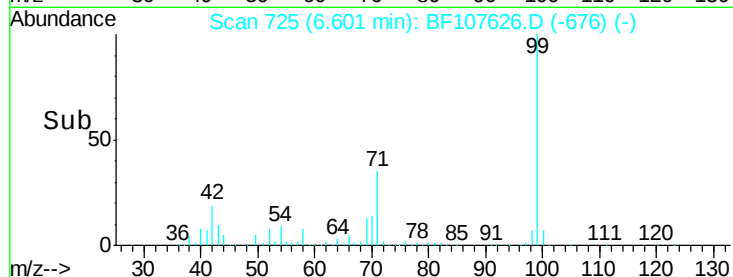
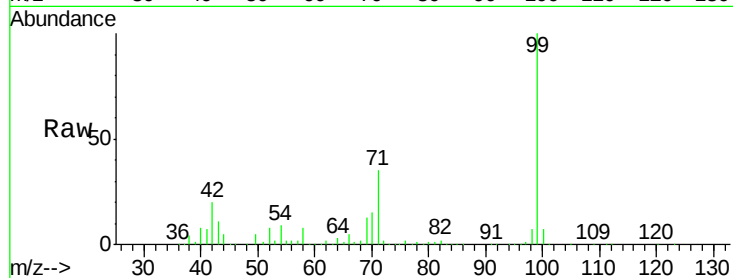
Tgt Ion: 99 Resp: 1046533

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 35.0 25.4 38.0



#18

Hexachloroethane

Concen: 6.384 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.01 min

Lab File: BF107626.D

Acq: 24 Jul 2018 18:31

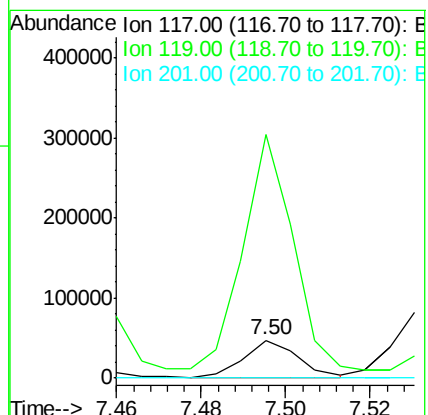
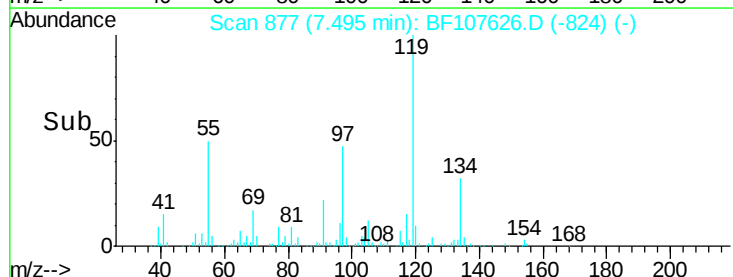
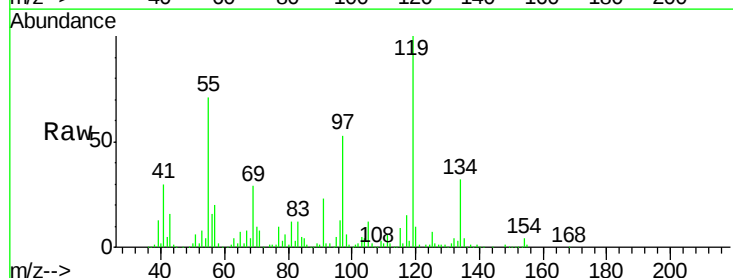
Tgt Ion: 117 Resp: 41057

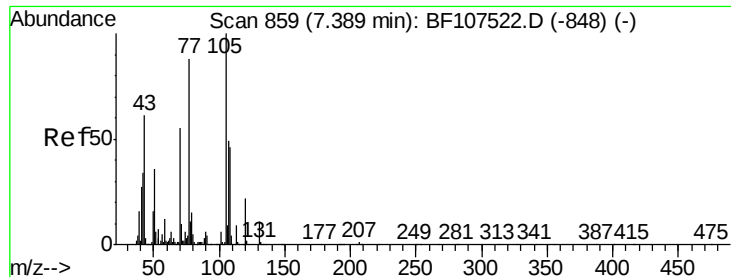
Ion Ratio Lower Upper

117 100

119 647.8 75.8 113.8#

201 0.0 75.7 113.5#

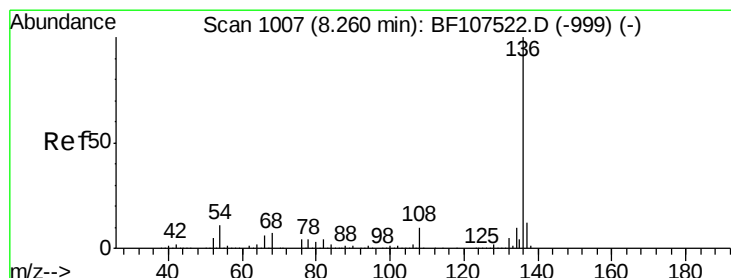
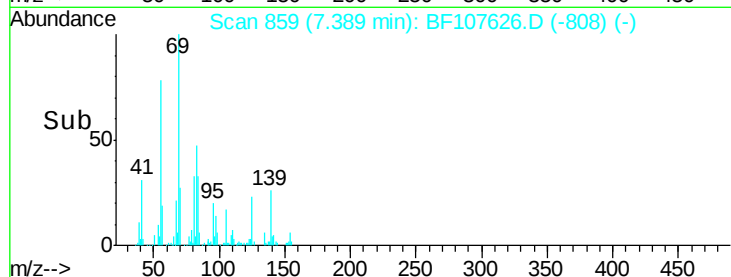
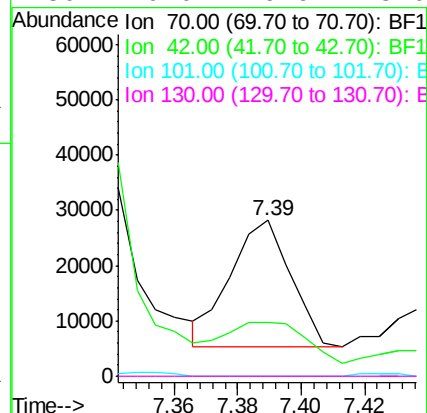
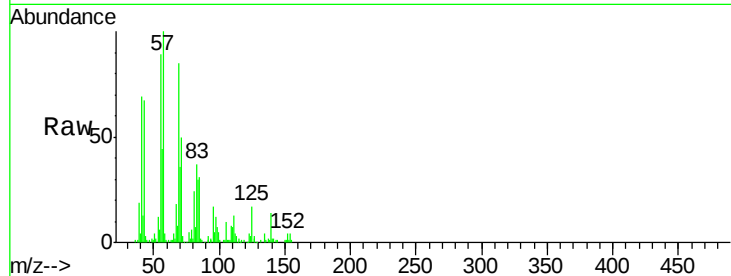




#19
n-Nitroso-di-n-propylamine
Concen: 2.649 ng
RT: 7.39 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

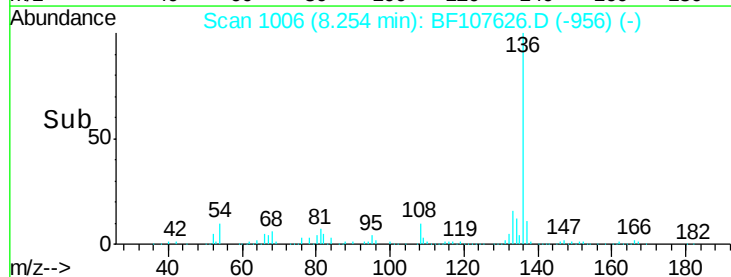
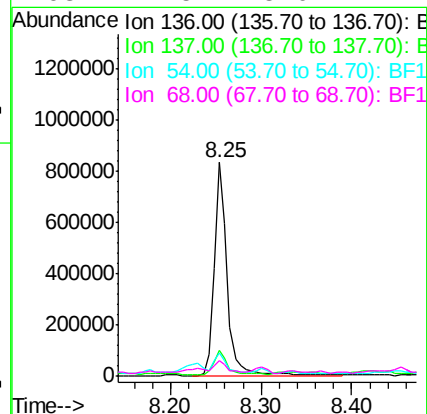
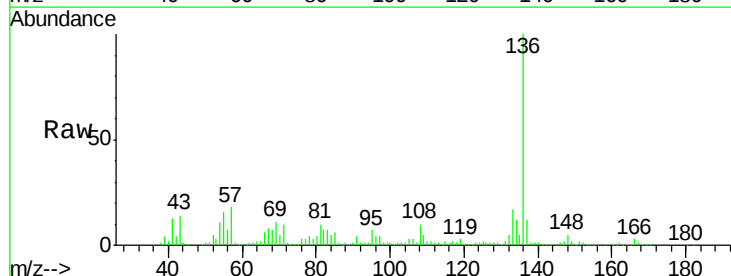
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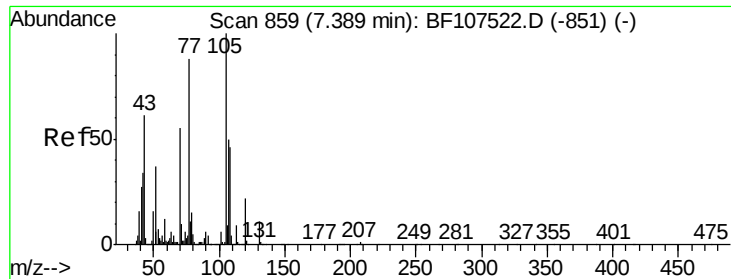
Tgt Ion:	70	Resp:	30257
Ion	Ratio	Lower	Upper
70	100		
42	34.8	47.5	71.3#
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion:	136	Resp:	838525
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	10.9	6.6	9.8#
68	7.5	5.0	7.4#

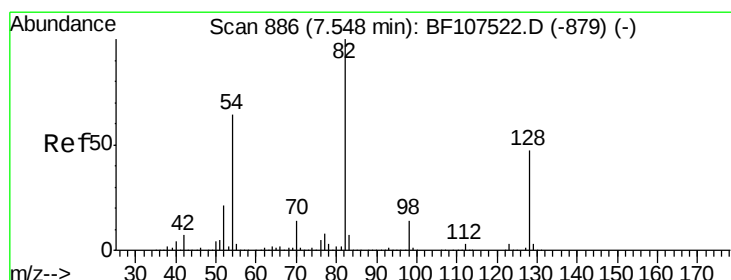
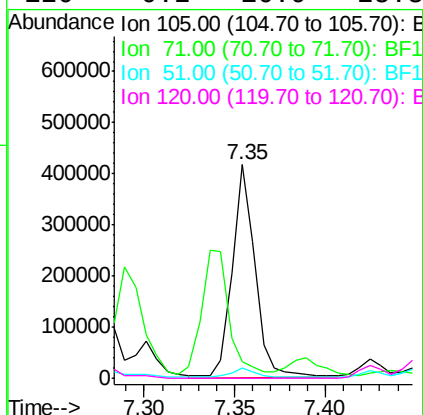
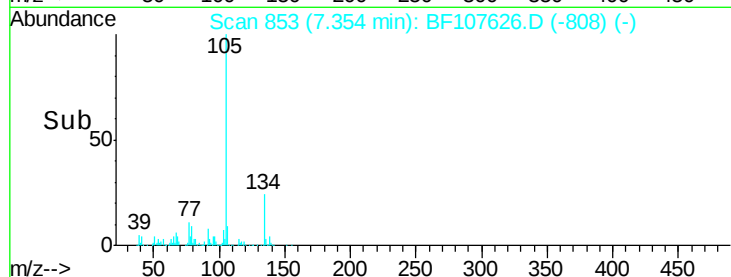
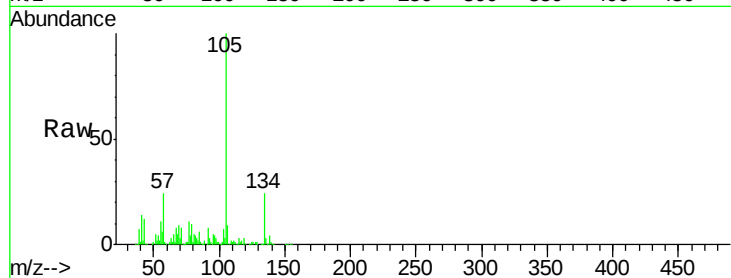




#22
Acetophenone
Concen: 18.844 ng
RT: 7.35 min Scan# 853
Delta R.T. -0.04 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

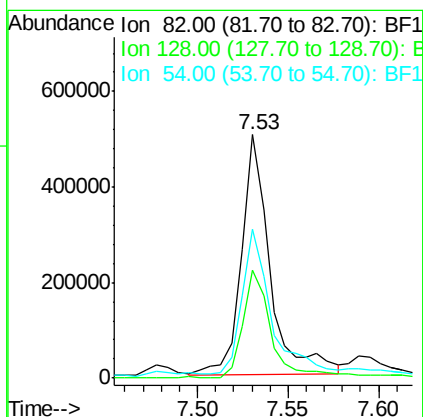
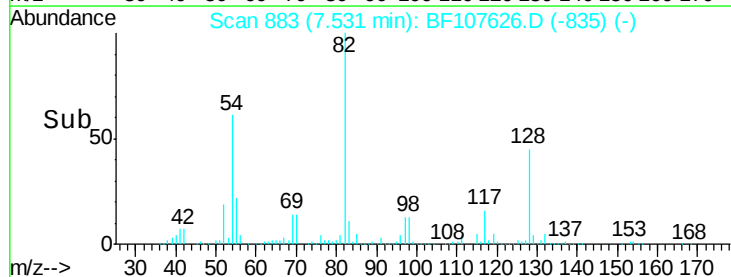
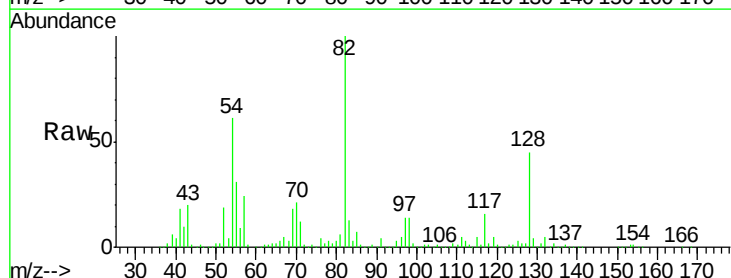
Instrument :
BNA_F
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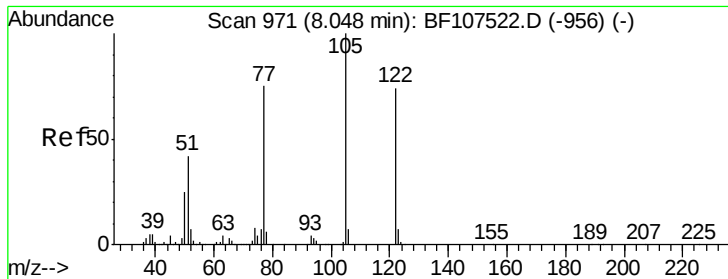
Tgt Ion: 105 Resp: 371098
Ion Ratio Lower Upper
105 100
71 7.6 4.4 6.6#
51 4.6 22.3 33.5#
120 0.2 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 44.472 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion: 82 Resp: 552556
Ion Ratio Lower Upper
82 100
128 44.5 36.1 54.1
54 61.3 41.4 62.2

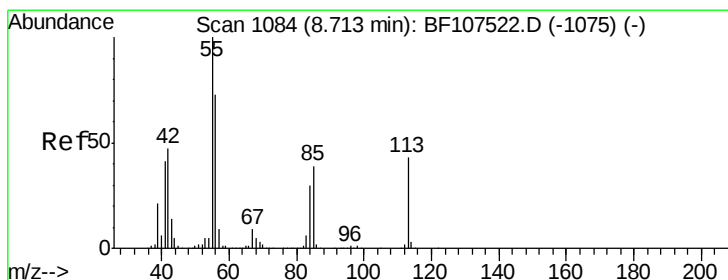
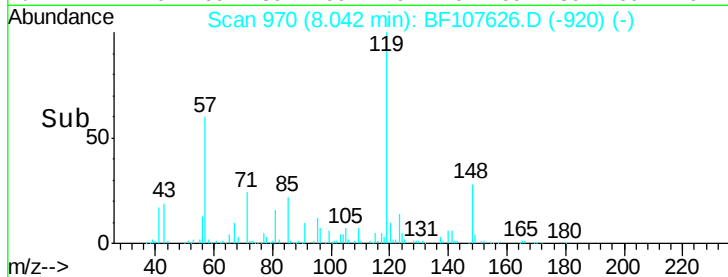
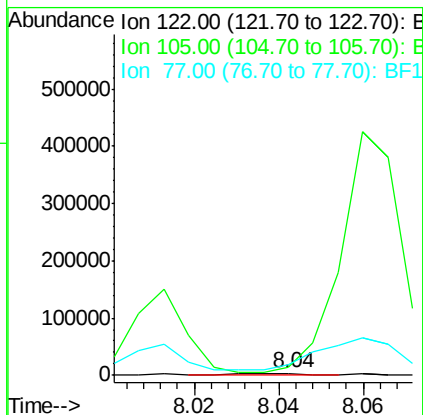
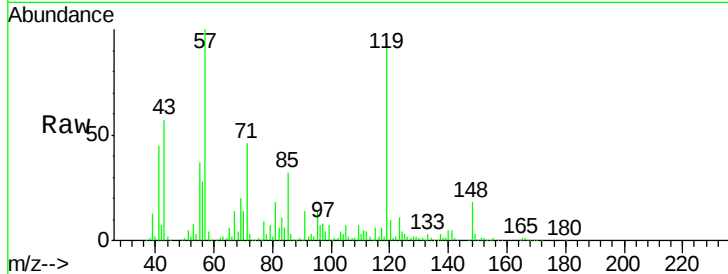




#32
Benzoic acid
Concen: 8.235 ng
RT: 8.04 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

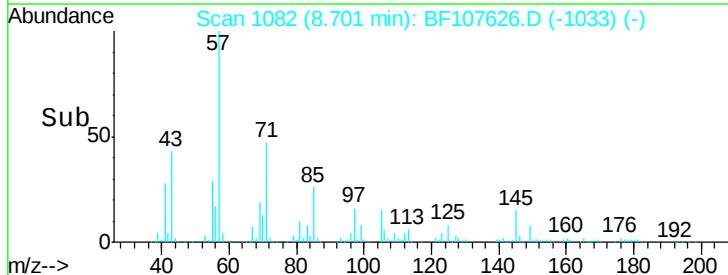
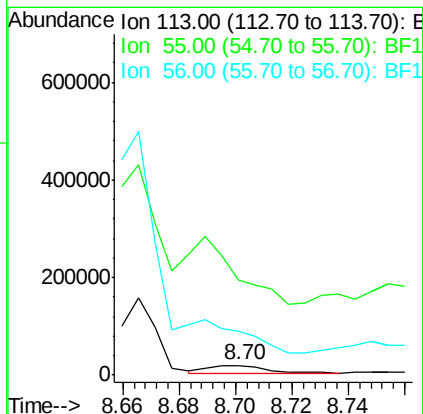
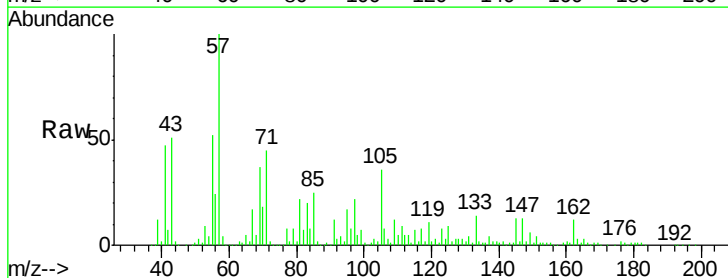
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BNA_F
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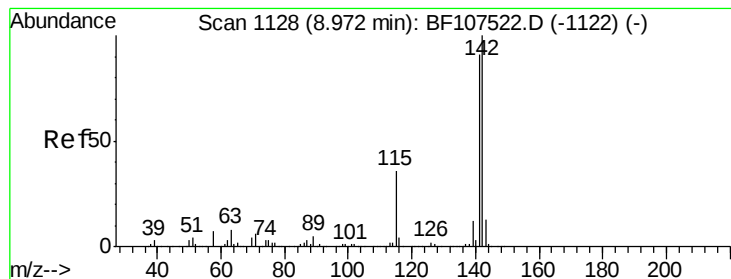
Tgt Ion:122 Resp: 3188
Ion Ratio Lower Upper
122 100
105 414.5 101.1 141.1#
77 557.4 70.7 110.7#



#35
Caprolactam
Concen: 5.495 ng
RT: 8.70 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion:113 Resp: 20780
Ion Ratio Lower Upper
113 100
55 1017.8 163.3 203.3#
56 471.1 115.7 155.7#





#37

2-Methylnaphthalene

Concen: 12.803 ng

RT: 9.07 min Scan# 1145

Delta R.T. 0.10 min

Lab File: BF107626.D

Acq: 24 Jul 2018 18:31

Instrument :

BNA_F

ClientSampleId :

GS-RO-338-RO-147-RO-278

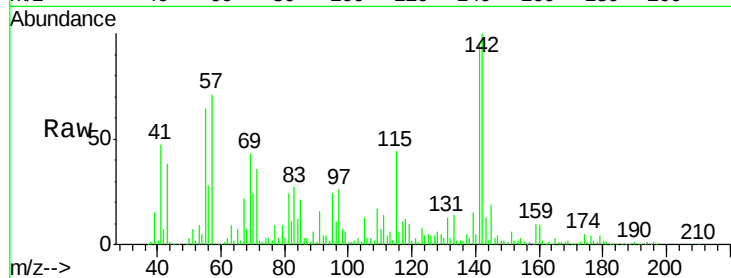
Tgt Ion:142 Resp: 327147

Ion Ratio Lower Upper

142 100

141 95.0 70.8 106.2

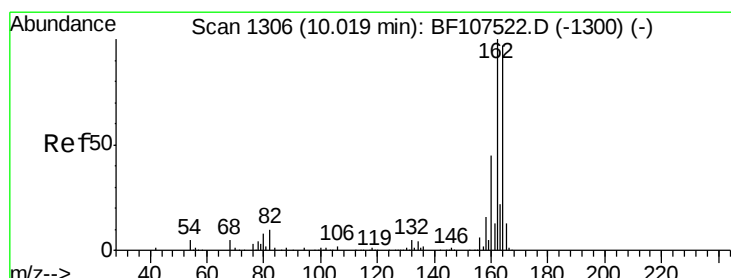
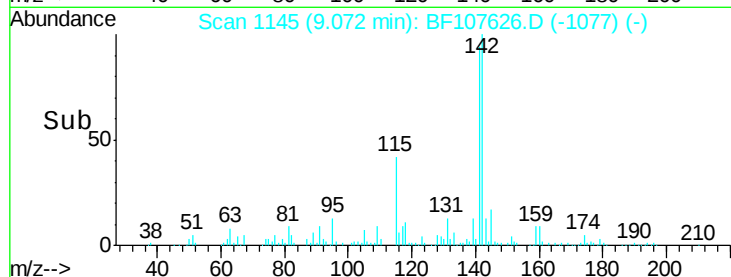
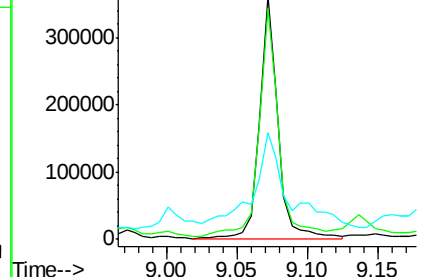
115 44.0 26.1 39.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF107626.D

Acq: 24 Jul 2018 18:31

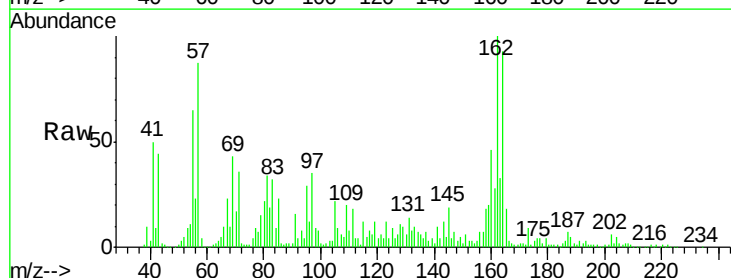
Tgt Ion:164 Resp: 303770

Ion Ratio Lower Upper

164 100

162 107.0 86.1 129.1

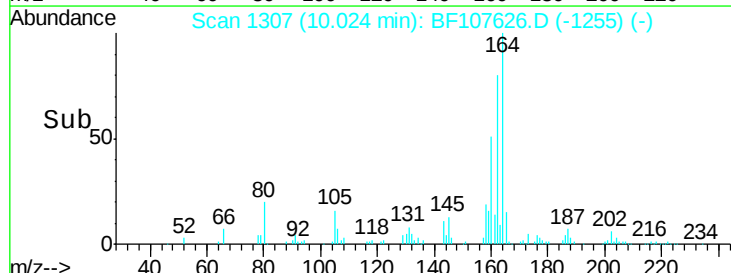
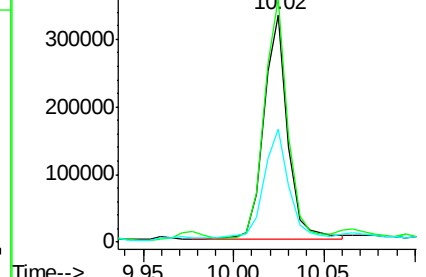
160 49.7 38.3 57.5

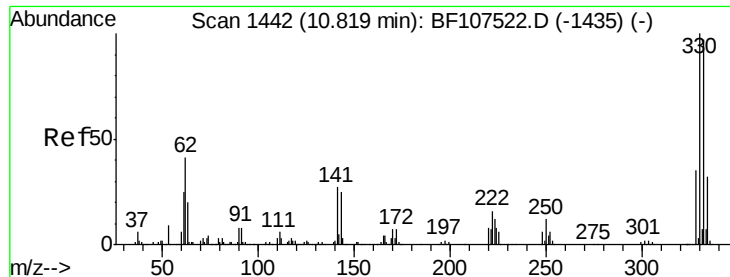


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

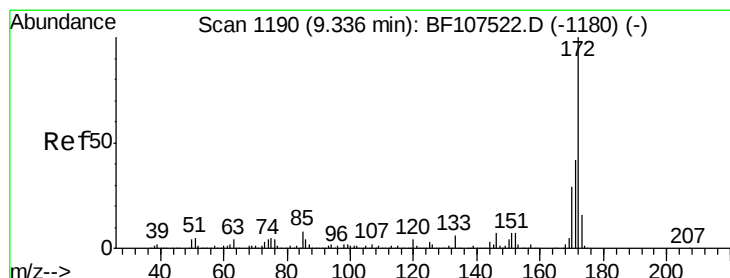
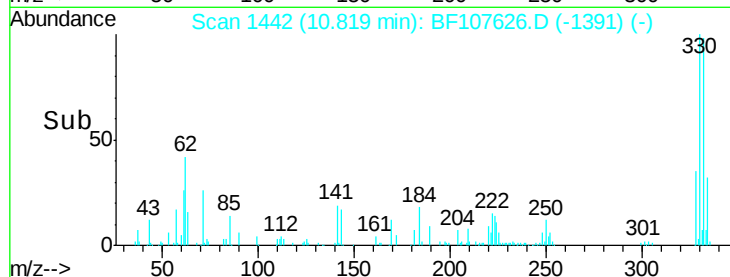
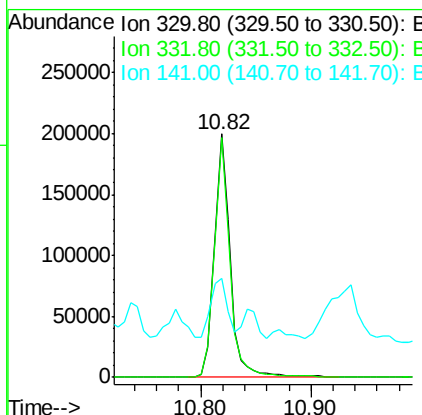
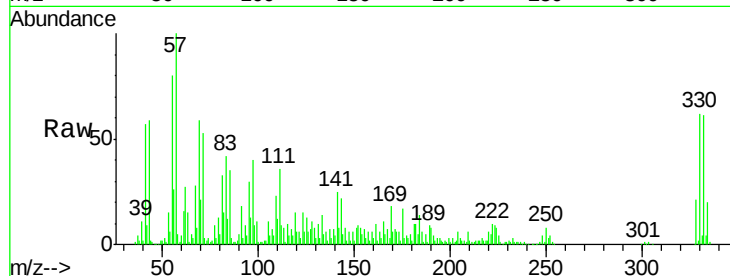




#41
 2,4,6-Tribromophenol
 Concen: 57.470 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF107626.D
 Acq: 24 Jul 2018 18:31

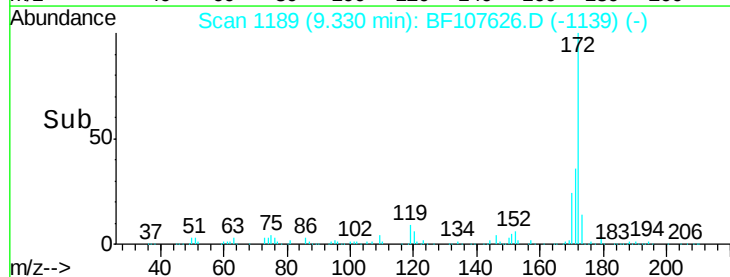
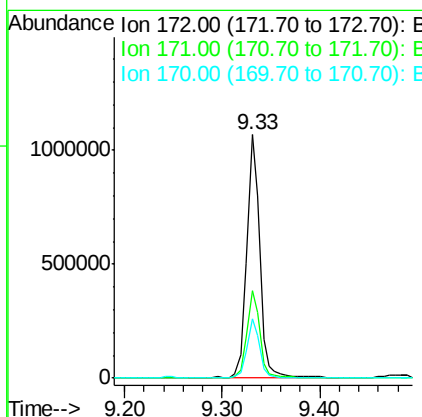
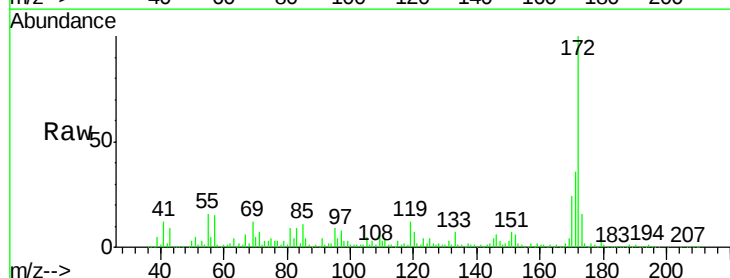
Instrument :
 BNA_F
 ClientSampleId :
 GS-RO-338-RO-147-RO-278

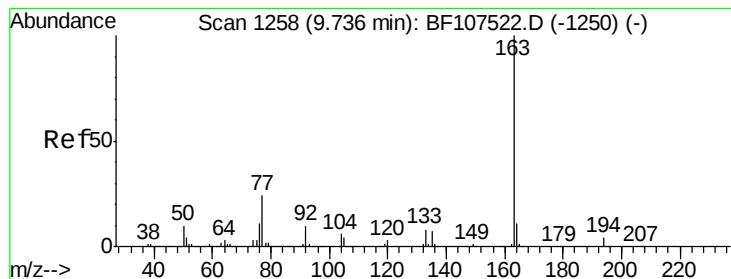
Tgt Ion:330 Resp: 198520
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 23.6 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 49.862 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107626.D
 Acq: 24 Jul 2018 18:31

Tgt Ion:172 Resp: 1000498
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.3 19.6 29.4





#49

Dimethylphthalate

Concen: 4.361 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107626.D

Acq: 24 Jul 2018 18:31

Instrument :

BNA_F

ClientSampleId :

GS-RO-338-RO-147-RO-278

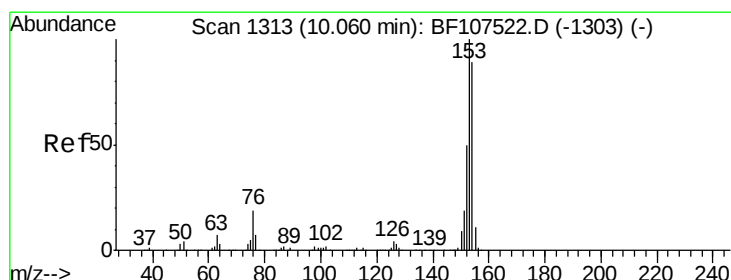
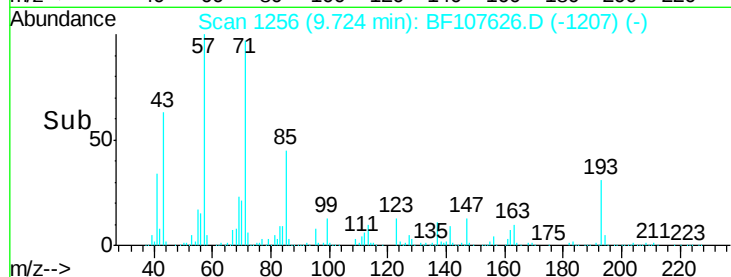
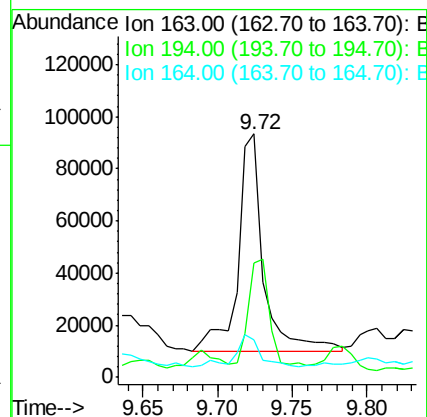
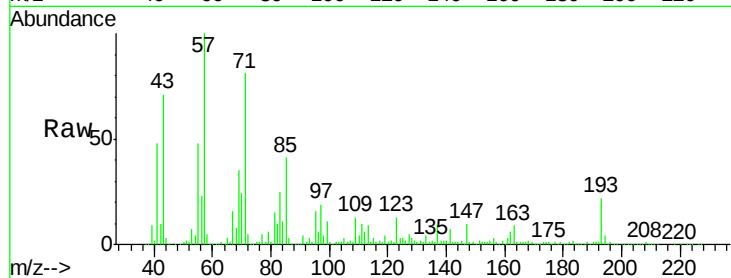
Tgt Ion:163 Resp: 99849

Ion Ratio Lower Upper

163 100

194 46.9 2.7 4.1#

164 15.5 8.2 12.2#



#51

Acenaphthene

Concen: 2.377 ng

RT: 10.18 min Scan# 1333

Delta R.T. 0.12 min

Lab File: BF107626.D

Acq: 24 Jul 2018 18:31

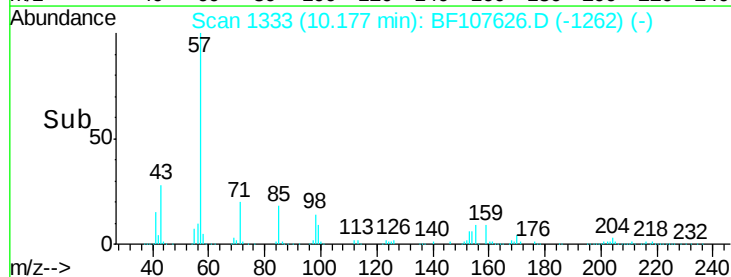
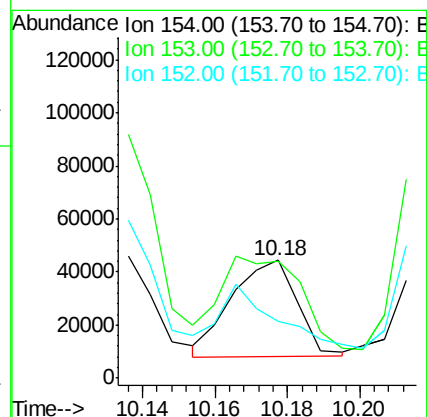
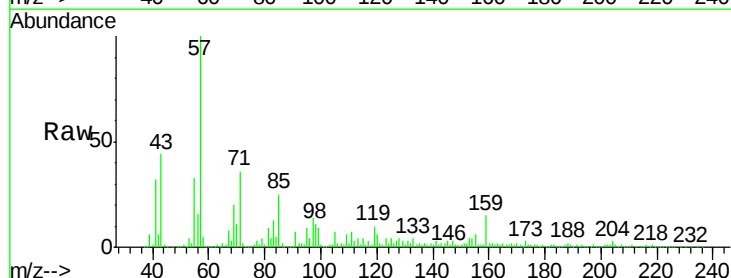
Tgt Ion:154 Resp: 45252

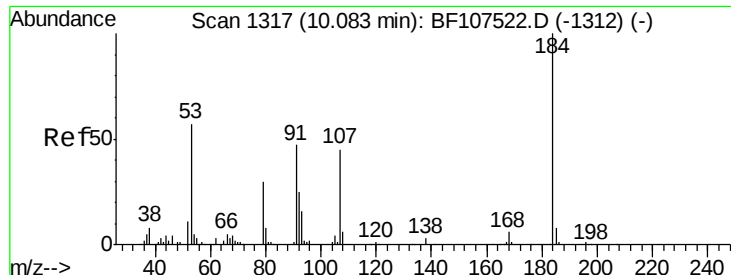
Ion Ratio Lower Upper

154 100

153 99.7 91.2 136.8

152 48.4 43.8 65.8

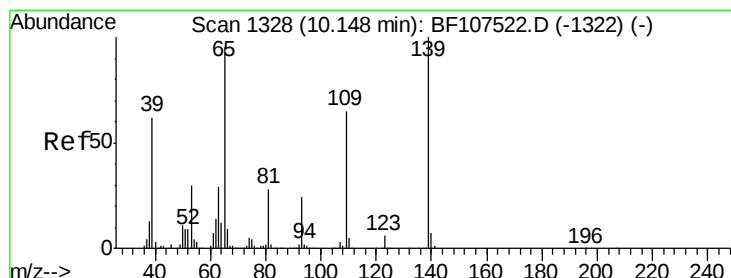
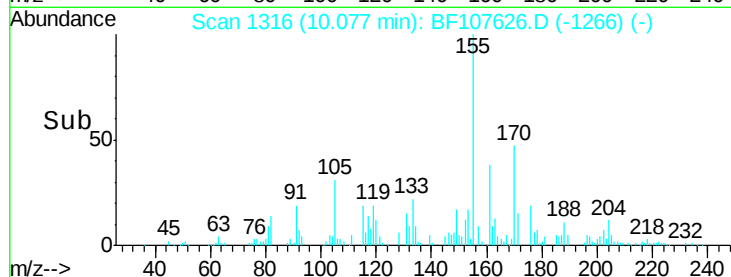
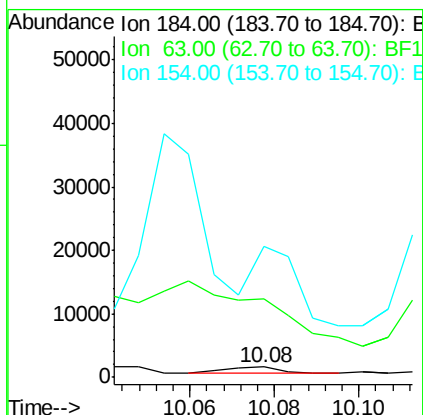
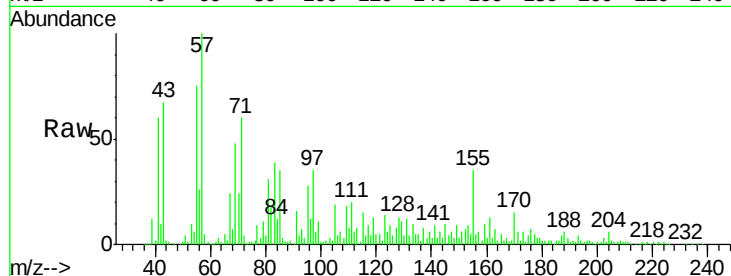




#53
2,4-Dinitrophenol
Concen: 8.816 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

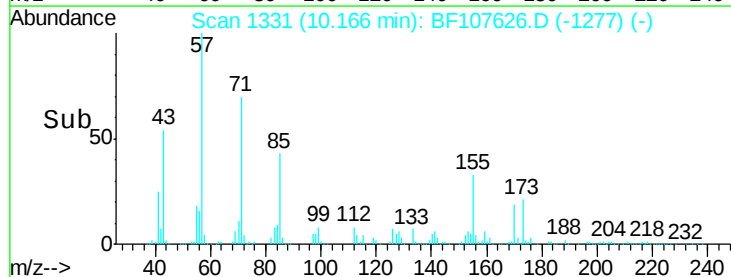
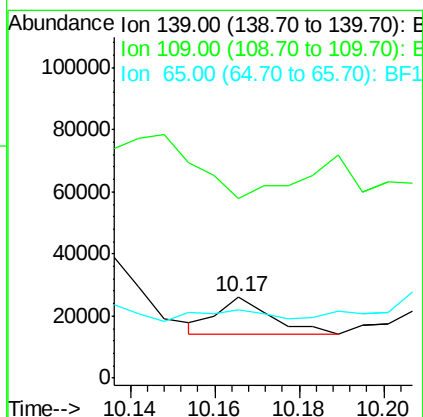
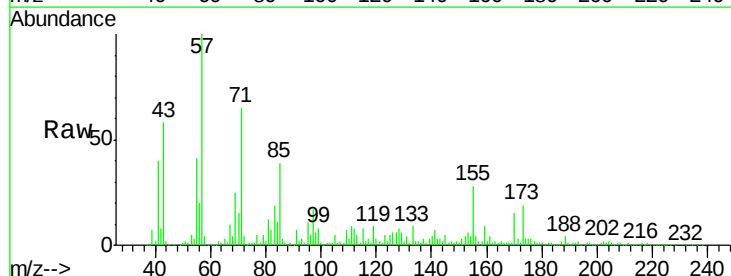
Instrument :
BNA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

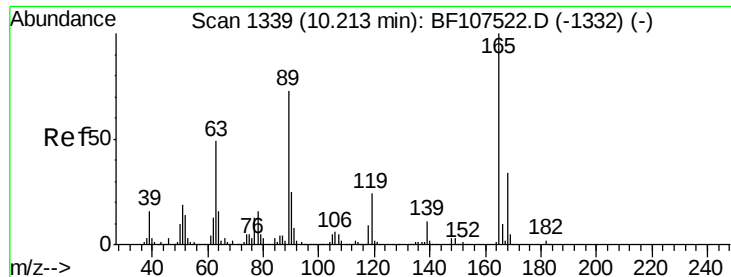
Tgt Ion:184 Resp: 831
Ion Ratio Lower Upper
184 100
63 782.6 54.2 81.2#
154 1298.6 184.0 276.0#



#55
4-Nitrophenol
Concen: 2.446 ng
RT: 10.17 min Scan# 1331
Delta R.T. 0.02 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion:139 Resp: 10128
Ion Ratio Lower Upper
139 100
109 220.4 48.4 88.4#
65 84.5 72.6 112.6

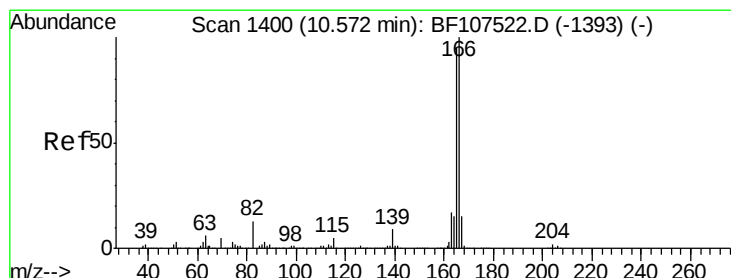
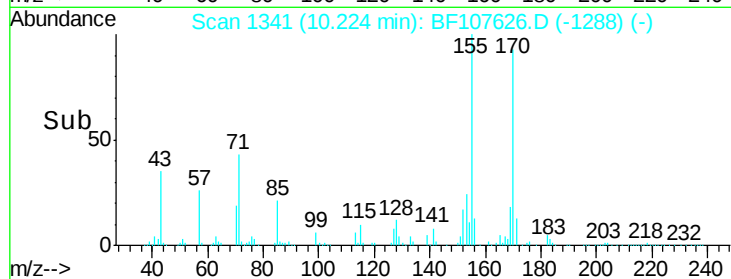
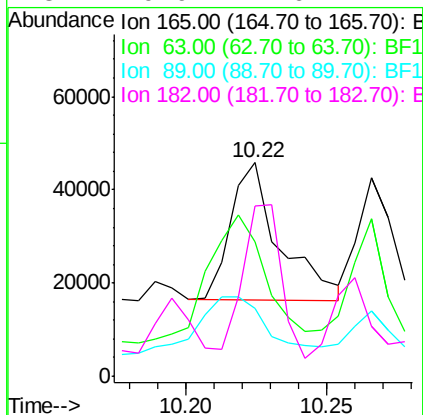
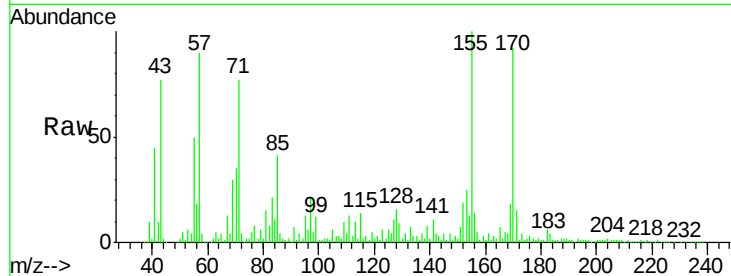




#56
2,4-Dinitrotoluene
Concen: 6.491 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

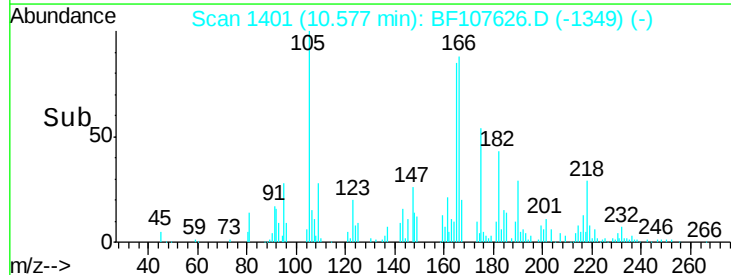
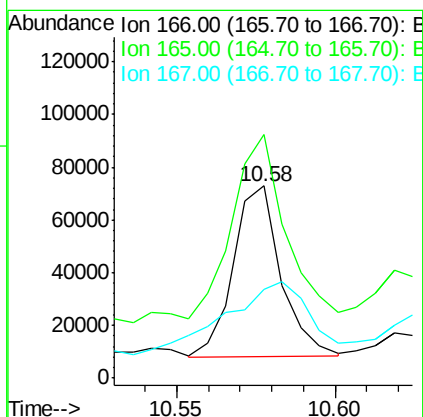
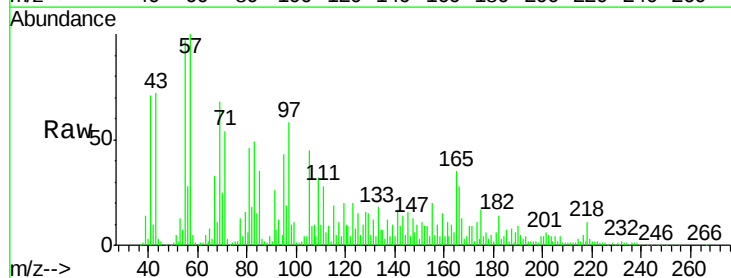
Instrument :
BNA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

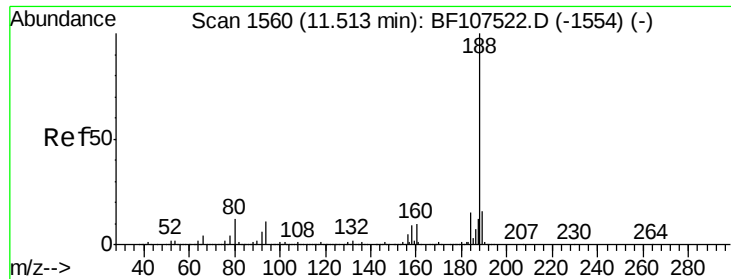
Tgt Ion:165 Resp: 35616
Ion Ratio Lower Upper
165 100
63 63.2 36.4 54.6#
89 31.7 57.8 86.6#
182 79.9 1.6 2.4#



#57
Fluorene
Concen: 3.369 ng
RT: 10.58 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion:166 Resp: 67366
Ion Ratio Lower Upper
166 100
165 126.8 79.8 119.8#
167 46.0 10.6 16.0#

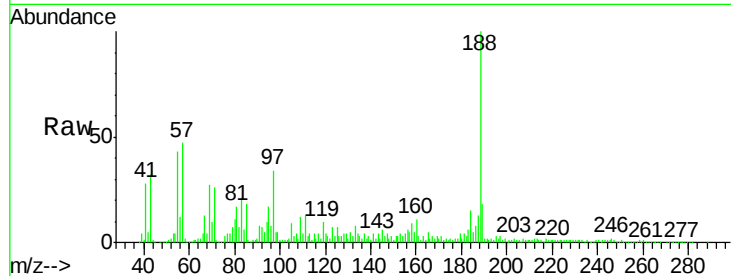




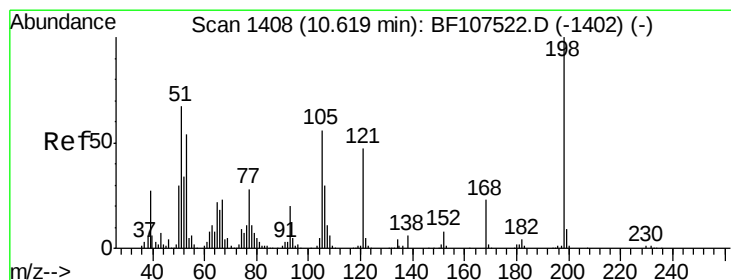
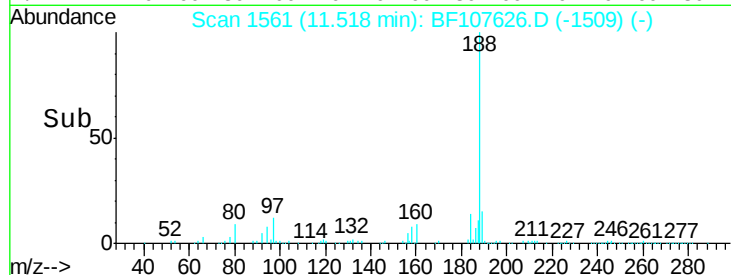
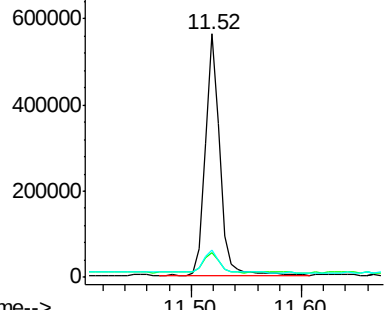
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Instrument :
BNA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

Tgt Ion:188 Resp: 517559
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.5 9.2 13.8

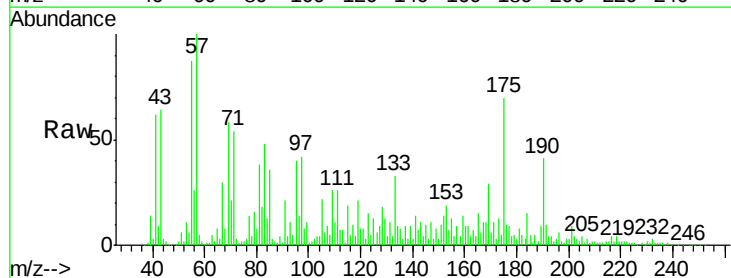


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

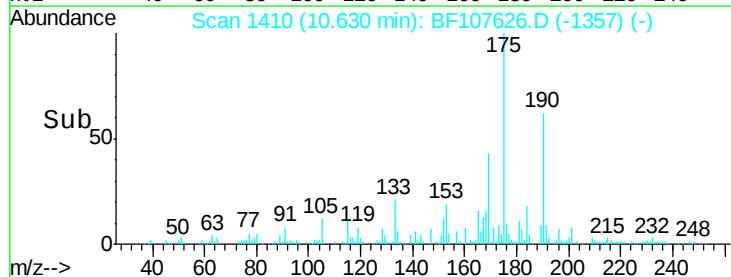
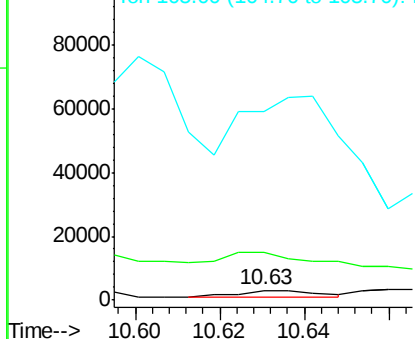


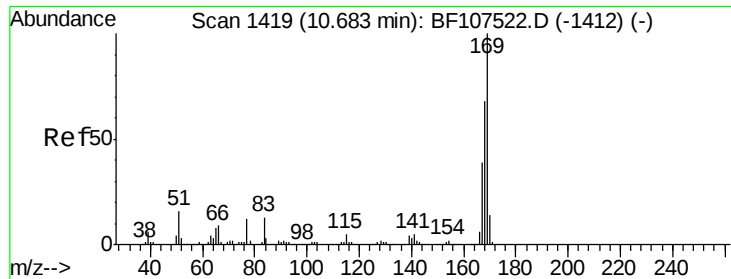
#64
4,6-Dinitro-2-methylphenol
Concen: 9.477 ng
RT: 10.63 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion:198 Resp: 2428
Ion Ratio Lower Upper
198 100
51 498.7 37.7 77.7#
105 1961.8 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

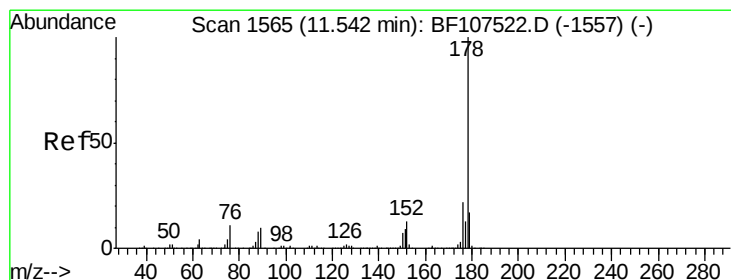
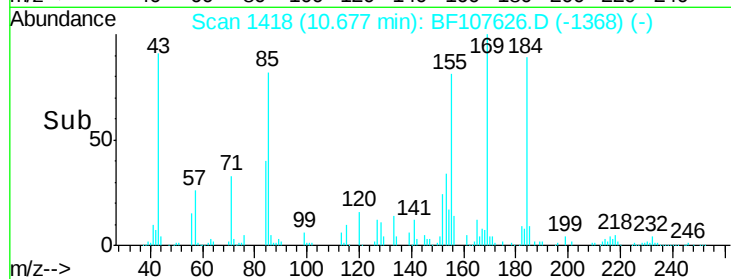
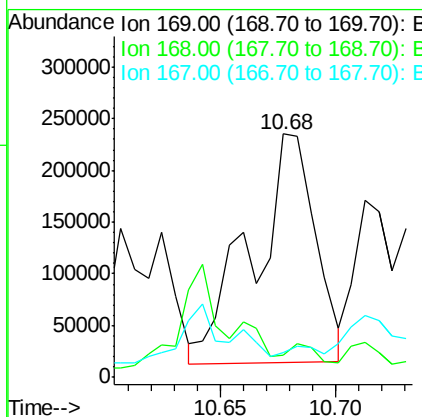
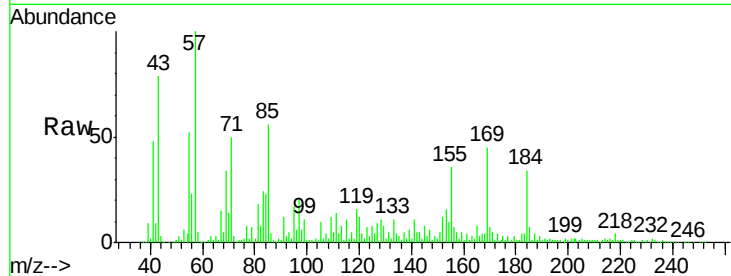




#65
 n-Nitrosodiphenylamine
 Concen: 23.790 ng
 RT: 10.68 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF107626.D
 Acq: 24 Jul 2018 18:31

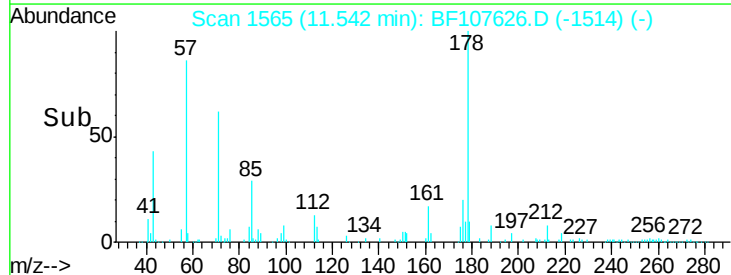
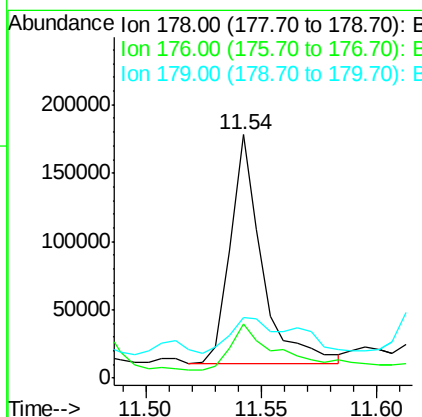
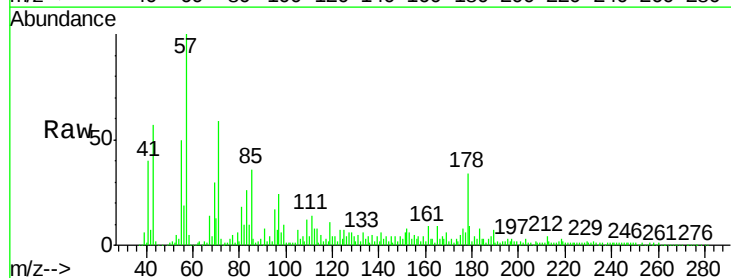
Instrument :
 BNA_F
 ClientSampleId :
 GS-RO-338-RO-147-RO-278

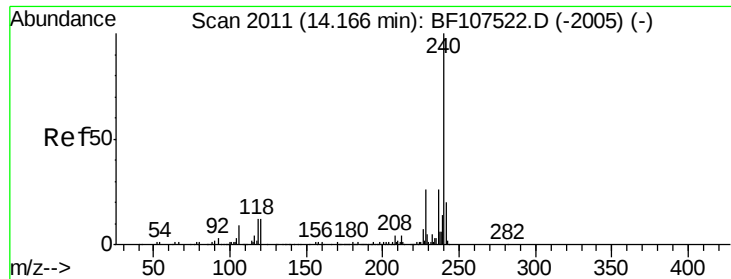
Tgt Ion:169 Resp: 418162
 Ion Ratio Lower Upper
 169 100
 168 8.9 54.4 81.6#
 167 9.9 29.8 44.6#



#70
 Phenanthrene
 Concen: 6.257 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF107626.D
 Acq: 24 Jul 2018 18:31

Tgt Ion:178 Resp: 157809
 Ion Ratio Lower Upper
 178 100
 176 22.2 15.8 23.8
 179 25.1 13.0 19.6#

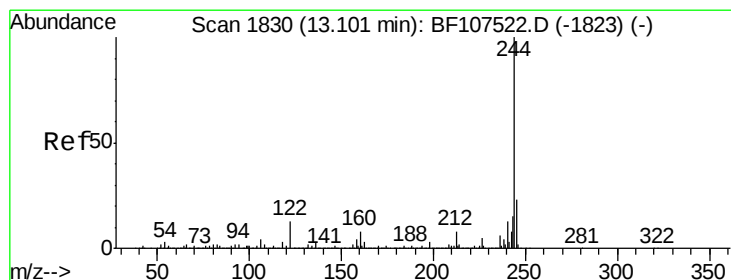
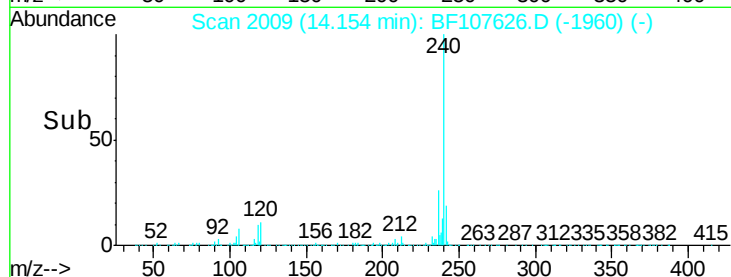
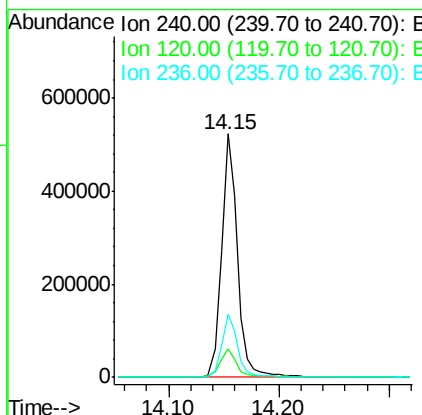
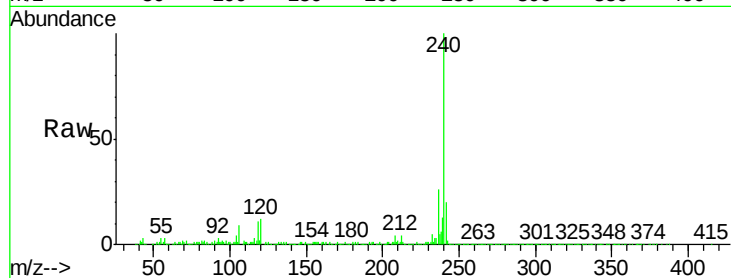




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

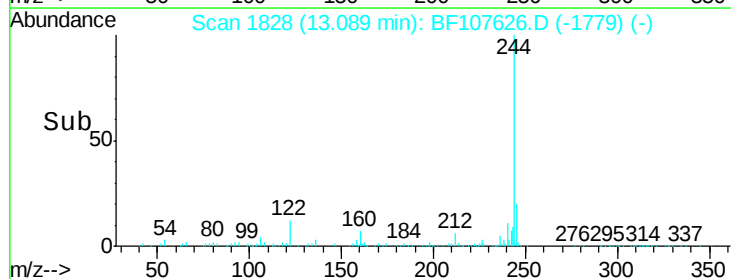
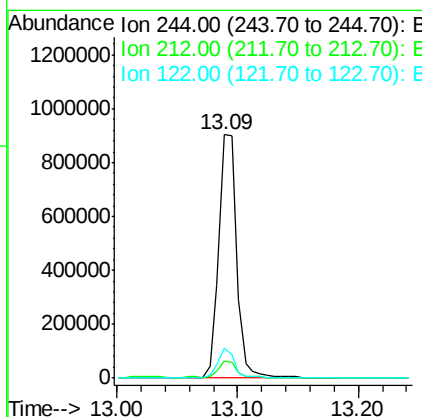
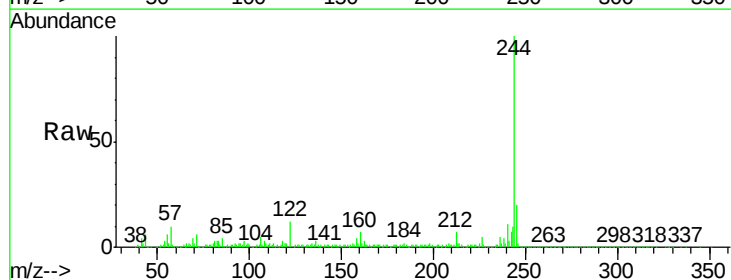
Instrument :
BNA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

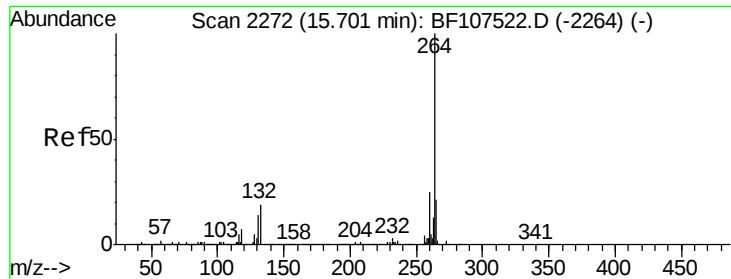
Tgt Ion:240 Resp: 521901
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 25.7 20.7 31.1



#78
Terphenyl-d14
Concen: 45.433 ng
RT: 13.09 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Tgt Ion:244 Resp: 926201
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 12.1 11.0 16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107626.D
Acq: 24 Jul 2018 18:31

Instrument :
BNA_F
ClientSampleId :
GS-RO-338-RO-147-RO-278

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.3	17.5	26.3

