

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094758.D
 Acq On : 6 Nov 2017 18:03
 Operator : SJ/JU
 Sample : I6175-03 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-79(5-6)-102617

Quant Time: Nov 07 00:14:34 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 00:12:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1463	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8699	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4792	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9974	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	9813	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10863	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	1124	0.08	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1370	0.05	ng/ul	0.00

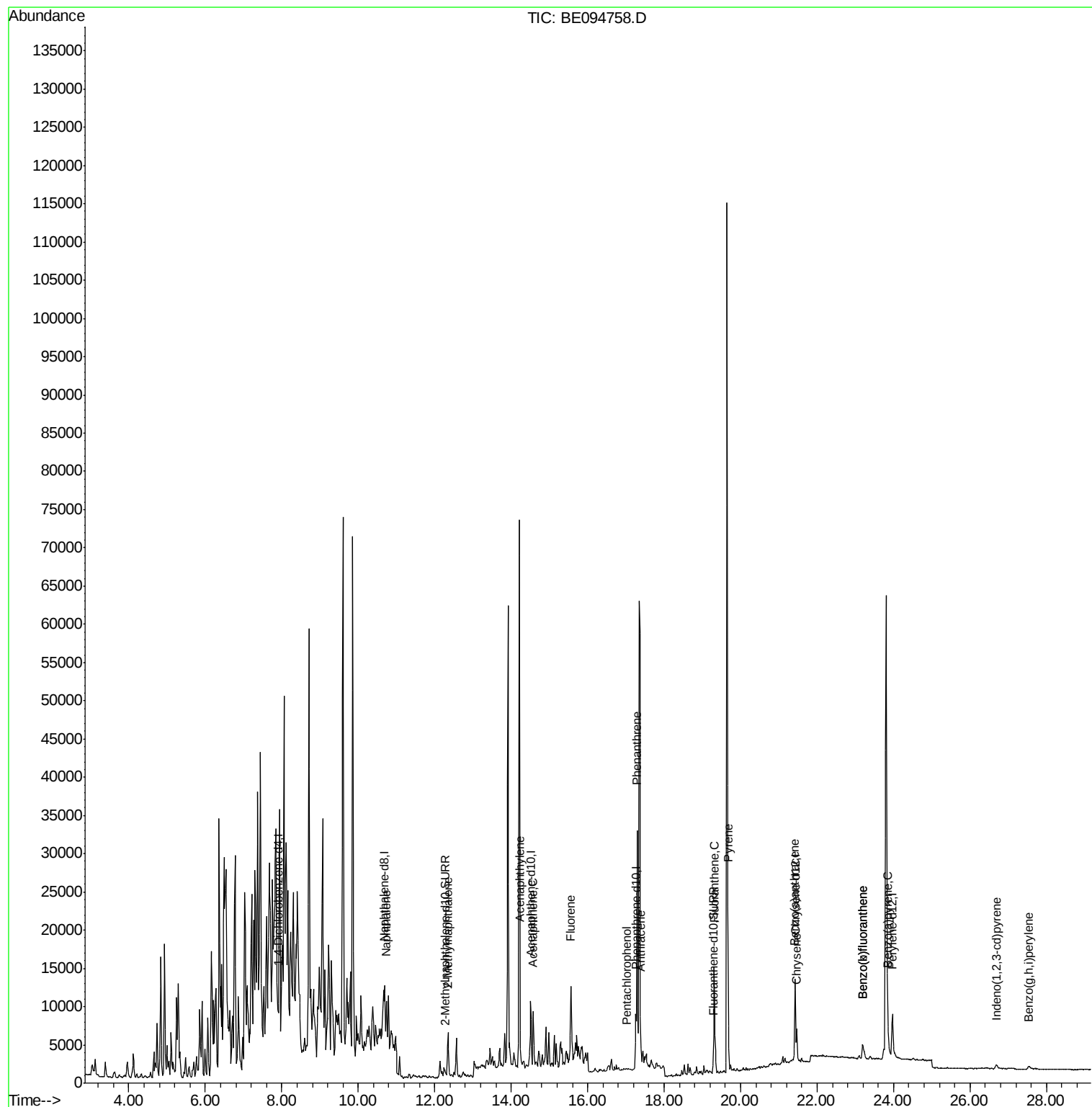
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	8859	0.42	ng/ul#	54
5) 2-Methylnaphthalene	12.34	142	4624	0.31	ng/ul	97
7) Acenaphthylene	14.24	152	695	0.03	ng/ul#	1
8) Acenaphthene	14.57	153	4599	0.30	ng/ul	93
9) Fluorene	15.57	166	7108	0.41	ng/ul	94
11) Pentachlorophenol	17.03	266	35	0.07	ng/ul#	60
12) Phenanthrene	17.29	178	36479	1.38	ng/ul#	91
13) Anthracene	17.38	178	3950	0.15	ng/ul#	85
15) Fluoranthene	19.31	202	17742	0.58	ng/ul	84
17) Pyrene	19.67	202	15992	0.53	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	4035	0.14	ng/ul#	73
19) Chrysene	21.47	228	4773	0.16	ng/ul#	73
21) Benzo(b)fluoranthene	23.19	252	5110	0.17	ng/ul#	41
22) Benzo(k)fluoranthene	23.19	252	5030	0.15	ng/ul#	38
23) Benzo(a)pyrene	23.86	252	1902	0.06	ng/ul#	14
24) Indeno(1,2,3-cd)pyrene	26.69	276	1229	0.04	ng/ul#	74
26) Benzo(a,h,i)perylene	27.53	276	1170	0.05	ng/ul#	14

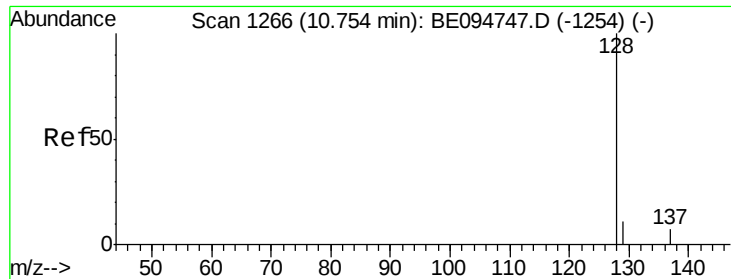
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.42 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

Instrument :

BNA_E

ClientSampleId :

B-79(5-6)-102617

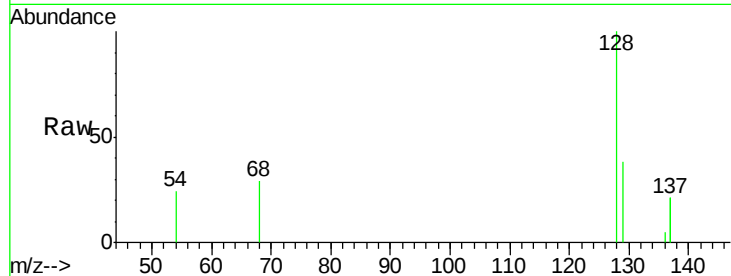
Tot Ion:128 Resp: 8859

Ion Ratio Lower Upper

128 100

129 37.6 11.3 16.9#

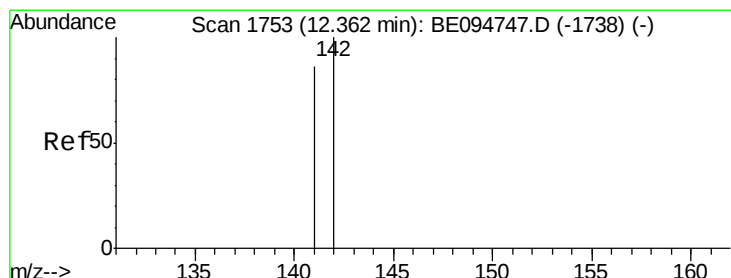
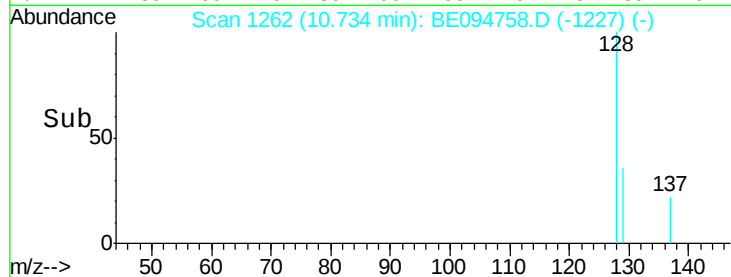
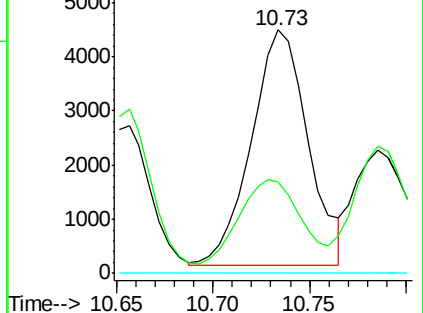
127 0.0 4.0 6.0#



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: 0.31 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094758.D

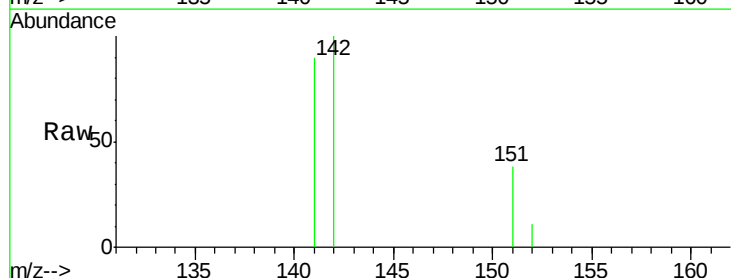
Acq: 6 Nov 2017 18:03

Tgt Ion:142 Resp: 4624

Ion Ratio Lower Upper

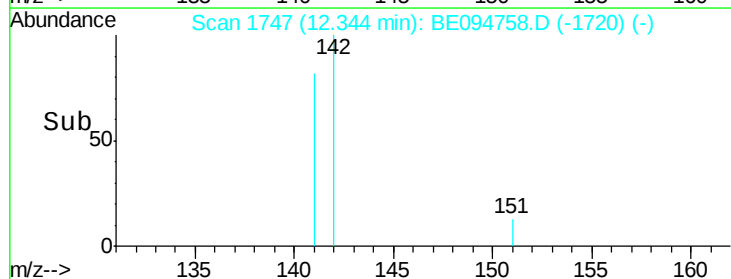
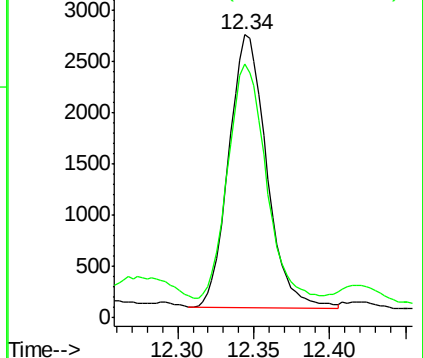
142 100

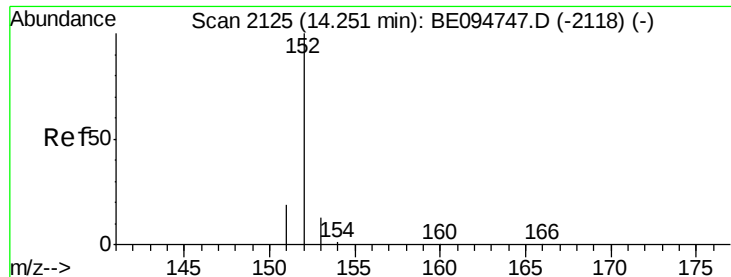
141 87.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

Instrument :

BNA_E

ClientSampleId :

B-79(5-6)-102617

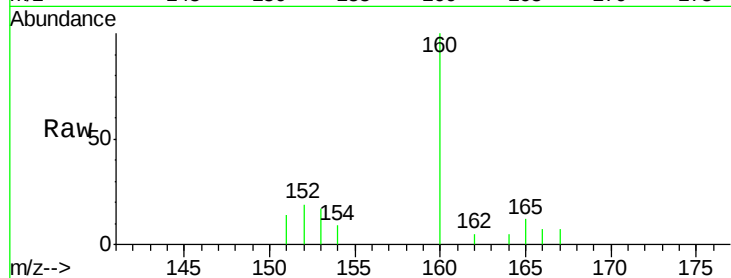
Tot Ion:152 Resp: 695

Ion Ratio Lower Upper

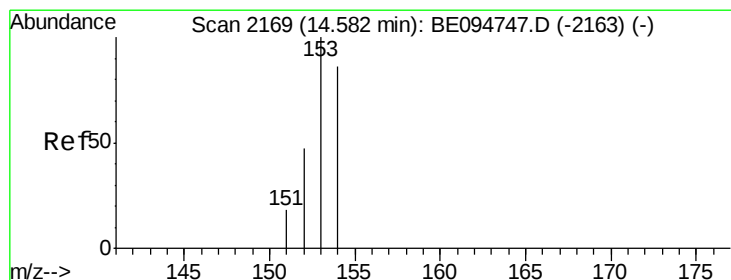
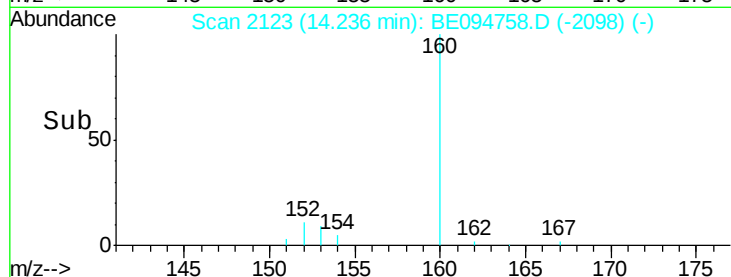
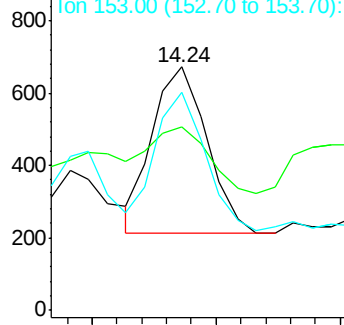
152 100

151 75.6 17.1 25.7#

153 89.4 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: 0.30 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

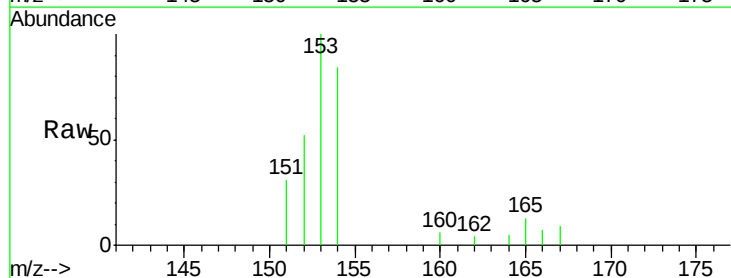
Tgt Ion:153 Resp: 4599

Ion Ratio Lower Upper

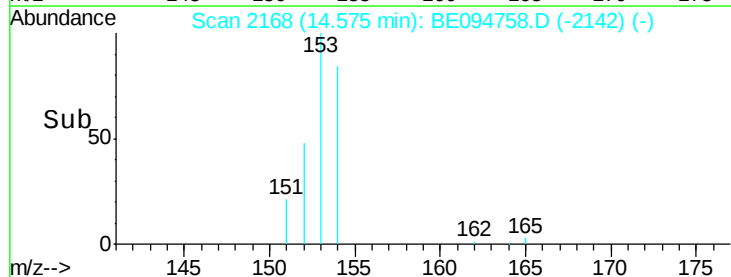
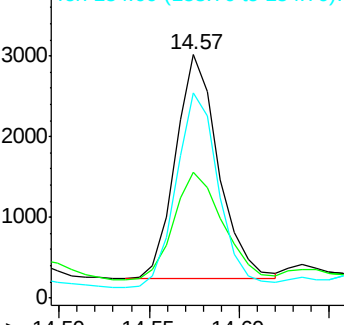
153 100

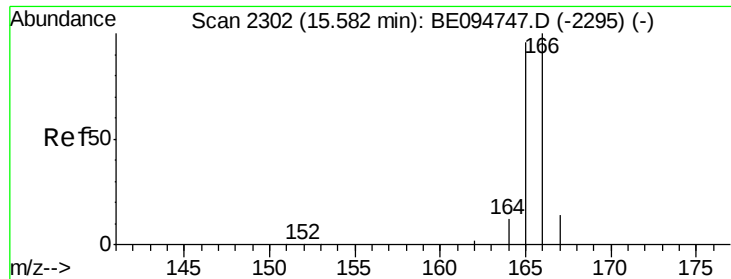
152 51.5 36.0 54.0

154 84.3 72.0 108.0



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: 0.41 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

Instrument :

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ClientSampleId :

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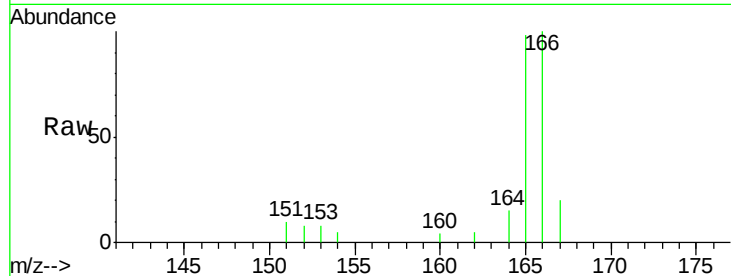
Tot Ion:166 Resp: 7108

Ion Ratio Lower Upper

166 100

165 97.7 73.4 110.2

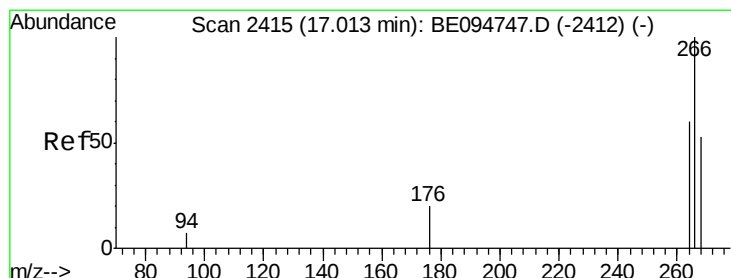
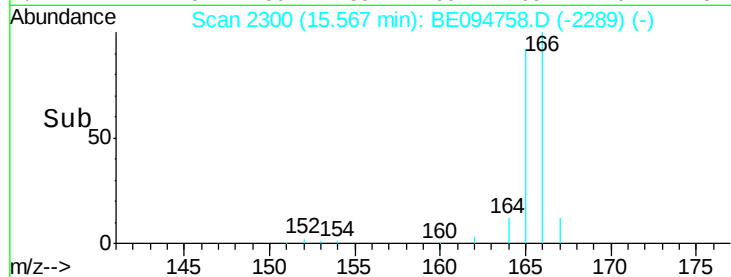
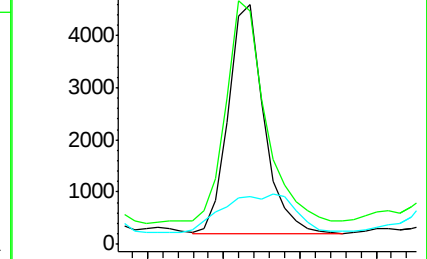
167 19.8 14.6 22.0



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: 0.07 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. 0.02 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

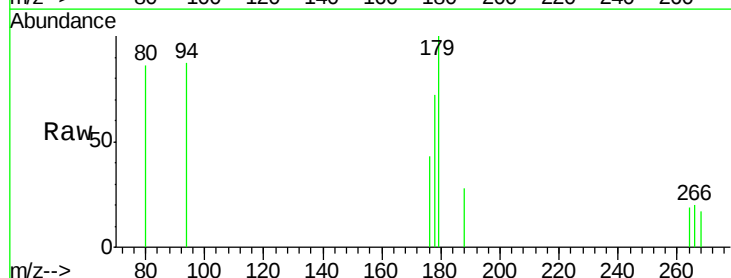
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

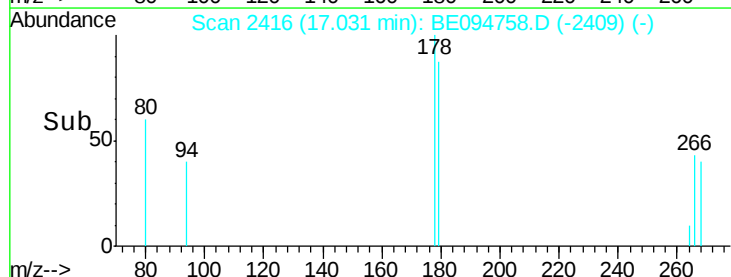
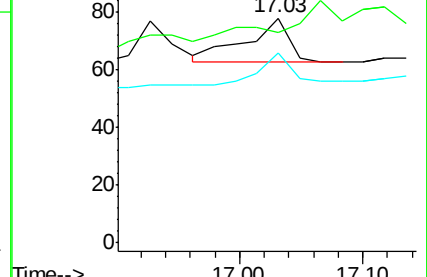
268 60.0 49.8 74.8

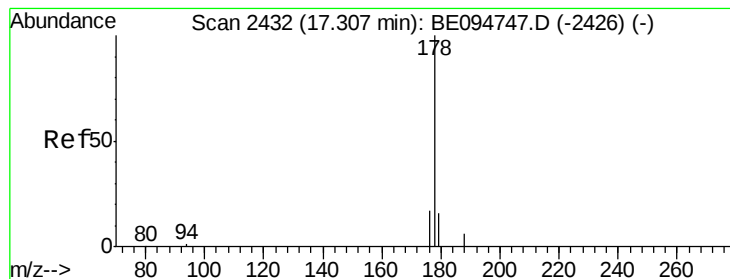


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.38 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

Instrument :

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ClientSampleId :

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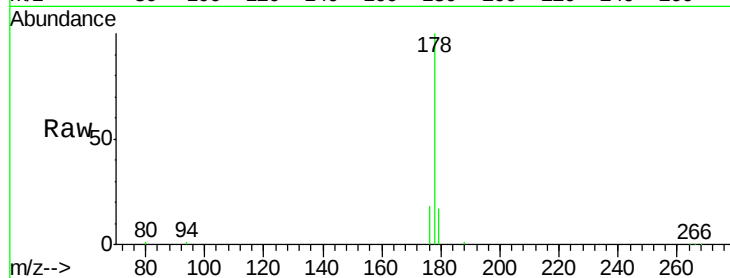
Tot Ion:178 Resp: 36479

Ion Ratio Lower Upper

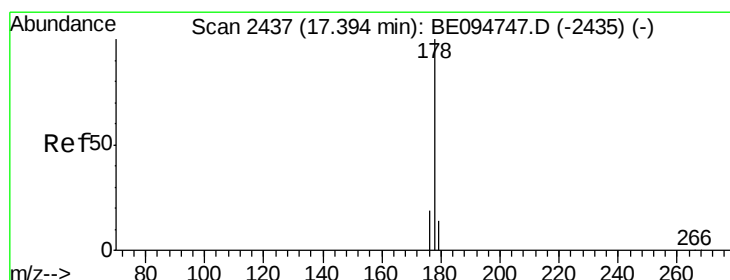
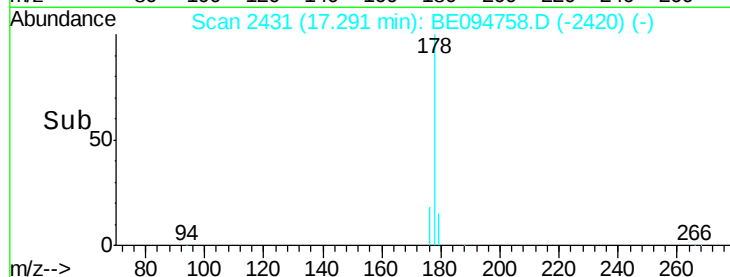
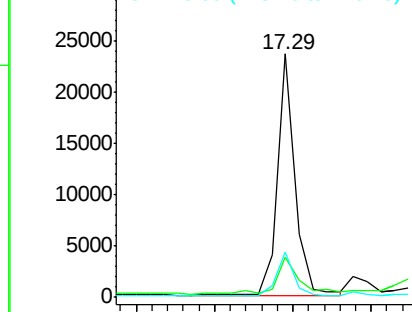
178 100

179 16.5 18.4 27.6#

176 18.4 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: 0.15 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

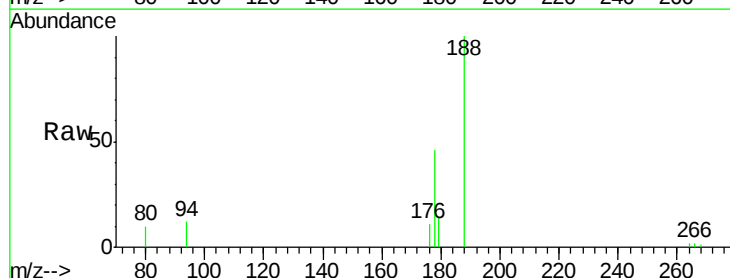
Tgt Ion:178 Resp: 3950

Ion Ratio Lower Upper

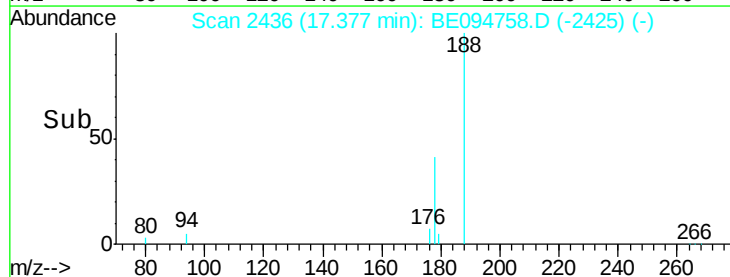
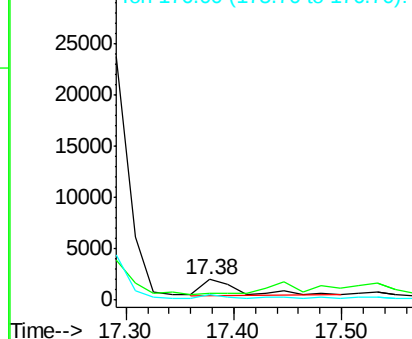
178 100

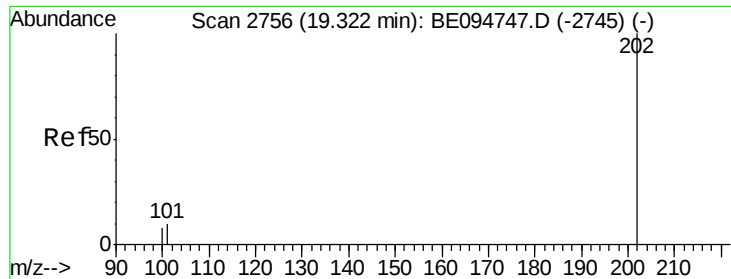
179 30.1 18.1 27.1#

176 24.8 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: 0.58 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

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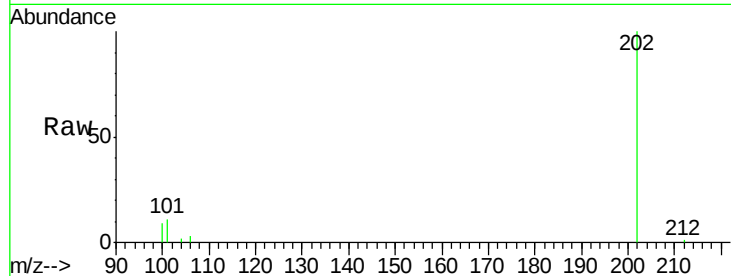
Tot Ion:202 Resp: 17742

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

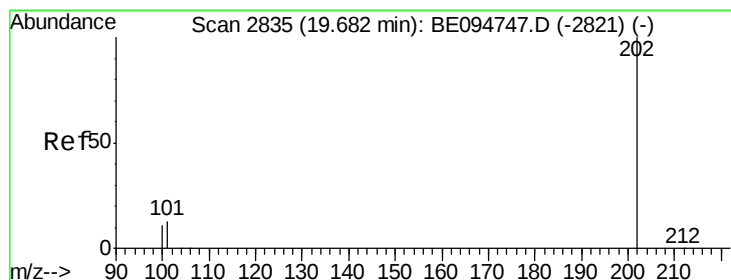
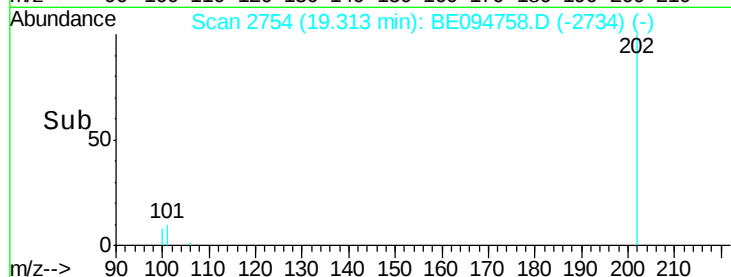
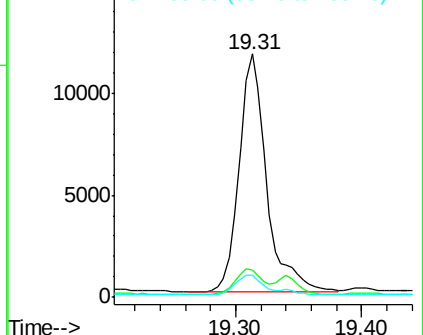
100 9.2 0.0 39.5



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: 0.53 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

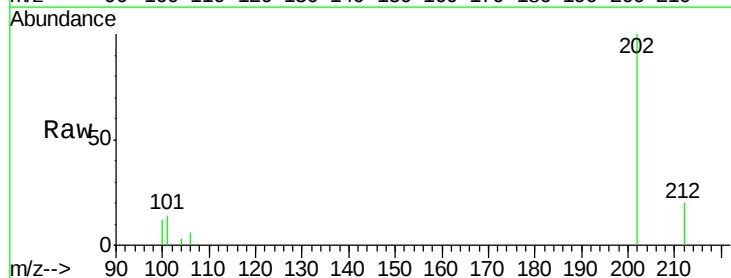
Tgt Ion:202 Resp: 15992

Ion Ratio Lower Upper

202 100

101 14.3 18.2 27.4#

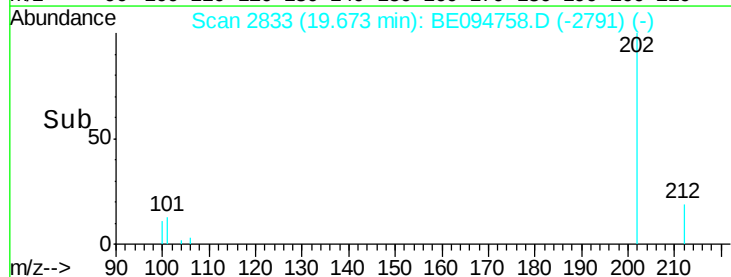
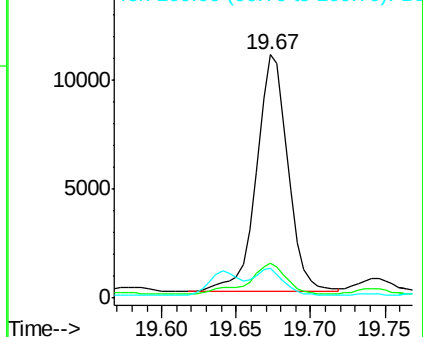
100 12.3 15.6 23.4#

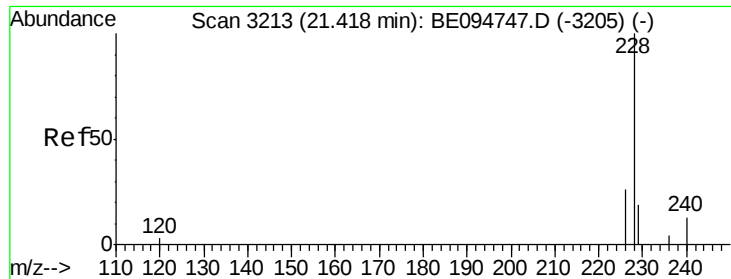


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.14 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BE094758.D

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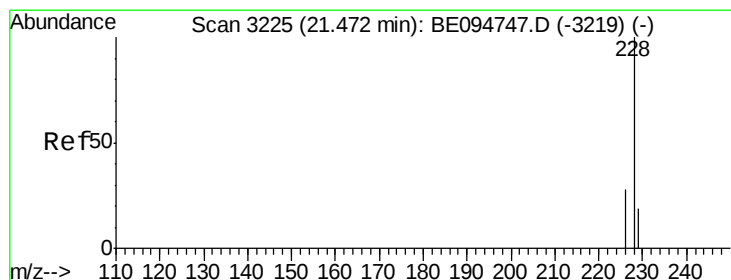
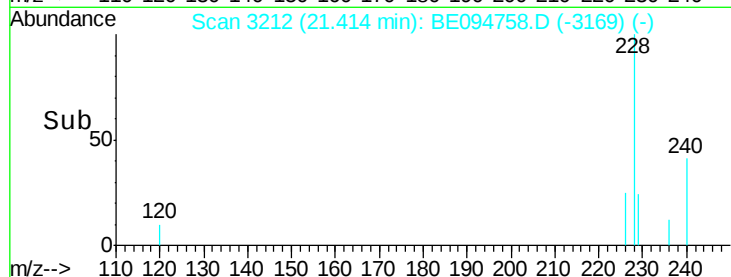
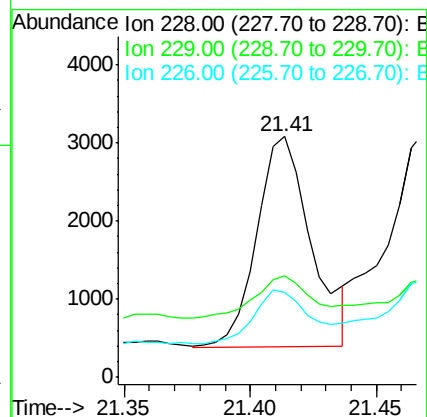
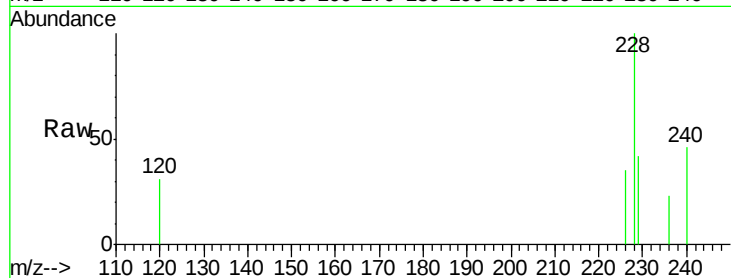
Tot Ion:228 Resp: 4035

Ion Ratio Lower Upper

228 100

229 42.1 22.8 34.2#

226 35.2 17.0 25.6#



#19

Chrysene

Concen: 0.16 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

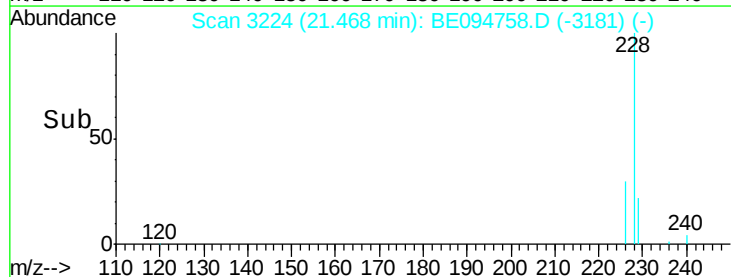
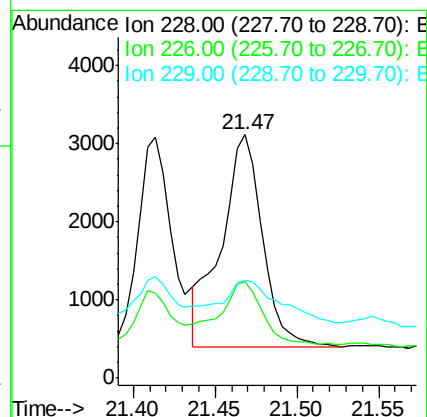
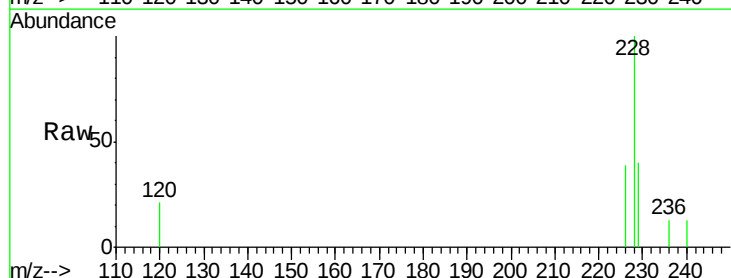
Tgt Ion:228 Resp: 4773

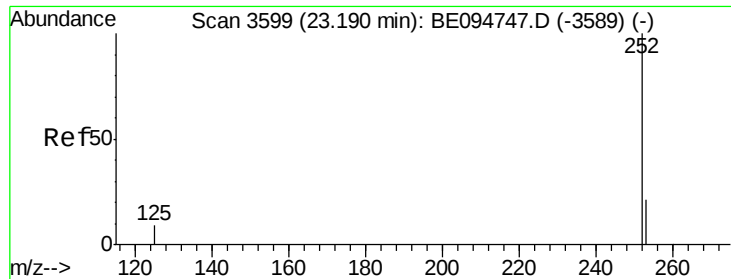
Ion Ratio Lower Upper

228 100

226 39.4 23.4 35.0#

229 40.2 17.7 26.5#

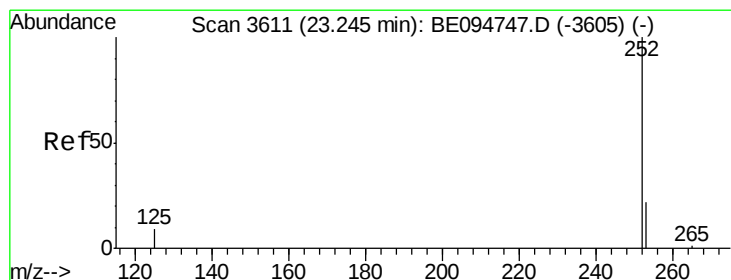
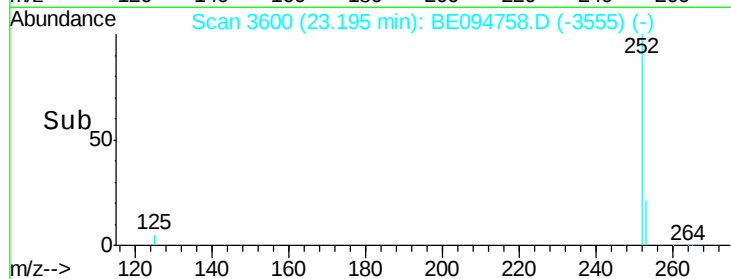
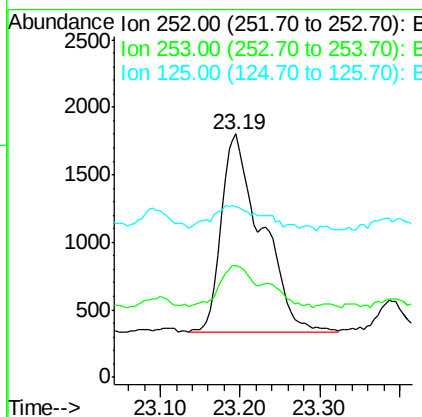
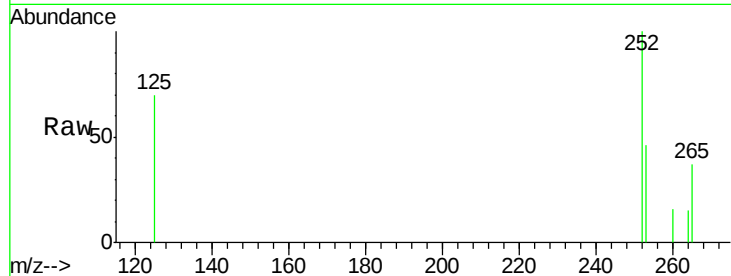




#21
Benzo(b)fluoranthene
Concen: 0.17 ng/ul
RT: 23.19 min Scan# 3600
Delta R.T. 0.00 min
Lab File: BE094758.D
Acq: 6 Nov 2017 18:03

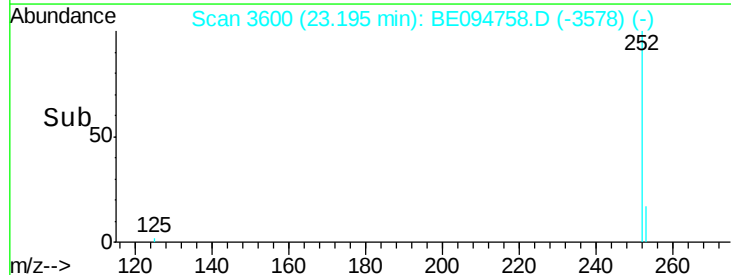
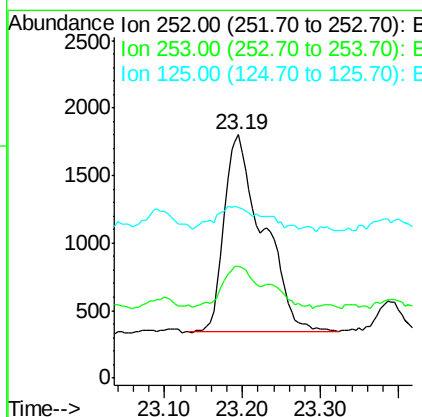
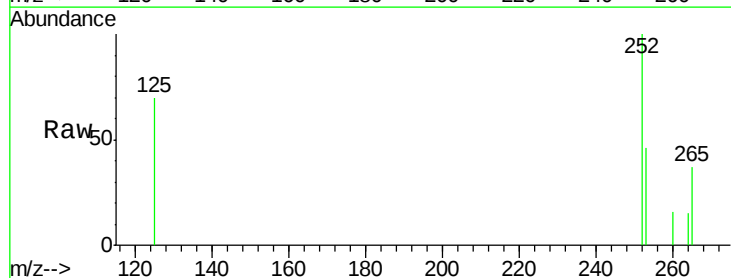
Instrument :
BNA_E
ClientSampleId :
B-79(5-6)-102617

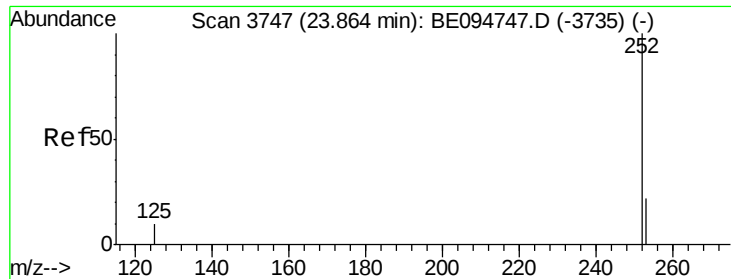
Tot Ion:252 Resp: 5110
Ion Ratio Lower Upper
252 100
253 46.1 0.0 64.2
125 70.2 0.0 35.0#



#22
Benzo(k)fluoranthene
Concen: 0.15 ng/ul
RT: 23.19 min Scan# 3600
Delta R.T. -0.05 min
Lab File: BE094758.D
Acq: 6 Nov 2017 18:03

Tgt Ion:252 Resp: 5030
Ion Ratio Lower Upper
252 100
253 46.1 24.5 36.7#
125 70.2 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. -0.01 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

Instrument :

BNA_E

ClientSampleId :

B-79(5-6)-102617

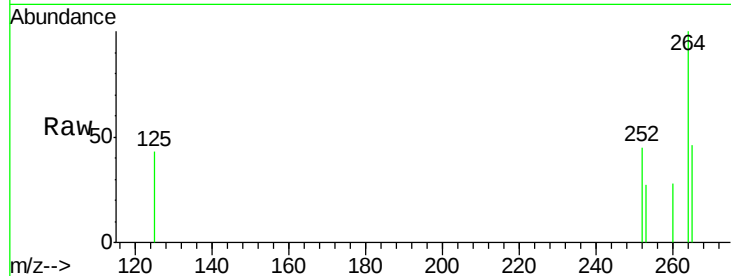
Tot Ion:252 Resp: 1902

Ion Ratio Lower Upper

252 100

253 60.7 28.5 42.7#

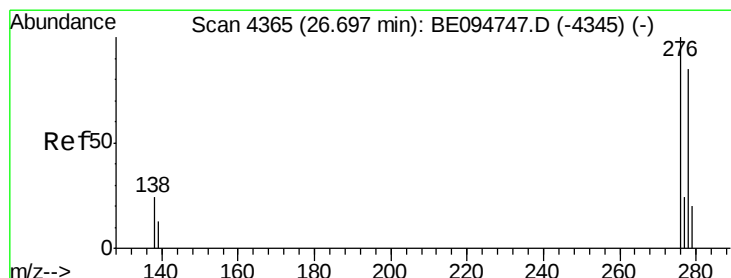
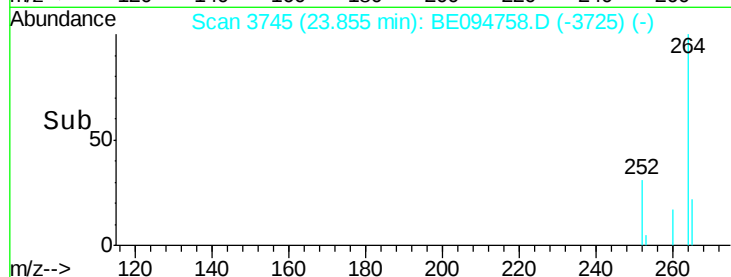
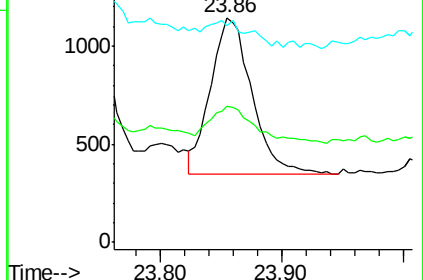
125 96.7 18.1 27.1#



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: 0.04 ng/ul

RT: 26.69 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BE094758.D

Acq: 6 Nov 2017 18:03

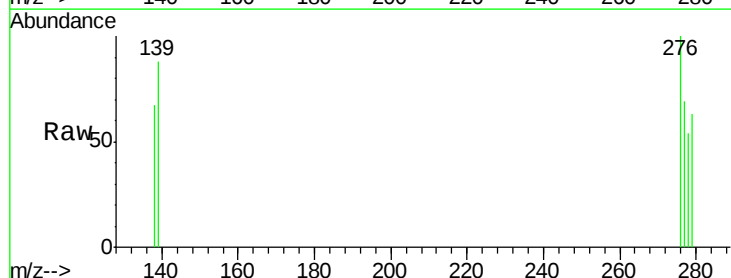
Tgt Ion:276 Resp: 1229

Ion Ratio Lower Upper

276 100

138 20.0 28.0 42.0#

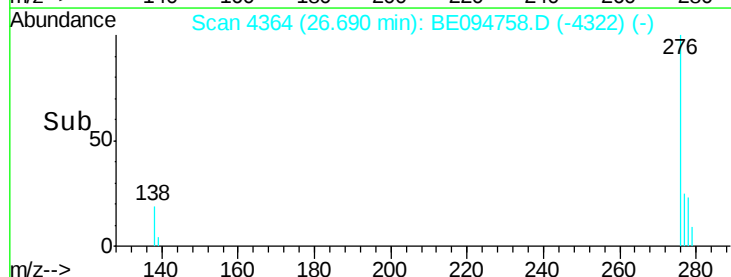
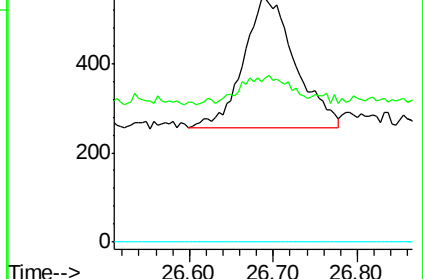
227 0.0 8.0 12.0#

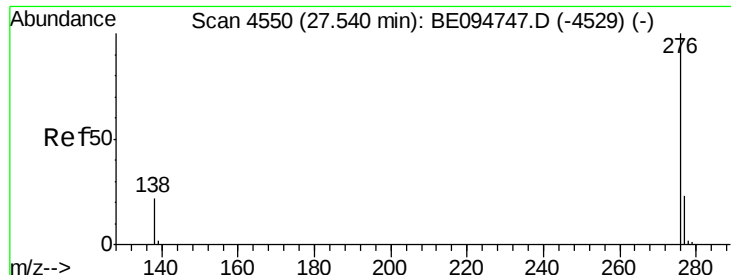


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.05 ng/ul

RT: 27.53 min Scan# 4548

Delta R.T. -0.01 min

Lab File: BE094758.D

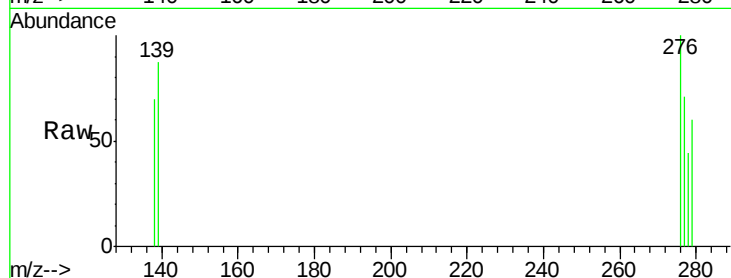
Acq: 6 Nov 2017 18:03

Instrument :

BNA_E

ClientSampleId :

B-79(5-6)-102617



Tot Ion: 276 Resp: 1170

Ion Ratio Lower Upper

276 100

138 69.6 21.8 32.8#

277 71.4 20.5 30.7#

