

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108431.D
 Acq On : 23 Aug 2018 20:05
 Operator : JU/SJ
 Sample : PB112238BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB112238BL

Quant Time: Aug 24 01:05:09 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

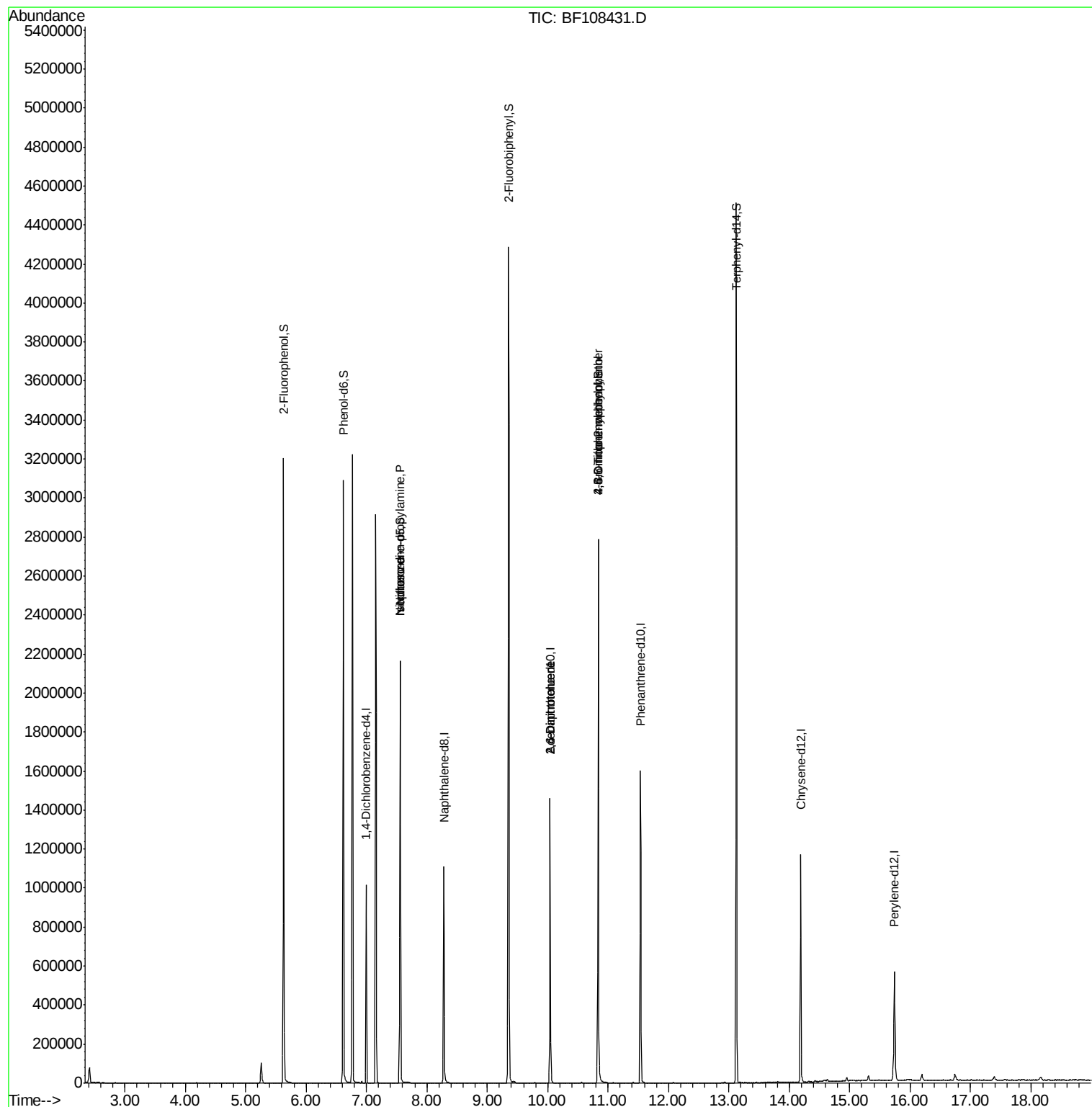
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	145197	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	555183	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	288906	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	594334	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	396187	20.00	ng	-0.01
86) Perylene-d12	15.74	264	295473	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	821487	102.43	ng	0.00
7) Phenol-d6	6.62	99	1107885	103.95	ng	-0.01
23) Nitrobenzene-d5	7.56	82	740748	74.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	331019	114.87	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1415685	78.67	ng	-0.01
78) Terphenyl-d14	13.12	244	1593134	102.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	99749	13.841	ng	# 82
25) Isophorone	7.56	82	734456	38.730	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	36918	8.768	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	36918	6.812	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	646	5.616	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	21755	3.368	ng	# 1

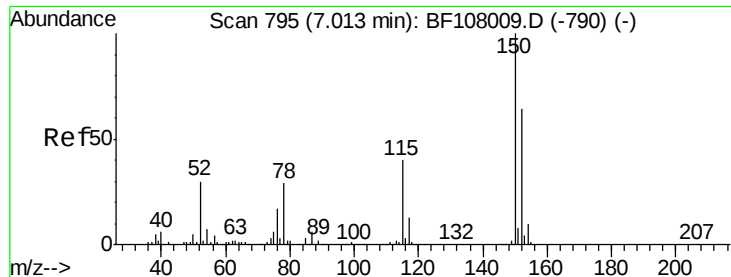
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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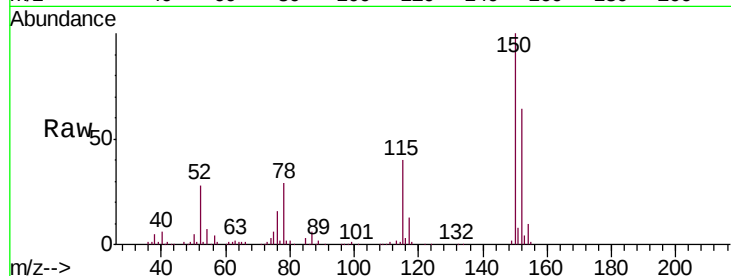


#1

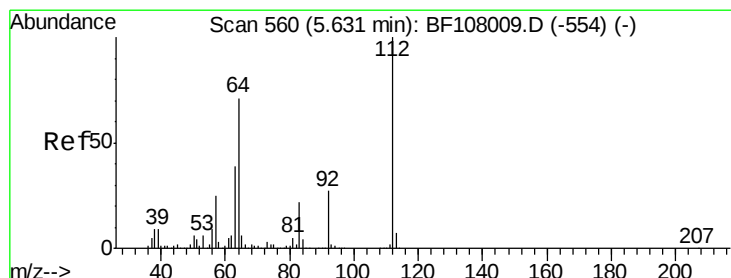
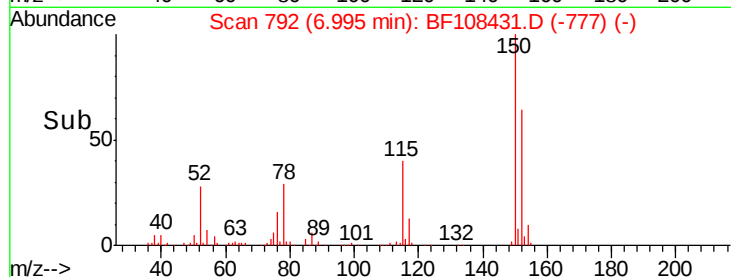
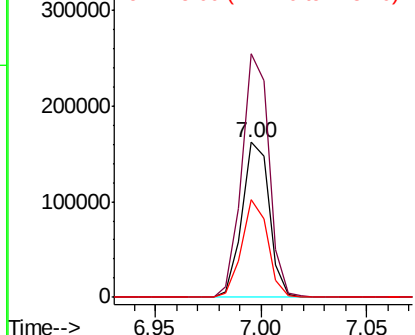
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108431.D
Acq: 23 Aug 2018 20:05

Instrument :
BNA_F
ClientSampleId :
PB112238BL

Tgt Ion:152 Resp: 145197
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 63.1 50.1 75.1



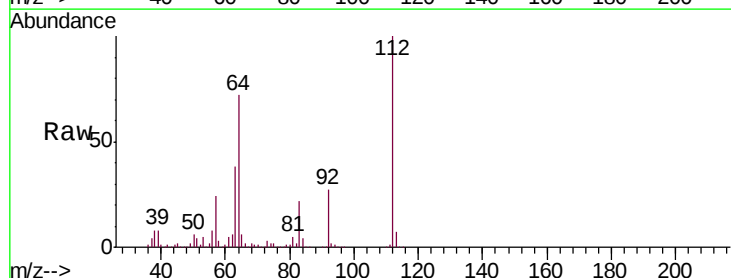
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



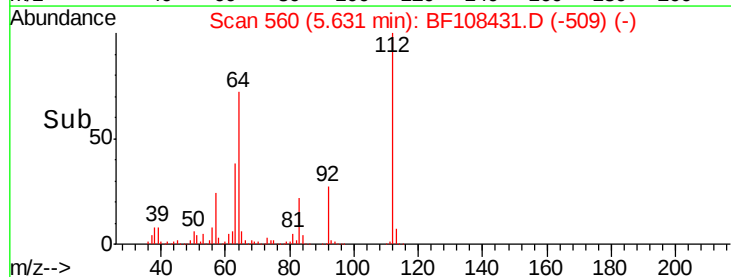
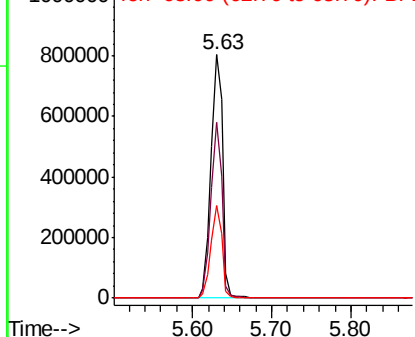
#5

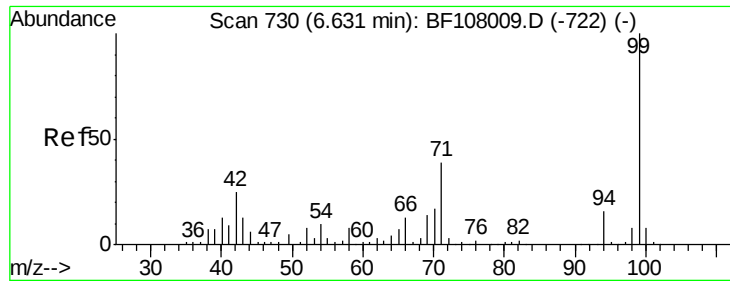
2-Fluorophenol
Concen: 102.431 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108431.D
Acq: 23 Aug 2018 20:05

Tgt Ion:112 Resp: 821487
Ion Ratio Lower Upper
112 100
64 72.1 47.9 71.9#
63 37.8 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: 103.955 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108431.D

Acq: 23 Aug 2018 20:05

Instrument :

BNA_F

ClientSampleId :

PB112238BL

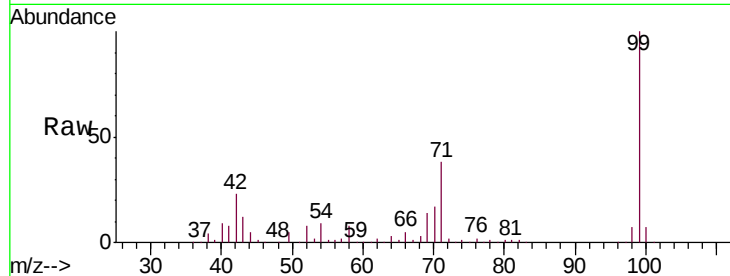
Tgt Ion: 99 Resp: 1107885

Ion Ratio Lower Upper

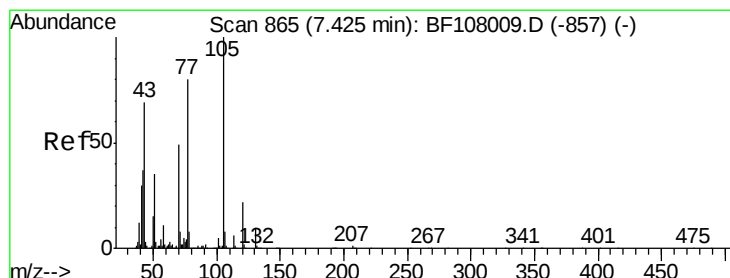
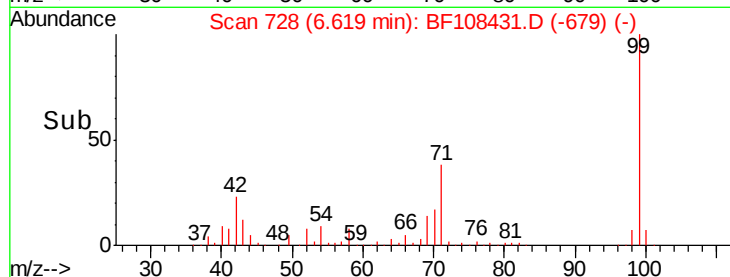
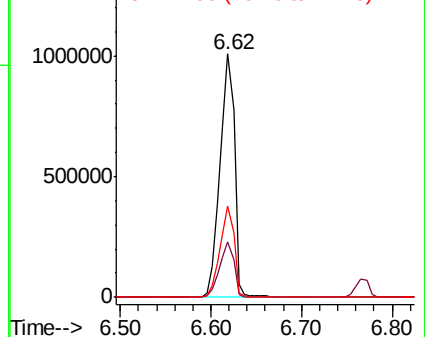
99 100

42 22.9 14.5 21.7#

71 37.7 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: 13.841 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108431.D

Acq: 23 Aug 2018 20:05

Tgt Ion: 70 Resp: 99749

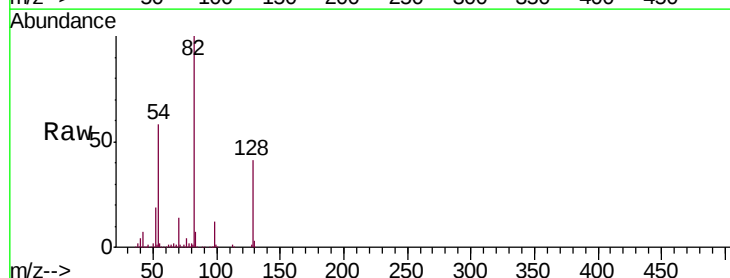
Ion Ratio Lower Upper

70 100

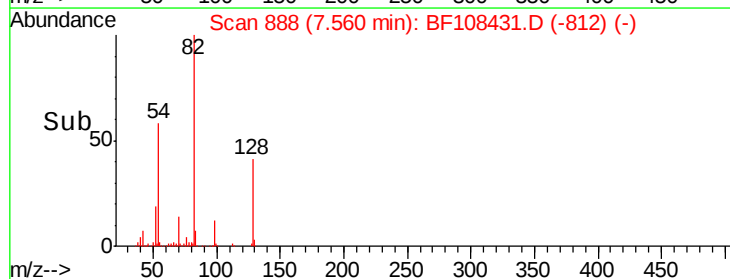
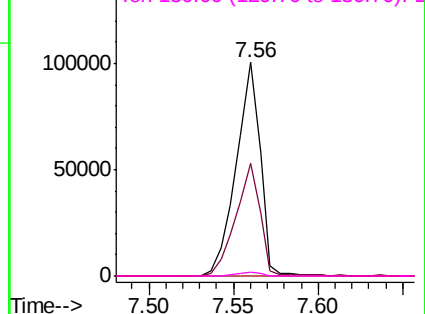
42 52.5 47.5 71.3

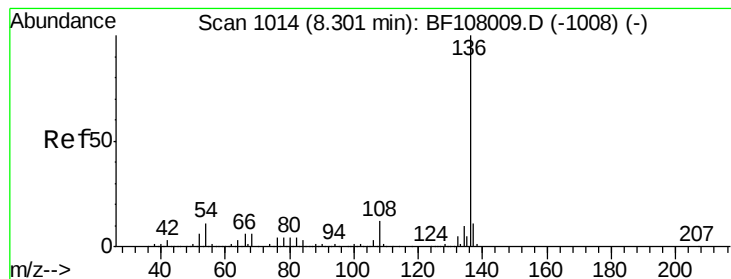
101 0.0 7.4 11.2#

130 1.8 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: BF108431.D

Acq: 23 Aug 2018 20:05

Instrument :

BNA_F

ClientSampleId :

PB112238BL

Tgt Ion:136 Resp: 555183

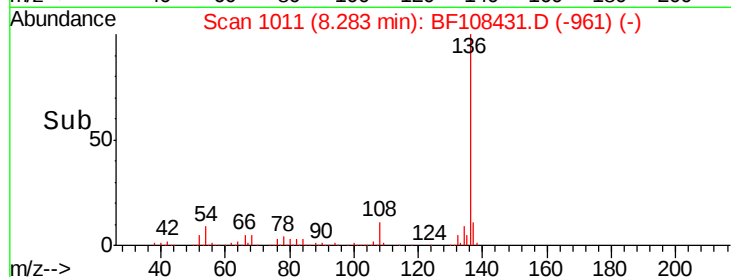
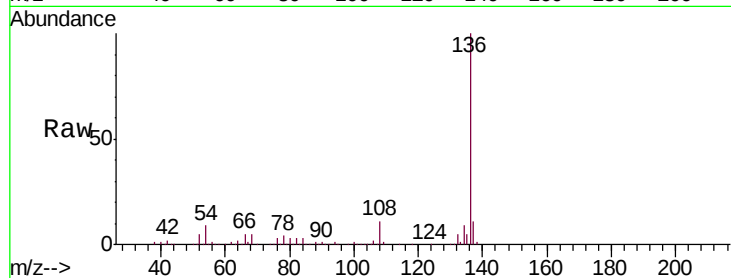
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.1 6.6 9.8

68 5.5 5.0 7.4

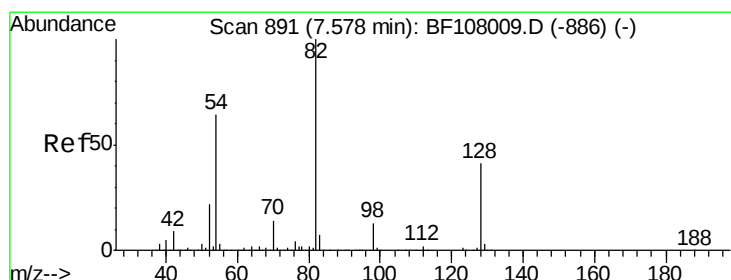
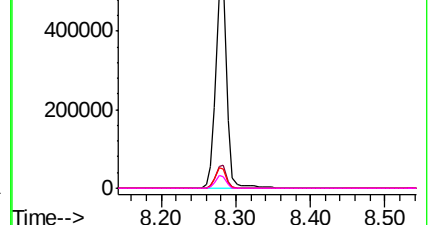


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.453 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108431.D

Acq: 23 Aug 2018 20:05

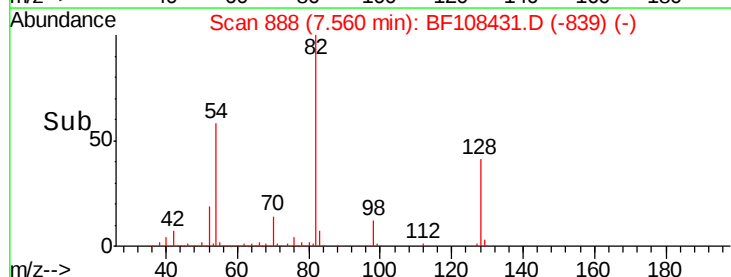
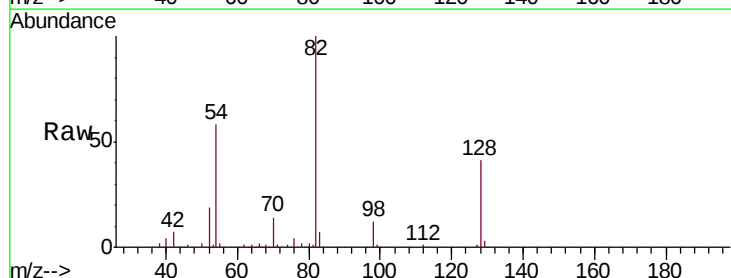
Tgt Ion: 82 Resp: 740748

Ion Ratio Lower Upper

82 100

128 41.1 36.1 54.1

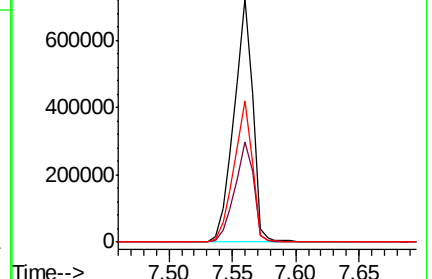
54 58.1 41.4 62.2

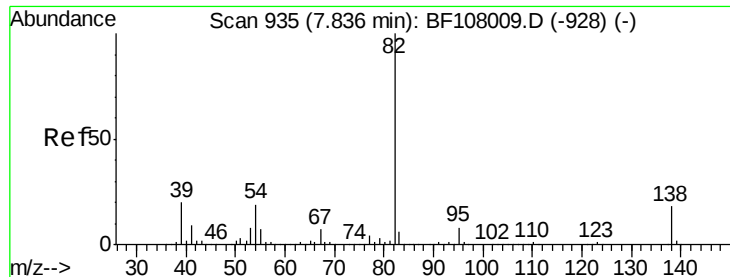


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.730 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108431.D

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PB112238BL

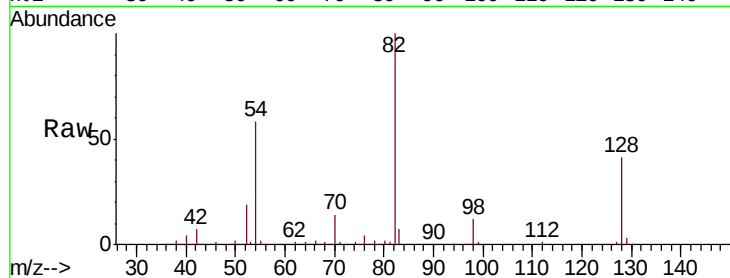
Tgt Ion: 82 Resp: 734456

Ion Ratio Lower Upper

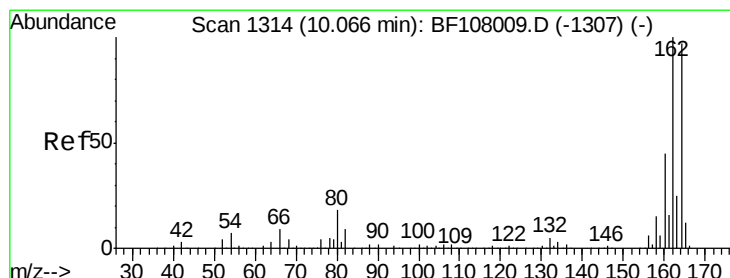
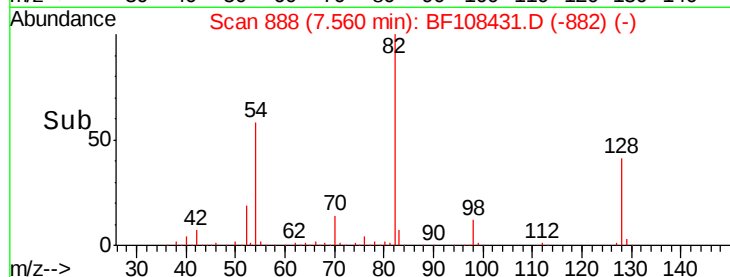
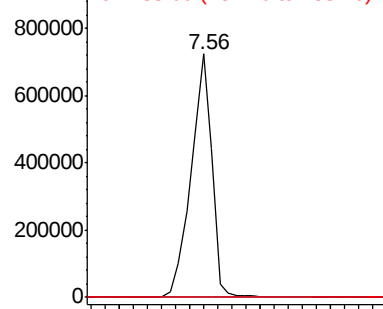
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000
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: BF108431.D

Acq: 23 Aug 2018 20:05

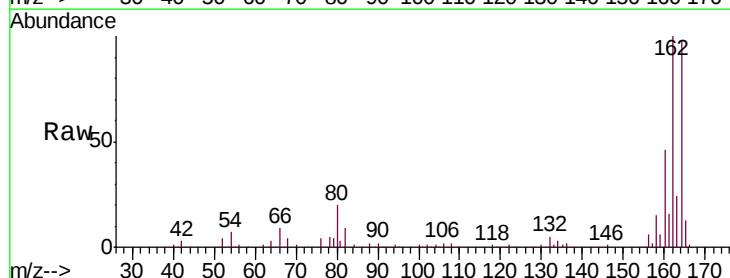
Tgt Ion: 164 Resp: 288906

Ion Ratio Lower Upper

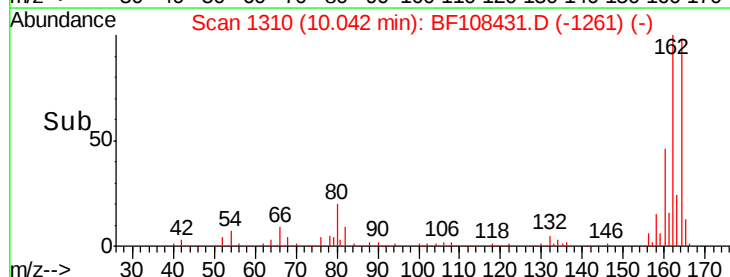
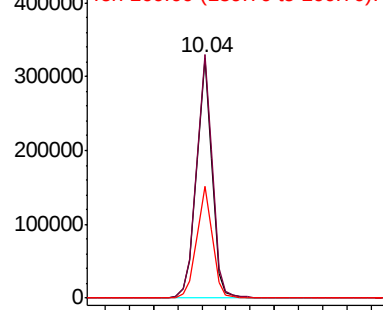
164 100

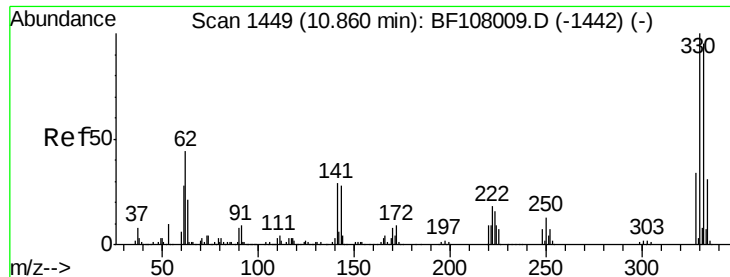
162 101.5 86.1 129.1

160 46.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
400000
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

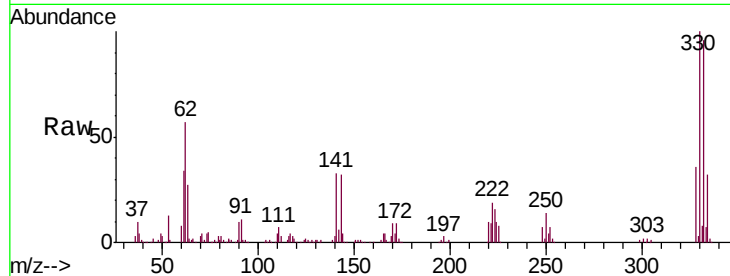




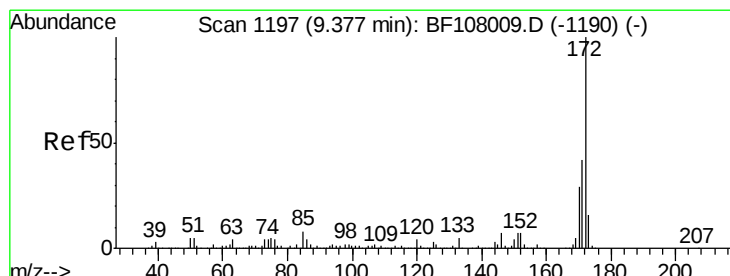
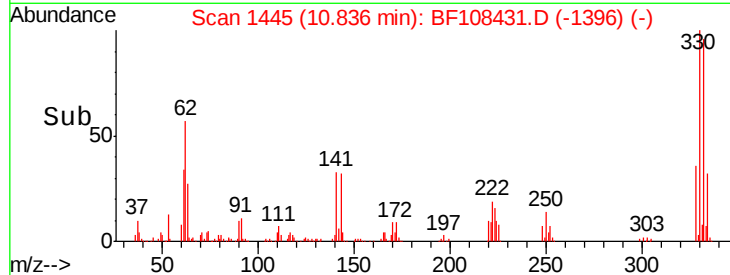
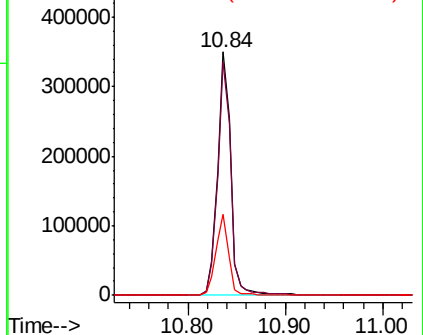
#41
 2,4,6-Tribromophenol
 Concen: 114.867 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

Instrument :
 BNA_F
 ClientSampleId :
 PB112238BL

Tgt Ion:330 Resp: 331019
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 32.4 29.9 44.9

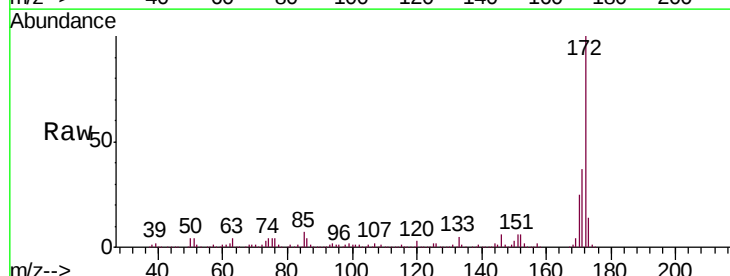


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

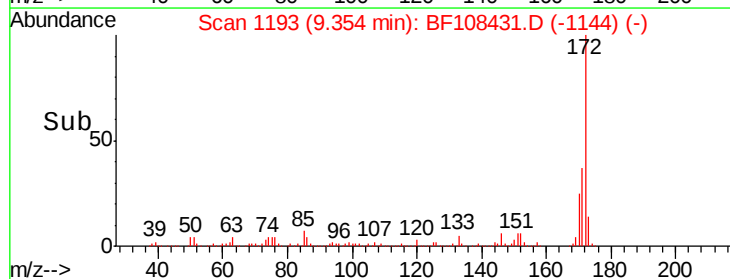
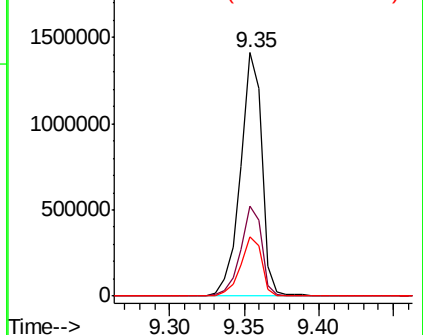


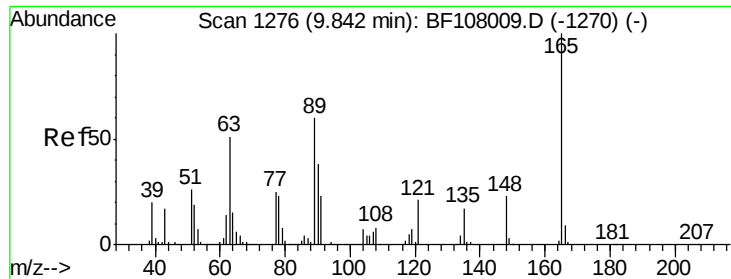
#44
 2-Fluorobiphenyl
 Concen: 78.671 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

Tgt Ion:172 Resp: 1415685
 Ion Ratio Lower Upper
 172 100
 171 36.9 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

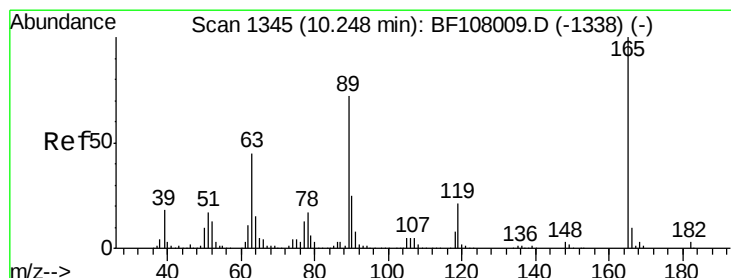
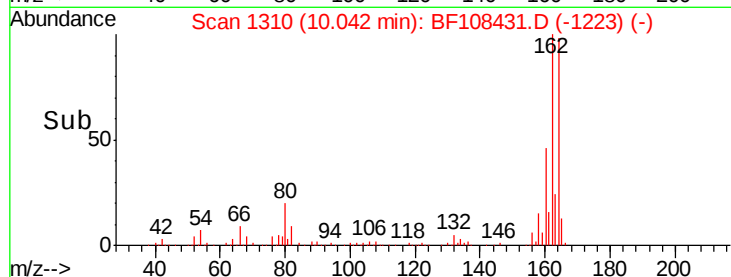
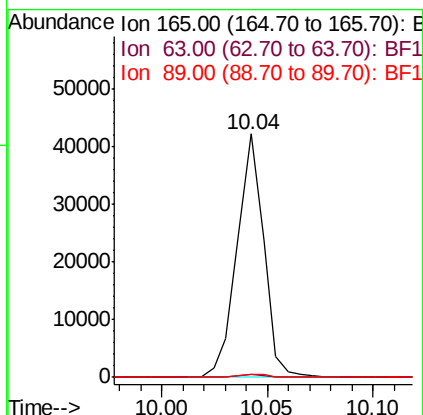
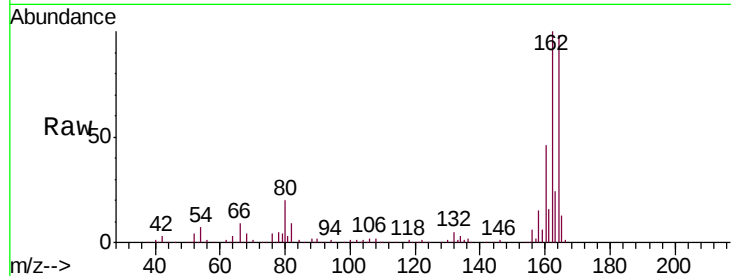




#50
 2,6-Dinitrotoluene
 Concen: 8.768 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

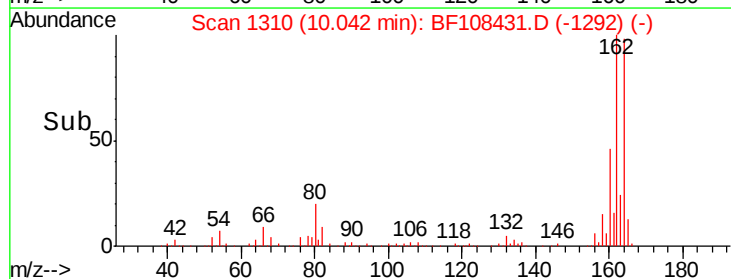
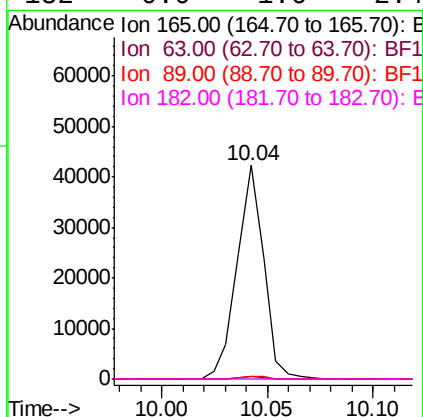
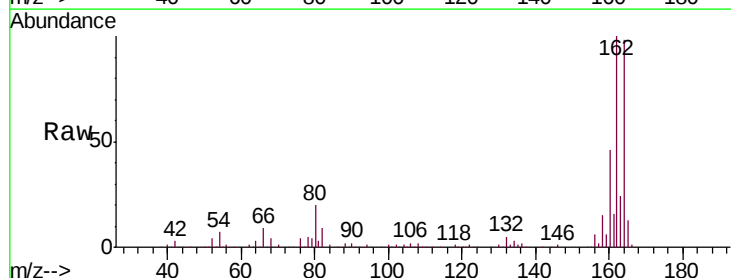
Instrument :
 BNA_F
 ClientSampled :
 PB112238BL

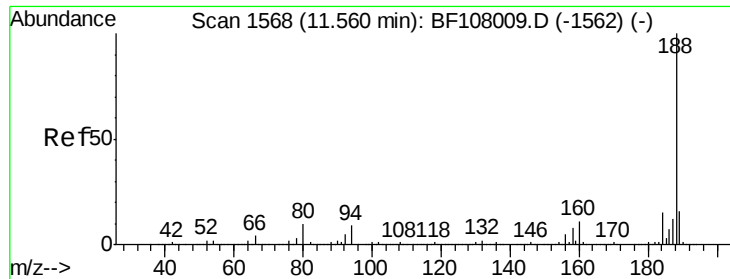
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.812 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

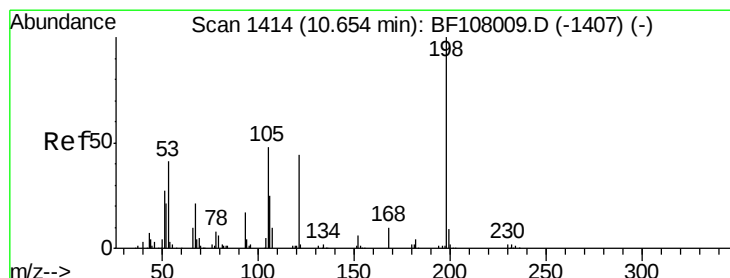
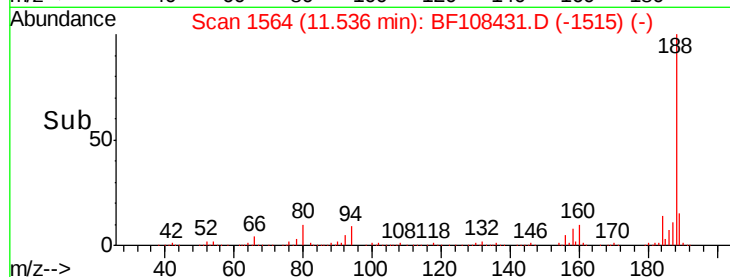
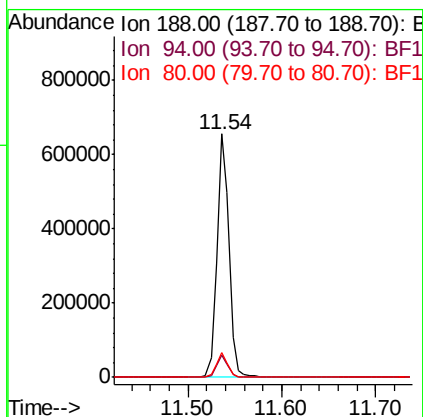
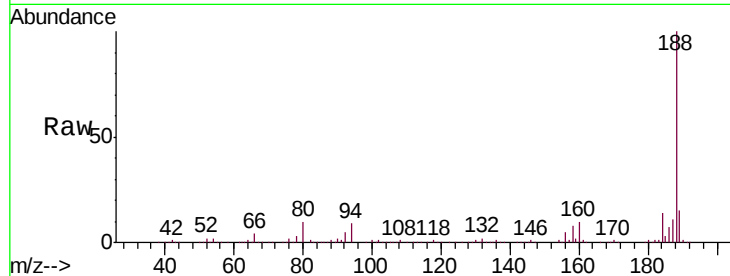




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

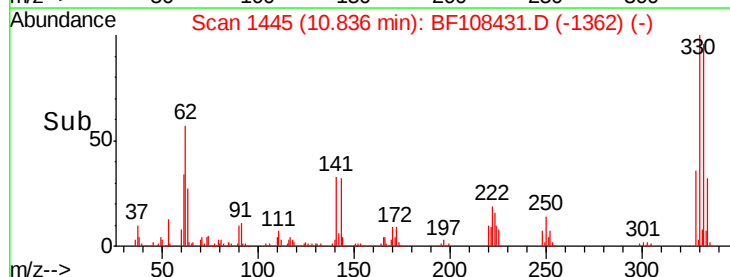
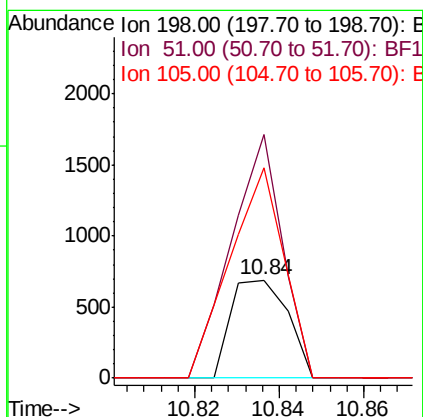
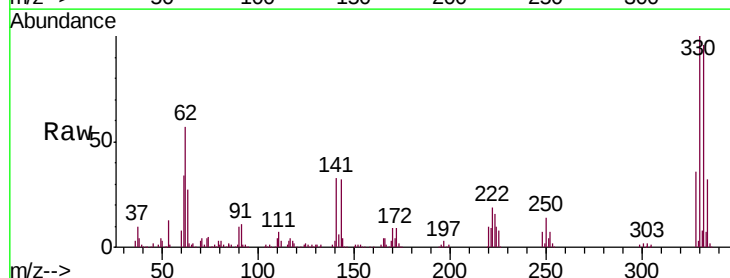
Instrument :
 BNA_F
 ClientSampleId :
 PB112238BL

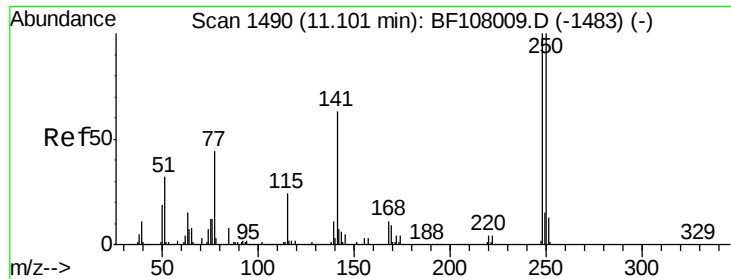
Tgt Ion:188 Resp: 594334
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.5 12.7
 80 10.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.616 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

Tgt Ion:198 Resp: 646
 Ion Ratio Lower Upper
 198 100
 51 247.9 37.7 77.7#
 105 214.6 36.3 76.3#

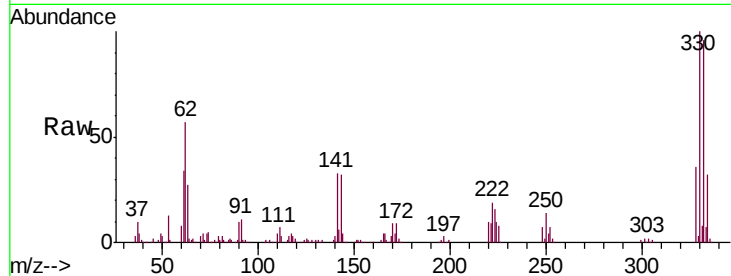




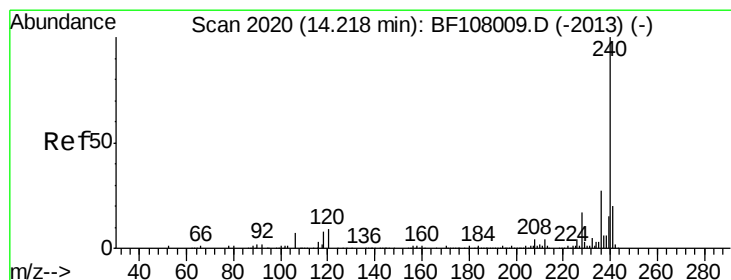
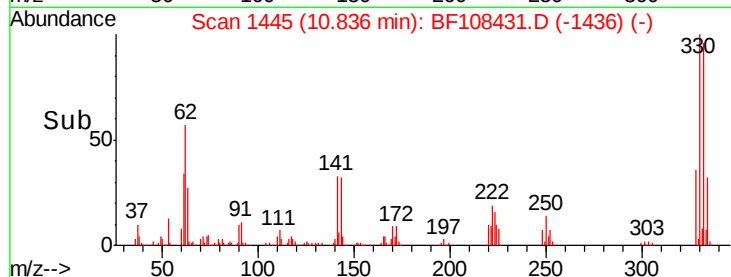
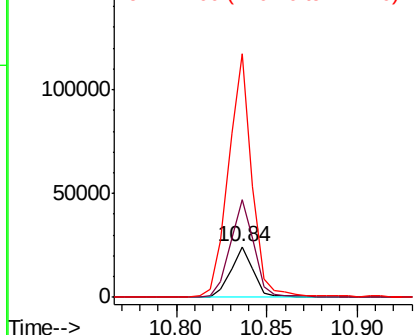
#66
 4-Bromophenyl-phenylether
 Concen: 3.368 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

Instrument :
 BNA_F
 ClientSampleId :
 PB112238BL

Tgt Ion:248 Resp: 21755
 Ion Ratio Lower Upper
 248 100
 250 193.8 76.9 115.3#
 141 480.3 74.4 111.6#

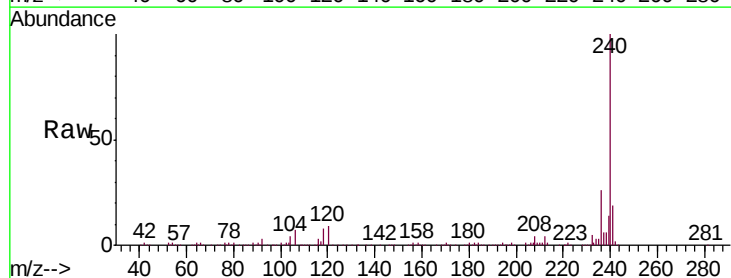


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

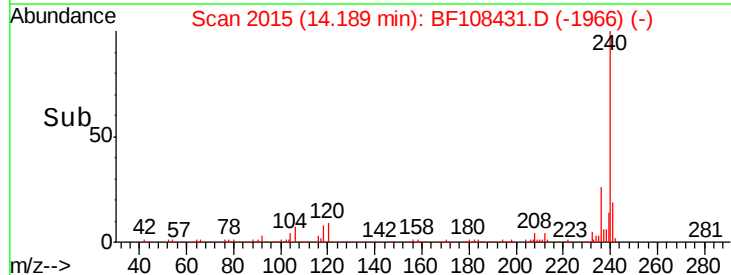
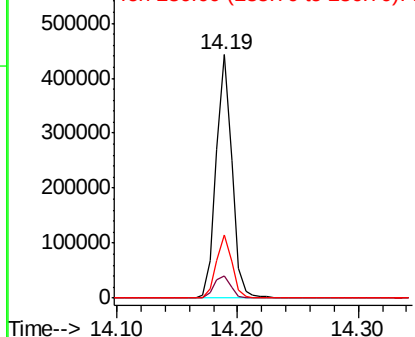


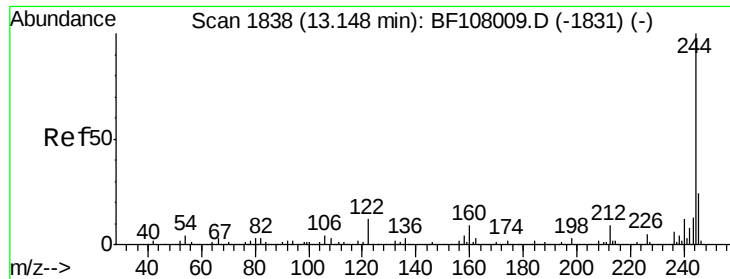
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108431.D
 Acq: 23 Aug 2018 20:05

Tgt Ion:240 Resp: 396187
 Ion Ratio Lower Upper
 240 100
 120 9.4 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: 102.241 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108431.D

Acq: 23 Aug 2018 20:05

Instrument :

BNA_F

ClientSampleId :

PB112238BL

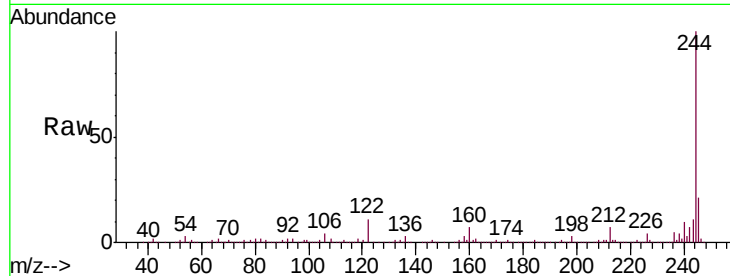
Tgt Ion:244 Resp: 1593134

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

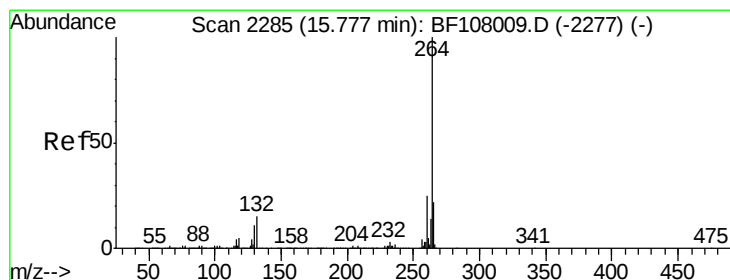
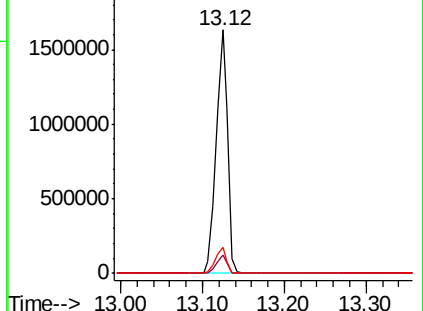
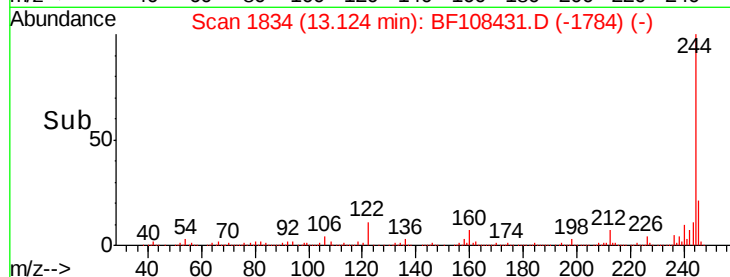
122 10.7 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF108431.D

Acq: 23 Aug 2018 20:05

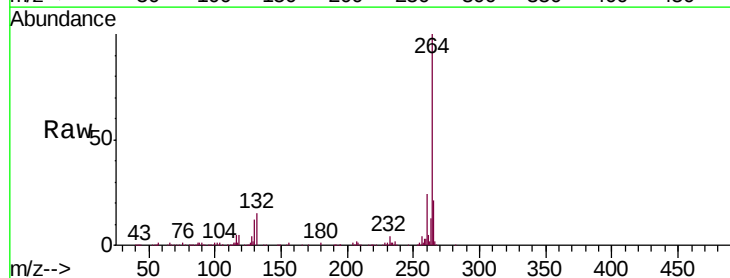
Tgt Ion:264 Resp: 295473

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.5 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

