

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041917\
 Data File : BF094533.D
 Acq On : 19 Apr 2017 23:17
 Operator : SJ/MA
 Sample : I2749-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-V6-WSW

Quant Time: Apr 20 05:09:26 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

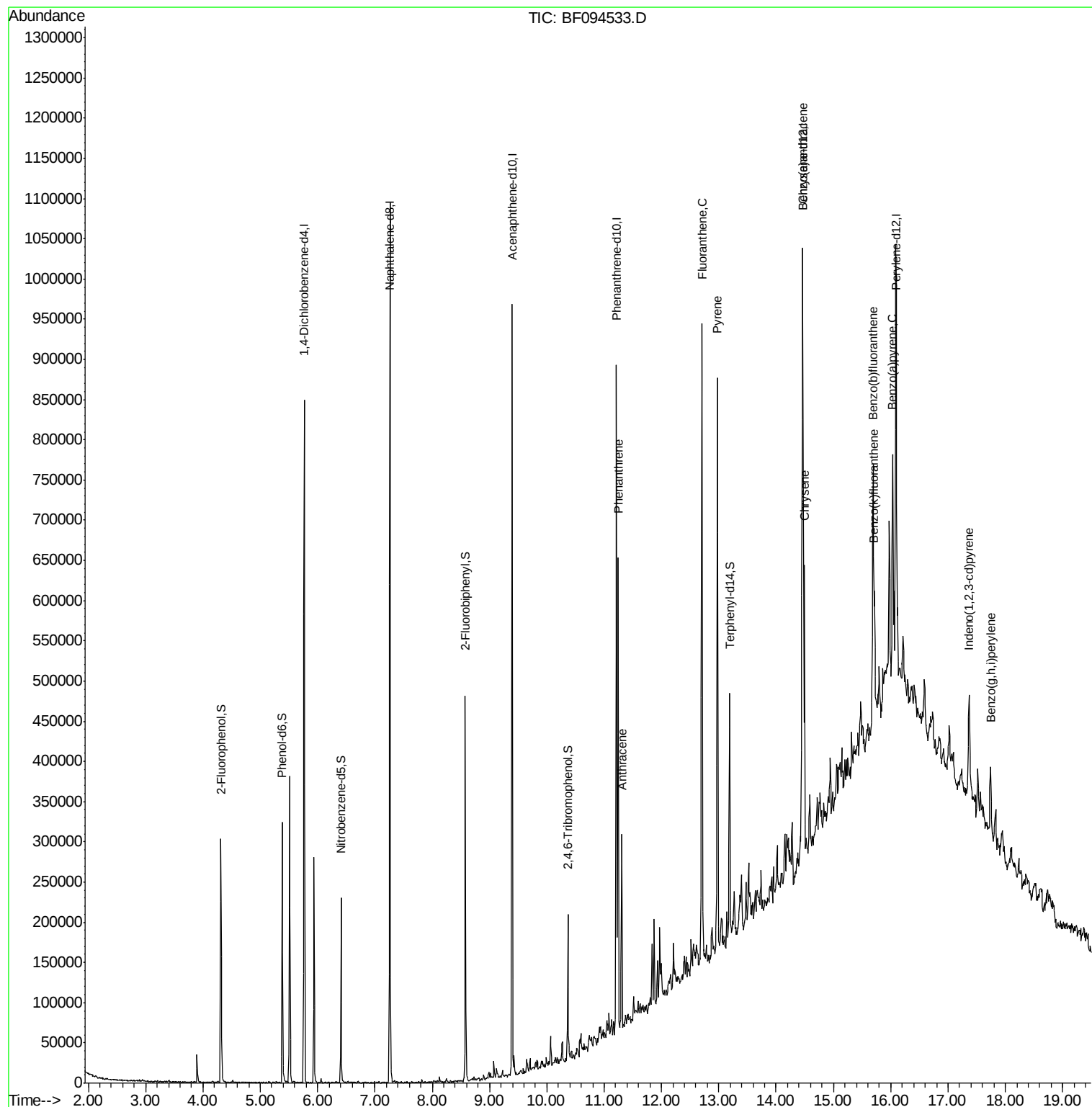
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	125708	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	493590	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	199211	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	327092	20.00	ng	0.00
75) Chrysene-d12	14.47	240	261916	20.00	ng	0.00
86) Perylene-d12	16.09	264	226775	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	91516	12.08	ng	0.00
7) Phenol-d6	5.38	99	114780	12.85	ng	0.00
23) Nitrobenzene-d5	6.41	82	70473	8.82	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	17625	11.31	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	152509	11.26	ng	0.00
78) Terphenyl-d14	13.19	244	99951	10.20	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.24	178	219425	11.91	ng	98
71) Anthracene	11.31	178	98420	5.17	ng	96
74) Fluoranthene	12.71	202	359957	18.86	ng	98
77) Pyrene	12.98	202	303601	16.59	ng	96
80) Benzo(a)anthracene	14.45	228	163373	10.73	ng	100
82) Chrysene	14.49	228	146877	10.56	ng	98
85) Indeno(1,2,3-cd)pyrene	17.37	276	73324	5.54	ng	96
87) Benzo(b)fluoranthene	15.69	252	179899m	12.97	ng	
88) Benzo(k)fluoranthene	15.71	252	66767m	5.09	ng	
89) Benzo(a)pyrene	16.03	252	131469	10.19	ng	# 96
91) Benzo(g,h,i)perylene	17.74	276	65409	6.00	ng	97

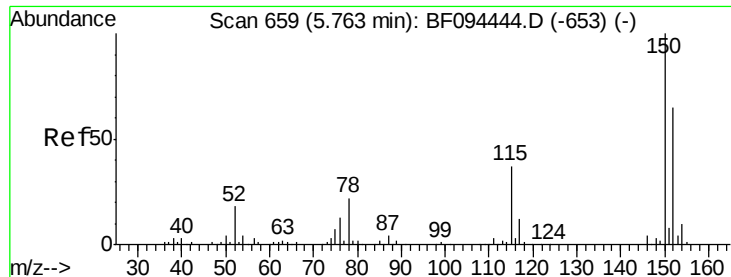
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041917\
Data File : BF094533.D
Acq On : 19 Apr 2017 23:17
Operator : SJ/MA
Sample : I2749-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-V6-WSW

Quant Time: Apr 20 05:09:26 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

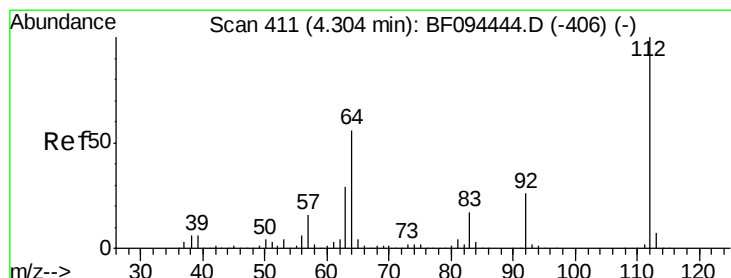
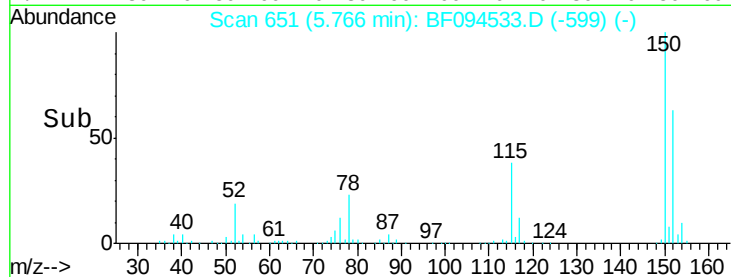
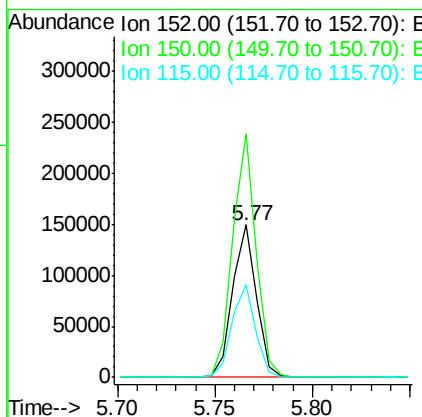
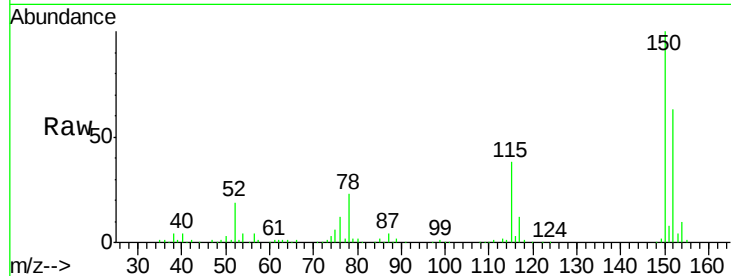




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

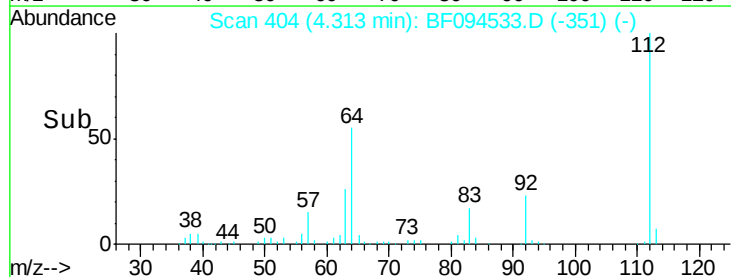
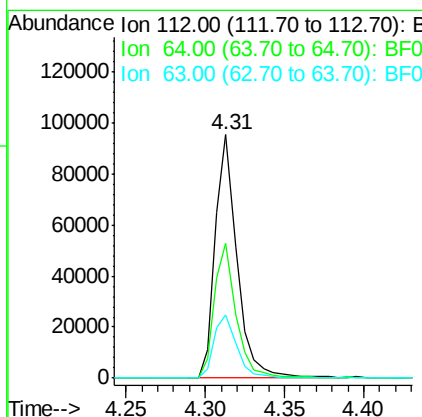
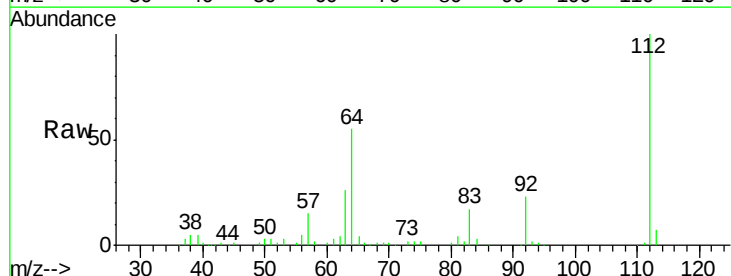
Instrument :
 BNA_F
 ClientSampleId :
 E2-V6-WSW

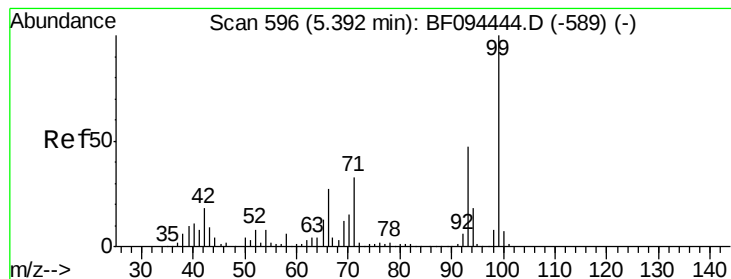
Tgt Ion:152 Resp: 125708
 Ion Ratio Lower Upper
 152 100
 150 159.9 126.2 189.2
 115 60.5 52.2 78.2



#5
 2-Fluorophenol
 Concen: 12.08 ng
 RT: 4.31 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

Tgt Ion:112 Resp: 91516
 Ion Ratio Lower Upper
 112 100
 64 55.2 46.0 69.0
 63 25.7 23.4 35.0





#7

Phenol-d6

Concen: 12.85 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

Instrument :

BNA_F

ClientSampleId :

E2-V6-WSW

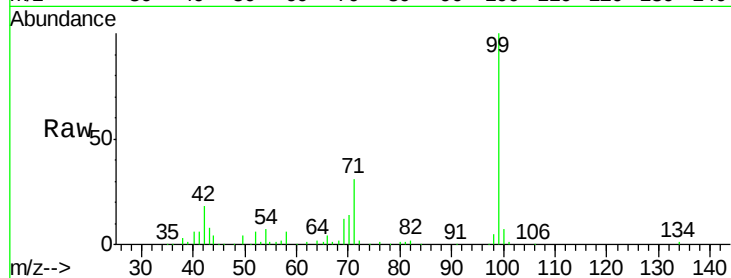
Tgt Ion: 99 Resp: 114780

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

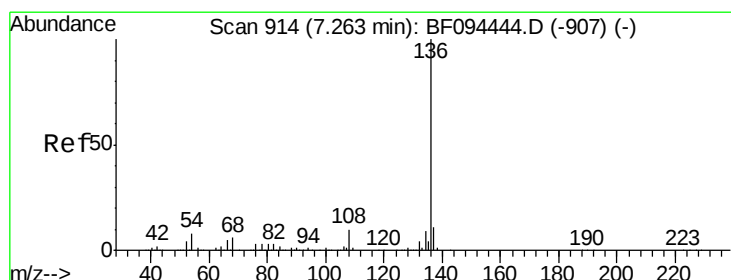
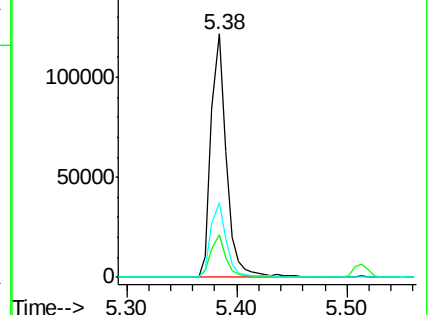
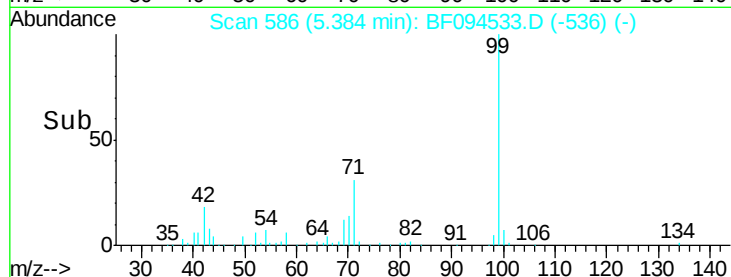
71 30.6 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

Tgt Ion: 136 Resp: 493590

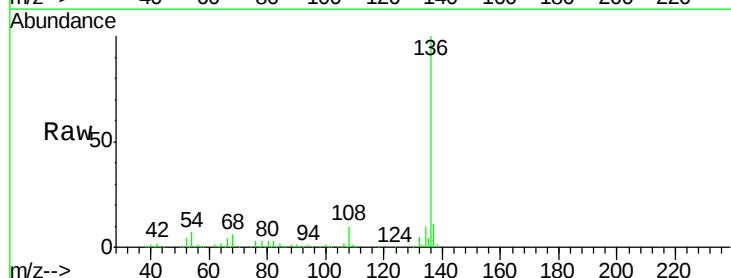
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

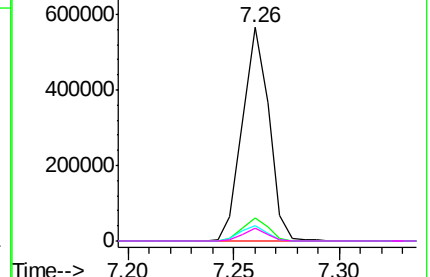
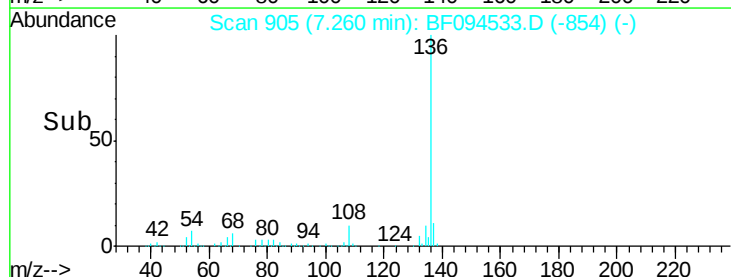


Abundance Ion 136.00 (135.70 to 136.70): E

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

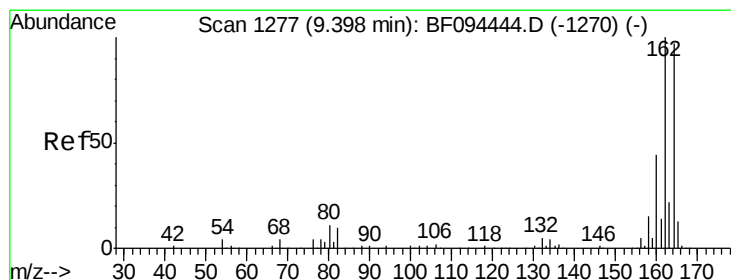
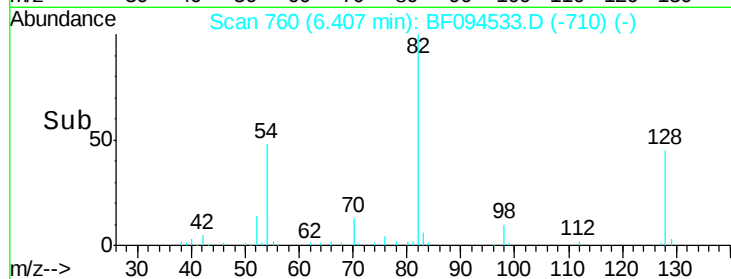
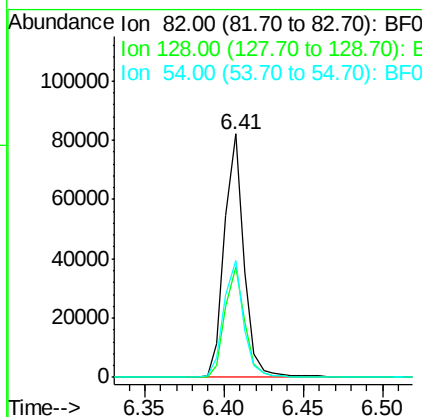
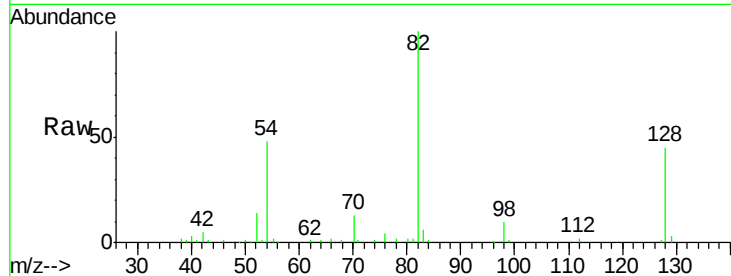




#23
 Nitrobenzene-d5
 Concen: 8.82 ng
 RT: 6.41 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

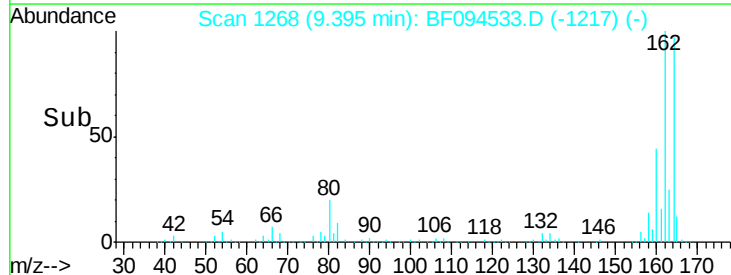
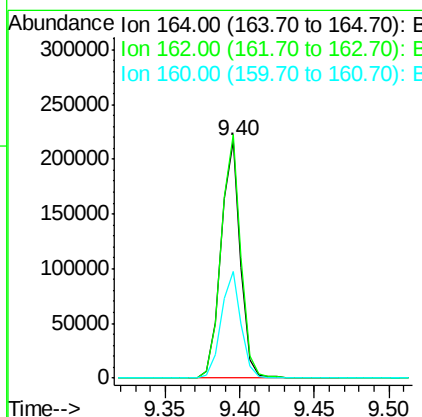
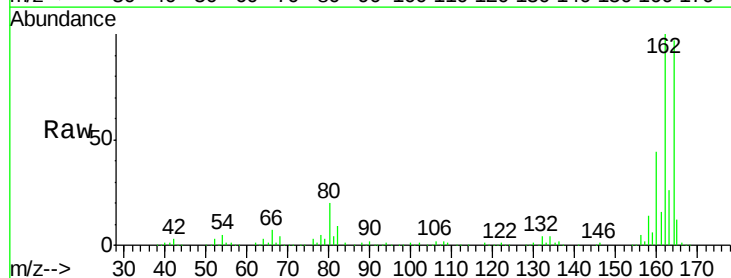
Instrument :
 BNA_F
 ClientSampled :
 E2-V6-WSW

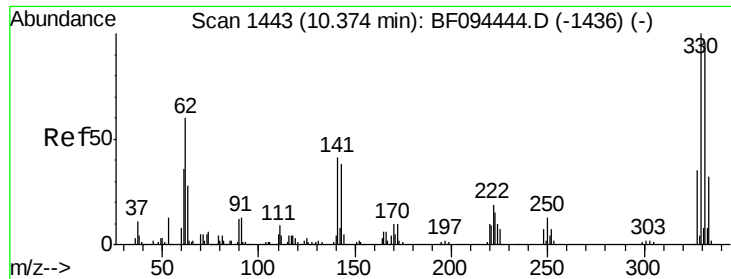
Tgt Ion: 82 Resp: 70473
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.0 51.0
 54 48.2 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

Tgt Ion: 164 Resp: 199211
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.6 123.8
 160 44.9 36.2 54.2

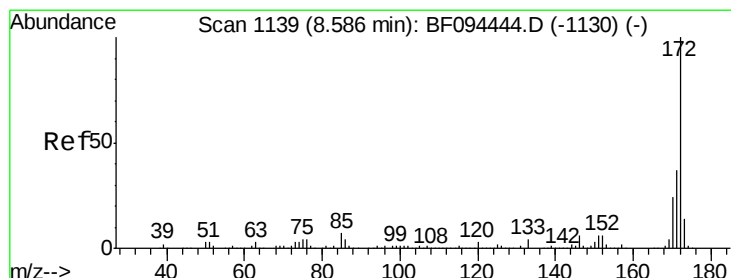
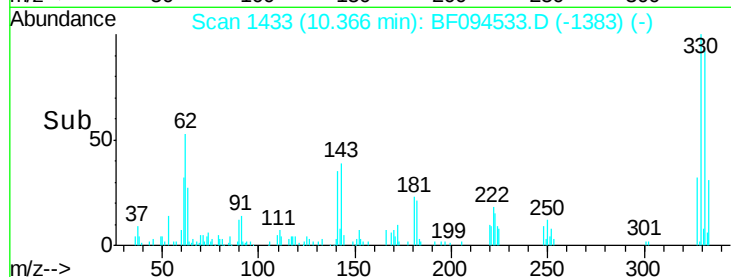
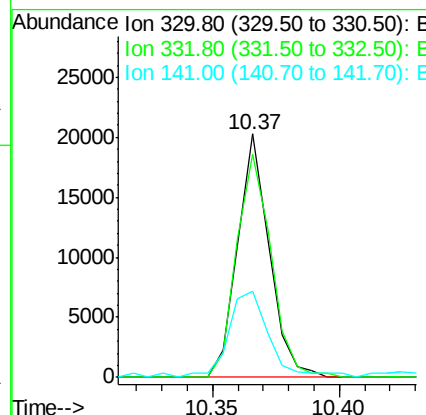
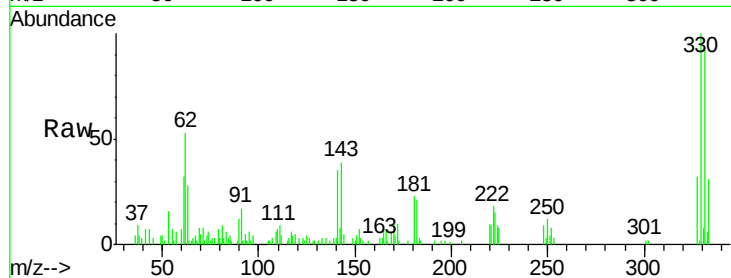




#41
 2,4,6-Tribromophenol
 Concen: 11.31 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

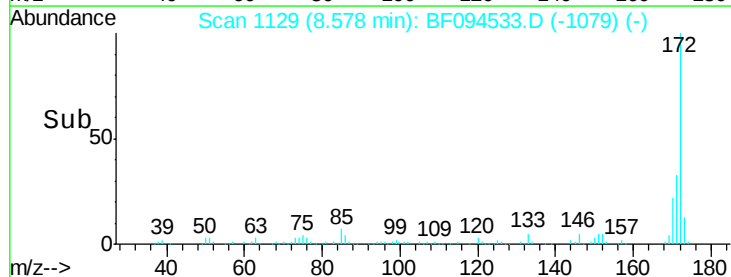
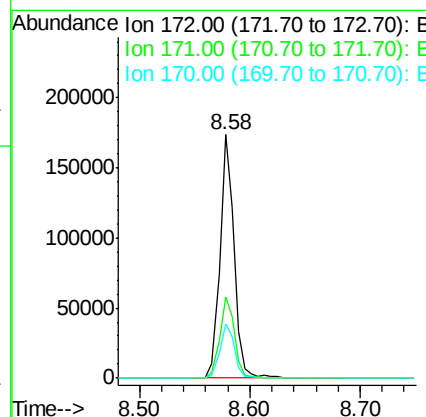
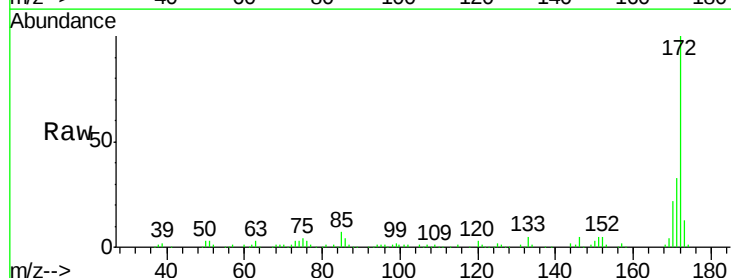
Instrument :
 BNA_F
 ClientSampleId :
 E2-V6-WSW

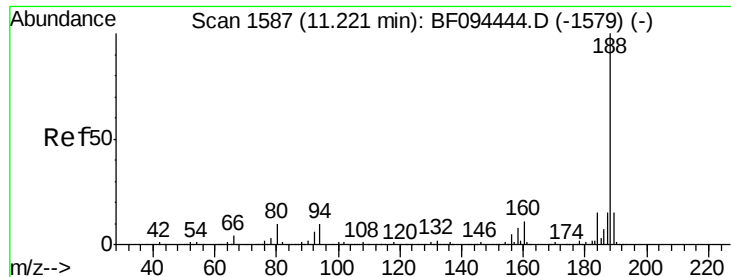
Tgt Ion: 330 Resp: 17625
 Ion Ratio Lower Upper
 330 100
 332 99.9 76.6 115.0
 141 45.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 11.26 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

Tgt Ion: 172 Resp: 152509
 Ion Ratio Lower Upper
 172 100
 171 33.4 29.6 44.4
 170 22.2 19.8 29.8

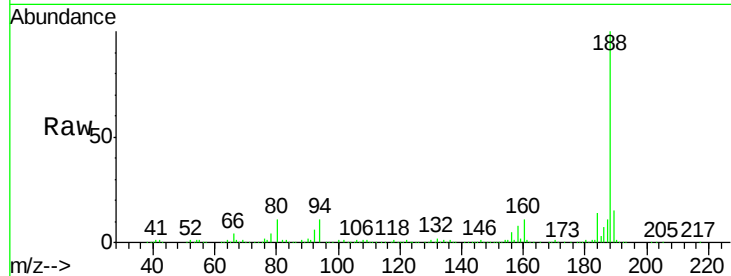




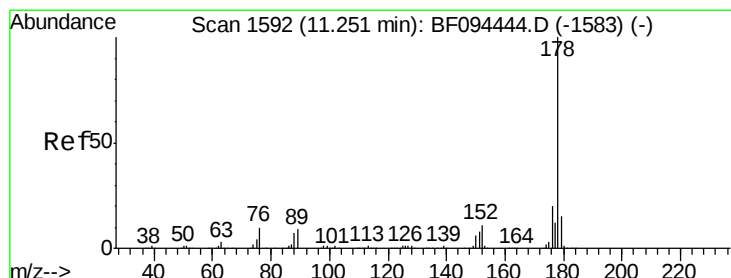
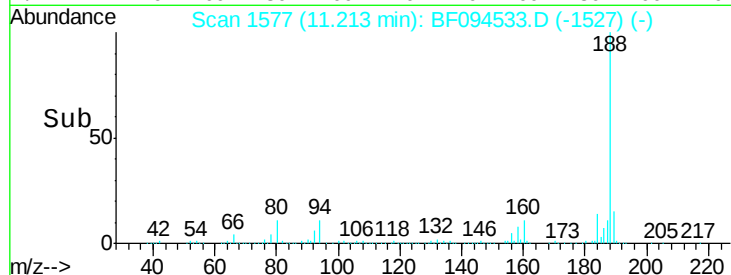
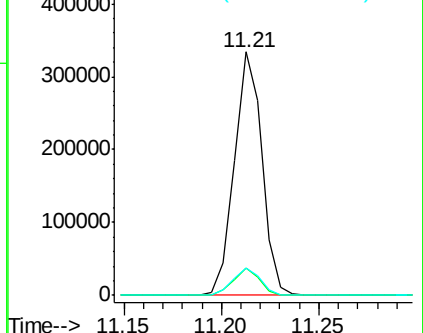
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094533.D
Acq: 19 Apr 2017 23:17

Instrument :
BNA_F
ClientSampleId :
E2-V6-WSW

Tgt Ion:188 Resp: 327092
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.1 10.2 15.2

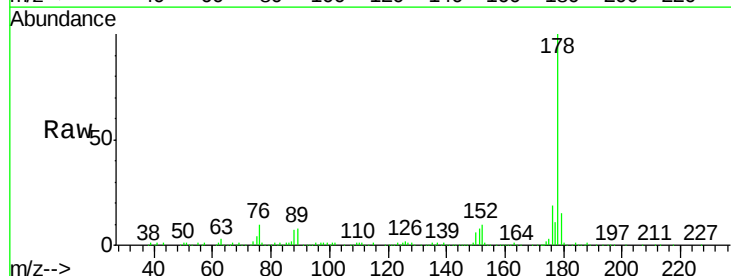


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

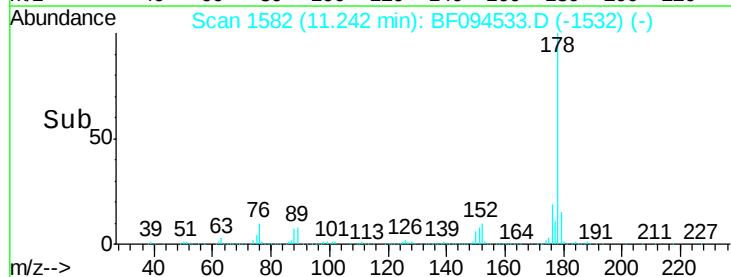
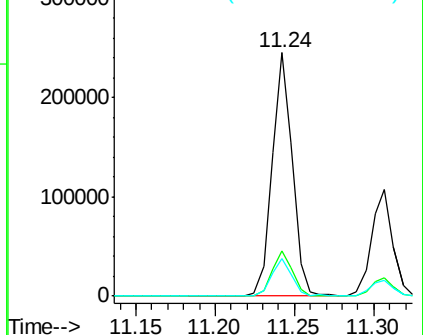


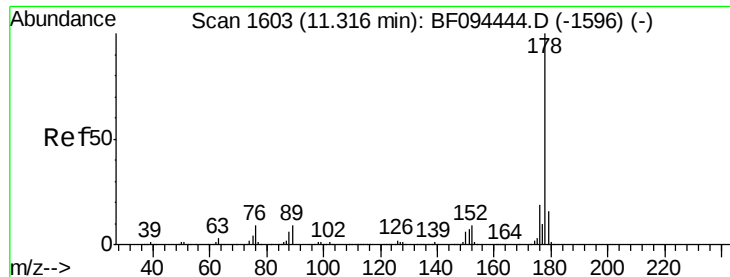
#70
Phenanthrene
Concen: 11.91 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094533.D
Acq: 19 Apr 2017 23:17

Tgt Ion:178 Resp: 219425
Ion Ratio Lower Upper
178 100
176 18.7 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

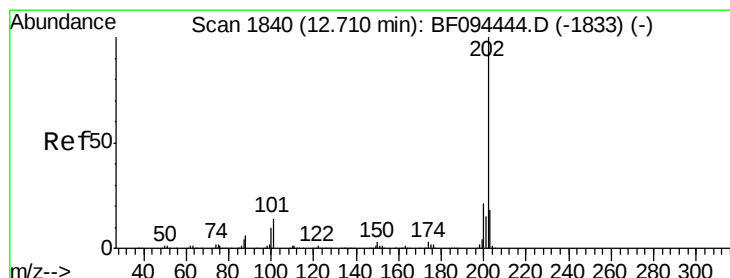
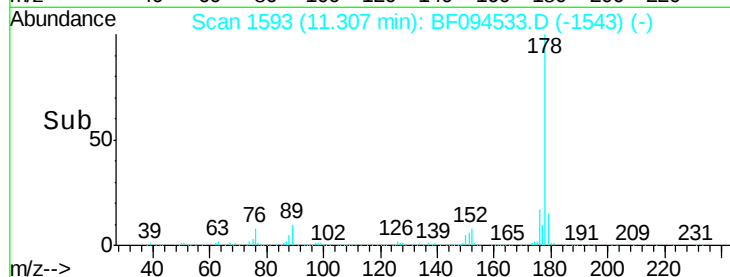
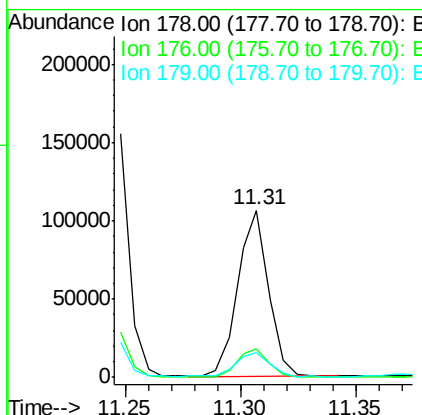
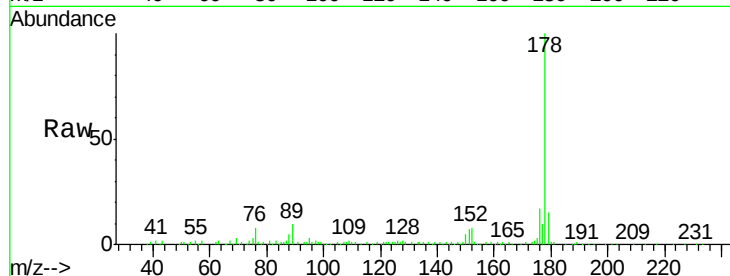




#71
 Anthracene
 Concen: 5.17 ng
 RT: 11.31 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

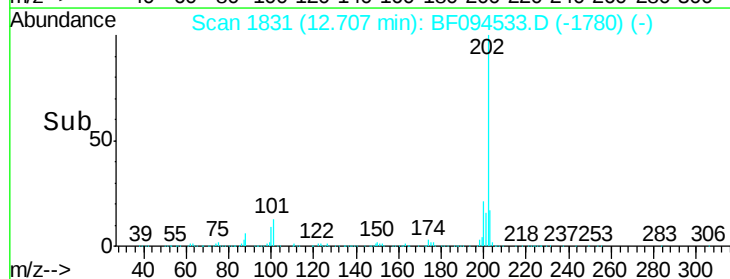
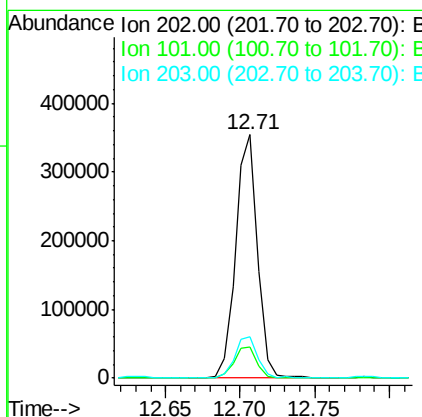
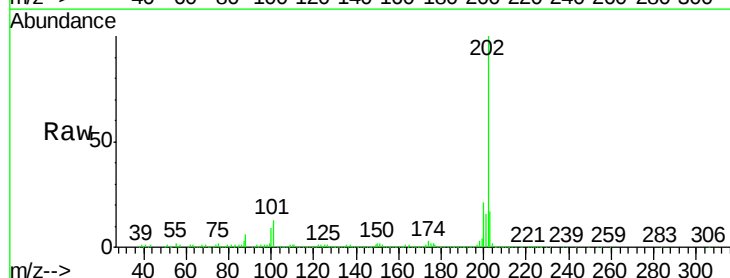
Instrument :
 BNA_F
 ClientSampleId :
 E2-V6-WSW

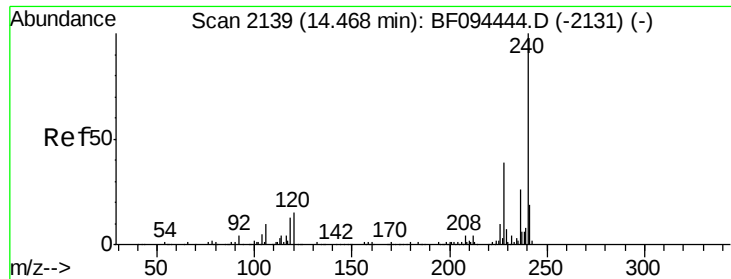
Tgt Ion:178 Resp: 98420
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.8 23.8
 179 14.6 12.7 19.1



#74
 Fluoranthene
 Concen: 18.86 ng
 RT: 12.71 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

Tgt Ion:202 Resp: 359957
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 33.2
 203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

Instrument :

BNA_F

ClientSampleId :

E2-V6-WSW

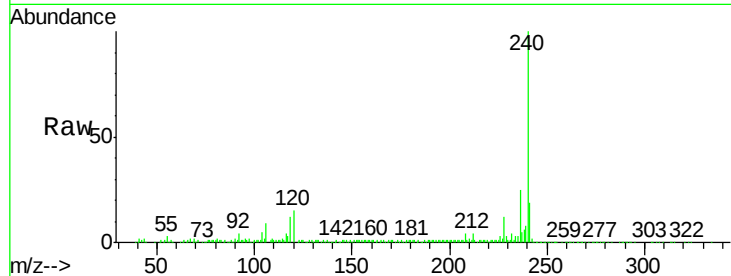
Tgt Ion:240 Resp: 261916

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

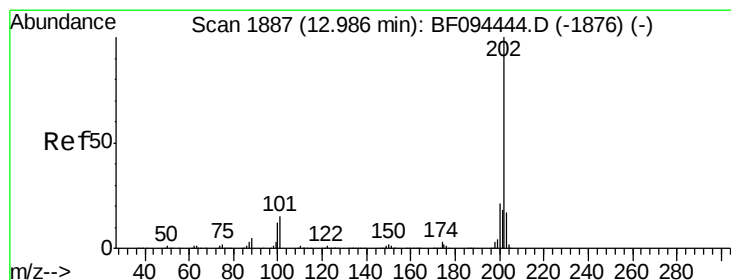
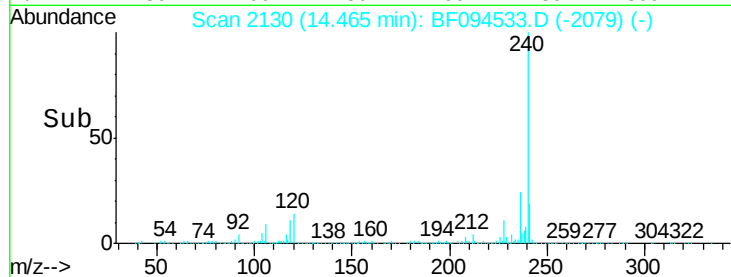
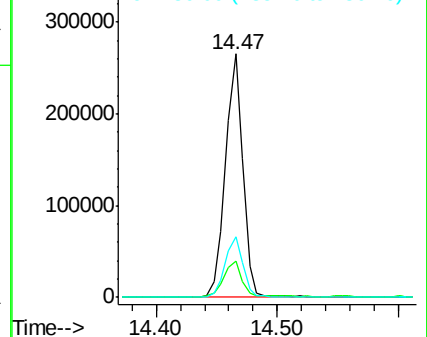
236 24.7 20.5 30.7



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



#77

Pyrene

Concen: 16.59 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

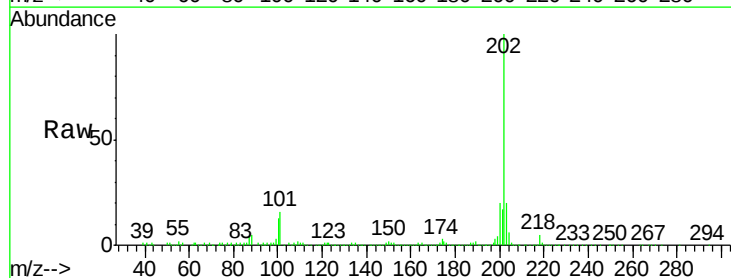
Tgt Ion:202 Resp: 303601

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

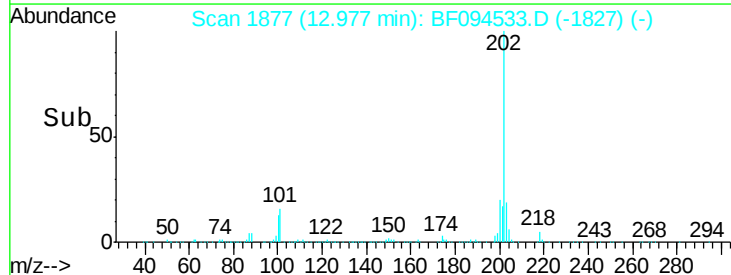
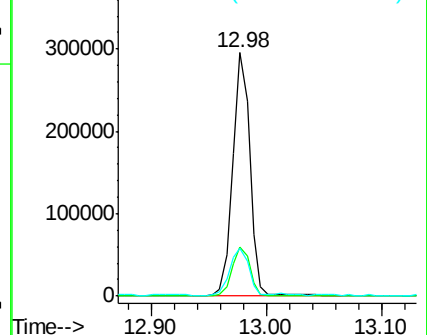
203 19.7 14.4 21.6

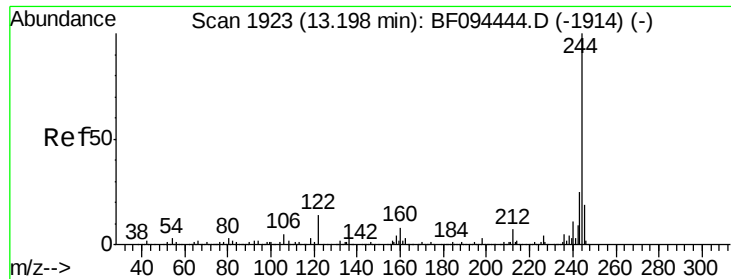


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

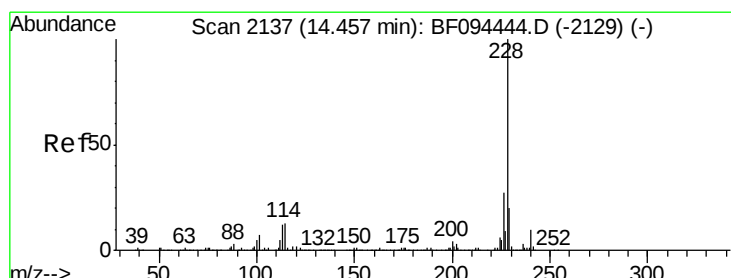
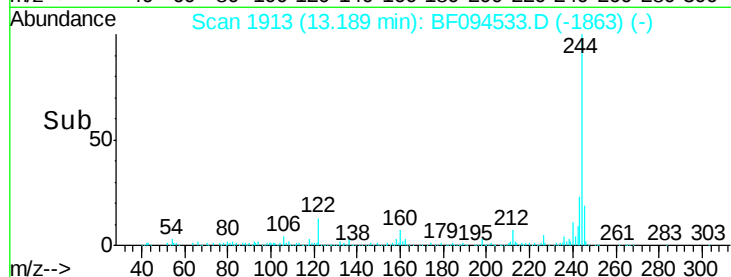
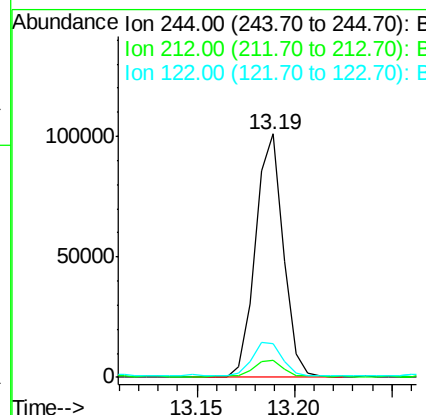
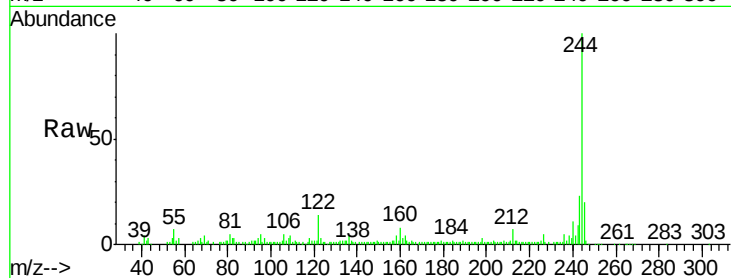




#78
 Terphenyl-d14
 Concen: 10.20 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

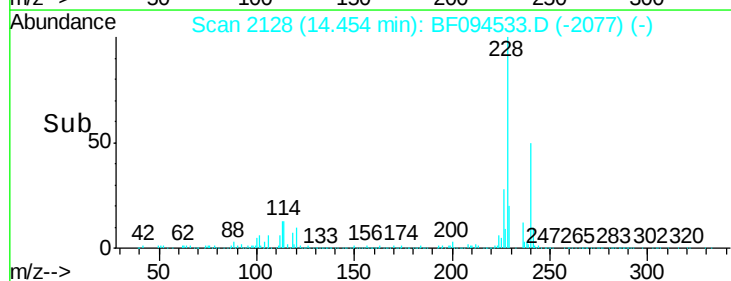
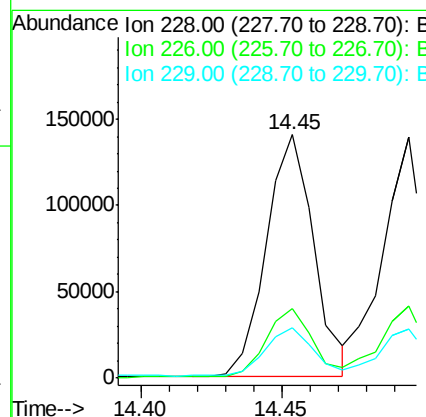
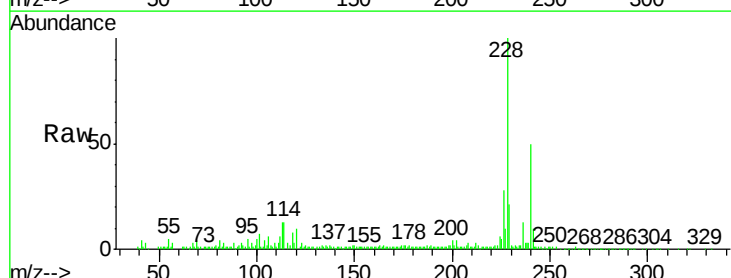
Instrument :
 BNA_F
 ClientSampled :
 E2-V6-WSW

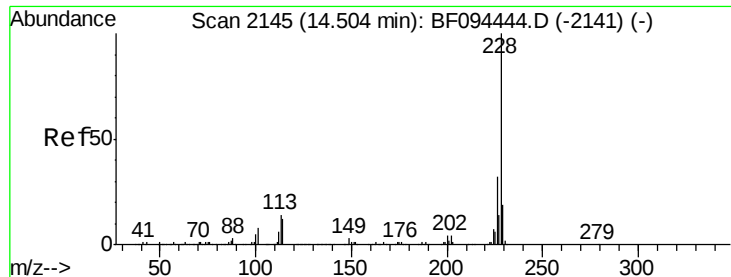
Tgt Ion:244 Resp: 99951
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 10.73 ng
 RT: 14.45 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BF094533.D
 Acq: 19 Apr 2017 23:17

Tgt Ion:228 Resp: 163373
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 20.6 16.3 24.5





#82

Chrysene

Concen: 10.56 ng

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

Instrument :

BNA_F

ClientSampleId :

E2-V6-WSW

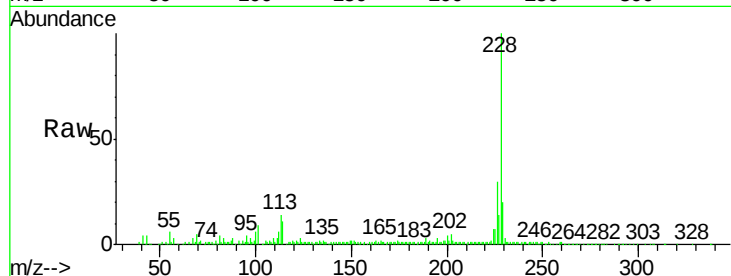
Tgt Ion:228 Resp: 146877

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

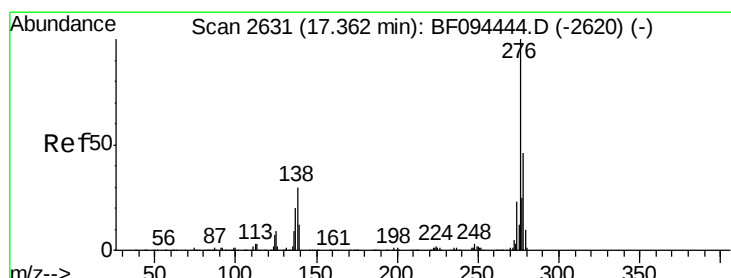
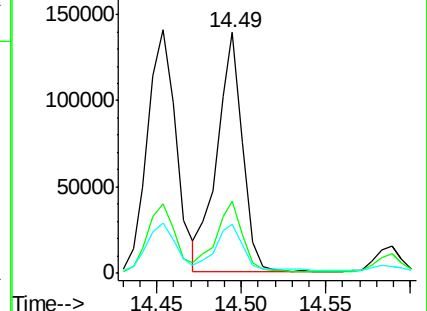
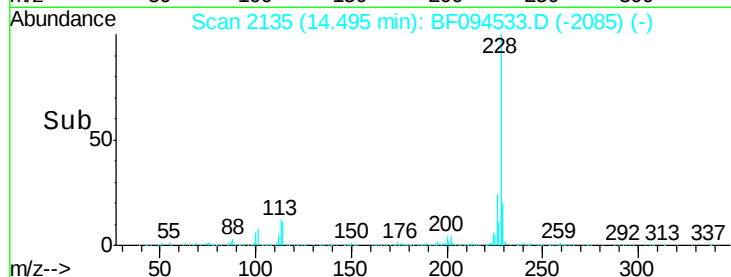
229 20.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.54 ng

RT: 17.37 min Scan# 2623

Delta R.T. 0.00 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

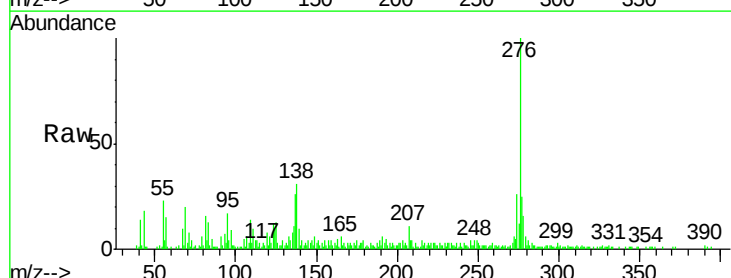
Tgt Ion:276 Resp: 73324

Ion Ratio Lower Upper

276 100

138 33.5 27.8 41.6

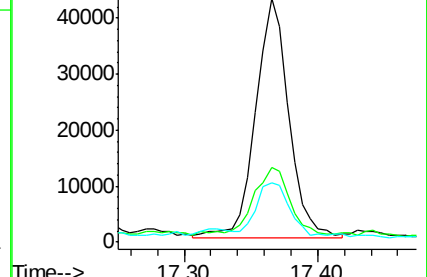
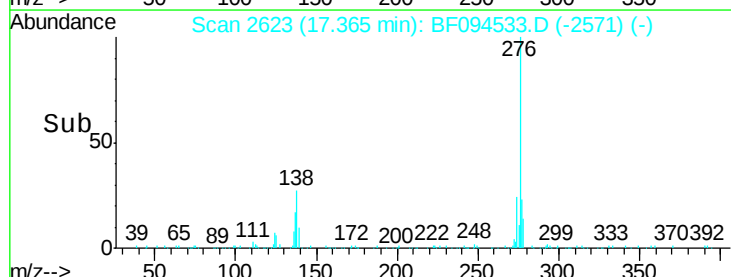
277 21.4 20.2 30.4

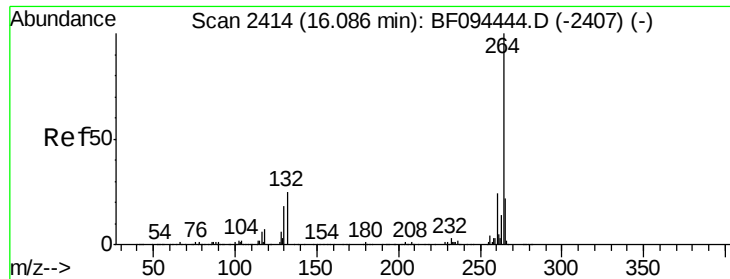


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



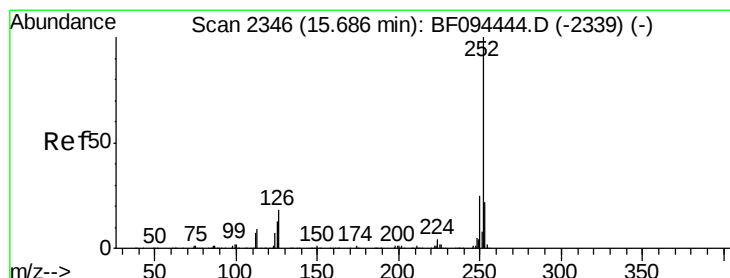
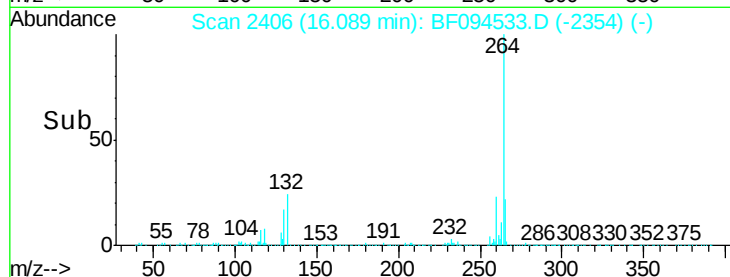
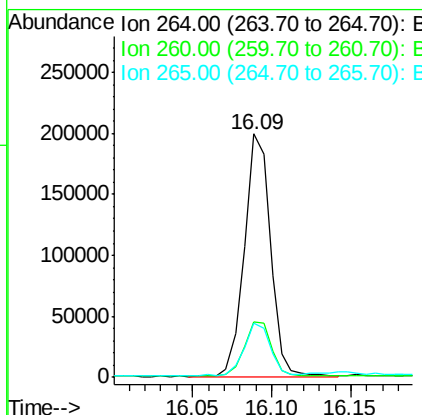
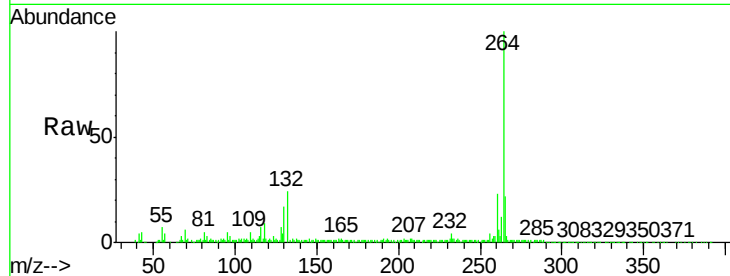


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094533.D
Acq: 19 Apr 2017 23:17

Instrument :
BNA_F
ClientSampleId :
E2-V6-WSW

Tgt Ion: 264 Resp: 226775

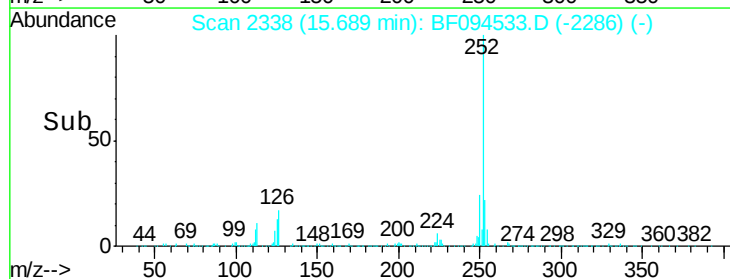
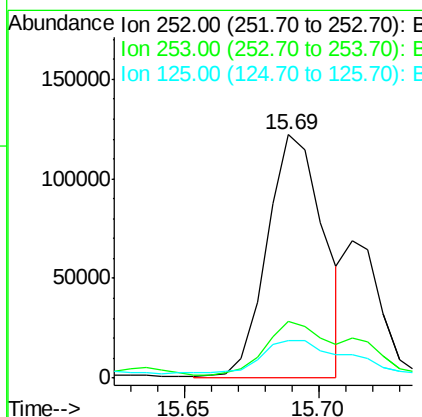
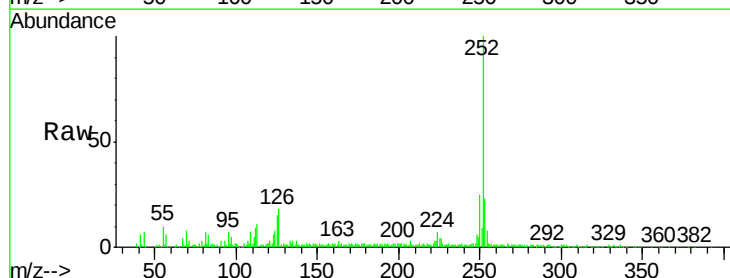
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.5	17.2	25.8

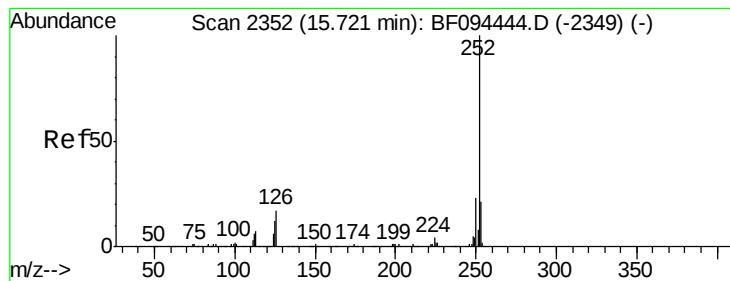


#87
Benzo(b)fluoranthene
Concen: 12.97 ng m
RT: 15.69 min Scan# 2338
Delta R.T. 0.00 min
Lab File: BF094533.D
Acq: 19 Apr 2017 23:17

Tgt Ion: 252 Resp: 179899

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.2	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 5.09 ng m

RT: 15.71 min Scan# 2342

Delta R.T. -0.01 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

Instrument :

BNA_F

ClientSampleId :

E2-V6-WSW

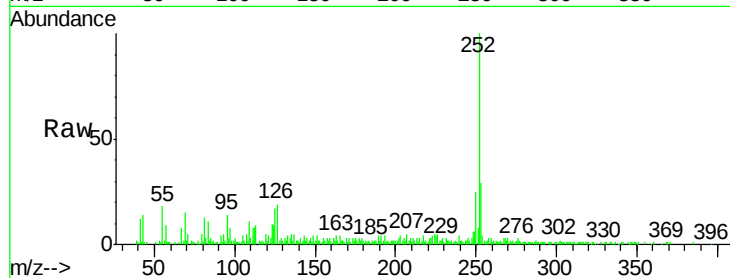
Tgt Ion:252 Resp: 66767

Ion Ratio Lower Upper

252 100

253 29.3 18.4 27.6#

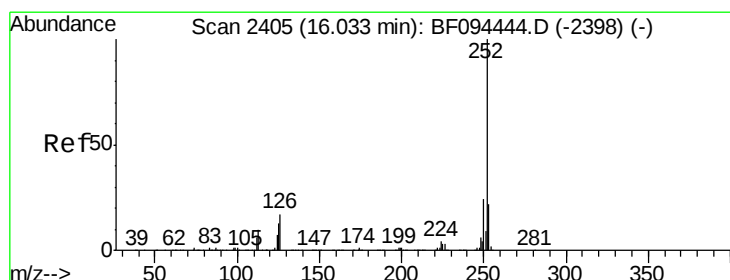
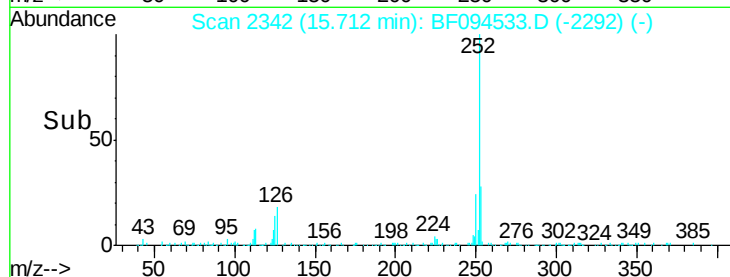
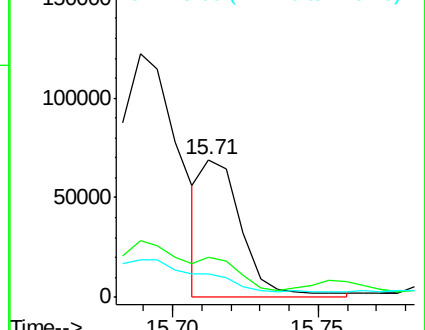
125 17.3 13.1 19.7



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: 10.19 ng

RT: 16.03 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

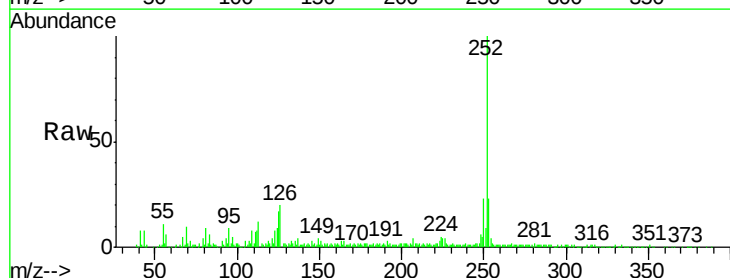
Tgt Ion:252 Resp: 131469

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

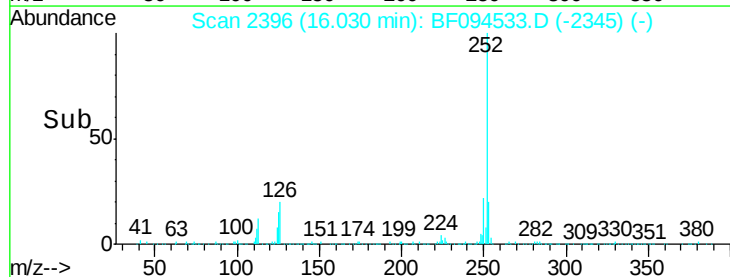
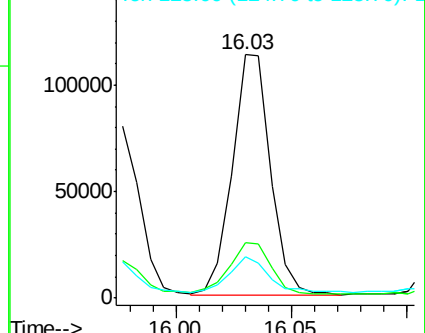
125 16.9 11.0 16.4#

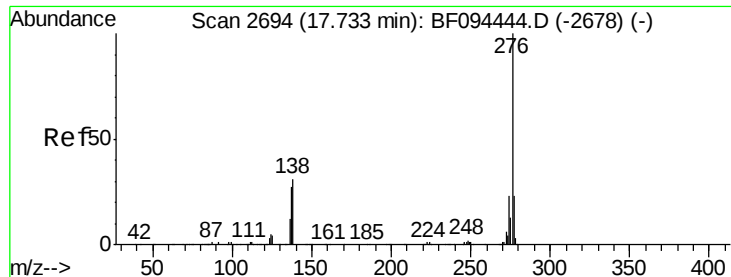


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.00 ng

RT: 17.74 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BF094533.D

Acq: 19 Apr 2017 23:17

Instrument :

BNA_F

ClientSampleId :

E2-V6-WSW

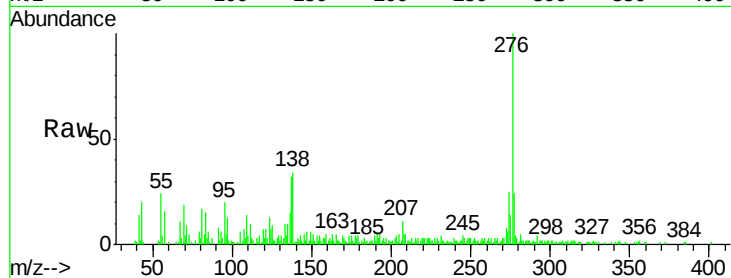
Tgt Ion: 276 Resp: 65409

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 33.9 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

