

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108544.D
 Acq On : 28 Aug 2018 7:18
 Operator : JU/SJ
 Sample : PB112391BL
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 08:36:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

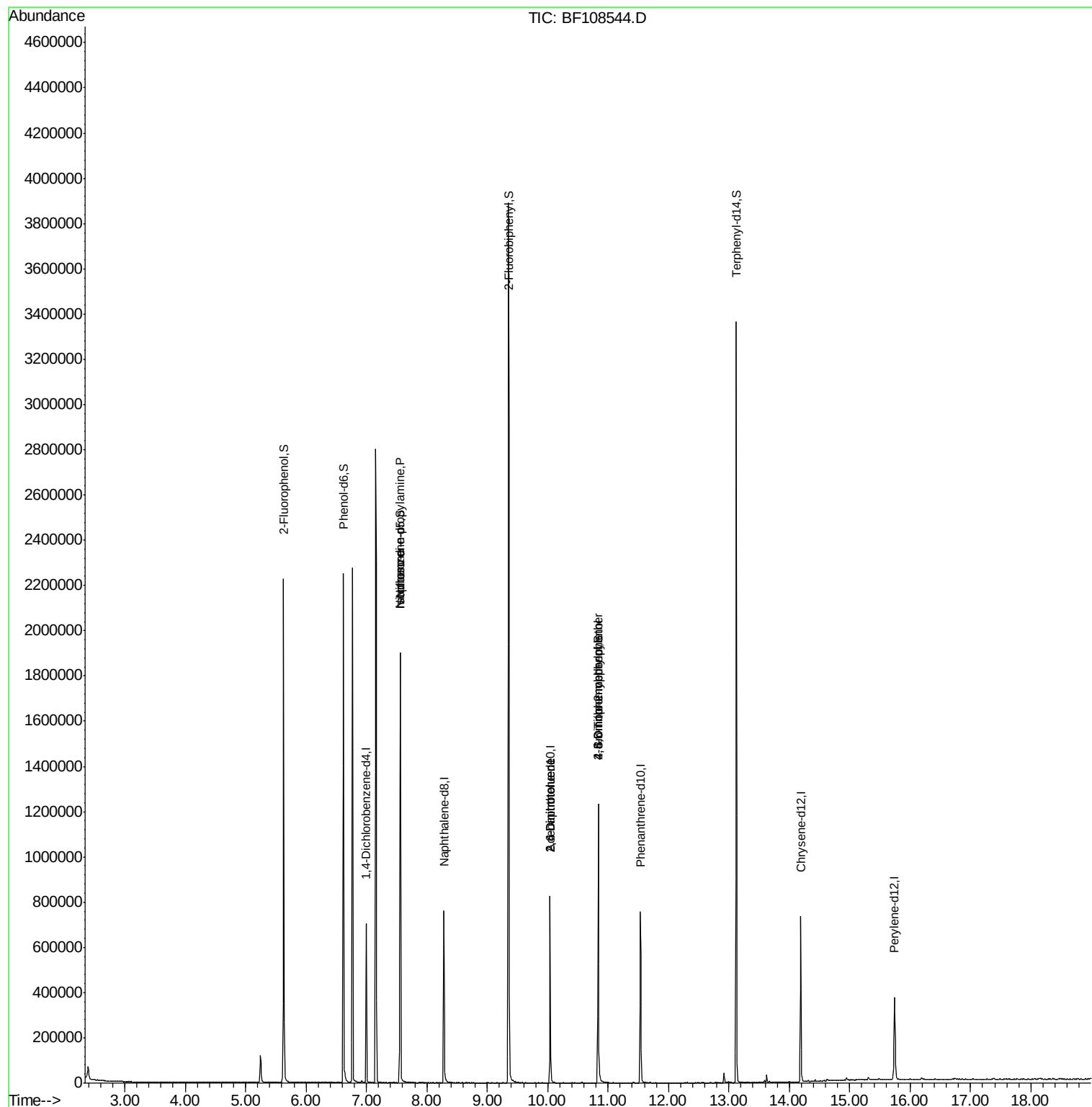
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	105679	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	365738	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	159851	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	290538	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	265869	20.00	ng	-0.01
86) Perylene-d12	15.74	264	201648	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	552192	94.60	ng	0.00
7) Phenol-d6	6.62	99	718191	92.59	ng	-0.01
23) Nitrobenzene-d5	7.56	82	694838	106.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	156844	98.37	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1238177	124.36	ng	-0.01
78) Terphenyl-d14	13.12	244	1091556	104.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	92464	17.628	ng	# 82
25) Isophorone	7.56	82	694834	55.619	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	20122	8.637	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	20122	6.710	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	313	5.614	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	10247	3.245	ng	# 1

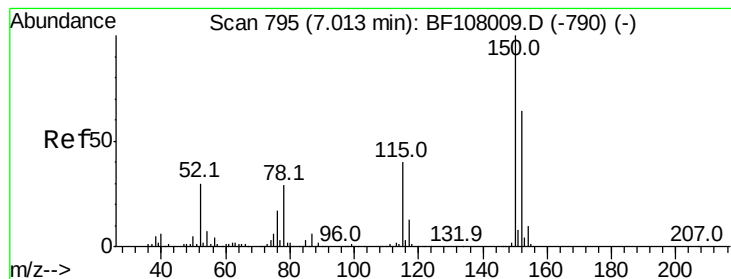
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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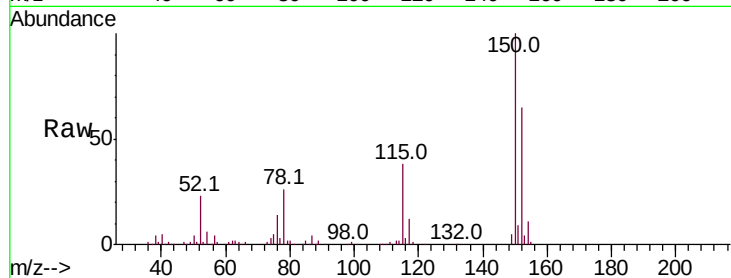


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108544.D
Acq: 28 Aug 2018 7:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	57.9	50.1	75.1

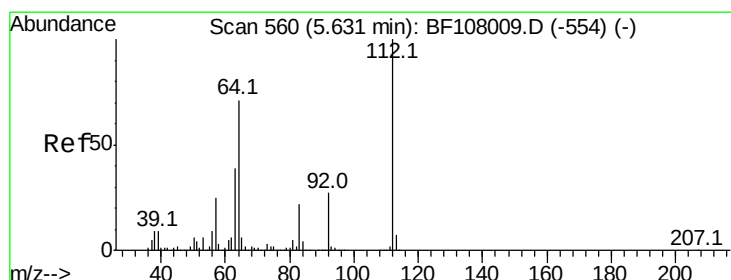
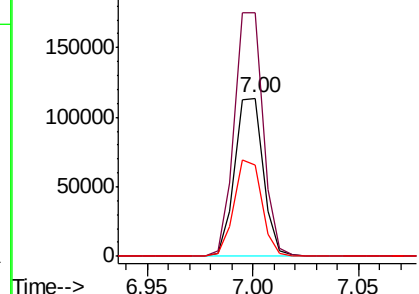
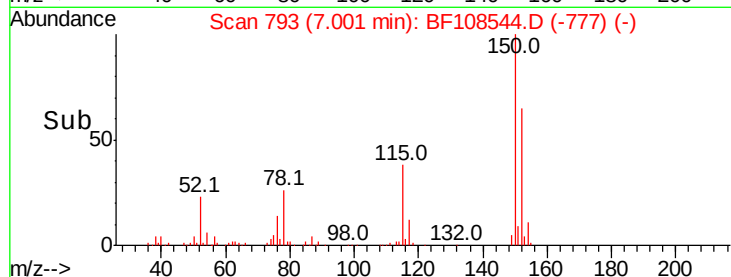


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

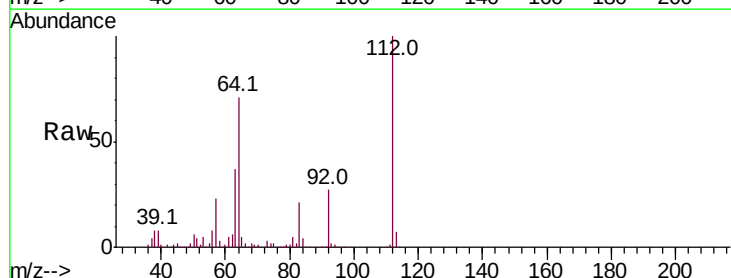
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.600 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108544.D
Acq: 28 Aug 2018 7:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	47.9	71.9
63	37.2	23.7	35.5

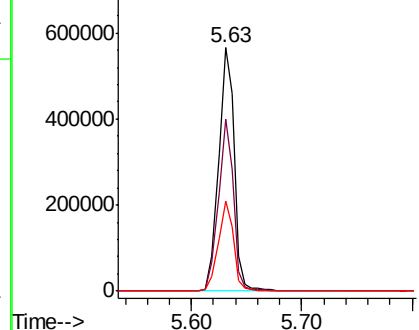
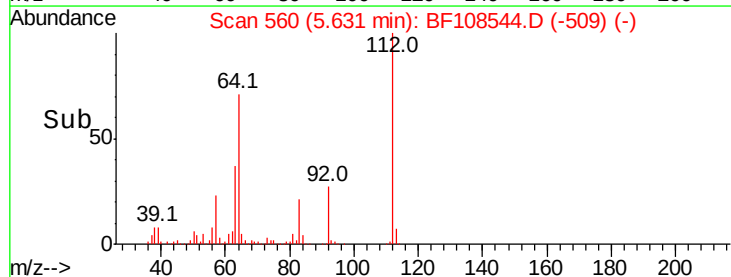


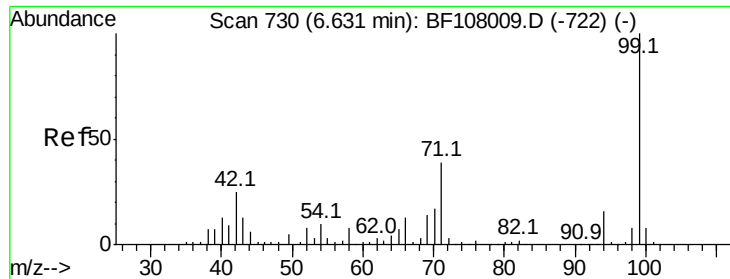
Abundance

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: 92.589 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108544.D

Acq: 28 Aug 2018 7:18

Instrument :

BNA_F

ClientSampled :

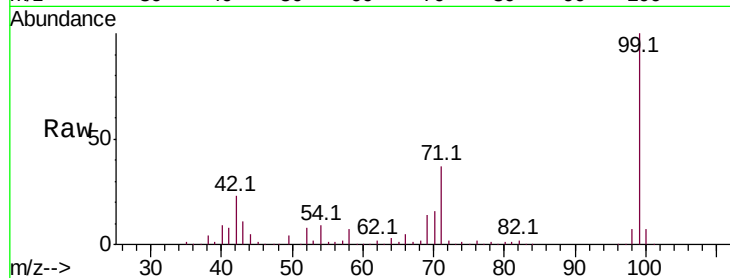
Tot Ion: 99 Resp: 718191

Ion Ratio Lower Upper

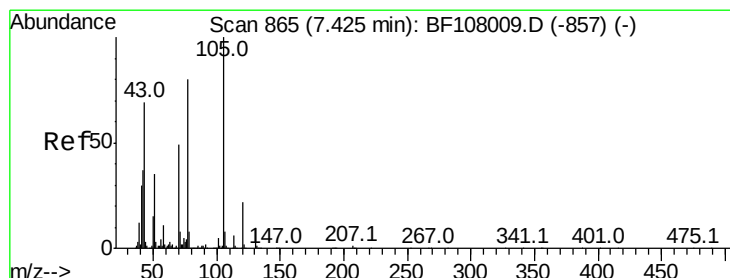
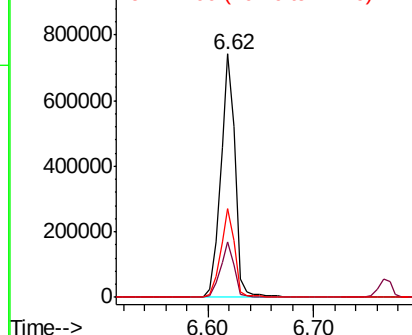
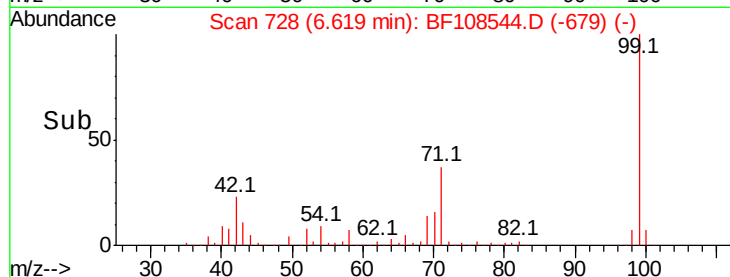
99 100

42 22.9 14.5 21.7#

71 36.7 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: 17.628 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108544.D

Acq: 28 Aug 2018 7:18

Tgt Ion: 70 Resp: 92464

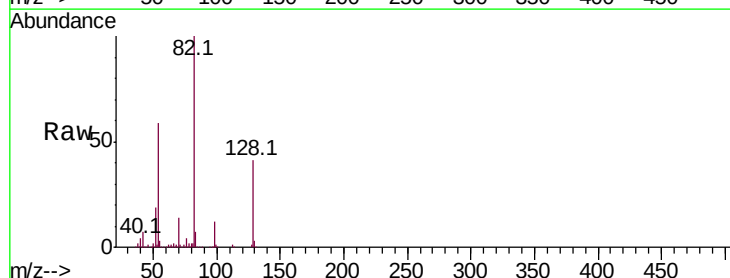
Ion Ratio Lower Upper

70 100

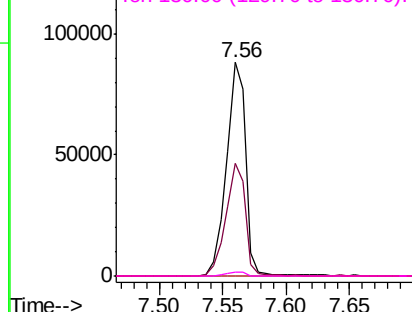
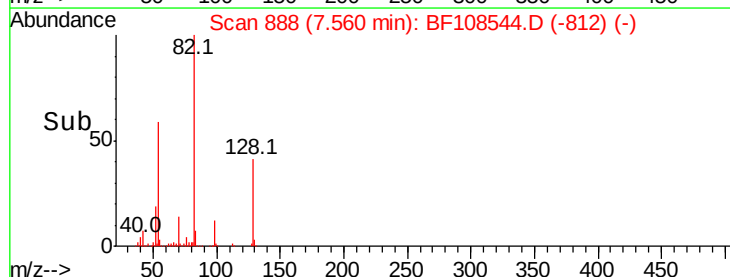
42 52.8 47.5 71.3

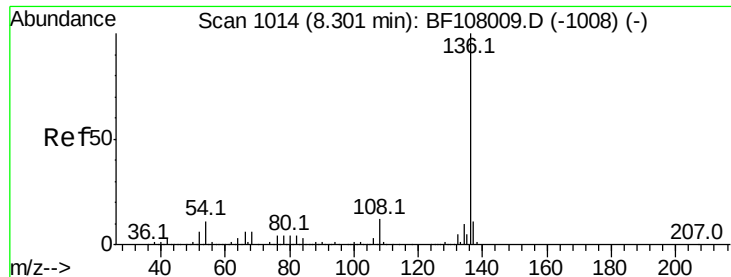
101 0.0 7.4 11.2#

130 1.7 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

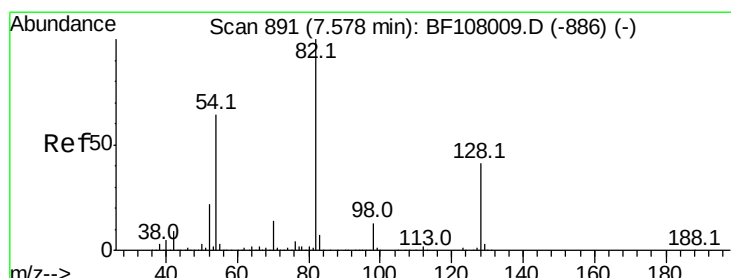
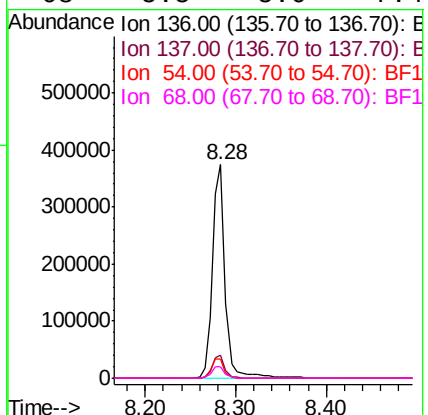
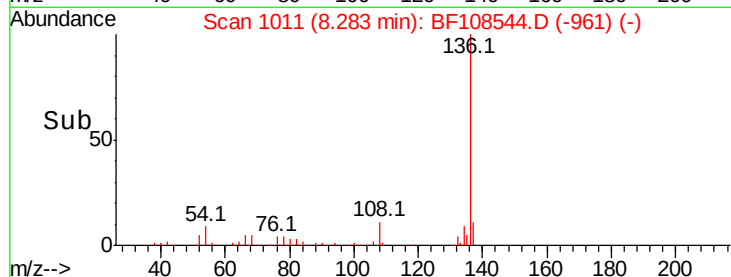
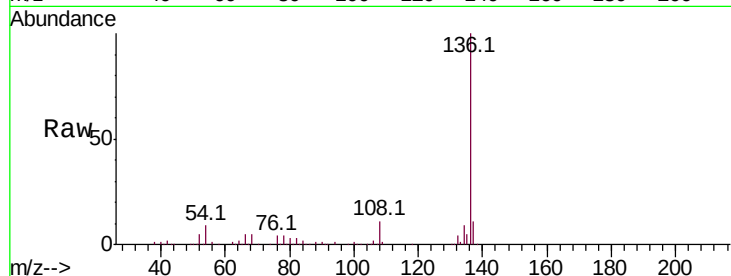




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108544.D
Acq: 28 Aug 2018 7:18

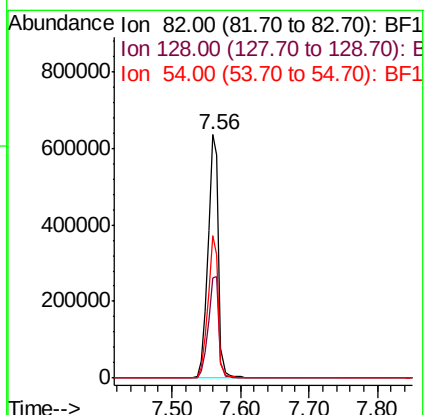
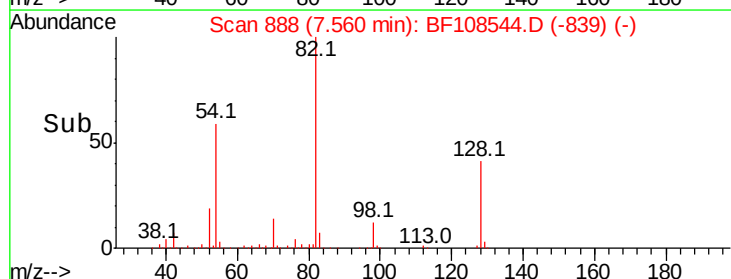
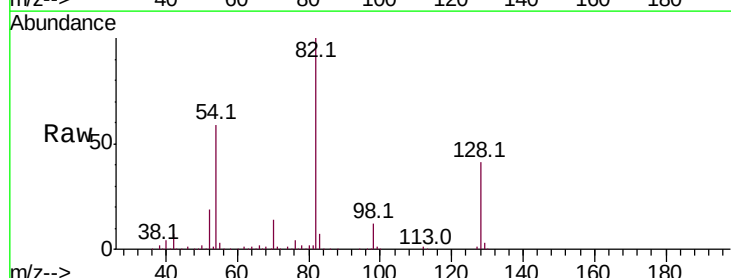
Instrument :
BNA_F
ClientSampled :

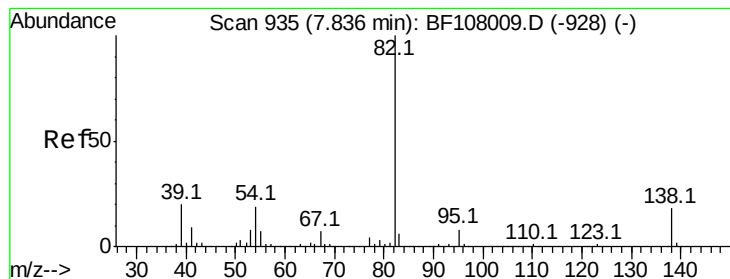
Tot Ion:136	Resp:	365738
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	9.1	6.6 9.8
68	5.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 106.013 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108544.D
Acq: 28 Aug 2018 7:18

Tgt Ion: 82	Resp:	694838
Ion	Ratio	Lower Upper
82	100	
128	41.4	36.1 54.1
54	58.6	41.4 62.2





#25

Isophorone

Concen: 55.619 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108544.D

Acq: 28 Aug 2018 7:18

Instrument :

BNA_F

ClientSampleId :

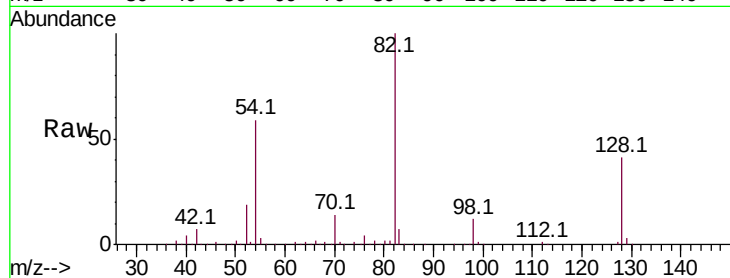
Tot Ion: 82 Resp: 694834

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

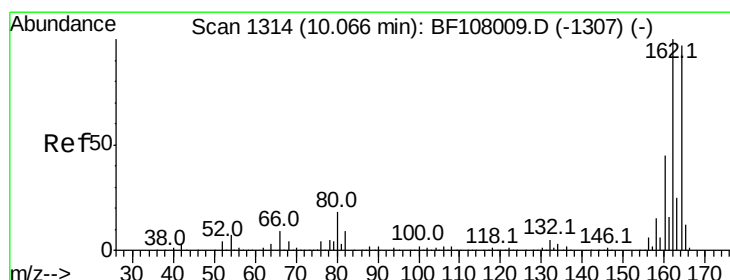
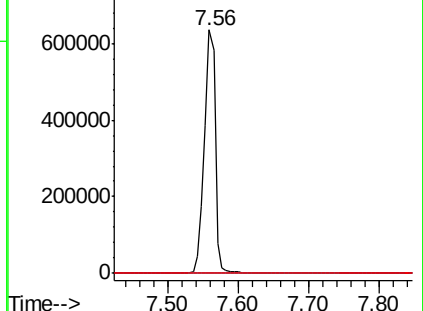
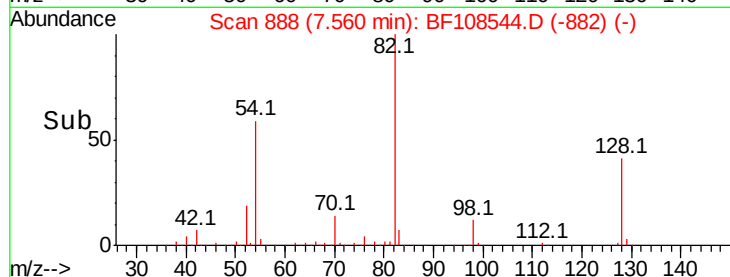
138 0.0 14.9 22.3#



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108544.D

Acq: 28 Aug 2018 7:18

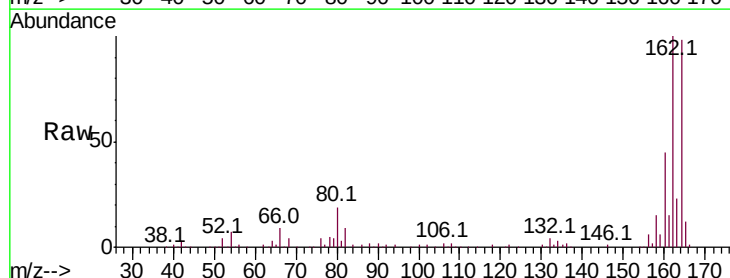
Tgt Ion:164 Resp: 159851

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

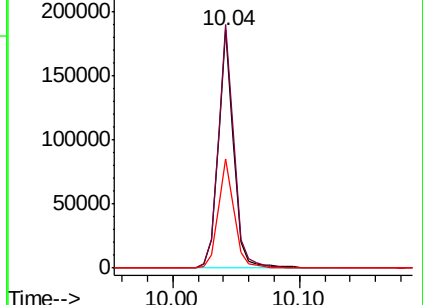
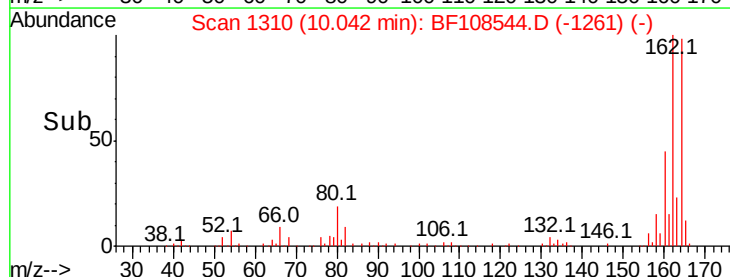
160 45.7 38.3 57.5

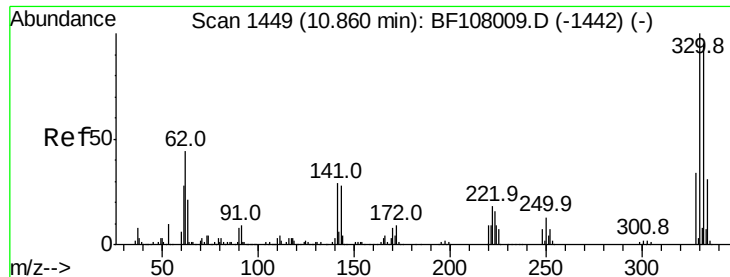


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

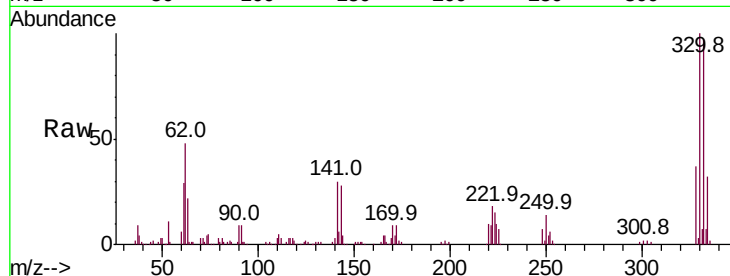




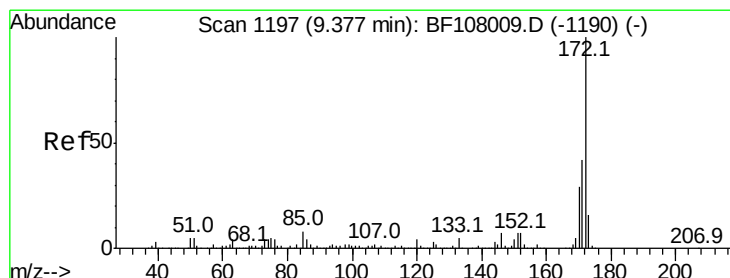
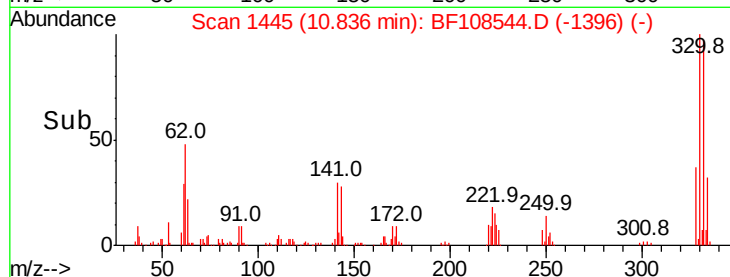
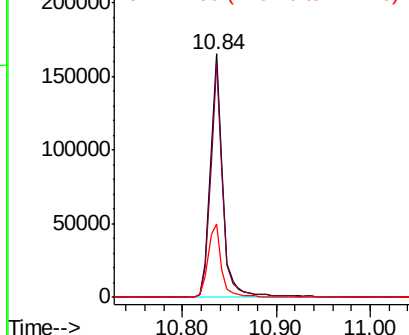
#41
 2,4,6-Tribromophenol
 Concen: 98.367 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	32.2	29.9	44.9

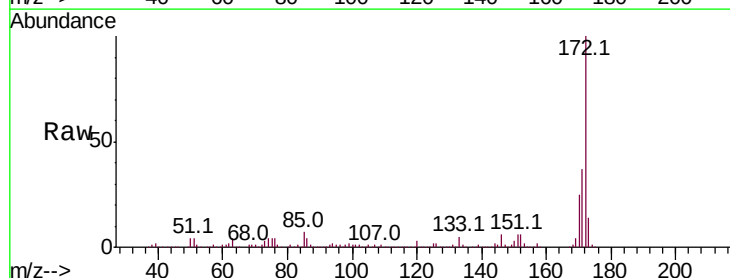


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

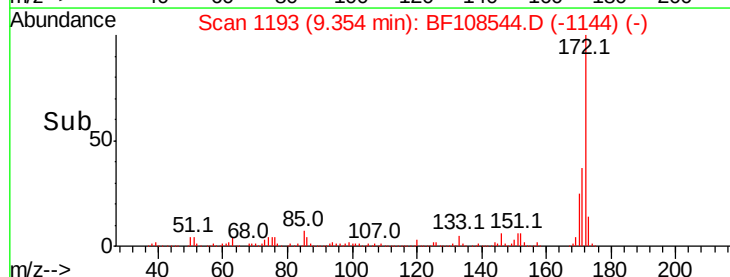
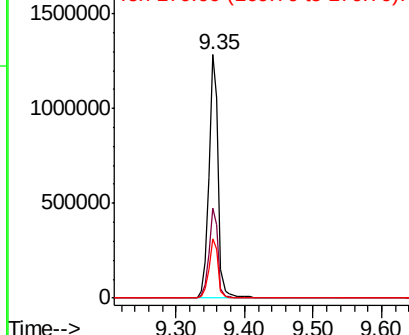


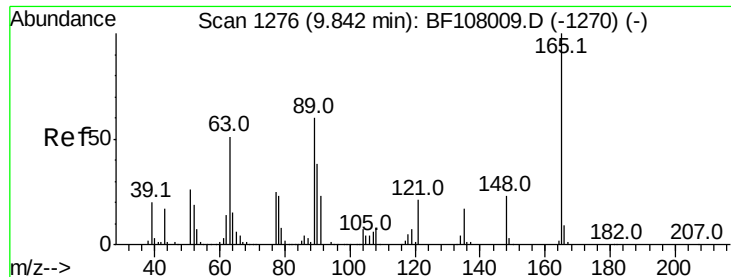
#44
 2-Fluorobiphenyl
 Concen: 124.357 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.5	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

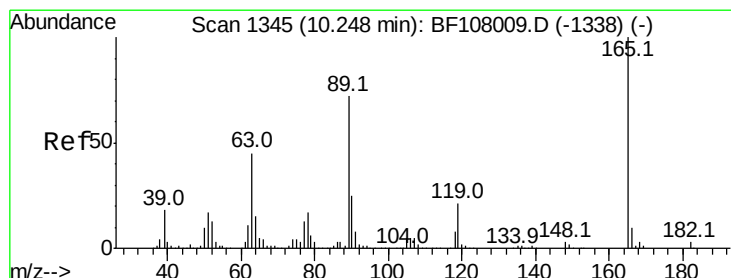
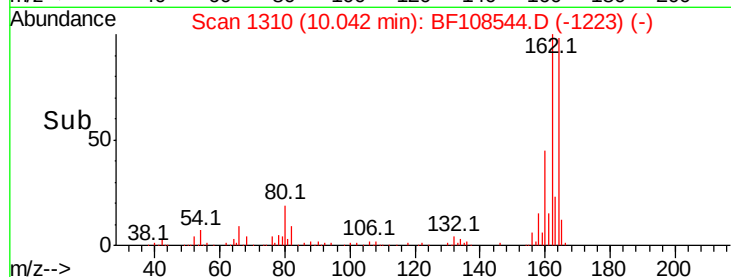
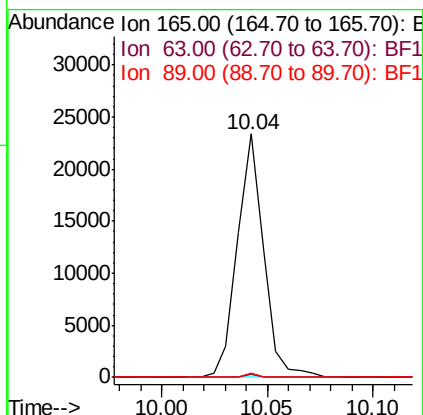
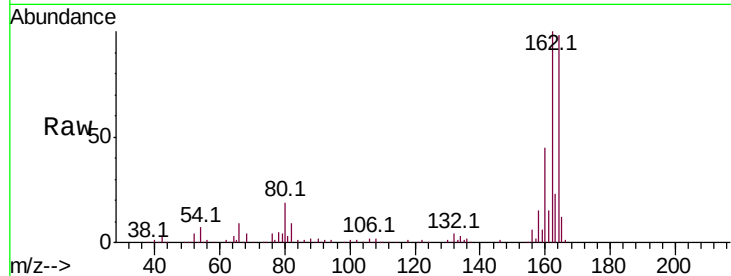




#50
 2,6-Dinitrotoluene
 Concen: 8.637 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

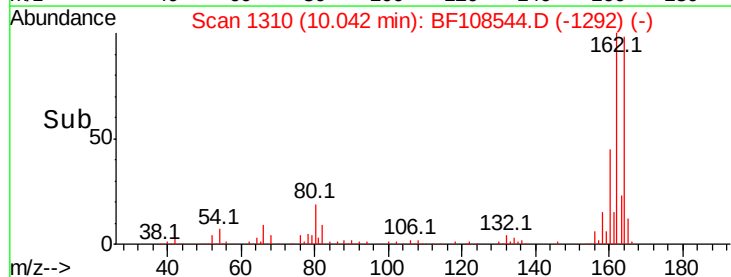
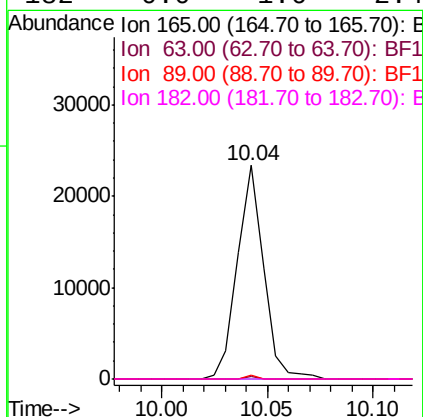
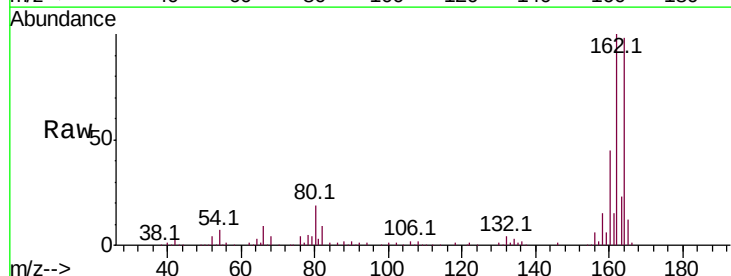
Instrument :
 BNA_F
 ClientSampleId :

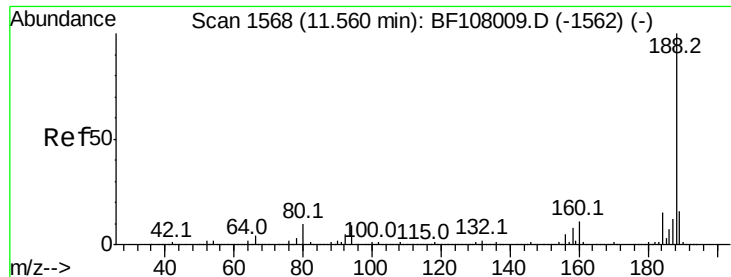
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.710 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

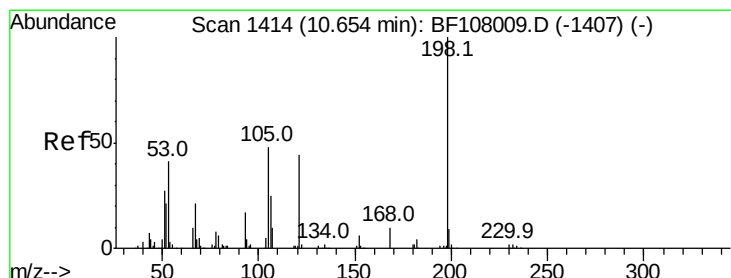
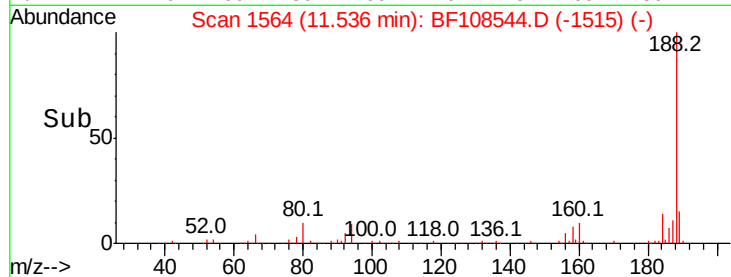
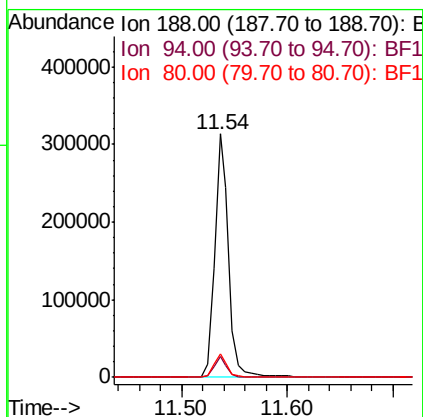
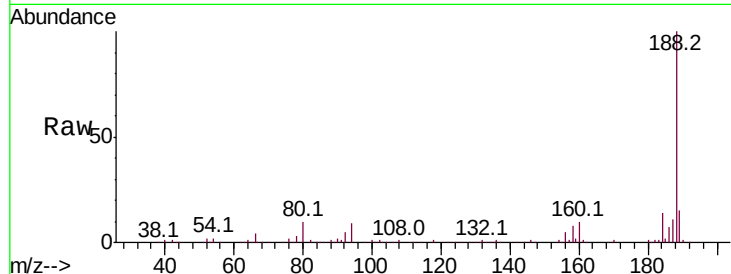




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

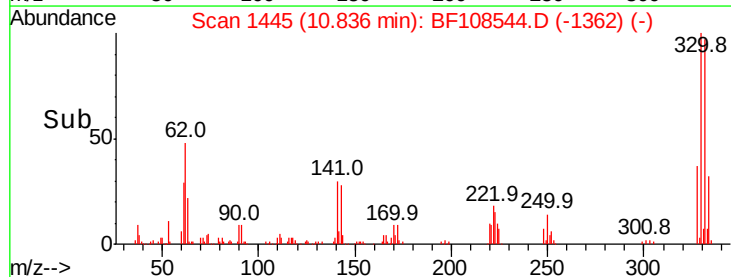
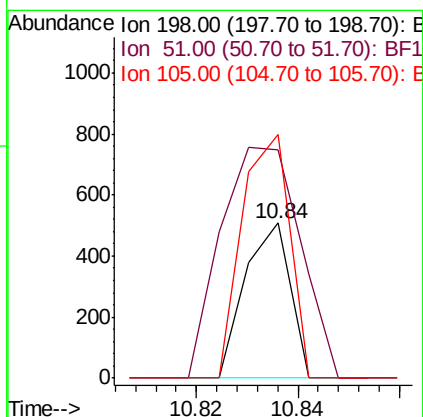
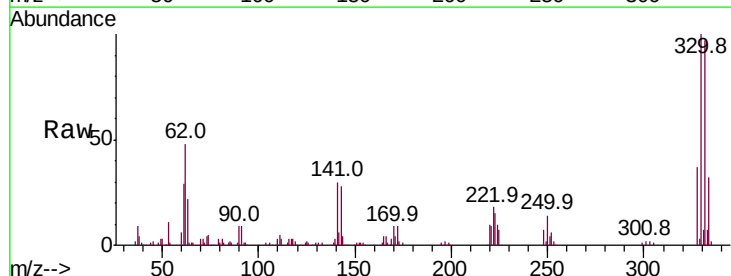
Instrument :
 BNA_F
 ClientSampleId :

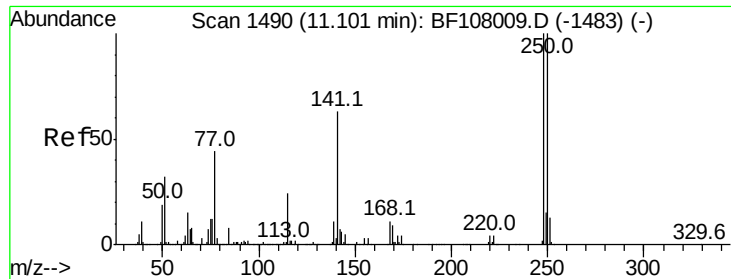
Tot Ion:188 Resp: 290538
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.5 12.7
 80 9.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.614 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Tgt Ion:198 Resp: 313
 Ion Ratio Lower Upper
 198 100
 51 147.2 37.7 77.7#
 105 157.1 36.3 76.3#

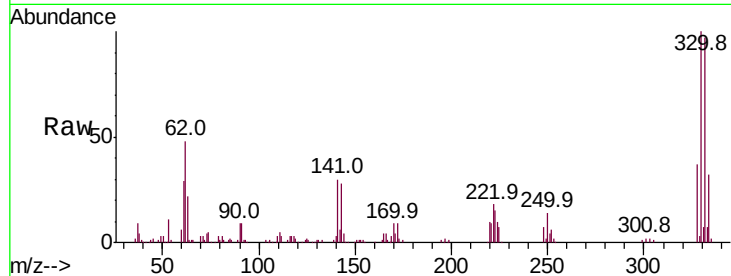




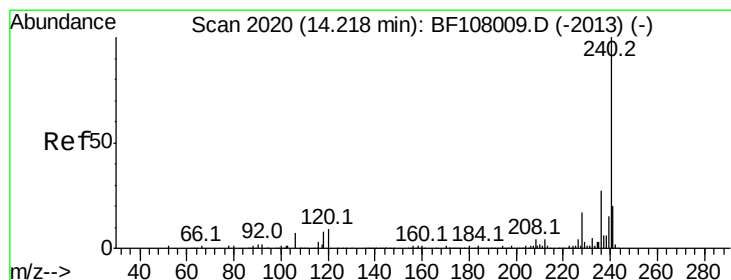
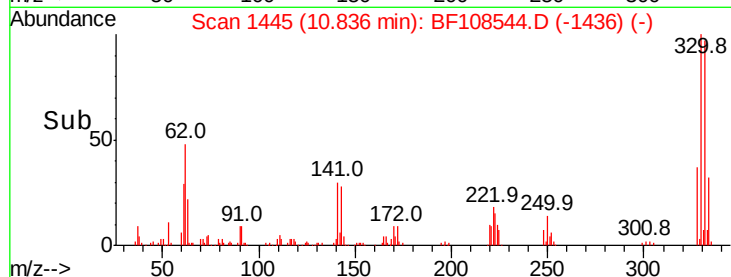
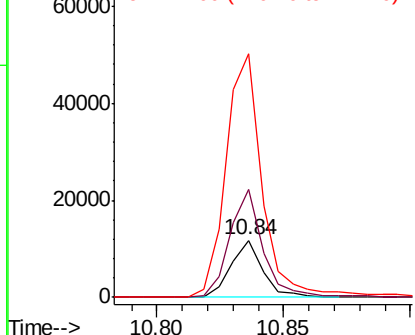
#66
 4-Bromophenyl-phenylether
 Concen: 3.245 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10247
 Ion Ratio Lower Upper
 248 100
 250 191.0 76.9 115.3#
 141 429.0 74.4 111.6#

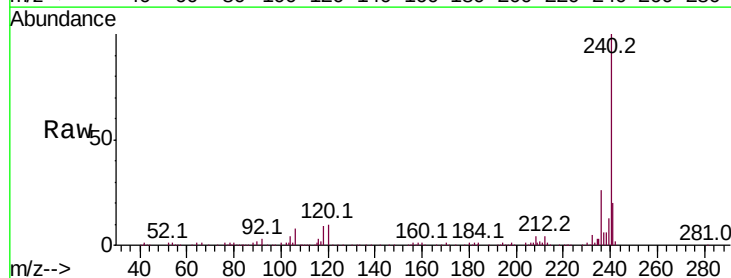


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

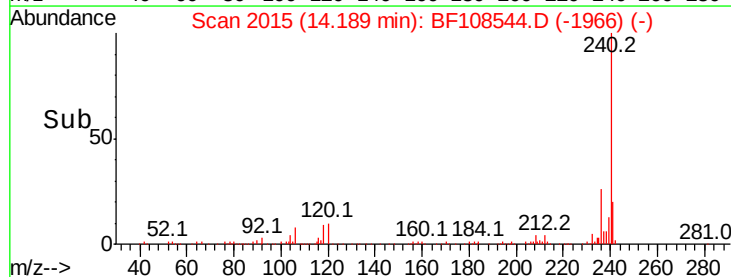
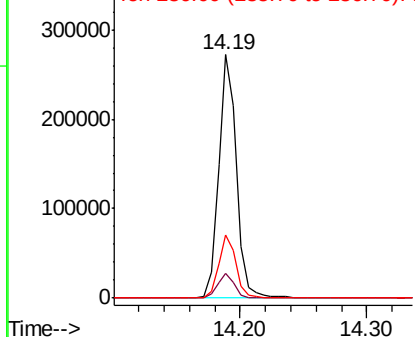


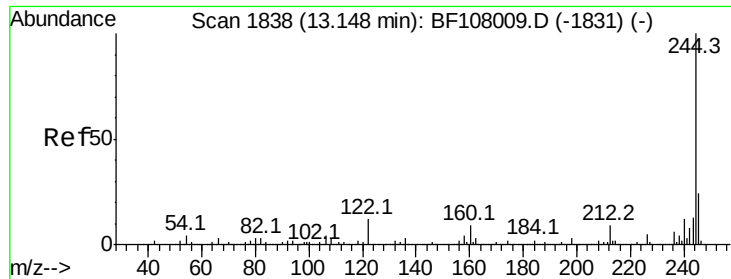
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Tgt Ion:240 Resp: 265869
 Ion Ratio Lower Upper
 240 100
 120 10.2 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

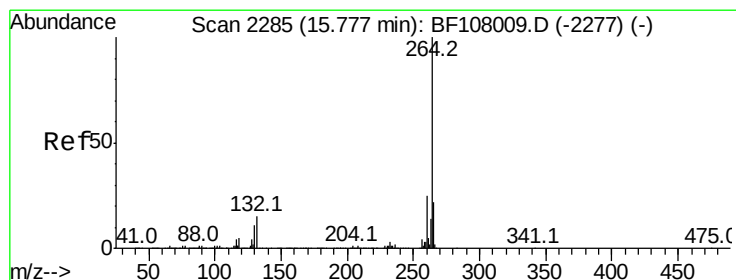
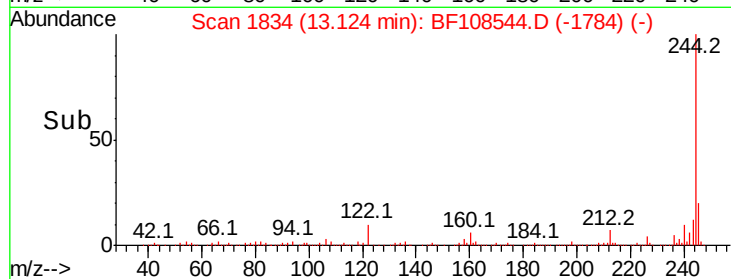
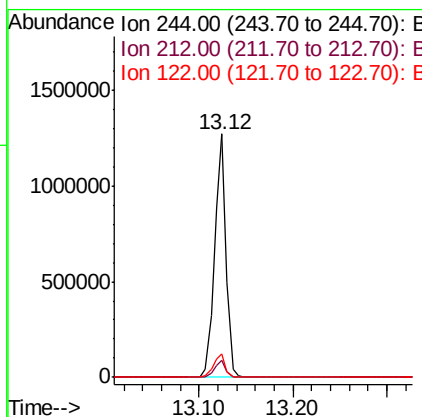
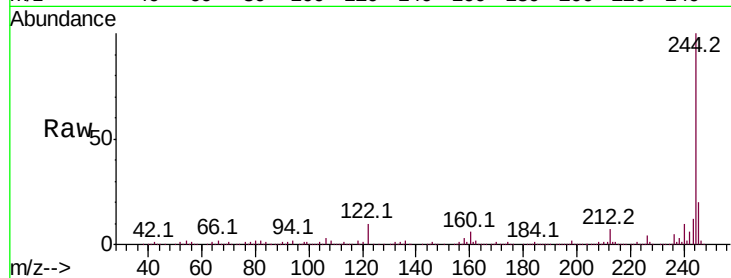




#78
 Terphenyl-d14
 Concen: 104.388 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1091556
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 9.7 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BF108544.D
 Acq: 28 Aug 2018 7:18

Tgt Ion:264 Resp: 201648
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 20.7 17.5 26.3

