

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108649.D
 Acq On : 30 Aug 2018 19:23
 Operator : JU/SJ
 Sample : J4275-19 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 01:11:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

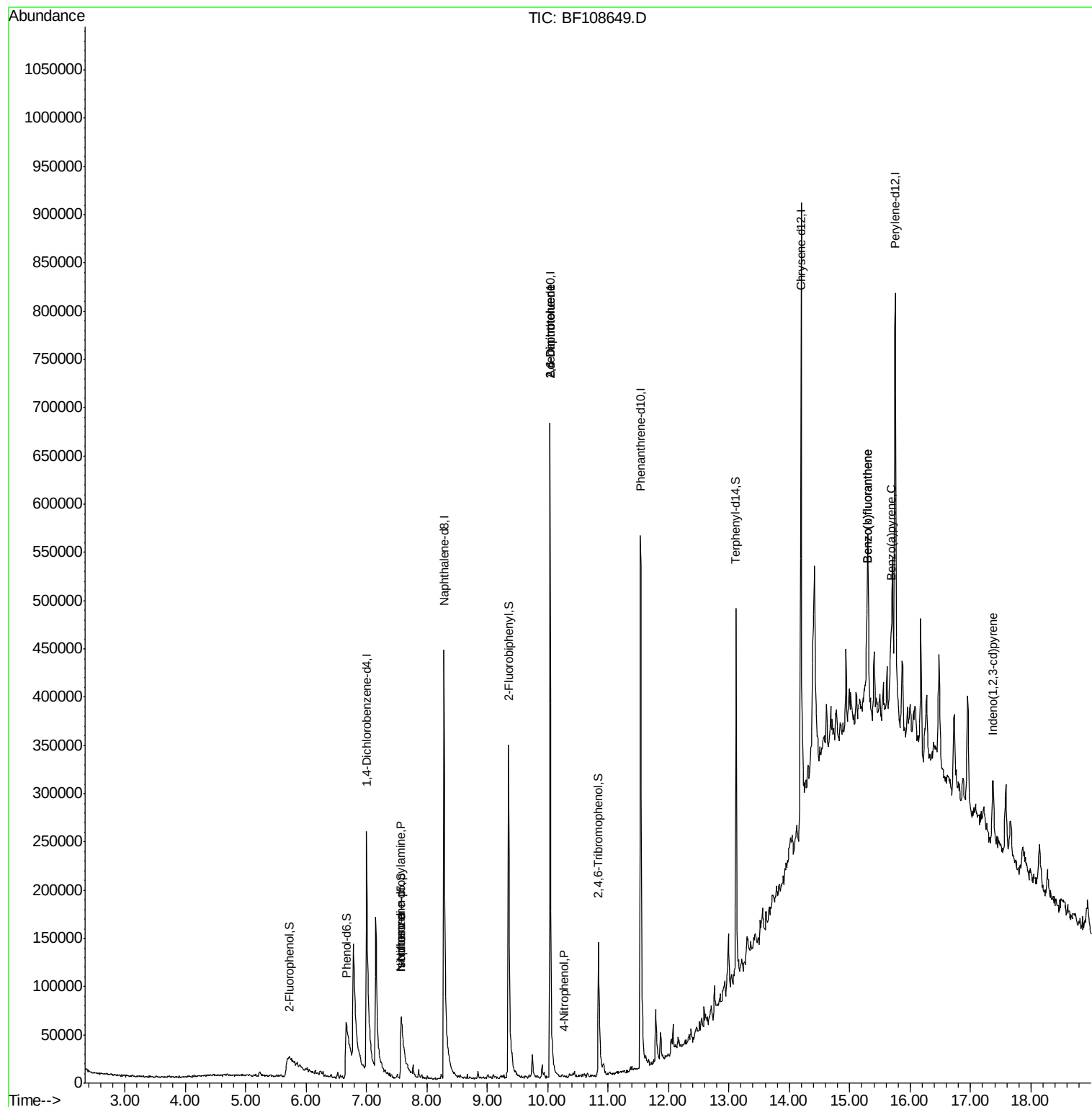
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	84300	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	388152	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	179883	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	305920	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	260908	20.00	ng	0.00
86) Perylene-d12	15.75	264	275659	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	16585	3.42	ng	0.07
7) Phenol-d6	6.67	99	128668	18.51	ng	0.02
23) Nitrobenzene-d5	7.58	82	91710	11.99	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	34427	14.50	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	194744	14.56	ng	0.00
78) Terphenyl-d14	13.12	244	148148	11.03	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	11282	2.424	ng	# 82
25) Isophorone	7.58	82	91710	7.220	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	21976	7.038	ng	# 24
55) 4-Nitrophenol	10.26	139	109	4.807	ng	# 9
56) 2,4-Dinitrotoluene	10.04	165	21976	5.316	ng	# 21
85) Indeno(1,2,3-cd)pyrene	17.37	276	27436	2.580	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	77183	4.558	ng	# 77
88) Benzo(k)fluoranthene	15.28	252	77183	4.601	ng	# 80
89) Benzo(a)pyrene	15.68	252	40433	2.642	ng	# 89

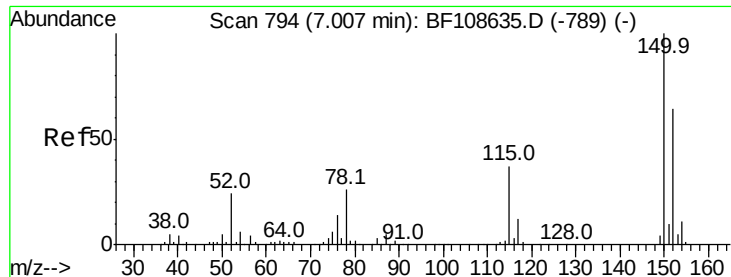
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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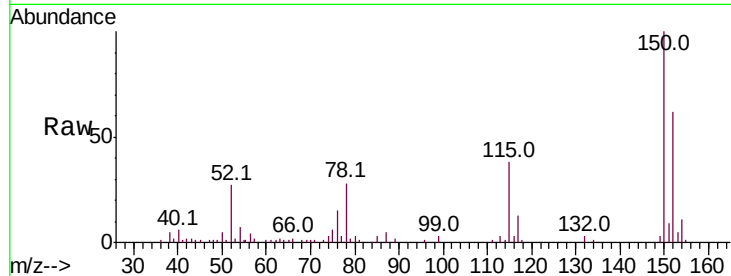


#1

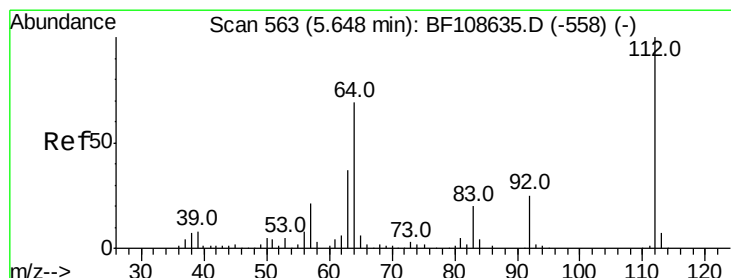
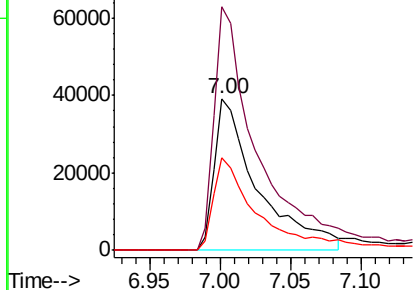
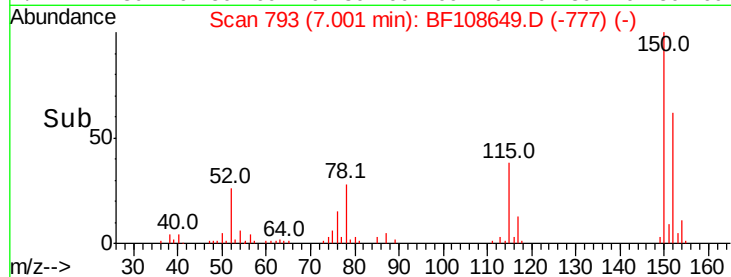
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108649.D
Acq: 30 Aug 2018 19:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 84300
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 60.8 50.1 75.1



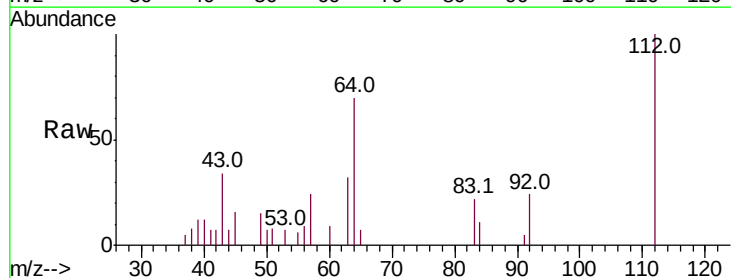
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



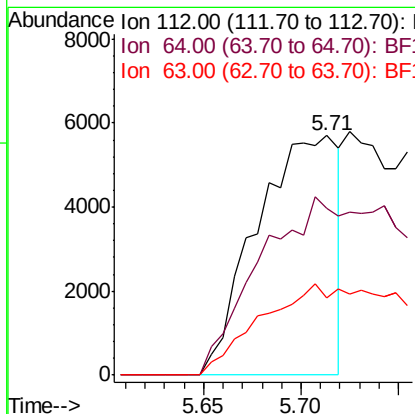
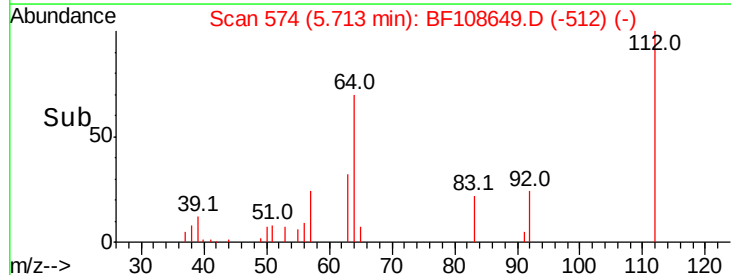
#5

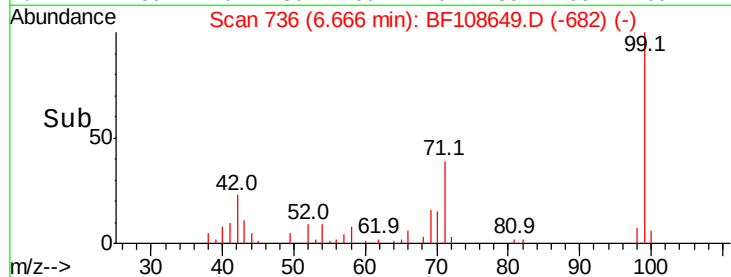
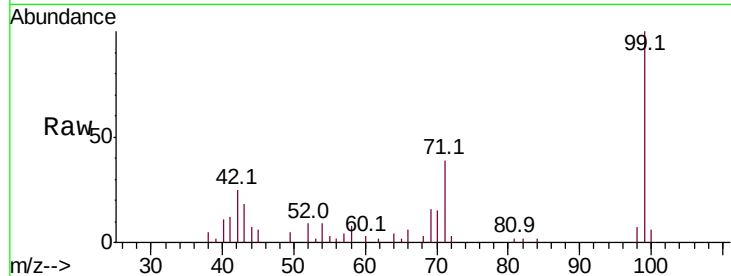
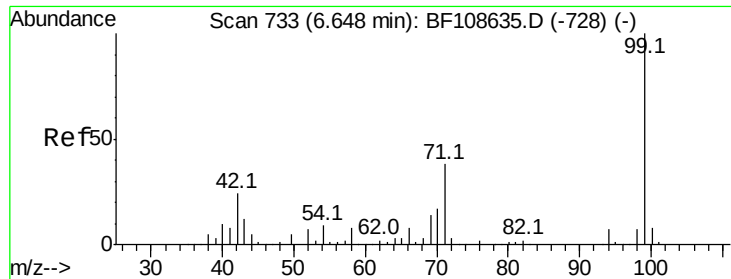
2-Fluorophenol
Concen: 3.418 ng
RT: 5.71 min Scan# 574
Delta R.T. 0.07 min
Lab File: BF108649.D
Acq: 30 Aug 2018 19:23

Tgt Ion:112 Resp: 16585
Ion Ratio Lower Upper
112 100
64 69.9 47.9 71.9
63 32.5 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: 18.513 ng

RT: 6.67 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampled :

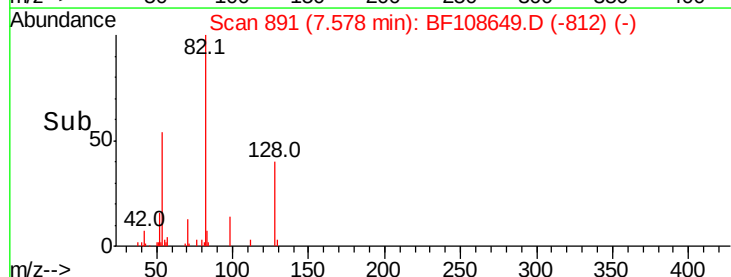
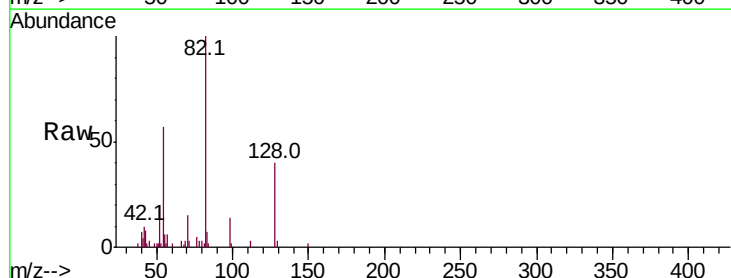
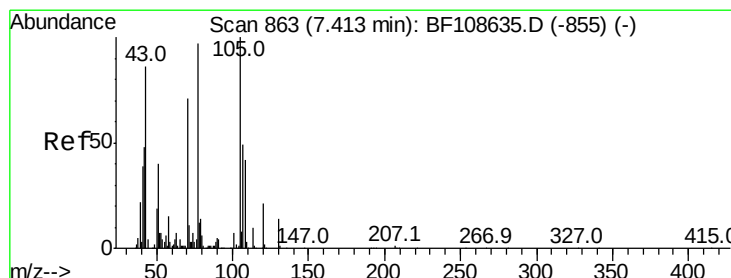
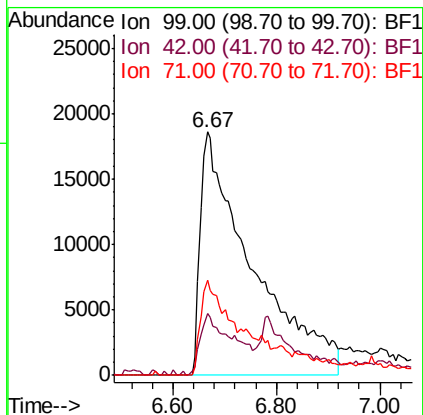
Tot Ion: 99 Resp: 128668

Ion Ratio Lower Upper

99 100

42 25.2 14.5 21.7#

71 39.3 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 2.424 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.16 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Tgt Ion: 70 Resp: 11282

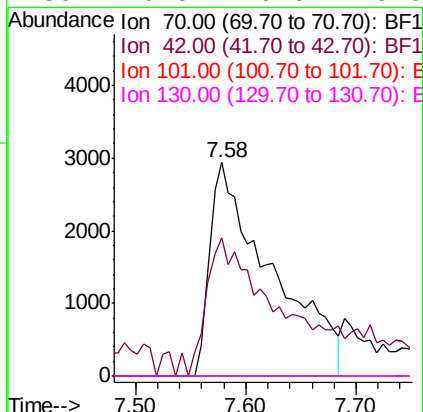
Ion Ratio Lower Upper

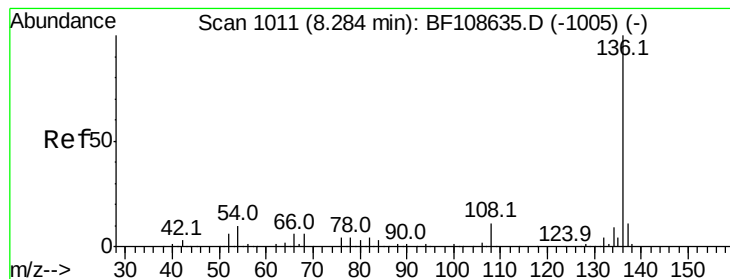
70 100

42 65.0 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 388152

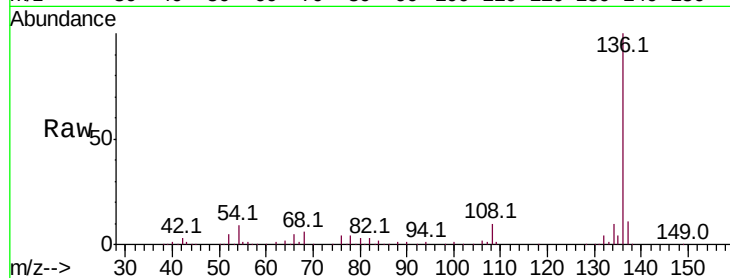
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.3 6.6 9.8

68 5.5 5.0 7.4

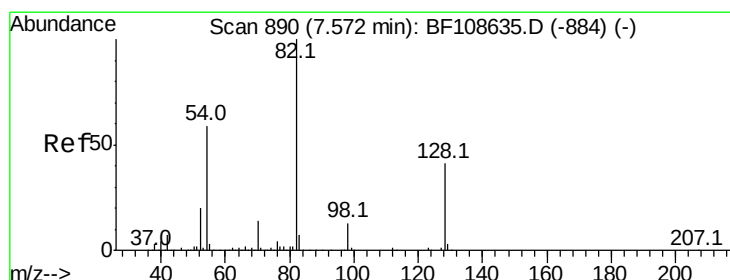
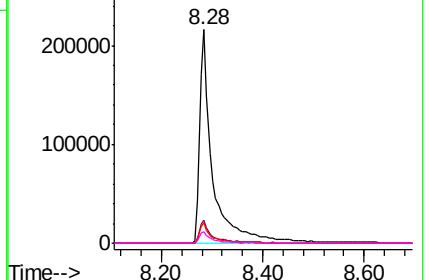
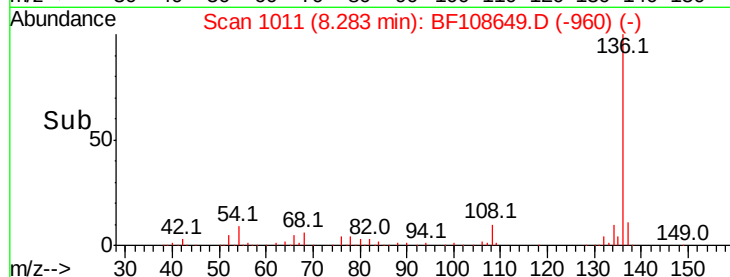


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.993 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.01 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

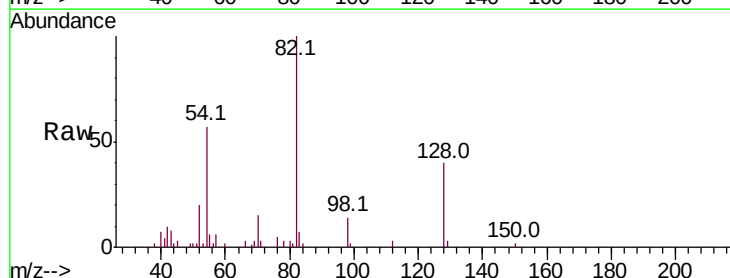
Tgt Ion: 82 Resp: 91710

Ion Ratio Lower Upper

82 100

128 39.8 36.1 54.1

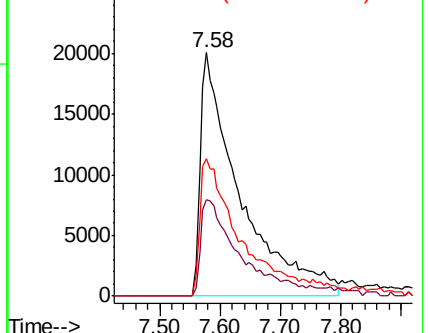
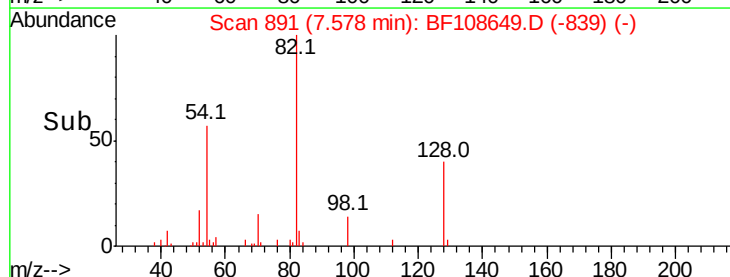
54 56.6 41.4 62.2

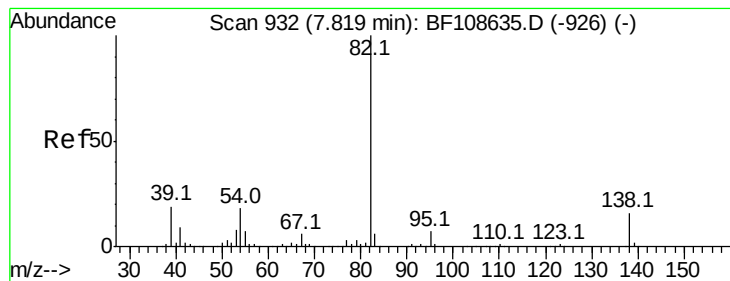


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.220 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.24 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

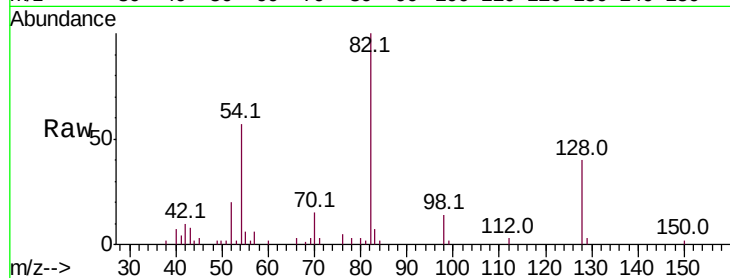
Tot Ion: 82 Resp: 91710

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

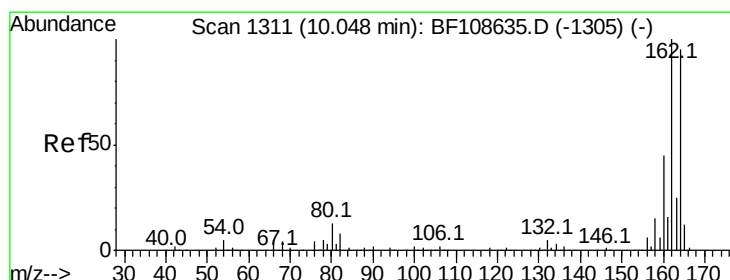
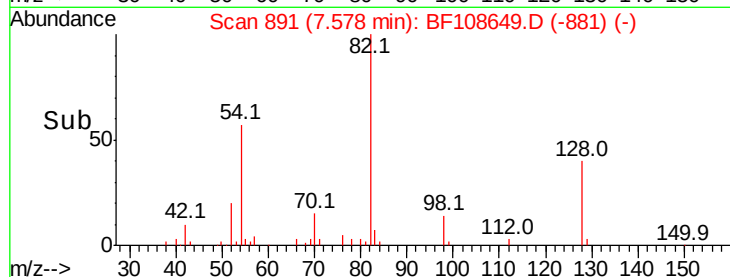
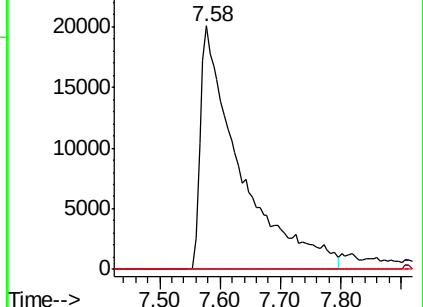
138 0.0 14.9 22.3#



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: BF108649.D

Acq: 30 Aug 2018 19:23

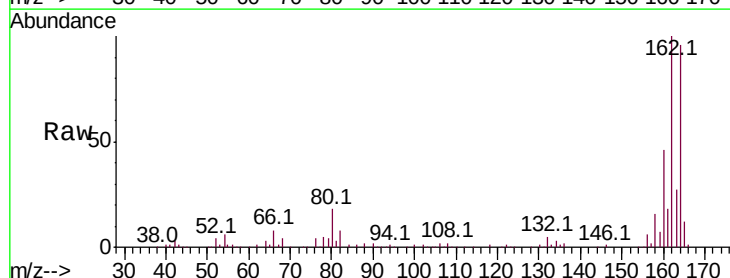
Tgt Ion:164 Resp: 179883

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

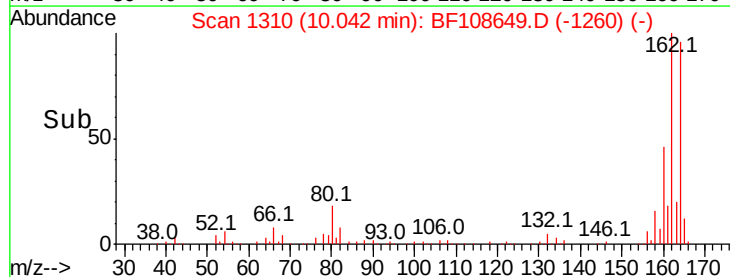
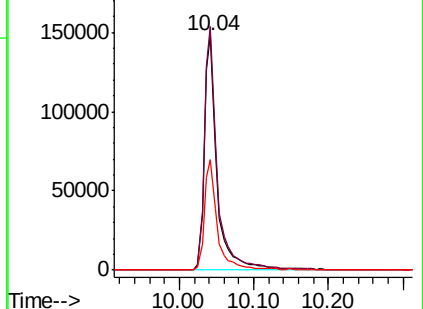
160 47.3 38.3 57.5

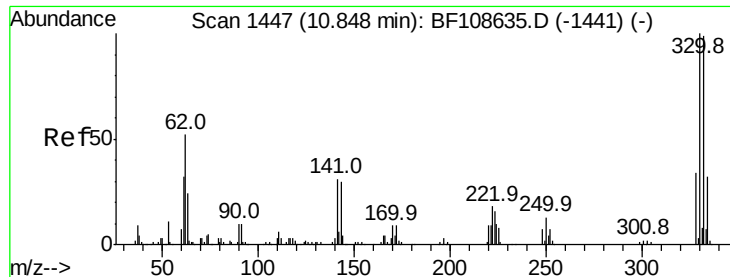


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

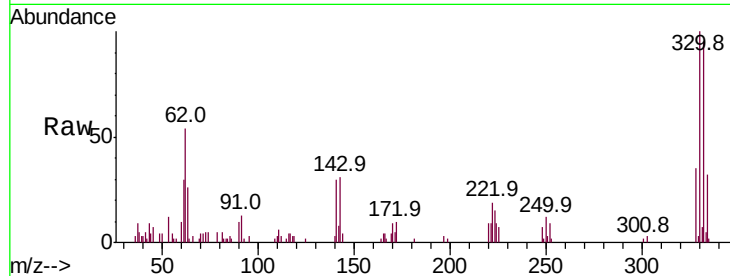




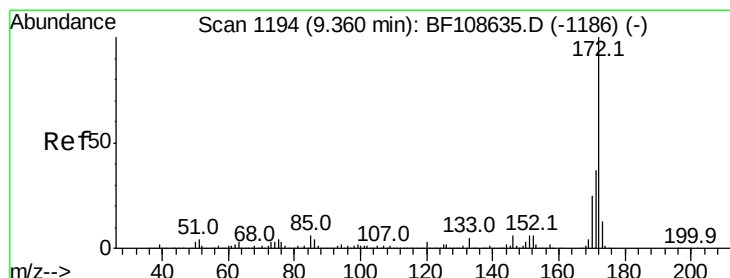
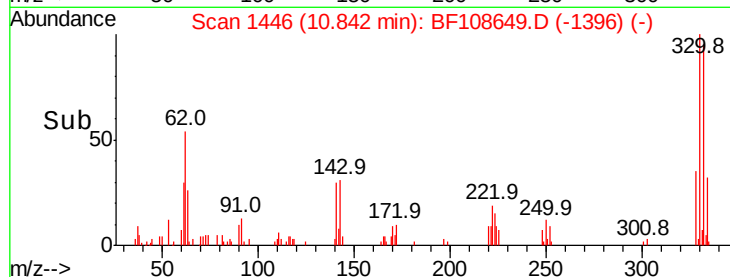
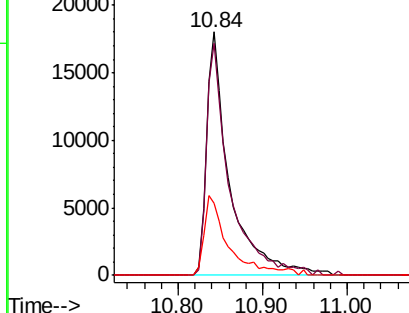
#41
 2,4,6-Tribromophenol
 Concen: 14.498 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108649.D
 Acq: 30 Aug 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	34.7	29.9	44.9

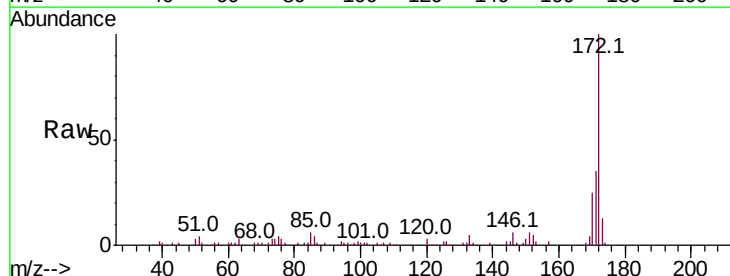


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

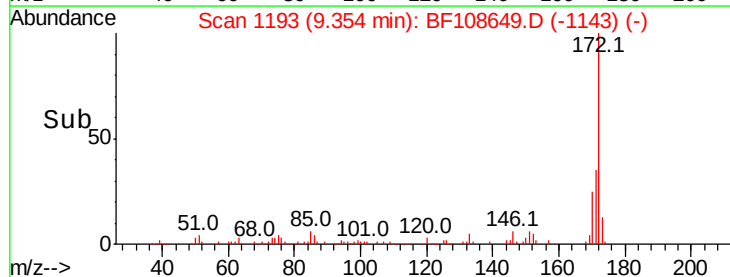
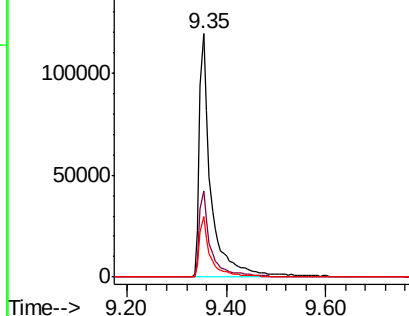


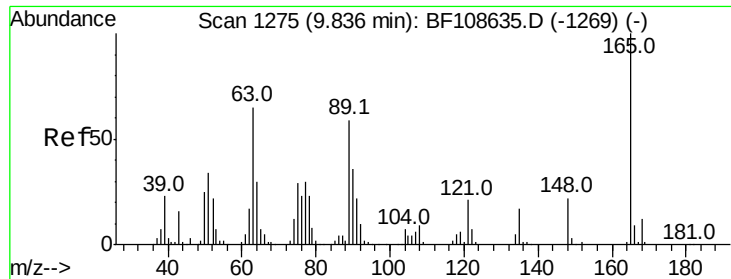
#44
 2-Fluorobiphenyl
 Concen: 14.557 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108649.D
 Acq: 30 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	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: 7.038 ng

RT: 10.04 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

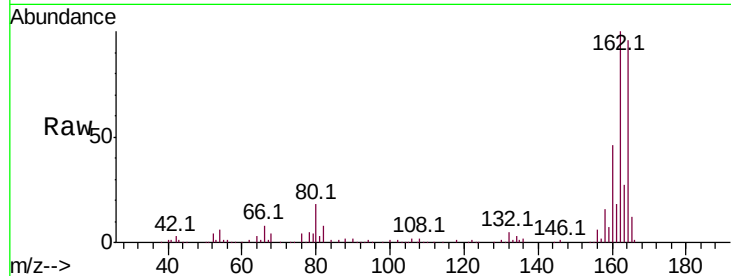
Tot Ion:165 Resp: 21976

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

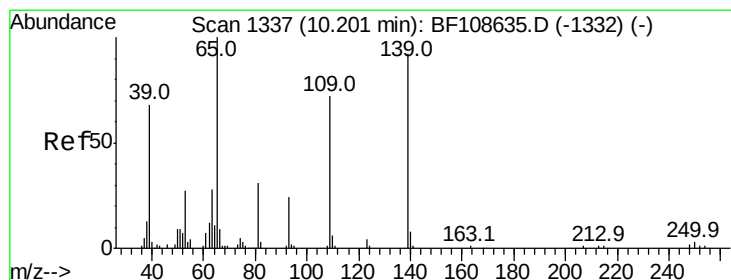
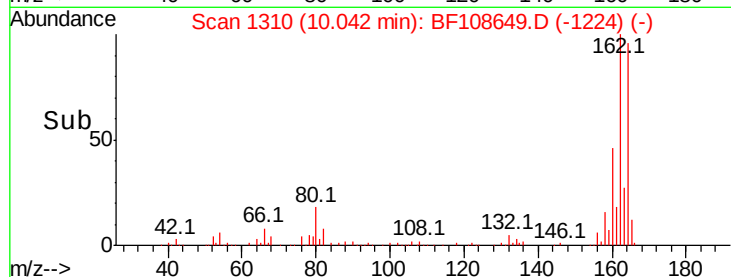
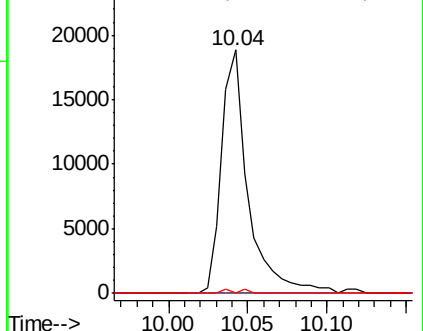
89 0.0 44.0 66.0#



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



#55

4-Nitrophenol

Concen: 4.807 ng

RT: 10.26 min Scan# 1347

Delta R.T. 0.06 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

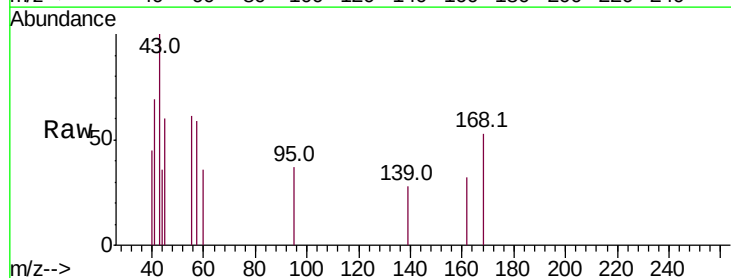
Tgt Ion:139 Resp: 109

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

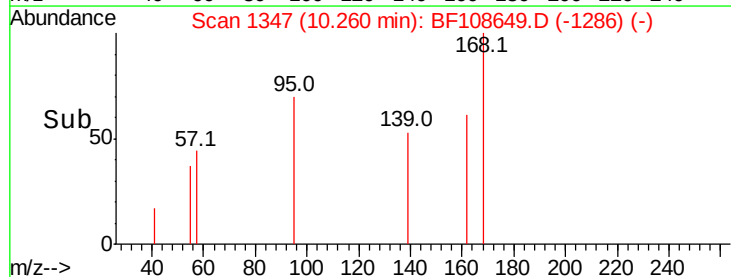
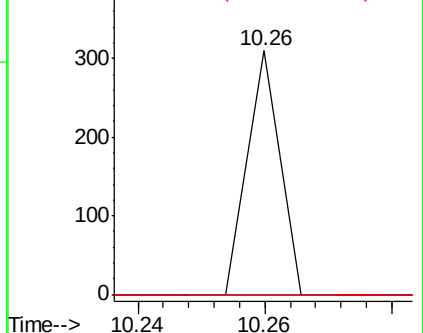
65 0.0 72.6 112.6#

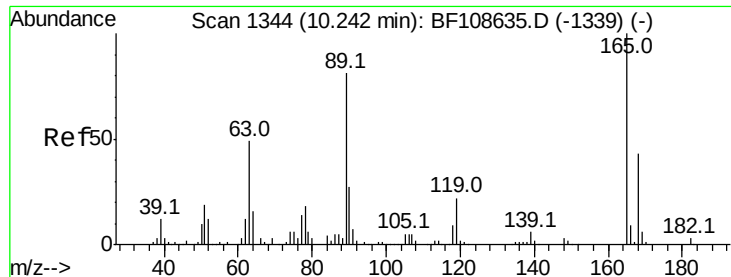


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

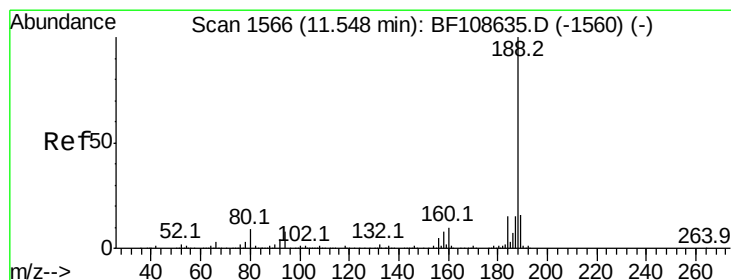
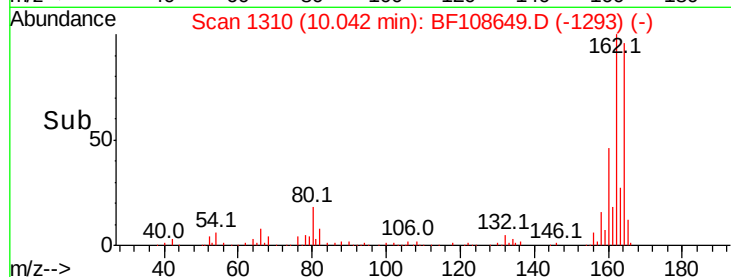
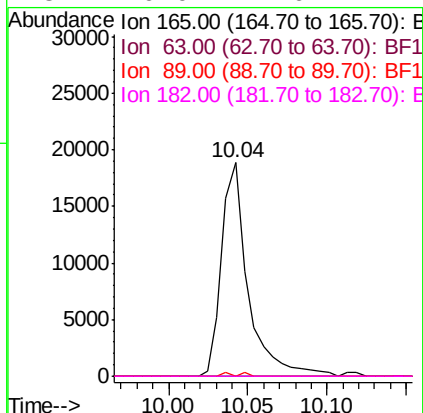
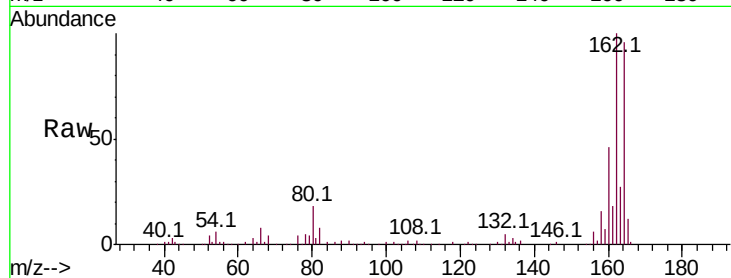




#56
 2,4-Dinitrotoluene
 Concen: 5.316 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108649.D
 Acq: 30 Aug 2018 19:23

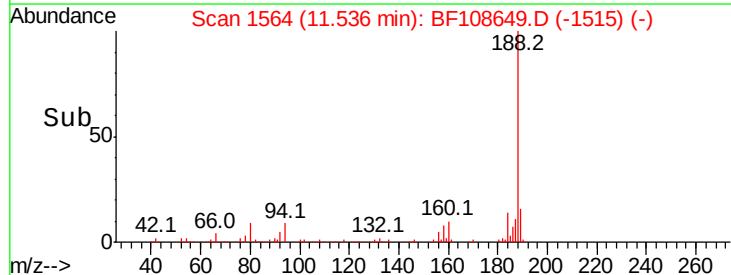
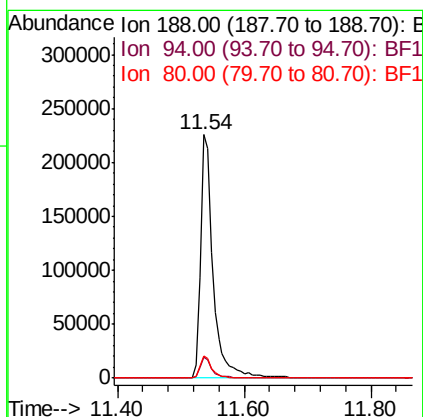
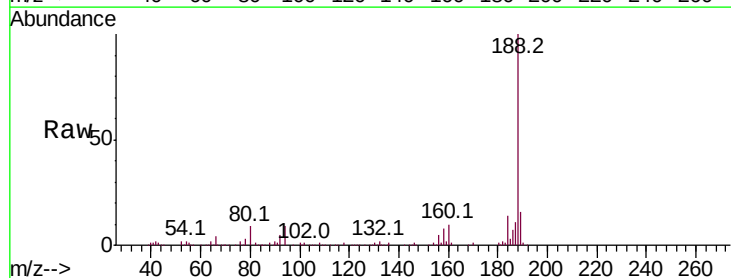
Instrument :
 BNA_F
 ClientSampleId :

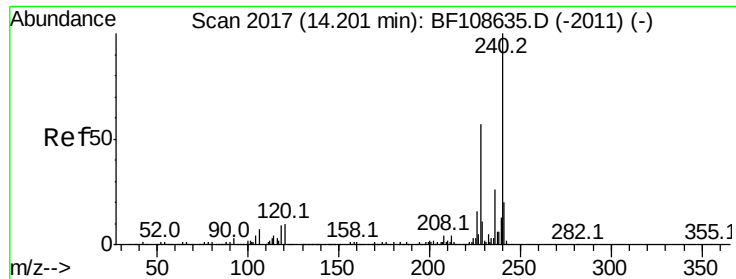
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108649.D
 Acq: 30 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.1	9.2	13.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

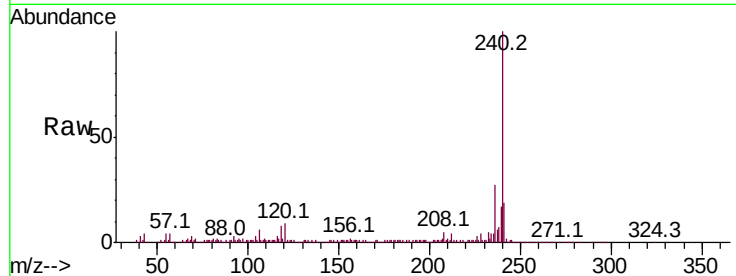
Tot Ion:240 Resp: 260908

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

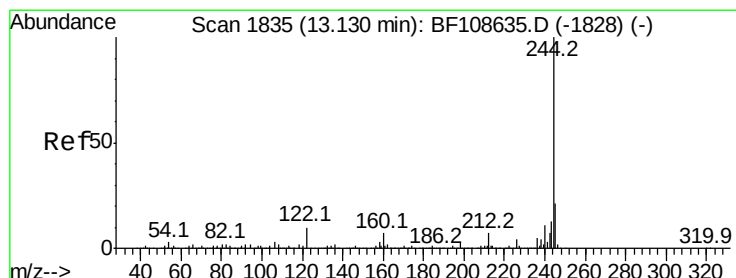
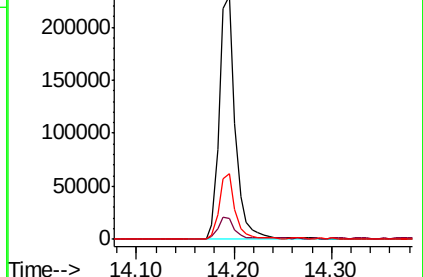
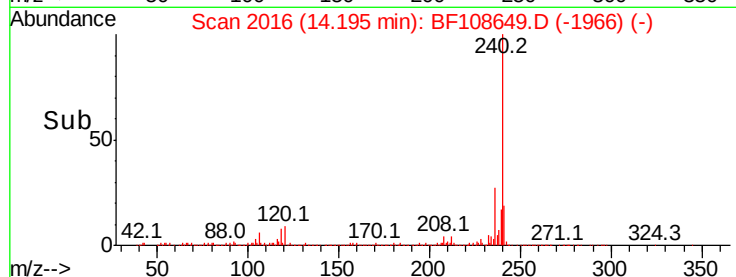
236 26.9 20.7 31.1



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: 11.032 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

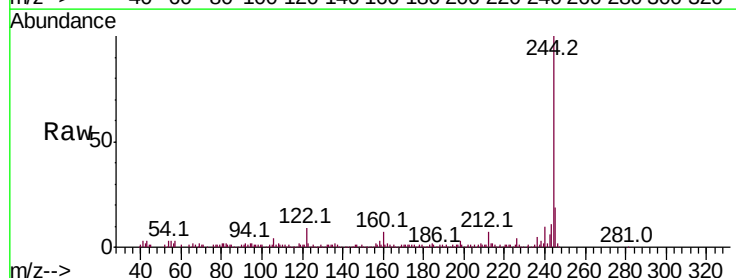
Tgt Ion:244 Resp: 148148

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

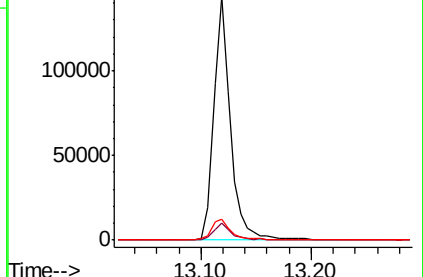
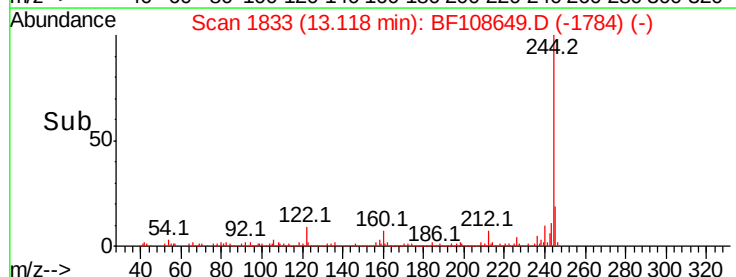
122 8.7 11.0 16.4#

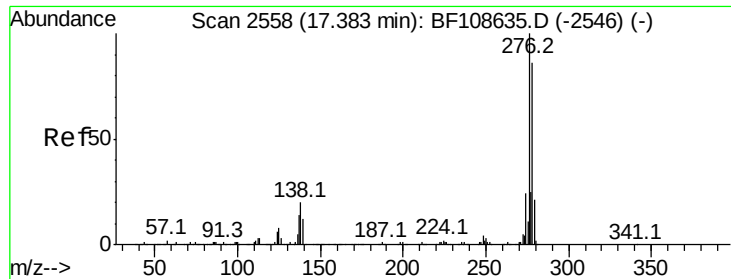


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.580 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

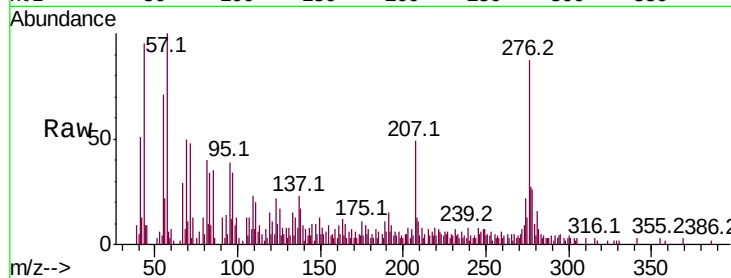
Tot Ion:276 Resp: 27436

Ion Ratio Lower Upper

276 100

138 23.3 25.0 37.6#

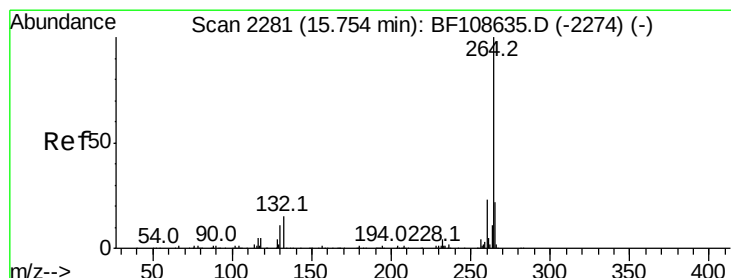
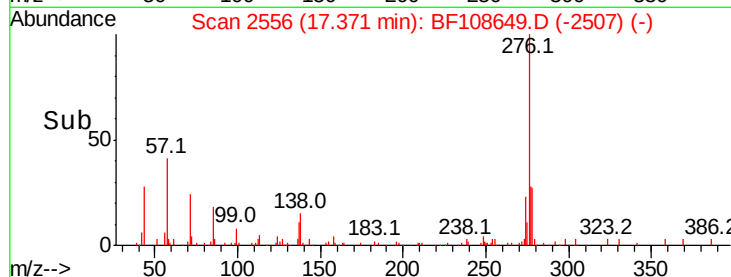
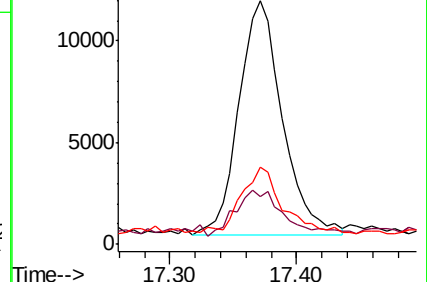
277 27.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

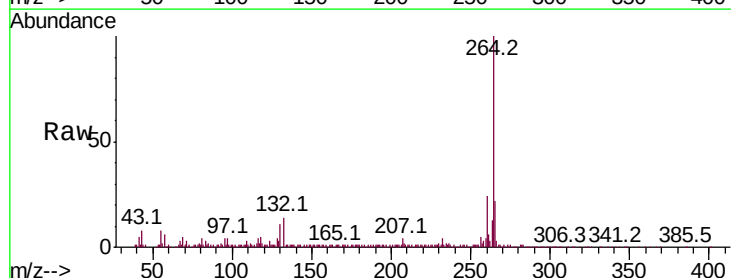
Tgt Ion:264 Resp: 275659

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

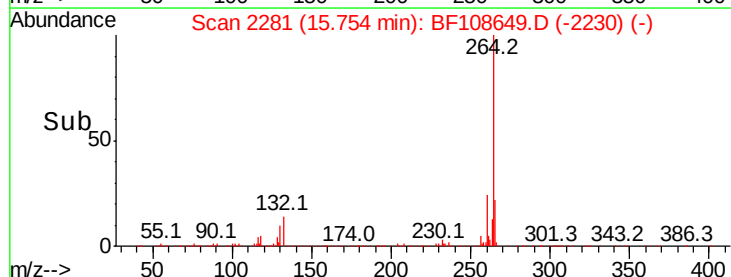
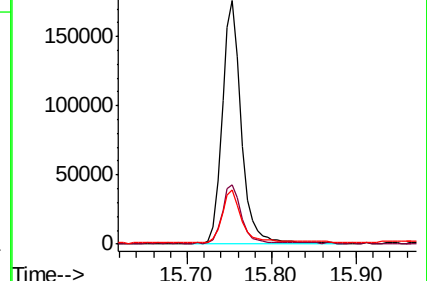
265 22.1 17.5 26.3

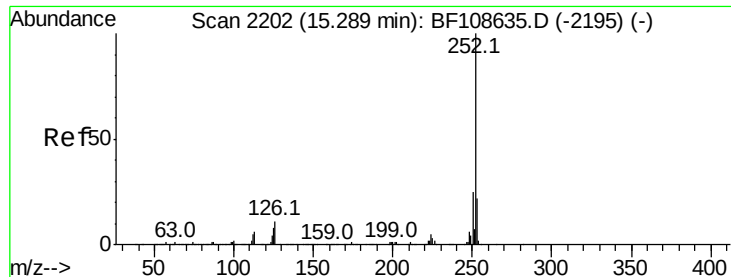


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.558 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

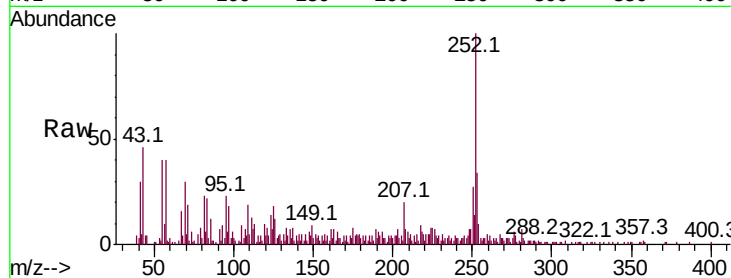
Tot Ion:252 Resp: 77183

Ion Ratio Lower Upper

252 100

253 33.7 17.0 25.6#

125 17.8 9.0 13.6#

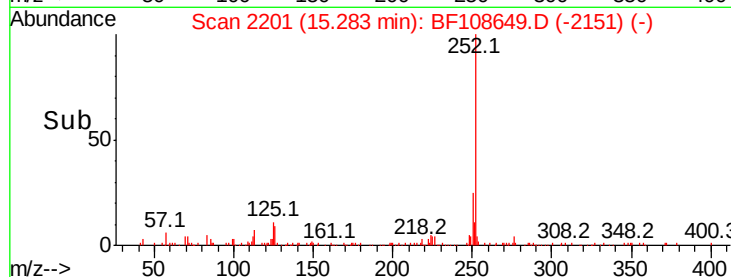


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

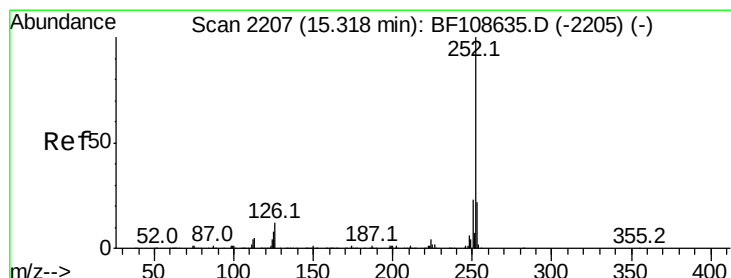


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#88

Benzo(k)fluoranthene

Concen: 4.601 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.04 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

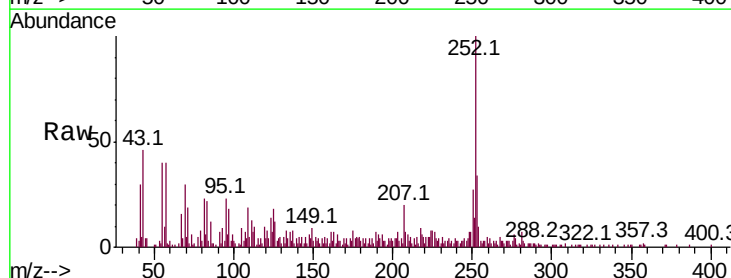
Tgt Ion:252 Resp: 77183

Ion Ratio Lower Upper

252 100

253 33.7 17.9 26.9#

125 17.8 10.2 15.2#

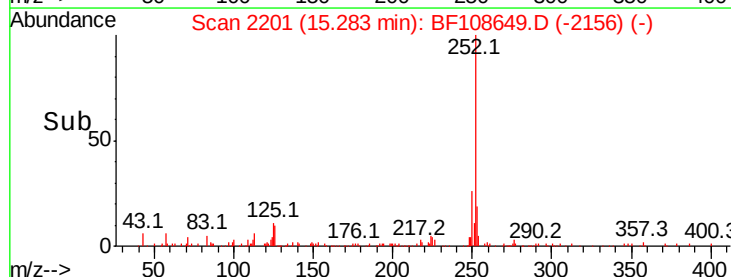


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

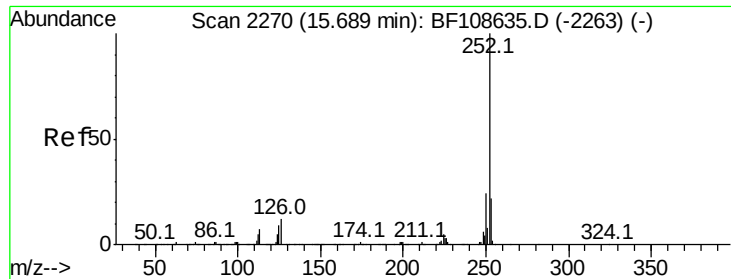


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#89

Benzo(a)pyrene

Concen: 2.642 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF108649.D

Acq: 30 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

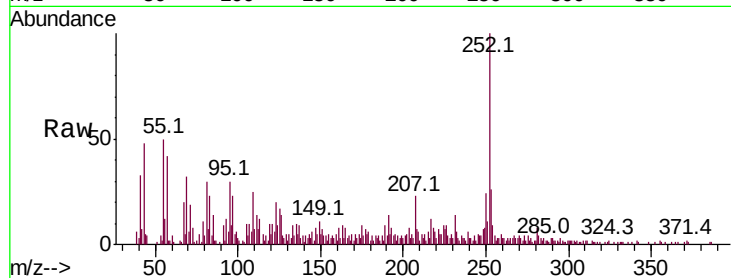
Tot Ion:252 Resp: 40433

Ion Ratio Lower Upper

252 100

253 26.4 17.1 25.7#

125 16.5 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

