

Data File : BE093367.D
Acq On : 24 Jun 2017 18:24
Operator : SJ/JU
Sample : I3627-12DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B42DL

Quant Time: Jun 26 01:58:09 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:58:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1326	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7076	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4099	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	10378	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11979	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	10188	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	310	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	918	0.03	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	1162	0.07	ng/ul#	90
5) 2-Methylnaphthalene	12.18	142	210	0.02	ng/ul	99
7) Acenaphthylene	14.08	152	11027	0.63	ng/ul	95
8) Acenaphthene	14.42	153	313	0.02	ng/ul#	87
9) Fluorene	15.42	166	418	0.03	ng/ul#	84
11) Pentachlorophenol	16.76	266	16	0.01	ng/ul	94
12) Phenanthrene	17.14	178	4777	0.17	ng/ul#	92
13) Anthracene	17.22	178	13438	0.54	ng/ul#	91
15) Fluoranthene	19.15	202	40772	1.16	ng/ul	83
17) Pyrene	19.51	202	98116	2.78	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	45090	1.41	ng/ul#	85
19) Chrysene	21.29	228	70391	2.12	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	222457	7.20	ng/ul	87
22) Benzo(k)fluoranthene	23.11	252	23277	0.71	ng/ul	95
23) Benzo(a)pyrene	23.55	252	97282	3.33	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	63141	1.87	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	17332	0.61	ng/ul	92
26) Benzo(g,h,i)perylene	26.95	276	47366	1.63	ng/ul	96

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

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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :

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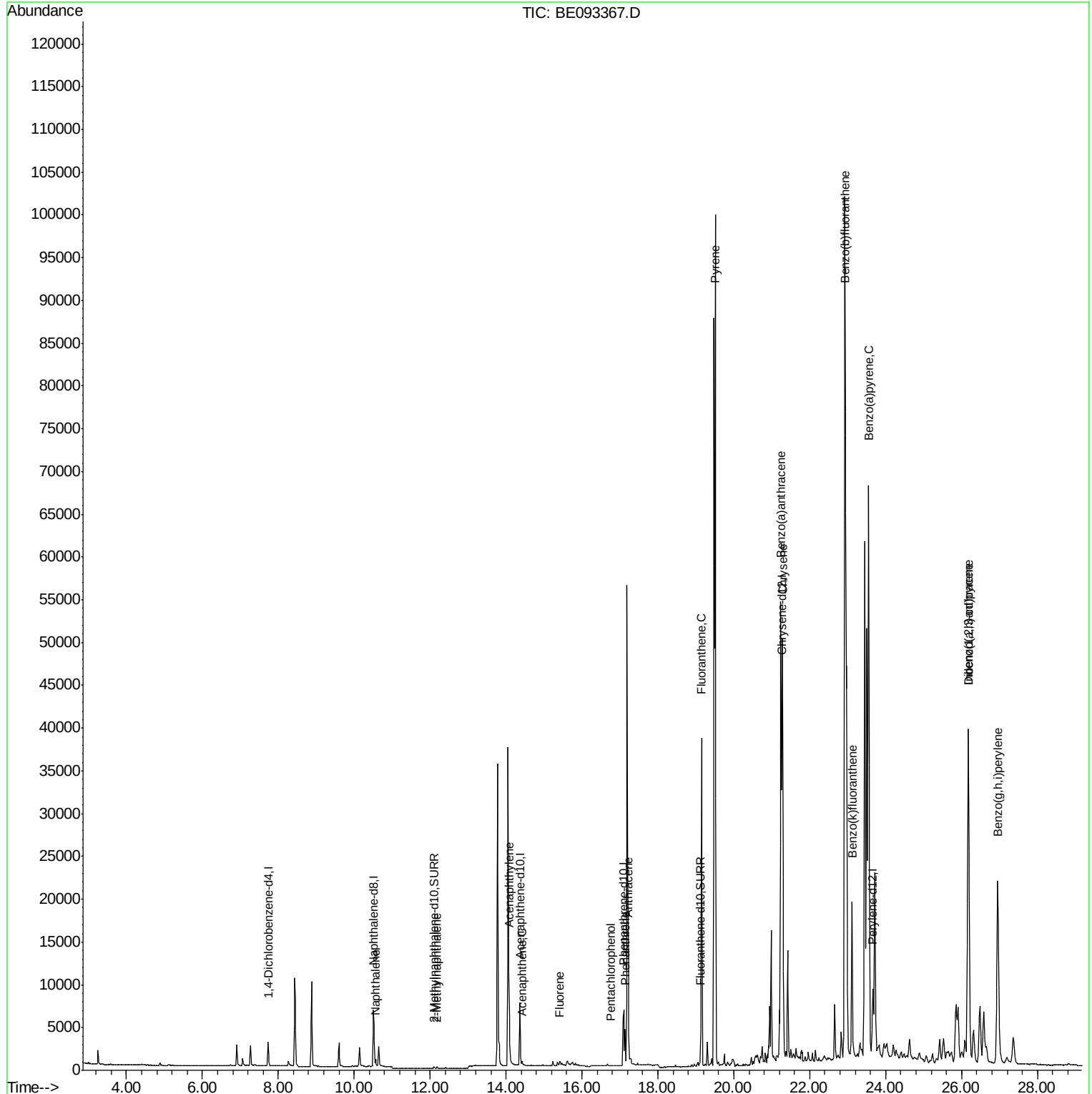
Quant Time: Jun 26 01:58:09 2017

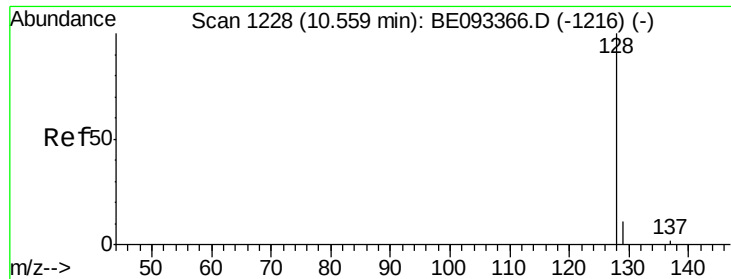
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

Instrument :

BNA_E

ClientSampleId :

F5B42DL

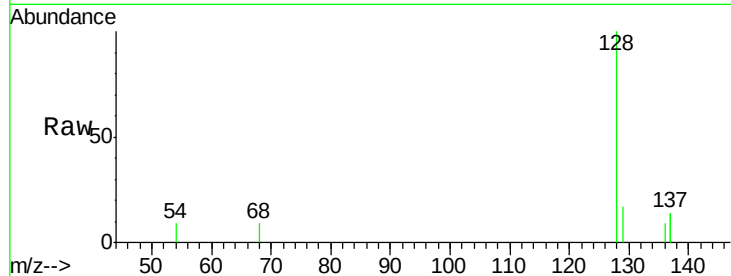
Tgt Ion:128 Resp: 1162

Ion Ratio Lower Upper

128 100

129 17.4 11.3 16.9#

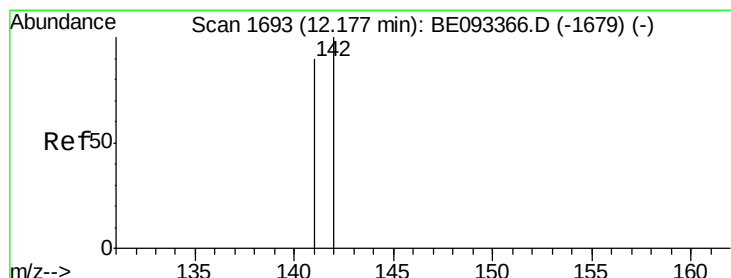
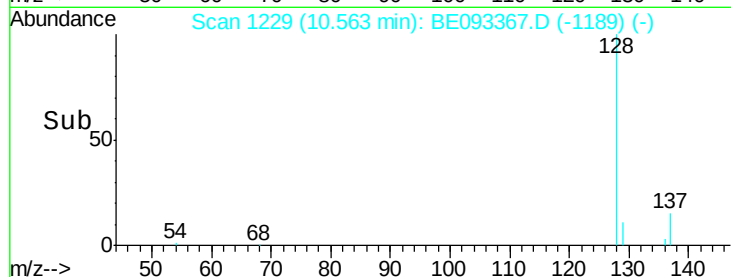
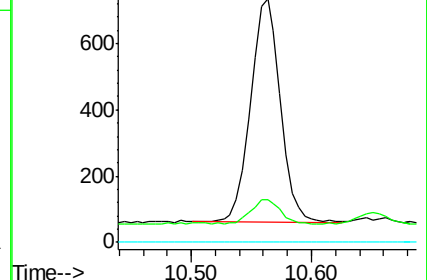
127 0.0 4.0 6.0#



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: 0.02 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093367.D

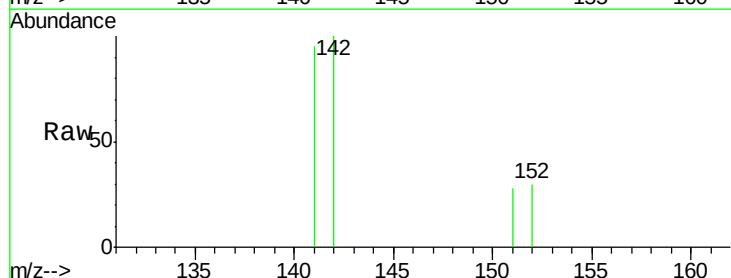
Acq: 24 Jun 2017 18:24

Tgt Ion:142 Resp: 210

Ion Ratio Lower Upper

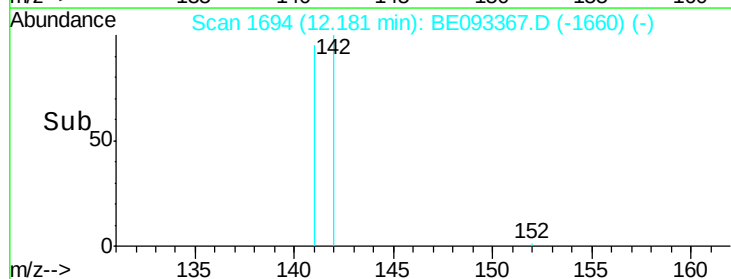
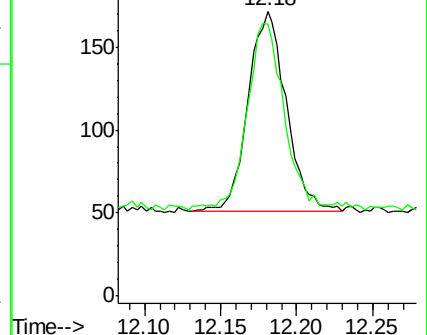
142 100

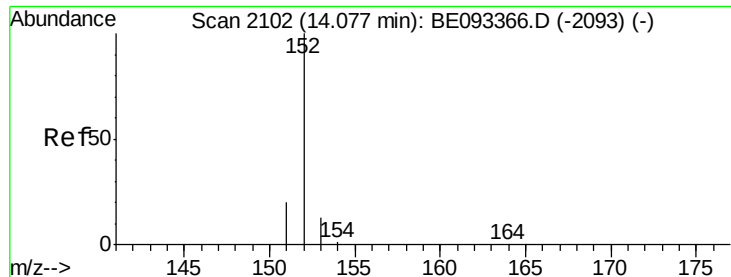
141 91.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.63 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

Instrument :

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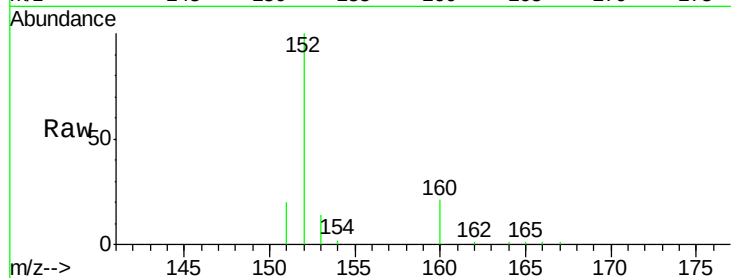
Tgt Ion:152 Resp: 11027

Ion Ratio Lower Upper

152 100

151 19.6 17.1 25.7

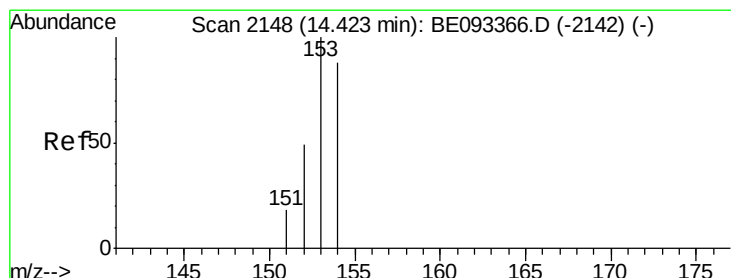
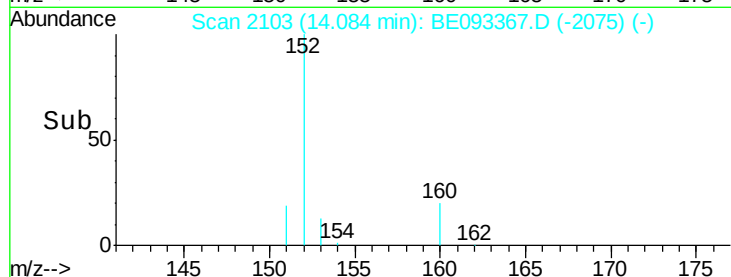
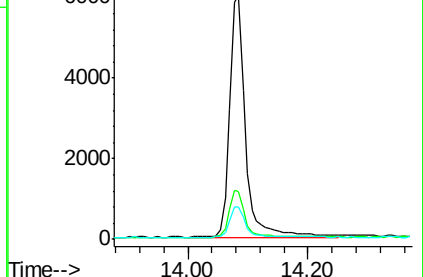
153 13.6 12.8 19.2



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: 0.02 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

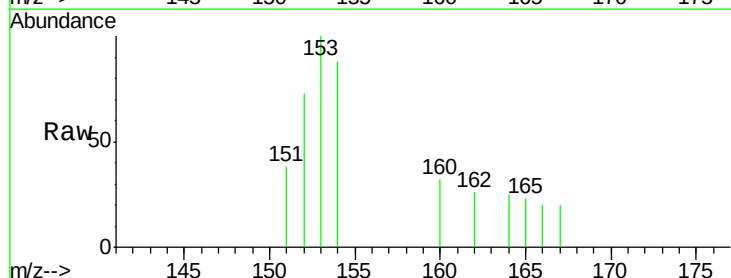
Tgt Ion:153 Resp: 313

Ion Ratio Lower Upper

153 100

152 73.2 40.3 60.5#

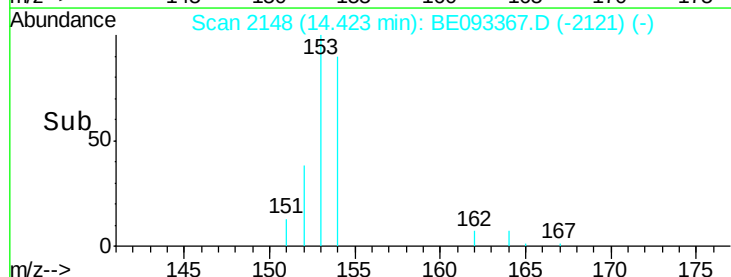
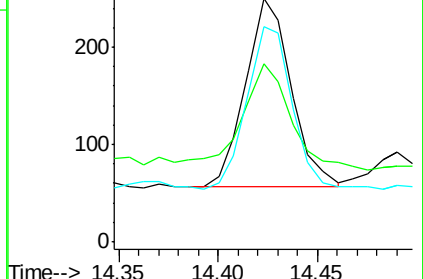
154 88.4 71.4 107.2

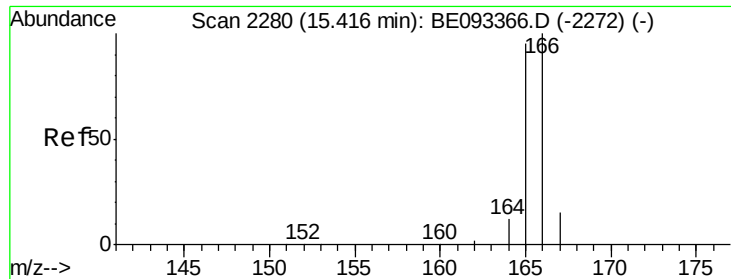


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

Instrument :

BNA_E

ClientSampleId :

F5B42DL

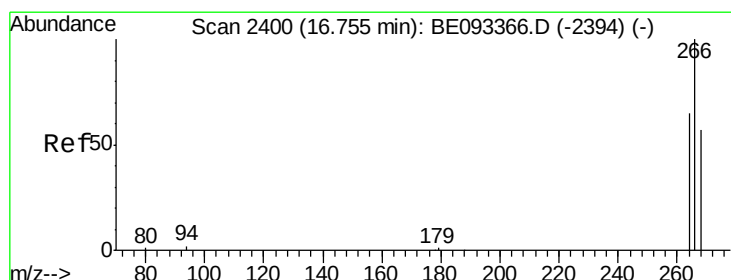
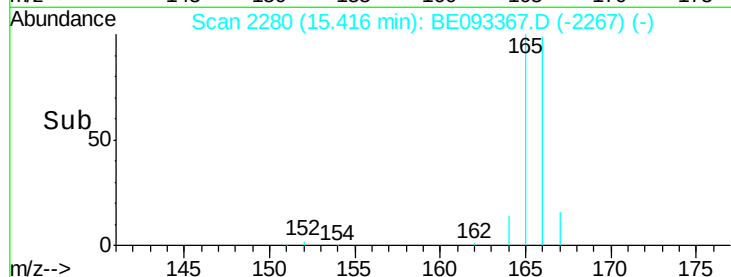
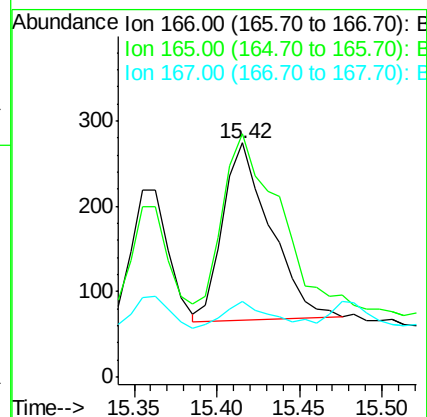
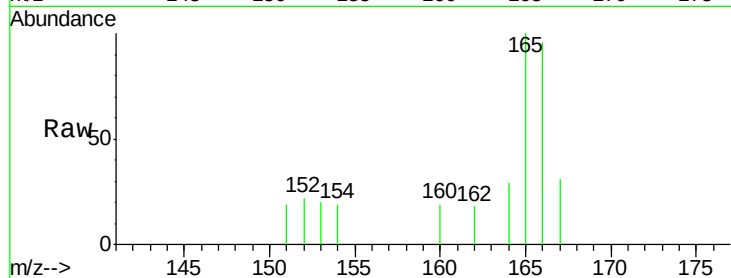
Tgt Ion:166 Resp: 418

Ion Ratio Lower Upper

166 100

165 104.0 73.4 110.2

167 32.5 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

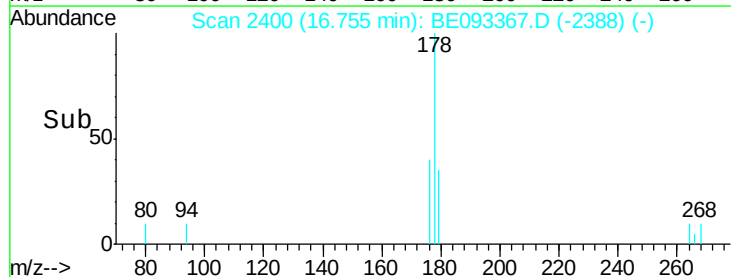
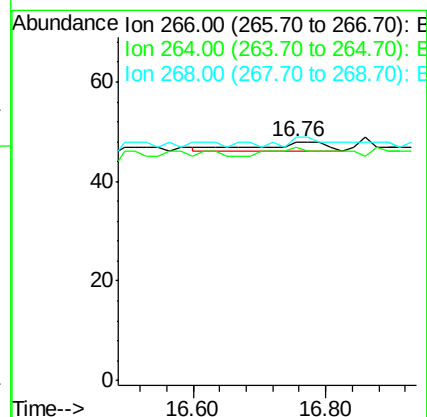
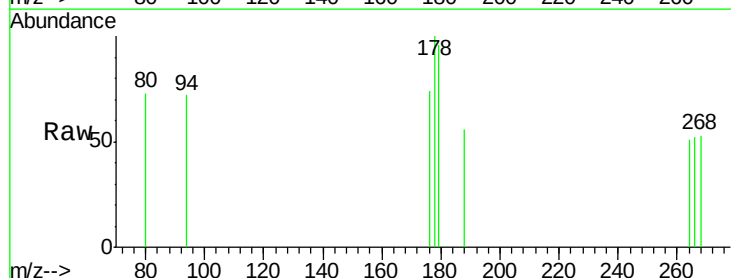
Tgt Ion:266 Resp: 16

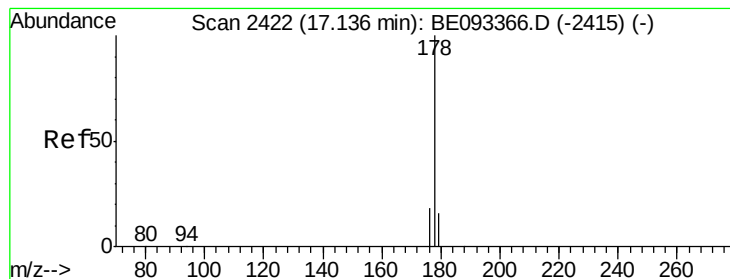
Ion Ratio Lower Upper

266 100

264 62.5 47.9 71.9

268 68.8 49.8 74.8





#12

Phenanthrene

Concen: 0.17 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

Instrument :

BNA_E

ClientSampleId :

F5B42DL

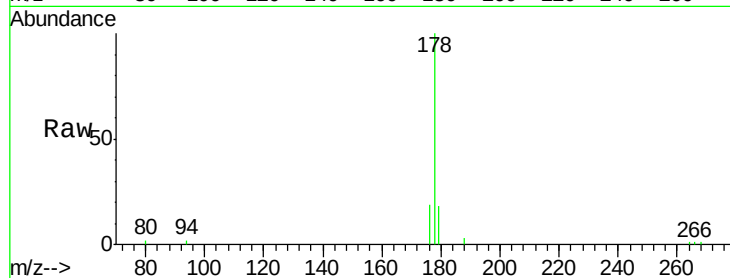
Tgt Ion:178 Resp: 4777

Ion Ratio Lower Upper

178 100

179 17.7 18.4 27.6#

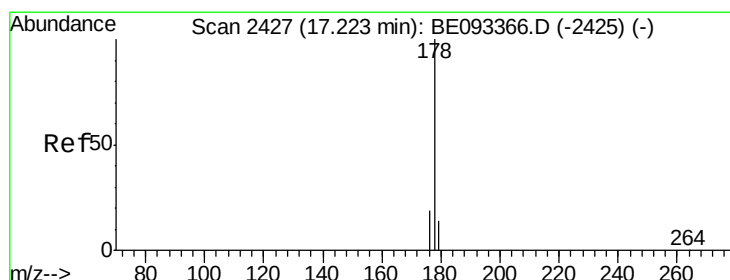
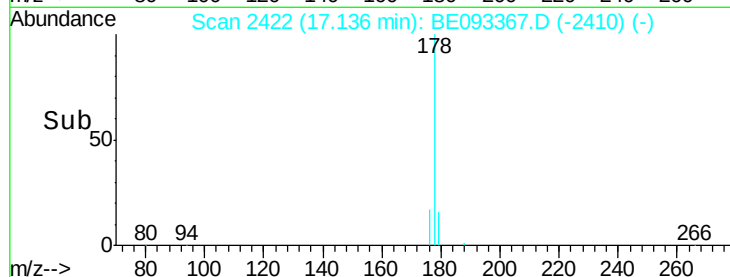
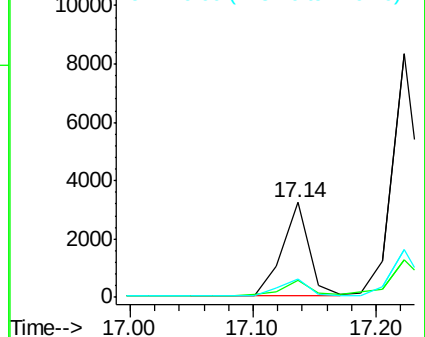
176 18.8 13.6 20.4



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: 0.54 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

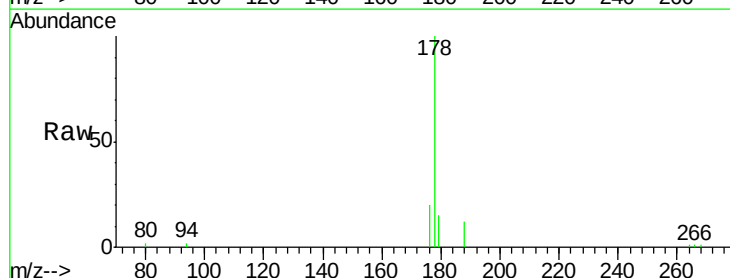
Tgt Ion:178 Resp: 13438

Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

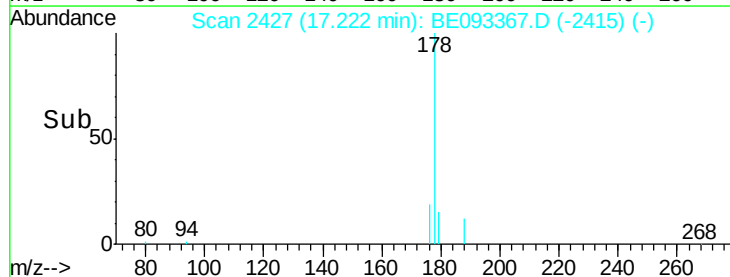
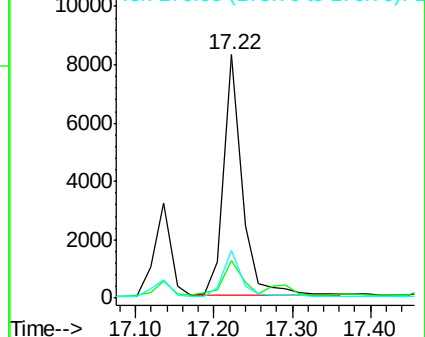
176 19.6 14.7 22.1

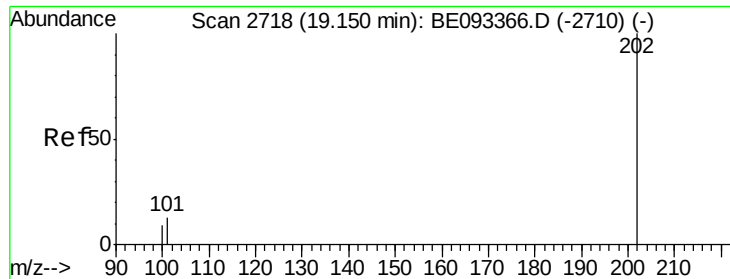


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.16 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

Instrument :

BNA_E

ClientSampleId :

F5B42DL

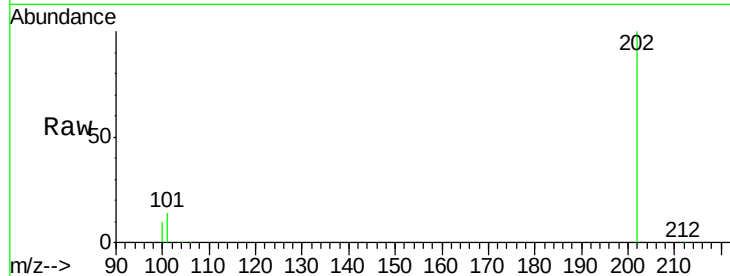
Tgt Ion:202 Resp: 40772

Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.3

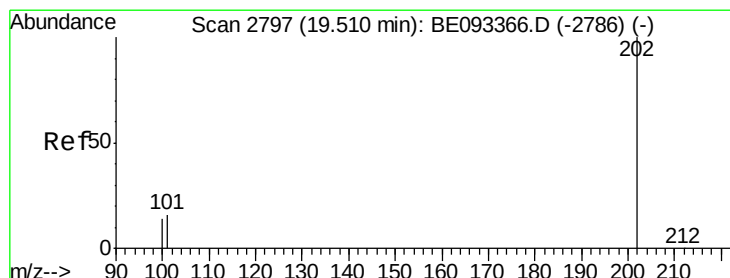
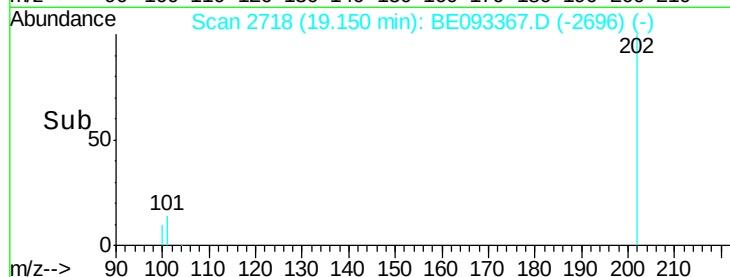
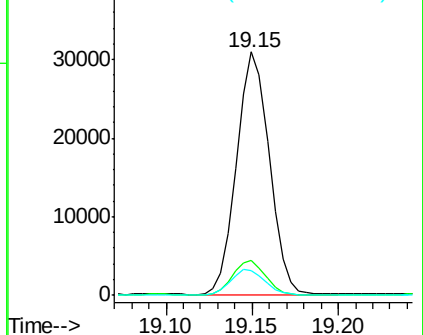
100 10.3 0.0 39.5



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: 2.78 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

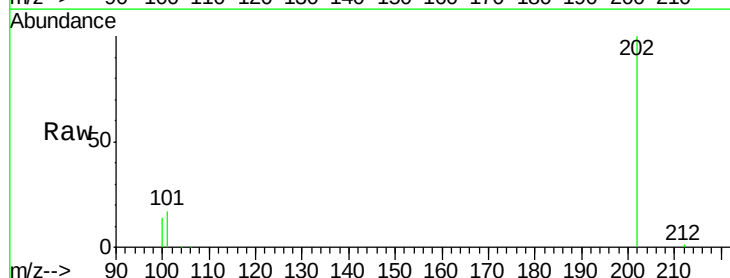
Tgt Ion:202 Resp: 98116

Ion Ratio Lower Upper

202 100

101 17.0 18.2 27.4#

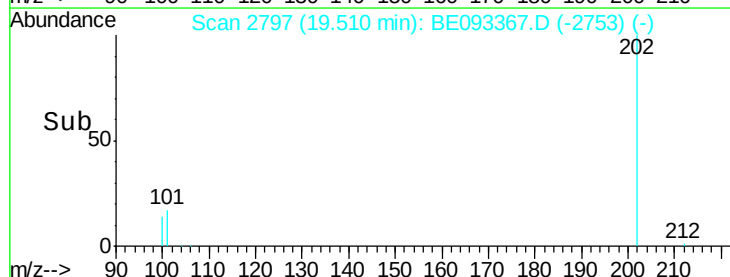
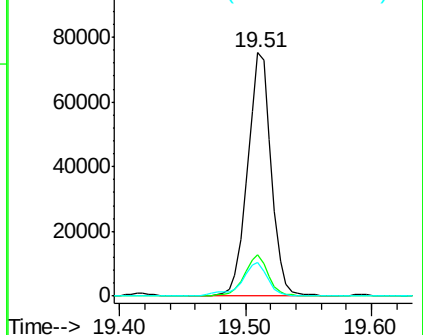
100 14.1 15.6 23.4#

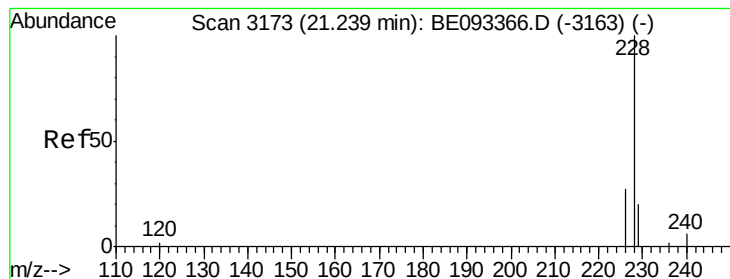


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.41 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE093367.D

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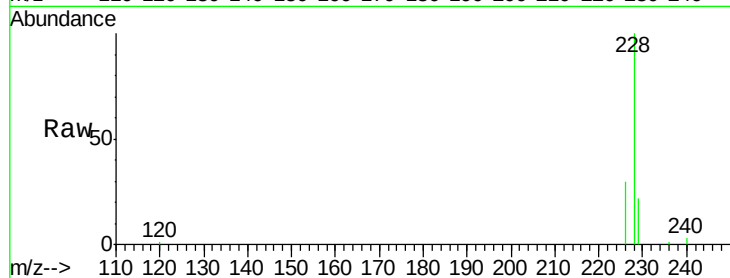
Tgt Ion:228 Resp: 45090

Ion Ratio Lower Upper

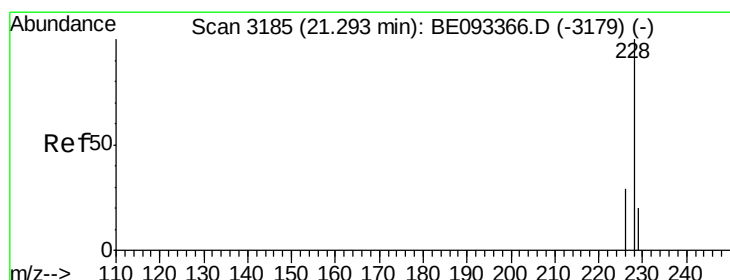
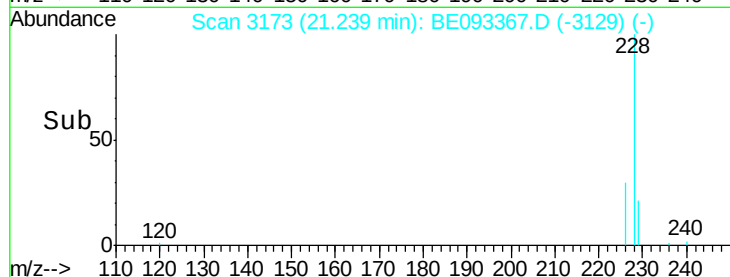
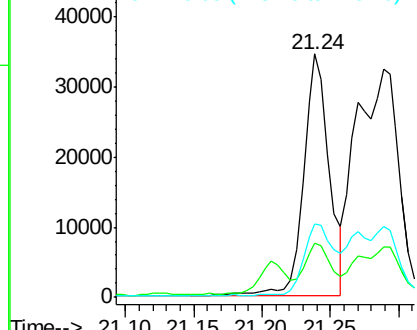
228 100

229 22.5 22.8 34.2#

226 30.2 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: 2.12 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

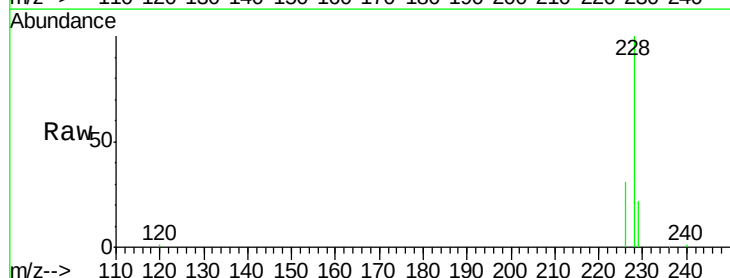
Tgt Ion:228 Resp: 70391

Ion Ratio Lower Upper

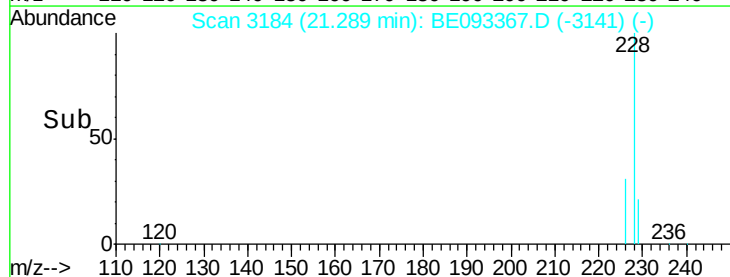
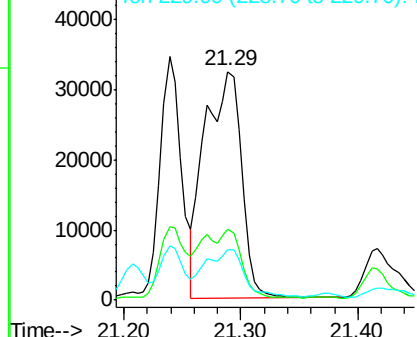
228 100

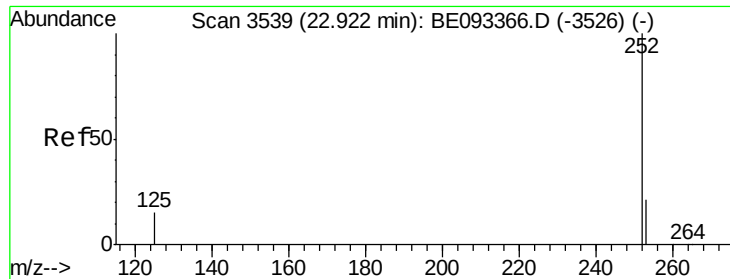
226 31.2 23.4 35.0

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: 7.20 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.01 min

Lab File: BE093367.D

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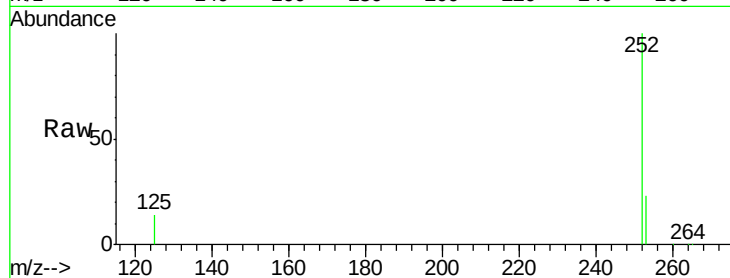
Tgt Ion:252 Resp: 222457

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

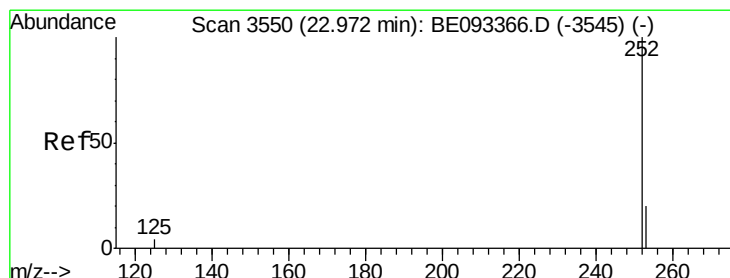
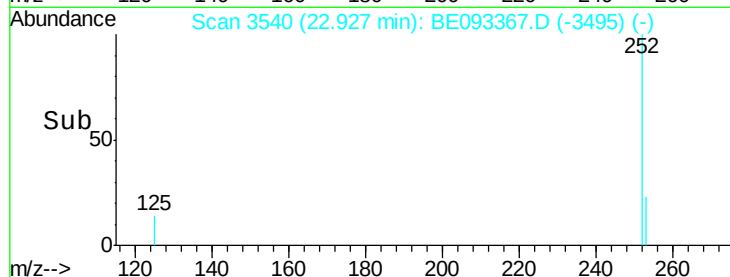
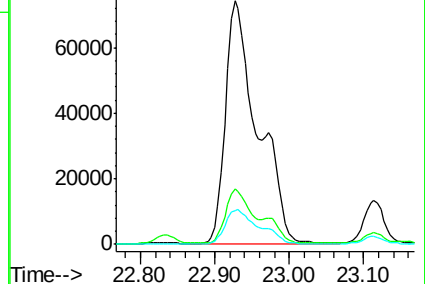
125 14.1 0.0 35.0



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: 0.71 ng/ul

RT: 23.11 min Scan# 3581

Delta R.T. 0.14 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

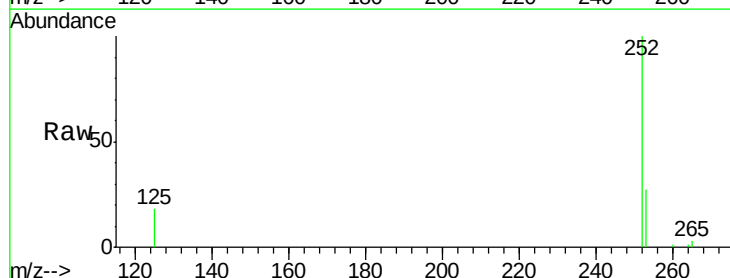
Tgt Ion:252 Resp: 23277

Ion Ratio Lower Upper

252 100

253 26.6 24.5 36.7

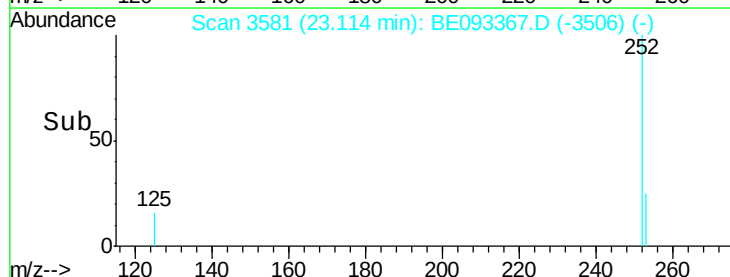
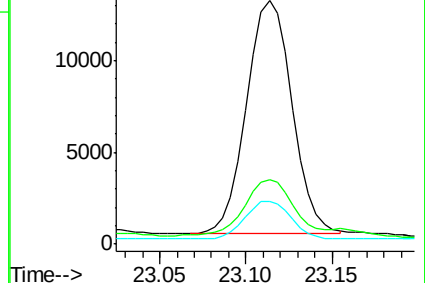
125 17.7 13.7 20.5

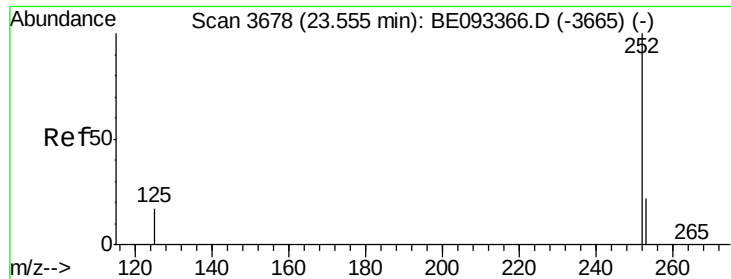


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.33 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

Instrument :

BNA_E

ClientSampleId :

F5B42DL

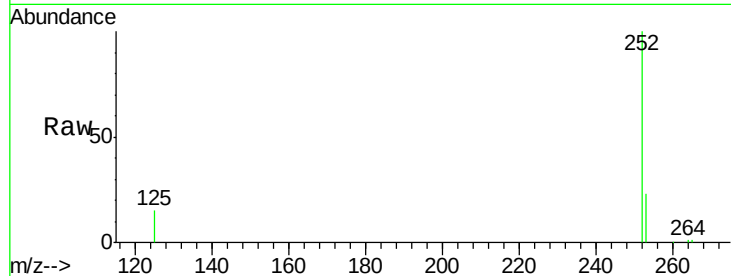
Tgt Ion:252 Resp: 97282

Ion Ratio Lower Upper

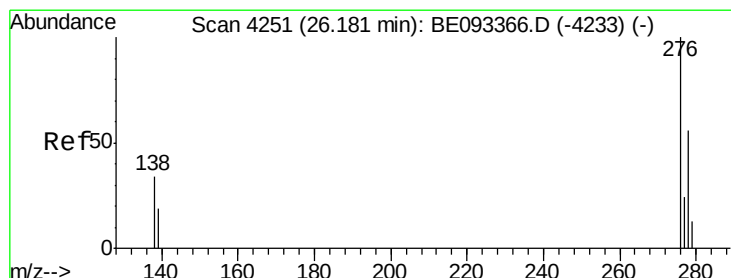
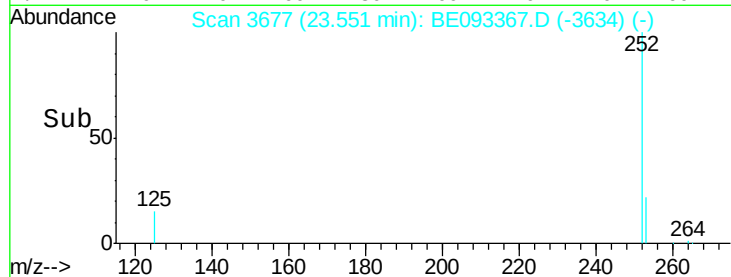
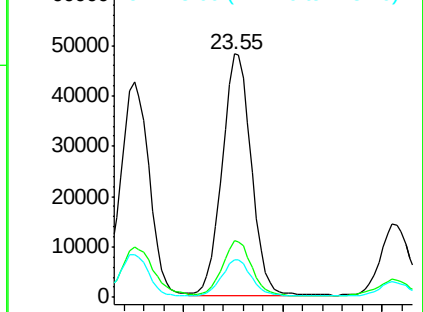
252 100

253 23.3 28.5 42.7#

125 15.3 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: 1.87 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

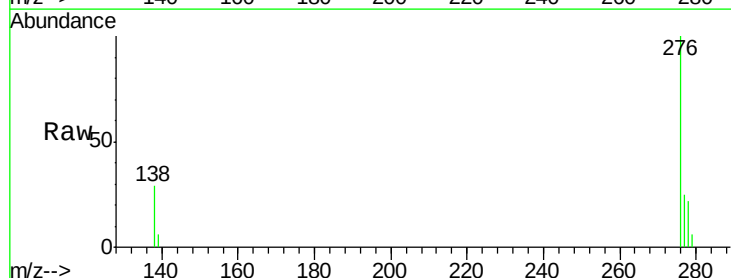
Tgt Ion:276 Resp: 63141

Ion Ratio Lower Upper

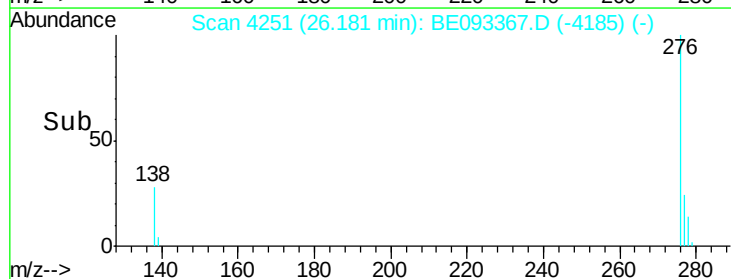
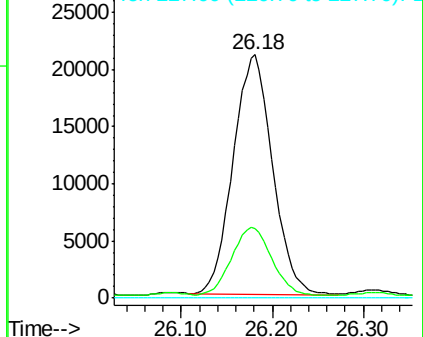
276 100

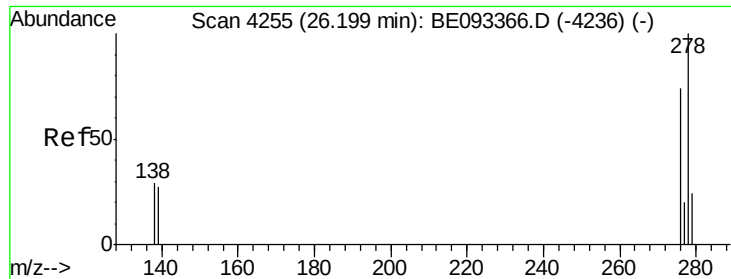
138 29.4 28.0 42.0

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: 0.61 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

Instrument :

BNA_E

ClientSampleId :

F5B42DL

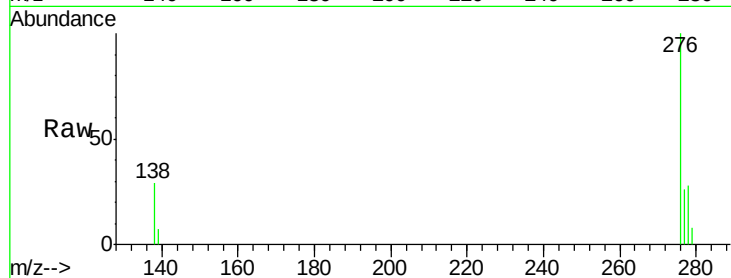
Tgt Ion: 278 Resp: 17332

Ion Ratio Lower Upper

278 100

139 24.7 17.4 26.0

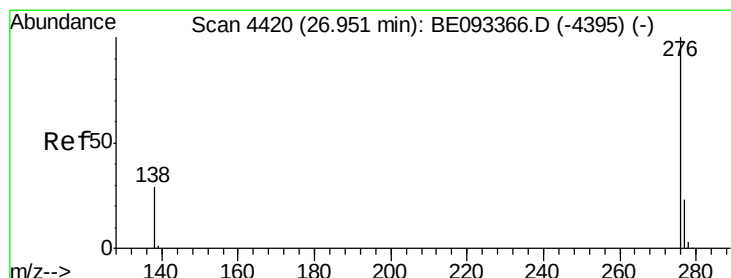
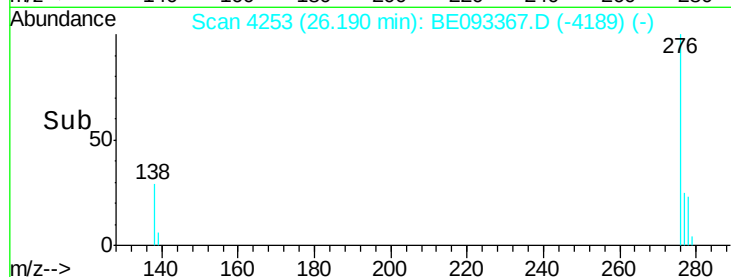
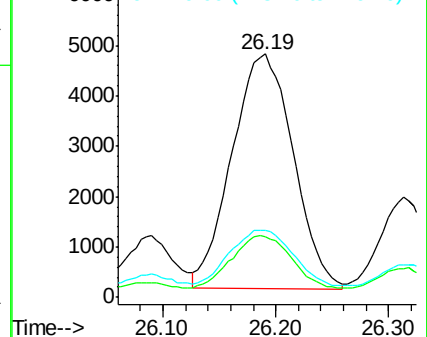
279 27.4 25.9 38.9



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: 1.63 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. -0.00 min

Lab File: BE093367.D

Acq: 24 Jun 2017 18:24

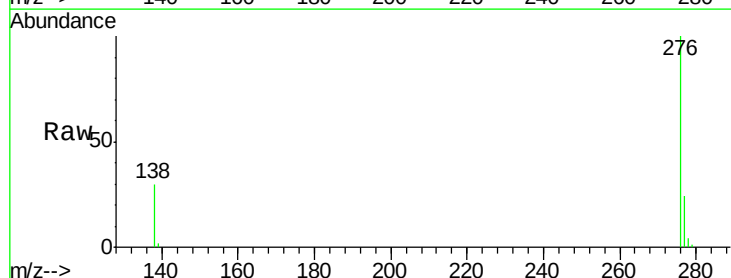
Tgt Ion: 276 Resp: 47366

Ion Ratio Lower Upper

276 100

138 30.3 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

