

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
 Data File : BE093215.D
 Acq On : 15 Jun 2017 19:17
 Operator : SJ/MA
 Sample : I3522-05DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 16 04:44:23 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	2531	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	12878	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	7556	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	18540	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20858	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	16855	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	990	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2625	0.05	ng/ul	0.00

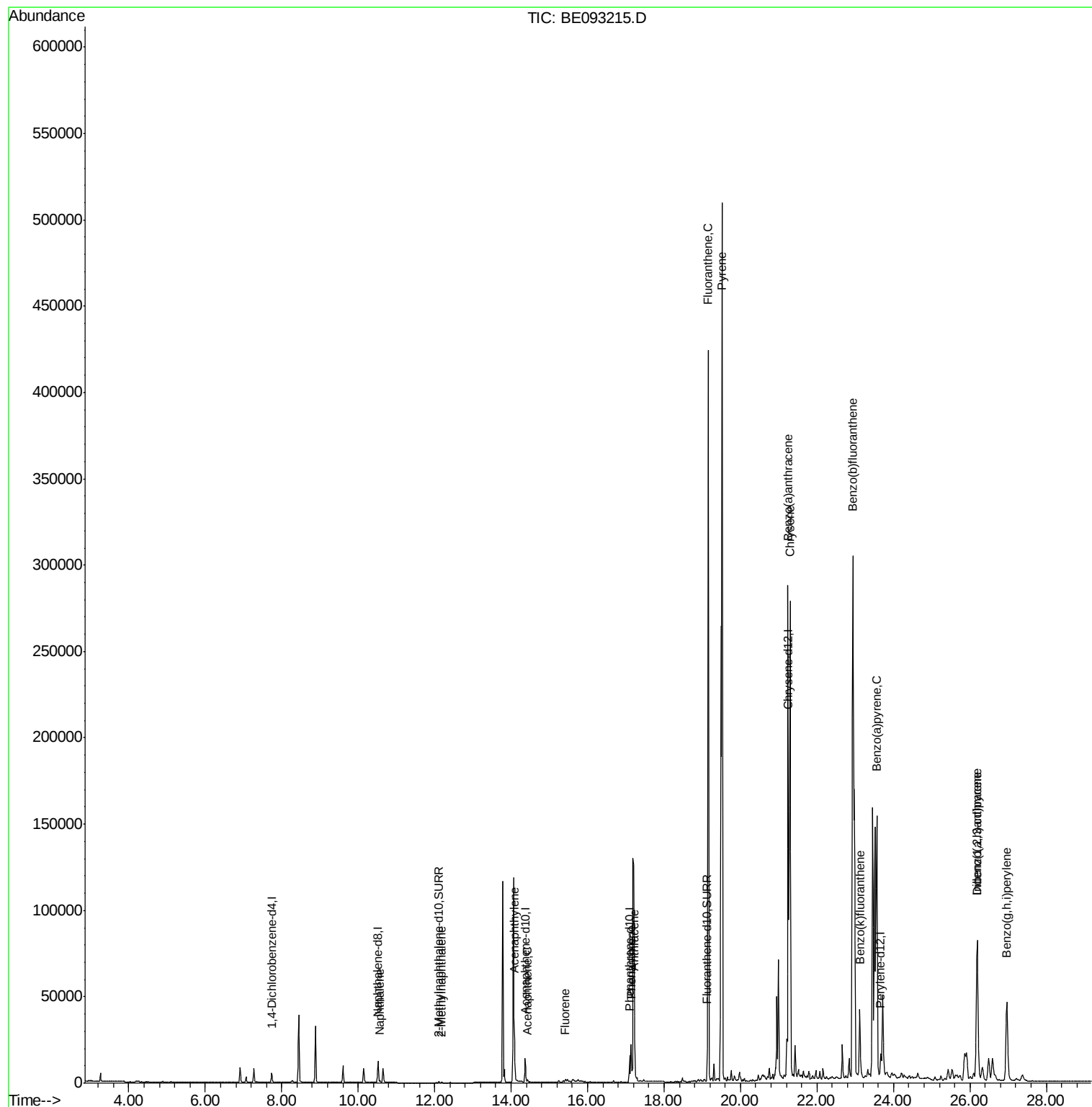
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.57	128	1794	0.06	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	459	0.02	ng/ul	100
7) Acenaphthylene	14.09	152	35331	1.09	ng/ul	96
8) Acenaphthene	14.43	153	879	0.03	ng/ul#	94
9) Fluorene	15.42	166	1234	0.04	ng/ul#	93
12) Phenanthrene	17.14	178	22530	0.44	ng/ul#	80
13) Anthracene	17.22	178	50015	1.13	ng/ul#	86
15) Fluoranthene	19.16	202	447430	7.15	ng/ul	83
17) Pyrene	19.52	202	499056	8.11	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	238401	4.28	ng/ul#	85
19) Chrysene	21.30	228	328477	5.69	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	715891	14.00	ng/ul	86
22) Benzo(k)fluoranthene	23.12	252	49604	0.91	ng/ul	96
23) Benzo(a)pyrene	23.56	252	223700	4.63	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.19	276	137355	2.45	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	35697	0.76	ng/ul	91
26) Benzo(a,h,i)perylene	26.97	276	98954	2.06	ng/ul	97

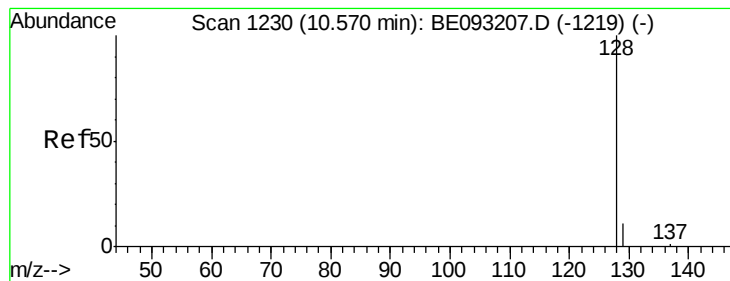
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampleId :

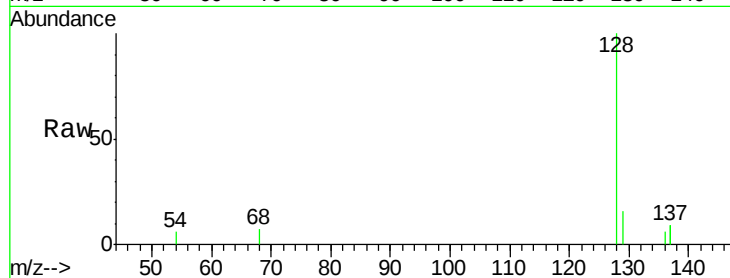
Tot Ion:128 Resp: 1794

Ion Ratio Lower Upper

128 100

129 16.3 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

10.57

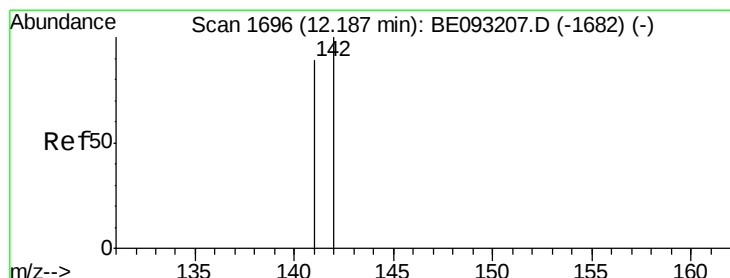
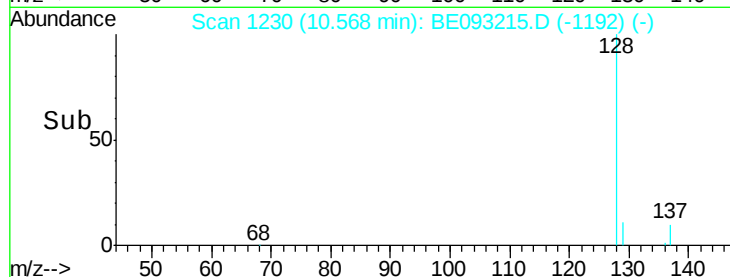
1000

500

0

Time-->

10.50 10.55 10.60 10.65



#5

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093215.D

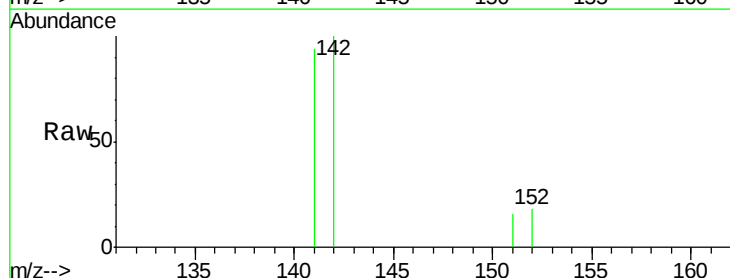
Acq: 15 Jun 2017 19:17

Tgt Ion:142 Resp: 459

Ion Ratio Lower Upper

142 100

141 90.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.18

300

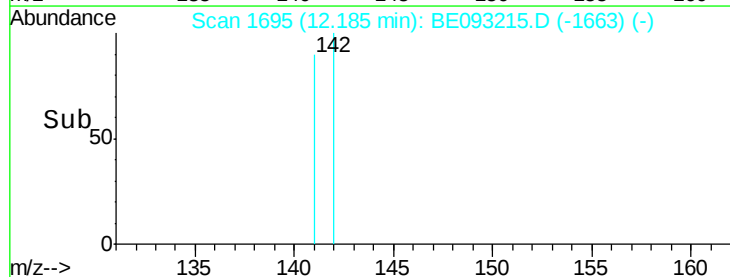
200

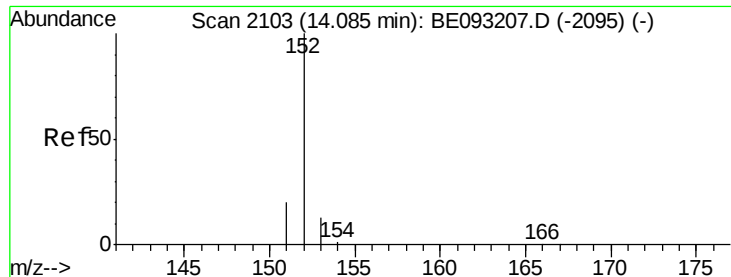
100

0

Time-->

12.10 12.15 12.20 12.25





#7

Acenaphthylene

Concen: 1.09 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampleId :

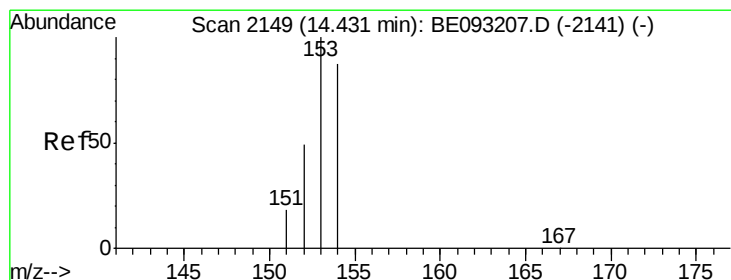
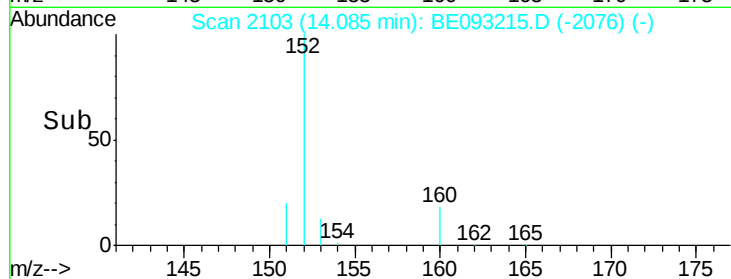
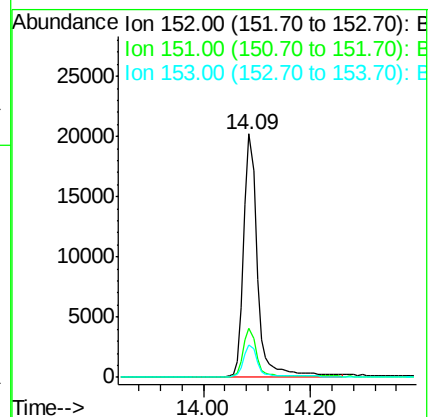
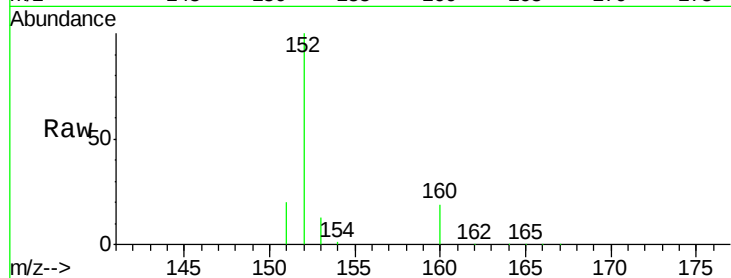
Tot Ion:152 Resp: 35331

Ion Ratio Lower Upper

152 100

151 20.2 17.1 25.7

153 13.3 12.8 19.2



#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

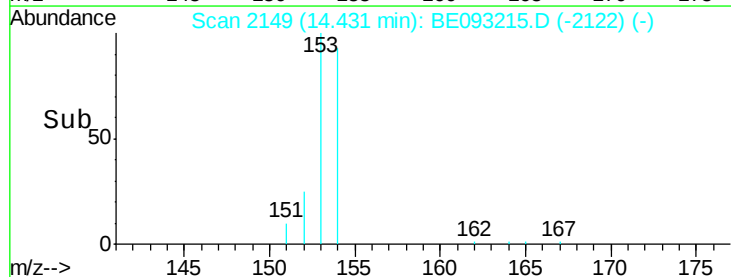
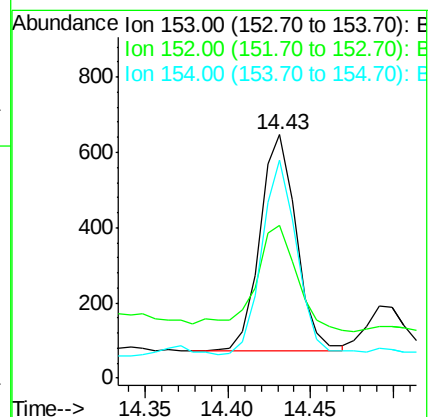
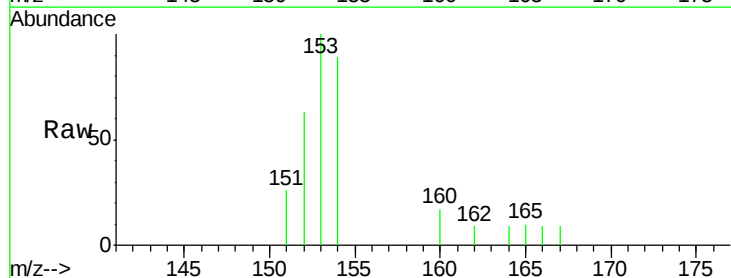
Tgt Ion:153 Resp: 879

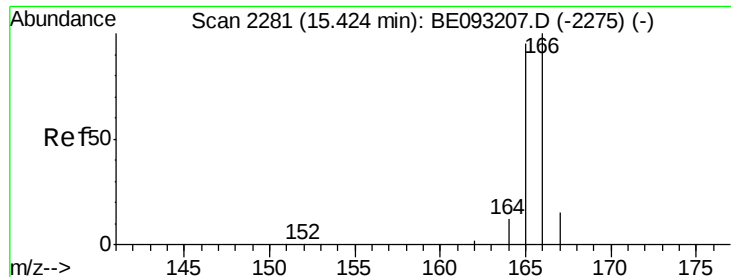
Ion Ratio Lower Upper

153 100

152 62.8 40.3 60.5#

154 89.3 71.4 107.2





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampled :

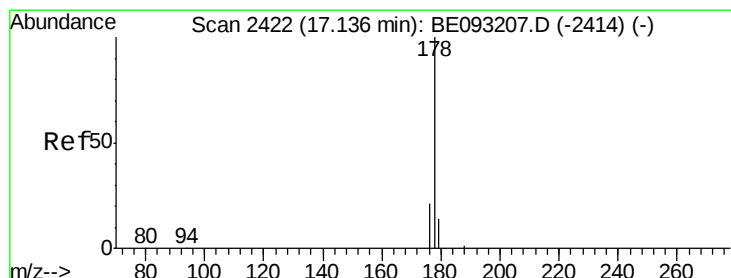
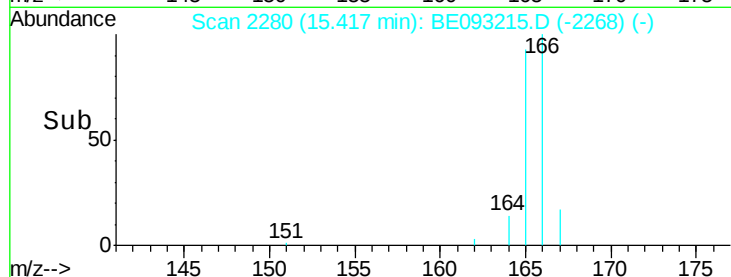
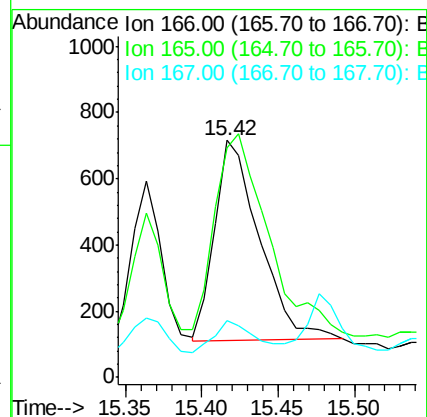
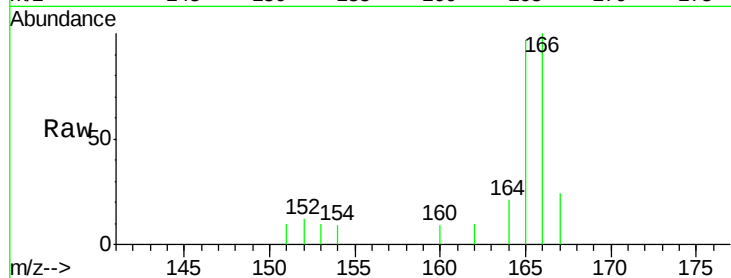
Tot Ion:166 Resp: 1234

Ion Ratio Lower Upper

166 100

165 97.1 73.4 110.2

167 23.9 14.6 22.0#



#12

Phenanthrene

Concen: 0.44 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

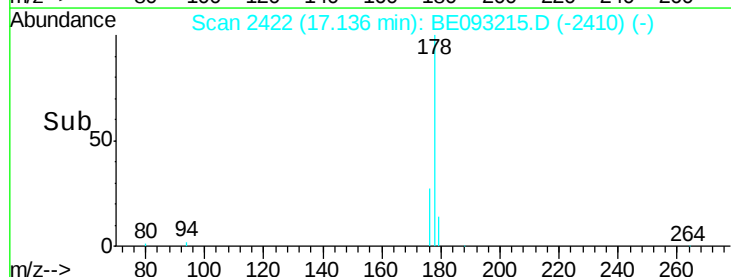
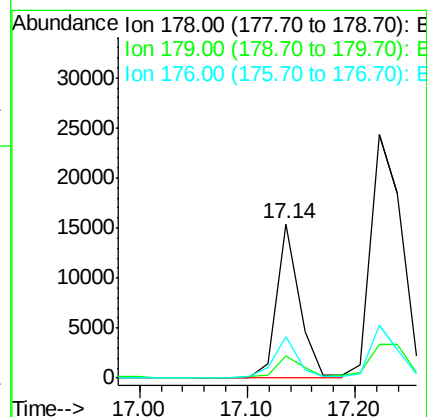
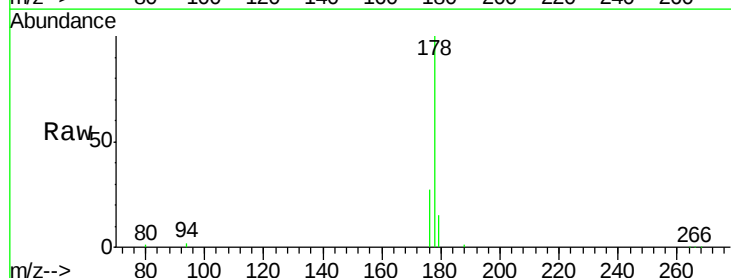
Tgt Ion:178 Resp: 22530

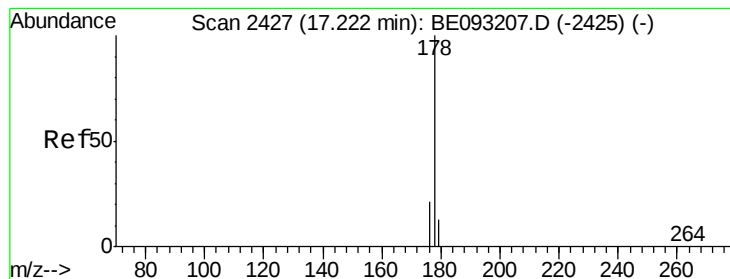
Ion Ratio Lower Upper

178 100

179 14.6 18.4 27.6#

176 27.0 13.6 20.4#





#13

Anthracene

Concen: 1.13 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampleId :

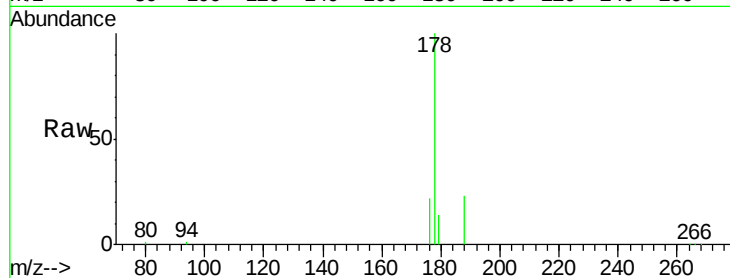
Tot Ion:178 Resp: 50015

Ion Ratio Lower Upper

178 100

179 13.6 18.1 27.1#

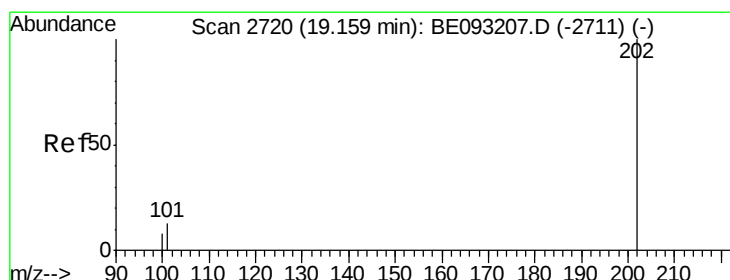
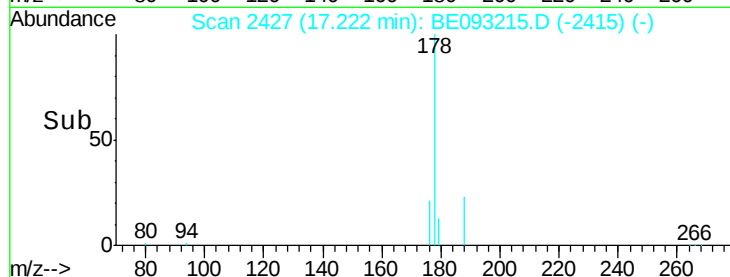
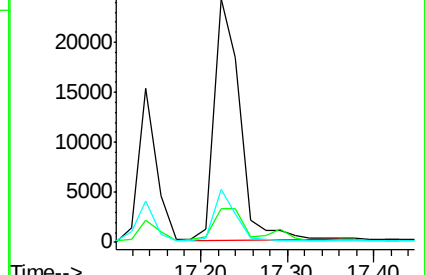
176 21.6 14.7 22.1



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: 7.15 ng/ul

RT: 19.16 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

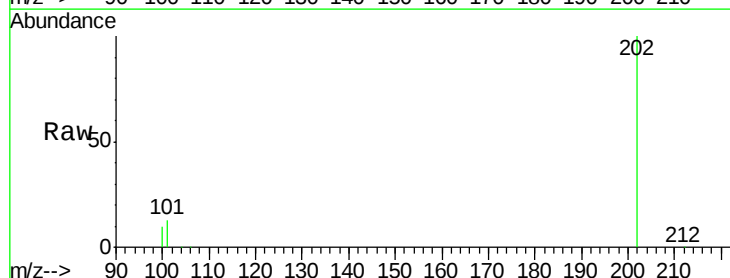
Tgt Ion:202 Resp: 447430

Ion Ratio Lower Upper

202 100

101 13.3 0.0 30.3

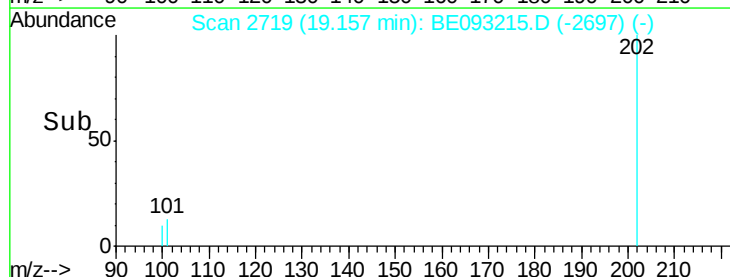
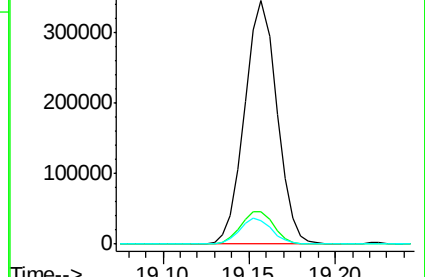
100 9.8 0.0 39.5

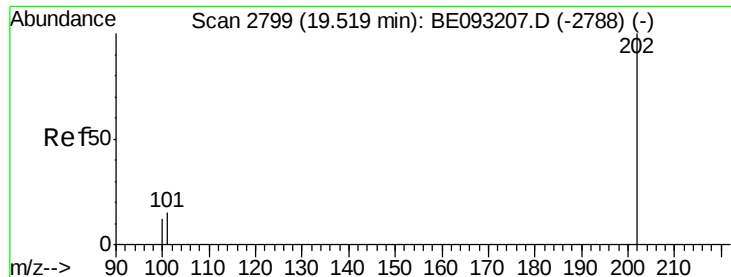


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 8.11 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093215.D

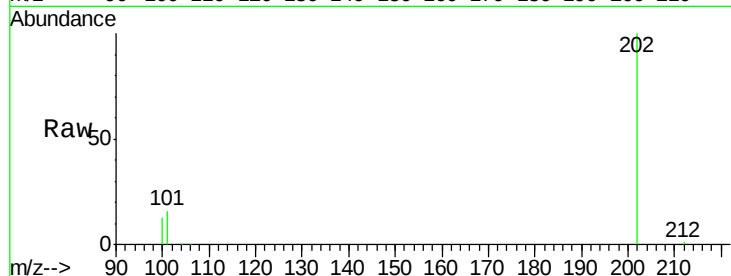
Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampled :

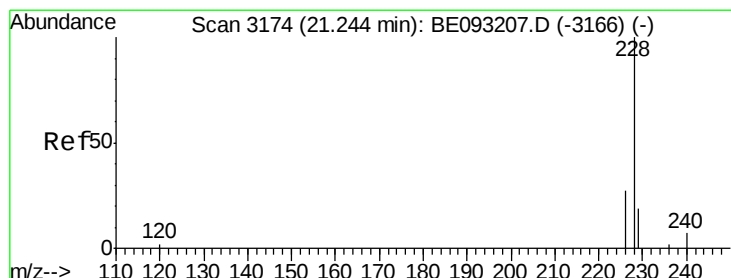
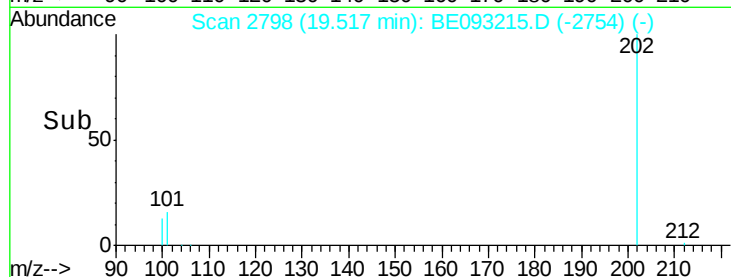
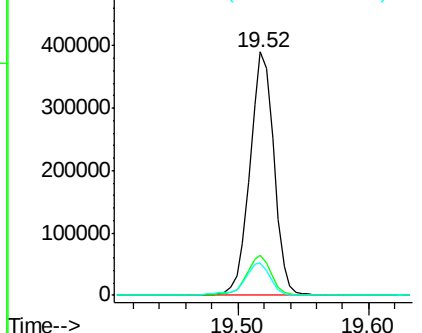
Tot Ion:	202	Resp:	499056
Ion Ratio	Lower	Upper	
202	100		
101	16.4	18.2	27.4#
100	13.4	15.6	23.4#



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



#18

Benzo(a)anthracene

Concen: 4.28 ng/ul

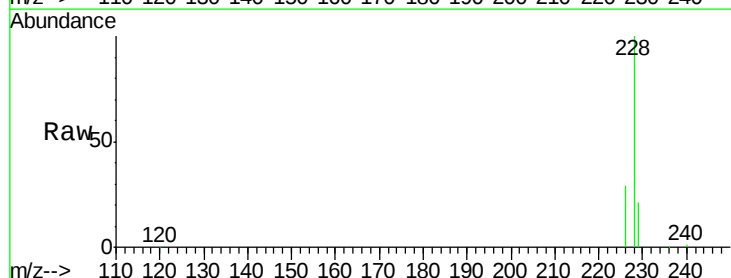
RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

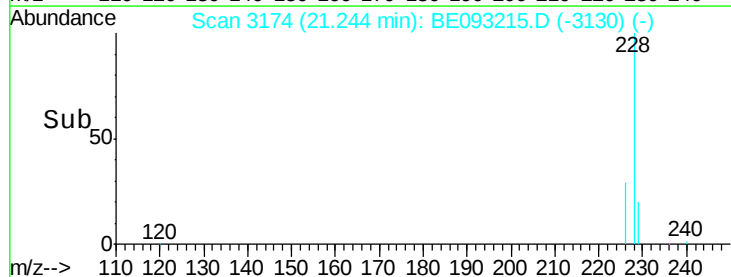
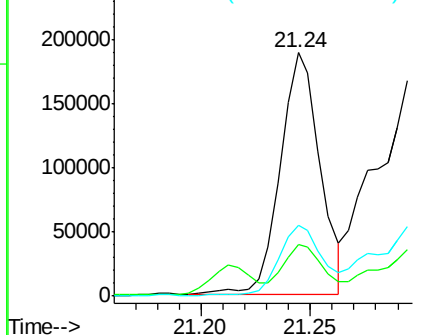
Tgt Ion:	228	Resp:	238401
Ion Ratio	Lower	Upper	
228	100		
229	20.9	22.8	34.2#
226	29.1	17.0	25.6#

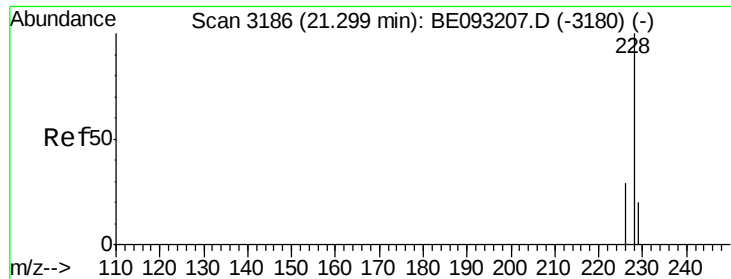


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 5.69 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampleId :

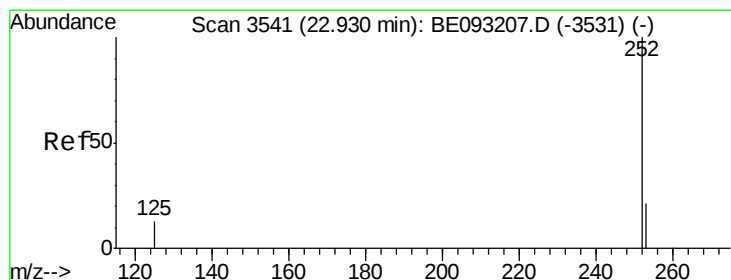
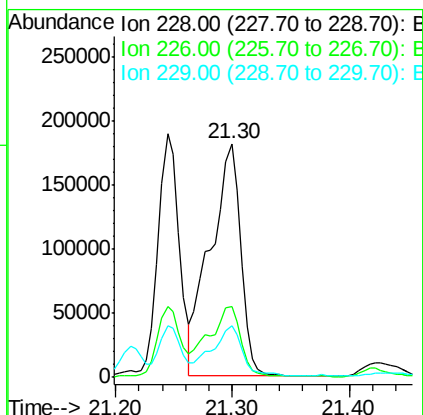
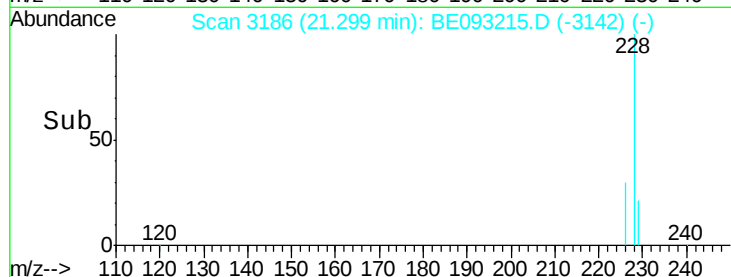
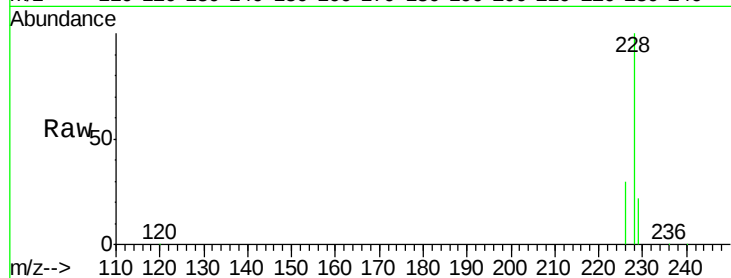
Tot Ion:228 Resp: 328477

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 22.0 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 14.00 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

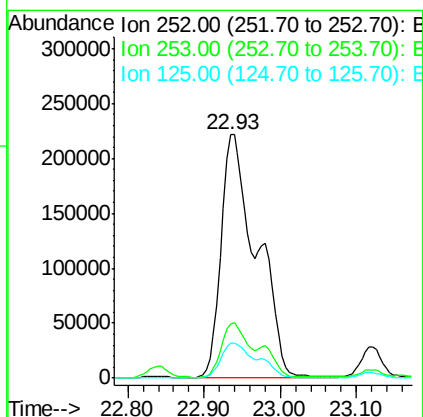
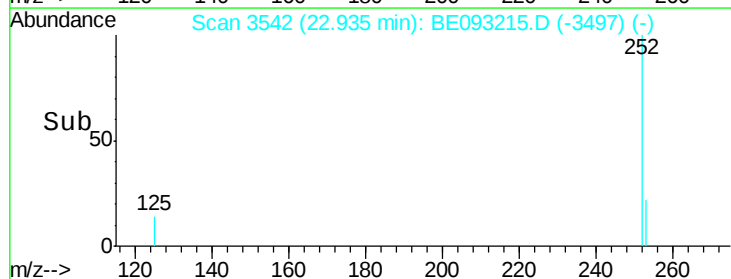
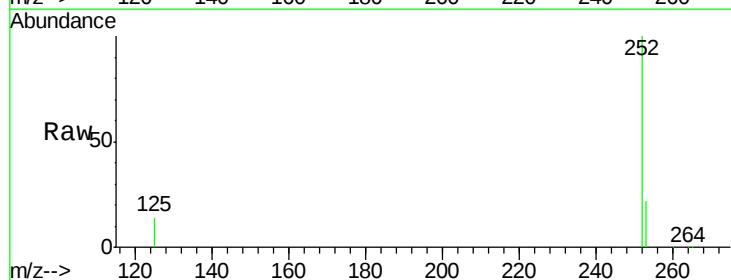
Tgt Ion:252 Resp: 715891

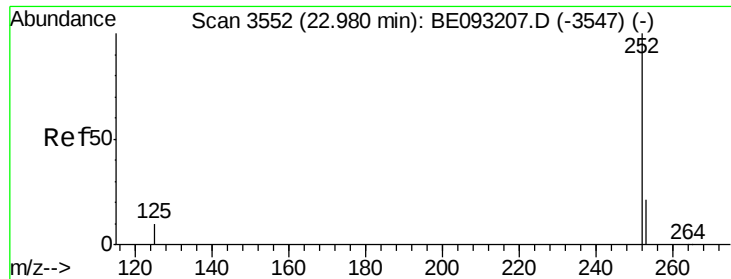
Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

125 14.2 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.91 ng/ul

RT: 23.12 min Scan# 3583

Delta R.T. 0.14 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampleId :

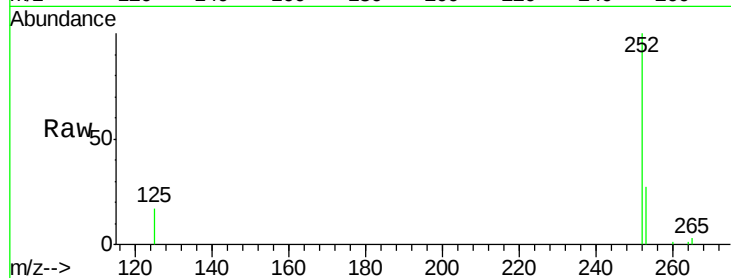
Tot Ion:252 Resp: 49604

Ion Ratio Lower Upper

252 100

253 27.3 24.5 36.7

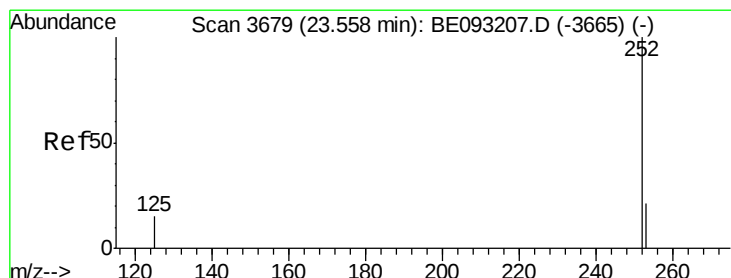
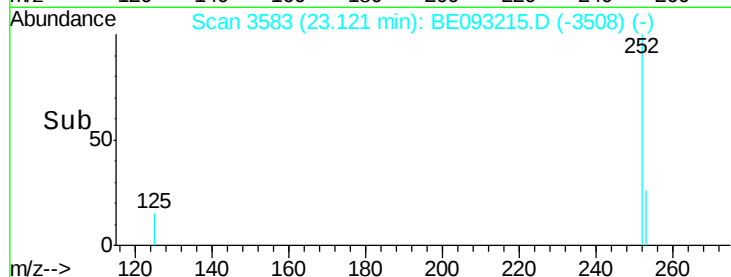
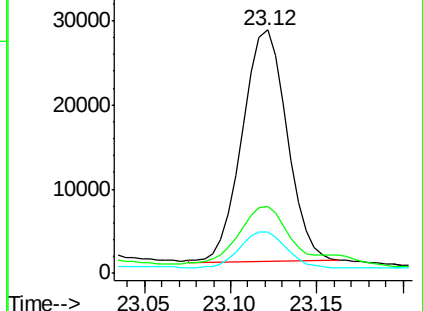
125 17.3 13.7 20.5



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: 4.63 ng/ul

RT: 23.56 min Scan# 3680

Delta R.T. 0.01 min

Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

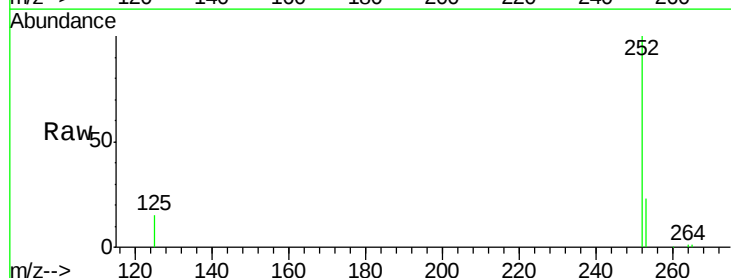
Tgt Ion:252 Resp: 223700

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

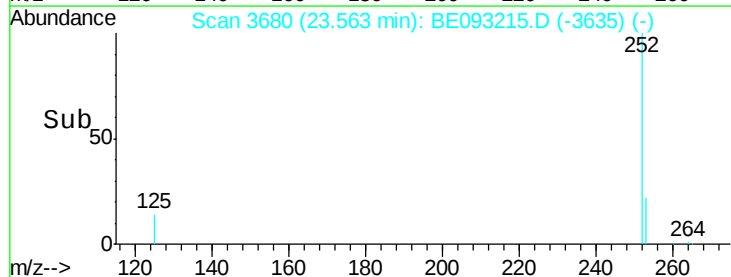
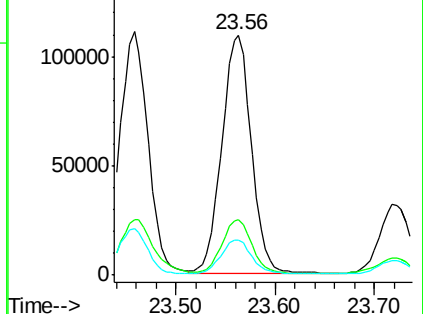
125 14.7 18.1 27.1#

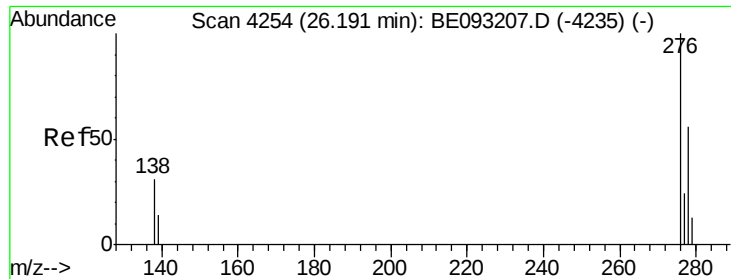


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



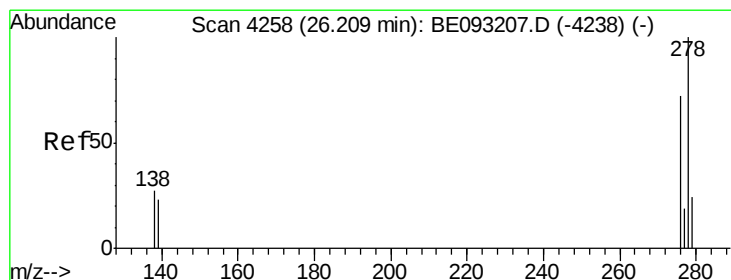
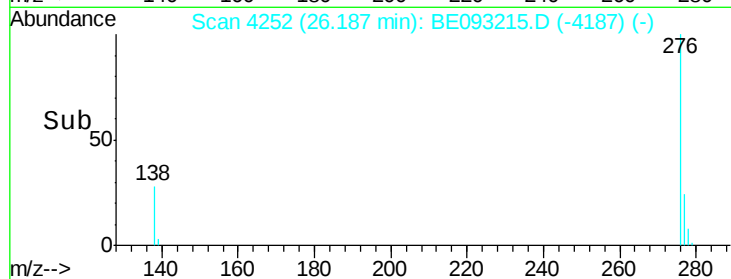
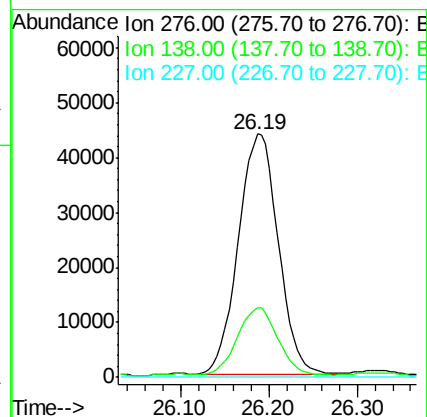
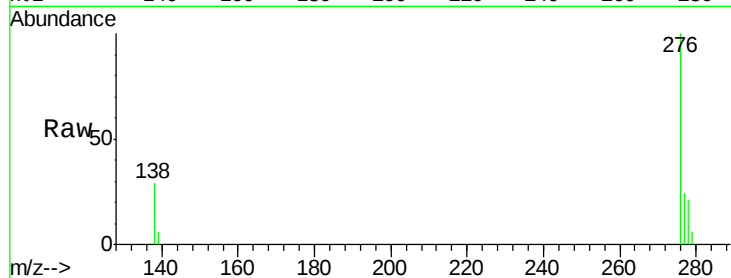


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.45 ng/ul
RT: 26.19 min Scan# 4252
Delta R.T. -0.00 min
Lab File: BE093215.D
Acq: 15 Jun 2017 19:17

Instrument :
BNA_E
ClientSampled :

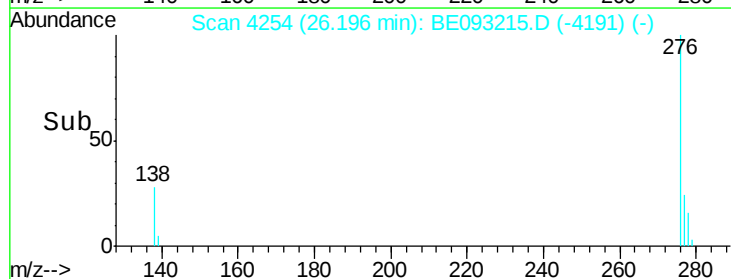
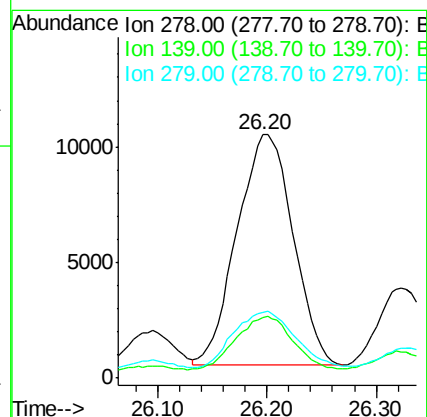
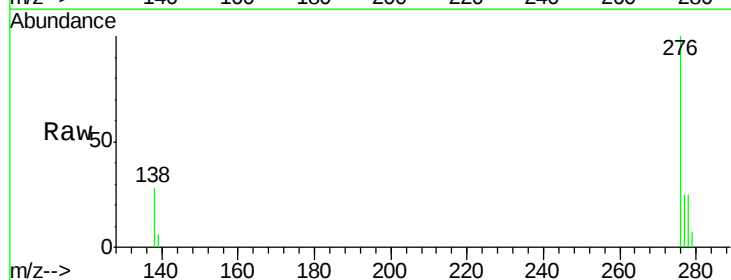
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	28.0	42.0
227	0.0	8.0	12.0

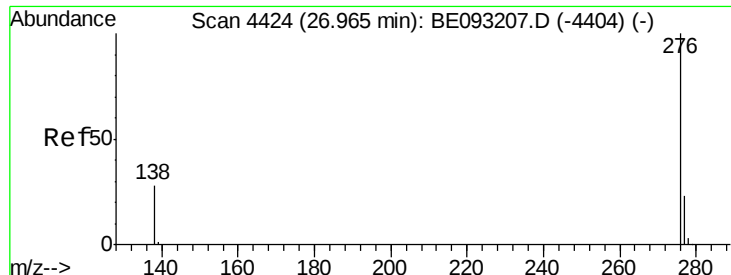


#25

Dibenzo(a,h)anthracene
Concen: 0.76 ng/ul
RT: 26.20 min Scan# 4254
Delta R.T. -0.01 min
Lab File: BE093215.D
Acq: 15 Jun 2017 19:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	17.4	26.0
279	26.9	25.9	38.9





#26

Benzo(a,h,i)perylene

Concen: 2.06 ng/ul

RT: 26.97 min Scan# 4423

Delta R.T. 0.00 min

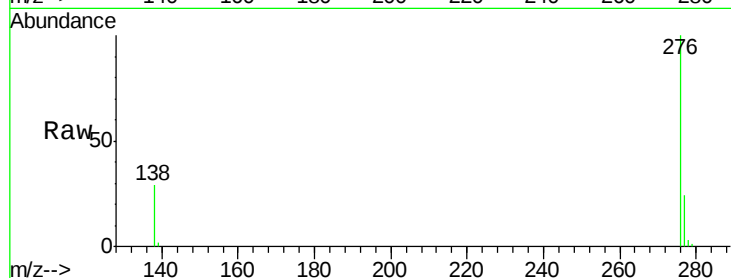
Lab File: BE093215.D

Acq: 15 Jun 2017 19:17

Instrument :

BNA_E

ClientSampleId :



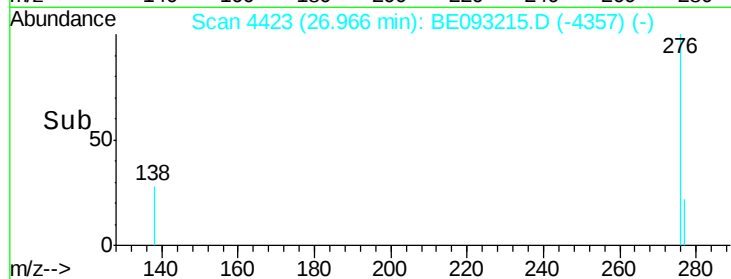
Tot Ion:276 Resp: 98954

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.8

277 24.1 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

