

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107548.D
 Acq On : 21 Jul 2018 2:16
 Operator : JU/SJ
 Sample : J3828-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-071818-B

Quant Time: Jul 21 04:56:24 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	320746	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1189859	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	436227	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	790859	20.00	ng	0.00
75) Chrysene-d12	14.16	240	727300	20.00	ng	0.00
86) Perylene-d12	15.70	264	519623	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	993019	49.78	ng	0.00
7) Phenol-d6	6.60	99	1236872	51.64	ng	-0.01
23) Nitrobenzene-d5	7.54	82	703492	39.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	247444	49.88	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1208355	40.16	ng	0.00
78) Terphenyl-d14	13.09	244	1109418	39.05	ng	0.00

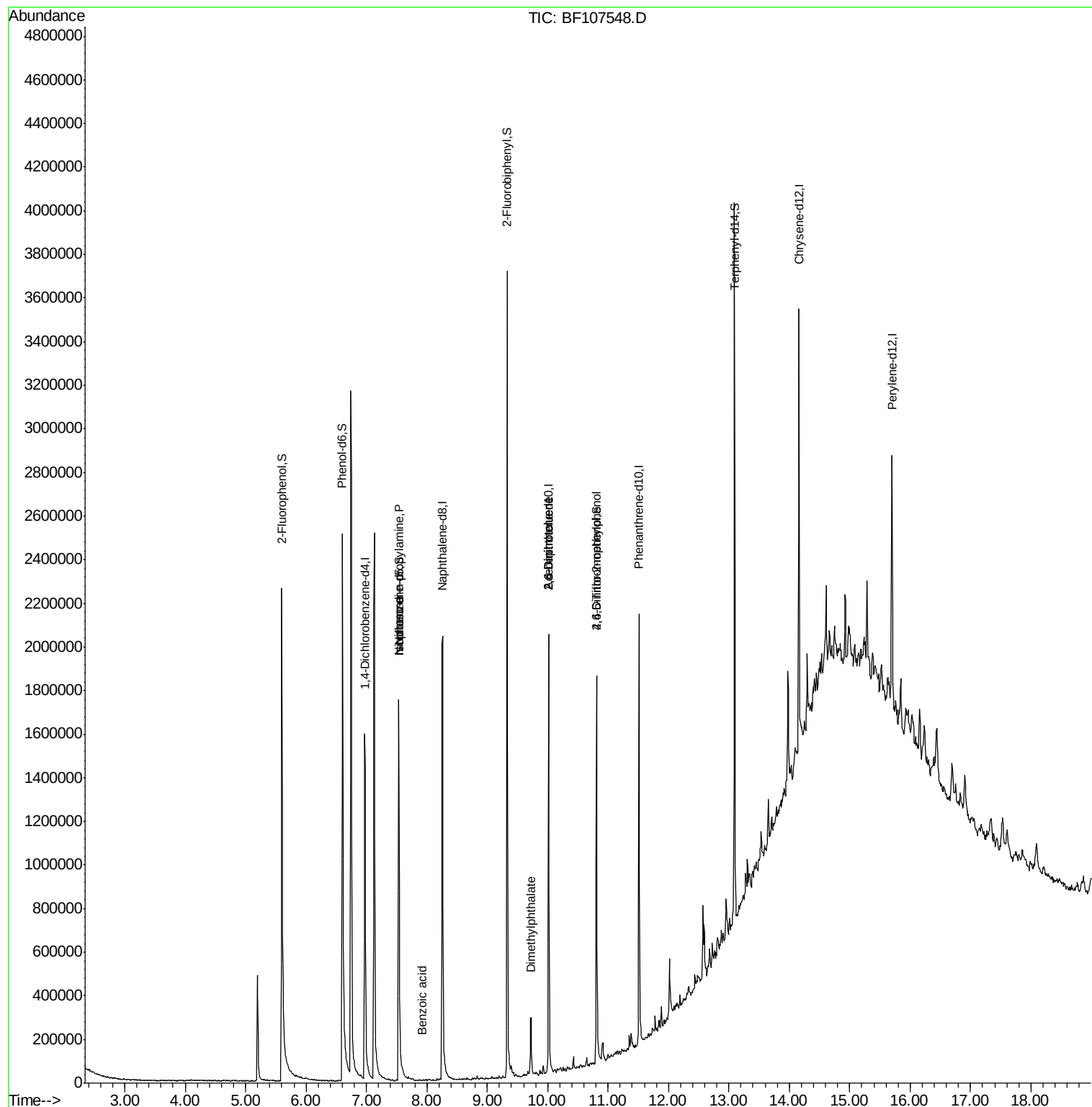
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	2433	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	92342	5.967 ng	#	84
25) Isophorone	7.54	82	703488	18.688 ng	#	64
32) Benzoic acid	7.92	122	112	7.908 ng	#	1
49) Dimethylphthalate	9.72	163	124140	3.776 ng		99
50) 2,6-Dinitrotoluene	10.01	165	56948	8.724 ng	#	25
56) 2,4-Dinitrotoluene	10.01	165	56948	7.228 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.81	198	570	8.803 ng	#	1
73) Di-n-butylphthalate	12.05	149	1953	Below Cal	#	52
81) 3,3'-Dichlorobenzidine	14.12	252	2120	Below Cal	#	69

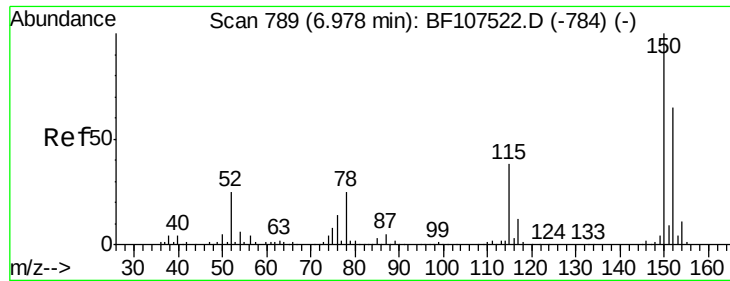
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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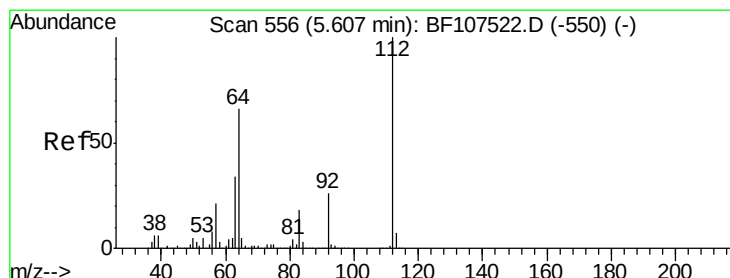
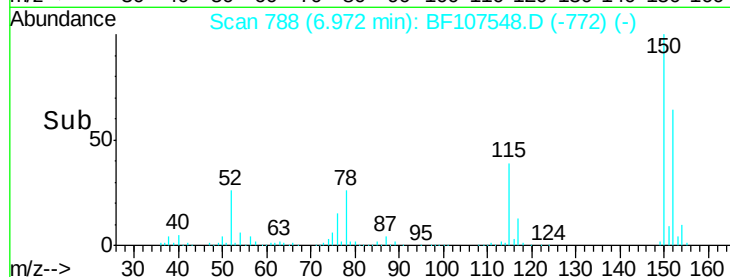
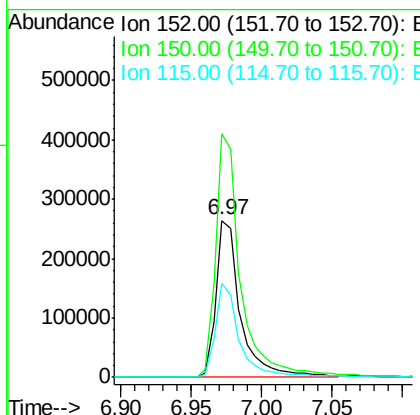
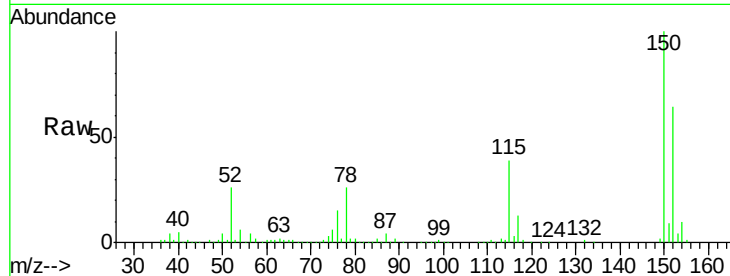




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF107548.D
 Acq: 21 Jul 2018 2:16

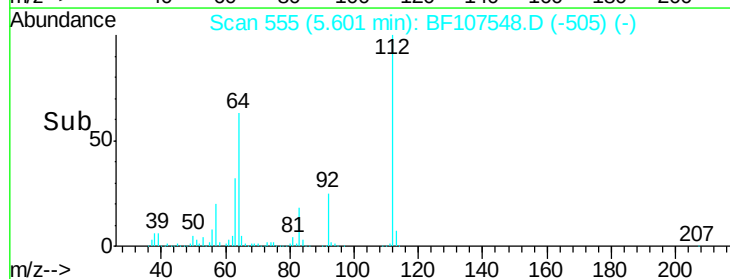
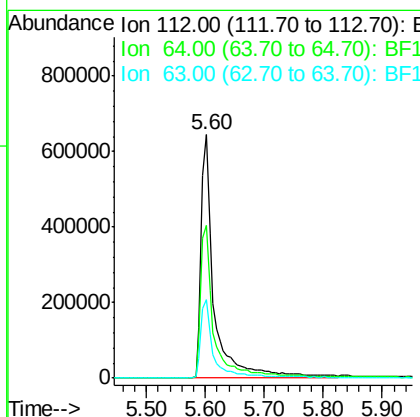
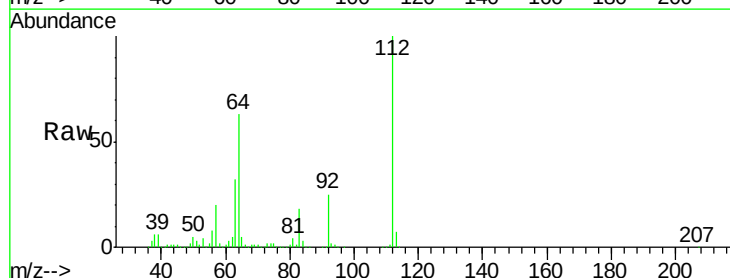
Instrument :
 BNA_F
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 EO-02-071818-B

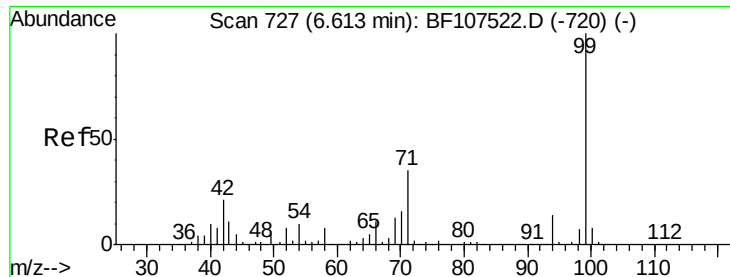
Tgt Ion:152 Resp: 320746
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.6 186.8
 115 60.0 50.1 75.1



#5
 2-Fluorophenol
 Concen: 49.777 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107548.D
 Acq: 21 Jul 2018 2:16

Tgt Ion:112 Resp: 993019
 Ion Ratio Lower Upper
 112 100
 64 63.0 47.9 71.9
 63 32.0 23.7 35.5





#7

Phenol-d6

Concen: 51.636 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA_F

ClientSampleId :

EO-02-071818-B

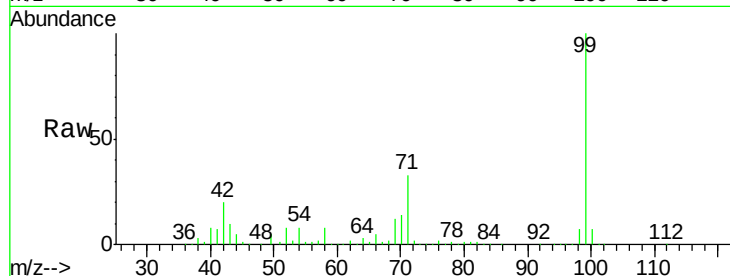
Tgt Ion: 99 Resp: 1236872

Ion Ratio Lower Upper

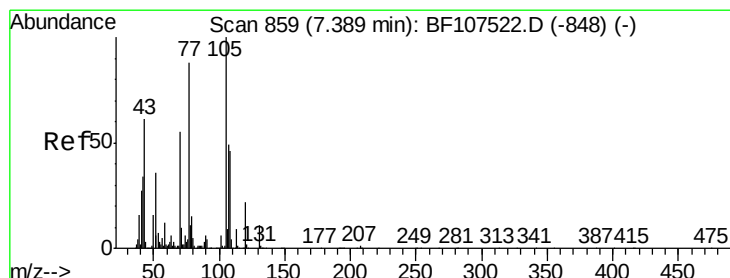
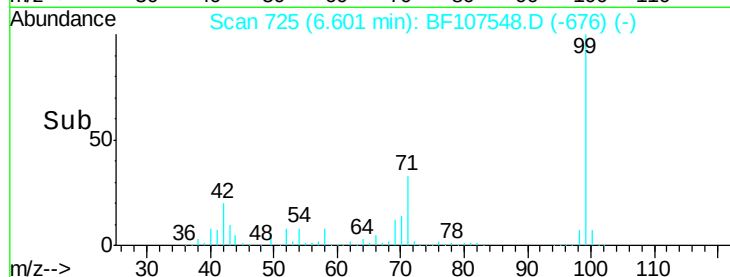
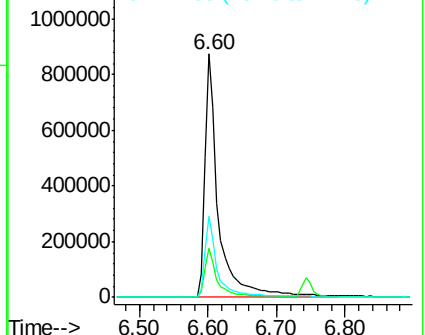
99 100

42 20.3 14.5 21.7

71 33.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.967 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Tgt Ion: 70 Resp: 92342

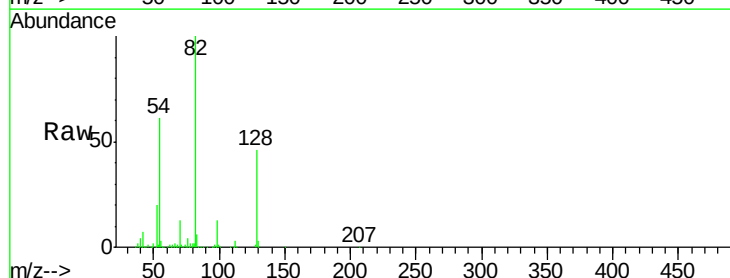
Ion Ratio Lower Upper

70 100

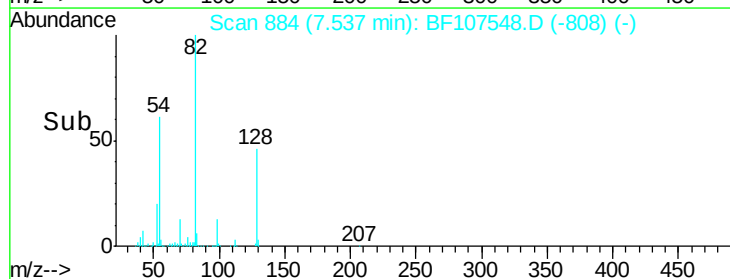
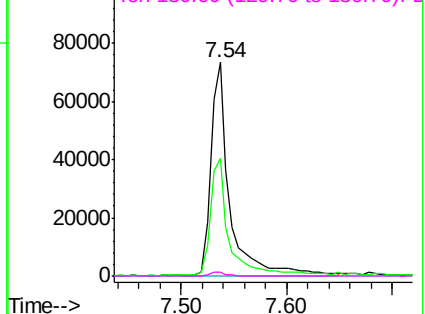
42 55.0 47.5 71.3

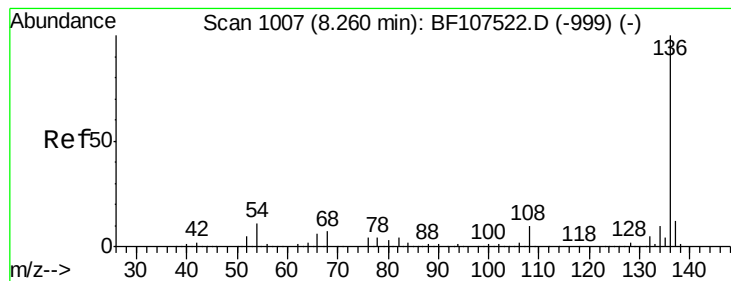
101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 1189859

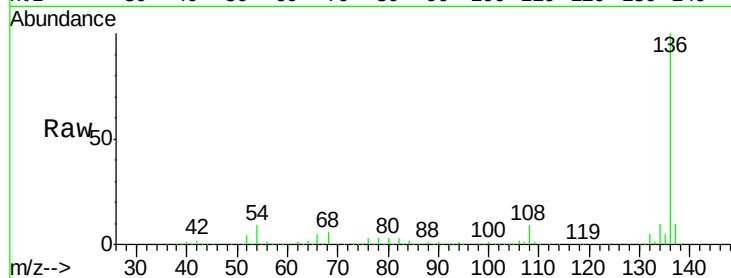
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 9.2 6.6 9.8

68 5.7 5.0 7.4

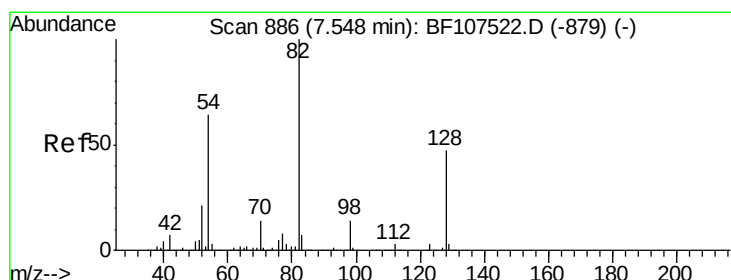
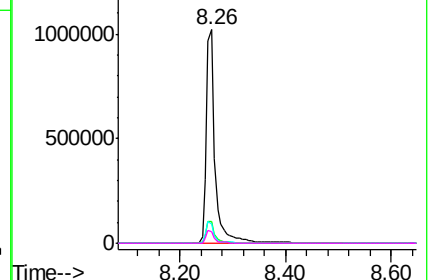
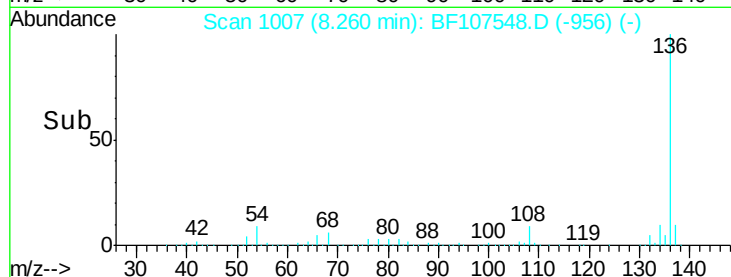


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.901 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

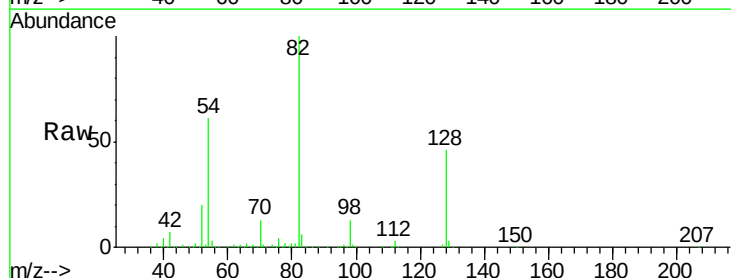
Tgt Ion: 82 Resp: 703492

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

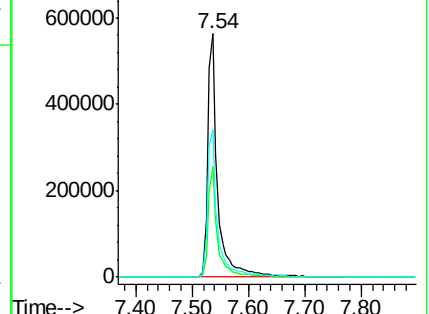
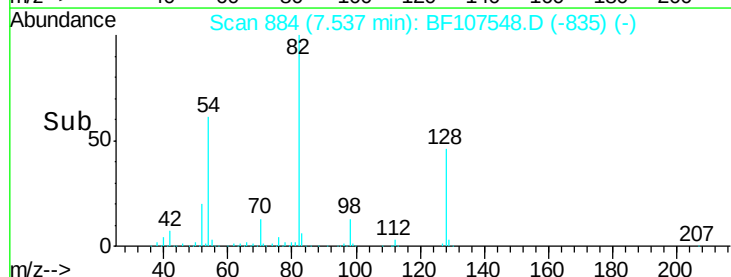
54 60.9 41.4 62.2

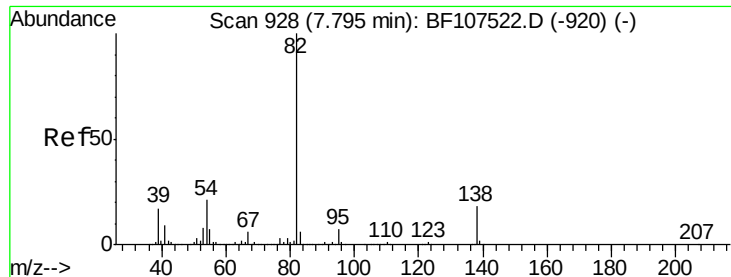


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.688 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA_F

ClientSampleId :

EO-02-071818-B

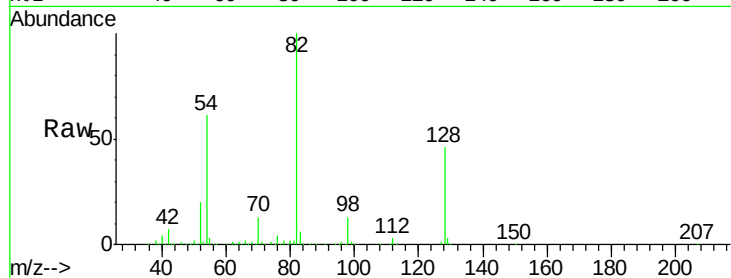
Tgt Ion: 82 Resp: 703488

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

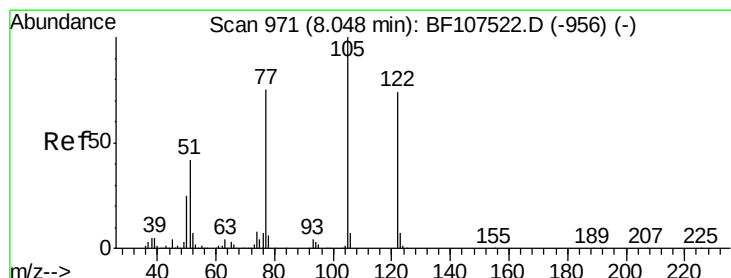
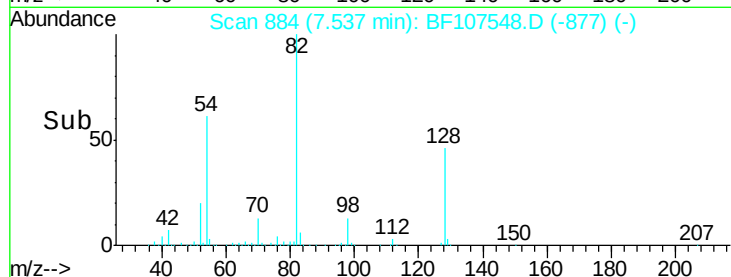
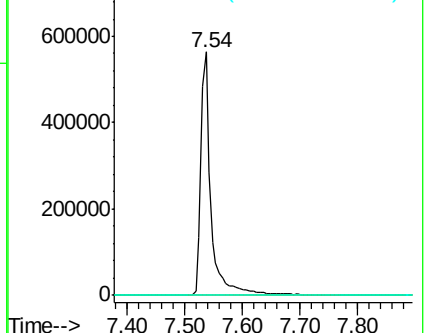
138 0.0 14.9 22.3#



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: 7.908 ng

RT: 7.92 min Scan# 950

Delta R.T. -0.12 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

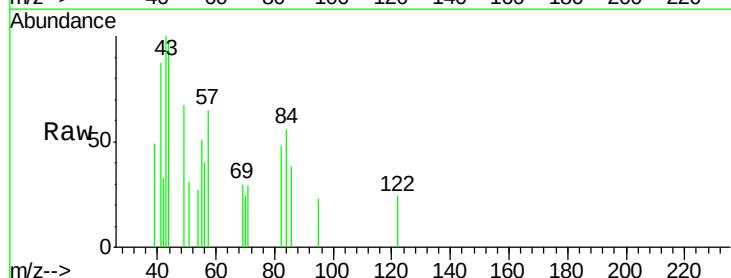
Tgt Ion: 122 Resp: 112

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

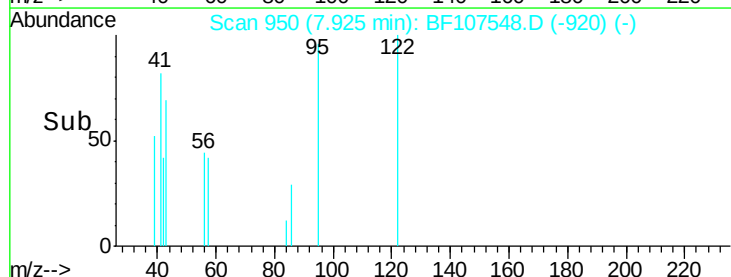
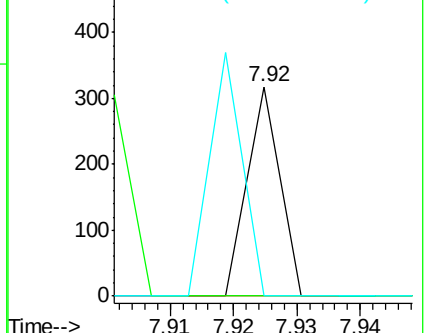
77 0.0 70.7 110.7#

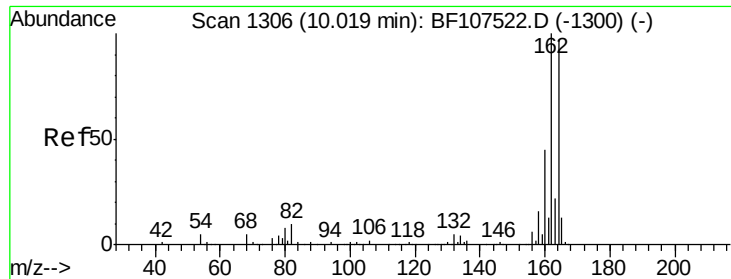


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

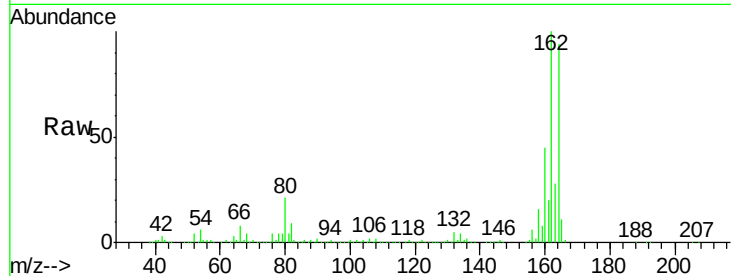




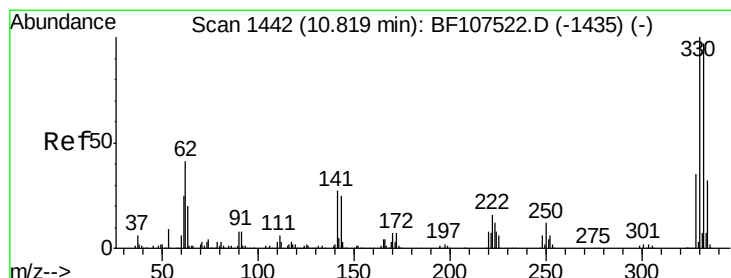
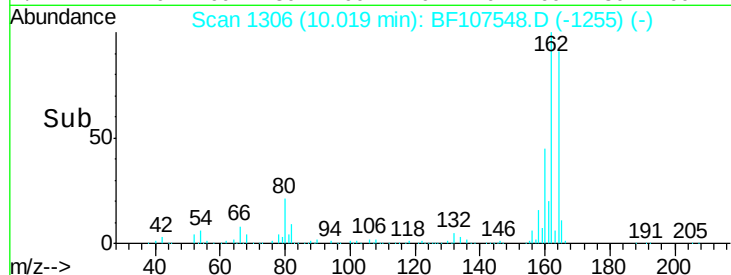
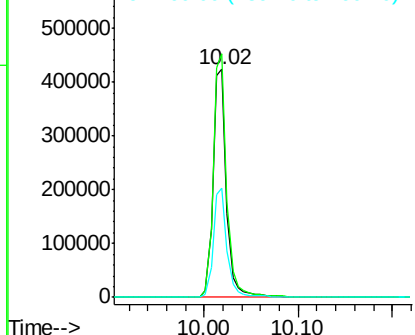
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF107548.D
Acq: 21 Jul 2018 2:16

Instrument :
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Tgt Ion:164 Resp: 436227
Ion Ratio Lower Upper
164 100
162 106.9 86.1 129.1
160 48.2 38.3 57.5

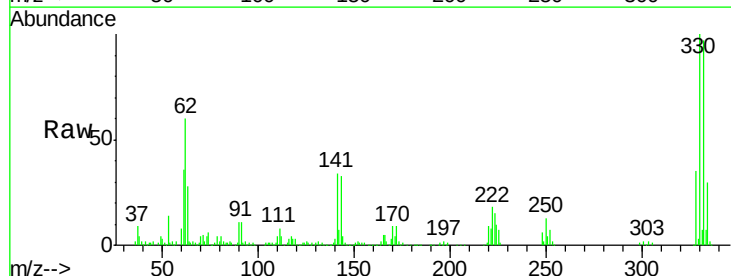


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

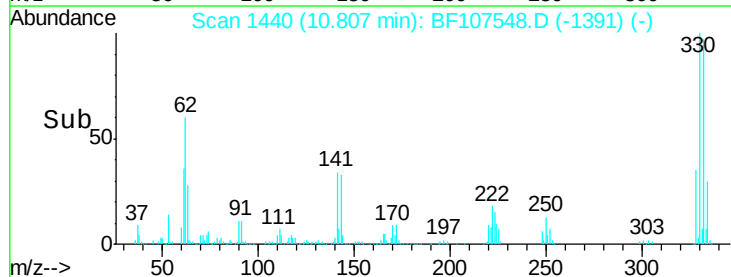
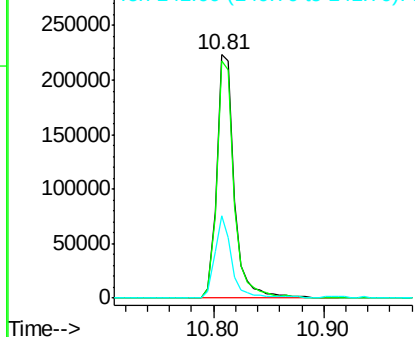


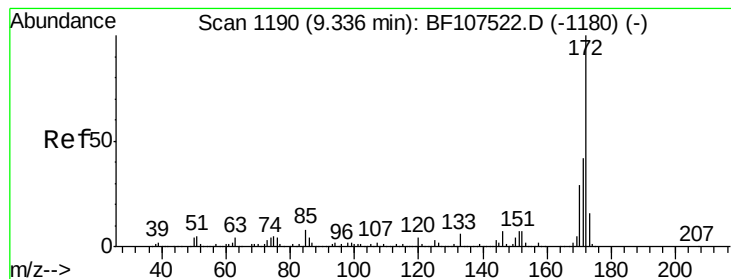
#41
2,4,6-Tribromophenol
Concen: 49.882 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF107548.D
Acq: 21 Jul 2018 2:16

Tgt Ion:330 Resp: 247444
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 31.6 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: 40.164 ng

RT: 9.33 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA_F

ClientSampleId :

EO-02-071818-B

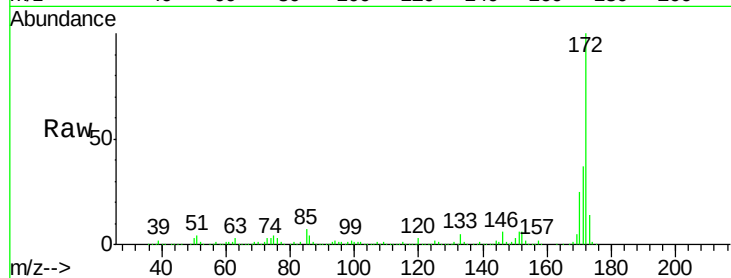
Tgt Ion:172 Resp: 1208355

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

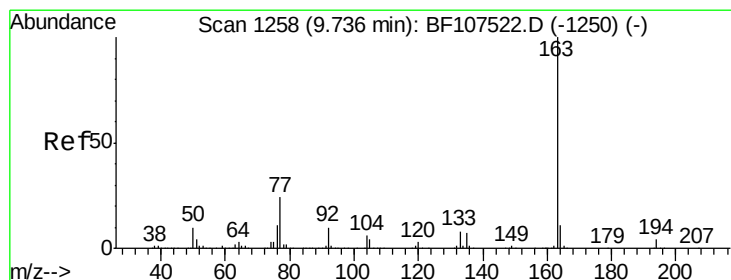
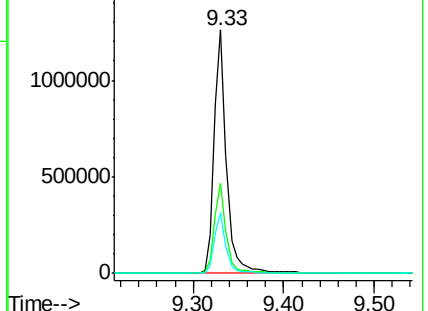
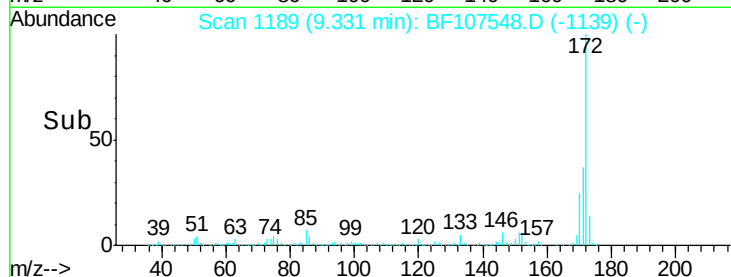
170 24.8 19.6 29.4



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: 3.776 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

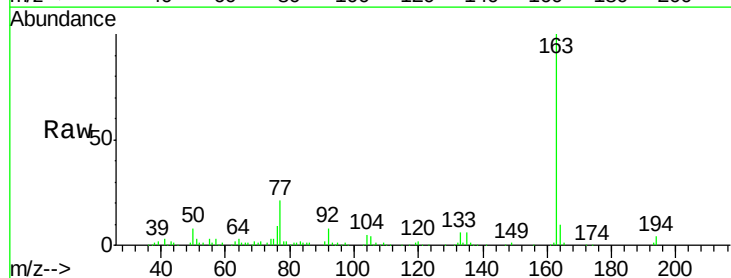
Tgt Ion:163 Resp: 124140

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

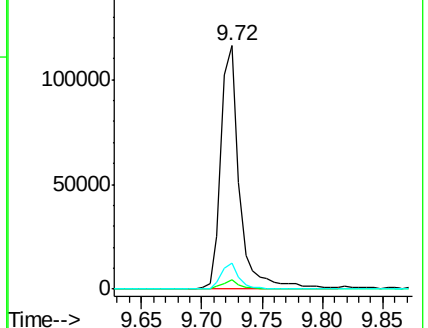
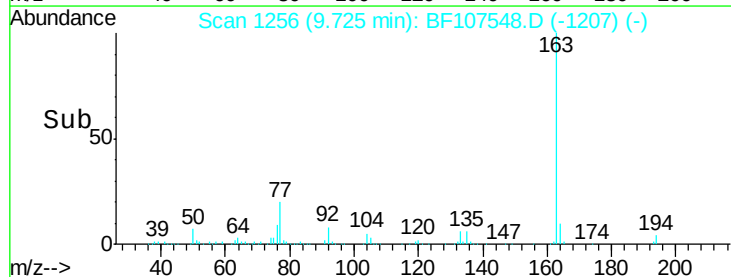
164 10.4 8.2 12.2

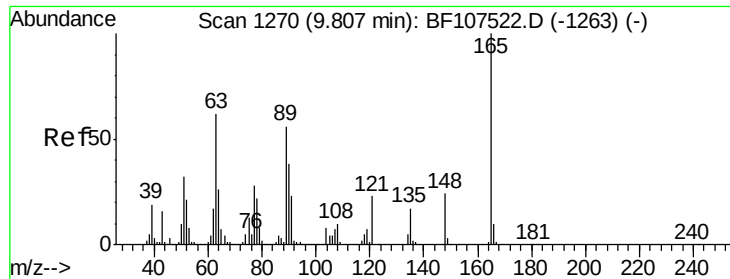


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

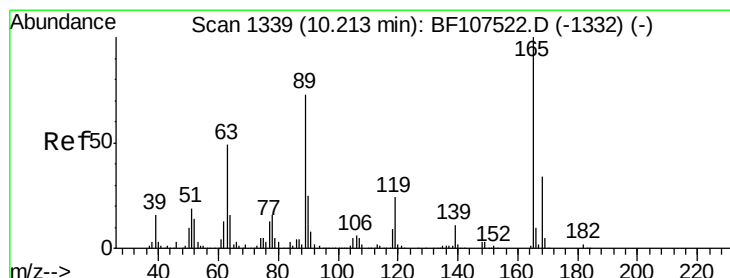
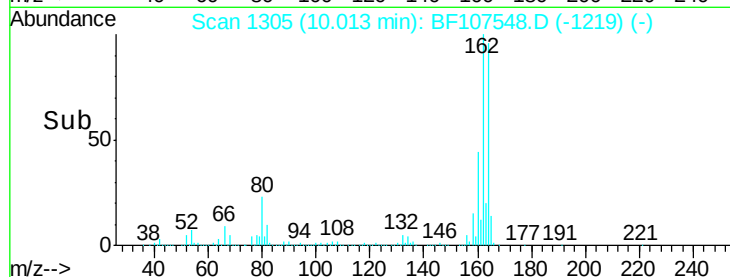
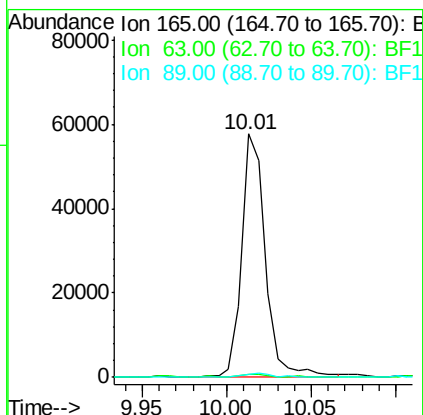
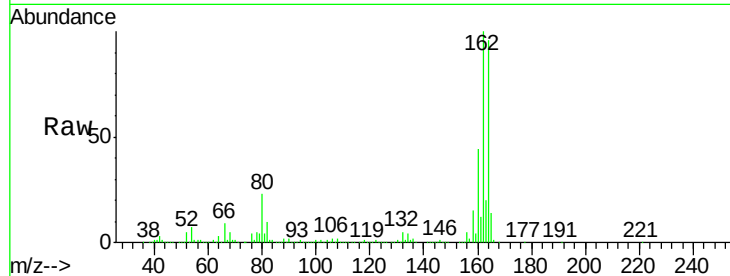




#50
2,6-Dinitrotoluene
Concen: 8.724 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF107548.D
Acq: 21 Jul 2018 2:16

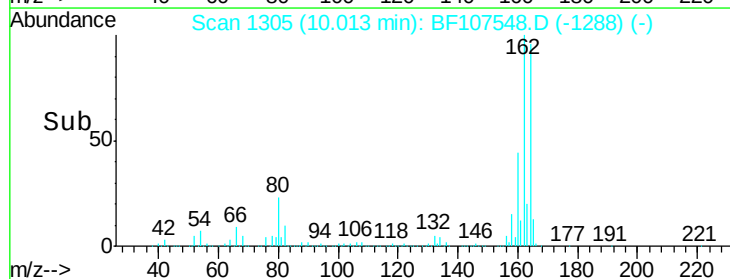
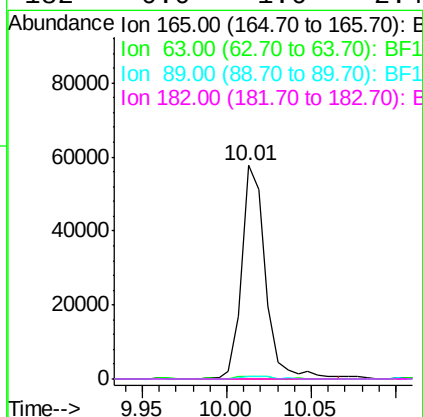
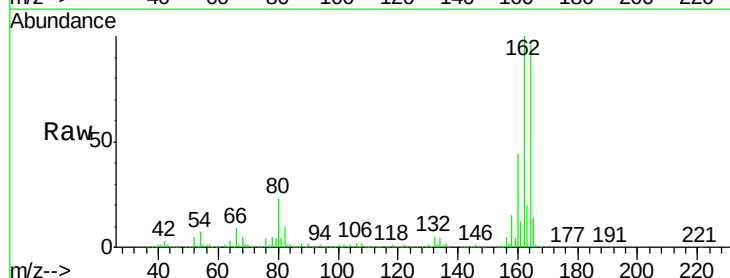
Instrument :
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ClientSampleId :
EO-02-071818-B

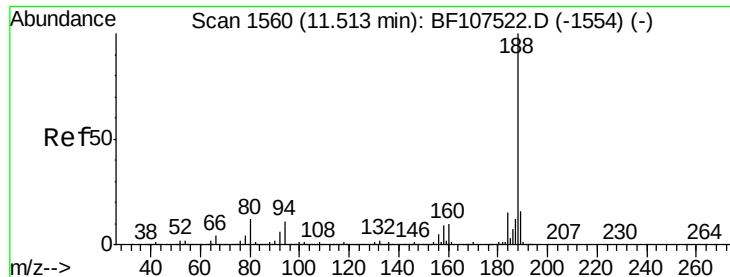
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.0	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 7.228 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107548.D
Acq: 21 Jul 2018 2:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

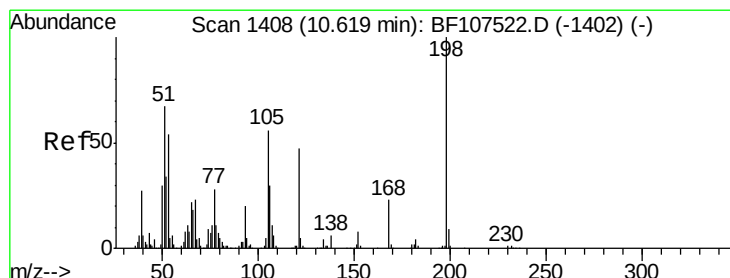
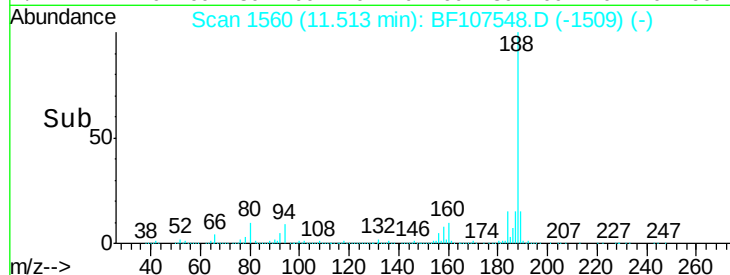
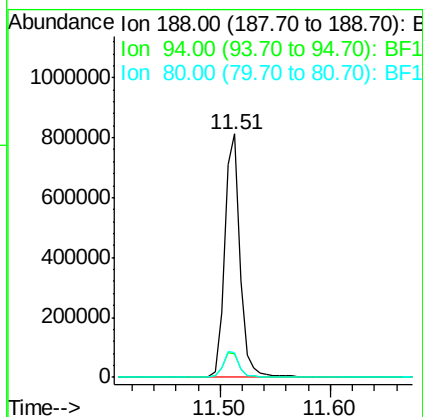
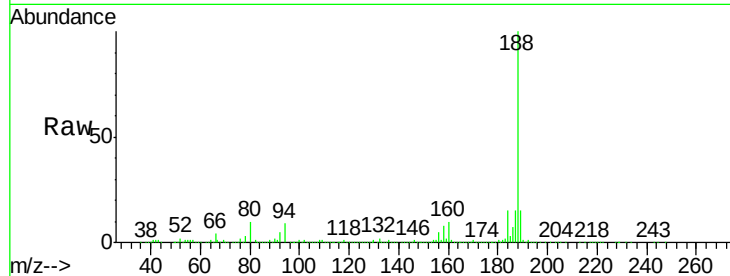




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107548.D
Acq: 21 Jul 2018 2:16

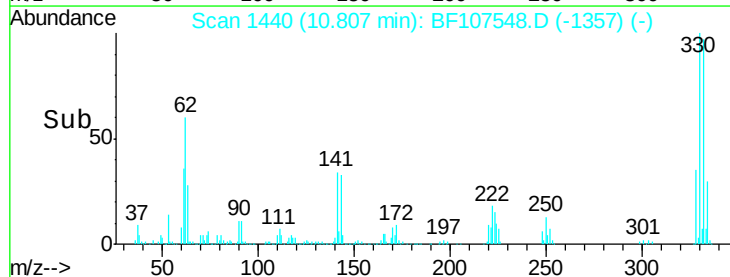
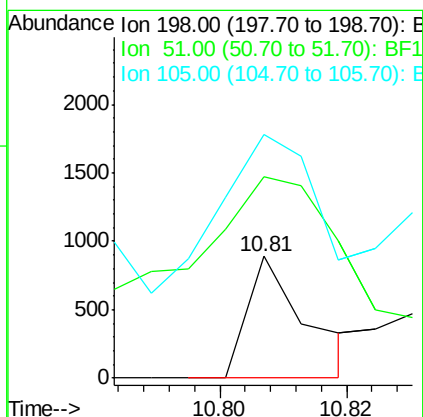
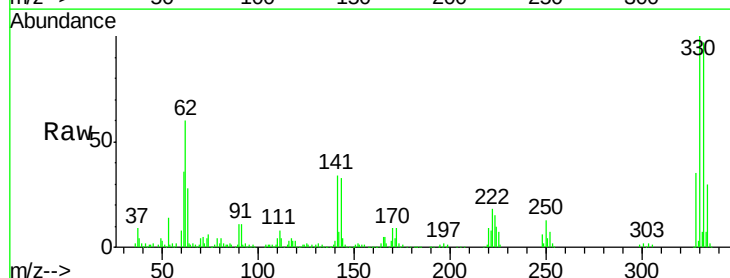
Instrument :
BNA_F
ClientSampleId :
EO-02-071818-B

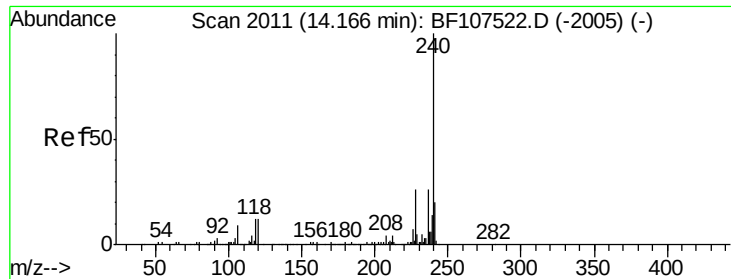
Tgt Ion:188 Resp: 790859
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.803 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.19 min
Lab File: BF107548.D
Acq: 21 Jul 2018 2:16

Tgt Ion:198 Resp: 570
Ion Ratio Lower Upper
198 100
51 165.5 37.7 77.7#
105 200.3 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA_F

ClientSampleId :

EO-02-071818-B

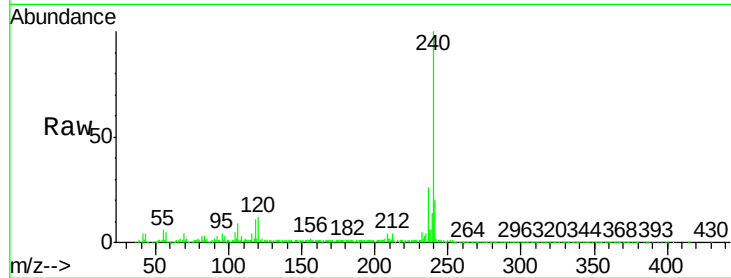
Tgt Ion:240 Resp: 727300

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

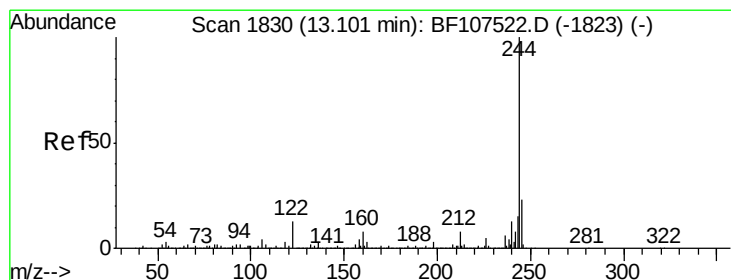
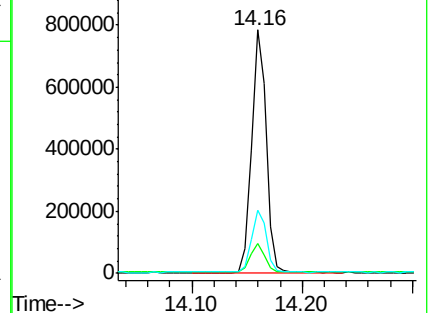
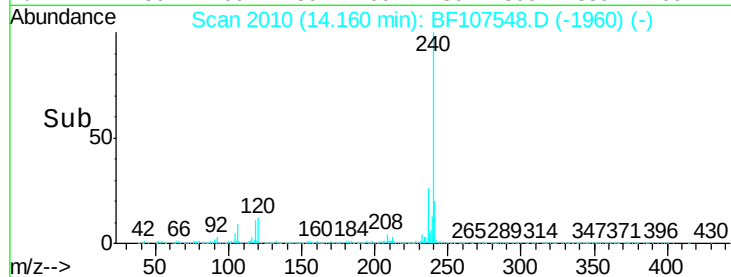
236 25.9 20.7 31.1



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



#78

Terphenyl-d14

Concen: 39.051 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

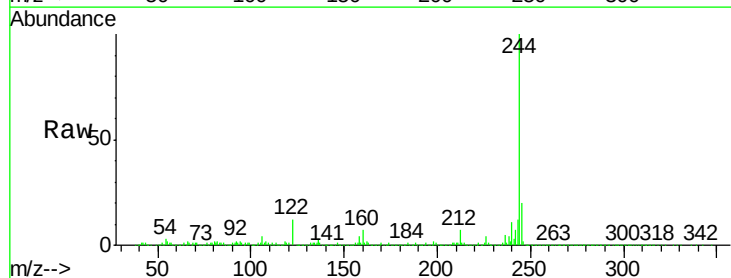
Tgt Ion:244 Resp: 1109418

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

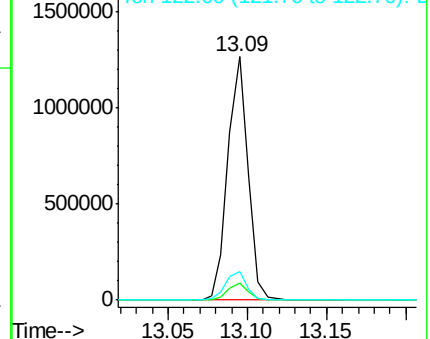
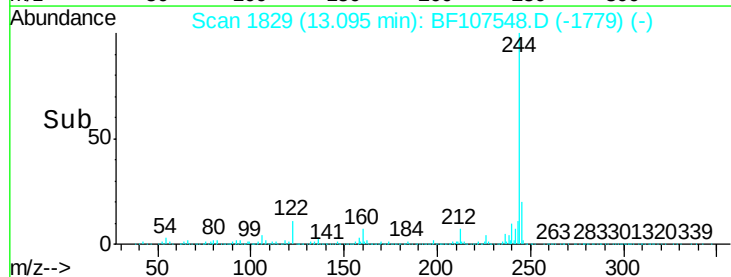
122 11.6 11.0 16.4

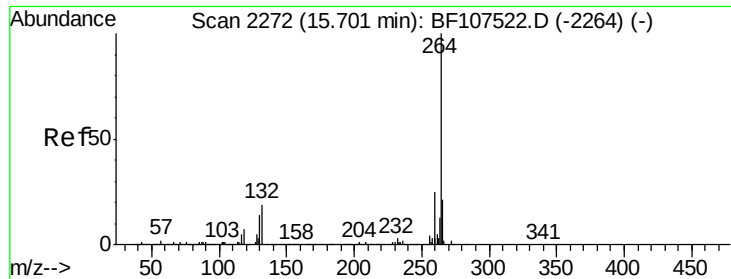


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

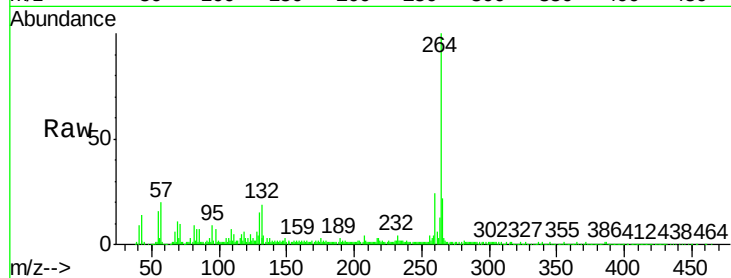




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF107548.D
Acq: 21 Jul 2018 2:16

Instrument :
BNA_F
ClientSampleId :
EO-02-071818-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

