

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093210.D
 Acq On : 15 Jun 2017 16:12
 Operator : SJ/MA
 Sample : I3558-07DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:43:28 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	2928	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16110	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	9767	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	25376	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	24924	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	34541	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	883	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2443	0.04	ng/ul	0.00

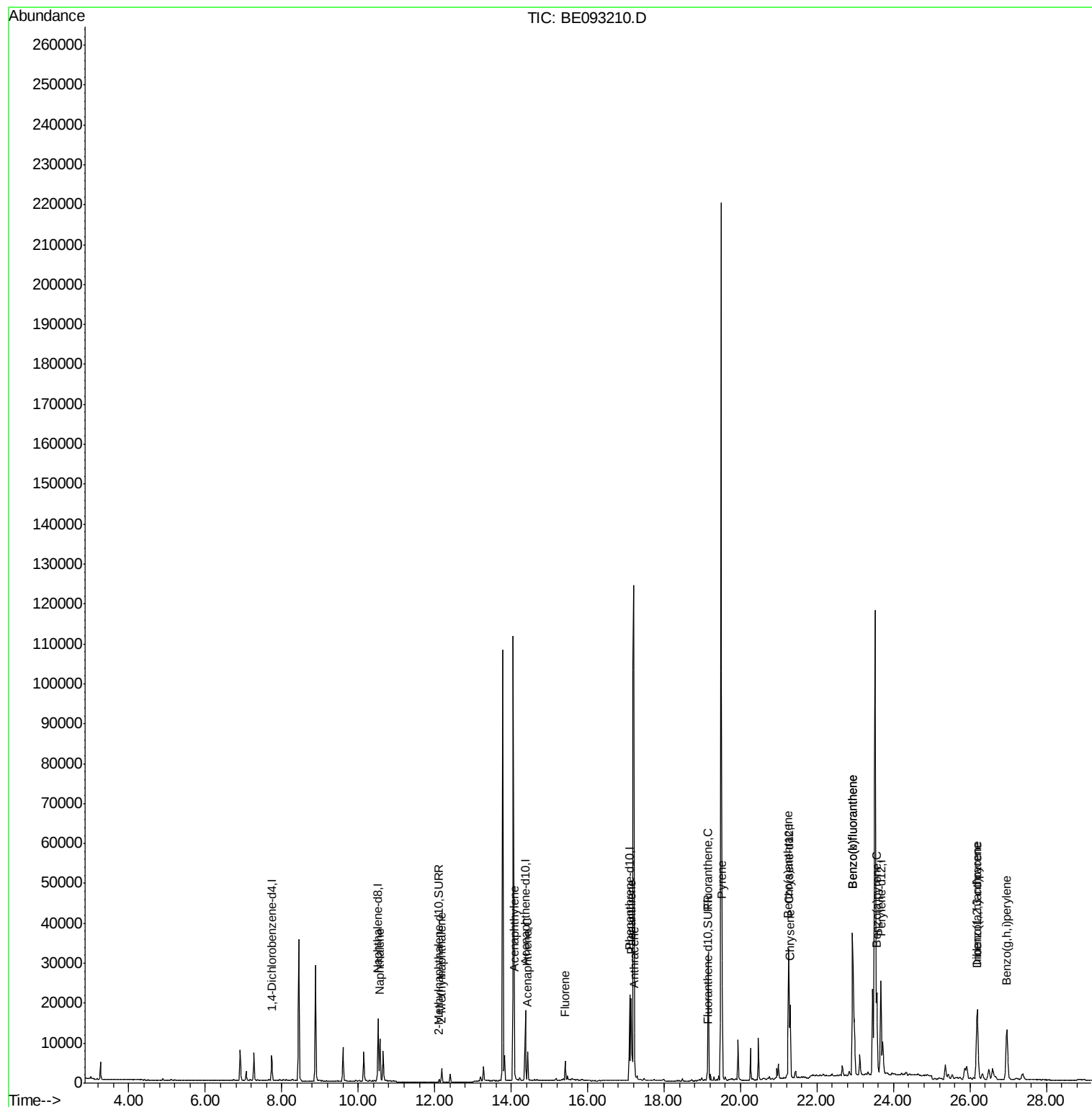
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	14906	0.37	ng/ul#	92
5) 2-Methylnaphthalene	12.19	142	2954	0.11	ng/ul	99
7) Acenaphthylene	14.09	152	3150	0.08	ng/ul	98
8) Acenaphthene	14.43	153	4303	0.13	ng/ul	99
9) Fluorene	15.42	166	2824	0.07	ng/ul	93
12) Phenanthrene	17.13	178	22540	0.32	ng/ul#	86
13) Anthracene	17.22	178	8868	0.15	ng/ul#	88
15) Fluoranthene	19.16	202	34164	0.40	ng/ul	83
17) Pyrene	19.52	202	30228	0.41	ng/ul#	84
18) Benzo(a)anthracene	21.25	228	14964	0.23	ng/ul#	85
19) Chrysene	21.30	228	22400	0.32	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	74155	0.71	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	74155	0.67	ng/ul#	90
23) Benzo(a)pyrene	23.56	252	28084	0.28	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.19	276	31250	0.27	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.20	278	7461	0.08	ng/ul#	86
26) Benzo(a,h,i)perylene	26.96	276	28172	0.29	ng/ul	97

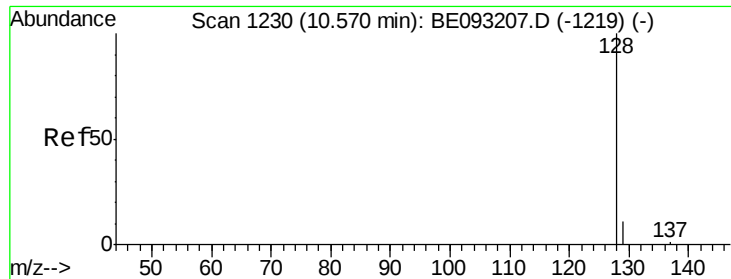
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.37 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

Instrument :

BNA_E

ClientSampleId :

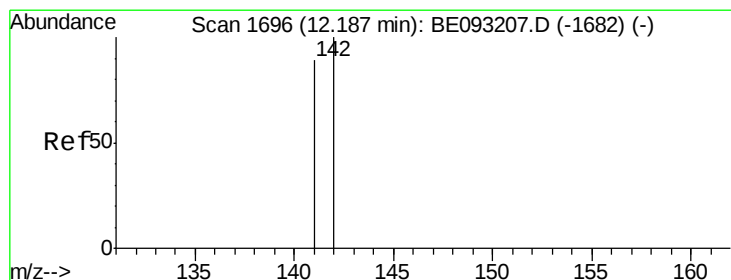
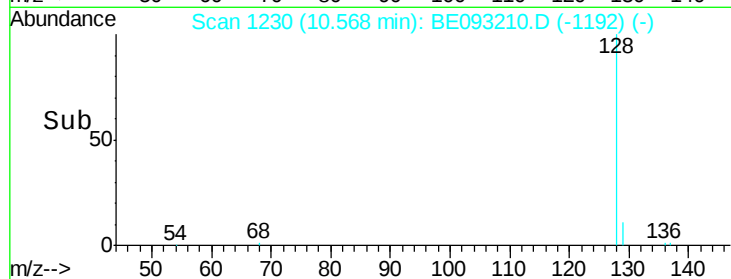
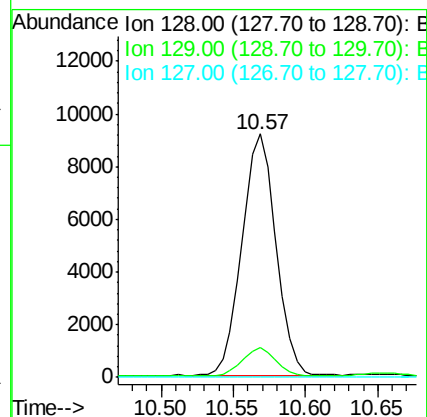
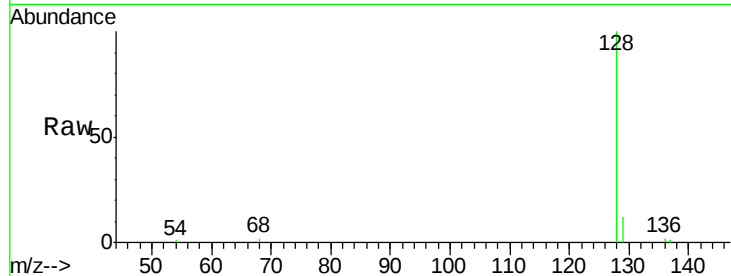
Tot Ion:128 Resp: 14906

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093210.D

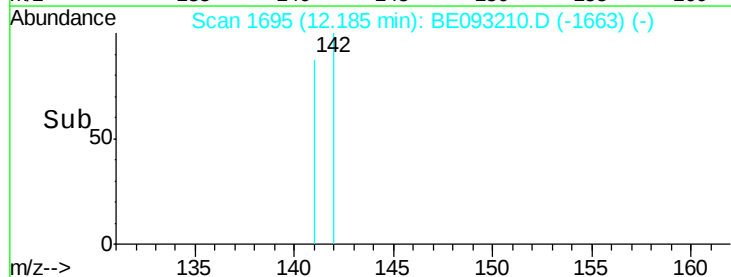
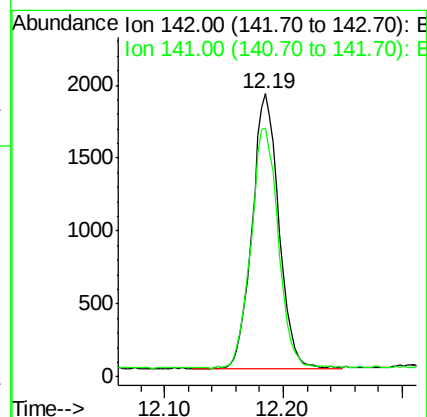
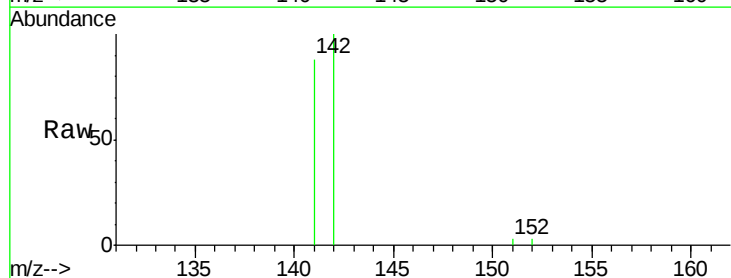
Acq: 15 Jun 2017 16:12

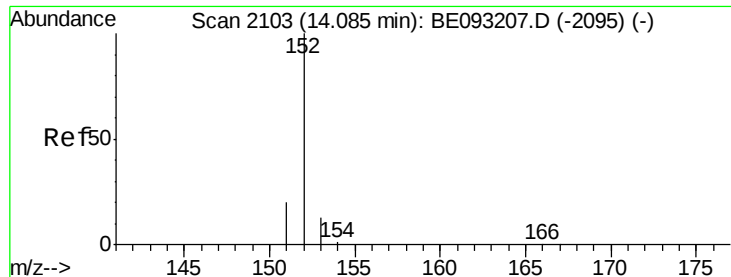
Tgt Ion:142 Resp: 2954

Ion Ratio Lower Upper

142 100

141 89.9 72.6 108.8





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093210.D

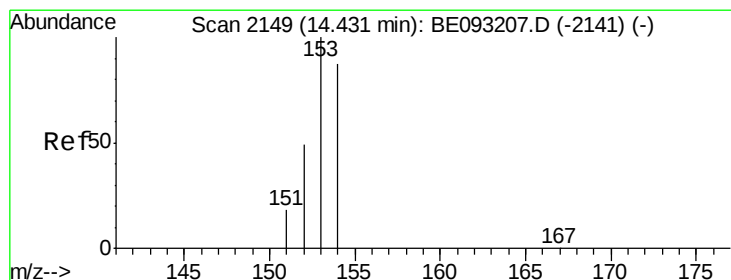
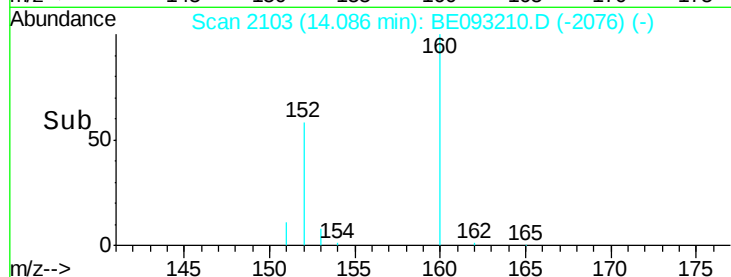
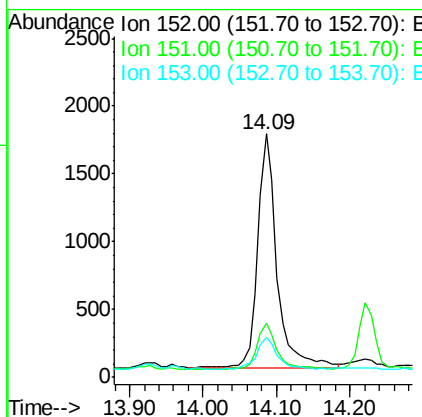
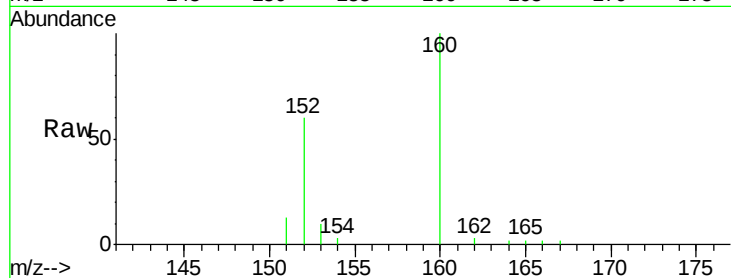
Acq: 15 Jun 2017 16:12

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	152	Resp:	3150
Ion	Ratio	Lower	Upper
152	100		
151	22.4	17.1	25.7
153	16.4	12.8	19.2



#8

Acenaphthene

Concen: 0.13 ng/ul

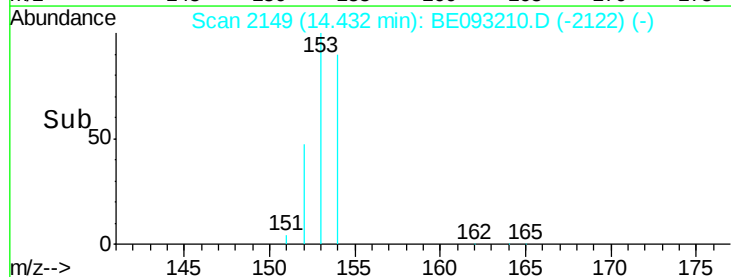
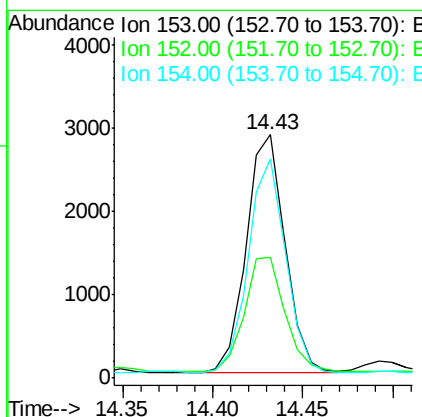
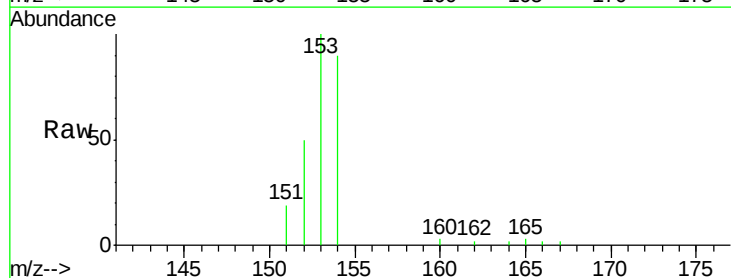
RT: 14.43 min Scan# 2149

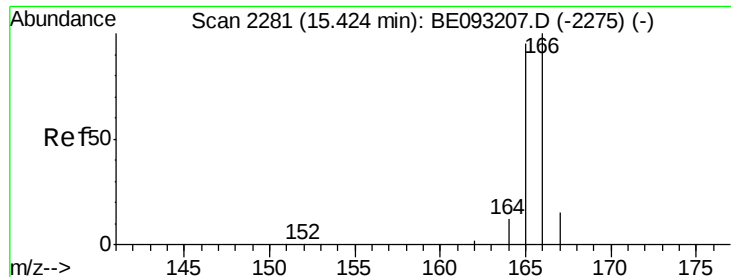
Delta R.T. 0.00 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

Tgt Ion:	153	Resp:	4303
Ion	Ratio	Lower	Upper
153	100		
152	49.8	40.3	60.5
154	89.8	71.4	107.2





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

Instrument :

BNA_E

ClientSampled :

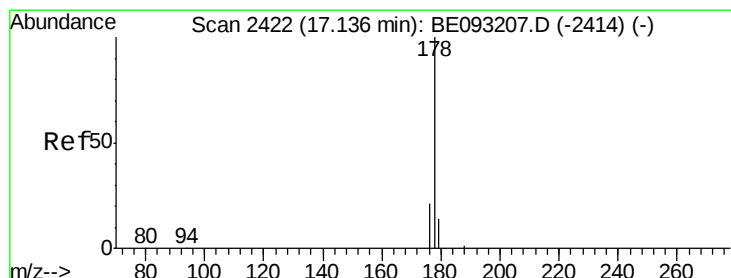
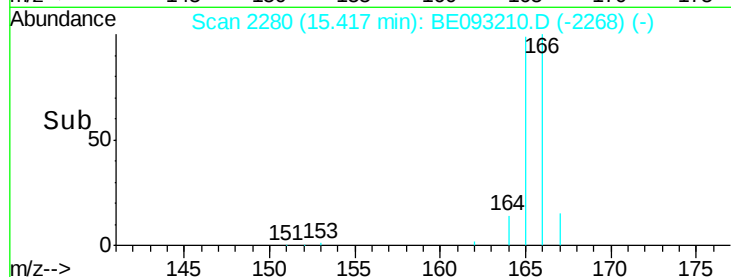
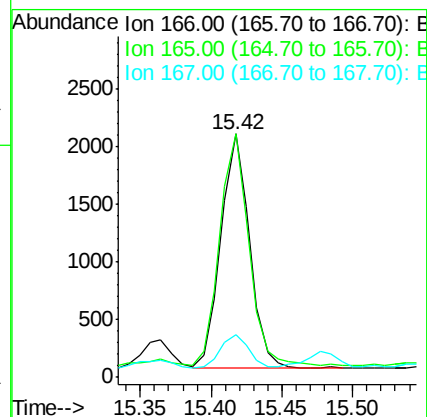
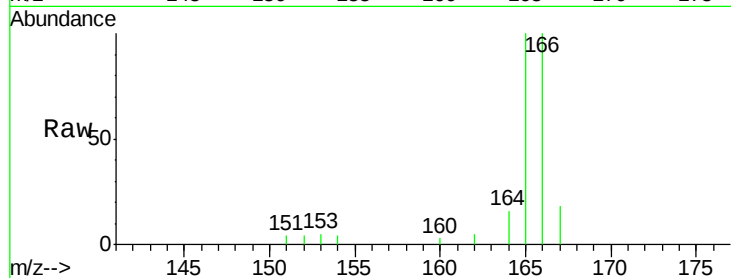
Tot Ion:166 Resp: 2824

Ion Ratio Lower Upper

166 100

165 100.0 73.4 110.2

167 17.6 14.6 22.0



#12

Phenanthrene

Concen: 0.32 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

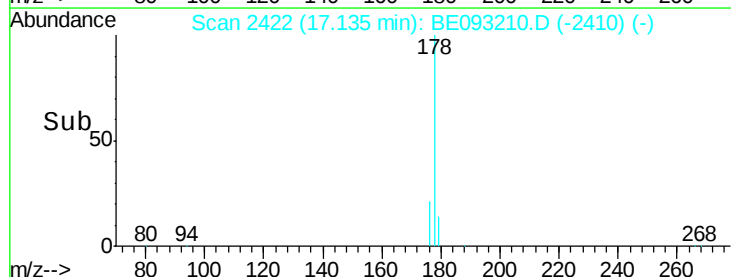
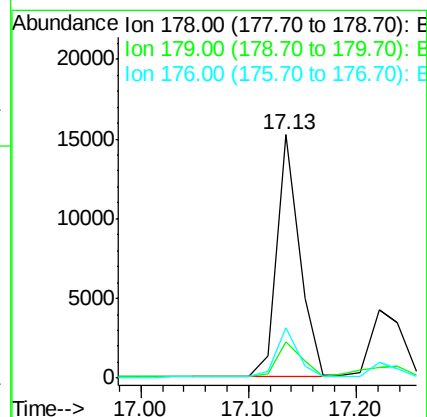
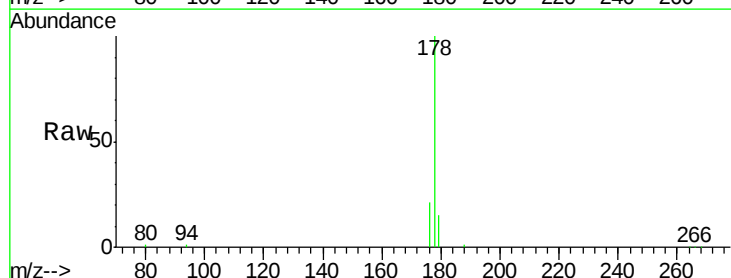
Tgt Ion:178 Resp: 22540

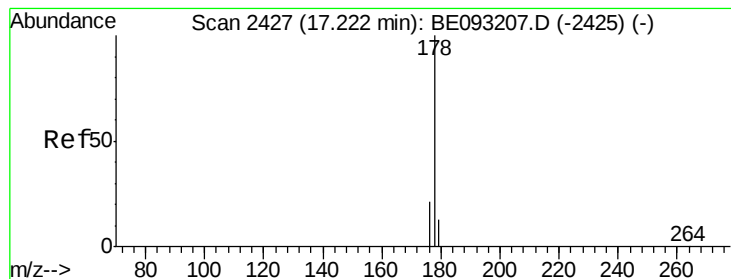
Ion Ratio Lower Upper

178 100

179 14.7 18.4 27.6#

176 20.8 13.6 20.4#





#13

Anthracene

Concen: 0.15 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

Instrument :

BNA_E

ClientSampleId :

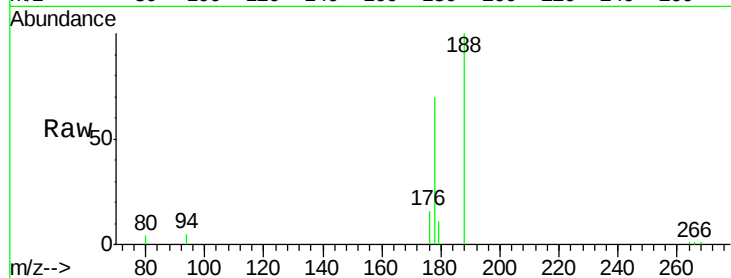
Tot Ion:178 Resp: 8868

Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

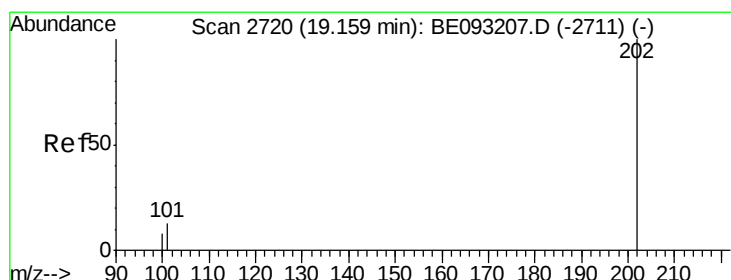
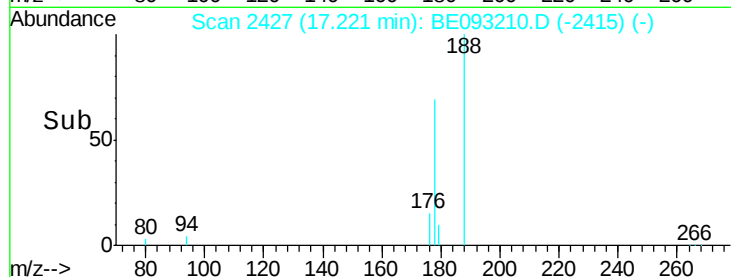
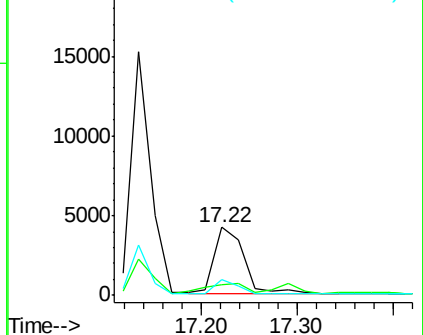
176 22.8 14.7 22.1#



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: 0.40 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

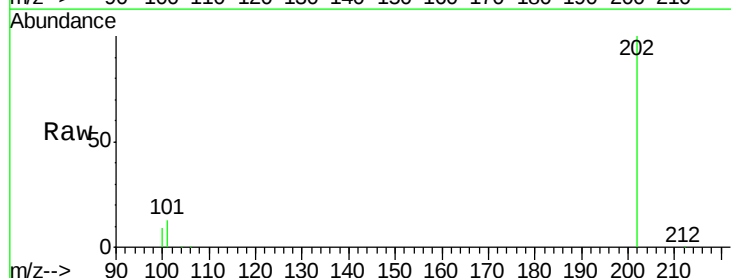
Tgt Ion:202 Resp: 34164

Ion Ratio Lower Upper

202 100

101 12.9 0.0 30.3

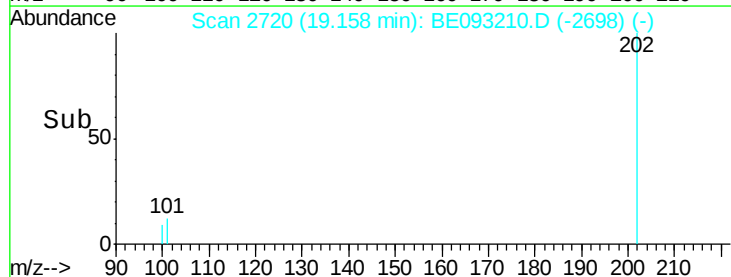
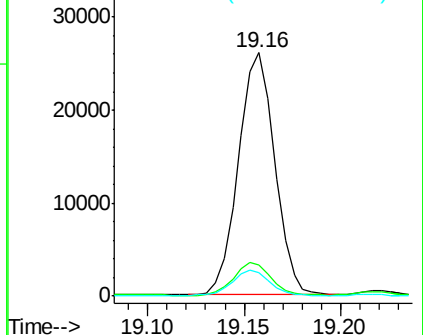
100 9.5 0.0 39.5

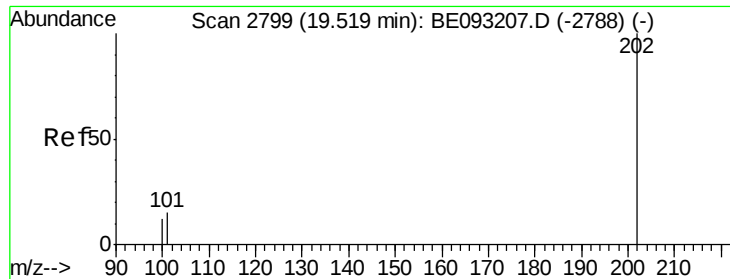


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

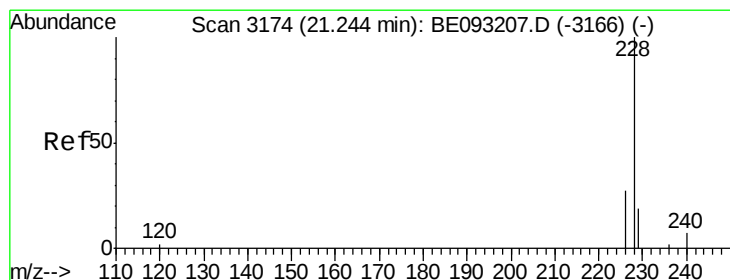
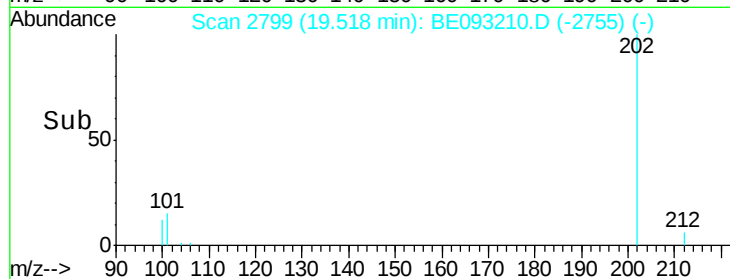
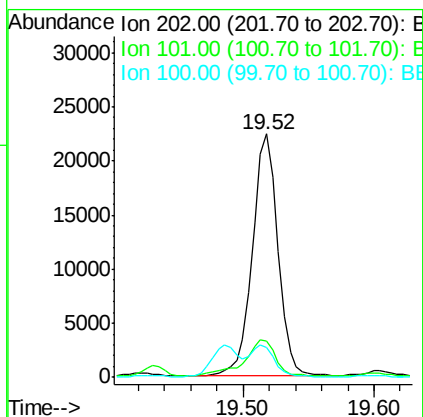
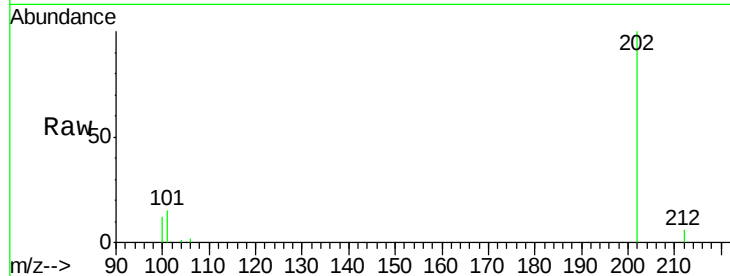




#17
Pvrene
Concen: 0.41 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093210.D
Acq: 15 Jun 2017 16:12

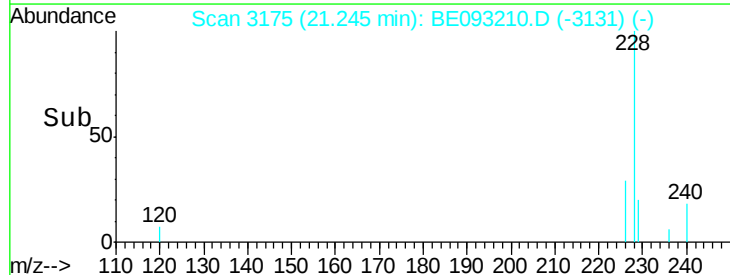
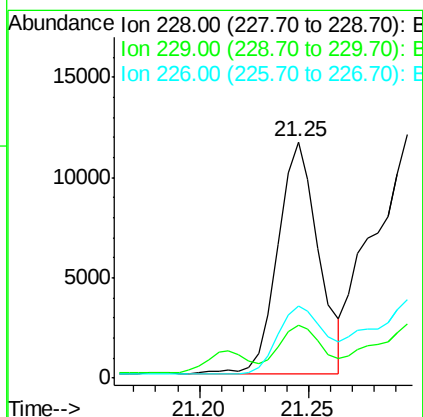
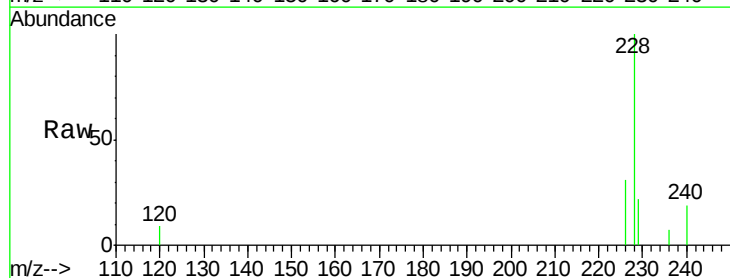
Instrument :
BNA_E
ClientSampleId :

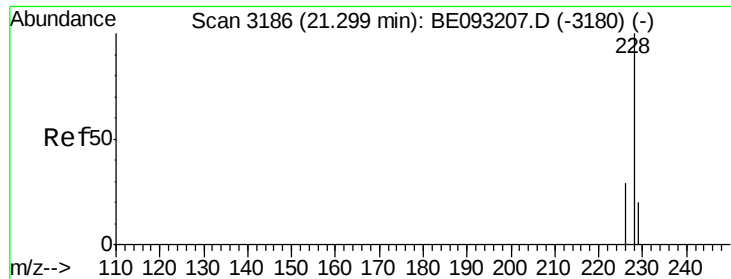
Tot Ion:202 Resp: 30228
Ion Ratio Lower Upper
202 100
101 15.0 18.2 27.4#
100 12.4 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.23 ng/ul
RT: 21.25 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093210.D
Acq: 15 Jun 2017 16:12

Tgt Ion:228 Resp: 14964
Ion Ratio Lower Upper
228 100
229 22.5 22.8 34.2#
226 30.7 17.0 25.6#





#19

Chrysene

Concen: 0.32 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

Instrument :

BNA_E

ClientSampleId :

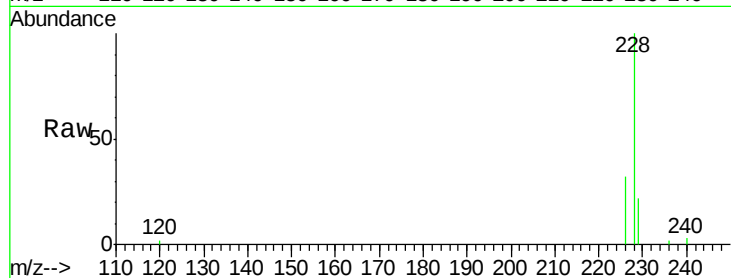
Tot Ion:228 Resp: 22400

Ion Ratio Lower Upper

228 100

226 32.1 23.4 35.0

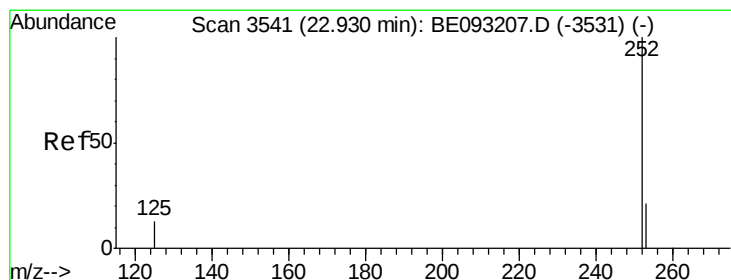
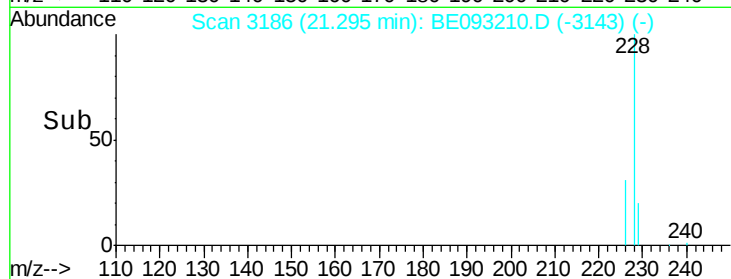
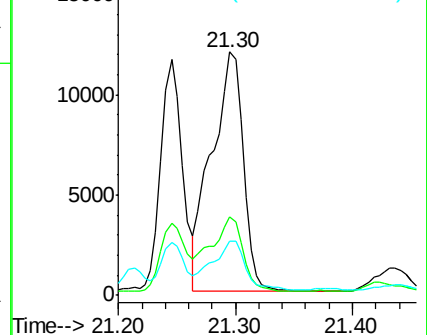
229 22.3 17.7 26.5



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: 0.71 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

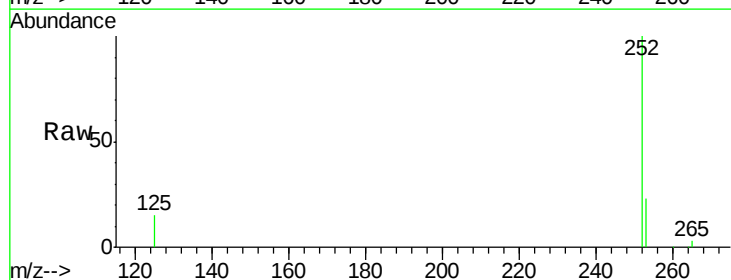
Tgt Ion:252 Resp: 74155

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

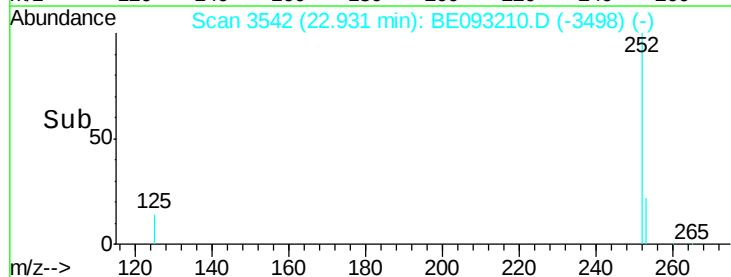
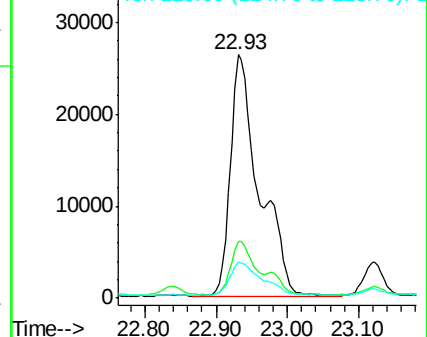
125 15.0 0.0 35.0

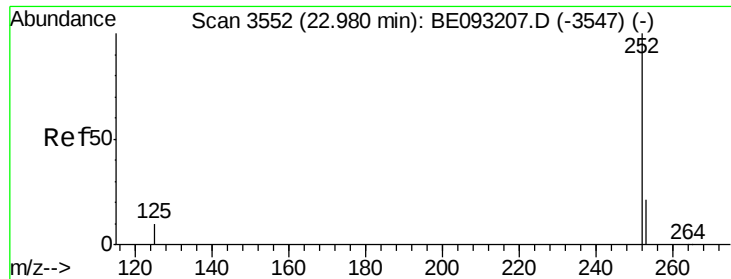


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

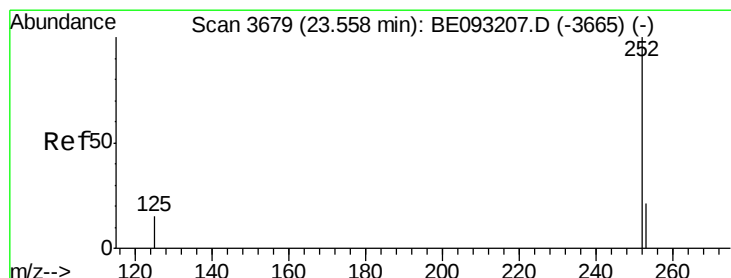
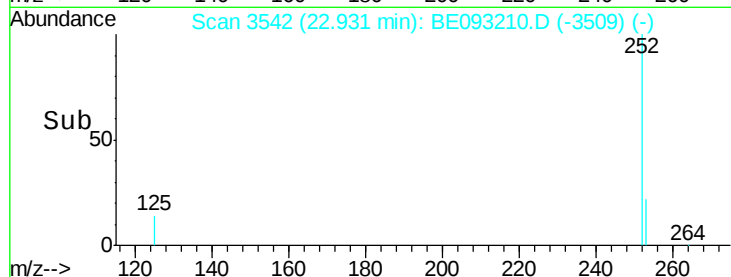
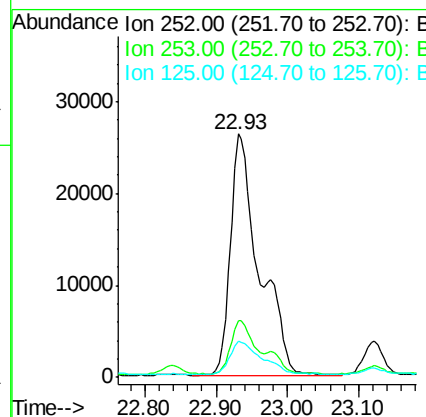
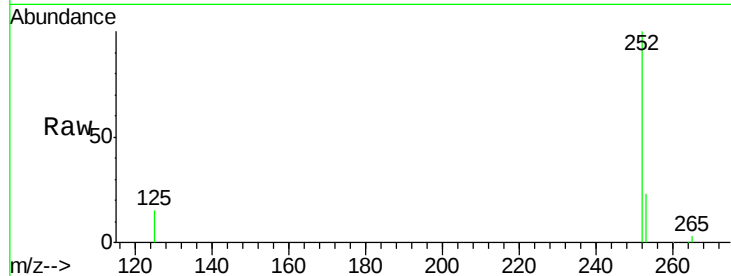




#22
Benzo(k)fluoranthene
Concen: 0.67 ng/ul
RT: 22.93 min Scan# 3542
Delta R.T. -0.05 min
Lab File: BE093210.D
Acq: 15 Jun 2017 16:12

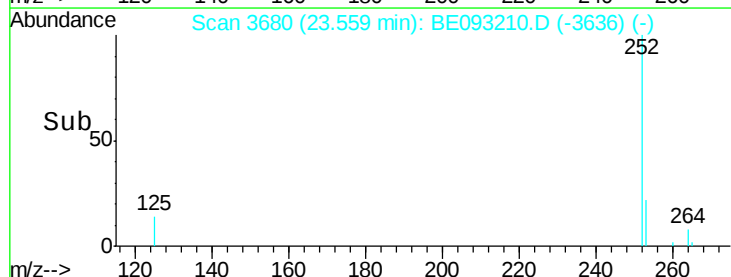
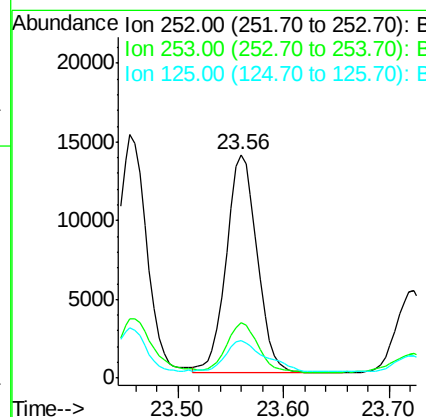
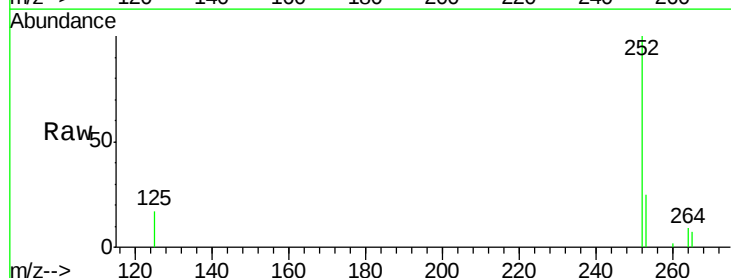
Instrument :
BNA_E
ClientSampleId :

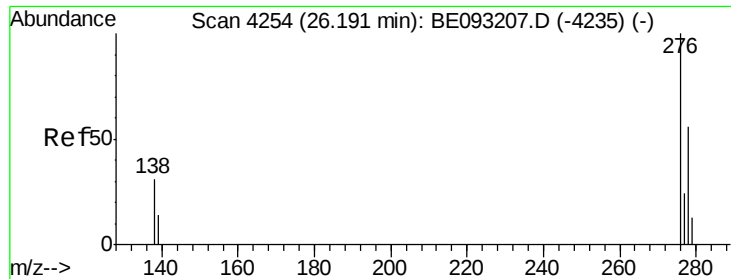
Tot Ion:252 Resp: 74155
Ion Ratio Lower Upper
252 100
253 23.2 24.5 36.7#
125 15.0 13.7 20.5



#23
Benzo(a)pyrene
Concen: 0.28 ng/ul
RT: 23.56 min Scan# 3680
Delta R.T. 0.00 min
Lab File: BE093210.D
Acq: 15 Jun 2017 16:12

Tgt Ion:252 Resp: 28084
Ion Ratio Lower Upper
252 100
253 24.6 28.5 42.7#
125 16.8 18.1 27.1#

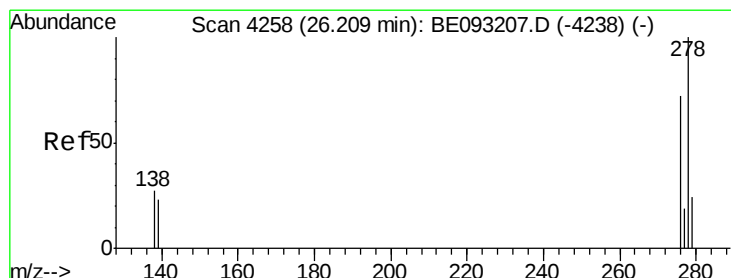
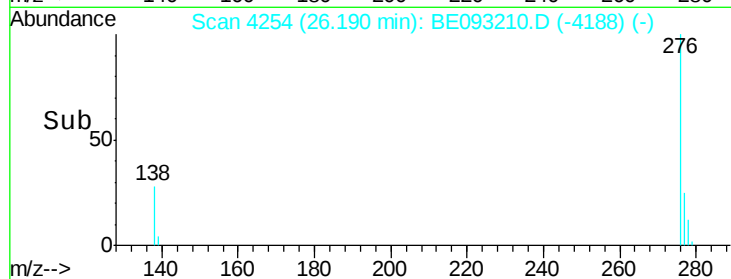
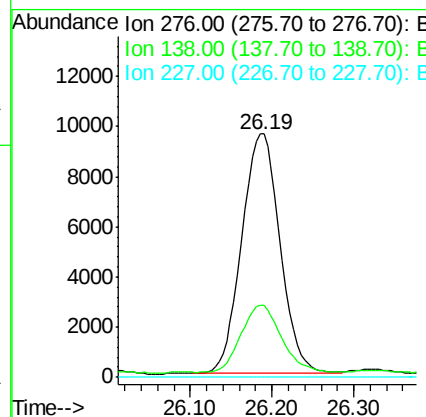
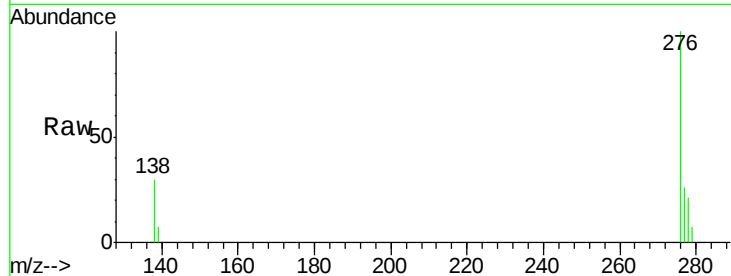




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.27 ng/ul
 RT: 26.19 min Scan# 4254
 Delta R.T. -0.00 min
 Lab File: BE093210.D
 Acq: 15 Jun 2017 16:12

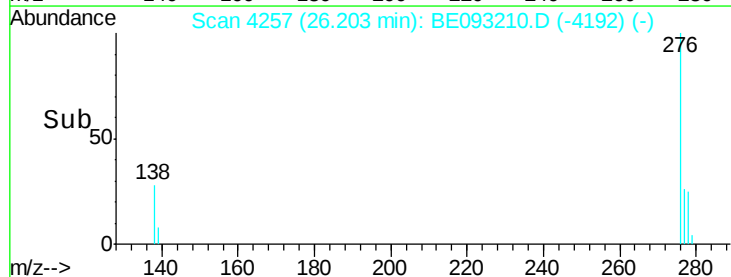
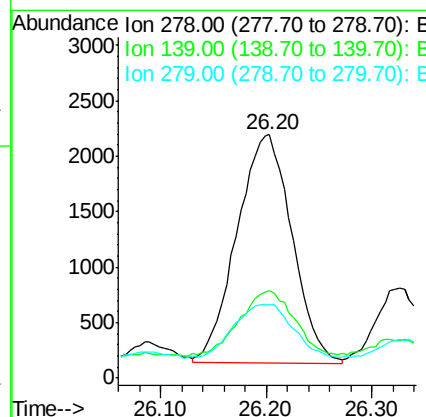
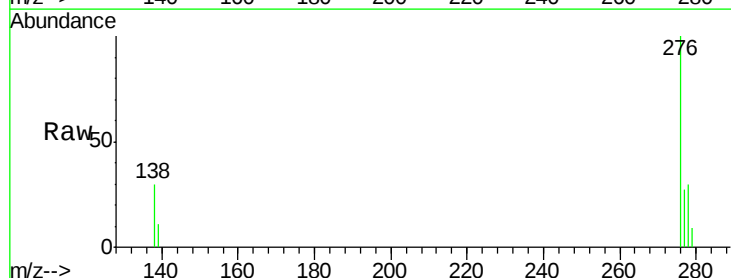
Instrument :
 BNA_E
 ClientSampleId :

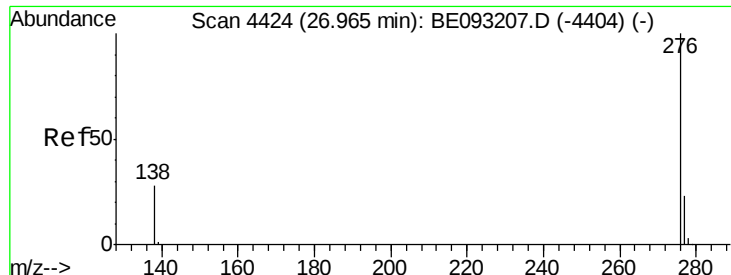
Tot Ion:276 Resp: 31250
 Ion Ratio Lower Upper
 276 100
 138 29.9 28.0 42.0
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.08 ng/ul
 RT: 26.20 min Scan# 4257
 Delta R.T. -0.01 min
 Lab File: BE093210.D
 Acq: 15 Jun 2017 16:12

Tgt Ion:278 Resp: 7461
 Ion Ratio Lower Upper
 278 100
 139 35.9 17.4 26.0#
 279 30.2 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.29 ng/ul

RT: 26.96 min Scan# 4423

Delta R.T. -0.01 min

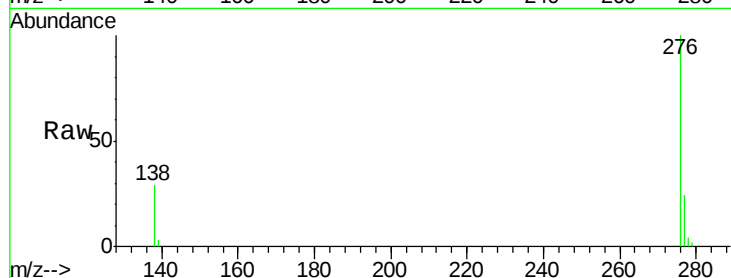
Lab File: BE093210.D

Acq: 15 Jun 2017 16:12

Instrument :

BNA_E

ClientSampleId :



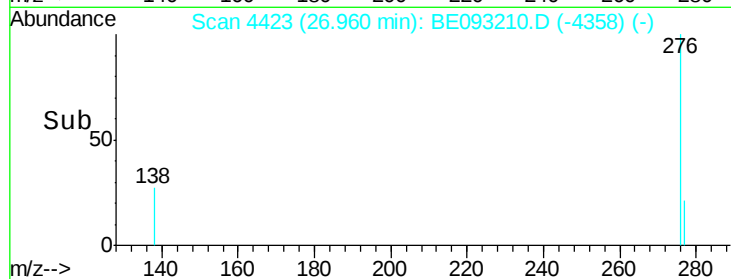
Tot Ion: 276 Resp: 28172

Ion Ratio Lower Upper

276 100

138 29.3 21.8 32.8

277 24.3 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

