

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093211.D
 Acq On : 15 Jun 2017 16:51
 Operator : SJ/MA
 Sample : I3522-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:43:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 04:43:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2783	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14669	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	9009	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	21640	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	22307	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	18385	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1295	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	3482	0.06	ng/ul	0.00

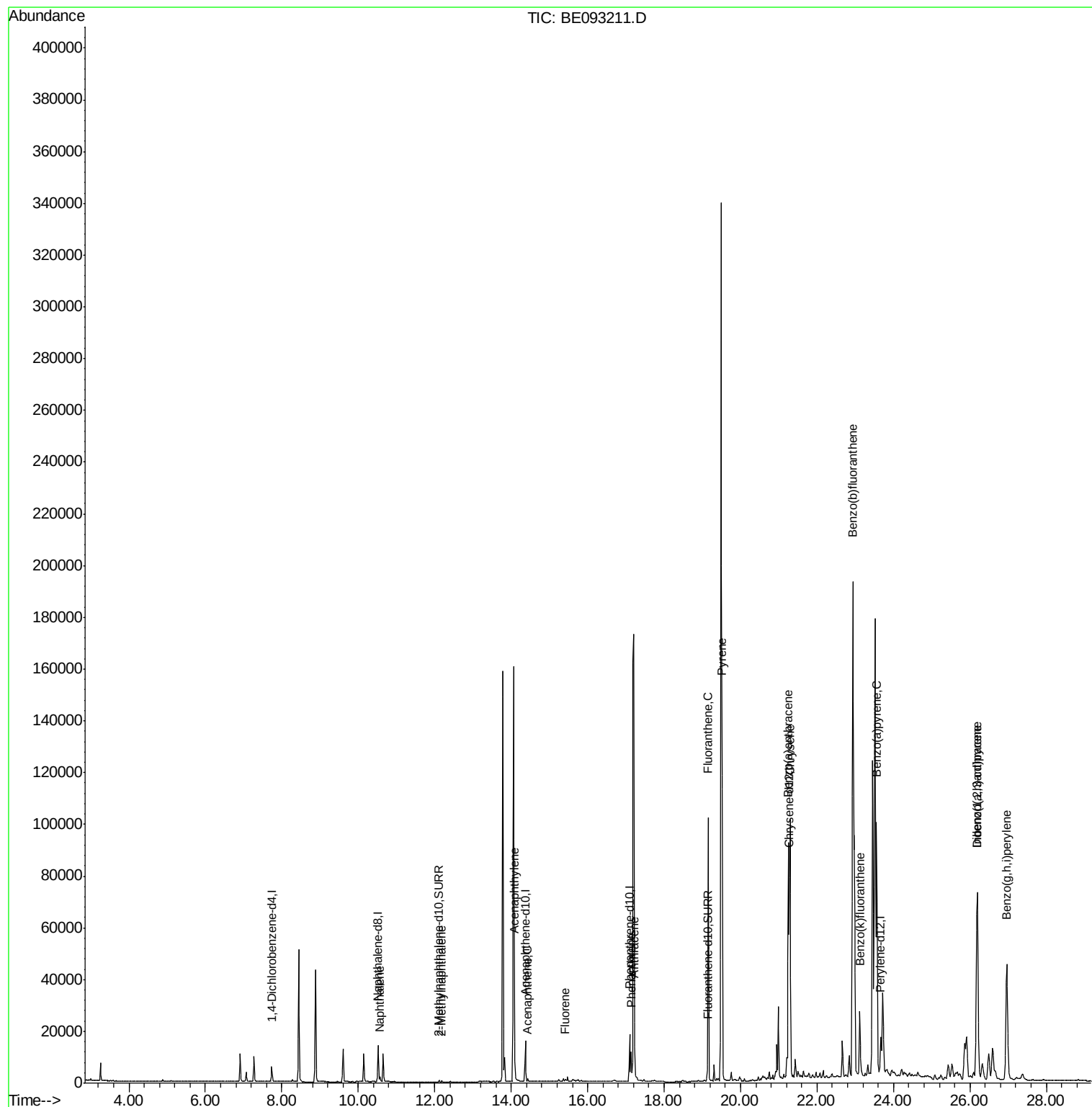
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	2743	0.08	ng/ul#	95
5) 2-Methylnaphthalene	12.18	142	623	0.03	ng/ul	97
7) Acenaphthylene	14.09	152	21152	0.55	ng/ul	96
8) Acenaphthene	14.43	153	573	0.02	ng/ul#	88
9) Fluorene	15.42	166	736	0.02	ng/ul#	85
12) Phenanthrene	17.14	178	12324	0.21	ng/ul#	87
13) Anthracene	17.22	178	23755	0.46	ng/ul#	87
15) Fluoranthene	19.16	202	106406	1.46	ng/ul	83
17) Pyrene	19.52	202	139832	2.13	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	76080	1.28	ng/ul#	84
19) Chrysene	21.29	228	132020	2.14	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	436948	7.83	ng/ul	86
22) Benzo(k)fluoranthene	23.12	252	31265	0.53	ng/ul	98
23) Benzo(a)pyrene	23.56	252	137567	2.61	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.19	276	124827	2.04	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	33307	0.65	ng/ul	92
26) Benzo(a,h,i)perylene	26.97	276	93003	1.78	ng/ul	98

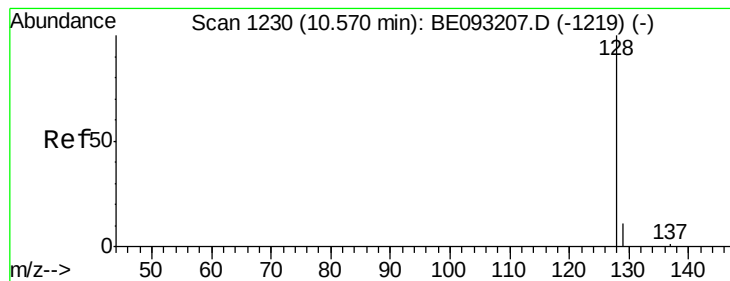
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093211.D
Acq On : 15 Jun 2017 16:51
Operator : SJ/MA
Sample : I3522-01DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jun 16 04:43:39 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

Instrument :

BNA_E

ClientSampleId :

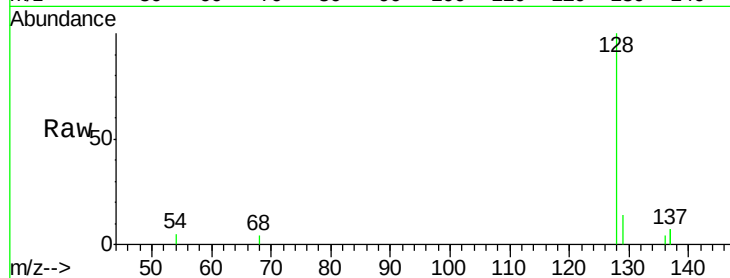
Tot Ion:128 Resp: 2743

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

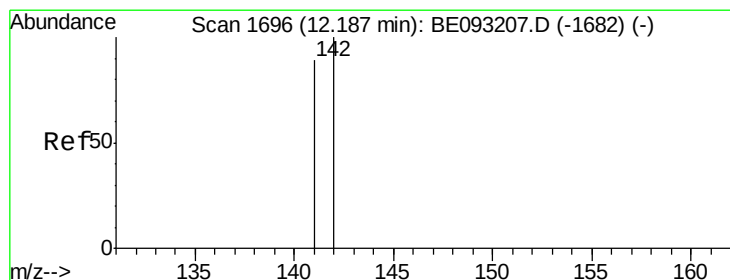
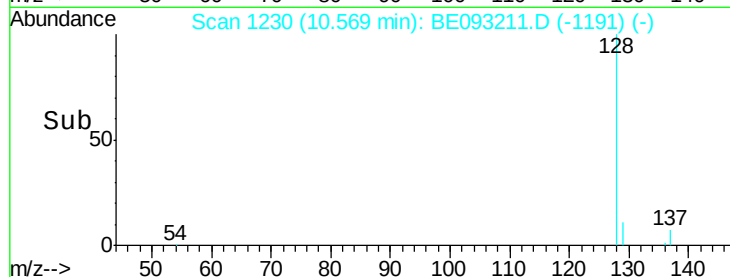
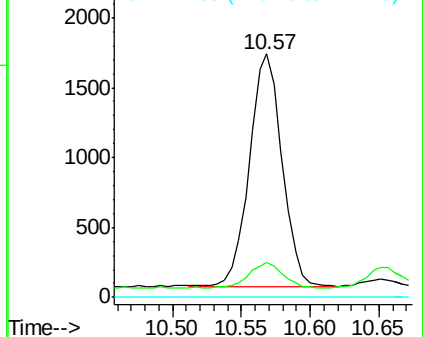
127 0.0 4.0 6.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093211.D

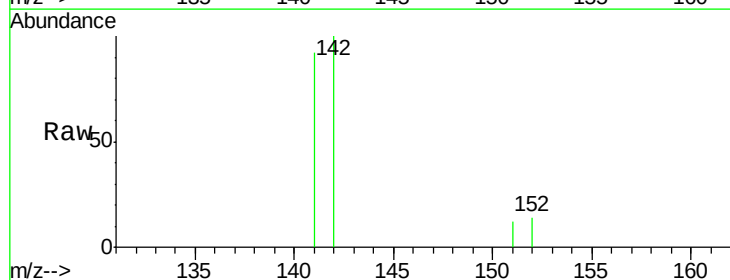
Acq: 15 Jun 2017 16:51

Tgt Ion:142 Resp: 623

Ion Ratio Lower Upper

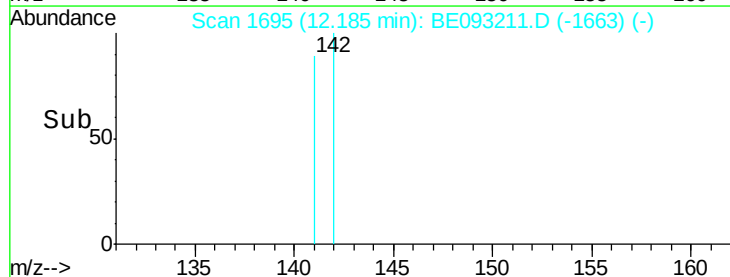
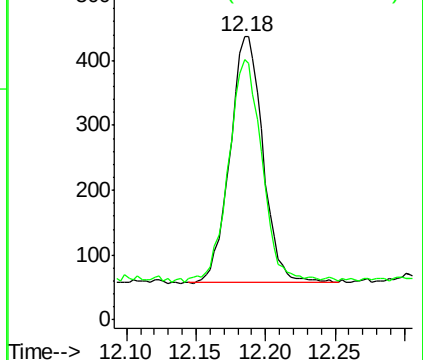
142 100

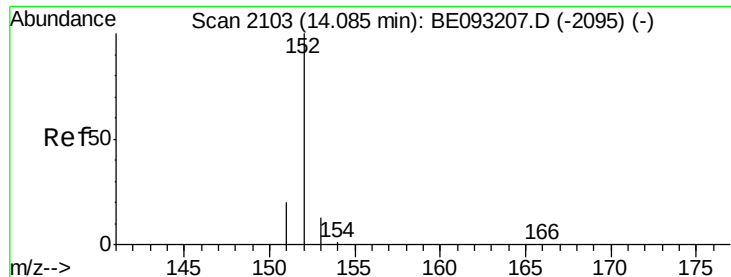
141 93.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.55 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

Instrument :

BNA_E

ClientSampleId :

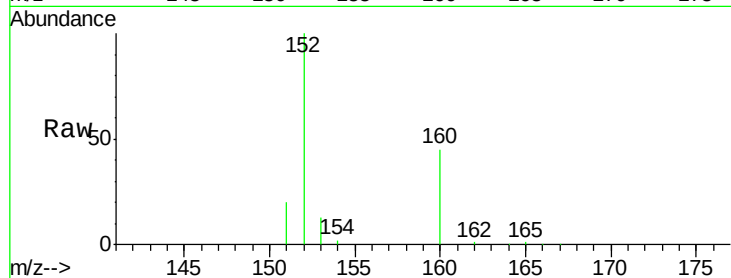
Tot Ion:152 Resp: 21152

Ion Ratio Lower Upper

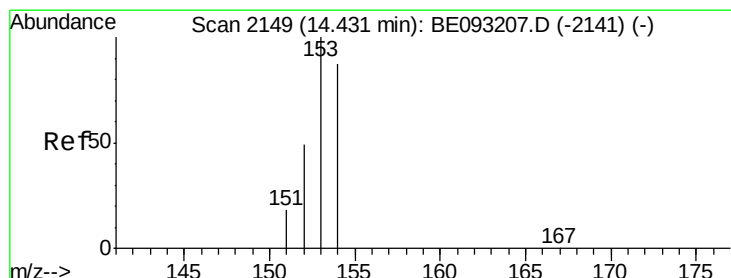
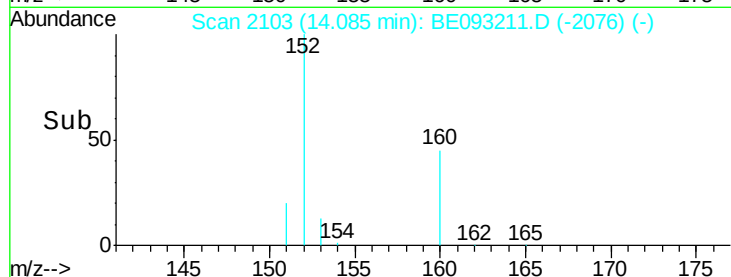
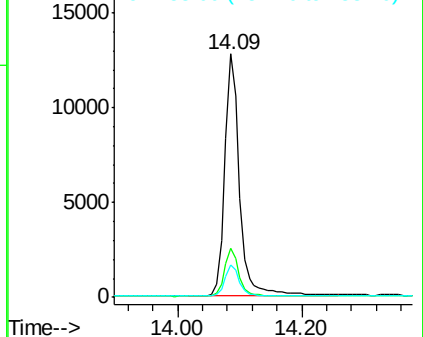
152 100

151 20.2 17.1 25.7

153 13.4 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

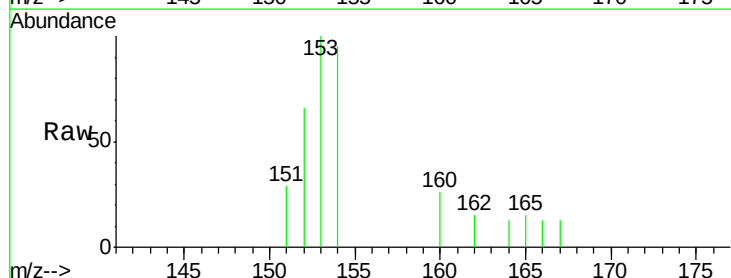
Tgt Ion:153 Resp: 573

Ion Ratio Lower Upper

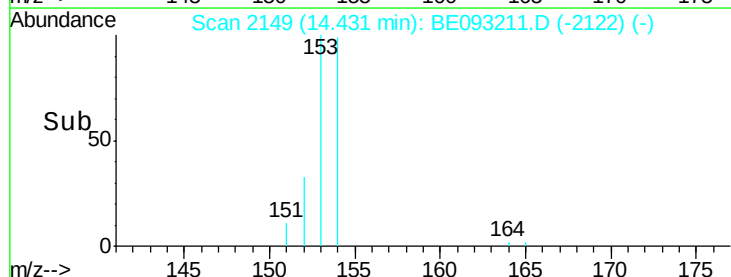
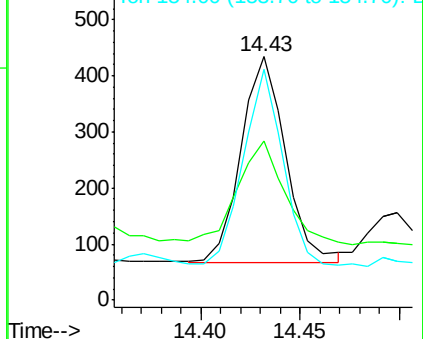
153 100

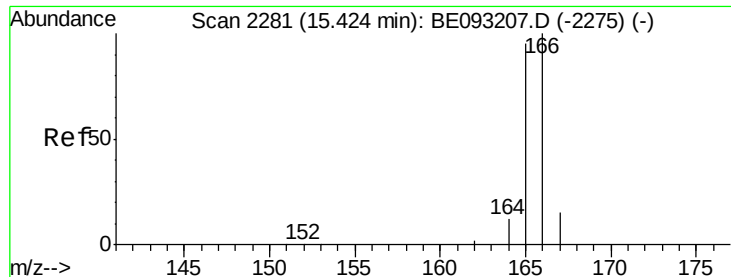
152 65.7 40.3 60.5#

154 94.7 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.02 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

Instrument :

BNA_E

ClientSampleId :

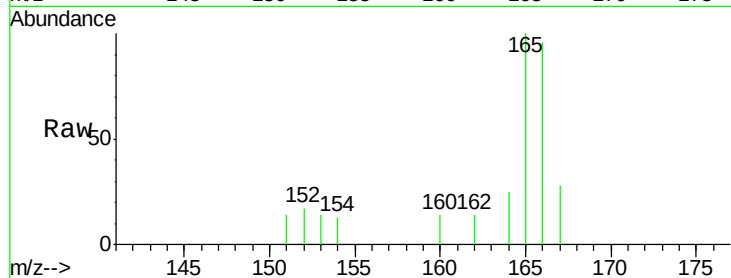
Tot Ion:166 Resp: 736

Ion Ratio Lower Upper

166 100

165 104.2 73.4 110.2

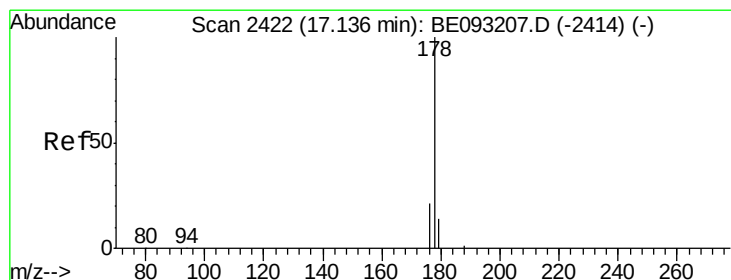
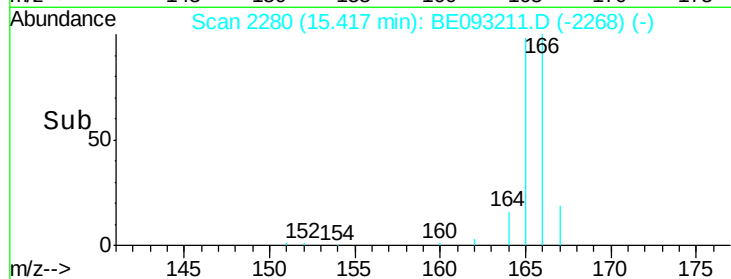
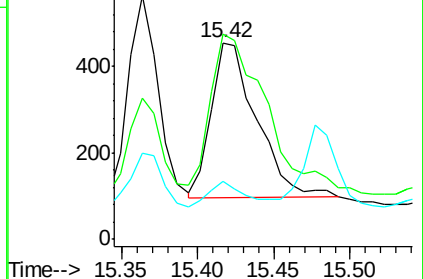
167 29.2 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.21 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

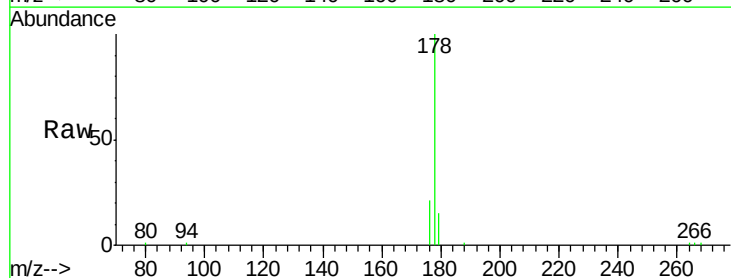
Tgt Ion:178 Resp: 12324

Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

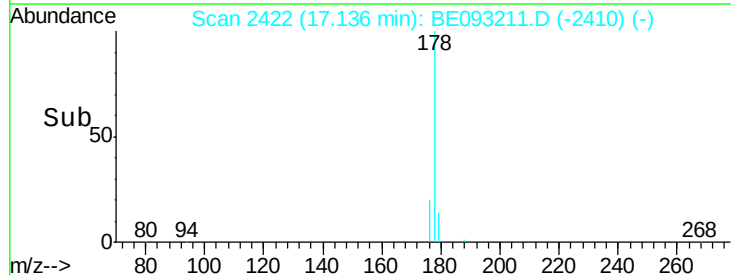
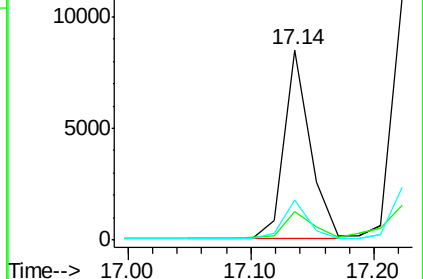
176 20.9 13.6 20.4#

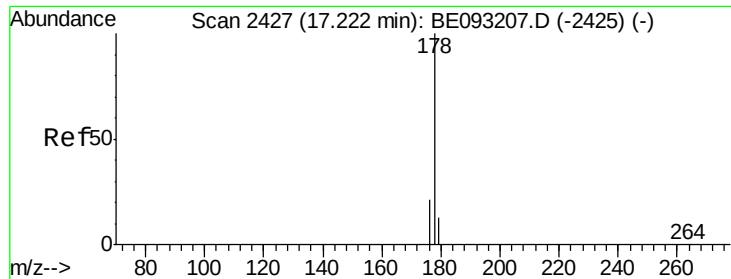


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.46 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

Instrument :

BNA_E

ClientSampleId :

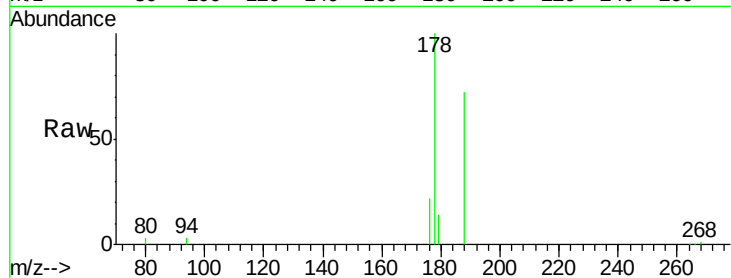
Tot Ion:178 Resp: 23755

Ion Ratio Lower Upper

178 100

179 14.1 18.1 27.1#

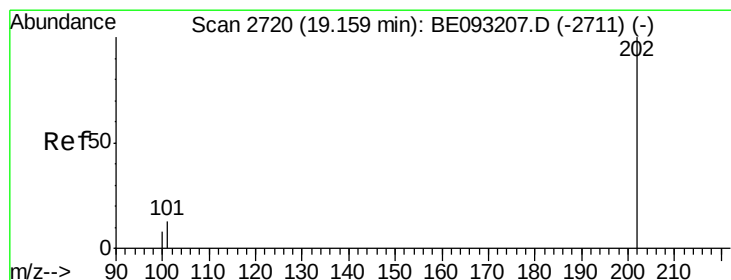
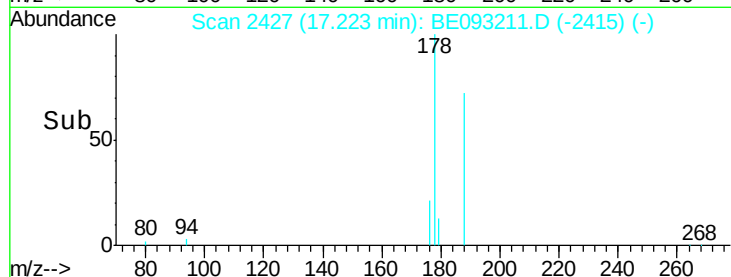
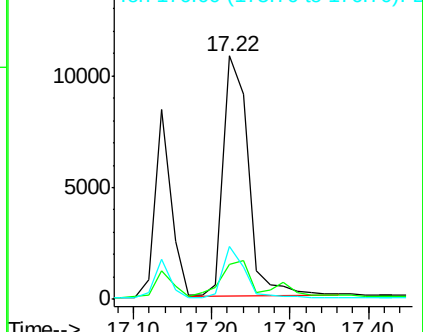
176 21.8 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 1.46 ng/ul

RT: 19.16 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

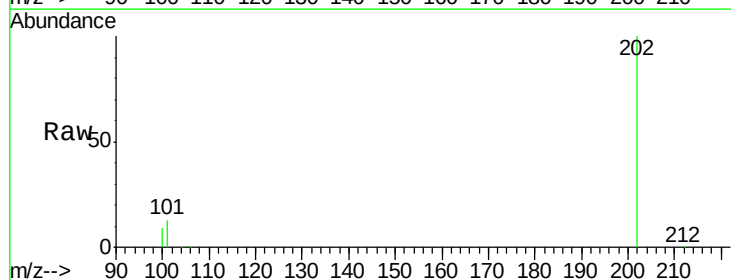
Tgt Ion:202 Resp: 106406

Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.3

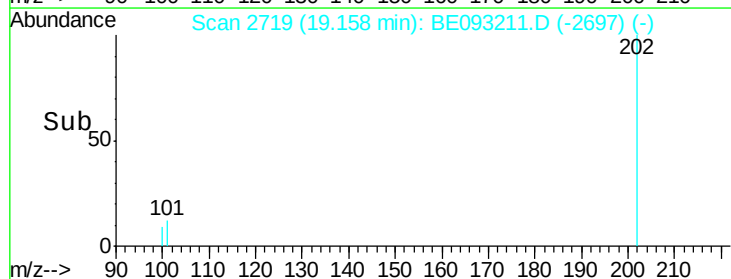
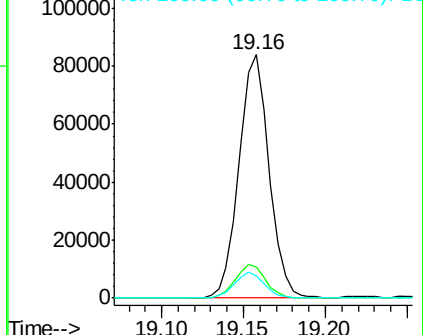
100 9.1 0.0 39.5

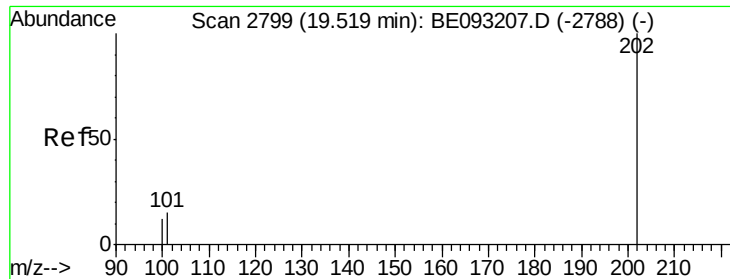


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

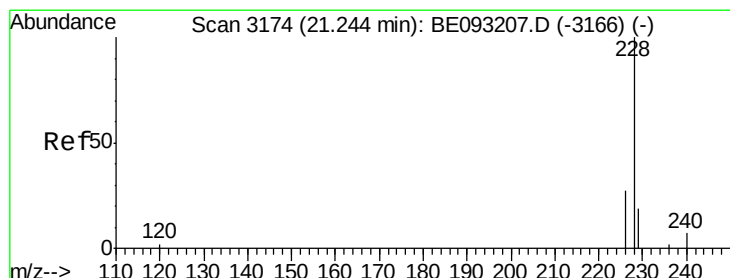
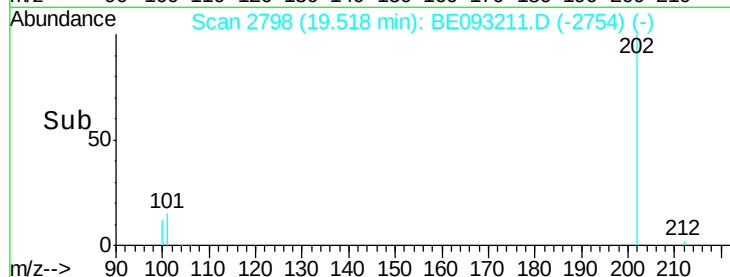
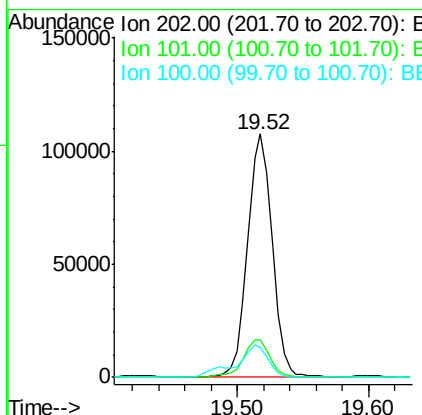
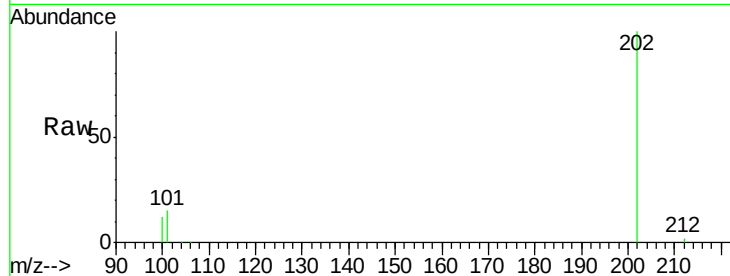




#17
Pvrene
Concen: 2.13 ng/ul
RT: 19.52 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093211.D
Acq: 15 Jun 2017 16:51

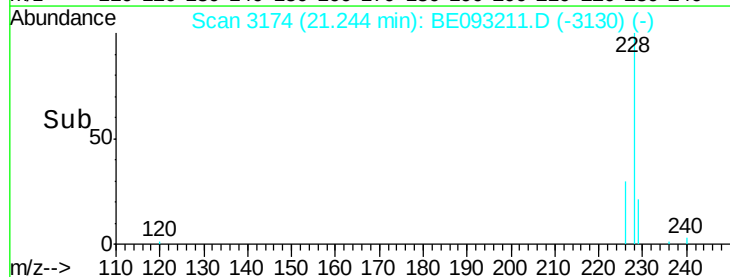
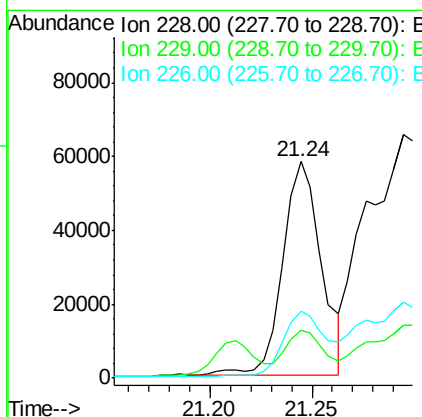
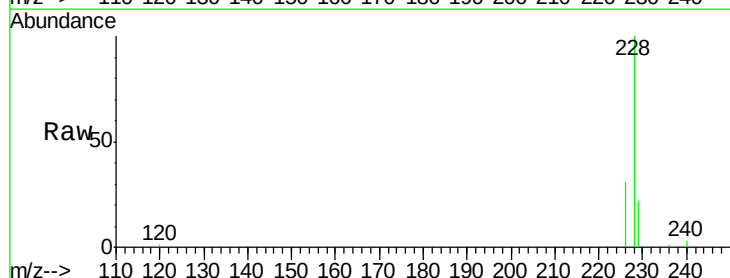
Instrument :
BNA_E
ClientSampled :

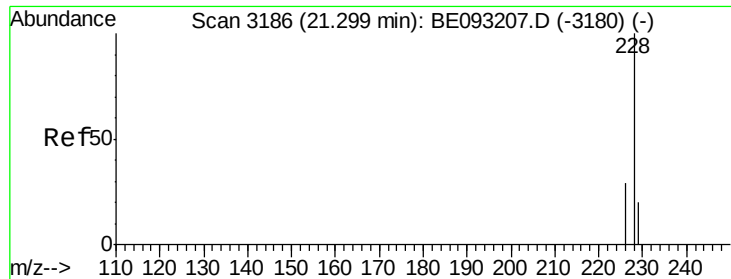
Tot Ion:202 Resp: 139832
Ion Ratio Lower Upper
202 100
101 15.3 18.2 27.4#
100 12.2 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 1.28 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE093211.D
Acq: 15 Jun 2017 16:51

Tgt Ion:228 Resp: 76080
Ion Ratio Lower Upper
228 100
229 22.0 22.8 34.2#
226 31.0 17.0 25.6#





#19

Chrysene

Concen: 2.14 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

Instrument :

BNA_E

ClientSampleId :

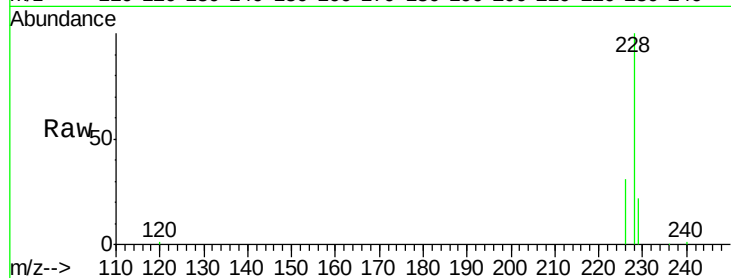
Tot Ion:228 Resp: 132020

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

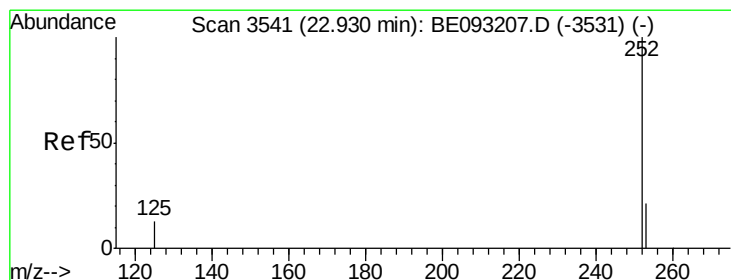
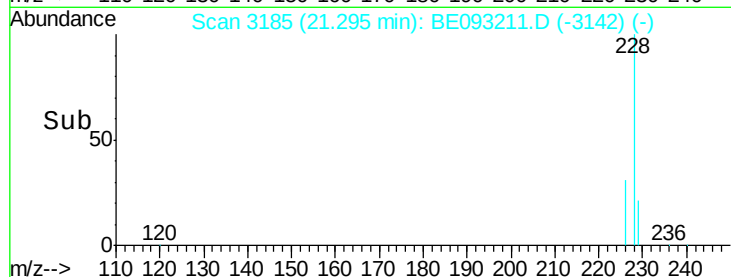
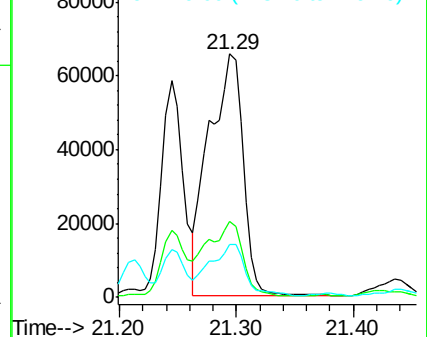
229 21.6 17.7 26.5



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



#21

Benzo(b)fluoranthene

Concen: 7.83 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

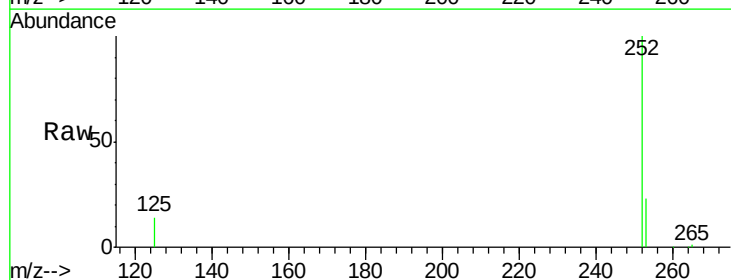
Tgt Ion:252 Resp: 436948

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

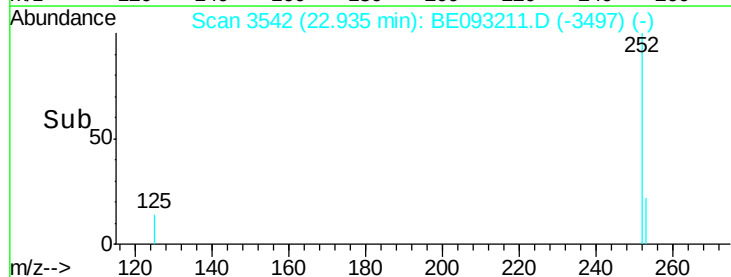
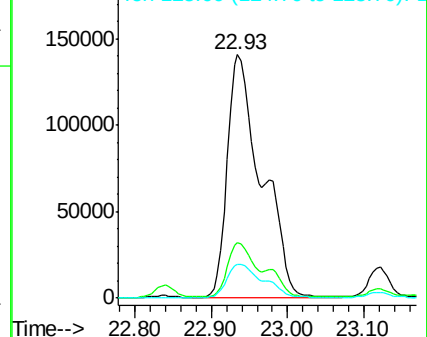
125 14.0 0.0 35.0

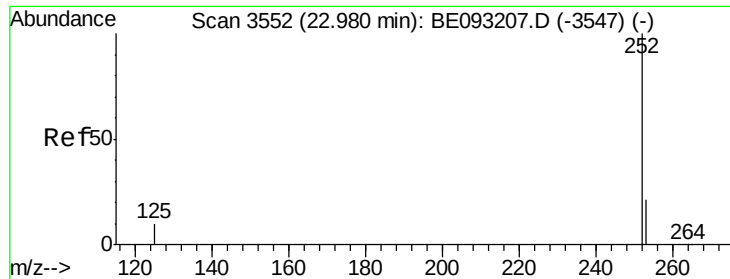


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.53 ng/ul

RT: 23.12 min Scan# 3583

Delta R.T. 0.14 min

Lab File: BE093211.D

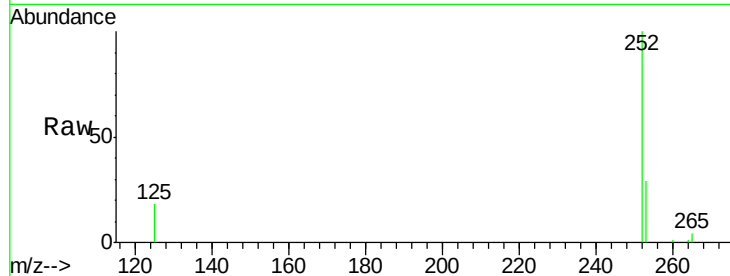
Acq: 15 Jun 2017 16:51

Instrument :

BNA_E

ClientSampleId :

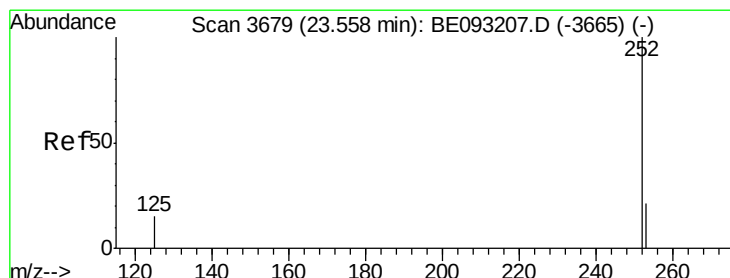
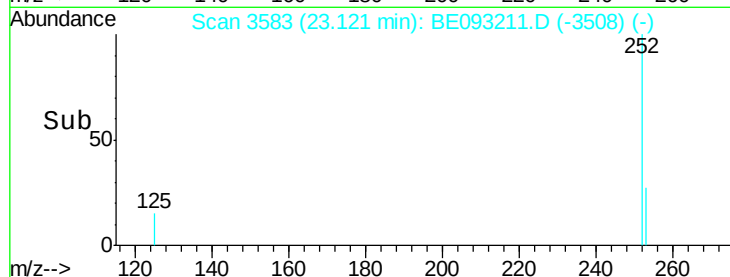
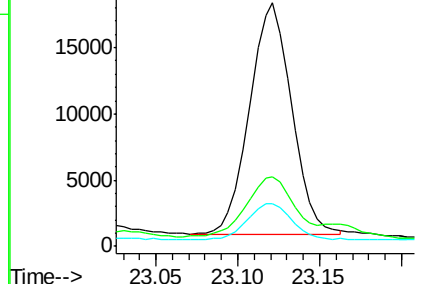
Tot Ion:	252	Resp:	31265
Ion	Ratio	Lower	Upper
252	100		
253	28.8	24.5	36.7
125	17.5	13.7	20.5



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



#23

Benzo(a)pyrene

Concen: 2.61 ng/ul

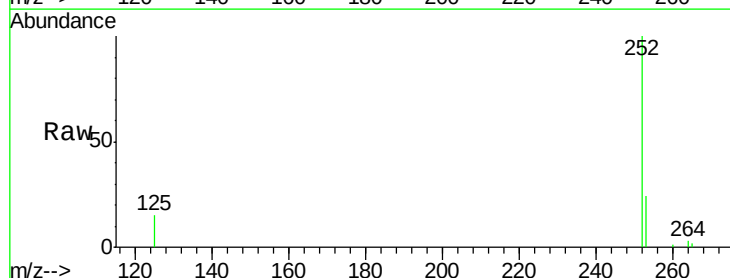
RT: 23.56 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093211.D

Acq: 15 Jun 2017 16:51

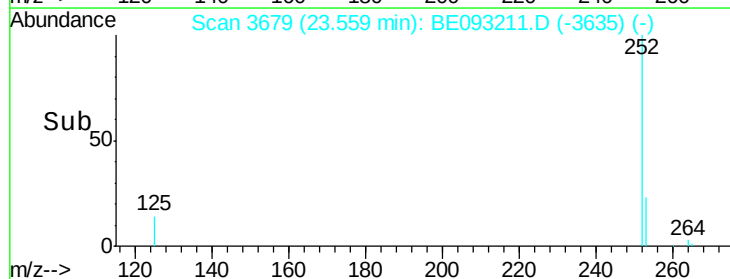
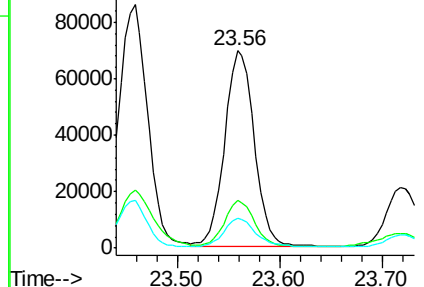
Tgt Ion:	252	Resp:	137567
Ion	Ratio	Lower	Upper
252	100		
253	23.9	28.5	42.7#
125	14.9	18.1	27.1#

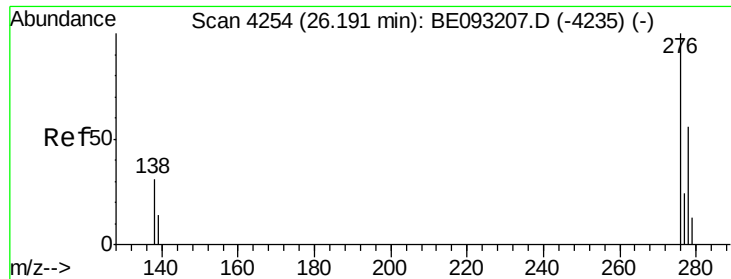


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



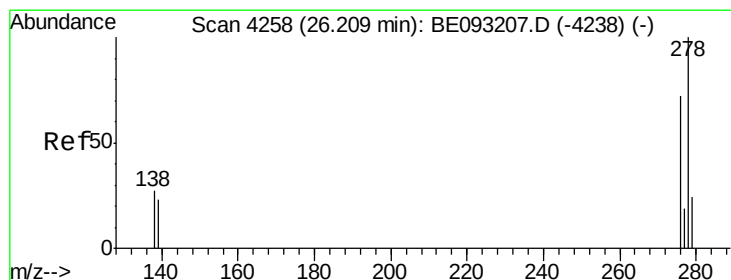
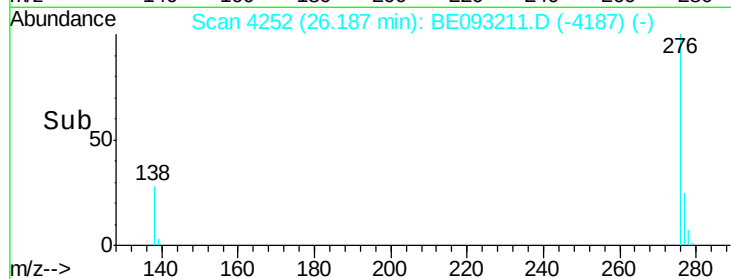
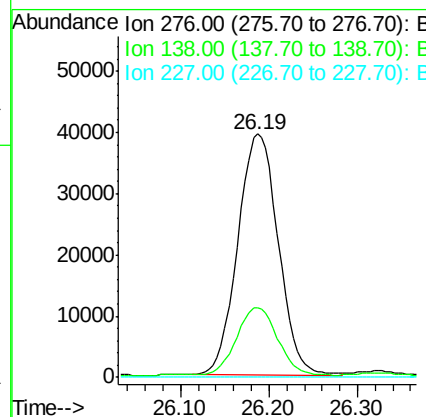
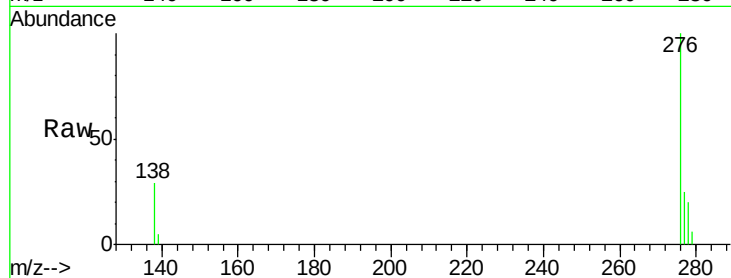


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.04 ng/ul
RT: 26.19 min Scan# 4252
Delta R.T. -0.00 min
Lab File: BE093211.D
Acq: 15 Jun 2017 16:51

Instrument :
BNA_E
ClientSampleId :

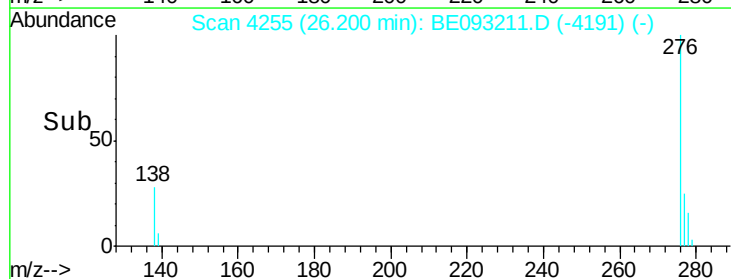
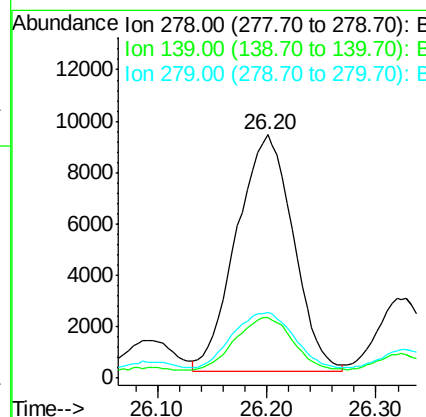
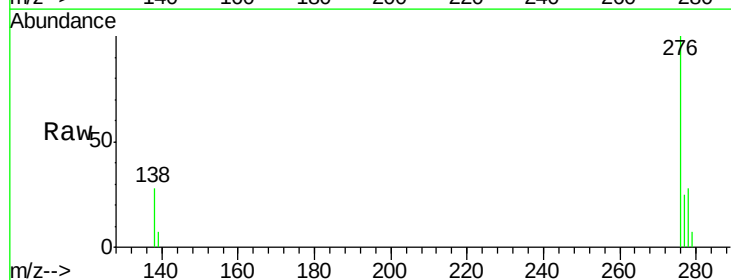
Tot Ion:276 Resp: 124827
Ion Ratio Lower Upper
276 100
138 28.7 28.0 42.0
227 0.0 8.0 12.0#

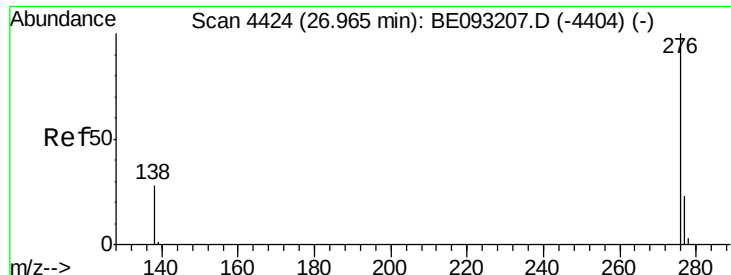


#25

Dibenzo(a,h)anthracene
Concen: 0.65 ng/ul
RT: 26.20 min Scan# 4255
Delta R.T. -0.01 min
Lab File: BE093211.D
Acq: 15 Jun 2017 16:51

Tgt Ion:278 Resp: 33307
Ion Ratio Lower Upper
278 100
139 25.1 17.4 26.0
279 27.2 25.9 38.9

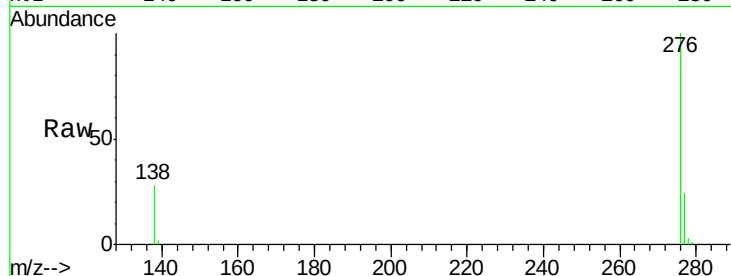




#26
 Benzo(a,h,i)perylene
 Concen: 1.78 ng/ul
 RT: 26.97 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: BE093211.D
 Acq: 15 Jun 2017 16:51

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.8	32.8
277	24.0	20.5	30.7



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

