

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094757.D
 Acq On : 6 Nov 2017 17:27
 Operator : SJ/JU
 Sample : I6175-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-79(1-2)-102617

Quant Time: Nov 07 00:14:22 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	1340	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	7943	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4643	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9481	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	9388	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10212	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	740	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	852	0.03	ng/ul	0.00

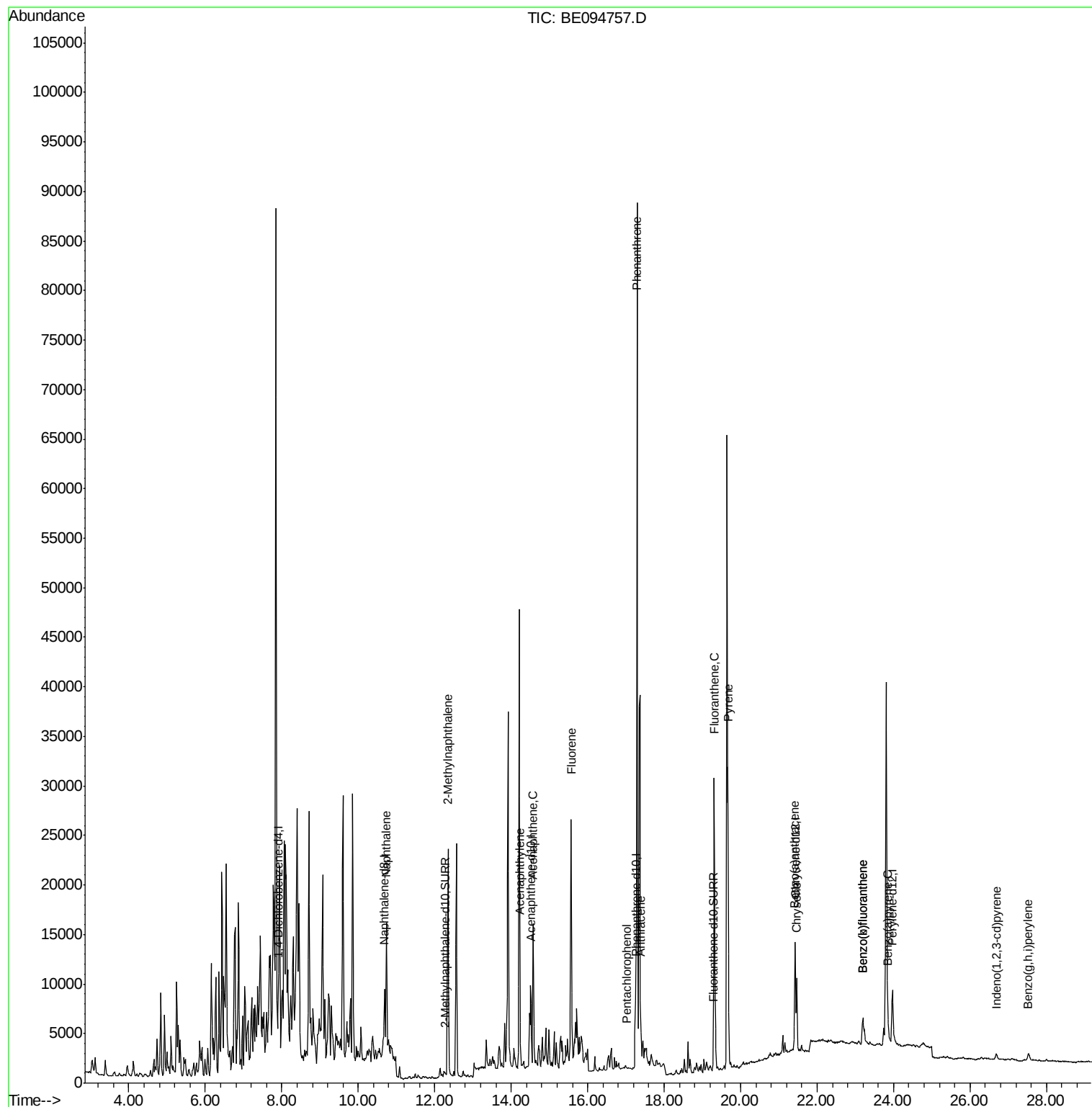
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	23961	1.23	ng/ul#	95
5) 2-Methylnaphthalene	12.34	142	20433	1.50	ng/ul	98
7) Acenaphthylene	14.23	152	986	0.05	ng/ul#	1
8) Acenaphthene	14.57	153	8910	0.59	ng/ul	95
9) Fluorene	15.57	166	16914	1.00	ng/ul	95
11) Pentachlorophenol	17.03	266	17	0.04	ng/ul#	17
12) Phenanthrene	17.29	178	98460	3.93	ng/ul#	89
13) Anthracene	17.38	178	5485	0.22	ng/ul#	92
15) Fluoranthene	19.31	202	37988	1.31	ng/ul	83
17) Pyrene	19.67	202	33975	1.17	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	5605	0.21	ng/ul#	78
19) Chrysene	21.47	228	8426	0.30	ng/ul#	81
21) Benzo(b)fluoranthene	23.20	252	6951	0.24	ng/ul#	45
22) Benzo(k)fluoranthene	23.20	252	6922	0.22	ng/ul#	42
23) Benzo(a)pyrene	23.86	252	1804	0.06	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.69	276	1392	0.05	ng/ul#	70
26) Benzo(a,h,i)perylene	27.52	276	1839	0.08	ng/ul#	29

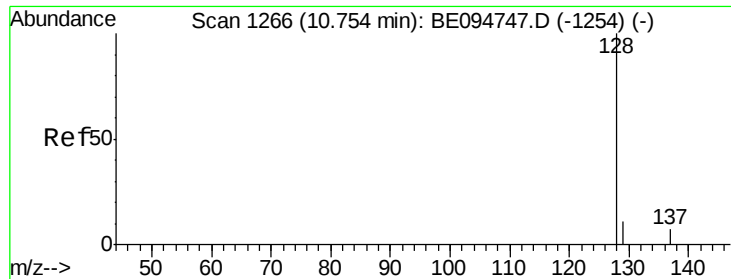
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.23 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

Instrument :

BNA_E

ClientSampleId :

B-79(1-2)-102617

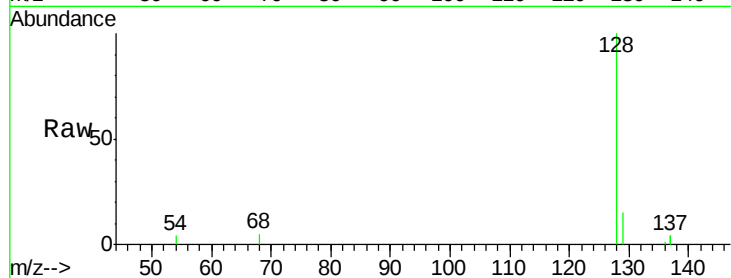
Tot Ion:128 Resp: 23961

Ion Ratio Lower Upper

128 100

129 14.6 11.3 16.9

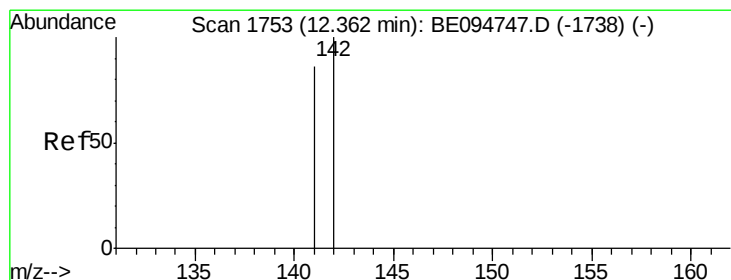
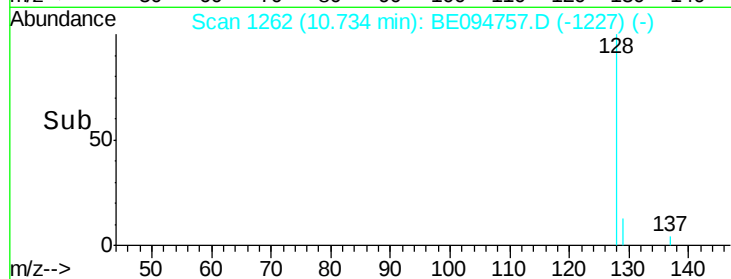
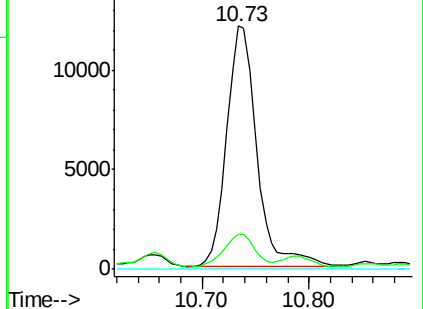
127 0.0 4.0 6.0#



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: 1.50 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094757.D

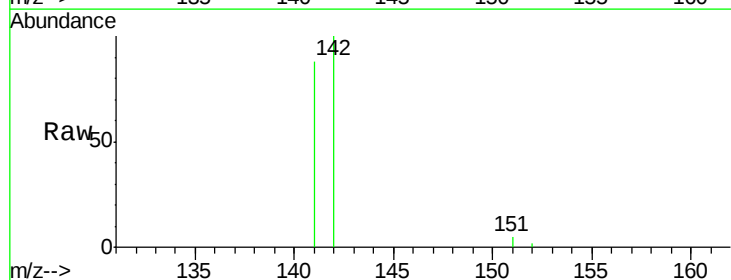
Acq: 6 Nov 2017 17:27

Tgt Ion:142 Resp: 20433

Ion Ratio Lower Upper

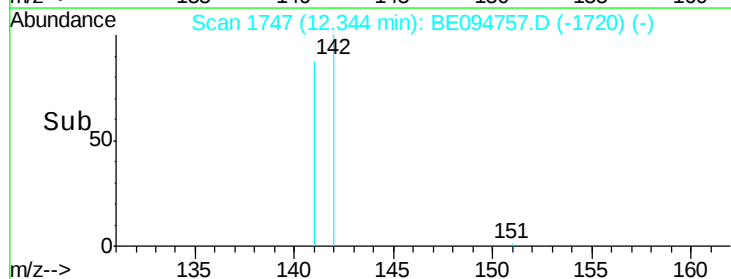
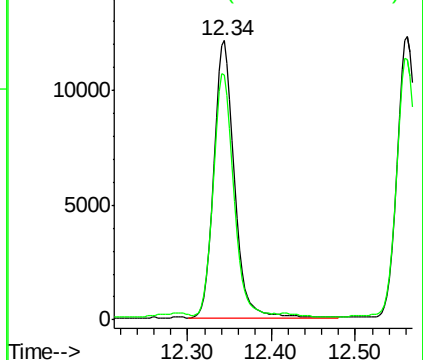
142 100

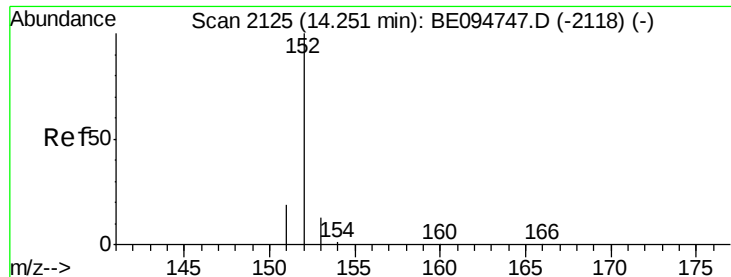
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.23 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

Instrument :

BNA_E

ClientSampleId :

B-79(1-2)-102617

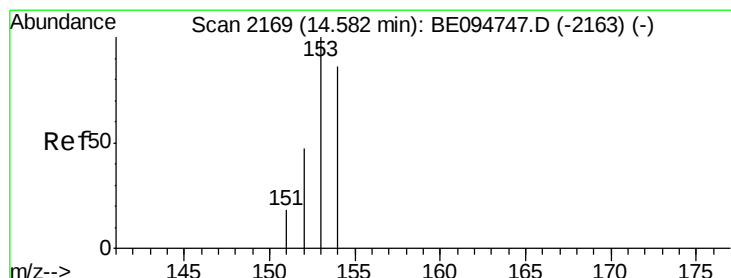
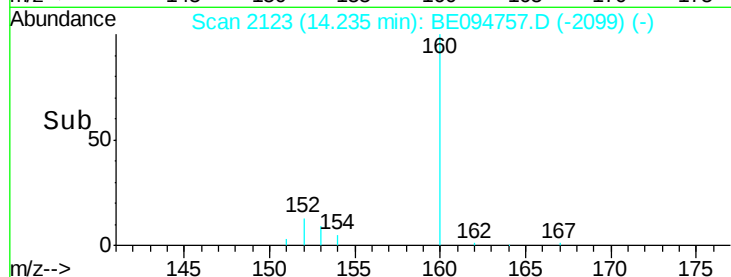
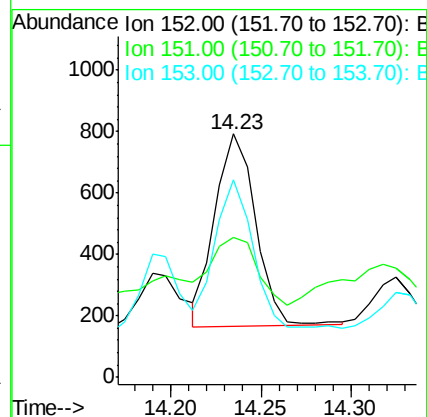
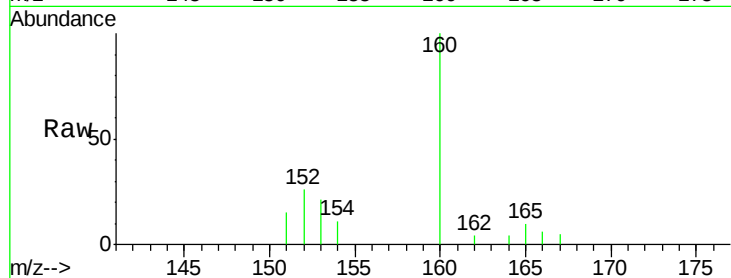
Tot Ion:152 Resp: 986

Ion Ratio Lower Upper

152 100

151 57.3 17.1 25.7#

153 81.0 12.8 19.2#



#8

Acenaphthene

Concen: 0.59 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

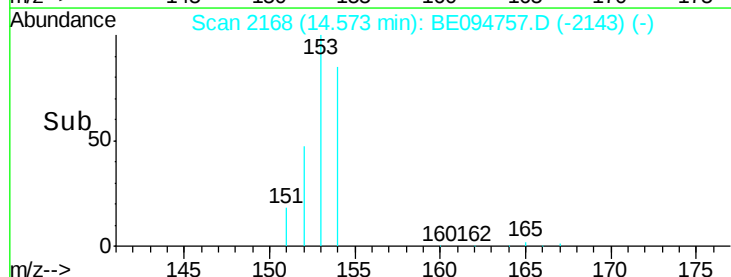
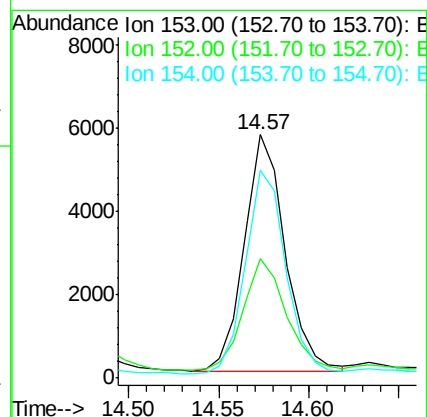
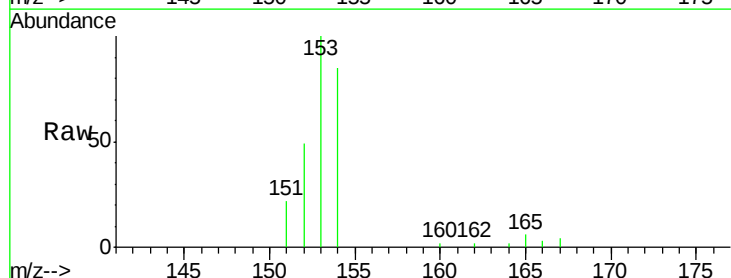
Tgt Ion:153 Resp: 8910

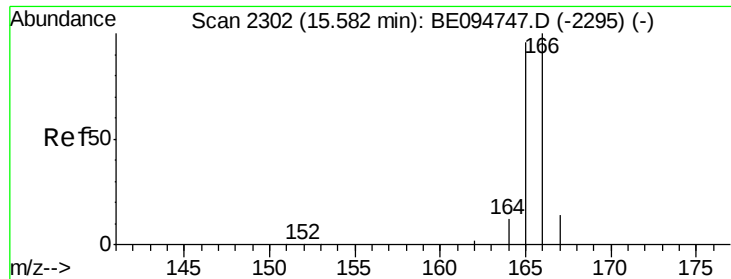
Ion Ratio Lower Upper

153 100

152 48.8 36.0 54.0

154 85.5 72.0 108.0





#9

Fluorene

Concen: 1.00 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

Instrument :

BNA_E

ClientSampleId :

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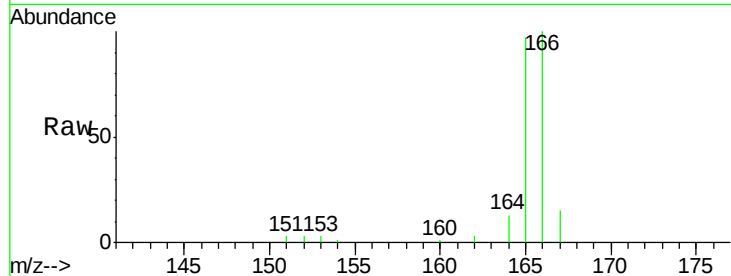
Tot Ion:166 Resp: 16914

Ion Ratio Lower Upper

166 100

165 96.7 73.4 110.2

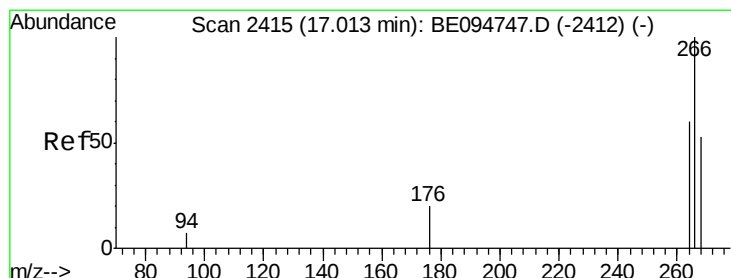
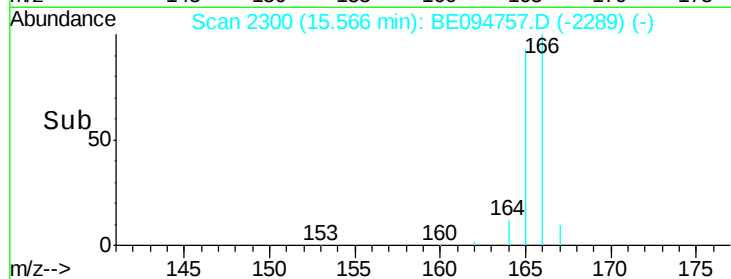
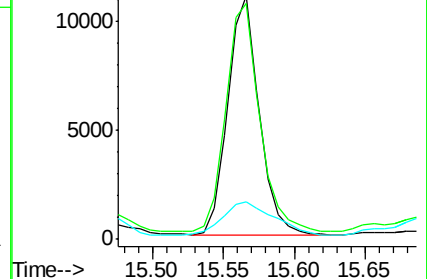
167 15.3 14.6 22.0



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: 0.04 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. 0.02 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

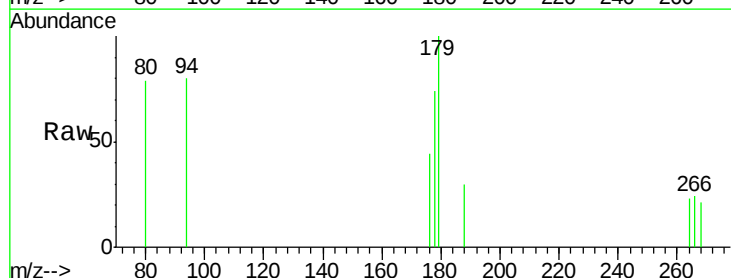
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

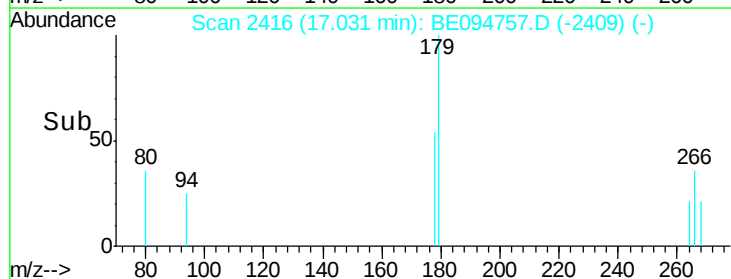
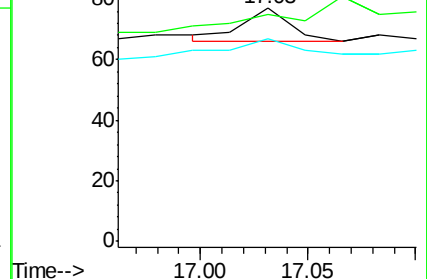
268 129.4 49.8 74.8#

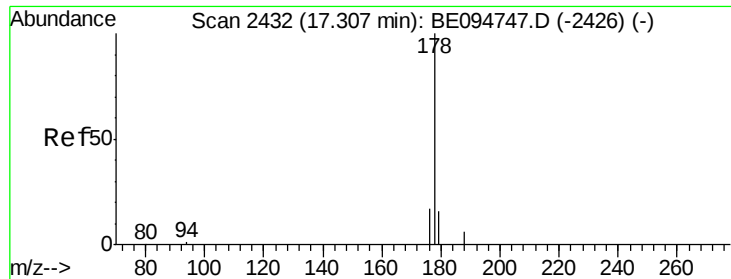


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.93 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

Instrument :

BNA_E

ClientSampleId :

B-79(1-2)-102617

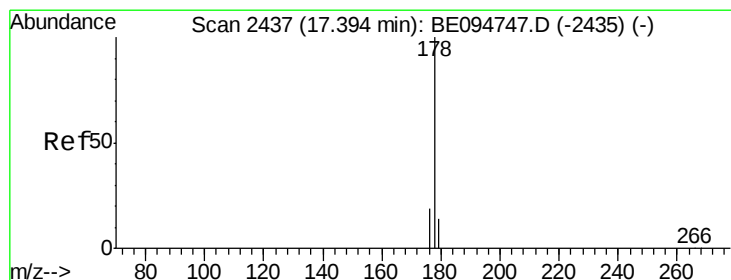
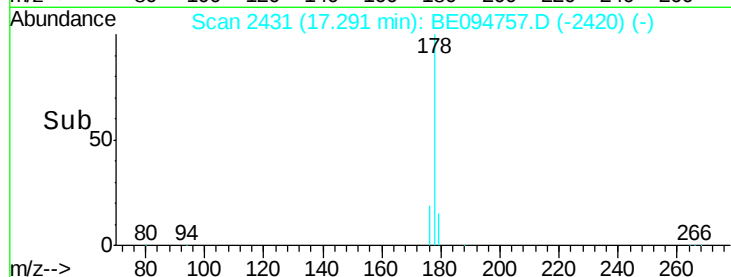
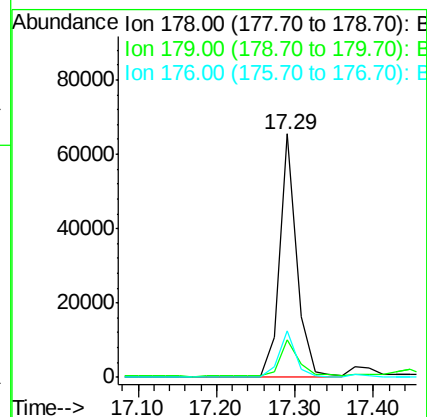
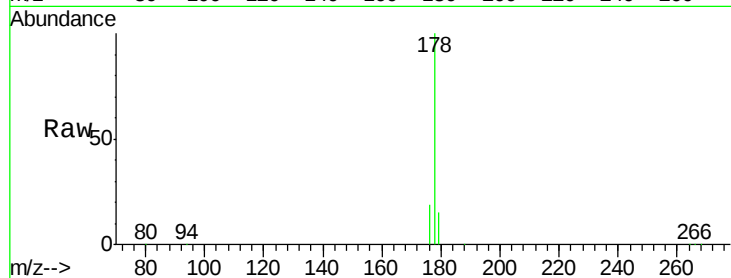
Tot Ion:178 Resp: 98460

Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

176 19.0 13.6 20.4



#13

Anthracene

Concen: 0.22 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

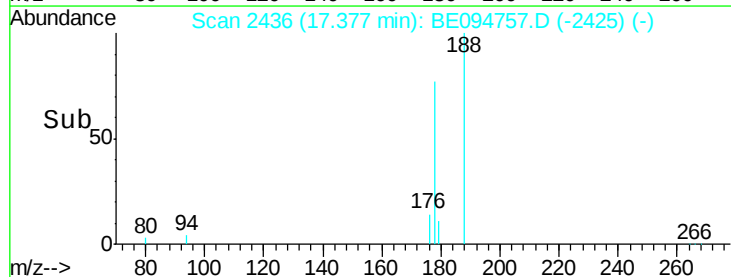
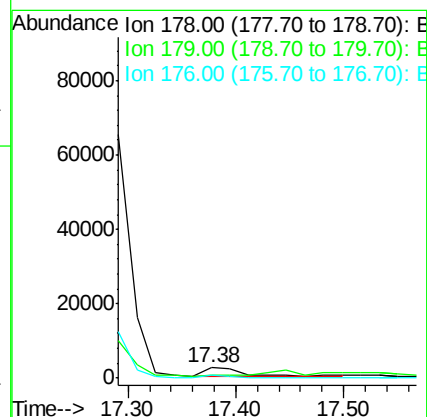
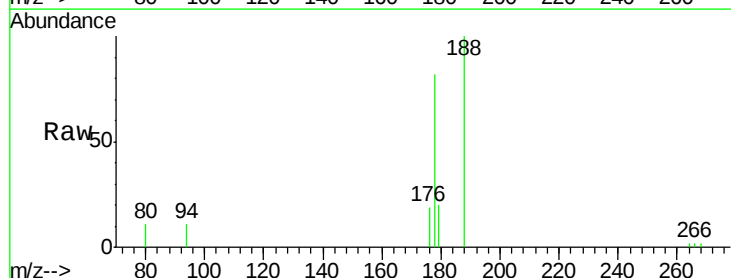
Tgt Ion:178 Resp: 5485

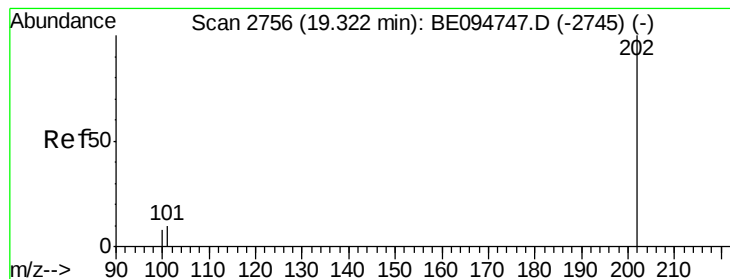
Ion Ratio Lower Upper

178 100

179 25.0 18.1 27.1

176 23.2 14.7 22.1#





#15

Fluoranthene

Concen: 1.31 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

Instrument :

BNA_E

ClientSampleId :

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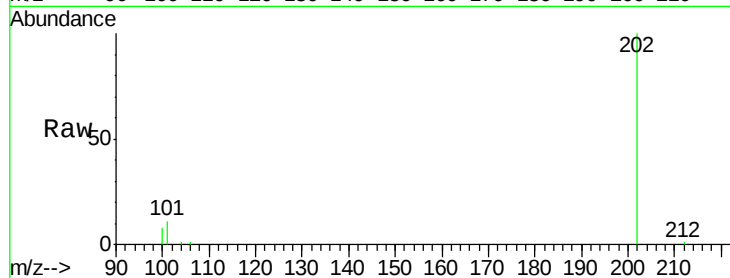
Tot Ion:202 Resp: 37988

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

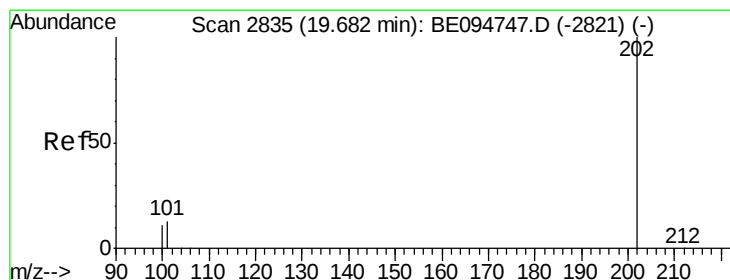
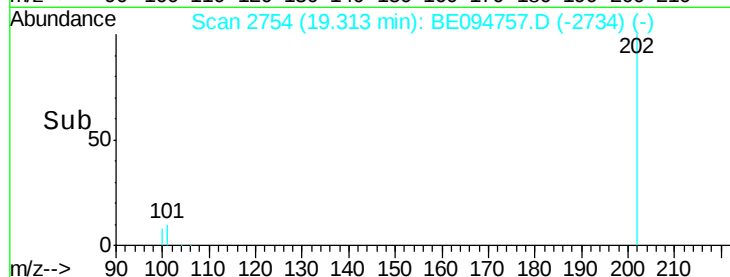
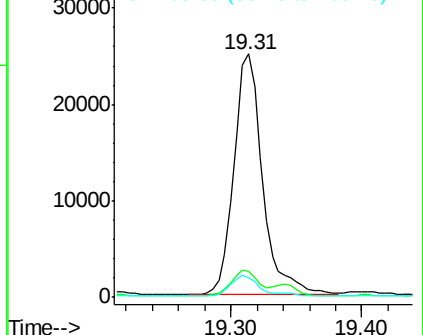
100 8.3 0.0 39.5



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: 1.17 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

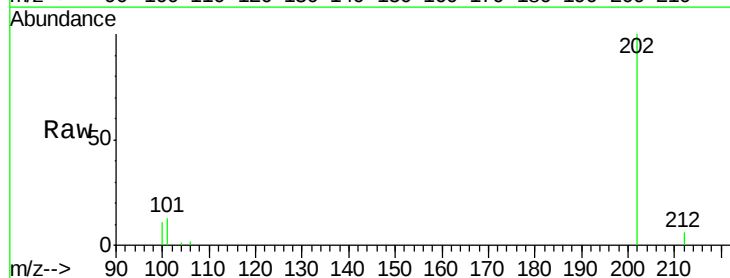
Tgt Ion:202 Resp: 33975

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

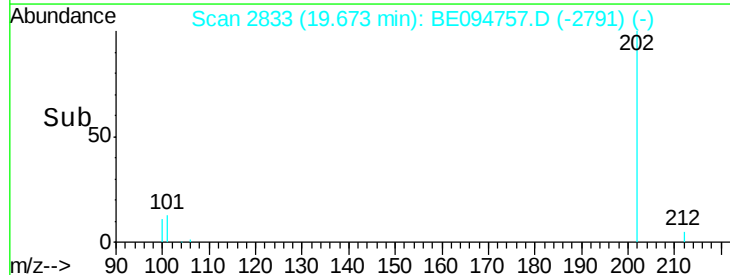
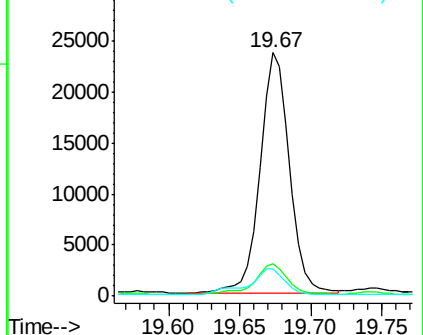
100 11.4 15.6 23.4#

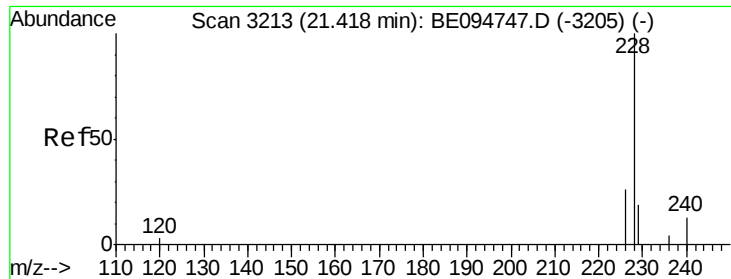


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.21 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

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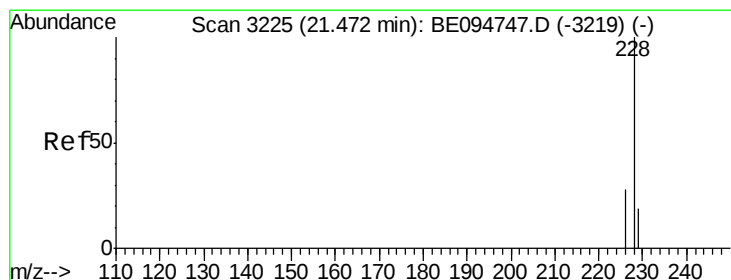
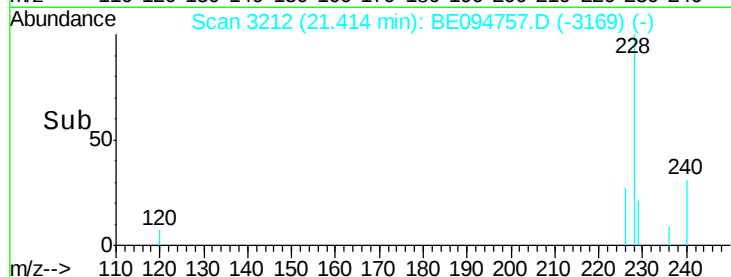
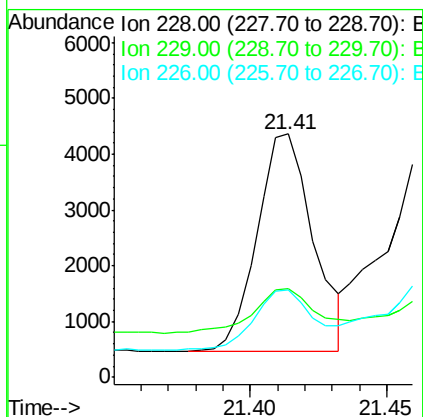
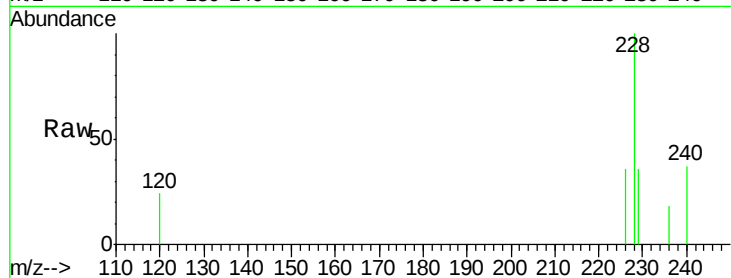
Tot Ion:228 Resp: 5605

Ion Ratio Lower Upper

228 100

229 36.4 22.8 34.2#

226 35.8 17.0 25.6#



#19

Chrysene

Concen: 0.30 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

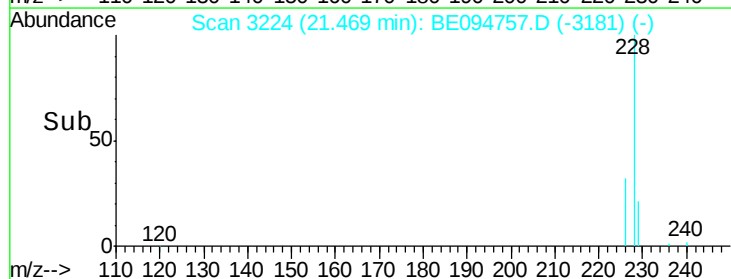
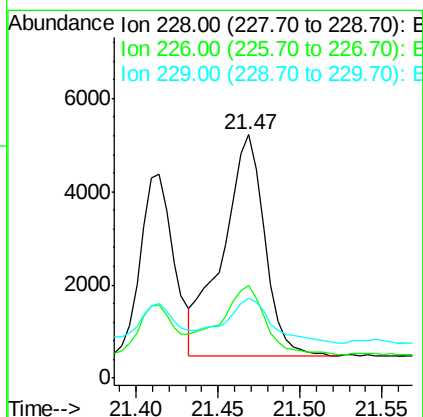
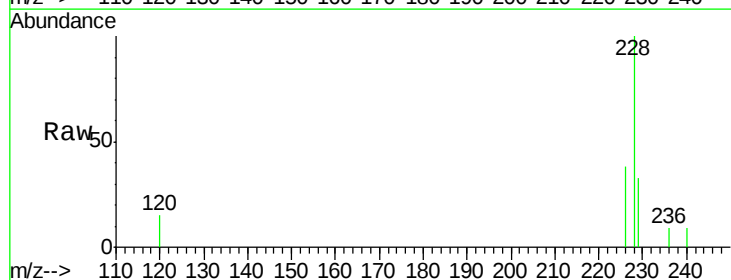
Tgt Ion:228 Resp: 8426

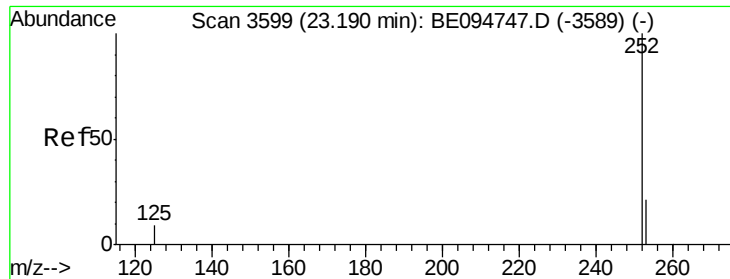
Ion Ratio Lower Upper

228 100

226 38.2 23.4 35.0#

229 33.0 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.24 ng/ul

RT: 23.20 min Scan# 3600

Delta R.T. 0.01 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

Instrument :

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B-79(1-2)-102617

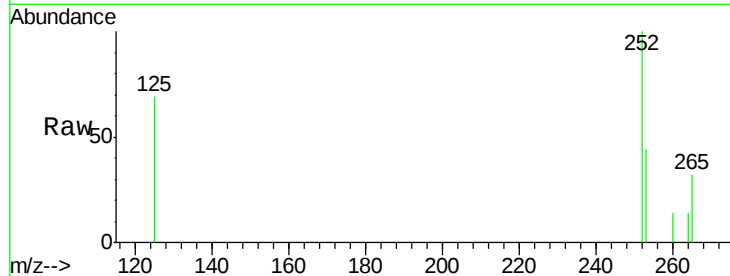
Tot Ion:252 Resp: 6951

Ion Ratio Lower Upper

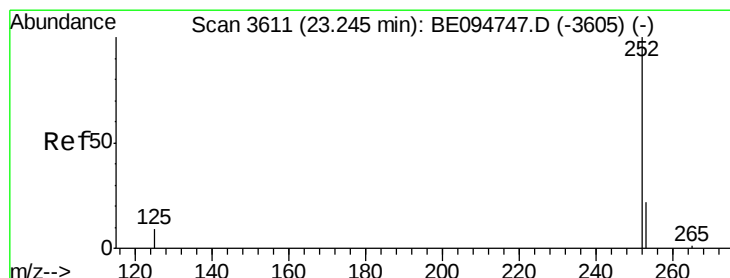
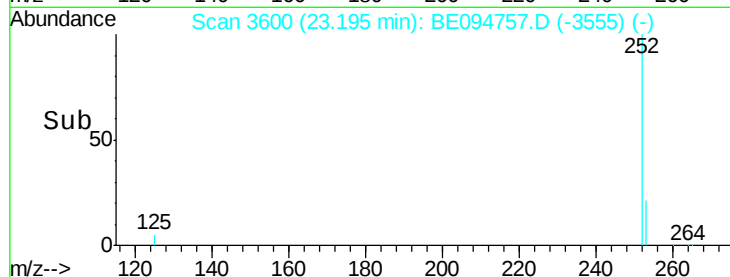
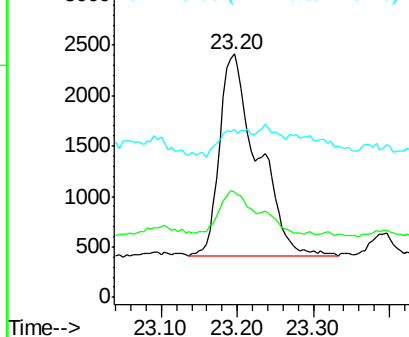
252 100

253 43.5 0.0 64.2

125 69.0 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/ul

RT: 23.20 min Scan# 3600

Delta R.T. -0.05 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

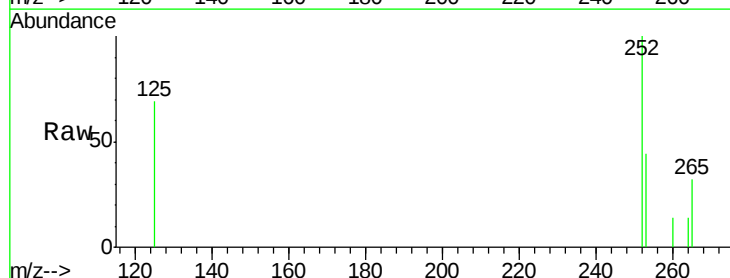
Tgt Ion:252 Resp: 6922

Ion Ratio Lower Upper

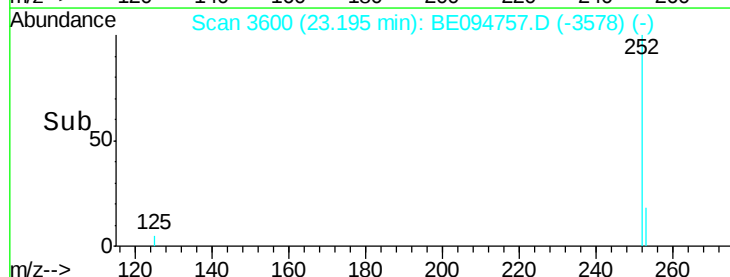
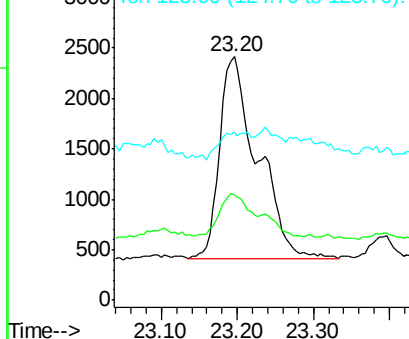
252 100

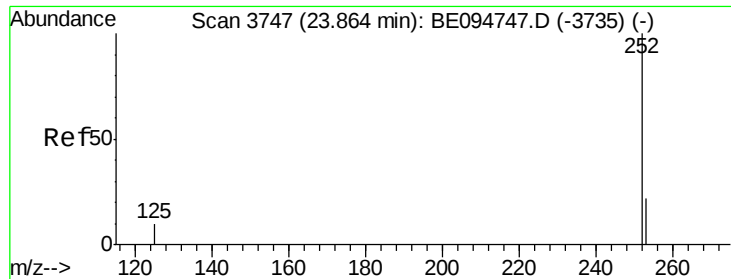
253 43.5 24.5 36.7#

125 69.0 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: 0.06 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. -0.01 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

Instrument :

BNA_E

ClientSampleId :

B-79(1-2)-102617

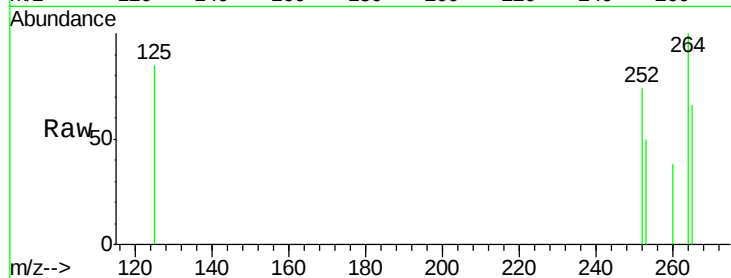
Tot Ion:252 Resp: 1804

Ion Ratio Lower Upper

252 100

253 67.4 28.5 42.7#

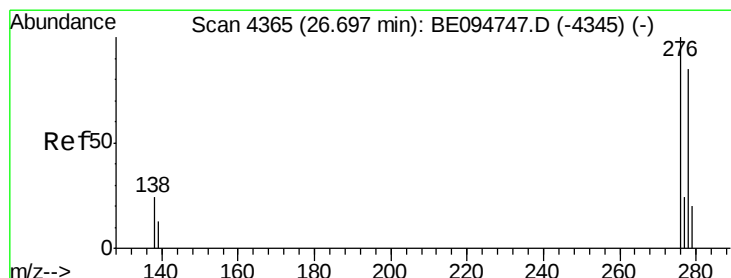
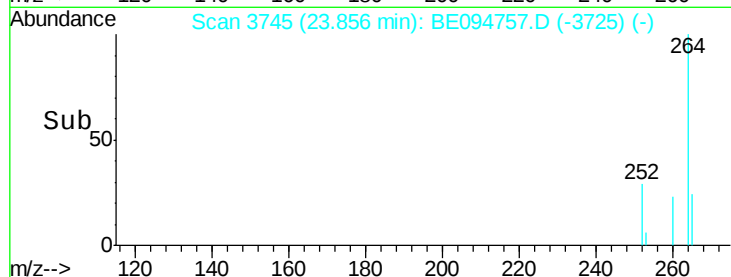
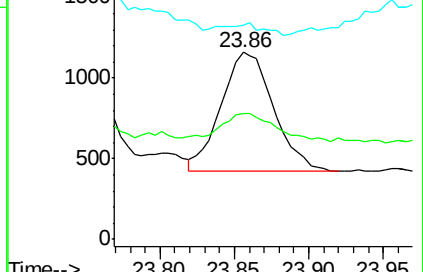
125 114.4 18.1 27.1#



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: 0.05 ng/ul

RT: 26.69 min Scan# 4363

Delta R.T. -0.01 min

Lab File: BE094757.D

Acq: 6 Nov 2017 17:27

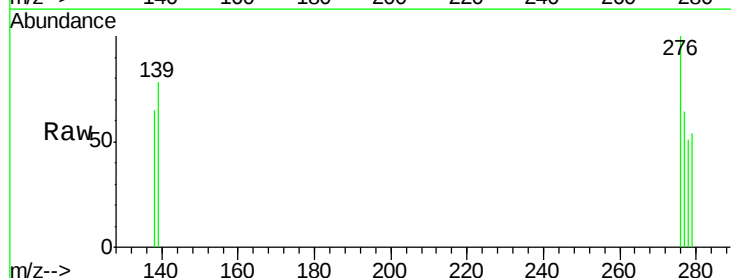
Tgt Ion:276 Resp: 1392

Ion Ratio Lower Upper

276 100

138 17.0 28.0 42.0#

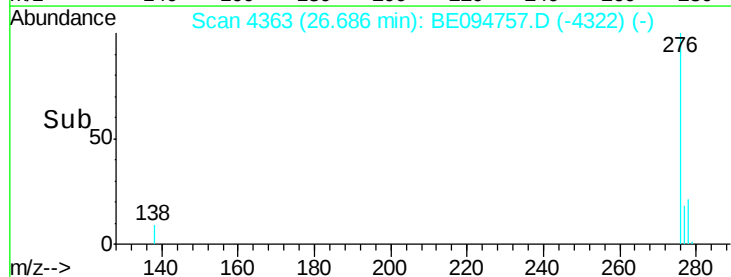
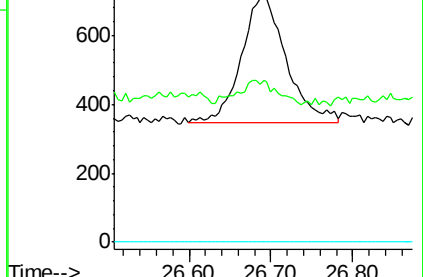
227 0.0 8.0 12.0#

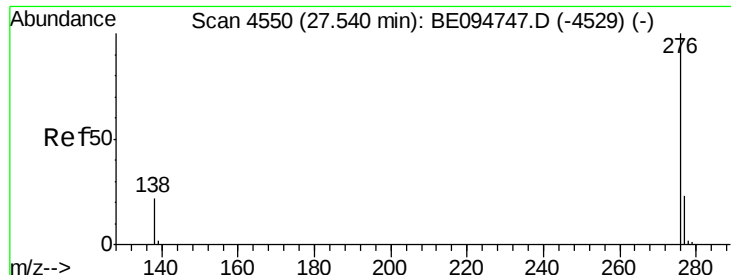


Abundance Ion 276.00 (275.70 to 276.70): E

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: 0.08 ng/ul

RT: 27.52 min Scan# 4547

Delta R.T. -0.02 min

Lab File: BE094757.D

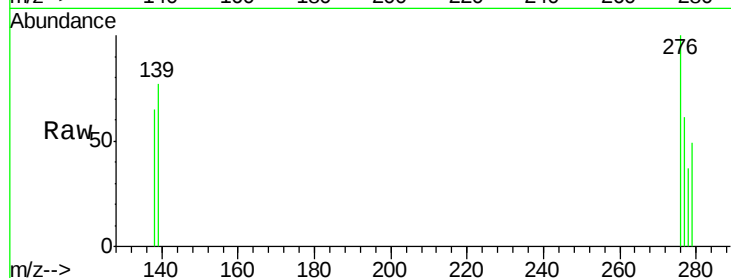
Acq: 6 Nov 2017 17:27

Instrument :

BNA_E

ClientSampleId :

B-79(1-2)-102617



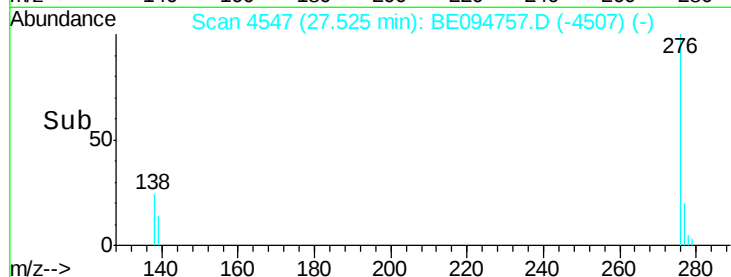
Tot Ion: 276 Resp: 1839

Ion Ratio Lower Upper

276 100

138 64.9 21.8 32.8#

277 60.8 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

