

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094704.D
 Acq On : 3 Nov 2017 13:12
 Operator : SJ/JU
 Sample : I5825-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-67(2.5-3.8)-101017

Quant Time: Nov 03 23:58:42 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 23:54:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1551	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.68	136	9525	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	7030	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	10511	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	9955	0.40	ng/ul	-0.01
20) Perylene-d12	23.96	264	10352	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.25	152	2589	0.17	ng/ul	-0.05
14) Fluoranthene-d10	19.28	212	1401	0.04	ng/ul	-0.01

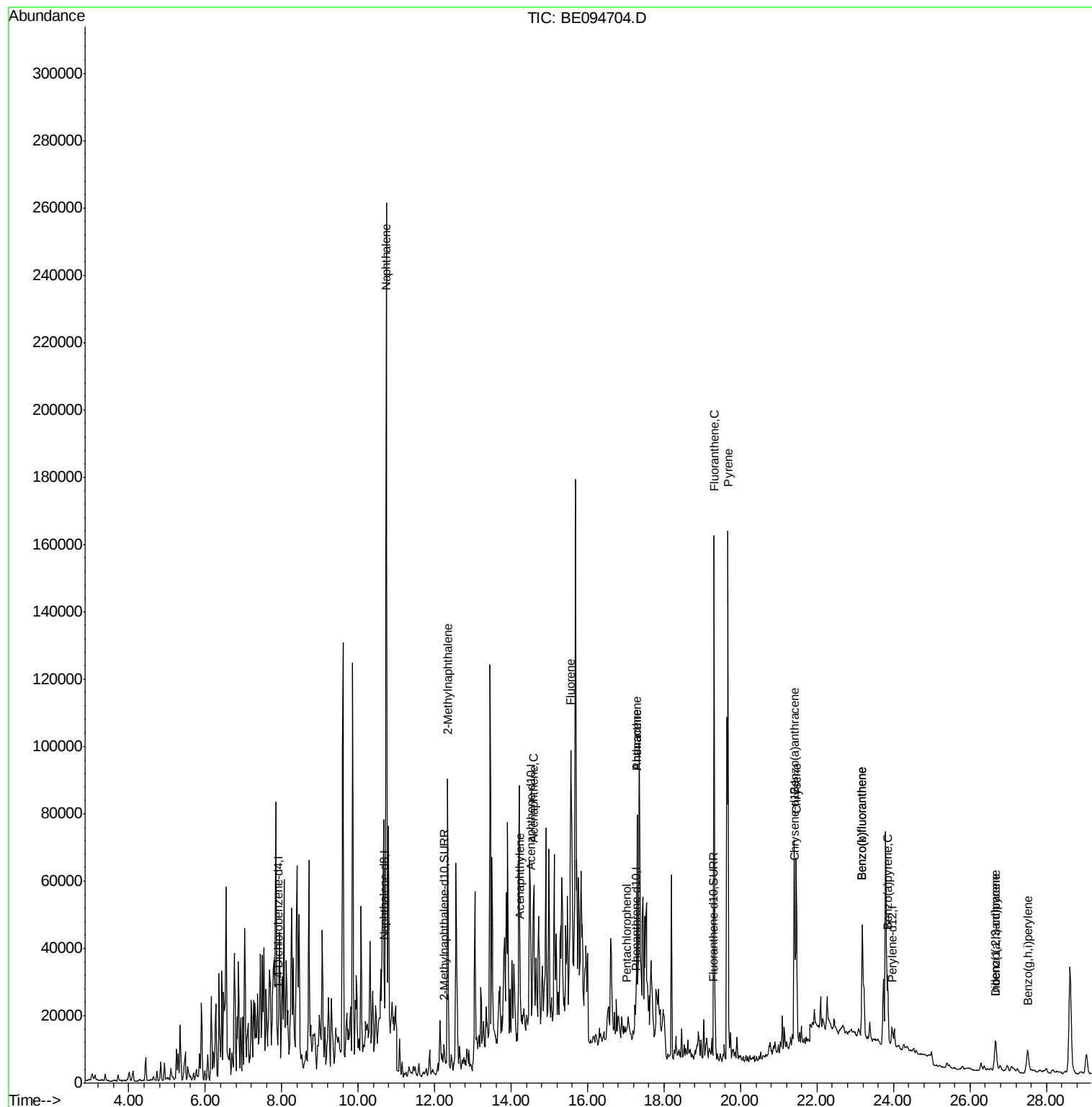
Target Compounds				Ovalue		
3) Naphthalene	10.73	128	386532	16.60	ng/ul#	94
5) 2-Methylnaphthalene	12.34	142	66362	4.07	ng/ul	100
7) Acenaphthylene	14.23	152	9510	0.30	ng/ul#	1
8) Acenaphthene	14.57	153	22837	1.00	ng/ul#	78
9) Fluorene	15.56	166	54261	2.11	ng/ul#	85
11) Pentachlorophenol	17.03	266	323	0.62	ng/ul#	56
12) Phenanthrene	17.29	178	95052	3.42	ng/ul	97
13) Anthracene	17.29	178	78342	2.86	ng/ul	98
15) Fluoranthene	19.31	202	181665	5.66	ng/ul	84
17) Pyrene	19.67	202	172758	5.61	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	56688	1.99	ng/ul#	92
19) Chrysene	21.46	228	64263	2.18	ng/ul#	91
21) Benzo(b)fluoranthene	23.18	252	82547	2.83	ng/ul#	75
22) Benzo(k)fluoranthene	23.18	252	82547	2.65	ng/ul#	76
23) Benzo(a)pyrene	23.85	252	34206	1.18	ng/ul#	71
24) Indeno(1,2,3-cd)pyrene	26.67	276	20267	0.67	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.66	278	5905	0.23	ng/ul#	29
26) Benzo(g,h,i)perylene	27.52	276	16019	0.66	ng/ul#	77

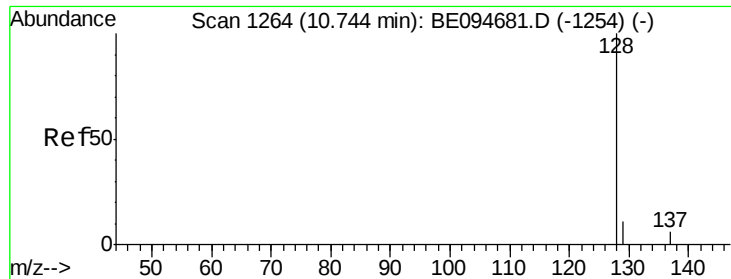
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 16.60 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

BNA_E

ClientSampleId :

B-67(2.5-3.8)-101017

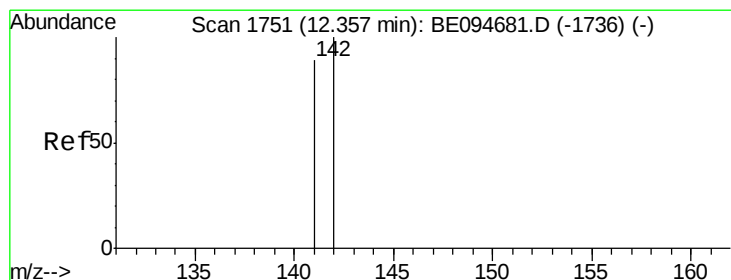
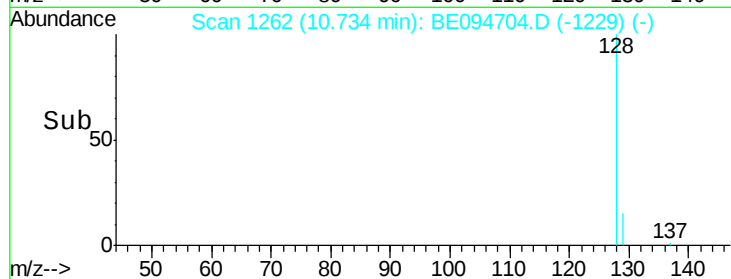
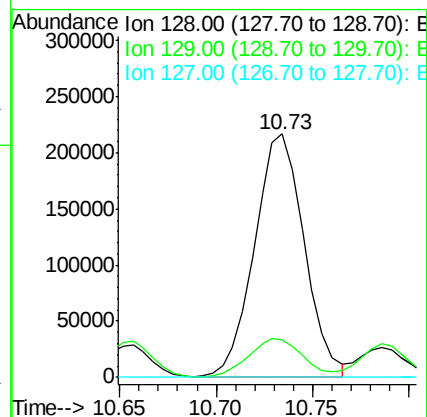
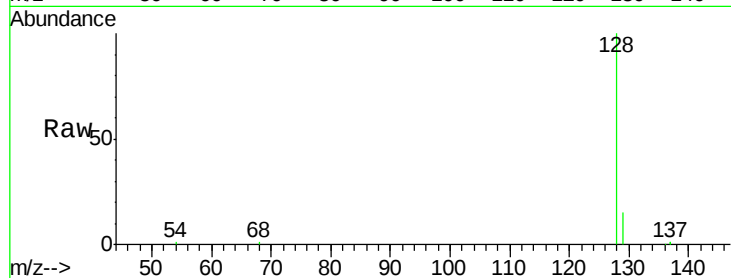
Tot Ion:128 Resp: 386532

Ion Ratio Lower Upper

128 100

129 15.5 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 4.07 ng/ul

RT: 12.34 min Scan# 1745

Delta R.T. -0.04 min

Lab File: BE094704.D

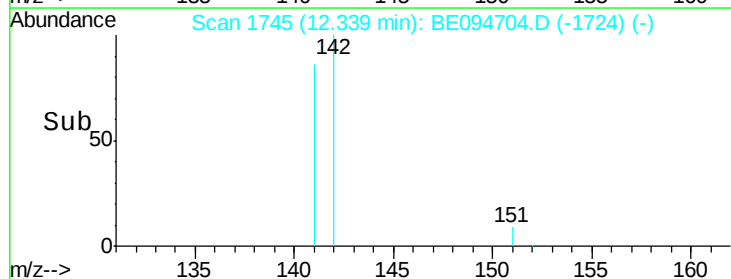
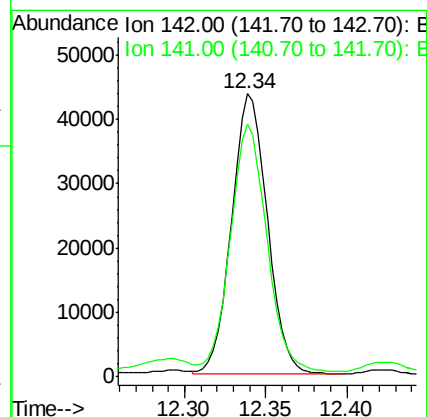
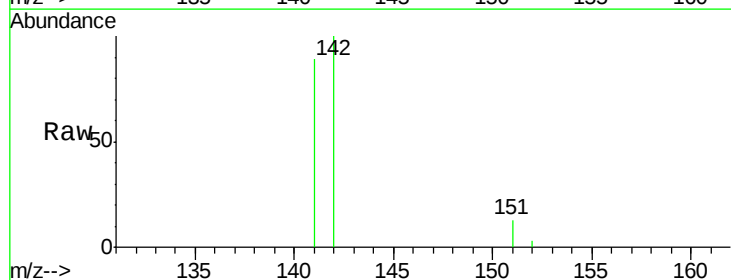
Acq: 3 Nov 2017 13:12

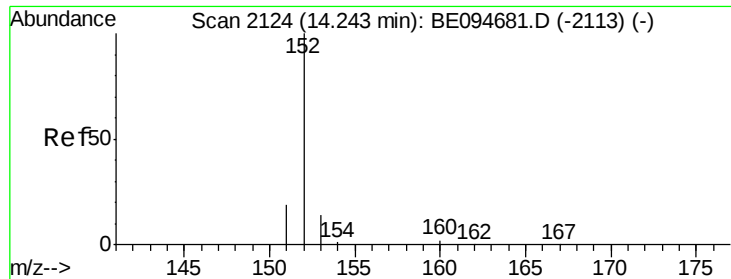
Tgt Ion:142 Resp: 66362

Ion Ratio Lower Upper

142 100

141 90.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.30 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

BNA_E

ClientSampleId :

B-67(2.5-3.8)-101017

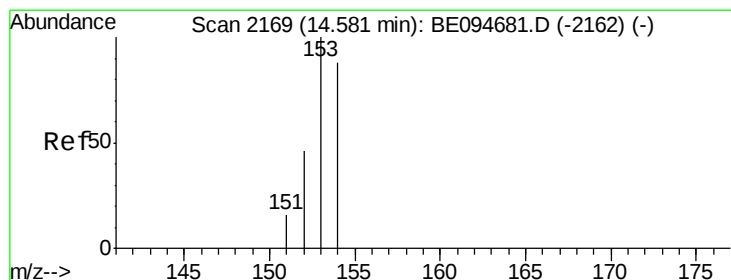
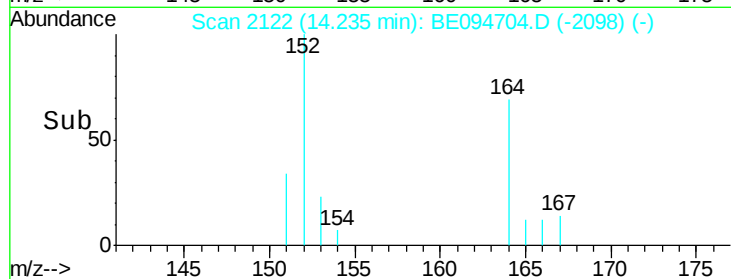
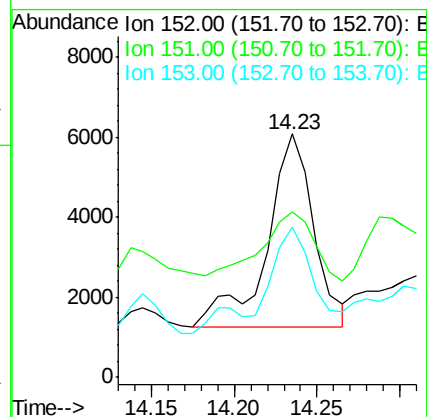
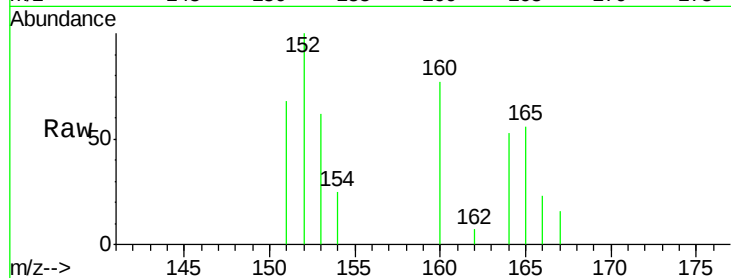
Tot Ion:152 Resp: 9510

Ion Ratio Lower Upper

152 100

151 67.8 17.1 25.7#

153 61.7 12.8 19.2#



#8

Acenaphthene

Concen: 1.00 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

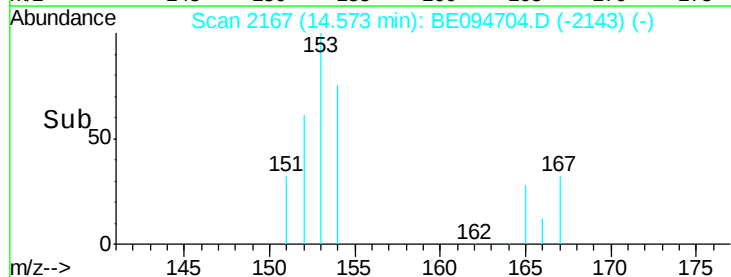
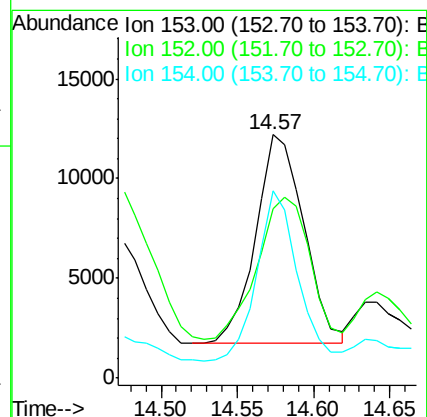
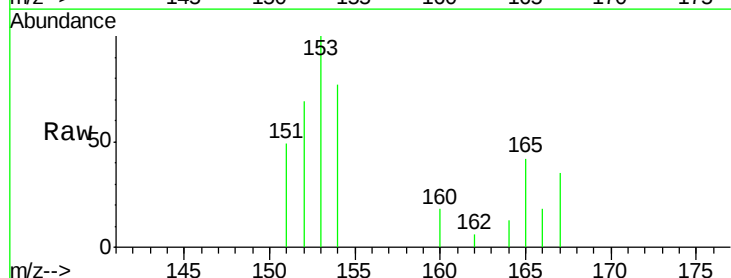
Tgt Ion:153 Resp: 22837

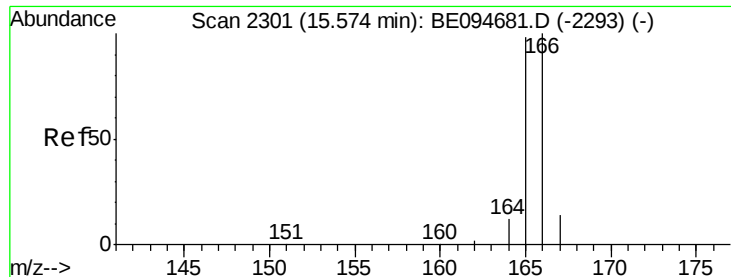
Ion Ratio Lower Upper

153 100

152 69.4 36.0 54.0#

154 76.7 72.0 108.0





#9

Fluorene

Concen: 2.11 ng/ul

RT: 15.56 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

BNA_E

ClientSampleId :

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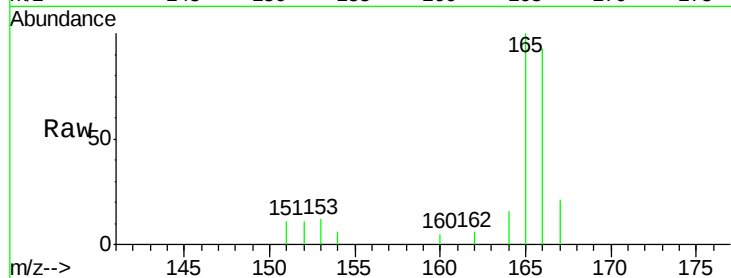
Tot Ion:166 Resp: 54261

Ion Ratio Lower Upper

166 100

165 107.0 73.4 110.2

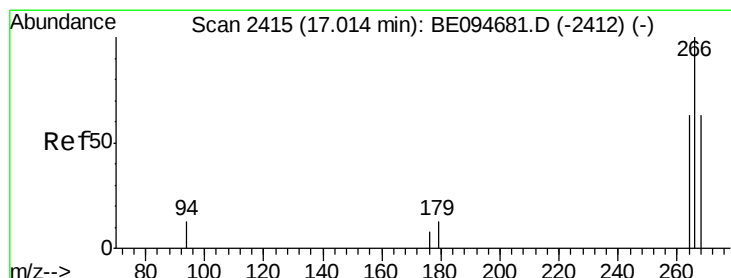
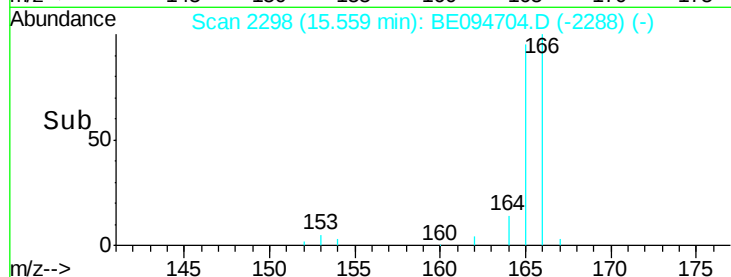
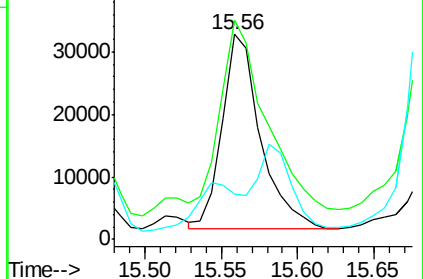
167 22.3 14.6 22.0#



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: 0.62 ng/ul

RT: 17.03 min Scan# 2415

Delta R.T. -0.07 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

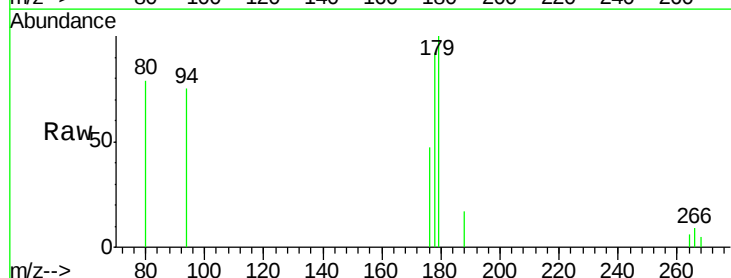
Tgt Ion:266 Resp: 323

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

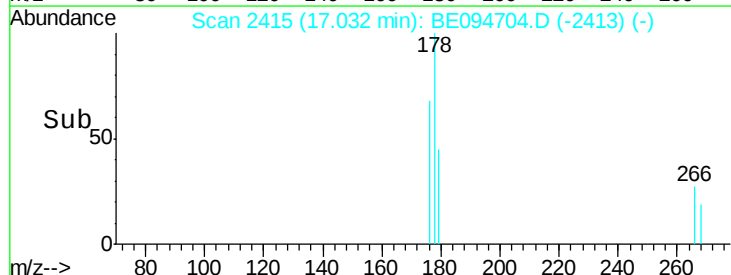
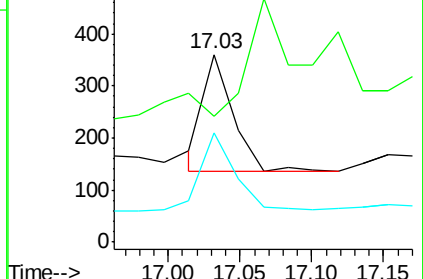
268 69.3 49.8 74.8

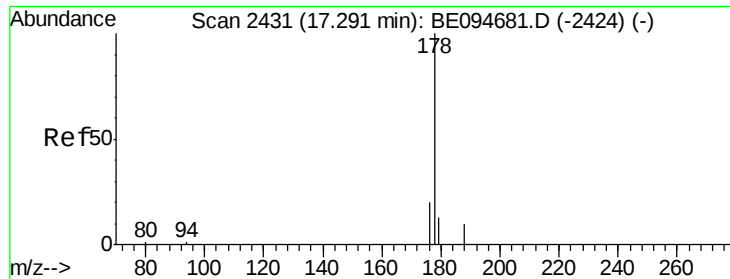


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.42 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

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ClientSampleId :

B-67(2.5-3.8)-101017

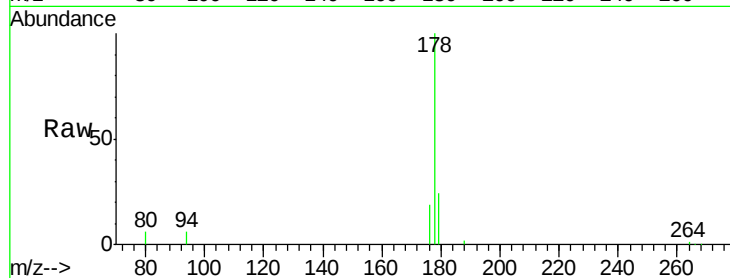
Tot Ion:178 Resp: 95052

Ion Ratio Lower Upper

178 100

179 23.8 18.4 27.6

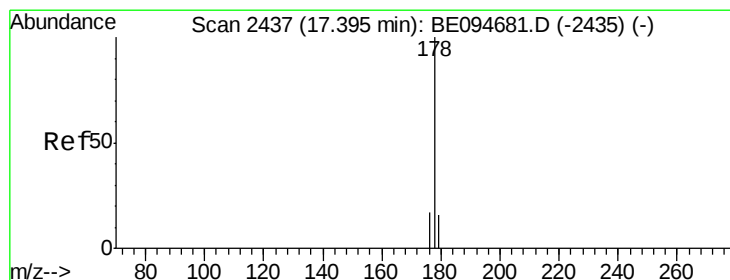
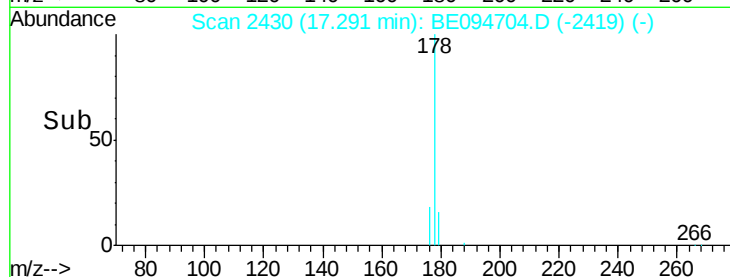
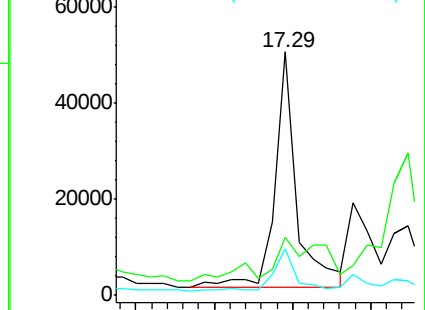
176 19.1 13.6 20.4



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: 2.86 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.12 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

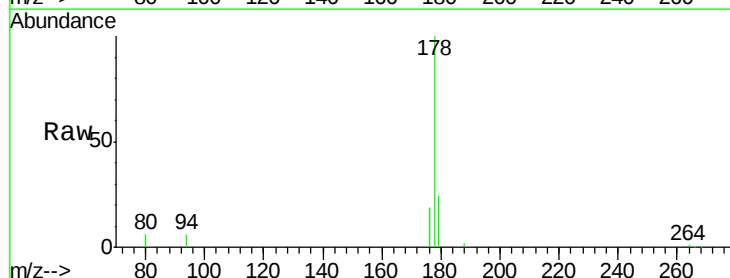
Tgt Ion:178 Resp: 78342

Ion Ratio Lower Upper

178 100

179 23.8 18.1 27.1

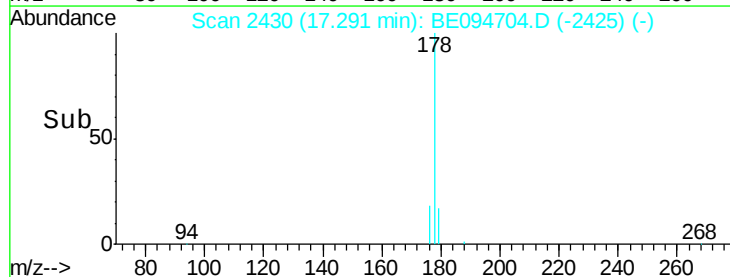
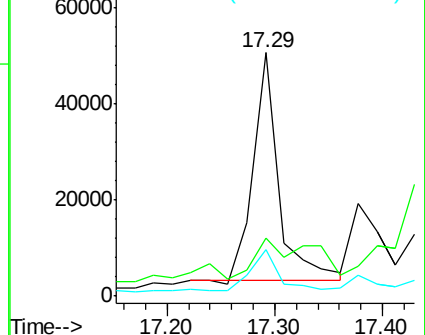
176 19.1 14.7 22.1

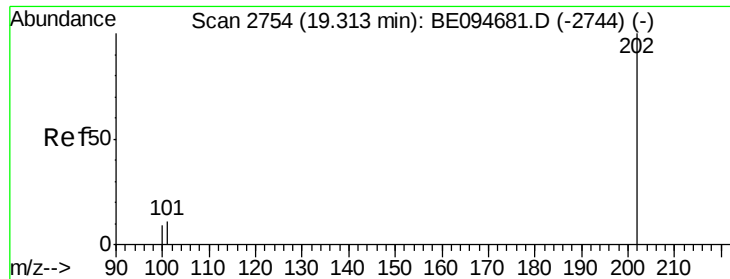


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 5.66 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

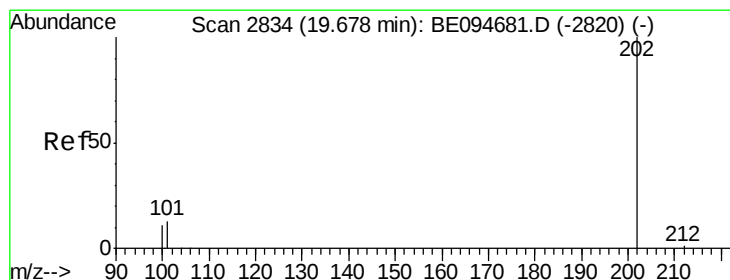
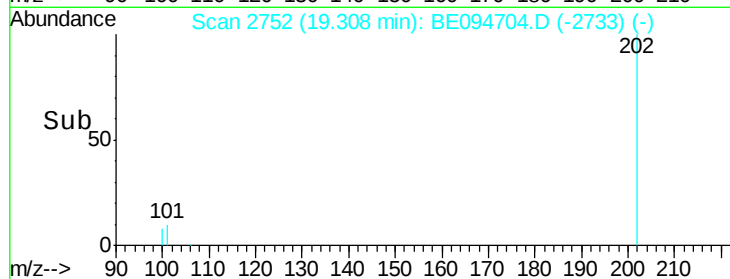
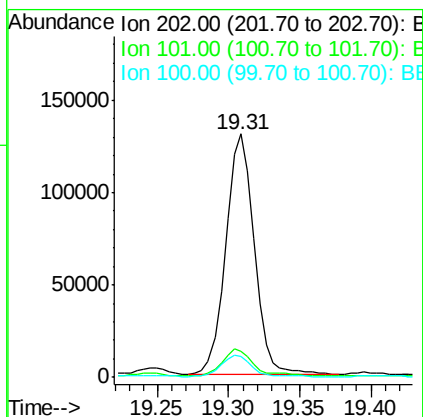
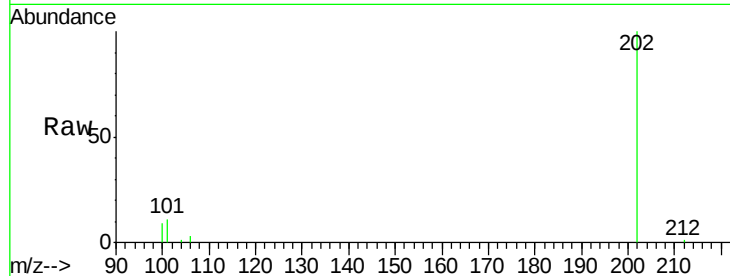
Instrument :

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Tot Ion:	202	Resp:	181665
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	30.3
100	8.6	0.0	39.5



#17

Pyrene

Concen: 5.61 ng/ul

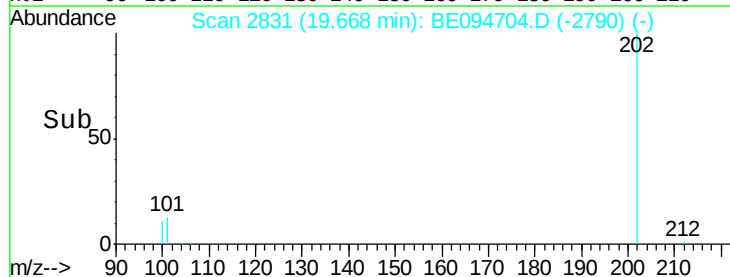
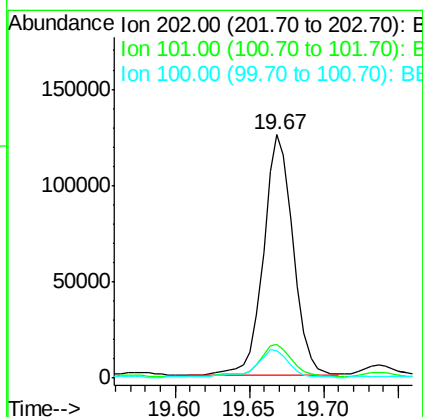
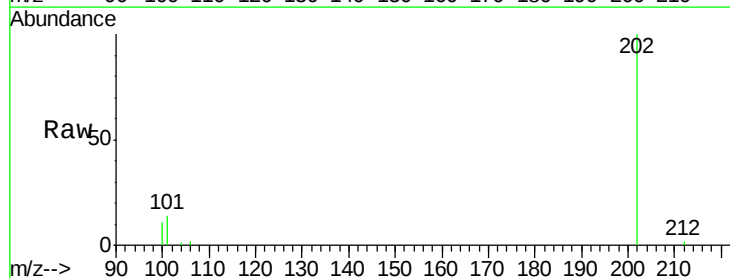
RT: 19.67 min Scan# 2831

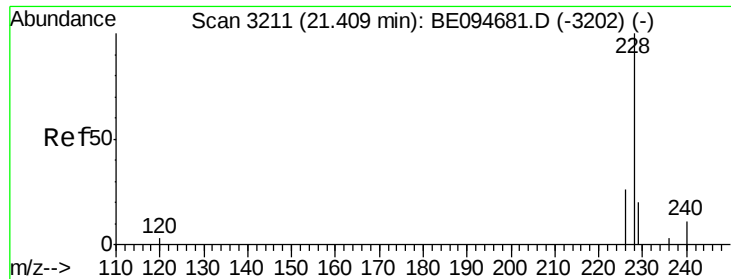
Delta R.T. -0.01 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Tgt Ion:	202	Resp:	172758
Ion Ratio	Lower	Upper	
202	100		
101	13.9	18.2	27.4#
100	11.3	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 1.99 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

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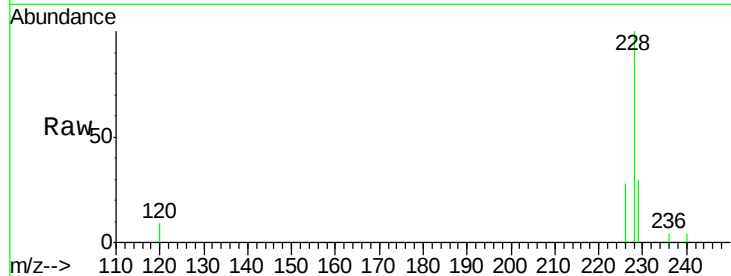
Tot Ion:228 Resp: 56688

Ion Ratio Lower Upper

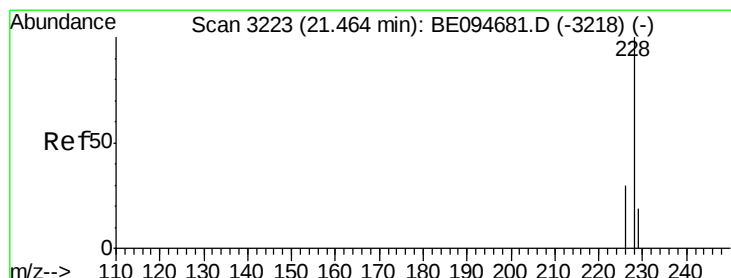
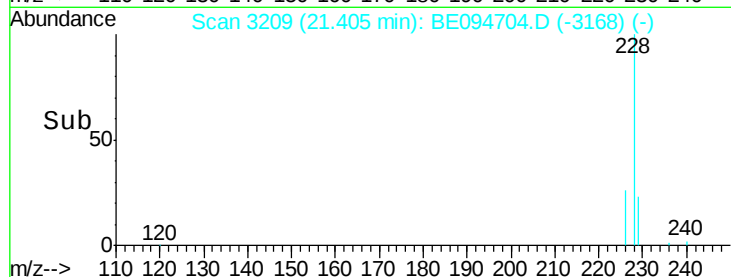
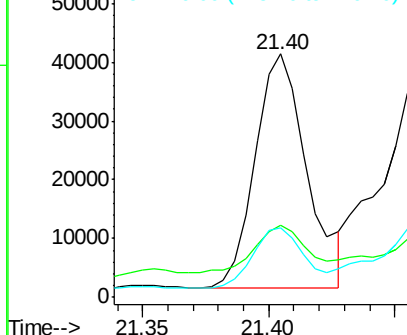
228 100

229 29.6 22.8 34.2

226 28.5 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 2.18 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

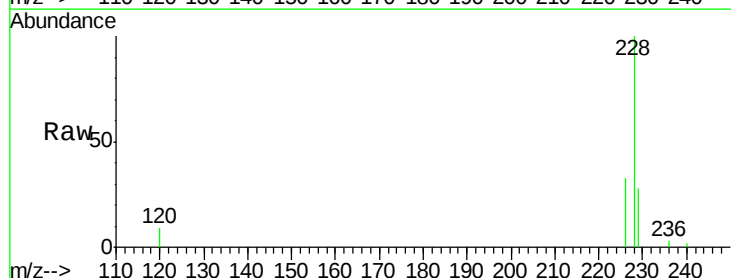
Tgt Ion:228 Resp: 64263

Ion Ratio Lower Upper

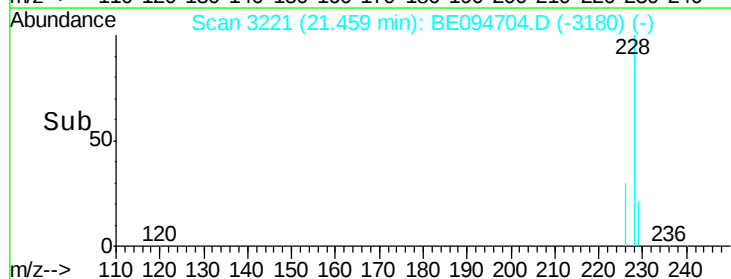
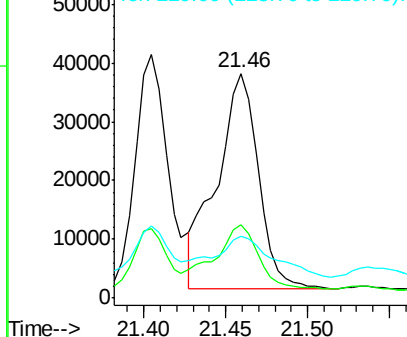
228 100

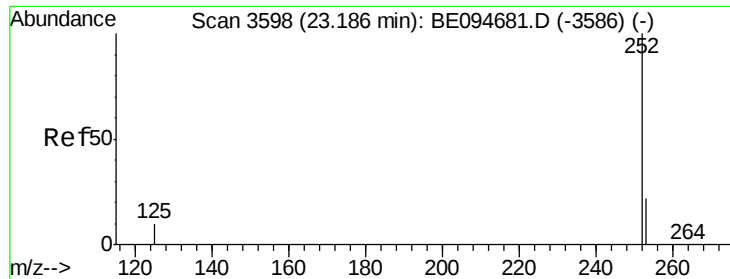
226 32.5 23.4 35.0

229 27.8 17.7 26.5#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 2.83 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

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B-67(2.5-3.8)-101017

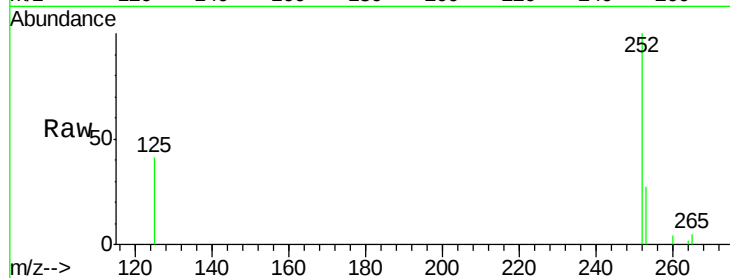
Tot Ion:252 Resp: 82547

Ion Ratio Lower Upper

252 100

253 26.9 0.0 64.2

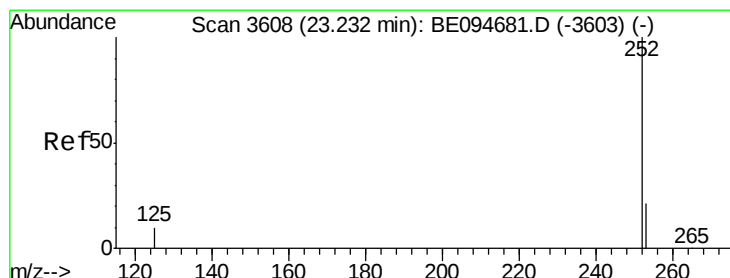
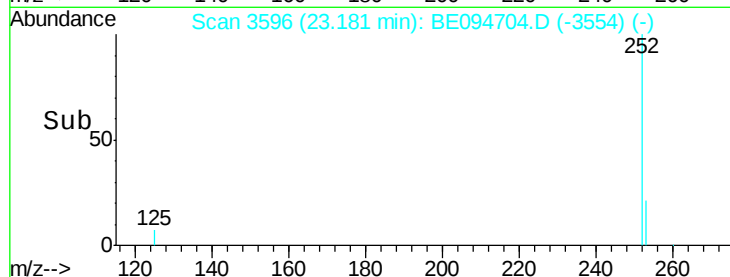
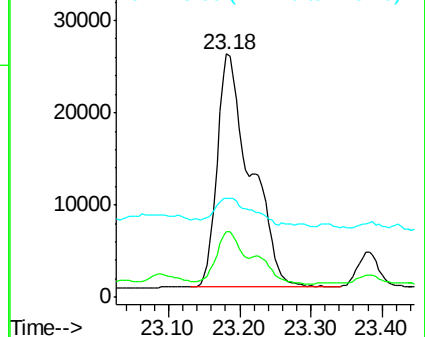
125 40.7 0.0 35.0#



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: 2.65 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

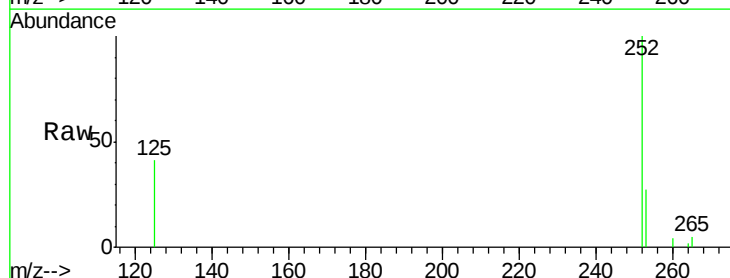
Tgt Ion:252 Resp: 82547

Ion Ratio Lower Upper

252 100

253 26.9 24.5 36.7

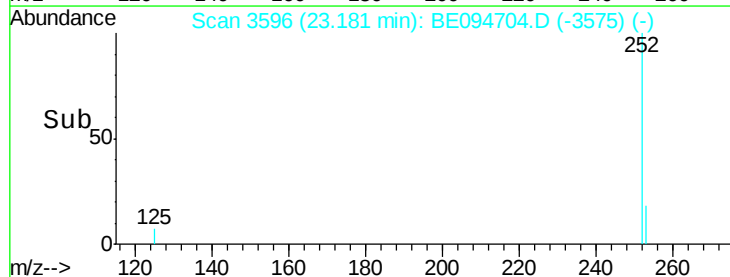
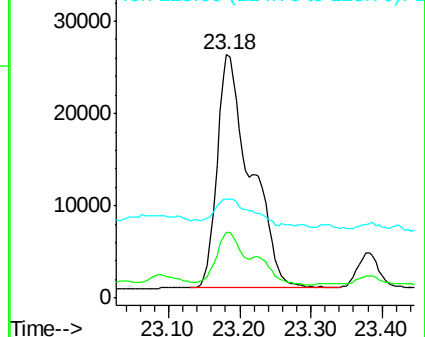
125 40.7 13.7 20.5#

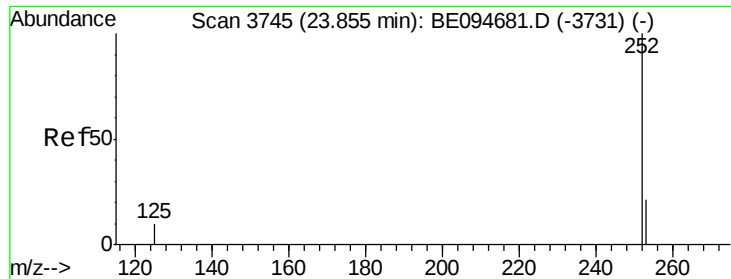


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.18 ng/ul

RT: 23.85 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

BNA_E

ClientSampleId :

B-67(2.5-3.8)-101017

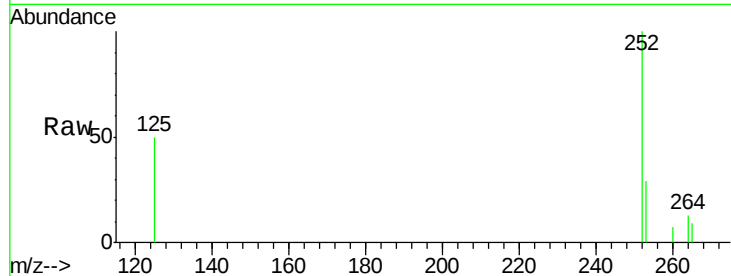
Tot Ion:252 Resp: 34206

Ion Ratio Lower Upper

252 100

253 28.8 28.5 42.7

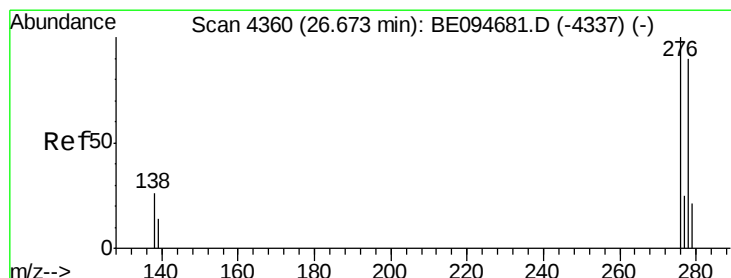
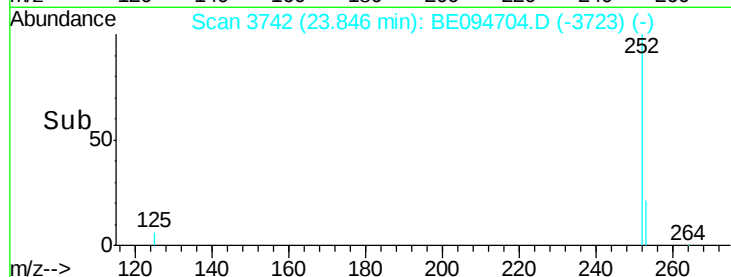
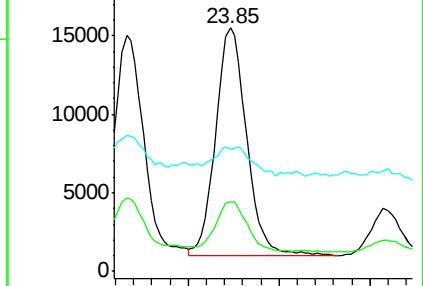
125 50.3 18.1 27.1#



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: 0.67 ng/ul

RT: 26.67 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

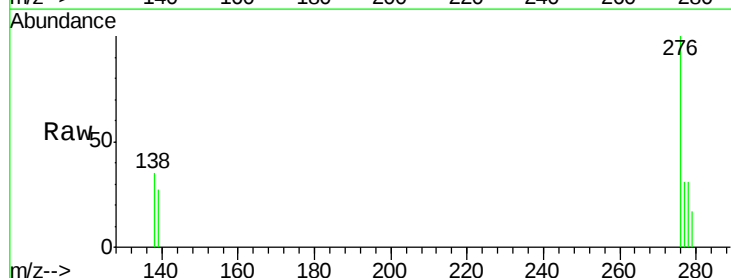
Tgt Ion:276 Resp: 20267

Ion Ratio Lower Upper

276 100

138 20.6 28.0 42.0#

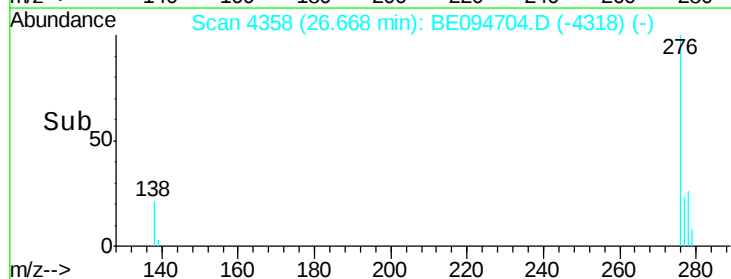
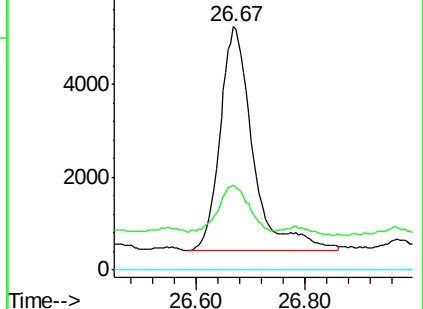
227 0.0 8.0 12.0#

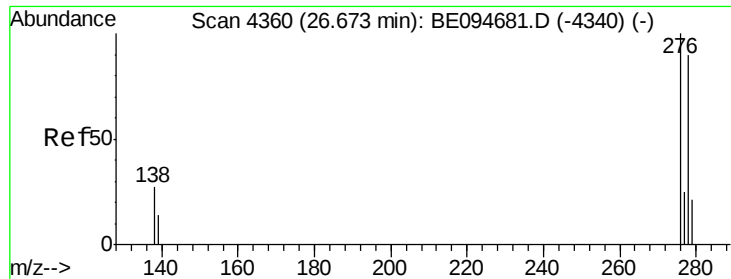


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.23 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. -0.01 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

Instrument :

BNA_E

ClientSampleId :

B-67(2.5-3.8)-101017

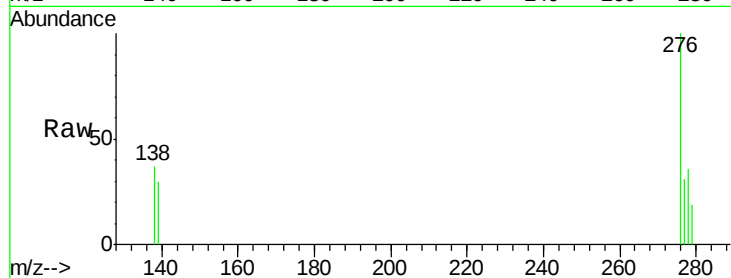
Tot Ion:278 Resp: 5905

Ion Ratio Lower Upper

278 100

139 82.4 17.4 26.0#

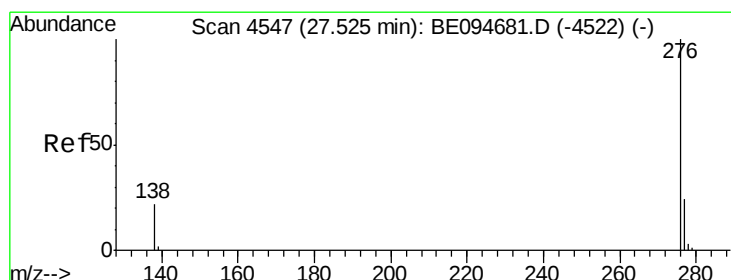
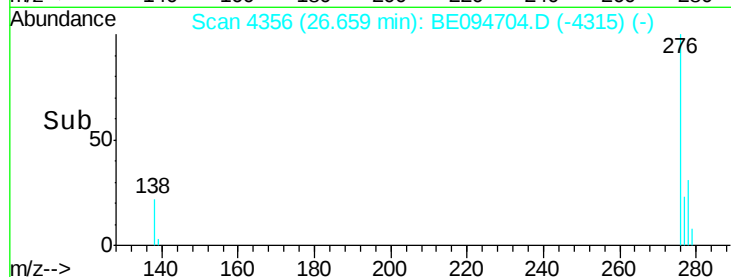
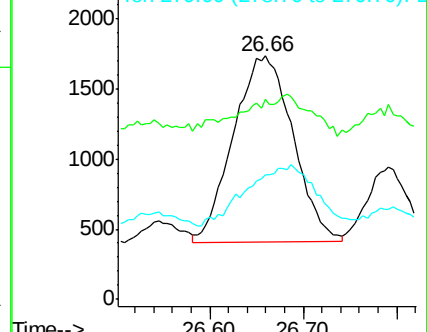
279 51.1 25.9 38.9#



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: 0.66 ng/ul

RT: 27.52 min Scan# 4544

Delta R.T. -0.00 min

Lab File: BE094704.D

Acq: 3 Nov 2017 13:12

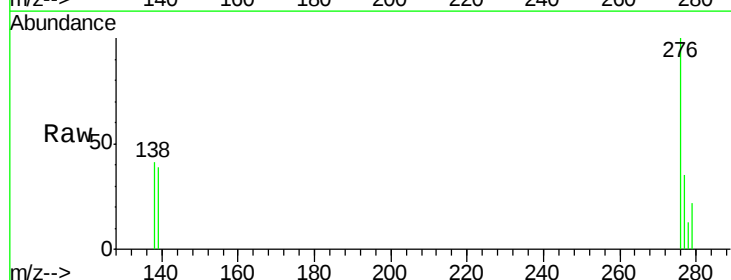
Tgt Ion:276 Resp: 16019

Ion Ratio Lower Upper

276 100

138 40.9 21.8 32.8#

277 35.2 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

