

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107633.D
 Acq On : 24 Jul 2018 21:40
 Operator : JU/SJ
 Sample : 4011-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180413-CORE-3

Quant Time: Jul 25 01:05:30 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	244080	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	919470	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	366279	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	625934	20.00	ng	0.00
75) Chrysene-d12	14.15	240	473558	20.00	ng	-0.01
86) Perylene-d12	15.69	264	385805	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1269915	83.65	ng	0.00
7) Phenol-d6	6.61	99	1590867	87.27	ng	0.00
23) Nitrobenzene-d5	7.53	82	929817	68.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	333055	79.96	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1535621	67.84	ng	-0.01
78) Terphenyl-d14	13.09	244	1115232	60.29	ng	-0.01

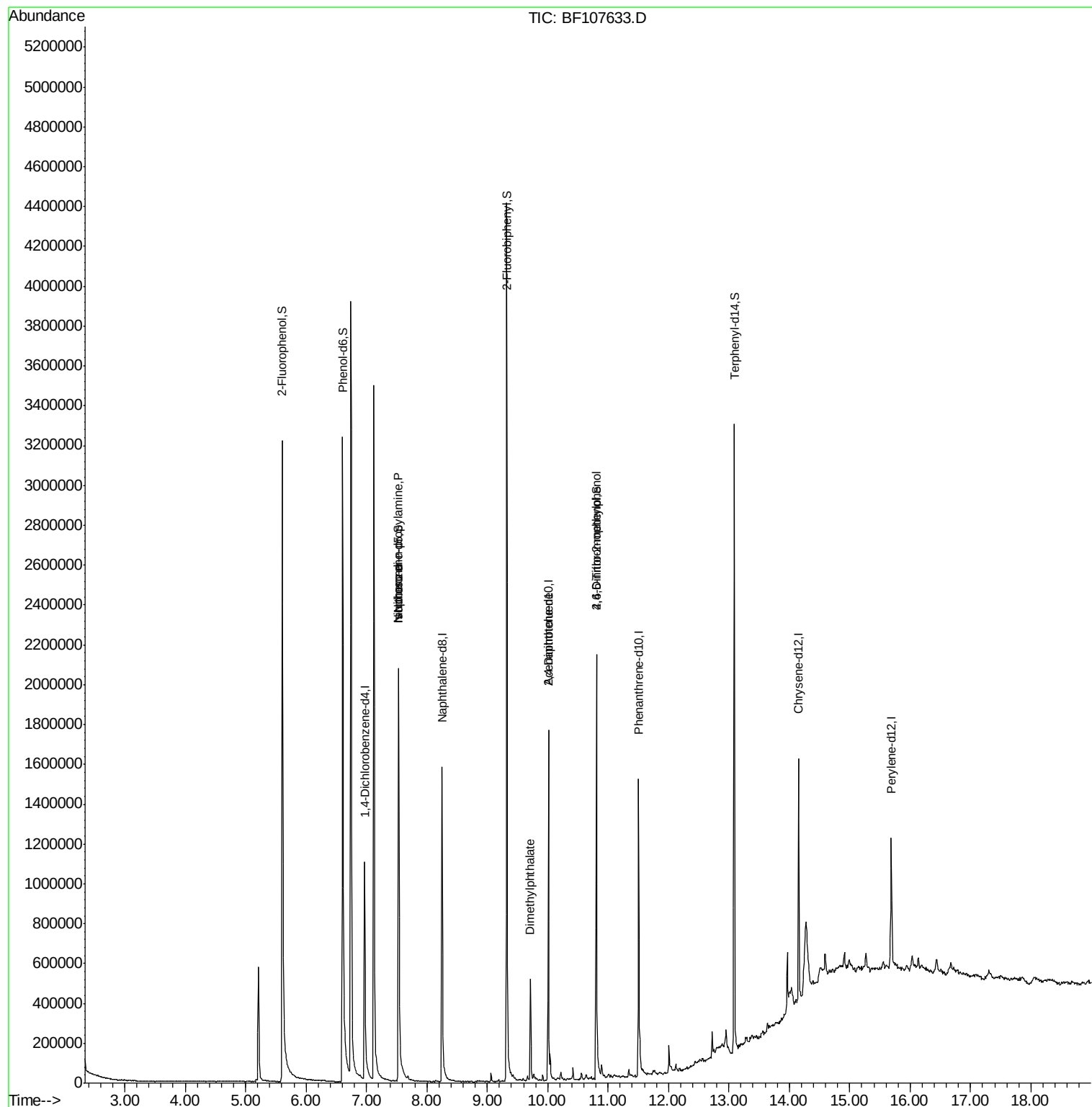
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	2259	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.53	70	123153	10.458	ng	# 78
25) Isophorone	7.53	82	929812	31.963	ng	# 64
49) Dimethylphthalate	9.72	163	241207	8.738	ng	# 99
56) 2,4-Dinitrotoluene	10.01	165	47393	7.164	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	689	8.867	ng	# 1
73) Di-n-butylphthalate	12.05	149	6882	Below Cal	#	95
81) 3,3'-Dichlorobenzidine	14.11	252	1341	Below Cal	#	82

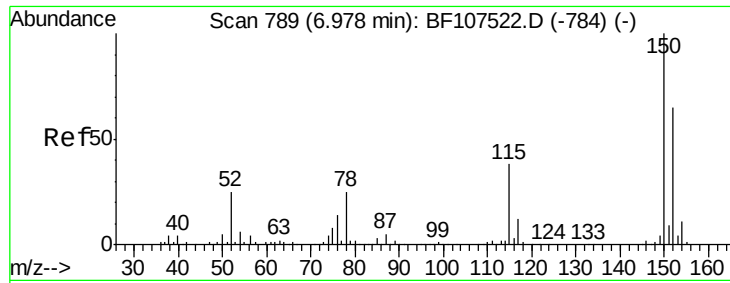
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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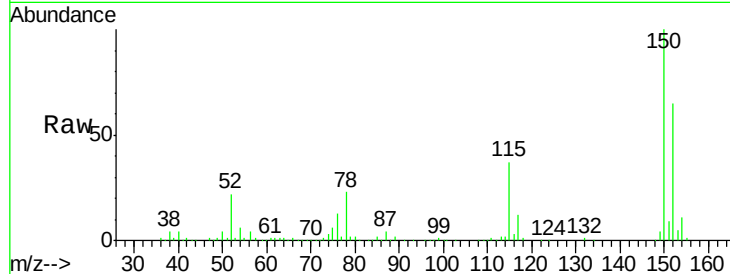


#1

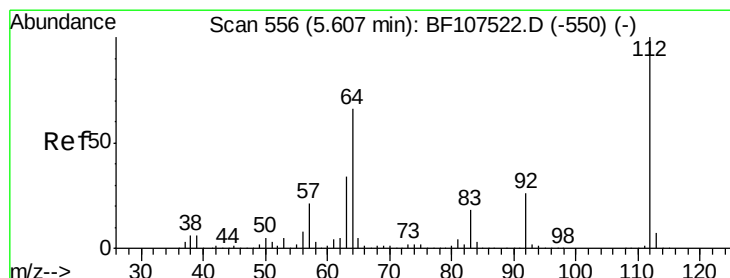
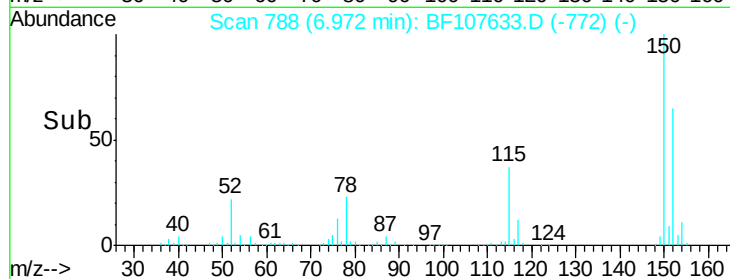
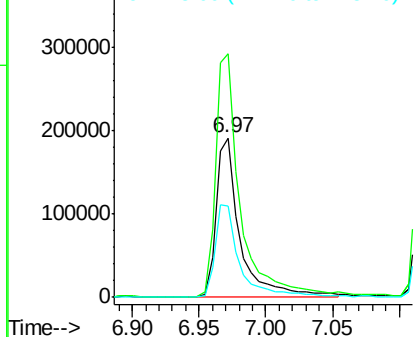
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

Instrument :
BNA_F
ClientSampleId :
20180413-CORE-3

Tgt Ion:152 Resp: 244080
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 57.2 50.1 75.1



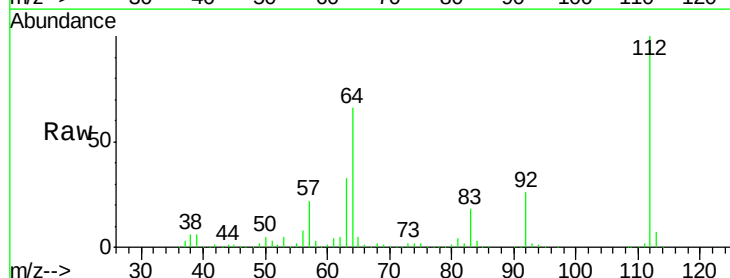
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



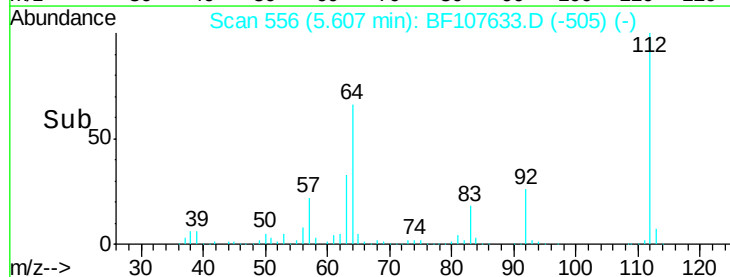
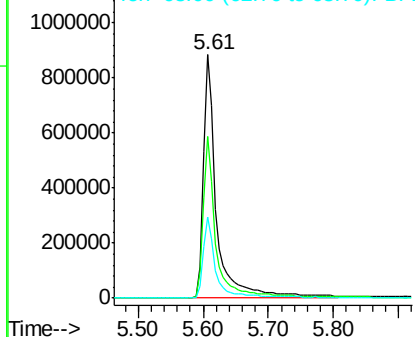
#5

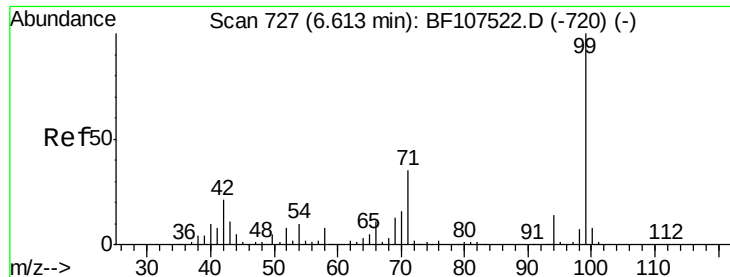
2-Fluorophenol
Concen: 83.652 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

Tgt Ion:112 Resp: 1269915
Ion Ratio Lower Upper
112 100
64 66.2 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: 87.275 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107633.D

Acq: 24 Jul 2018 21:40

Instrument :

BNA_F

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20180413-CORE-3

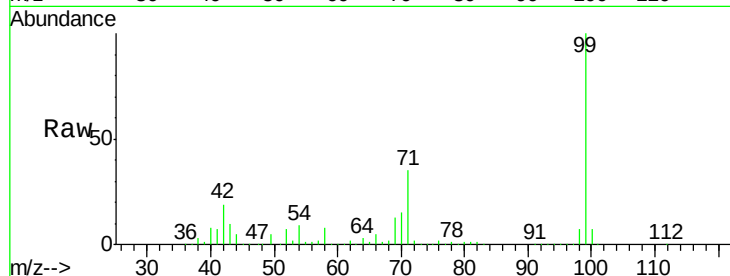
Tgt Ion: 99 Resp: 1590867

Ion Ratio Lower Upper

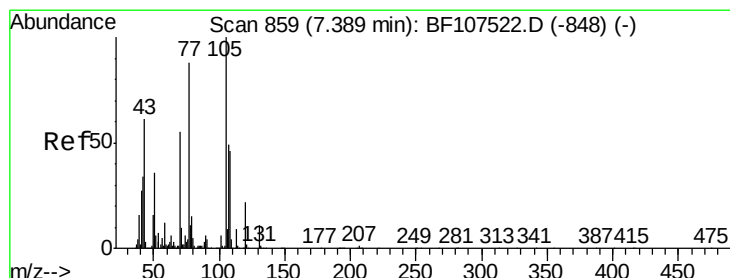
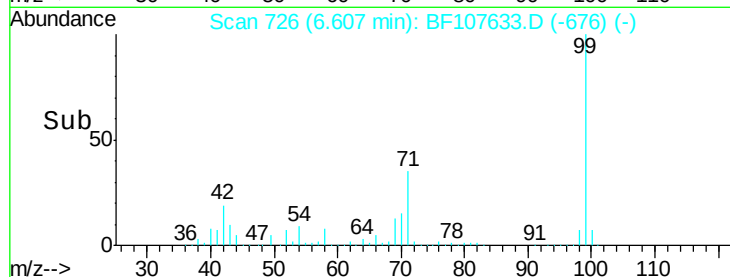
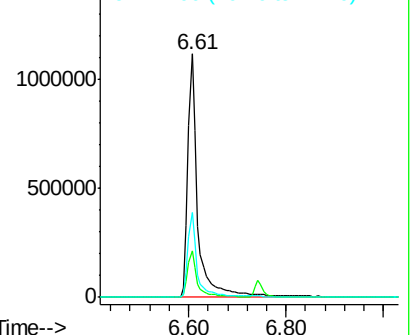
99 100

42 19.1 14.5 21.7

71 35.0 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: 10.458 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107633.D

Acq: 24 Jul 2018 21:40

Tgt Ion: 70 Resp: 123153

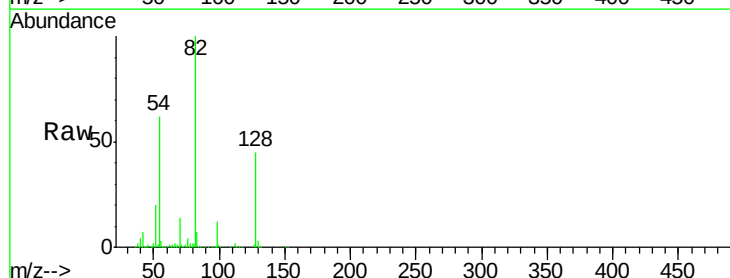
Ion Ratio Lower Upper

70 100

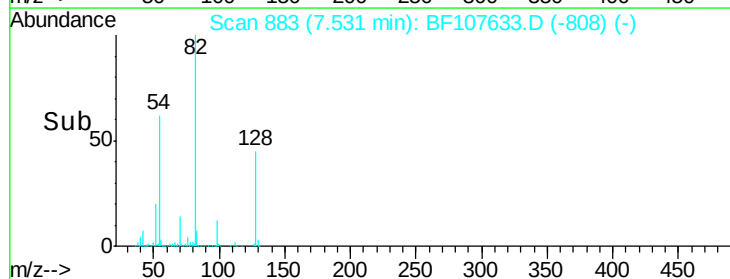
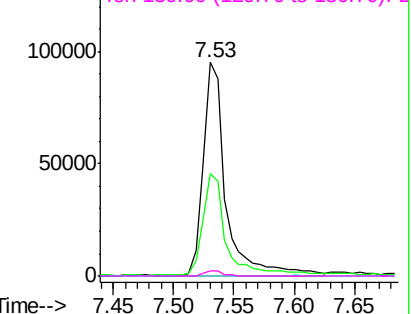
42 48.0 47.5 71.3

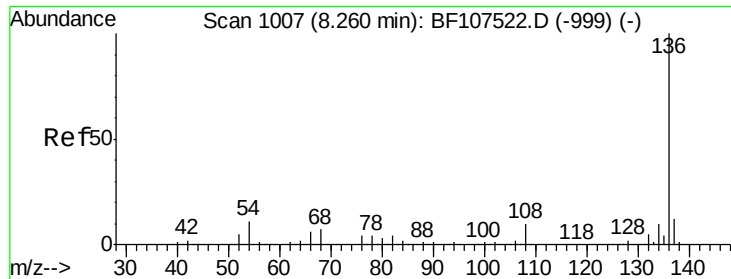
101 0.0 7.4 11.2#

130 2.3 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

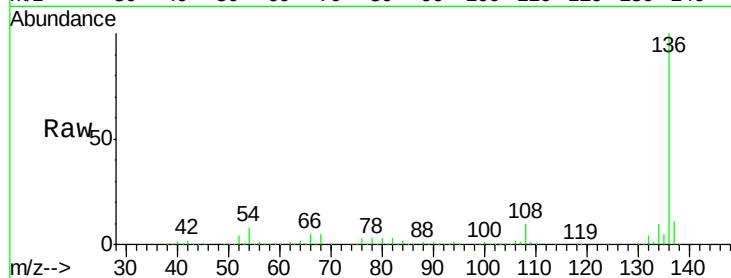




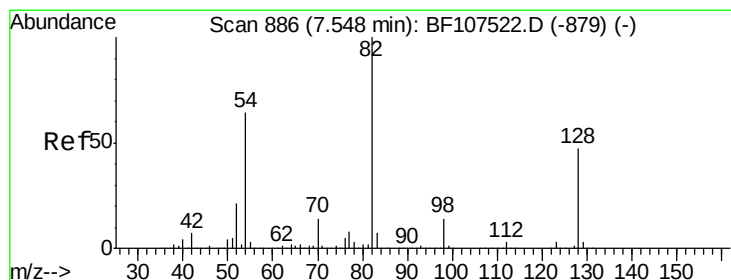
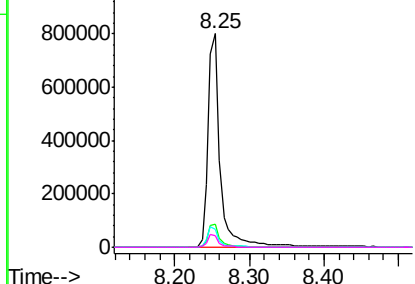
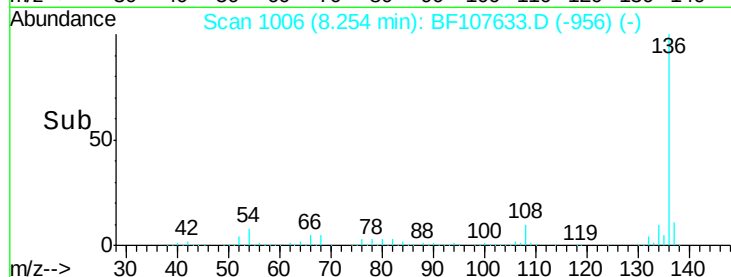
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

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Tgt Ion:	136	Resp:	919470
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.4	6.6	9.8
68	5.4	5.0	7.4

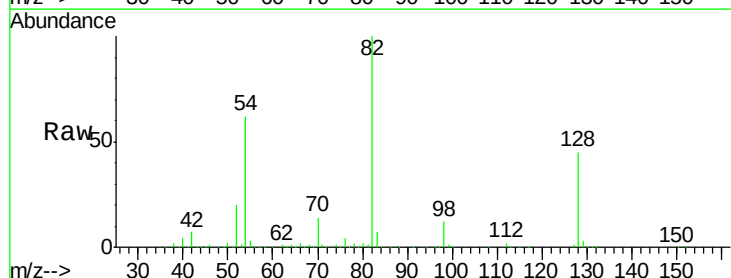


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

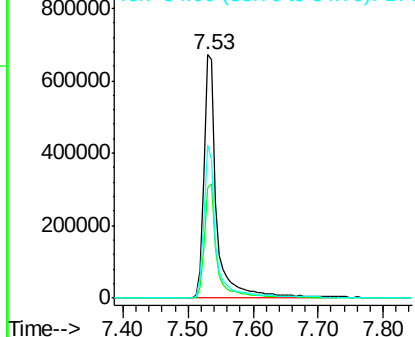
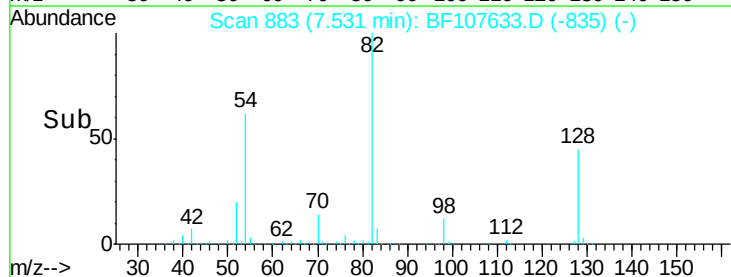


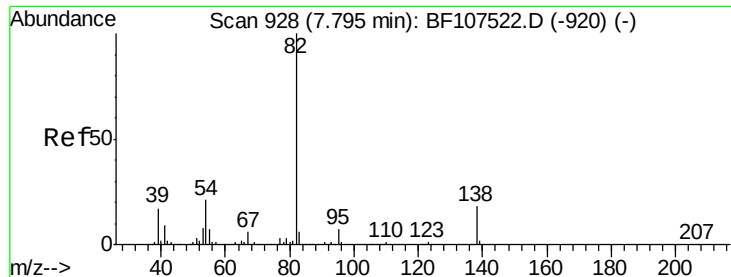
#23
Nitrobenzene-d5
Concen: 68.247 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

Tgt Ion:	82	Resp:	929817
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	62.5	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: 31.963 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107633.D

Acq: 24 Jul 2018 21:40

Instrument :

BNA_F

ClientSampleId :

20180413-CORE-3

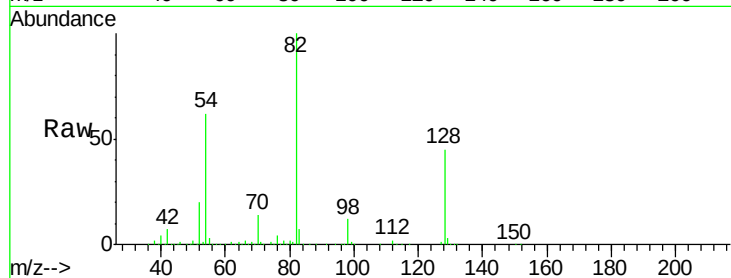
Tgt Ion: 82 Resp: 929812

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

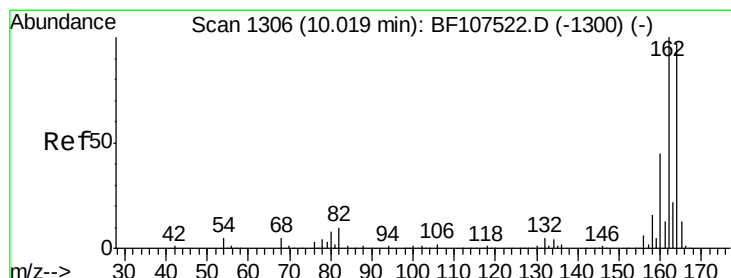
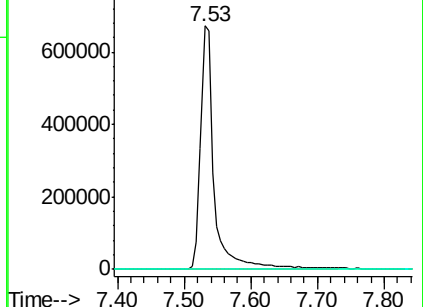
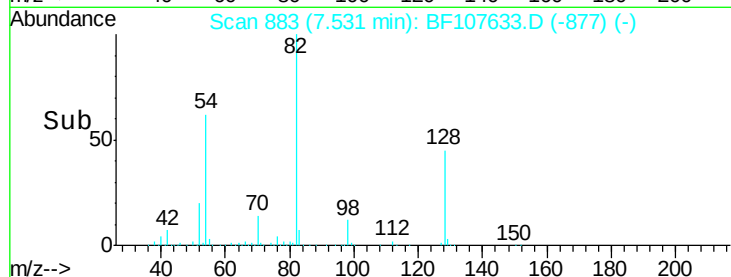
138 0.0 14.9 22.3#



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: 10.01 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF107633.D

Acq: 24 Jul 2018 21:40

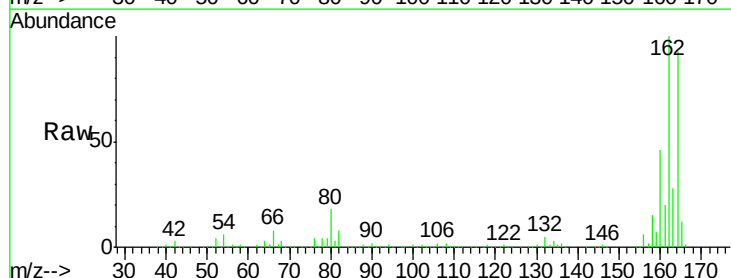
Tgt Ion: 164 Resp: 366279

Ion Ratio Lower Upper

164 100

162 107.4 86.1 129.1

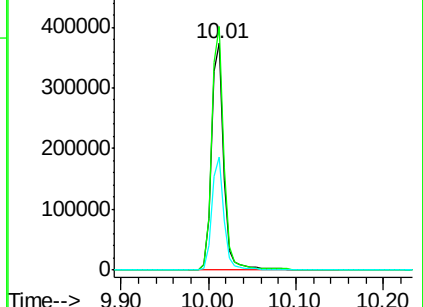
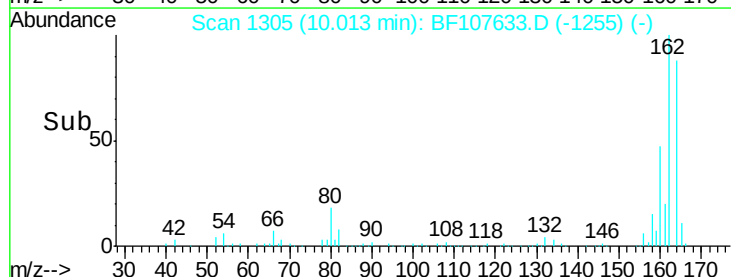
160 49.9 38.3 57.5

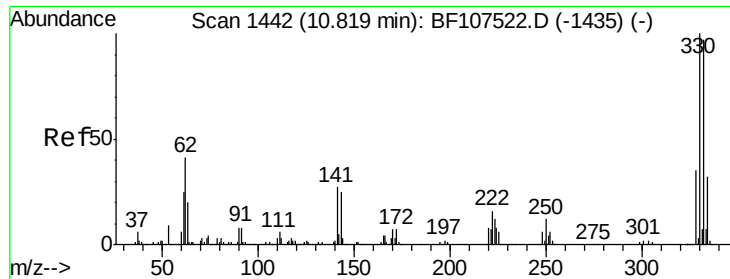


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

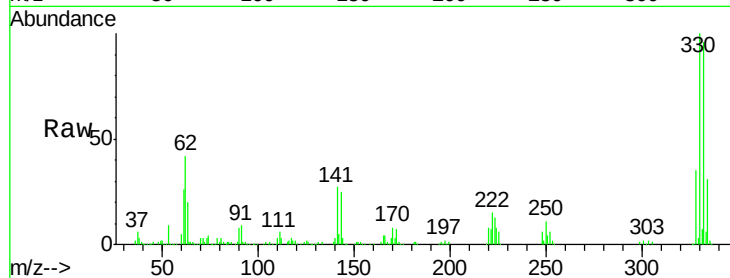




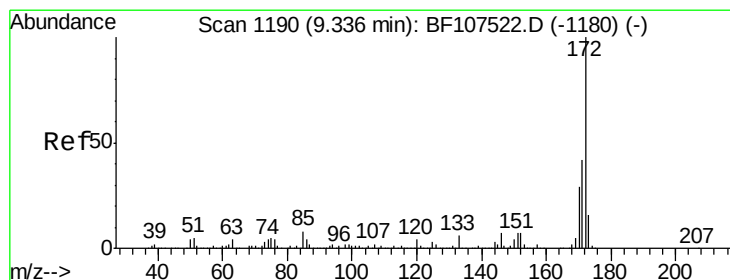
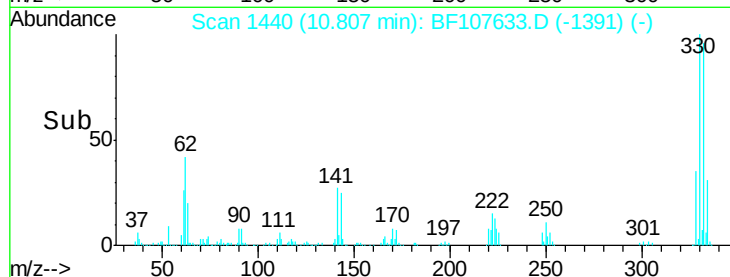
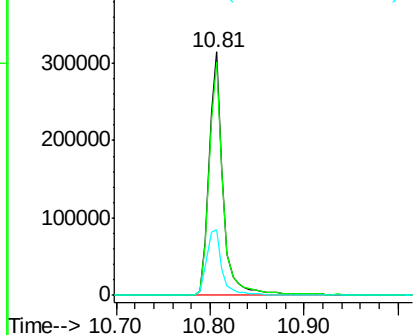
#41
 2,4,6-Tribromophenol
 Concen: 79.962 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107633.D
 Acq: 24 Jul 2018 21:40

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Tgt Ion:330 Resp: 333055
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 30.1 29.9 44.9

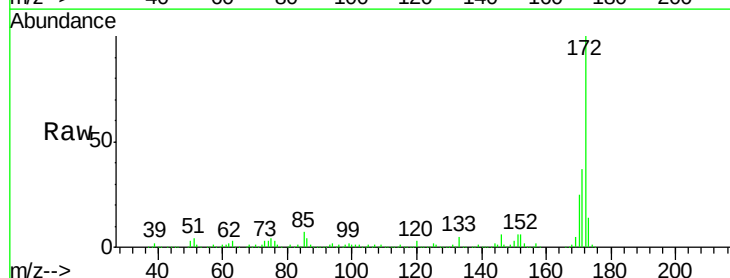


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

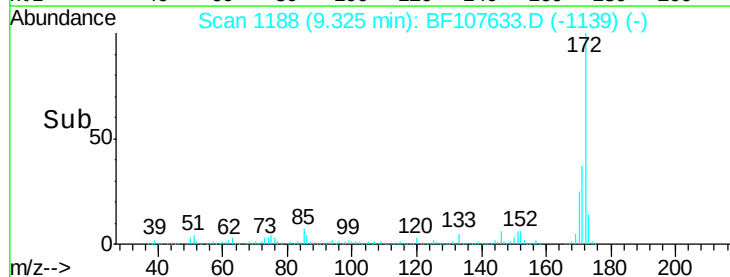
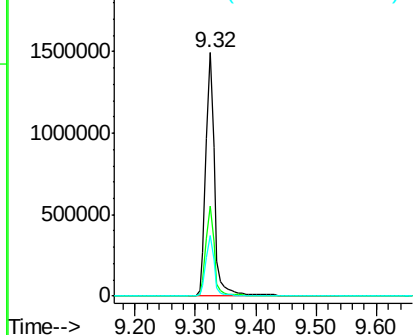


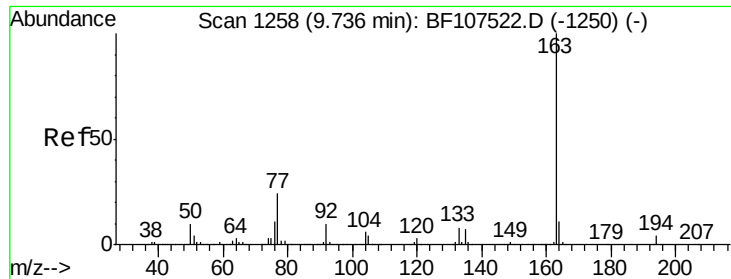
#44
 2-Fluorobiphenyl
 Concen: 67.842 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107633.D
 Acq: 24 Jul 2018 21:40

Tgt Ion:172 Resp: 1535621
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.7 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

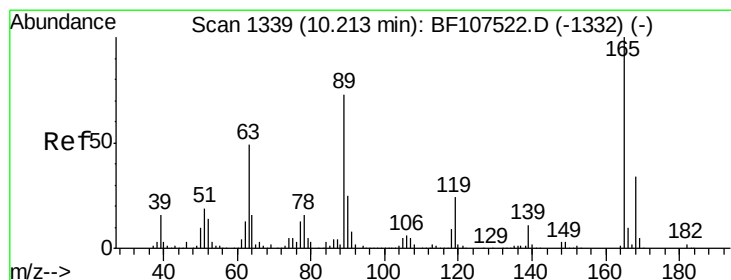
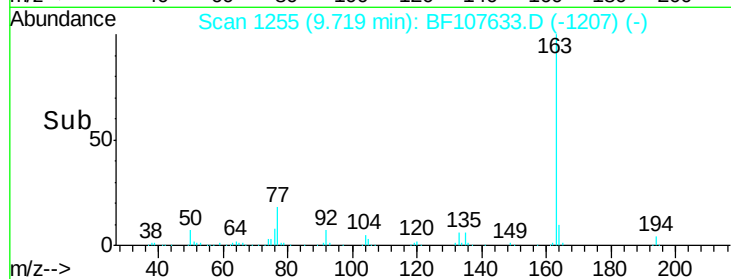
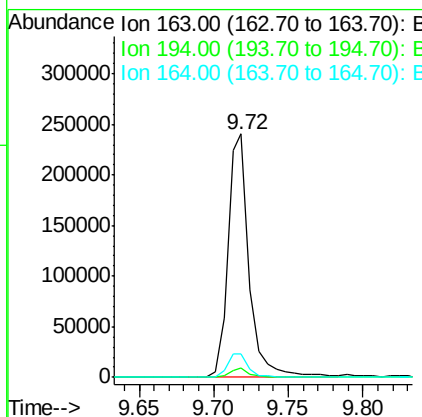
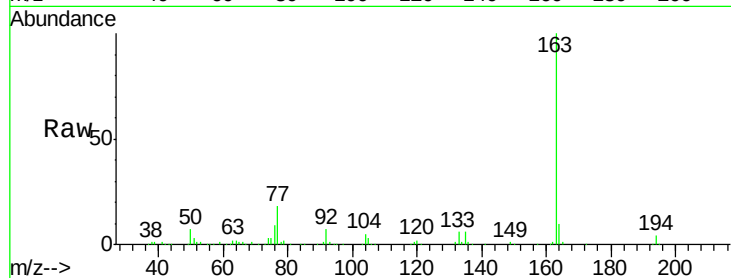




#49
Dimethylphthalate
Concen: 8.738 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

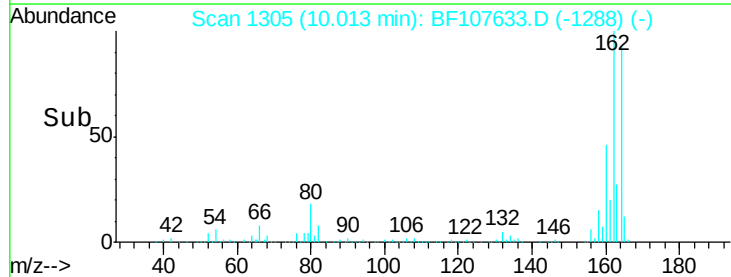
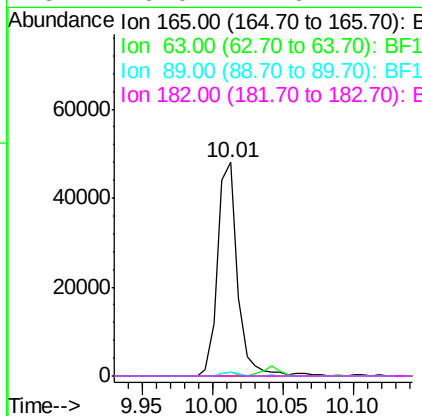
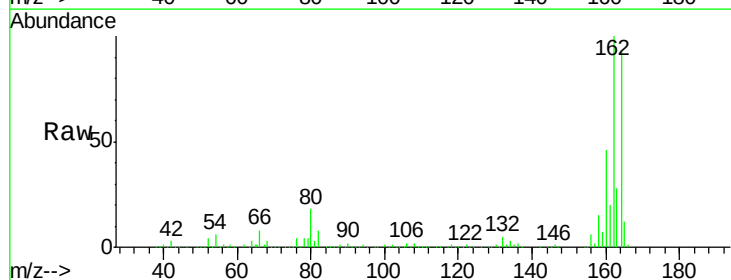
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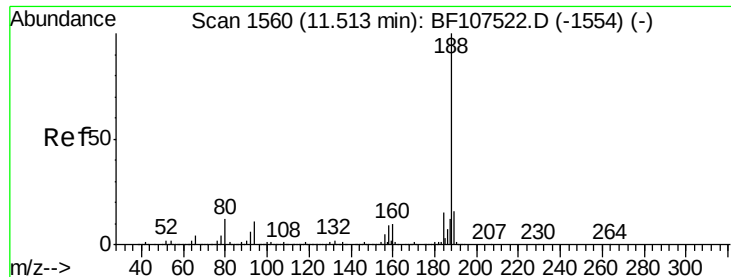
Tgt Ion:163 Resp: 241207
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.7 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.164 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

Tgt Ion:165 Resp: 47393
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

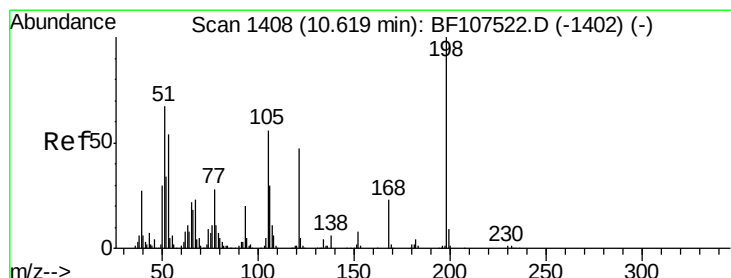
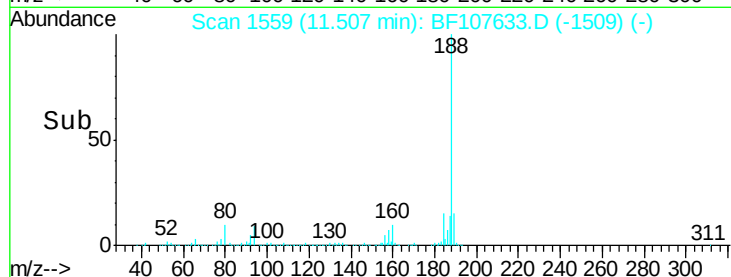
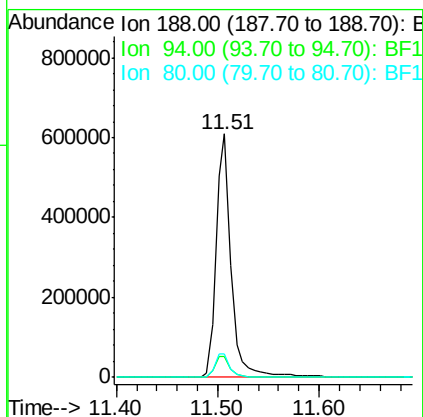
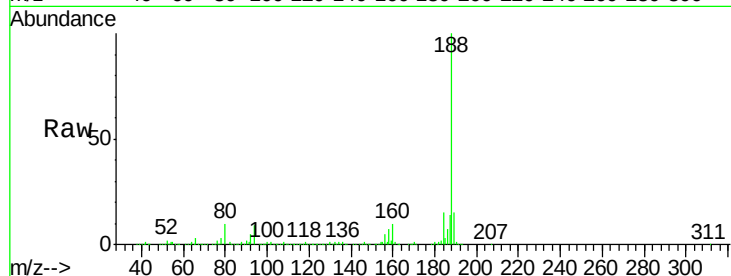




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

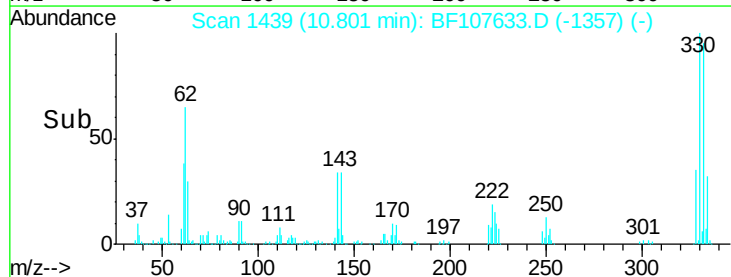
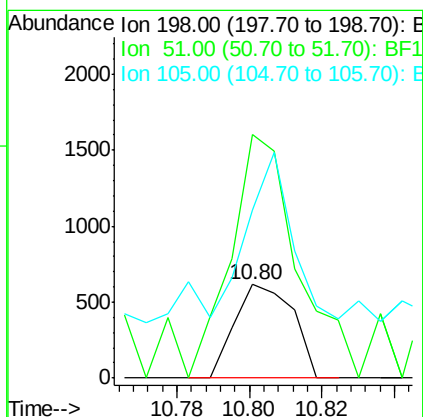
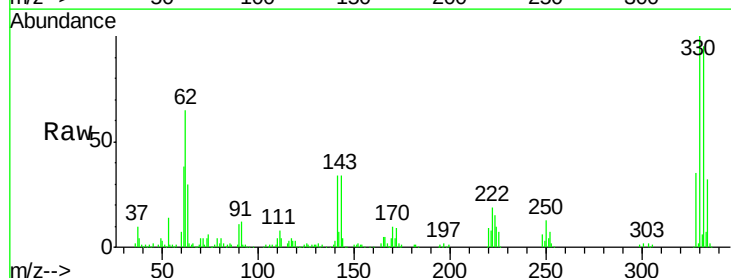
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BNA_F
ClientSampleId :
20180413-CORE-3

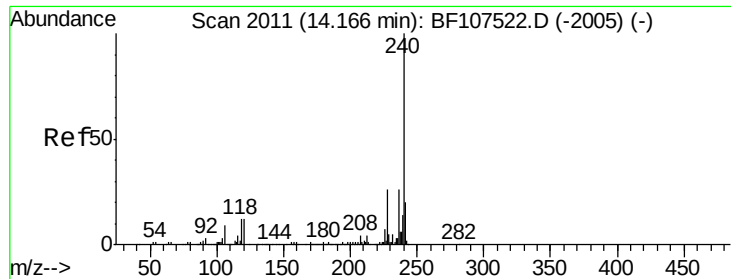
Tgt Ion:188 Resp: 625934
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 9.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.867 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.18 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

Tgt Ion:198 Resp: 689
Ion Ratio Lower Upper
198 100
51 260.2 37.7 77.7#
105 179.5 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107633.D

Acq: 24 Jul 2018 21:40

Instrument :

BNA_F

ClientSampleId :

20180413-CORE-3

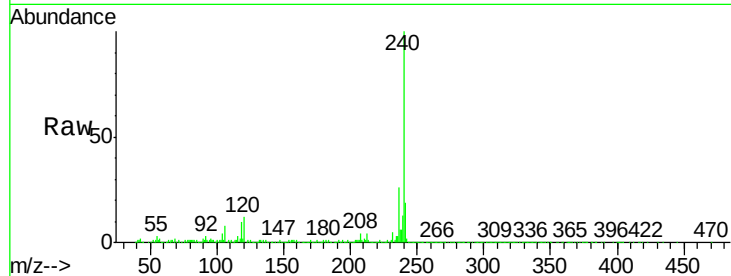
Tgt Ion:240 Resp: 473558

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

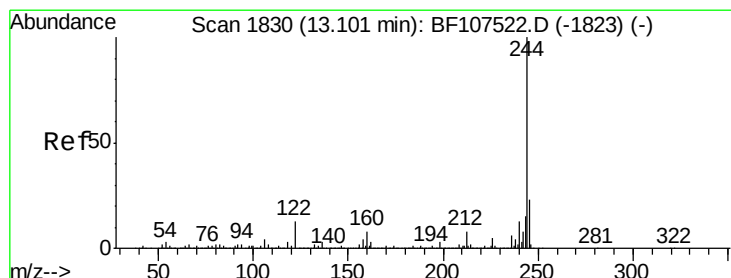
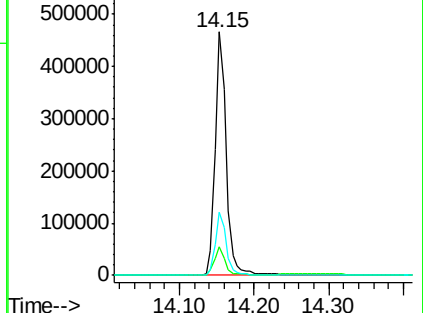
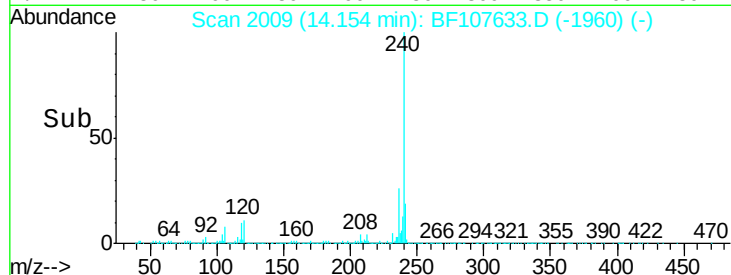
236 26.2 20.7 31.1



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



#78

Terphenyl-d14

Concen: 60.290 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107633.D

Acq: 24 Jul 2018 21:40

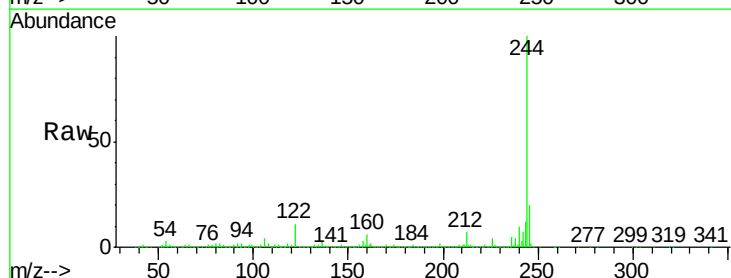
Tgt Ion:244 Resp: 1115232

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

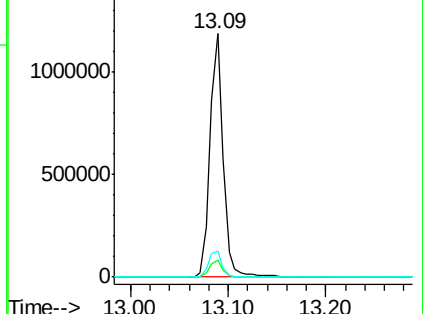
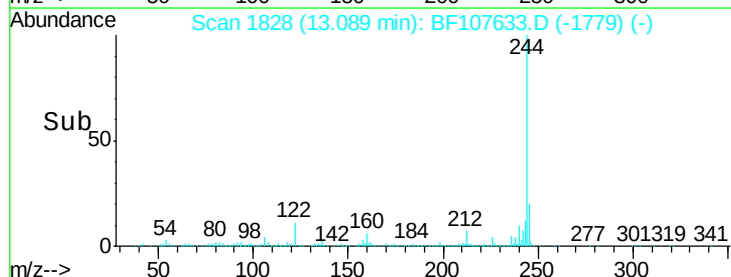
122 10.6 11.0 16.4#

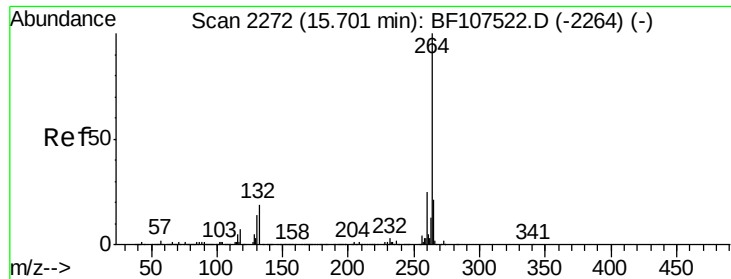


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107633.D
Acq: 24 Jul 2018 21:40

Instrument :
BNA_F
ClientSampleId :
20180413-CORE-3

Tgt Ion: 264 Resp: 385805
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.9 17.5 26.3

