

Data File : BE093349.D
Acq On : 23 Jun 2017 22:39
Operator : SJ/JU
Sample : I3627-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A69

Quant Time: Jun 24 04:30:14 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 04:29:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1655	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8795	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5586	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13192	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13887	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	630224	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	3108	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	8977	0.25	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	2334	0.11	ng/ul#	96
5) 2-Methylnaphthalene	12.18	142	691	0.05	ng/ul	100
7) Acenaphthylene	14.08	152	38742	1.62	ng/ul	96
8) Acenaphthene	14.42	153	909	0.05	ng/ul#	89
9) Fluorene	15.41	166	1849	0.08	ng/ul	88
11) Pentachlorophenol	16.77	266	38	0.02	ng/ul	94
12) Phenanthrene	17.13	178	31579	0.87	ng/ul#	91
13) Anthracene	17.22	178	44107	1.40	ng/ul#	90
15) Fluoranthene	19.15	202	334074	7.51	ng/ul	83
17) Pyrene	19.51	202	419878	10.25	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	254943	6.88	ng/ul#	84
19) Chrysene	21.30	228	286395	7.45	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	470497	0.25	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	632406	0.31	ng/ul#	89
23) Benzo(a)pyrene	23.45	252	218774	0.12	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.92	276	24470	0.01	ng/ul#	72
26) Benzo(g,h,i)perylene	26.96	276	113437	0.06	ng/ul	97

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

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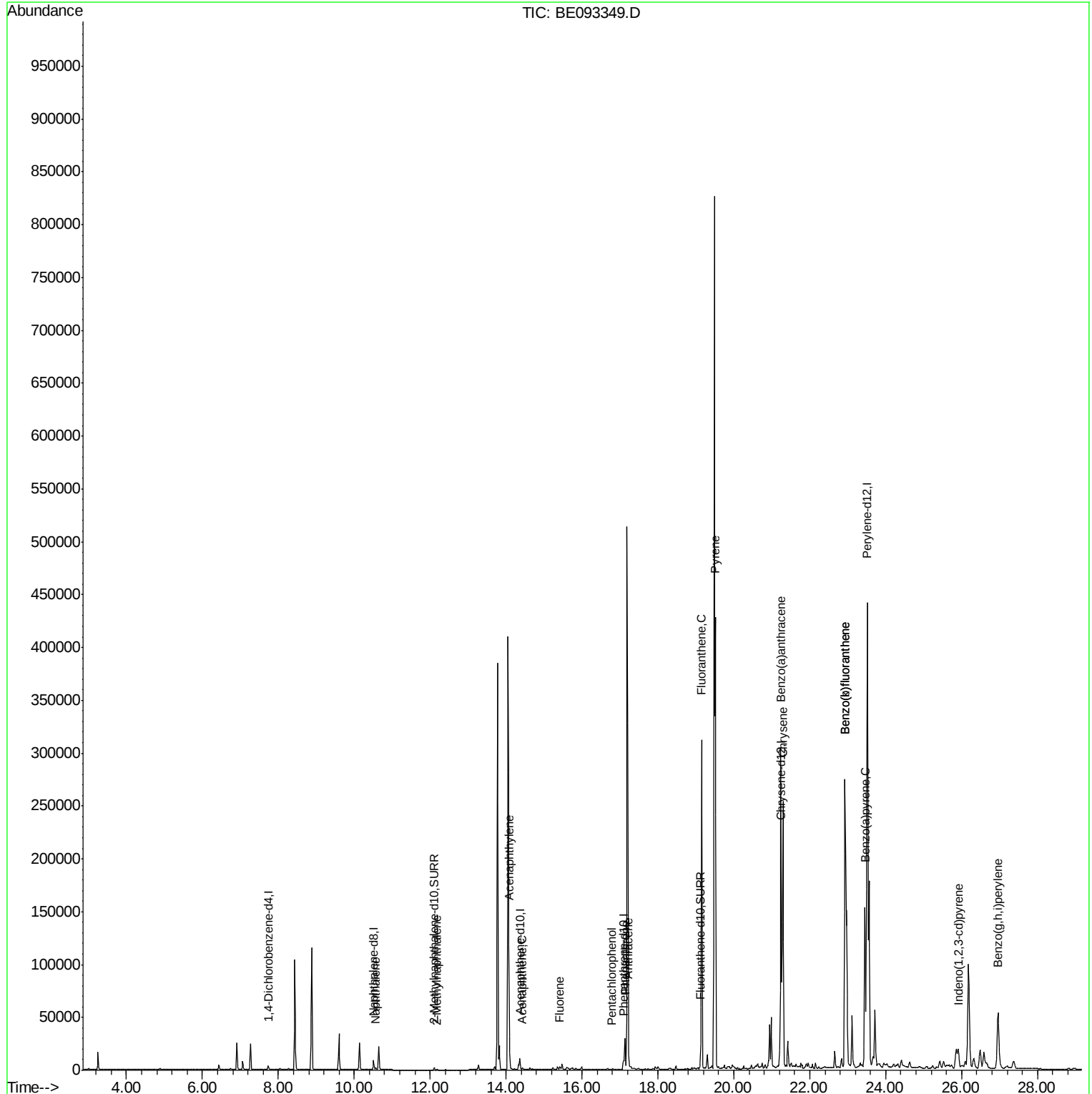
Quant Time: Jun 24 04:30:14 2017

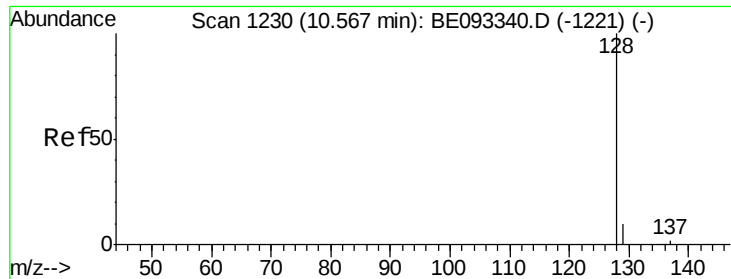
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

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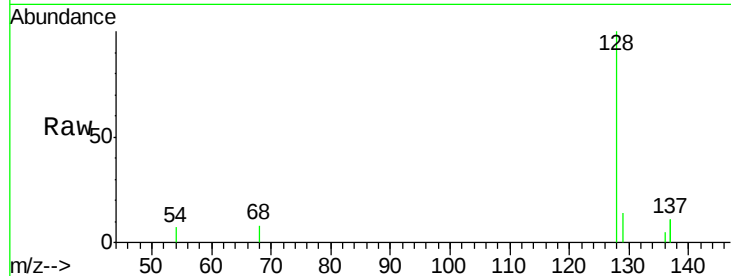
Tgt Ion:128 Resp: 2334

Ion Ratio Lower Upper

128 100

129 14.3 11.3 16.9

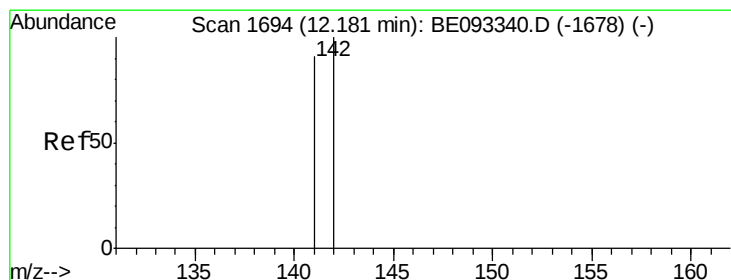
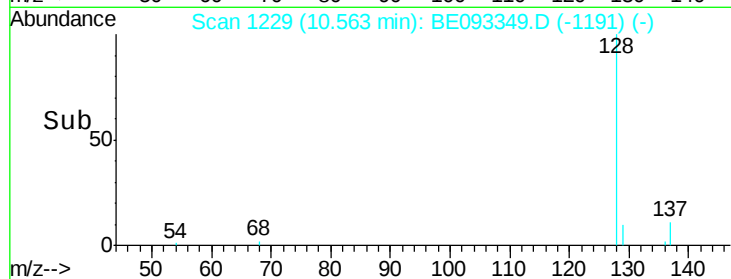
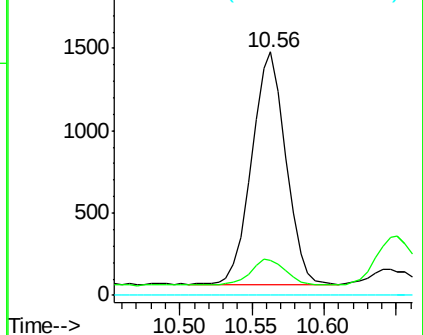
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.18 min Scan# 1692

Delta R.T. -0.00 min

Lab File: BE093349.D

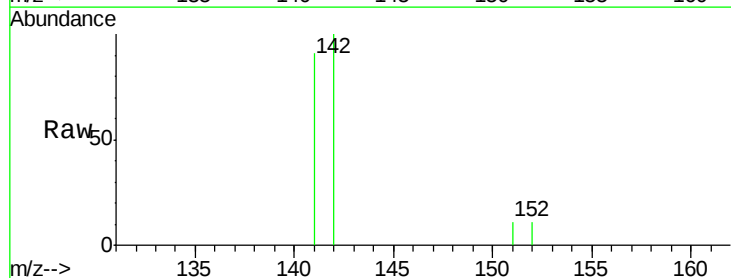
Acq: 23 Jun 2017 22:39

Tgt Ion:142 Resp: 691

Ion Ratio Lower Upper

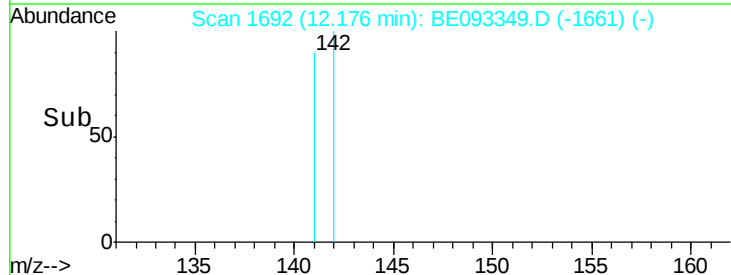
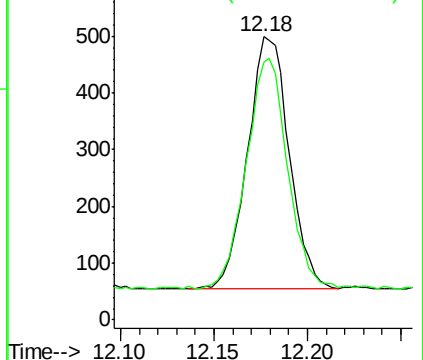
142 100

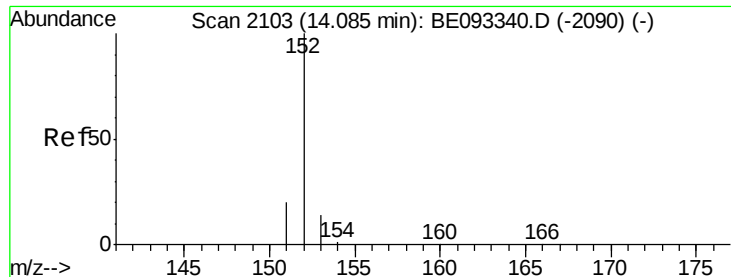
141 91.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.62 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

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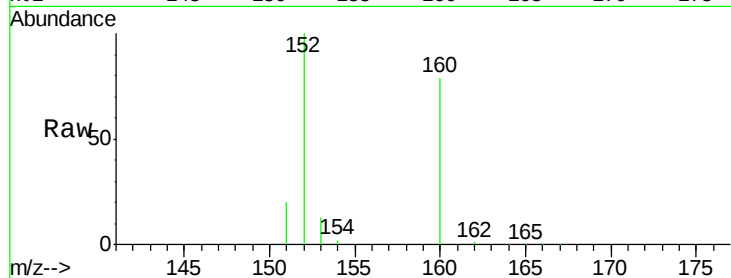
Tgt Ion:152 Resp: 38742

Ion Ratio Lower Upper

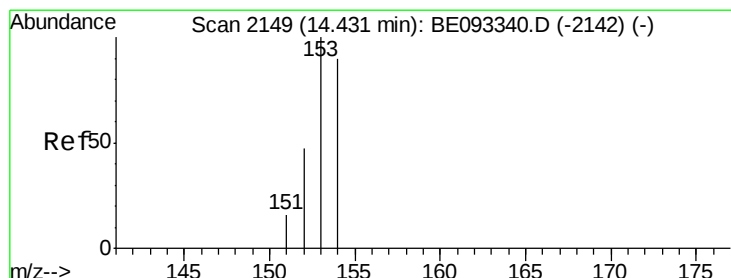
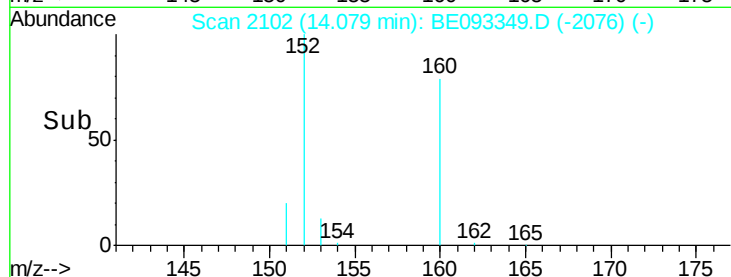
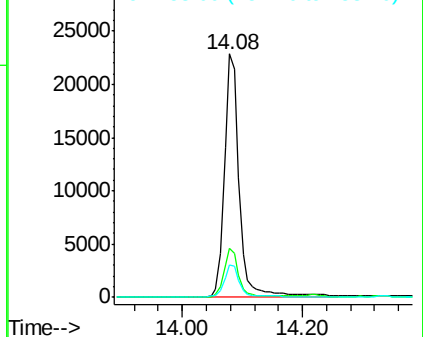
152 100

151 20.4 17.1 25.7

153 13.1 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: 14.42 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

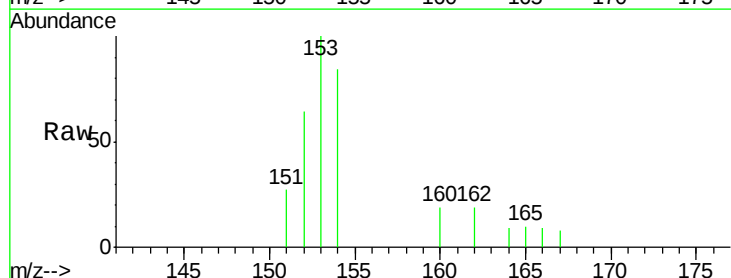
Tgt Ion:153 Resp: 909

Ion Ratio Lower Upper

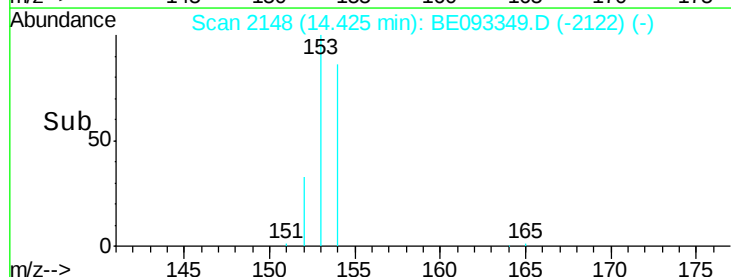
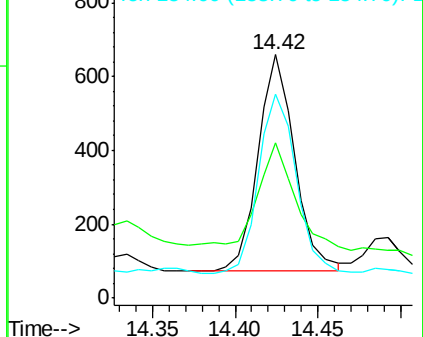
153 100

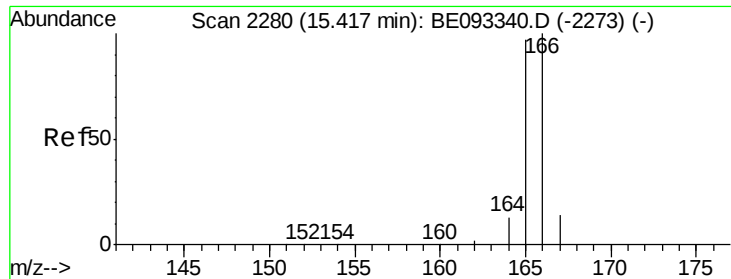
152 63.9 40.3 60.5#

154 83.9 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: 0.08 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

Instrument :

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ClientSampleId :

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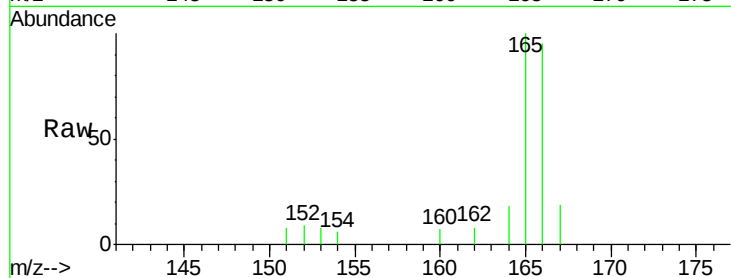
Tgt Ion:166 Resp: 1849

Ion Ratio Lower Upper

166 100

165 104.7 73.4 110.2

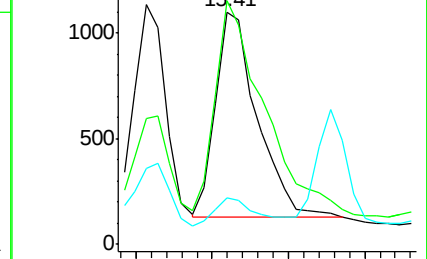
167 19.7 14.6 22.0



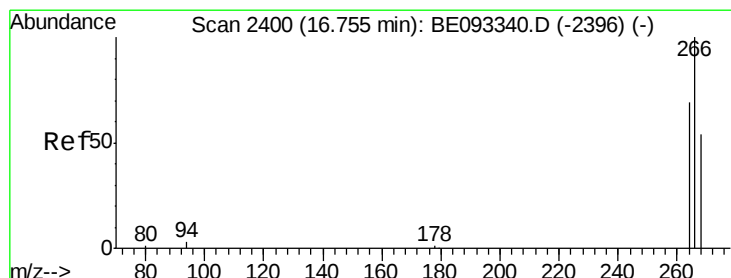
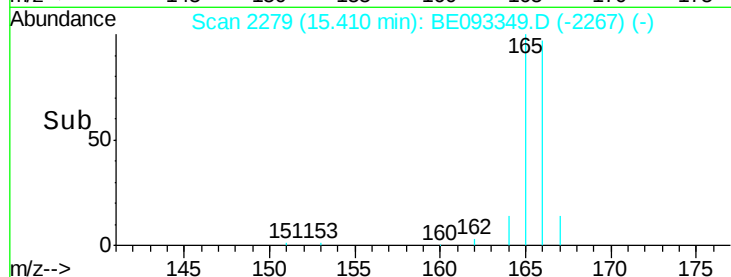
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.77 min Scan# 2401

Delta R.T. 0.02 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

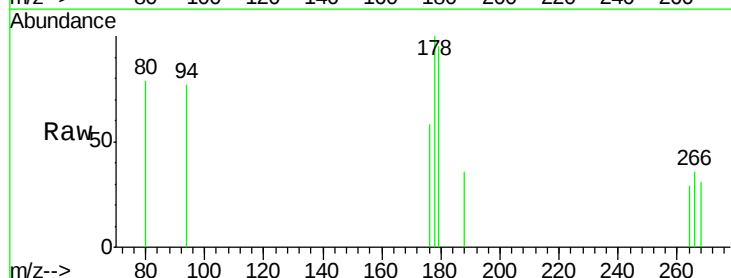
Tgt Ion:266 Resp: 38

Ion Ratio Lower Upper

266 100

264 57.9 47.9 71.9

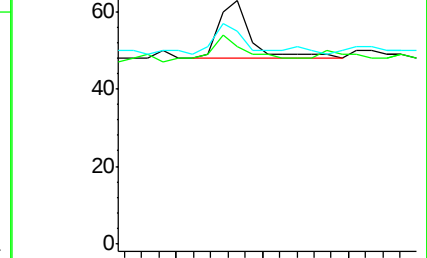
268 55.3 49.8 74.8



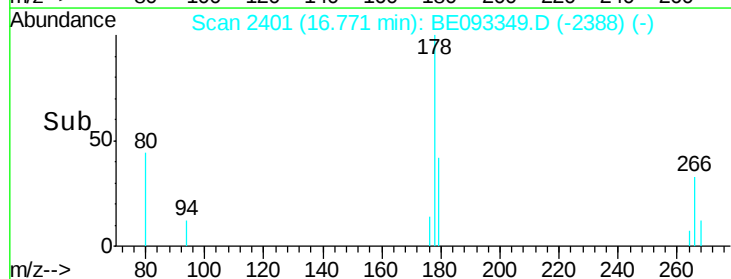
Abundance Ion 266.00 (265.70 to 266.70): E

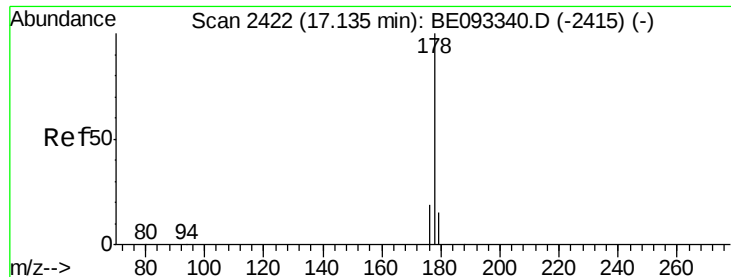
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.87 ng/ul

RT: 17.13 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

Instrument :

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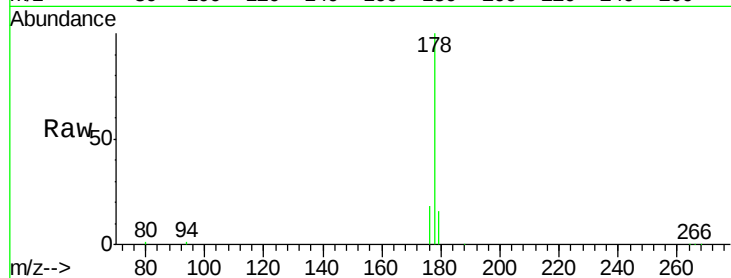
Tgt Ion:178 Resp: 31579

Ion Ratio Lower Upper

178 100

179 16.3 18.4 27.6#

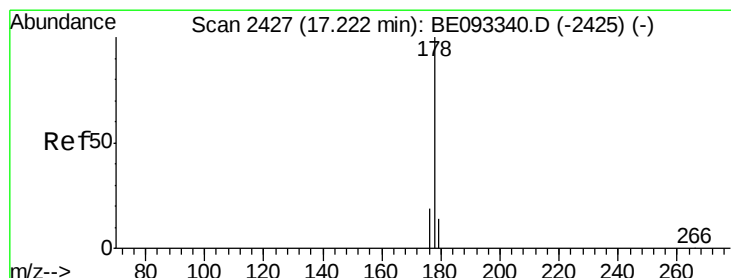
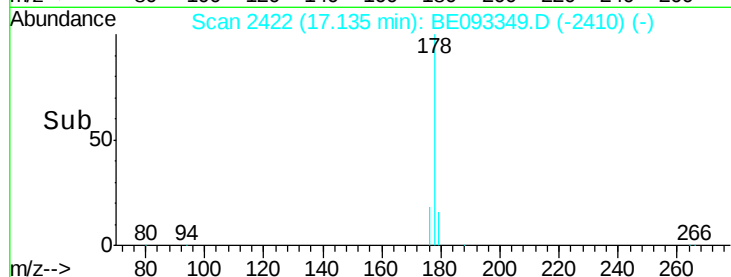
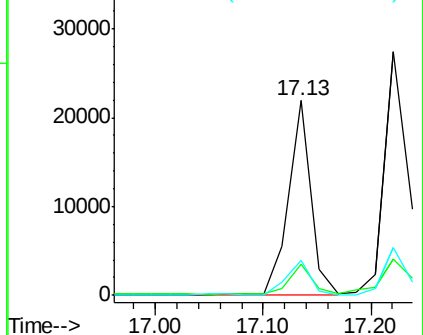
176 18.0 13.6 20.4



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: 1.40 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

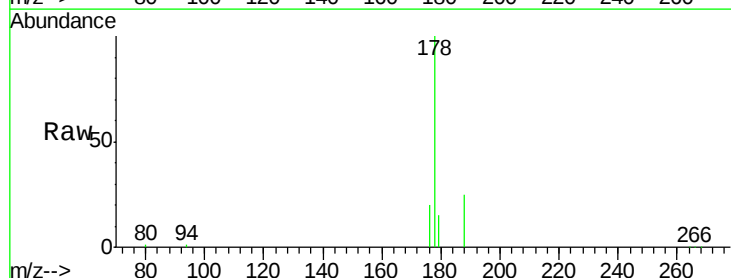
Tgt Ion:178 Resp: 44107

Ion Ratio Lower Upper

178 100

179 14.9 18.1 27.1#

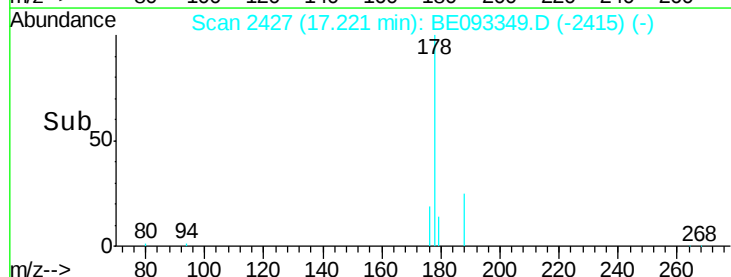
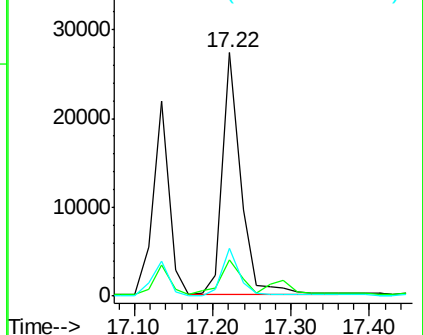
176 19.6 14.7 22.1

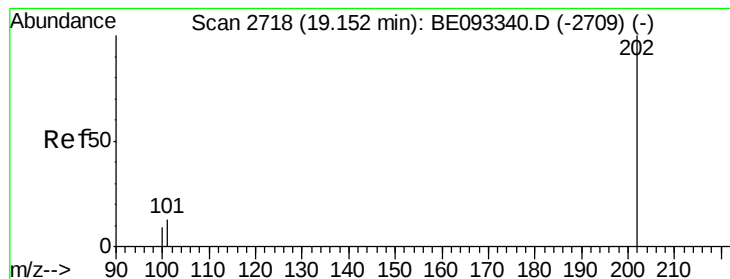


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 7.51 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. 0.00 min

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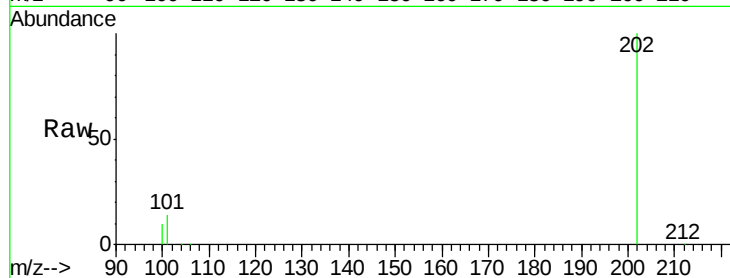
Tgt Ion:202 Resp: 334074

Ion Ratio Lower Upper

202 100

101 13.6 0.0 30.3

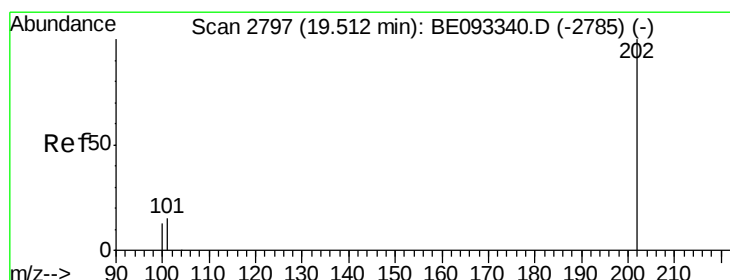
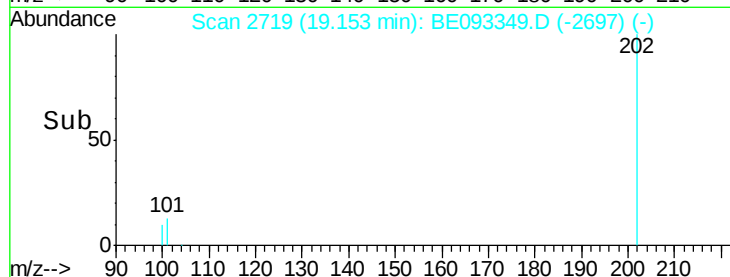
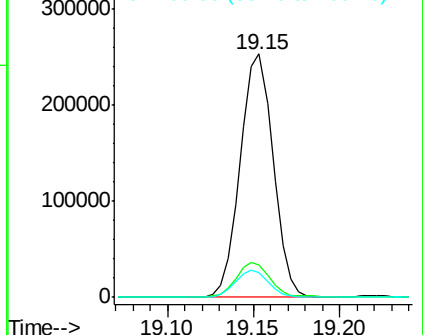
100 10.0 0.0 39.5



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: 10.25 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

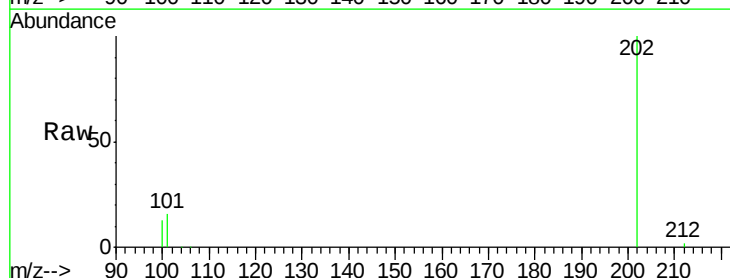
Tgt Ion:202 Resp: 419878

Ion Ratio Lower Upper

202 100

101 16.4 18.2 27.4#

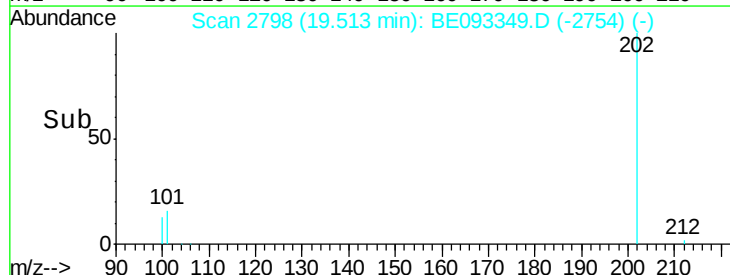
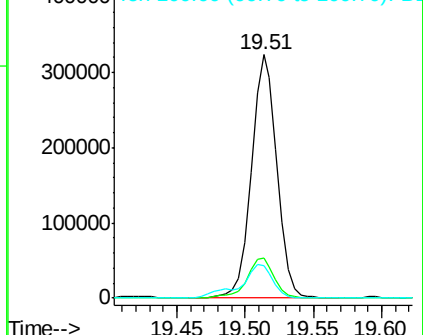
100 13.4 15.6 23.4#

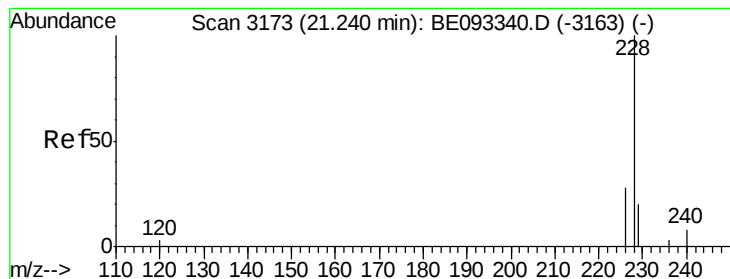


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 6.88 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

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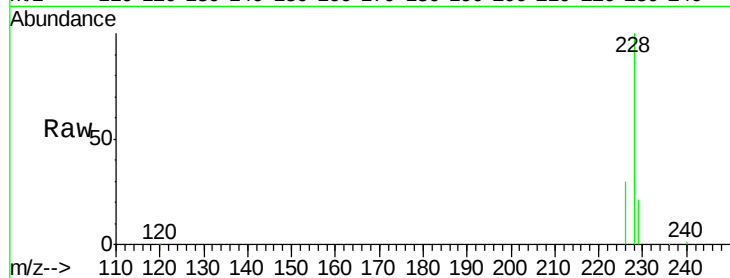
Tgt Ion:228 Resp: 254943

Ion Ratio Lower Upper

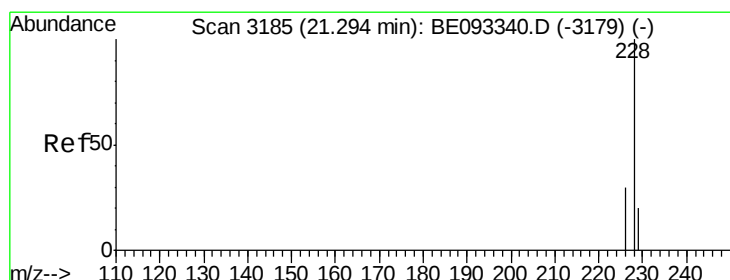
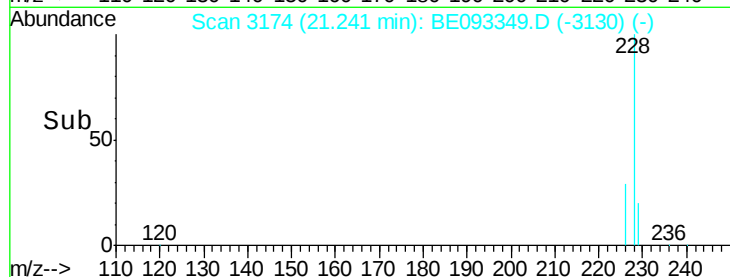
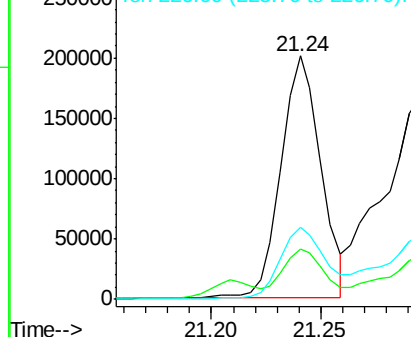
228 100

229 20.7 22.8 34.2#

226 29.7 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: 7.45 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

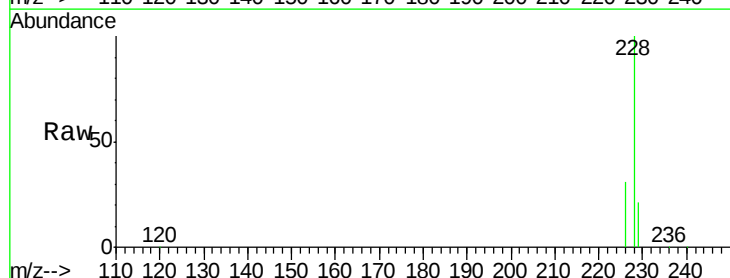
Tgt Ion:228 Resp: 286395

Ion Ratio Lower Upper

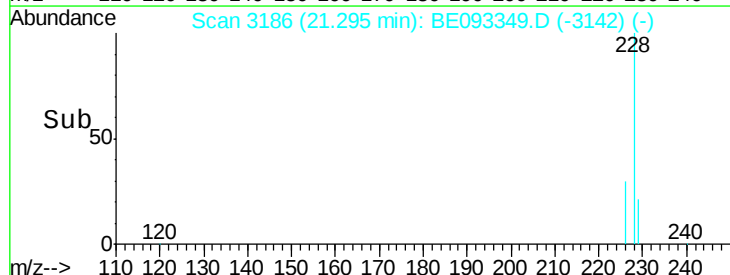
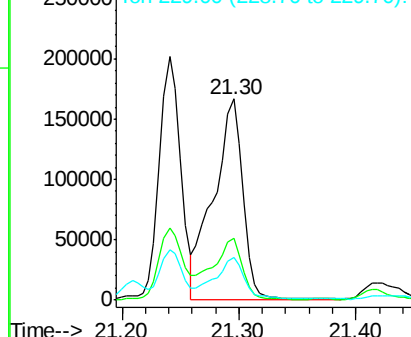
228 100

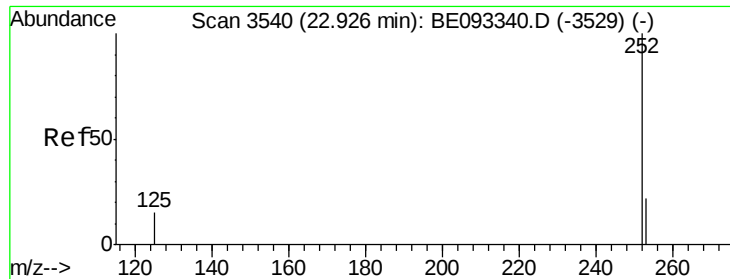
226 30.6 23.4 35.0

229 21.4 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: 0.25 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. 0.01 min

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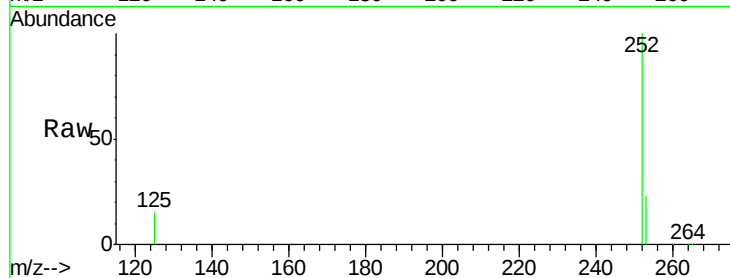
Tgt Ion:252 Resp: 470497

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

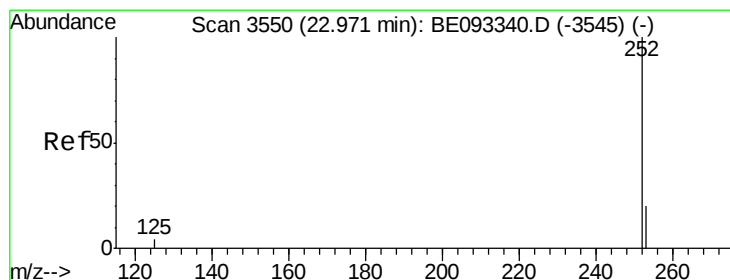
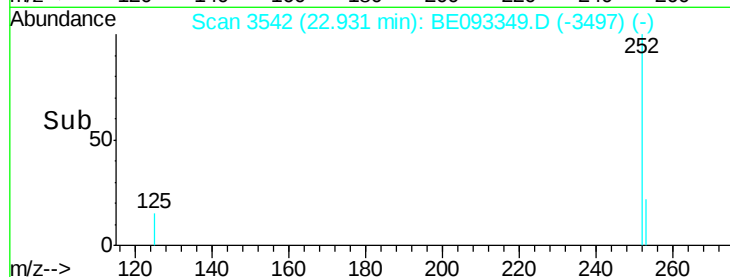
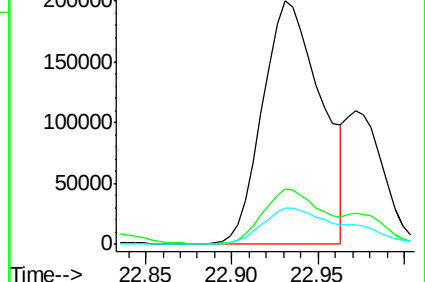
125 14.7 0.0 35.0



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: 0.31 ng/ul

RT: 22.93 min Scan# 3542

Delta R.T. -0.04 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

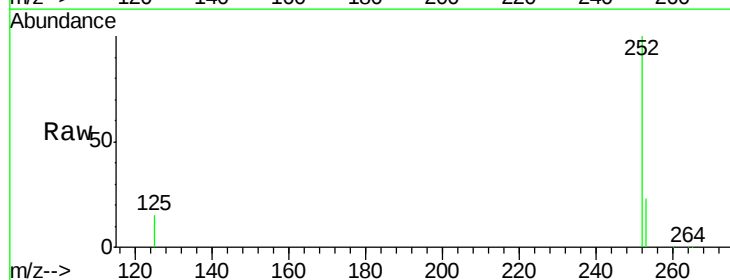
Tgt Ion:252 Resp: 632406

Ion Ratio Lower Upper

252 100

253 22.7 24.5 36.7#

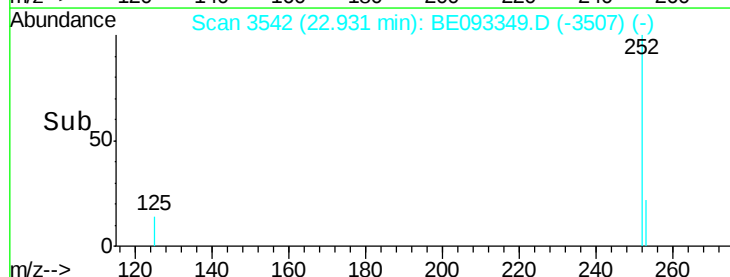
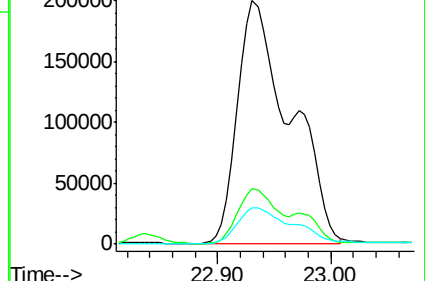
125 14.7 13.7 20.5

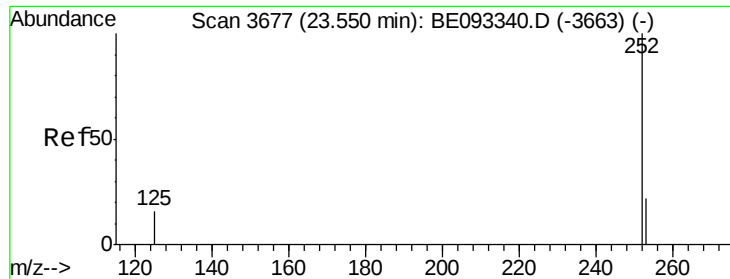


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.45 min Scan# 3657

Delta R.T. -0.10 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

Instrument :

BNA_E

ClientSampleId :

F5A69

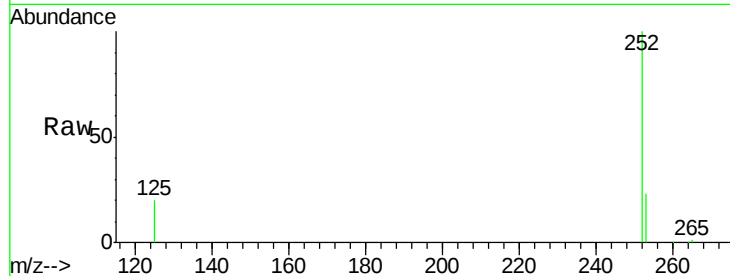
Tgt Ion:252 Resp: 218774

Ion Ratio Lower Upper

252 100

253 22.7 28.5 42.7#

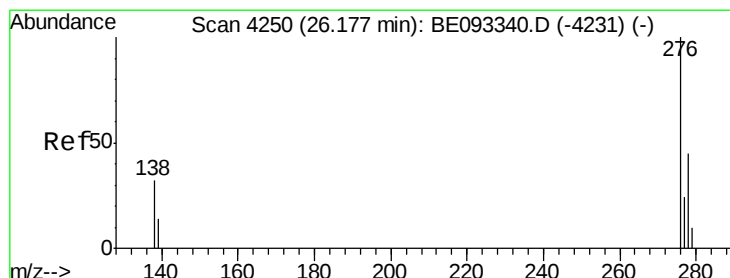
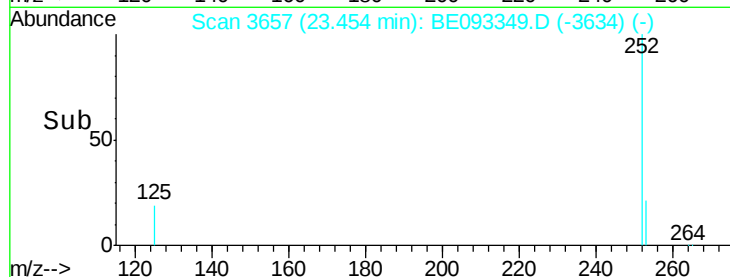
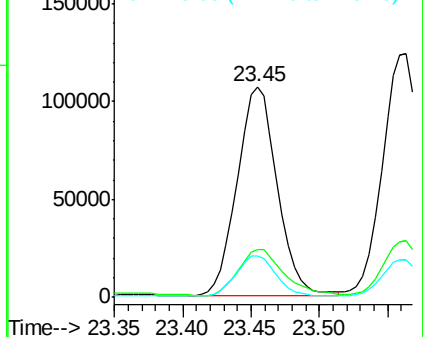
125 19.9 18.1 27.1



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/ul

RT: 25.92 min Scan# 4194

Delta R.T. -0.26 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

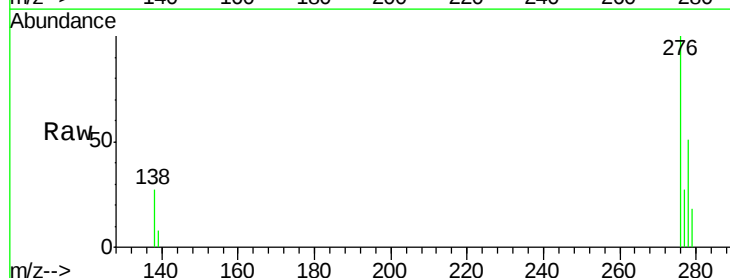
Tgt Ion:276 Resp: 24470

Ion Ratio Lower Upper

276 100

138 18.8 28.0 42.0#

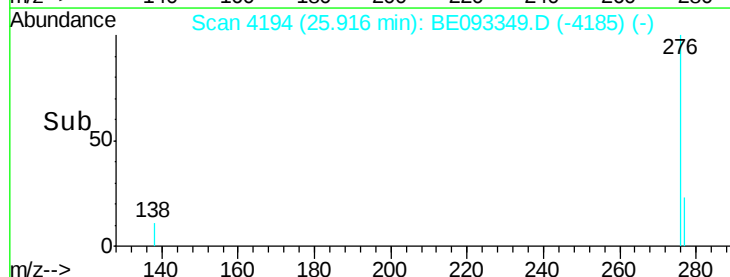
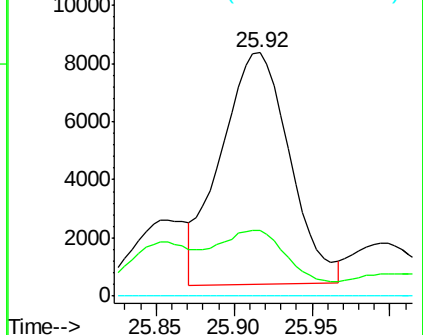
227 0.0 8.0 12.0#

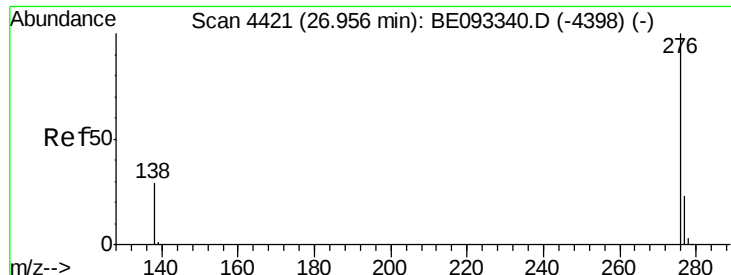


Abundance Ion 276.00 (275.70 to 276.70): E

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# 4423

Delta R.T. 0.00 min

Lab File: BE093349.D

Acq: 23 Jun 2017 22:39

Instrument :

BNA_E

ClientSampleId :

F5A69

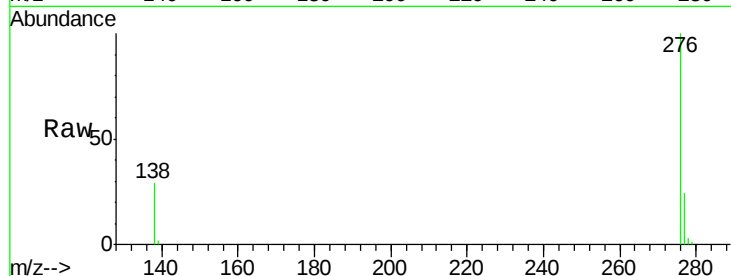
Tgt Ion: 276 Resp: 113437

Ion Ratio Lower Upper

276 100

138 29.2 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

