

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107688.D
 Acq On : 26 Jul 2018 6:23
 Operator : JU/SJ
 Sample : J4133-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 07:54:09 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	192575	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	706283	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	274554	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	479001	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	362834	20.00	ng	-0.01
86) Perylene-d12	15.69	264	315244	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	435363	36.35	ng	-0.01
7) Phenol-d6	6.60	99	406019	28.23	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1186792	113.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	293840	94.12	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	2045405	165.88	ng	-0.01
78) Terphenyl-d14	13.09	244	1351472	95.36	ng	-0.01

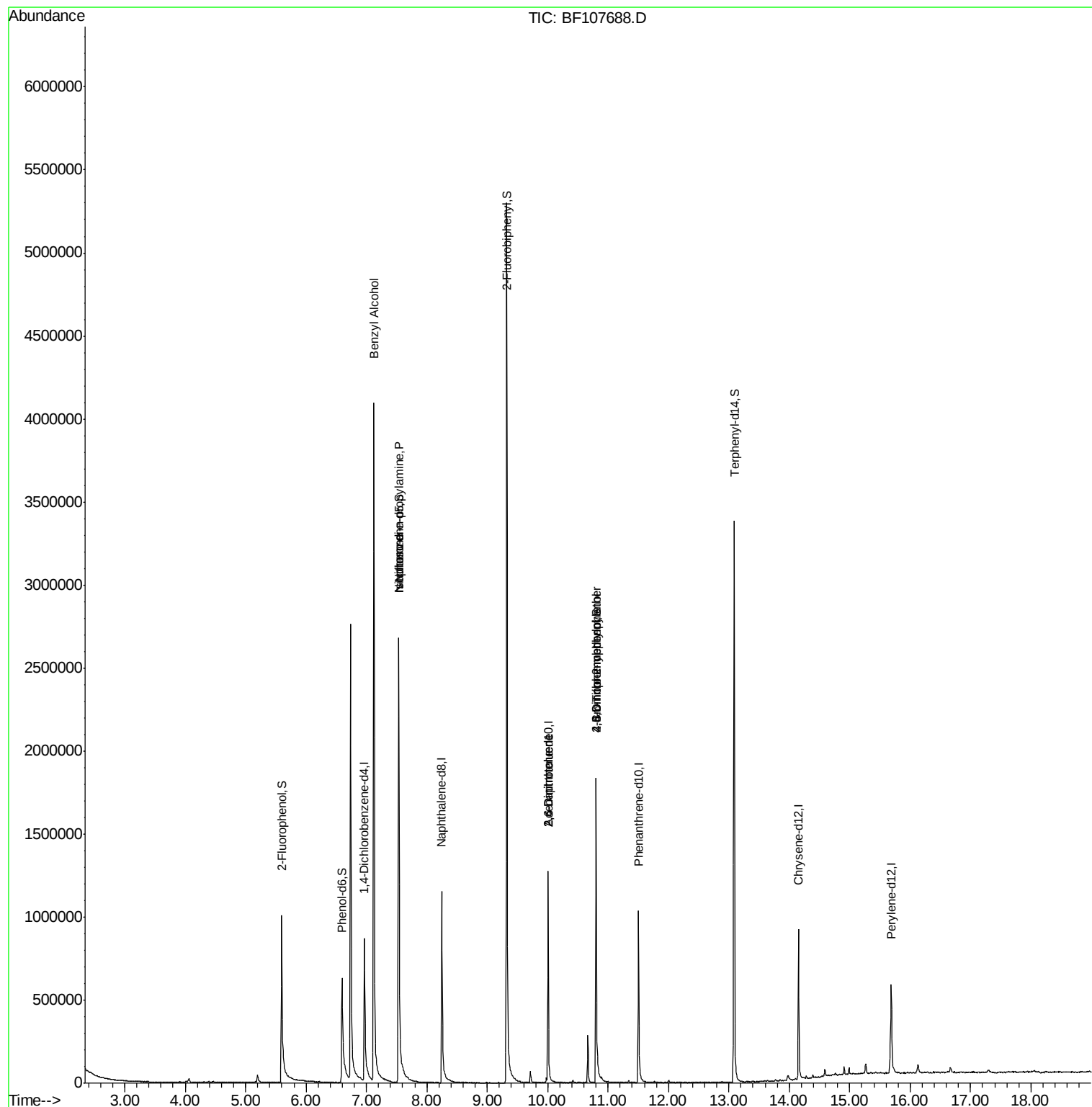
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	622	Below Cal	#	1
15) Benzyl Alcohol	7.12	79	19965	2.037	ng	# 46
19) n-Nitroso-di-n-propylamine	7.54	70	154808	16.662	ng	# 78
25) Isophorone	7.54	82	1186792	53.111	ng	# 64
50) 2,6-Dinitrotoluene	10.01	165	34783	8.467	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	34950	7.048	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	248	8.769	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	17424	3.090	ng	# 1
73) Di-n-butylphthalate	12.05	149	2198	Below Cal	#	78

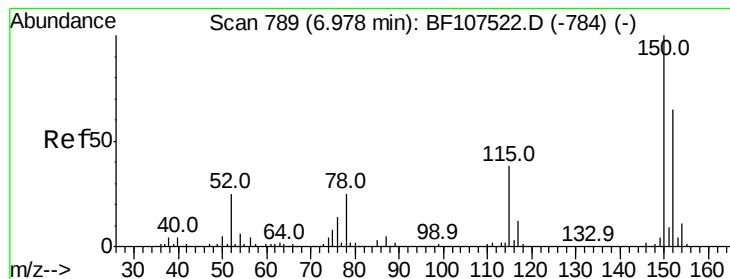
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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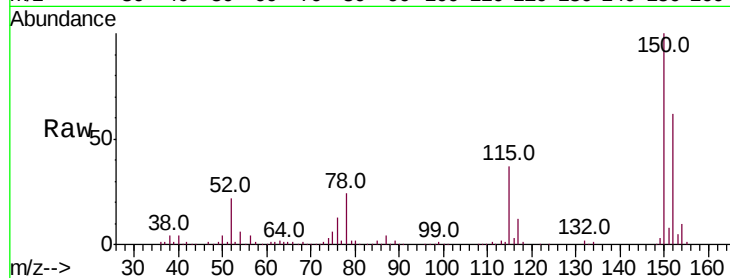


#1

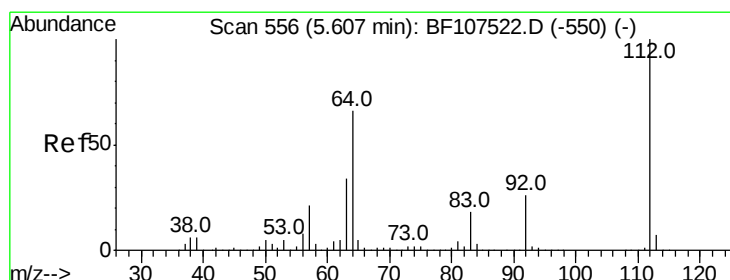
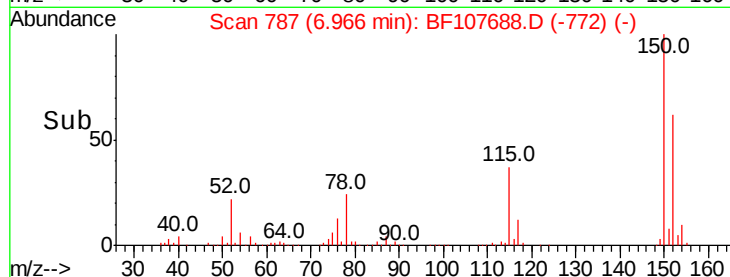
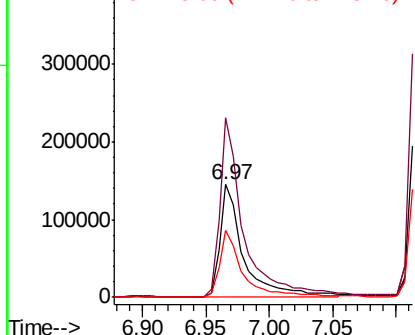
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107688.D
Acq: 26 Jul 2018 6:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	59.3	50.1	75.1



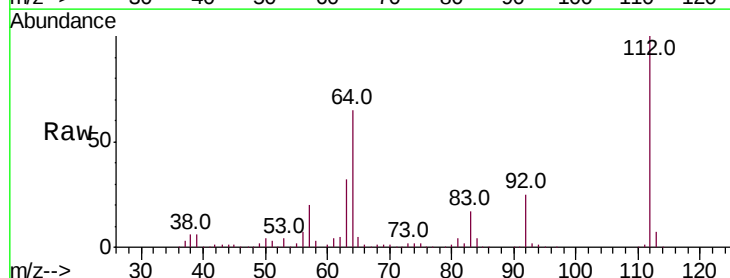
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



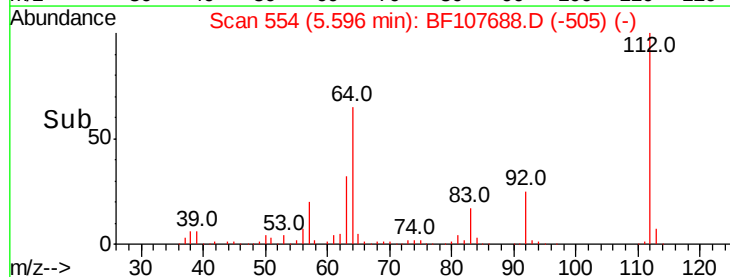
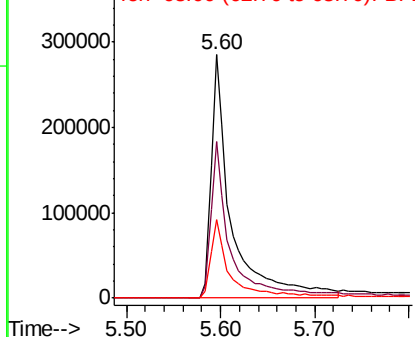
#5

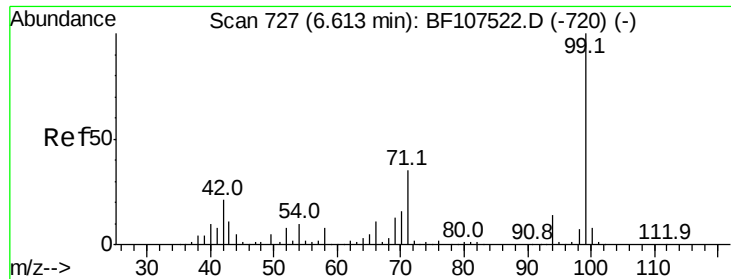
2-Fluorophenol
Concen: 36.348 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107688.D
Acq: 26 Jul 2018 6:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.231 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107688.D

Acq: 26 Jul 2018 6:23

Instrument :

BNA_F

ClientSampleId :

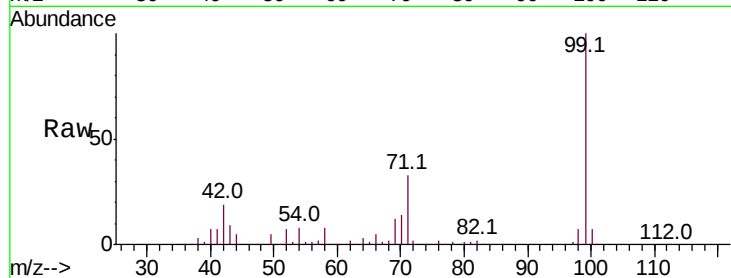
Tot Ion: 99 Resp: 406019

Ion Ratio Lower Upper

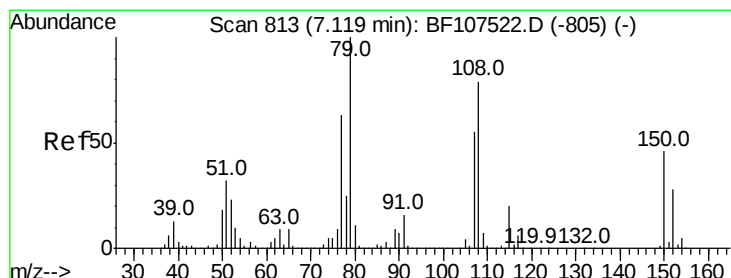
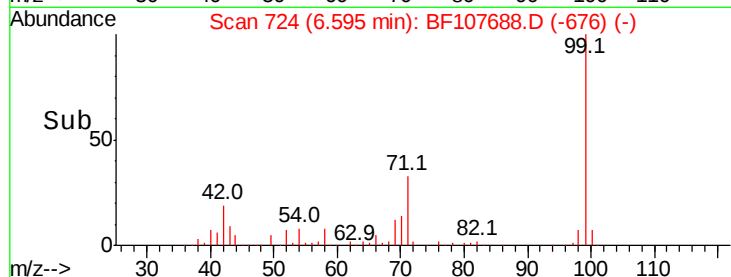
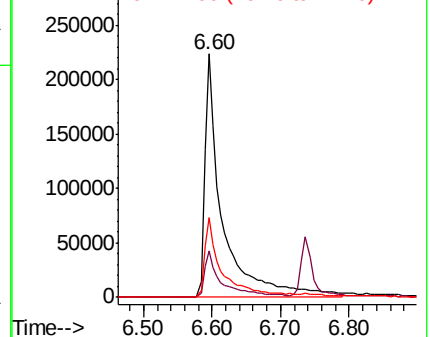
99 100

42 19.1 14.5 21.7

71 32.6 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



#15

Benzyl Alcohol

Concen: 2.037 ng

RT: 7.12 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF107688.D

Acq: 26 Jul 2018 6:23

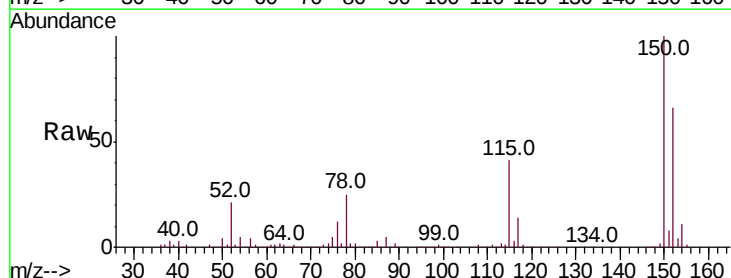
Tgt Ion: 79 Resp: 19965

Ion Ratio Lower Upper

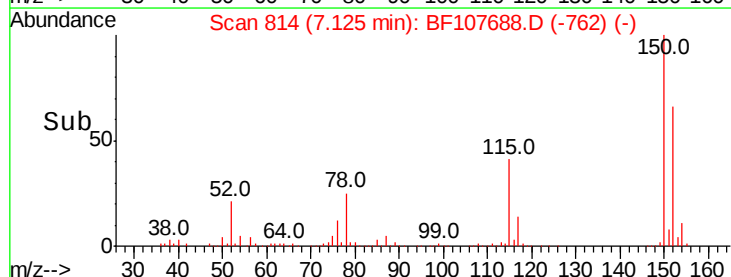
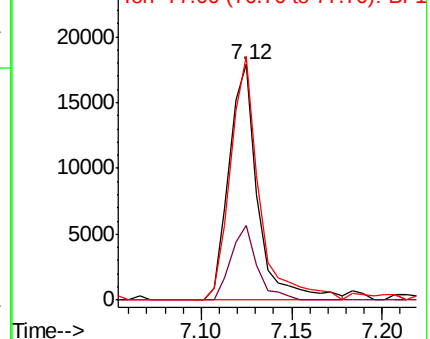
79 100

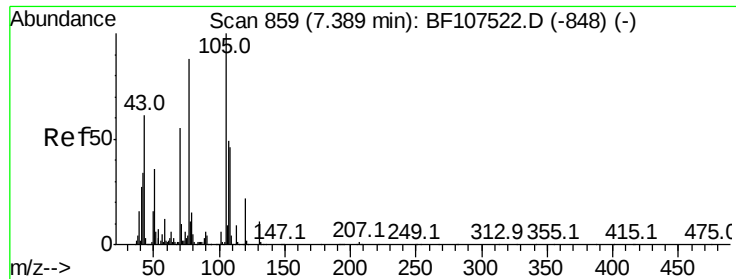
108 31.7 65.1 97.7#

77 103.4 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

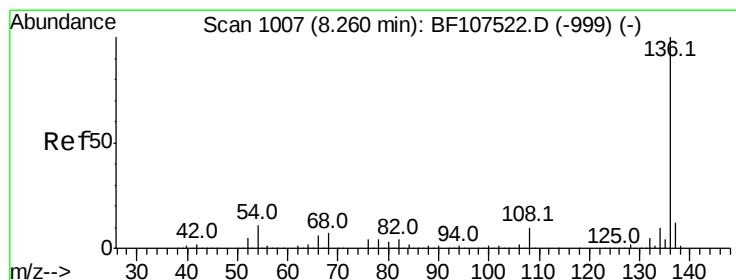
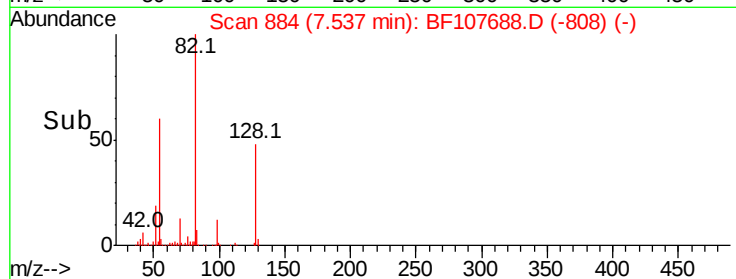
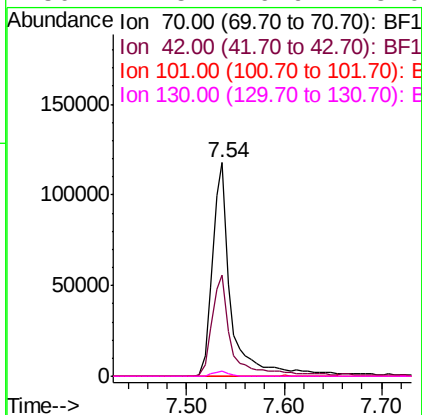
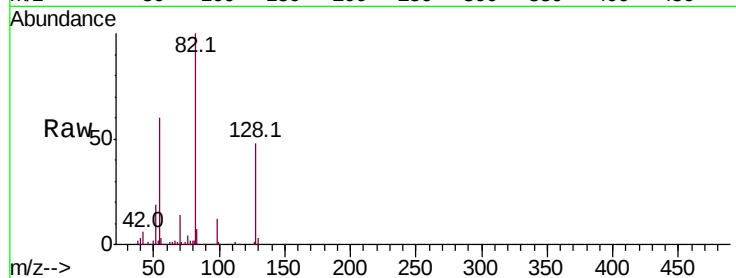




#19
n-Nitroso-di-n-propylamine
Concen: 16.662 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF107688.D
Acq: 26 Jul 2018 6:23

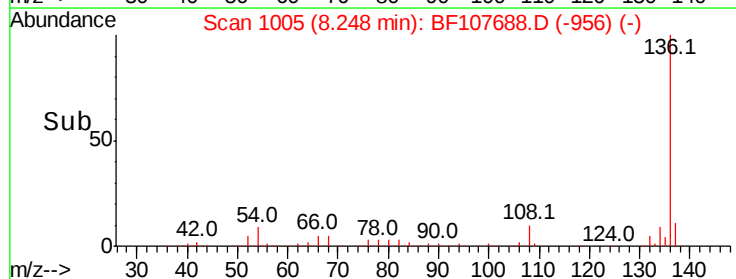
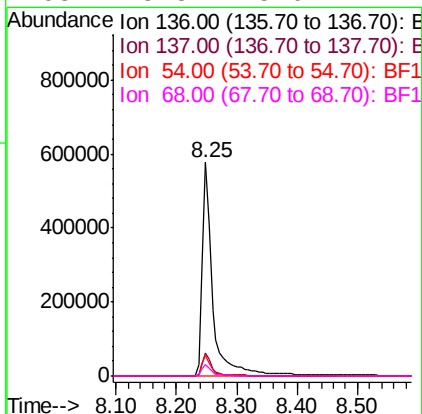
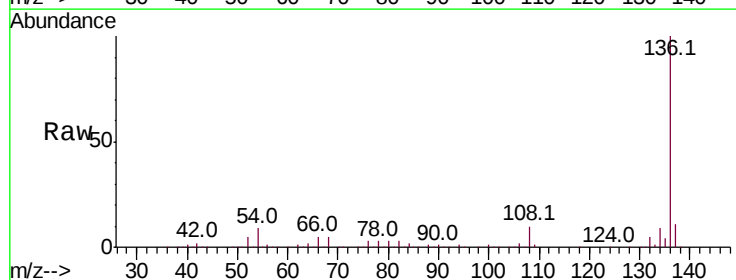
Instrument :
BNA_F
ClientSampleId :

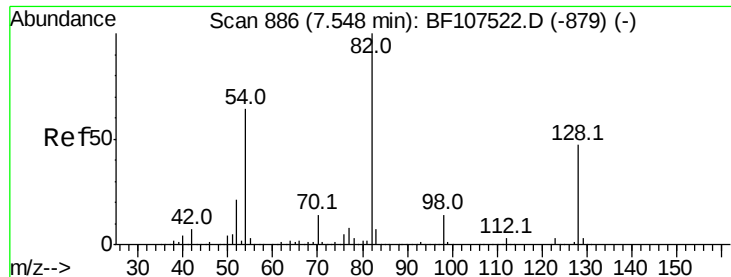
Tot Ion: 70 Resp: 154808
Ion Ratio Lower Upper
70 100
42 47.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107688.D
Acq: 26 Jul 2018 6:23

Tgt Ion:136 Resp: 706283
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.4 6.6 9.8
68 5.3 5.0 7.4

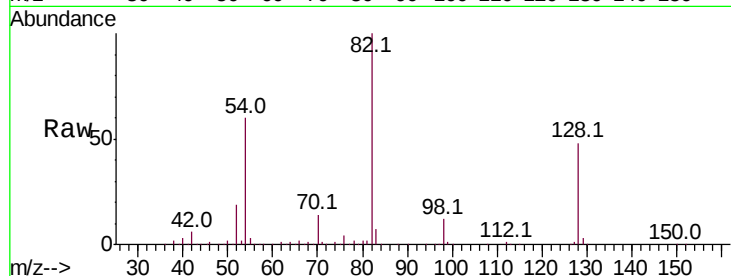




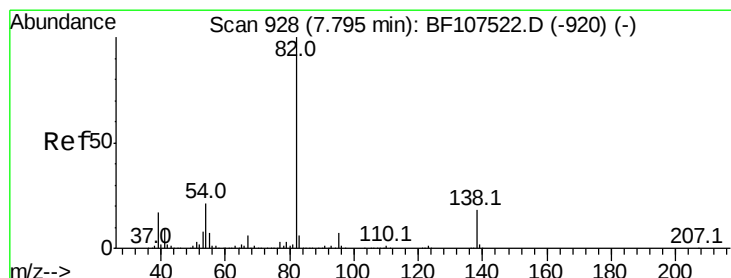
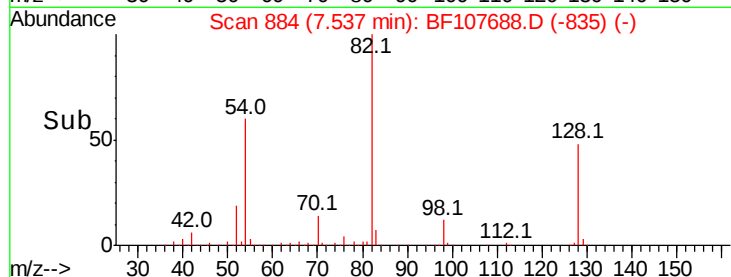
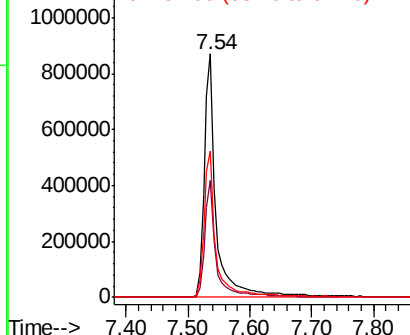
#23
Nitrobenzene-d5
Concen: 113.402 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107688.D
Acq: 26 Jul 2018 6:23

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1186792
Ion Ratio Lower Upper
82 100
128 48.0 36.1 54.1
54 59.9 41.4 62.2

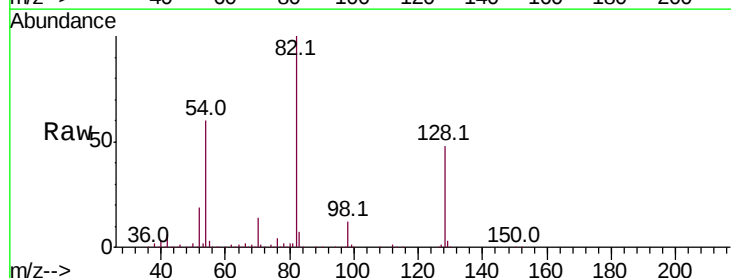


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

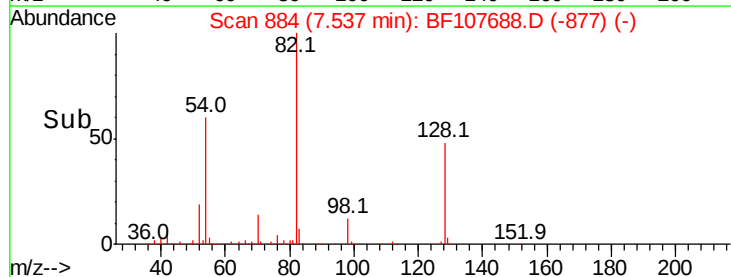
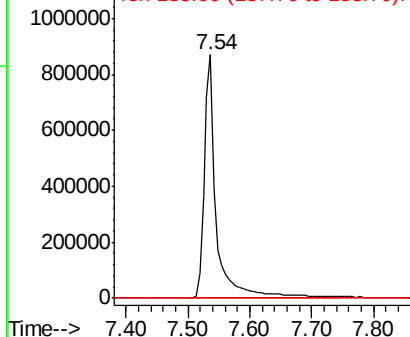


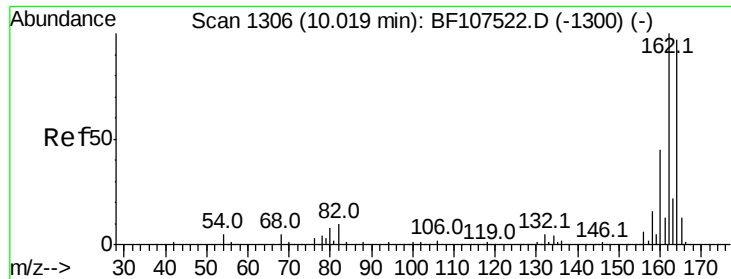
#25
Isophorone
Concen: 53.111 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF107688.D
Acq: 26 Jul 2018 6:23

Tgt Ion: 82 Resp: 1186792
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

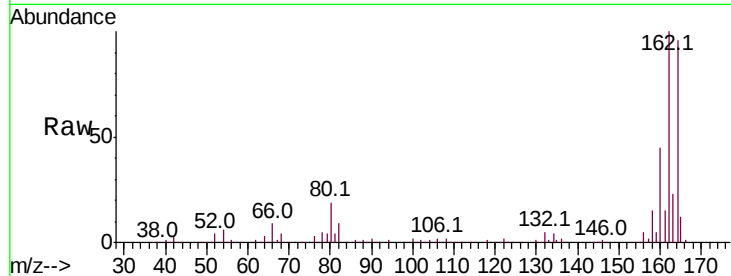




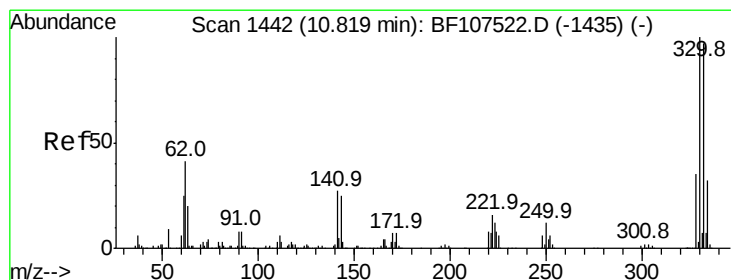
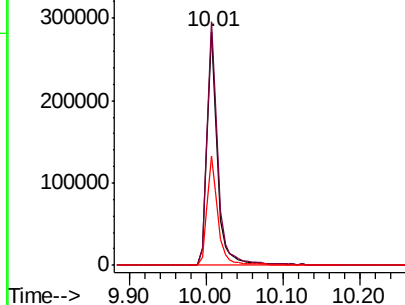
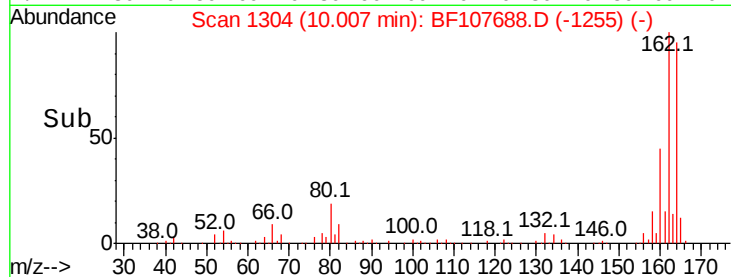
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 274554
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 46.9 38.3 57.5

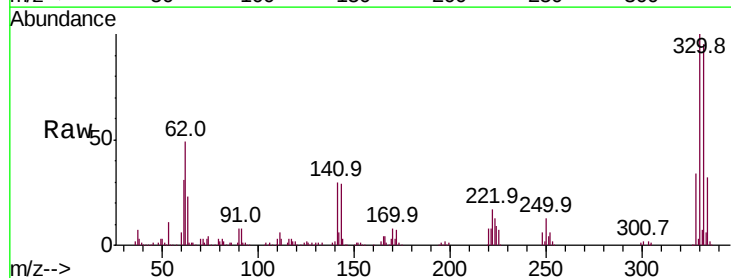


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

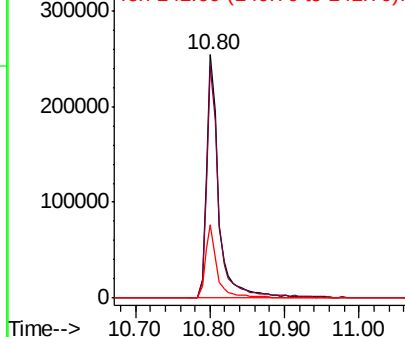
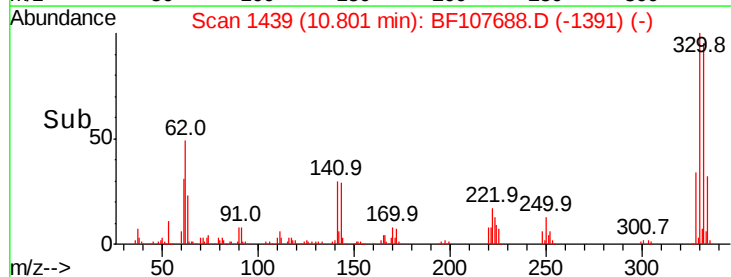


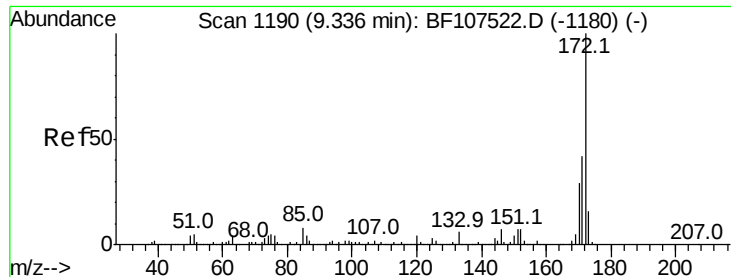
#41
 2,4,6-Tribromophenol
 Concen: 94.116 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Tgt Ion:330 Resp: 293840
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 29.5 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



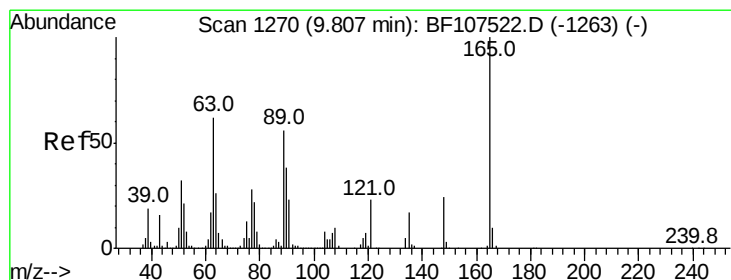
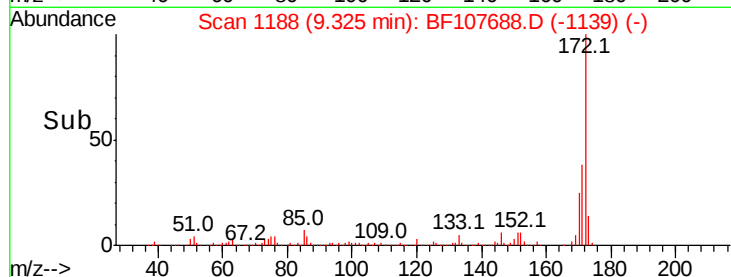
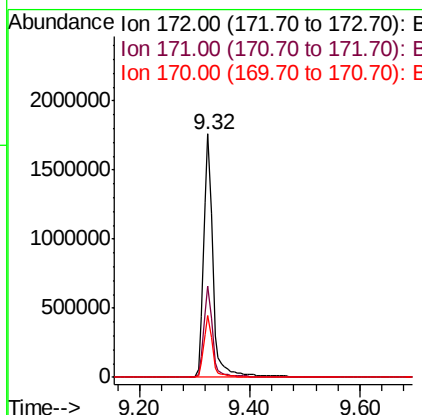
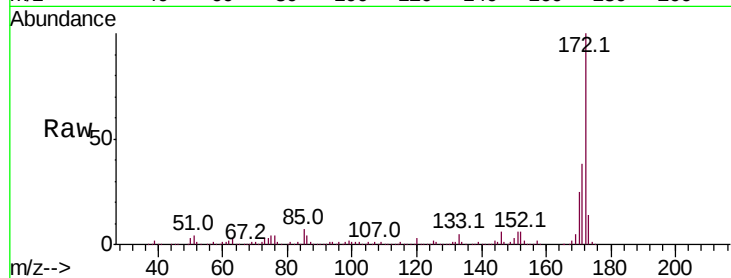


#44
 2-Fluorobiphenyl
 Concen: 165.876 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2045405

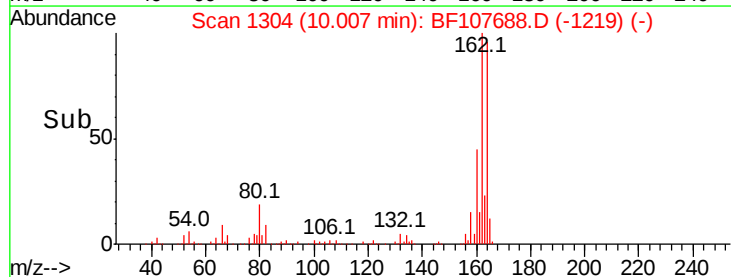
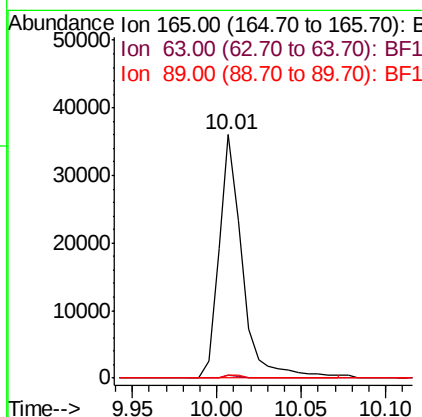
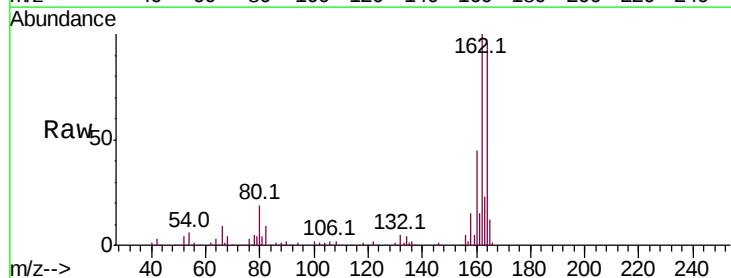
Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.7	44.5
170	25.5	19.6	29.4

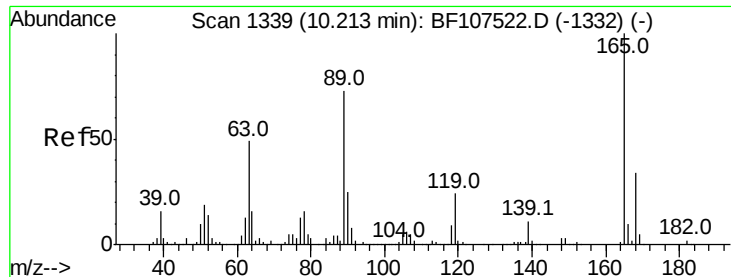


#50
 2,6-Dinitrotoluene
 Concen: 8.467 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Tgt Ion:165 Resp: 34783

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.2	44.0	66.0#

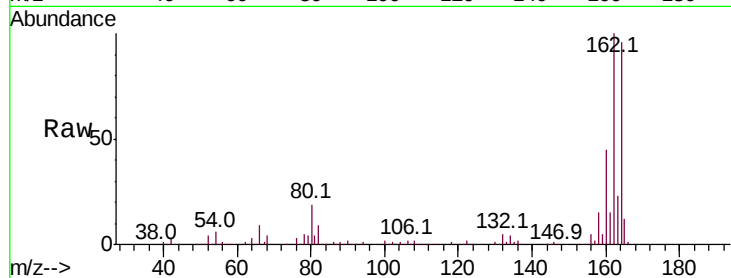




#56
 2,4-Dinitrotoluene
 Concen: 7.048 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	34950
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

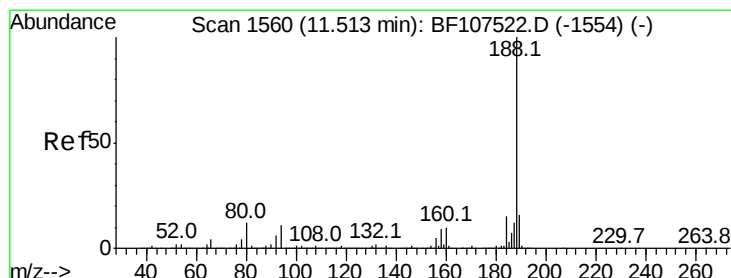
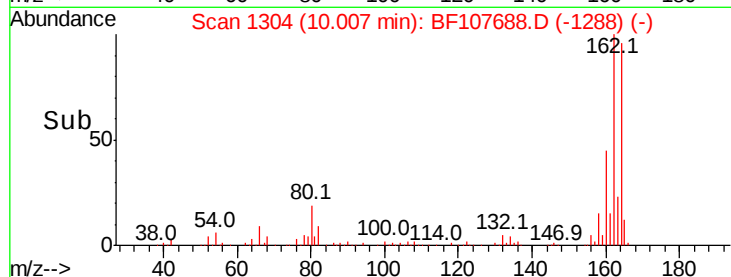
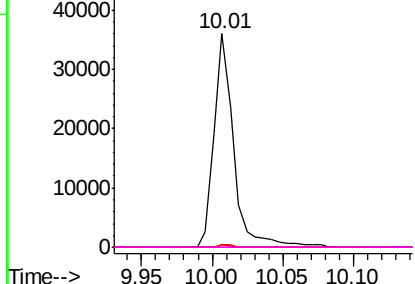


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

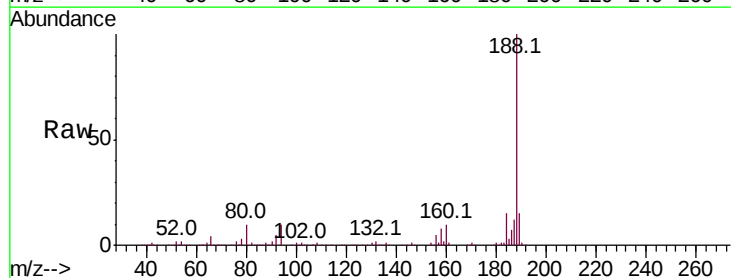
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

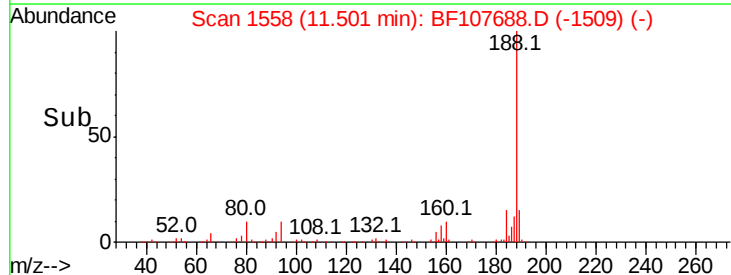
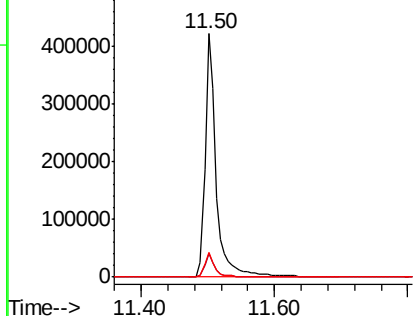
Tgt Ion:	188	Resp:	479001
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.0	9.2	13.8

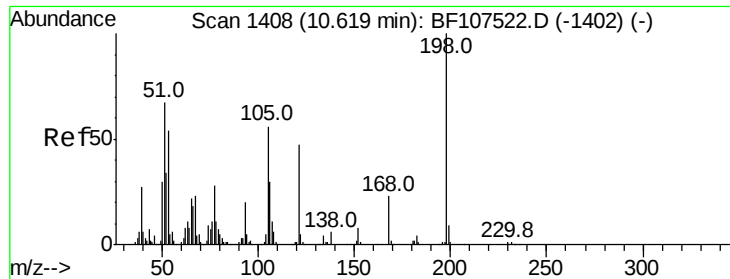


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

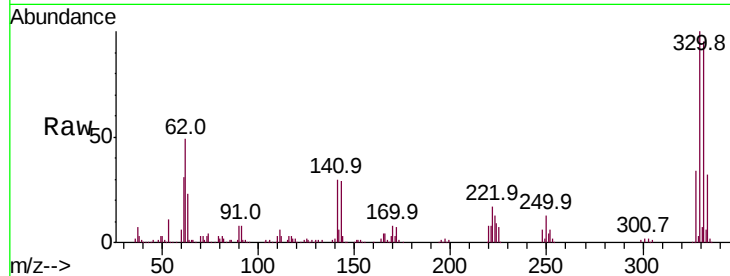




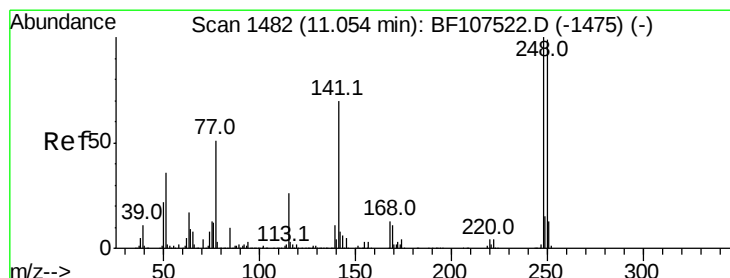
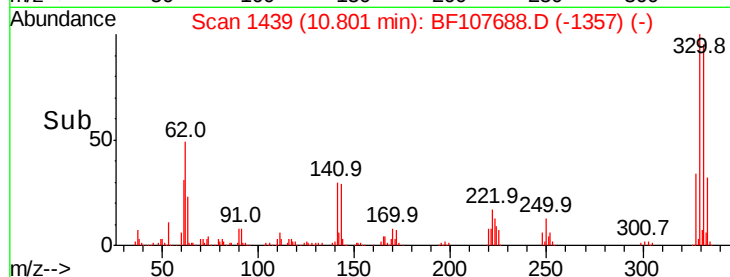
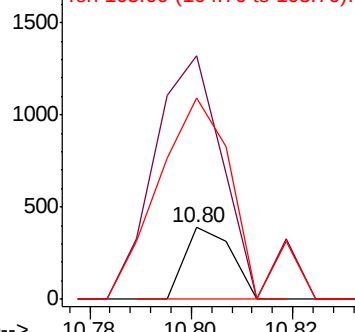
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.769 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.18 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 248
 Ion Ratio Lower Upper
 198 100
 51 339.6 37.7 77.7#
 105 281.0 36.3 76.3#

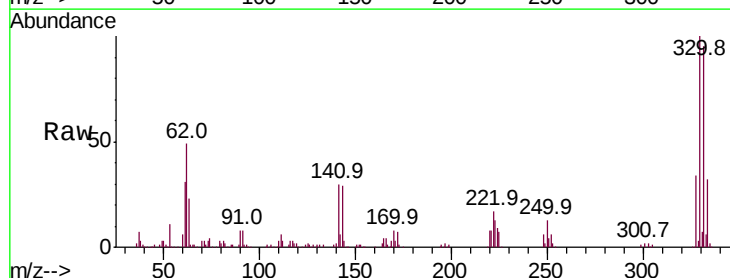


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

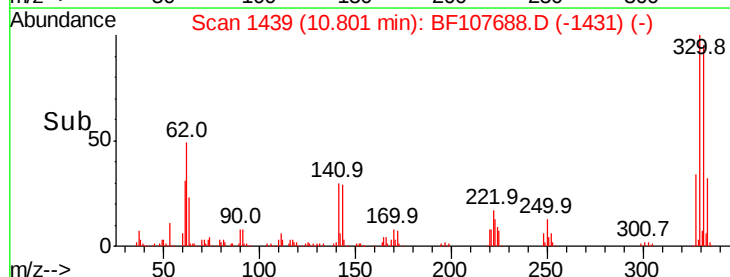
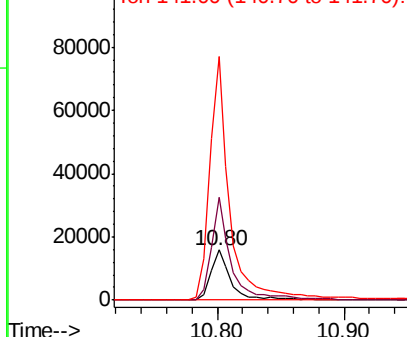


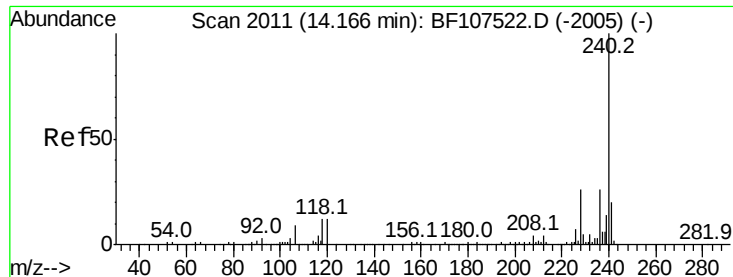
#66
 4-Bromophenyl-phenylether
 Concen: 3.090 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Tgt Ion:248 Resp: 17424
 Ion Ratio Lower Upper
 248 100
 250 204.2 76.9 115.3#
 141 484.5 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: BF107688.D

Acq: 26 Jul 2018 6:23

Instrument :

BNA_F

ClientSampleId :

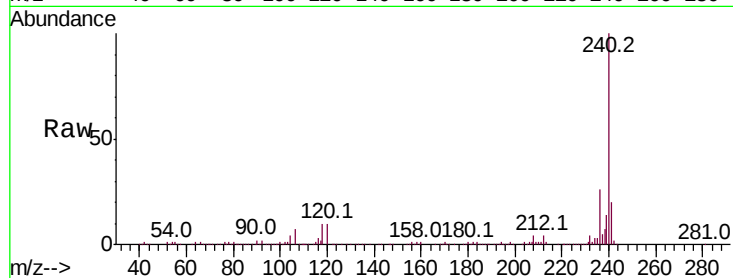
Tot Ion:240 Resp: 362834

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

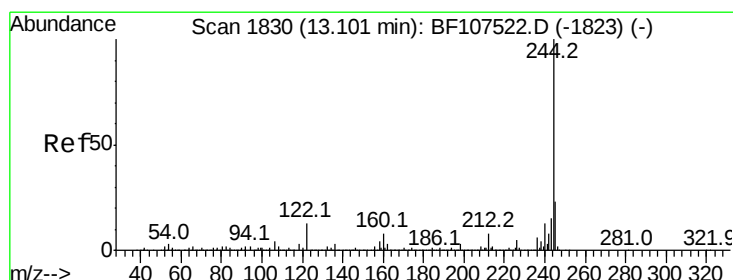
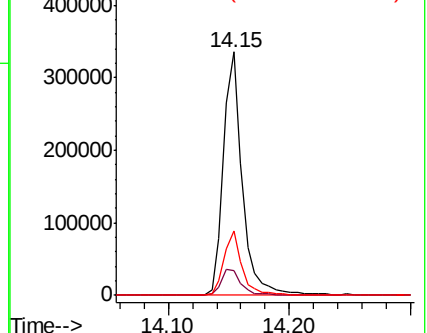
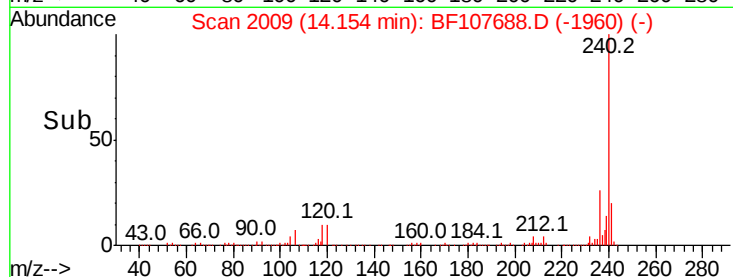
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 95.357 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107688.D

Acq: 26 Jul 2018 6:23

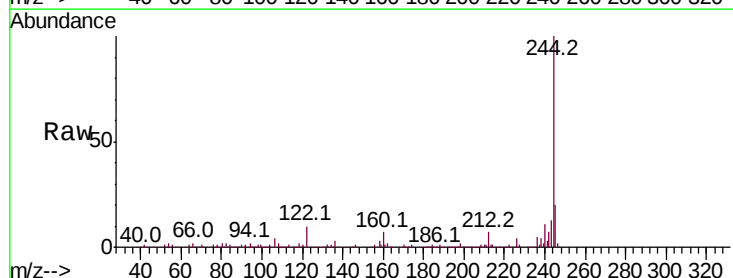
Tgt Ion:244 Resp: 1351472

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

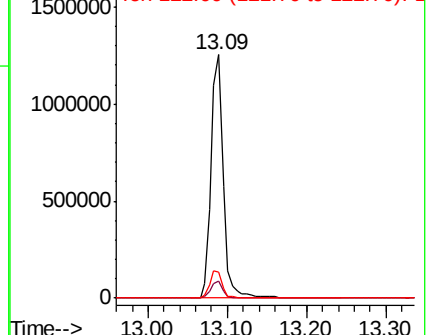
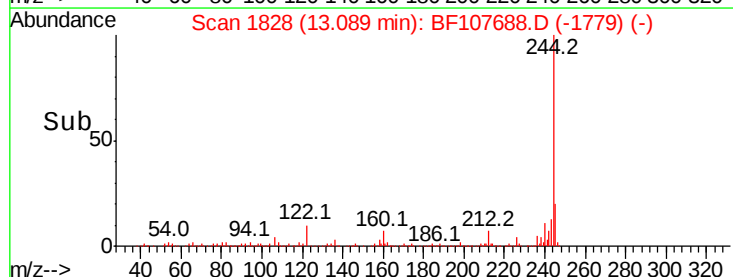
122 10.5 11.0 16.4#

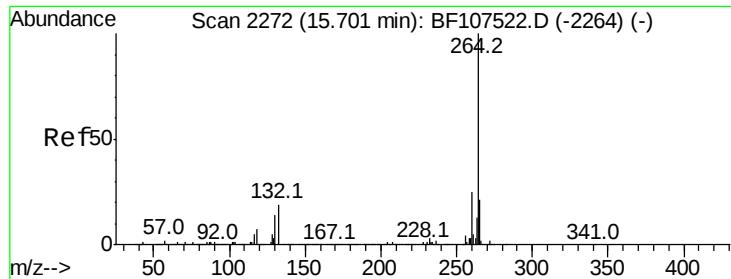


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

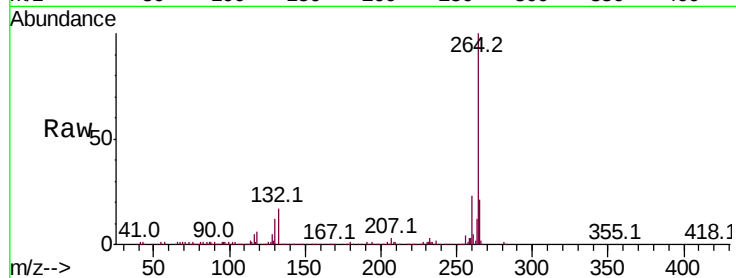




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF107688.D
 Acq: 26 Jul 2018 6:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	20.9	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

