

Data File : BF111098.D
Acq On : 29 Nov 2018 18:47
Operator : JU/SJ
Sample : J5767-23 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-112818-D

Quant Time: Nov 30 02:38:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 29 10:35:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	58643	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	241307	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	98752	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	156879	20.00	ng	0.00
76) Chrysene-d12	14.13	240	138921	20.00	ng	0.00
87) Perylene-d12	15.67	264	95618	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	160126	45.28	ng	0.00
7) Phenol-d6	6.56	99	214519	46.55	ng	0.00
23) Nitrobenzene-d5	7.50	82	128777	30.54	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	38071	38.82	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	221546	32.50	ng	0.00
79) Terphenyl-d14	13.05	244	180577	25.30	ng	0.00

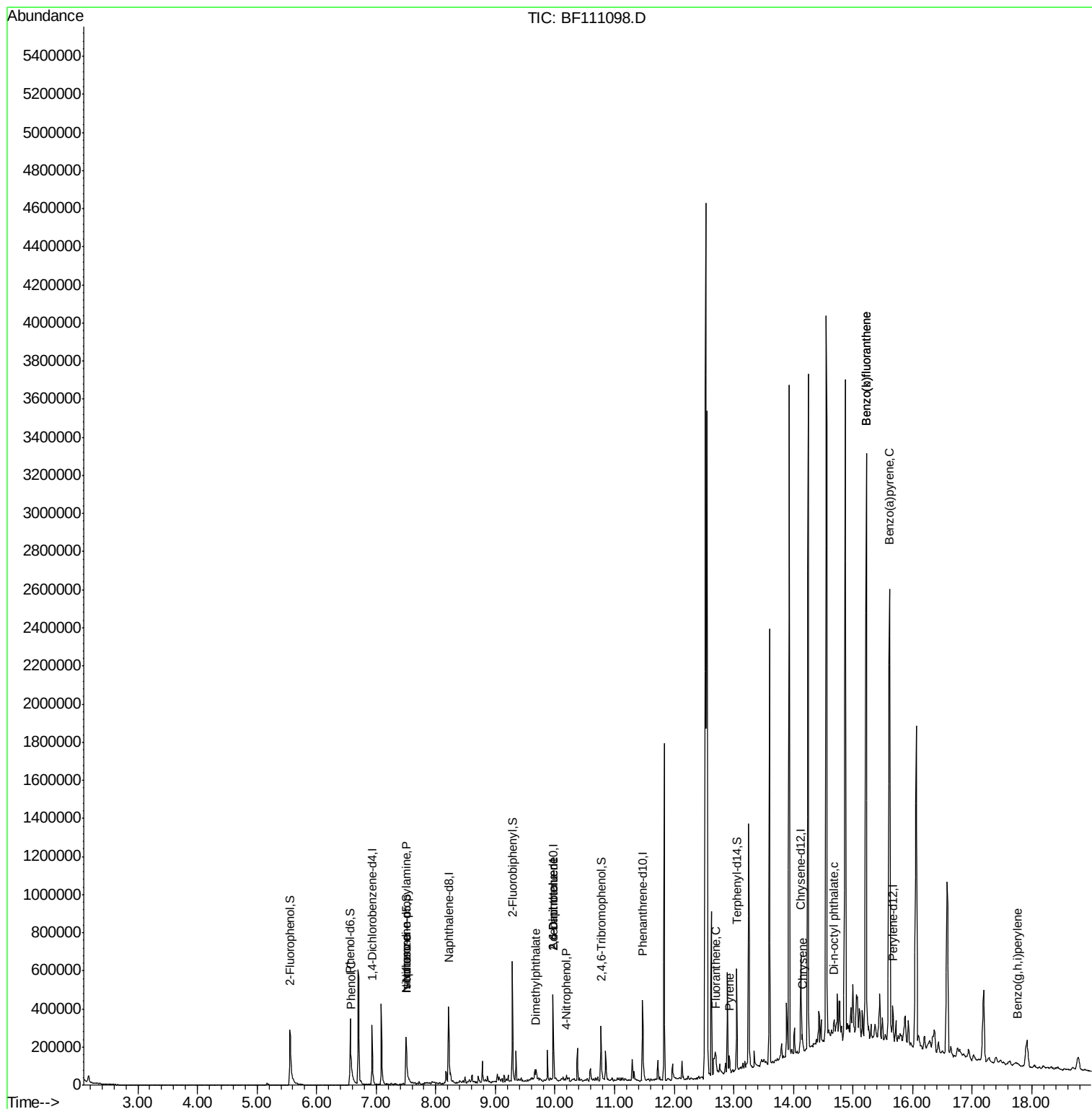
Target Compounds				Qvalue		
9) Benzaldehyde	6.70	77	3868	Below Cal	#	81
10) Phenol	6.58	94	17080	3.291 ng		83
19) n-Nitroso-di-n-propylamine	7.50	70	17874	5.954 ng	#	83
25) Isophorone	7.50	82	128777	18.619 ng	#	67
50) Dimethylphthalate	9.68	163	18742	2.588 ng		99
51) 2,6-Dinitrotoluene	9.97	165	13138	8.148 ng	#	23
56) 4-Nitrophenol	10.19	139	111	4.338 ng	#	3
57) 2,4-Dinitrotoluene	9.97	165	13138	6.281 ng	#	19
75) Fluoranthene	12.69	202	28813	3.374 ng		95
78) Pyrene	12.93	202	34850	3.435 ng		98
83) Chrysene	14.16	228	18474	2.288 ng	#	90
85) Di-n-octyl phthalate	14.68	149	21072	2.187 ng	#	67
88) Benzo(b)fluoranthene	15.21	252	23850	4.246 ng	#	1
89) Benzo(k)fluoranthene	15.21	252	23926	4.138 ng	#	1
90) Benzo(a)pyrene	15.60	252	12960	2.479 ng	#	1
92) Benzo(g,h,i)perylene	17.76	276	8569	2.060 ng	#	70

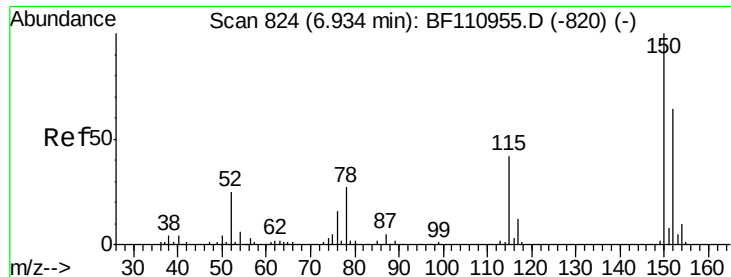
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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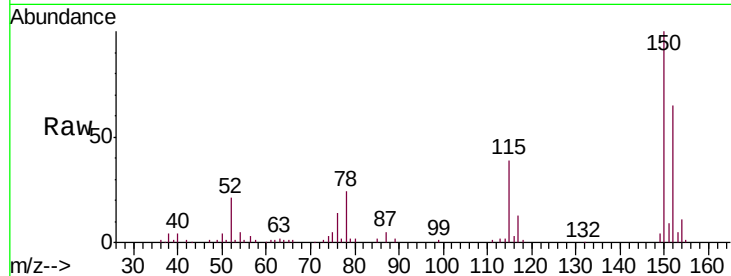




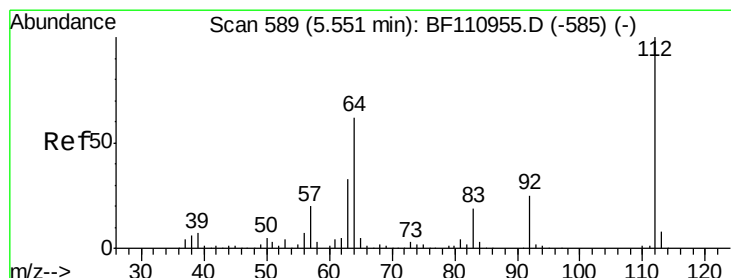
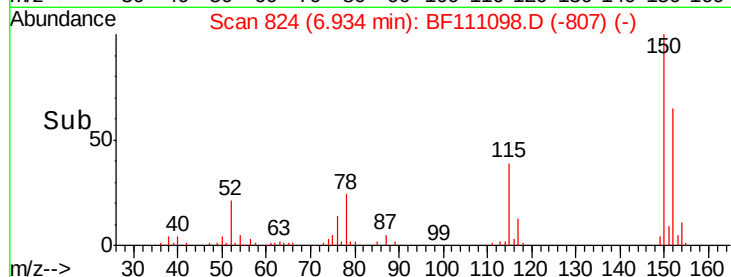
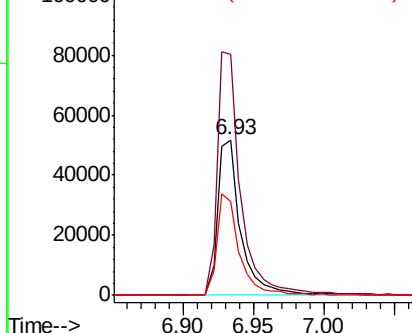
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BF111098.D
 Acq: 29 Nov 2018 18:47

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112818-D

Tgt Ion:152 Resp: 58643
 Ion Ratio Lower Upper
 152 100
 150 155.0 122.7 184.1
 115 60.0 49.1 73.7

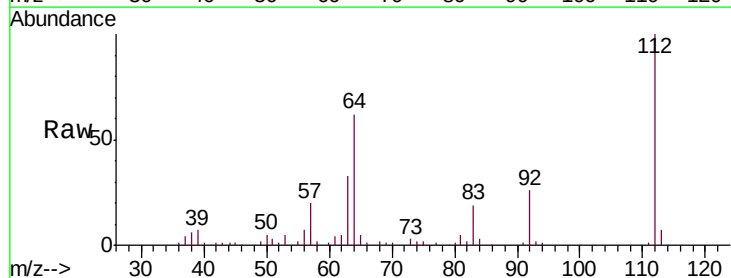


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

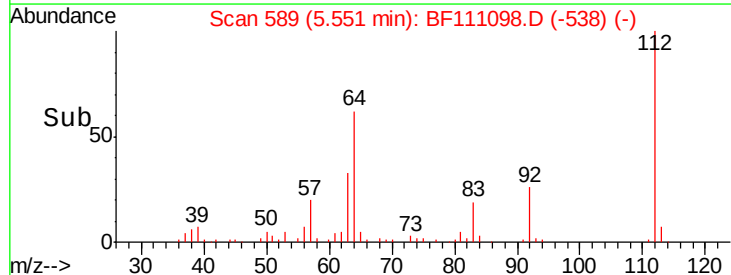
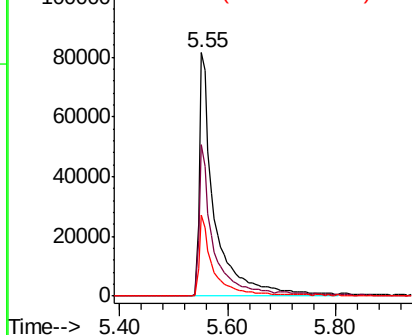


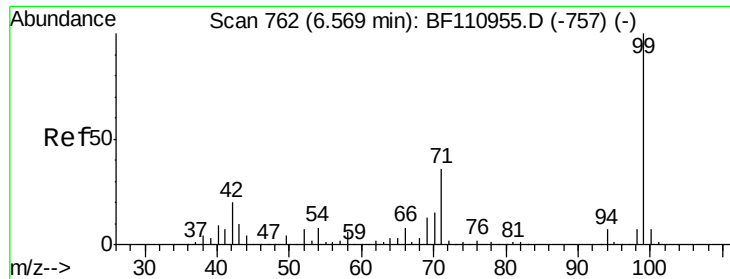
#5
 2-Fluorophenol
 Concen: 45.281 ng
 RT: 5.55 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: BF111098.D
 Acq: 29 Nov 2018 18:47

Tgt Ion:112 Resp: 160126
 Ion Ratio Lower Upper
 112 100
 64 62.2 44.1 66.1
 63 33.3 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: 46.550 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

Instrument :

BNA_F

ClientSampleId :

CL-02-112818-D

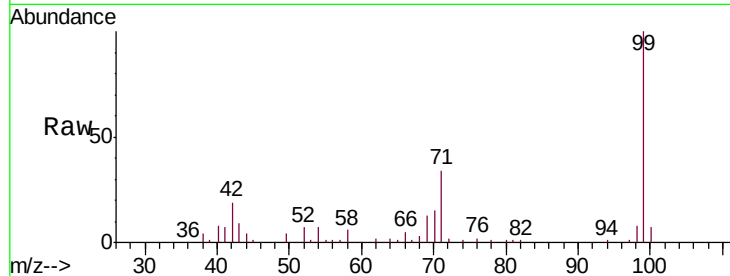
Tgt Ion: 99 Resp: 214519

Ion Ratio Lower Upper

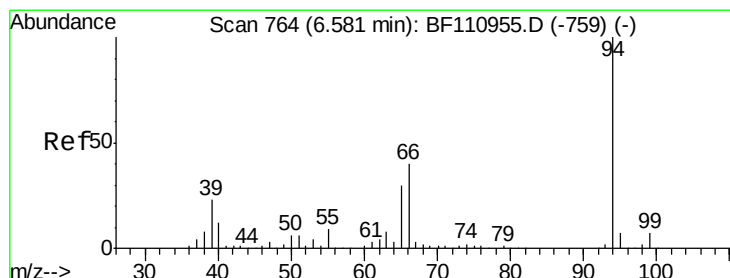
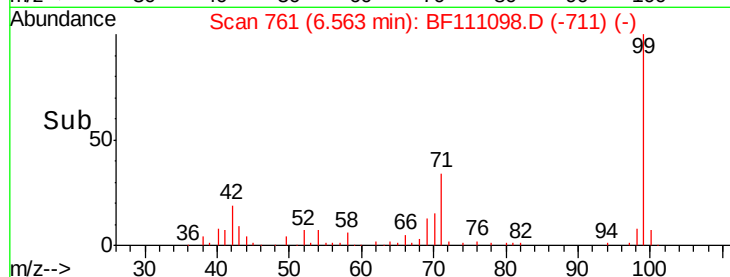
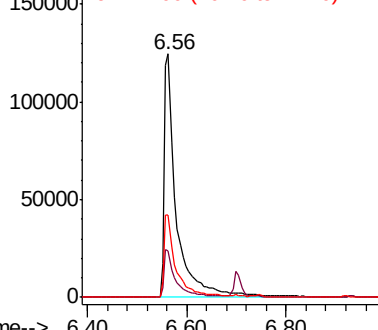
99 100

42 18.9 15.8 23.6

71 33.9 28.0 42.0



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



#10

Phenol

Concen: 3.291 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

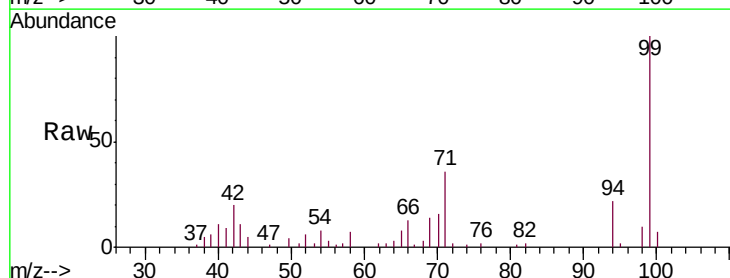
Tgt Ion: 94 Resp: 17080

Ion Ratio Lower Upper

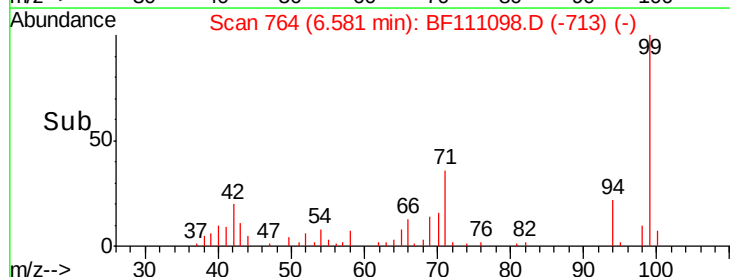
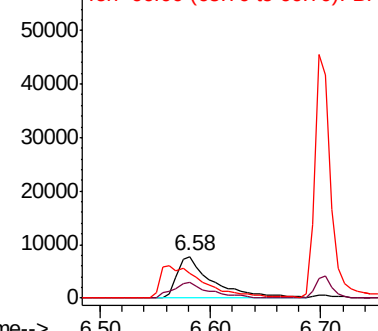
94 100

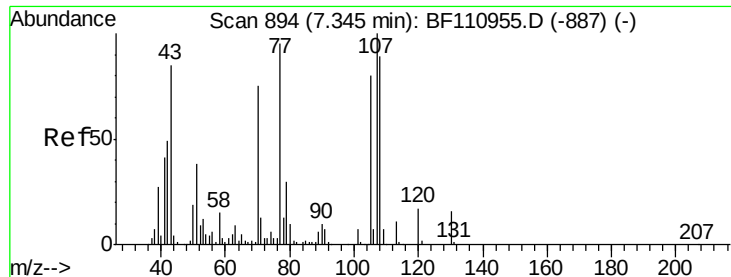
65 36.5 25.3 65.3

66 57.8 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

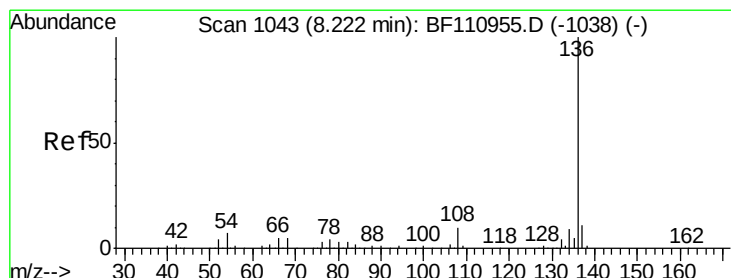
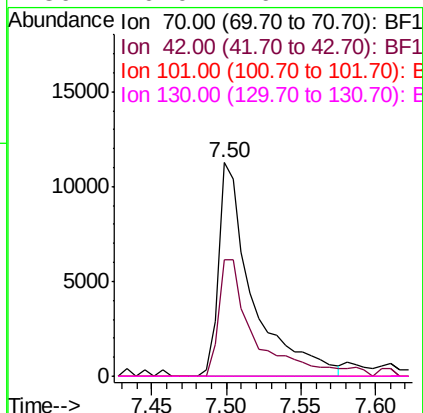
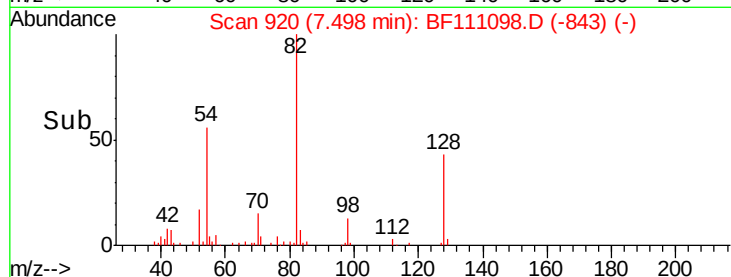
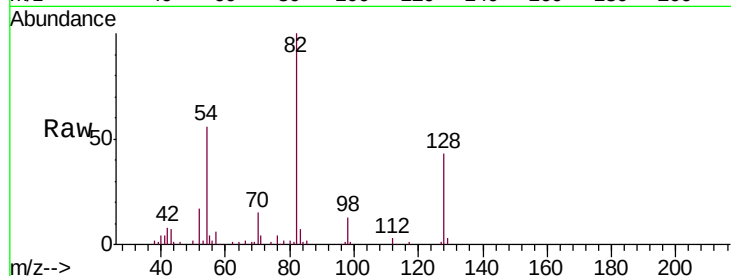




#19
n-Nitroso-di-n-propylamine
Concen: 5.954 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.15 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

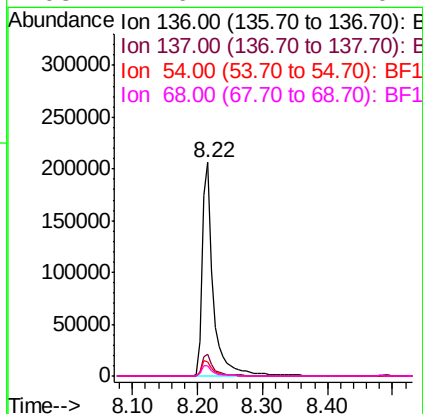
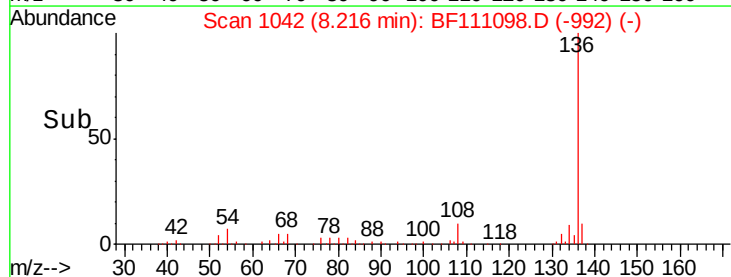
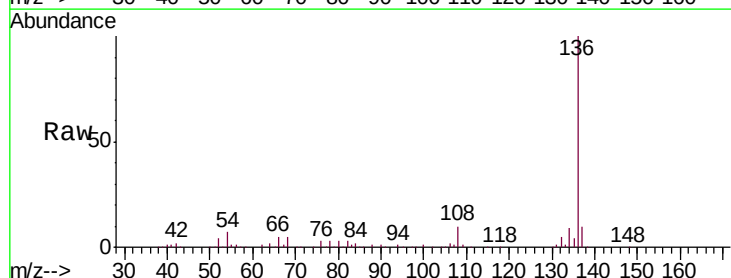
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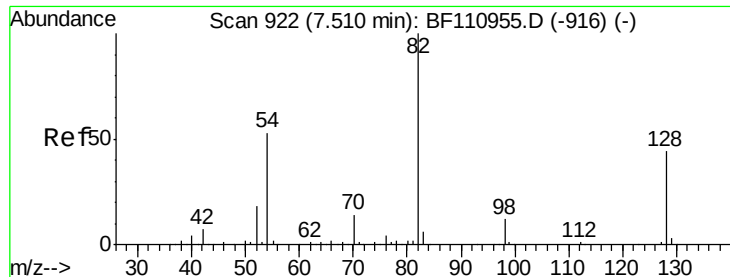
Tgt Ion: 70 Resp: 17874
Ion Ratio Lower Upper
70 100
42 54.6 47.4 71.2
101 0.0 7.3 10.9#
130 0.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

Tgt Ion: 136 Resp: 241307
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 6.8 5.4 8.2
68 4.6 4.2 6.2

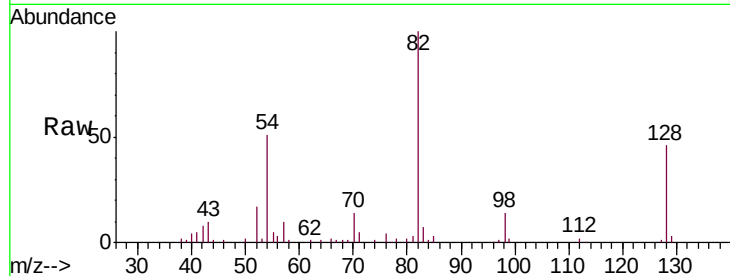




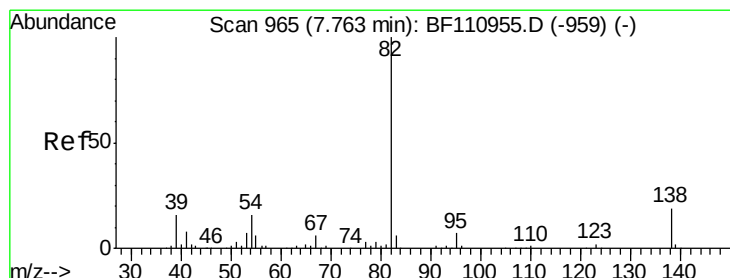
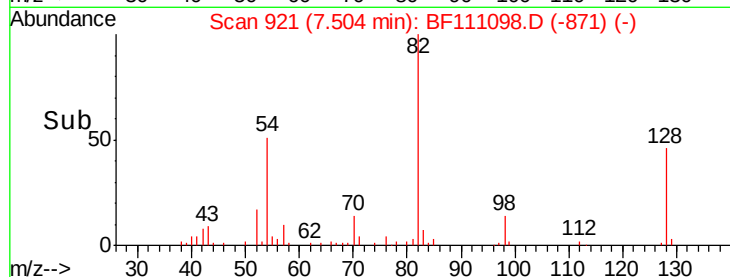
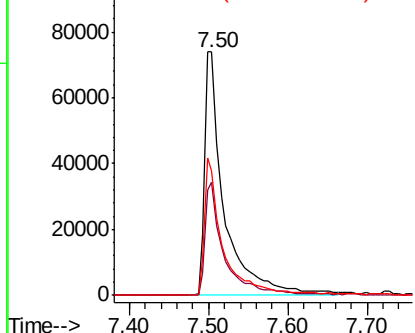
#23
Nitrobenzene-d5
Concen: 30.542 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

Instrument :
BNA_F
ClientSampleId :
CL-02-112818-D

Tgt Ion: 82 Resp: 128777
Ion Ratio Lower Upper
82 100
128 46.2 34.2 51.2
54 51.0 38.6 58.0

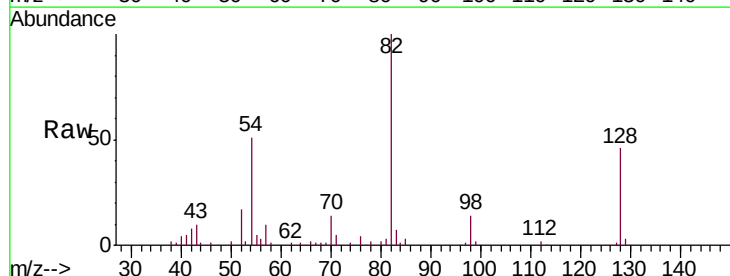


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

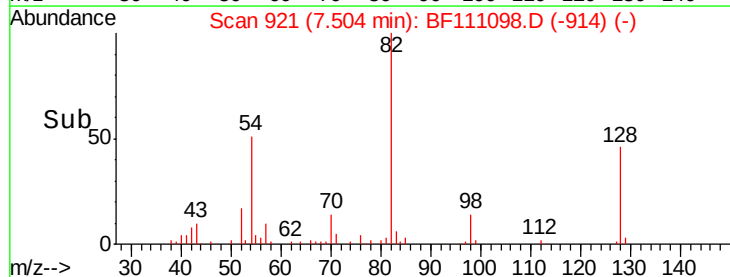
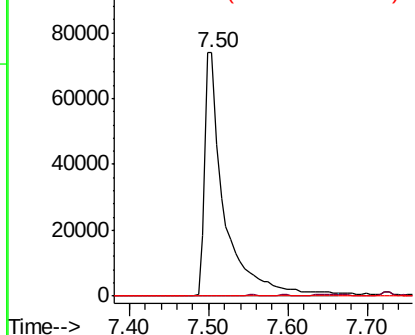


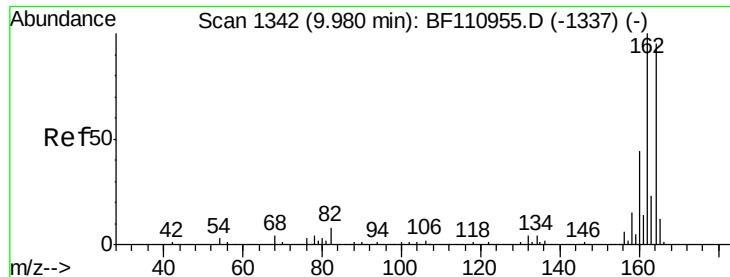
#25
Isophorone
Concen: 18.619 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

Tgt Ion: 82 Resp: 128777
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



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

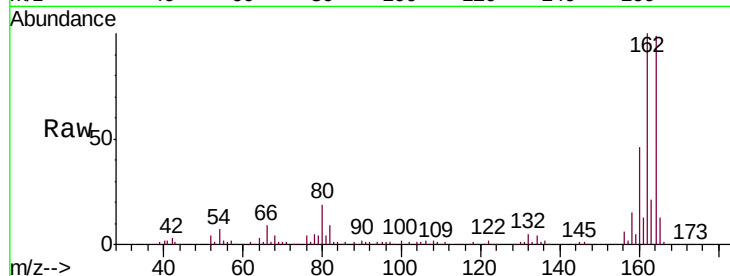




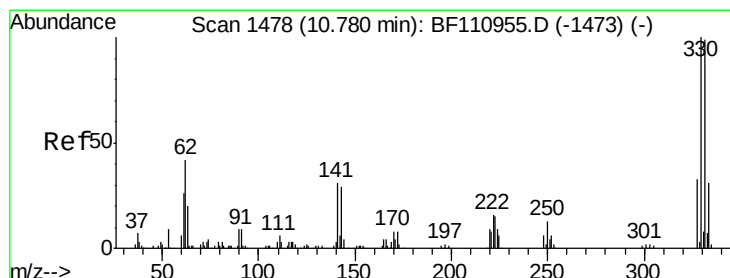
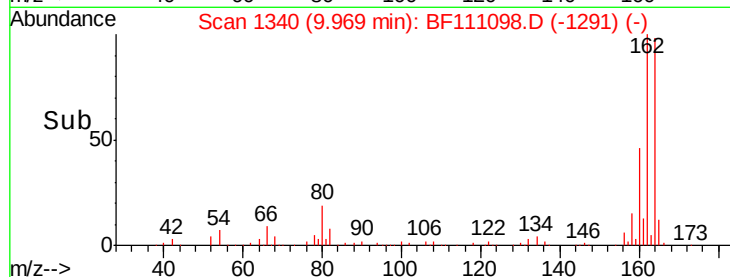
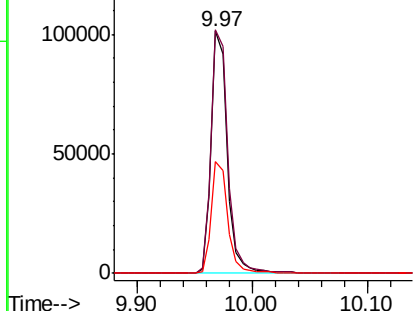
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF111098.D
 Acq: 29 Nov 2018 18:47

Instrument :
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 ClientSampleId :
 CL-02-112818-D

Tgt Ion:164 Resp: 98752
 Ion Ratio Lower Upper
 164 100
 162 100.7 83.0 124.6
 160 46.3 37.0 55.6

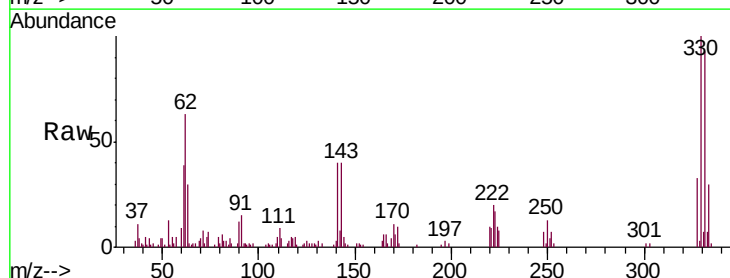


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

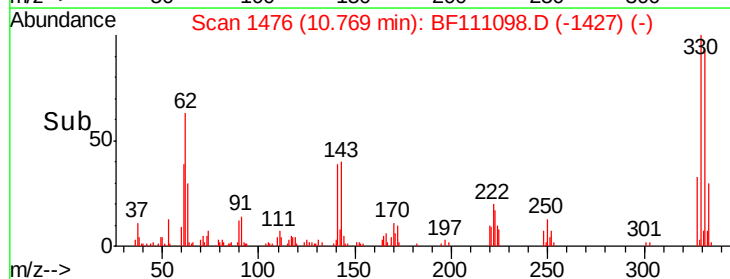
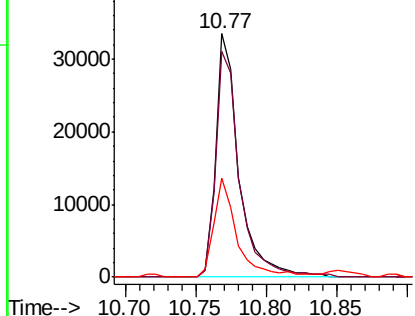


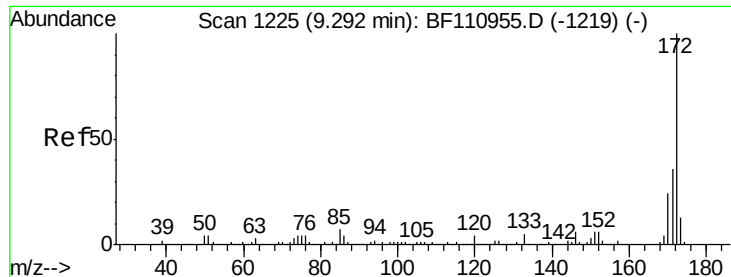
#42
 2,4,6-Tribromophenol
 Concen: 38.819 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF111098.D
 Acq: 29 Nov 2018 18:47

Tgt Ion:330 Resp: 38071
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 40.6 27.0 40.4#



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

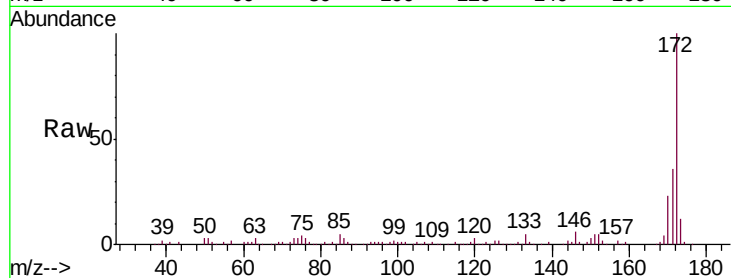




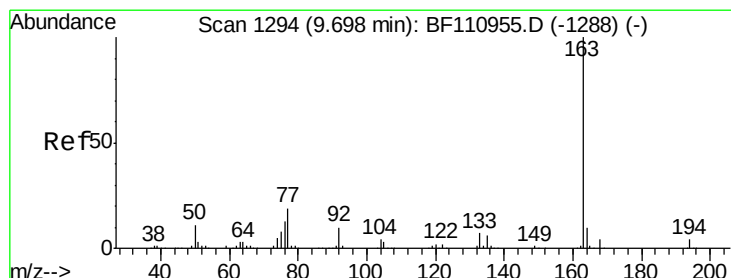
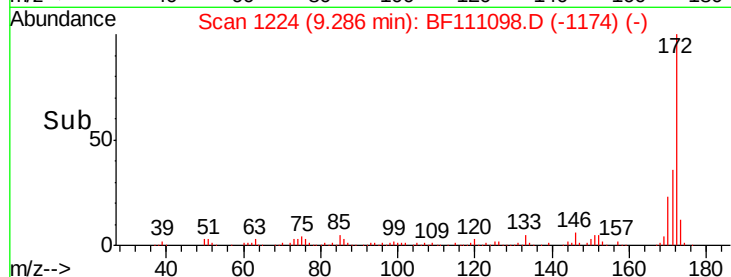
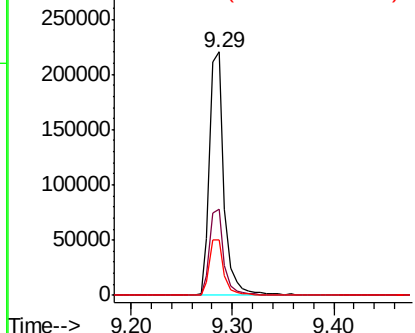
#45
2-Fluorobiphenyl
Concen: 32.503 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

Instrument :
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CL-02-112818-D

Tgt Ion:172 Resp: 221546
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 22.9 19.7 29.5

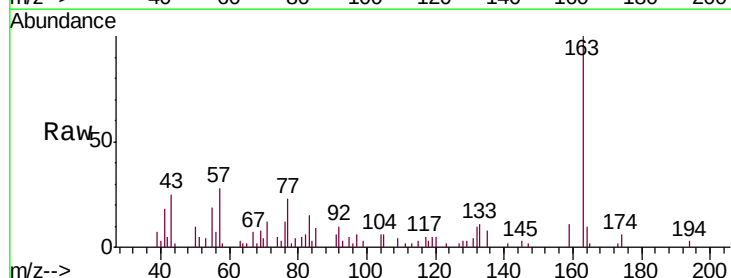


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

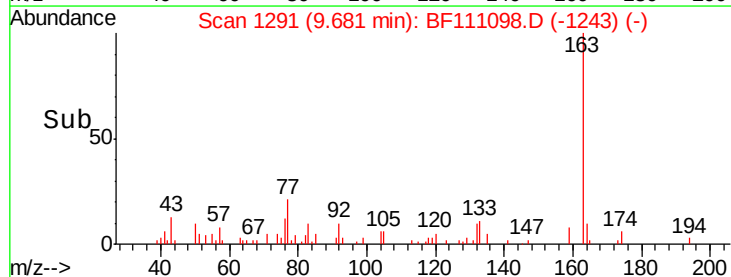
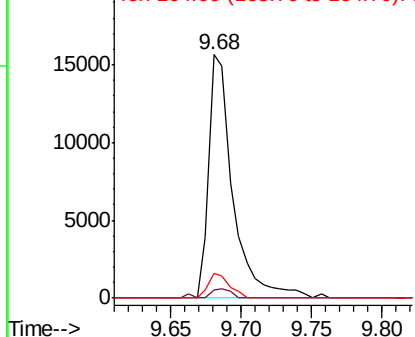


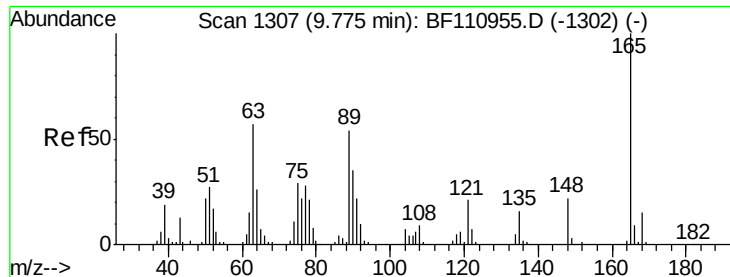
#50
Dimethylphthalate
Concen: 2.588 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

Tgt Ion:163 Resp: 18742
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 10.1 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.148 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.19 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

Instrument :

BNA_F

ClientSampleId :

CL-02-112818-D

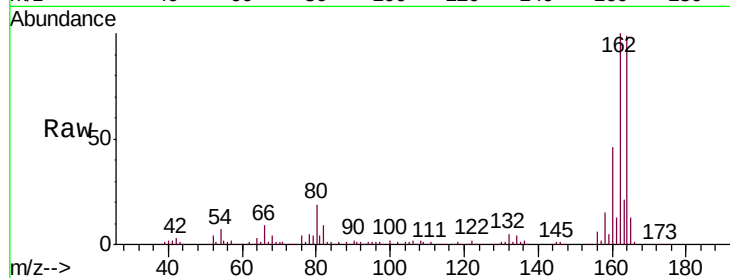
Tgt Ion:165 Resp: 13138

Ion Ratio Lower Upper

165 100

63 2.6 48.9 73.3#

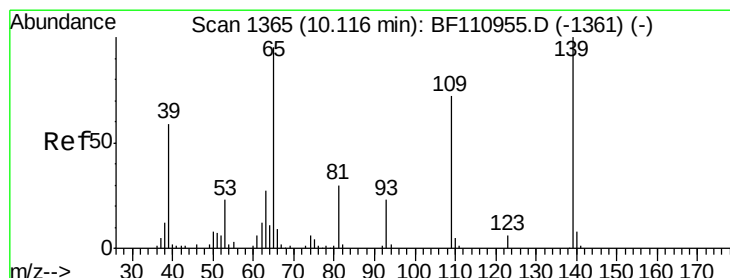
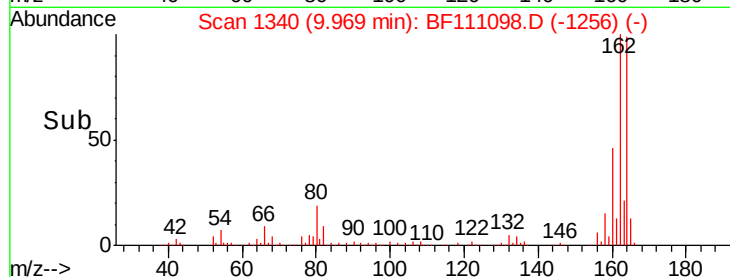
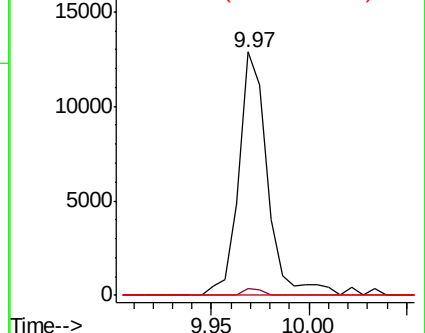
89 0.0 46.6 69.8#



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



#56

4-Nitrophenol

Concen: 4.338 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.08 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

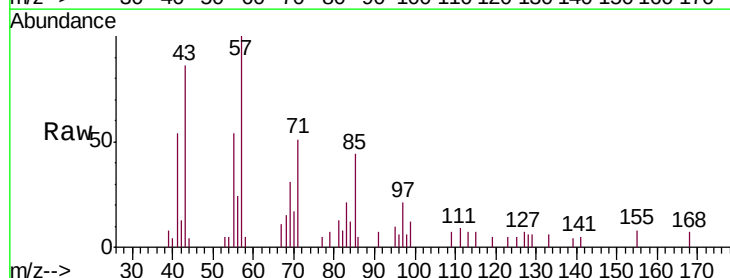
Tgt Ion:139 Resp: 111

Ion Ratio Lower Upper

139 100

109 156.4 55.8 95.8#

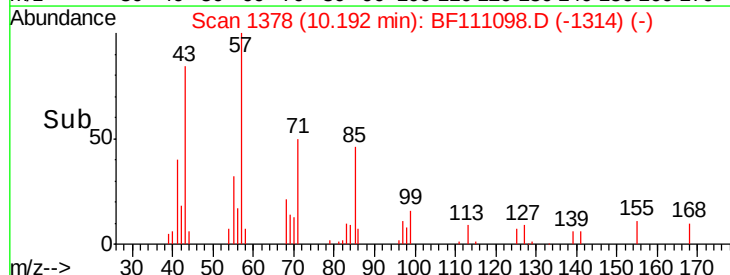
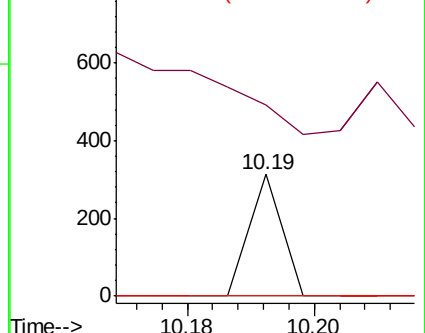
65 0.0 77.9 117.9#

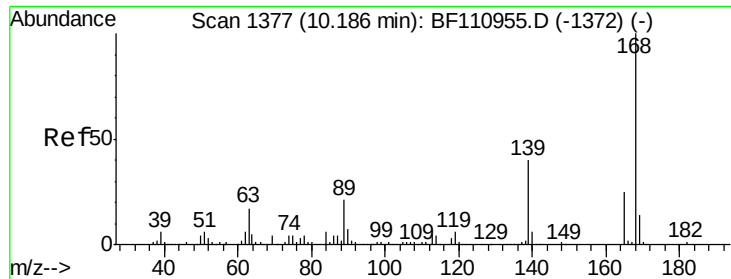


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

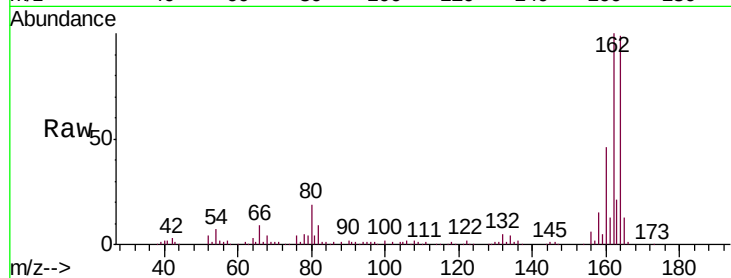




#57
 2,4-Dinitrotoluene
 Concen: 6.281 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.22 min
 Lab File: BF111098.D
 Acq: 29 Nov 2018 18:47

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112818-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

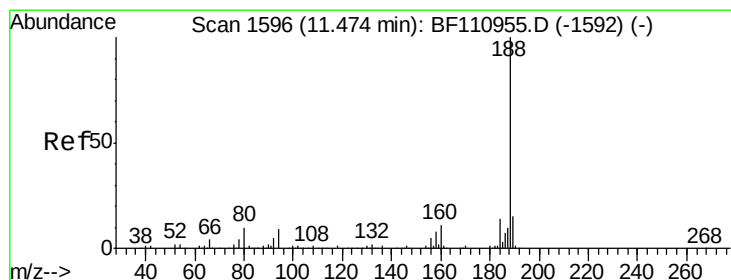
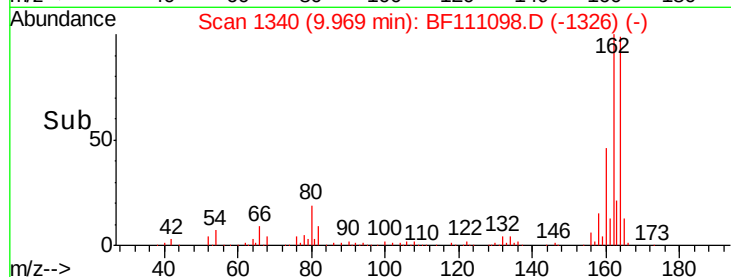
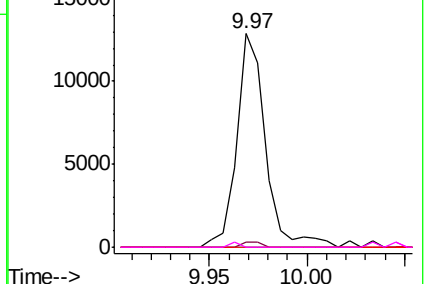


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

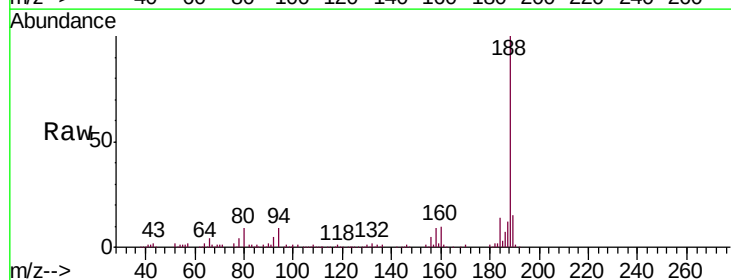
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF111098.D
 Acq: 29 Nov 2018 18:47

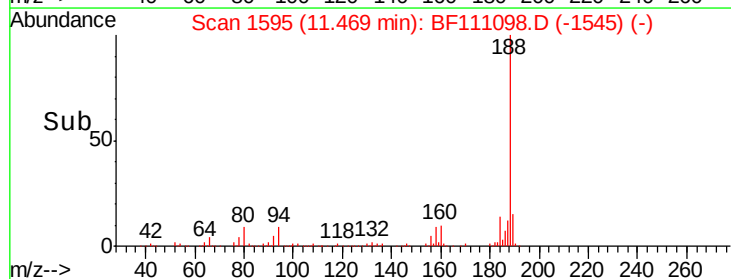
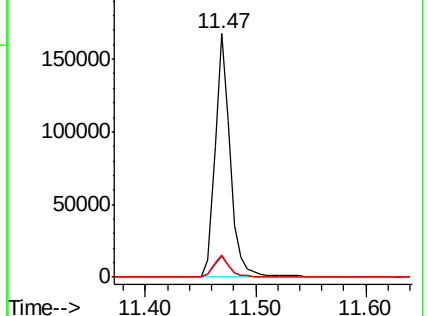
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.3	7.9	11.9

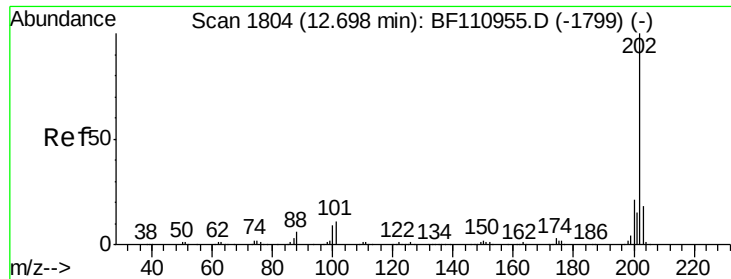


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 3.374 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

Instrument :

BNA_F

ClientSampleId :

CL-02-112818-D

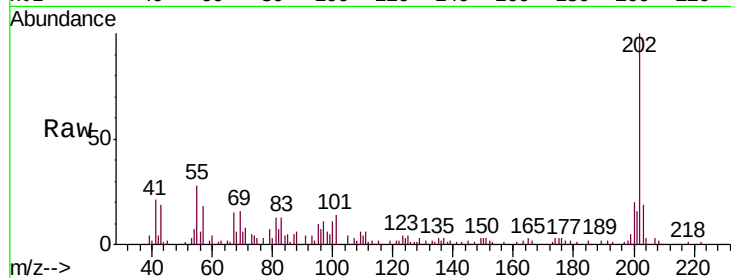
Tgt Ion: 202 Resp: 28813

Ion Ratio Lower Upper

202 100

101 13.9 0.0 31.4

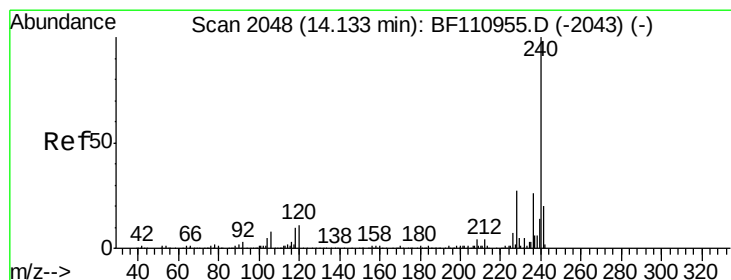
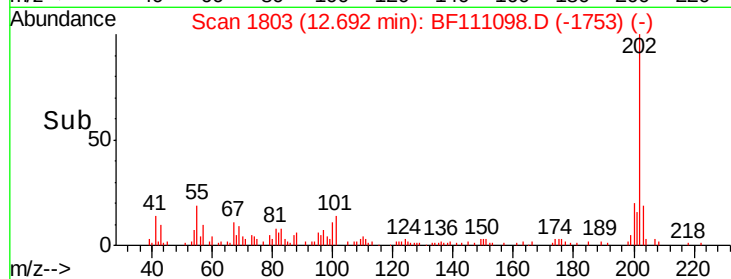
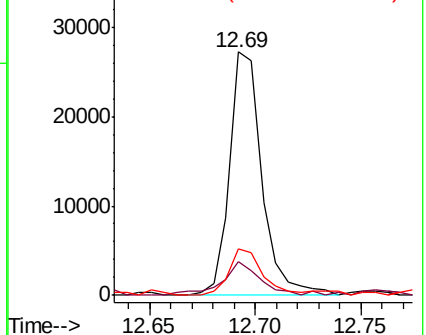
203 19.3 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

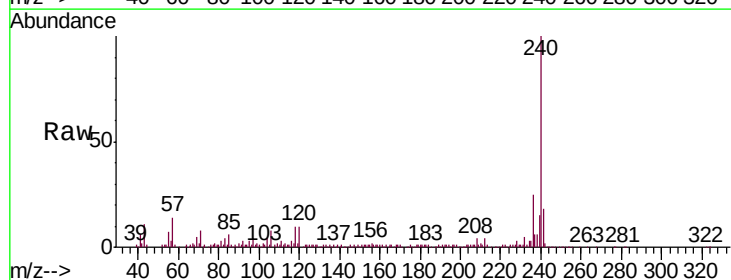
Tgt Ion: 240 Resp: 138921

Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

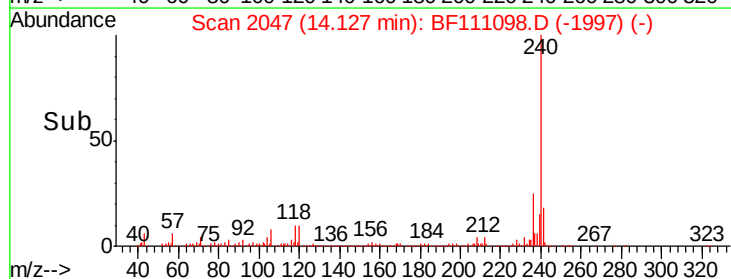
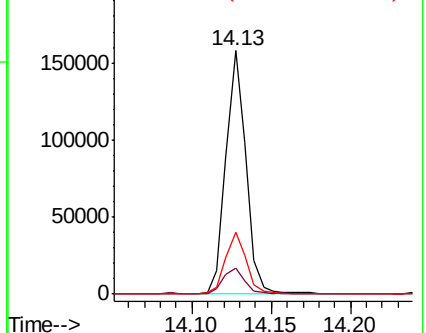
236 25.4 21.2 31.8

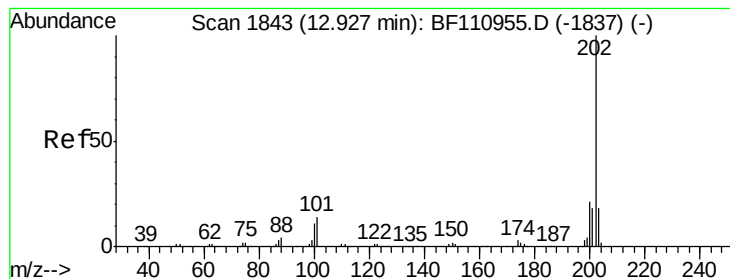


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.435 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

Instrument :

BNA_F

ClientSampleId :

CL-02-112818-D

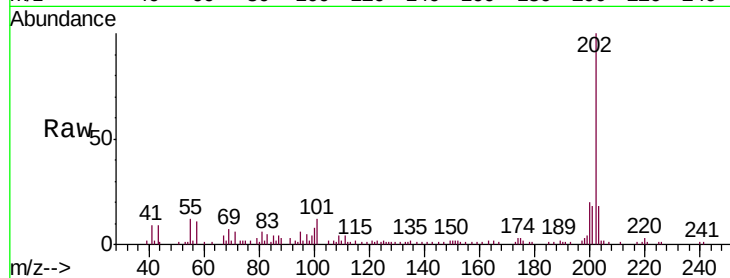
Tgt Ion: 202 Resp: 34850

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

203 18.1 14.2 21.4

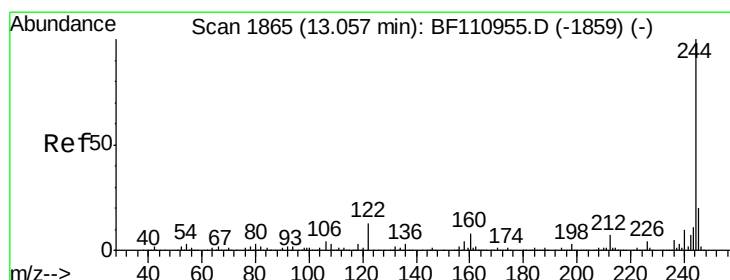
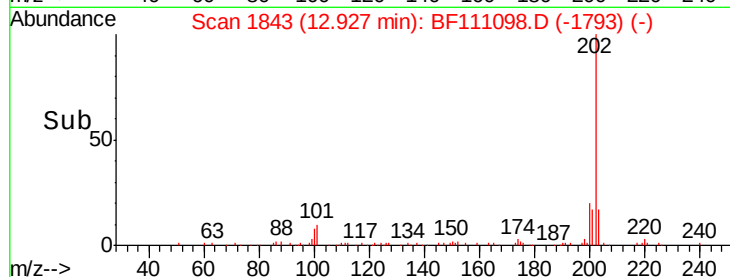
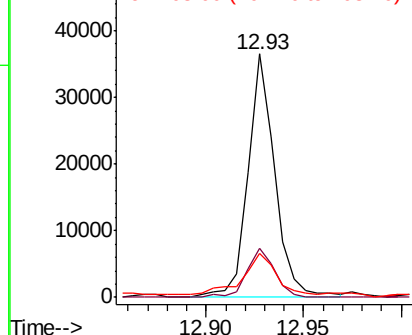


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 25.303 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

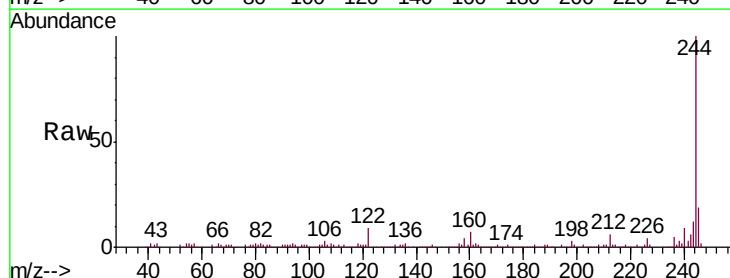
Tgt Ion: 244 Resp: 180577

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

122 9.3 8.7 13.1

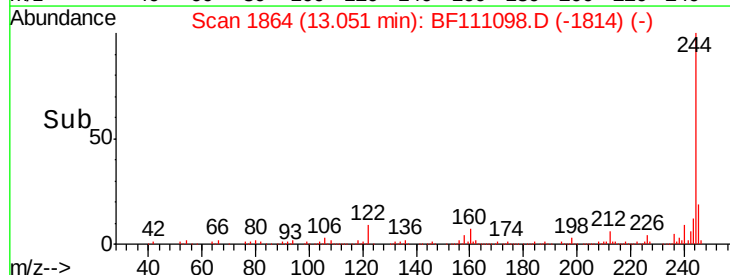
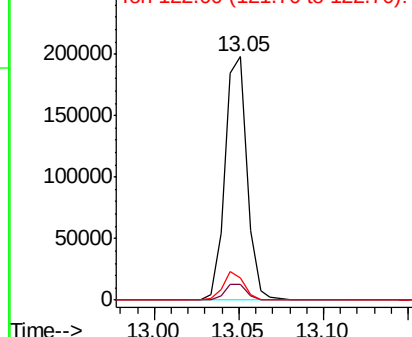


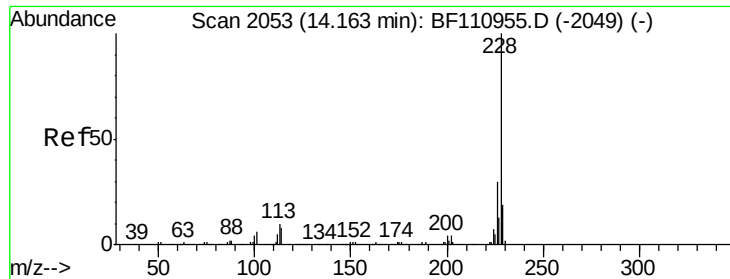
Abundance

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





#83

Chrysene

Concen: 2.288 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

Instrument :

BNA_F

ClientSampleId :

CL-02-112818-D

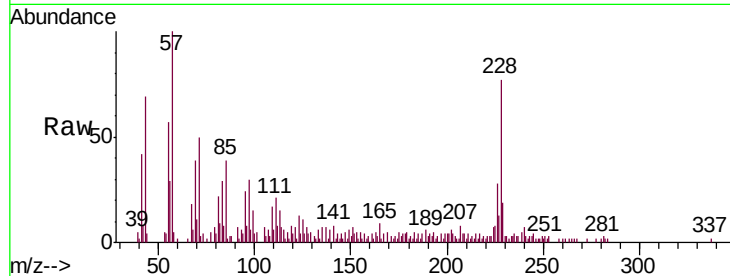
Tgt Ion:228 Resp: 18474

Ion Ratio Lower Upper

228 100

226 36.3 24.7 37.1

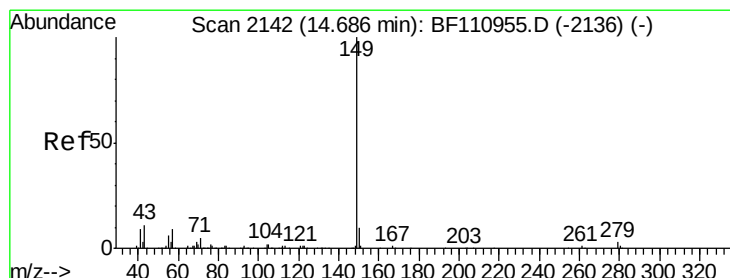
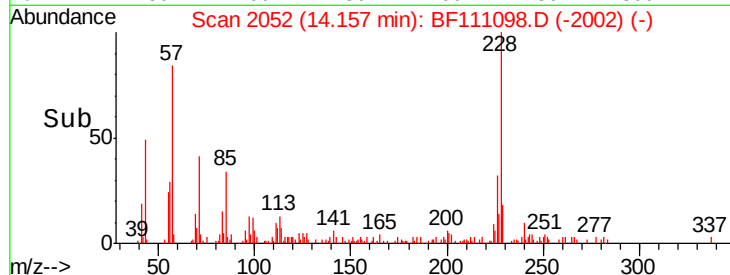
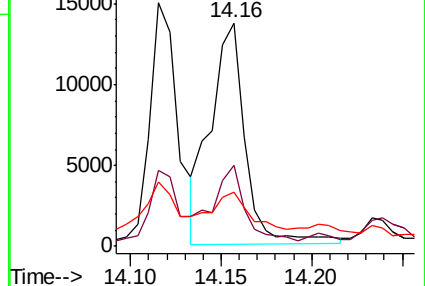
229 24.5 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Di-n-octyl phthalate

Concen: 2.187 ng

RT: 14.68 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

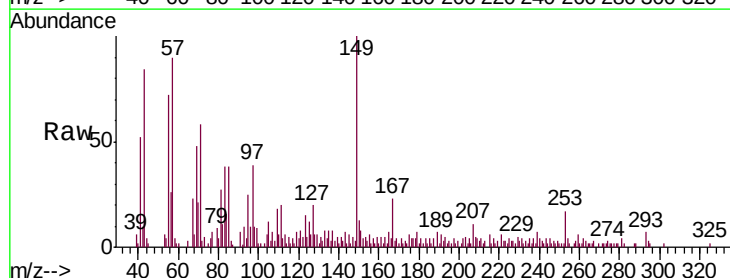
Tgt Ion:149 Resp: 21072

Ion Ratio Lower Upper

149 100

167 31.6 1.1 1.7#

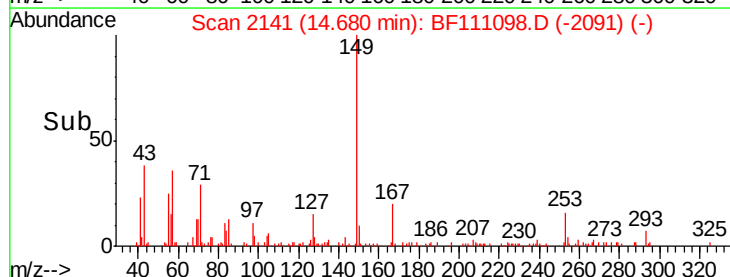
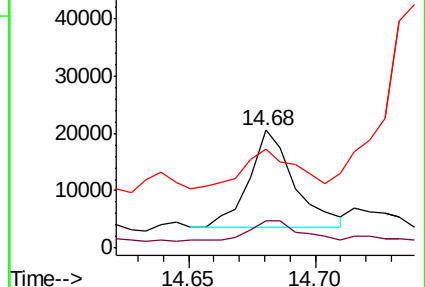
43 0.0 7.8 11.8#

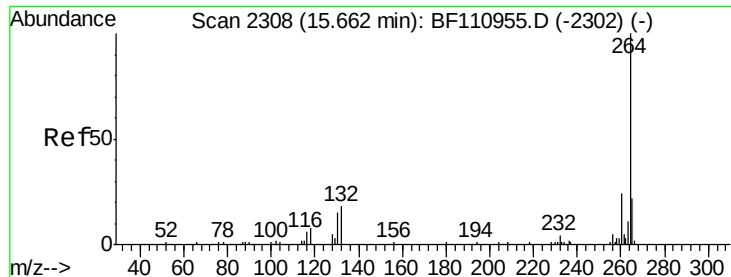


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

Instrument :

BNA_F

ClientSampleId :

CL-02-112818-D

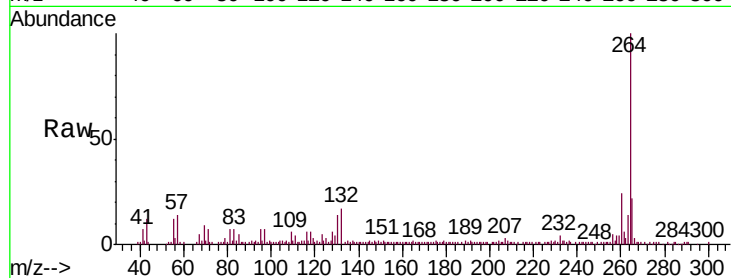
Tgt Ion:264 Resp: 95618

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

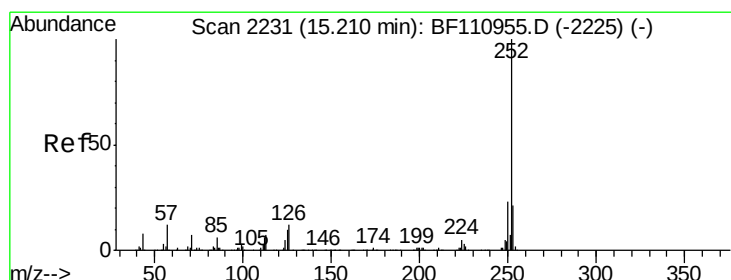
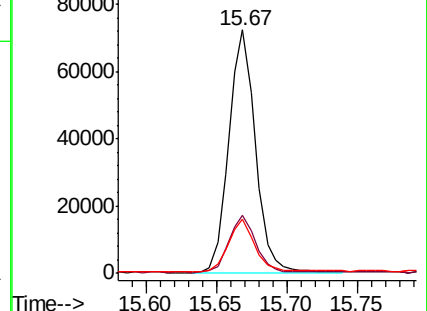
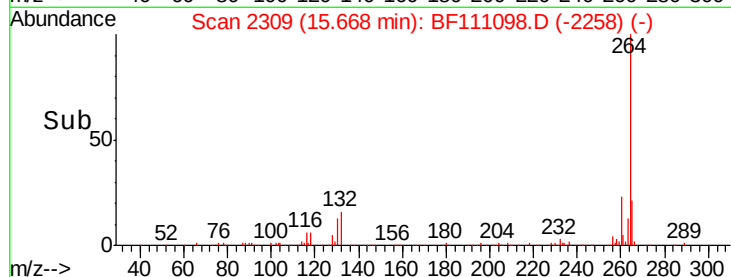
265 22.1 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 4.246 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

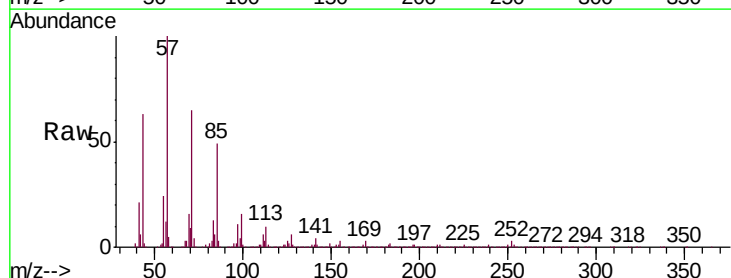
Tgt Ion:252 Resp: 23850

Ion Ratio Lower Upper

252 100

253 35.1 17.2 25.8#

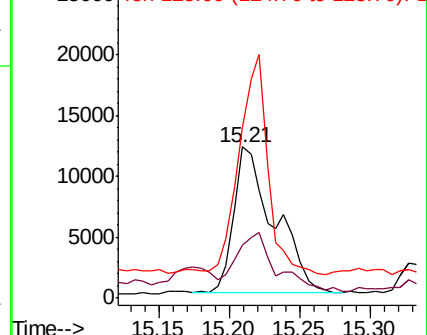
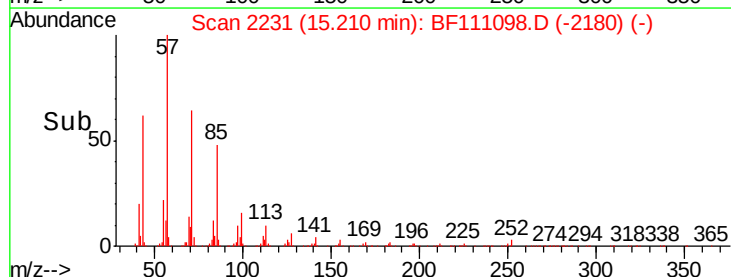
125 113.0 8.2 12.4#

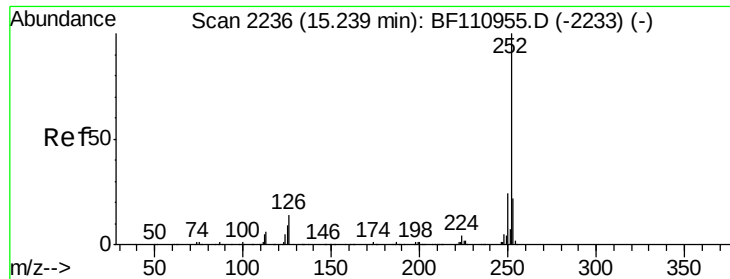


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

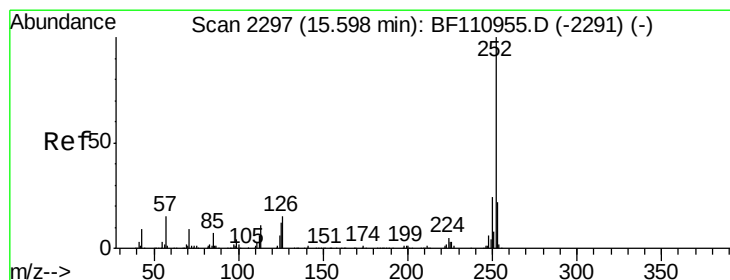
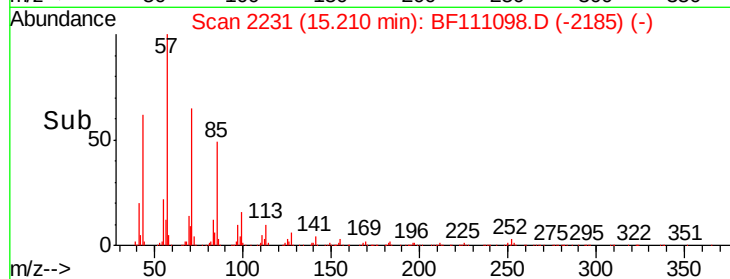
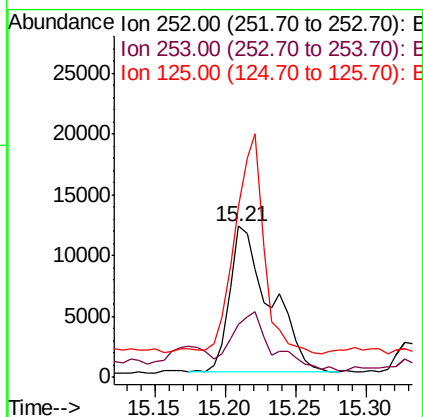
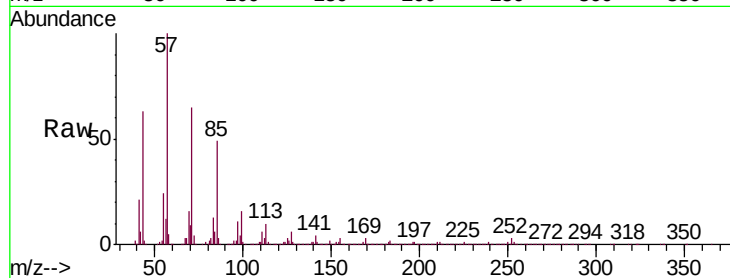




#89
Benzo(k)fluoranthene
Concen: 4.138 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

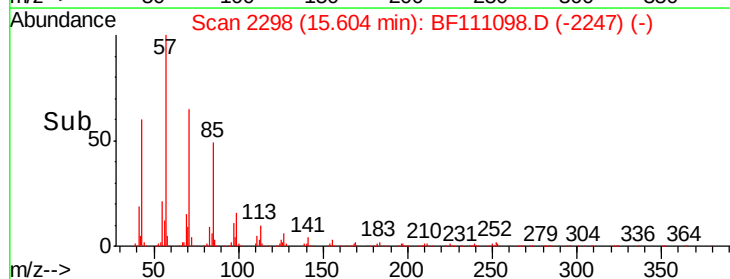
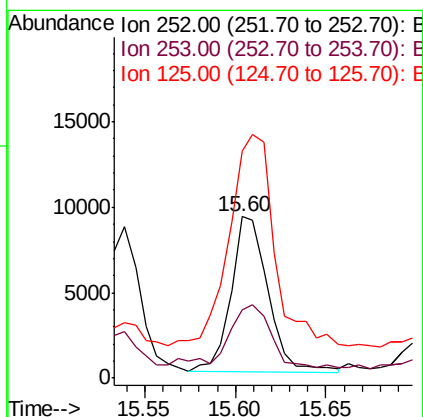
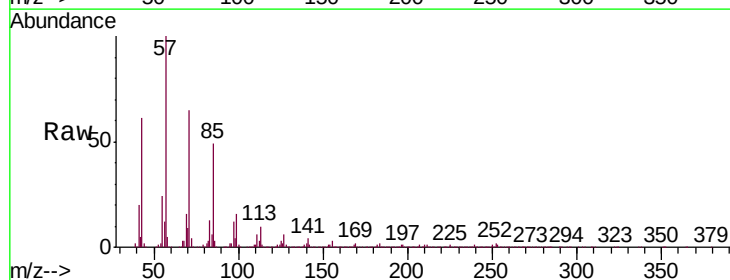
Instrument :
BNA_F
ClientSampleId :
CL-02-112818-D

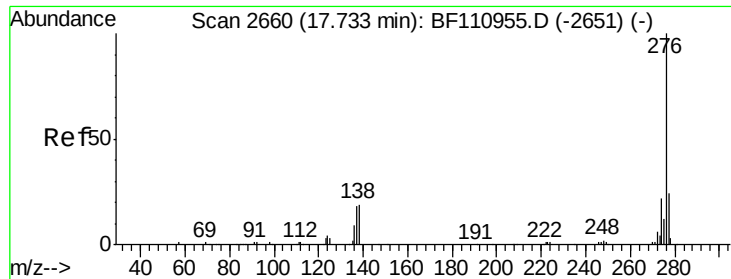
Tgt Ion:252 Resp: 23926
Ion Ratio Lower Upper
252 100
253 35.1 17.2 25.8#
125 113.0 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.479 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.00 min
Lab File: BF111098.D
Acq: 29 Nov 2018 18:47

Tgt Ion:252 Resp: 12960
Ion Ratio Lower Upper
252 100
253 42.0 18.2 27.4#
125 140.6 9.0 13.6#





#92

Benzo(g,h,i)perylene

Concen: 2.060 ng

RT: 17.76 min Scan# 2664

Delta R.T. 0.02 min

Lab File: BF111098.D

Acq: 29 Nov 2018 18:47

Instrument :

BNA_F

ClientSampleId :

CL-02-112818-D

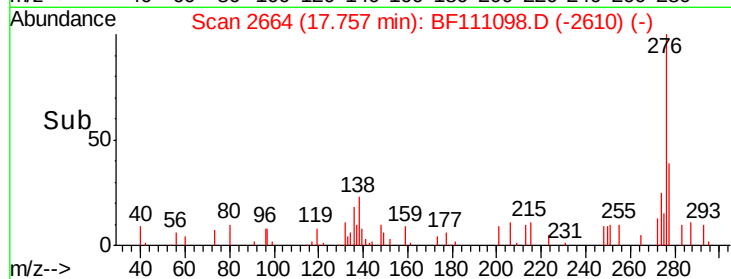
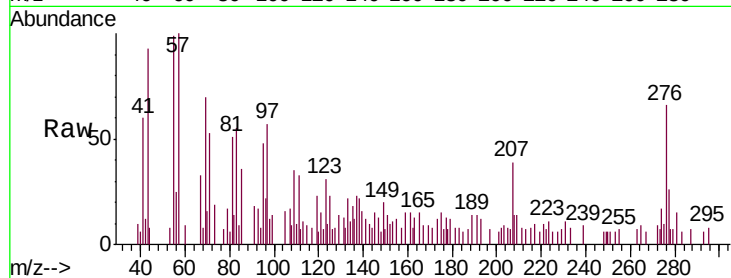
Tgt Ion: 276 Resp: 8569

Ion Ratio Lower Upper

276 100

277 39.1 18.8 28.2#

138 32.9 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

