

Data File : BE093145.D
Acq On : 13 Jun 2017 23:58
Operator : SJ/MA
Sample : I3558-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A55

Quant Time: Jun 14 08:39:27 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 08:39:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4966	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	23568	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	14321	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	33406	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	37499	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	40664	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	5566	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	17347	0.19	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	11914	0.20	ng/ul#	92
5) 2-Methylnaphthalene	12.19	142	2412	0.06	ng/ul	98
7) Acenaphthylene	14.09	152	1343	0.02	ng/ul#	86
8) Acenaphthene	14.43	153	2582	0.05	ng/ul	97
9) Fluorene	15.42	166	3451	0.06	ng/ul	94
12) Phenanthrene	17.13	178	20331	0.22	ng/ul#	87
13) Anthracene	17.22	178	4846	0.06	ng/ul#	92
15) Fluoranthene	19.15	202	16572	0.15	ng/ul	84
17) Pyrene	19.51	202	16446	0.15	ng/ul#	91
18) Benzo(a)anthracene	21.24	228	6034	0.06	ng/ul#	87
19) Chrysene	21.29	228	6087	0.06	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	9393	0.08	ng/ul#	86
22) Benzo(k)fluoranthene	22.93	252	9393	0.07	ng/ul#	83
23) Benzo(a)pyrene	23.55	252	4534	0.04	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.18	276	2599	0.02	ng/ul#	80
26) Benzo(g,h,i)perylene	26.95	276	2426	0.02	ng/ul#	74

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

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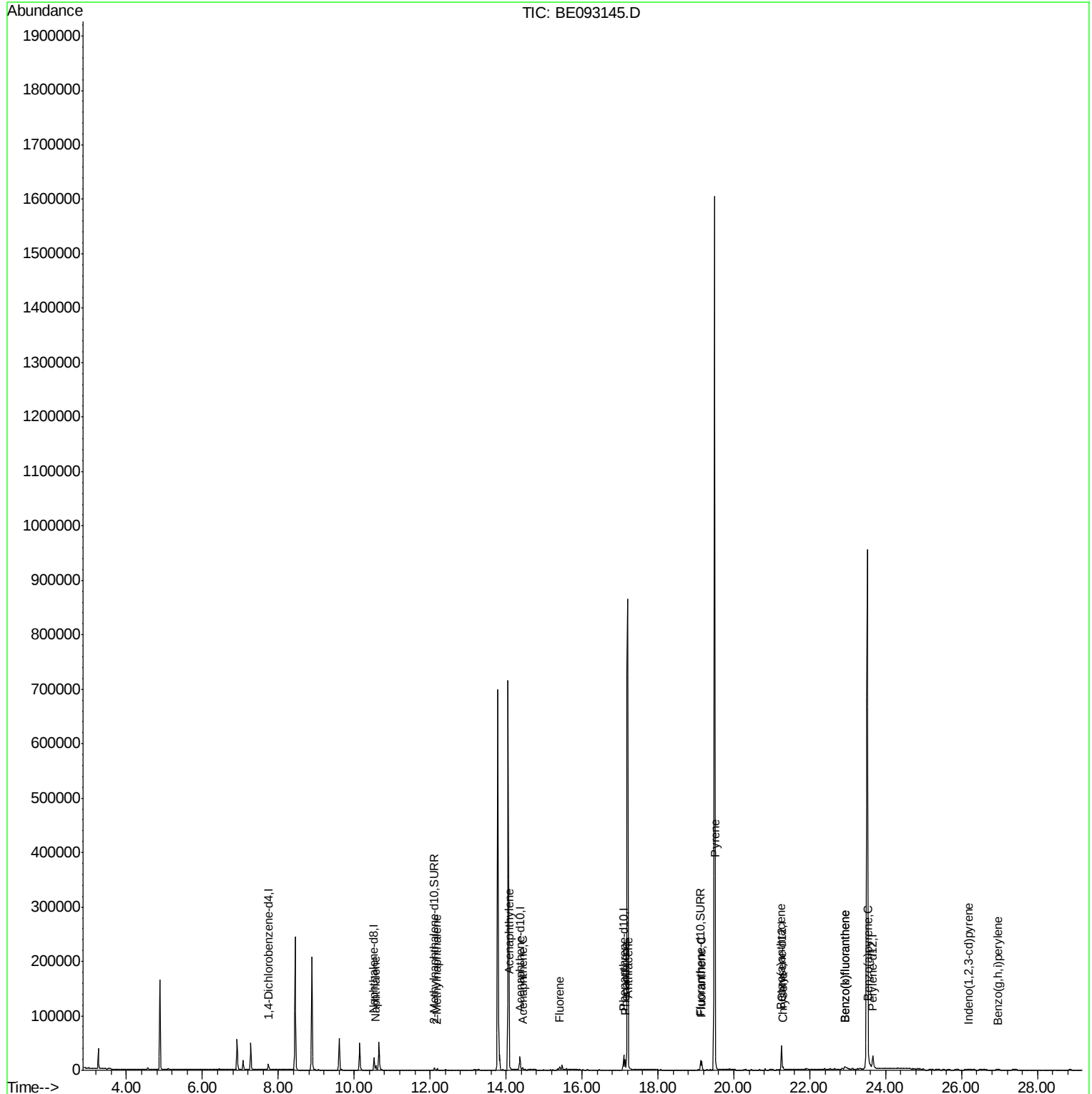
Quant Time: Jun 14 08:39:27 2017

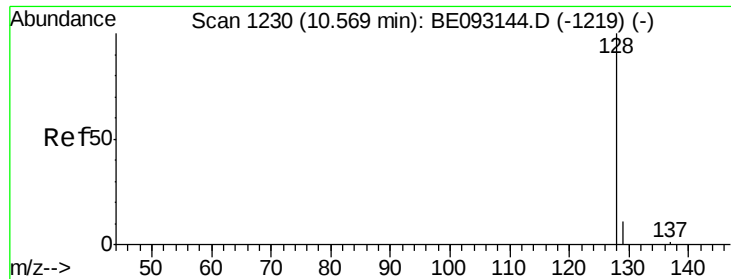
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 14 08:39:04 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampleId :

F5A55

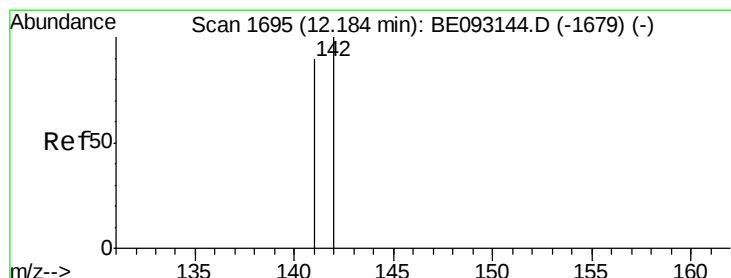
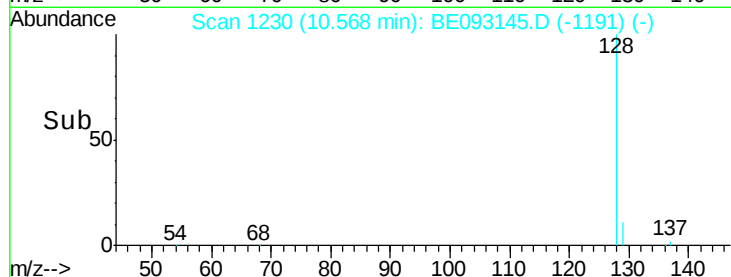
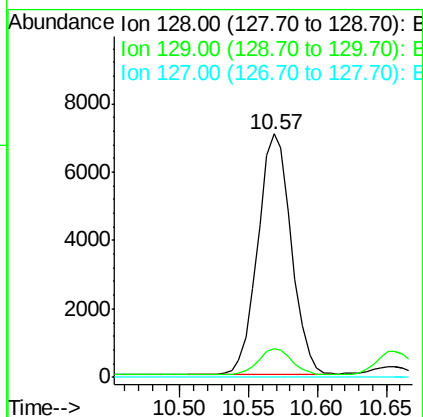
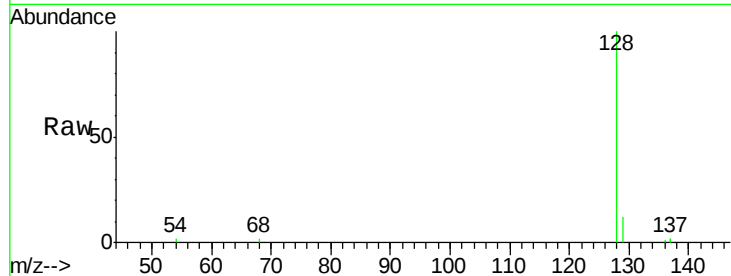
Tgt Ion:128 Resp: 11914

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.19 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BE093145.D

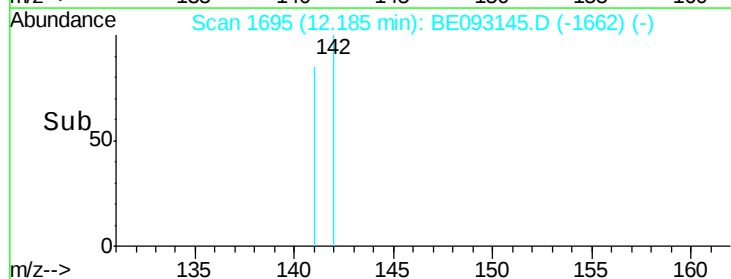
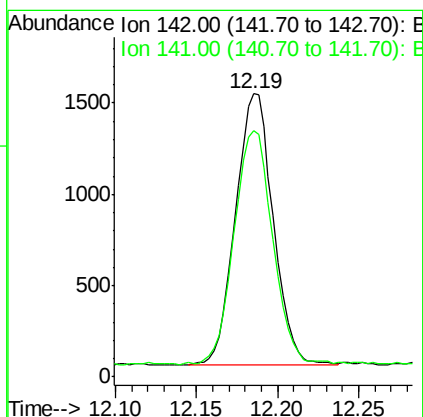
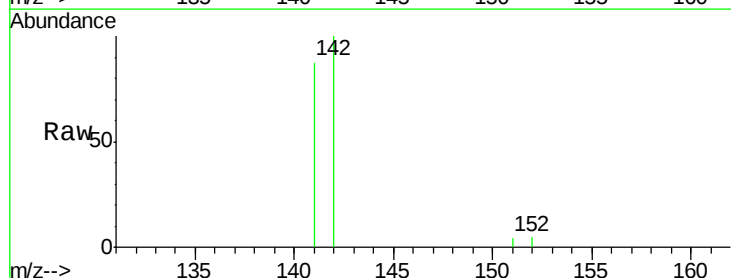
Acq: 13 Jun 2017 23:58

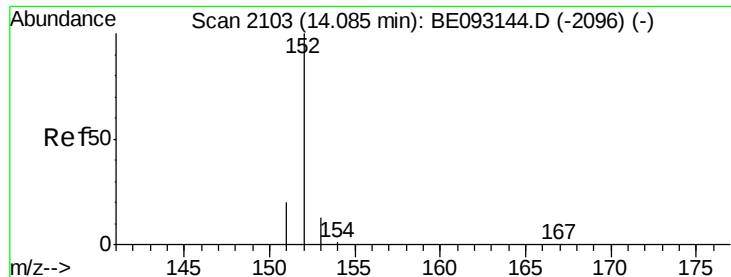
Tgt Ion:142 Resp: 2412

Ion Ratio Lower Upper

142 100

141 88.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampleId :

F5A55

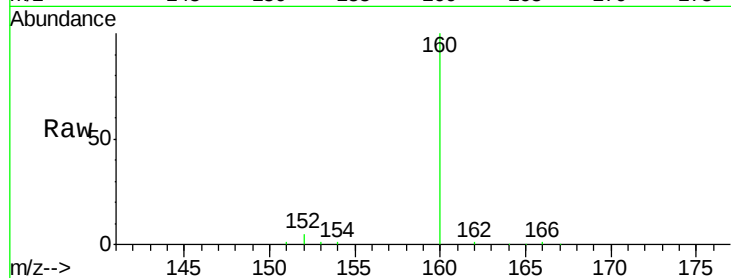
Tgt Ion:152 Resp: 1343

Ion Ratio Lower Upper

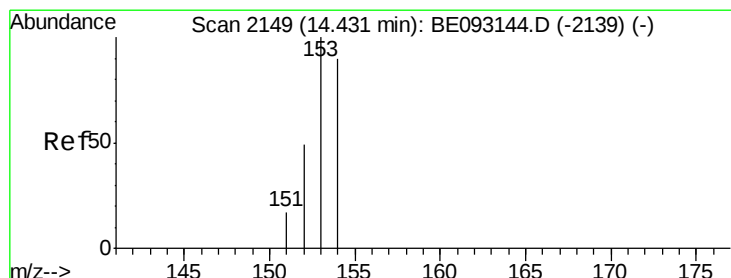
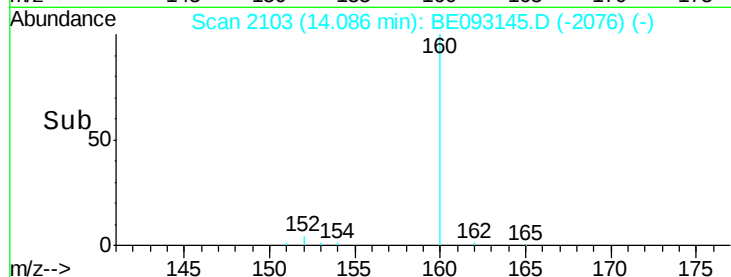
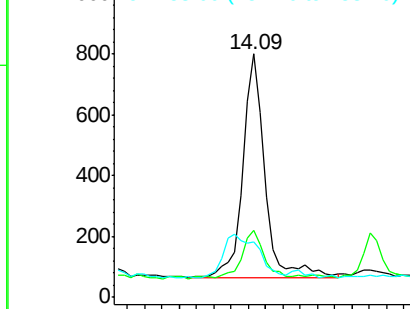
152 100

151 27.5 17.1 25.7#

153 22.8 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: 0.05 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

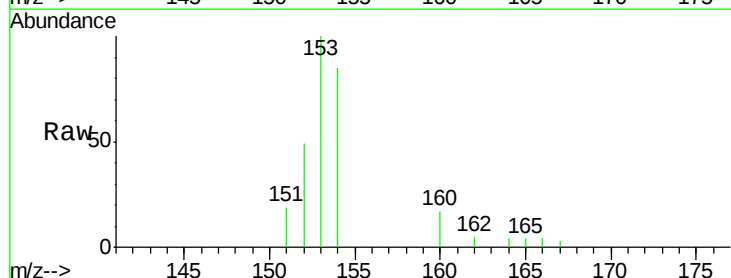
Tgt Ion:153 Resp: 2582

Ion Ratio Lower Upper

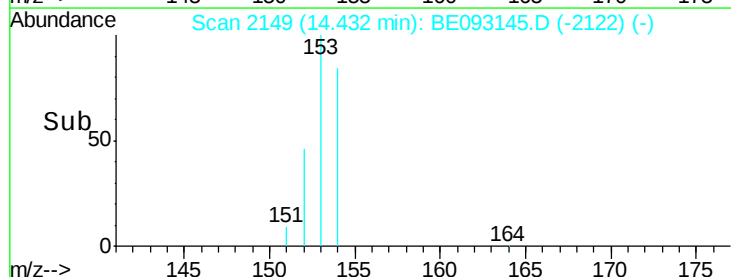
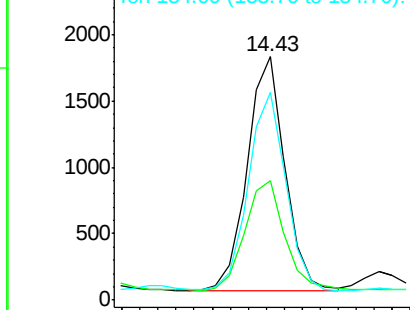
153 100

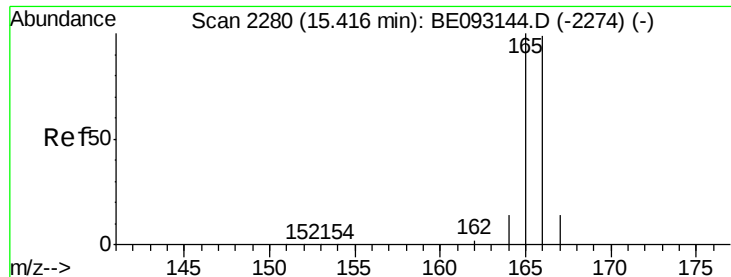
152 48.9 40.3 60.5

154 85.4 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: 0.06 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampled :

F5A55

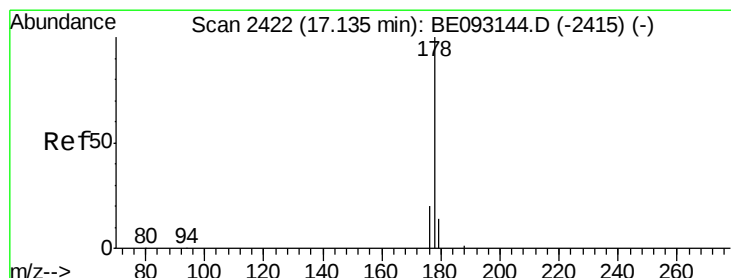
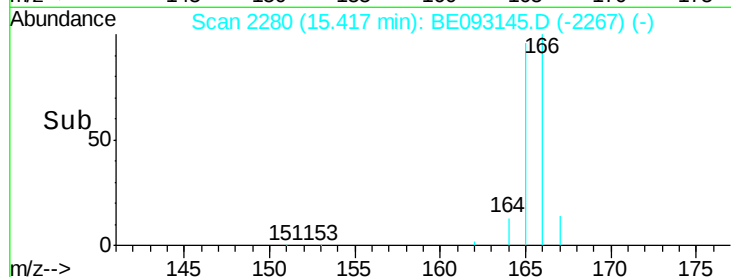
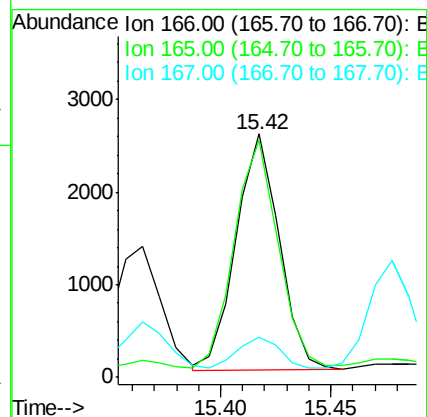
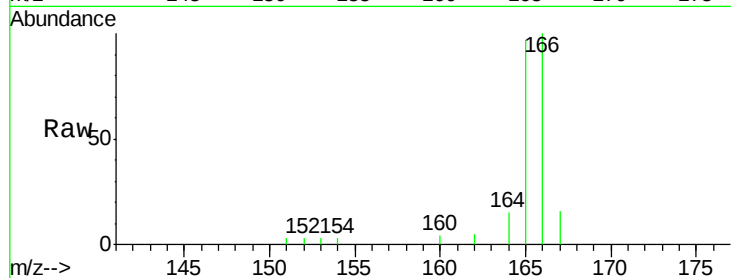
Tgt Ion:166 Resp: 3451

Ion Ratio Lower Upper

166 100

165 97.3 73.4 110.2

167 16.2 14.6 22.0



#12

Phenanthrene

Concen: 0.22 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

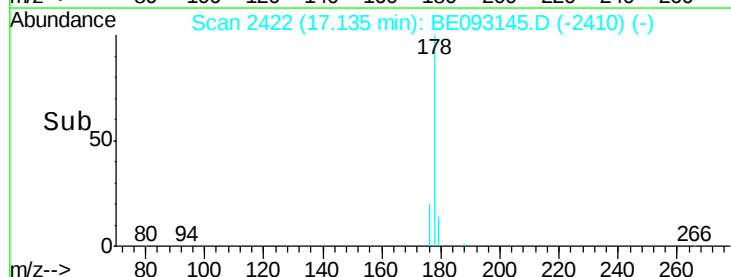
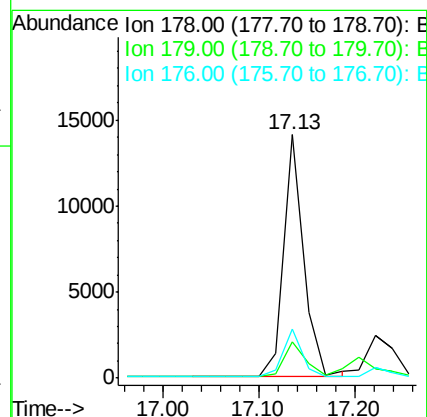
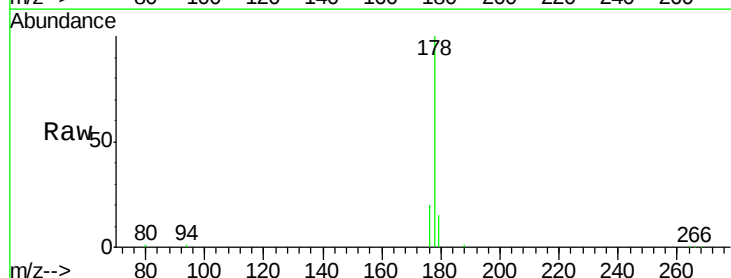
Tgt Ion:178 Resp: 20331

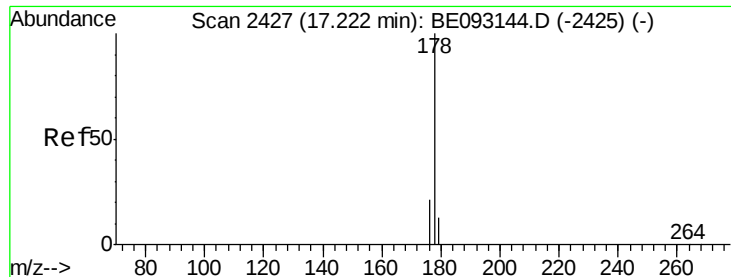
Ion Ratio Lower Upper

178 100

179 14.8 18.4 27.6#

176 20.3 13.6 20.4





#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampleId :

F5A55

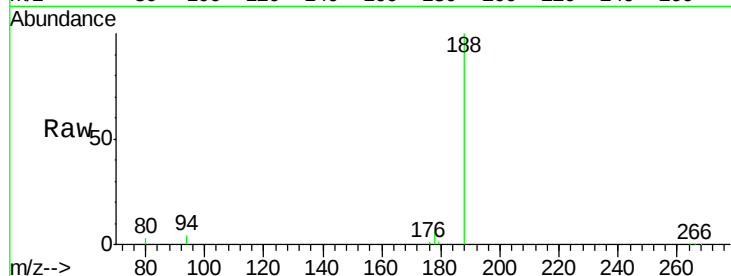
Tgt Ion:178 Resp: 4846

Ion Ratio Lower Upper

178 100

179 20.5 18.1 27.1

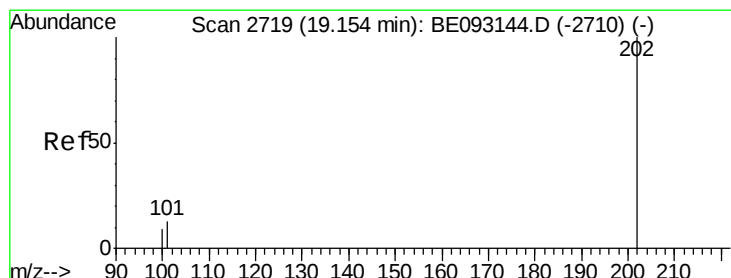
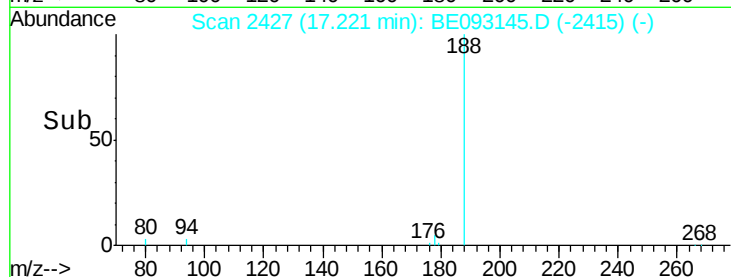
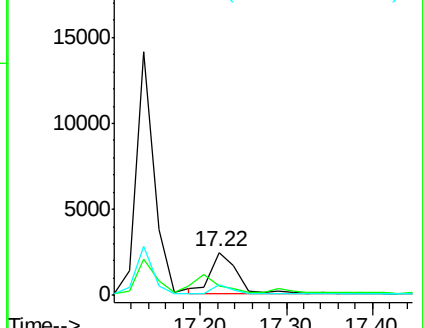
176 24.1 14.7 22.1#



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: 0.15 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

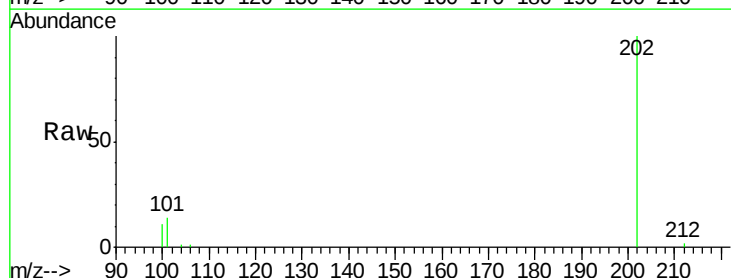
Tgt Ion:202 Resp: 16572

Ion Ratio Lower Upper

202 100

101 13.6 0.0 30.3

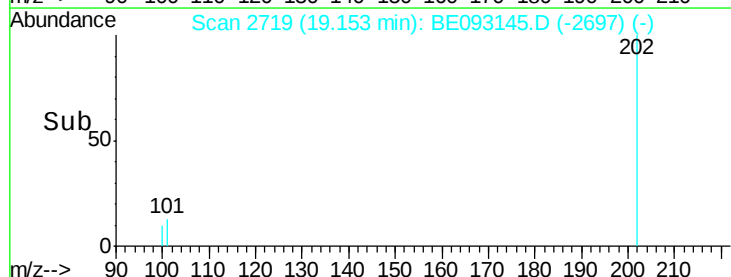
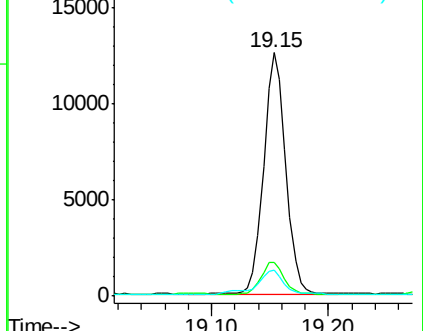
100 10.6 0.0 39.5

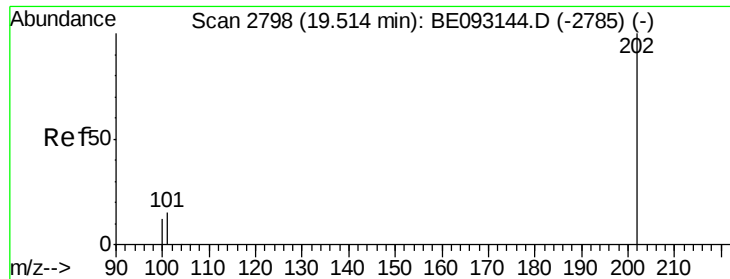


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 0.15 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampleId :

F5A55

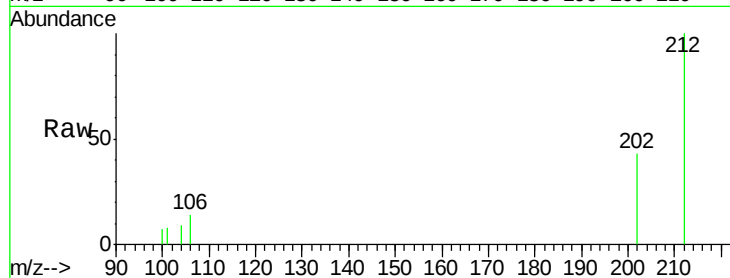
Tgt Ion:202 Resp: 16446

Ion Ratio Lower Upper

202 100

101 17.6 18.2 27.4#

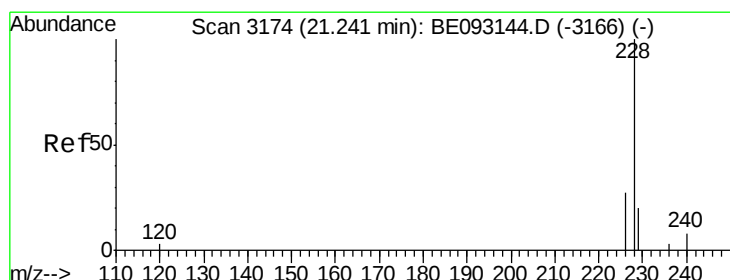
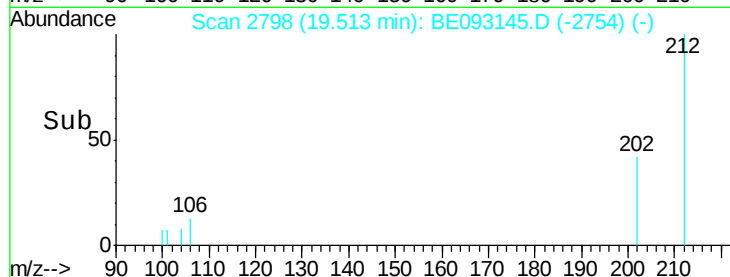
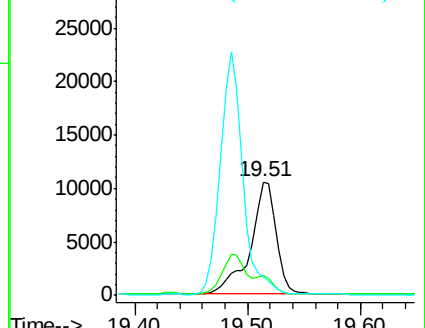
100 16.2 15.6 23.4



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: 0.06 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

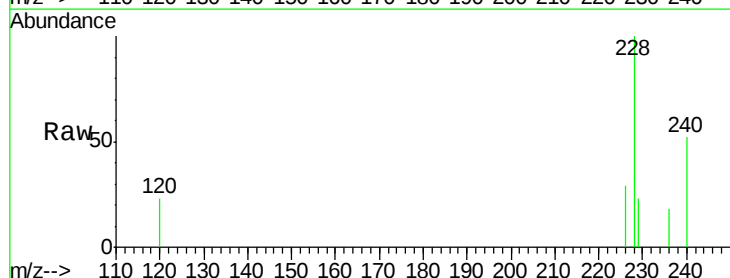
Tgt Ion:228 Resp: 6034

Ion Ratio Lower Upper

228 100

229 23.0 22.8 34.2

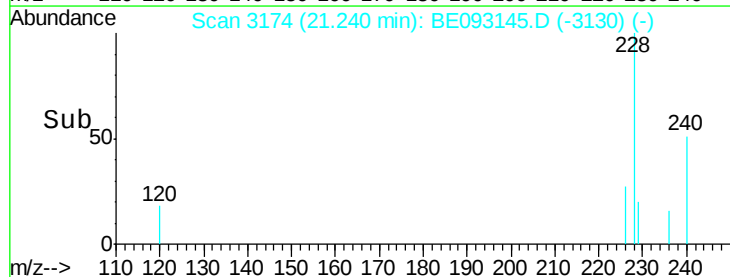
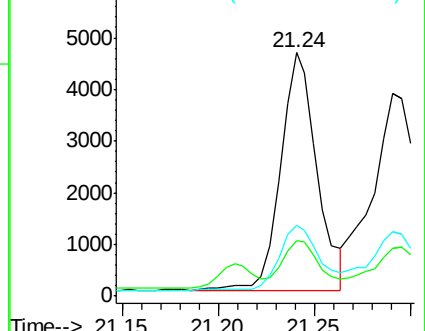
226 28.9 17.0 25.6#

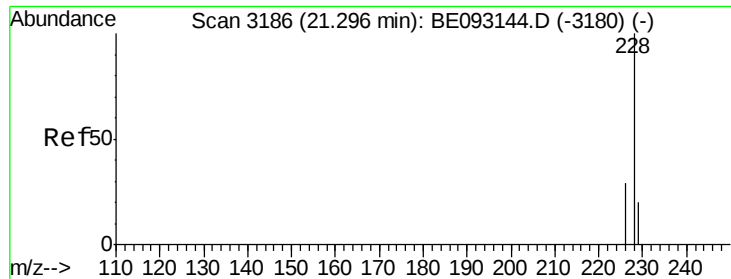


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.06 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.01 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampleId :

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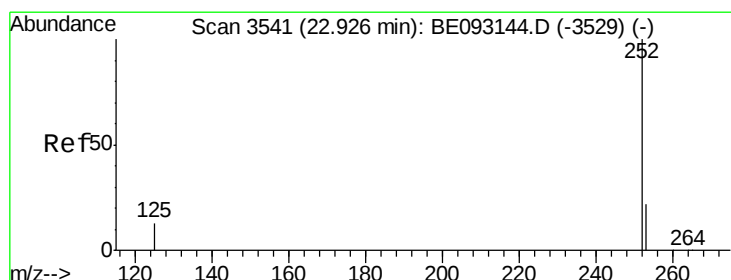
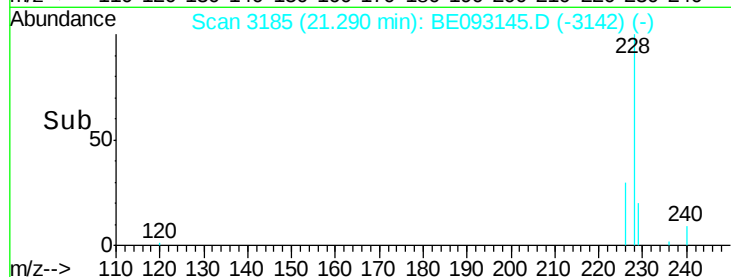
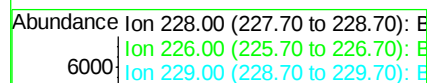
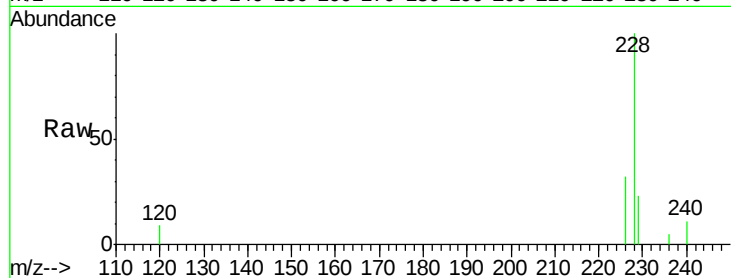
Tgt Ion:228 Resp: 6087

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.0

229 23.3 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 0.08 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

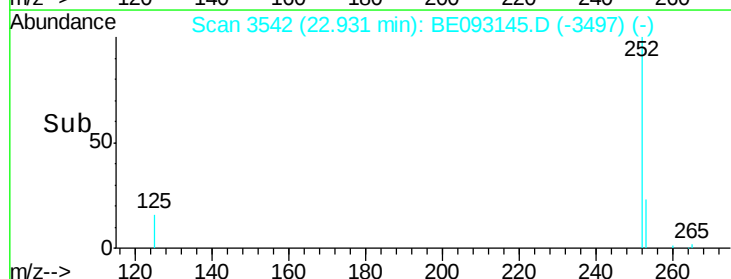
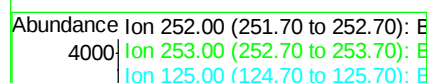
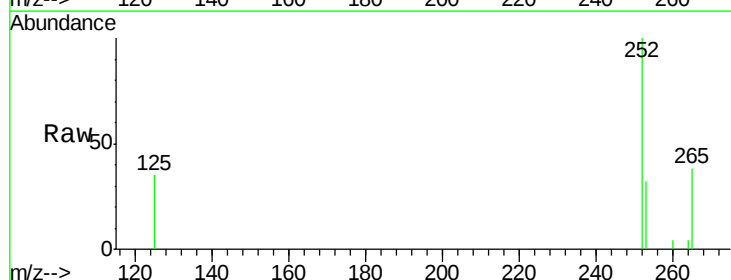
Tgt Ion:252 Resp: 9393

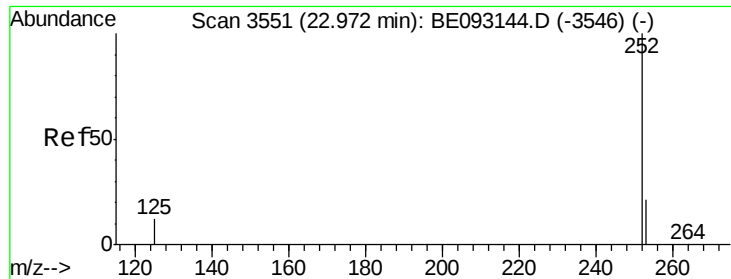
Ion Ratio Lower Upper

252 100

253 32.3 0.0 64.2

125 35.0 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.04 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampleId :

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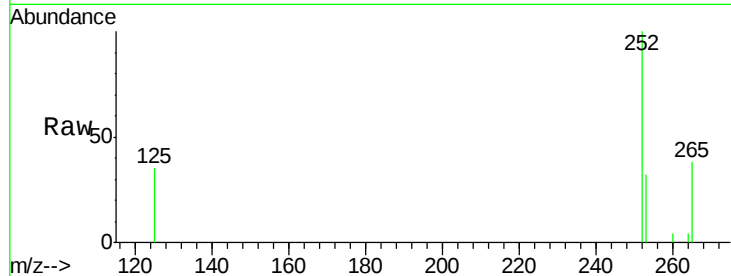
Tgt Ion:252 Resp: 9393

Ion Ratio Lower Upper

252 100

253 32.3 24.5 36.7

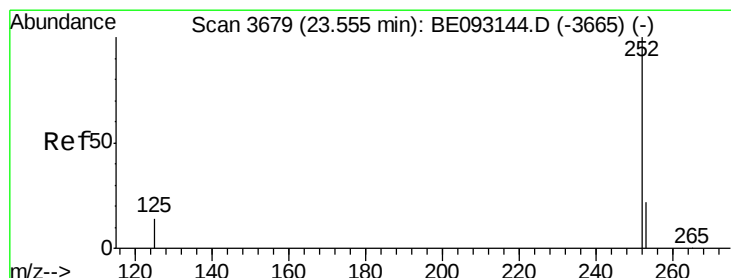
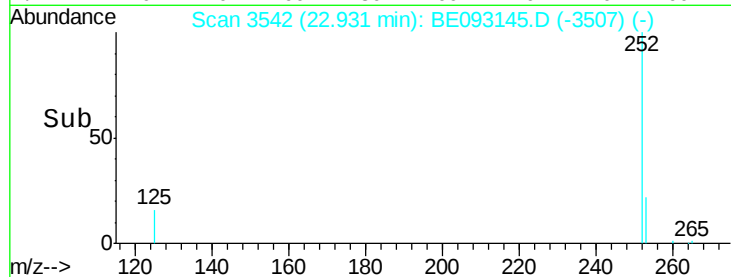
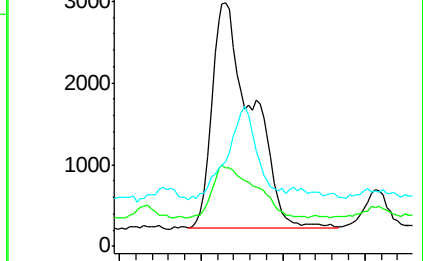
125 35.0 13.7 20.5#



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: 0.04 ng/ul

RT: 23.55 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

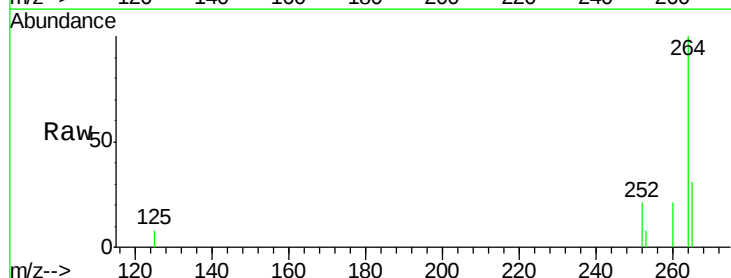
Tgt Ion:252 Resp: 4534

Ion Ratio Lower Upper

252 100

253 36.2 28.5 42.7

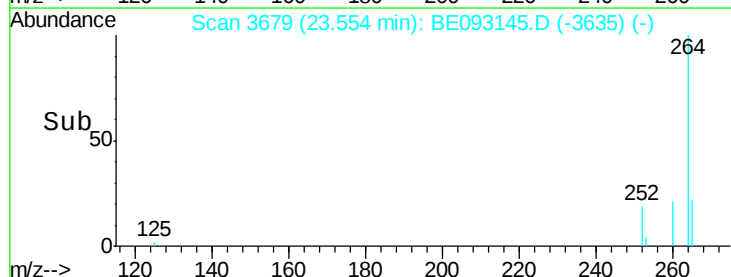
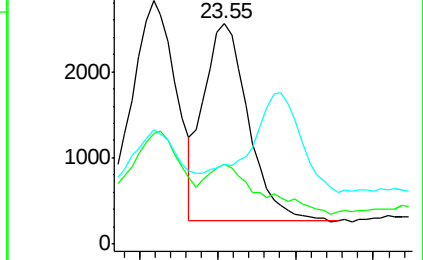
125 36.1 18.1 27.1#

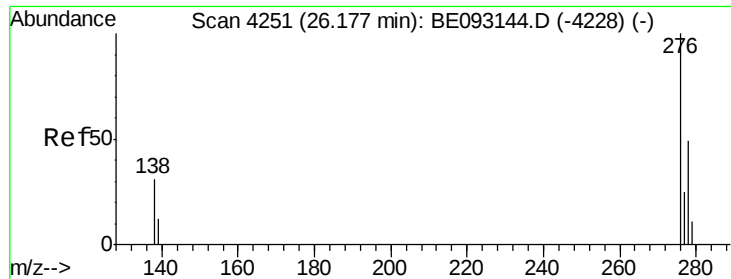


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.02 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Instrument :

BNA_E

ClientSampleId :

F5A55

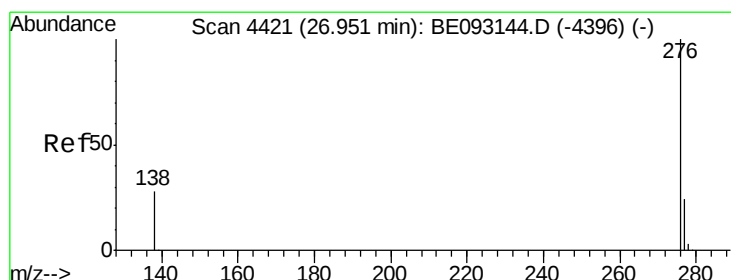
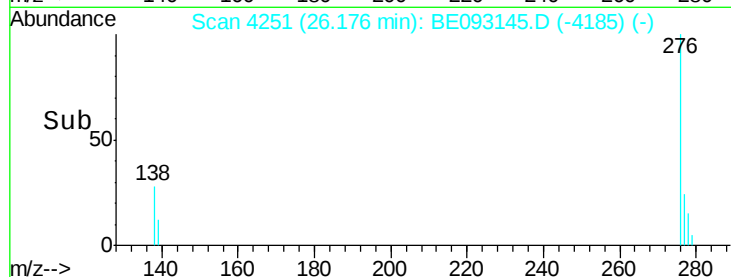
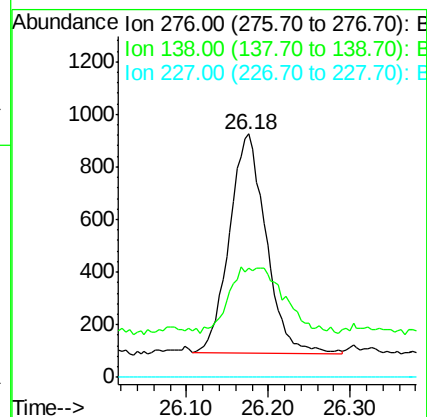
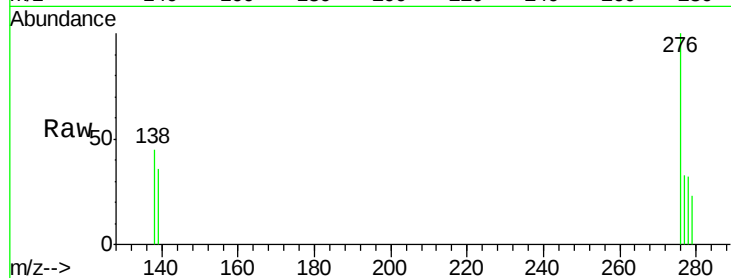
Tgt Ion:276 Resp: 2599

Ion Ratio Lower Upper

276 100

138 45.1 28.0 42.0#

227 0.0 8.0 12.0#



#26

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 26.95 min Scan# 4421

Delta R.T. -0.00 min

Lab File: BE093145.D

Acq: 13 Jun 2017 23:58

Tgt Ion:276 Resp: 2426

Ion Ratio Lower Upper

276 100

138 45.6 21.8 32.8#

277 33.9 20.5 30.7#

