

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108323.D
 Acq On : 21 Aug 2018 7:15
 Operator : JU/SJ
 Sample : J4521-06RE
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

Quant Time: Aug 21 10:40:40 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 08 12:24:24 2018
 Response via : Initial Calibration

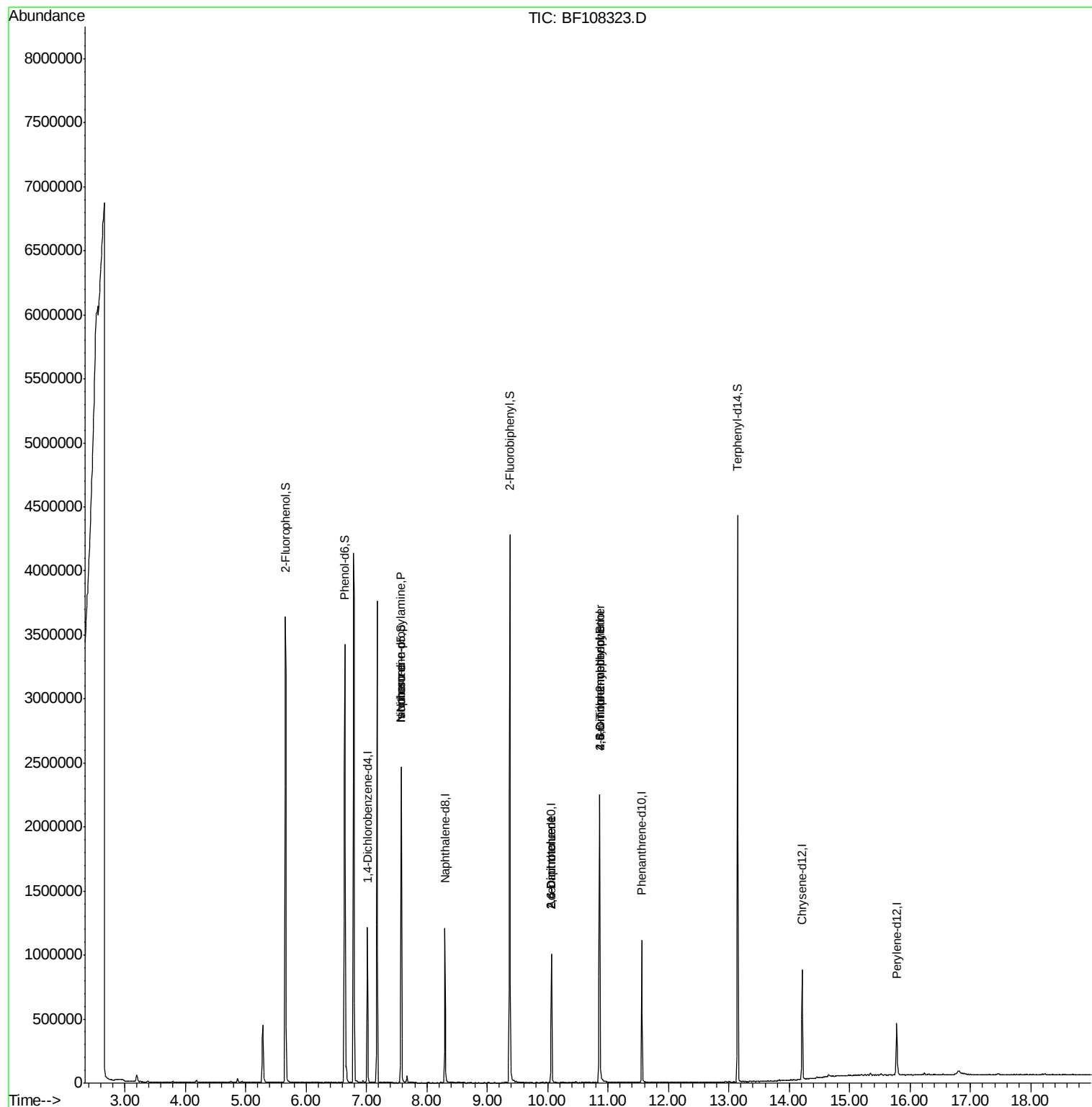
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	157450	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	527979	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	220696	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	393505	20.00	ng	0.00
75) Chrysene-d12	14.21	240	292326	20.00	ng	0.00
86) Perylene-d12	15.78	264	220905	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	1007254	115.82	ng	0.03
7) Phenol-d6	6.64	99	1148703	99.40	ng	0.01
23) Nitrobenzene-d5	7.58	82	889963	94.06	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	305382	138.72	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1564883	113.84	ng	0.00
78) Terphenyl-d14	13.15	244	1453456	126.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	120353	15.400	ng	# 83
25) Isophorone	7.58	82	889954	49.347	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	28348	8.814	ng	# 25
56) 2,4-Dinitrotoluene	10.06	165	28348	6.847	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	527	5.675	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	19939	4.663	ng	# 1

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

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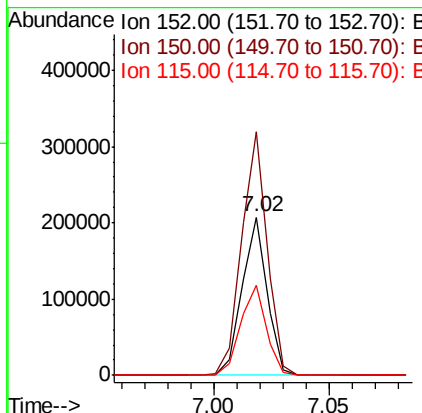
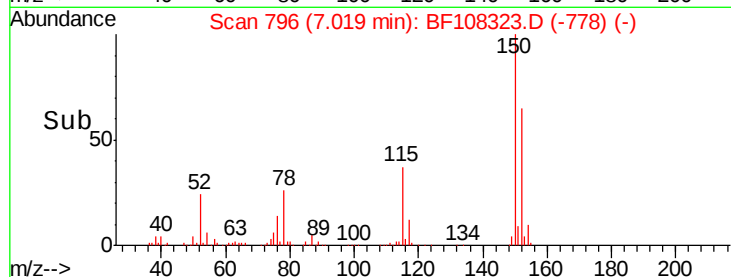
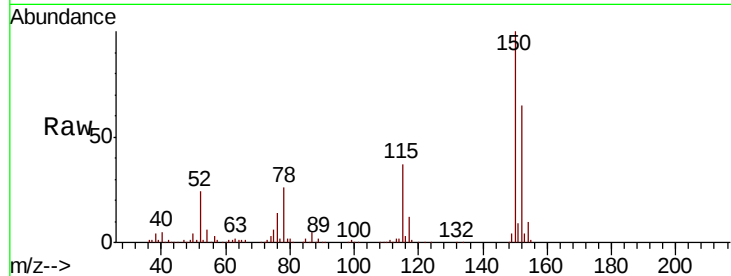


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108323.D
Acq: 21 Aug 2018 7:15

Instrument :
BNA_F
ClientSampleId :
CHRT26100

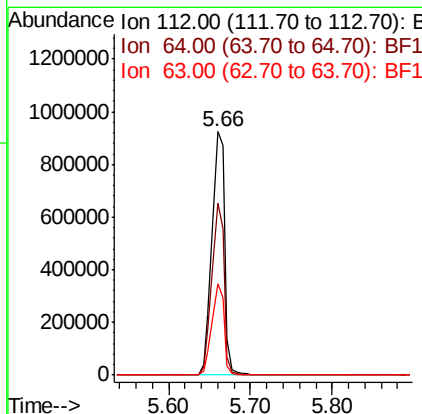
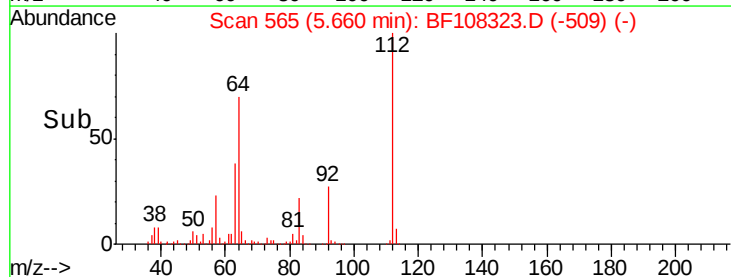
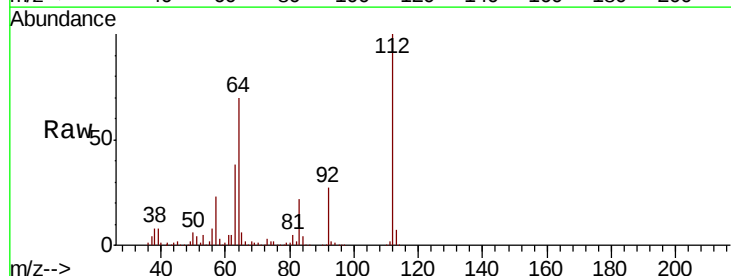
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	57.0	50.1	75.1



#5

2-Fluorophenol
Concen: 115.820 ng
RT: 5.66 min Scan# 565
Delta R.T. 0.03 min
Lab File: BF108323.D
Acq: 21 Aug 2018 7:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	47.9	71.9
63	37.7	23.7	35.5





#7

Phenol-d6

Concen: 99.397 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

Instrument :

BNA_F

ClientSampleId :

CHRT26100

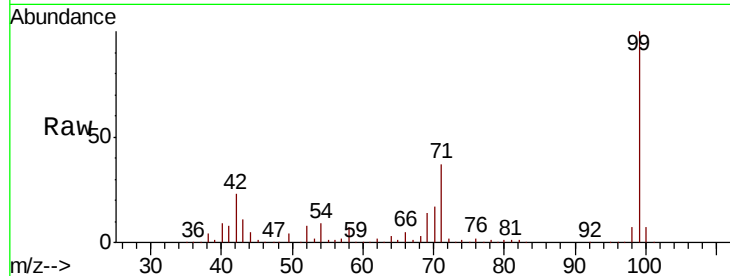
Tot Ion: 99 Resp: 1148703

Ion Ratio Lower Upper

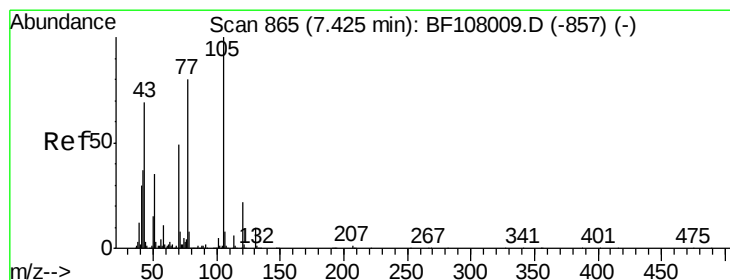
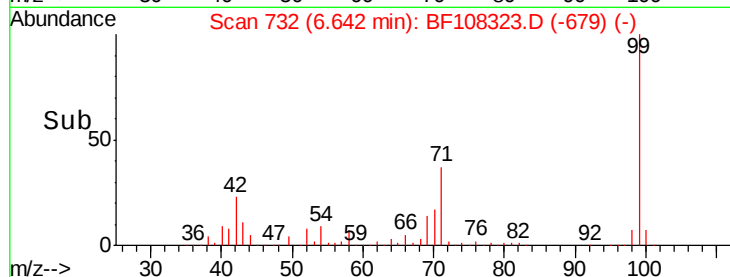
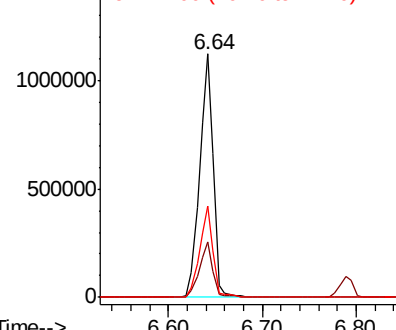
99 100

42 22.6 14.5 21.7#

71 37.3 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: 15.400 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

Tgt Ion: 70 Resp: 120353

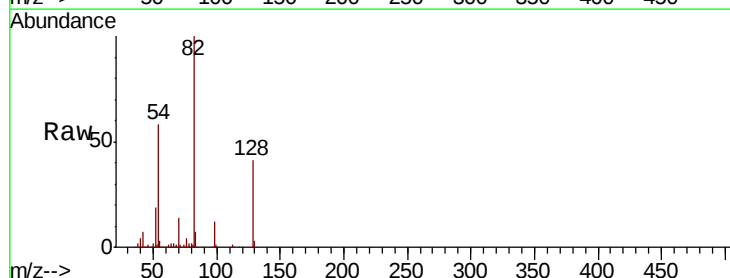
Ion Ratio Lower Upper

70 100

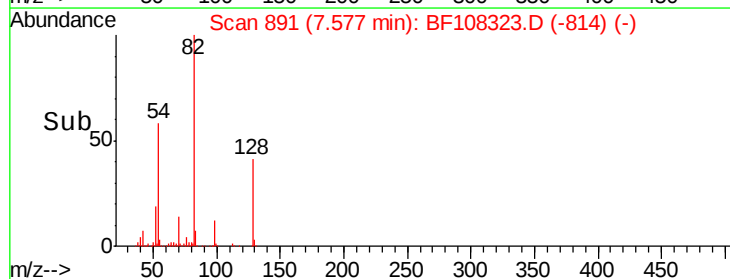
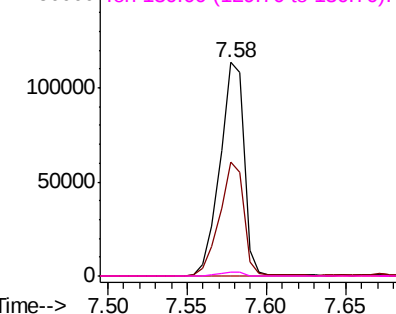
42 53.2 47.5 71.3

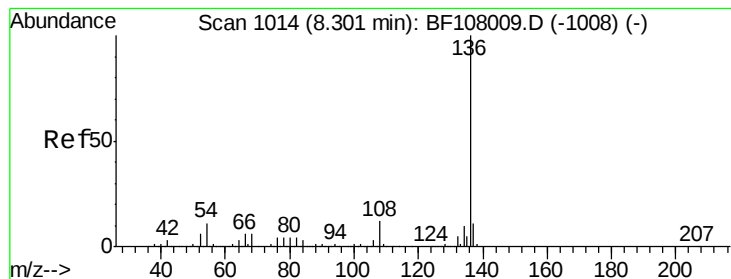
101 0.0 7.4 11.2#

130 2.1 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: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

Instrument :

BNA_F

ClientSampleId :

CHRT26100

Tot Ion:136 Resp: 527979

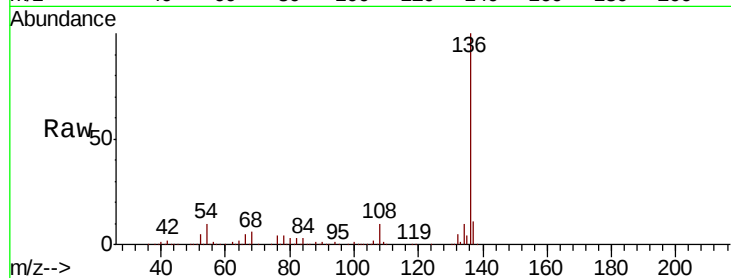
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.9 6.6 9.8#

68 6.0 5.0 7.4

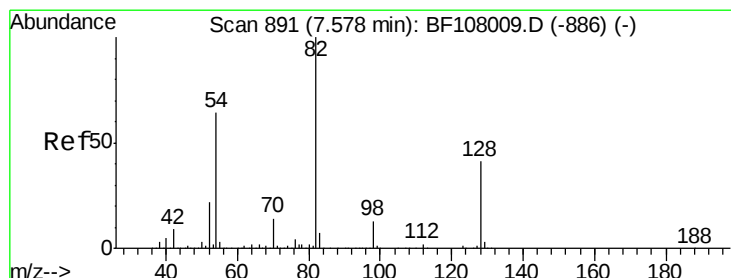
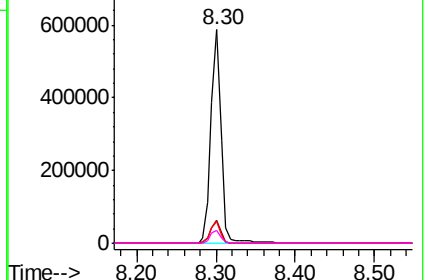
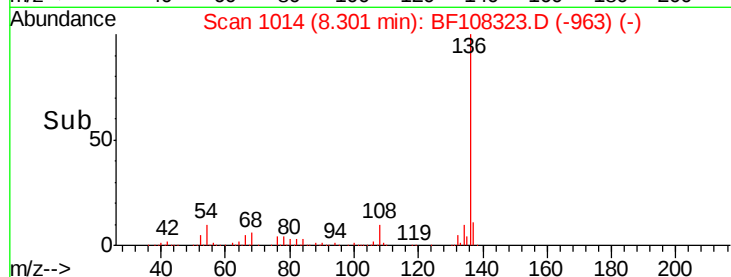


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.059 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

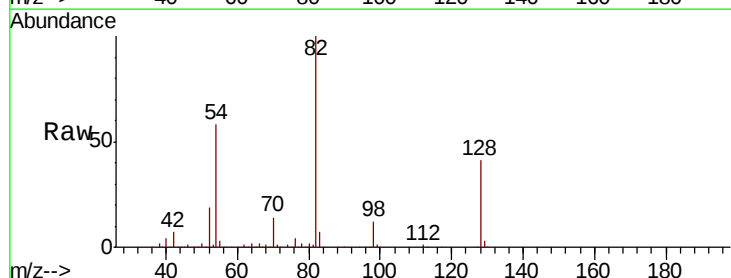
Tgt Ion: 82 Resp: 889963

Ion Ratio Lower Upper

82 100

128 41.4 36.1 54.1

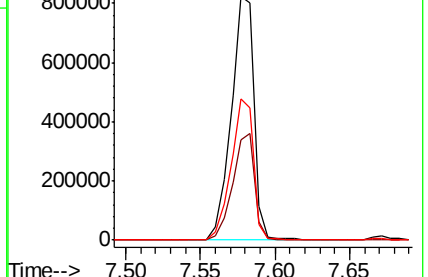
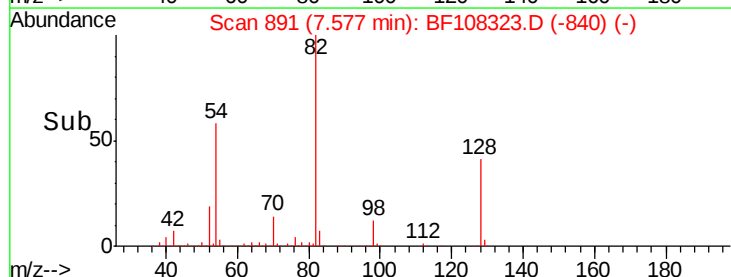
54 58.0 41.4 62.2

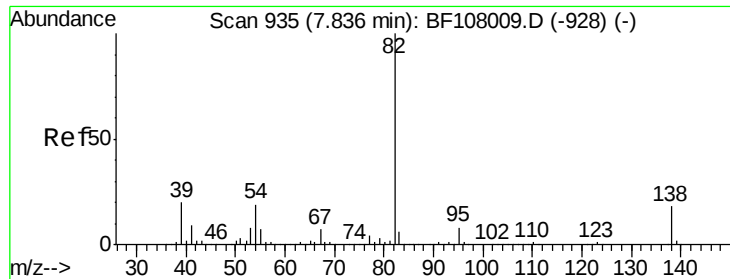


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.347 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

Instrument :

BNA_F

ClientSampleId :

CHRT26100

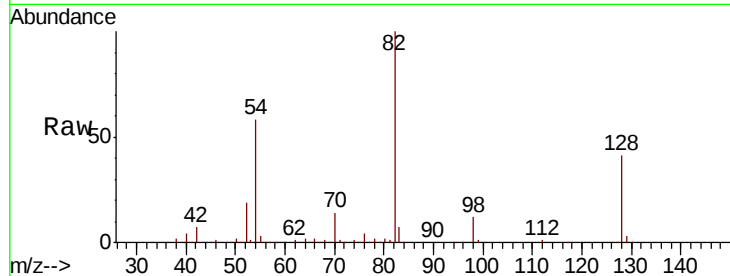
Tot Ion: 82 Resp: 889954

Ion Ratio Lower Upper

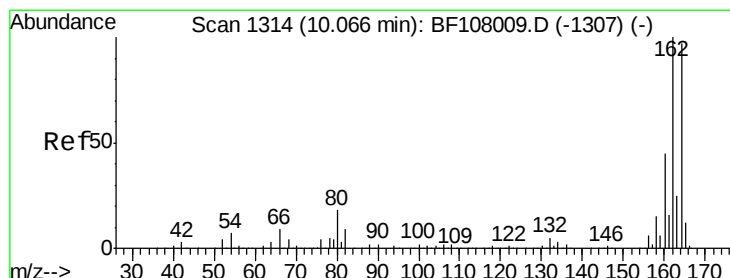
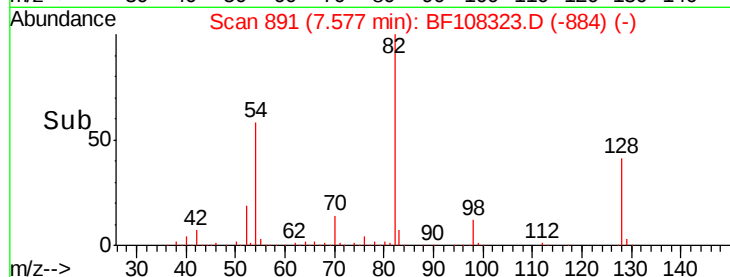
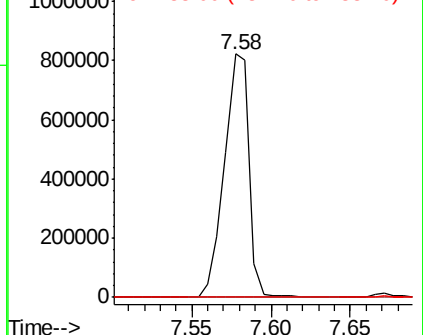
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

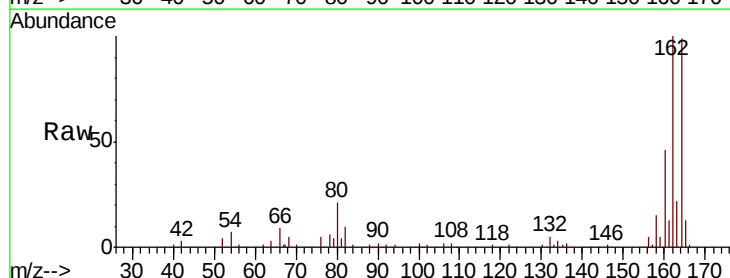
Tgt Ion: 164 Resp: 220696

Ion Ratio Lower Upper

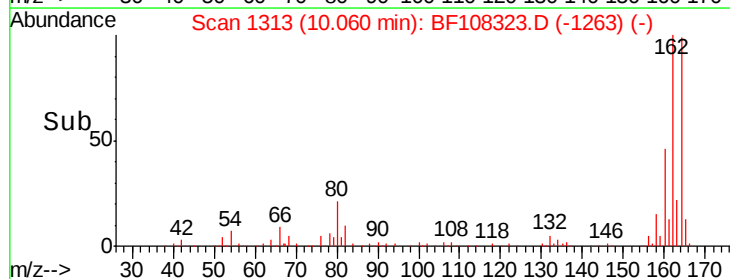
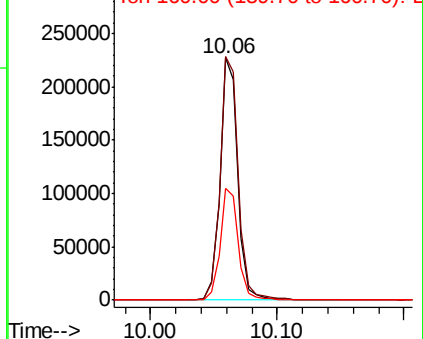
164 100

162 100.6 86.1 129.1

160 46.3 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

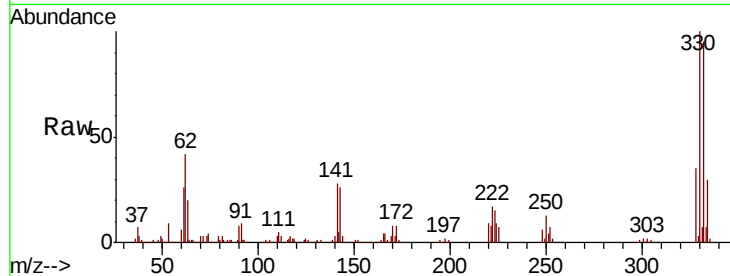




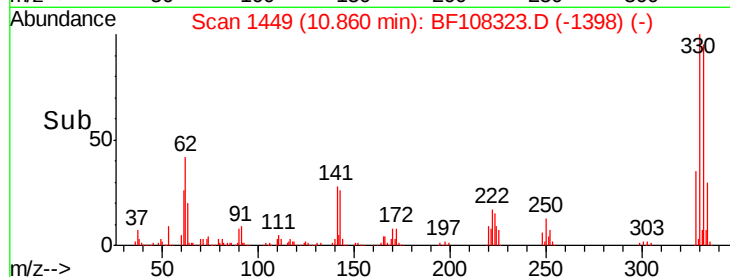
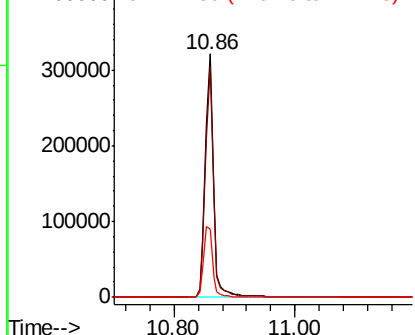
#41
 2,4,6-Tribromophenol
 Concen: 138.723 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

Tot Ion:330 Resp: 305382
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.0 115.6
 141 32.1 29.9 44.9

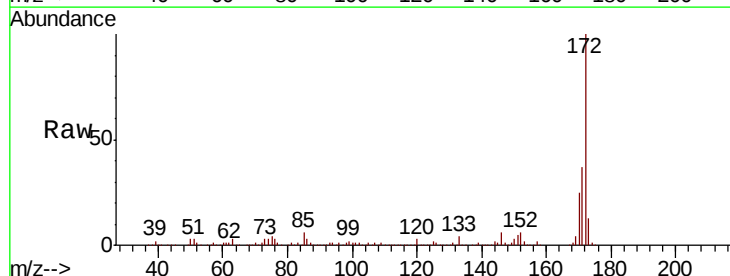


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

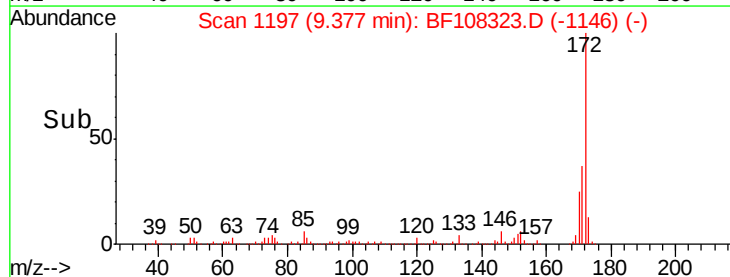
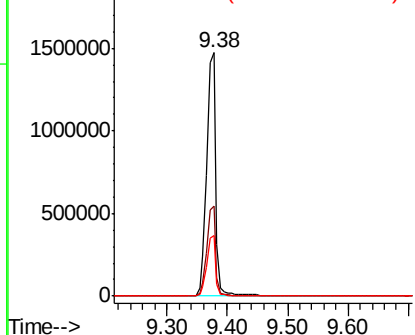


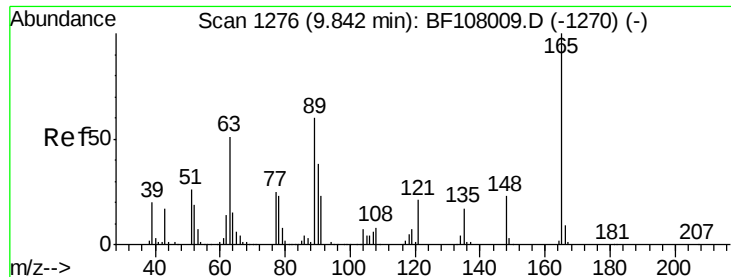
#44
 2-Fluorobiphenyl
 Concen: 113.839 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

Tgt Ion:172 Resp: 1564883
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.8 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

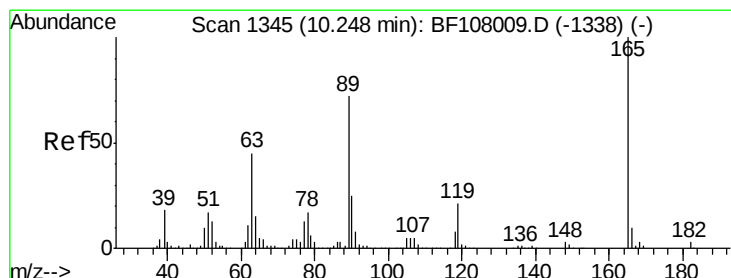
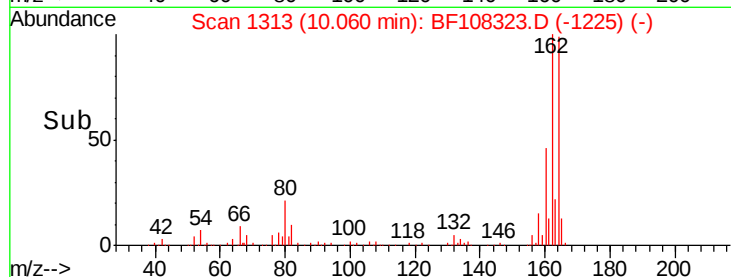
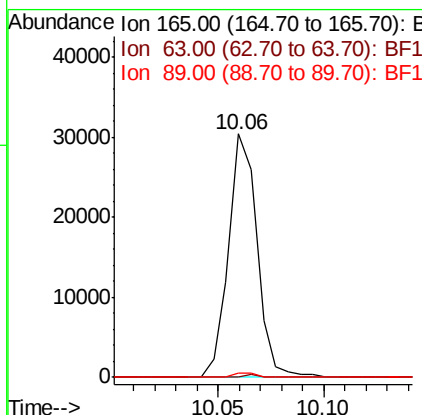
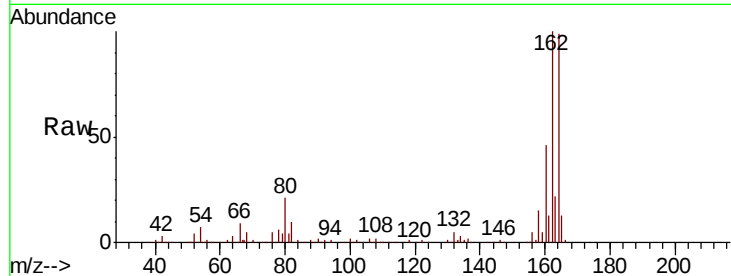




#50
 2,6-Dinitrotoluene
 Concen: 8.814 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

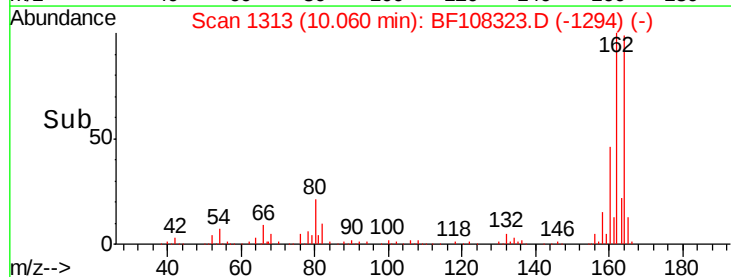
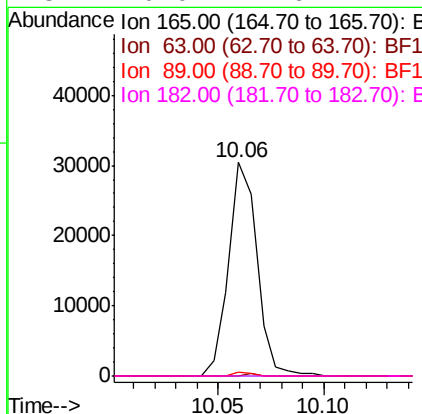
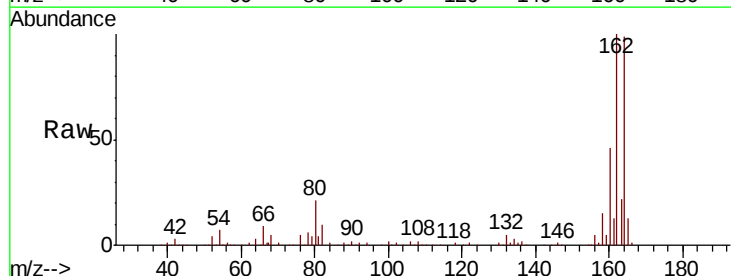
Instrument :
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 CHRT26100

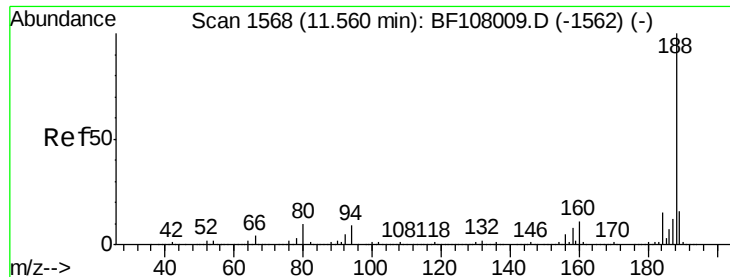
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.847 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

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

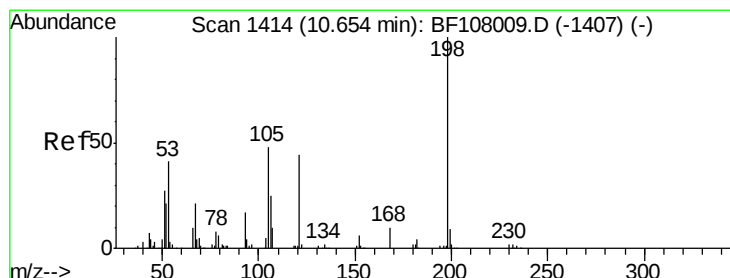
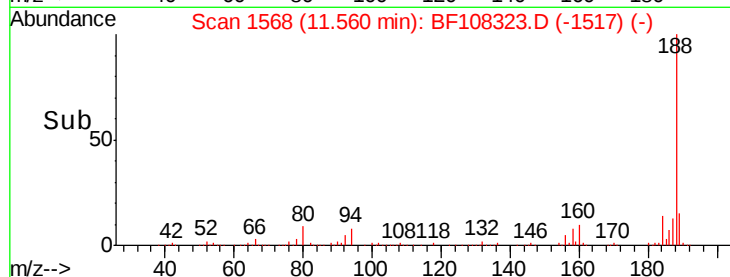
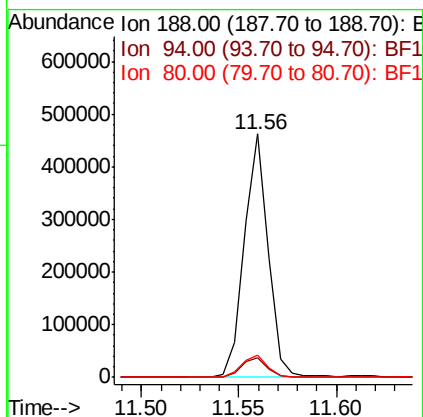
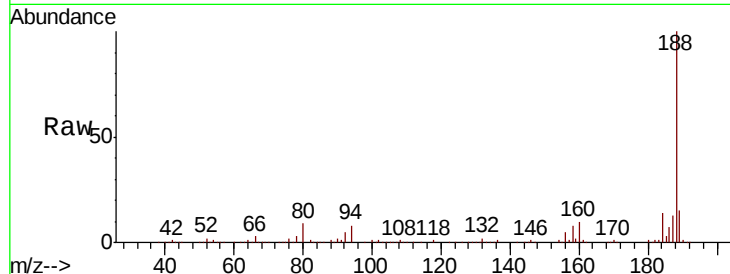




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

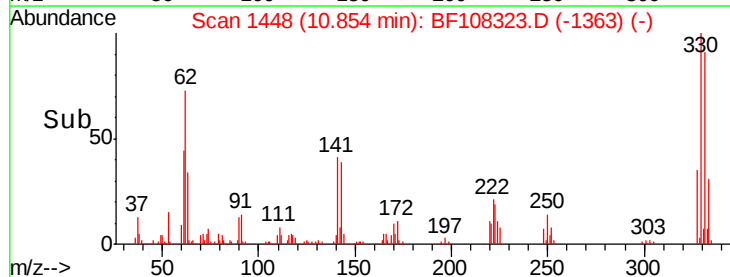
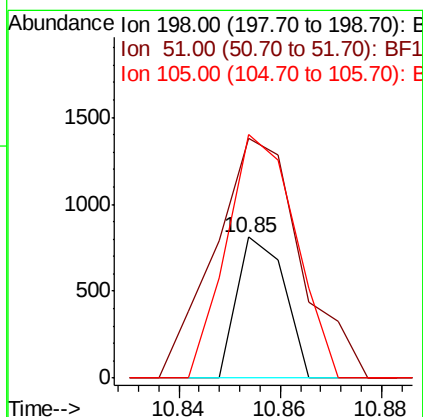
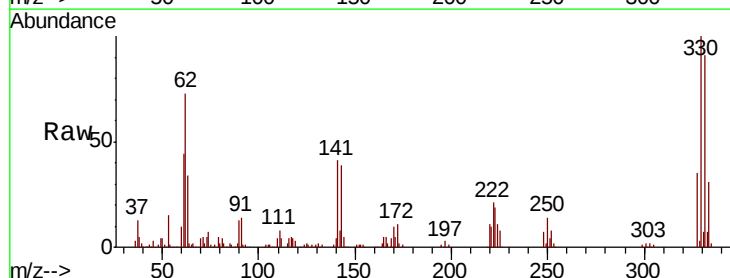
Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

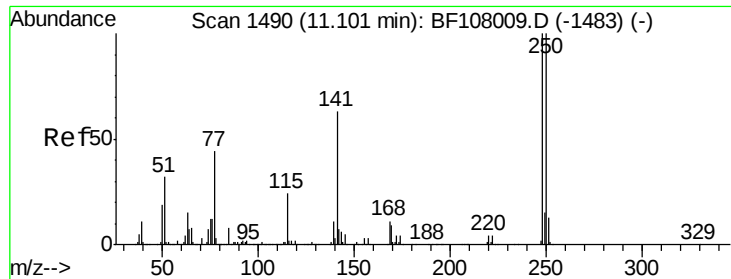
Tot Ion:188 Resp: 393505
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.5 12.7#
 80 9.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.675 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

Tgt Ion:198 Resp: 527
 Ion Ratio Lower Upper
 198 100
 51 169.9 37.7 77.7#
 105 173.0 36.3 76.3#

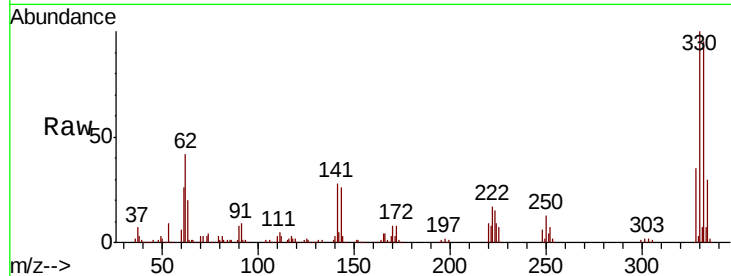




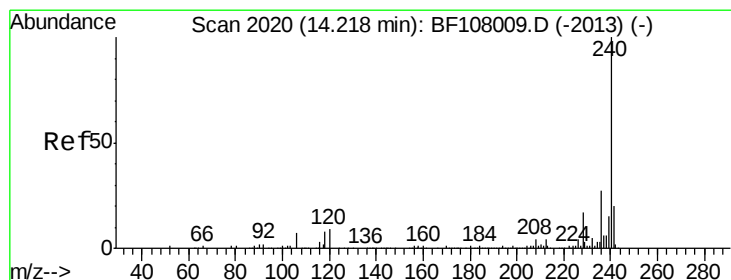
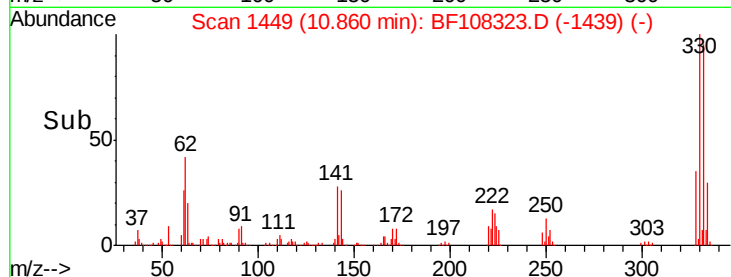
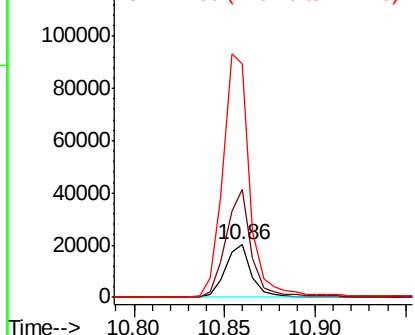
#66
 4-Bromophenyl-phenylether
 Concen: 4.663 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

Tot Ion:248 Resp: 19939
 Ion Ratio Lower Upper
 248 100
 250 203.8 76.9 115.3#
 141 442.7 74.4 111.6#

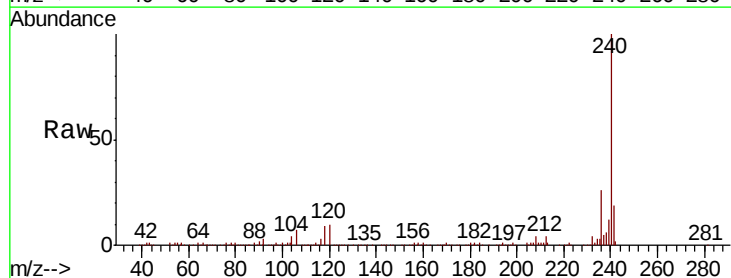


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

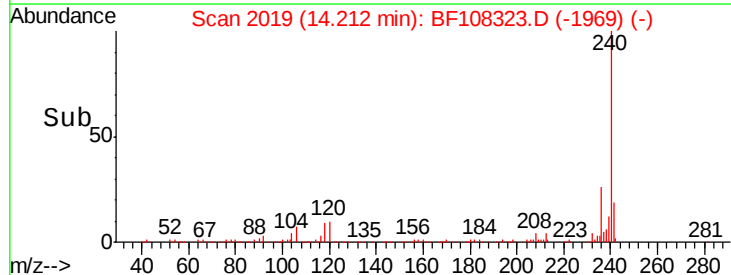
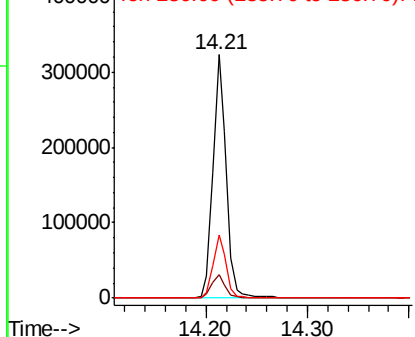


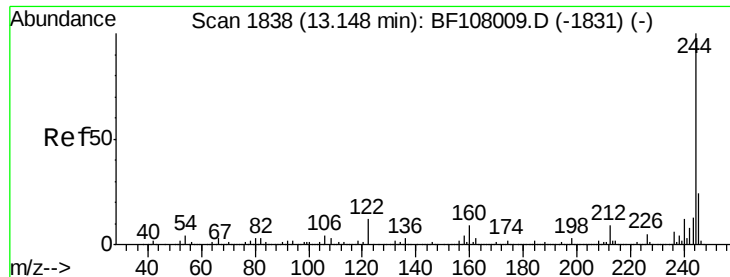
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108323.D
 Acq: 21 Aug 2018 7:15

Tgt Ion:240 Resp: 292326
 Ion Ratio Lower Upper
 240 100
 120 9.8 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: 126.417 ng

RT: 13.15 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

Instrument :

BNA_F

ClientSampleId :

CHRT26100

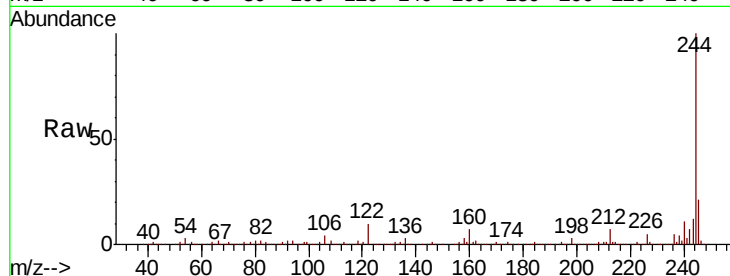
Tot Ion:244 Resp: 1453456

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

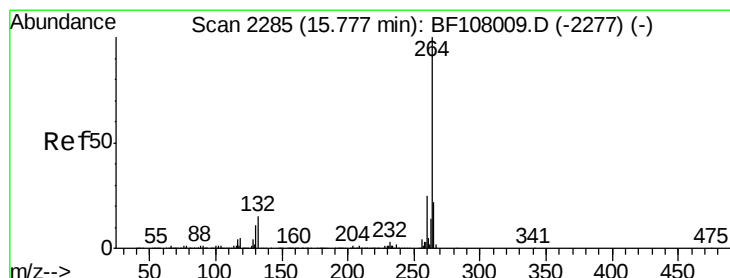
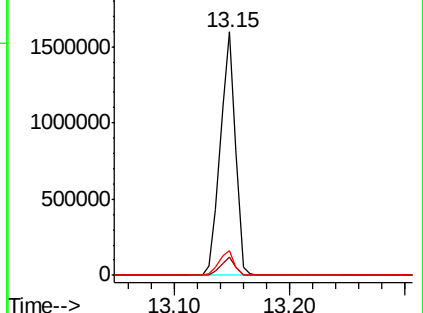
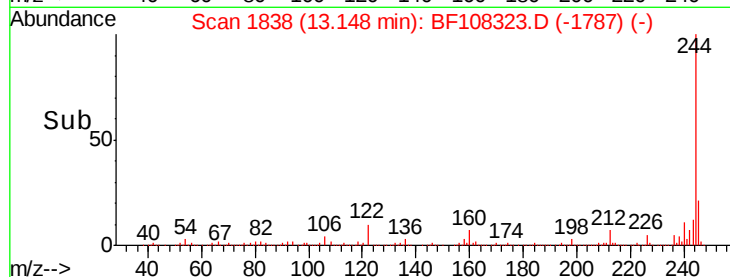
122 10.4 11.0 16.4#



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: 15.78 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF108323.D

Acq: 21 Aug 2018 7:15

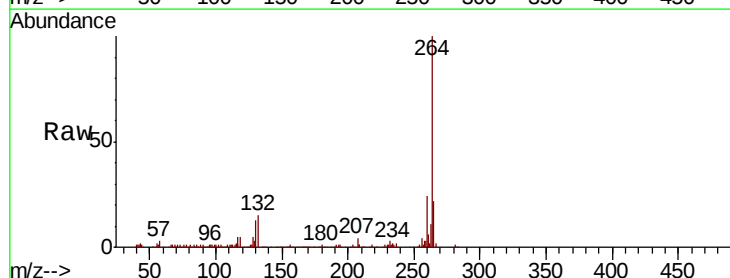
Tgt Ion:264 Resp: 220905

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.7 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

