

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107641.D
 Acq On : 25 Jul 2018 3:05
 Operator : JU/SJ
 Sample : J4120-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 07:49:54 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

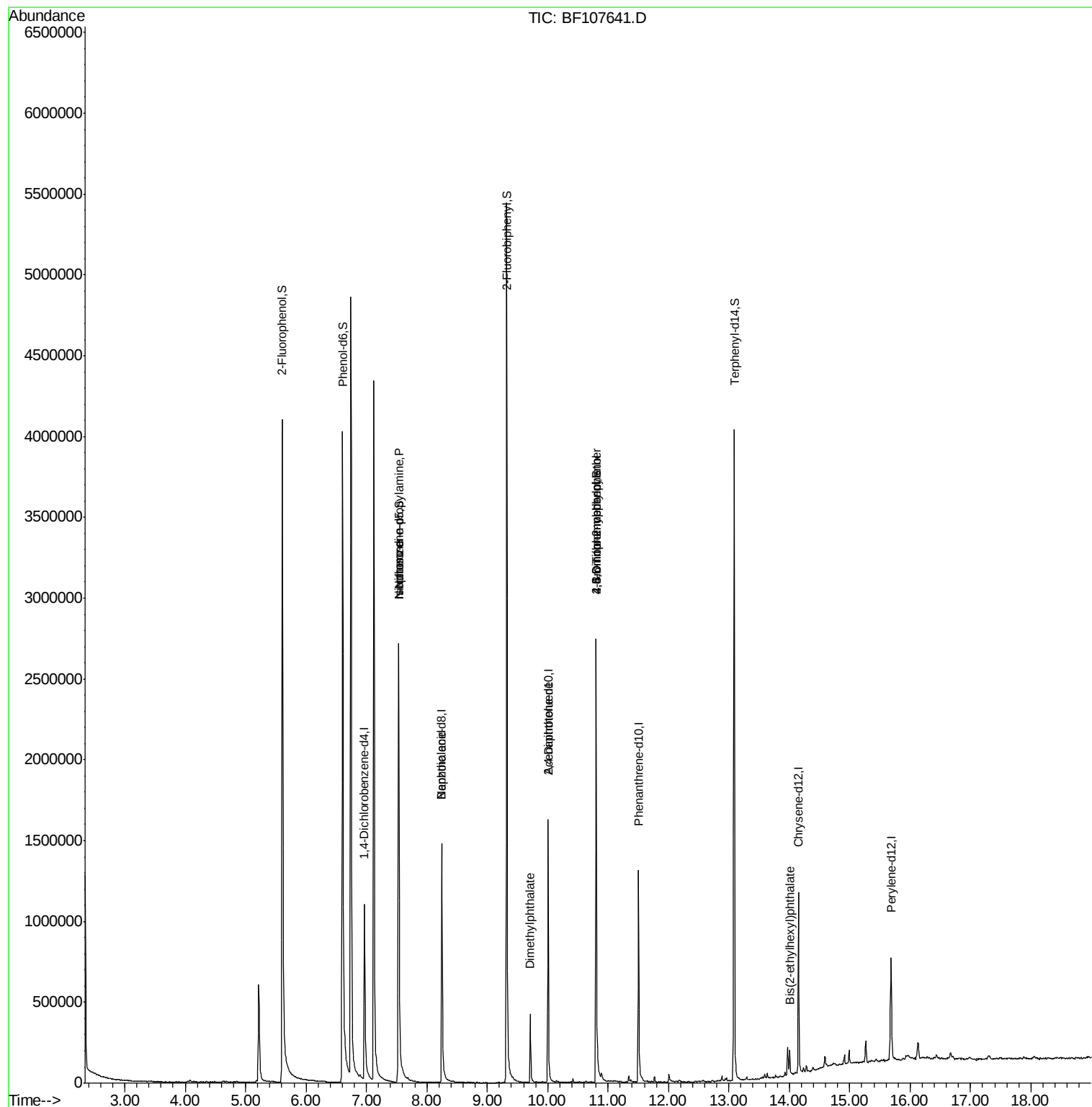
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	237799	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	863642	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	346586	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	588958	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	445388	20.00	ng	-0.01
86) Perylene-d12	15.68	264	343112	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1689987	114.26	ng	0.00
7) Phenol-d6	6.61	99	2056542	115.80	ng	0.00
23) Nitrobenzene-d5	7.54	82	1279092	99.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	425795	108.04	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	2016866	106.79	ng	-0.01
78) Terphenyl-d14	13.09	244	1577634	90.68	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.61	77	2939	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.53	70	168606	14.696	ng	# 81
25) Isophorone	7.54	82	1279085	46.812	ng	# 64
32) Benzoic acid	8.25	122	111	7.911	ng	# 1
49) Dimethylphthalate	9.71	163	181811	6.960	ng	98
56) 2,4-Dinitrotoluene	10.01	165	44609	7.126	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	597	8.853	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	24978	3.603	ng	# 1
73) Di-n-butylphthalate	12.05	149	2599	Below Cal	#	89
81) 3,3'-Dichlorobenzidine	14.10	252	384	Below Cal	#	27
83) Bis(2-ethylhexyl)phthalate	14.01	149	48628	2.630	ng	# 53

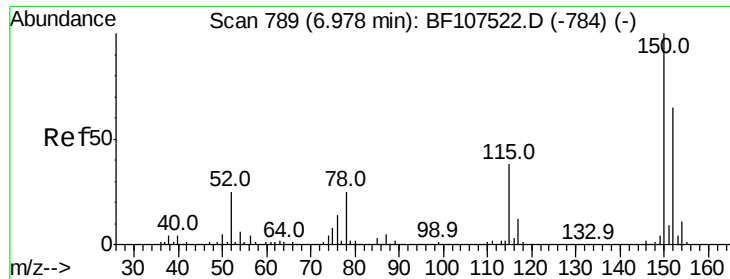
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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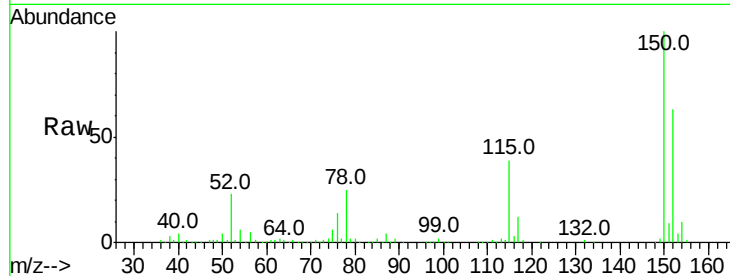


#1

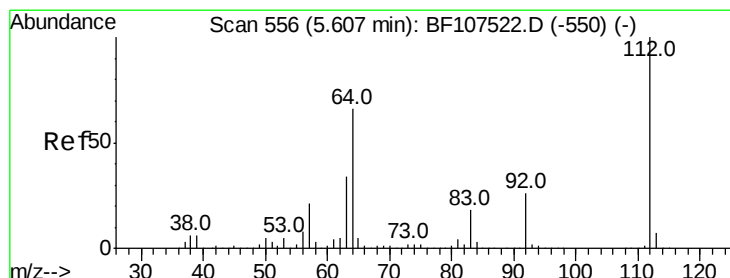
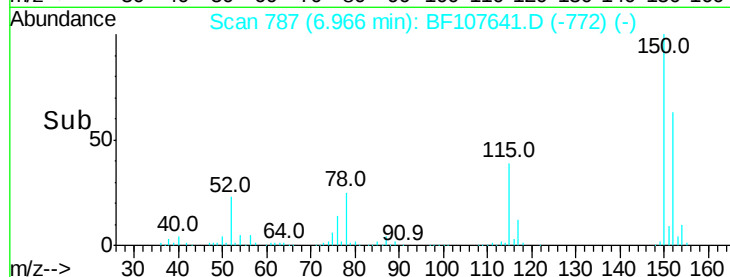
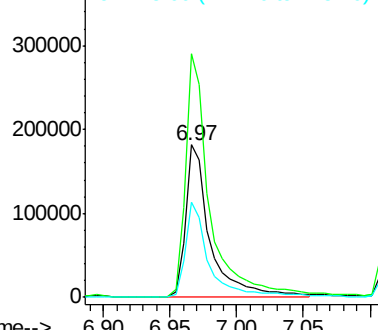
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107641.D
Acq: 25 Jul 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	62.1	50.1	75.1



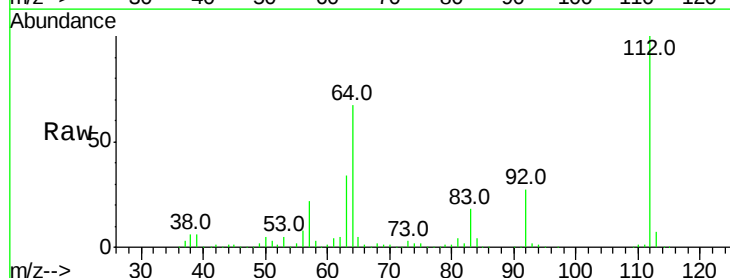
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



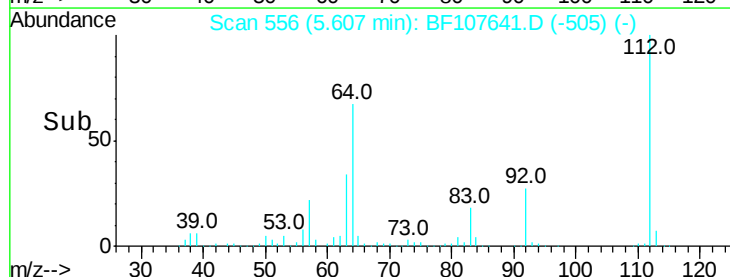
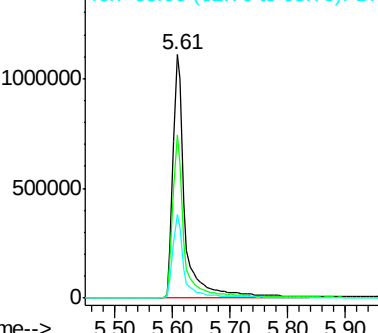
#5

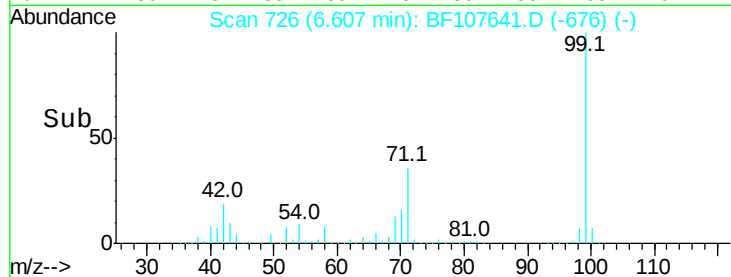
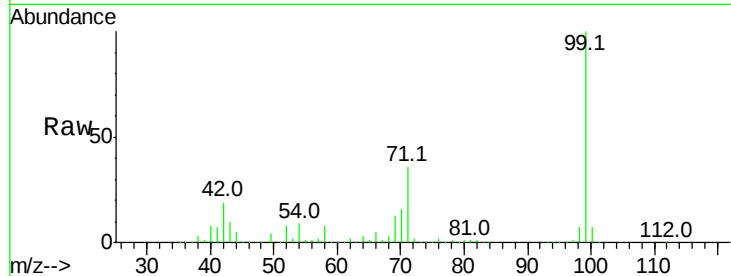
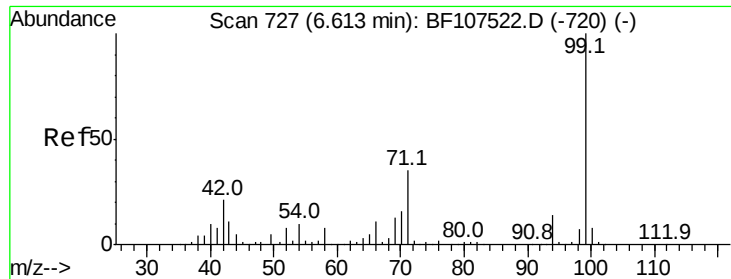
2-Fluorophenol
Concen: 114.264 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107641.D
Acq: 25 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	34.4	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: 115.801 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

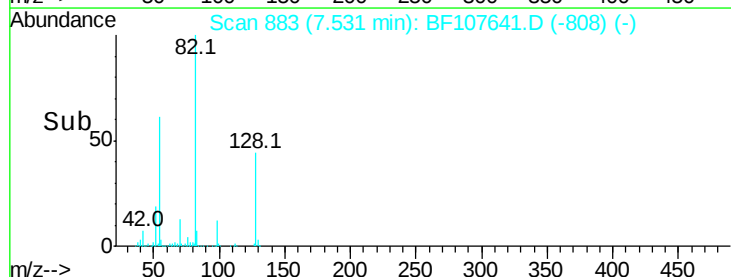
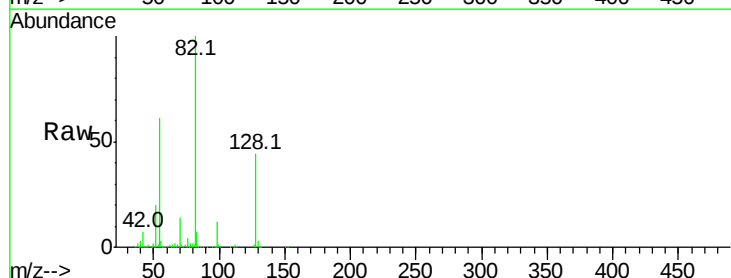
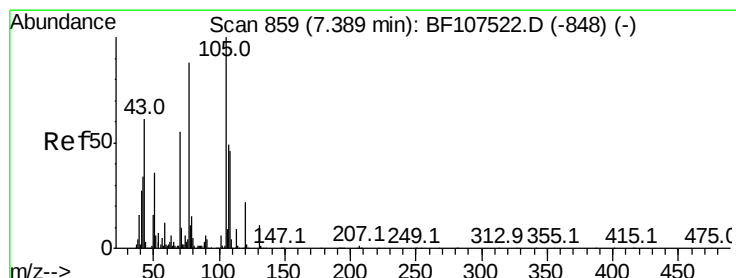
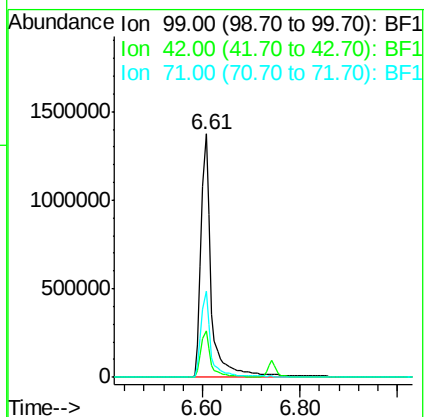
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2056542

Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.5	21.7
71	35.6	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.696 ng

RT: 7.53 min Scan# 883

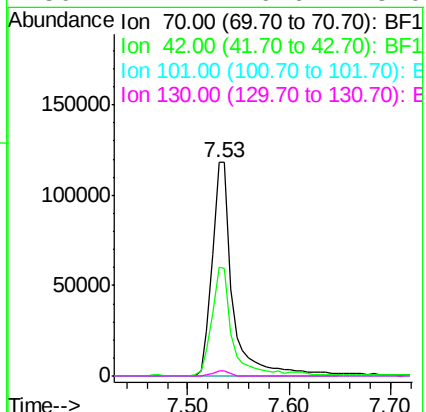
Delta R.T. 0.14 min

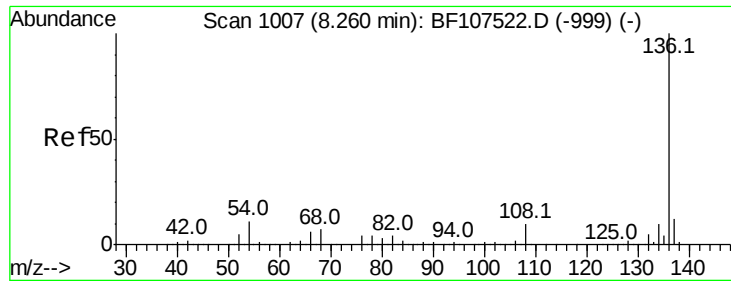
Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

Tgt Ion: 70 Resp: 168606

Ion	Ratio	Lower	Upper
70	100		
42	51.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#

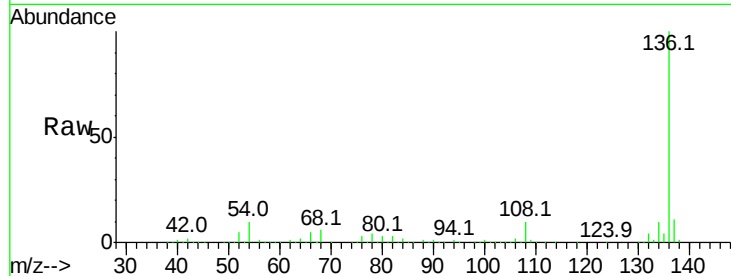




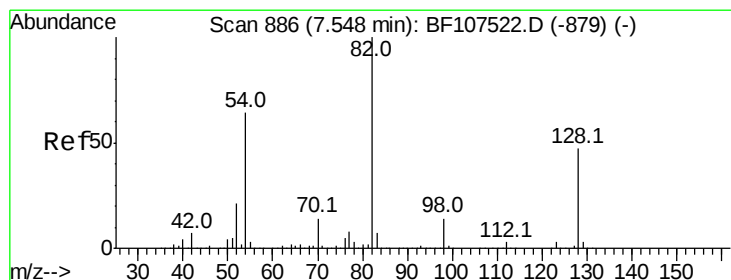
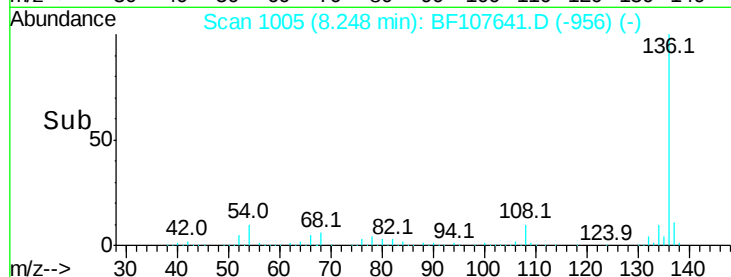
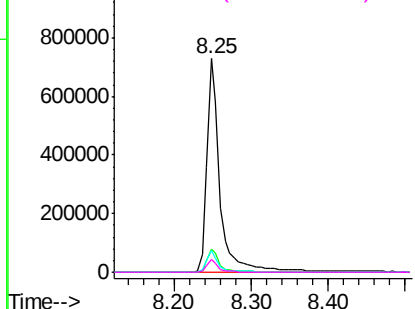
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107641.D
Acq: 25 Jul 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 863642
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.4 6.6 9.8#
68 5.7 5.0 7.4

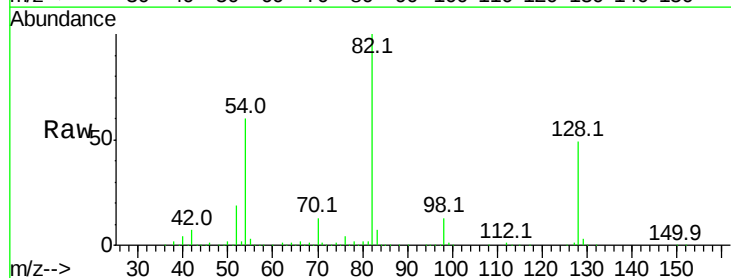


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

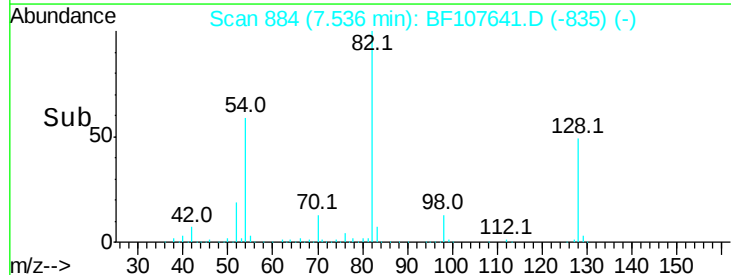
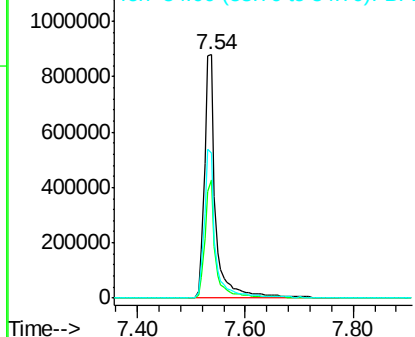


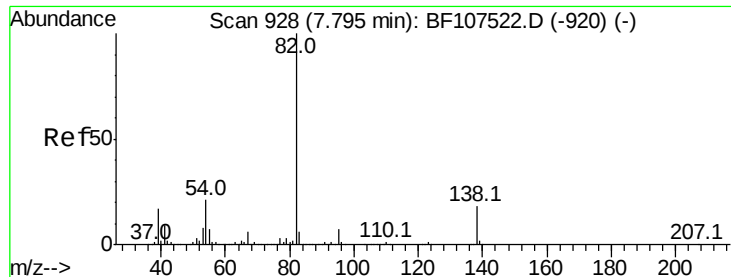
#23
Nitrobenzene-d5
Concen: 99.952 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107641.D
Acq: 25 Jul 2018 3:05

Tgt Ion: 82 Resp: 1279092
Ion Ratio Lower Upper
82 100
128 48.7 36.1 54.1
54 59.5 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: 46.812 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

Instrument :

BNA_F

ClientSampled :

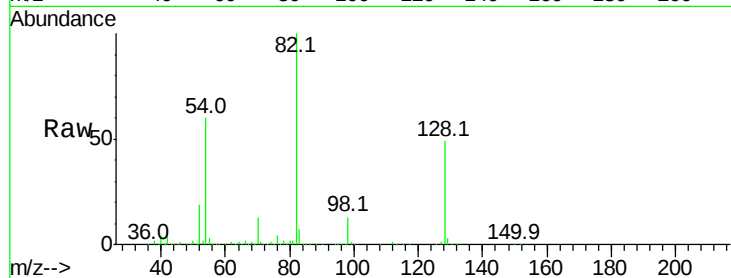
Tot Ion: 82 Resp: 1279085

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

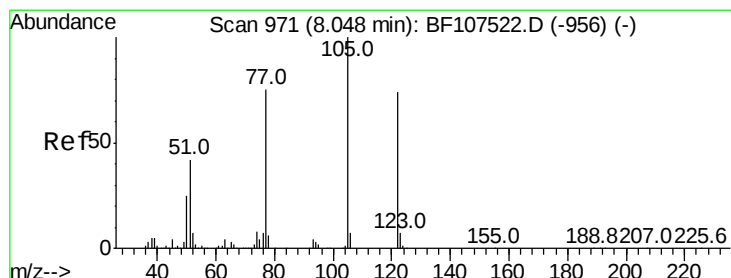
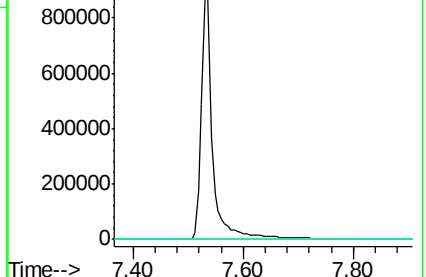
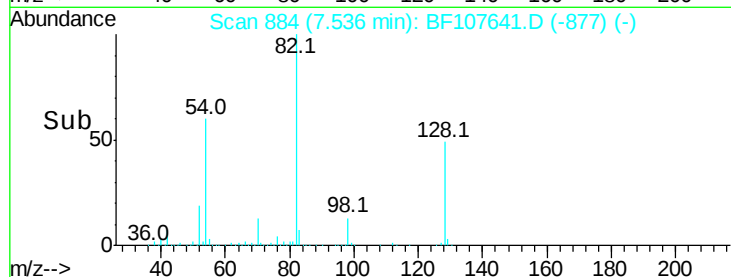
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.911 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.21 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

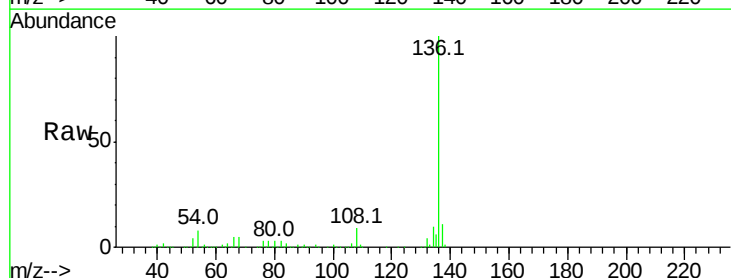
Tgt Ion: 122 Resp: 111

Ion Ratio Lower Upper

122 100

105 160.0 101.1 141.1#

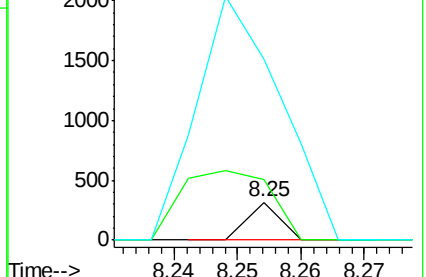
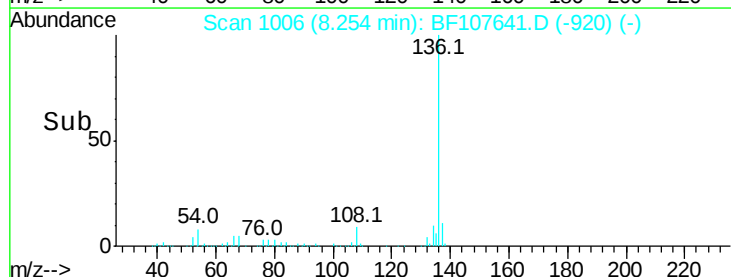
77 480.6 70.7 110.7#

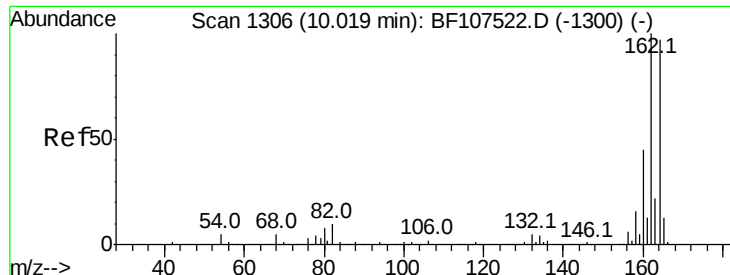


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

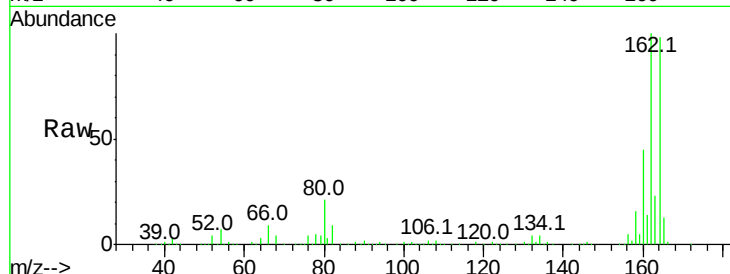




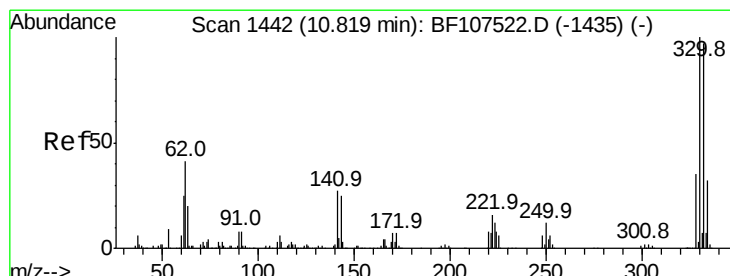
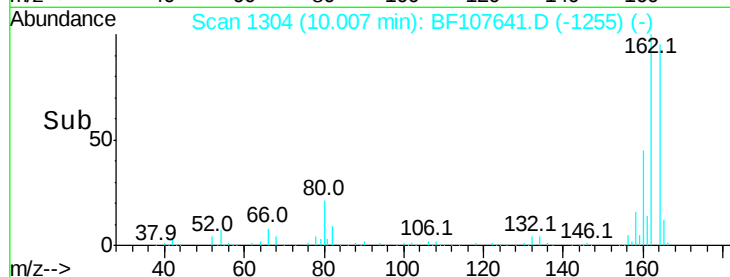
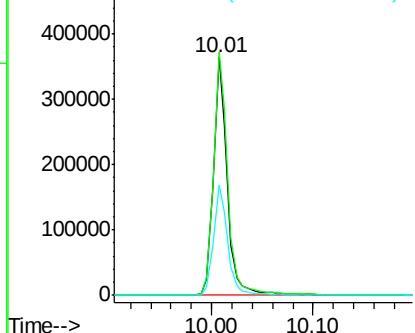
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107641.D
 Acq: 25 Jul 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	46.2	38.3	57.5

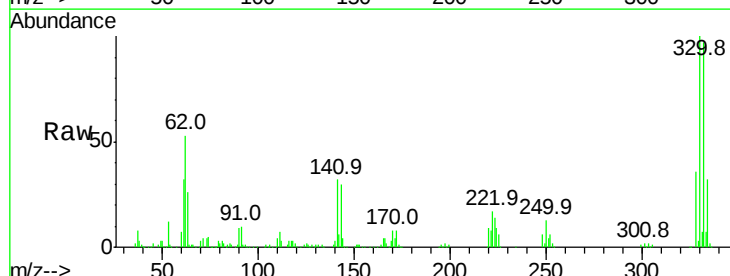


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

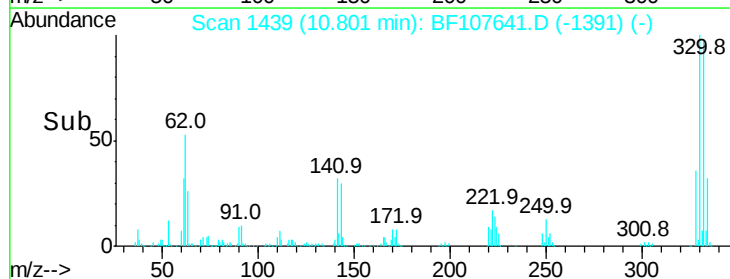
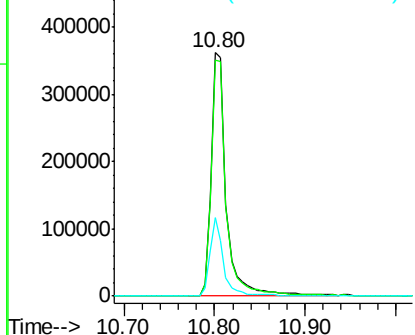


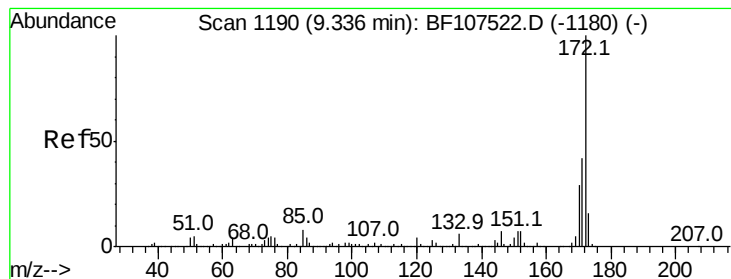
#41
 2,4,6-Tribromophenol
 Concen: 108.036 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107641.D
 Acq: 25 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	29.9	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: 106.791 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

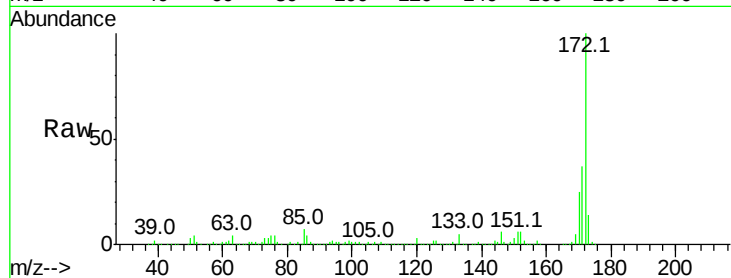
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 2016866

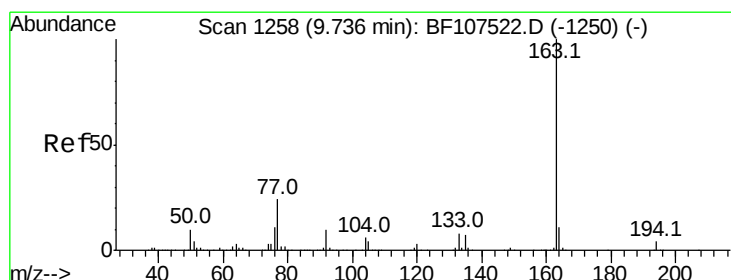
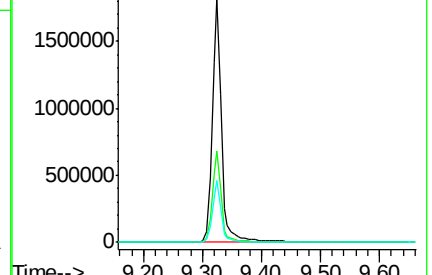
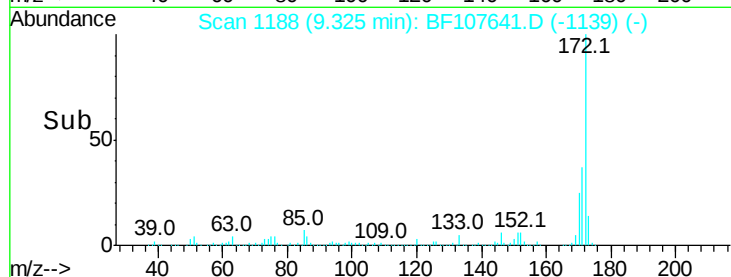
Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	25.3	19.6	29.4



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: 6.960 ng

RT: 9.71 min Scan# 1254

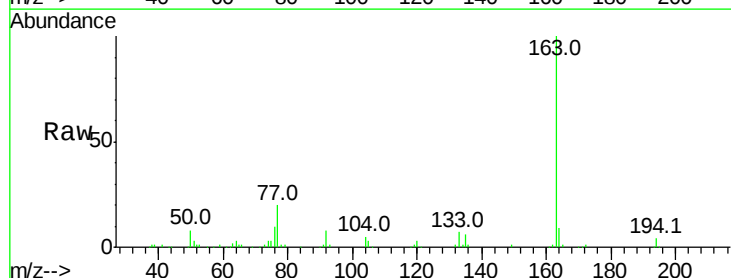
Delta R.T. -0.02 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

Tgt Ion:163 Resp: 181811

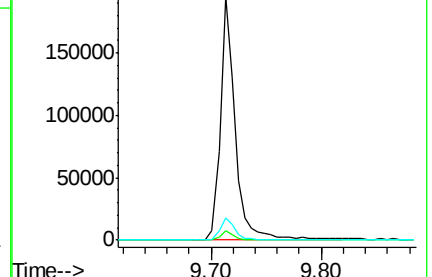
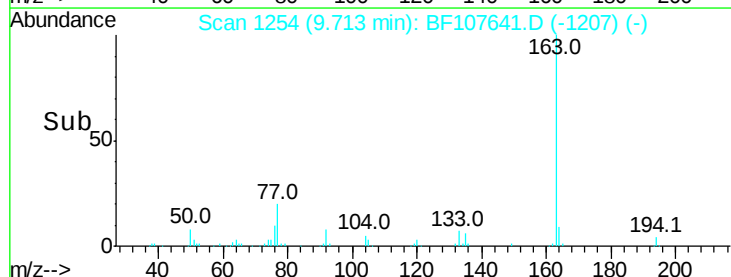
Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.3	8.2	12.2

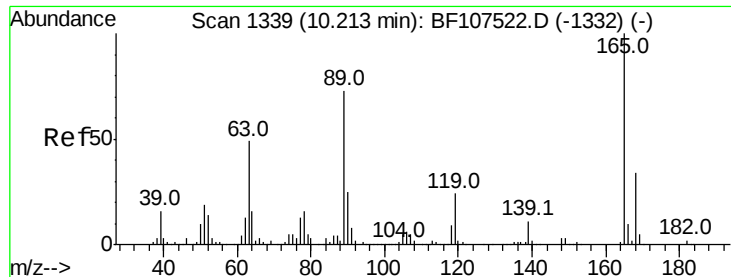


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

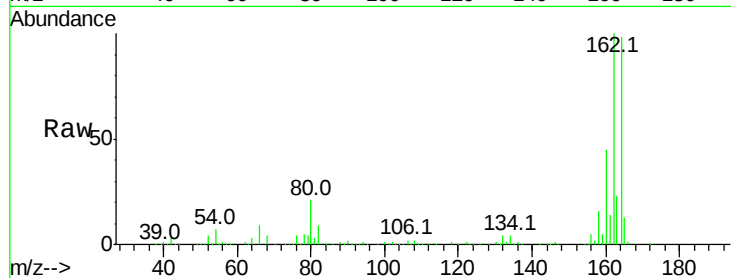




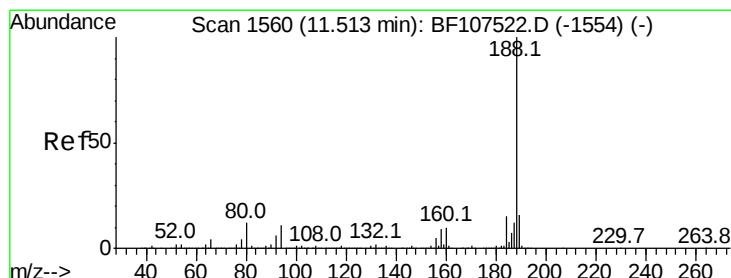
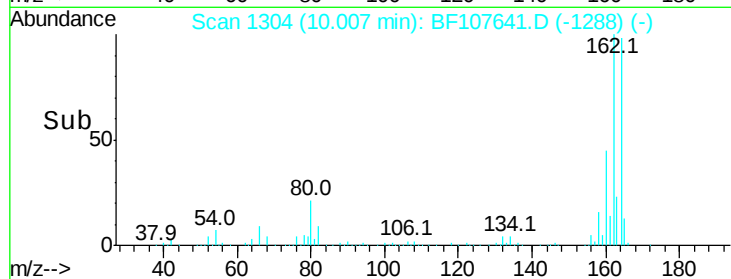
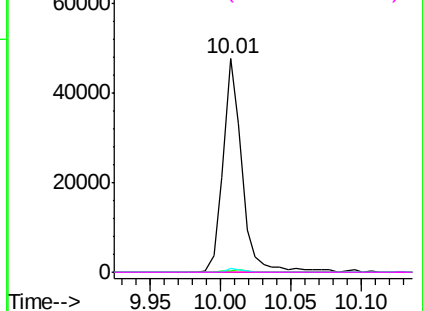
#56
 2,4-Dinitrotoluene
 Concen: 7.126 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107641.D
 Acq: 25 Jul 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 44609
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.4 54.6#
 89 1.8 57.8 86.6#
 182 0.0 1.6 2.4#

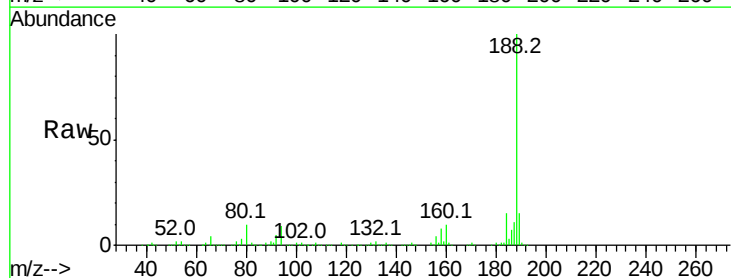


Abundance Ion 165.00 (164.70 to 165.70): E

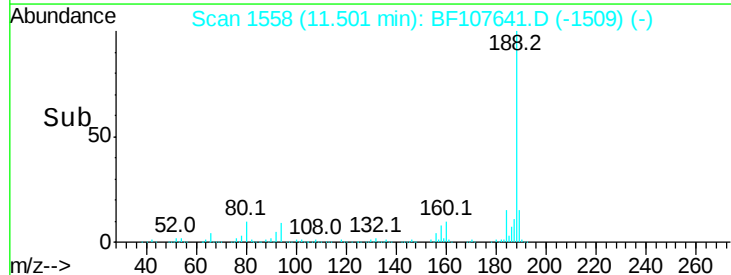
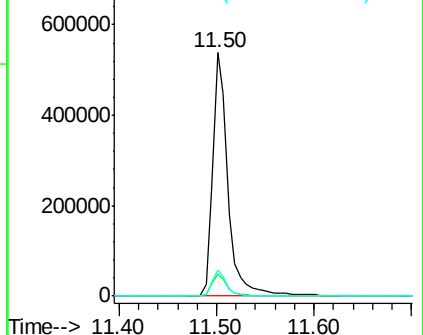


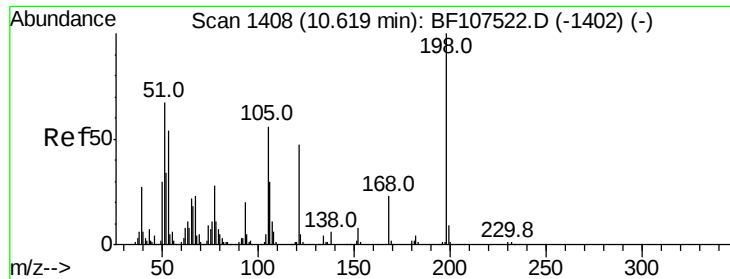
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107641.D
 Acq: 25 Jul 2018 3:05

Tgt Ion:188 Resp: 588958
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.5 12.7
 80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

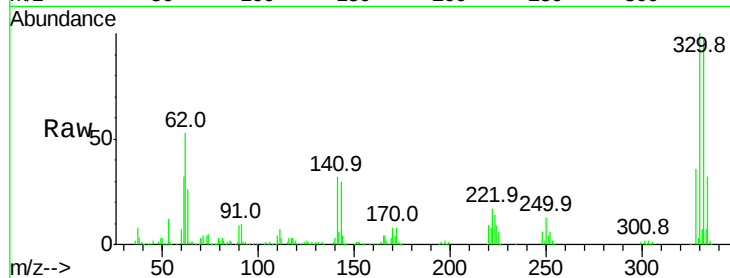




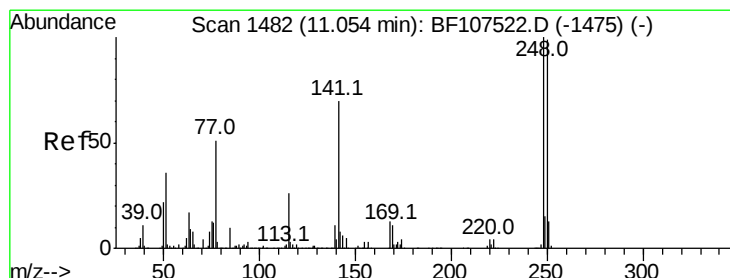
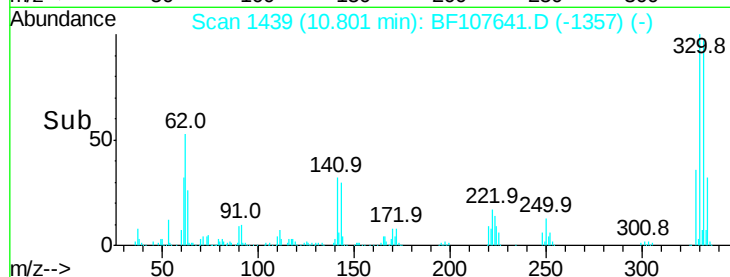
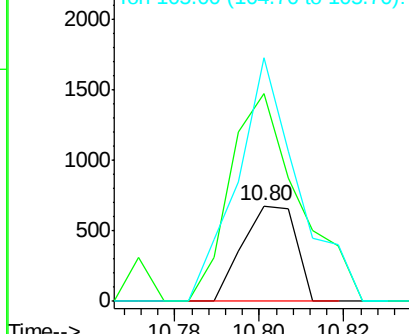
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.853 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.18 min
 Lab File: BF107641.D
 Acq: 25 Jul 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 597
 Ion Ratio Lower Upper
 198 100
 51 217.7 37.7 77.7#
 105 255.0 36.3 76.3#

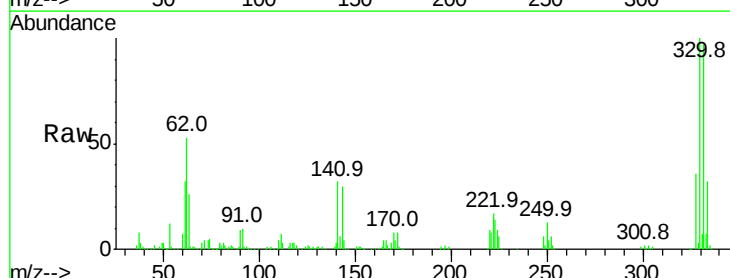


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

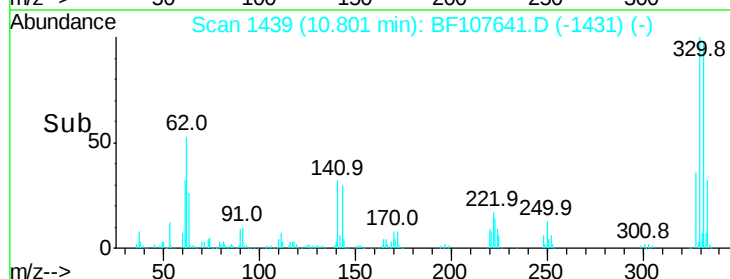
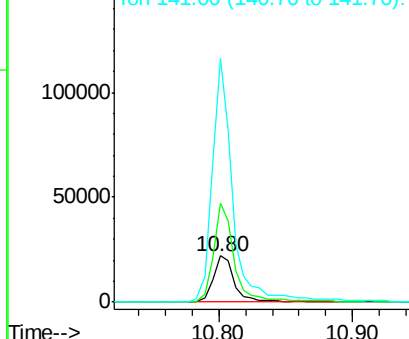


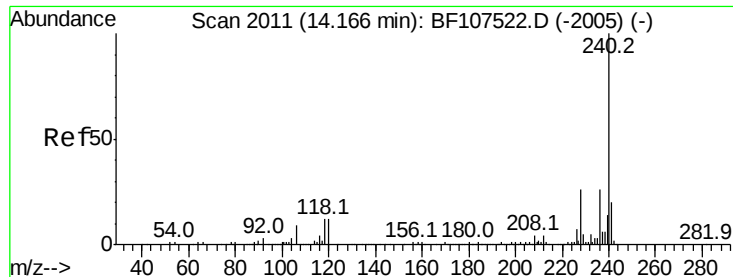
#66
 4-Bromophenyl-phenylether
 Concen: 3.603 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF107641.D
 Acq: 25 Jul 2018 3:05

Tgt Ion:248 Resp: 24978
 Ion Ratio Lower Upper
 248 100
 250 216.6 76.9 115.3#
 141 529.8 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

Instrument :

BNA_F

ClientSampleId :

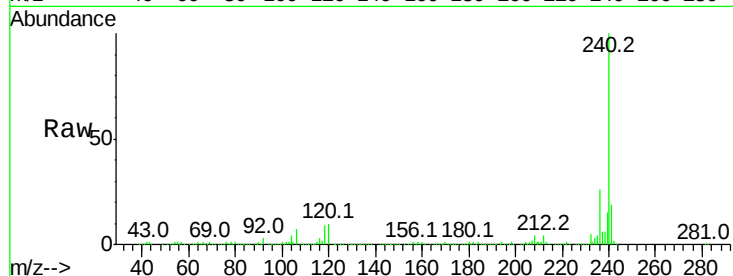
Tot Ion:240 Resp: 445388

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

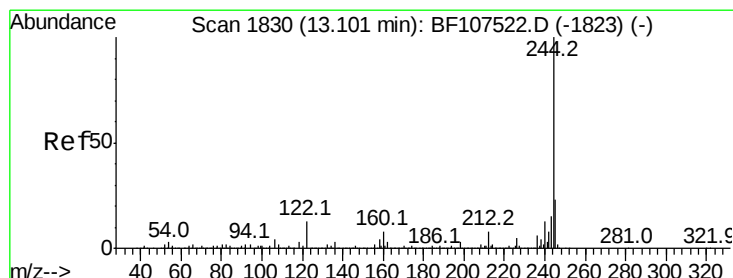
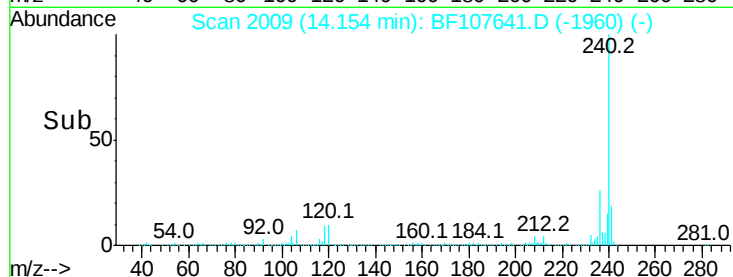
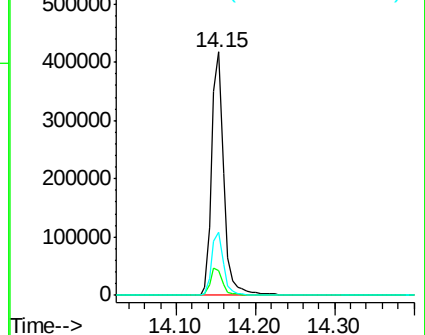
236 26.0 20.7 31.1



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: 90.682 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

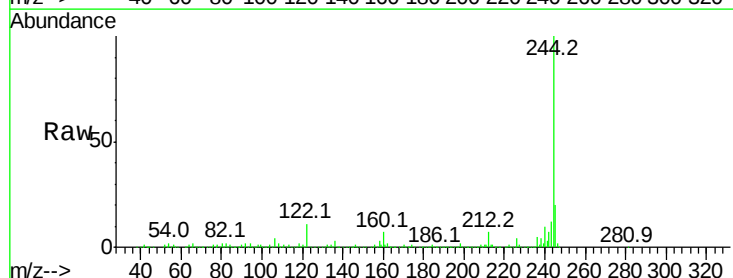
Tgt Ion:244 Resp: 1577634

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

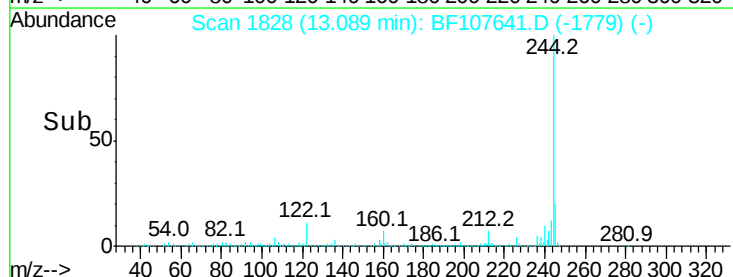
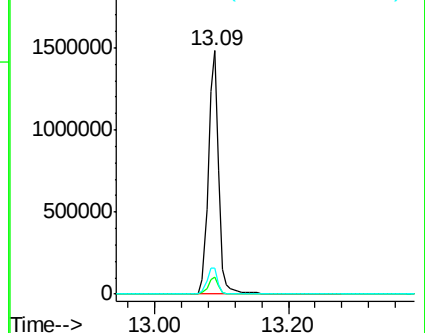
122 10.7 11.0 16.4#

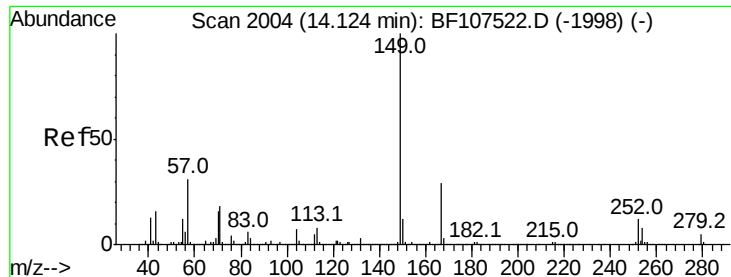


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.630 ng

RT: 14.01 min Scan# 1984

Delta R.T. -0.12 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

Instrument :

BNA_F

ClientSampleId :

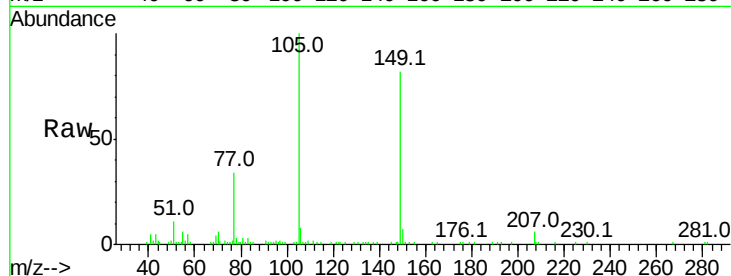
Tot Ion:149 Resp: 48628

Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

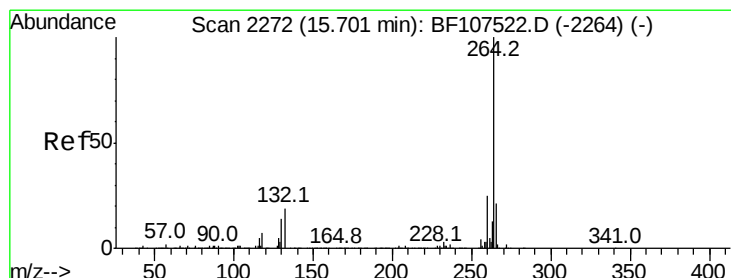
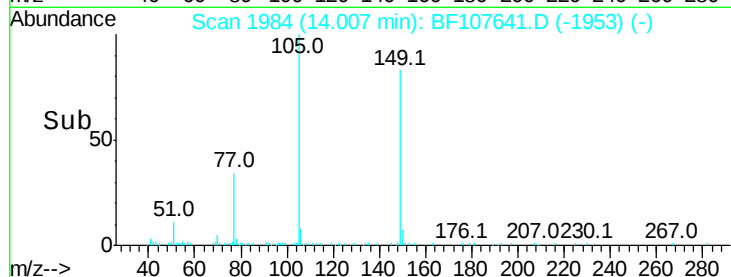
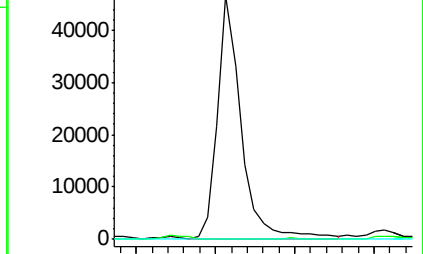
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF107641.D

Acq: 25 Jul 2018 3:05

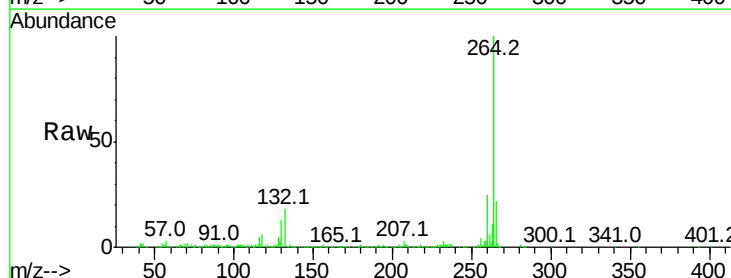
Tgt Ion:264 Resp: 343112

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 22.0 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

