

Data File : BE093190.D
Acq On : 15 Jun 2017 3:46
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C30

Quant Time: Jun 15 04:52:41 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3607	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	19064	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11906	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	27808	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	27465	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	1227936	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	6534	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	17979	0.24	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	8500	0.18	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	2133	0.07	ng/ul	99
7) Acenaphthylene	14.09	152	99812	1.95	ng/ul	96
8) Acenaphthene	14.43	153	3039	0.07	ng/ul	95
9) Fluorene	15.42	166	4384	0.09	ng/ul	90
11) Pentachlorophenol	16.77	266	53	0.01	ng/ul#	44
12) Phenanthrene	17.14	178	443592	5.80	ng/ul#	84
13) Anthracene	17.22	178	150539	2.26	ng/ul#	86
15) Fluoranthene	19.16	202	1665659	17.75	ng/ul	83
17) Pyrene	19.52	202	1330673	16.43	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	371419	5.07	ng/ul#	83
19) Chrysene	21.30	228	633336	8.33	ng/ul	99
21) Benzo(b)fluoranthene	22.94	252	754376	0.20	ng/ul	87
22) Benzo(k)fluoranthene	22.94	252	1020446	0.26	ng/ul#	89
23) Benzo(a)pyrene	23.46	252	325306	0.09	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.92	276	47632	0.01	ng/ul#	71
25) Dibenzo(a,h)anthracene	25.86	278	66727	0.02	ng/ul	95
26) Benzo(g,h,i)perylene	26.97	276	189830	0.05	ng/ul	96

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

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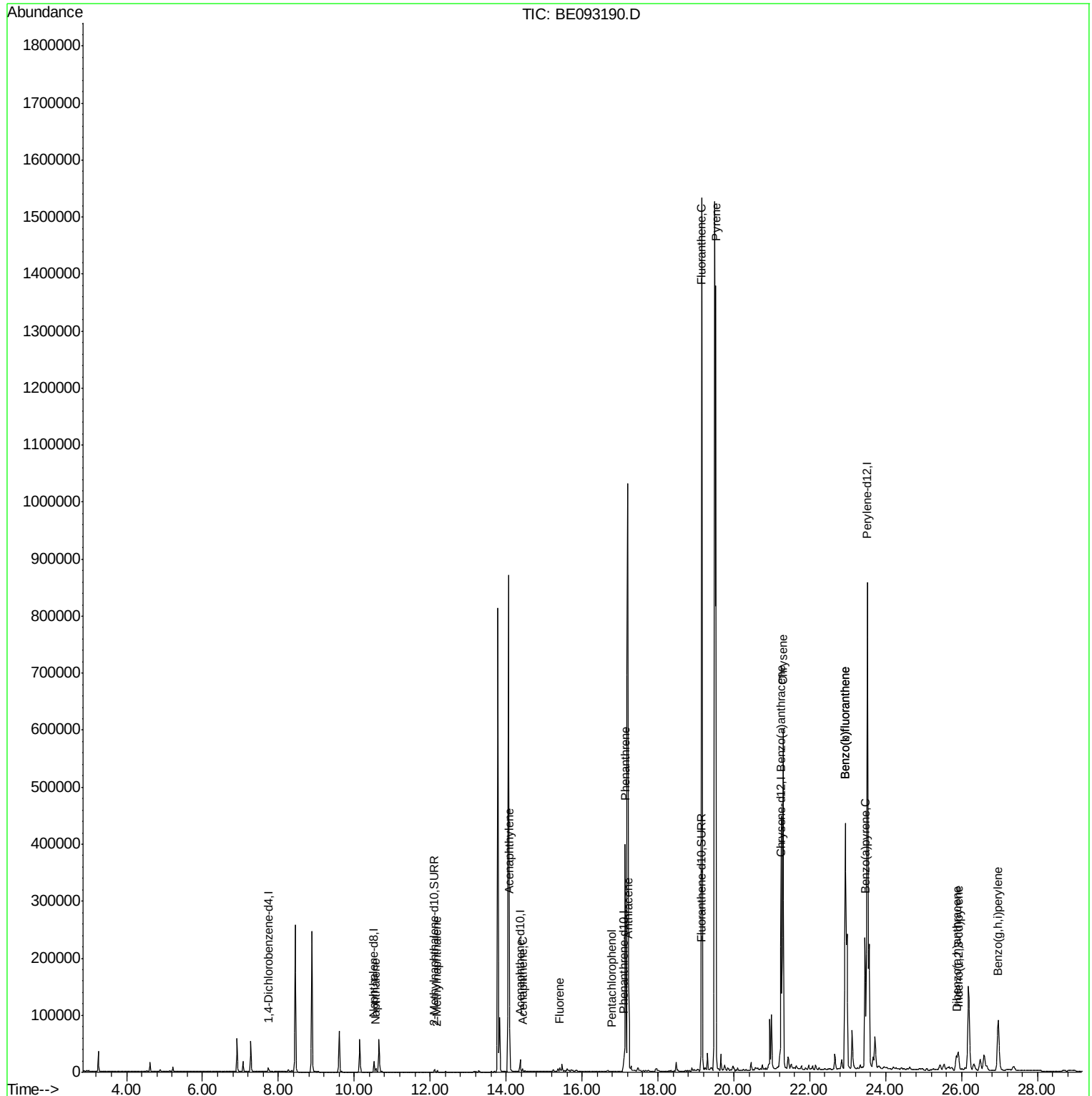
Quant Time: Jun 15 04:52:41 2017

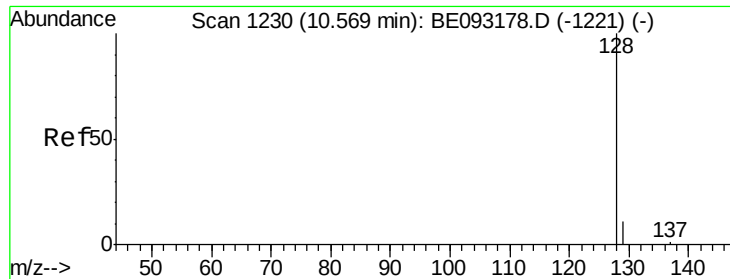
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.18 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5C30

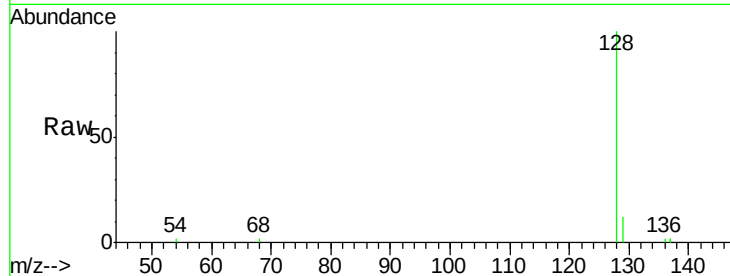
Tgt Ion:128 Resp: 8500

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

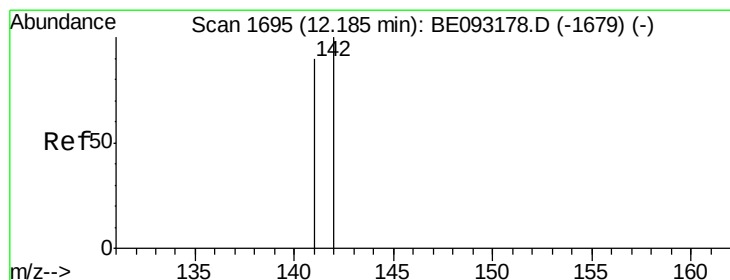
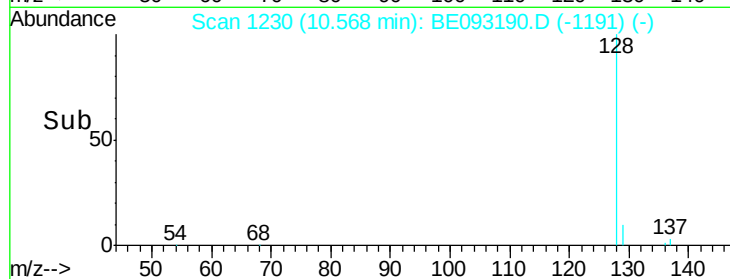
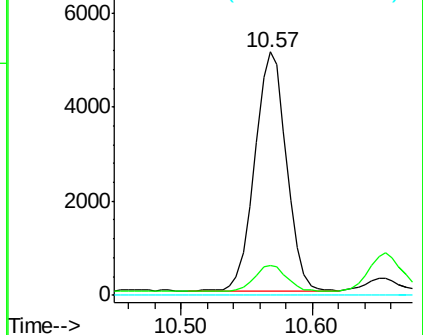
127 0.0 4.0 6.0#



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: 0.07 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093190.D

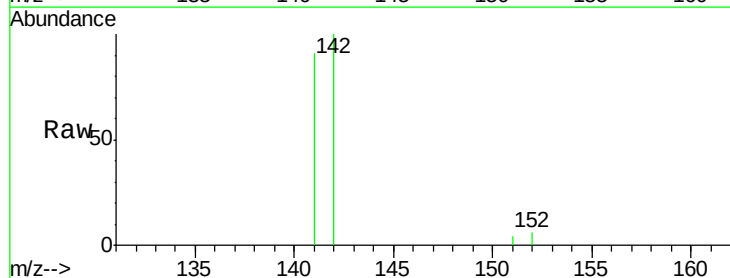
Acq: 15 Jun 2017 3:46

Tgt Ion:142 Resp: 2133

Ion Ratio Lower Upper

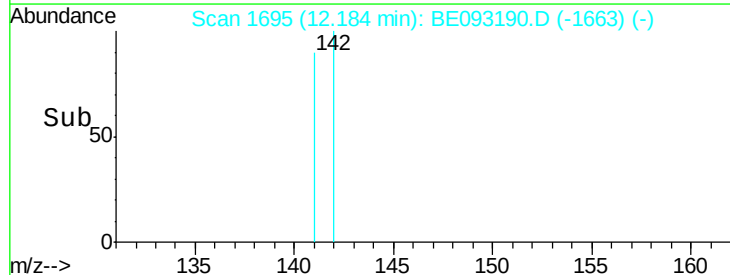
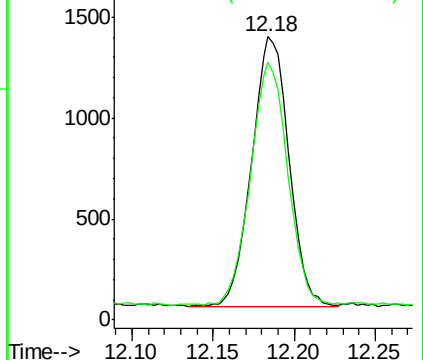
142 100

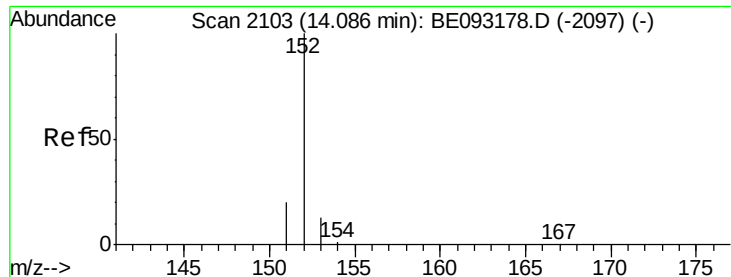
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.95 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

Instrument :

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F5C30

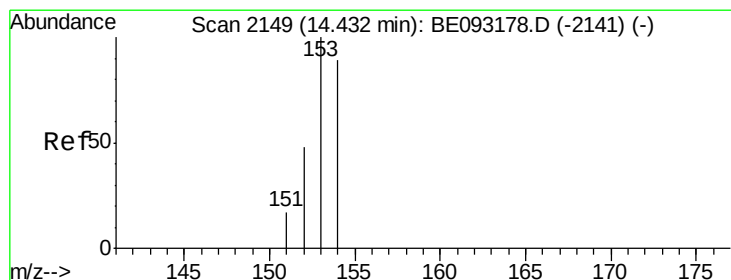
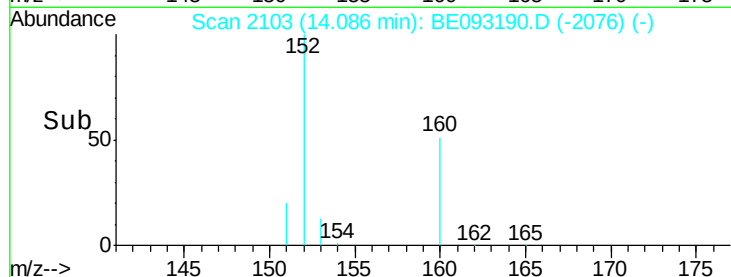
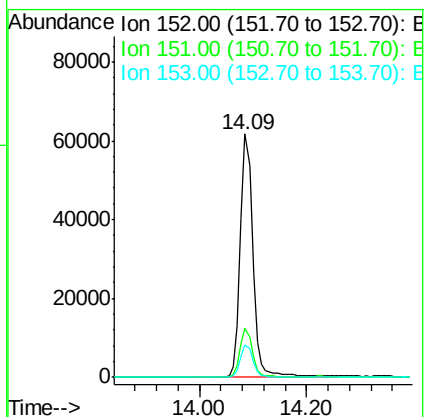
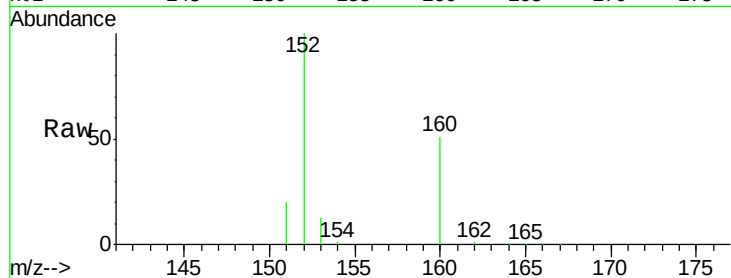
Tgt Ion:152 Resp: 99812

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

153 13.3 12.8 19.2



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

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Acq: 15 Jun 2017 3:46

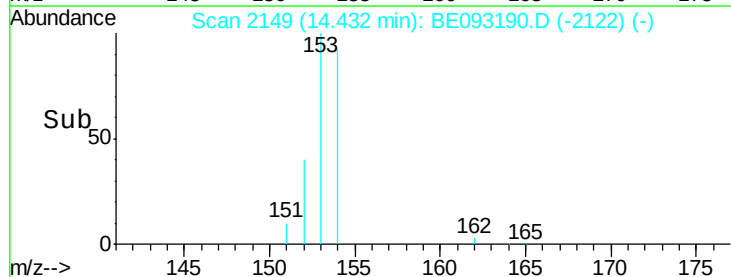
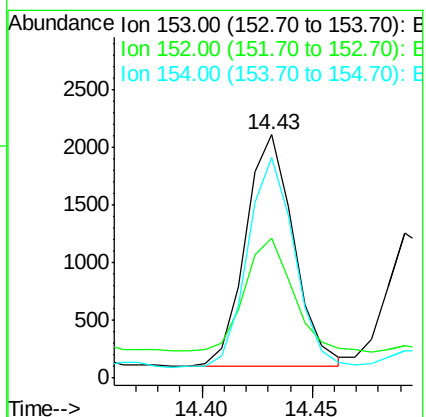
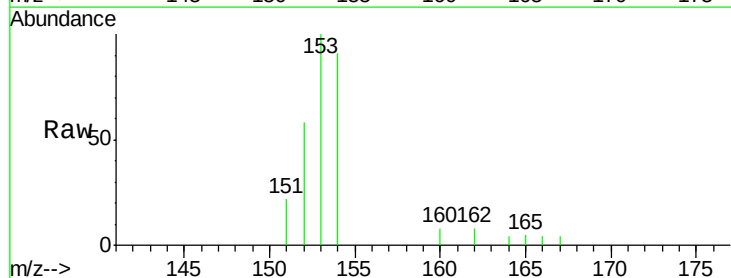
Tgt Ion:153 Resp: 3039

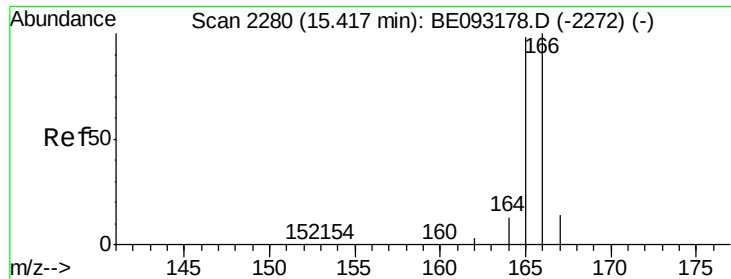
Ion Ratio Lower Upper

153 100

152 57.7 40.3 60.5

154 90.7 71.4 107.2

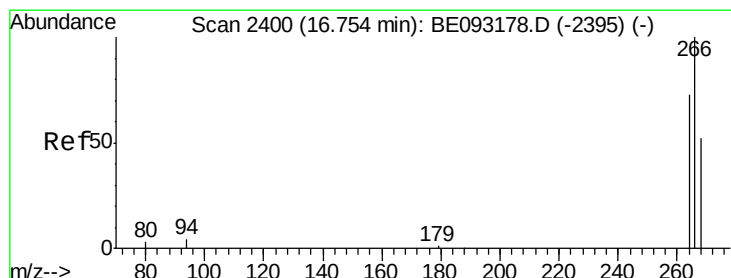
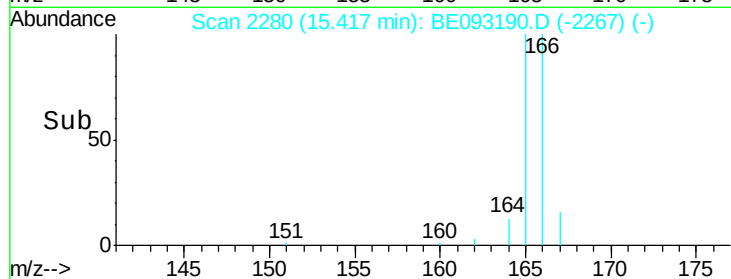
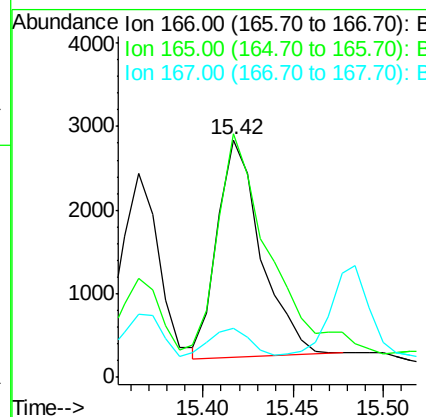
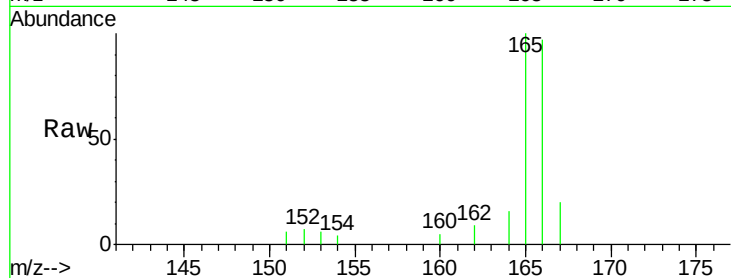




#9
Fluorene
 Concen: 0.09 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE093190.D
 Acq: 15 Jun 2017 3:46

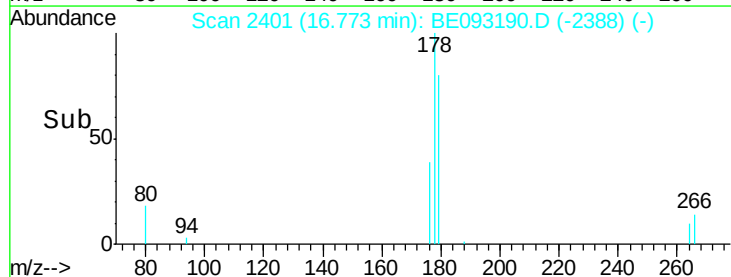
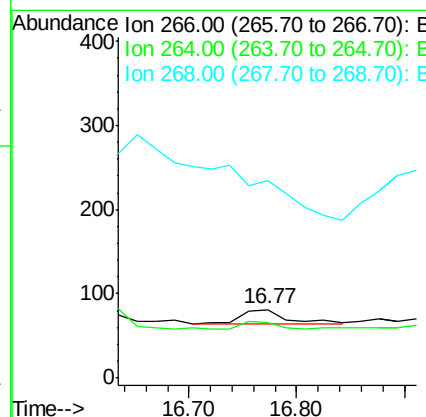
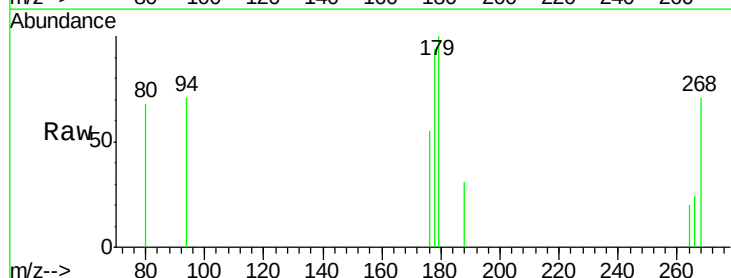
Instrument :
 BNA_E
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 F5C30

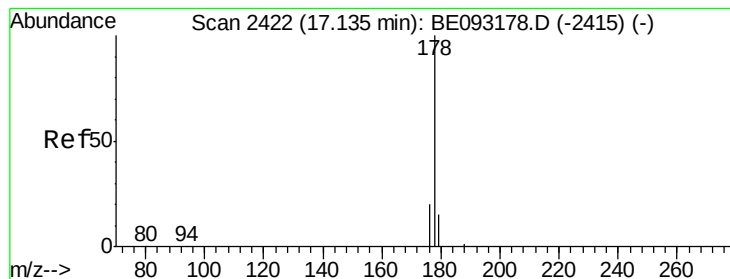
Tgt Ion:166 Resp: 4384
 Ion Ratio Lower Upper
 166 100
 165 102.6 73.4 110.2
 167 20.9 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.77 min Scan# 2401
 Delta R.T. 0.02 min
 Lab File: BE093190.D
 Acq: 15 Jun 2017 3:46

Tgt Ion:266 Resp: 53
 Ion Ratio Lower Upper
 266 100
 264 37.7 47.9 71.9#
 268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 5.80 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5C30

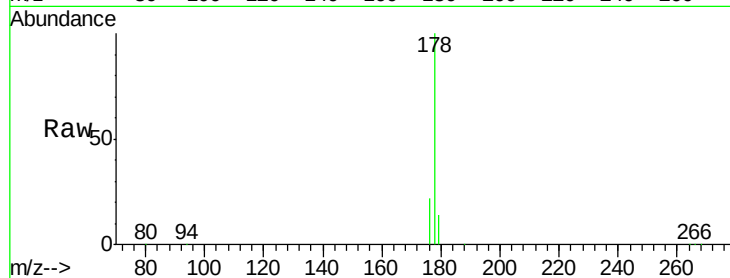
Tgt Ion:178 Resp: 443592

Ion Ratio Lower Upper

178 100

179 14.0 18.4 27.6#

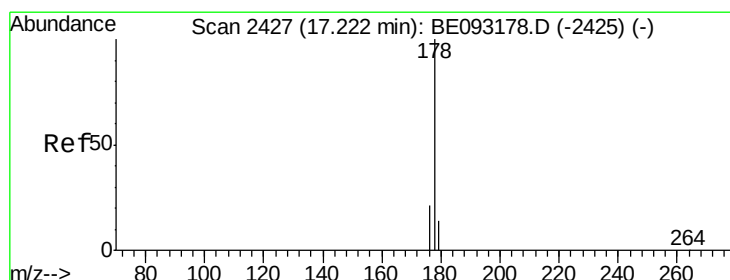
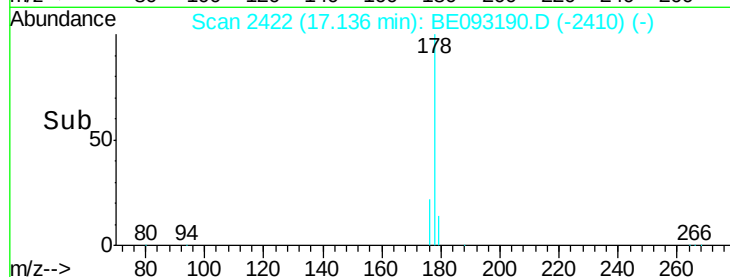
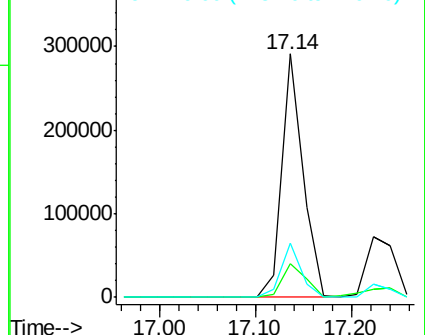
176 22.3 13.6 20.4#



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: 2.26 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

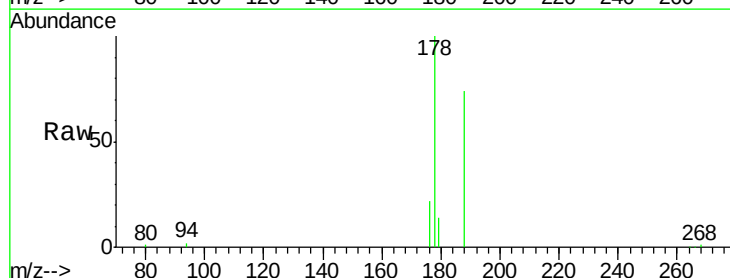
Tgt Ion:178 Resp: 150539

Ion Ratio Lower Upper

178 100

179 13.8 18.1 27.1#

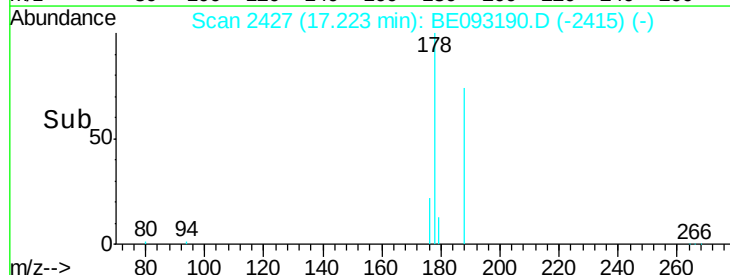
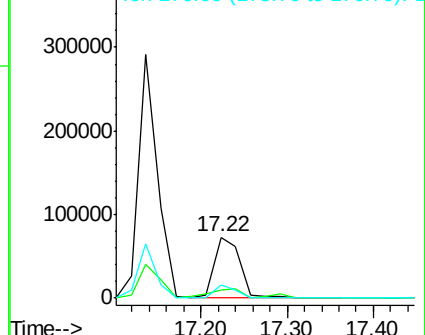
176 22.0 14.7 22.1

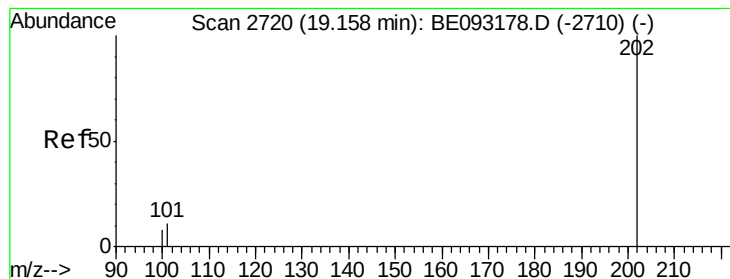


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 17.75 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

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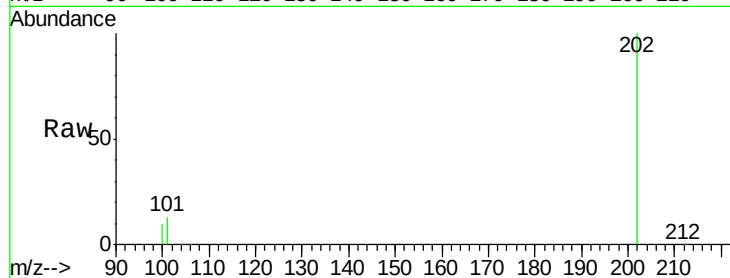
Tgt Ion:202 Resp: 1665659

Ion Ratio Lower Upper

202 100

101 13.4 0.0 30.3

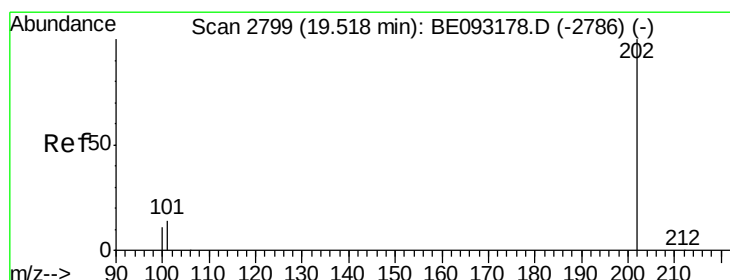
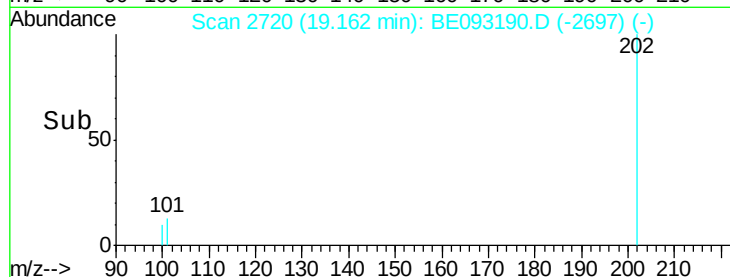
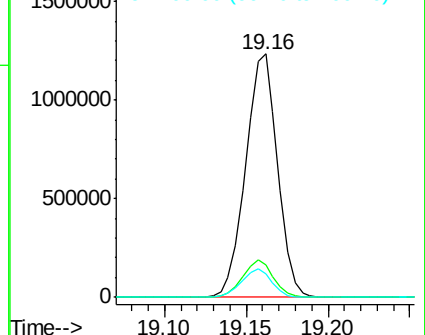
100 9.7 0.0 39.5



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): BE



#17

Pyrene

Concen: 16.43 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

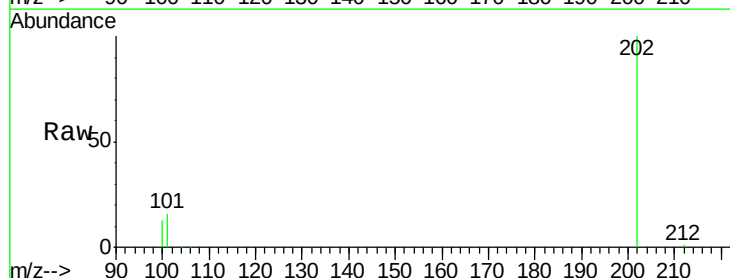
Tgt Ion:202 Resp: 1330673

Ion Ratio Lower Upper

202 100

101 15.9 18.2 27.4#

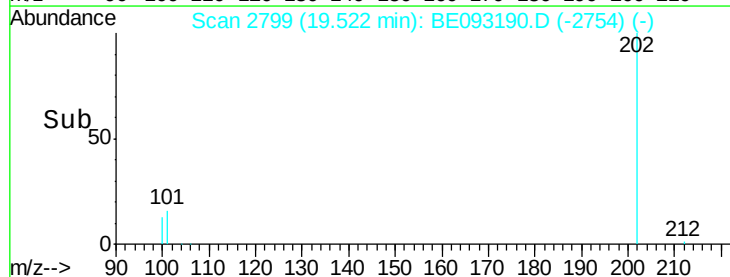
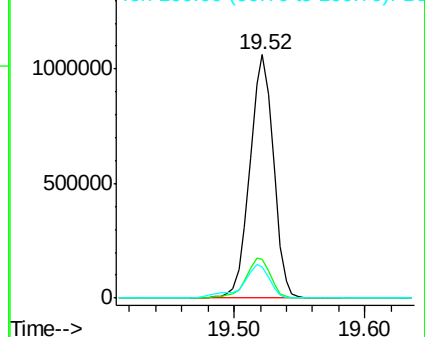
100 12.8 15.6 23.4#

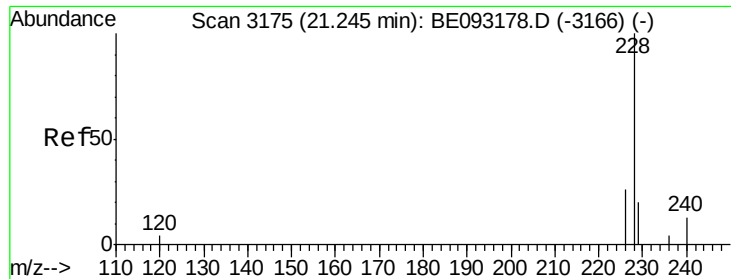


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 5.07 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

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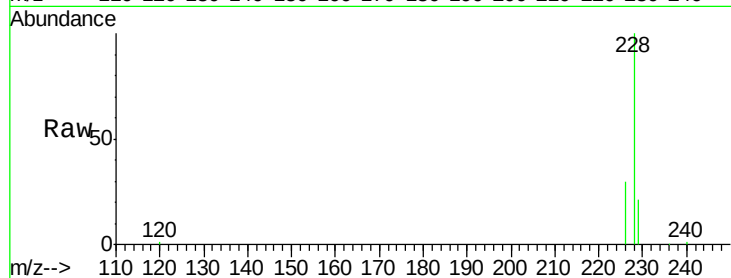
Tgt Ion:228 Resp: 371419

Ion Ratio Lower Upper

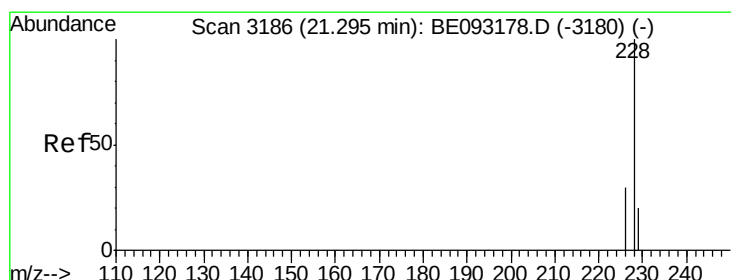
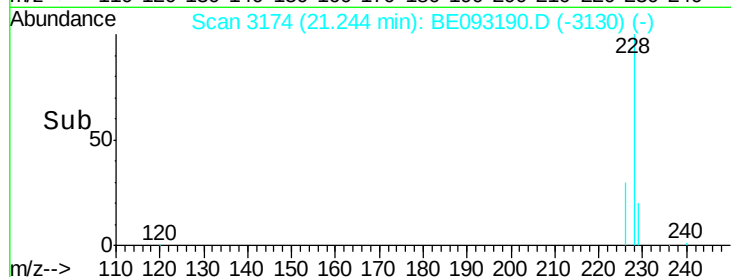
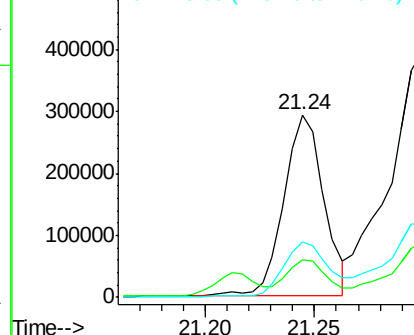
228 100

229 20.7 22.8 34.2#

226 30.3 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: 8.33 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

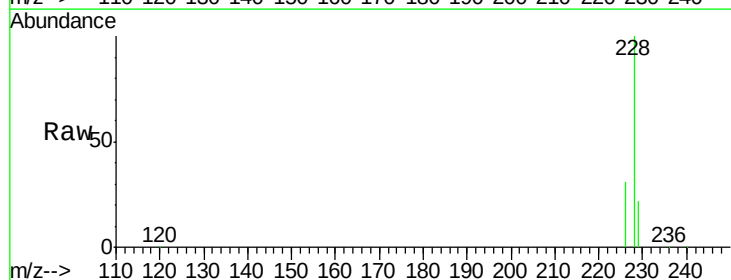
Tgt Ion:228 Resp: 633336

Ion Ratio Lower Upper

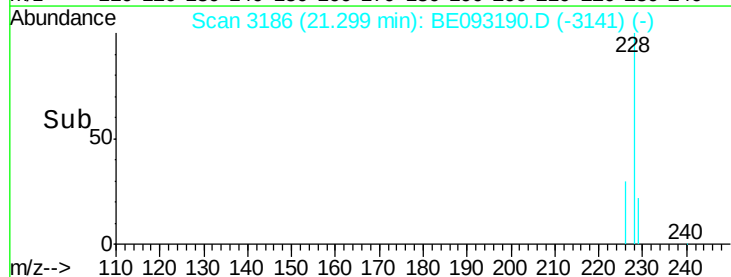
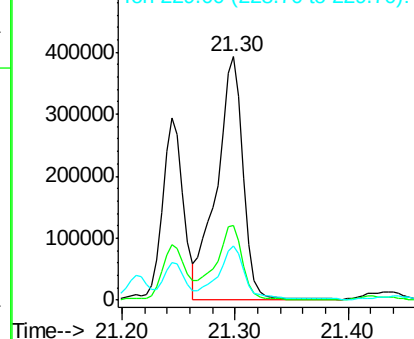
228 100

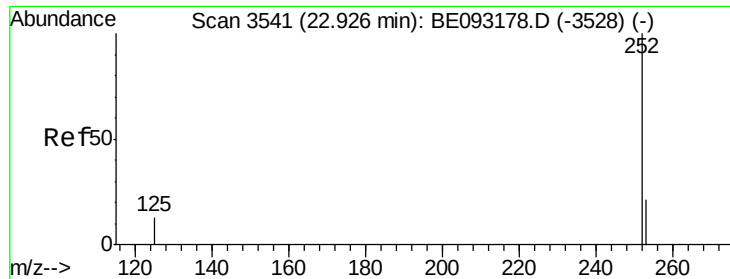
226 30.6 23.4 35.0

229 22.1 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: 0.20 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BE093190.D

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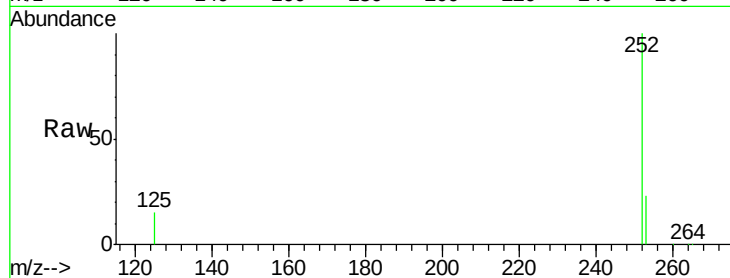
Tgt Ion:252 Resp: 754376

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

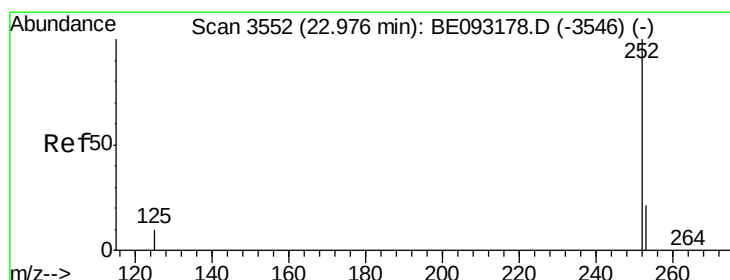
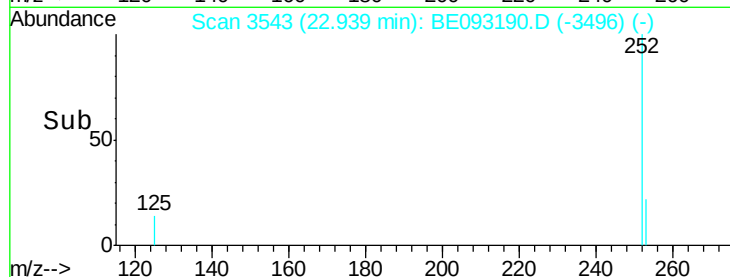
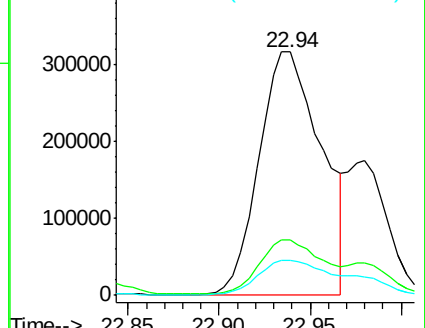
125 14.6 0.0 35.0



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: 0.26 ng/ul

RT: 22.94 min Scan# 3543

Delta R.T. -0.04 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

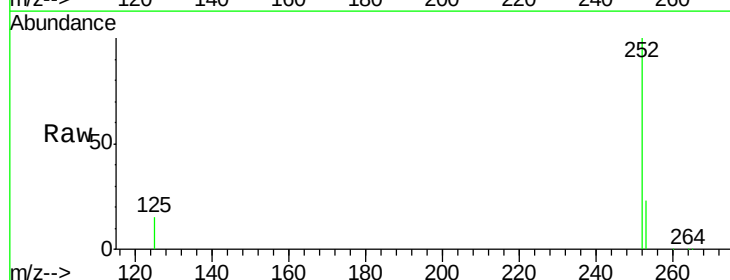
Tgt Ion:252 Resp: 1020446

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

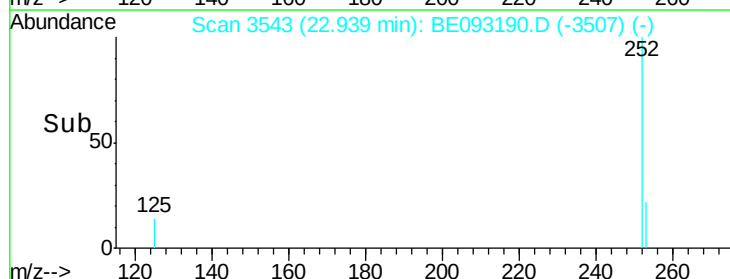
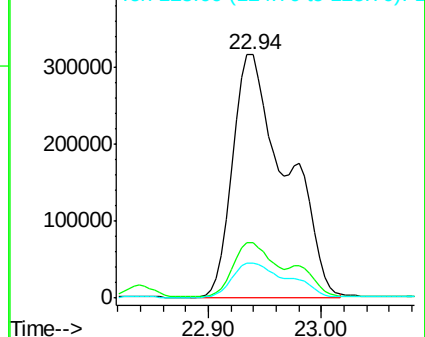
125 14.6 13.7 20.5

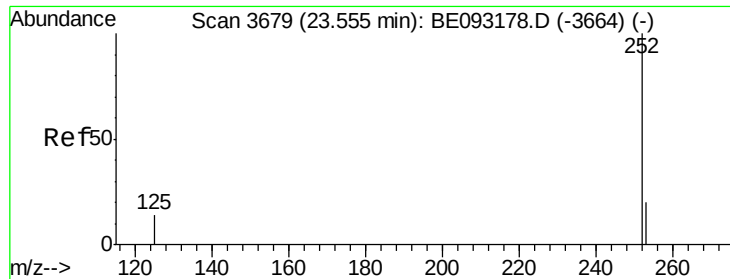


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.46 min Scan# 3657

Delta R.T. -0.10 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5C30

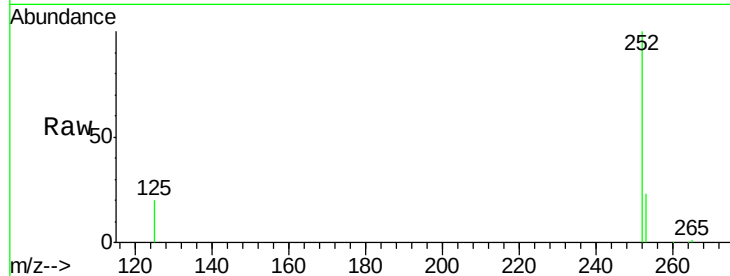
Tgt Ion:252 Resp: 325306

Ion Ratio Lower Upper

252 100

253 23.3 28.5 42.7#

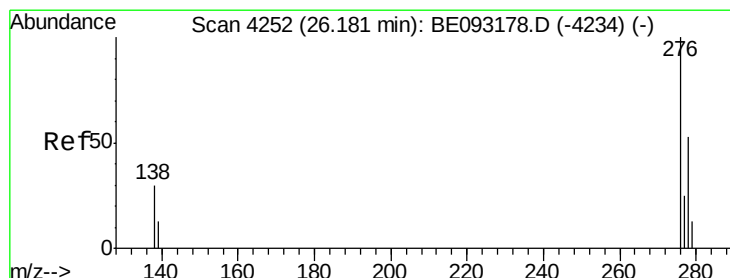
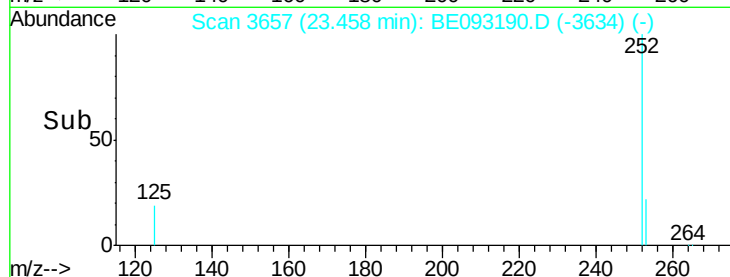
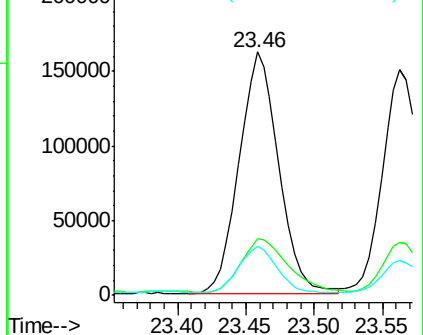
125 20.1 18.1 27.1



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: 0.01 ng/ul

RT: 25.92 min Scan# 4193

Delta R.T. -0.26 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

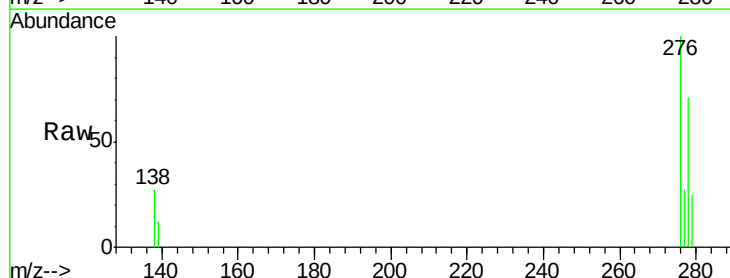
Tgt Ion:276 Resp: 47632

Ion Ratio Lower Upper

276 100

138 17.7 28.0 42.0#

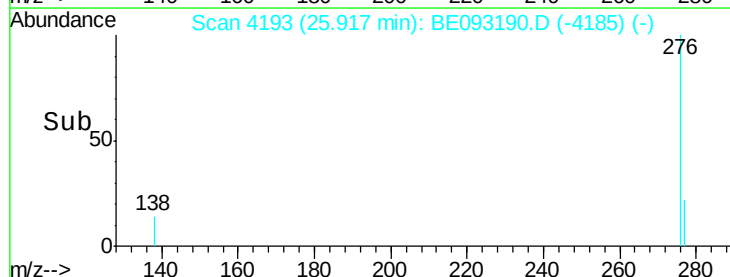
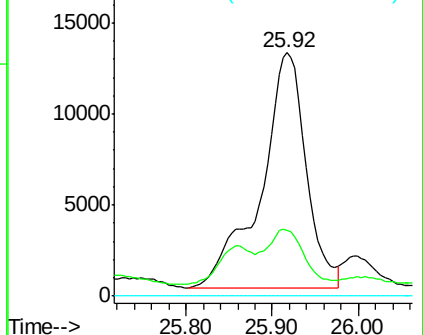
227 0.0 8.0 12.0#

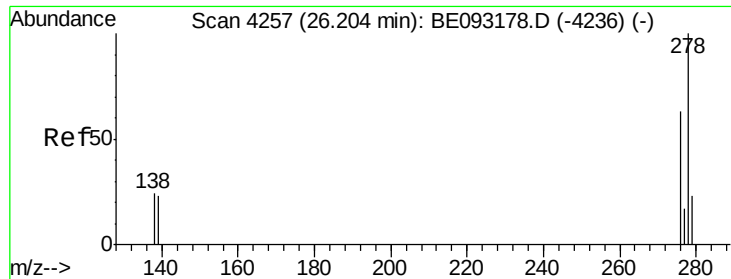


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.86 min Scan# 4181

Delta R.T. -0.34 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5C30

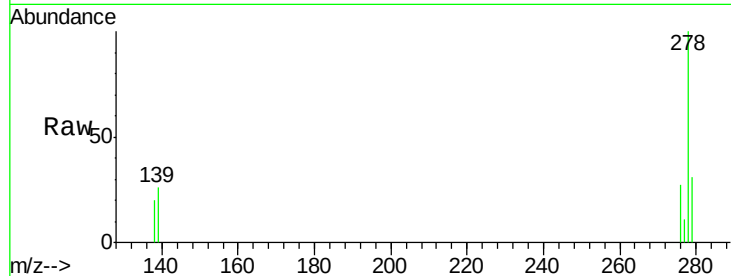
Tgt Ion:278 Resp: 66727

Ion Ratio Lower Upper

278 100

139 25.7 17.4 26.0

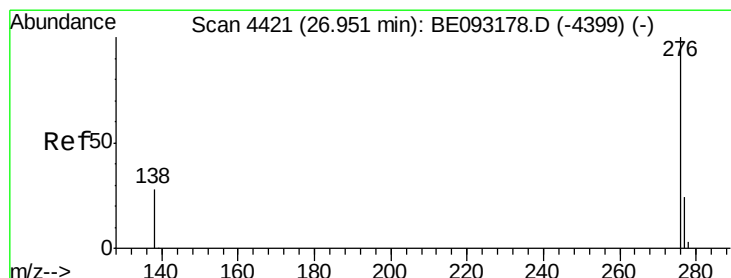
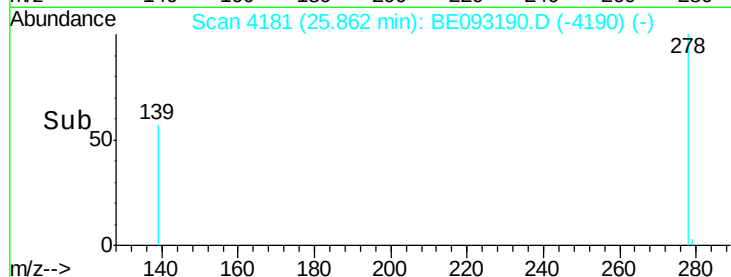
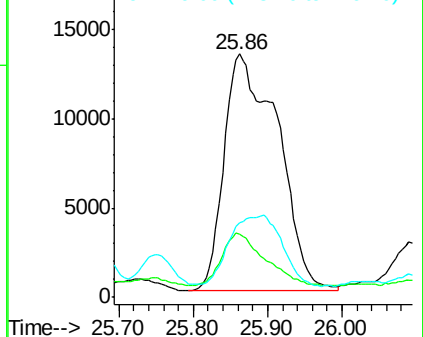
279 30.7 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

RT: 26.97 min Scan# 4423

Delta R.T. 0.01 min

Lab File: BE093190.D

Acq: 15 Jun 2017 3:46

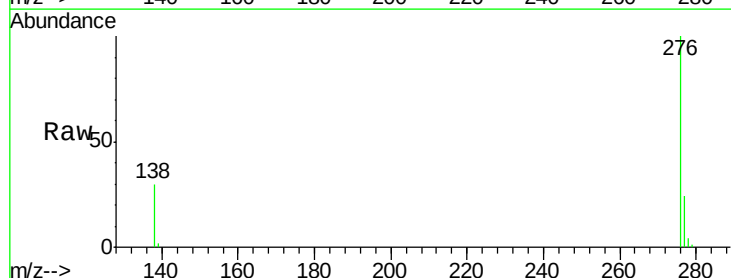
Tgt Ion:276 Resp: 189830

Ion Ratio Lower Upper

276 100

138 30.0 21.8 32.8

277 24.2 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

