

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094738.D
 Acq On : 4 Nov 2017 9:18
 Operator : SJ/JU
 Sample : I5955-05 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-15(0.25-1.25)-101717

Quant Time: Nov 05 23:58:53 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 06:57:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1927	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	11339	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	6323	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13484	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	13356	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	14543	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	729	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1663	0.04	ng/ul	0.00

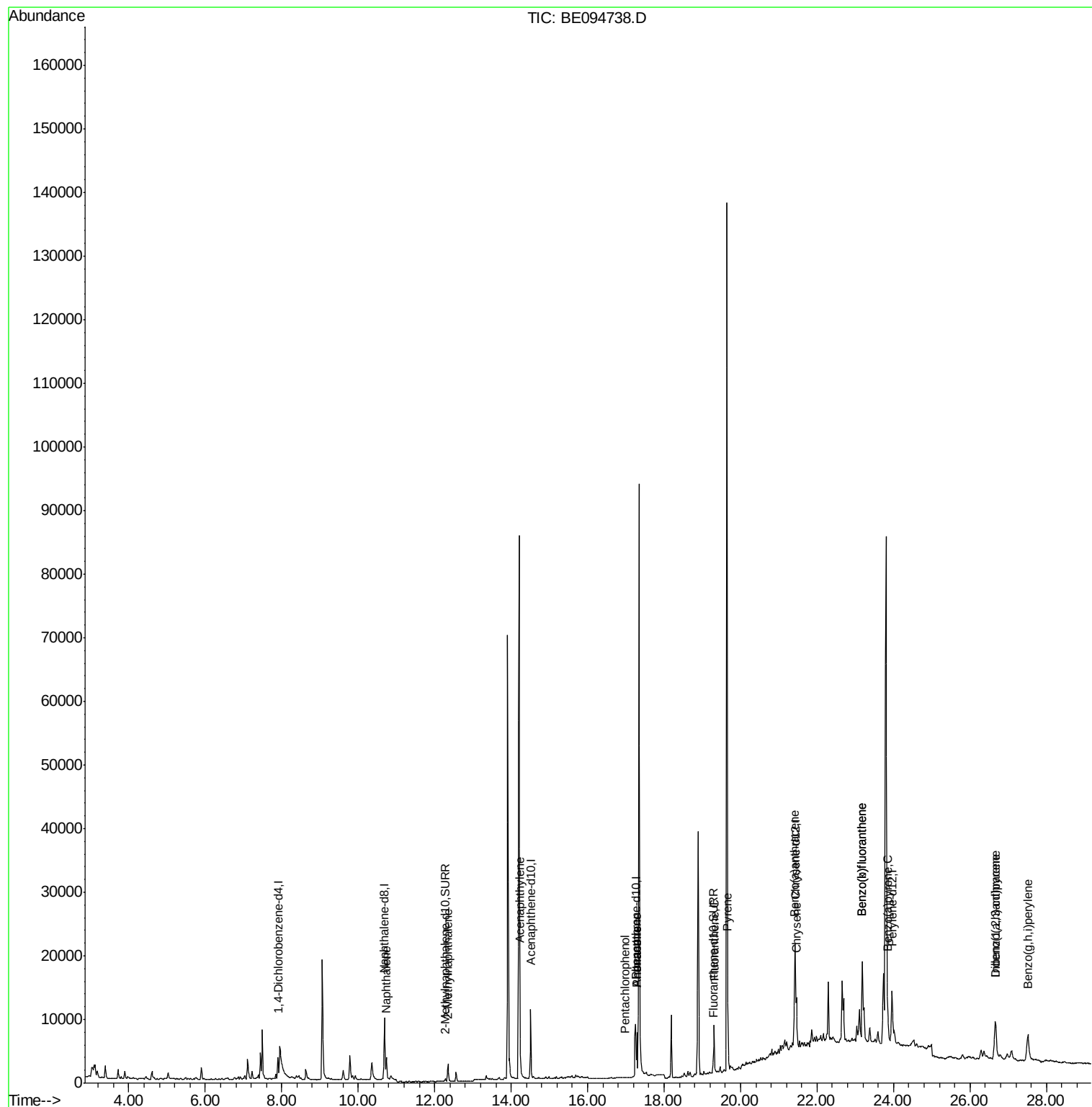
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	5378	0.19	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2880	0.15	ng/ul	96
7) Acenaphthylene	14.23	152	3480	0.12	ng/ul	97
11) Pentachlorophenol	16.98	266	17	0.03	ng/ul#	49
12) Phenanthrene	17.29	178	8060	0.23	ng/ul	93
13) Anthracene	17.29	178	7950	0.23	ng/ul	95
15) Fluoranthene	19.31	202	9182	0.22	ng/ul	83
17) Pyrene	19.67	202	8821	0.21	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	5579	0.15	ng/ul#	56
19) Chrysene	21.46	228	6968	0.18	ng/ul#	67
21) Benzo(b)fluoranthene	23.18	252	28879	0.71	ng/ul	91
22) Benzo(k)fluoranthene	23.18	252	28772	0.66	ng/ul#	89
23) Benzo(a)pyrene	23.85	252	5942	0.15	ng/ul#	53
24) Indeno(1,2,3-cd)pyrene	26.66	276	13288	0.31	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.65	278	3762	0.11	ng/ul#	24
26) Benzo(a,h,i)perylene	27.52	276	12159	0.36	ng/ul#	78

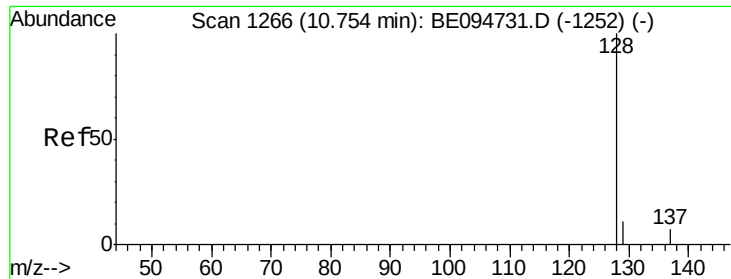
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.19 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717

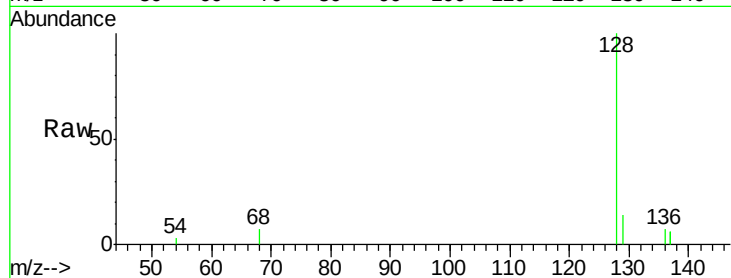
Tot Ion:128 Resp: 5378

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

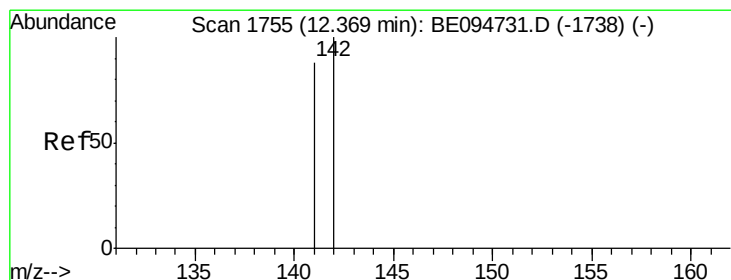
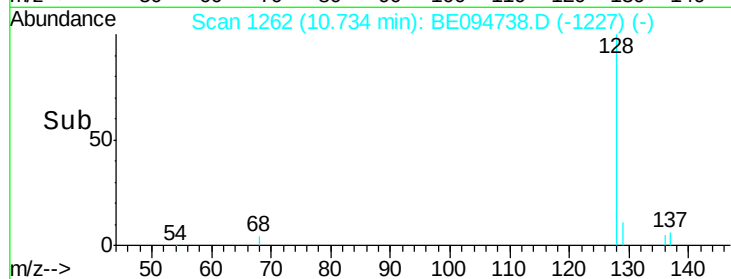
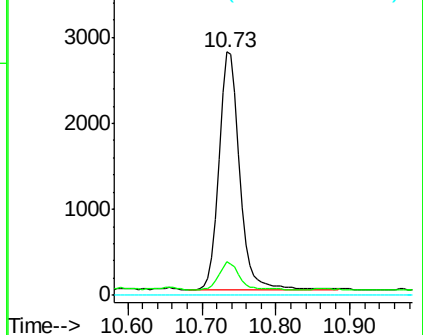
127 0.0 4.0 6.0#



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: 0.15 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094738.D

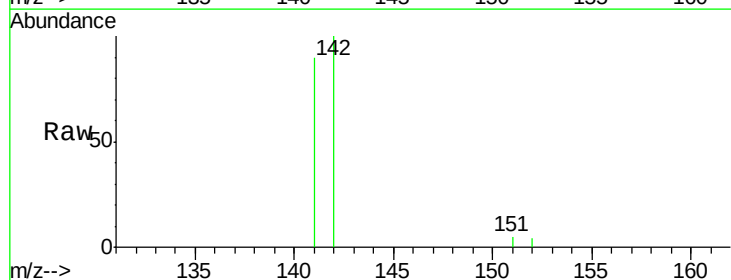
Acq: 4 Nov 2017 9:18

Tgt Ion:142 Resp: 2880

Ion Ratio Lower Upper

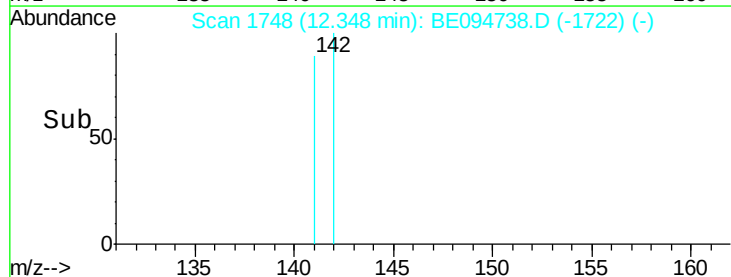
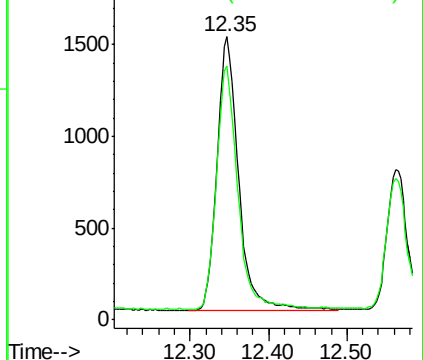
142 100

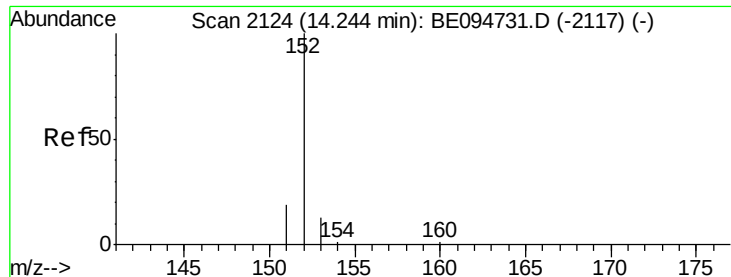
141 87.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717

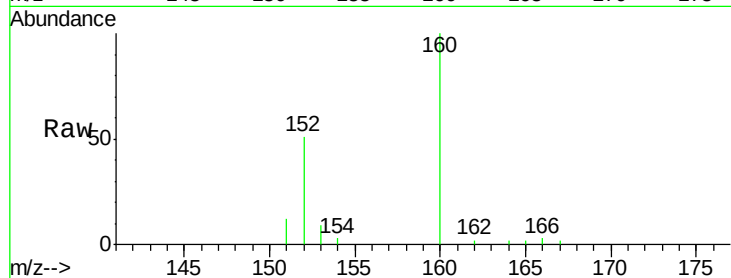
Tot Ion:152 Resp: 3480

Ion Ratio Lower Upper

152 100

151 23.2 17.1 25.7

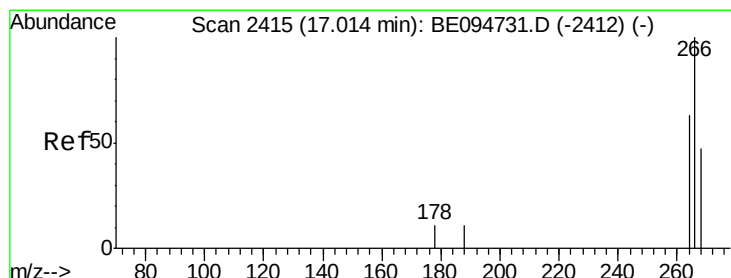
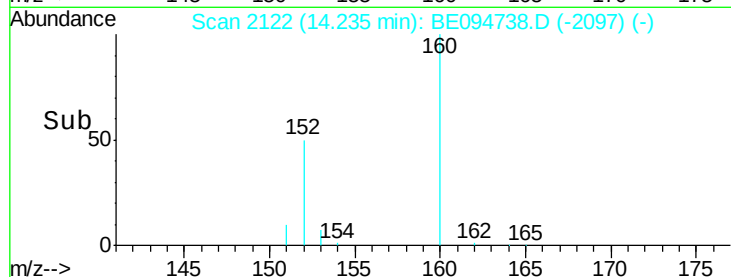
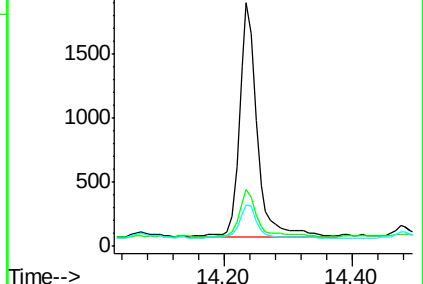
153 16.8 12.8 19.2



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



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.98 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

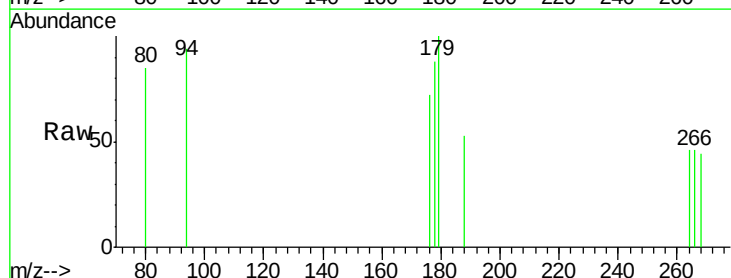
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

264 94.1 47.9 71.9#

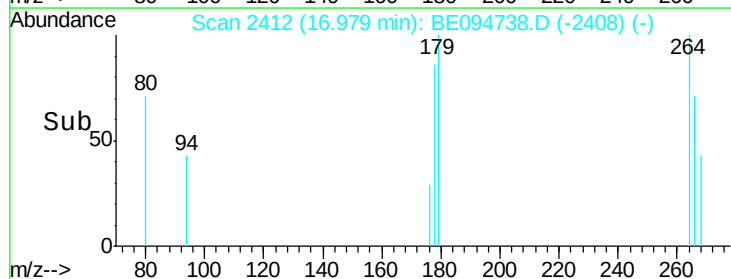
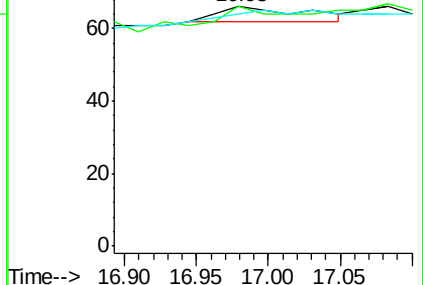
268 105.9 49.8 74.8#

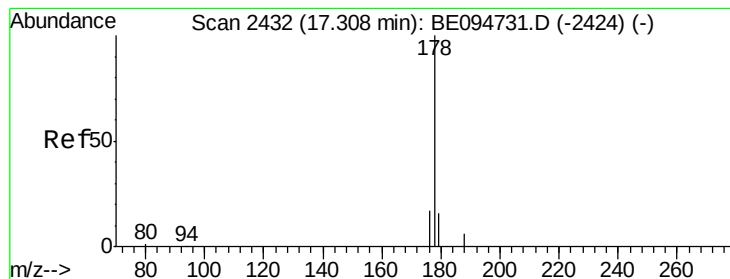


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.23 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717

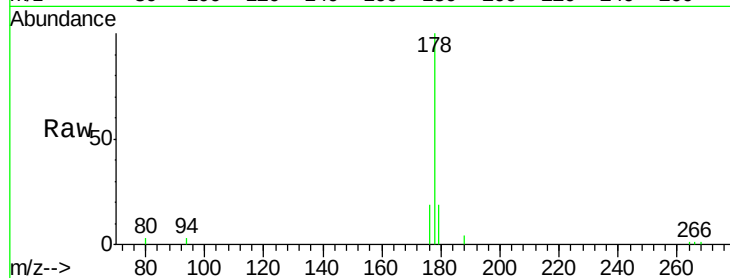
Tot Ion:178 Resp: 8060

Ion Ratio Lower Upper

178 100

179 18.6 18.4 27.6

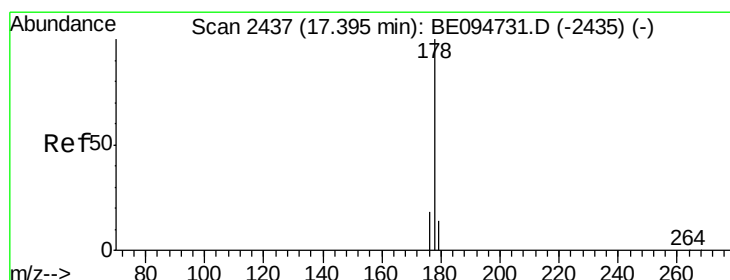
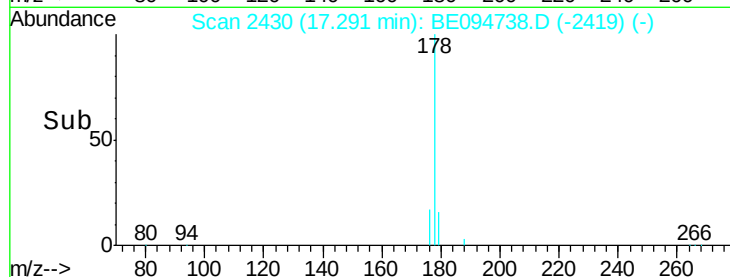
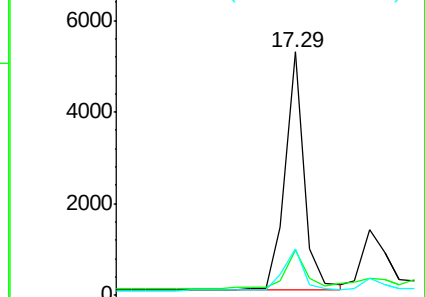
176 18.9 13.6 20.4



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: 0.23 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.10 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

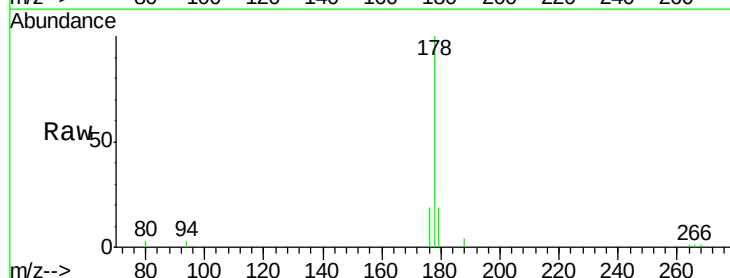
Tgt Ion:178 Resp: 7950

Ion Ratio Lower Upper

178 100

179 18.6 18.1 27.1

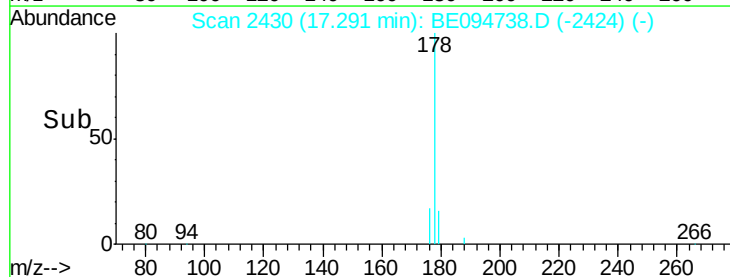
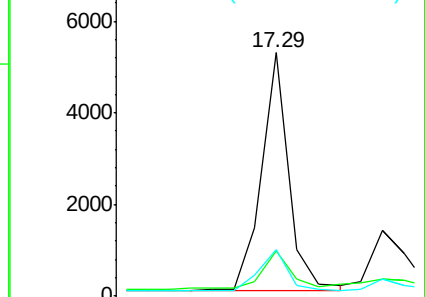
176 18.9 14.7 22.1

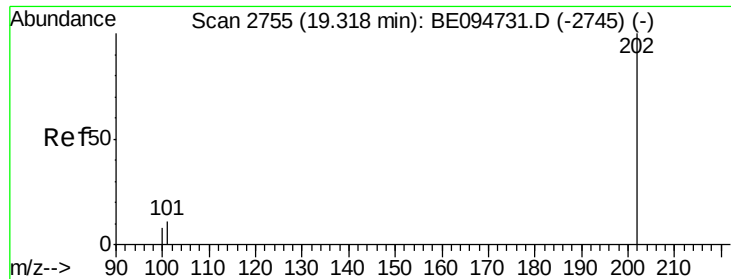


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.22 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

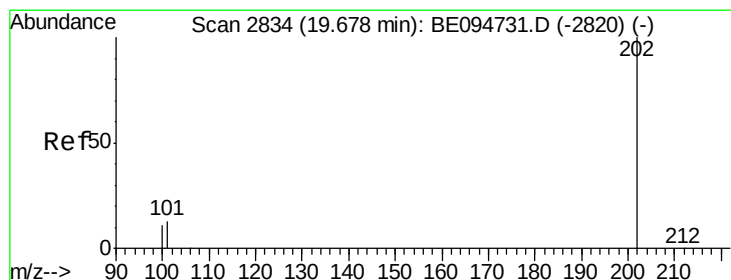
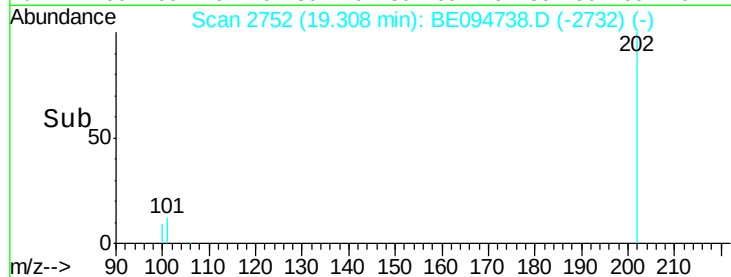
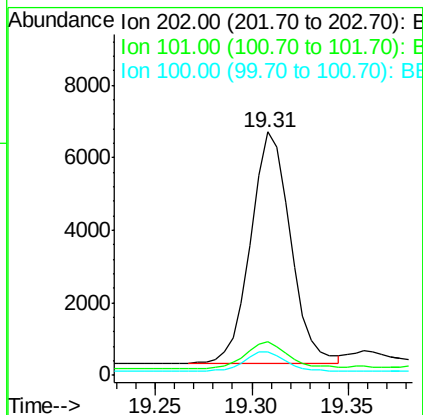
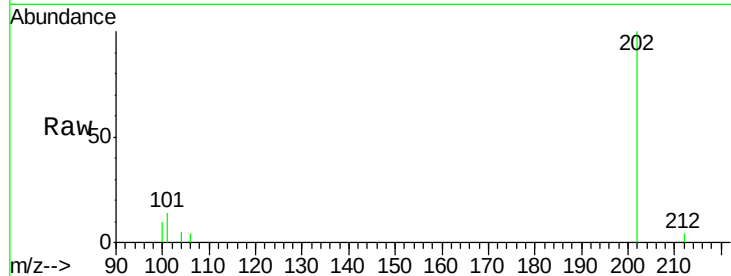
Instrument :

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ClientSampleId :

B-15(0.25-1.25)-101717

Tot Ion:202	Resp:	9182
Ion Ratio	Lower	Upper
202 100		
101 13.6	0.0	30.3
100 9.8	0.0	39.5



#17

Pyrene

Concen: 0.21 ng/ul

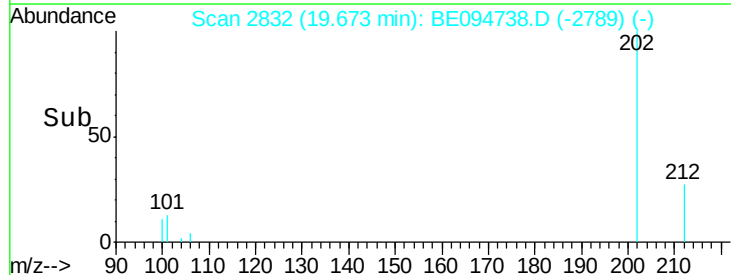
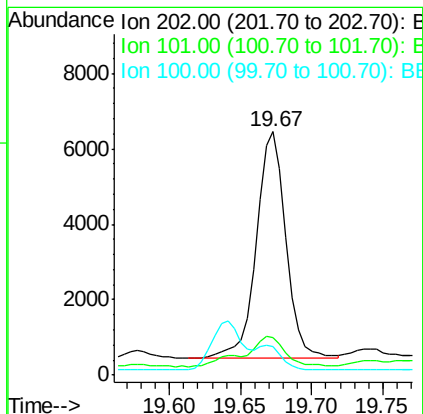
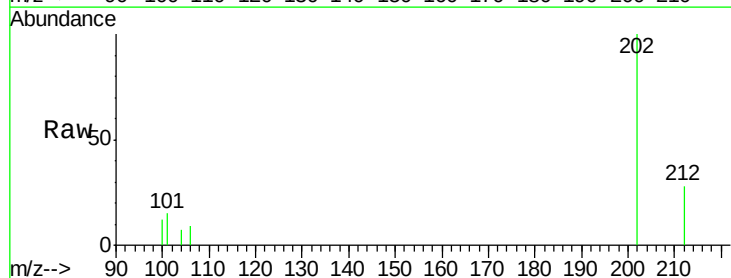
RT: 19.67 min Scan# 2832

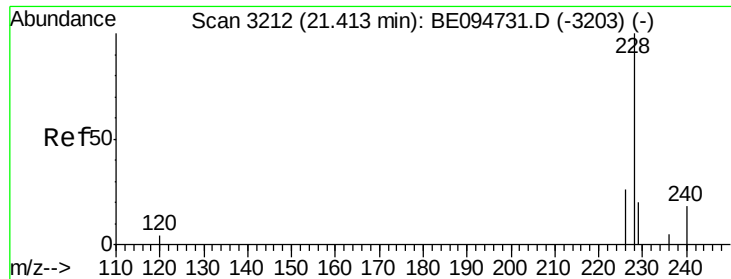
Delta R.T. -0.00 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

Tgt Ion:202	Resp:	8821
Ion Ratio	Lower	Upper
202 100		
101 15.3	18.2	27.4#
100 11.6	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.15 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717

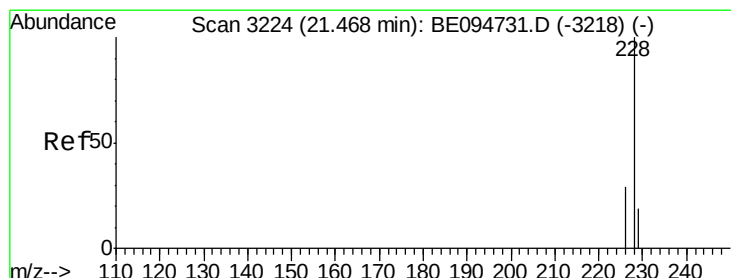
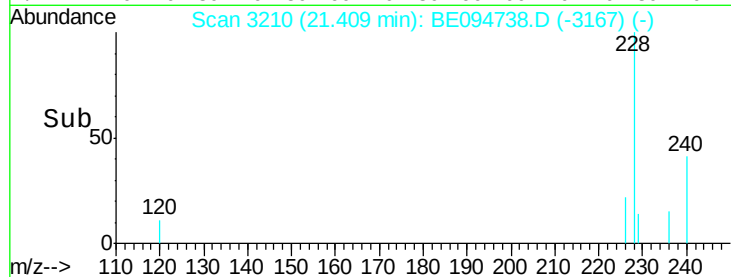
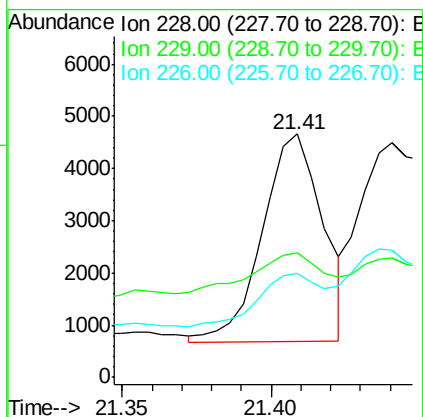
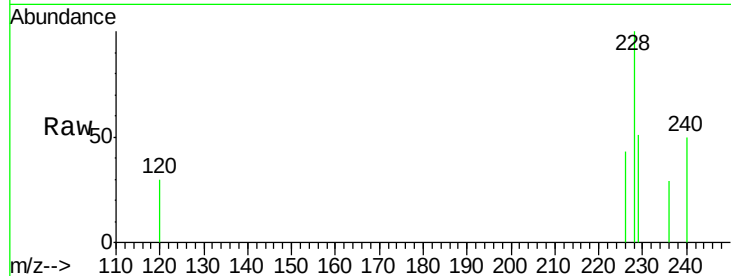
Tot Ion:228 Resp: 5579

Ion Ratio Lower Upper

228 100

229 51.0 22.8 34.2#

226 42.6 17.0 25.6#



#19

Chrysene

Concen: 0.18 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

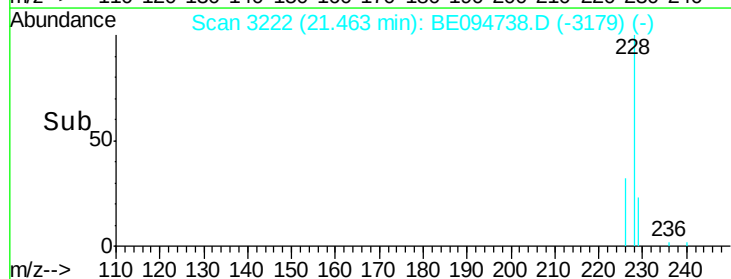
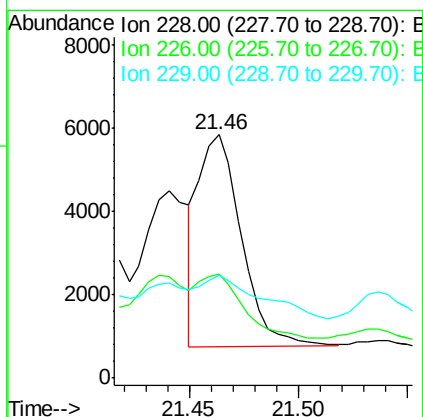
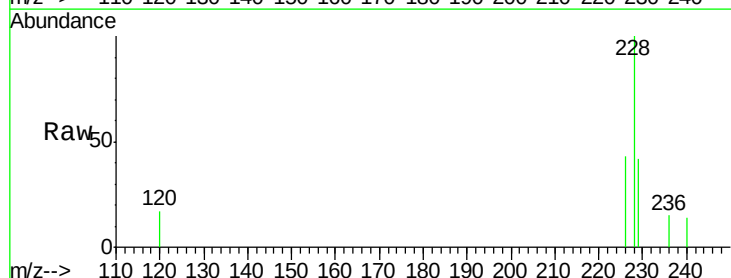
Tgt Ion:228 Resp: 6968

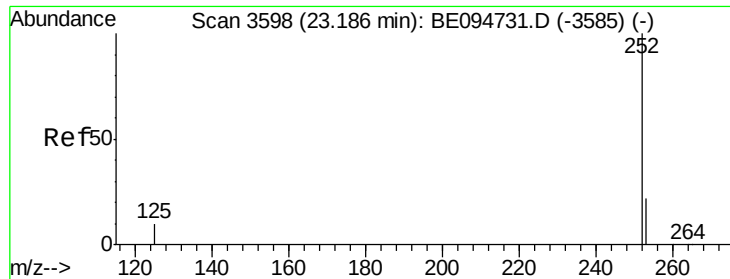
Ion Ratio Lower Upper

228 100

226 42.7 23.4 35.0#

229 42.2 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.71 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.00 min

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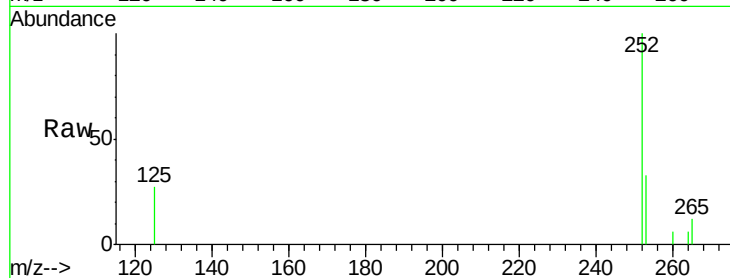
Tot Ion:252 Resp: 28879

Ion Ratio Lower Upper

252 100

253 32.7 0.0 64.2

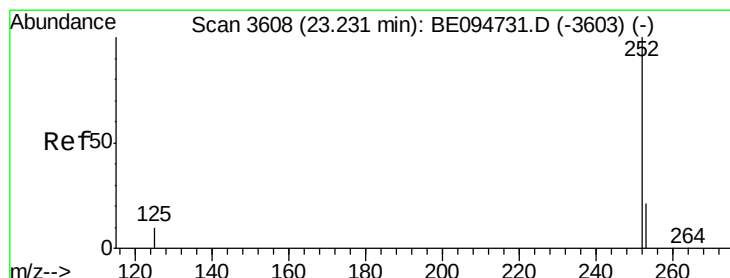
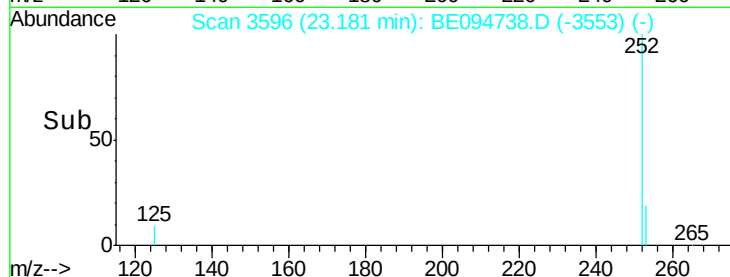
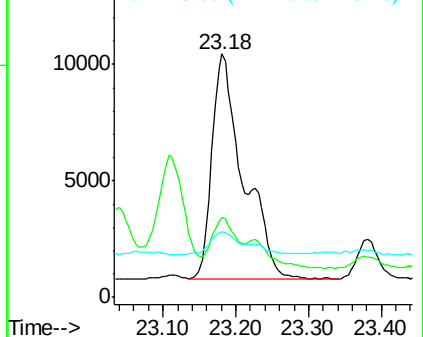
125 27.2 0.0 35.0



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: 0.66 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

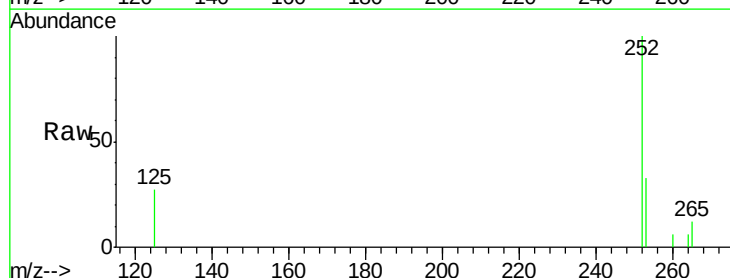
Tgt Ion:252 Resp: 28772

Ion Ratio Lower Upper

252 100

253 32.7 24.5 36.7

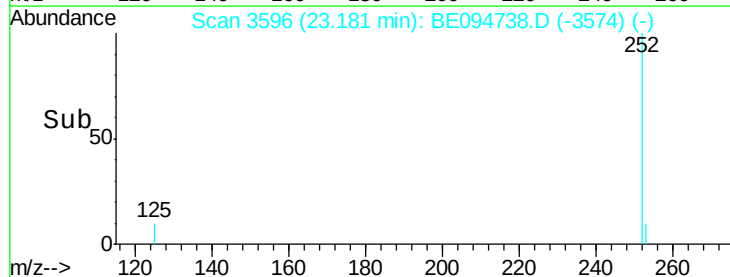
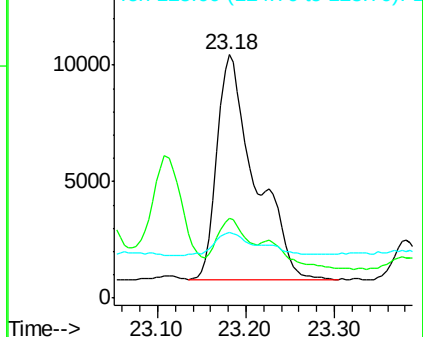
125 27.2 13.7 20.5#

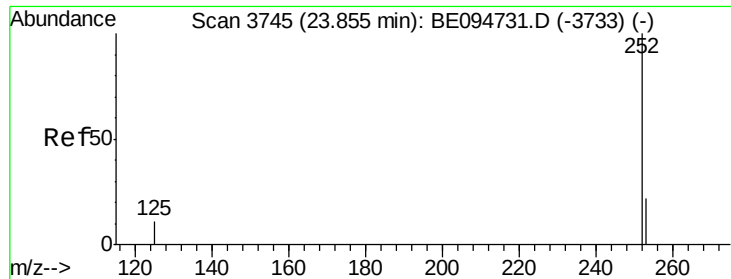


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.15 ng/ul

RT: 23.85 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094738.D

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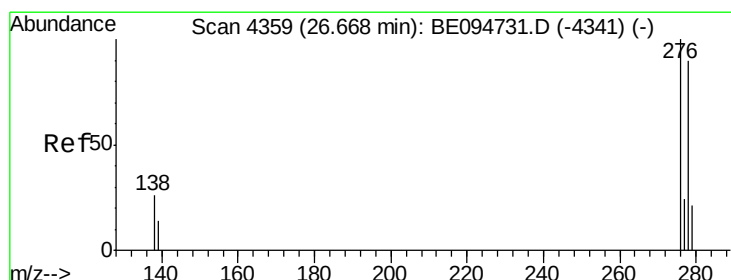
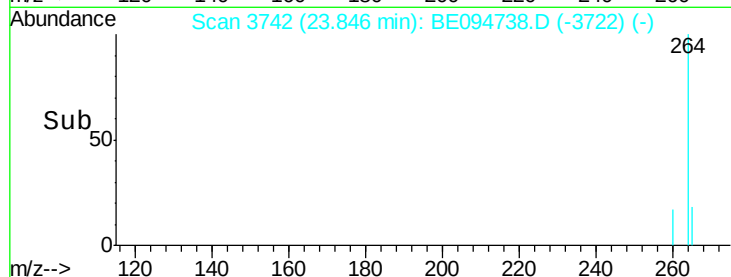
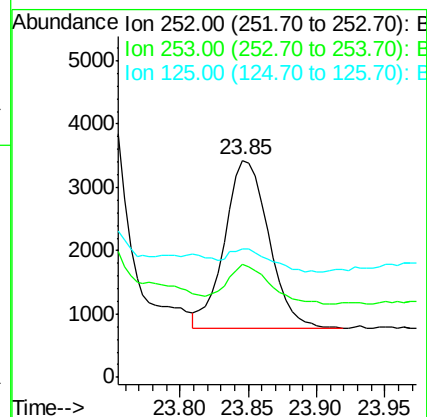
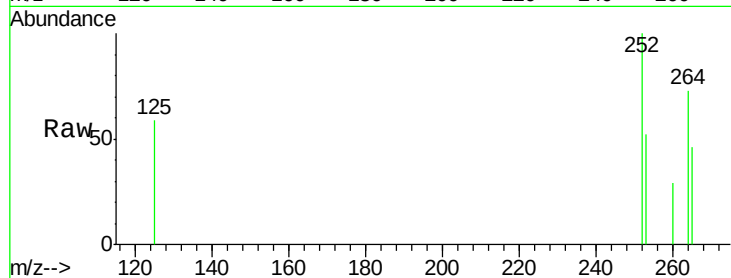
Tot Ion:252 Resp: 5942

Ion Ratio Lower Upper

252 100

253 52.1 28.5 42.7#

125 59.4 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.31 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. -0.00 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

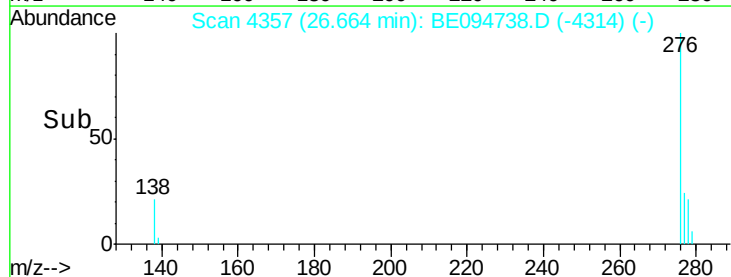
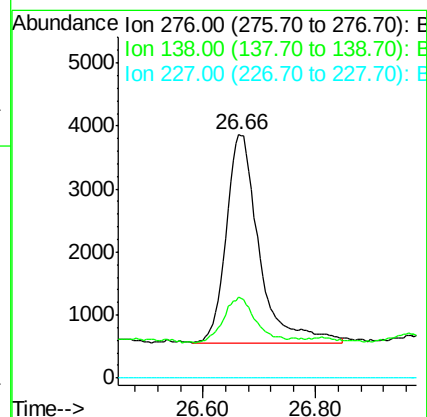
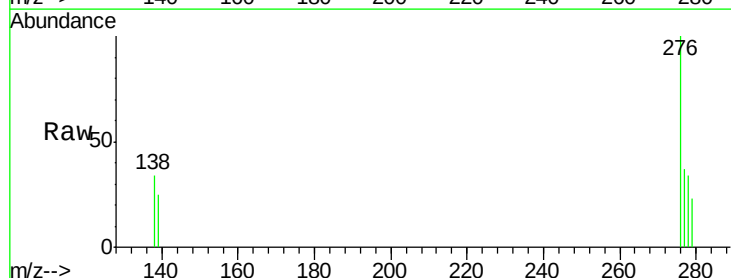
Tgt Ion:276 Resp: 13288

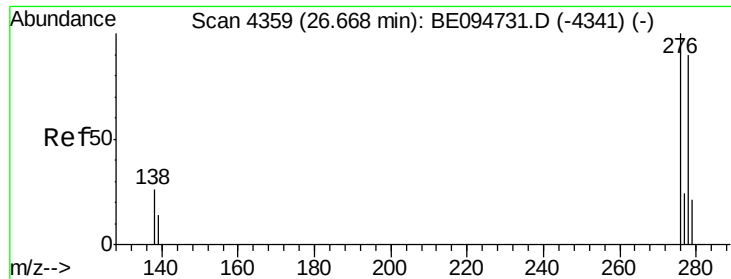
Ion Ratio Lower Upper

276 100

138 21.7 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.11 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.01 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717

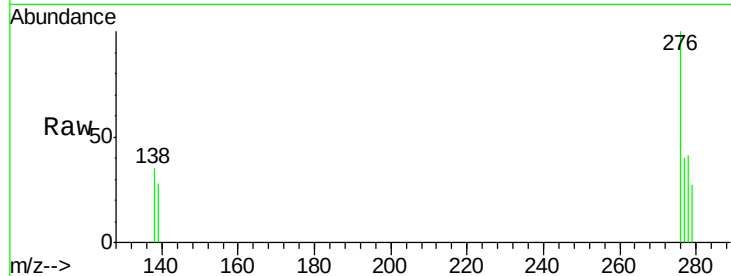
Tot Ion:278 Resp: 3762

Ion Ratio Lower Upper

278 100

139 69.3 17.4 26.0#

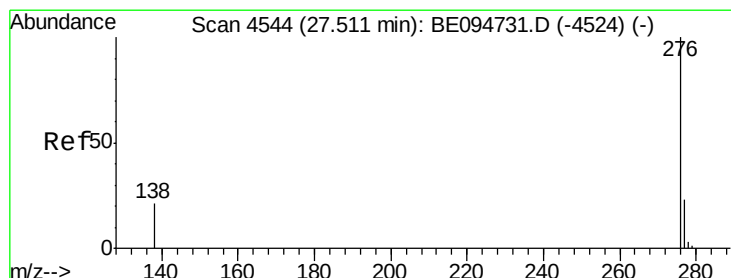
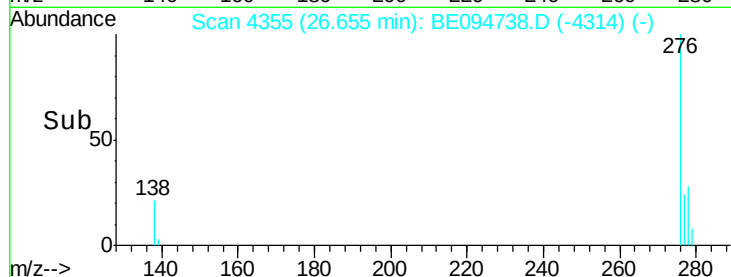
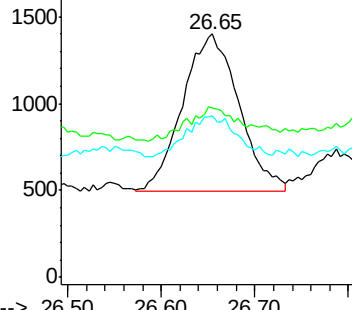
279 66.2 25.9 38.9#



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: 0.36 ng/ul

RT: 27.52 min Scan# 4544

Delta R.T. 0.00 min

Lab File: BE094738.D

Acq: 4 Nov 2017 9:18

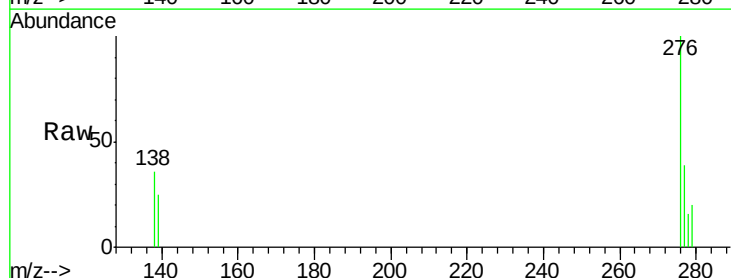
Tgt Ion:276 Resp: 12159

Ion Ratio Lower Upper

276 100

138 36.1 21.8 32.8#

277 39.4 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

