

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098092.D
 Acq On : 29 Aug 2017 3:20
 Operator : SJ/JU
 Sample : I4959-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2321-RT2315-20-02-RB36575

Quant Time: Aug 29 09:22:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

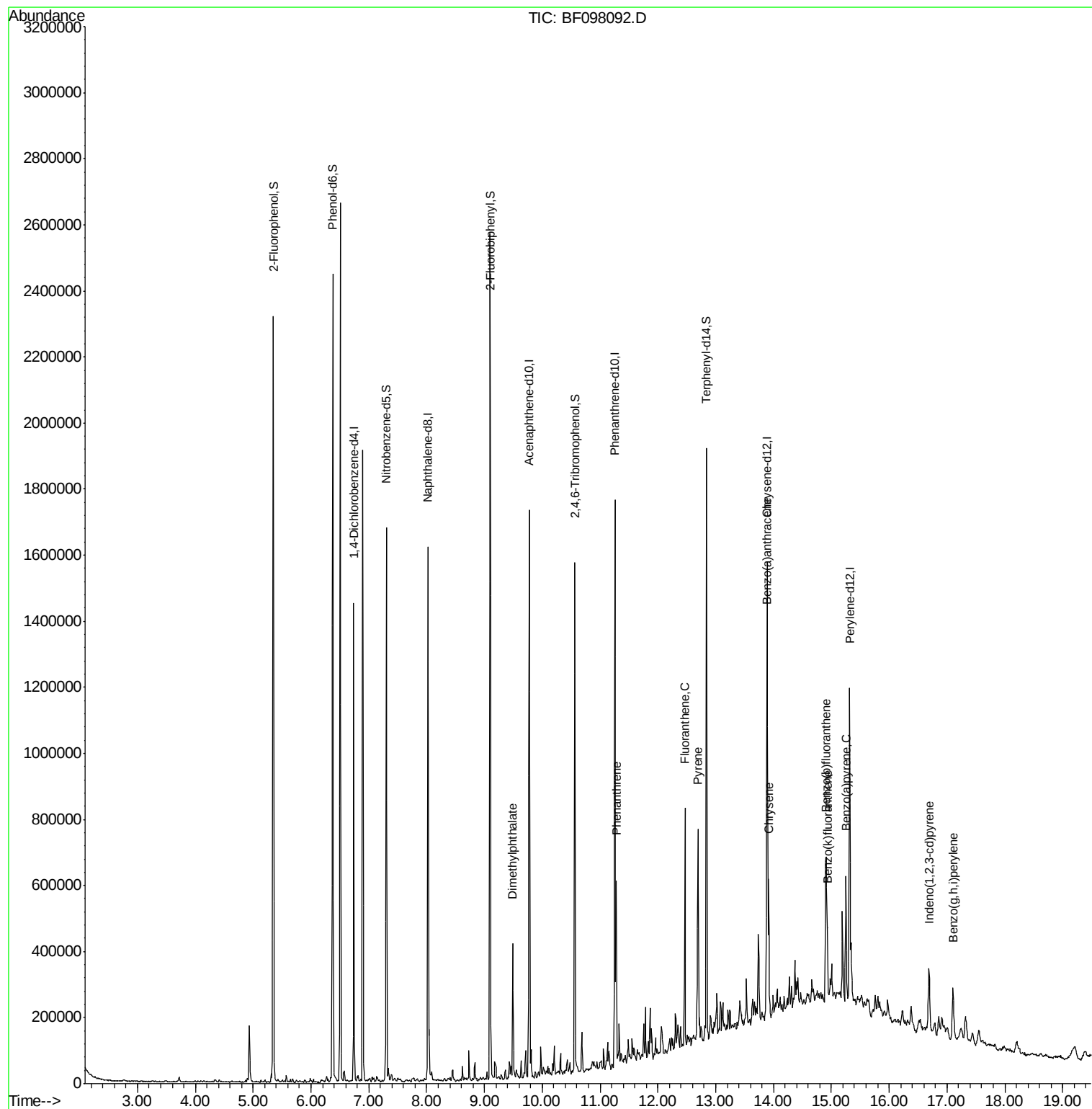
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	187483	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	715418	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	317009	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	593881	20.00	ng	0.00
75) Chrysene-d12	13.89	240	434871	20.00	ng	0.00
86) Perylene-d12	15.32	264	465690	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	721986	58.58	ng	0.00
7) Phenol-d6	6.38	99	971907	58.03	ng	0.00
23) Nitrobenzene-d5	7.30	82	588014	44.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	170432	61.96	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	751372	34.82	ng	-0.01
78) Terphenyl-d14	12.84	244	544484	26.11	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.49	163	137113	5.917	ng	99
70) Phenanthrene	11.28	178	172123	5.439	ng	99
74) Fluoranthene	12.47	202	274202	8.301	ng	98
77) Pyrene	12.69	202	261158	7.343	ng	98
80) Benzo(a)anthracene	13.88	228	155611	5.970	ng	95
82) Chrysene	13.92	228	145955	5.629	ng	95
85) Indeno(1,2,3-cd)pyrene	16.69	276	122399	6.417	ng	# 90
87) Benzo(b)fluoranthene	14.91	252	227098m	7.737	ng	
88) Benzo(k)fluoranthene	14.93	252	84546m	3.066	ng	
89) Benzo(a)pyrene	15.25	252	182938	7.040	ng	99
91) Benzo(g,h,i)perylene	17.10	276	120862	5.475	ng	92

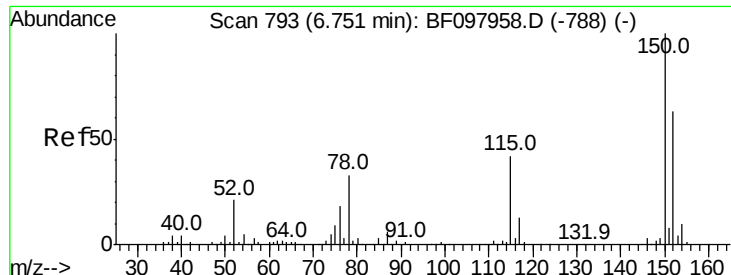
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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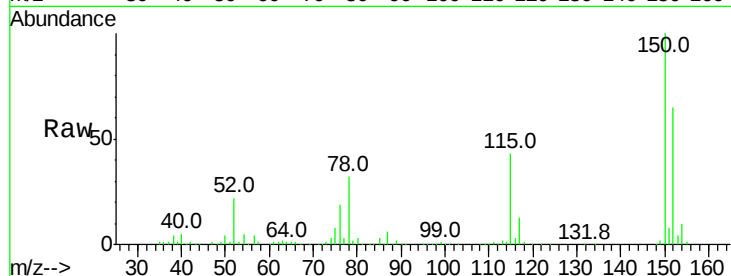


#1

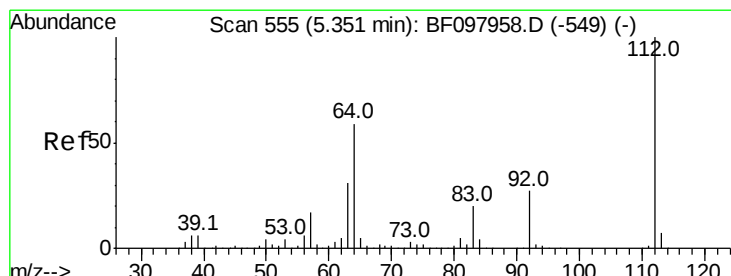
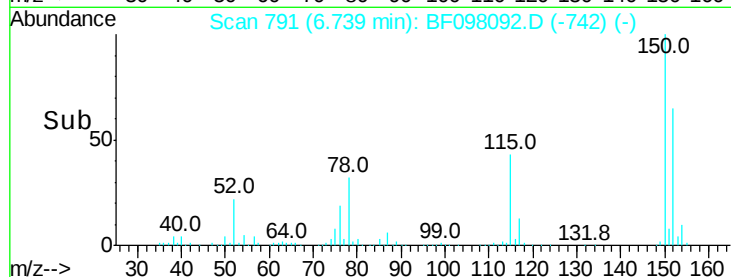
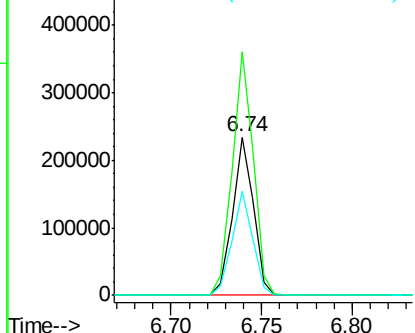
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098092.D
 Acq: 29 Aug 2017 3:20

Instrument :
 BNA_F
 ClientSampleId :
 RT2321-RT2315-20-02-RB36575

Tot Ion:152 Resp: 187483
 Ion Ratio Lower Upper
 152 100
 150 154.1 126.2 189.2
 115 65.5 52.2 78.2



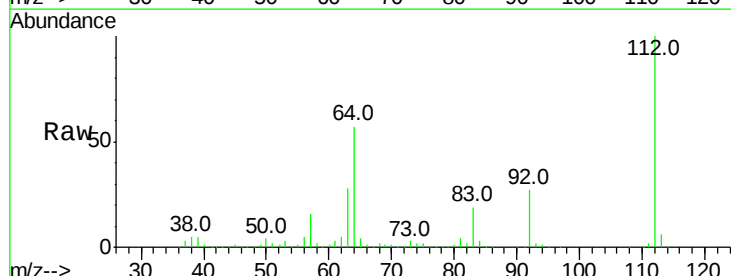
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



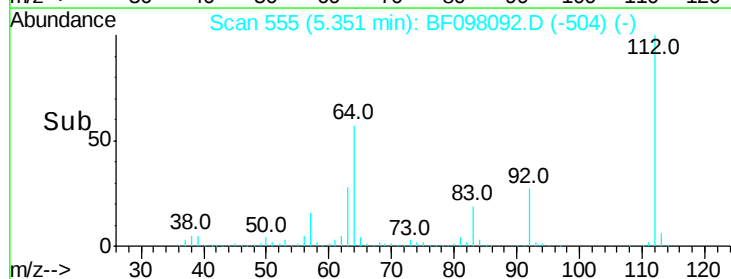
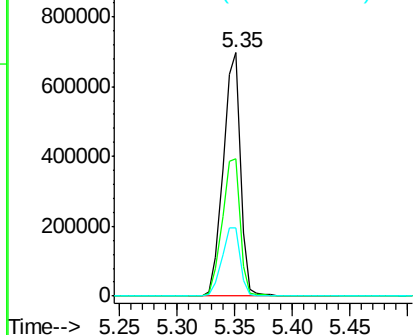
#5

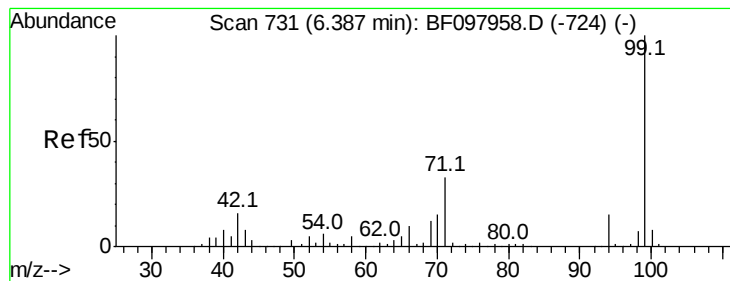
2-Fluorophenol
 Concen: 58.576 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF098092.D
 Acq: 29 Aug 2017 3:20

Tgt Ion:112 Resp: 721986
 Ion Ratio Lower Upper
 112 100
 64 56.7 46.0 69.0
 63 28.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 58.034 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Instrument :

BNA_F

ClientSampleId :

RT2321-RT2315-20-02-RB36575

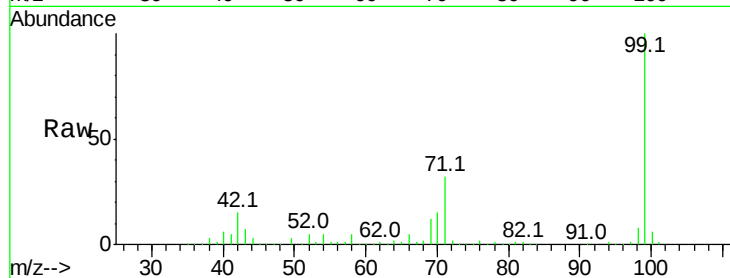
Tot Ion: 99 Resp: 971907

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

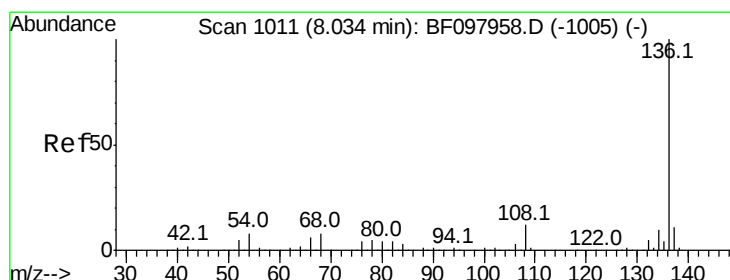
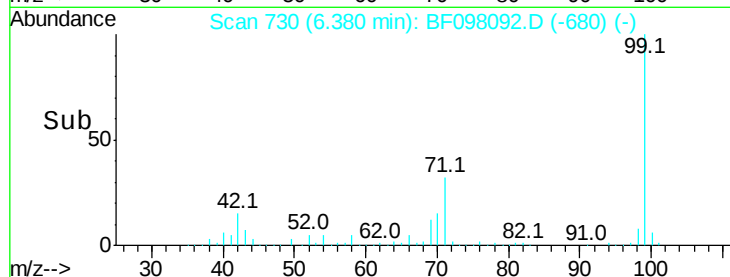
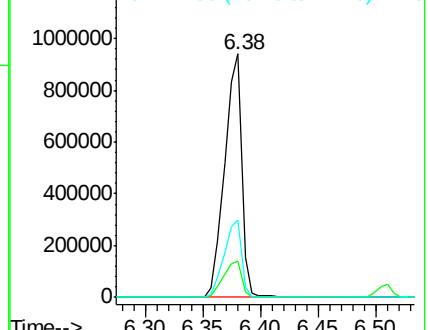
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Tgt Ion: 136 Resp: 715418

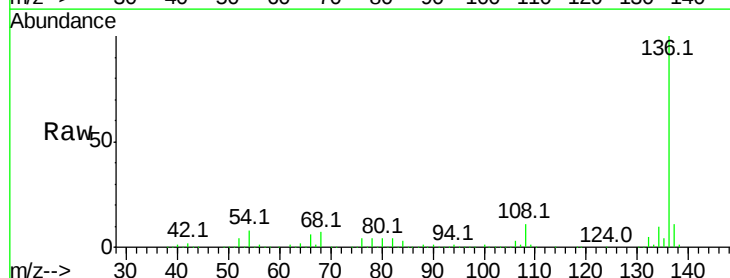
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.7 4.9 7.3#

68 7.4 4.1 6.1#

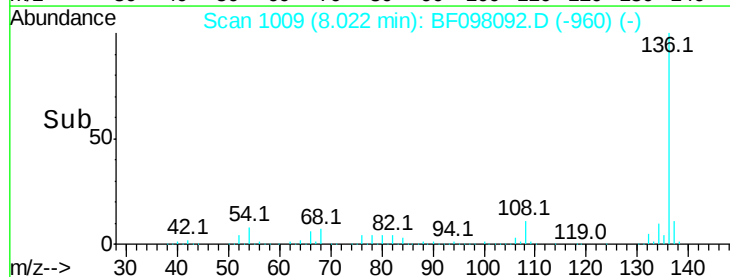
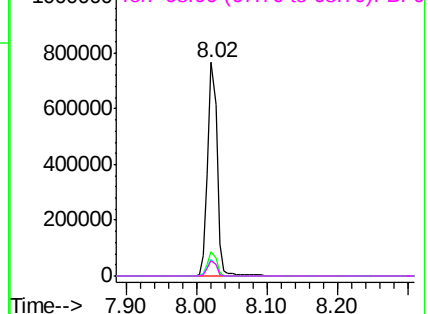


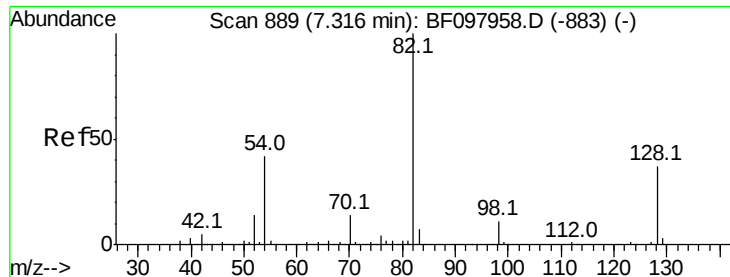
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

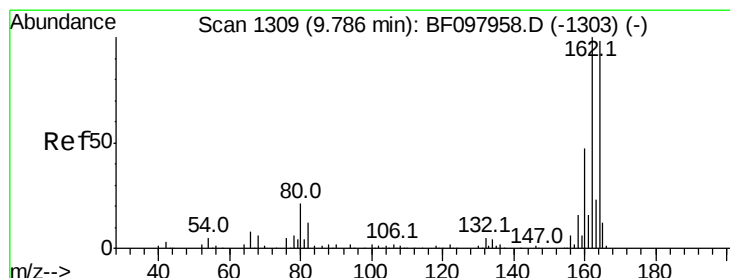
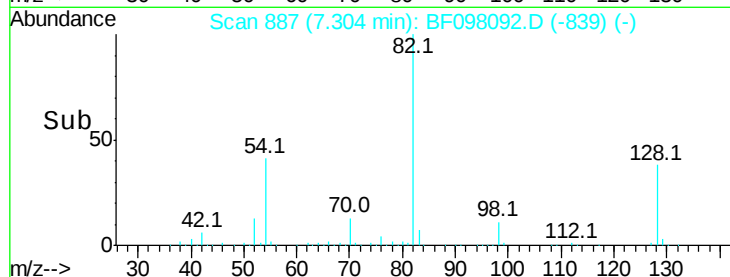
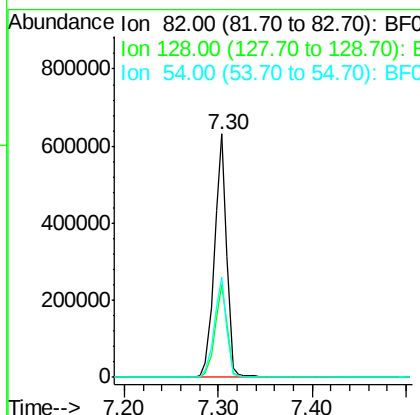
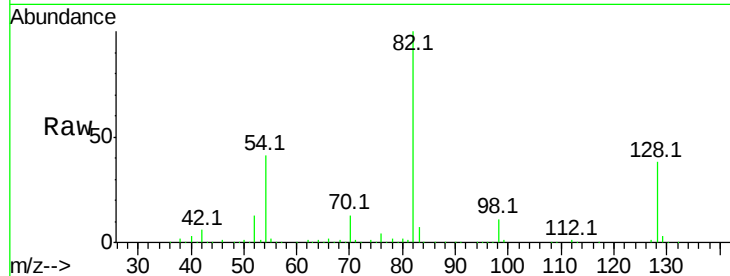




#23
 Nitrobenzene-d5
 Concen: 44.650 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098092.D
 Acq: 29 Aug 2017 3:20

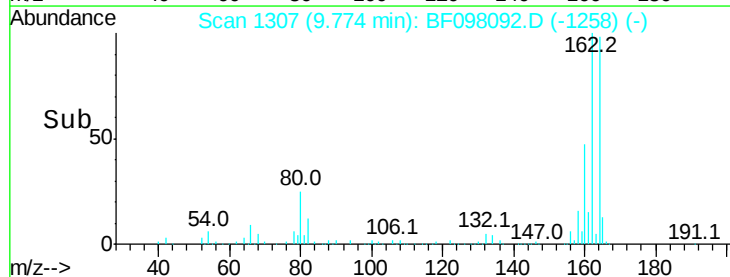
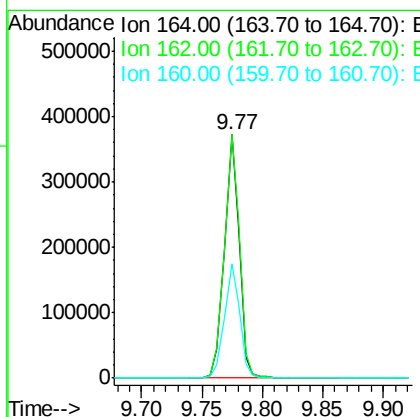
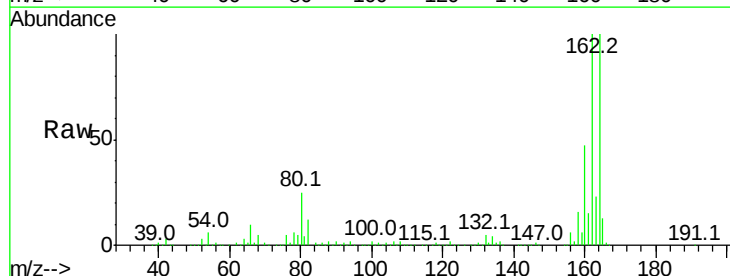
Instrument :
 BNA_F
 ClientSampleId :
 RT2321-RT2315-20-02-RB36575

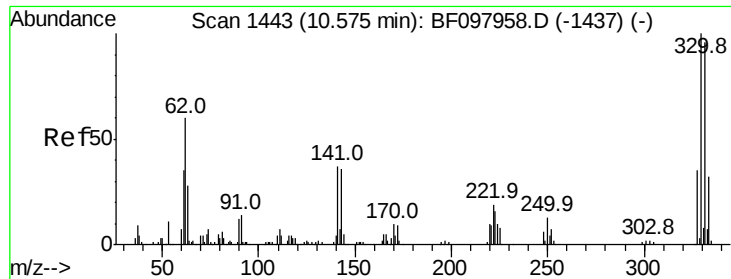
Tot Ion	82	Resp	588014
Ion Ratio	Lower	Upper	
82	100		
128	38.2	34.0	51.0
54	41.4	42.2	63.2#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098092.D
 Acq: 29 Aug 2017 3:20

Tgt Ion	164	Resp	317009
Ion Ratio	Lower	Upper	
164	100		
162	100.1	82.6	123.8
160	46.9	36.2	54.2

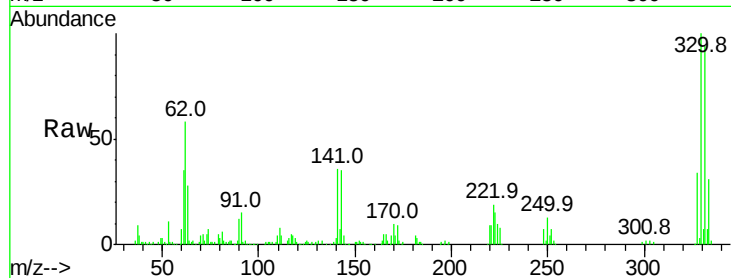




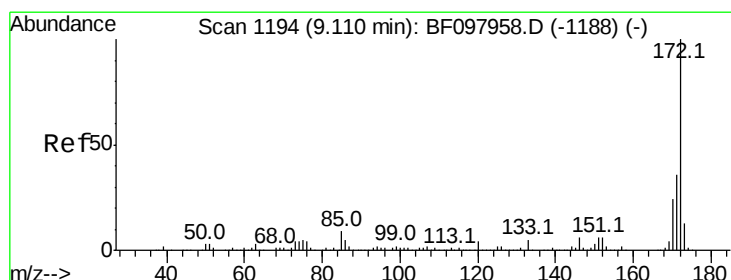
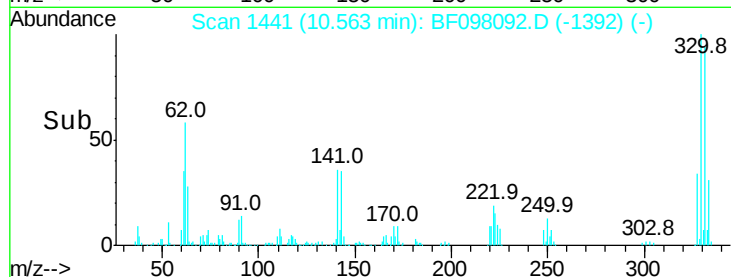
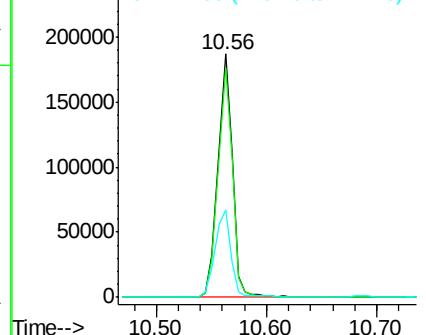
#41
 2,4,6-Tribromophenol
 Concen: 61.962 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098092.D
 Acq: 29 Aug 2017 3:20

Instrument :
 BNA_F
 ClientSampleId :
 RT2321-RT2315-20-02-RB36575

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	40.3	31.4	47.2

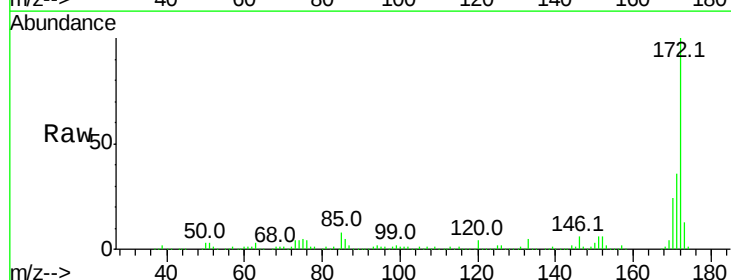


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

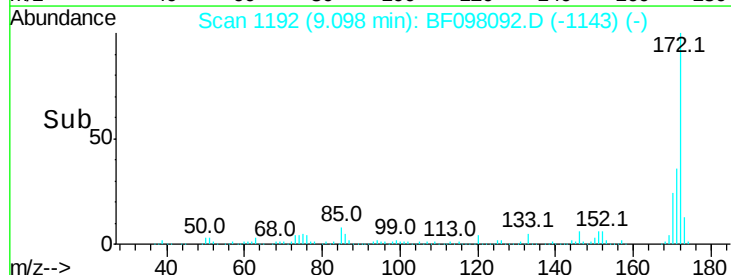
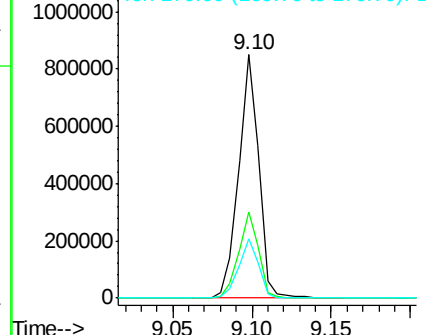


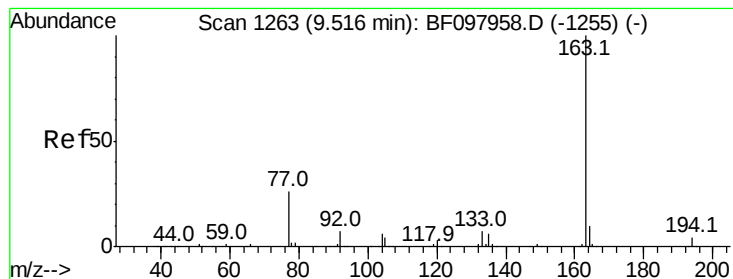
#44
 2-Fluorobiphenyl
 Concen: 34.823 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098092.D
 Acq: 29 Aug 2017 3:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.4	19.8	29.8



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





#49

Dimethylphthalate

Concen: 5.917 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Instrument :

BNA_F

ClientSampleId :

RT2321-RT2315-20-02-RB36575

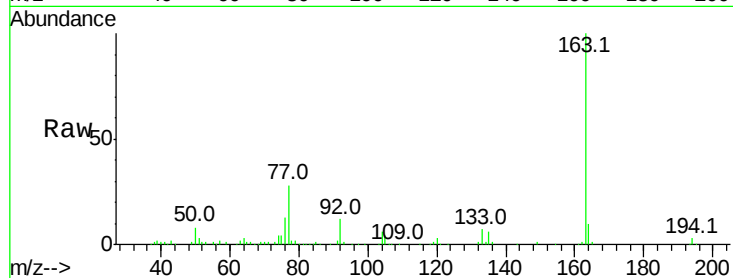
Tot Ion:163 Resp: 137113

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

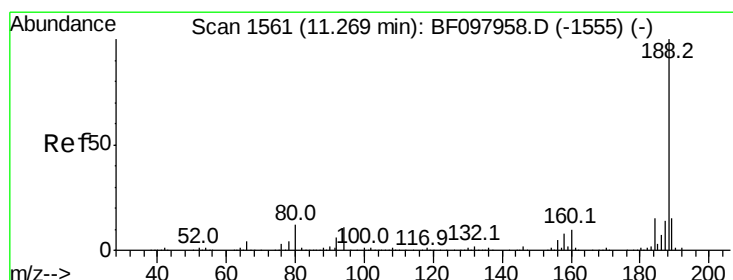
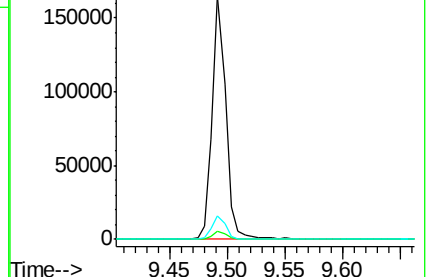
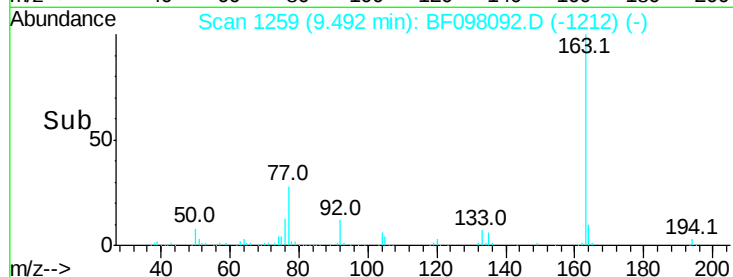
164 9.8 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

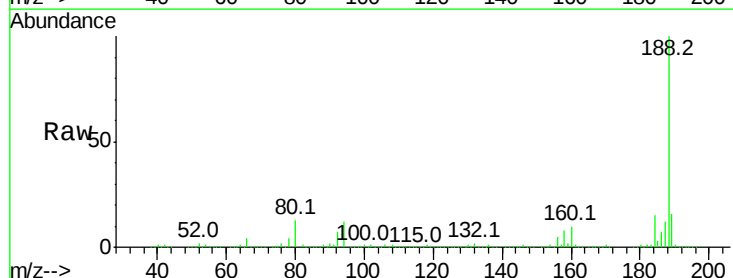
Tgt Ion:188 Resp: 593881

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

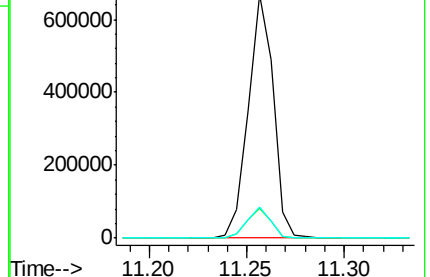
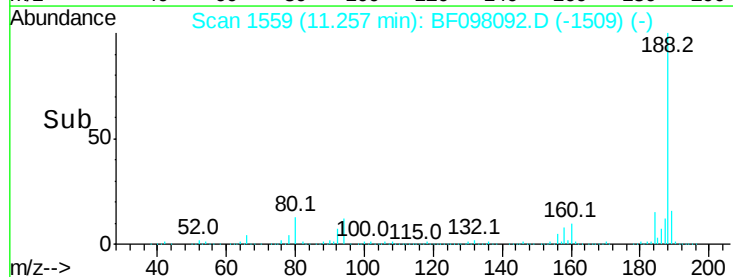
80 12.6 10.2 15.2

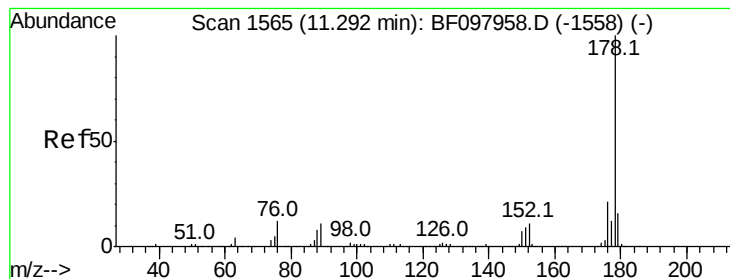


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.439 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Instrument :

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RT2321-RT2315-20-02-RB36575

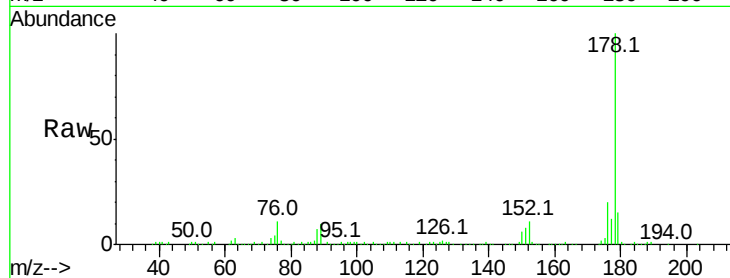
Tot Ion:178 Resp: 172123

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

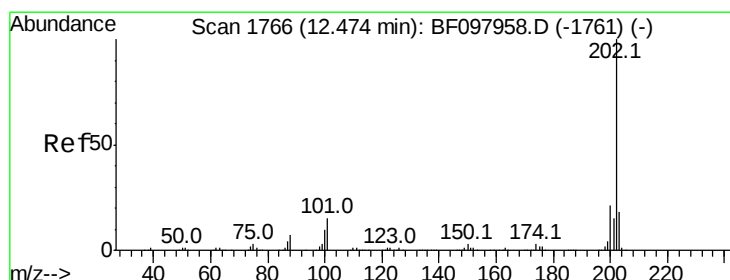
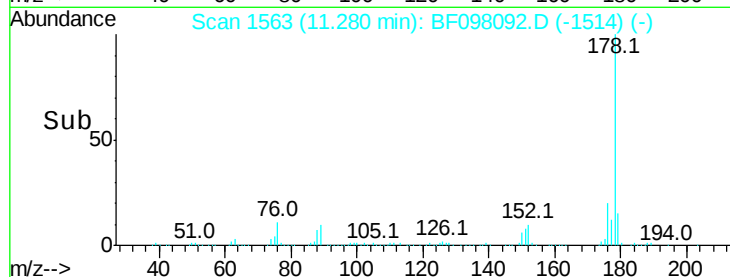
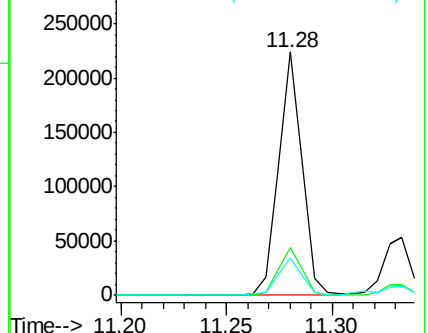
179 15.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.301 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

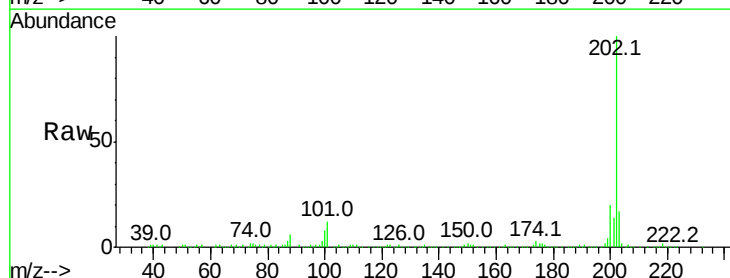
Tgt Ion:202 Resp: 274202

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.2

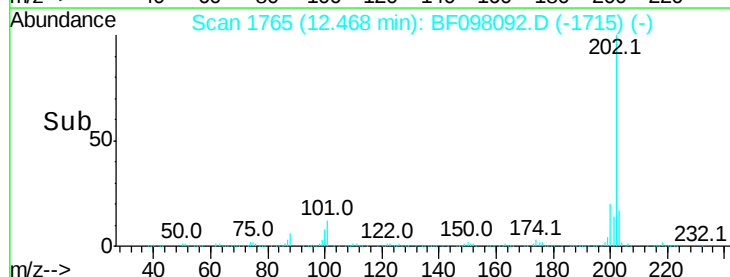
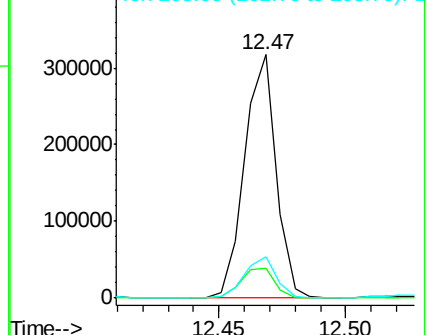
203 17.1 0.0 38.1

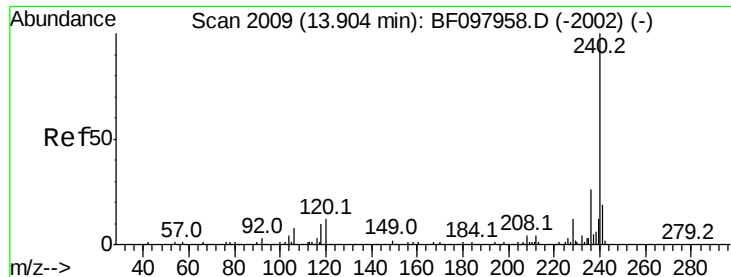


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

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RT2321-RT2315-20-02-RB36575

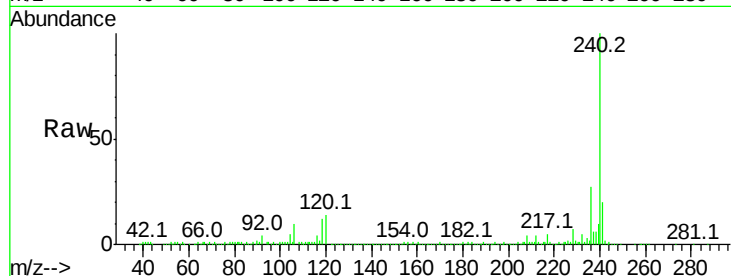
Tot Ion:240 Resp: 434871

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

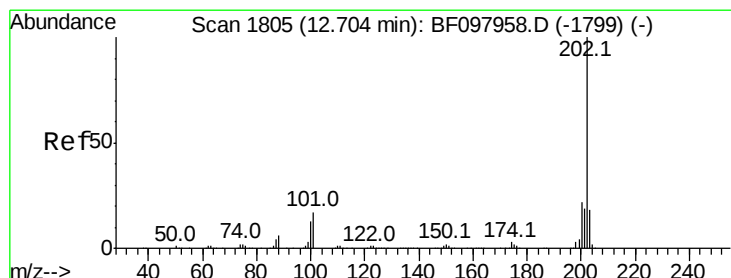
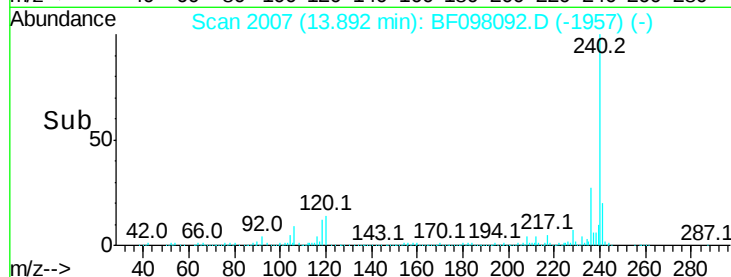
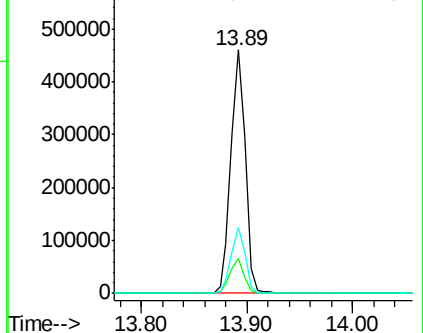
236 27.1 20.5 30.7



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



#77

Pyrene

Concen: 7.343 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

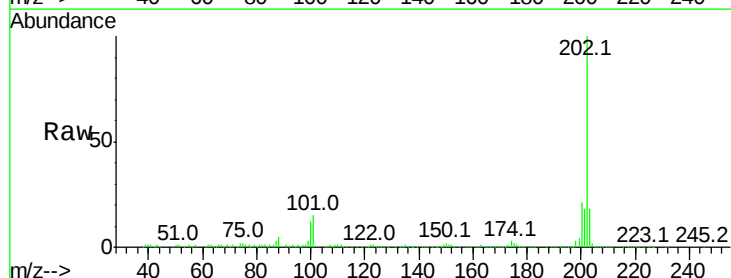
Tgt Ion:202 Resp: 261158

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

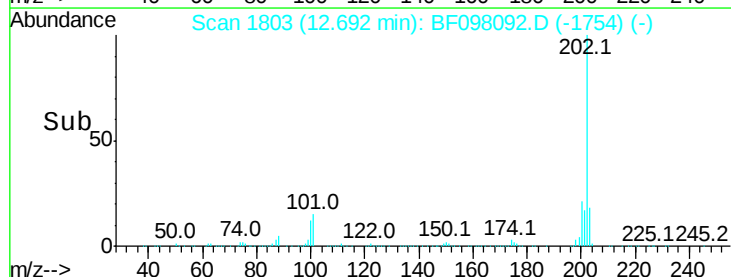
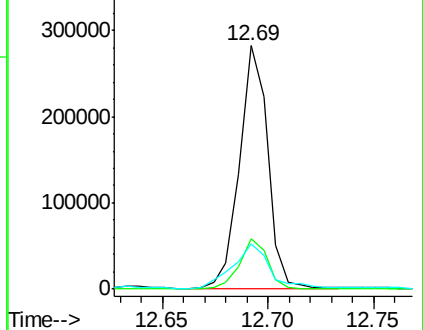
203 18.5 14.4 21.6

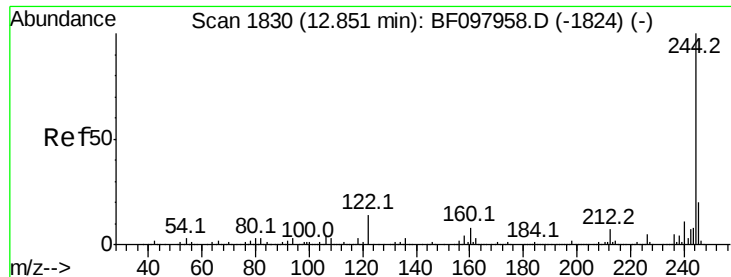


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.110 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Instrument :

BNA_F

ClientSampleId :

RT2321-RT2315-20-02-RB36575

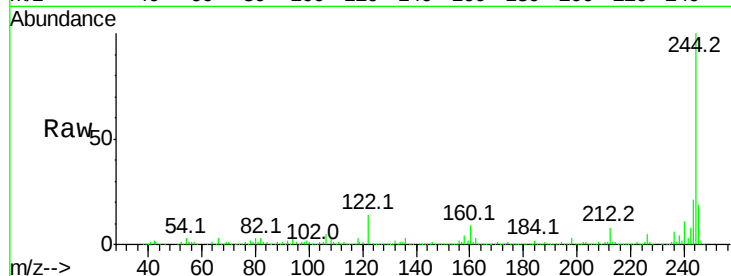
Tot Ion:244 Resp: 544484

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

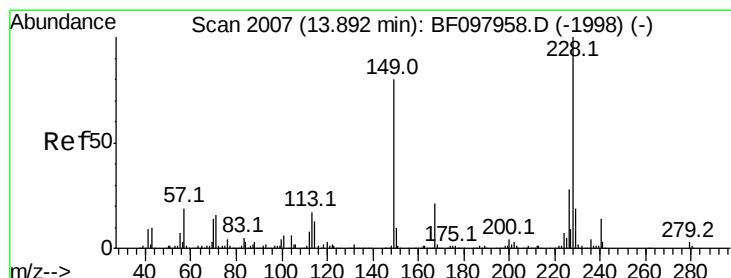
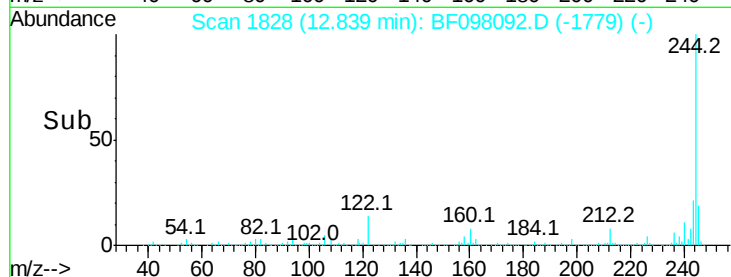
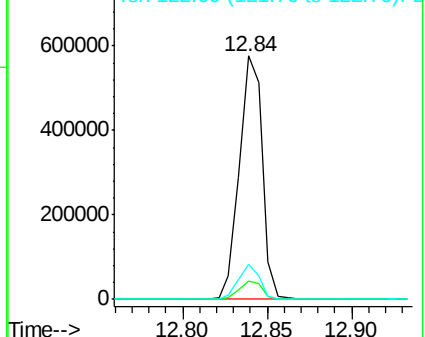
122 14.4 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 5.970 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

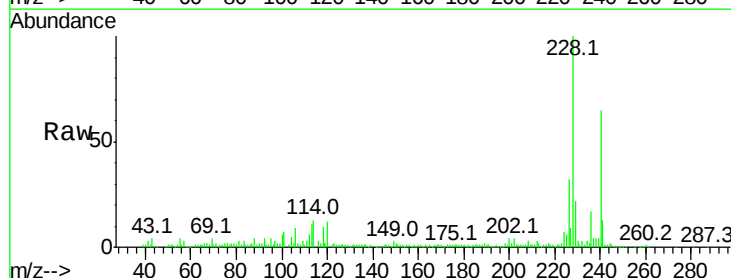
Tgt Ion:228 Resp: 155611

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

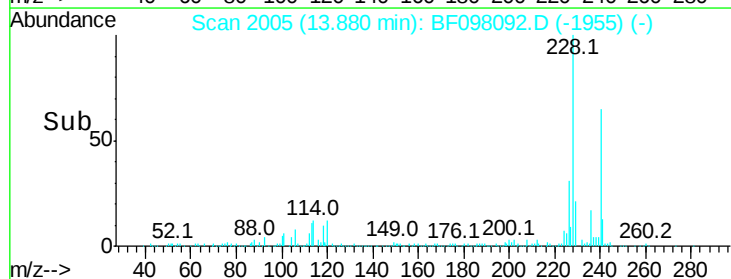
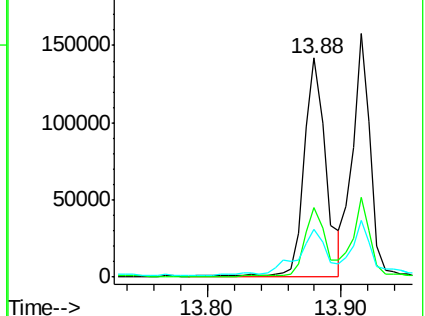
229 22.0 16.3 24.5

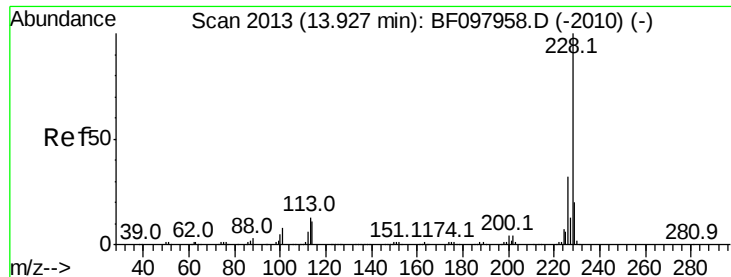


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.629 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Instrument :

BNA_F

ClientSampleId :

RT2321-RT2315-20-02-RB36575

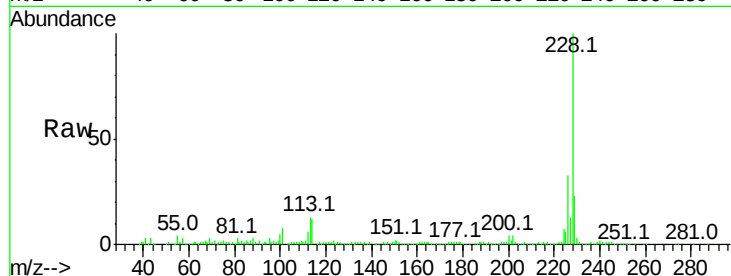
Tot Ion:228 Resp: 145955

Ion Ratio Lower Upper

228 100

226 32.9 24.9 37.3

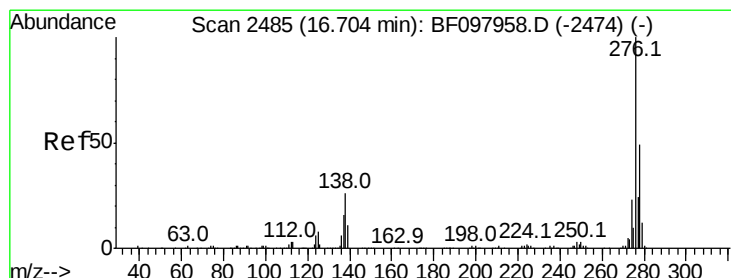
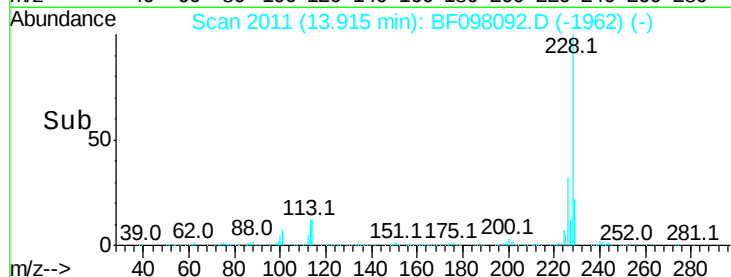
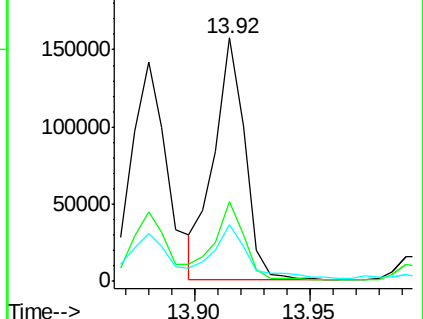
229 23.4 15.8 23.6



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

Indeno(1,2,3-cd)pyrene

Concen: 6.417 ng

RT: 16.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

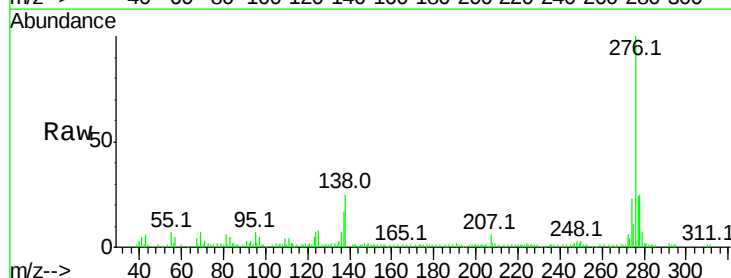
Tgt Ion:276 Resp: 122399

Ion Ratio Lower Upper

276 100

138 25.2 27.8 41.6#

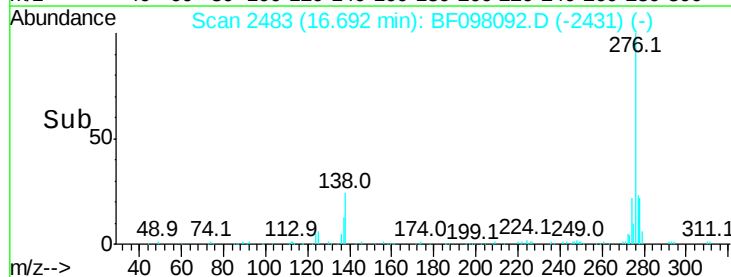
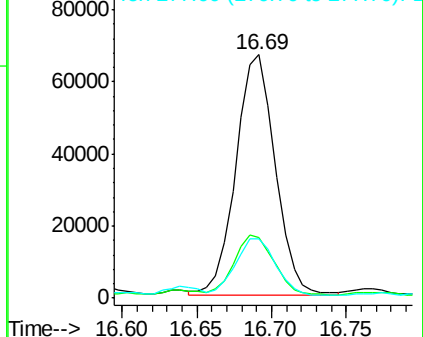
277 24.5 20.2 30.4

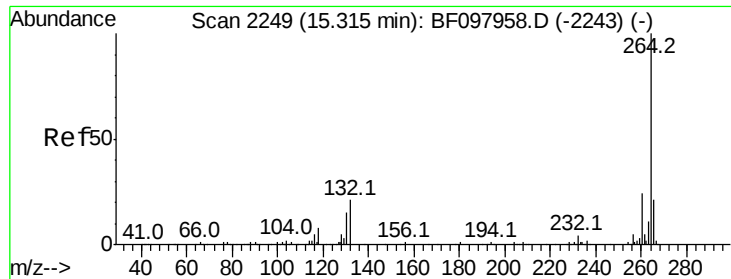


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

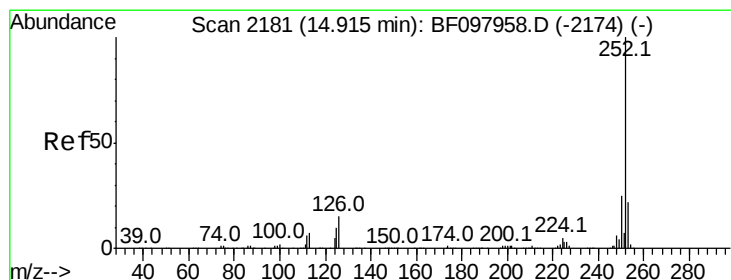
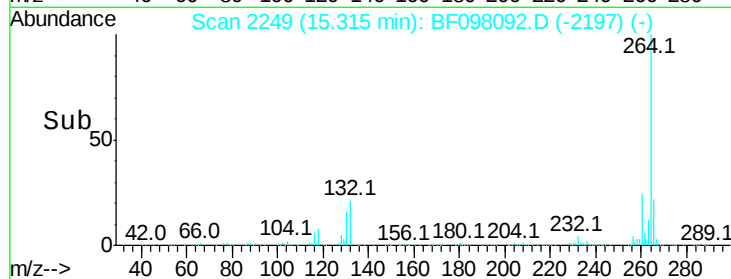
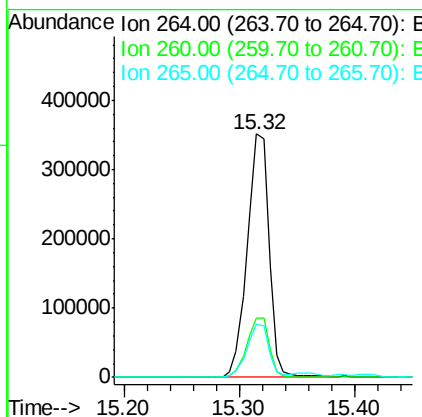
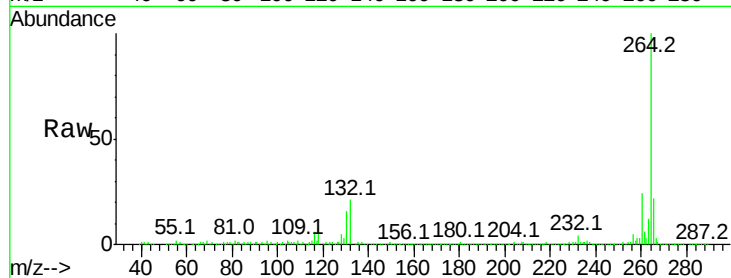




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

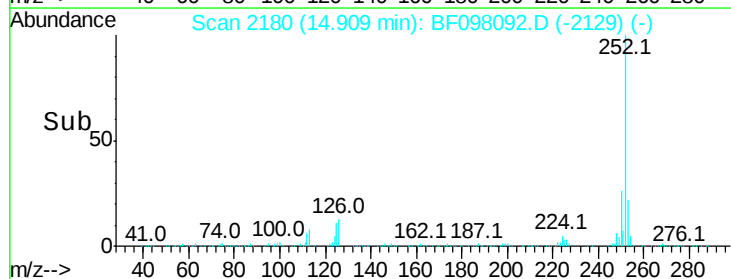
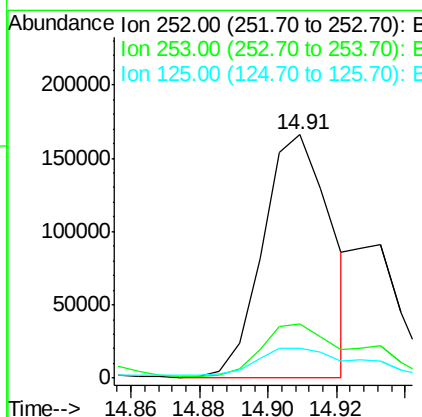
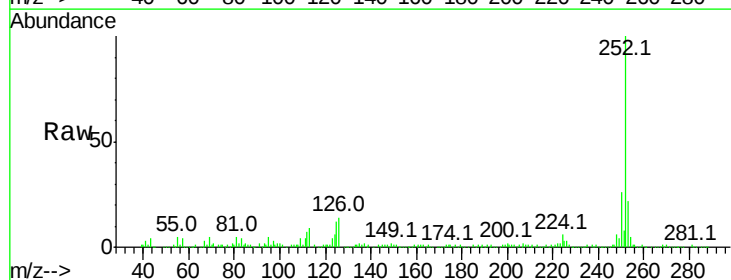
Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

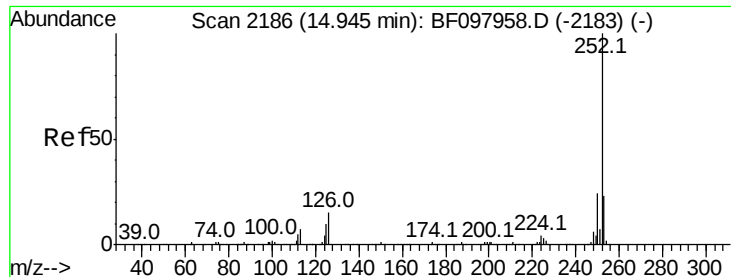
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 7.737 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.4	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.066 ng/mL

RT: 14.93 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Instrument :

BNA_F

ClientSampleId :

RT2321-RT2315-20-02-RB36575

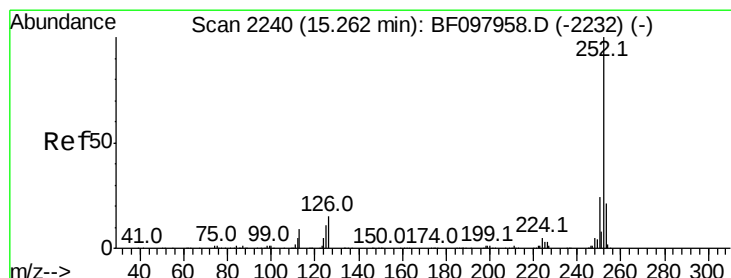
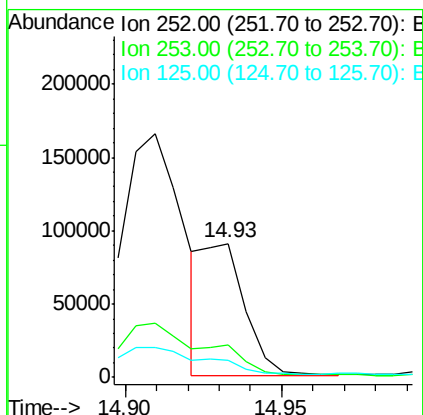
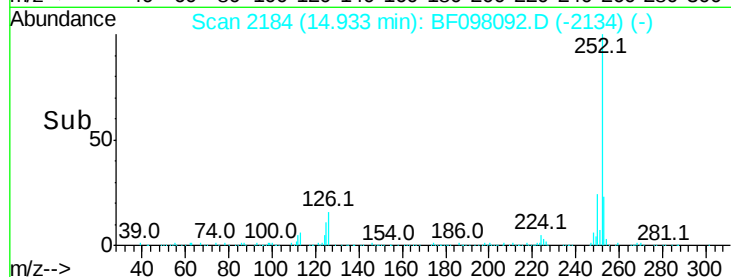
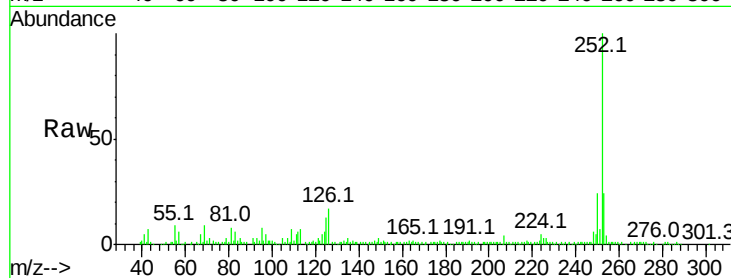
Tot Ion:252 Resp: 84546

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

125 13.0 13.1 19.7#



#89

Benzo(a)pyrene

Concen: 7.040 ng/mL

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

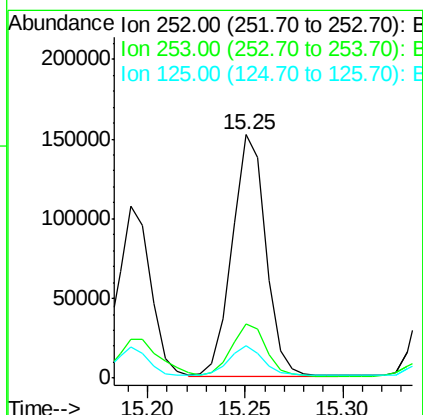
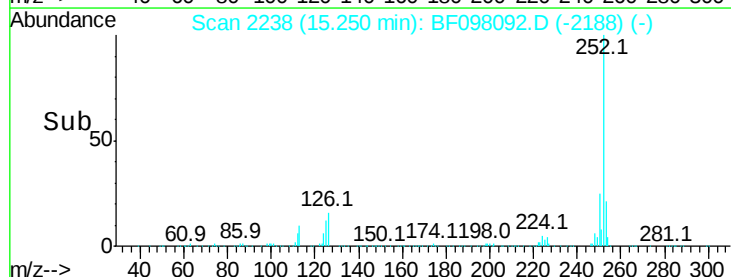
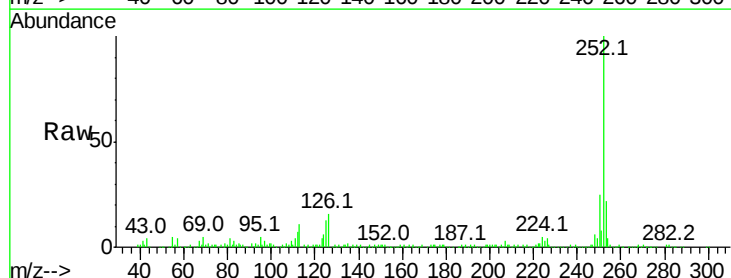
Tgt Ion:252 Resp: 182938

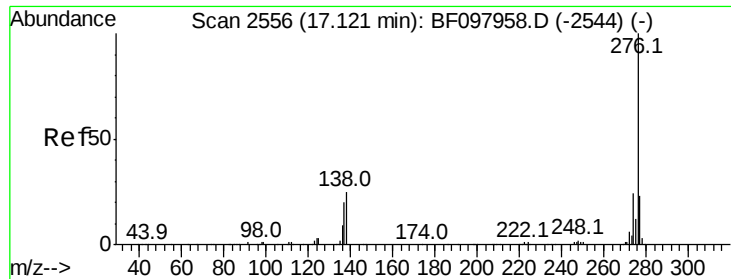
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 13.4 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 5.475 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF098092.D

Acq: 29 Aug 2017 3:20

Instrument :

BNA_F

ClientSampleId :

RT2321-RT2315-20-02-RB36575

Tot Ion:276 Resp: 120862

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 25.9 25.4 38.0

