

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095648.D
 Acq On : 2 Jun 2017 22:45
 Operator : SJ/MA
 Sample : I3440-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 03 01:35:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

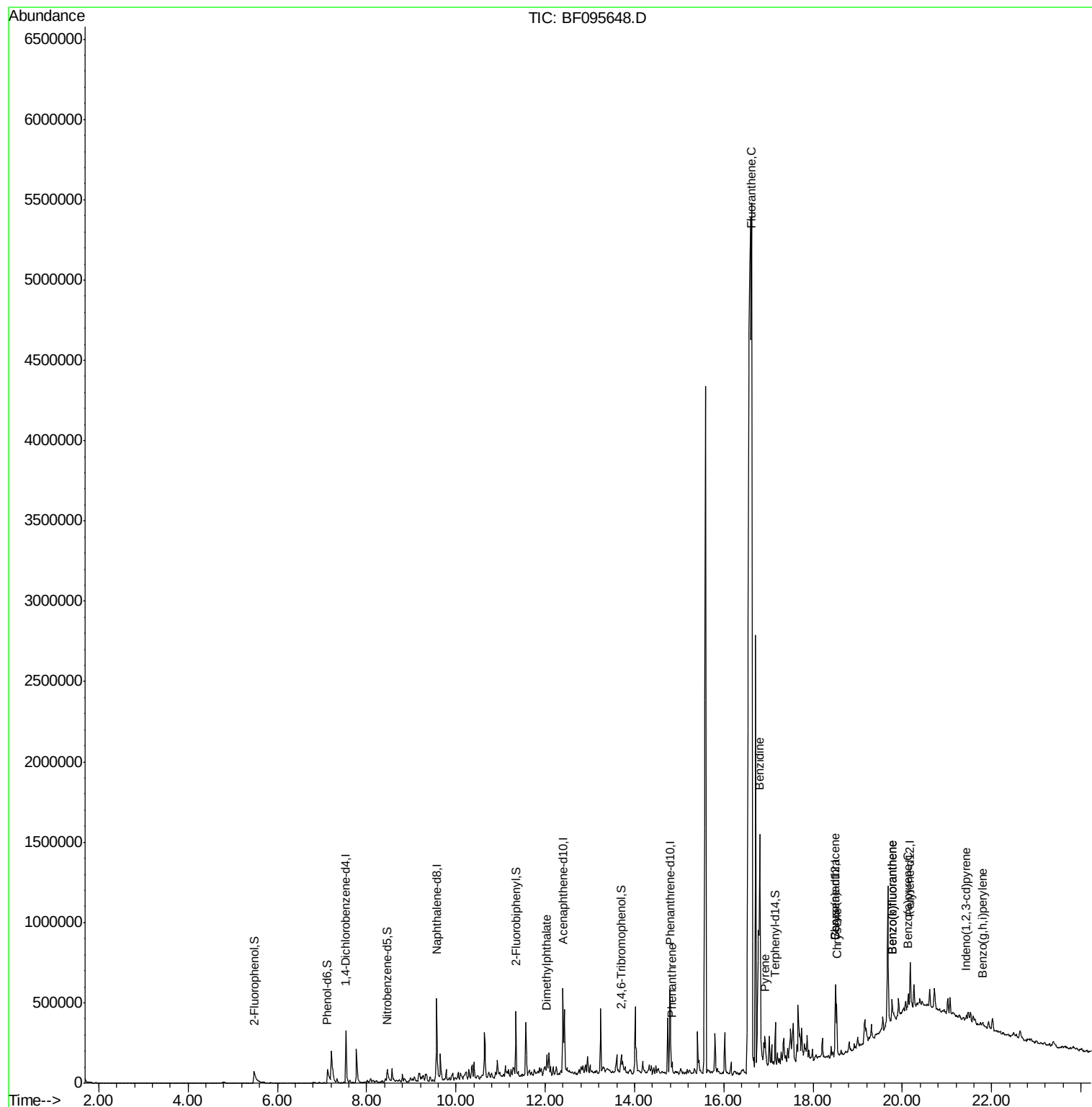
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	82200	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	335550	20.00	ng	0.00
38) Acenaphthene-d10	12.40	164	146893	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	219232	20.00	ng	0.00
75) Chrysene-d12	18.50	240	173044	20.00	ng	0.00
86) Perylene-d12	20.17	264	131837	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	97836	19.84	ng	0.03
7) Phenol-d6	7.12	99	127034	21.47	ng	0.02
23) Nitrobenzene-d5	8.46	82	69399	13.04	ng	0.00
41) 2,4,6-Tribromophenol	13.70	330	23223	19.30	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	158528	15.53	ng	0.00
78) Terphenyl-d14	17.16	244	96192	12.24	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.04	163	38359	3.18	ng	# 97
70) Phenanthrene	14.84	178	37940	3.01	ng	94
74) Fluoranthene	16.61	202	45779	3.54	ng	# 39
76) Benzidine	16.81	184	244	6.63	ng	# 1
77) Pyrene	16.92	202	96352	7.45	ng	95
80) Benzo(a)anthracene	18.49	228	51866	5.15	ng	97
82) Chrysene	18.53	228	49536	5.09	ng	98
85) Indeno(1,2,3-cd)pyrene	21.44	276	19129	2.42	ng	99
87) Benzo(b)fluoranthene	19.77	252	77698	9.54	ng	# 89
88) Benzo(k)fluoranthene	19.77	252	77698	9.89	ng	# 93
89) Benzo(a)pyrene	20.13	252	39262	5.22	ng	# 88
91) Benzo(a,h,i)perylene	21.80	276	19566	3.21	ng	# 89

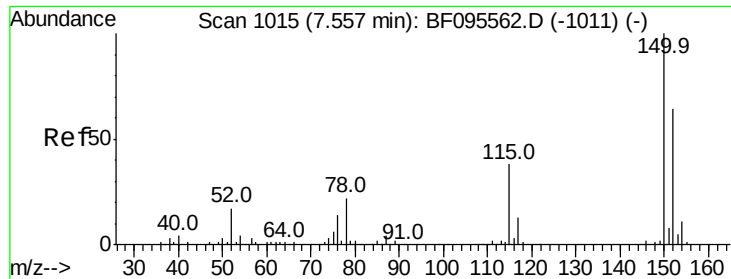
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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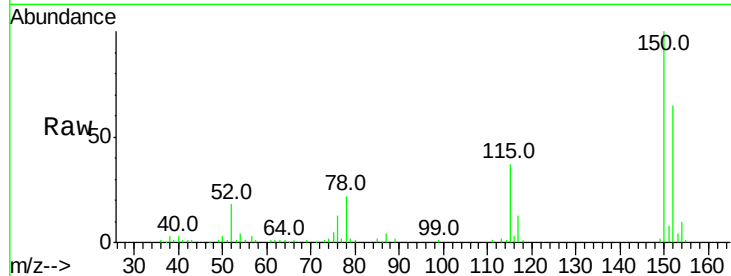


#1

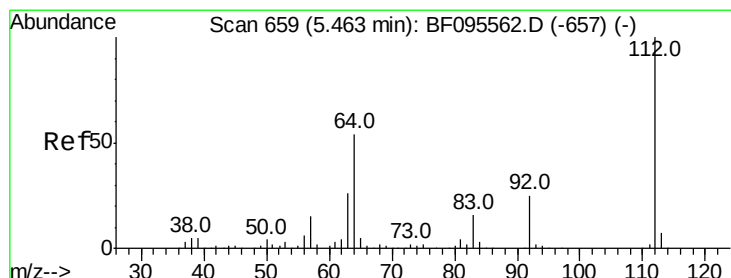
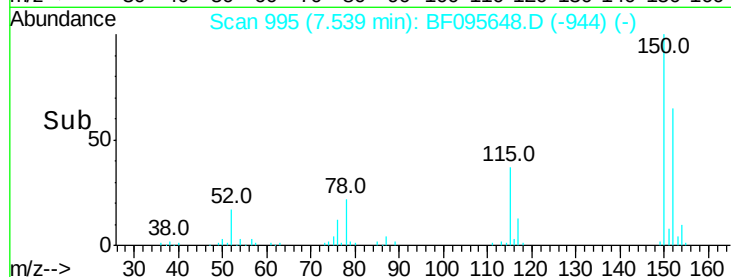
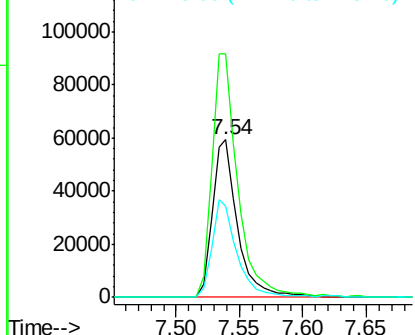
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. -0.00 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82200
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 57.9 52.2 78.2



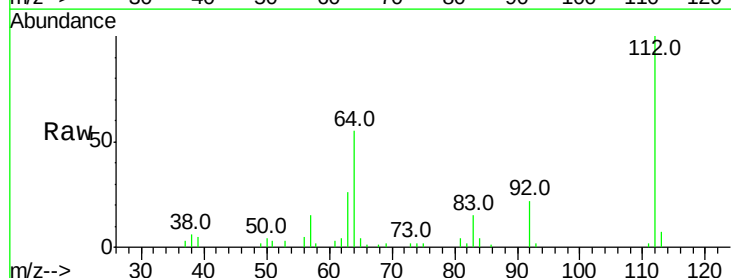
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



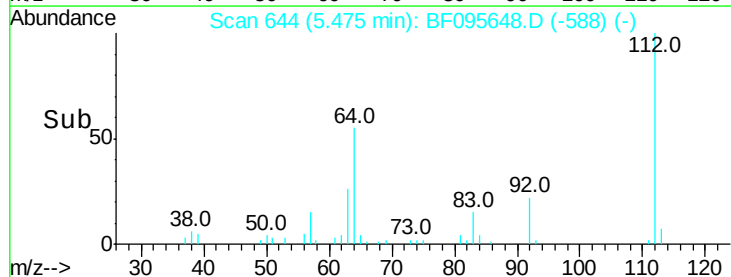
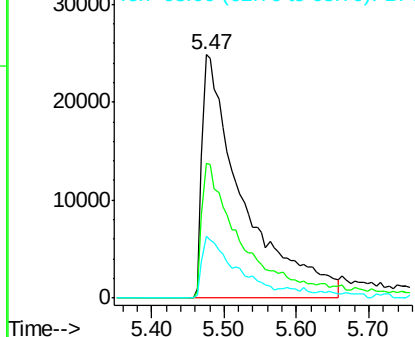
#5

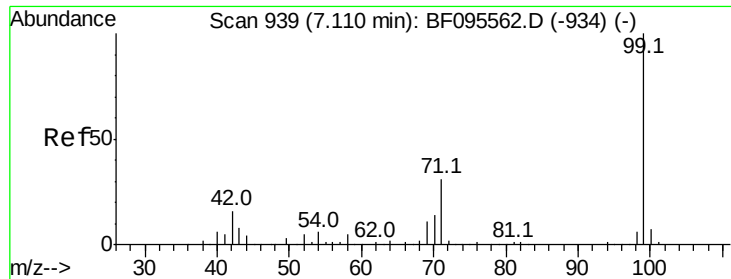
2-Fluorophenol
Concen: 19.84 ng
RT: 5.47 min Scan# 644
Delta R.T. 0.03 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Tgt Ion:112 Resp: 97836
Ion Ratio Lower Upper
112 100
64 55.4 46.0 69.0
63 25.6 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: 21.47 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

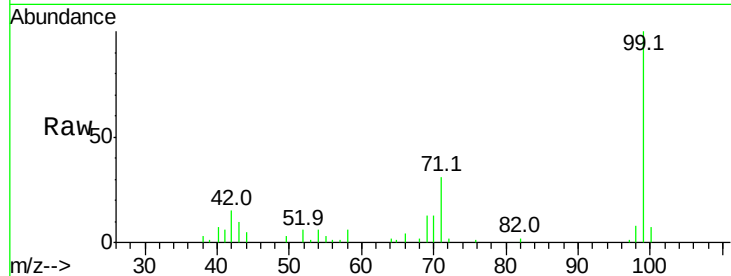
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 127034

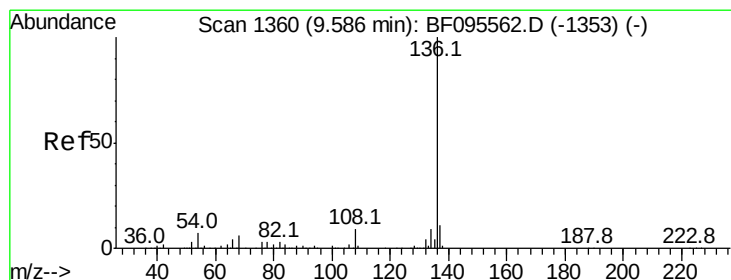
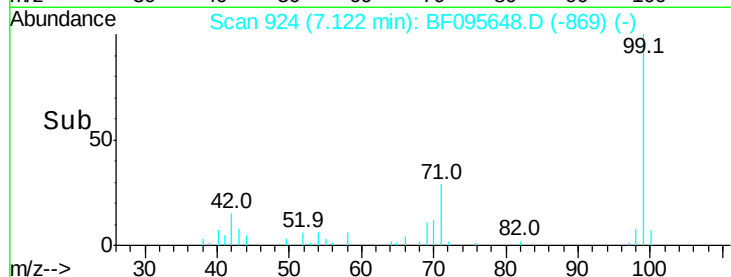
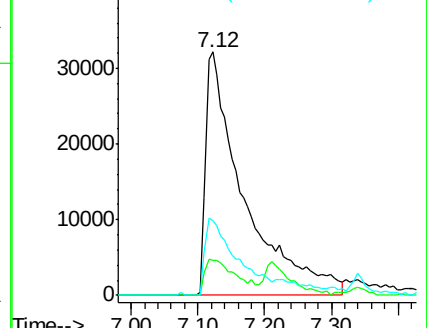
Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.5	20.3
71	30.5	24.5	36.7



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: 20.00 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

Tgt Ion: 136 Resp: 335550

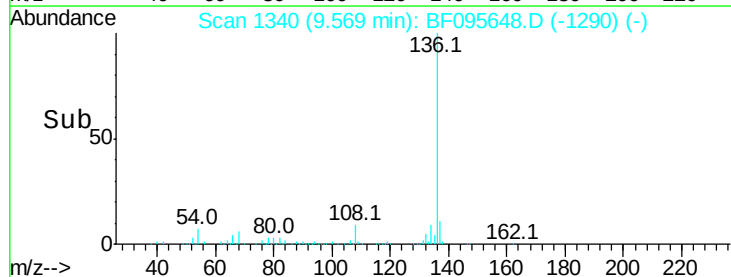
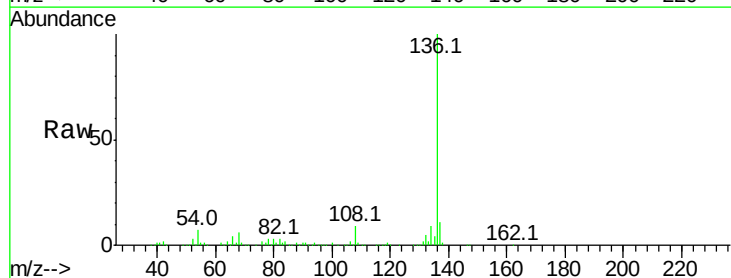
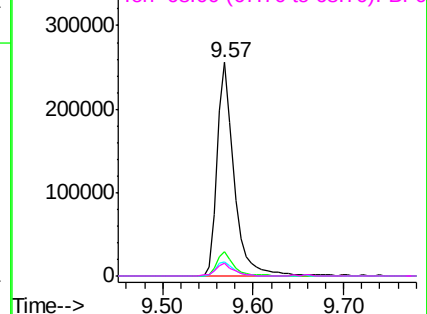
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	6.7	4.9	7.3
68	5.8	4.1	6.1

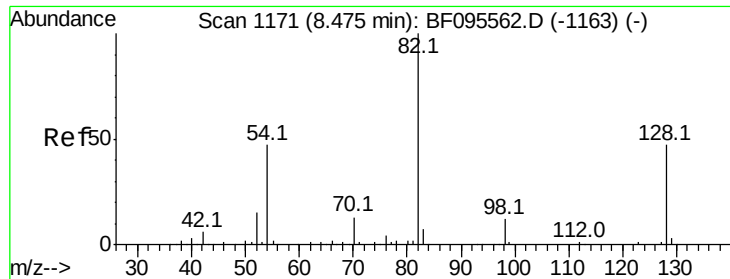
Abundance Ion 136.00 (135.70 to 136.70): E

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

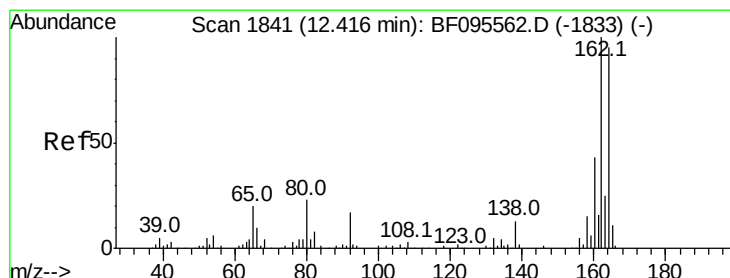
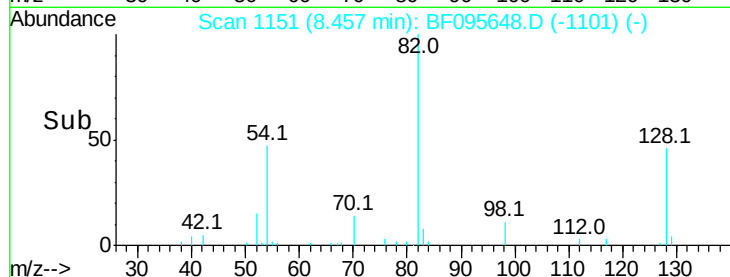
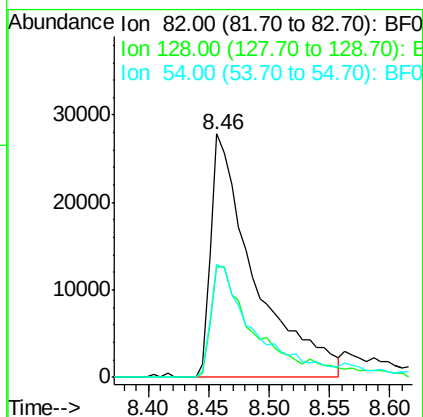
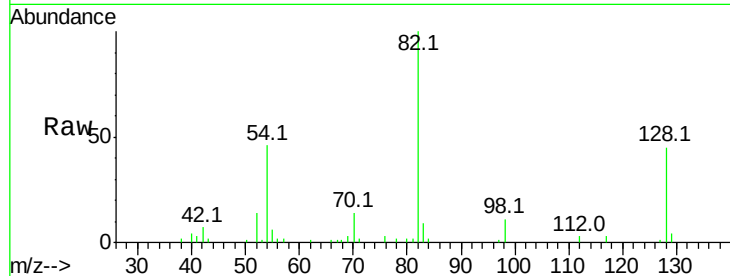




#23
Nitrobenzene-d5
Concen: 13.04 ng
RT: 8.46 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

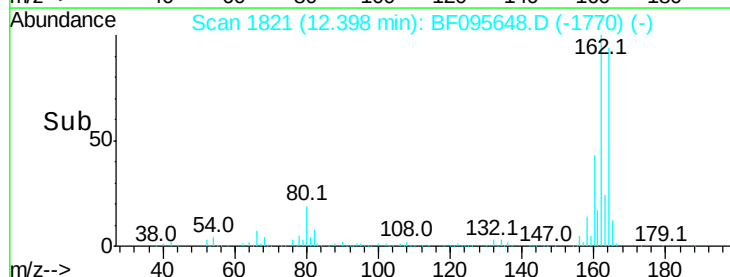
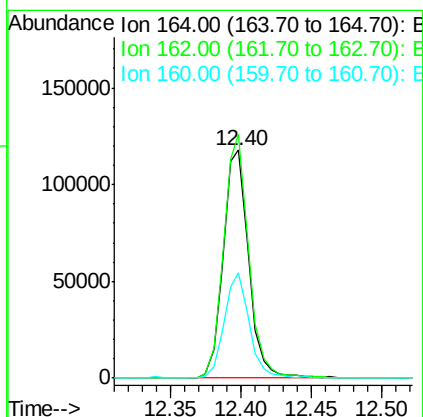
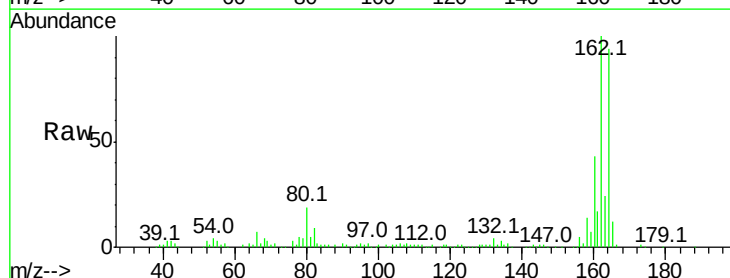
Instrument :
BNA_F
ClientSampleId :

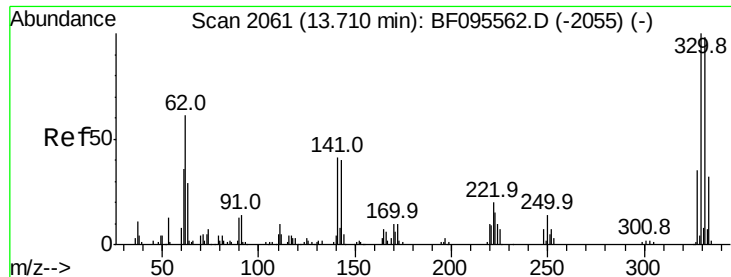
Tot Ion: 82 Resp: 69399
Ion Ratio Lower Upper
82 100
128 45.3 34.0 51.0
54 46.3 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.40 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Tgt Ion:164 Resp: 146893
Ion Ratio Lower Upper
164 100
162 106.8 82.6 123.8
160 46.4 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 19.30 ng

RT: 13.70 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

Instrument :

BNA_F

ClientSampleId :

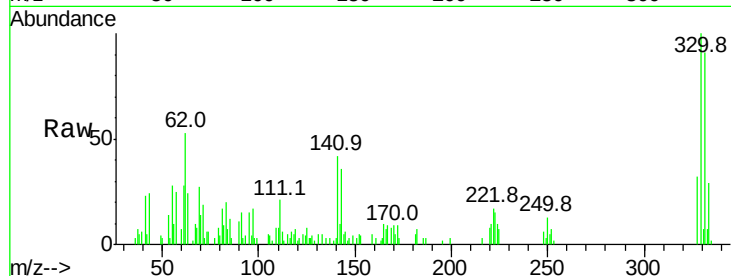
Tot Ion:330 Resp: 23223

Ion Ratio Lower Upper

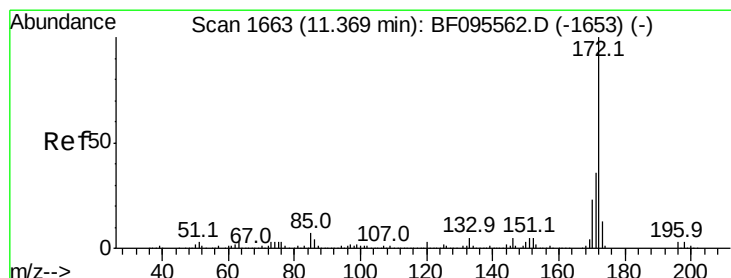
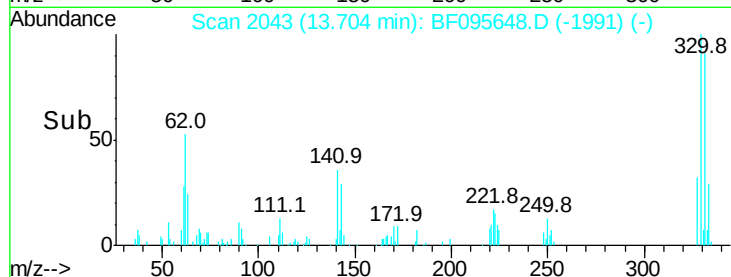
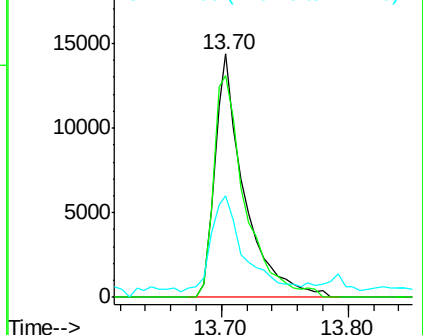
330 100

332 97.7 76.6 115.0

141 43.3 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: 15.53 ng

RT: 11.35 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

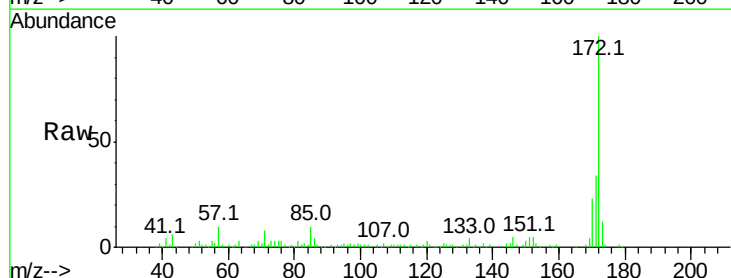
Tgt Ion:172 Resp: 158528

Ion Ratio Lower Upper

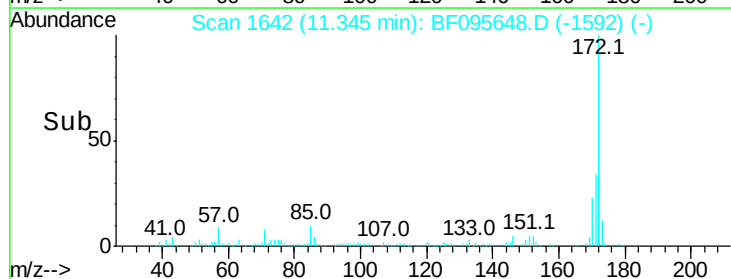
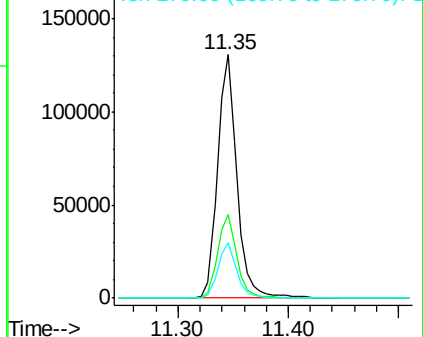
172 100

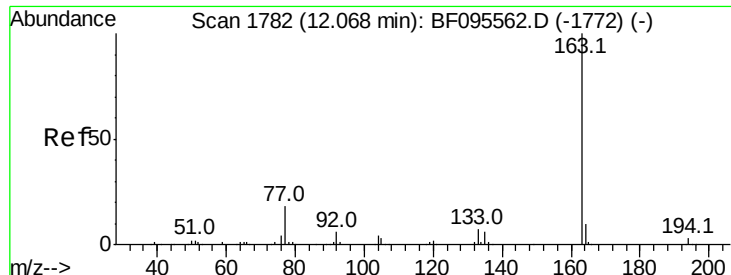
171 34.2 29.6 44.4

170 22.9 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

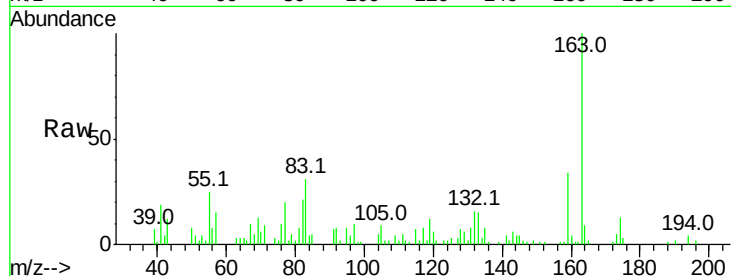




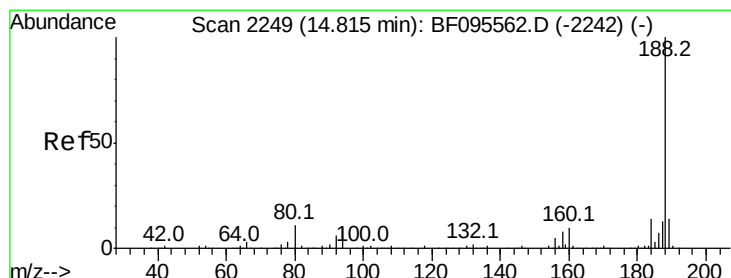
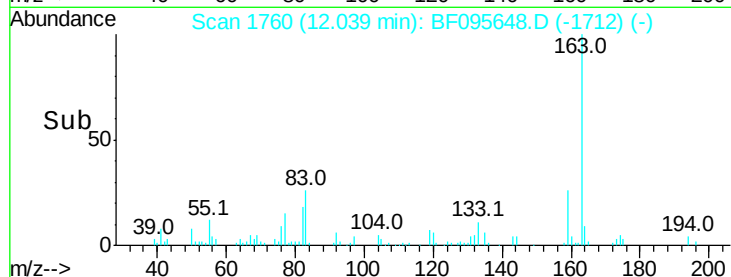
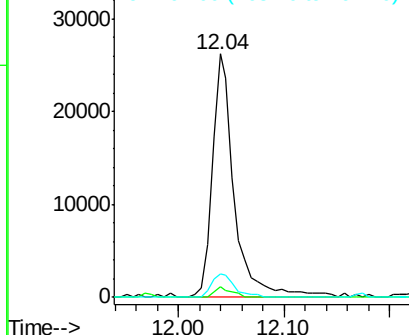
#49
Dimethylphthalate
Concen: 3.18 ng
RT: 12.04 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 38359
Ion Ratio Lower Upper
163 100
194 4.5 2.6 4.0#
164 9.5 8.4 12.6

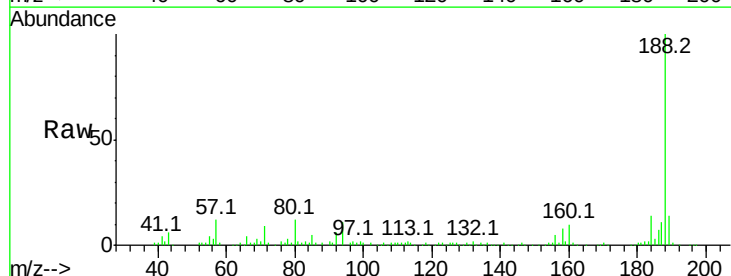


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

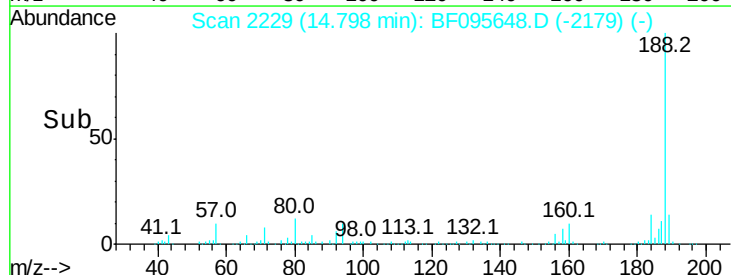
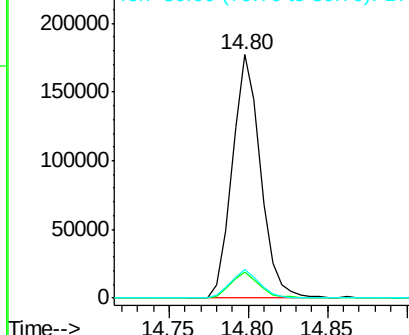


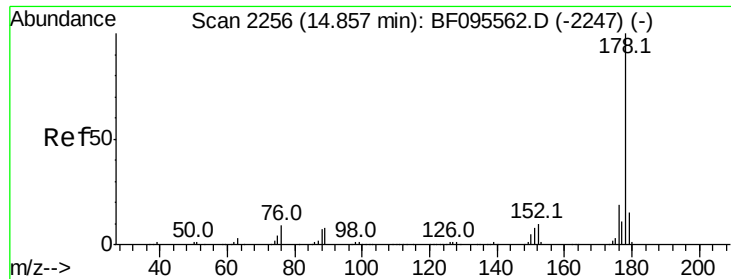
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Tgt Ion:188 Resp: 219232
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.8 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

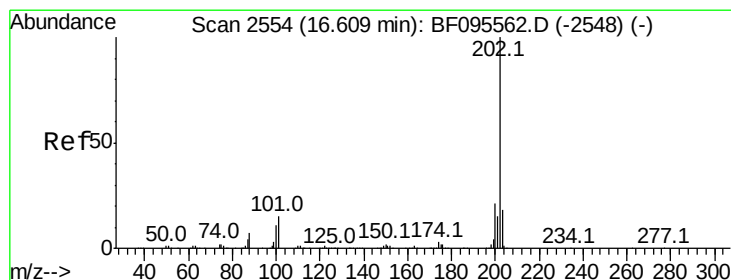
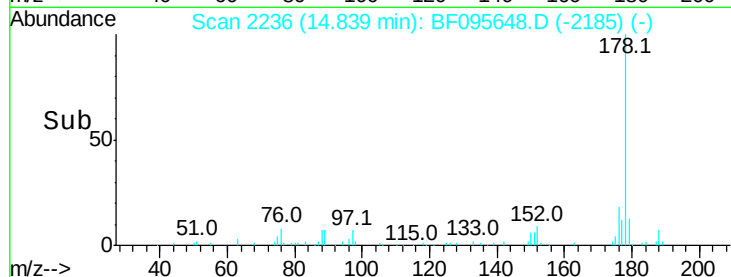
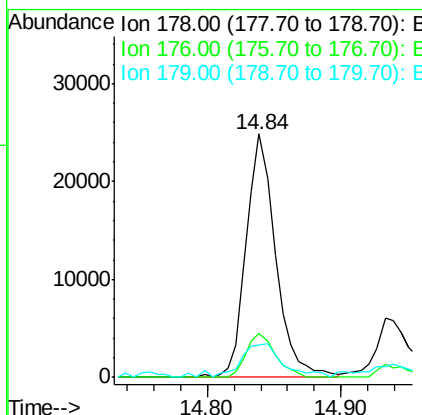
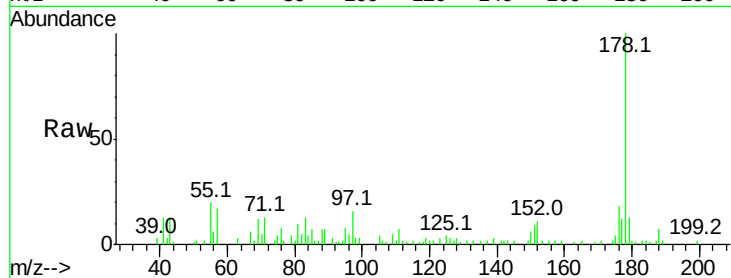




#70
Phenanthrene
Concen: 3.01 ng
RT: 14.84 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

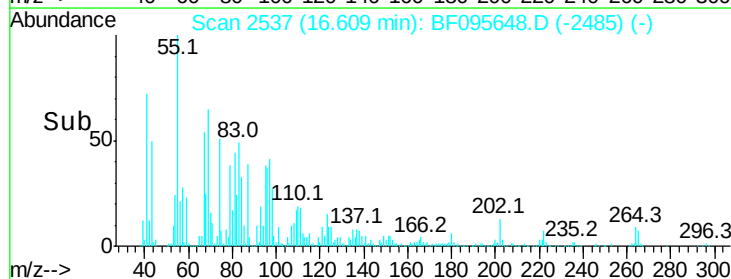
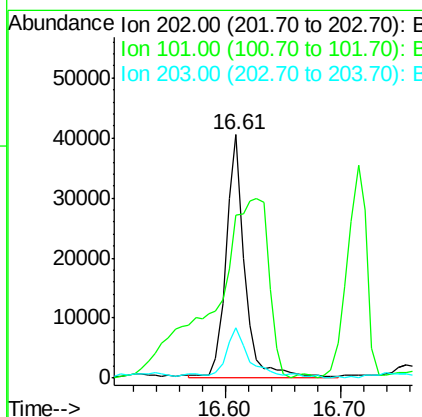
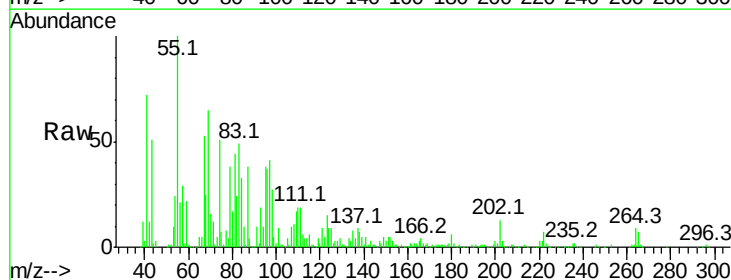
Instrument :
BNA_F
ClientSampleId :

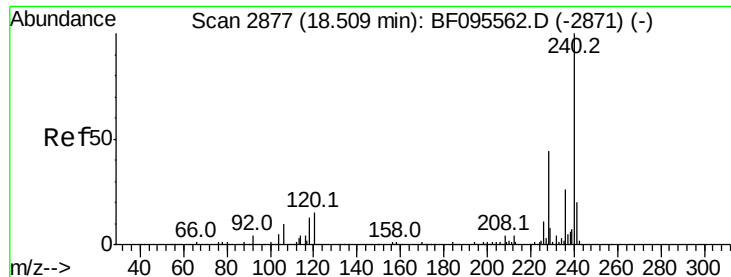
Tot Ion:178 Resp: 37940
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 13.1 12.6 19.0



#74
Fluoranthene
Concen: 3.54 ng
RT: 16.61 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Tgt Ion:202 Resp: 45779
Ion Ratio Lower Upper
202 100
101 67.2 0.0 33.2#
203 20.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.50 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

Instrument :

BNA_F

ClientSampleId :

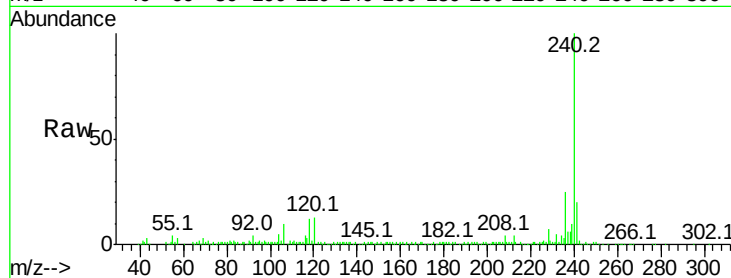
Tot Ion:240 Resp: 173044

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

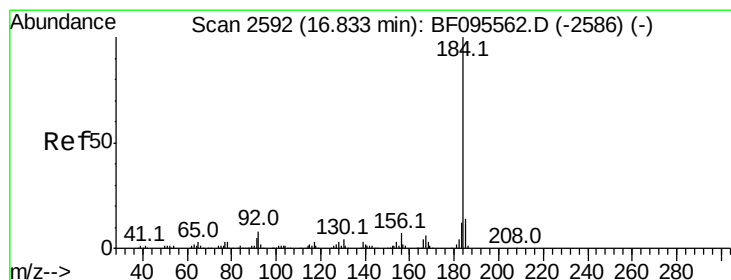
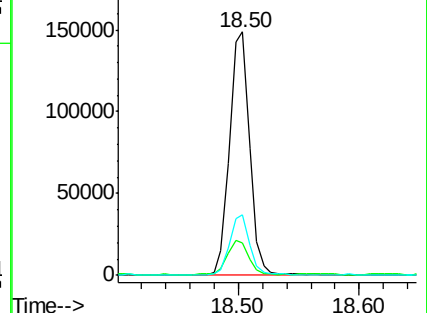
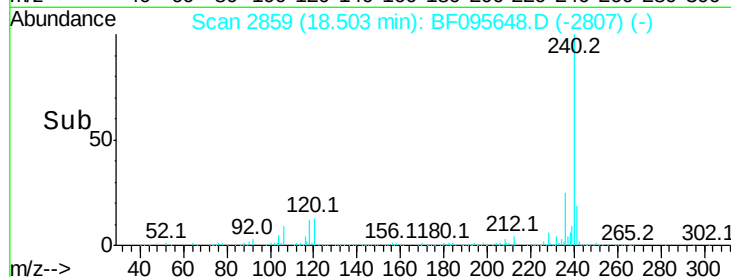
236 24.7 20.5 30.7



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



#76

Benzidine

Concen: 6.63 ng

RT: 16.81 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

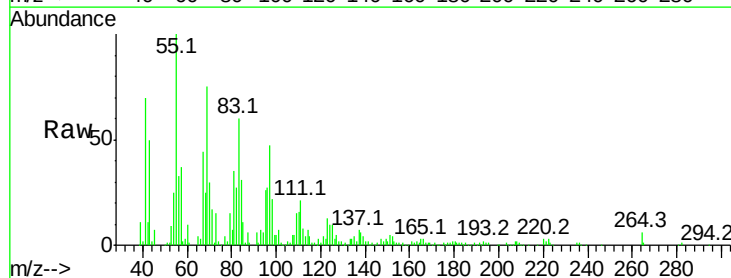
Tgt Ion:184 Resp: 244

Ion Ratio Lower Upper

184 100

185 219.0 15.5 23.3#

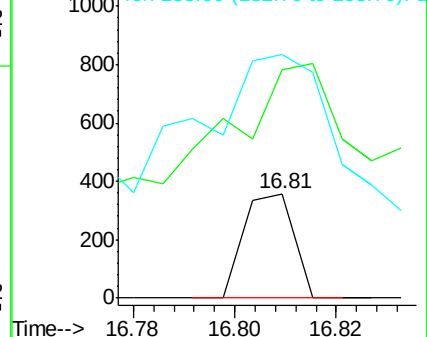
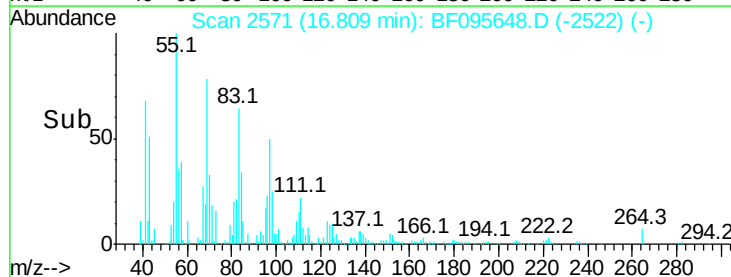
183 233.0 9.8 14.6#

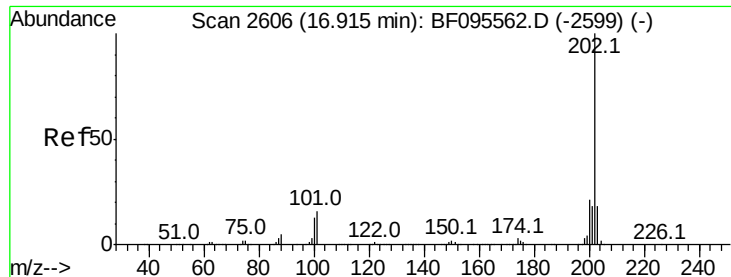


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

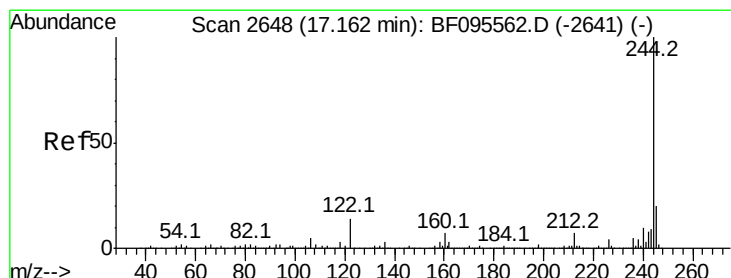
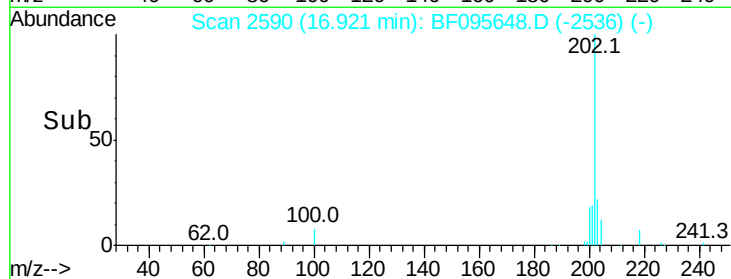
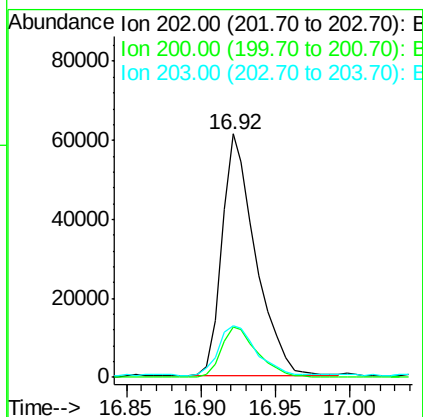
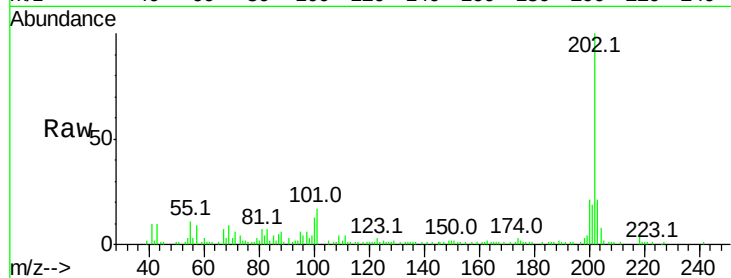




#77
Pvrene
Concen: 7.45 ng
RT: 16.92 min Scan# 2590
Delta R.T. 0.02 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

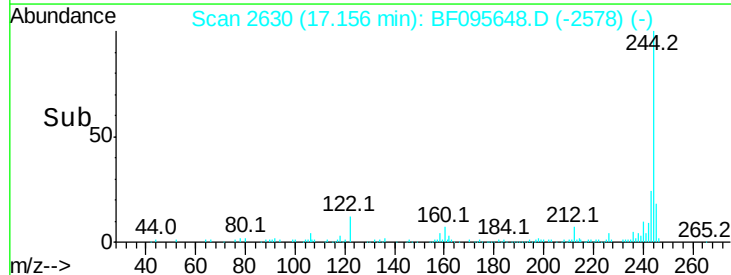
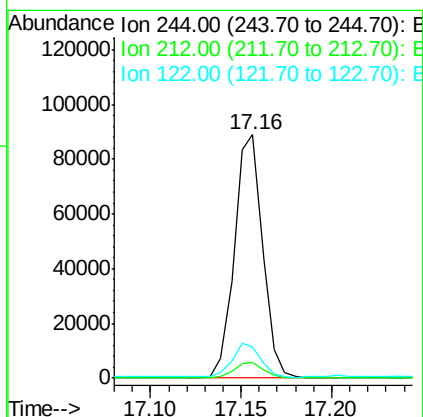
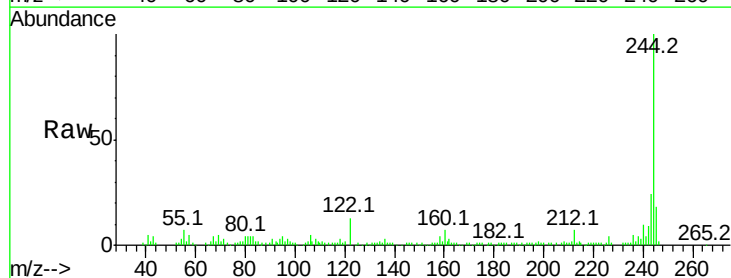
Instrument :
BNA_F
ClientSampleId :

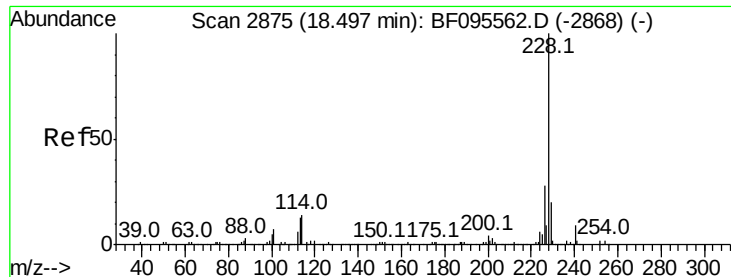
Tot Ion:202 Resp: 96352
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 21.2 14.4 21.6



#78
Terphenyl-d14
Concen: 12.24 ng
RT: 17.16 min Scan# 2630
Delta R.T. 0.01 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Tgt Ion:244 Resp: 96192
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 12.8 10.3 15.5





#80

Benzo(a)anthracene

Concen: 5.15 ng

RT: 18.49 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

Instrument :

BNA_F

ClientSampleId :

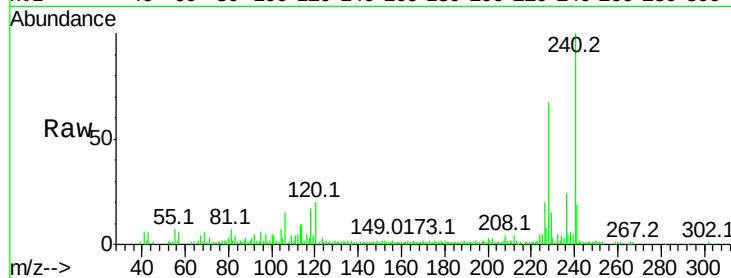
Tot Ion:228 Resp: 51866

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

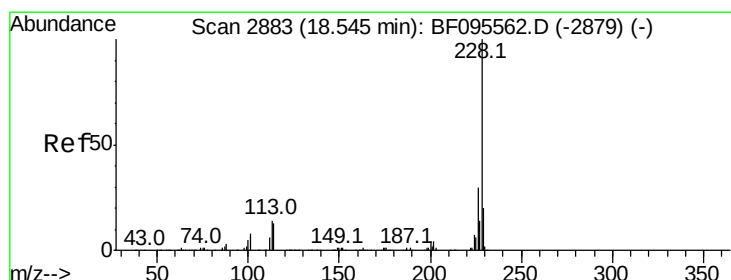
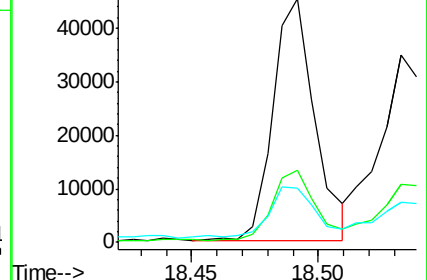
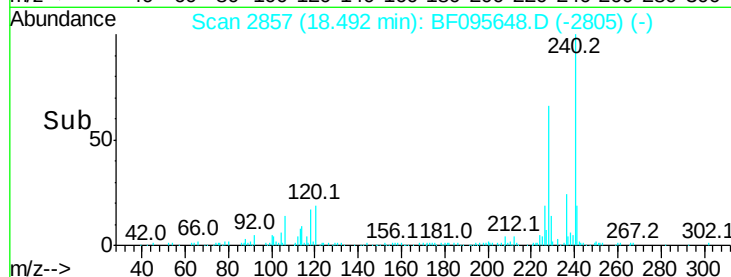
229 22.2 16.3 24.5



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: 5.09 ng

RT: 18.53 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

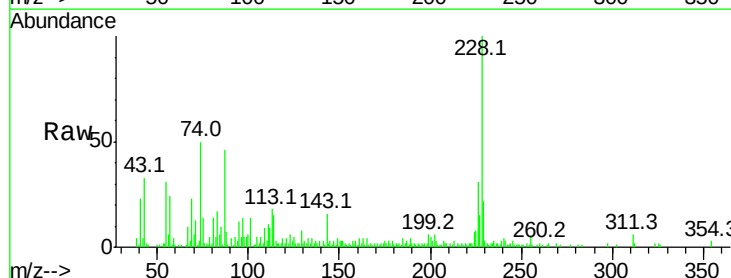
Tgt Ion:228 Resp: 49536

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

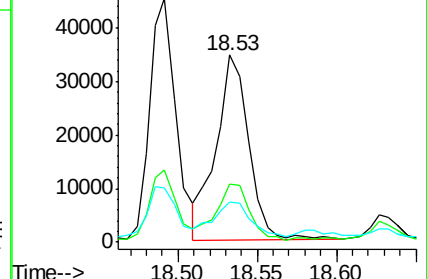
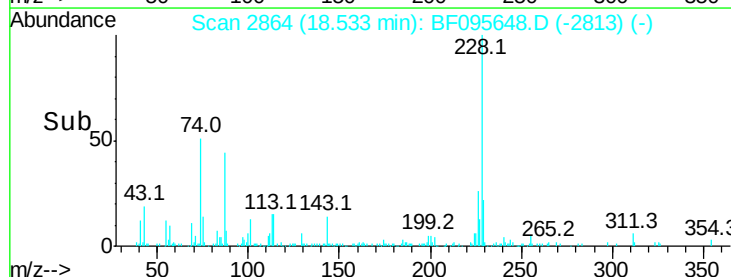
229 21.5 15.8 23.6

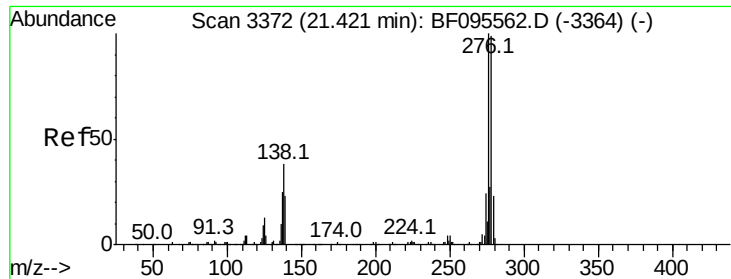


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

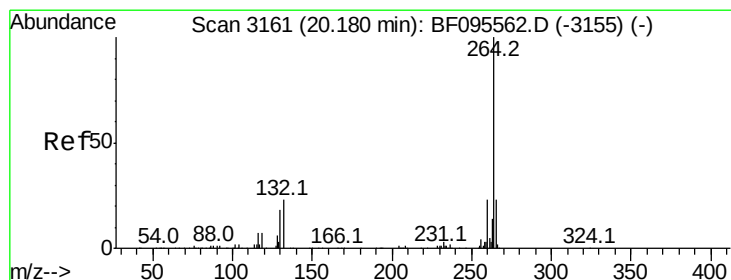
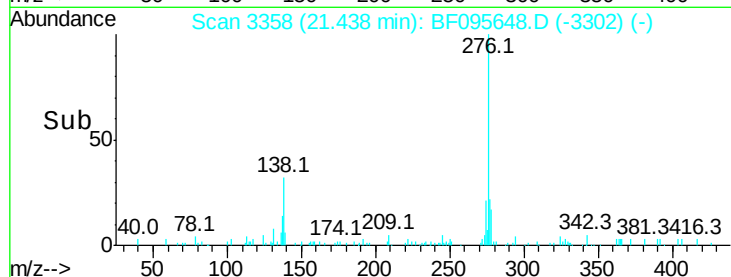
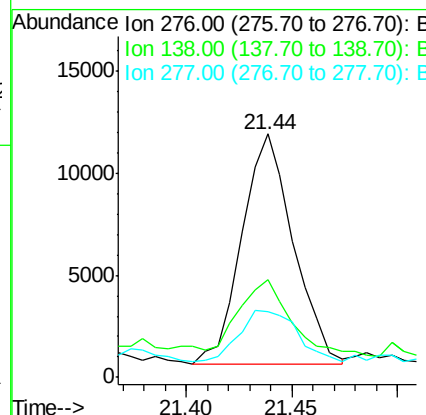
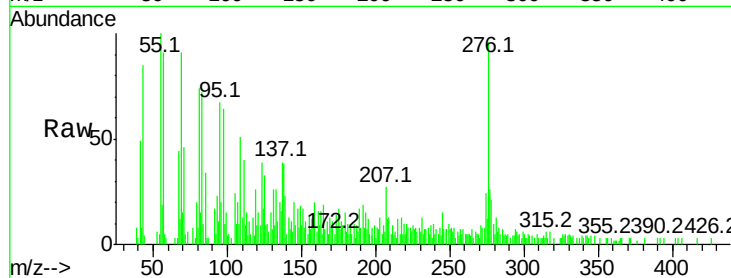




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.42 ng
 RT: 21.44 min Scan# 3358
 Delta R.T. 0.03 min
 Lab File: BF095648.D
 Acq: 2 Jun 2017 22:45

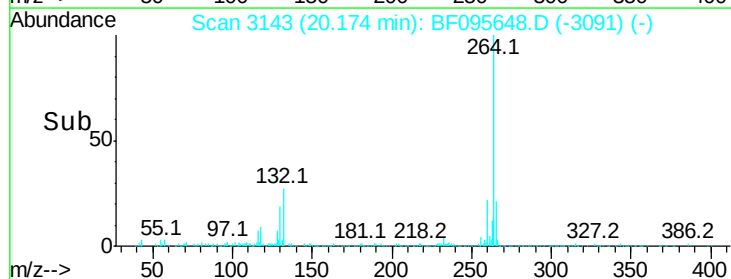
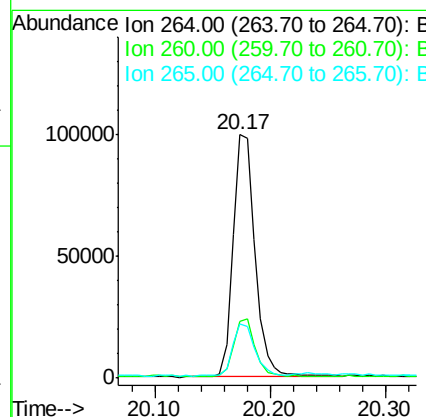
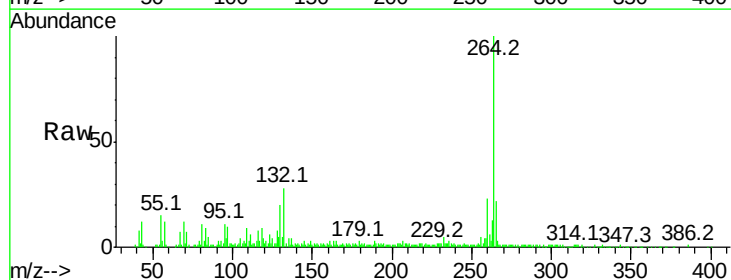
Instrument :
 BNA_F
 ClientSampleId :

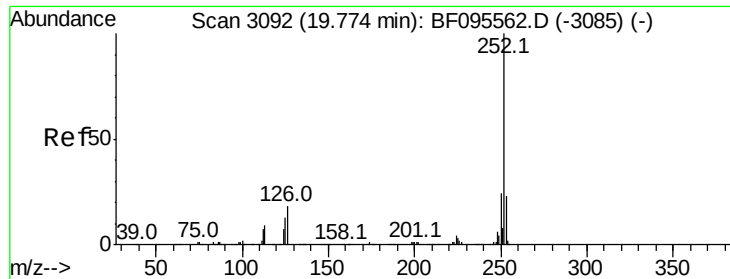
Tot Ion:276 Resp: 19129
 Ion Ratio Lower Upper
 276 100
 138 36.2 27.8 41.6
 277 25.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.17 min Scan# 3143
 Delta R.T. 0.01 min
 Lab File: BF095648.D
 Acq: 2 Jun 2017 22:45

Tgt Ion:264 Resp: 131837
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 22.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 9.54 ng

RT: 19.77 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

Instrument :

BNA_F

ClientSampleId :

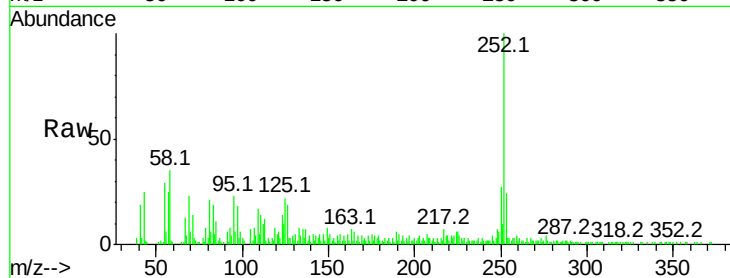
Tot Ion:252 Resp: 77698

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

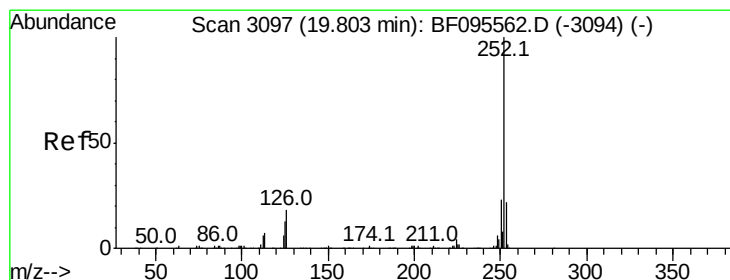
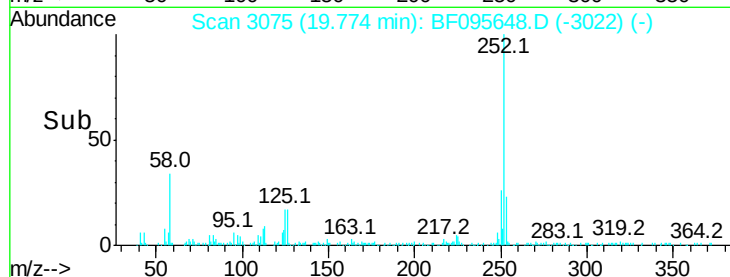
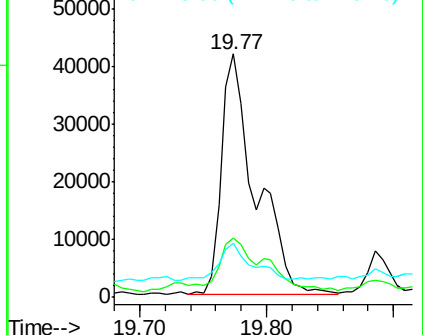
125 22.2 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 9.89 ng

RT: 19.77 min Scan# 3075

Delta R.T. -0.02 min

Lab File: BF095648.D

Acq: 2 Jun 2017 22:45

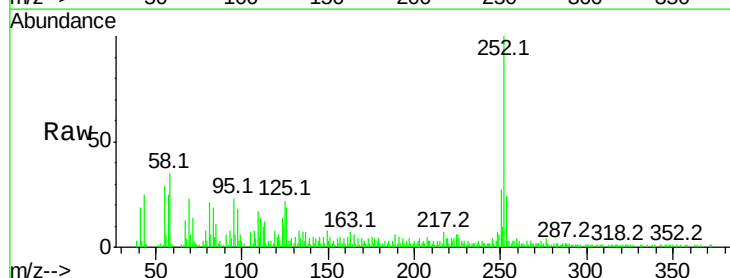
Tgt Ion:252 Resp: 77698

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

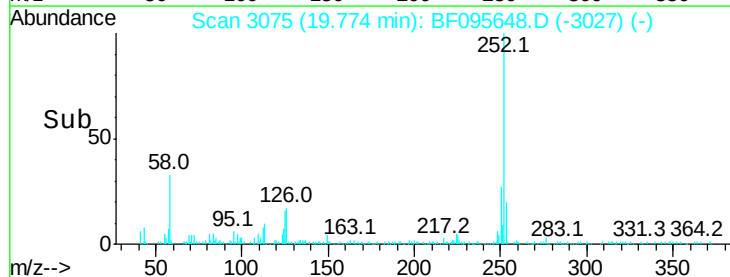
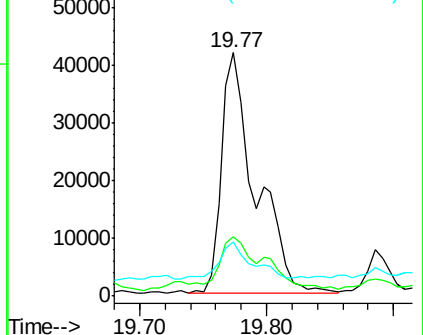
125 22.2 13.1 19.7#

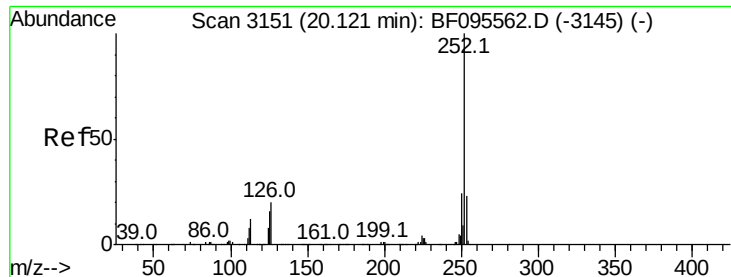


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

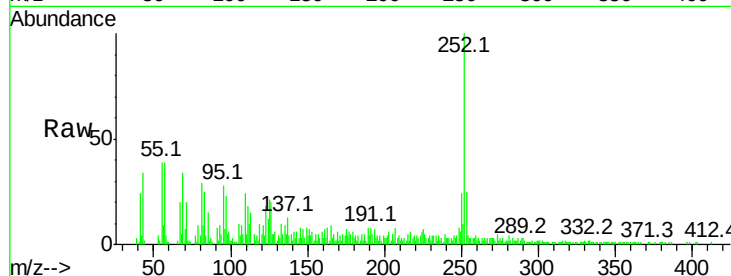




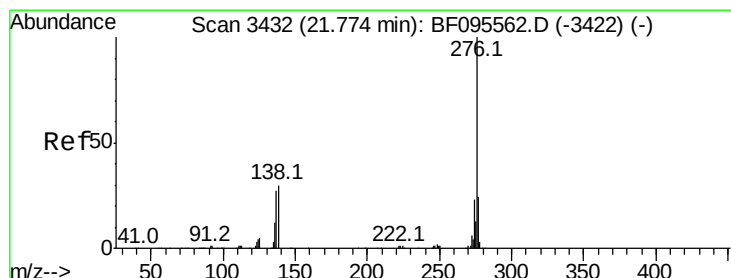
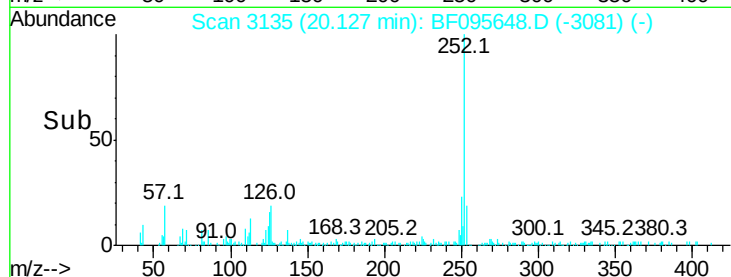
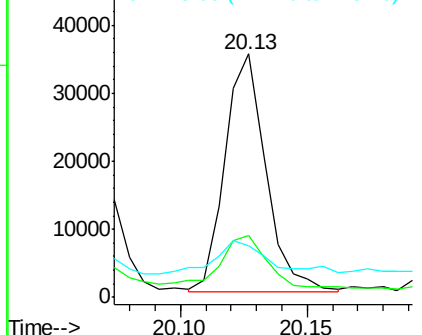
#89
Benzo(a)pyrene
Concen: 5.22 ng
RT: 20.13 min Scan# 3135
Delta R.T. 0.02 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	21.1	11.0	16.4

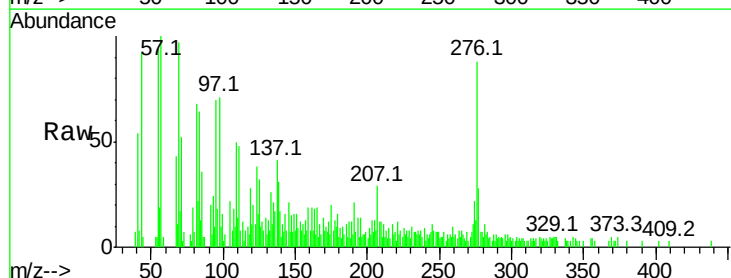


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.21 ng
RT: 21.80 min Scan# 3420
Delta R.T. 0.05 min
Lab File: BF095648.D
Acq: 2 Jun 2017 22:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.5	18.6	28.0
138	35.2	25.4	38.0



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

