

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098102.D
 Acq On : 29 Aug 2017 8:25
 Operator : SJ/JU
 Sample : I4961-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Aug 29 09:37:57 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

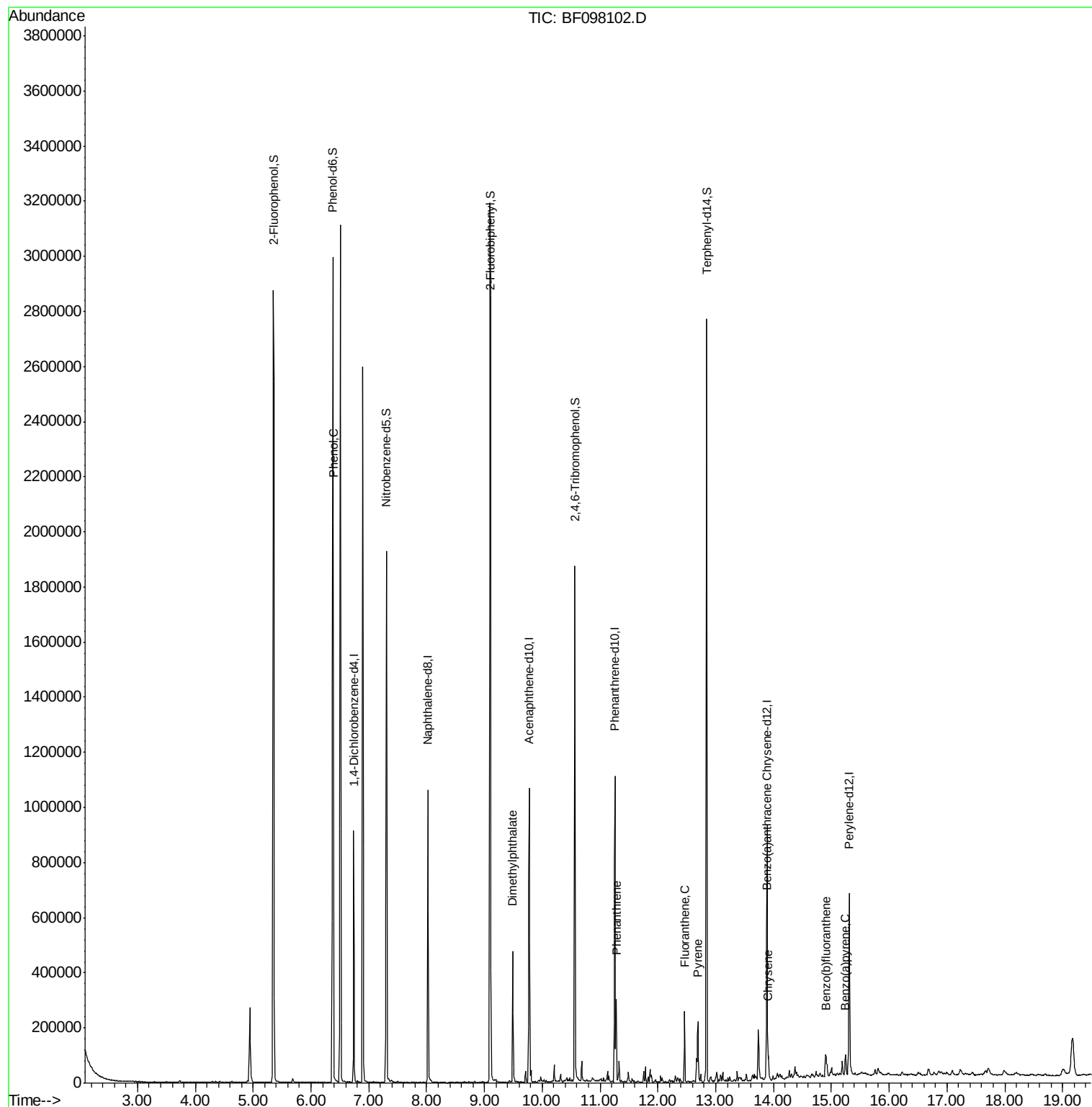
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	113471	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	449585	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	194935	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	365003	20.00	ng	0.00
75) Chrysene-d12	13.89	240	282668	20.00	ng	-0.01
86) Perylene-d12	15.31	264	277398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	945809	126.79	ng	0.00
7) Phenol-d6	6.38	99	1287408	127.01	ng	0.00
23) Nitrobenzene-d5	7.30	82	800391	96.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	219205	129.60	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1108246	83.53	ng	-0.01
78) Terphenyl-d14	12.84	244	851638	62.83	ng	0.00
Target Compounds						
10) Phenol	6.39	94	44594	3.762	ng	Qvalue 90
49) Dimethylphthalate	9.49	163	172356	12.096	ng	99
70) Phenanthrene	11.28	178	105432	5.421	ng	96
74) Fluoranthene	12.46	202	92222	4.543	ng	98
77) Pyrene	12.69	202	87025	3.764	ng	97
80) Benzo(a)anthracene	13.87	228	41842	2.470	ng	97
82) Chrysene	13.91	228	41702	2.474	ng	96
87) Benzo(b)fluoranthene	14.90	252	45379m	2.595	ng	
89) Benzo(a)pyrene	15.24	252	33903	2.190	ng	# 96

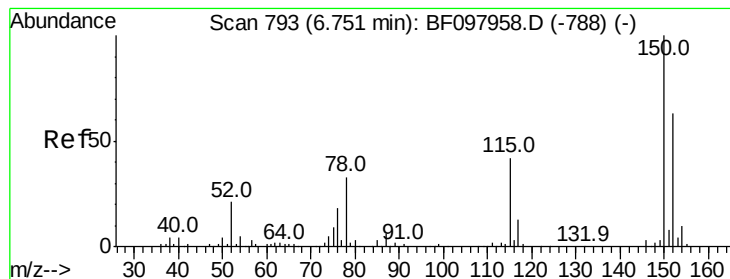
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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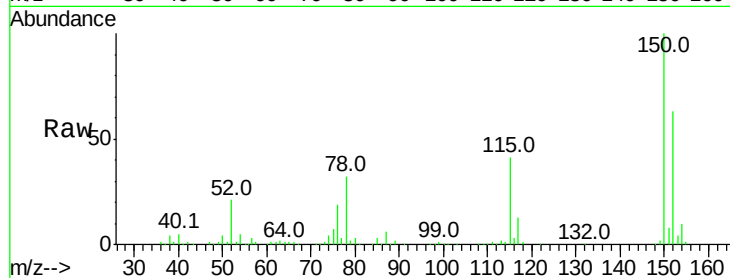


#1

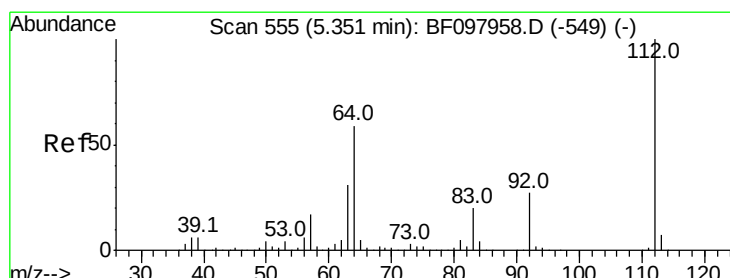
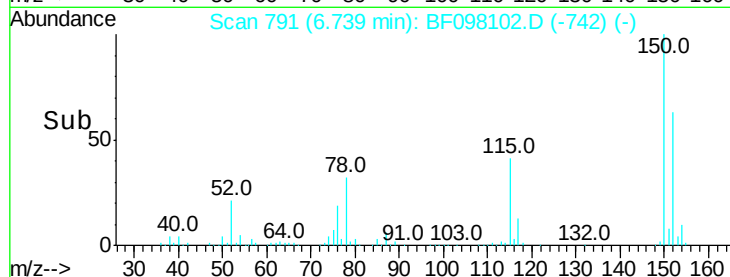
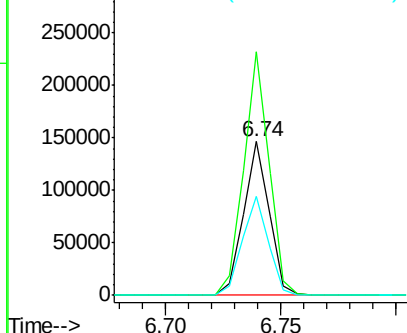
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tot Ion:152 Resp: 113471
 Ion Ratio Lower Upper
 152 100
 150 158.2 126.2 189.2
 115 64.6 52.2 78.2



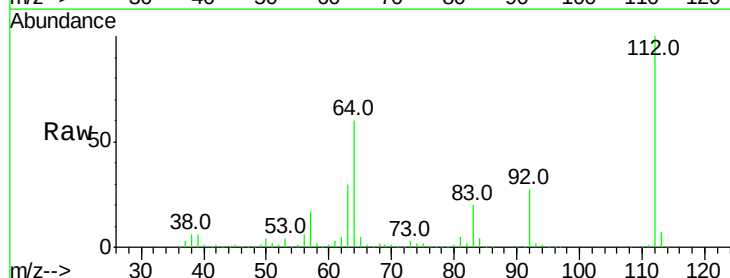
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



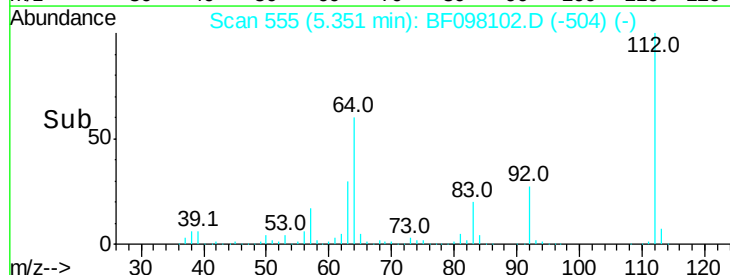
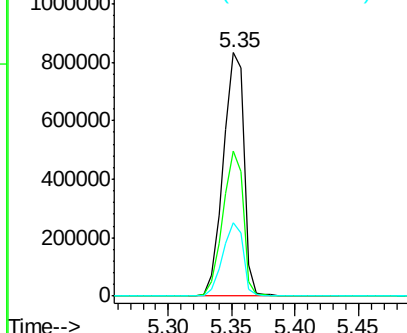
#5

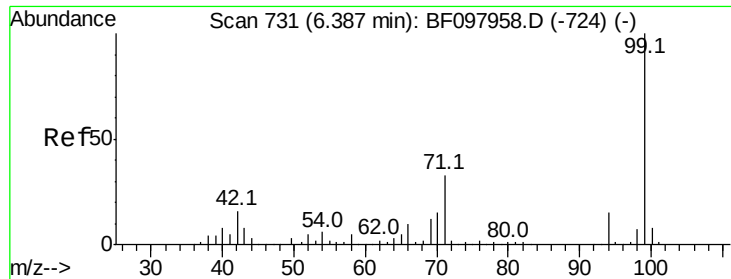
2-Fluorophenol
 Concen: 126.785 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Tgt Ion:112 Resp: 945809
 Ion Ratio Lower Upper
 112 100
 64 59.8 46.0 69.0
 63 30.2 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: 127.015 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

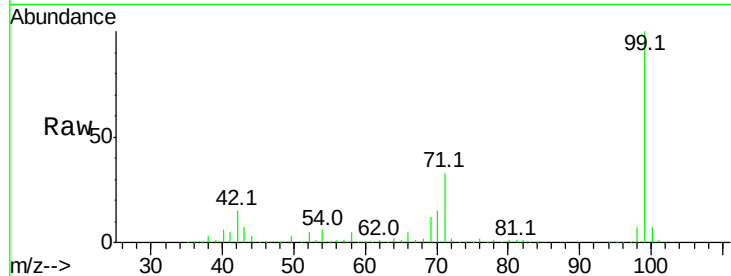
Tot Ion: 99 Resp: 1287408

Ion Ratio Lower Upper

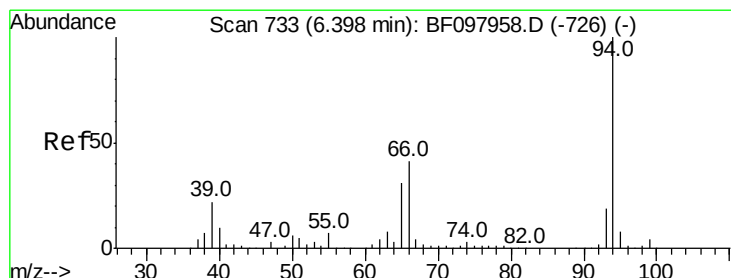
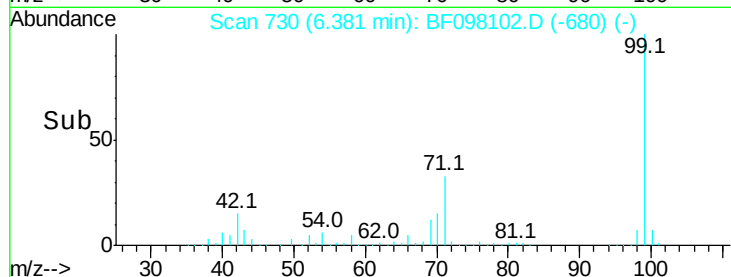
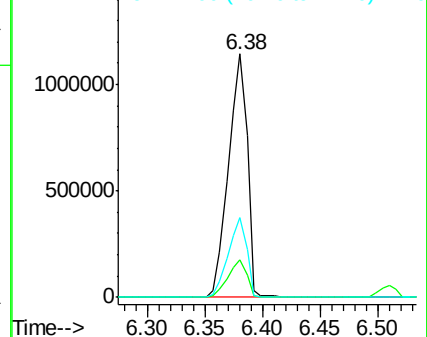
99 100

42 15.5 13.5 20.3

71 32.6 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



#10

Phenol

Concen: 3.762 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

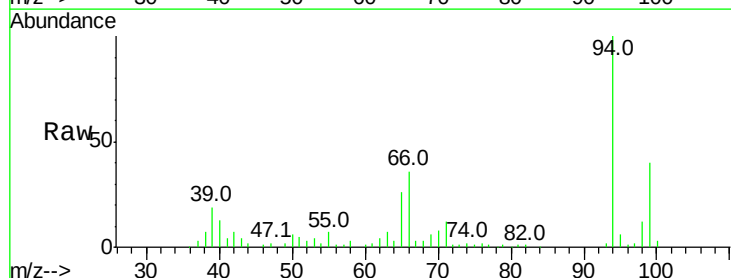
Tgt Ion: 94 Resp: 44594

Ion Ratio Lower Upper

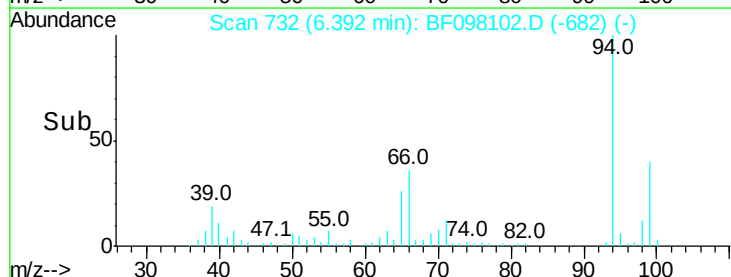
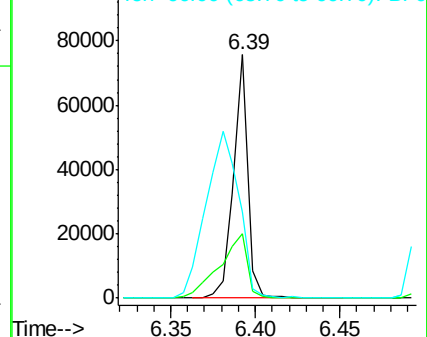
94 100

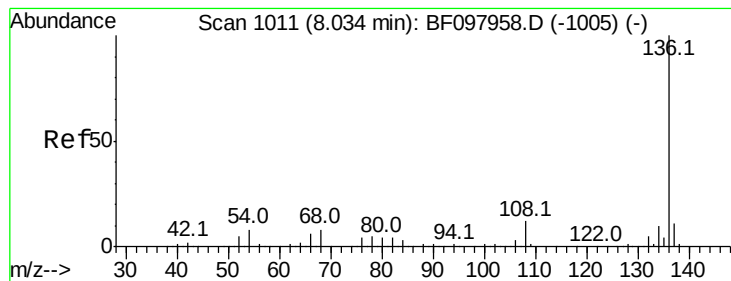
65 26.4 9.9 49.9

66 35.5 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tot Ion:136 Resp: 449585

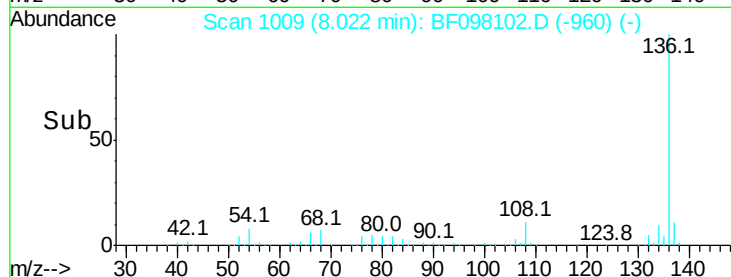
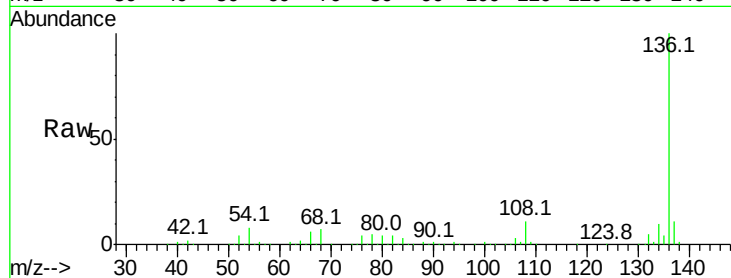
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.7 4.9 7.3#

68 7.4 4.1 6.1#

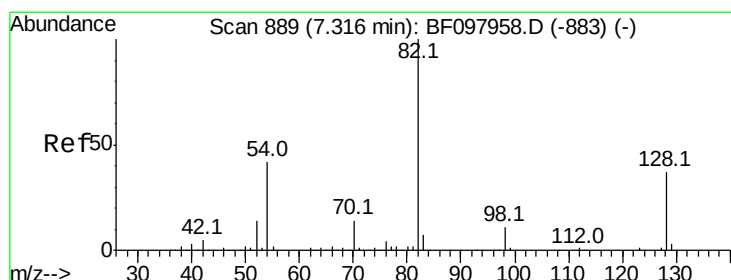
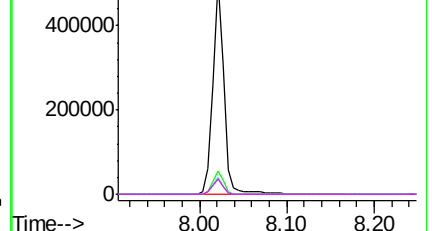


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.713 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

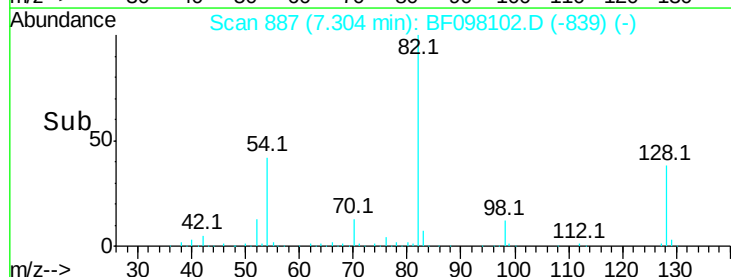
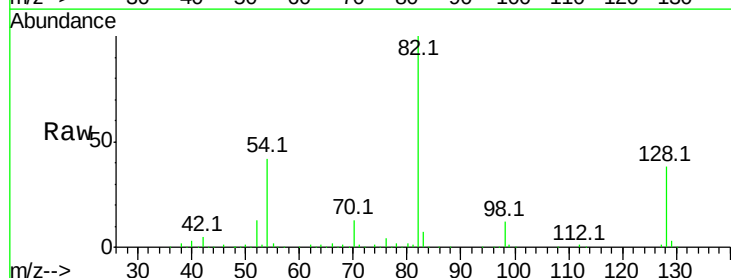
Tgt Ion: 82 Resp: 800391

Ion Ratio Lower Upper

82 100

128 38.5 34.0 51.0

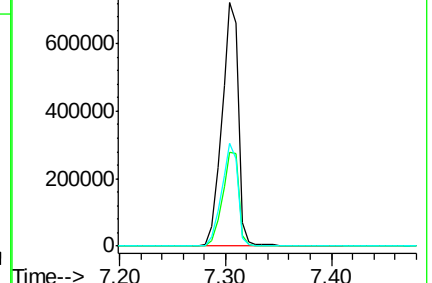
54 42.2 42.2 63.2#

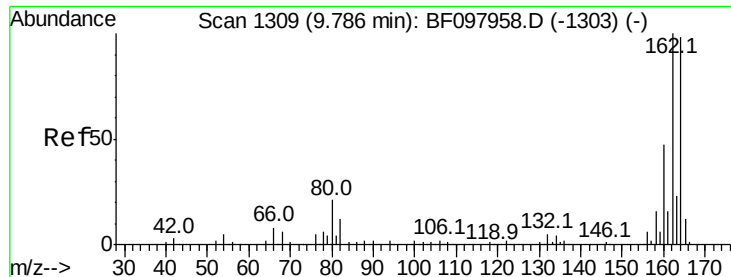


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

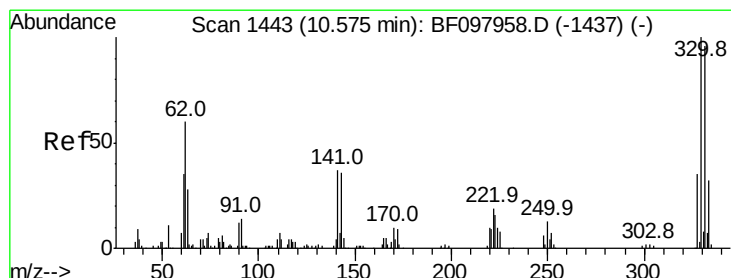
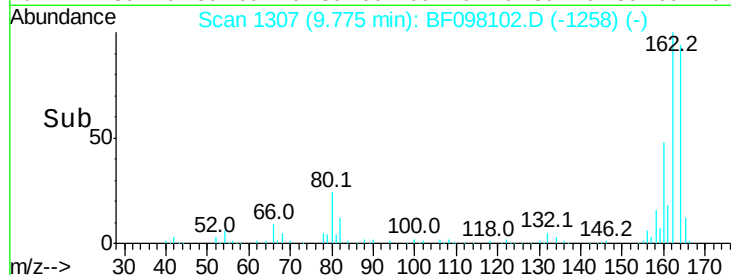
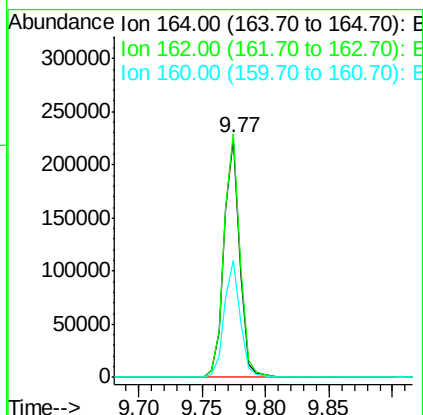
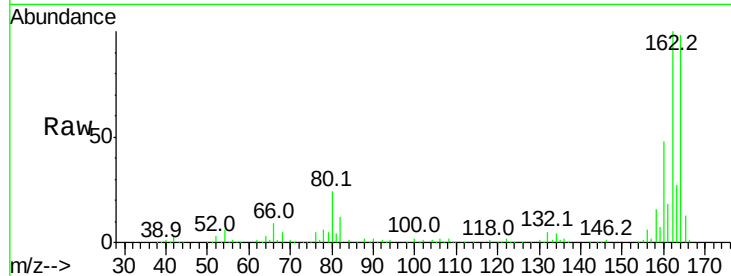




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

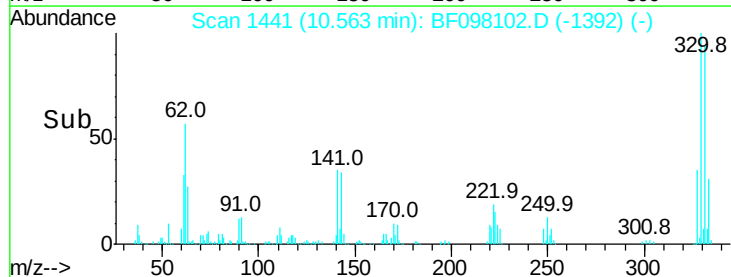
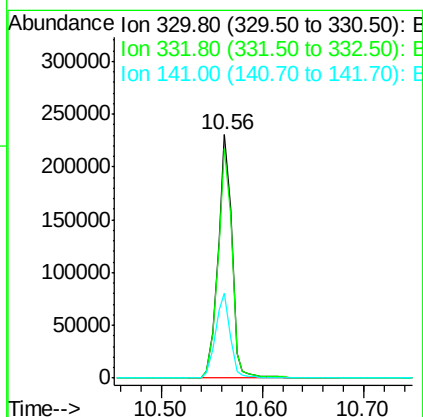
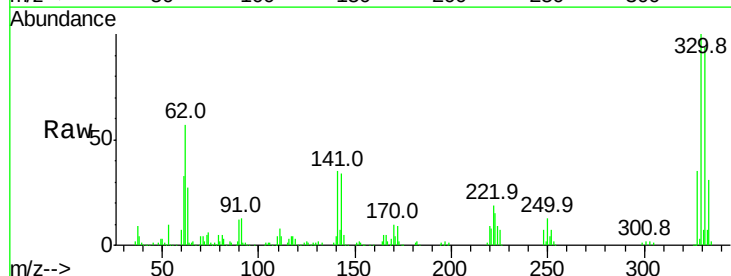
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

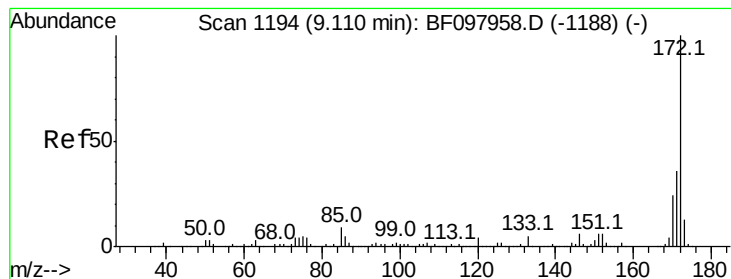
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	48.6	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 129.601 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	37.7	31.4	47.2





#44

2-Fluorobiphenyl

Concen: 83.527 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

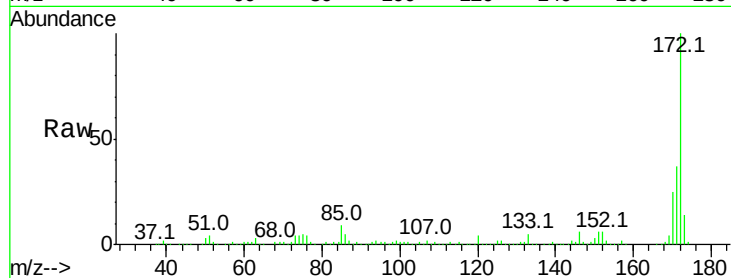
BNA_F

ClientSampleId :

SB-02-COMP

Tot Ion:172 Resp: 1108246

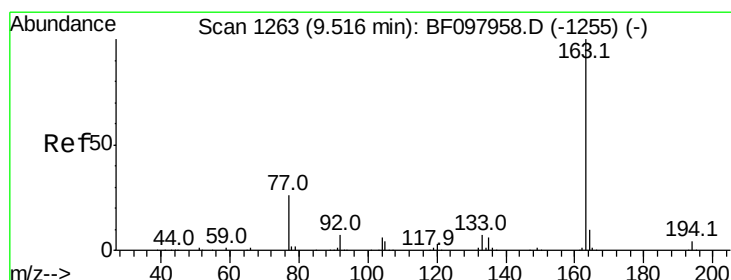
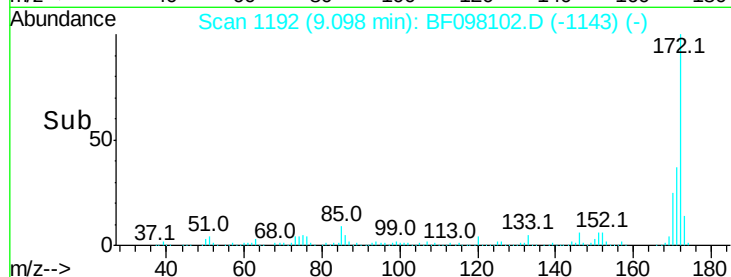
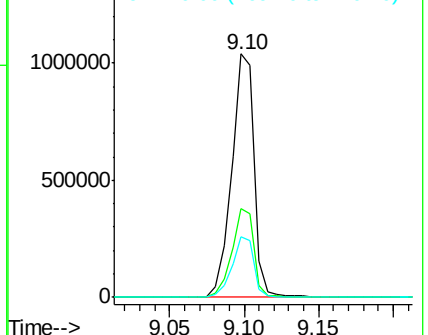
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.7	19.8	29.8



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: 12.096 ng

RT: 9.49 min Scan# 1259

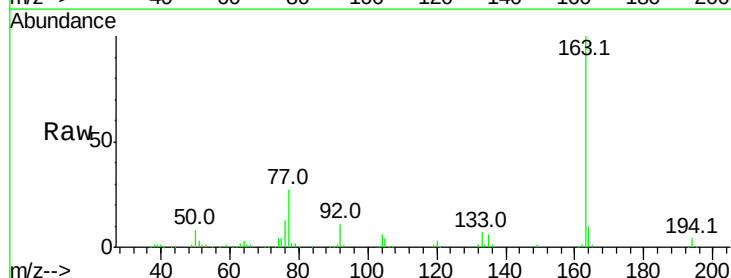
Delta R.T. -0.02 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Tgt Ion:163 Resp: 172356

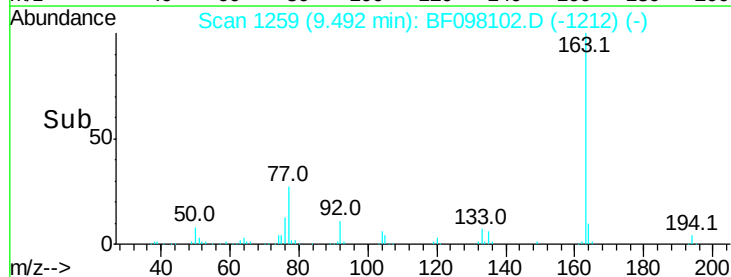
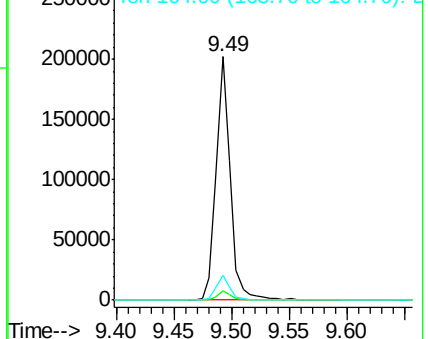
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.0	8.4	12.6

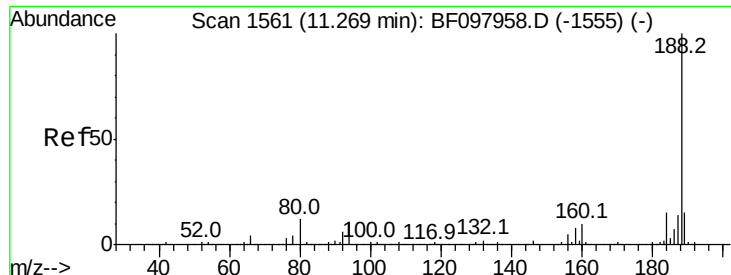


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

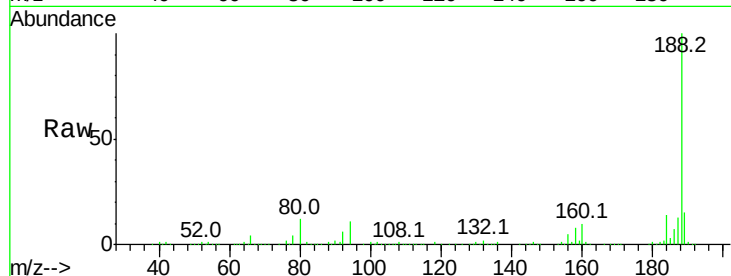




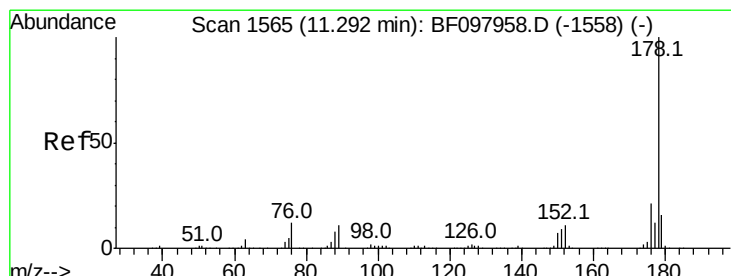
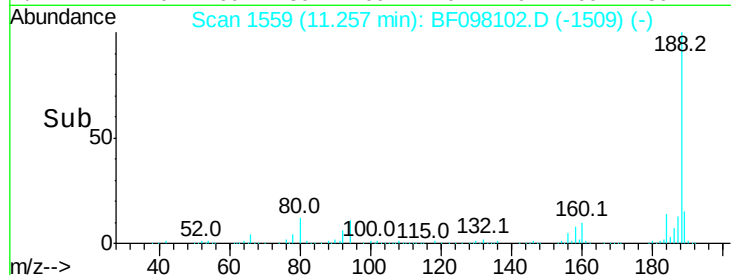
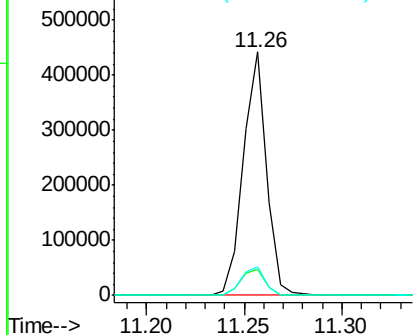
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

Instrument :
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ClientSampleId :
SB-02-COMP

Tot Ion:188 Resp: 365003
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.5 10.2 15.2

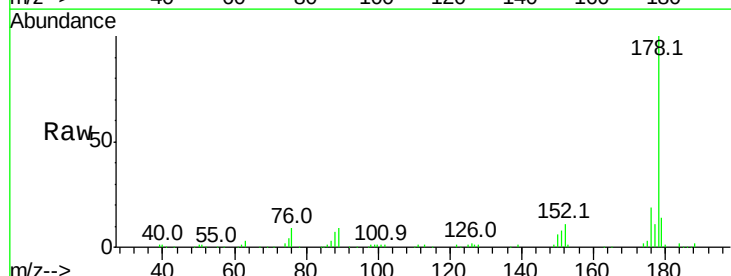


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

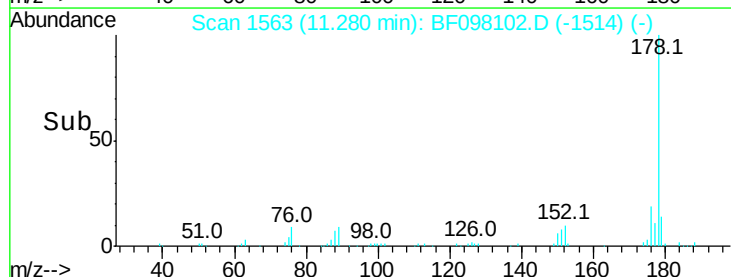
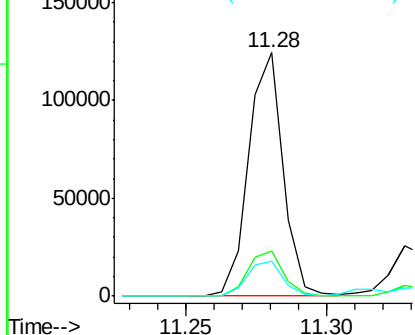


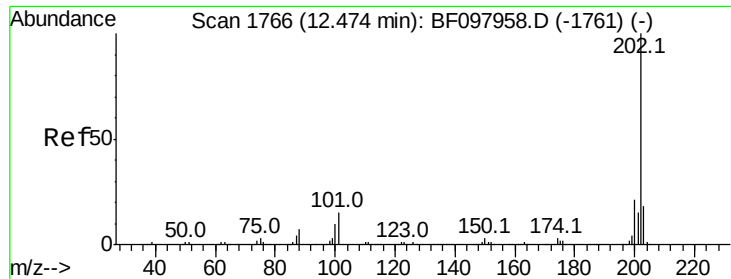
#70
Phenanthrene
Concen: 5.421 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

Tgt Ion:178 Resp: 105432
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 14.3 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: 4.543 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

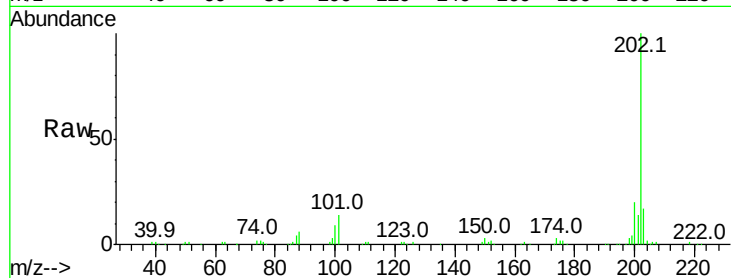
Tot Ion:202 Resp: 92222

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

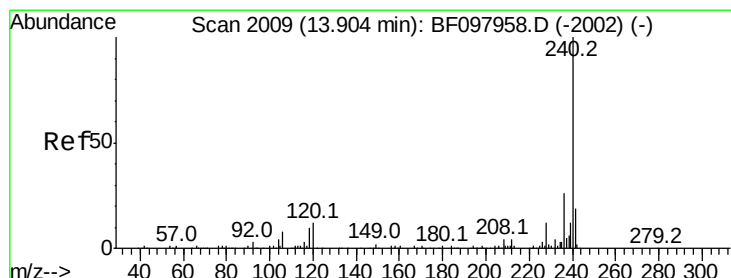
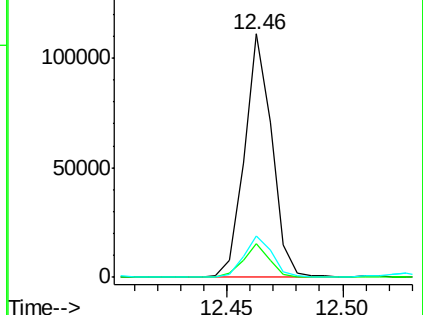
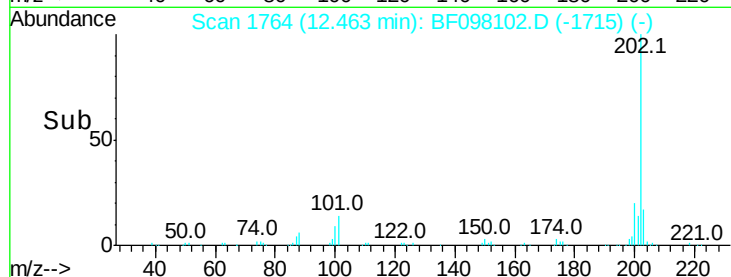
203 17.1 0.0 38.1



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# 2006

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

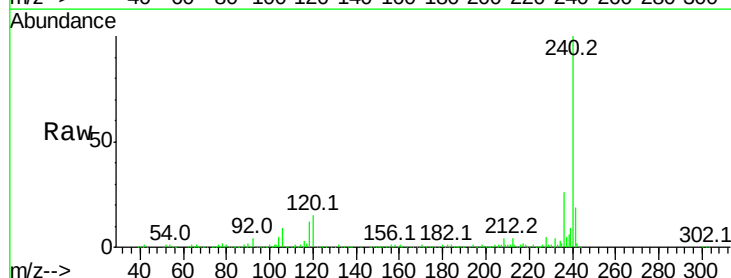
Tgt Ion:240 Resp: 282668

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

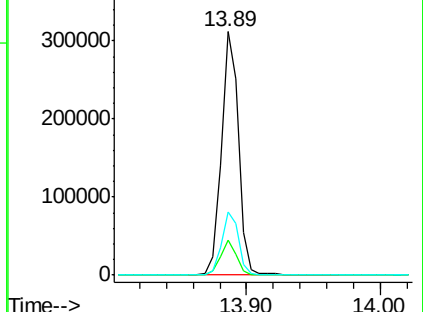
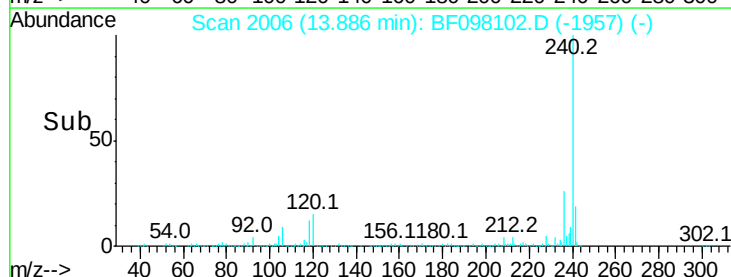
236 25.9 20.5 30.7

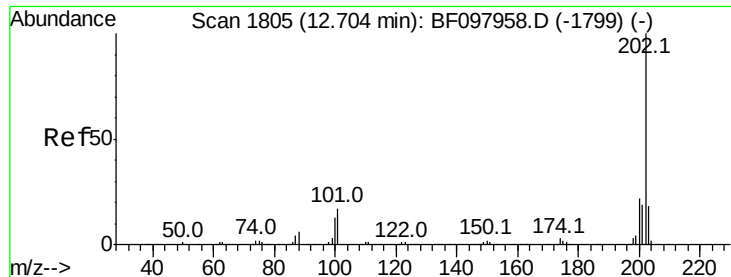


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.764 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

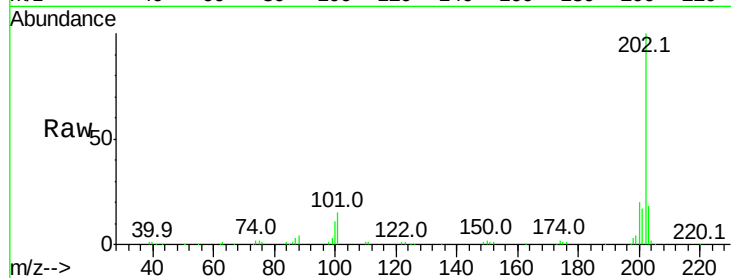
Tot Ion:202 Resp: 87025

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

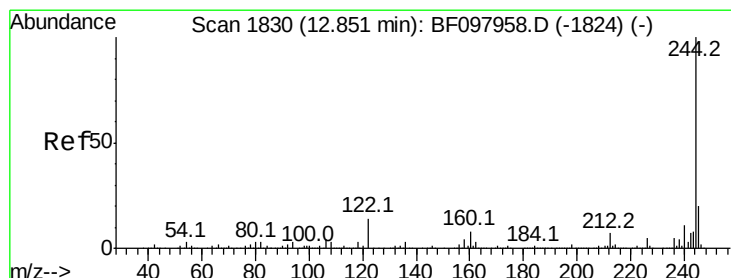
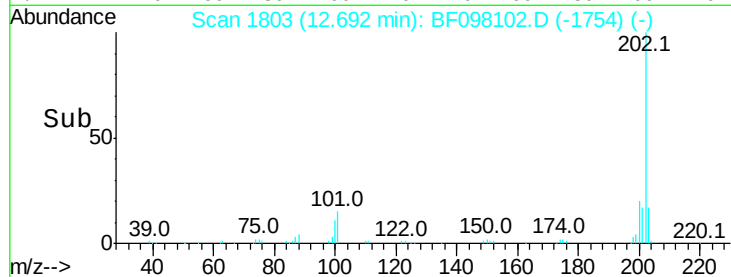
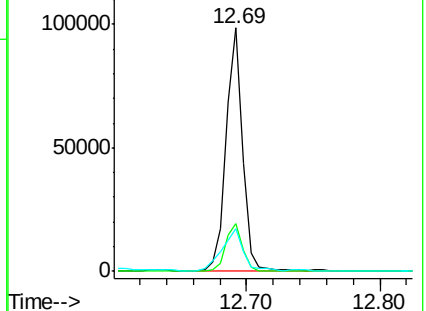
203 17.6 14.4 21.6



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: 62.828 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

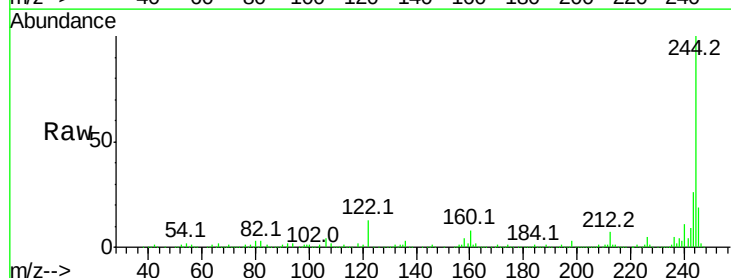
Tgt Ion:244 Resp: 851638

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

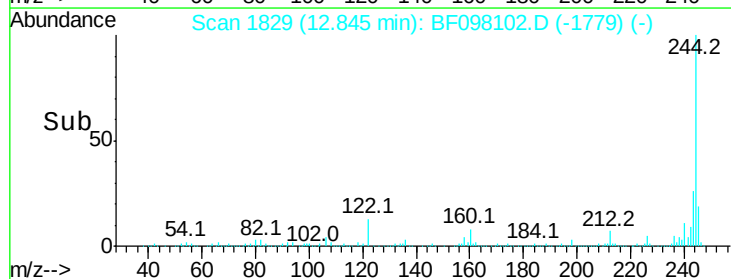
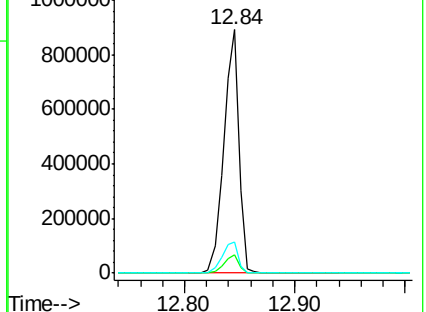
122 12.8 10.3 15.5

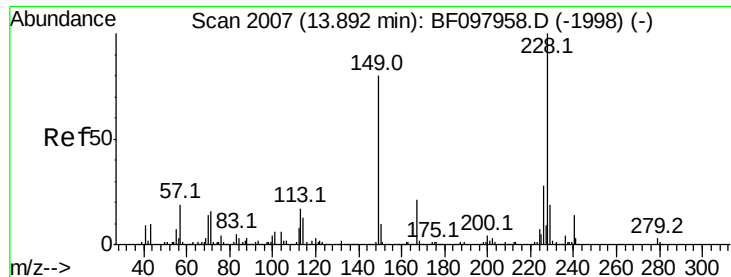


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.470 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

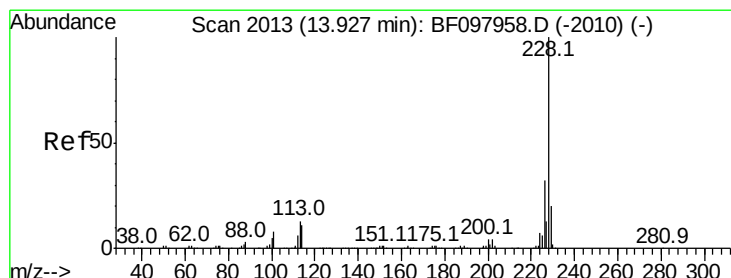
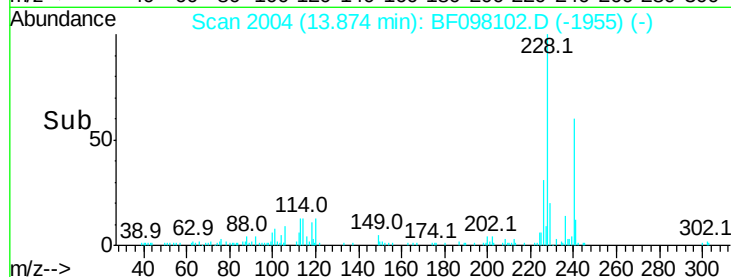
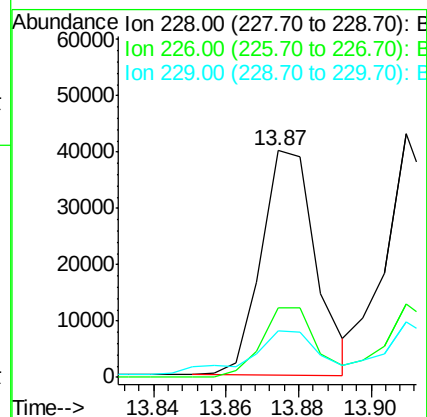
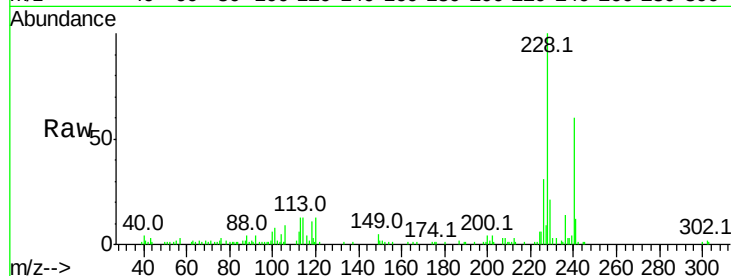
Tot Ion:228 Resp: 41842

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

229 20.5 16.3 24.5



#82

Chrysene

Concen: 2.474 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

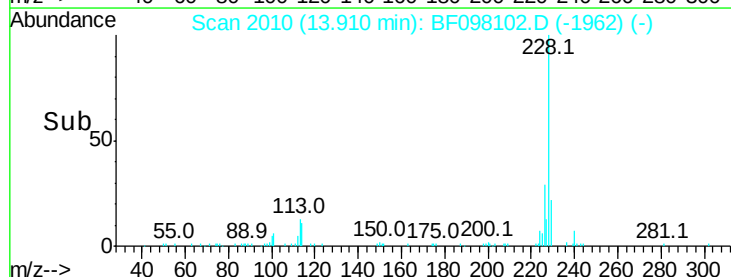
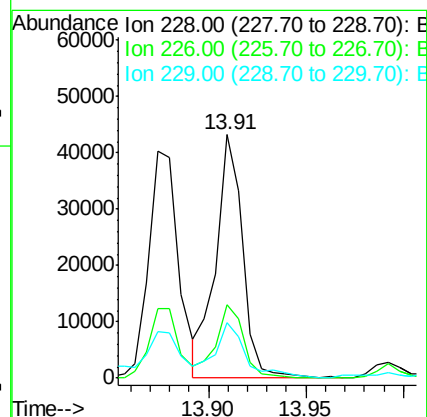
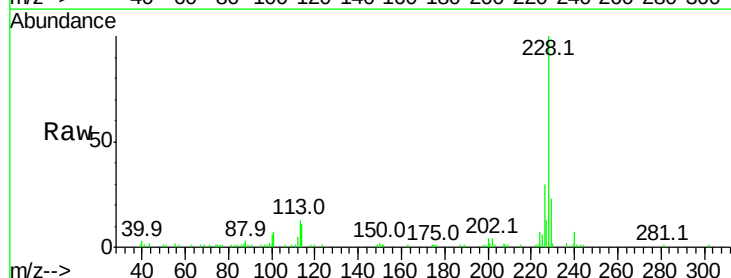
Tgt Ion:228 Resp: 41702

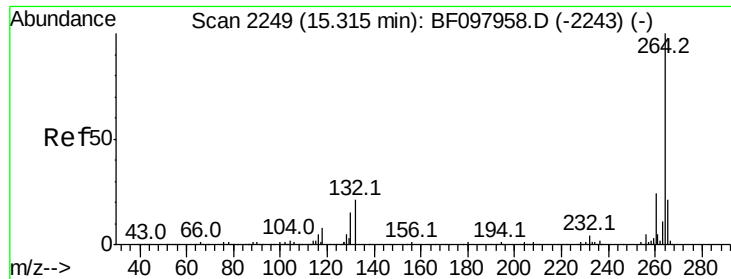
Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

229 23.0 15.8 23.6





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

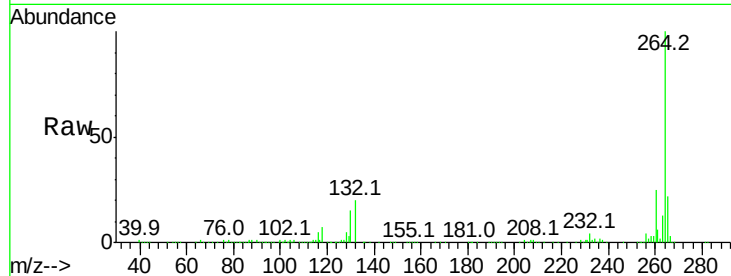
Tot Ion:264 Resp: 277398

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

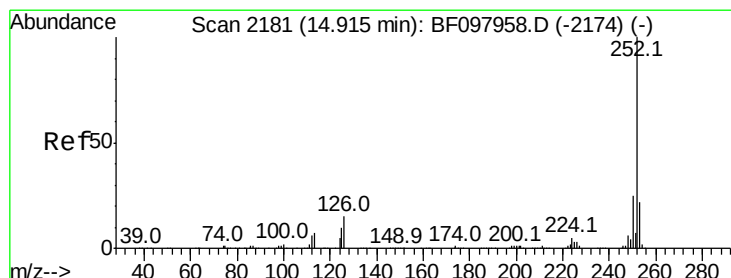
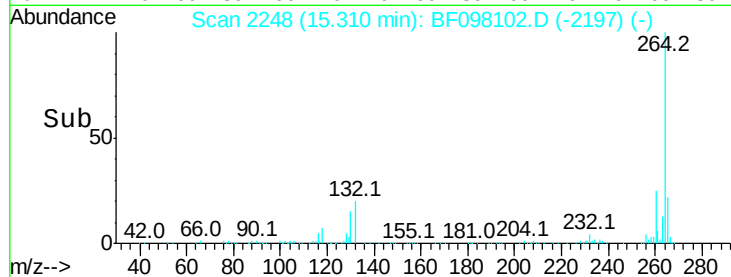
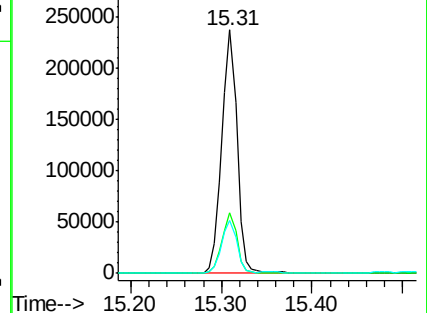
265 21.9 17.2 25.8



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: 2.595 ng m

RT: 14.90 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

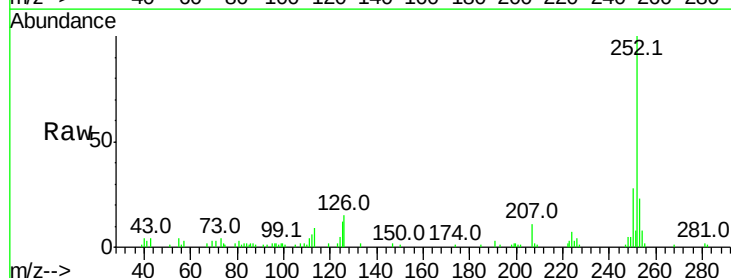
Tgt Ion:252 Resp: 45379

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

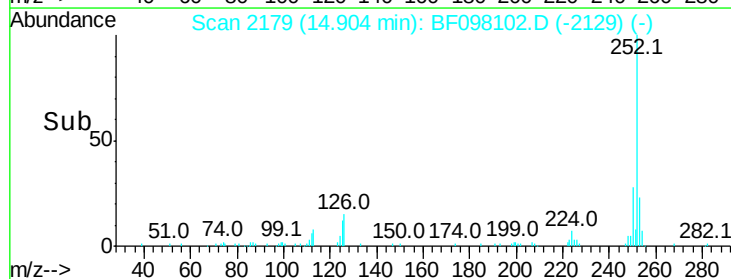
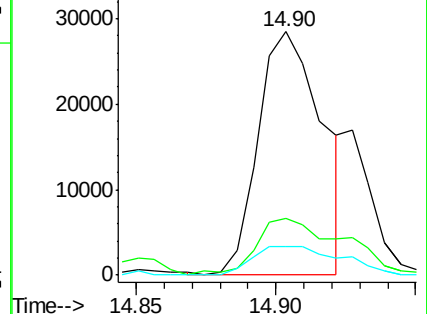
125 12.0 9.8 14.8

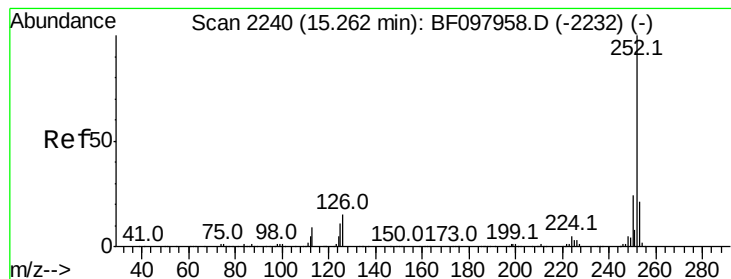


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.190 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tot Ion:252 Resp: 33903

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.5 11.0 16.4#

