

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094740.D
 Acq On : 4 Nov 2017 10:29
 Operator : SJ/JU
 Sample : I5955-07MSD 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: Nov 05 23:59:15 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	1503	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8938	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	5084	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10838	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11158	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	12036	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	1055	0.07	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2475	0.08	ng/ul	0.00

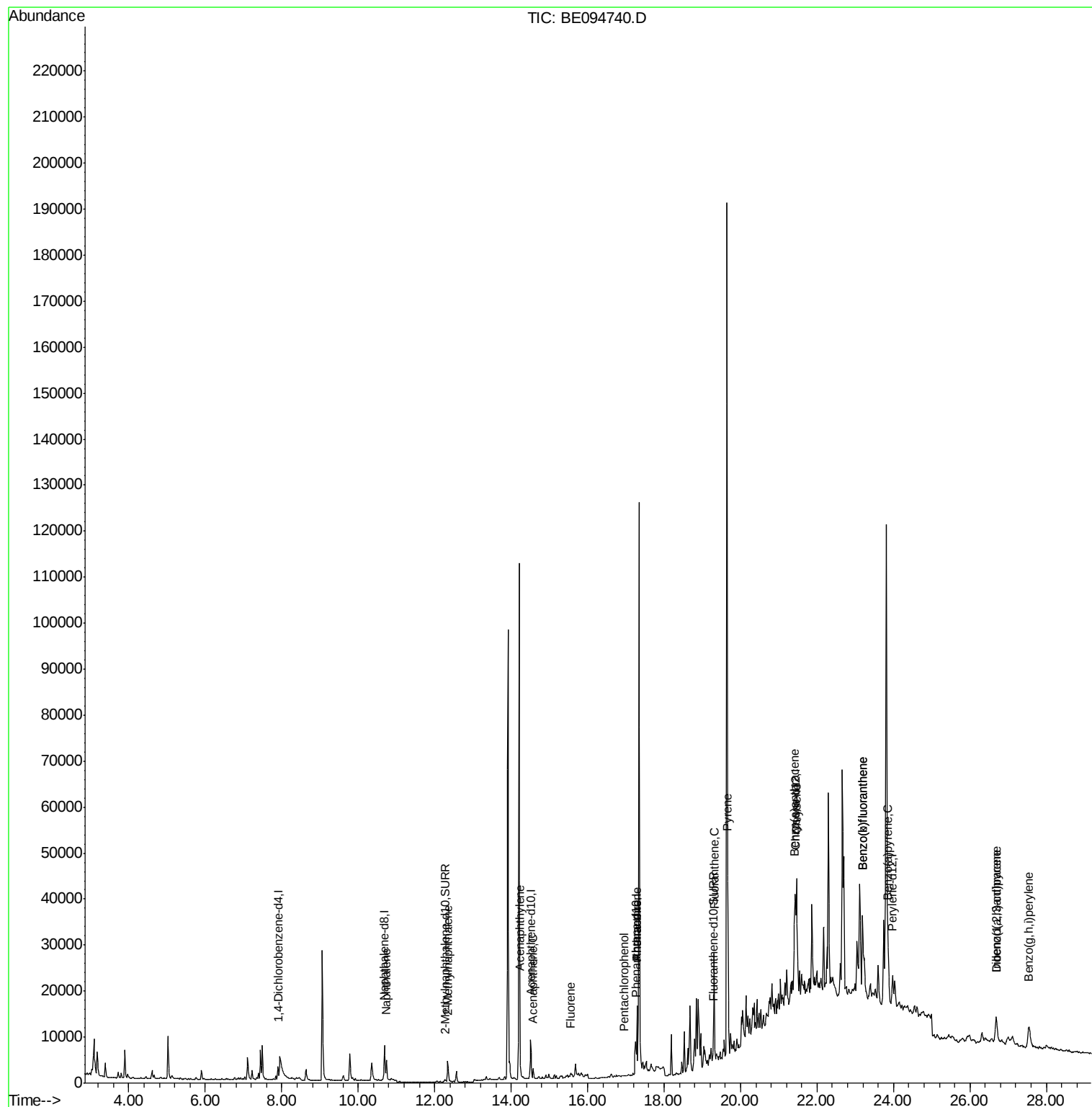
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	7151	0.33	ng/ul#	94
5) 2-Methylnaphthalene	12.34	142	4413	0.29	ng/ul	98
7) Acenaphthylene	14.24	152	1960	0.09	ng/ul#	83
8) Acenaphthene	14.57	153	1529	0.09	ng/ul#	93
9) Fluorene	15.56	166	713	0.04	ng/ul#	76
11) Pentachlorophenol	16.96	266	45	0.08	ng/ul#	59
12) Phenanthrene	17.29	178	17401	0.61	ng/ul	92
13) Anthracene	17.29	178	16743	0.59	ng/ul	94
15) Fluoranthene	19.31	202	28721	0.87	ng/ul	82
17) Pyrene	19.67	202	41166	1.19	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	16154	0.51	ng/ul#	42
19) Chrysene	21.47	228	37243	1.13	ng/ul#	60
21) Benzo(b)fluoranthene	23.19	252	40039	1.18	ng/ul#	62
22) Benzo(k)fluoranthene	23.19	252	40039	1.10	ng/ul#	59
23) Benzo(a)pyrene	23.86	252	16802	0.50	ng/ul#	45
24) Indeno(1,2,3-cd)pyrene	26.69	276	12727	0.36	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.68	278	3620	0.12	ng/ul#	1
26) Benzo(g,h,i)perylene	27.55	276	14330	0.51	ng/ul#	59

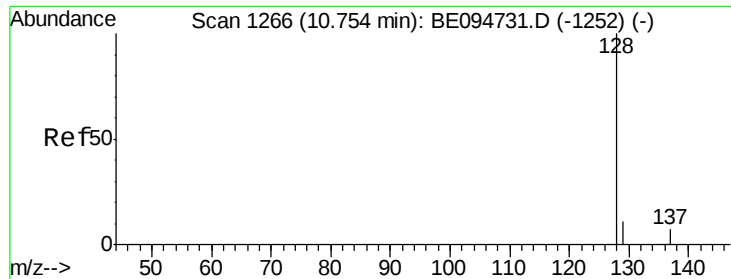
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.33 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MSD

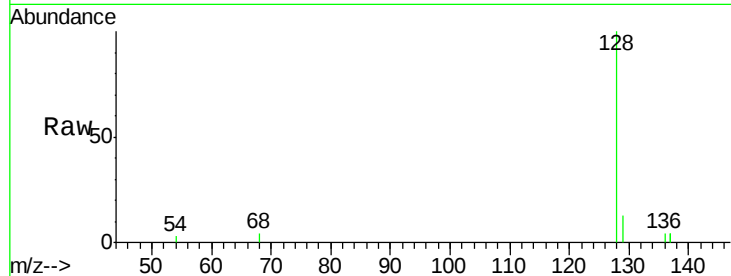
Tot Ion:128 Resp: 7151

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

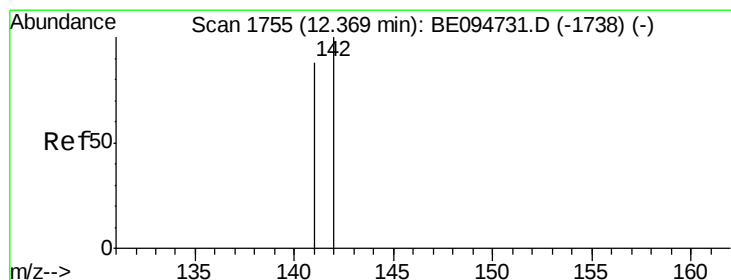
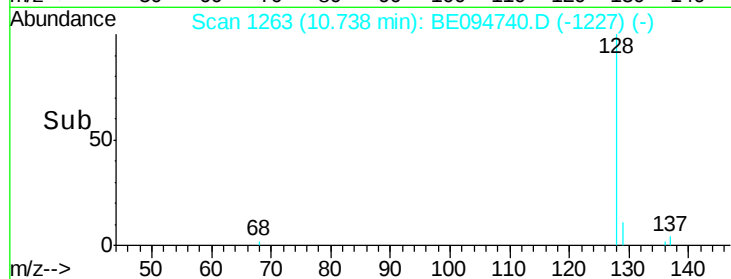
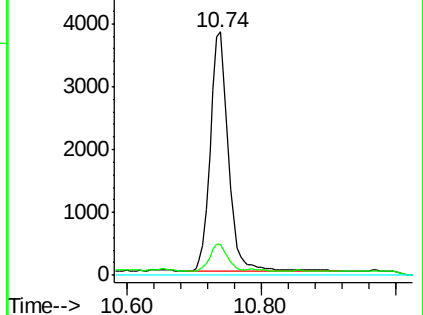
127 0.0 4.0 6.0#



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: 0.29 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094740.D

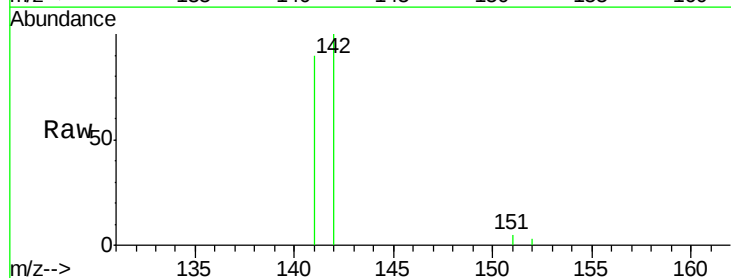
Acq: 4 Nov 2017 10:29

Tgt Ion:142 Resp: 4413

Ion Ratio Lower Upper

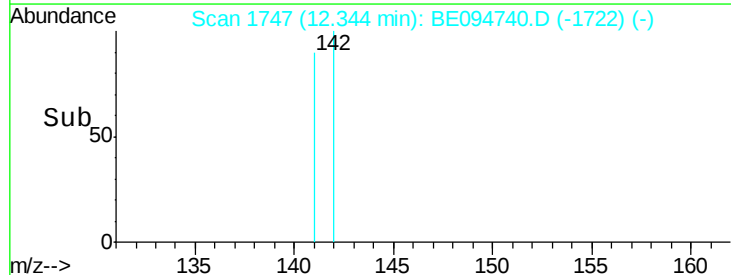
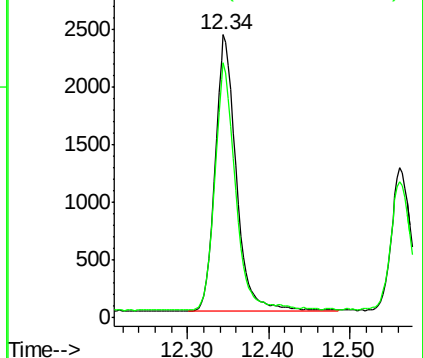
142 100

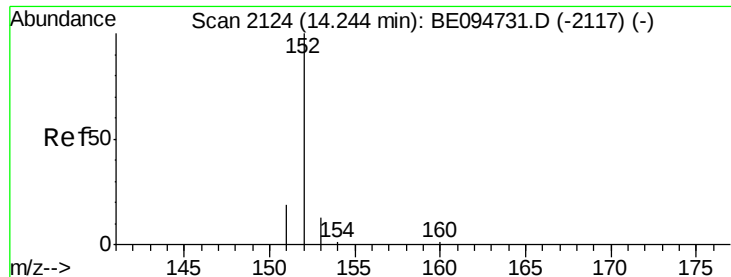
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MSD

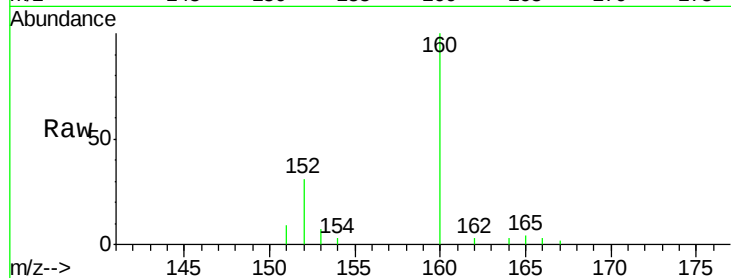
Tot Ion:152 Resp: 1960

Ion Ratio Lower Upper

152 100

151 29.0 17.1 25.7#

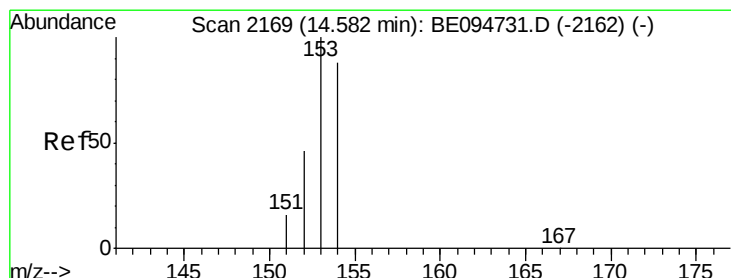
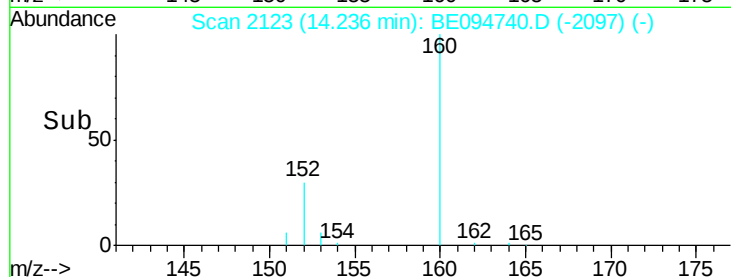
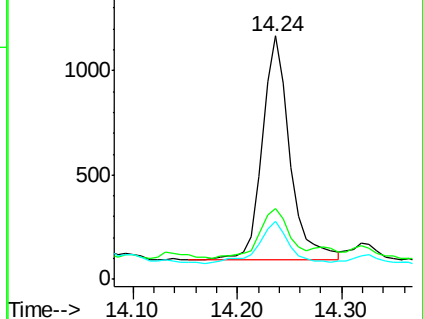
153 23.7 12.8 19.2#



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: 0.09 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

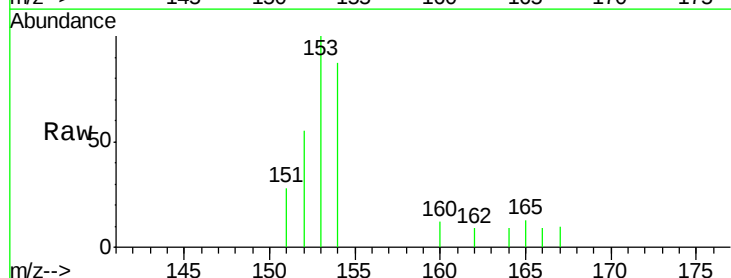
Tgt Ion:153 Resp: 1529

Ion Ratio Lower Upper

153 100

152 54.8 36.0 54.0#

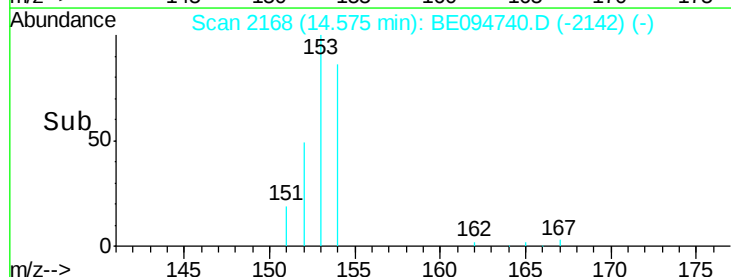
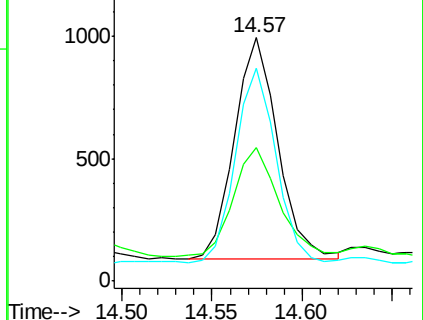
154 87.2 72.0 108.0

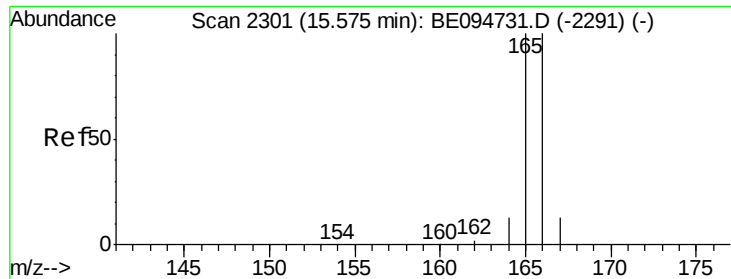


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

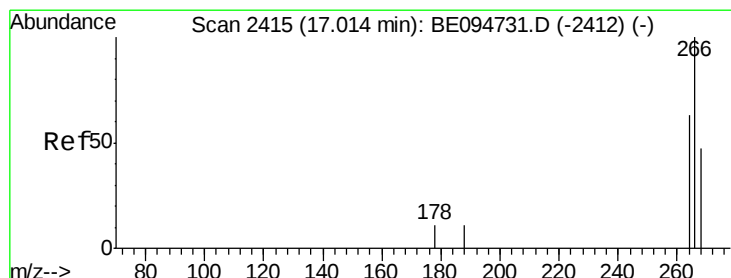
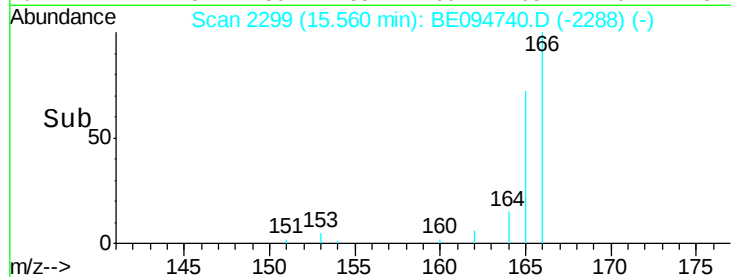
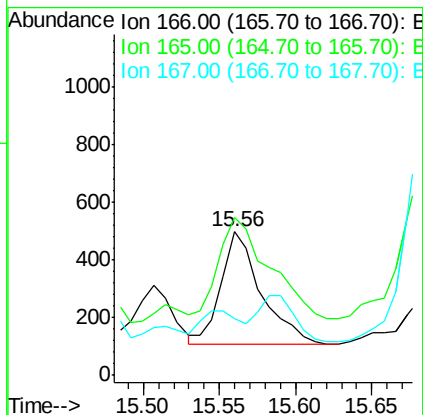
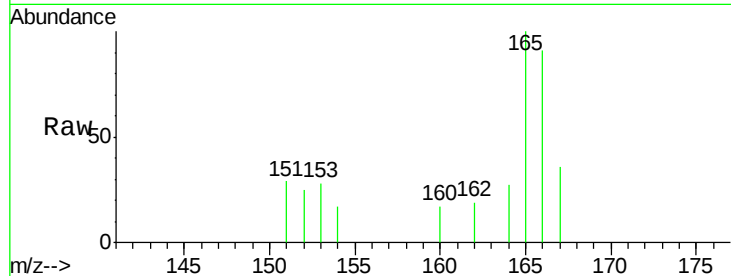




#9
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094740.D
 Acq: 4 Nov 2017 10:29

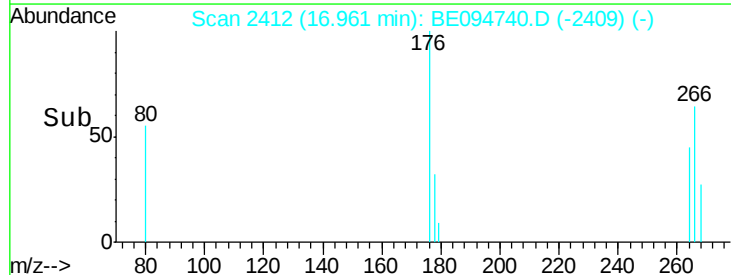
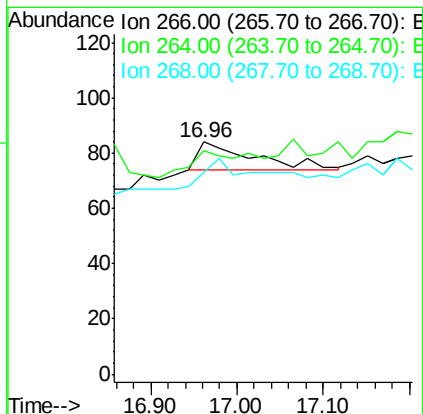
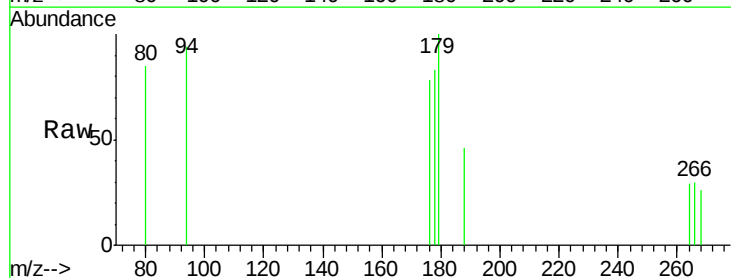
Instrument :
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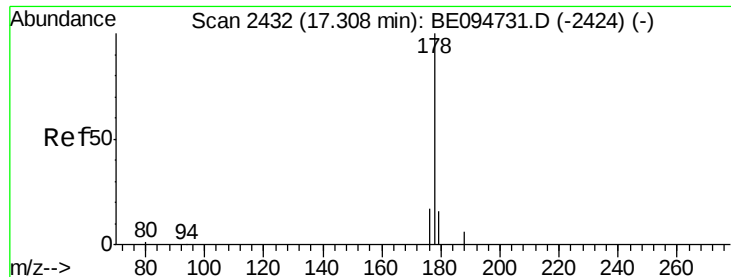
Tot Ion:166 Resp: 713
 Ion Ratio Lower Upper
 166 100
 165 110.1 73.4 110.2
 167 39.8 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.08 ng/ul
 RT: 16.96 min Scan# 2412
 Delta R.T. -0.05 min
 Lab File: BE094740.D
 Acq: 4 Nov 2017 10:29

Tgt Ion:266 Resp: 45
 Ion Ratio Lower Upper
 266 100
 264 48.9 47.9 71.9
 268 113.3 49.8 74.8#





#12

Phenanthrene

Concen: 0.61 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MSD

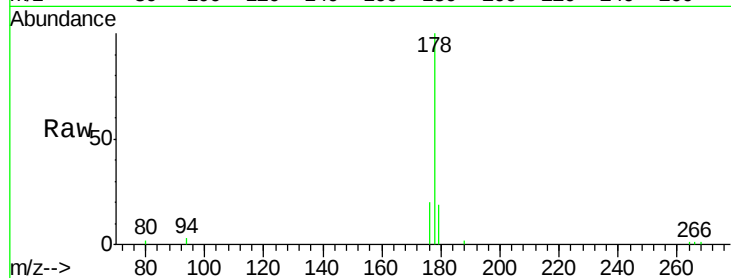
Tot Ion:178 Resp: 17401

Ion Ratio Lower Upper

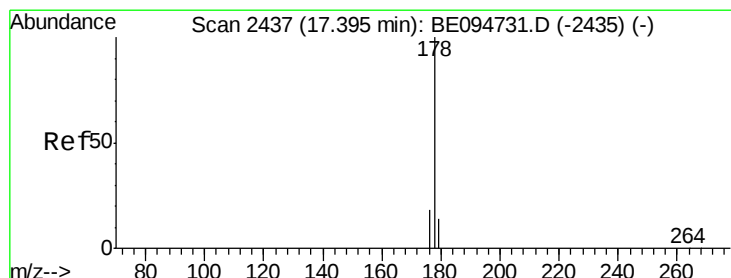
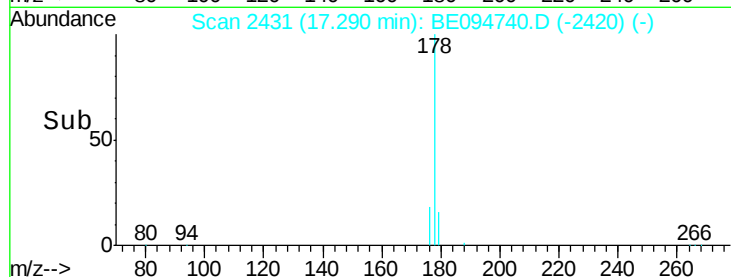
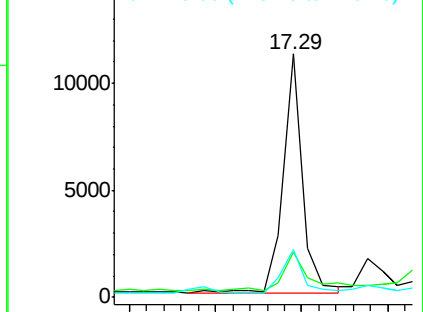
178 100

179 18.6 18.4 27.6

176 19.7 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: 0.59 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.10 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

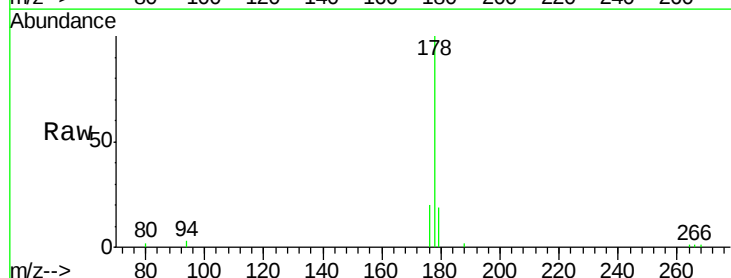
Tgt Ion:178 Resp: 16743

Ion Ratio Lower Upper

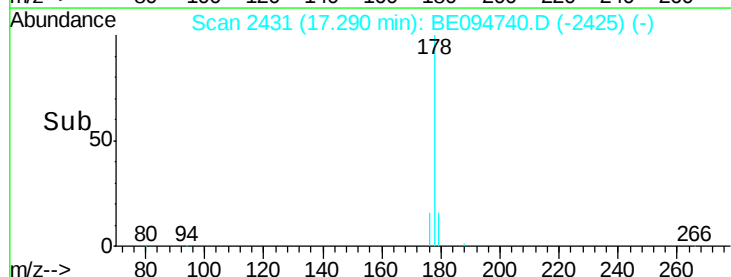
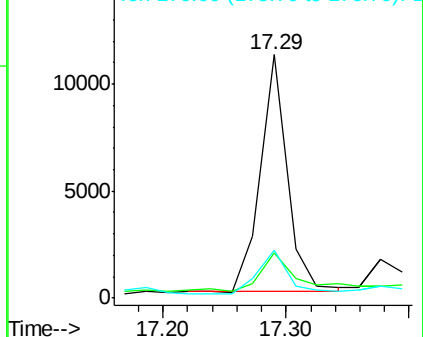
178 100

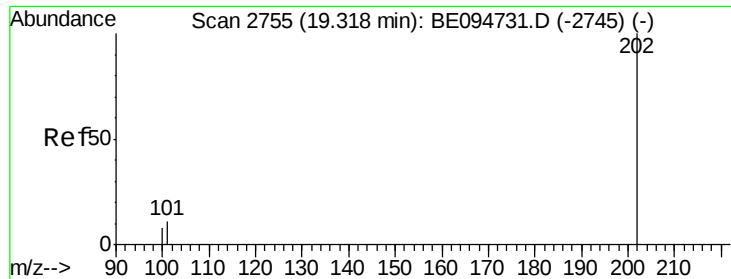
179 18.6 18.1 27.1

176 19.7 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: 0.87 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

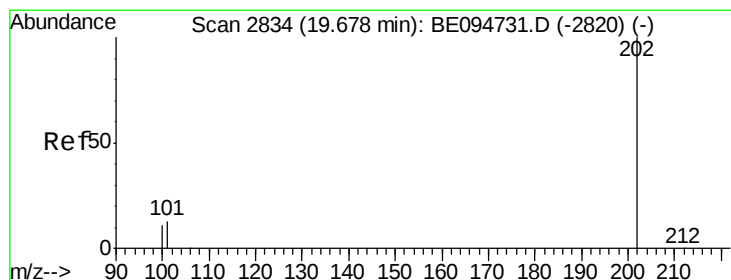
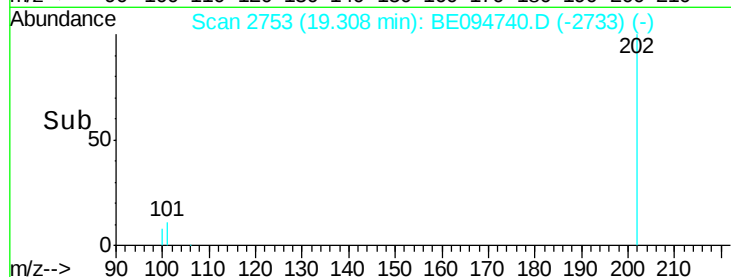
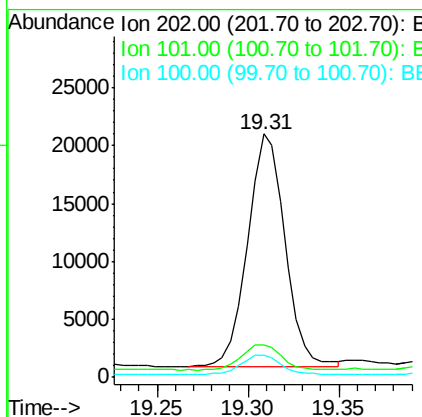
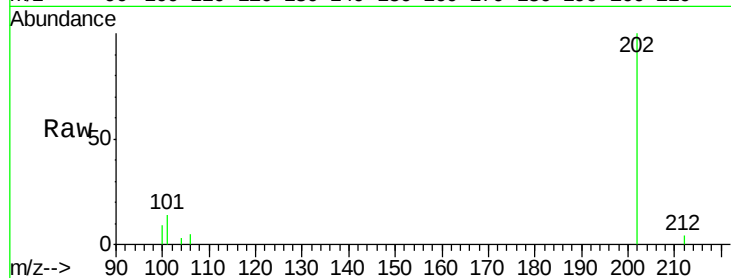
Instrument :

BNA_E

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B-15(0.25-1.25)-101717MSD

Tot Ion:202	Resp:	28721
Ion Ratio	Lower	Upper
202 100		
101 13.5	0.0	30.3
100 9.3	0.0	39.5



#17

Pyrene

Concen: 1.19 ng/ul

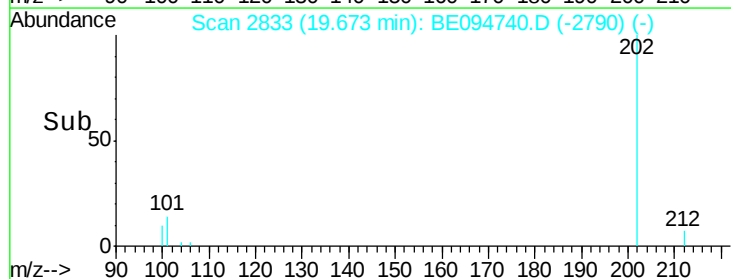
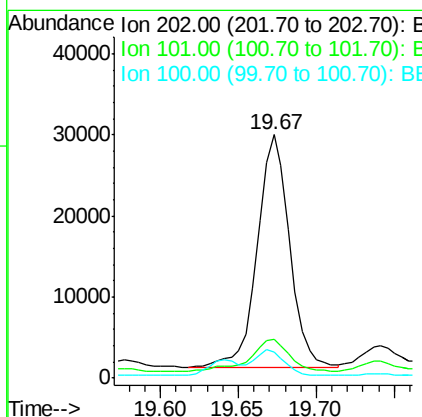
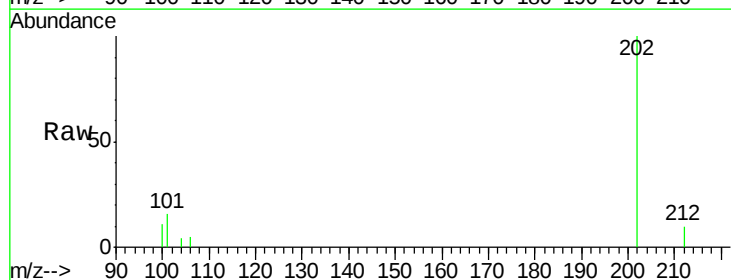
RT: 19.67 min Scan# 2833

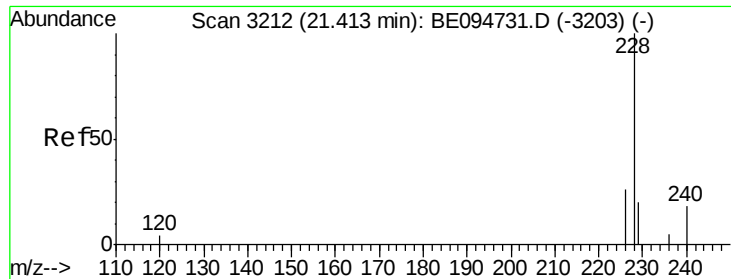
Delta R.T. -0.00 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Tgt Ion:202	Resp:	41166
Ion Ratio	Lower	Upper
202 100		
101 16.0	18.2	27.4#
100 10.8	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.51 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MSD

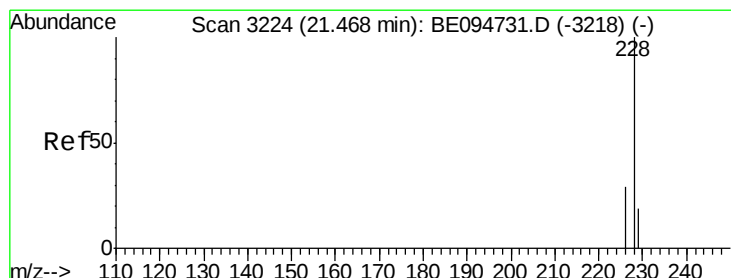
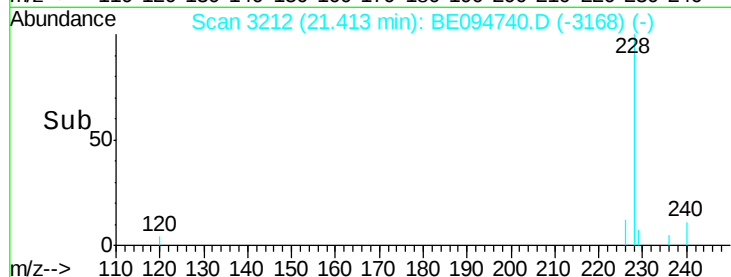
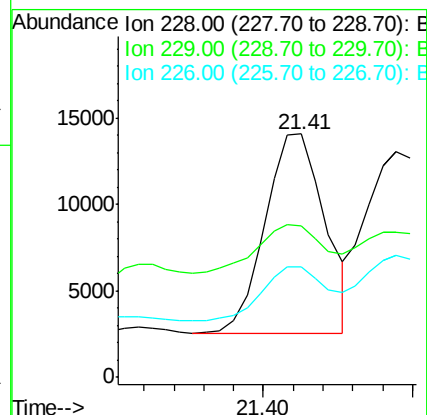
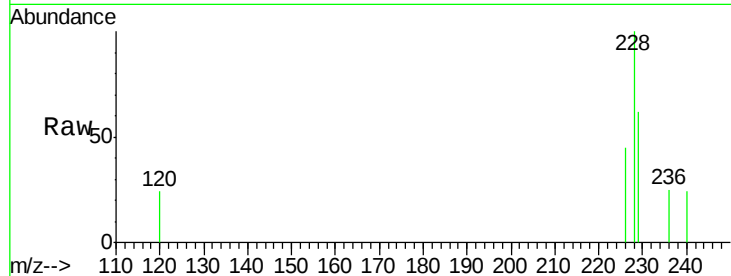
Tot Ion:228 Resp: 16154

Ion Ratio Lower Upper

228 100

229 62.1 22.8 34.2#

226 45.4 17.0 25.6#



#19

Chrysene

Concen: 1.13 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

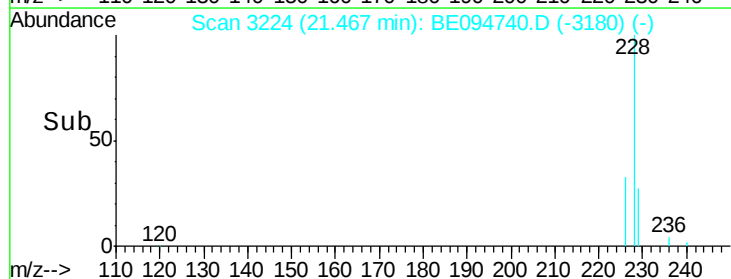
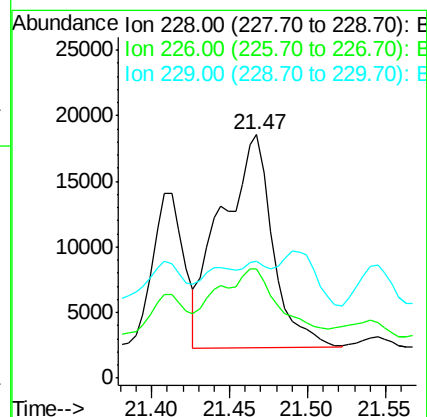
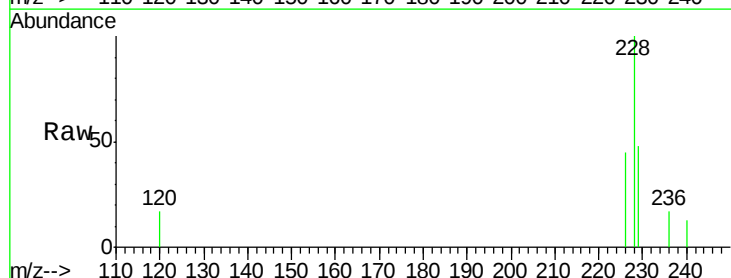
Tgt Ion:228 Resp: 37243

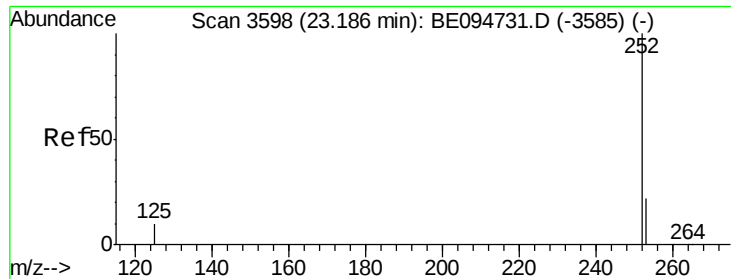
Ion Ratio Lower Upper

228 100

226 45.1 23.4 35.0#

229 48.1 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 1.18 ng/ul

RT: 23.19 min Scan# 3600

Delta R.T. 0.01 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

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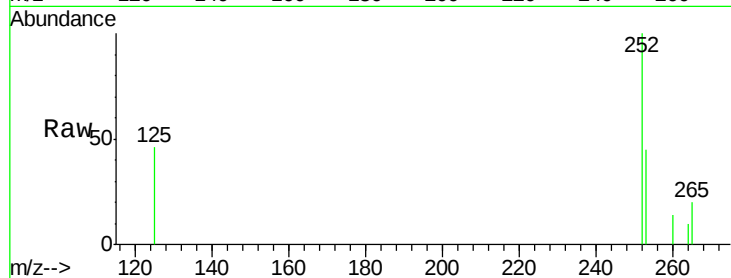
Tot Ion:252 Resp: 40039

Ion Ratio Lower Upper

252 100

253 45.2 0.0 64.2

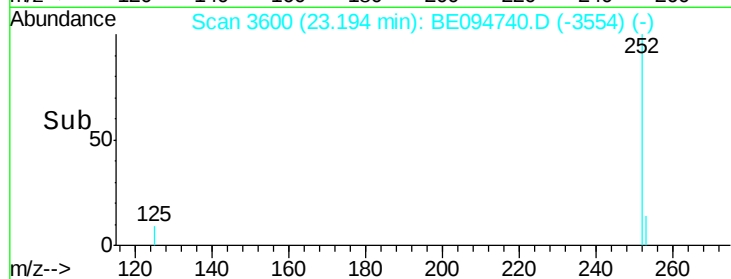
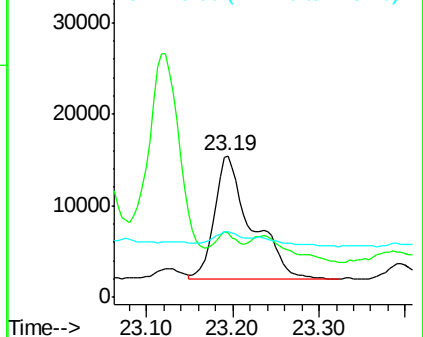
125 46.0 0.0 35.0#



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: 1.10 ng/ul

RT: 23.19 min Scan# 3600

Delta R.T. -0.04 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

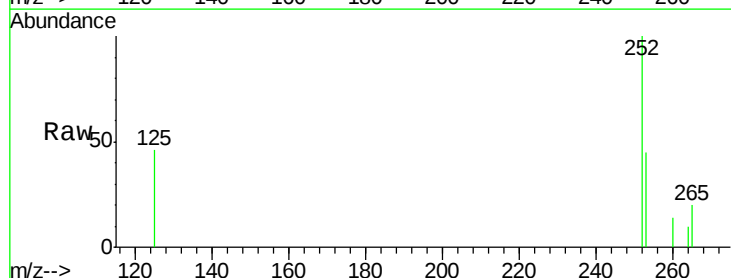
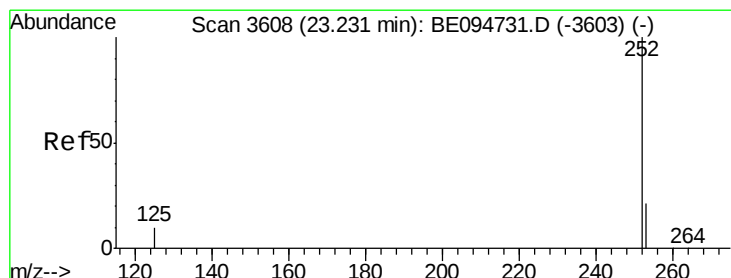
Tgt Ion:252 Resp: 40039

Ion Ratio Lower Upper

252 100

253 45.2 24.5 36.7#

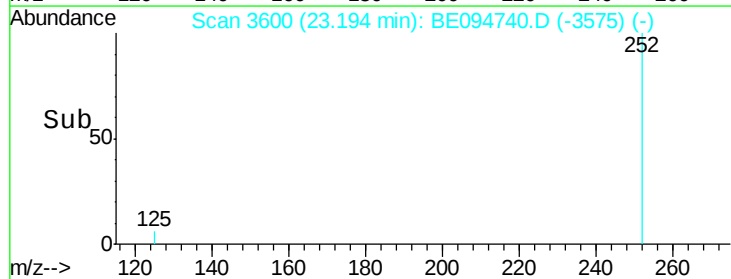
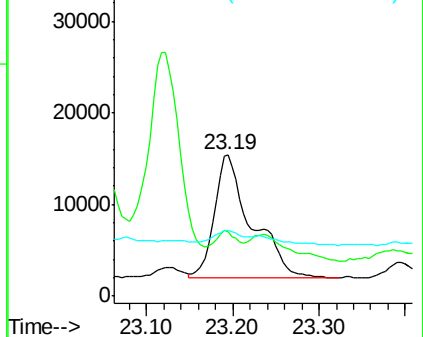
125 46.0 13.7 20.5#

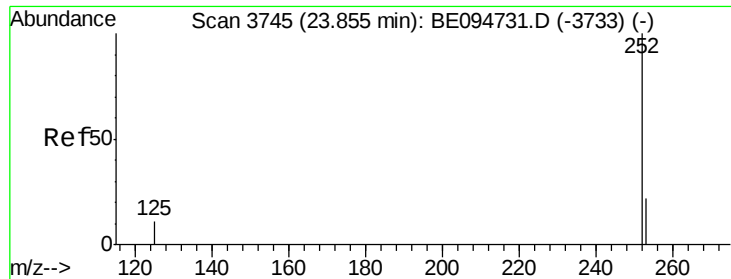


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.50 ng/ul

RT: 23.86 min Scan# 3747

Delta R.T. 0.01 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MSD

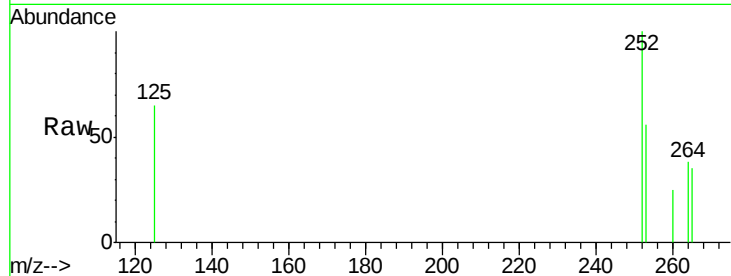
Tot Ion:252 Resp: 16802

Ion Ratio Lower Upper

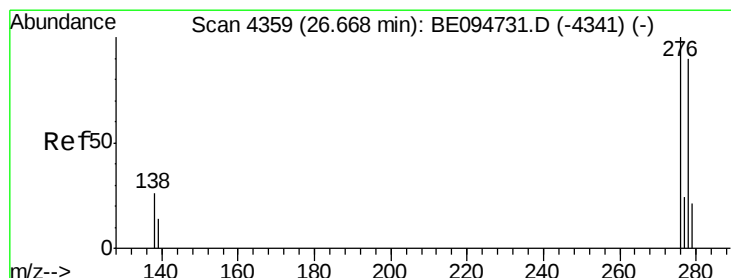
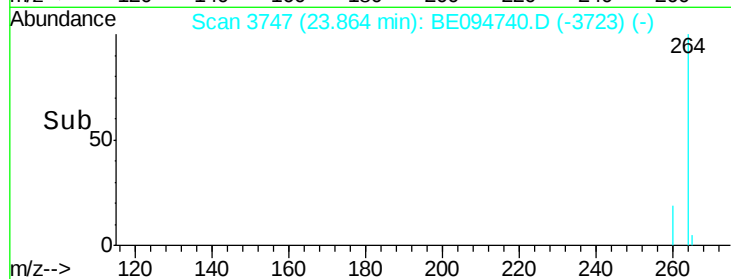
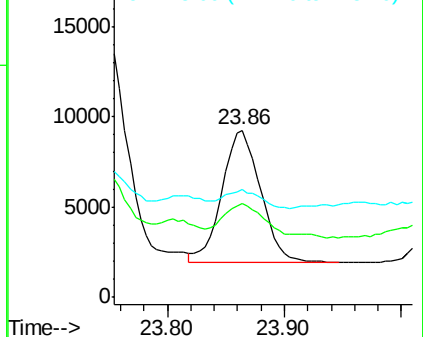
252 100

253 56.2 28.5 42.7#

125 64.6 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: 0.36 ng/ul

RT: 26.69 min Scan# 4363

Delta R.T. 0.02 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

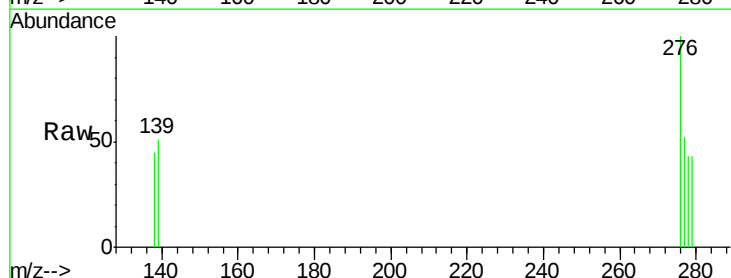
Tgt Ion:276 Resp: 12727

Ion Ratio Lower Upper

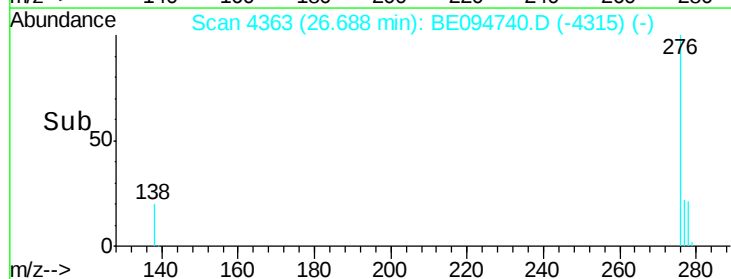
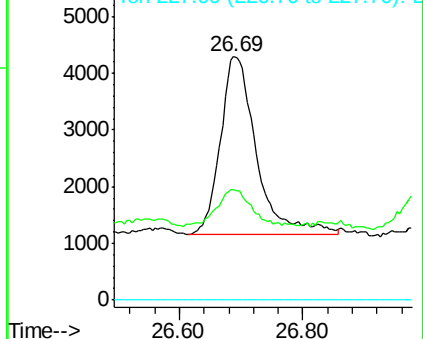
276 100

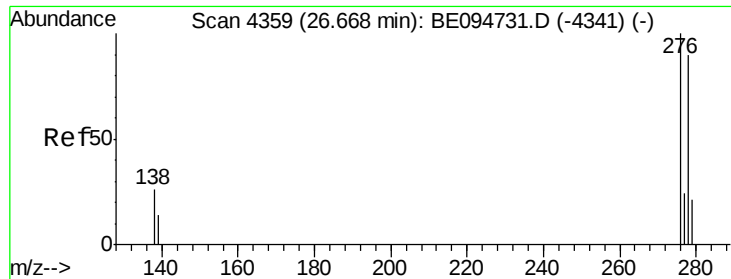
138 20.9 28.0 42.0#

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: 0.12 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. 0.01 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MSD

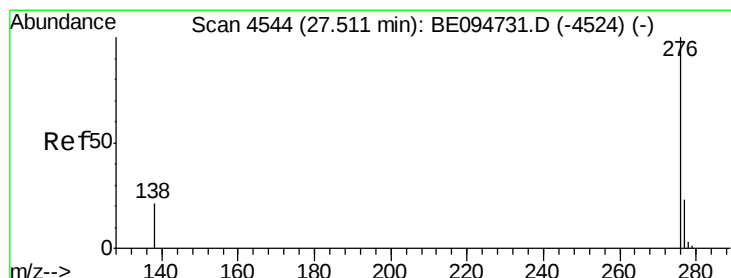
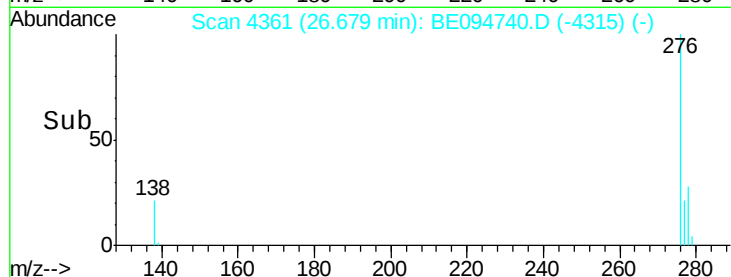
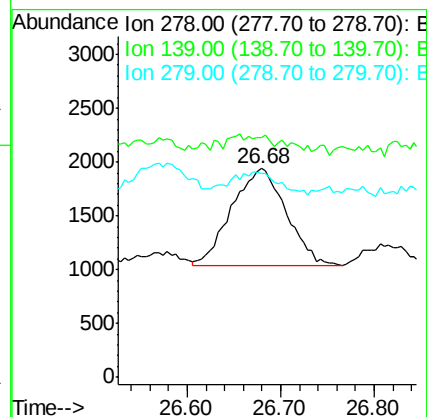
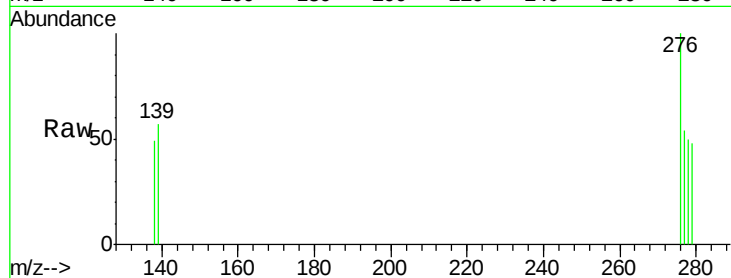
Tot Ion:278 Resp: 3620

Ion Ratio Lower Upper

278 100

139 115.1 17.4 26.0#

279 97.6 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.51 ng/ul

RT: 27.55 min Scan# 4552

Delta R.T. 0.04 min

Lab File: BE094740.D

Acq: 4 Nov 2017 10:29

Tgt Ion:276 Resp: 14330

Ion Ratio Lower Upper

276 100

138 44.6 21.8 32.8#

277 50.7 20.5 30.7#

