

Data File : BE093183.D
Acq On : 14 Jun 2017 23:26
Operator : SJ/MA
Sample : I3520-19
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B71

Quant Time: Jun 15 04:00:34 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	3467	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	18153	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11533	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	27446	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	28547	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	1067632	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	5532	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	15450	0.21	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	18003	0.40	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	4261	0.14	ng/ul	98
7) Acenaphthylene	14.09	152	53223	1.08	ng/ul	96
8) Acenaphthene	14.43	153	2986	0.07	ng/ul	99
9) Fluorene	15.42	166	2419	0.05	ng/ul#	87
11) Pentachlorophenol	16.75	266	68	0.02	ng/ul	93
12) Phenanthrene	17.14	178	34179	0.45	ng/ul#	88
13) Anthracene	17.22	178	59372	0.90	ng/ul#	86
15) Fluoranthene	19.16	202	202320	2.18	ng/ul	83
17) Pyrene	19.52	202	308205	3.66	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	212202	2.79	ng/ul#	84
19) Chrysene	21.29	228	267677	3.39	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	557217	0.17	ng/ul	86
22) Benzo(k)fluoranthene	22.93	252	760264	0.22	ng/ul#	88
23) Benzo(a)pyrene	23.45	252	285272	0.09	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.91	276	45455	0.01	ng/ul#	70
26) Benzo(g,h,i)perylene	26.96	276	194030	0.06	ng/ul	97

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

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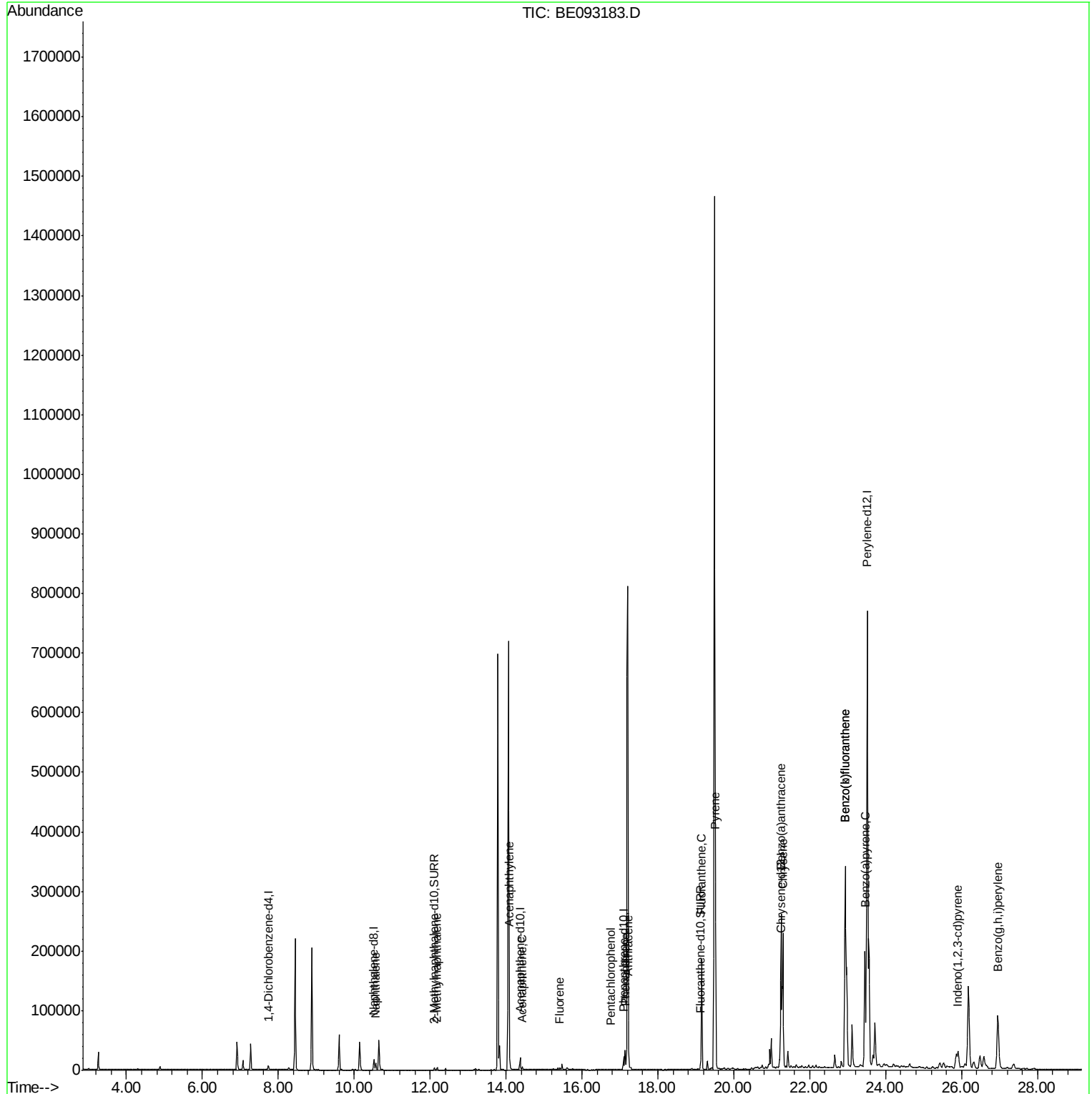
Quant Time: Jun 15 04:00:34 2017

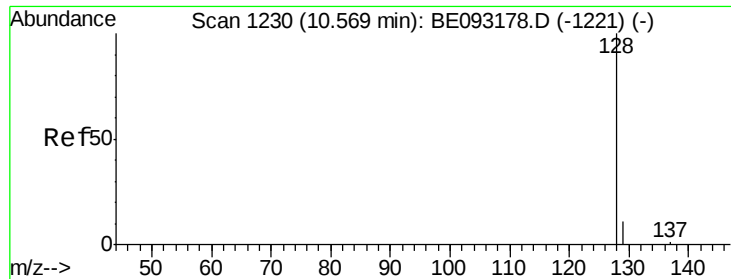
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 15 03:59:13 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

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Acq: 14 Jun 2017 23:26

Instrument :

BNA_E

ClientSampleId :

F5B71

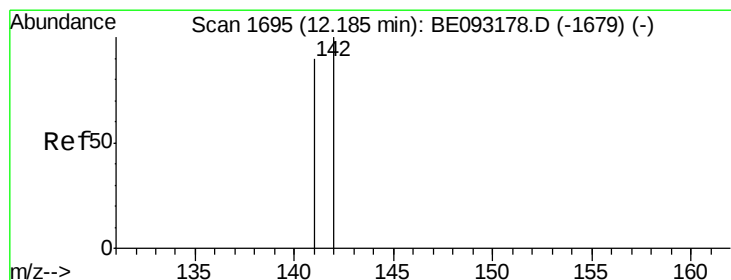
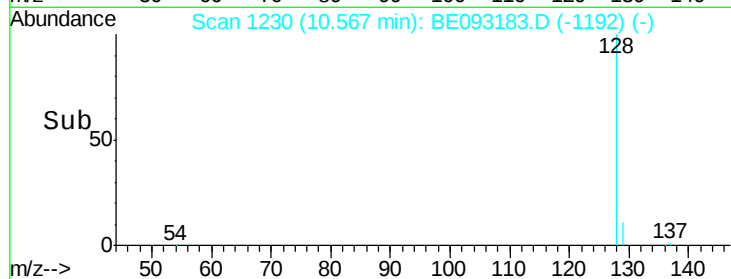
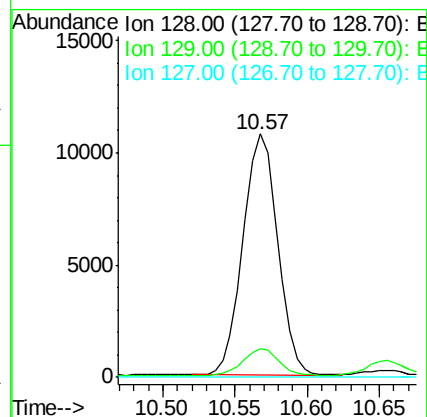
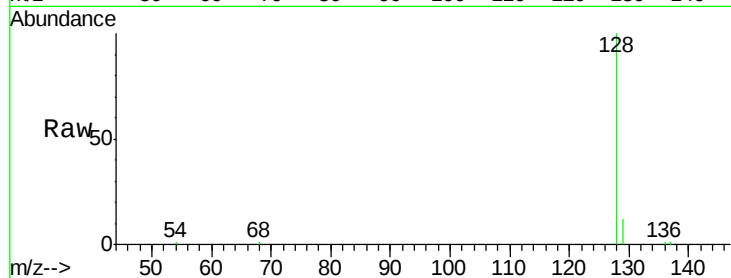
Tgt Ion:128 Resp: 18003

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.14 ng/ul

RT: 12.18 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BE093183.D

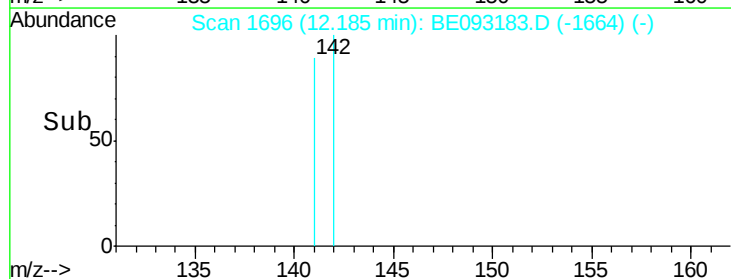
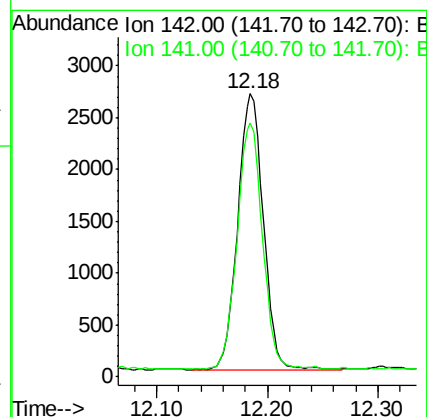
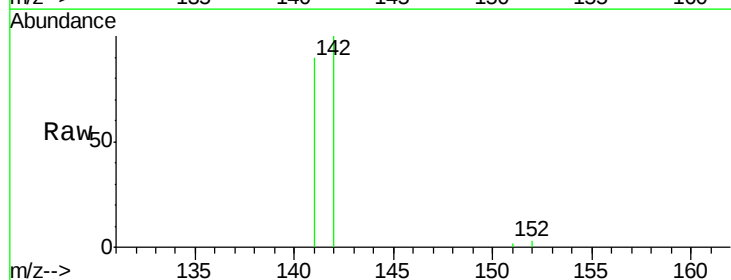
Acq: 14 Jun 2017 23:26

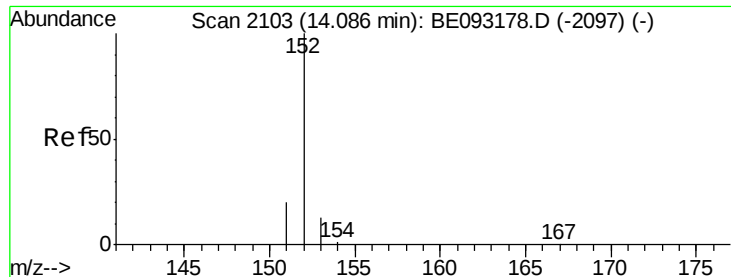
Tgt Ion:142 Resp: 4261

Ion Ratio Lower Upper

142 100

141 88.7 72.6 108.8





#7

Acenaphthylene

Concen: 1.08 ng/ul

RT: 14.09 min Scan# 2104

Delta R.T. -0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

Instrument :

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ClientSampleId :

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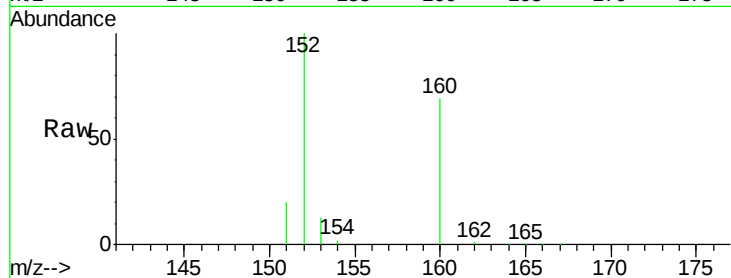
Tgt Ion:152 Resp: 53223

Ion Ratio Lower Upper

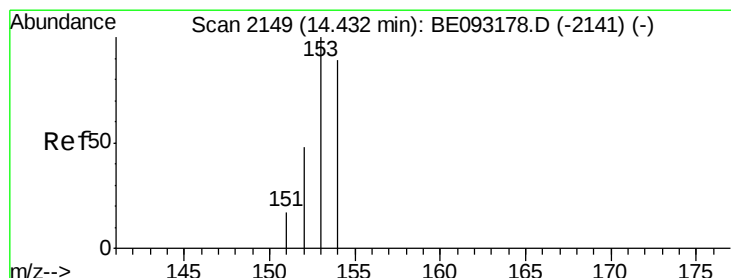
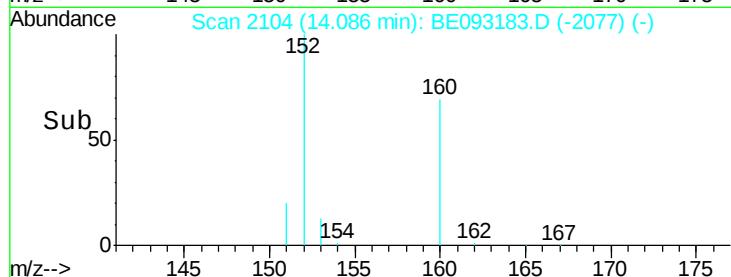
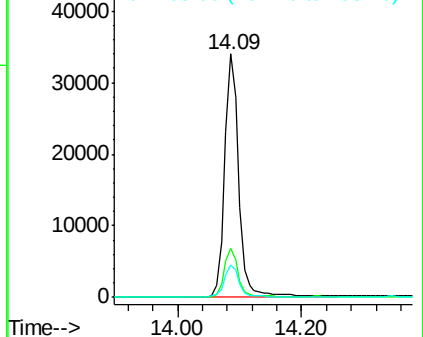
152 100

151 20.4 17.1 25.7

153 13.4 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: 0.07 ng/ul

RT: 14.43 min Scan# 2150

Delta R.T. -0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

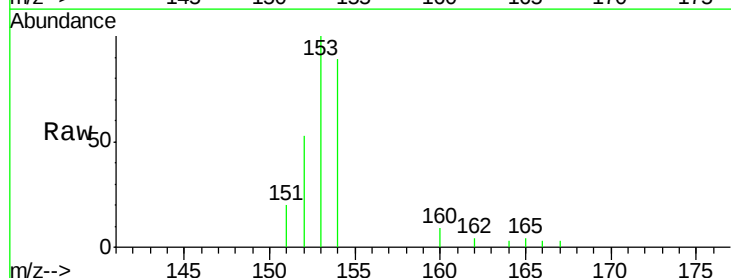
Tgt Ion:153 Resp: 2986

Ion Ratio Lower Upper

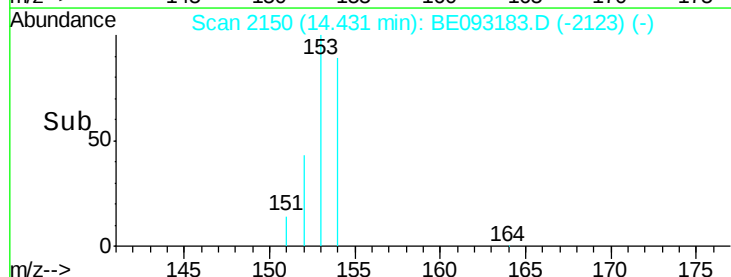
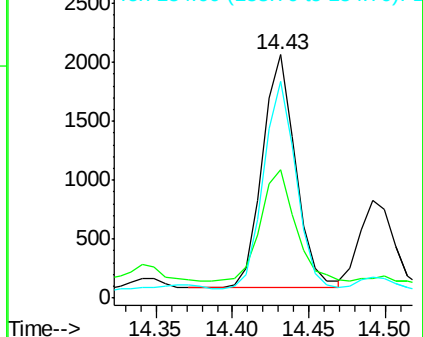
153 100

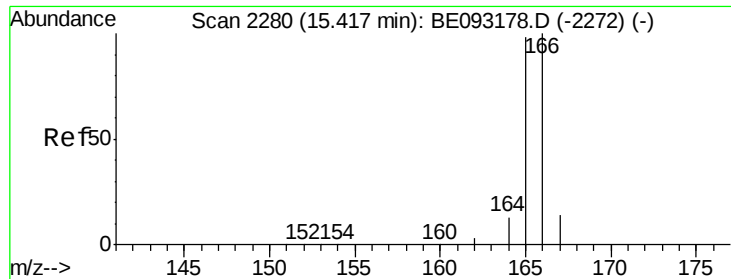
152 52.9 40.3 60.5

154 89.0 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: 0.05 ng/ul

RT: 15.42 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

Instrument :

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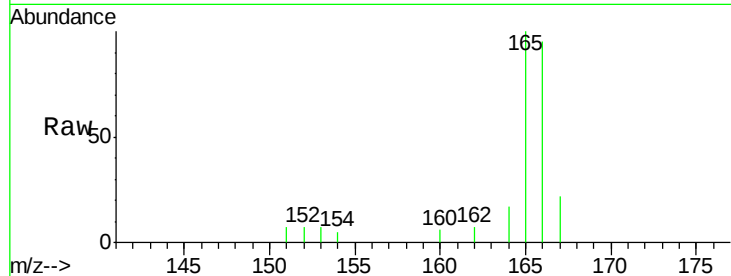
Tgt Ion:166 Resp: 2419

Ion Ratio Lower Upper

166 100

165 105.1 73.4 110.2

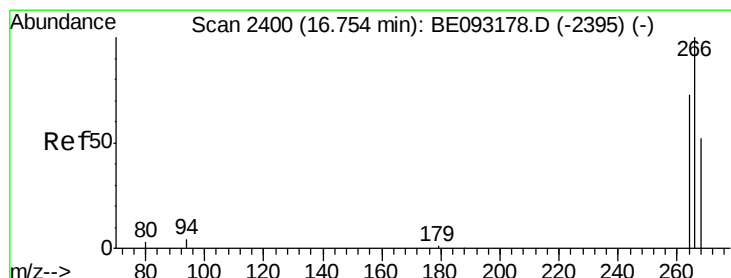
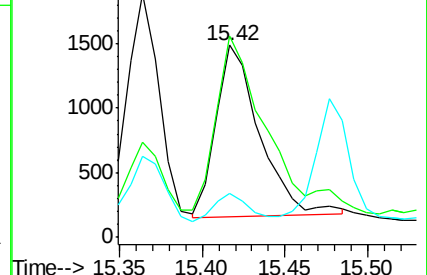
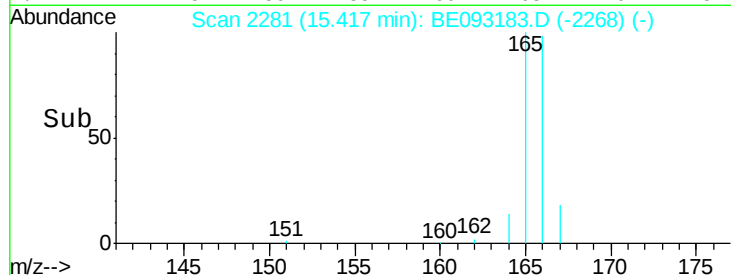
167 23.1 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.75 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

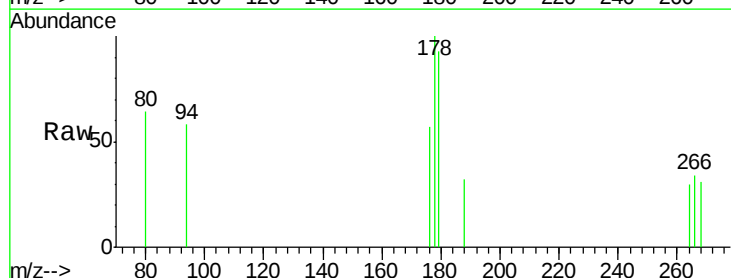
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

264 57.4 47.9 71.9

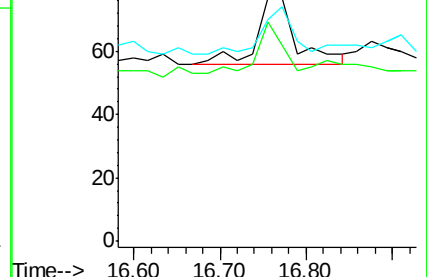
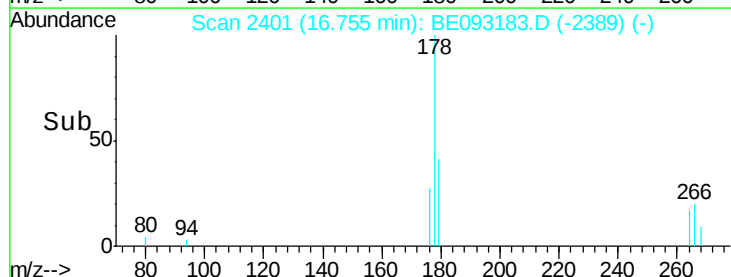
268 54.4 49.8 74.8

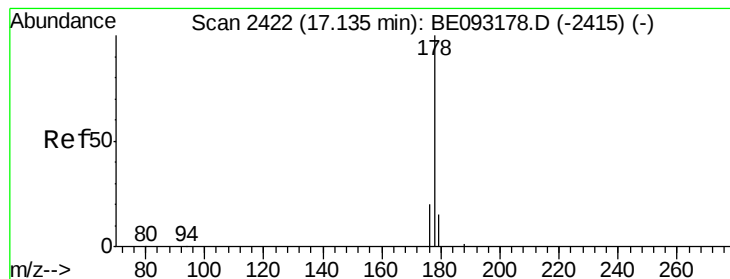


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.45 ng/ul

RT: 17.14 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

Instrument :

BNA_E

ClientSampleId :

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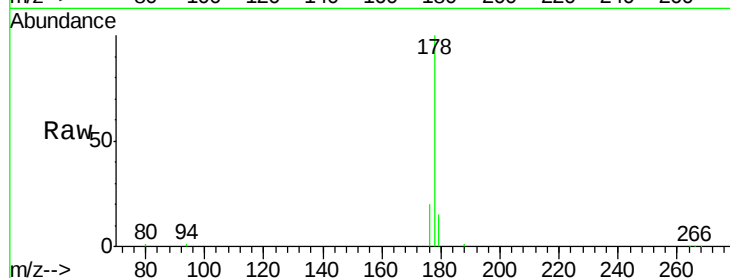
Tgt Ion:178 Resp: 34179

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

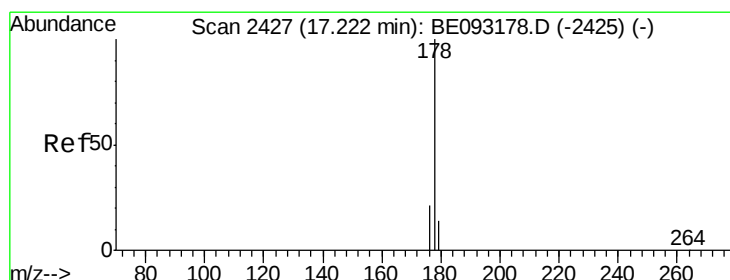
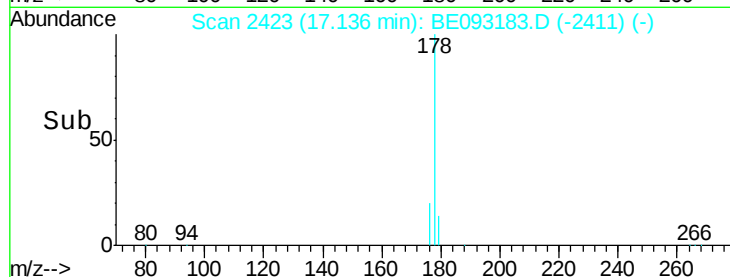
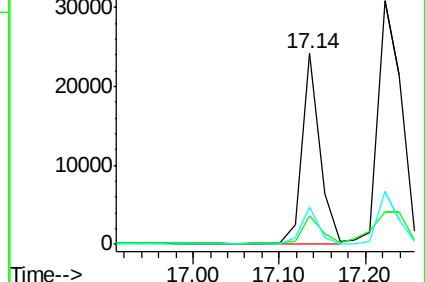
176 19.9 13.6 20.4



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: 0.90 ng/ul

RT: 17.22 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

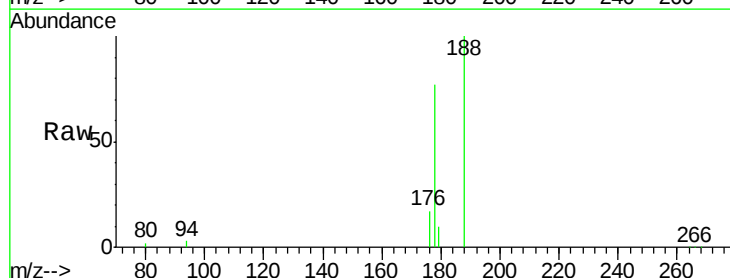
Tgt Ion:178 Resp: 59372

Ion Ratio Lower Upper

178 100

179 13.4 18.1 27.1#

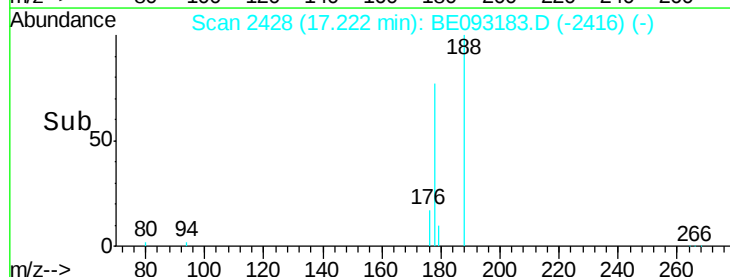
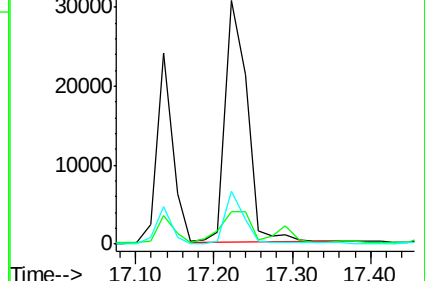
176 21.7 14.7 22.1

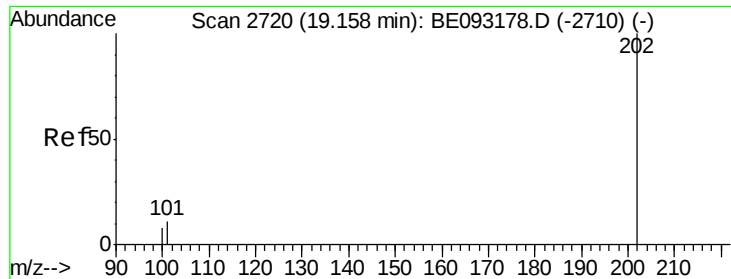


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.18 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

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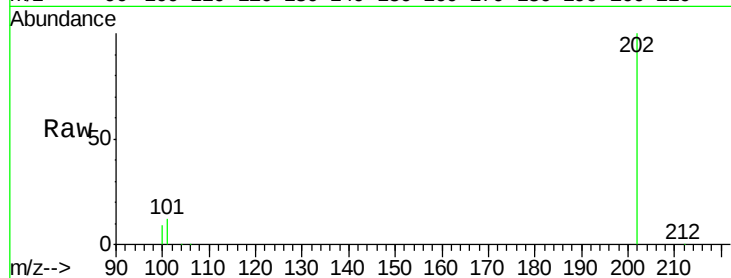
Tgt Ion:202 Resp: 202320

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

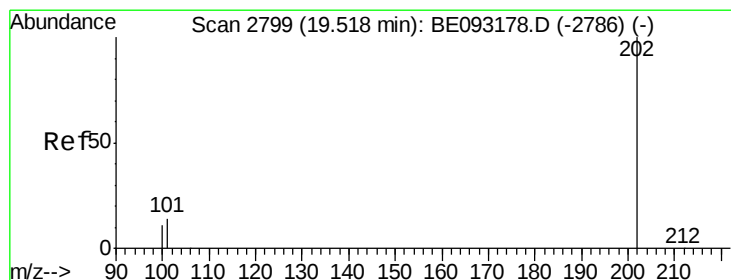
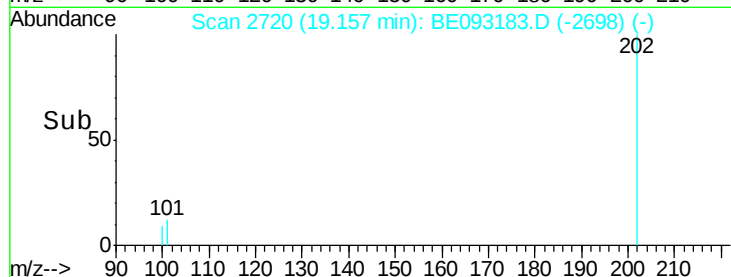
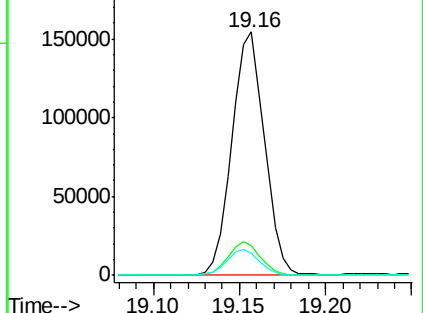
100 8.9 0.0 39.5



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: 3.66 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. -0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

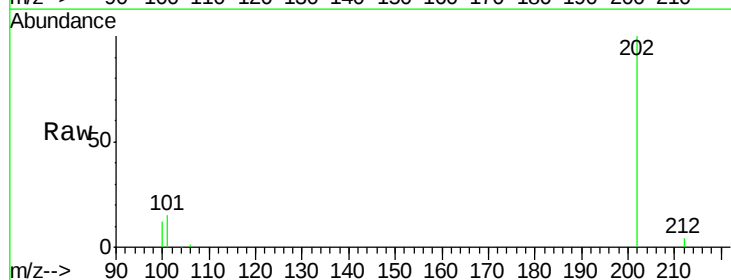
Tgt Ion:202 Resp: 308205

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

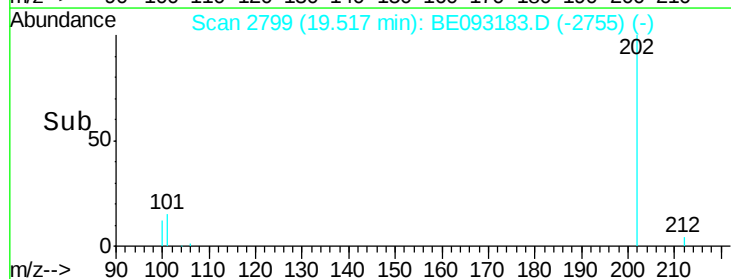
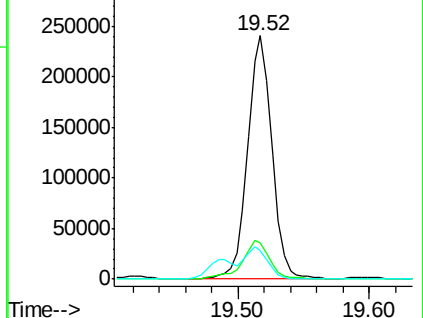
100 11.7 15.6 23.4#

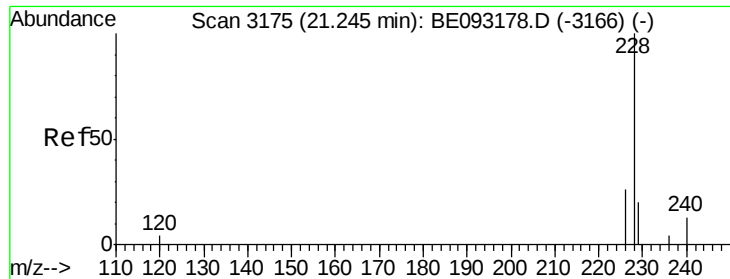


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 2.79 ng/ul

RT: 21.24 min Scan# 3175

Delta R.T. -0.00 min

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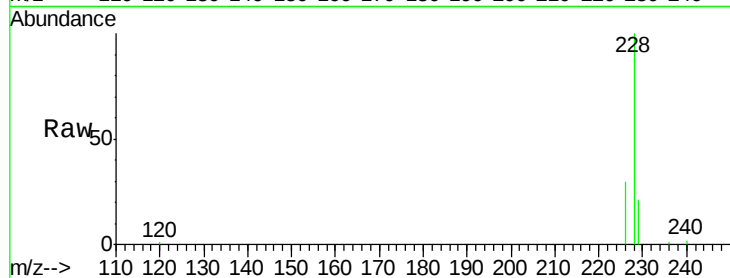
Tgt Ion:228 Resp: 212202

Ion Ratio Lower Upper

228 100

229 21.2 22.8 34.2#

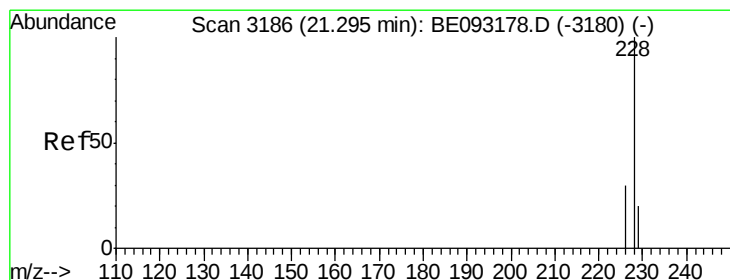
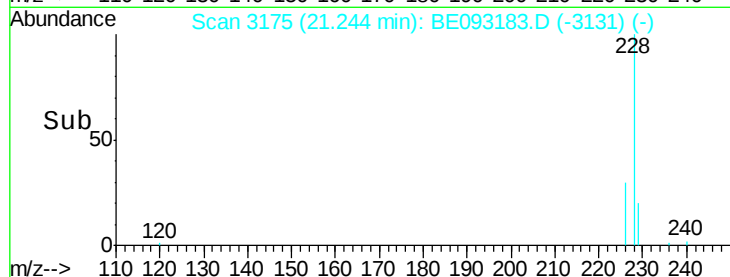
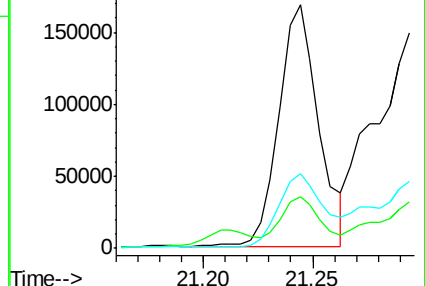
226 30.5 17.0 25.6#



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: 3.39 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

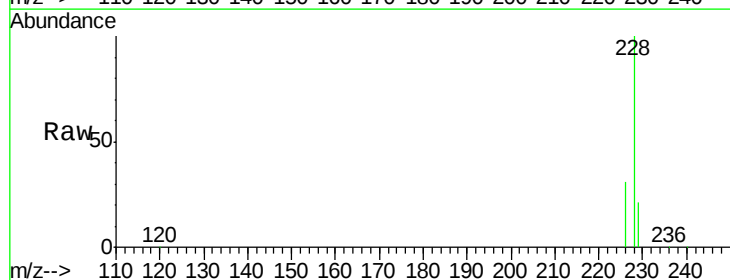
Tgt Ion:228 Resp: 267677

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

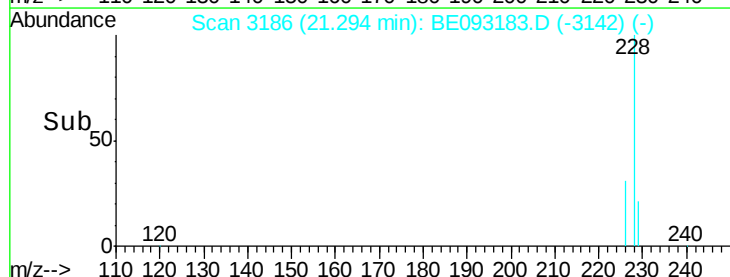
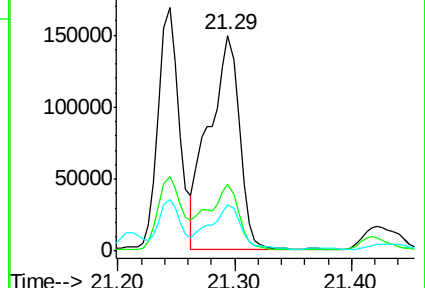
229 21.5 17.7 26.5

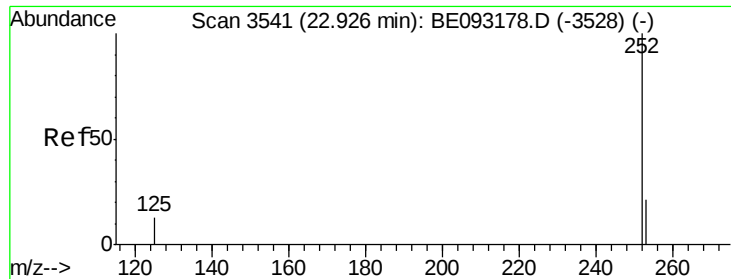


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.17 ng/u1

RT: 22.93 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BE093183.D

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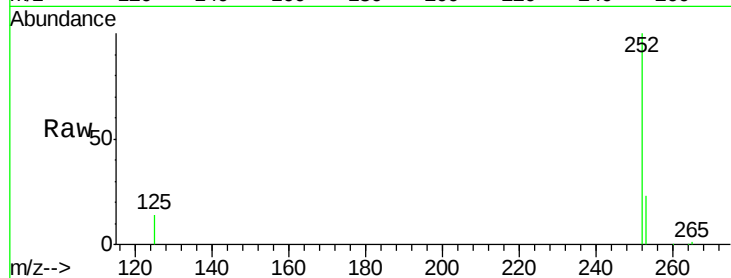
Tgt Ion:252 Resp: 557217

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

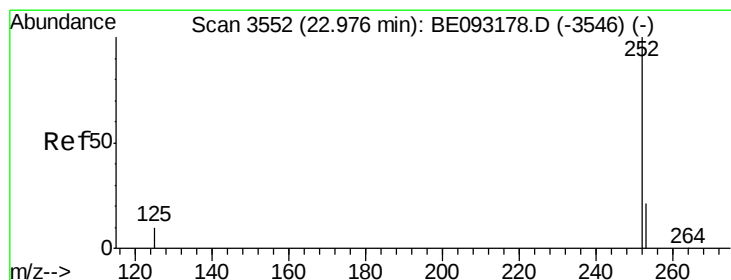
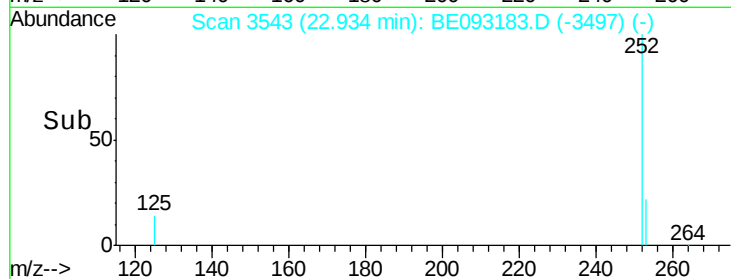
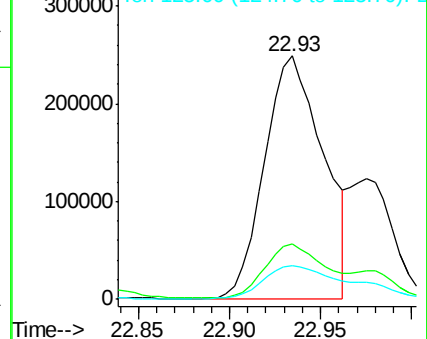
125 14.1 0.0 35.0



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: 0.22 ng/u1

RT: 22.93 min Scan# 3543

Delta R.T. -0.04 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

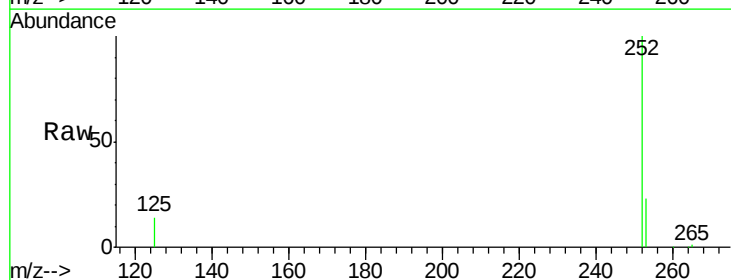
Tgt Ion:252 Resp: 760264

Ion Ratio Lower Upper

252 100

253 22.6 24.5 36.7#

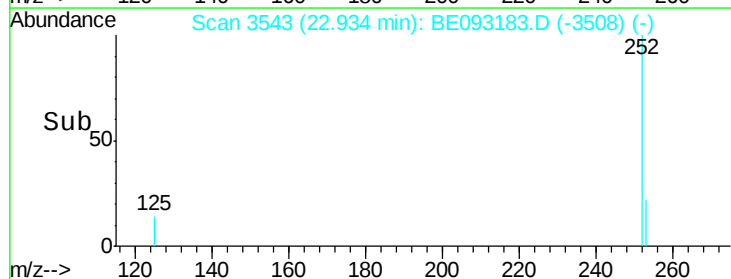
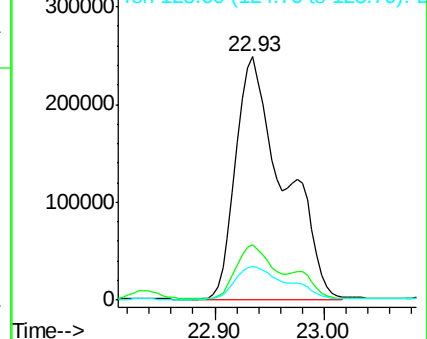
125 14.1 13.7 20.5

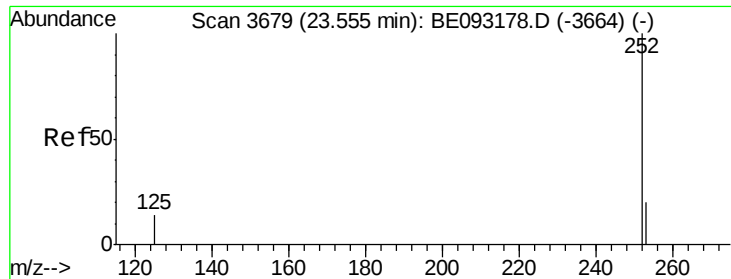


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 23.45 min Scan# 3657

Delta R.T. -0.10 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

Instrument :

BNA_E

ClientSampleId :

F5B71

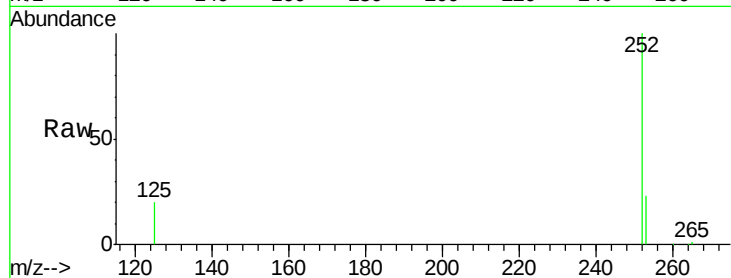
Tgt Ion:252 Resp: 285272

Ion Ratio Lower Upper

252 100

253 22.9 28.5 42.7#

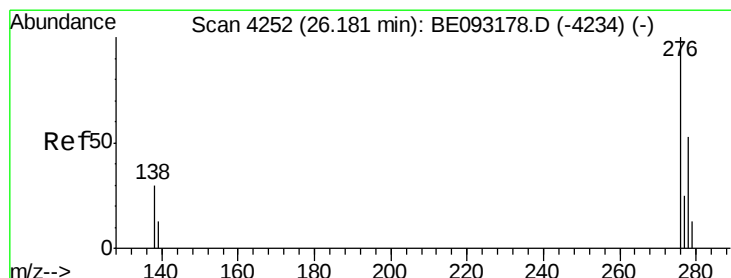
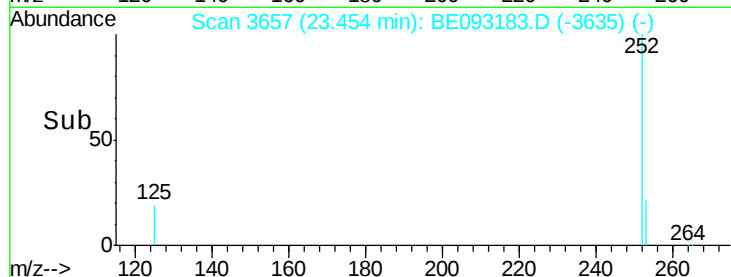
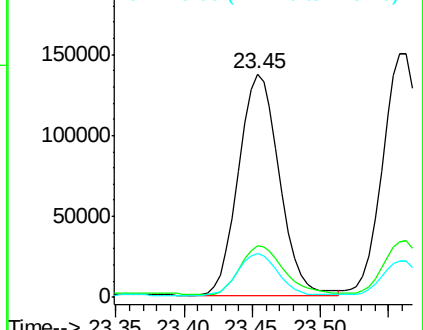
125 19.9 18.1 27.1



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/u1

RT: 25.91 min Scan# 4193

Delta R.T. -0.27 min

Lab File: BE093183.D

Acq: 14 Jun 2017 23:26

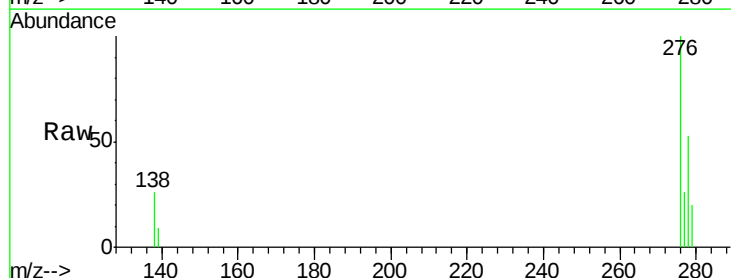
Tgt Ion:276 Resp: 45455

Ion Ratio Lower Upper

276 100

138 17.4 28.0 42.0#

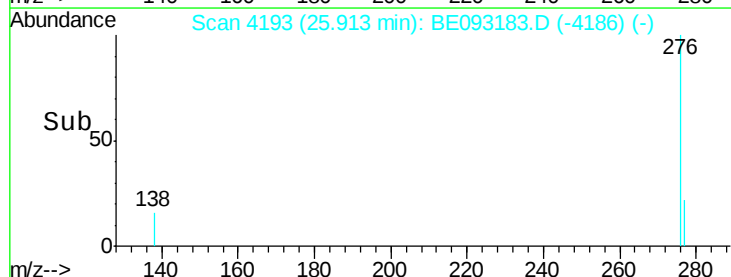
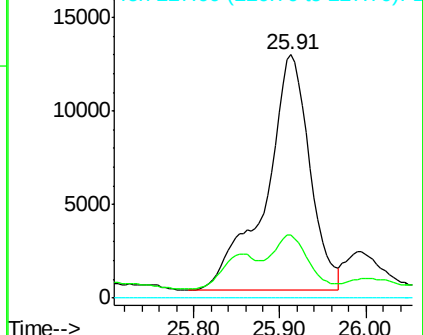
227 0.0 8.0 12.0#

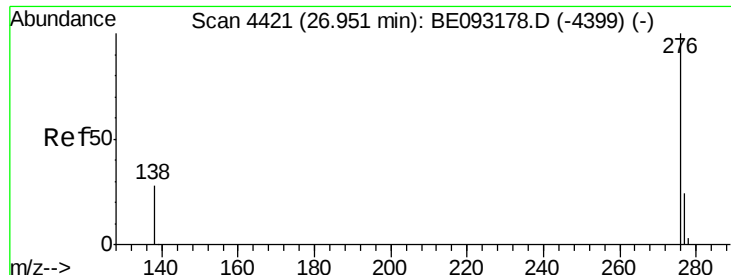


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.01 min

Lab File: BE093183.D

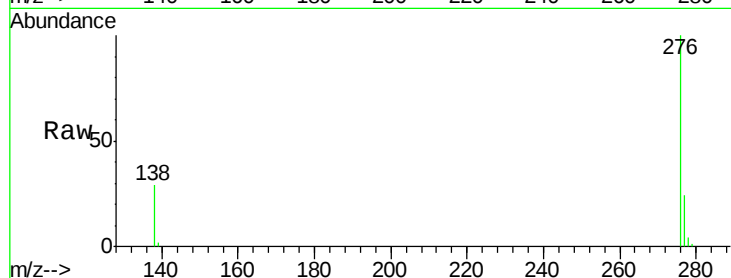
Acq: 14 Jun 2017 23:26

Instrument :

BNA_E

ClientSampleId :

F5B71



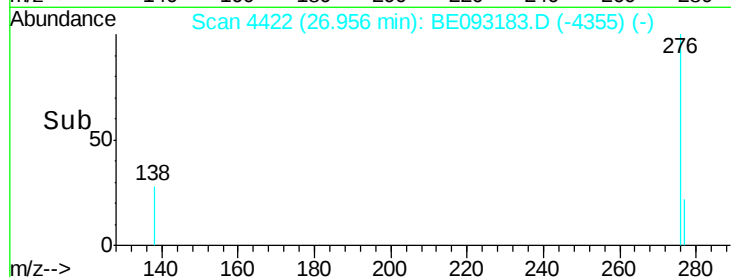
Tgt Ion: 276 Resp: 194030

Ion Ratio Lower Upper

276 100

138 28.9 21.8 32.8

277 24.4 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

