

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094750.D
 Acq On : 6 Nov 2017 13:19
 Operator : SJ/JU
 Sample : I5955-03RE 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-17(0.25-1.25)-101717

Quant Time: Nov 07 00:13:01 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	7.91	152	1261	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7309	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4908	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8571	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	8799	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	8811	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	973	0.08	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2650	0.10	ng/ul	0.00

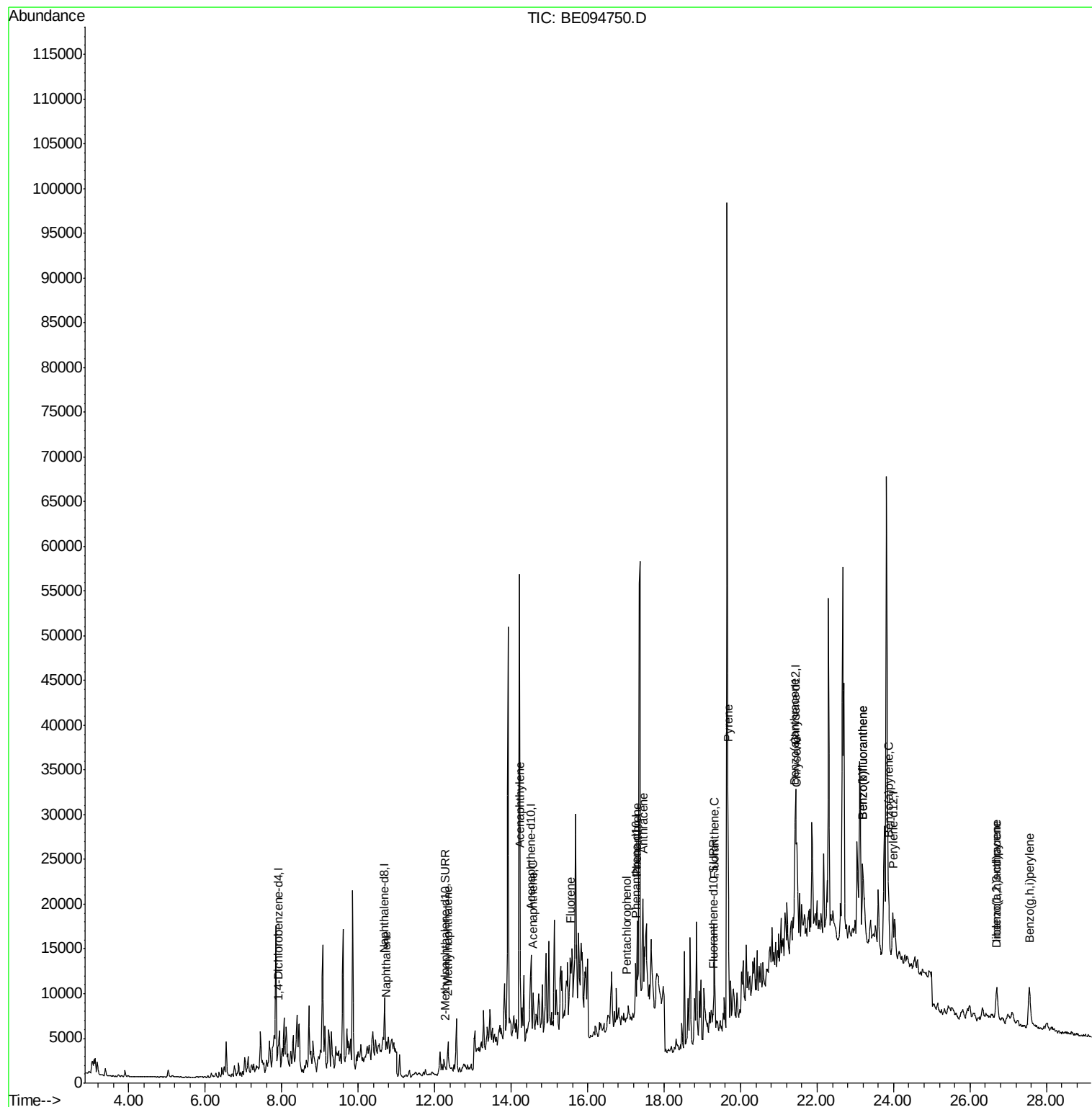
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	2024	0.11	ng/ul#	48
5) 2-Methylnaphthalene	12.35	142	2237	0.18	ng/ul	100
7) Acenaphthylene	14.24	152	4099	0.18	ng/ul#	1
8) Acenaphthene	14.57	153	2334	0.15	ng/ul#	71
9) Fluorene	15.57	166	3572	0.20	ng/ul#	55
11) Pentachlorophenol	17.03	266	84	0.20	ng/ul#	21
12) Phenanthrene	17.29	178	16035	0.71	ng/ul#	77
13) Anthracene	17.45	178	12249	0.55	ng/ul#	1
15) Fluoranthene	19.31	202	14559	0.56	ng/ul	81
17) Pyrene	19.68	202	28922	1.06	ng/ul#	85
18) Benzo(a)anthracene	21.41	228	9762	0.39	ng/ul#	14
19) Chrysene	21.47	228	10461	0.40	ng/ul#	39
21) Benzo(b)fluoranthene	23.20	252	21186	0.85	ng/ul#	30
22) Benzo(k)fluoranthene	23.20	252	21186	0.80	ng/ul#	26
23) Benzo(a)pyrene	23.87	252	11274	0.46	ng/ul#	23
24) Indeno(1,2,3-cd)pyrene	26.70	276	7844	0.31	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.68	278	2226	0.10	ng/ul#	1
26) Benzo(g,h,i)perylene	27.55	276	13048	0.63	ng/ul#	63

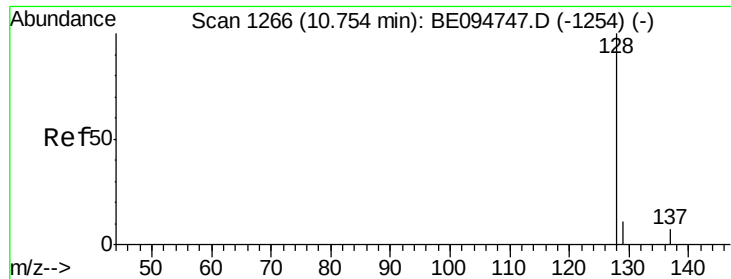
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

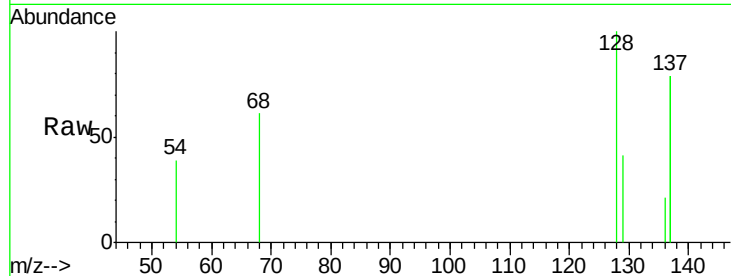
Tot Ion:128 Resp: 2024

Ion Ratio Lower Upper

128 100

129 40.9 11.3 16.9#

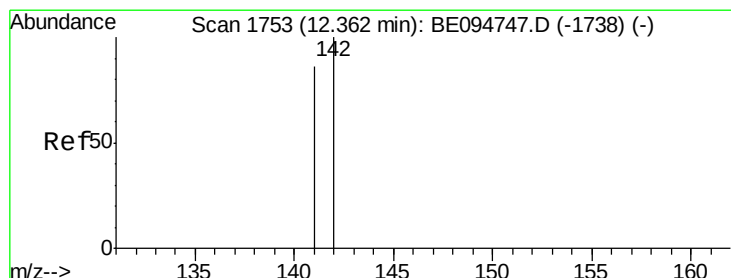
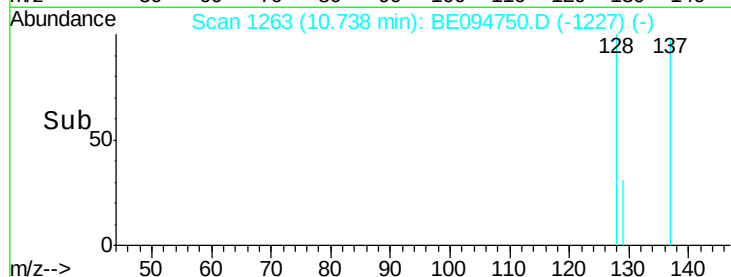
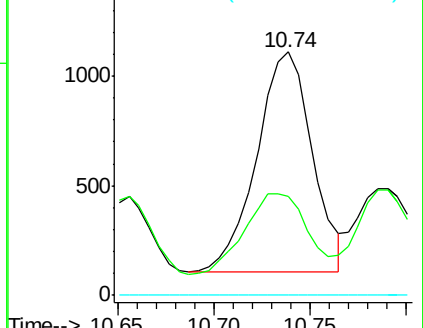
127 0.0 4.0 6.0#



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: 0.18 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094750.D

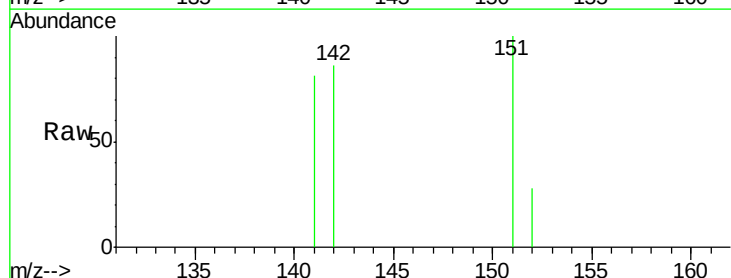
Acq: 6 Nov 2017 13:19

Tgt Ion:142 Resp: 2237

Ion Ratio Lower Upper

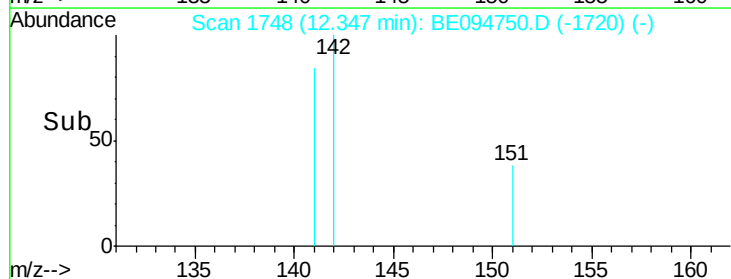
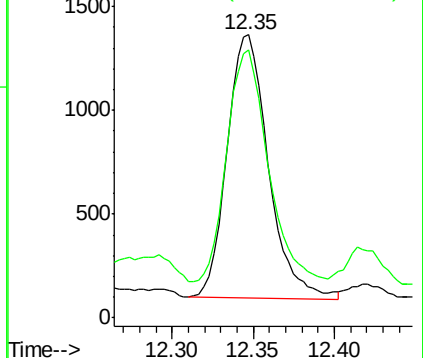
142 100

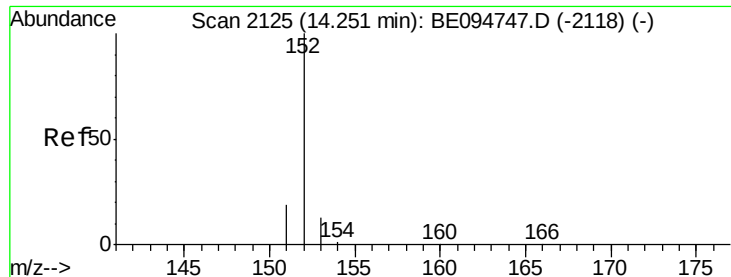
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

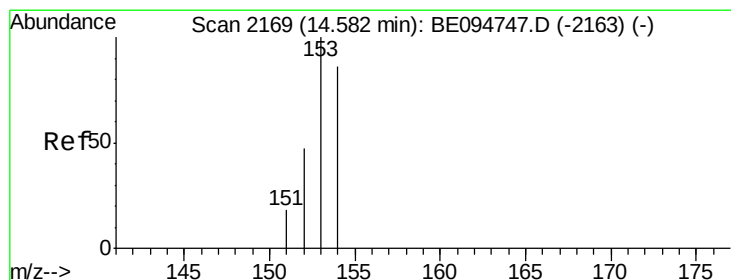
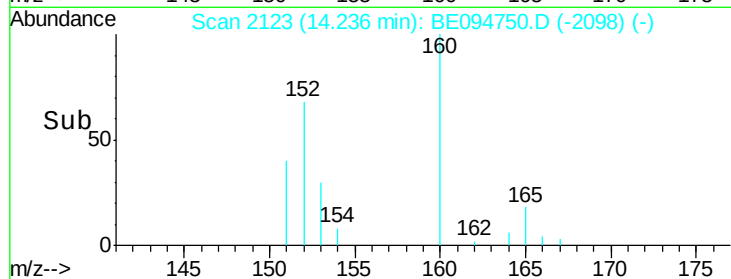
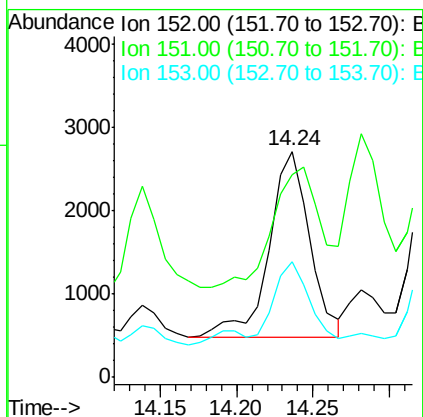
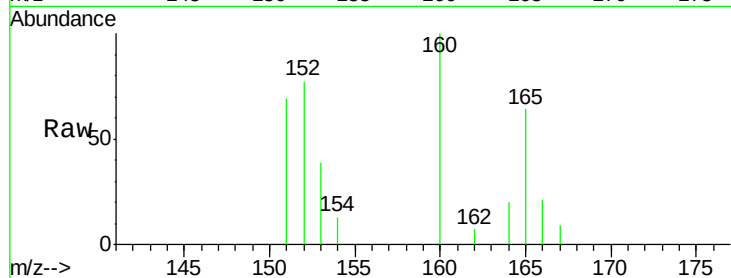
Tot Ion:152 Resp: 4099

Ion Ratio Lower Upper

152 100

151 89.7 17.1 25.7#

153 51.3 12.8 19.2#



#8

Acenaphthene

Concen: 0.15 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

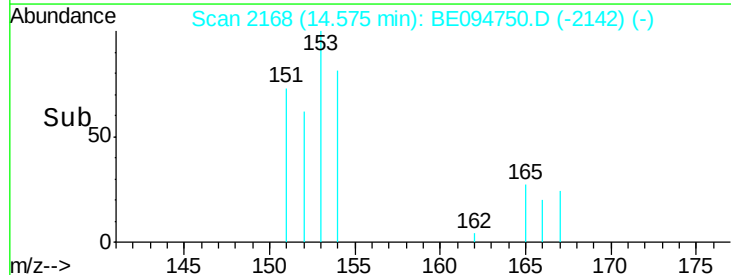
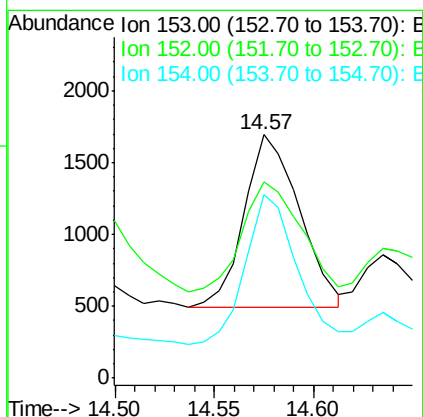
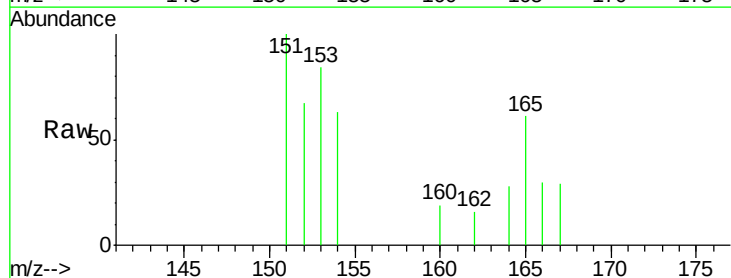
Tgt Ion:153 Resp: 2334

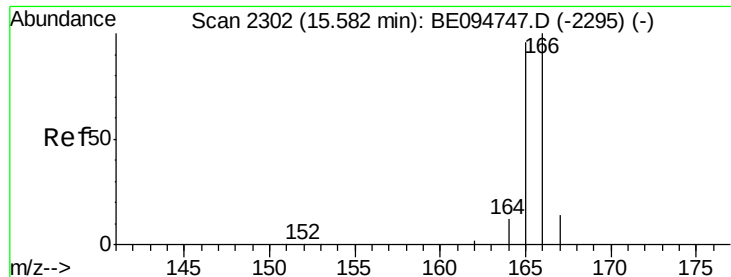
Ion Ratio Lower Upper

153 100

152 80.6 36.0 54.0#

154 75.2 72.0 108.0

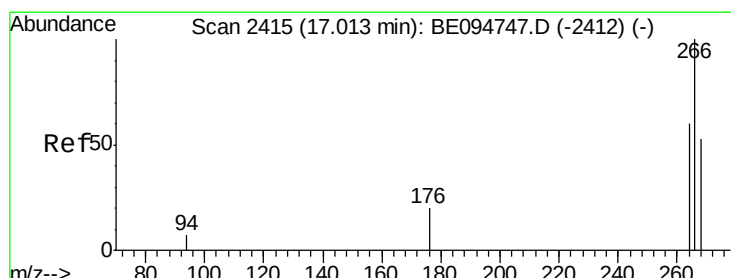
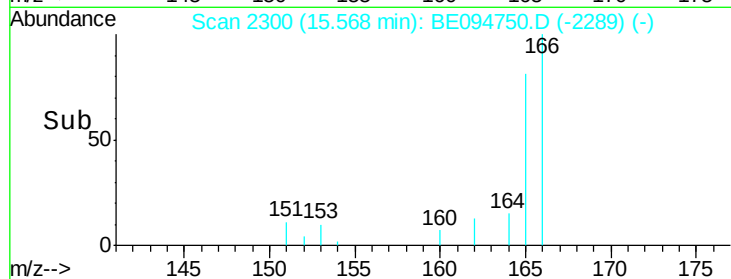
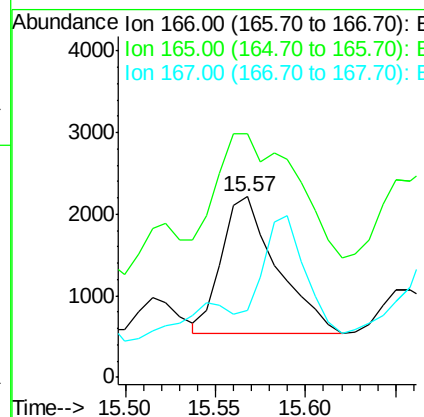
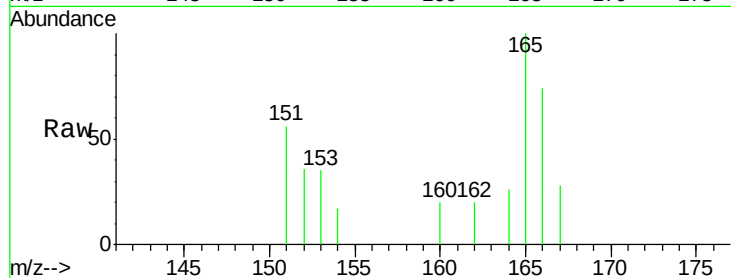




#9
Fluorene
 Concen: 0.20 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094750.D
 Acq: 6 Nov 2017 13:19

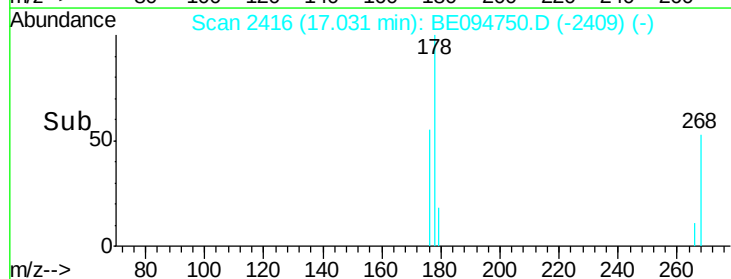
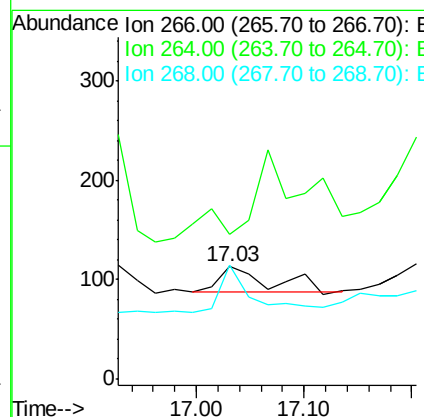
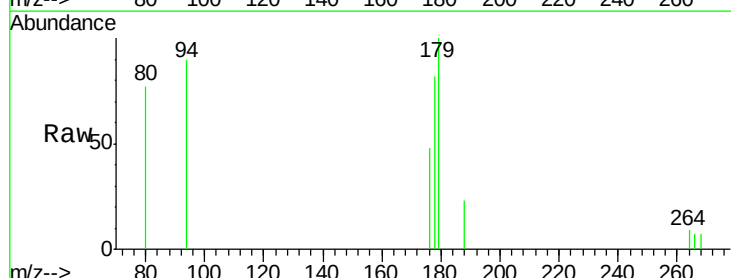
Instrument :
 BNA_E
 ClientSampleId :
 B-17(0.25-1.25)-101717

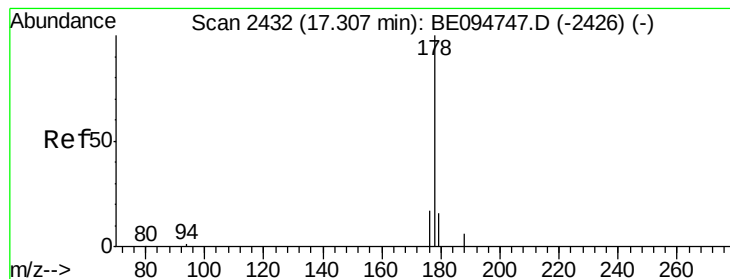
Tot Ion:166 Resp: 3572
 Ion Ratio Lower Upper
 166 100
 165 134.8 73.4 110.2#
 167 37.3 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.20 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. 0.02 min
 Lab File: BE094750.D
 Acq: 6 Nov 2017 13:19

Tgt Ion:266 Resp: 84
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 122.6 49.8 74.8#





#12

Phenanthrene

Concen: 0.71 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

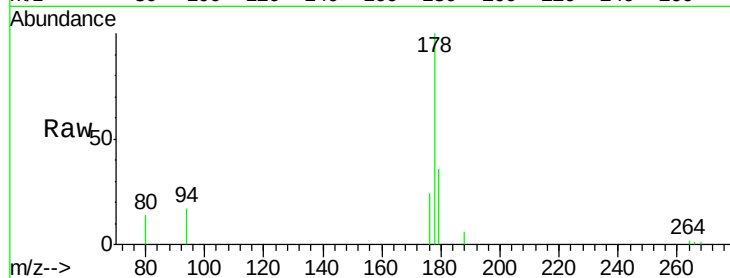
Tot Ion:178 Resp: 16035

Ion Ratio Lower Upper

178 100

179 36.2 18.4 27.6#

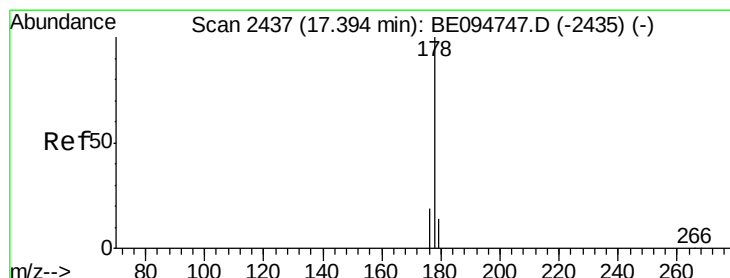
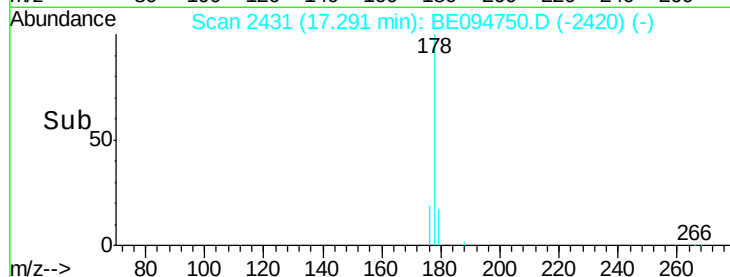
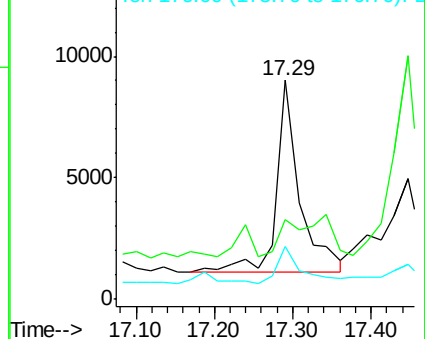
176 24.1 13.6 20.4#



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: 0.55 ng/ul

RT: 17.45 min Scan# 2440

Delta R.T. 0.05 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

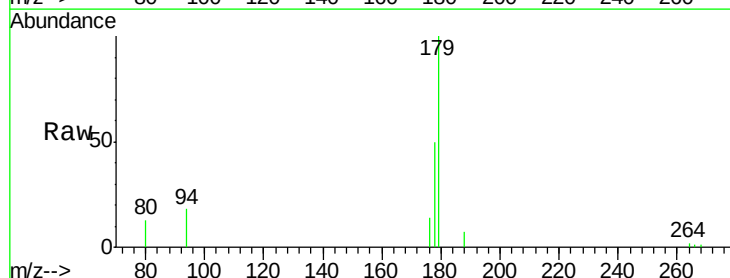
Tgt Ion:178 Resp: 12249

Ion Ratio Lower Upper

178 100

179 201.3 18.1 27.1#

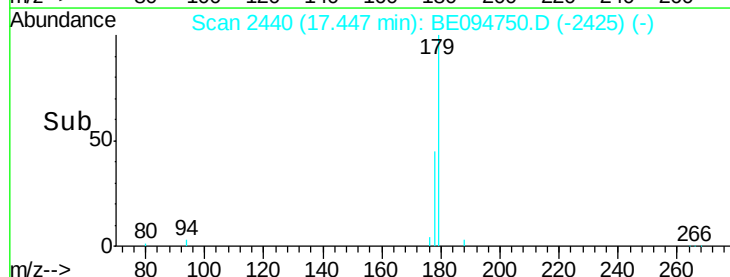
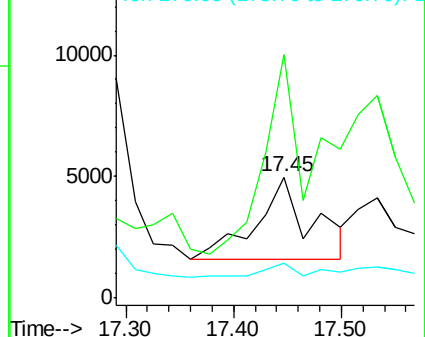
176 28.5 14.7 22.1#

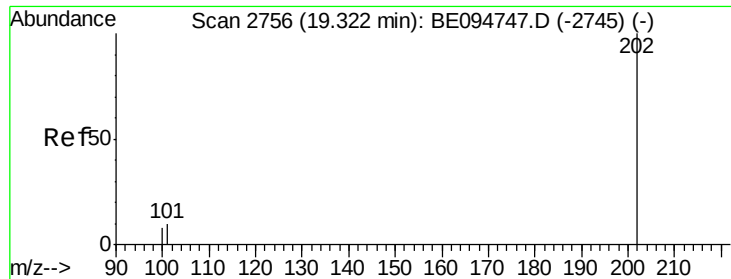


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.56 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

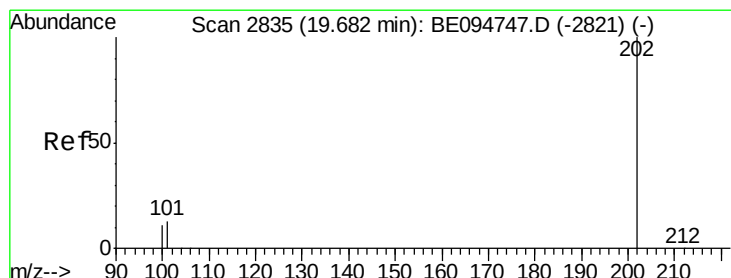
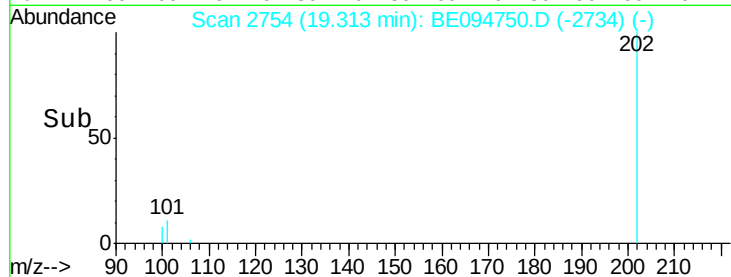
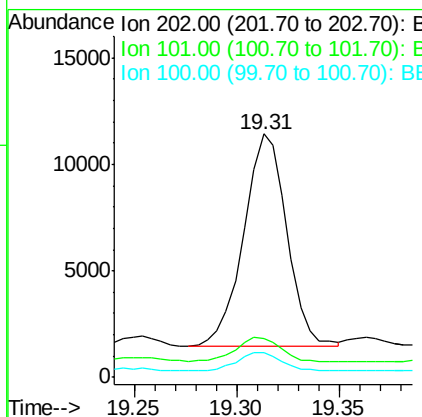
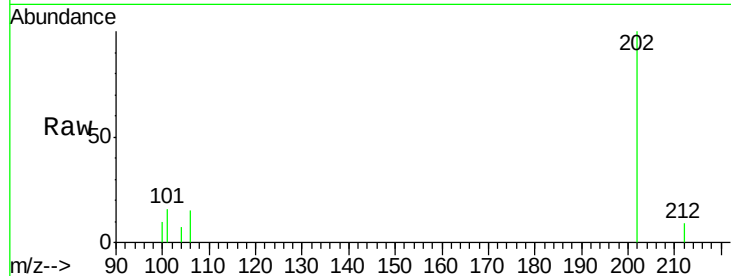
Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

Tot Ion:	202	Resp:	14559
Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	30.3
100	10.2	0.0	39.5



#17

Pyrene

Concen: 1.06 ng/ul

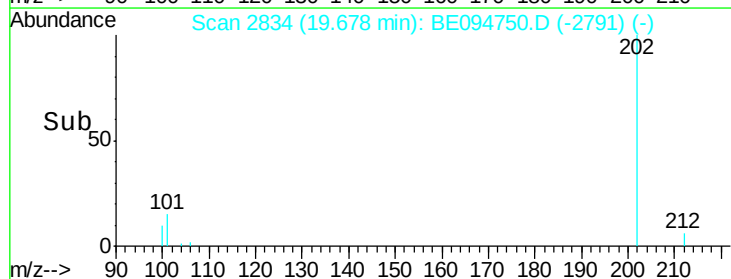
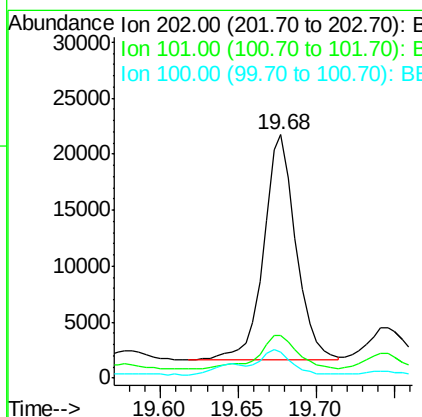
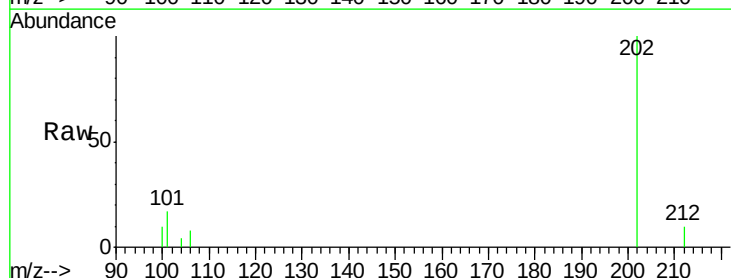
RT: 19.68 min Scan# 2834

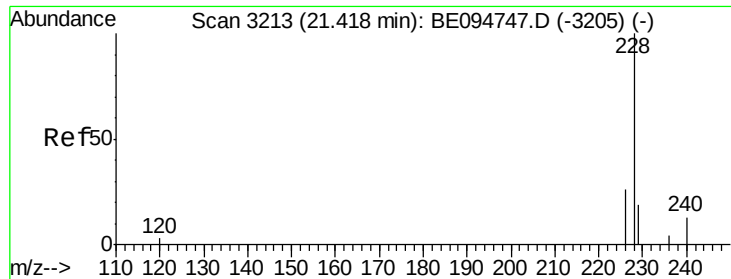
Delta R.T. -0.00 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

Tgt Ion:	202	Resp:	28922
Ion	Ratio	Lower	Upper
202	100		
101	17.3	18.2	27.4#
100	10.4	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

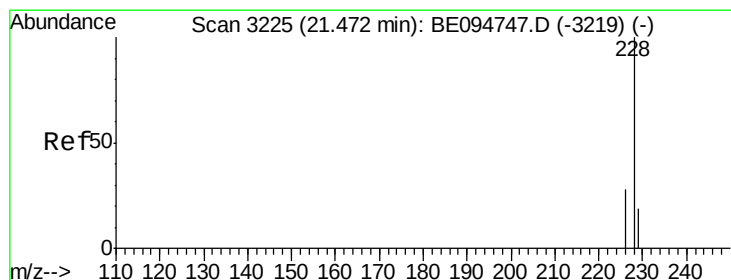
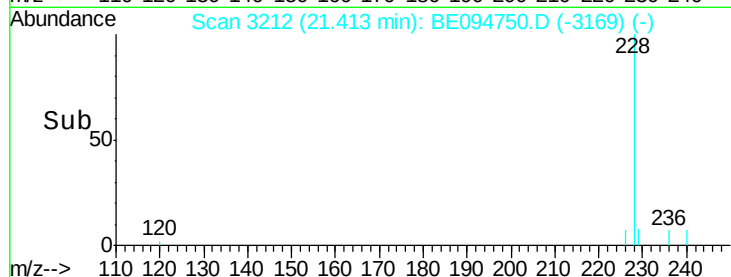
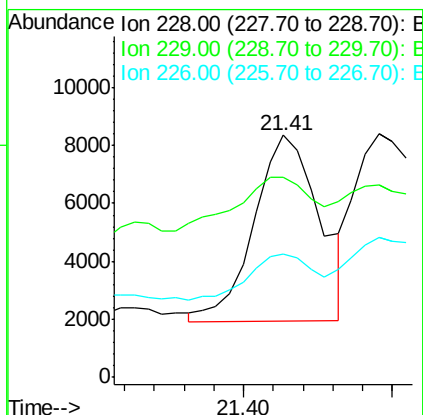
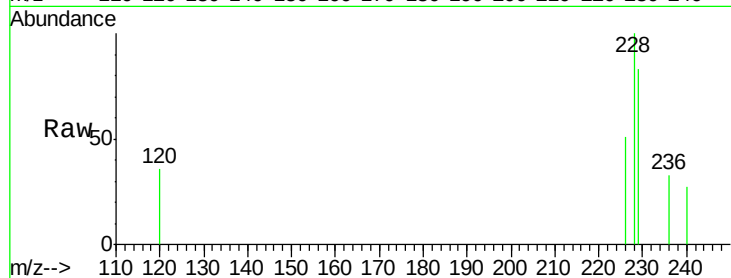
Tot Ion:228 Resp: 9762

Ion Ratio Lower Upper

228 100

229 83.0 22.8 34.2#

226 51.0 17.0 25.6#



#19

Chrysene

Concen: 0.40 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

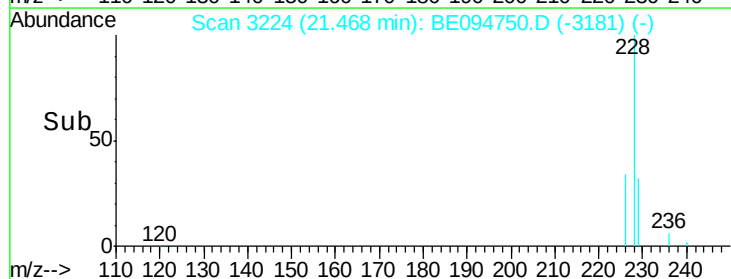
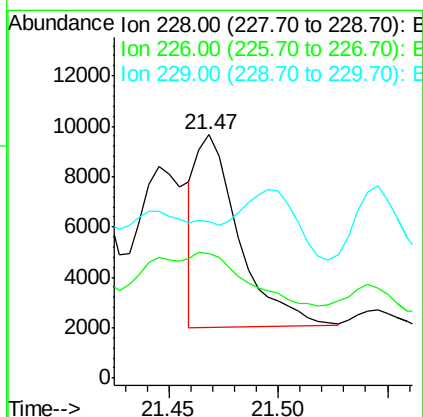
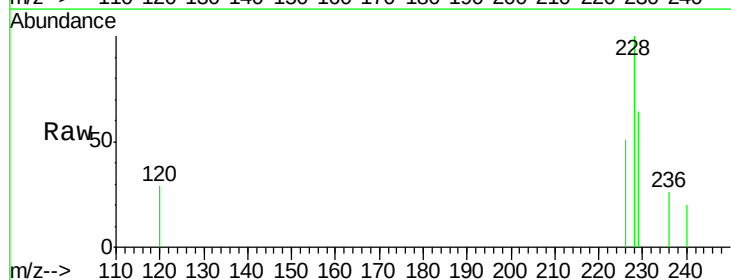
Tgt Ion:228 Resp: 10461

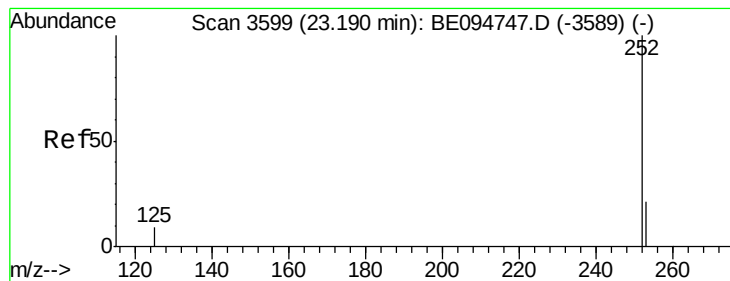
Ion Ratio Lower Upper

228 100

226 51.2 23.4 35.0#

229 64.1 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.85 ng/ul

RT: 23.20 min Scan# 3601

Delta R.T. 0.01 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

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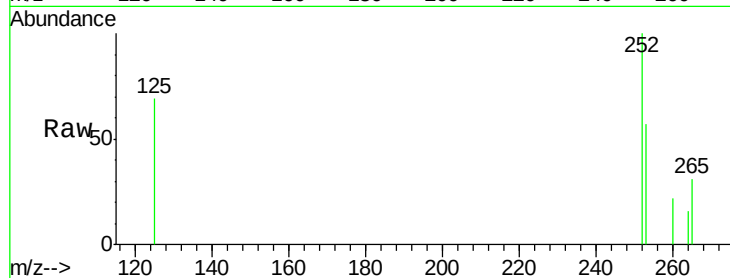
Tot Ion:252 Resp: 21186

Ion Ratio Lower Upper

252 100

253 56.6 0.0 64.2

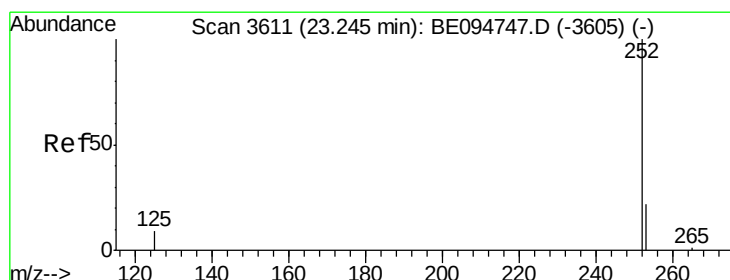
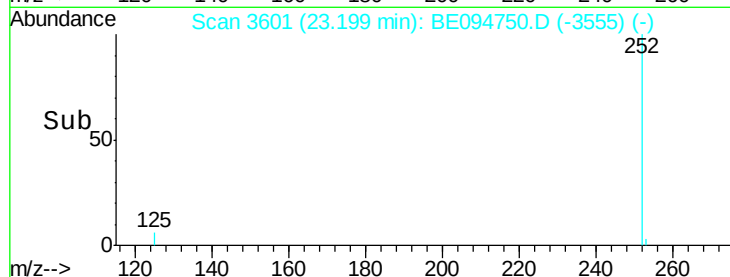
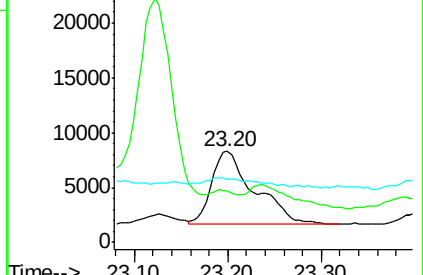
125 69.3 0.0 35.0#



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: 0.80 ng/ul

RT: 23.20 min Scan# 3601

Delta R.T. -0.05 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

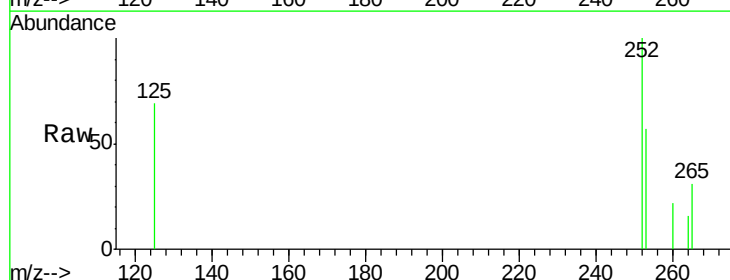
Tgt Ion:252 Resp: 21186

Ion Ratio Lower Upper

252 100

253 56.6 24.5 36.7#

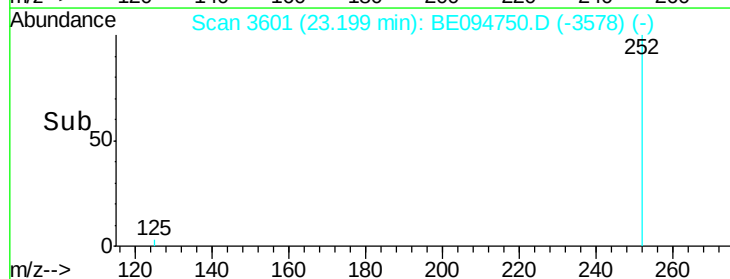
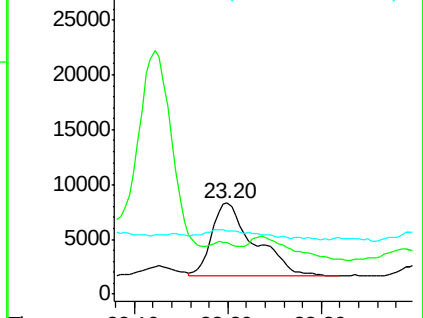
125 69.3 13.7 20.5#

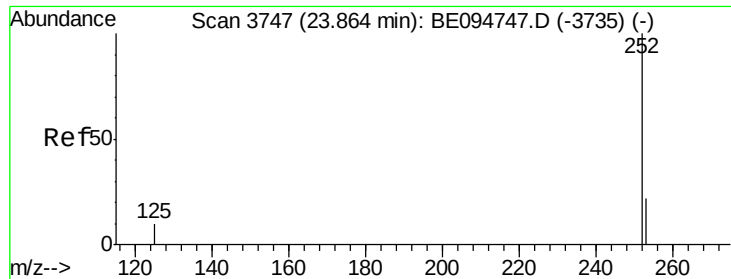


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.87 min Scan# 3748

Delta R.T. 0.00 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

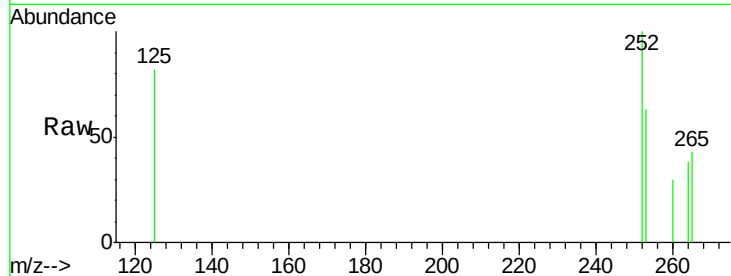
Tot Ion:252 Resp: 11274

Ion Ratio Lower Upper

252 100

253 63.1 28.5 42.7#

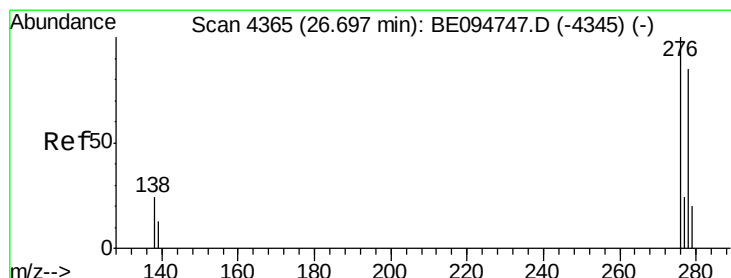
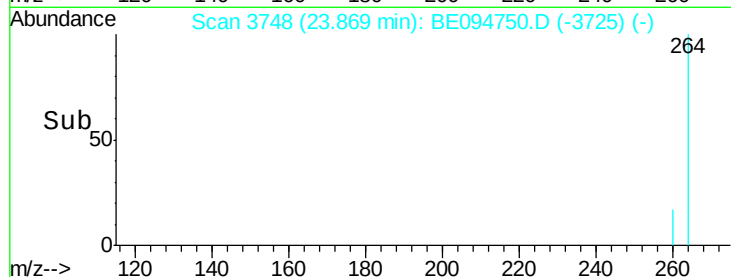
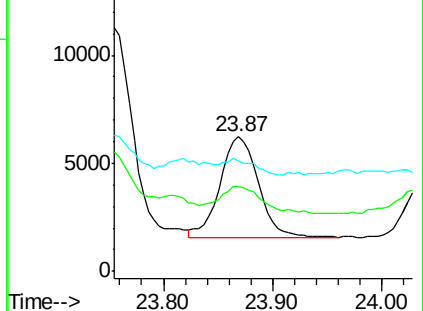
125 82.4 18.1 27.1#



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: 0.31 ng/ul

RT: 26.70 min Scan# 4365

Delta R.T. -0.00 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

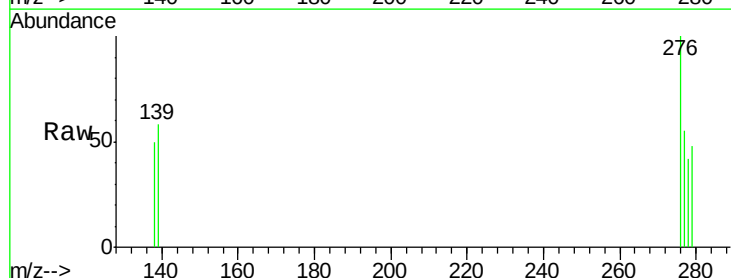
Tgt Ion:276 Resp: 7844

Ion Ratio Lower Upper

276 100

138 24.7 28.0 42.0#

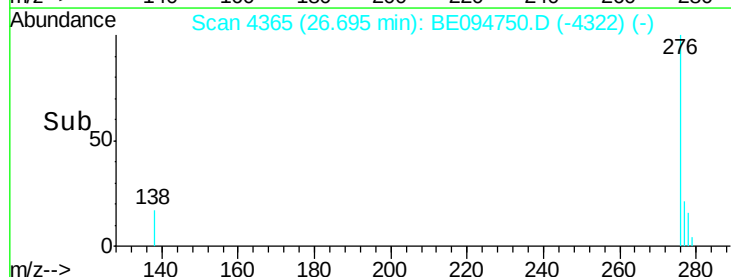
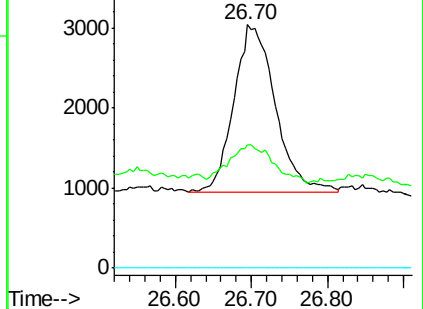
227 0.0 8.0 12.0#

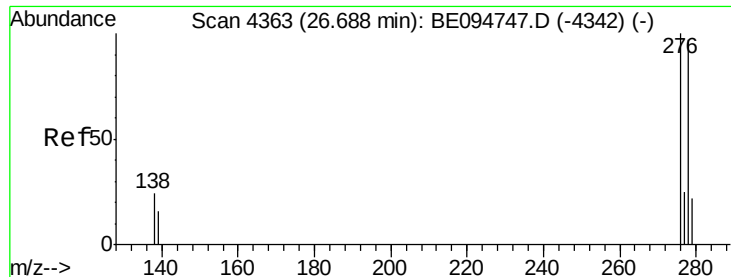


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.10 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. -0.01 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

Instrument :

BNA_E

ClientSampleId :

B-17(0.25-1.25)-101717

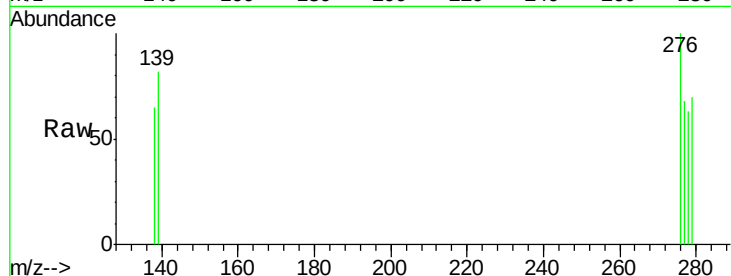
Tot Ion:278 Resp: 2226

Ion Ratio Lower Upper

278 100

139 130.8 17.4 26.0#

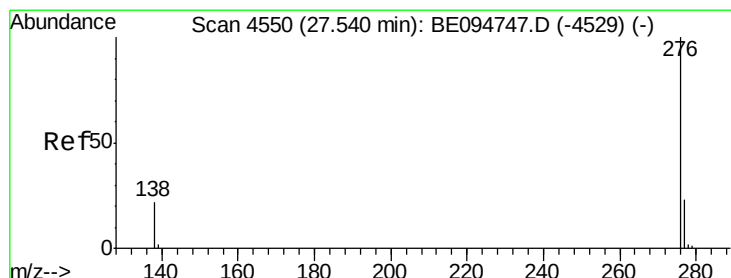
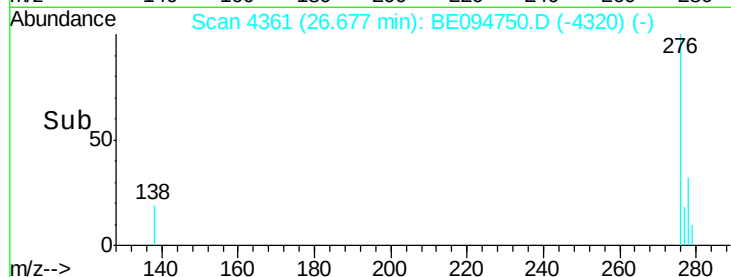
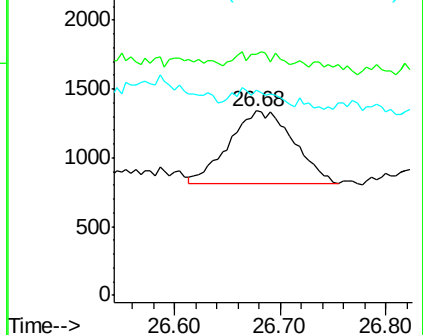
279 111.5 25.9 38.9#



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: 0.63 ng/ul

RT: 27.55 min Scan# 4553

Delta R.T. 0.01 min

Lab File: BE094750.D

Acq: 6 Nov 2017 13:19

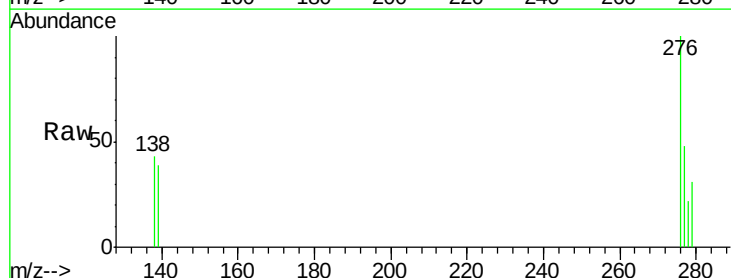
Tgt Ion:276 Resp: 13048

Ion Ratio Lower Upper

276 100

138 43.2 21.8 32.8#

277 47.9 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

