

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094586.D
 Acq On : 24 Apr 2017 15:39
 Operator : SJ/MA
 Sample : I2780-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

Quant Time: Apr 25 05:10:31 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

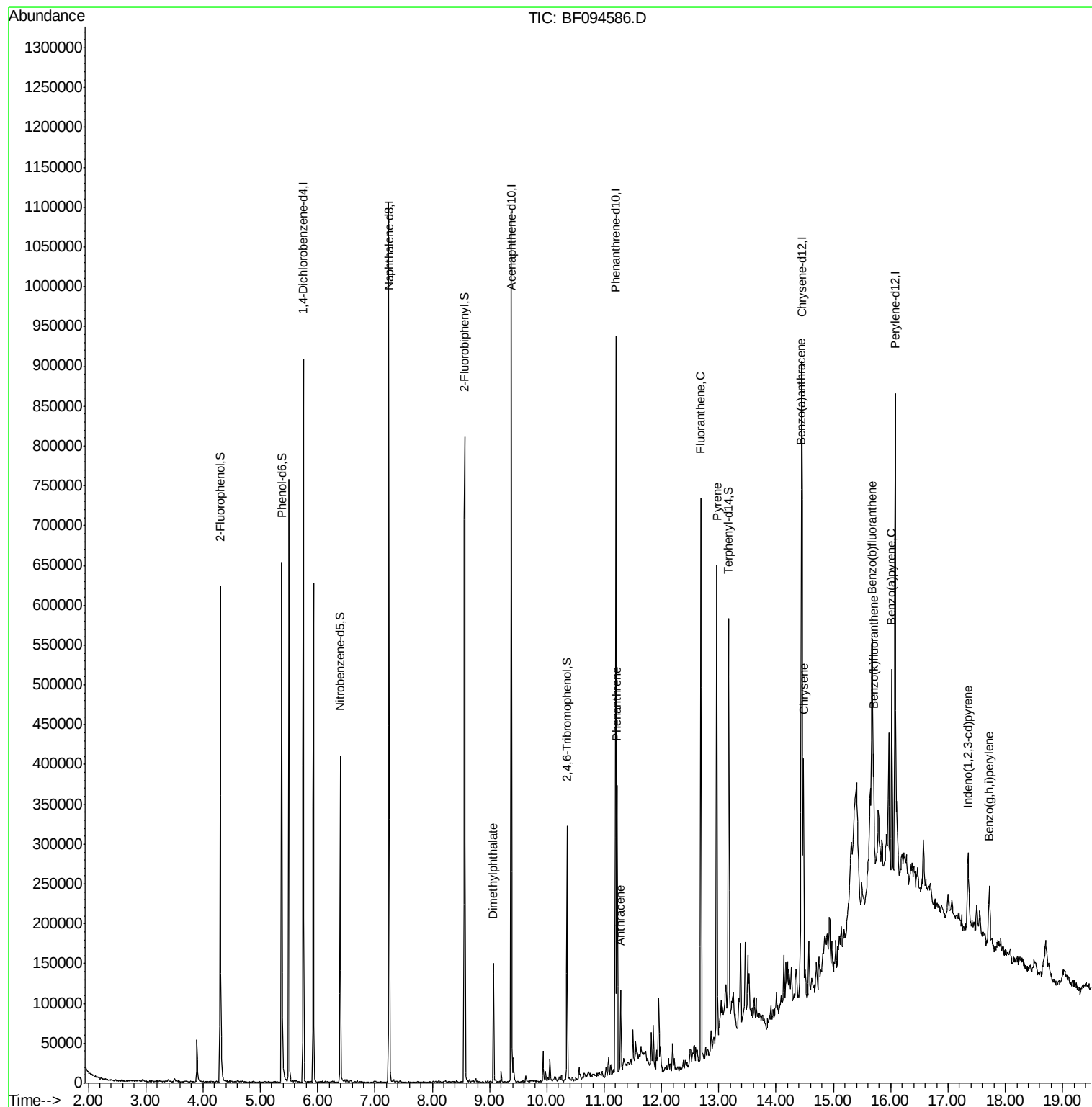
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	148321	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	565958	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	238567	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	359721	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	266004	20.00	ng	-0.02
86) Perylene-d12	16.08	264	254386	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	191629	21.43	ng	0.00
7) Phenol-d6	5.37	99	239713	22.74	ng	-0.02
23) Nitrobenzene-d5	6.40	82	137952	15.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	38070	20.40	ng	-0.02
44) 2-Fluorobiphenyl	8.57	172	273022	16.84	ng	-0.02
78) Terphenyl-d14	13.17	244	159181	16.00	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.07	163	69736	3.92	ng	99
70) Phenanthrene	11.22	178	148241	7.32	ng	97
71) Anthracene	11.29	178	42562	2.03	ng	95
74) Fluoranthene	12.69	202	301091	14.34	ng	98
77) Pyrene	12.97	202	258459	13.91	ng	97
80) Benzo(a)anthracene	14.44	228	138450	8.95	ng	99
82) Chrysene	14.48	228	132335	9.37	ng	96
85) Indeno(1,2,3-cd)pyrene	17.35	276	52886	3.93	ng	98
87) Benzo(b)fluoranthene	15.68	252	160423m	10.31	ng	
88) Benzo(k)fluoranthene	15.70	252	50072m	3.40	ng	
89) Benzo(a)pyrene	16.02	252	109324	7.55	ng	# 96
91) Benzo(a,h,i)perylene	17.72	276	47858	3.91	ng	94

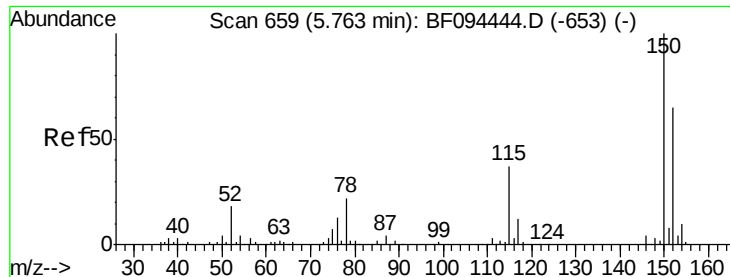
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.75 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

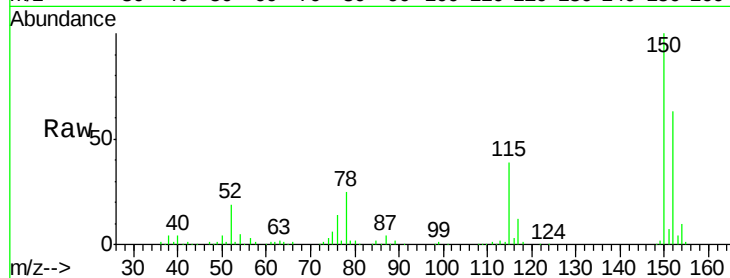
Tot Ion:152 Resp: 148321

Ion Ratio Lower Upper

152 100

150 157.8 126.2 189.2

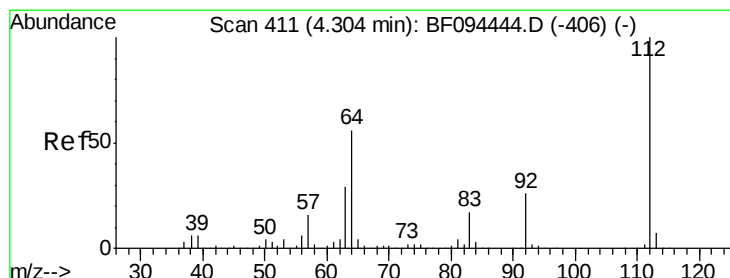
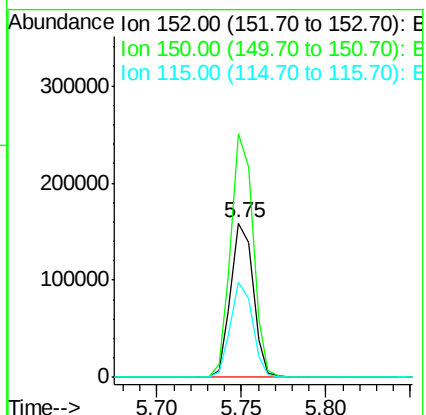
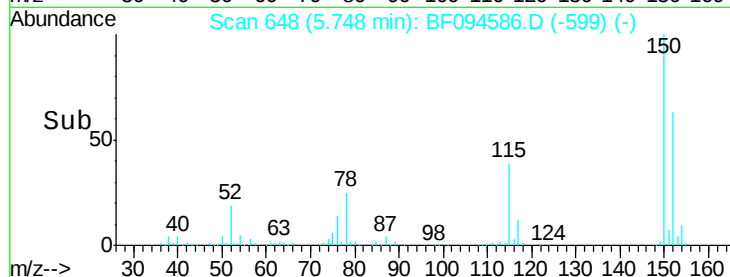
115 61.7 52.2 78.2



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: 21.43 ng

RT: 4.30 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

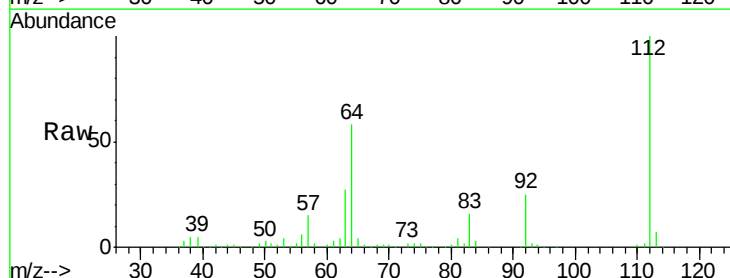
Tgt Ion:112 Resp: 191629

Ion Ratio Lower Upper

112 100

64 57.9 46.0 69.0

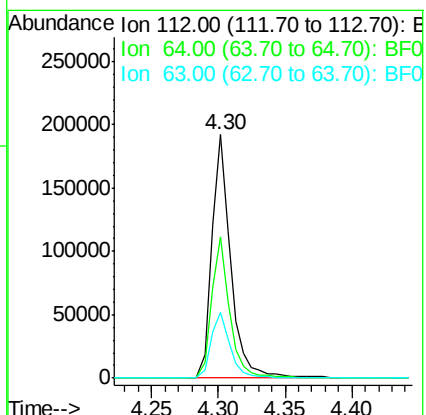
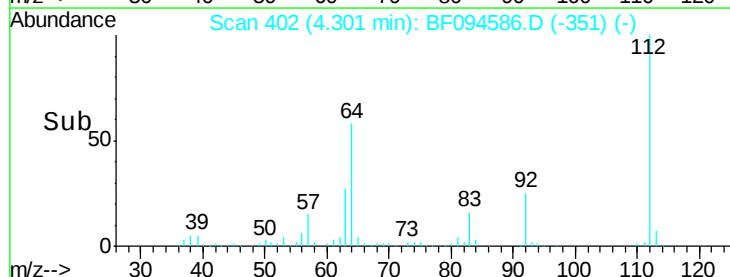
63 26.8 23.4 35.0

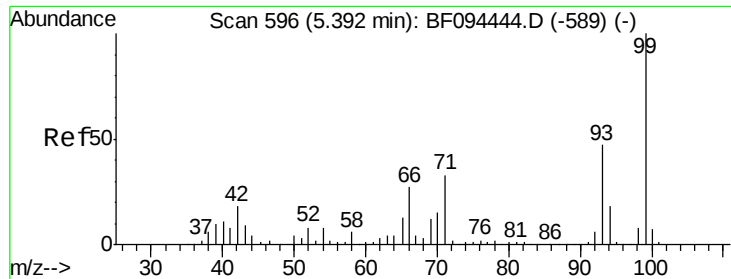


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.74 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

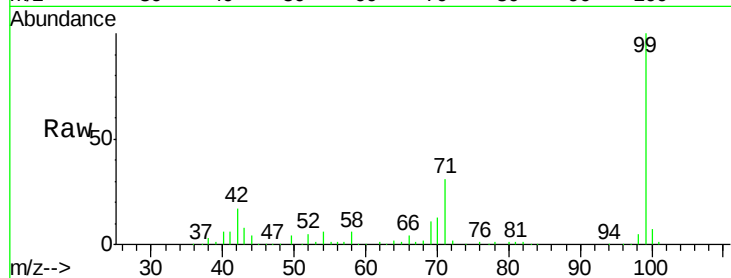
Tot Ion: 99 Resp: 239713

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

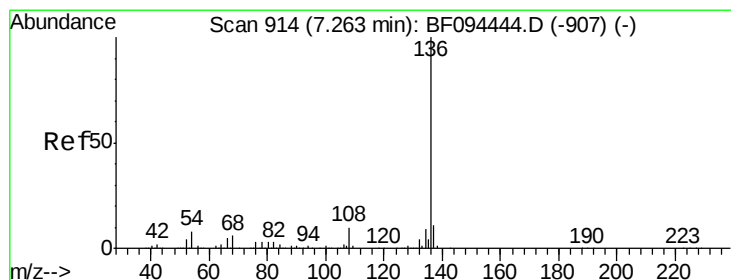
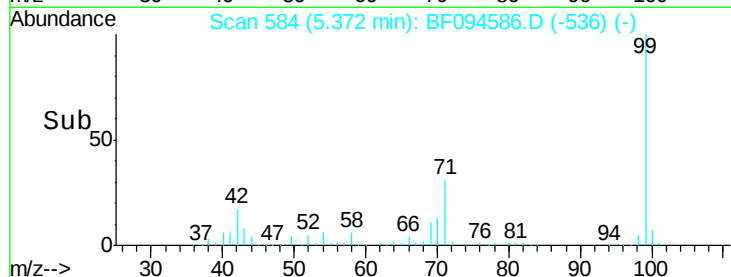
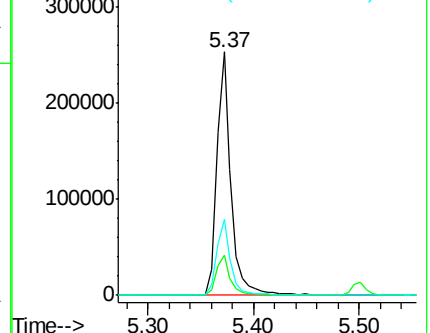
71 31.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.24 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Tgt Ion: 136 Resp: 565958

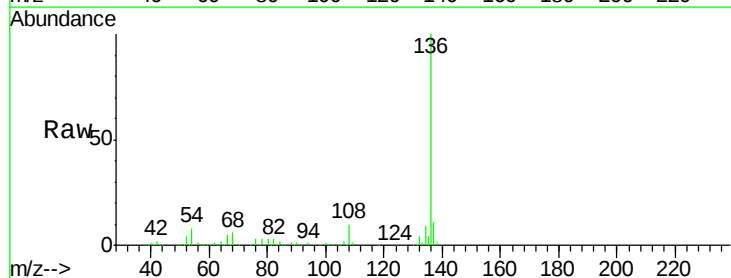
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.1 4.9 7.3#

68 6.0 4.1 6.1

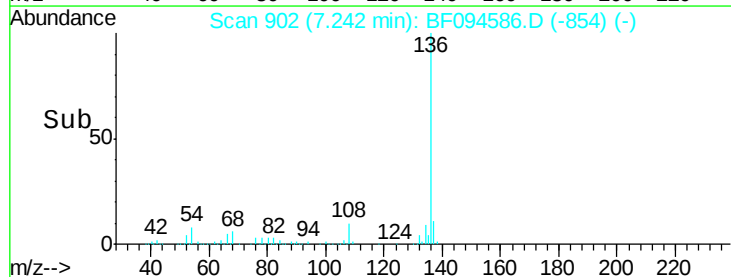
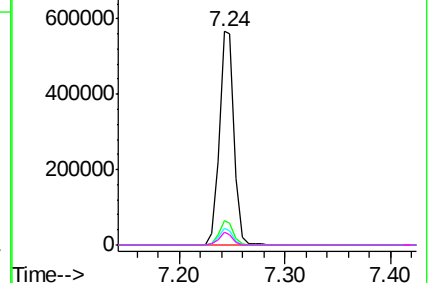


Abundance Ion 136.00 (135.70 to 136.70): E

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

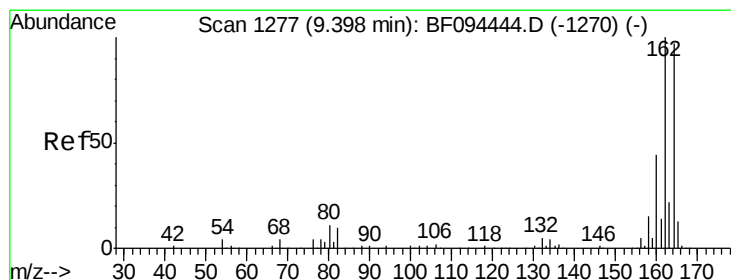
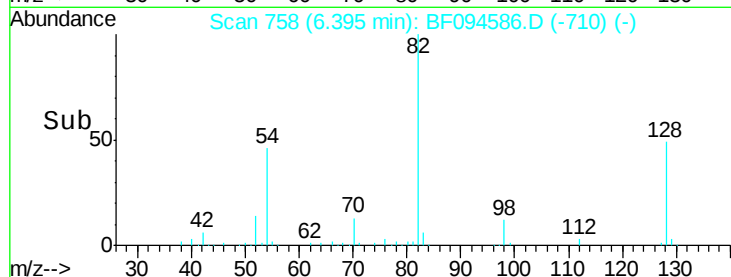
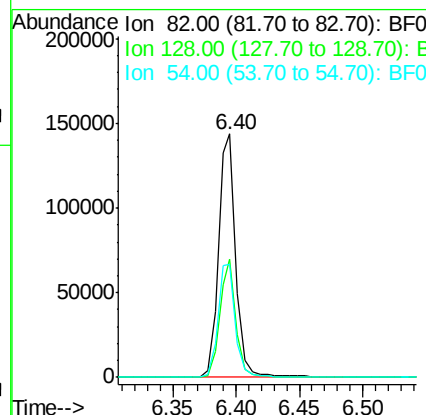
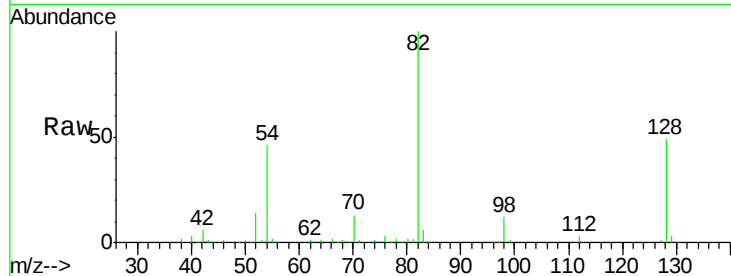




#23
 Nitrobenzene-d5
 Concen: 15.05 ng
 RT: 6.40 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

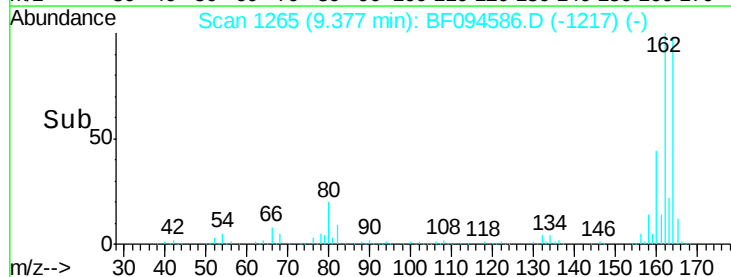
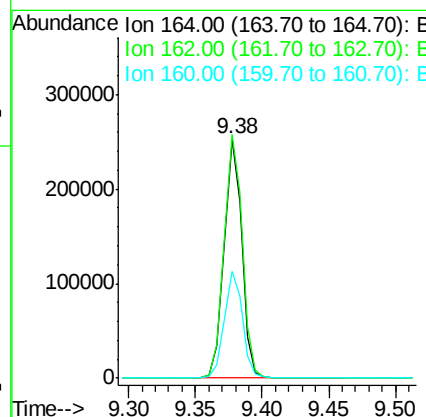
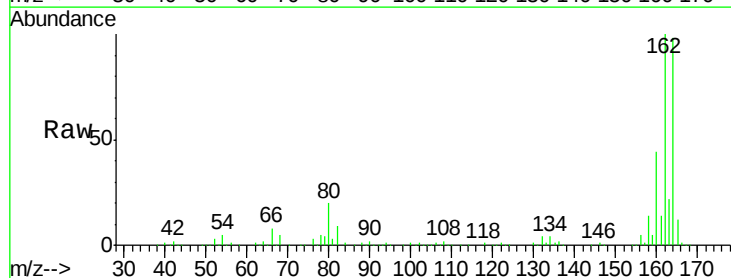
Instrument :
 BNA_F
 ClientSampleId :
 PE-3

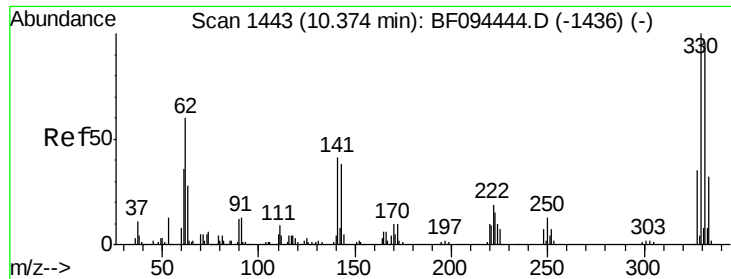
Tot Ion	82	Resp	137952
Ion Ratio	Lower	Upper	
82	100		
128	48.6	34.0	51.0
54	46.3	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

Tgt Ion	164	Resp	238567
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.6	123.8
160	44.5	36.2	54.2

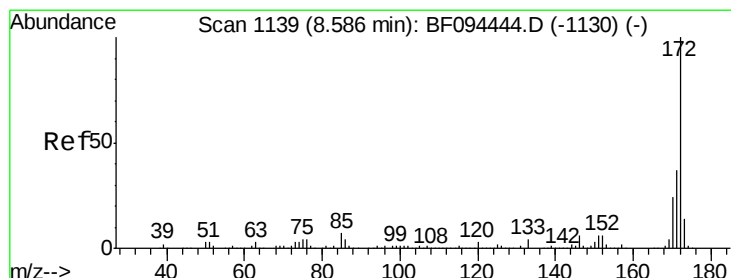
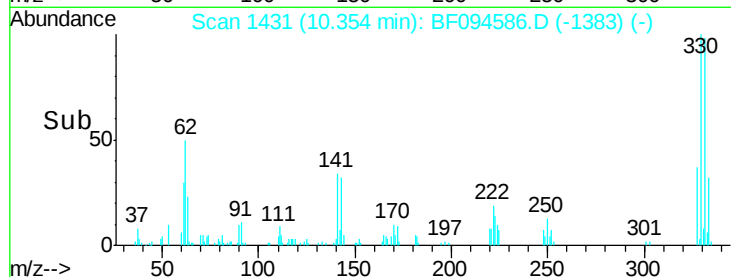
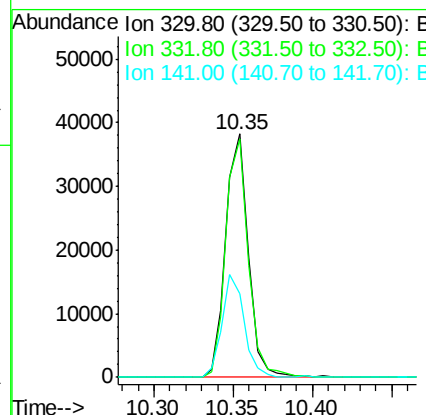
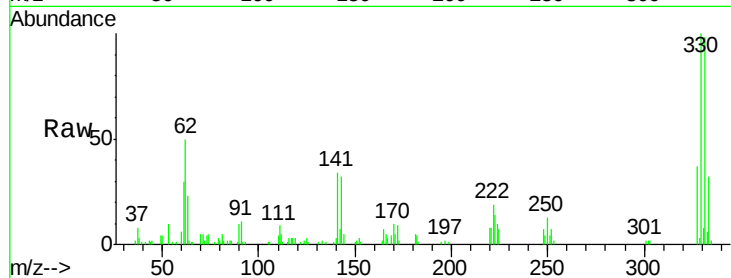




#41
 2,4,6-Tribromophenol
 Concen: 20.40 ng
 RT: 10.35 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

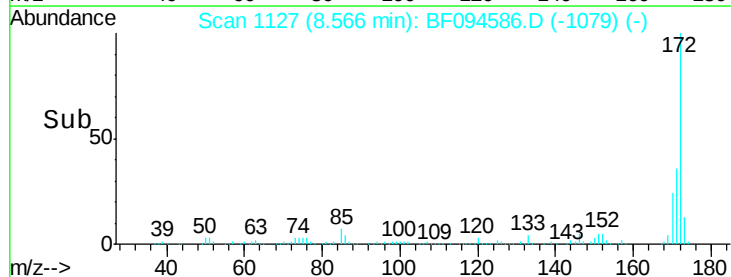
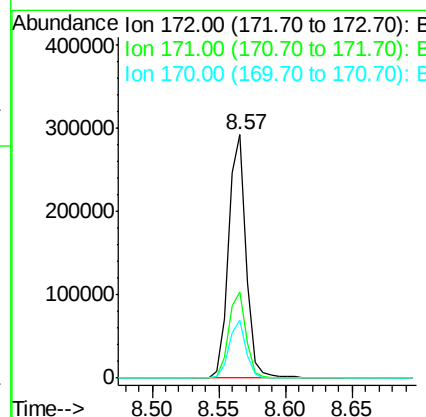
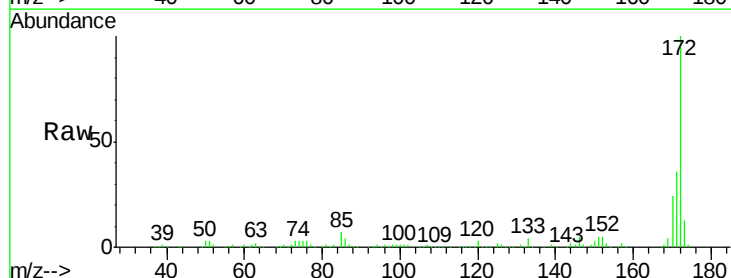
Instrument :
 BNA_F
 ClientSampleId :
 PE-3

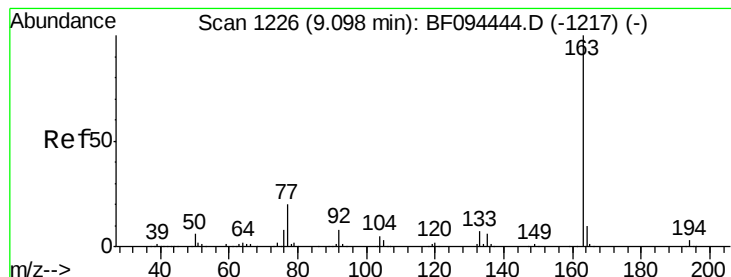
Tot Ion:330 Resp: 38070
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 40.8 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 16.84 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094586.D
 Acq: 24 Apr 2017 15:39

Tgt Ion:172 Resp: 273022
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 24.0 19.8 29.8





#49

Dimethylphthalate

Concen: 3.92 ng

RT: 9.07 min Scan# 1212

Delta R.T. -0.03 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

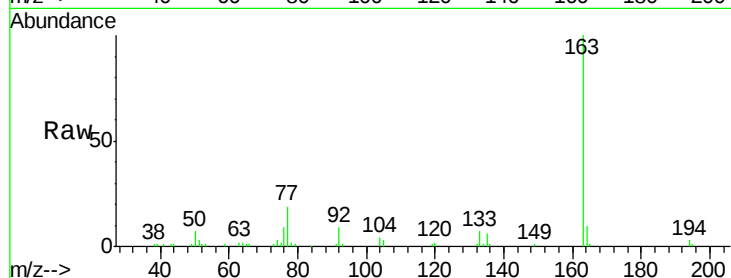
Tot Ion:163 Resp: 69736

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

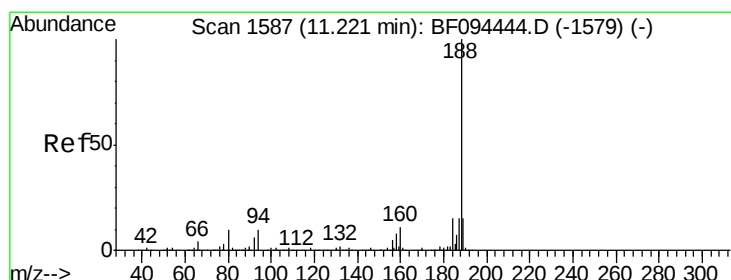
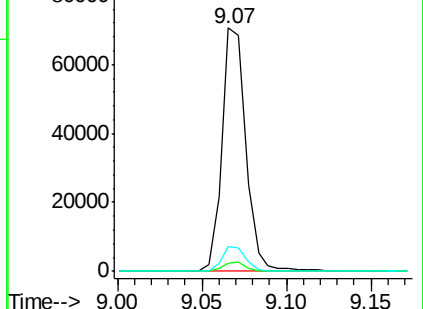
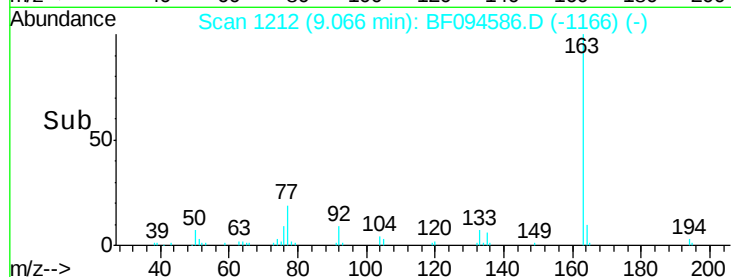
164 10.2 8.4 12.6



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: 11.20 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

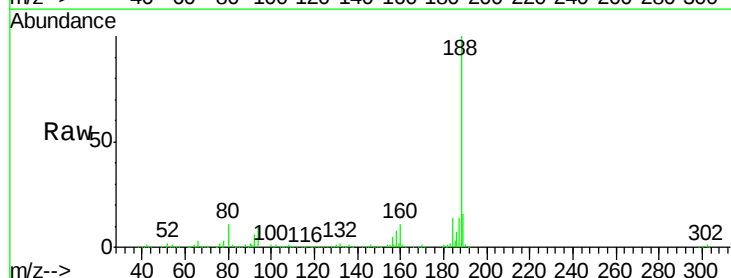
Tgt Ion:188 Resp: 359721

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

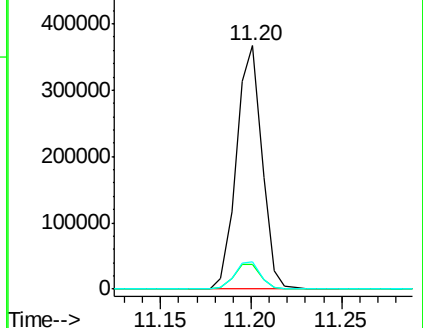
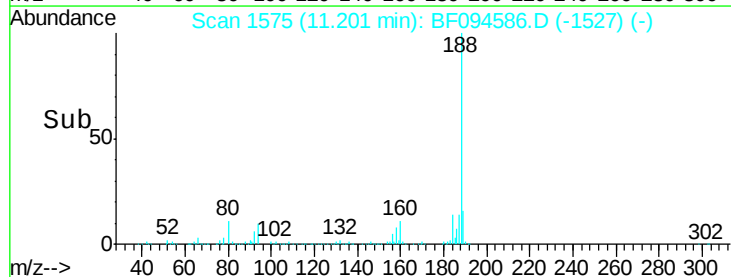
80 11.3 10.2 15.2

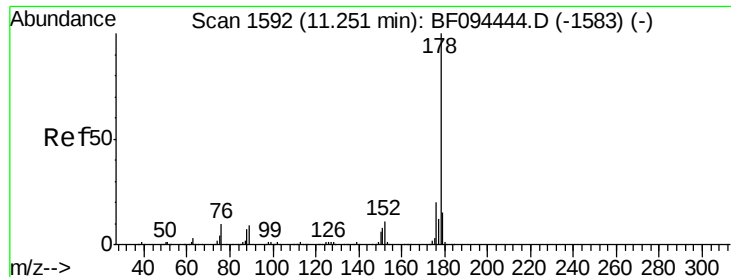


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

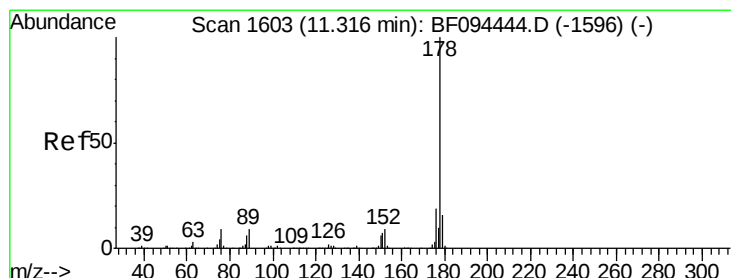
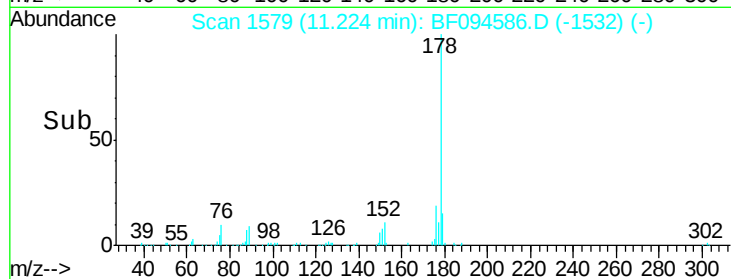
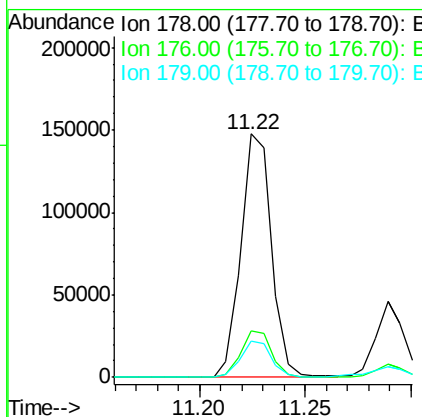
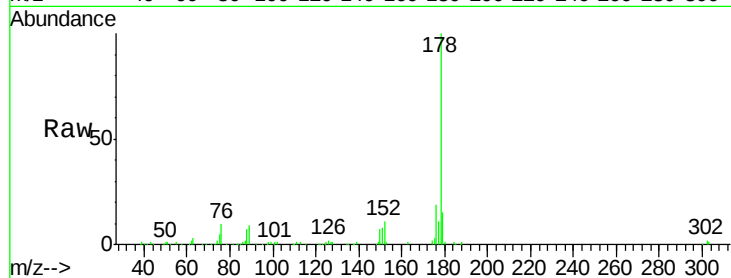




#70
Phenanthrene
Concen: 7.32 ng
RT: 11.22 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

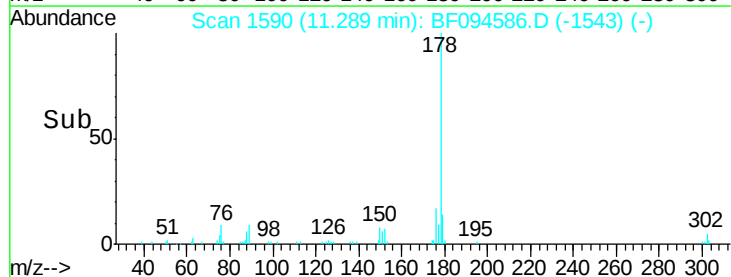
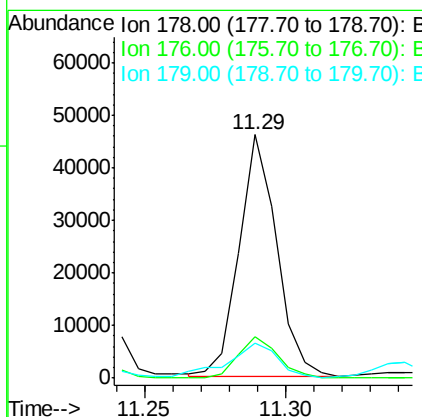
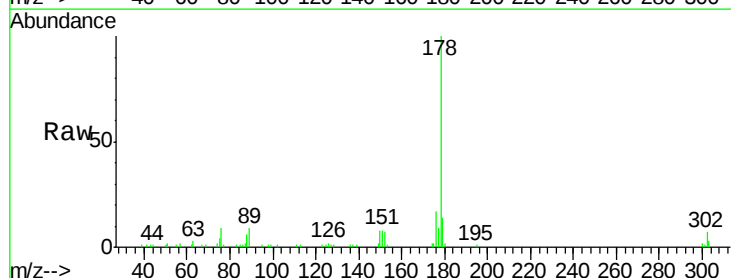
Instrument :
BNA_F
ClientSampleId :
PE-3

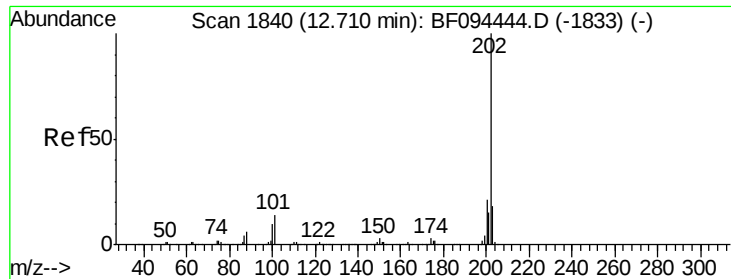
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.0	12.6	19.0



#71
Anthracene
Concen: 2.03 ng
RT: 11.29 min Scan# 1590
Delta R.T. -0.03 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.8	23.8
179	14.3	12.7	19.1





#74

Fluoranthene

Concen: 14.34 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

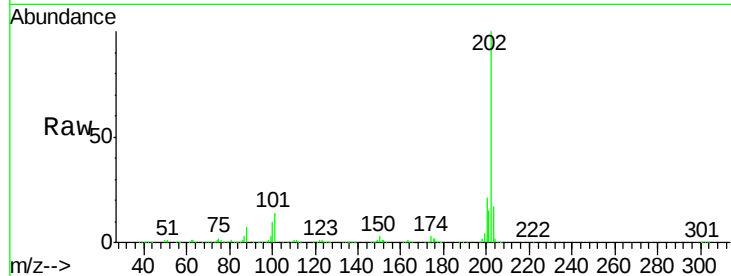
Tot Ion:202 Resp: 301091

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

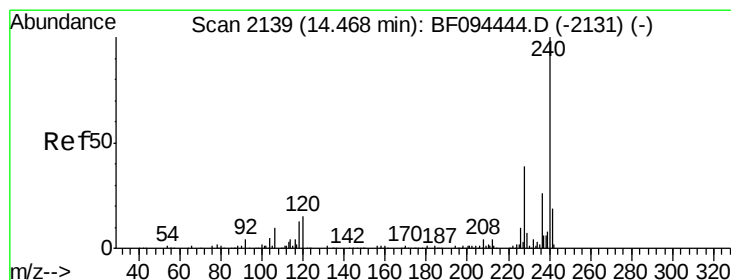
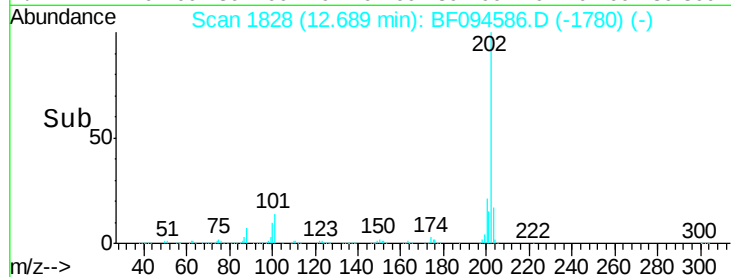
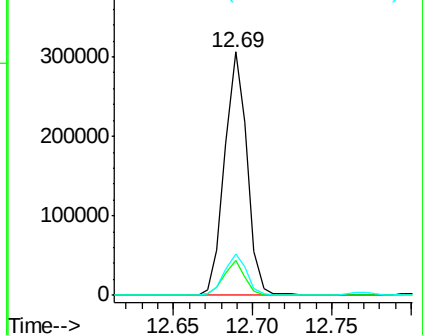
203 17.2 0.0 38.1



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# 2127

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

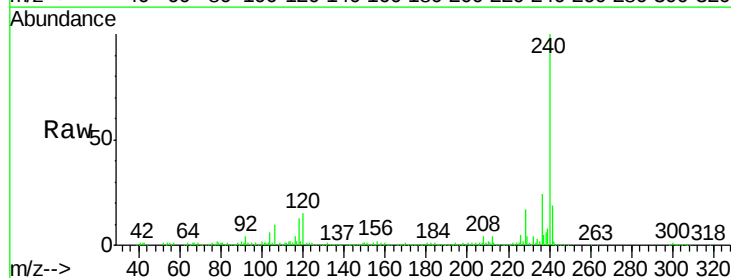
Tgt Ion:240 Resp: 266004

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

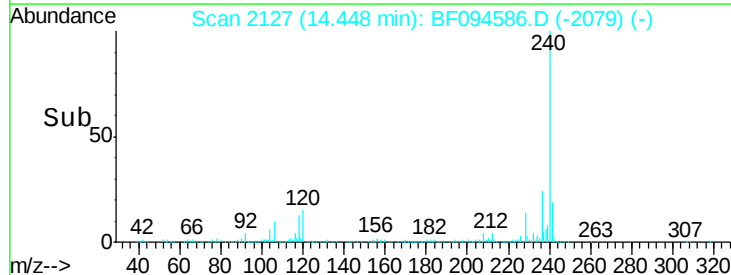
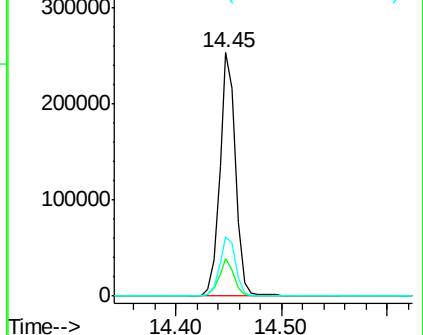
236 24.4 20.5 30.7

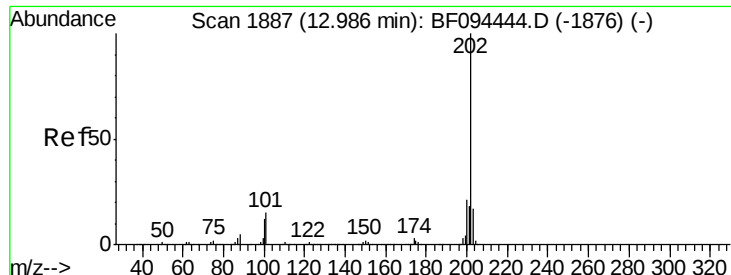


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.91 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

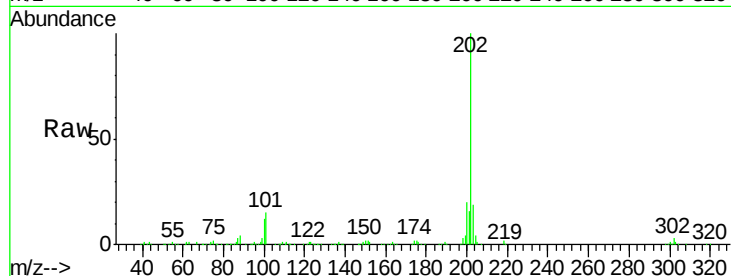
Tot Ion:202 Resp: 258459

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

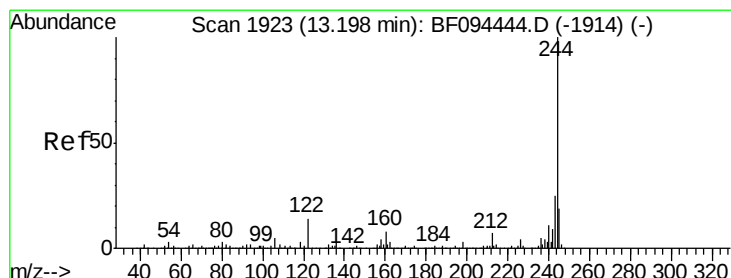
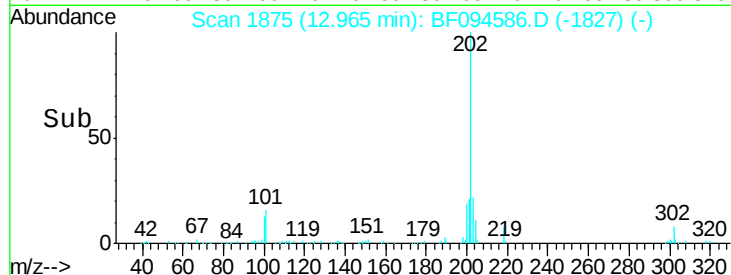
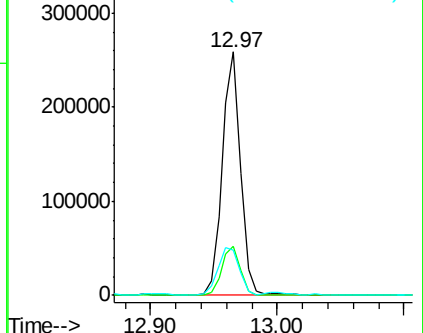
203 18.5 14.4 21.6



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: 16.00 ng

RT: 13.17 min Scan# 1910

Delta R.T. -0.03 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

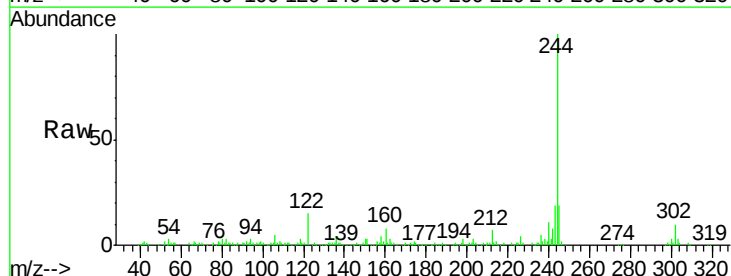
Tgt Ion:244 Resp: 159181

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

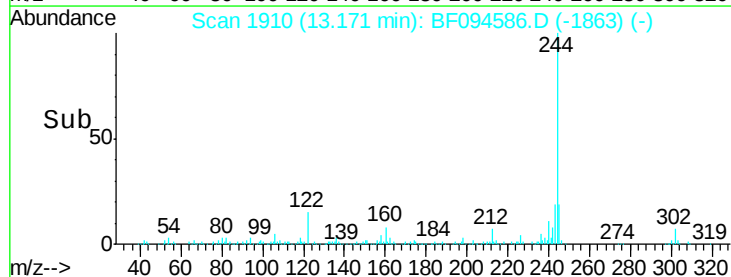
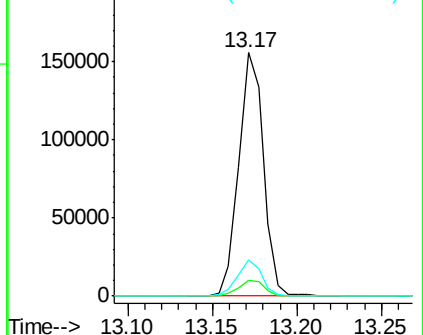
122 14.9 10.3 15.5

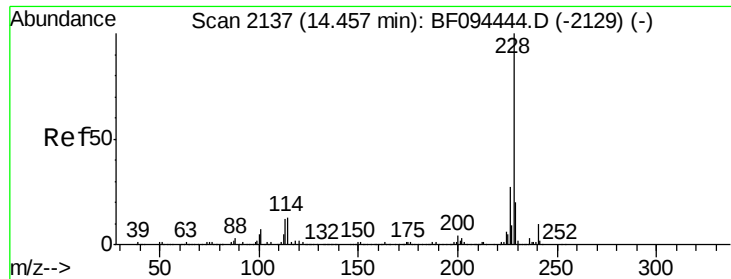


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

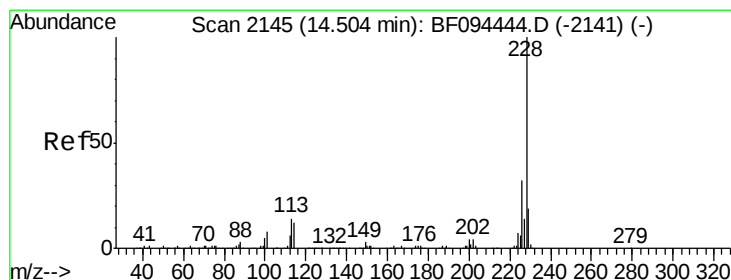
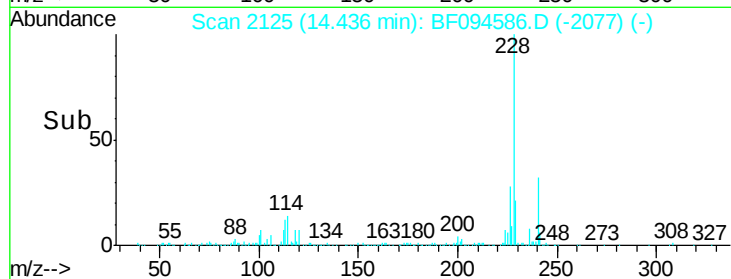
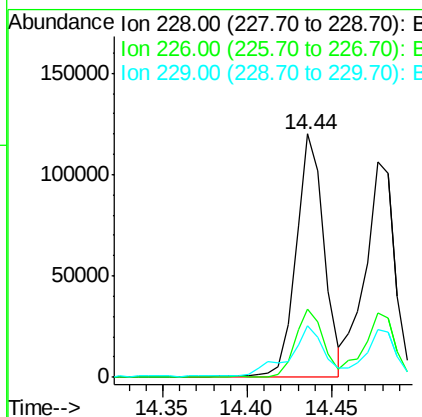
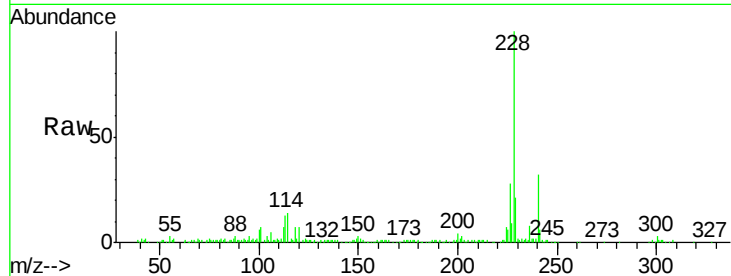




#80
Benzo(a)anthracene
Concen: 8.95 ng
RT: 14.44 min Scan# 2125
Delta R.T. -0.02 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

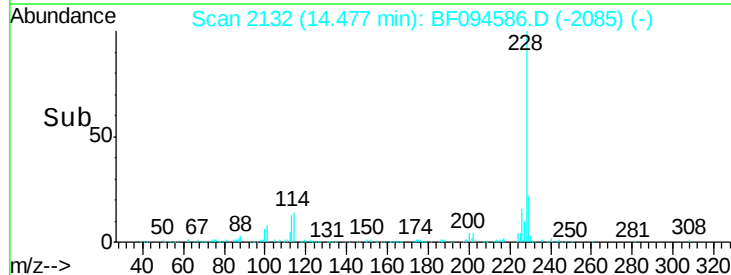
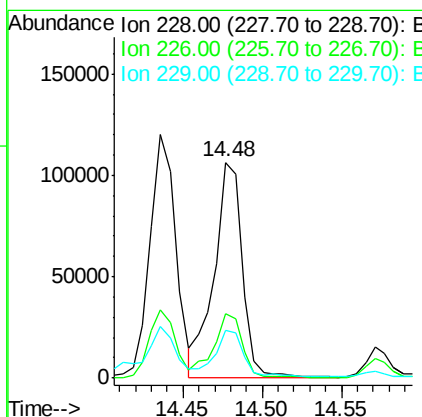
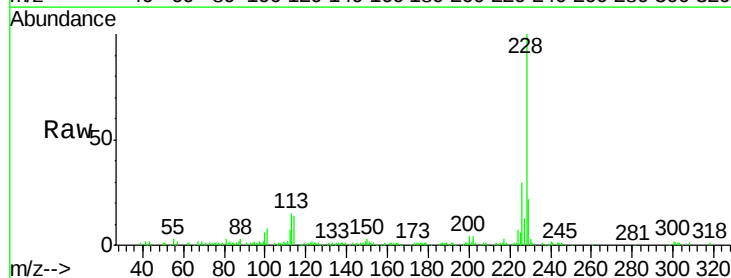
Instrument :
BNA_F
ClientSampleId :
PE-3

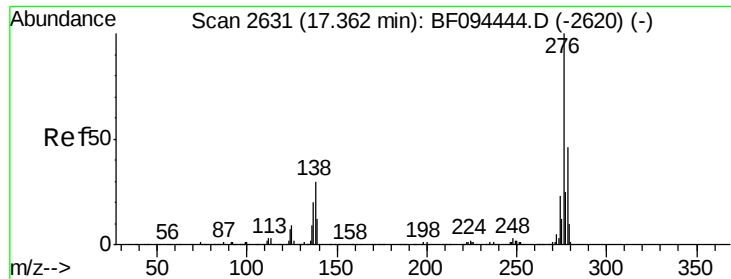
Tot Ion:228 Resp: 138450
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 21.4 16.3 24.5



#82
Chrysene
Concen: 9.37 ng
RT: 14.48 min Scan# 2132
Delta R.T. -0.03 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion:228 Resp: 132335
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 22.3 15.8 23.6

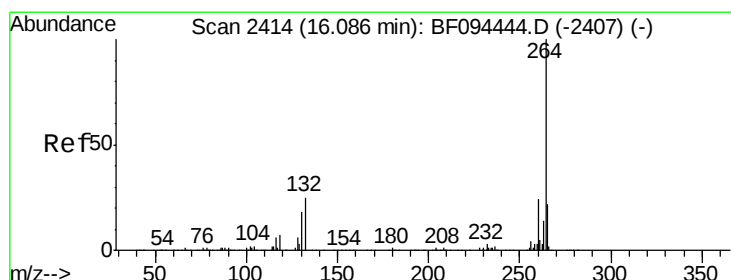
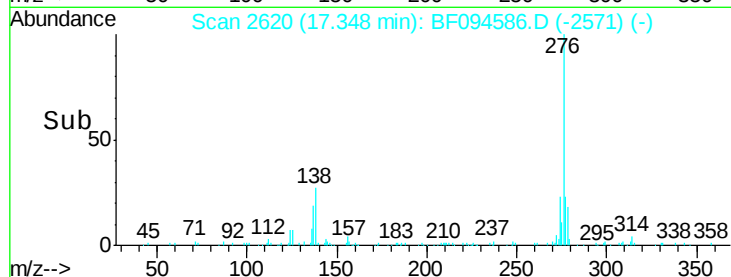
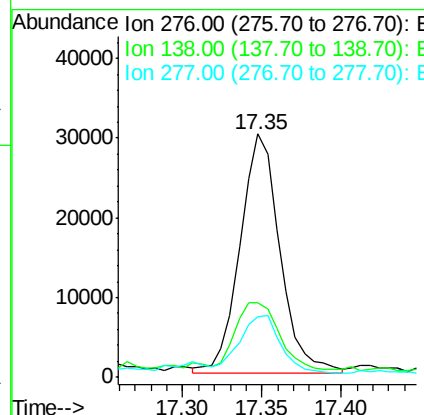
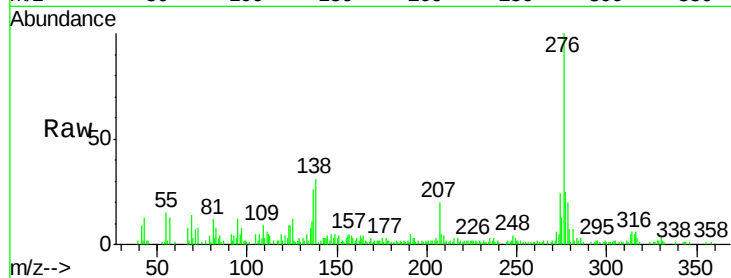




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.93 ng
RT: 17.35 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

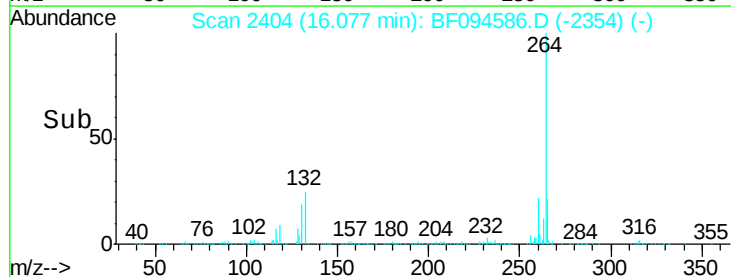
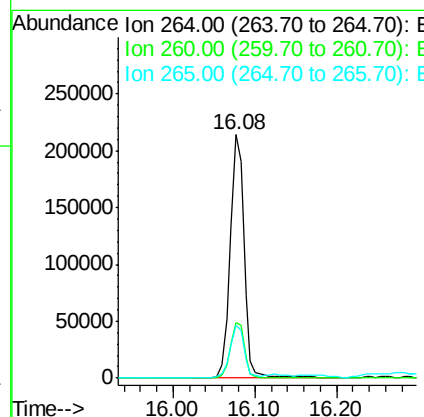
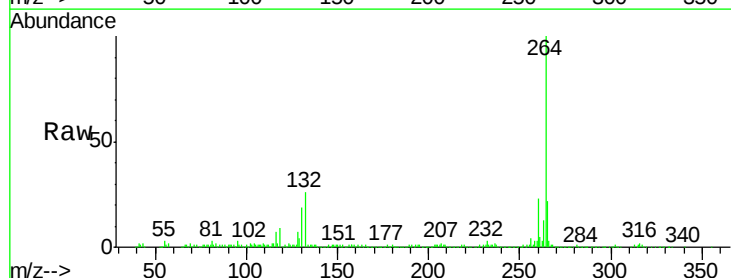
Instrument :
BNA_F
ClientSampleId :
PE-3

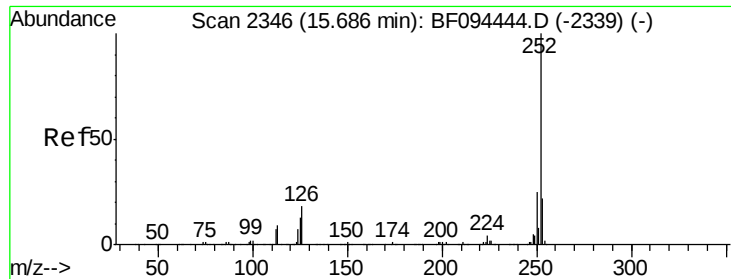
Tot Ion:276 Resp: 52886
Ion Ratio Lower Upper
276 100
138 32.7 27.8 41.6
277 25.3 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion:264 Resp: 254386
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 21.5 17.2 25.8

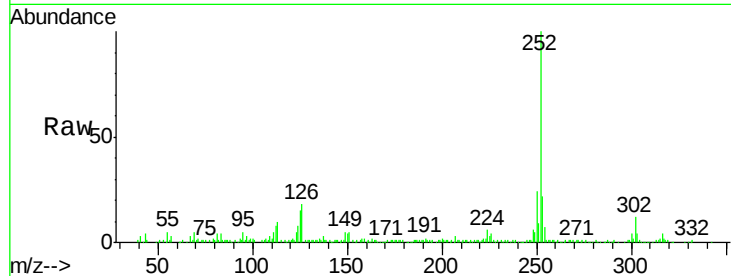




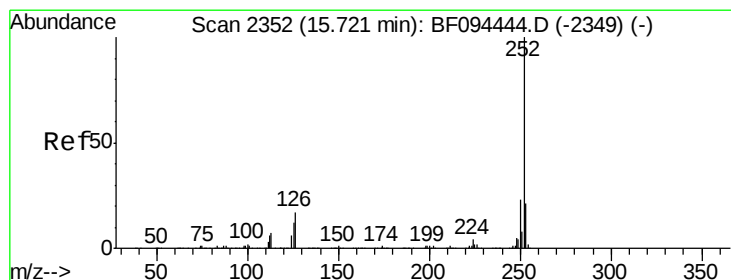
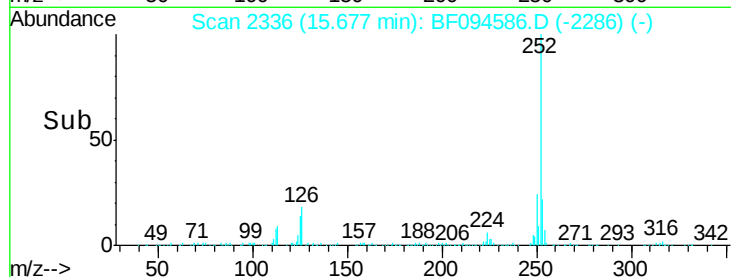
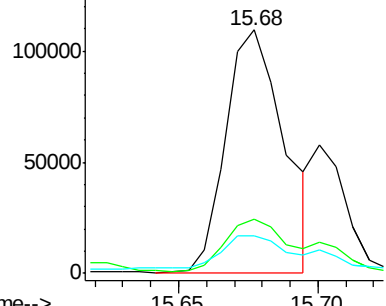
#87
Benzo(b)fluoranthene
Concen: 10.31 ng m
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Instrument :
BNA_F
ClientSampled :
PE-3

Tot Ion:252 Resp: 160423
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 15.3 9.8 14.8#

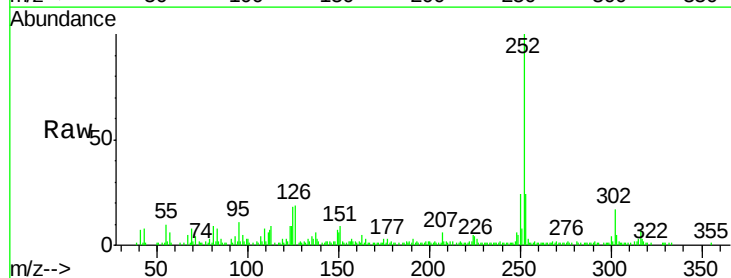


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

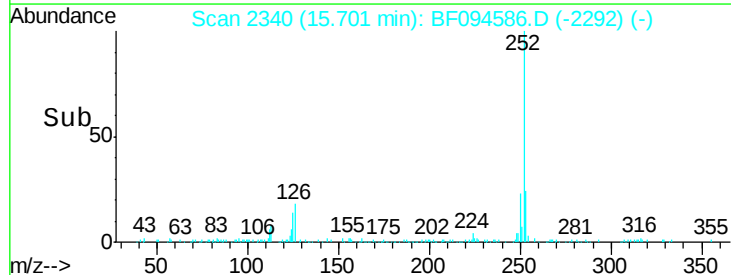
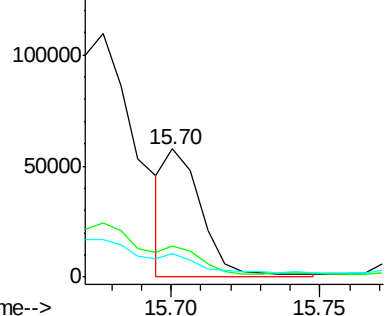


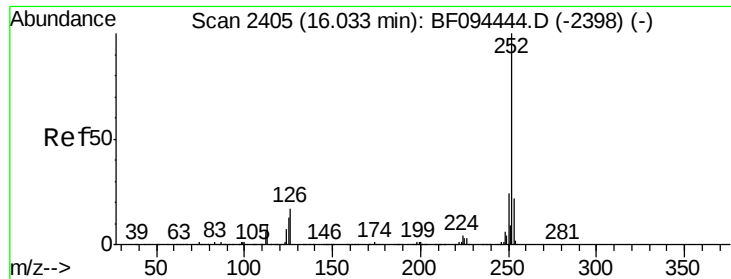
#88
Benzo(k)fluoranthene
Concen: 3.40 ng m
RT: 15.70 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BF094586.D
Acq: 24 Apr 2017 15:39

Tgt Ion:252 Resp: 50072
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 17.9 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: 7.55 ng

RT: 16.02 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PE-3

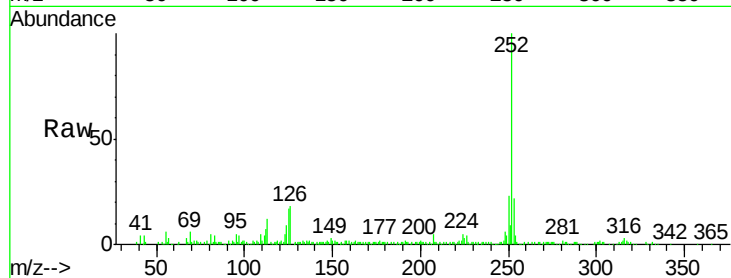
Tot Ion:252 Resp: 109324

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

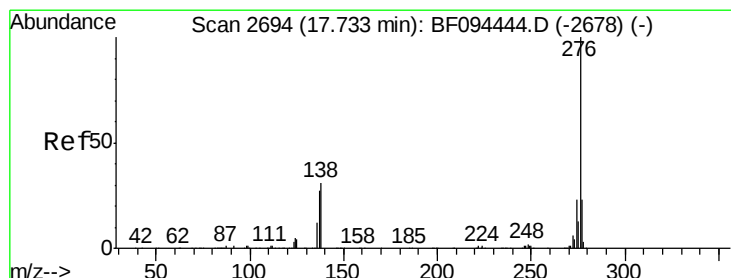
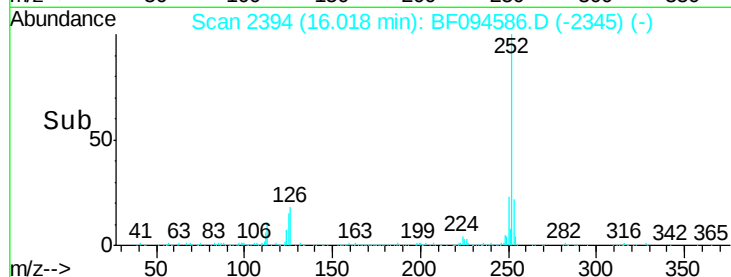
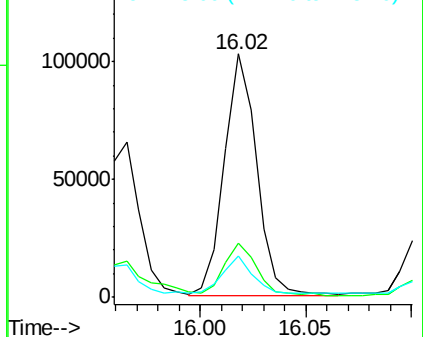
125 16.9 11.0 16.4#



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: 3.91 ng

RT: 17.72 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BF094586.D

Acq: 24 Apr 2017 15:39

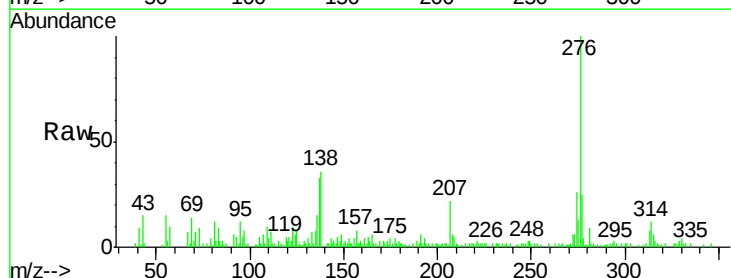
Tgt Ion:276 Resp: 47858

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 36.0 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

