

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094657.D
 Acq On : 26 Apr 2017 19:56
 Operator : SJ/MA
 Sample : I2813-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-W9-SSW

Quant Time: Apr 27 05:44:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

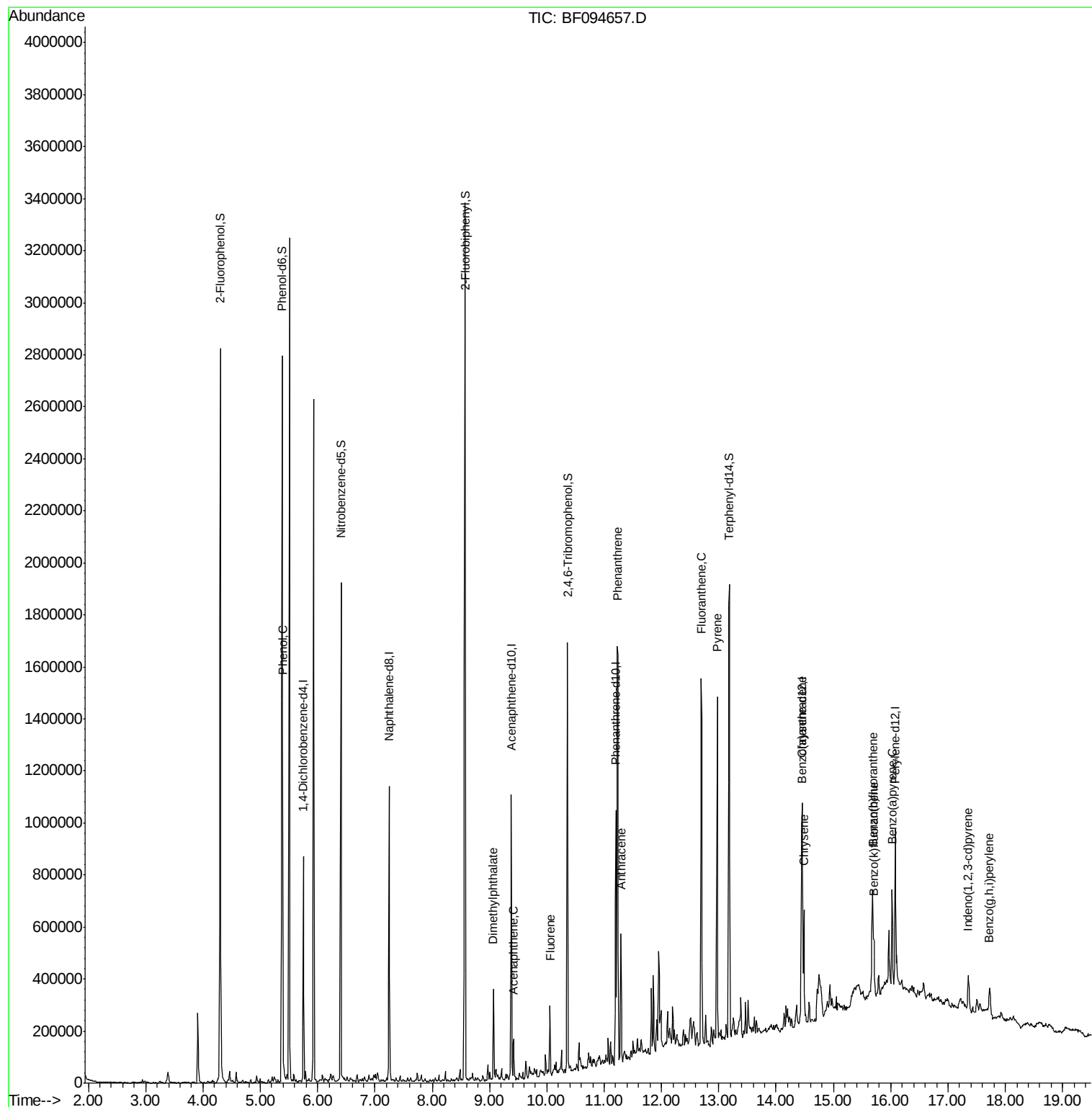
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	134837	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	557308	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	232600	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	398076	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	270467	20.00	ng	-0.01
86) Perylene-d12	16.08	264	250721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	916049	112.71	ng	0.00
7) Phenol-d6	5.38	99	1154127	120.46	ng	0.00
23) Nitrobenzene-d5	6.41	82	701481	77.72	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	205998	113.23	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1174477	74.29	ng	-0.01
78) Terphenyl-d14	13.18	244	644270	63.67	ng	-0.01
Target Compounds						Qvalue
10) Phenol	5.40	94	65653	5.58	ng	87
49) Dimethylphthalate	9.07	163	161459	9.31	ng	98
51) Acenaphthene	9.42	154	30433	2.16	ng	99
57) Fluorene	10.05	166	51933	3.25	ng	97
70) Phenanthrene	11.24	178	723545	32.28	ng	98
71) Anthracene	11.29	178	210458	9.08	ng	96
74) Fluoranthene	12.69	202	656473	28.26	ng	99
77) Pyrene	12.97	202	601547	31.83	ng	98
80) Benzo(a)anthracene	14.44	228	202830	12.90	ng	99
82) Chrysene	14.48	228	179078	12.46	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	82138	6.01	ng	95
87) Benzo(b)fluoranthene	15.68	252	178134m	11.61	ng	
88) Benzo(k)fluoranthene	15.71	252	71423m	4.92	ng	
89) Benzo(a)pyrene	16.02	252	160106	11.22	ng	97
91) Benzo(a,h,i)perylene	17.73	276	76050	6.30	ng	95

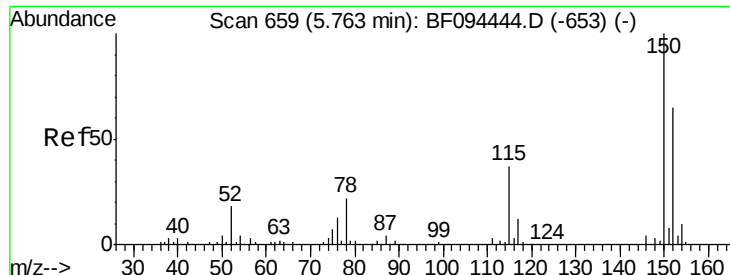
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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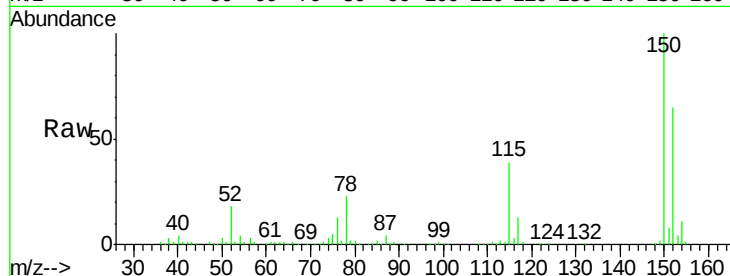


#1

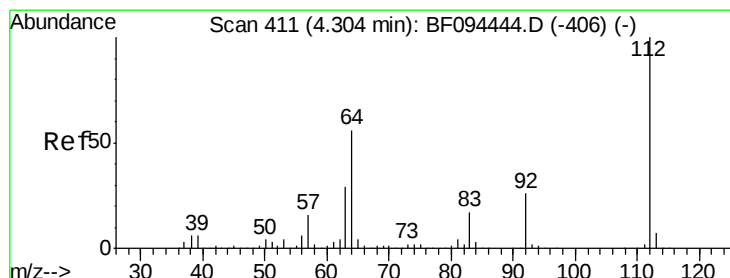
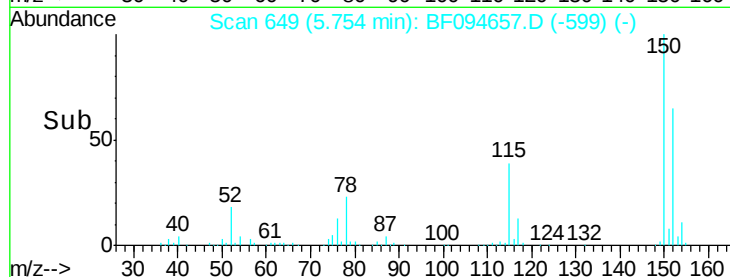
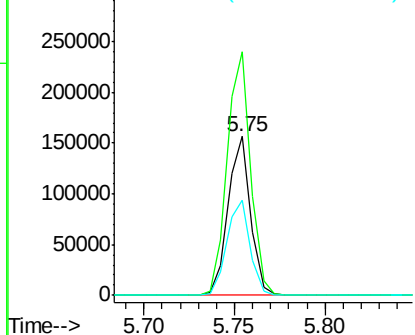
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampleId :
E2-W9-SSW

Tot Ion:152 Resp: 134837
Ion Ratio Lower Upper
152 100
150 153.5 126.2 189.2
115 60.2 52.2 78.2



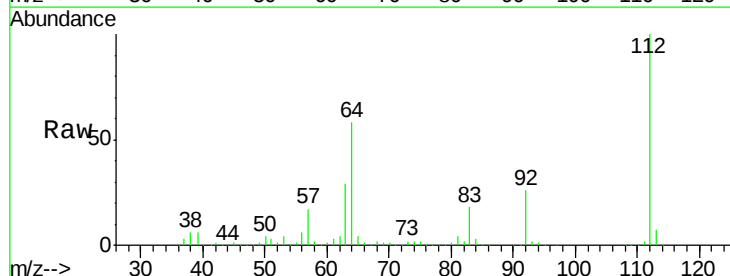
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



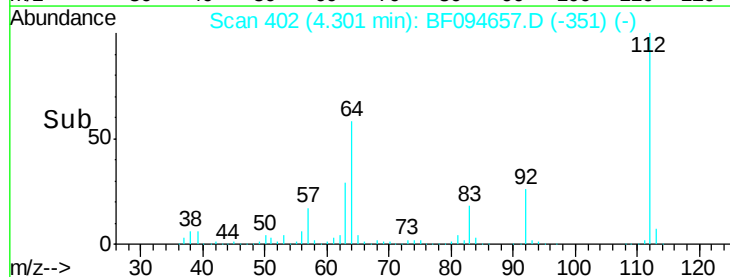
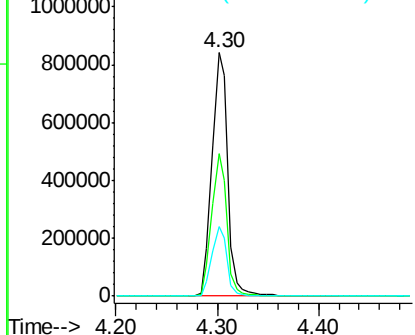
#5

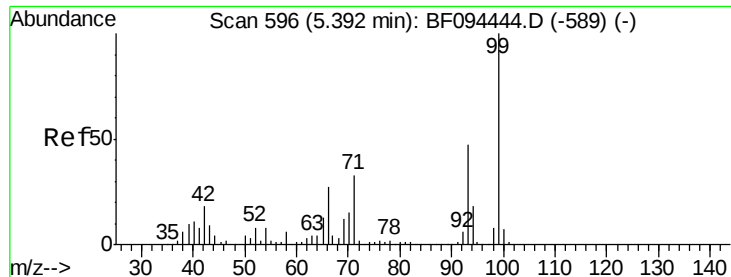
2-Fluorophenol
Concen: 112.71 ng
RT: 4.30 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:112 Resp: 916049
Ion Ratio Lower Upper
112 100
64 58.3 46.0 69.0
63 28.6 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: 120.46 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

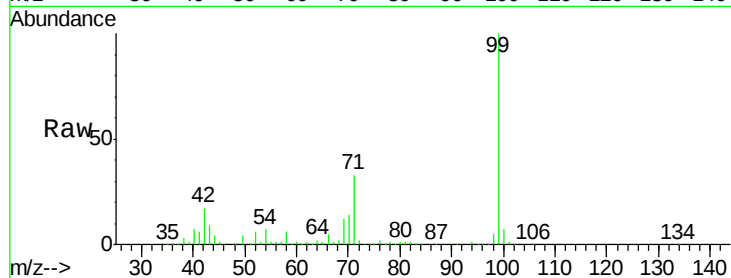
Tot Ion: 99 Resp: 1154127

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

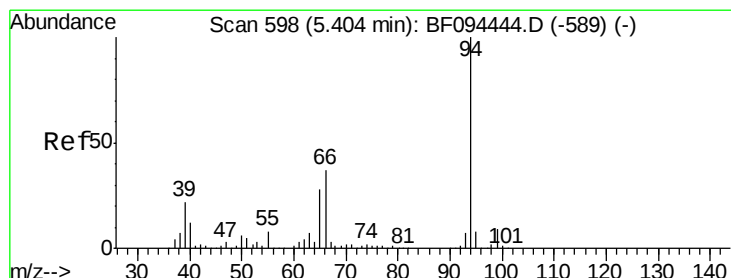
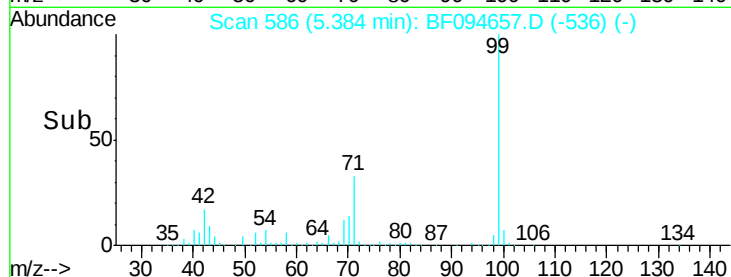
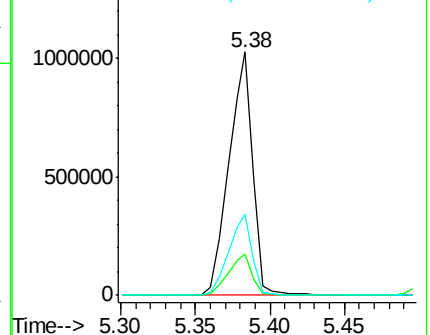
71 33.4 24.5 36.7



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: 5.58 ng

RT: 5.40 min Scan# 588

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

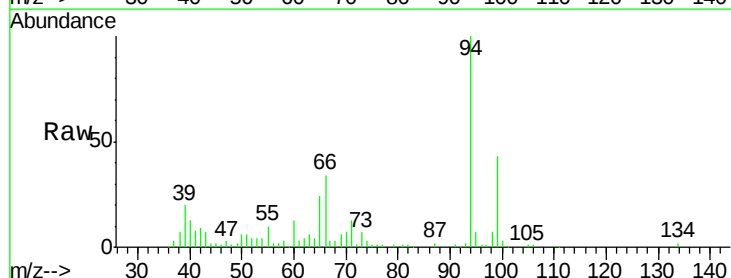
Tgt Ion: 94 Resp: 65653

Ion Ratio Lower Upper

94 100

65 23.6 9.9 49.9

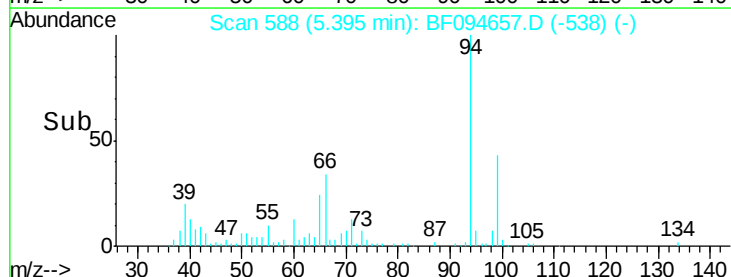
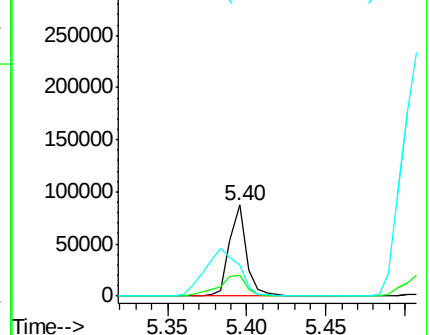
66 34.4 23.1 63.1

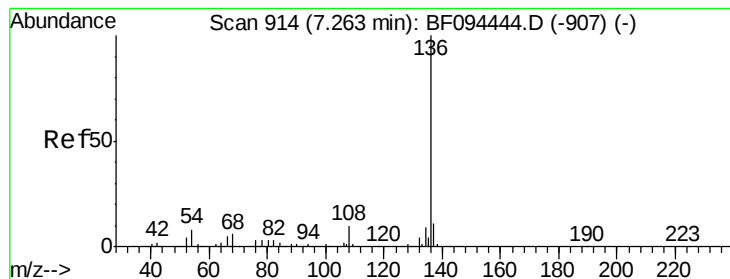


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

Tot Ion:136 Resp: 557308

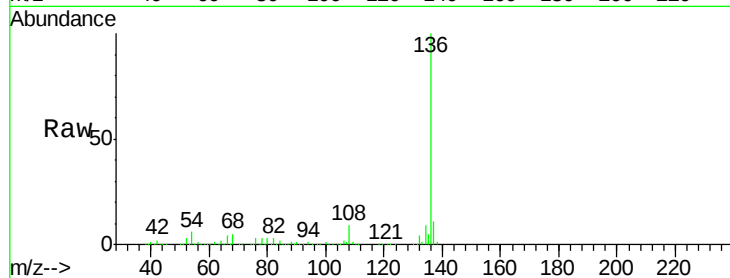
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.5 4.9 7.3

68 5.5 4.1 6.1

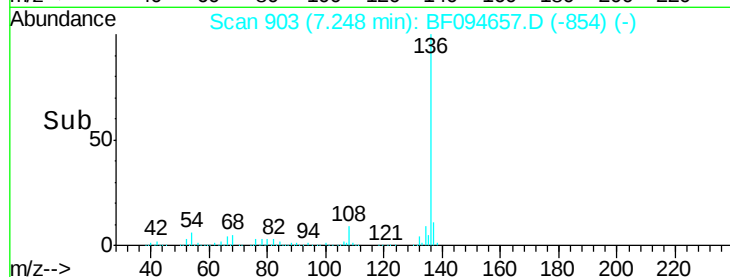


Abundance Ion 136.00 (135.70 to 136.70): E

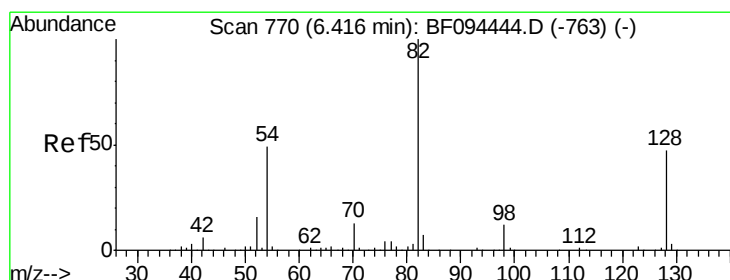
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.15 7.20 7.25 7.30 7.35



#23

Nitrobenzene-d5

Concen: 77.72 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

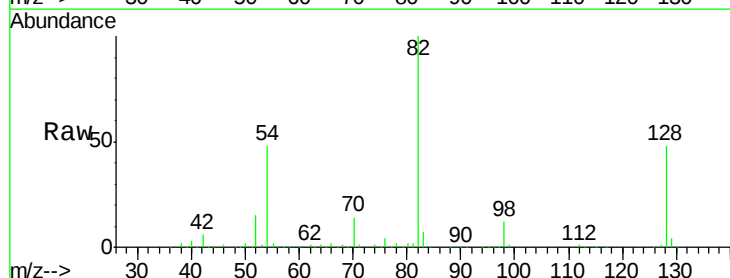
Tgt Ion: 82 Resp: 701481

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

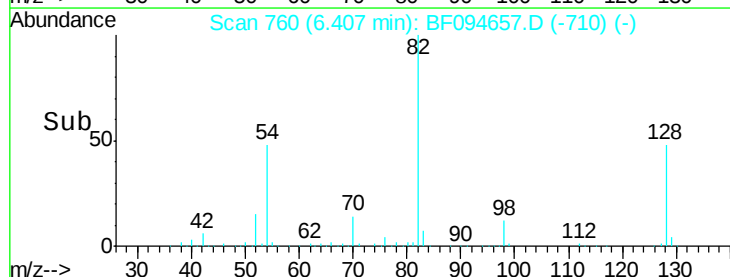
54 47.7 42.2 63.2



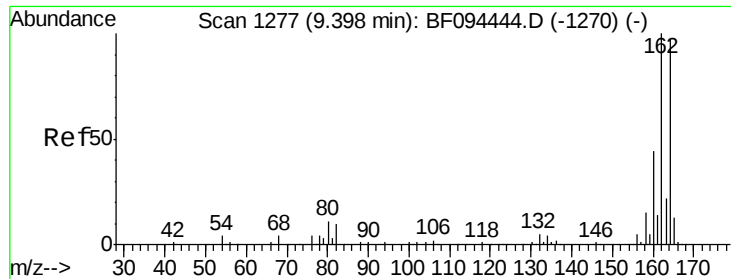
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



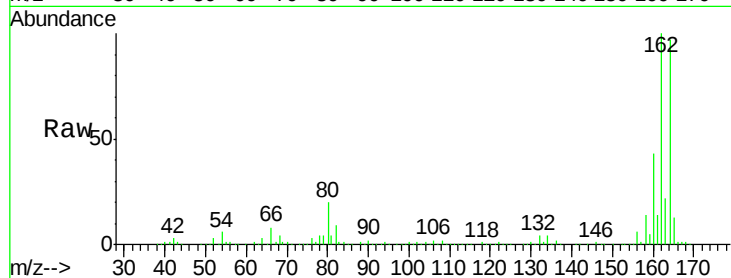
Time--> 6.30 6.35 6.40 6.45 6.50



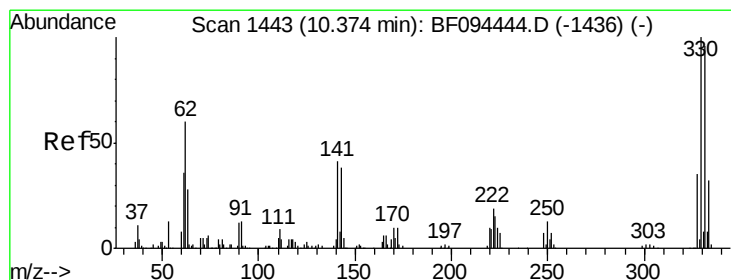
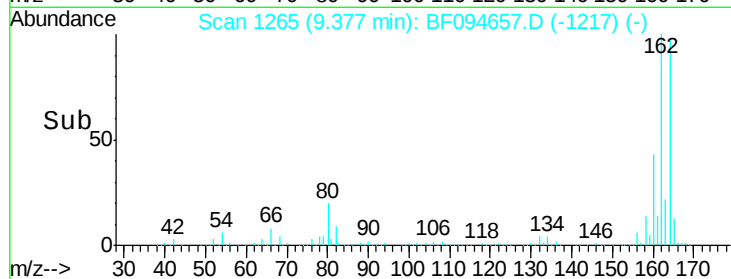
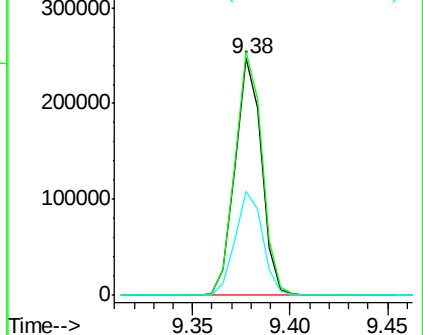
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampleId :
E2-W9-SSW

Tot Ion:164 Resp: 232600
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 44.1 36.2 54.2

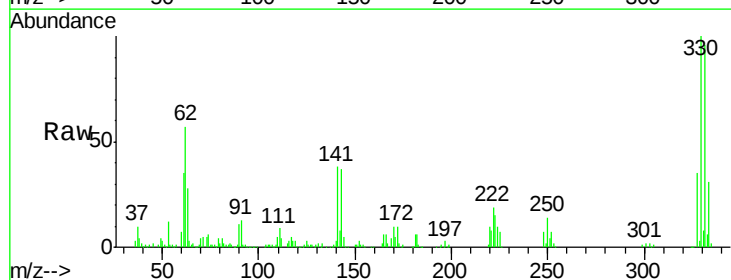


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

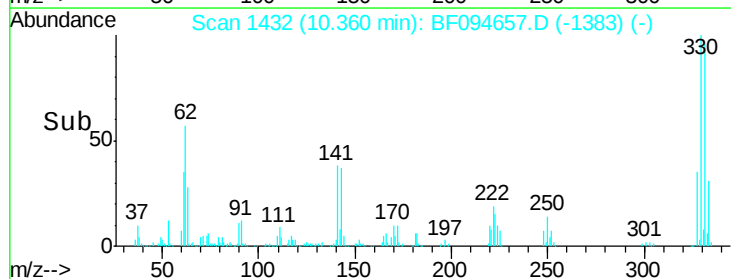
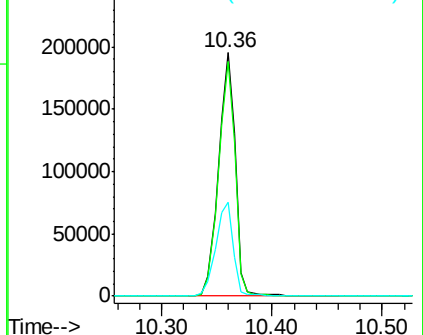


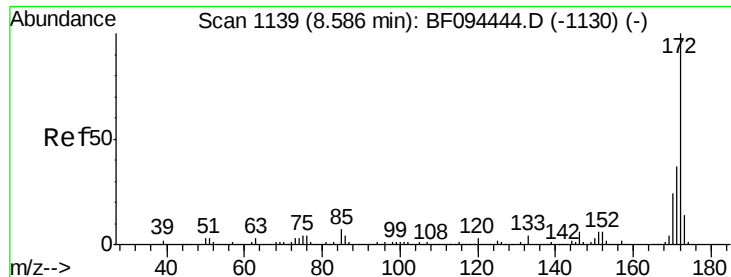
#41
2,4,6-Tribromophenol
Concen: 113.23 ng
RT: 10.36 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:330 Resp: 205998
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 39.6 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

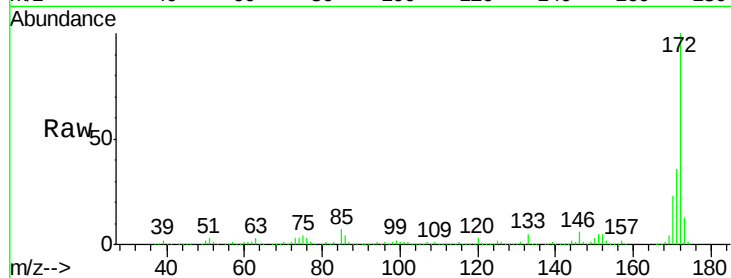




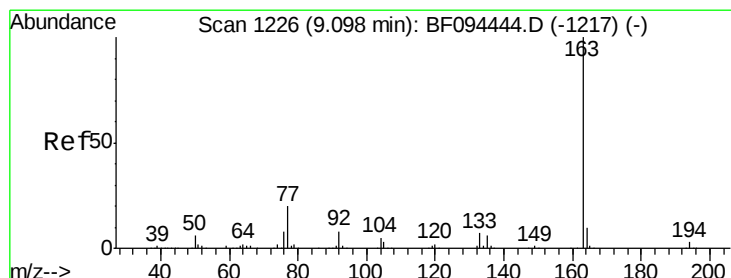
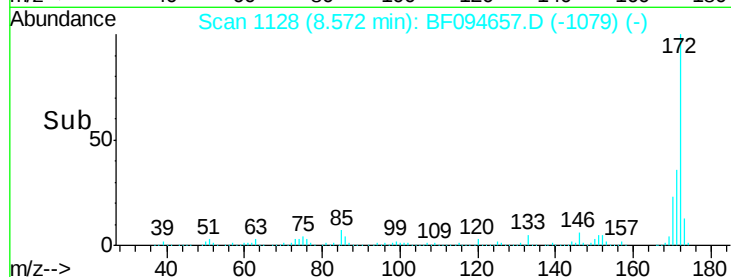
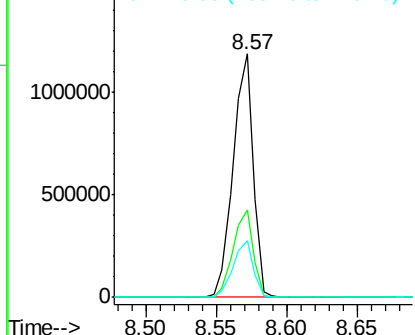
#44
2-Fluorobiphenyl
Concen: 74.29 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampleId :
E2-W9-SSW

Tot Ion:172 Resp: 1174477
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.2 19.8 29.8

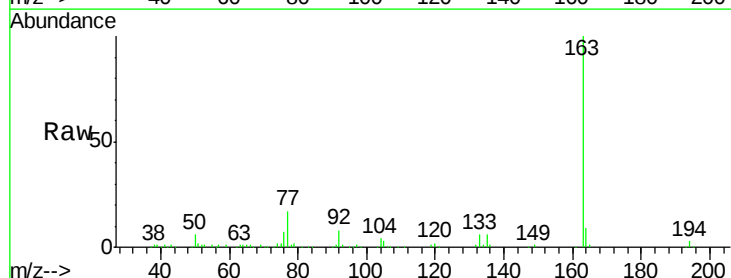


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

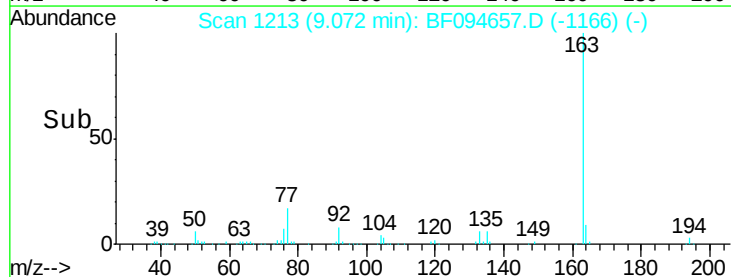
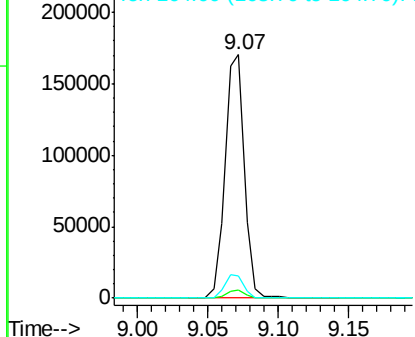


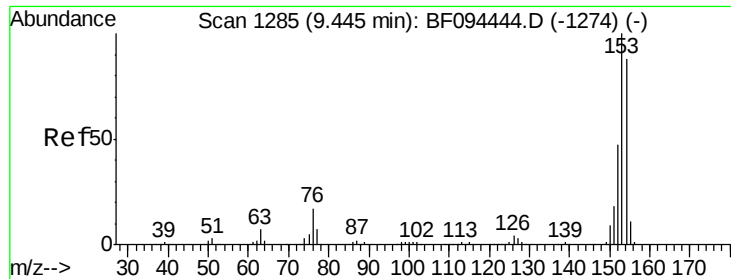
#49
Dimethylphthalate
Concen: 9.31 ng
RT: 9.07 min Scan# 1213
Delta R.T. -0.03 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:163 Resp: 161459
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.4 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





#51

Acenaphthene

Concen: 2.16 ng

RT: 9.42 min Scan# 1272

Delta R.T. -0.03 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

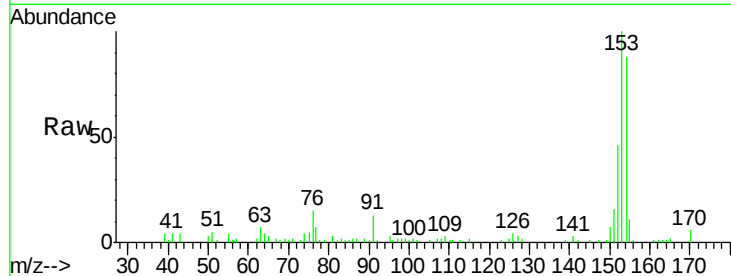
Tot Ion:154 Resp: 30433

Ion Ratio Lower Upper

154 100

153 113.0 90.5 135.7

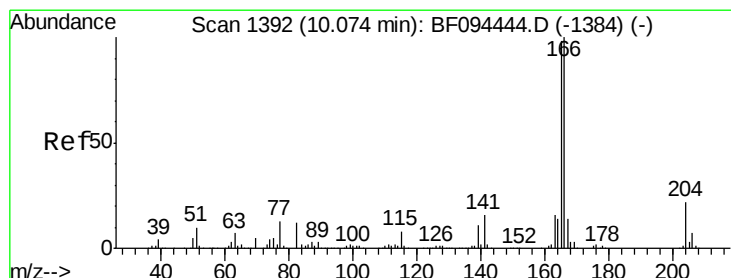
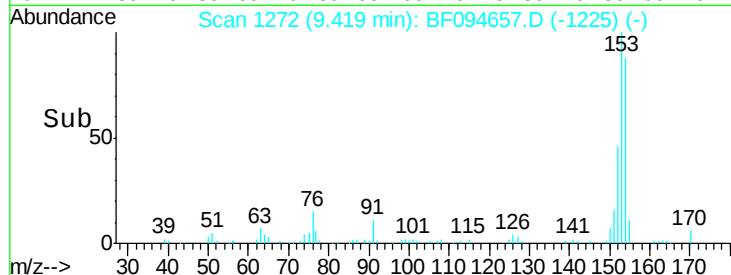
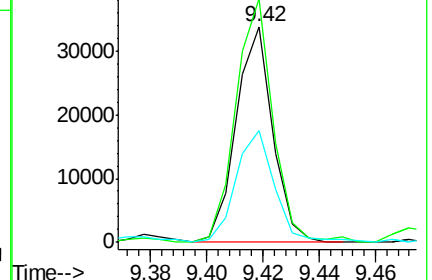
152 52.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.25 ng

RT: 10.05 min Scan# 1380

Delta R.T. -0.02 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

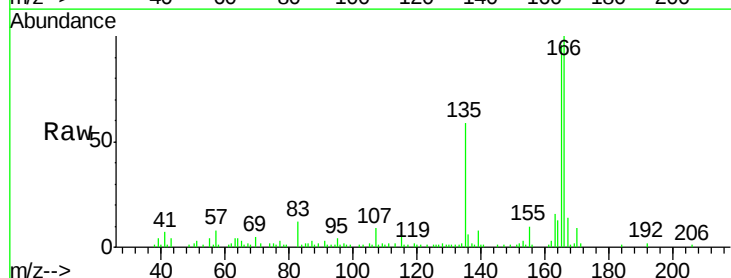
Tgt Ion:166 Resp: 51933

Ion Ratio Lower Upper

166 100

165 95.5 78.8 118.2

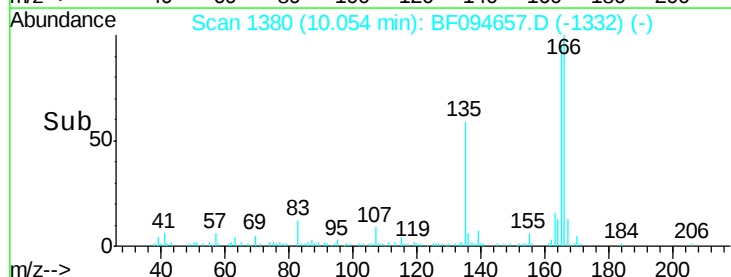
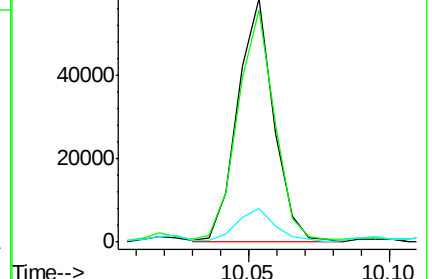
167 13.8 10.6 16.0

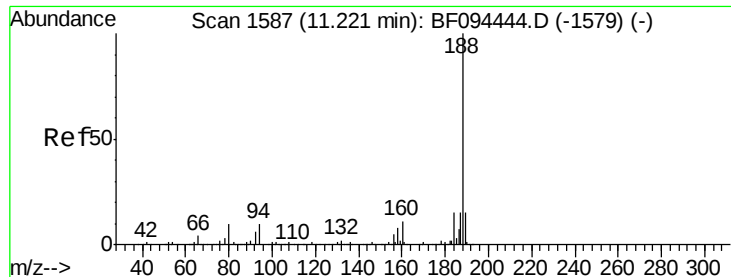


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

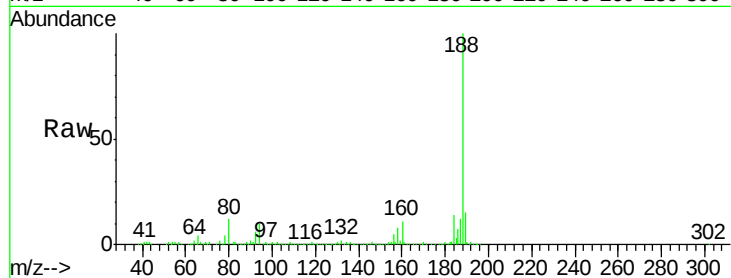




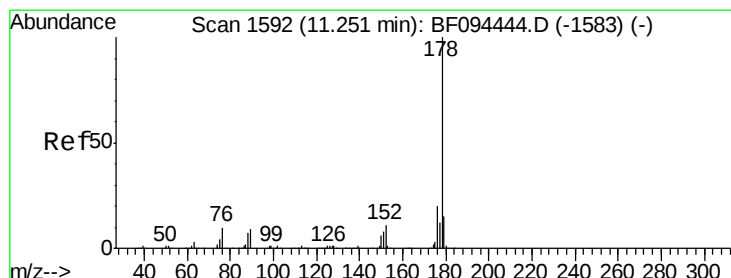
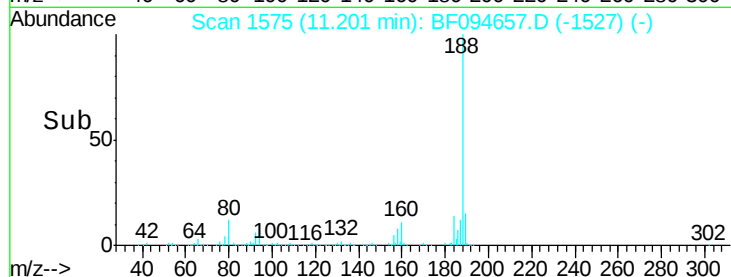
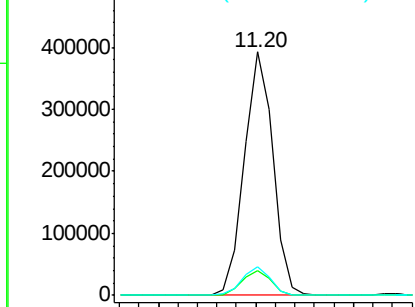
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampleId :
E2-W9-SSW

Tot Ion:188 Resp: 398076
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.7 10.2 15.2

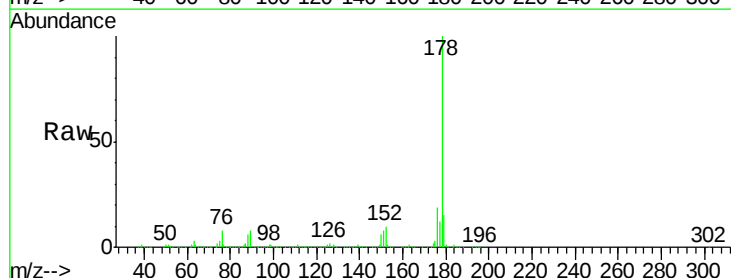


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

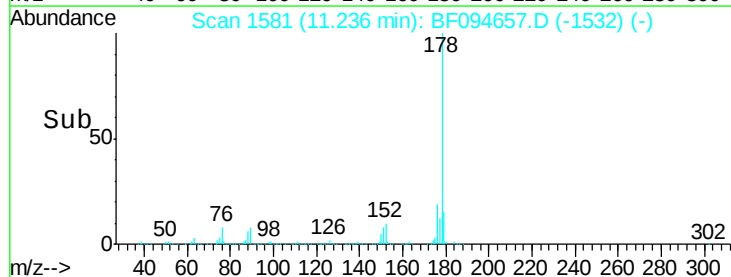
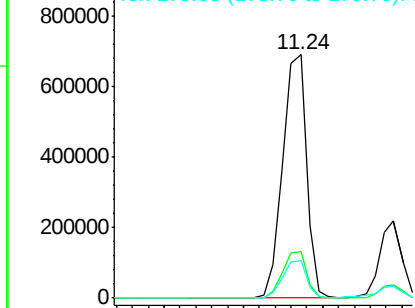


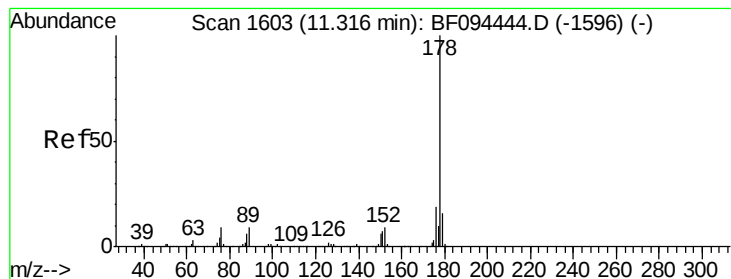
#70
Phenanthrene
Concen: 32.28 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:178 Resp: 723545
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.5 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





#71

Anthracene

Concen: 9.08 ng

RT: 11.29 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

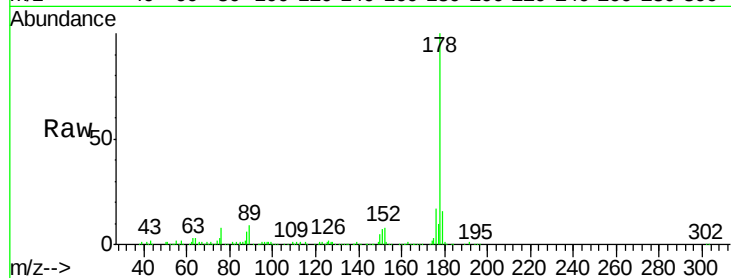
Tot Ion:178 Resp: 210458

Ion Ratio Lower Upper

178 100

176 17.1 15.8 23.8

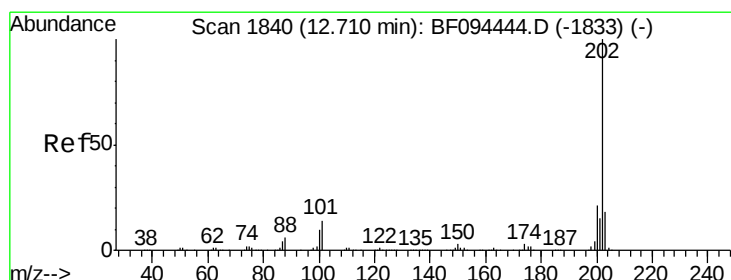
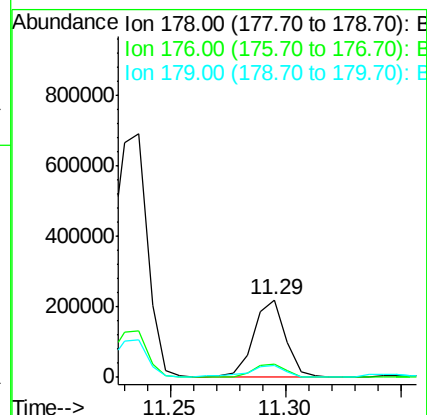
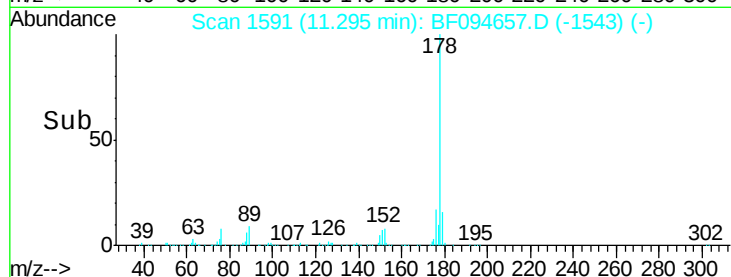
179 15.6 12.7 19.1



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: 28.26 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

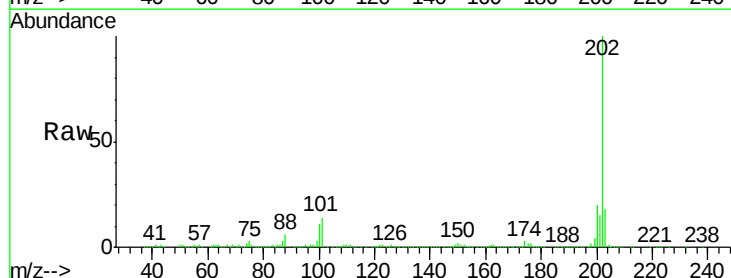
Tgt Ion:202 Resp: 656473

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

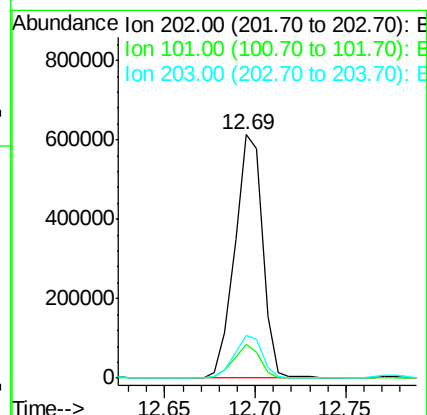
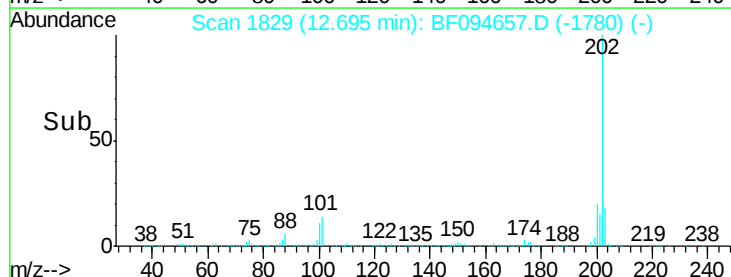
203 17.6 0.0 38.1

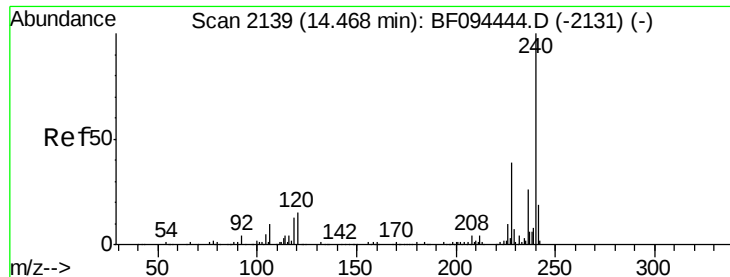


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

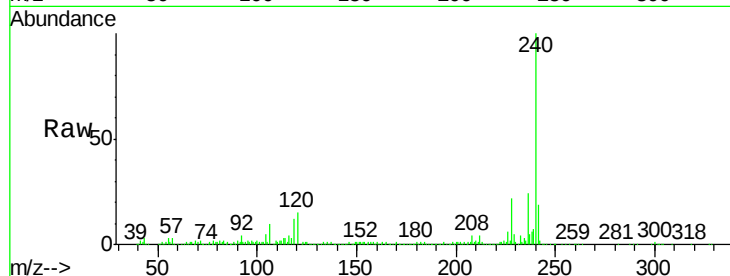
Tot Ion:240 Resp: 270467

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

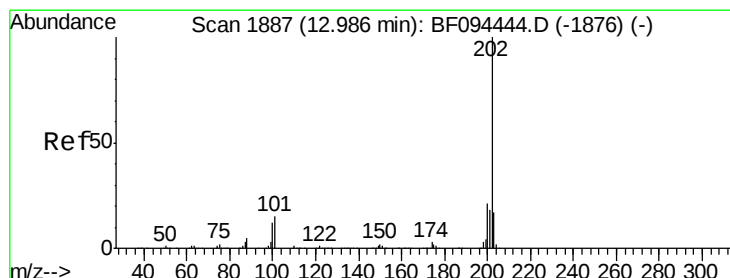
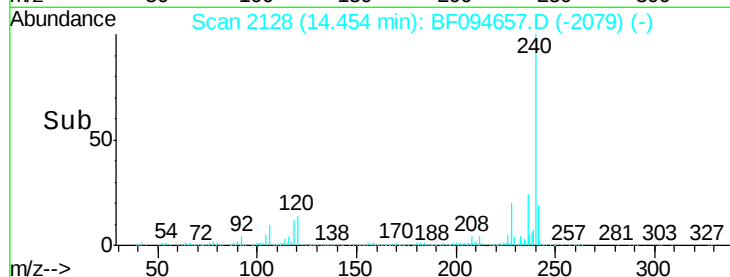
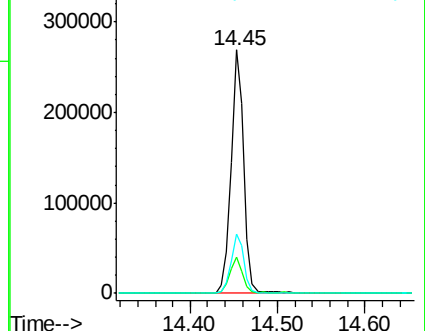
236 24.4 20.5 30.7



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: 31.83 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

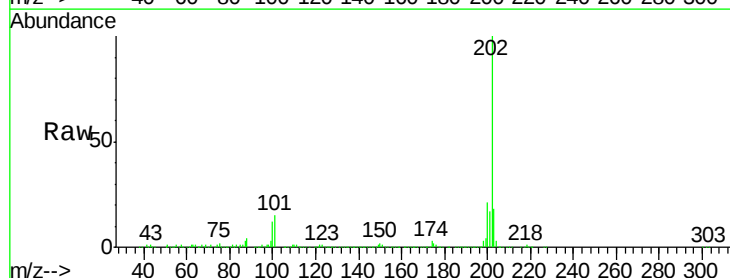
Tgt Ion:202 Resp: 601547

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

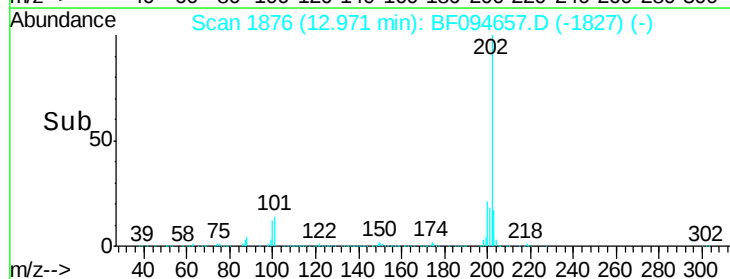
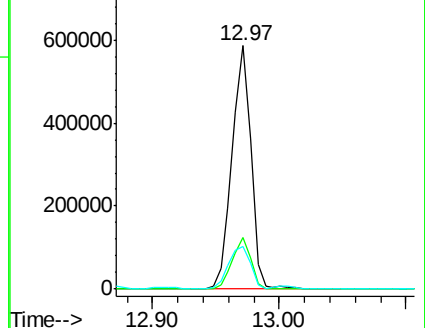
203 17.6 14.4 21.6

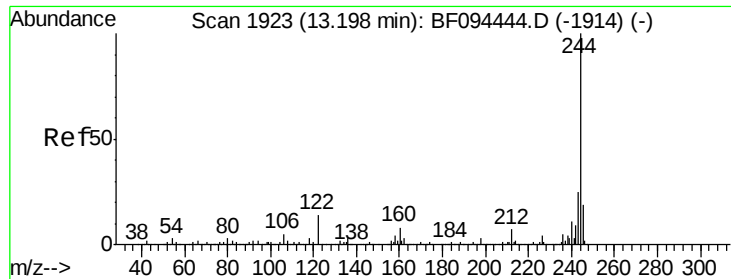


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

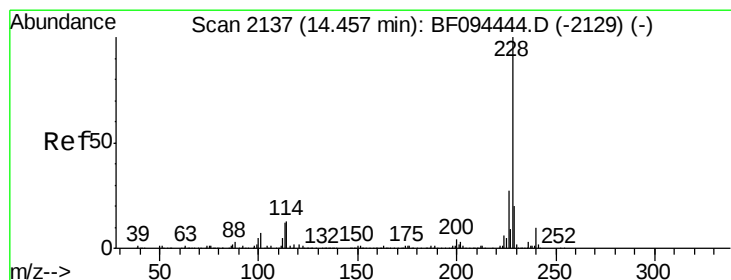
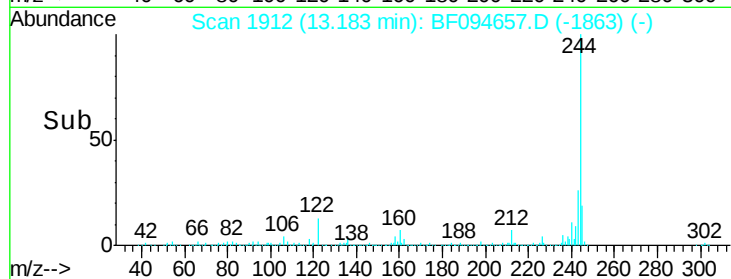
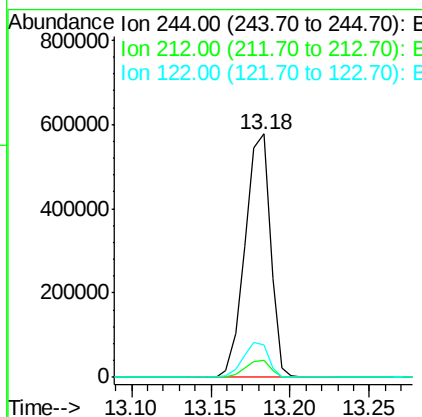
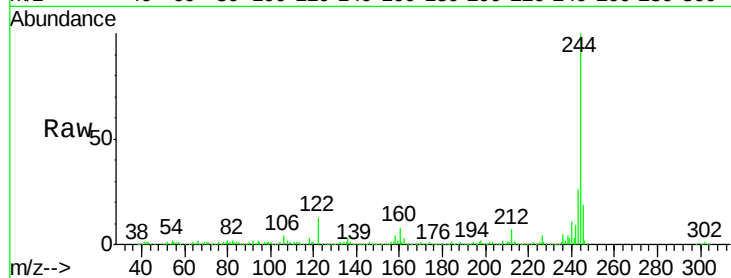




#78
 Terphenyl-d14
 Concen: 63.67 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

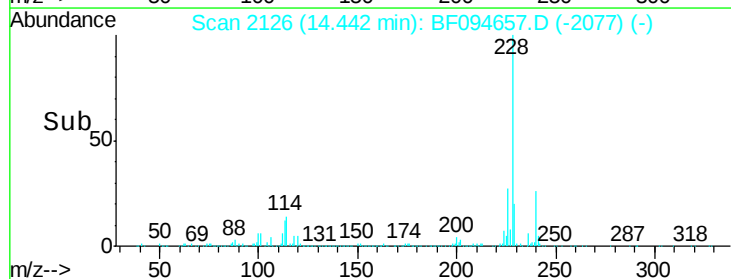
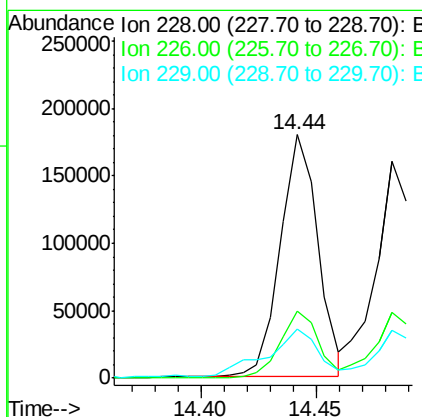
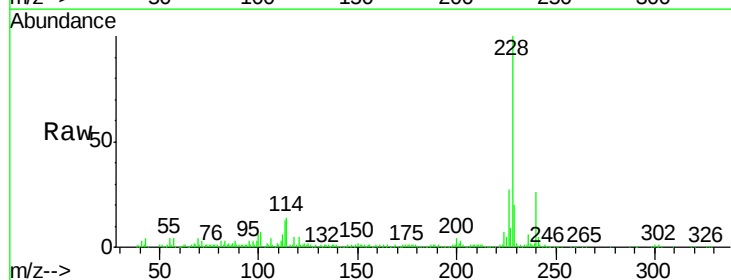
Instrument :
 BNA_F
 ClientSampleId :
 E2-W9-SSW

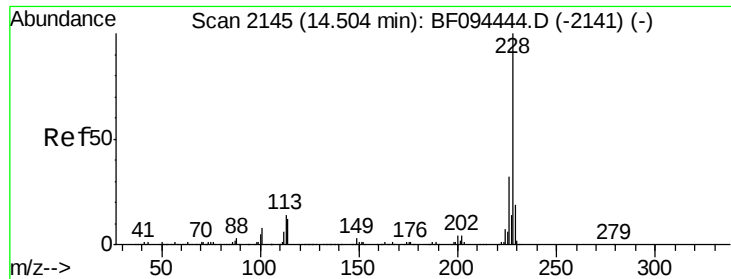
Tot Ion:244 Resp: 644270
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 12.90 ng
 RT: 14.44 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

Tgt Ion:228 Resp: 202830
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.6 33.8
 229 20.1 16.3 24.5

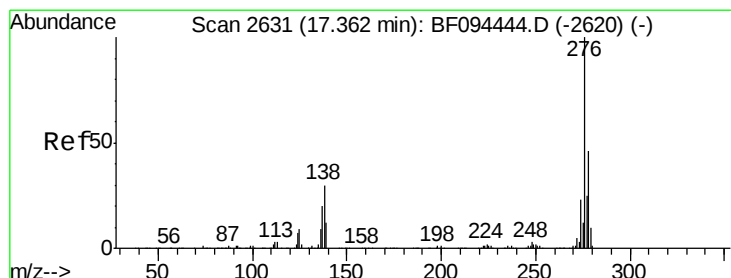
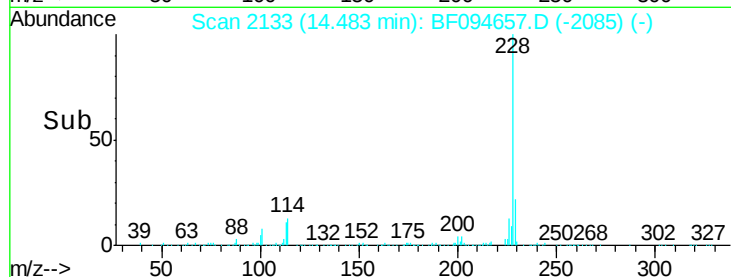
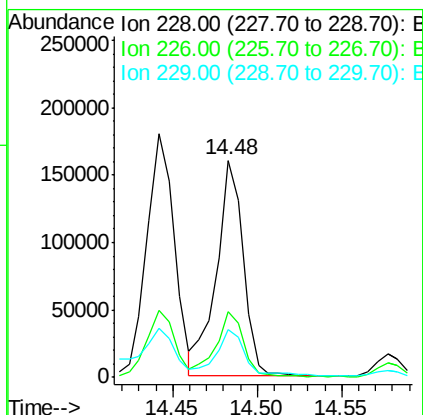
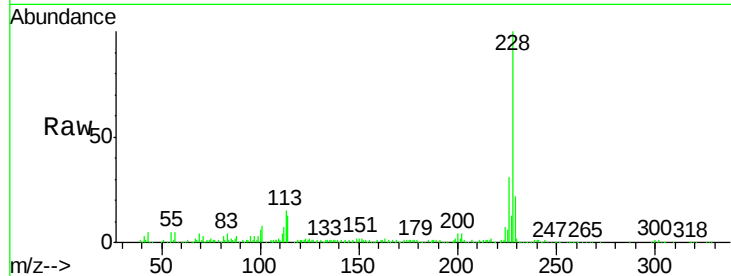




#82
Chrysene
Concen: 12.46 ng
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

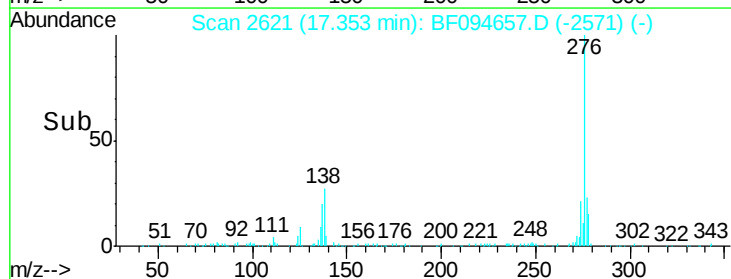
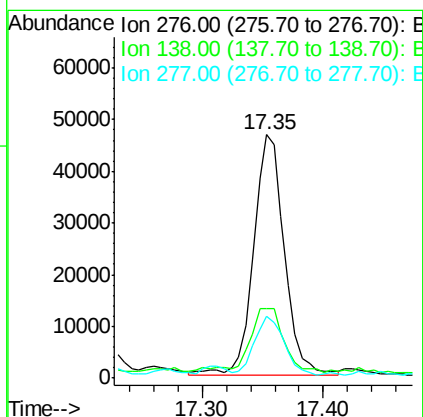
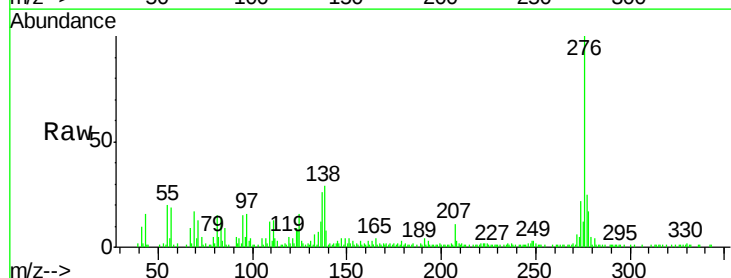
Instrument :
BNA_F
ClientSampleId :
E2-W9-SSW

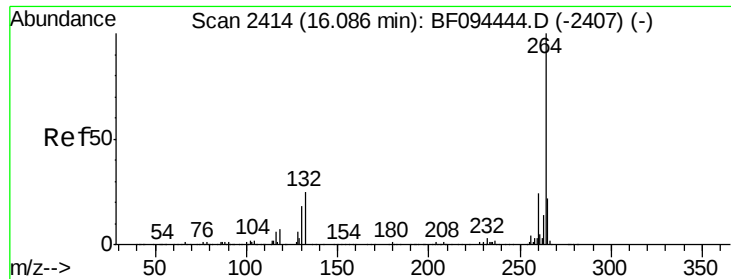
Tot Ion:228 Resp: 179078
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 21.8 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.01 ng
RT: 17.35 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:276 Resp: 82138
Ion Ratio Lower Upper
276 100
138 31.5 27.8 41.6
277 23.2 20.2 30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

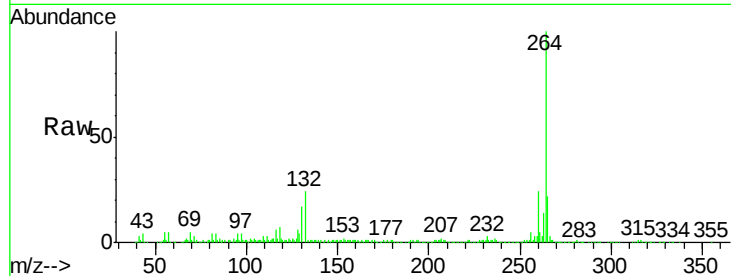
Tot Ion:264 Resp: 250721

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

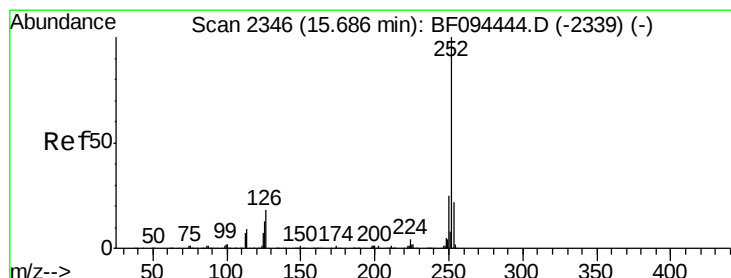
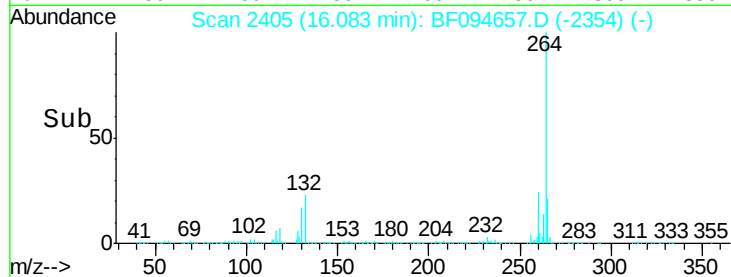
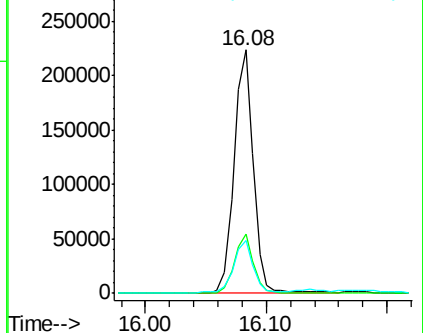
265 21.6 17.2 25.8



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: 11.61 ng m

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

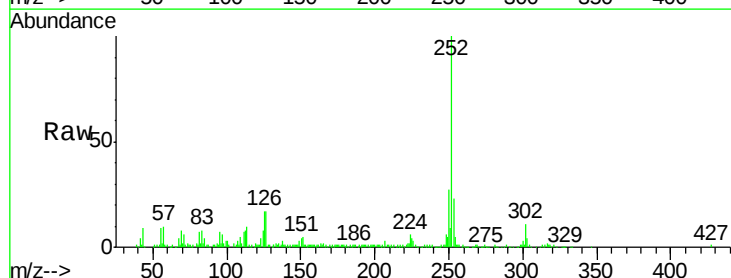
Tgt Ion:252 Resp: 178134

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

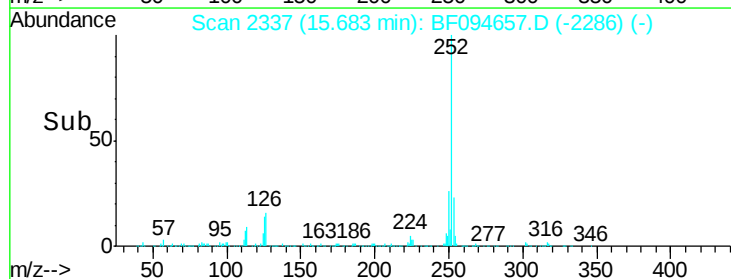
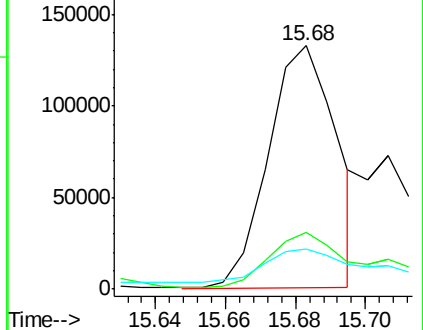
125 16.6 9.8 14.8#

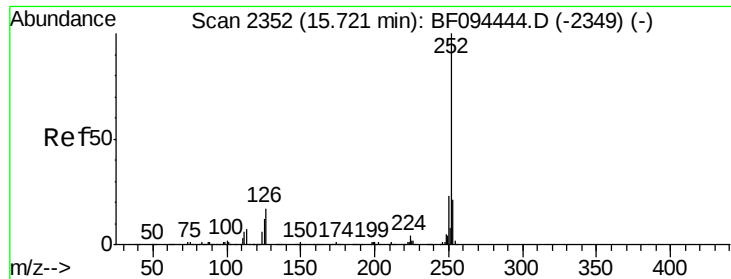


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.92 ng

RT: 15.71 min Scan# 2341

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

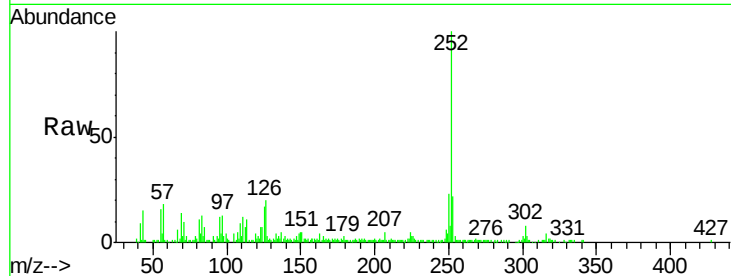
Tot Ion:252 Resp: 71423

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

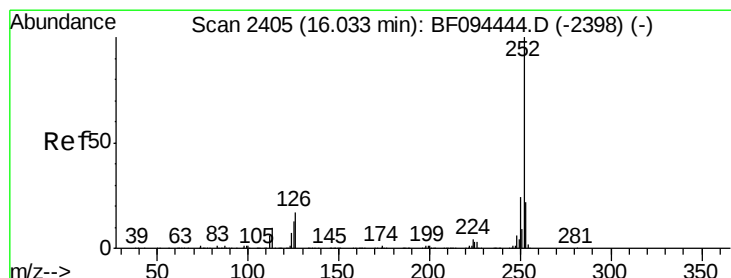
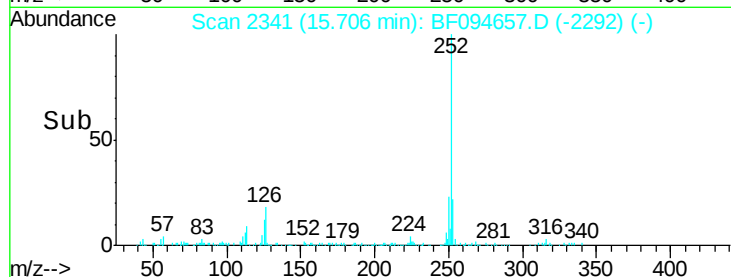
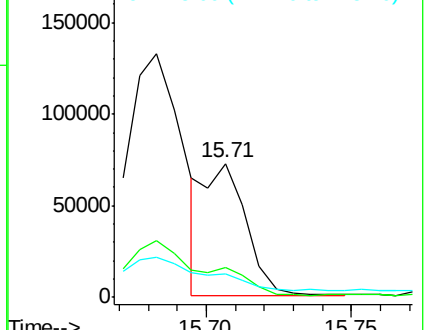
125 17.2 13.1 19.7



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: 11.22 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

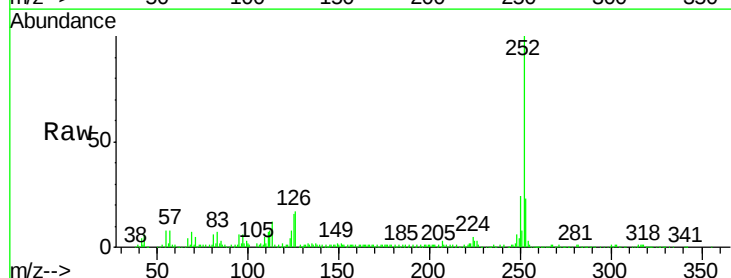
Tgt Ion:252 Resp: 160106

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

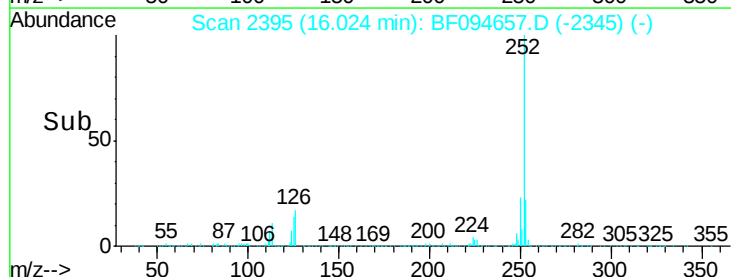
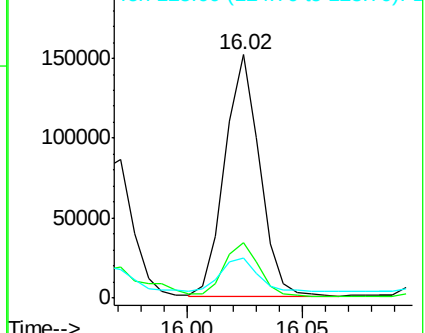
125 16.4 11.0 16.4

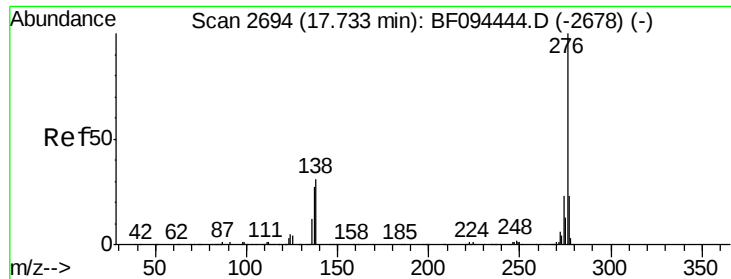


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.30 ng

RT: 17.73 min Scan# 2685

Delta R.T. -0.00 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

E2-W9-SSW

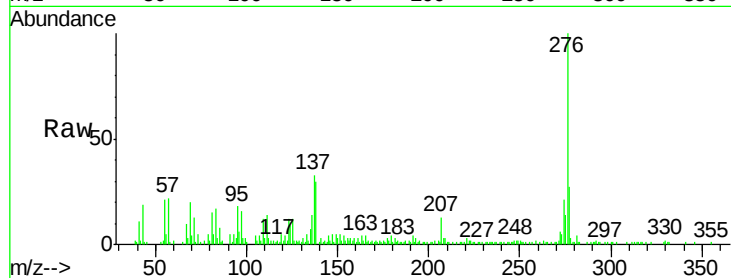
Tot Ion: 276 Resp: 76050

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 29.7 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

