

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061917\
 Data File : BE093271.D
 Acq On : 20 Jun 2017 3:48
 Operator : SJ/MA
 Sample : I3599-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 20 08:51:21 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2528	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13298	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8440	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19315	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	18794	0.40	ng/ul	0.01
20) Perylene-d12	23.53	264	791663	0.40	ng/ul	-0.13

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4569	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	11343	0.22	ng/ul	0.00

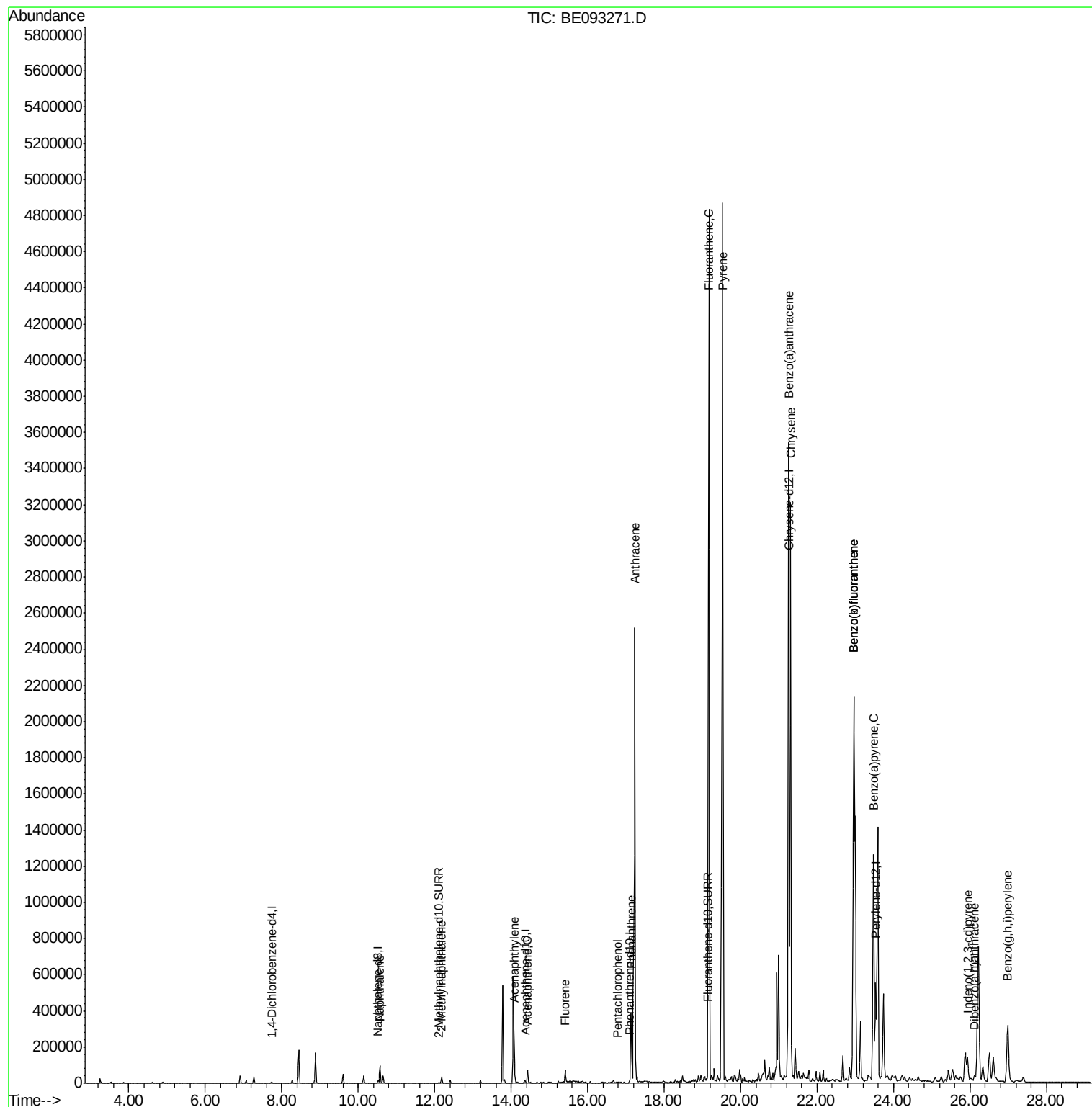
Target Compounds				Ovalue		
3) Naphthalene	10.56	128	143593	4.35	ng/ul#	90
5) 2-Methylnaphthalene	12.18	142	30556	1.35	ng/ul	98
7) Acenaphthylene	14.09	152	197990	5.47	ng/ul	95
8) Acenaphthene	14.42	153	43092	1.47	ng/ul	98
9) Fluorene	15.42	166	43378	1.27	ng/ul	94
11) Pentachlorophenol	16.77	266	34	0.01	ng/ul#	68
12) Phenanthrene	17.13	178	430044	8.09	ng/ul#	87
13) Anthracene	17.24	178	2967279	64.13	ng/ul#	94
15) Fluoranthene	19.17	202	6080101	93.29	ng/ul	84
17) Pyrene	19.54	202	6121191	110.44	ng/ul#	89
18) Benzo(a)anthracene	21.26	228	3429029	68.40	ng/ul#	84
19) Chrysene	21.31	228	3664957	70.48	ng/ul	95
21) Benzo(b)fluoranthene	22.96	252	3796753	1.58	ng/ul	88
22) Benzo(k)fluoranthene	22.96	252	5741770	2.25	ng/ul#	90
23) Benzo(a)pyrene	23.48	252	1908017	0.84	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.93	276	182705	0.07	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.12	278	41215	0.02	ng/ul	95
26) Benzo(g,h,i)perylene	26.99	276	708564	0.31	ng/ul	96

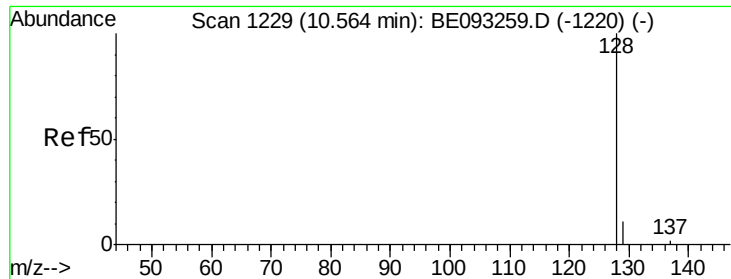
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 4.35 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

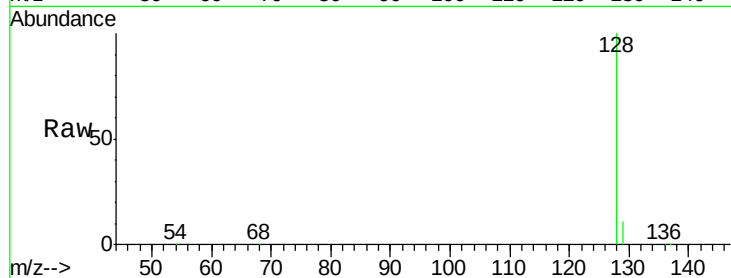
Tot Ion:128 Resp: 143593

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

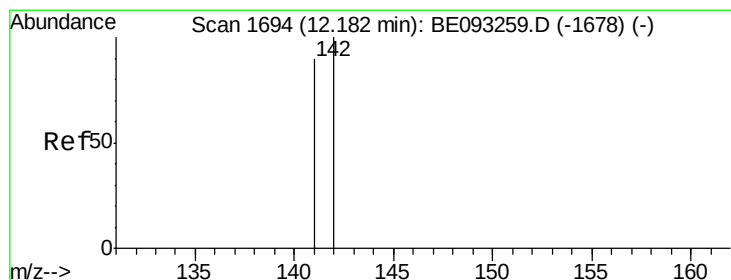
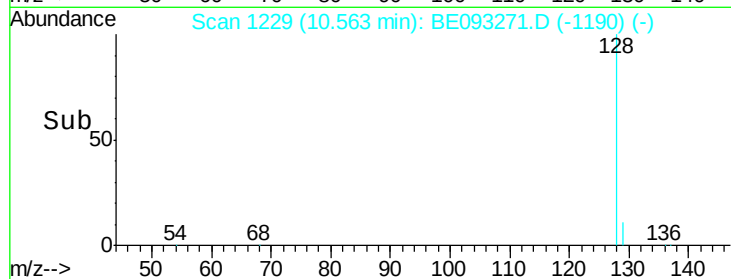
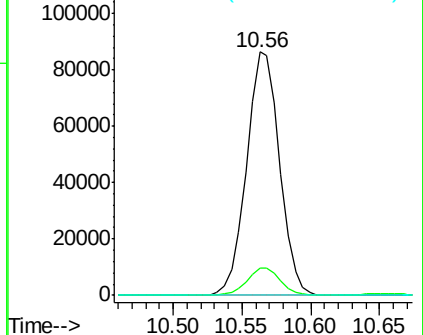
127 0.0 4.0 6.0#



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: 1.35 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093271.D

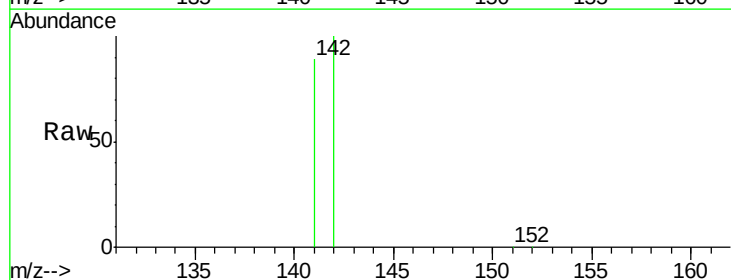
Acq: 20 Jun 2017 3:48

Tgt Ion:142 Resp: 30556

Ion Ratio Lower Upper

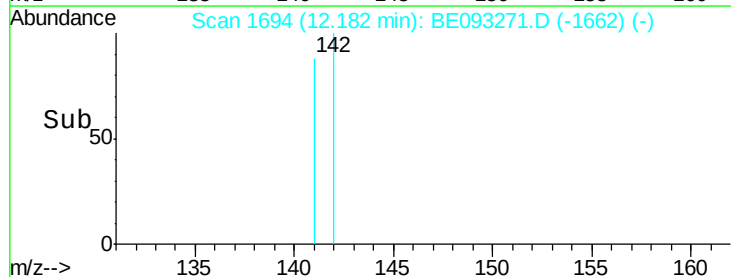
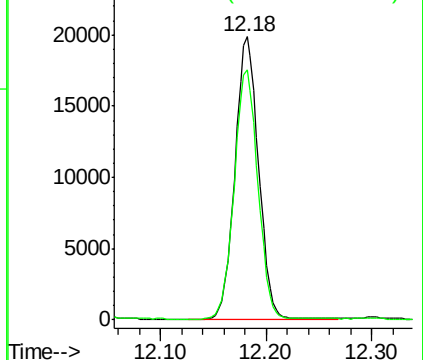
142 100

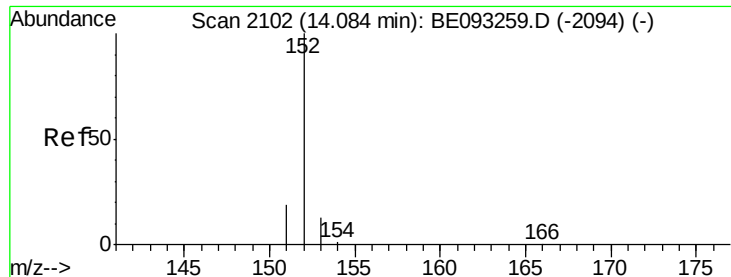
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.47 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

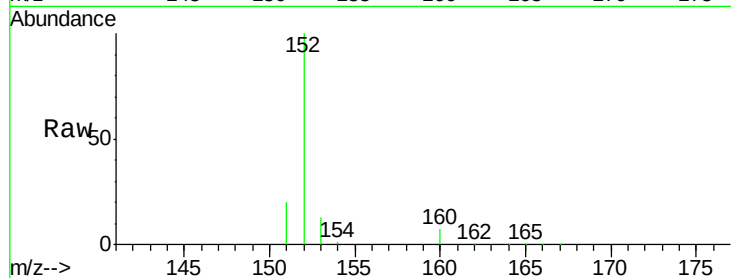
Tot Ion:152 Resp: 197990

Ion Ratio Lower Upper

152 100

151 19.7 17.1 25.7

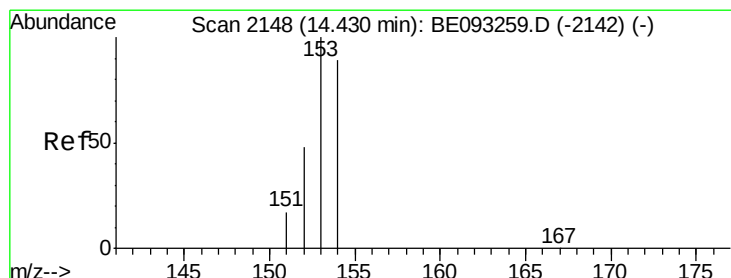
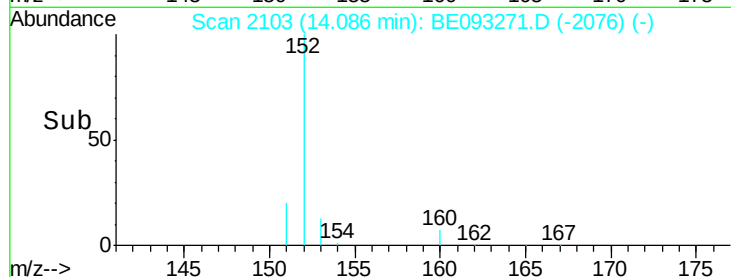
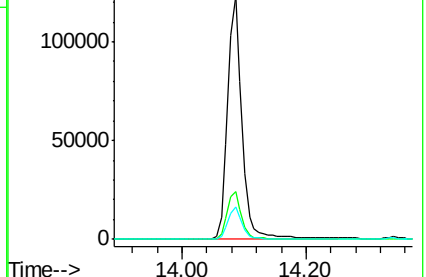
153 13.4 12.8 19.2



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: 1.47 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

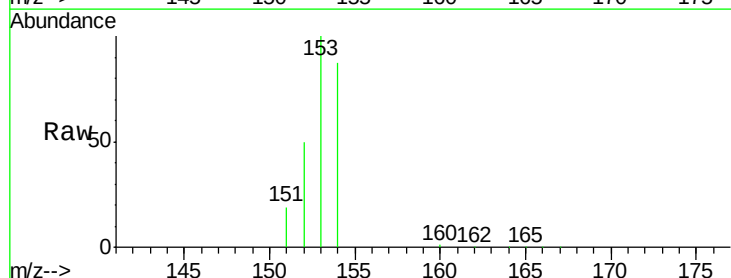
Tgt Ion:153 Resp: 43092

Ion Ratio Lower Upper

153 100

152 49.8 40.3 60.5

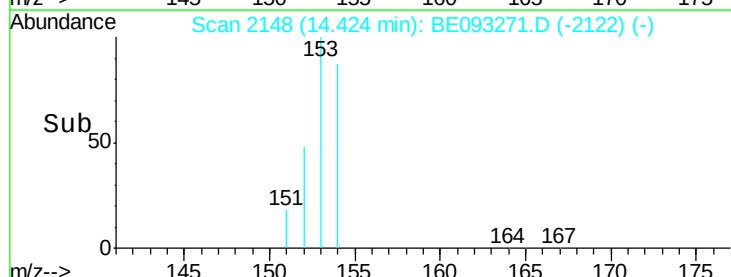
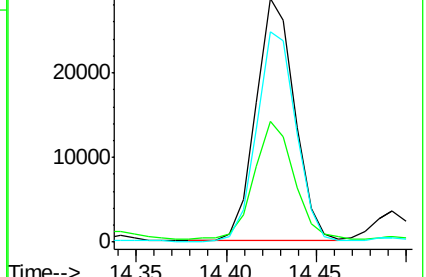
154 86.7 71.4 107.2

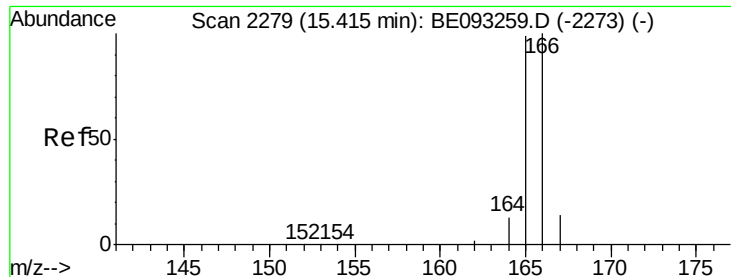


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.27 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

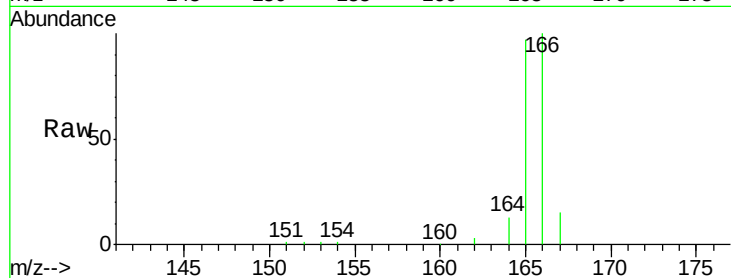
Tot Ion:166 Resp: 43378

Ion Ratio Lower Upper

166 100

165 97.4 73.4 110.2

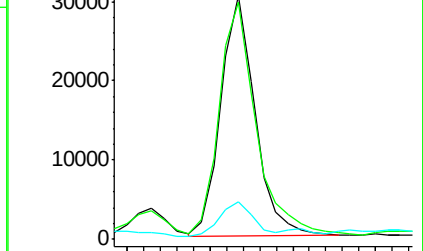
167 15.2 14.6 22.0



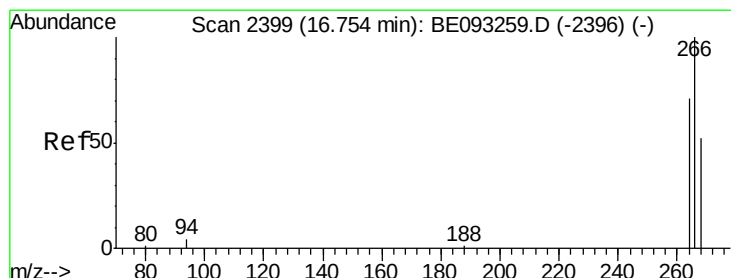
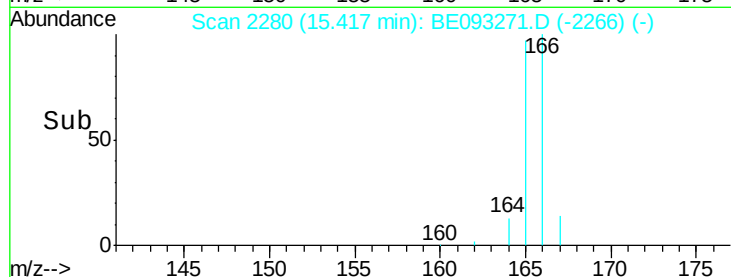
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.77 min Scan# 2401

Delta R.T. 0.02 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

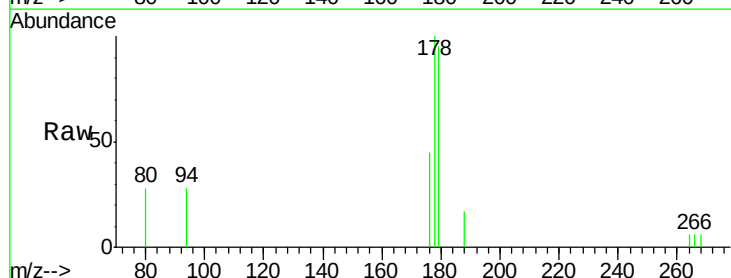
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 52.9 47.9 71.9

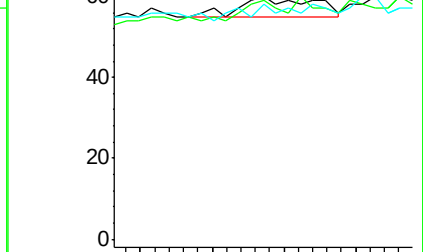
268 20.6 49.8 74.8#



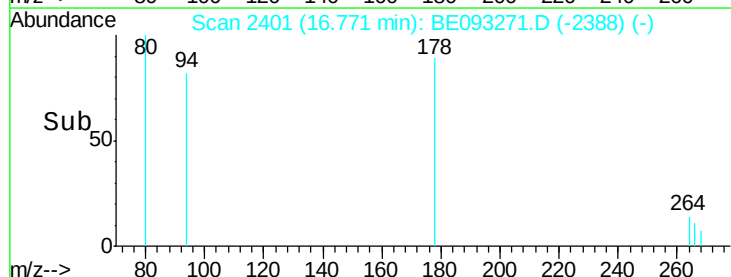
Abundance Ion 266.00 (265.70 to 266.70): E

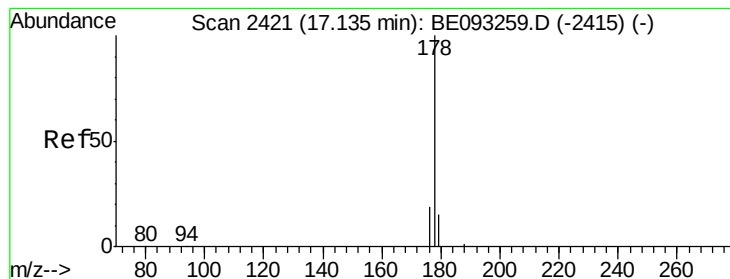
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 8.09 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampled :

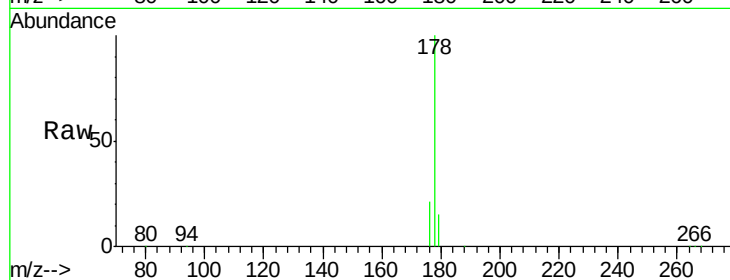
Tot Ion:178 Resp: 430044

Ion Ratio Lower Upper

178 100

179 14.6 18.4 27.6#

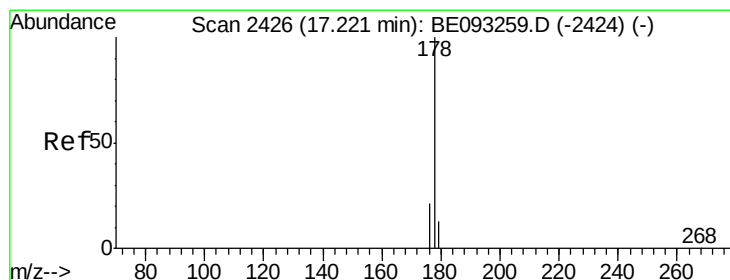
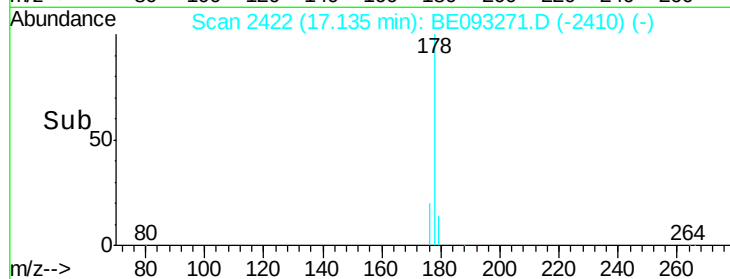
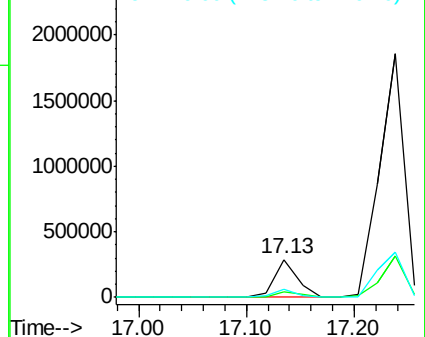
176 20.5 13.6 20.4#



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: 64.13 ng/ul

RT: 17.24 min Scan# 2428

Delta R.T. 0.02 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

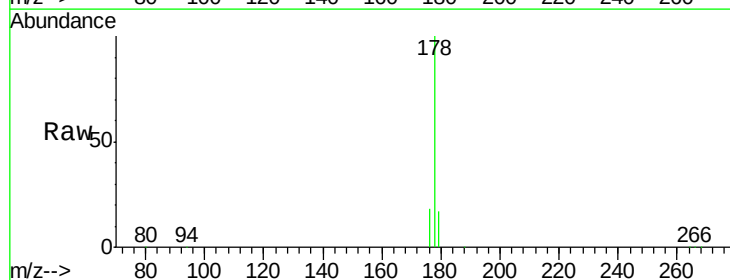
Tgt Ion:178 Resp: 2967279

Ion Ratio Lower Upper

178 100

179 17.1 18.1 27.1#

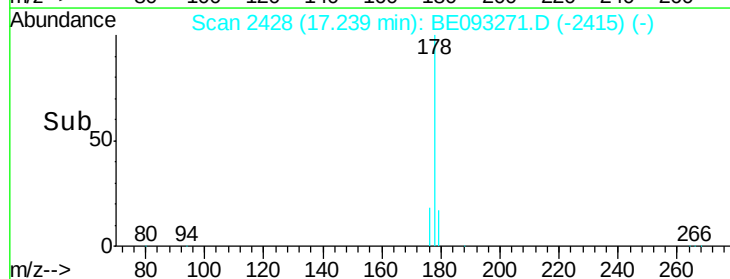
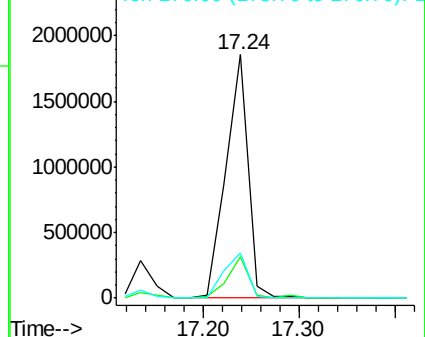
176 18.4 14.7 22.1

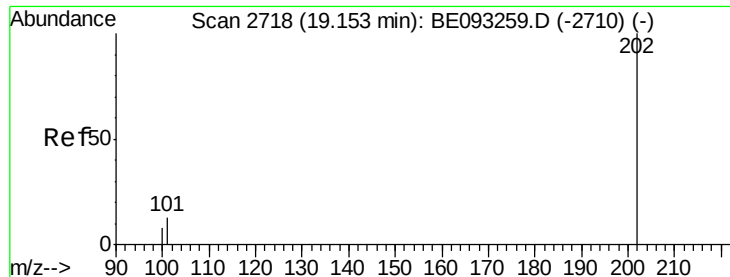


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

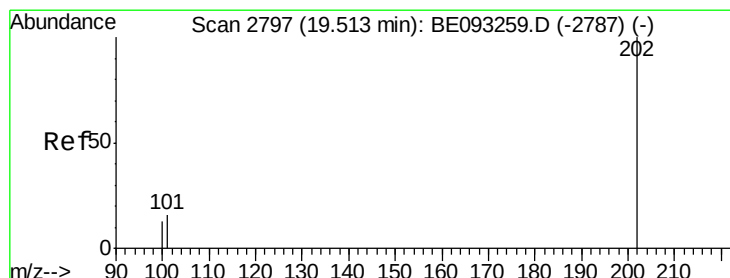
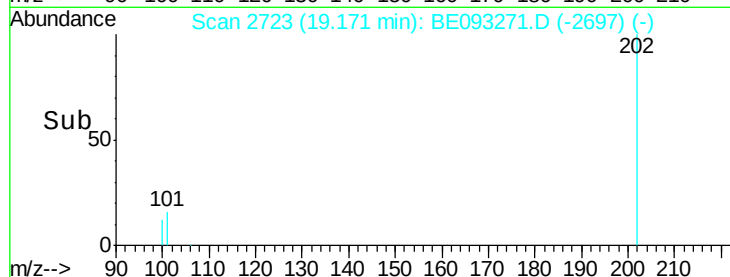
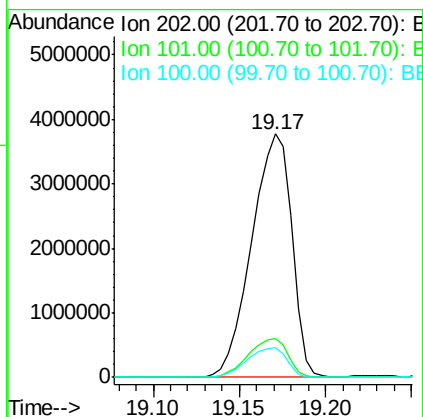
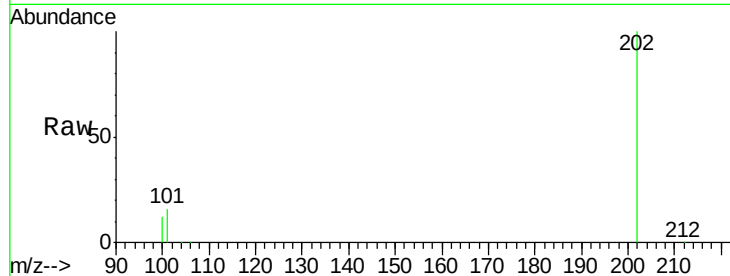




#15
Fluoranthene
Concen: 93.29 ng/ul
RT: 19.17 min Scan# 2723
Delta R.T. 0.02 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

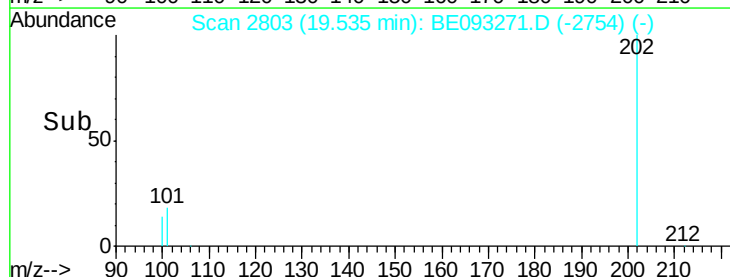
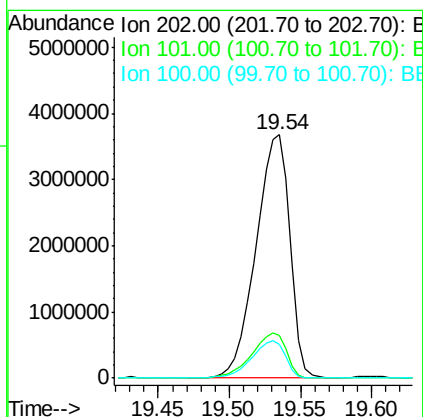
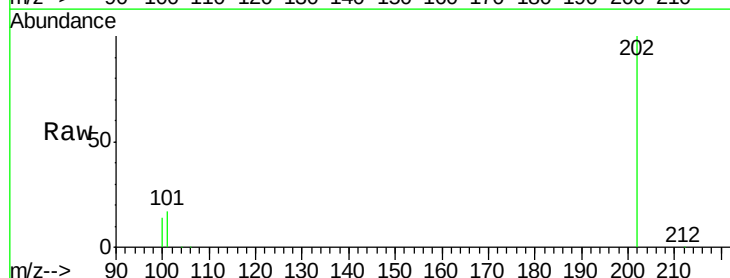
Instrument :
BNA_E
ClientSampleId :

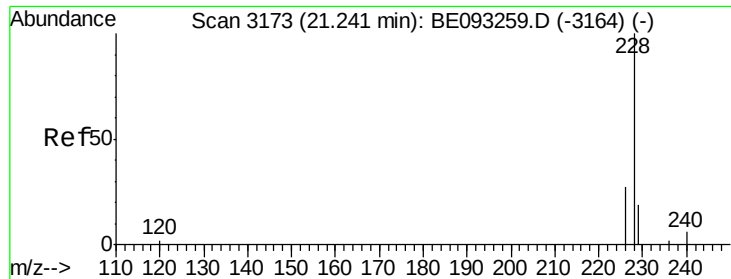
Tot Ion:202 Resp: 6080101
Ion Ratio Lower Upper
202 100
101 15.9 0.0 30.3
100 12.1 0.0 39.5



#17
Pyrene
Concen: 110.44 ng/ul
RT: 19.54 min Scan# 2803
Delta R.T. 0.02 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

Tgt Ion:202 Resp: 6121191
Ion Ratio Lower Upper
202 100
101 17.5 18.2 27.4#
100 14.0 15.6 23.4#

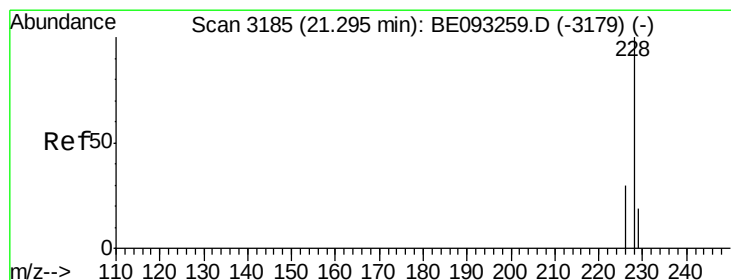
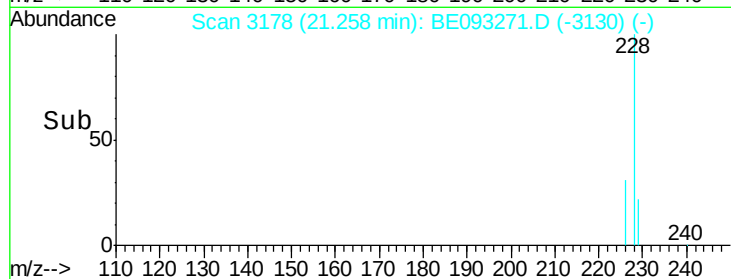
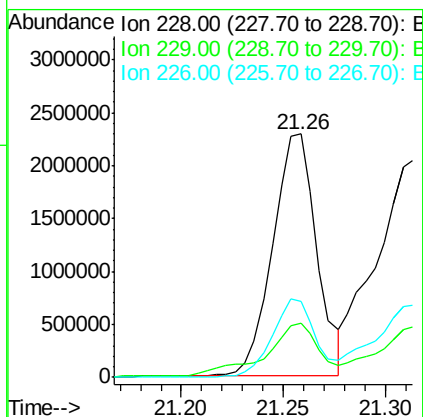
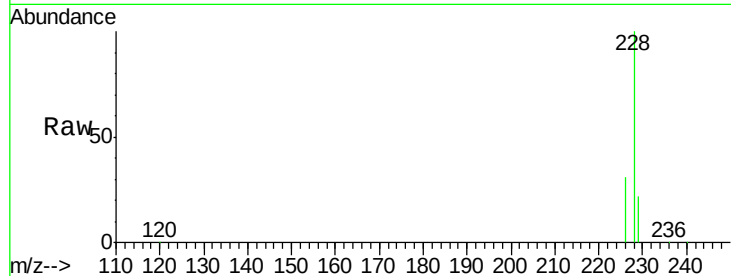




#18
Benzo(a)anthracene
Concen: 68.40 ng/ul
RT: 21.26 min Scan# 3178
Delta R.T. 0.02 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

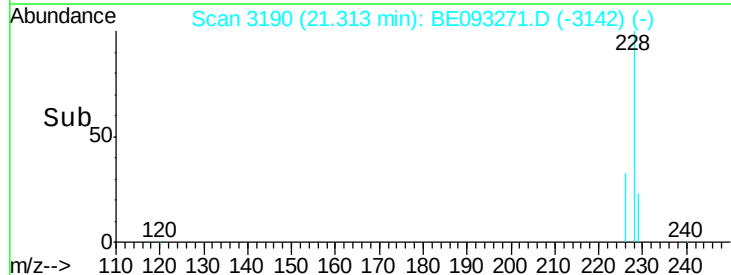
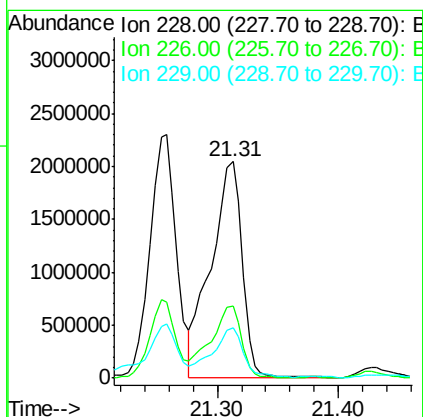
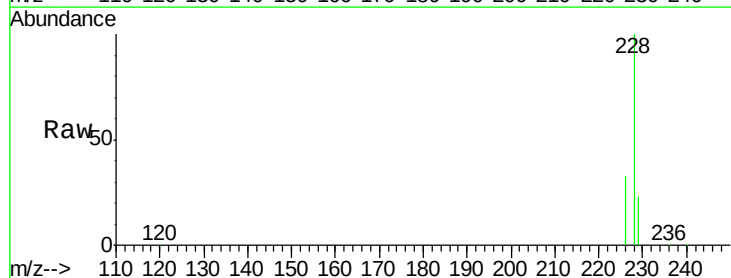
Instrument :
BNA_E
ClientSampleId :

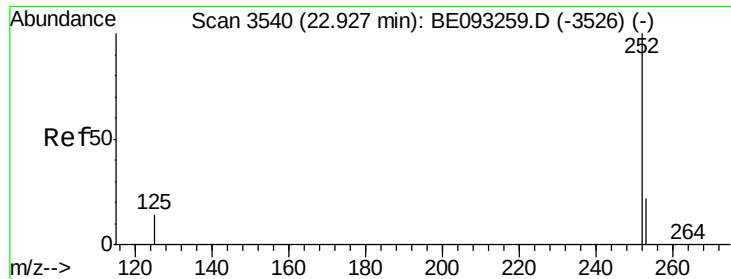
Tot Ion:228 Resp: 3429029
Ion Ratio Lower Upper
228 100
229 22.4 22.8 34.2#
226 31.3 17.0 25.6#



#19
Chrysene
Concen: 70.48 ng/ul
RT: 21.31 min Scan# 3190
Delta R.T. 0.02 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

Tgt Ion:228 Resp: 3664957
Ion Ratio Lower Upper
228 100
226 33.5 23.4 35.0
229 23.1 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.58 ng/ul

RT: 22.96 min Scan# 3549

Delta R.T. 0.04 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

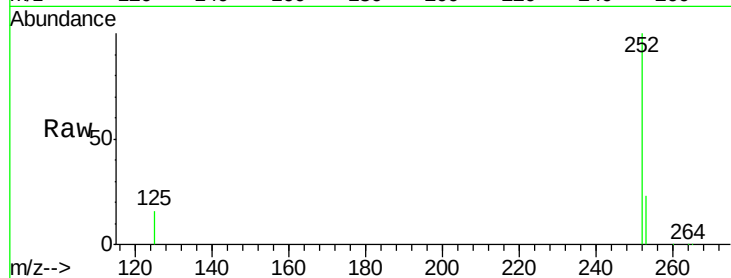
Tot Ion:252 Resp: 3796753

Ion Ratio Lower Upper

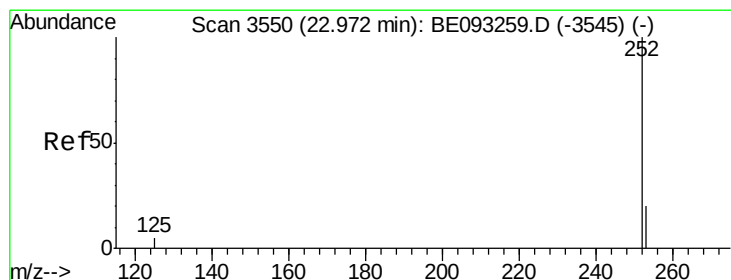
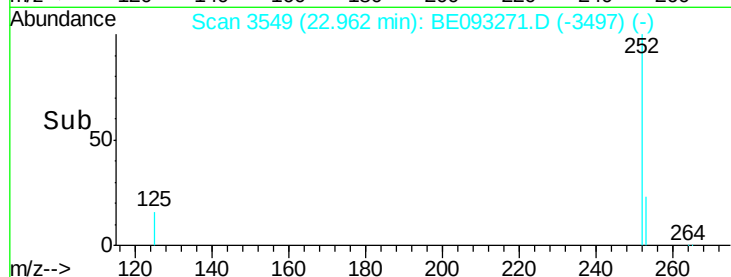
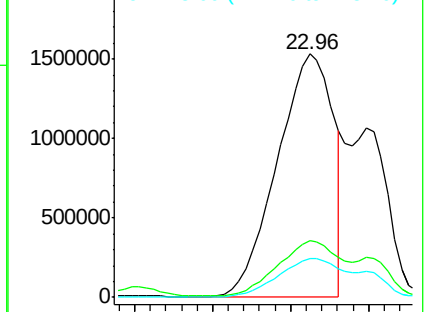
252 100

253 23.2 0.0 64.2

125 15.9 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: 2.25 ng/ul

RT: 22.96 min Scan# 3549

Delta R.T. -0.01 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

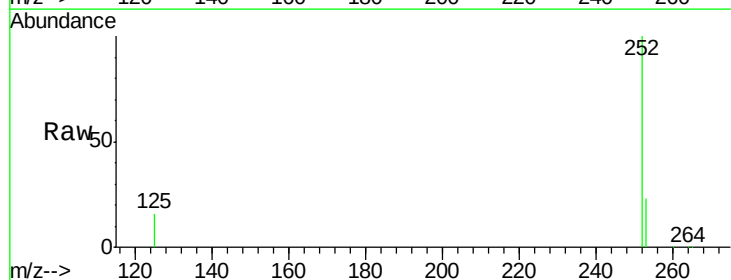
Tgt Ion:252 Resp: 5741770

Ion Ratio Lower Upper

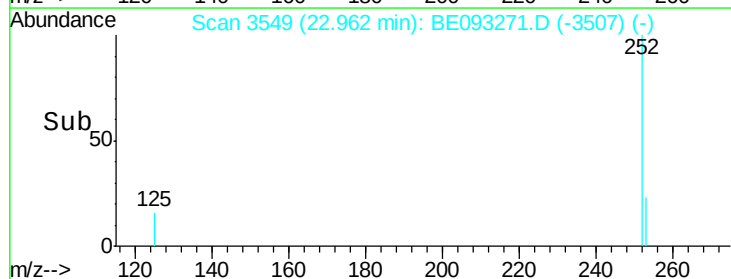
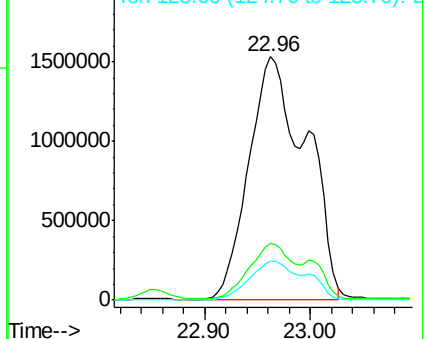
252 100

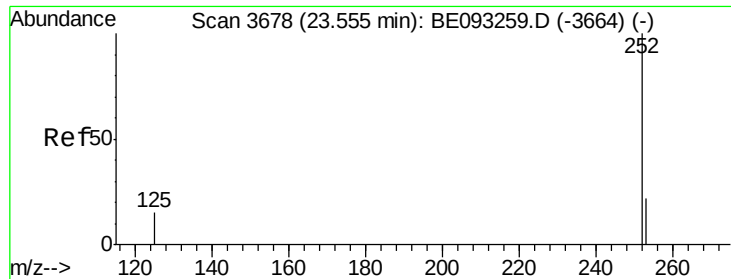
253 23.2 24.5 36.7#

125 15.9 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: 0.84 ng/ul

RT: 23.48 min Scan# 3662

Delta R.T. -0.08 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

Instrument :

BNA_E

ClientSampleId :

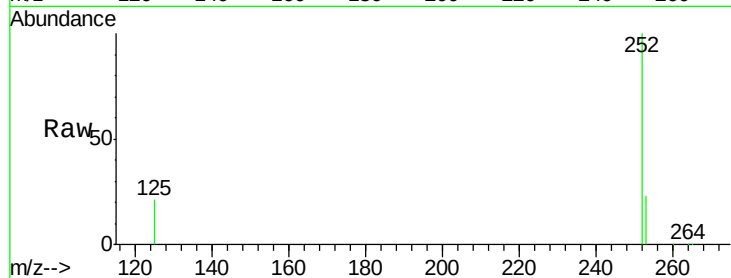
Tot Ion:252 Resp: 1908017

Ion Ratio Lower Upper

252 100

253 22.6 28.5 42.7#

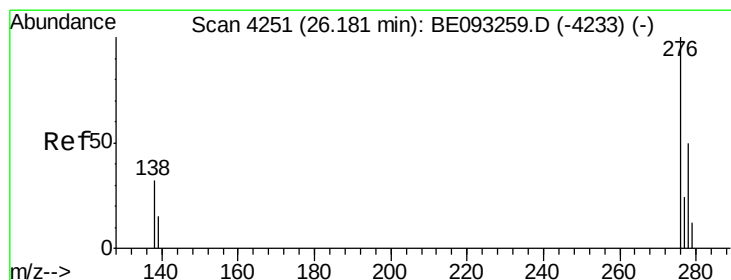
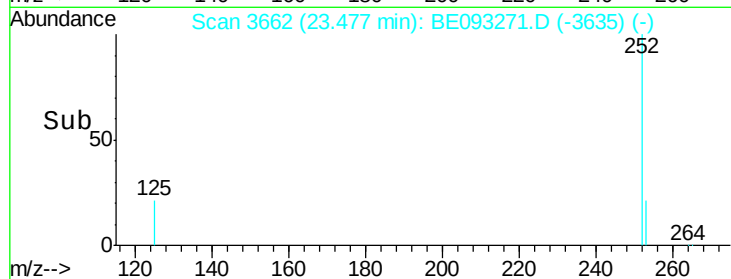
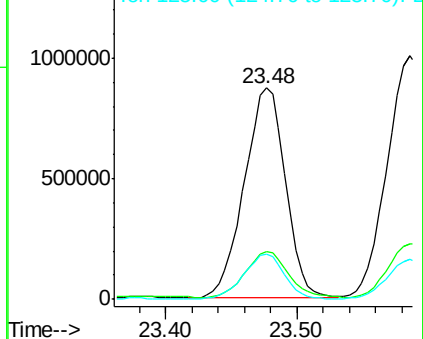
125 21.3 18.1 27.1



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: 0.07 ng/ul

RT: 25.93 min Scan# 4198

Delta R.T. -0.25 min

Lab File: BE093271.D

Acq: 20 Jun 2017 3:48

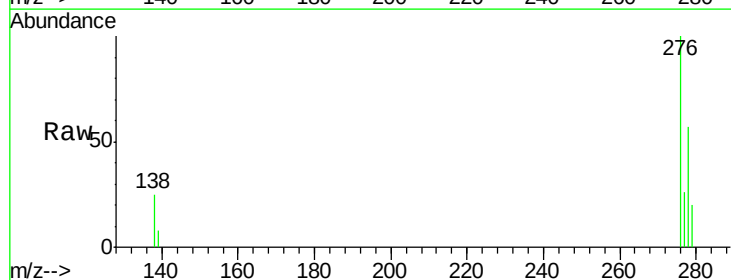
Tgt Ion:276 Resp: 182705

Ion Ratio Lower Upper

276 100

138 19.7 28.0 42.0#

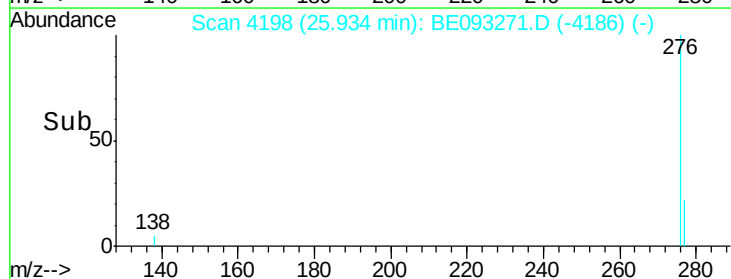
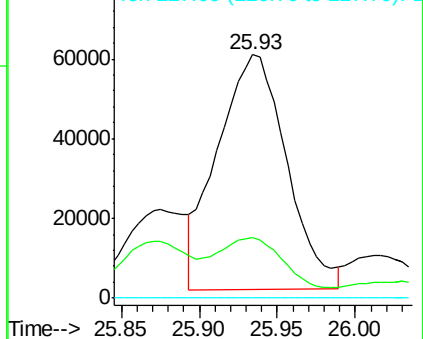
227 0.0 8.0 12.0#

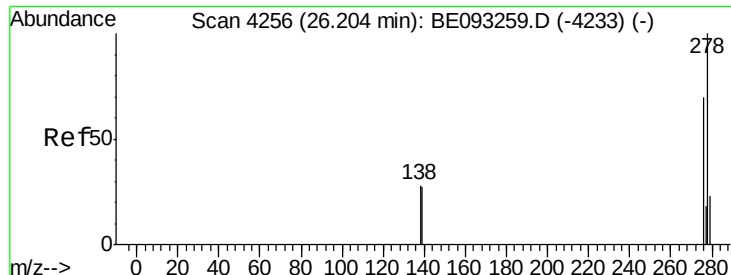


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



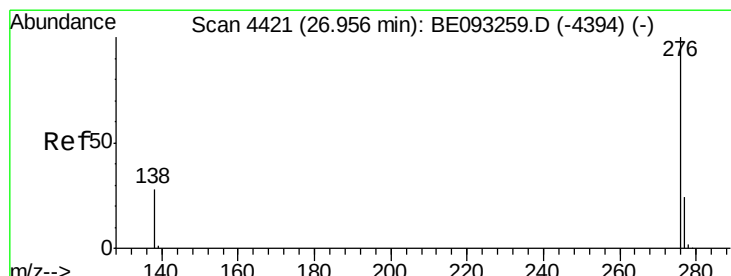
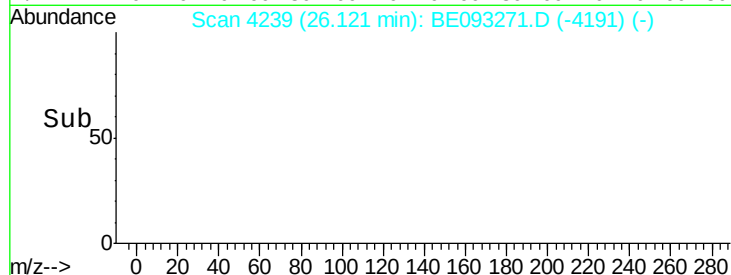
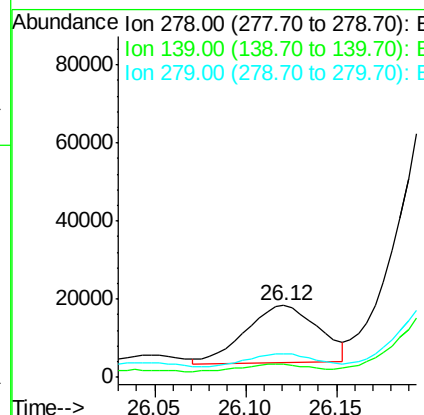
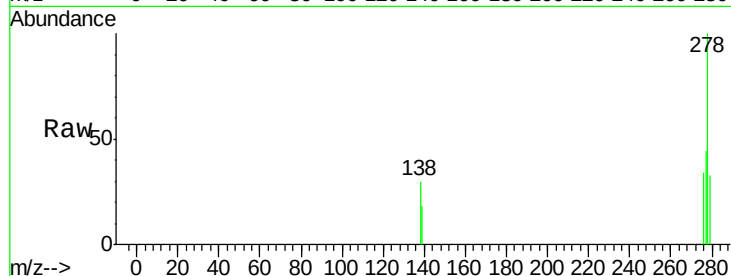


#25
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 26.12 min Scan# 4239
Delta R.T. -0.08 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 41215

Ion	Ratio	Lower	Upper
278	100		
139	17.6	17.4	26.0
279	33.4	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.31 ng/ul
RT: 26.99 min Scan# 4429
Delta R.T. 0.03 min
Lab File: BE093271.D
Acq: 20 Jun 2017 3:48

Tgt Ion:276 Resp: 708564

Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.8	32.8
277	24.3	20.5	30.7

