

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094744.D
 Acq On : 4 Nov 2017 18:15
 Operator : SJ/JU
 Sample : I5825-15MSD 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-19(0-1)-101117MSD

Quant Time: Nov 06 00:36:11 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:30:51 2017
 Response via : Initial Calibration

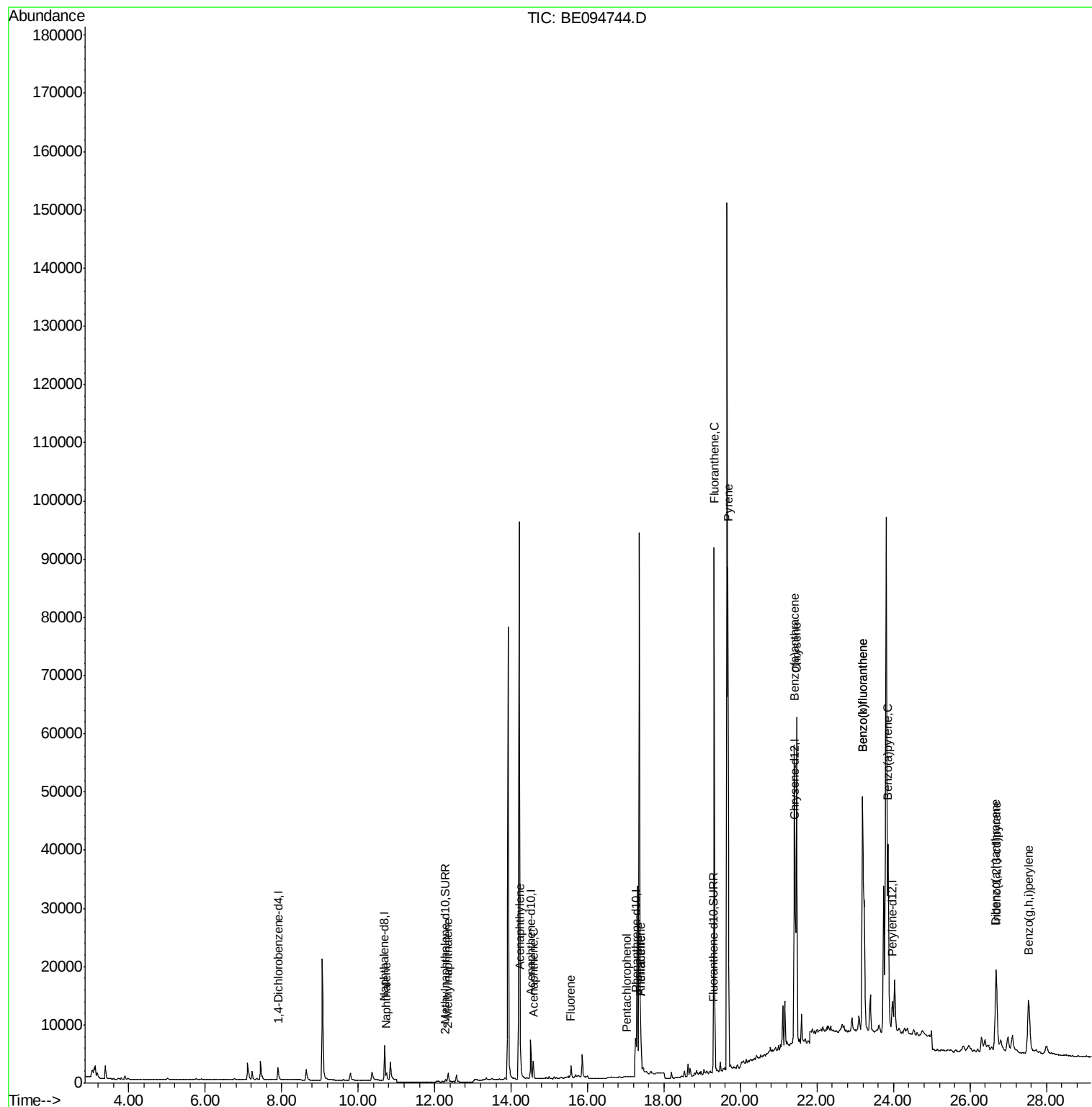
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1211	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7278	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4150	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8800	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8607	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9216	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	798	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1782	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	1886	0.11	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	1654	0.13	ng/ul	98
7) Acenaphthylene	14.24	152	4170	0.22	ng/ul	99
8) Acenaphthene	14.58	153	1962	0.15	ng/ul	97
9) Fluorene	15.57	166	1459	0.10	ng/ul#	87
11) Pentachlorophenol	17.03	266	30	0.07	ng/ul#	20
12) Phenanthrene	17.39	178	6221	0.27	ng/ul	98
13) Anthracene	17.39	178	7536	0.33	ng/ul	99
15) Fluoranthene	19.31	202	102168	3.80	ng/ul	84
17) Pyrene	19.68	202	97264	3.66	ng/ul#	78
18) Benzo(a)anthracene	21.41	228	48837	1.98	ng/ul#	89
19) Chrysene	21.47	228	59115	2.32	ng/ul	95
21) Benzo(b)fluoranthene	23.19	252	108316	4.18	ng/ul	89
22) Benzo(k)fluoranthene	23.19	252	108287	3.90	ng/ul#	91
23) Benzo(a)pyrene	23.86	252	50916	1.96	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	26.69	276	32948	1.23	ng/ul#	71
25) Dibenzo(a,h)anthracene	26.67	278	7097	0.31	ng/ul#	45
26) Benzo(g,h,i)perylene	27.53	276	27979	1.30	ng/ul#	88

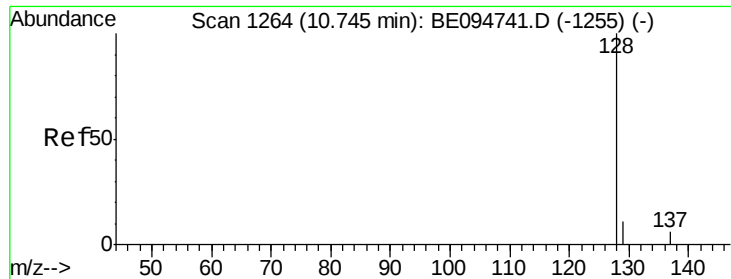
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MSD

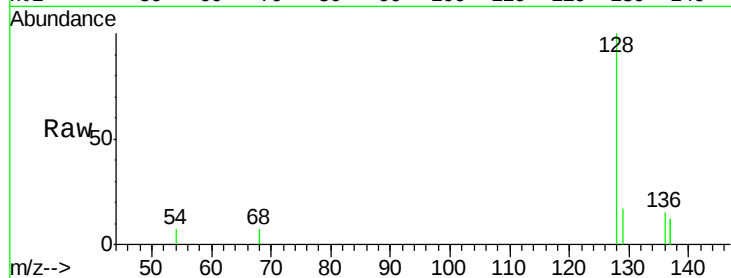
Tot Ion:128 Resp: 1886

Ion Ratio Lower Upper

128 100

129 16.7 11.3 16.9

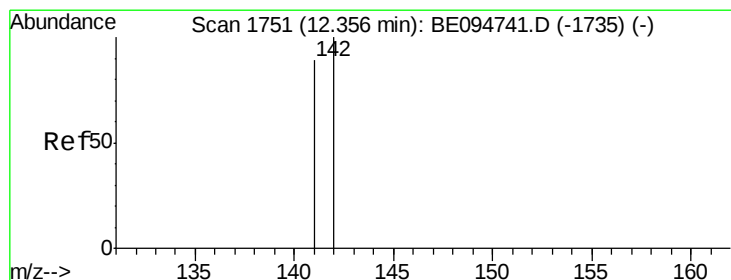
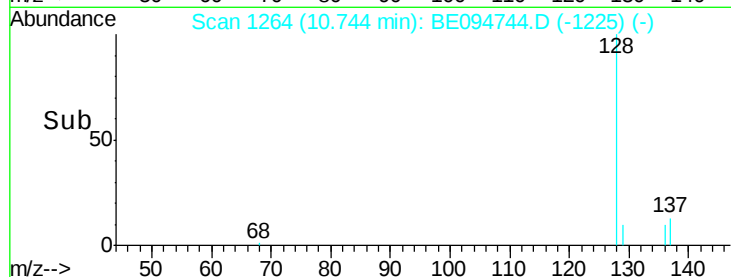
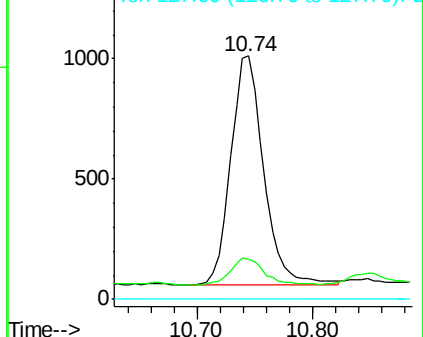
127 0.0 4.0 6.0#



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: 0.13 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BE094744.D

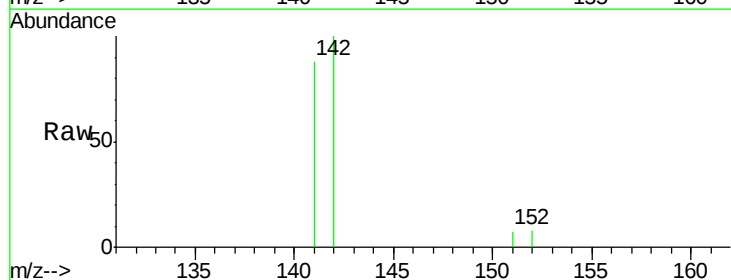
Acq: 4 Nov 2017 18:15

Tgt Ion:142 Resp: 1654

Ion Ratio Lower Upper

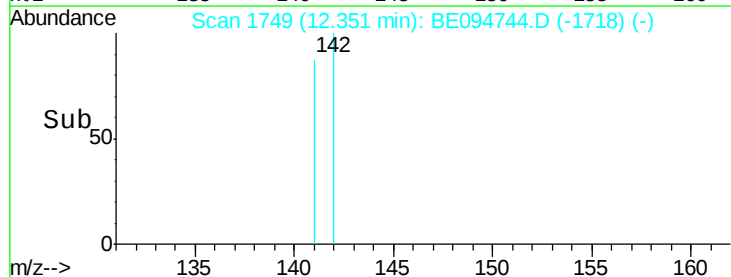
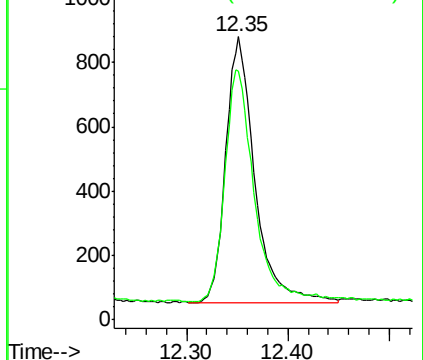
142 100

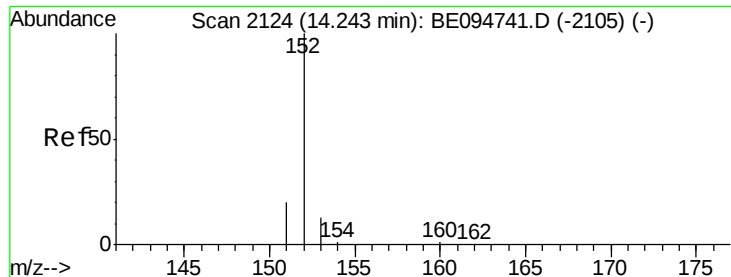
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.22 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MSD

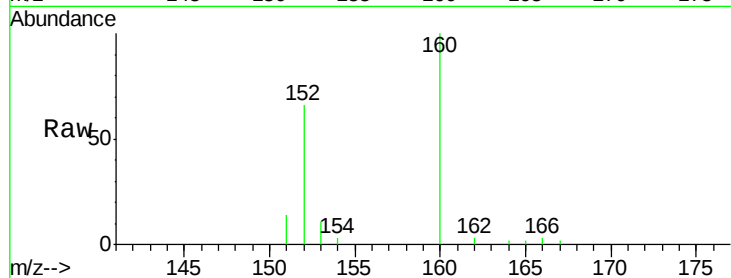
Tot Ion:152 Resp: 4170

Ion Ratio Lower Upper

152 100

151 21.8 17.1 25.7

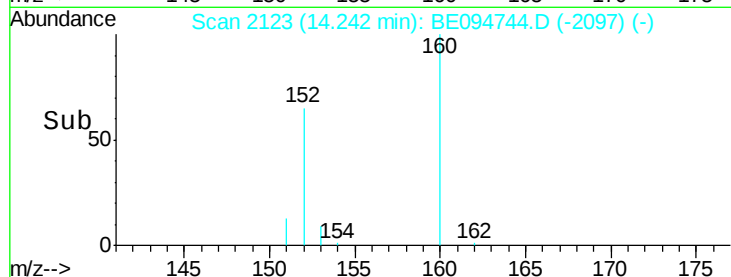
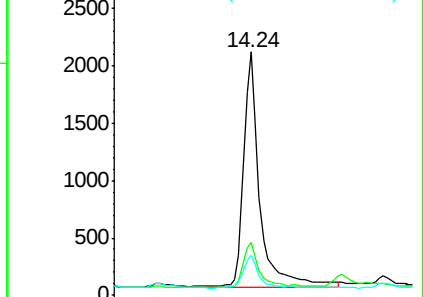
153 16.4 12.8 19.2



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: 0.15 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

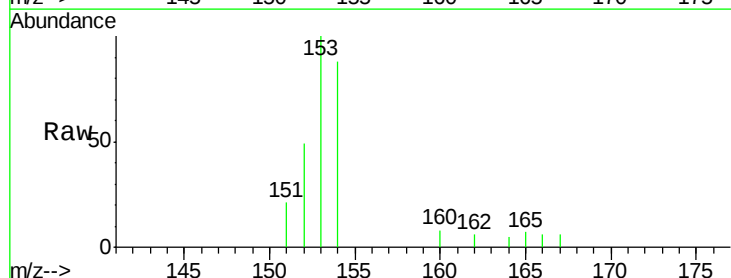
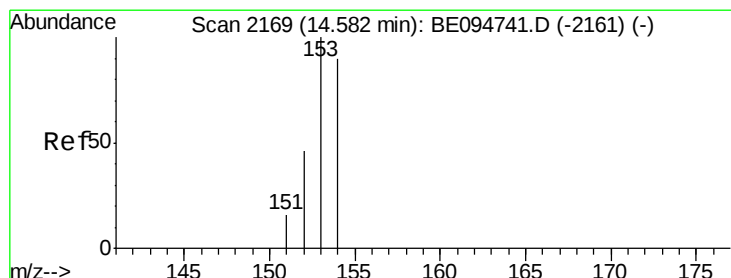
Tgt Ion:153 Resp: 1962

Ion Ratio Lower Upper

153 100

152 49.3 36.0 54.0

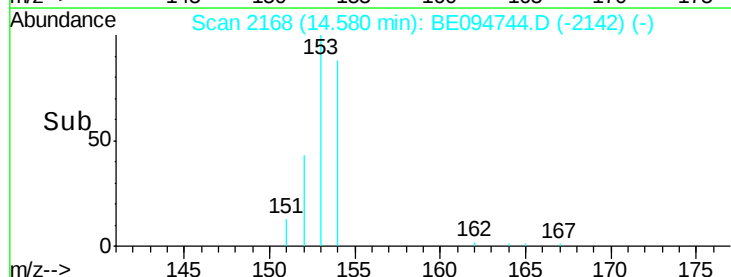
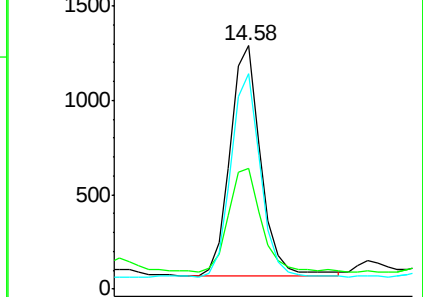
154 88.3 72.0 108.0

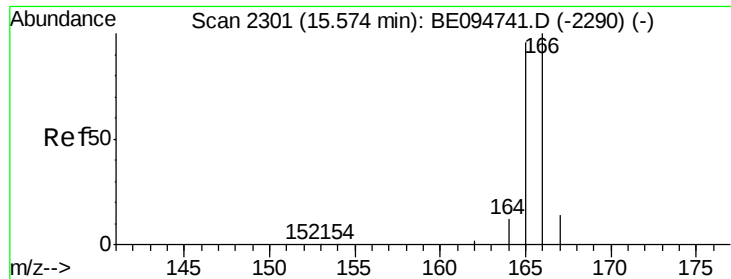


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.10 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MSD

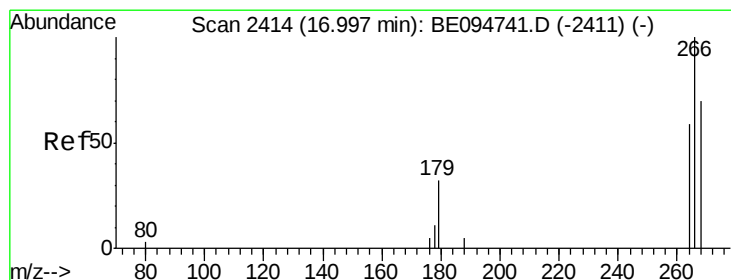
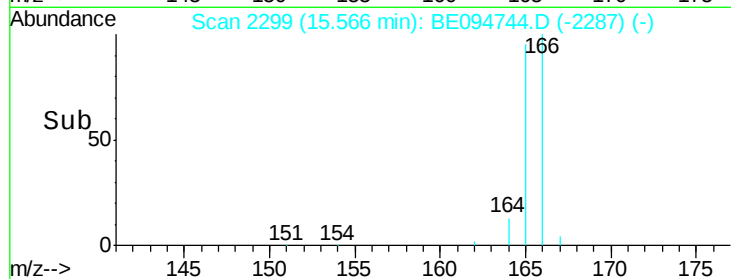
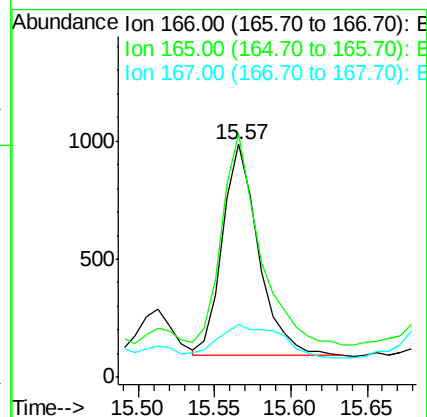
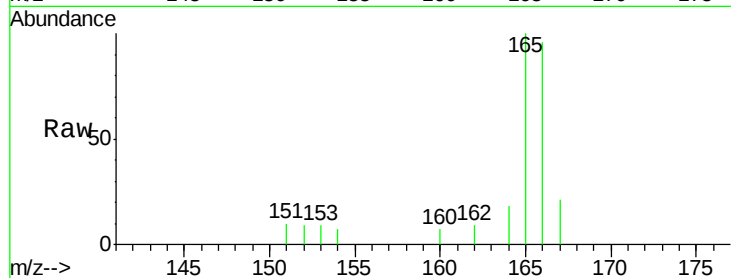
Tot Ion:166 Resp: 1459

Ion Ratio Lower Upper

166 100

165 104.5 73.4 110.2

167 22.4 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 17.03 min Scan# 2415

Delta R.T. 0.03 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

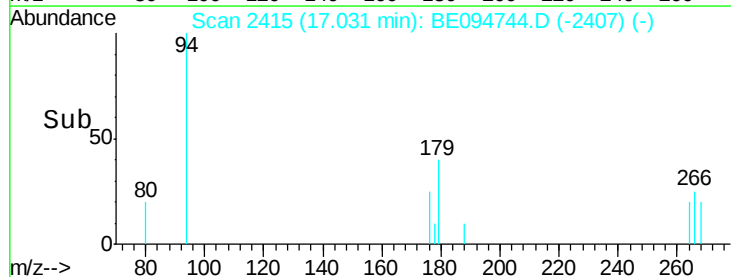
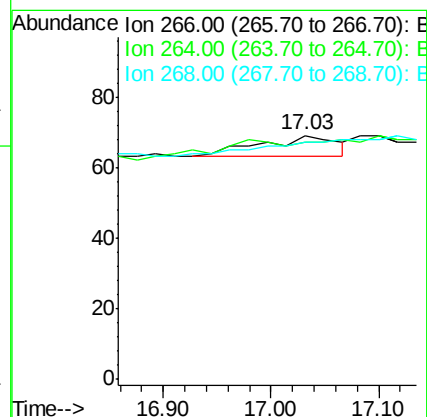
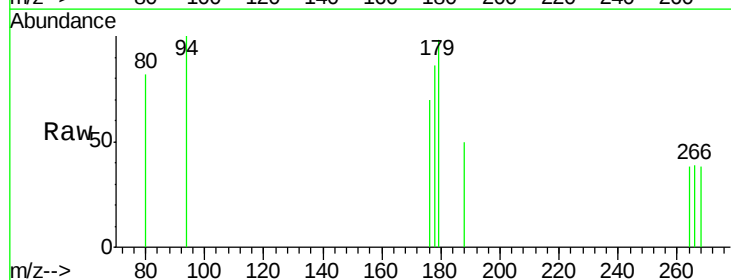
Tgt Ion:266 Resp: 30

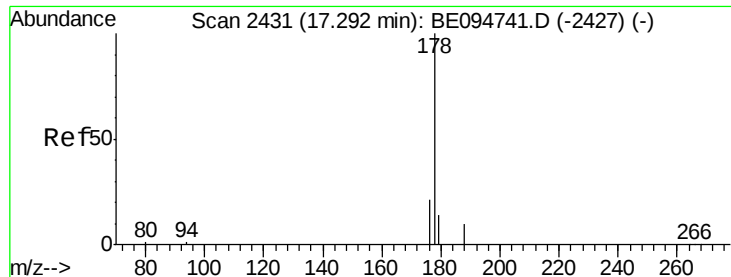
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.27 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. 0.10 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MSD

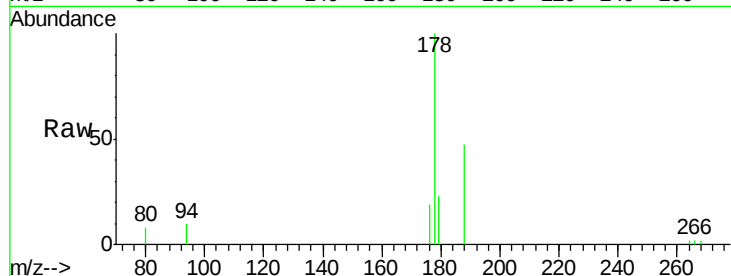
Tot Ion:178 Resp: 6221

Ion Ratio Lower Upper

178 100

179 23.0 18.4 27.6

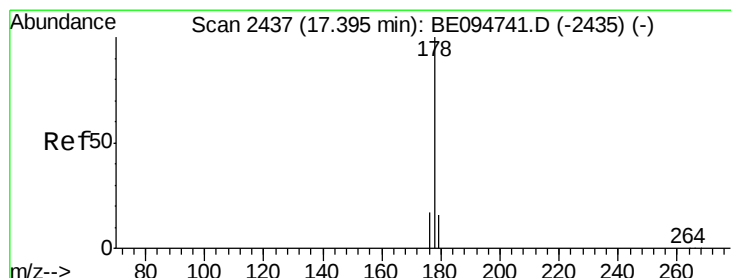
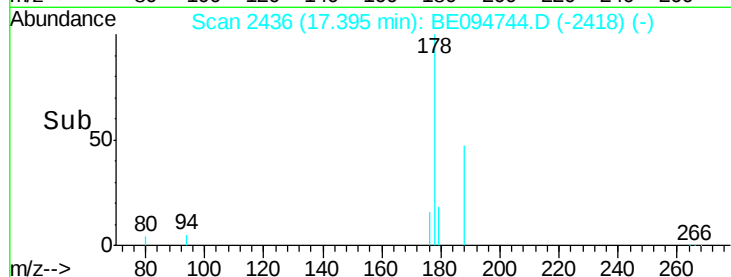
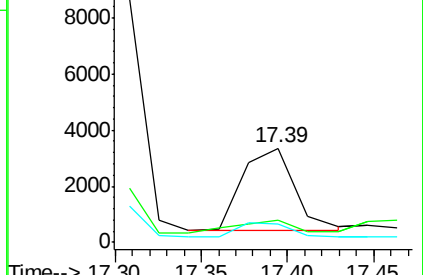
176 19.1 13.6 20.4



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: 0.33 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

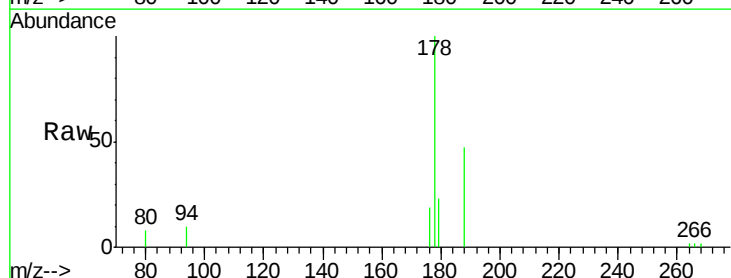
Tgt Ion:178 Resp: 7536

Ion Ratio Lower Upper

178 100

179 23.0 18.1 27.1

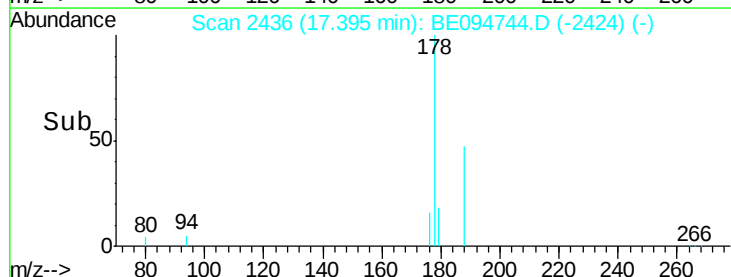
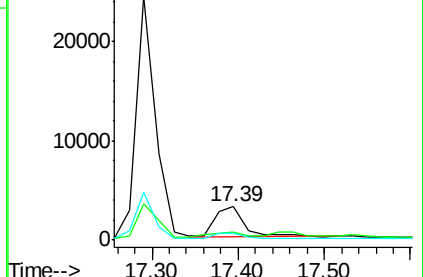
176 19.1 14.7 22.1

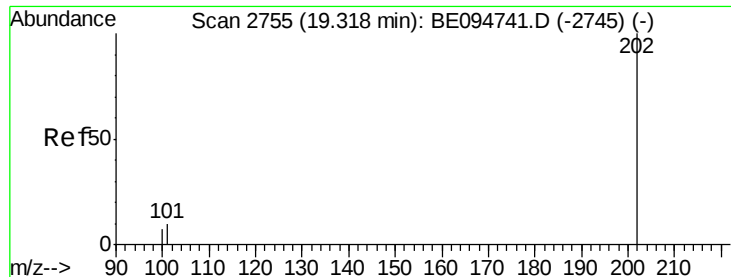


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 3.80 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MSD

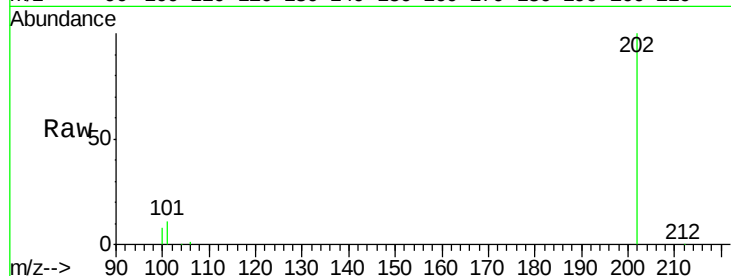
Tot Ion:202 Resp: 102168

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

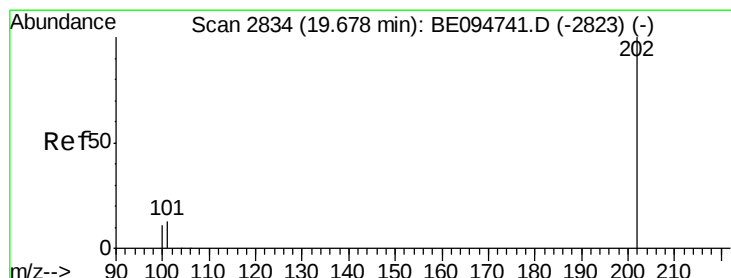
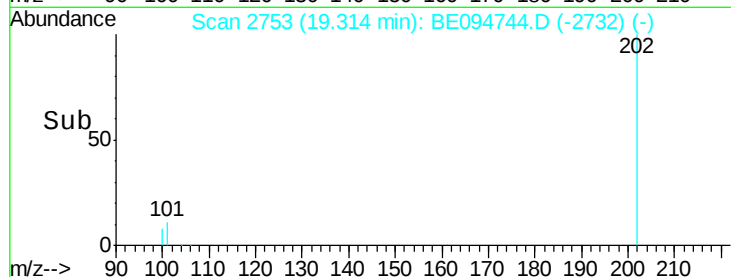
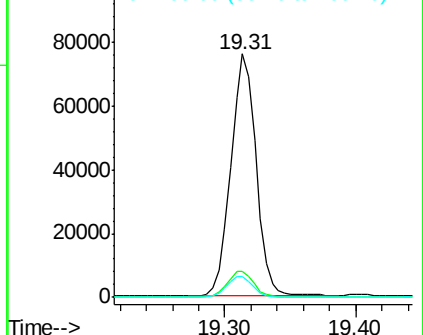
100 8.4 0.0 39.5



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: 3.66 ng/ul

RT: 19.68 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

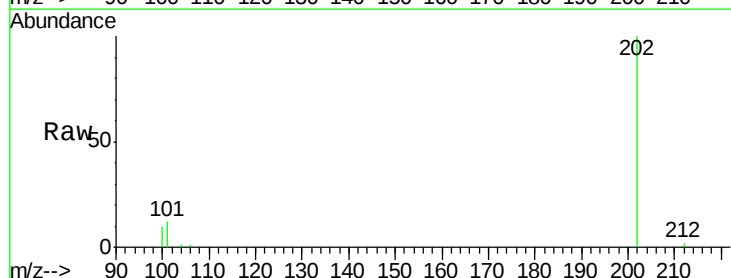
Tgt Ion:202 Resp: 97264

Ion Ratio Lower Upper

202 100

101 11.8 18.2 27.4#

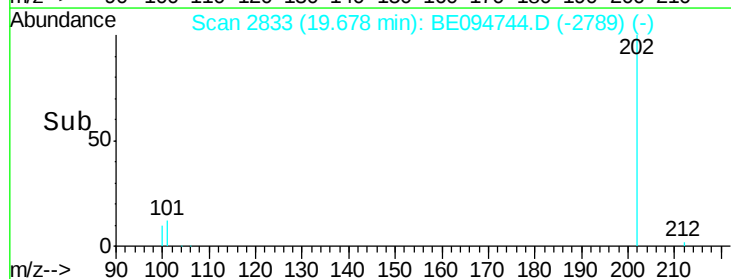
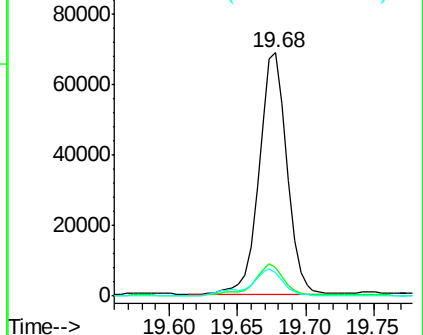
100 9.8 15.6 23.4#

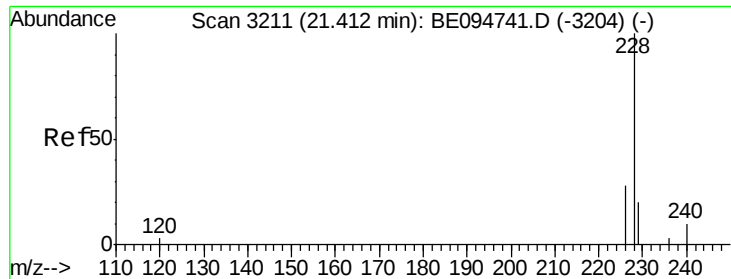


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.98 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

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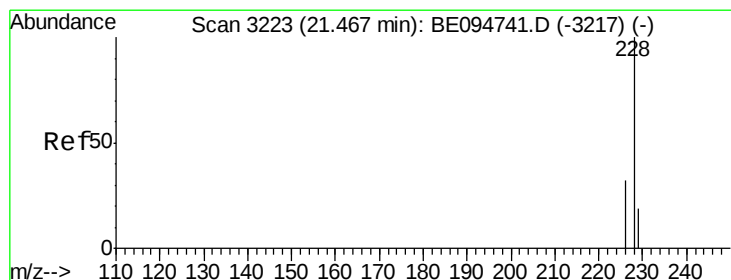
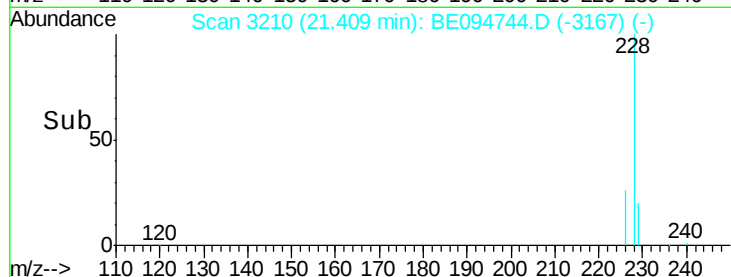
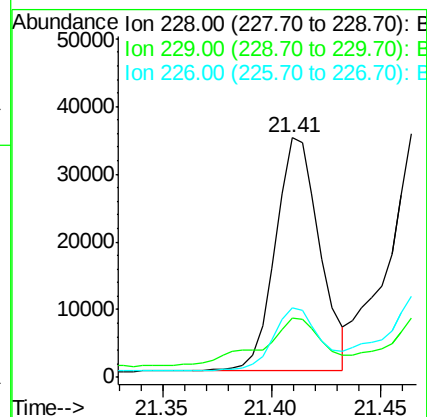
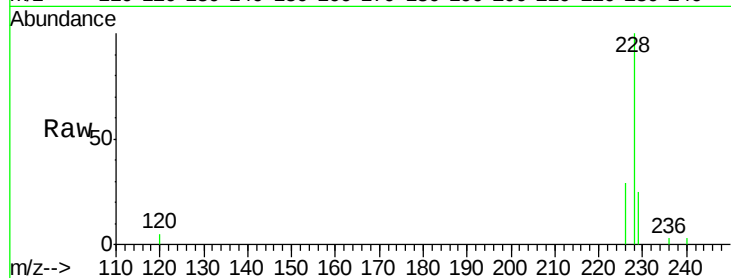
Tot Ion:228 Resp: 48837

Ion Ratio Lower Upper

228 100

229 24.9 22.8 34.2

226 28.9 17.0 25.6#



#19

Chrysene

Concen: 2.32 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. 0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

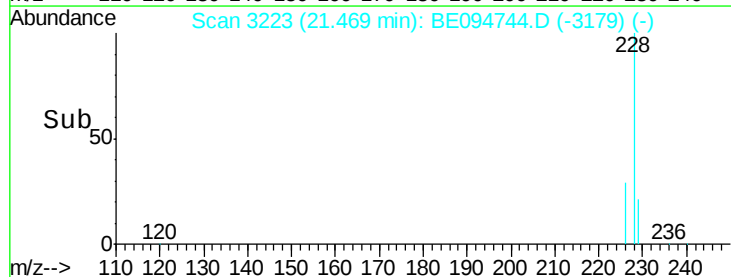
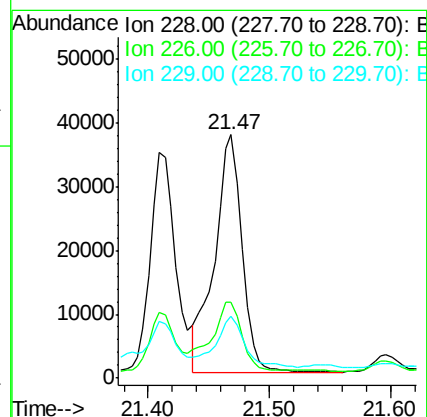
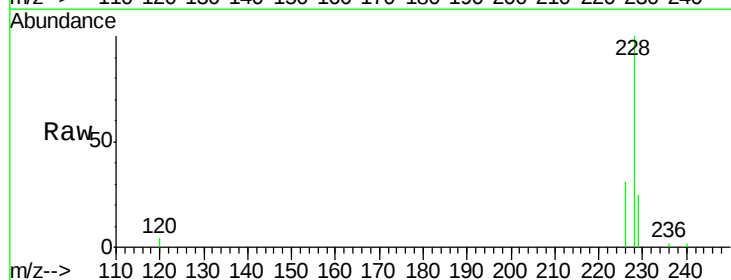
Tgt Ion:228 Resp: 59115

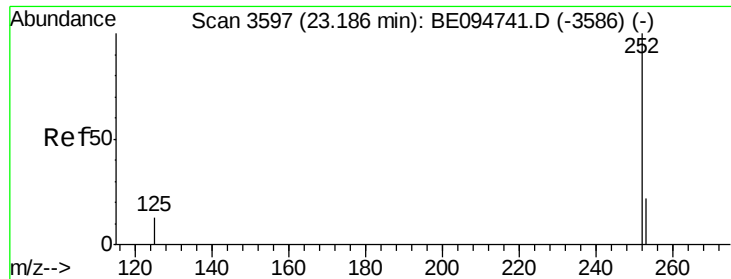
Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 25.2 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 4.18 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.01 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

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B-19(0-1)-101117MSD

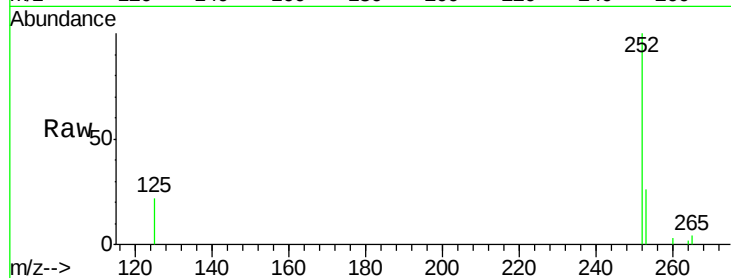
Tot Ion:252 Resp: 108316

Ion Ratio Lower Upper

252 100

253 25.8 0.0 64.2

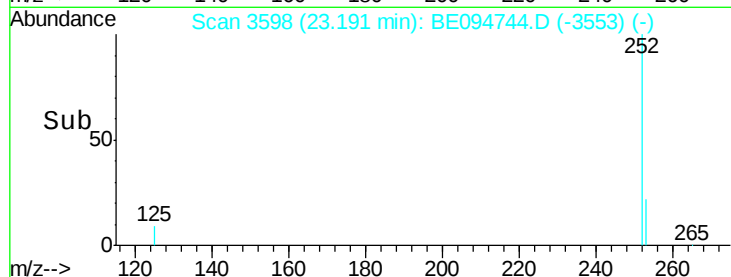
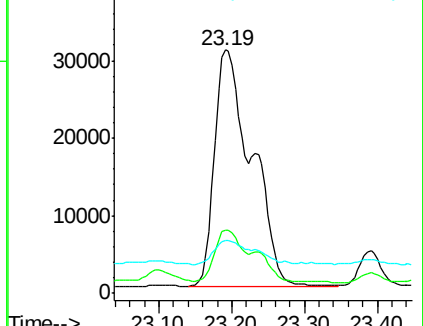
125 21.7 0.0 35.0



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: 3.90 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.05 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

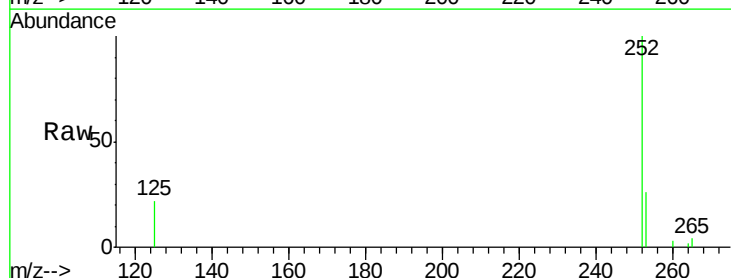
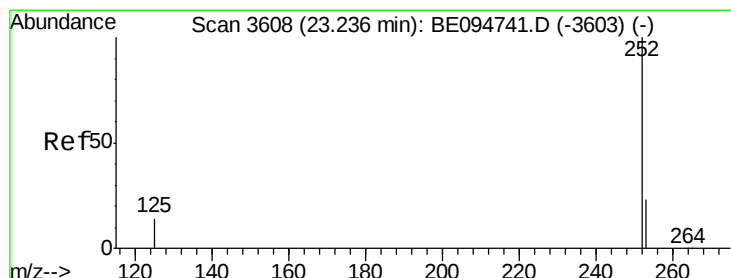
Tgt Ion:252 Resp: 108287

Ion Ratio Lower Upper

252 100

253 25.8 24.5 36.7

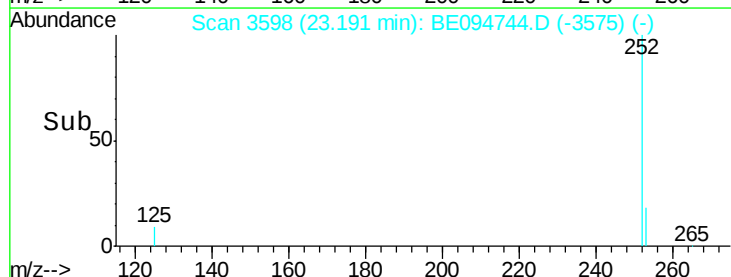
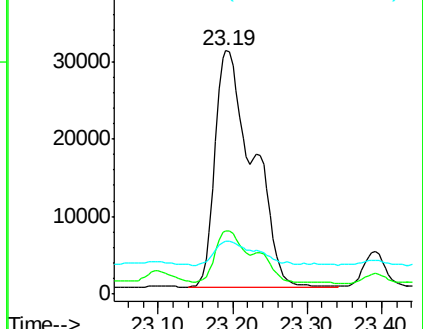
125 21.7 13.7 20.5#

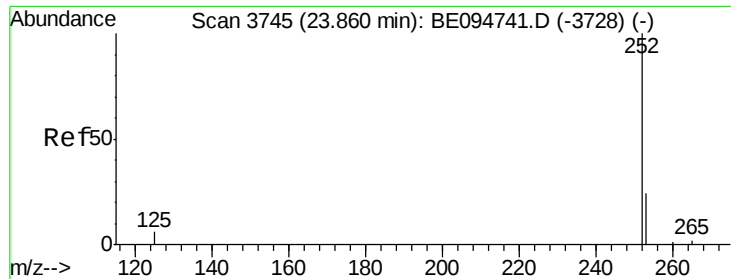


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.96 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. 0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MSD

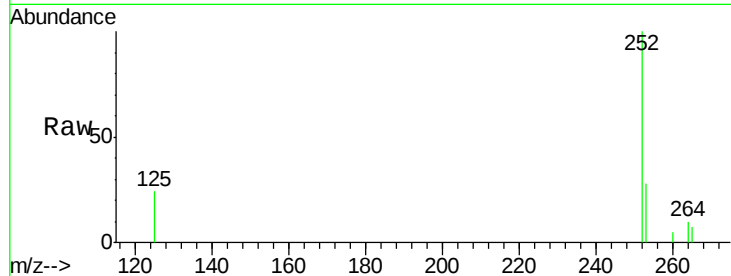
Tot Ion:252 Resp: 50916

Ion Ratio Lower Upper

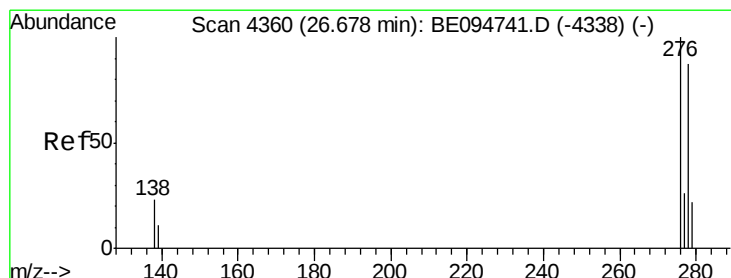
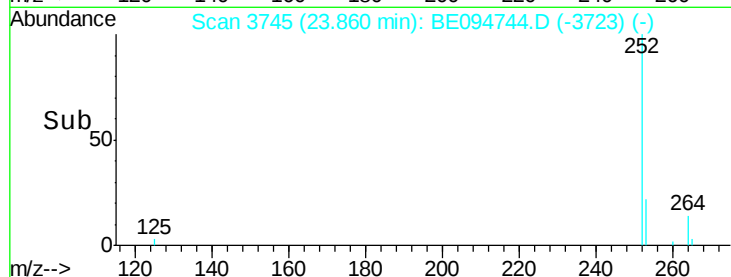
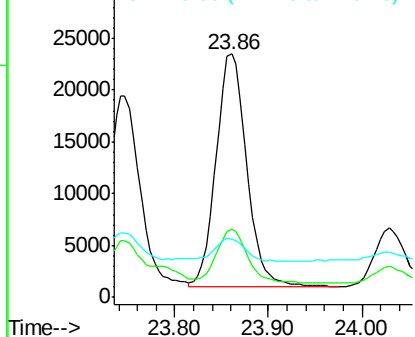
252 100

253 28.0 28.5 42.7#

125 23.9 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: 1.23 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

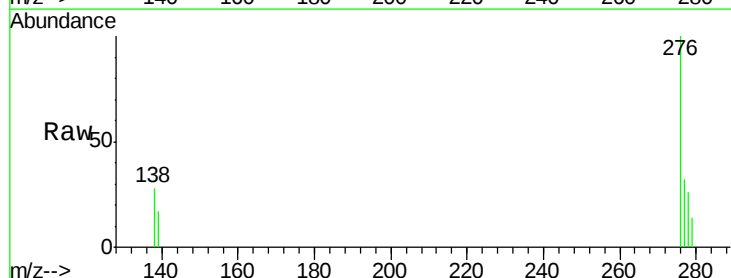
Tgt Ion:276 Resp: 32948

Ion Ratio Lower Upper

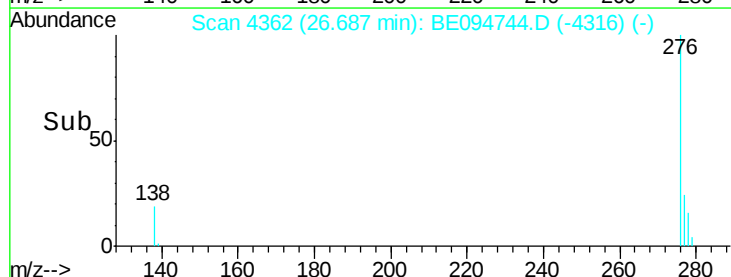
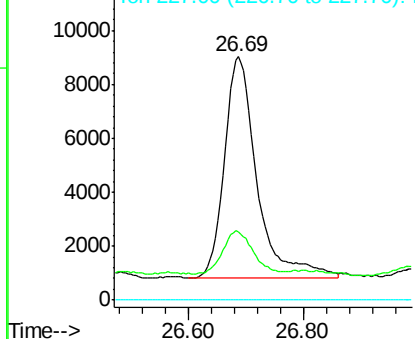
276 100

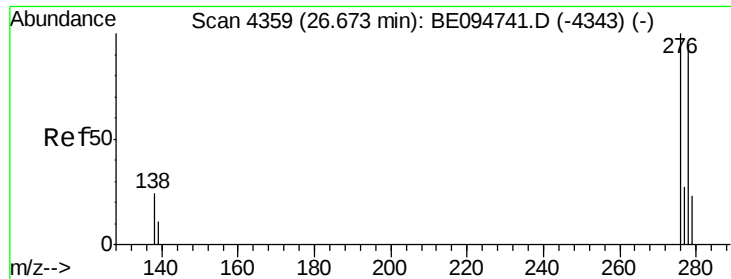
138 18.1 28.0 42.0#

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: 0.31 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-19(0-1)-101117MSD

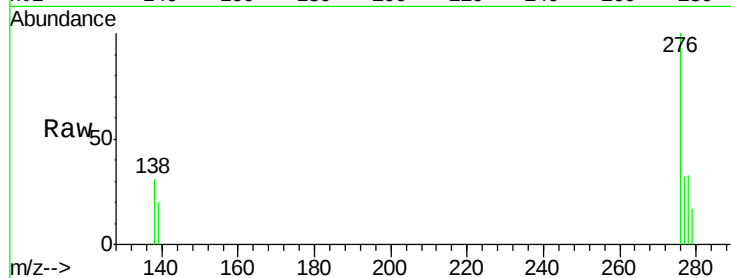
Tot Ion:278 Resp: 7097

Ion Ratio Lower Upper

278 100

139 61.5 17.4 26.0#

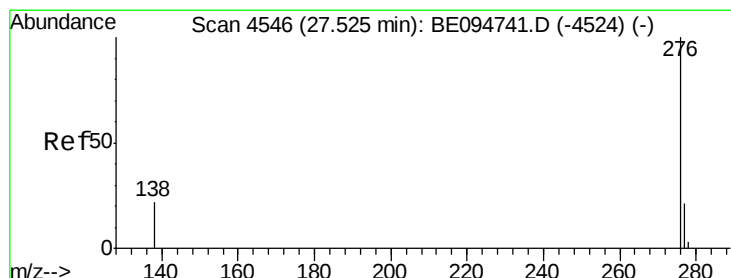
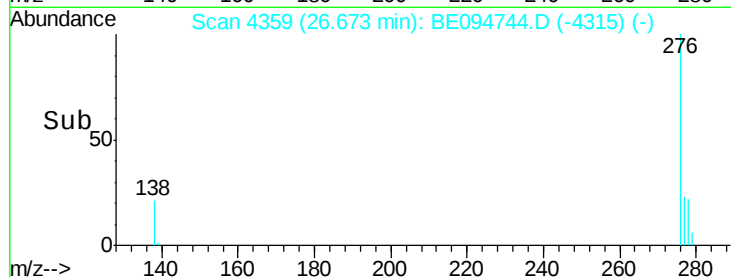
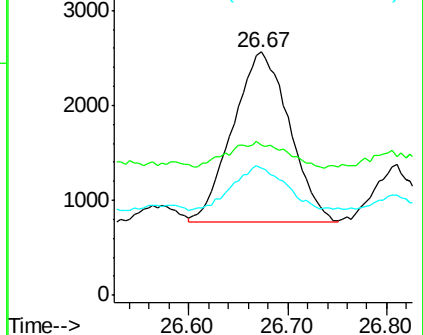
279 52.1 25.9 38.9#



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: 1.30 ng/ul

RT: 27.53 min Scan# 4547

Delta R.T. 0.00 min

Lab File: BE094744.D

Acq: 4 Nov 2017 18:15

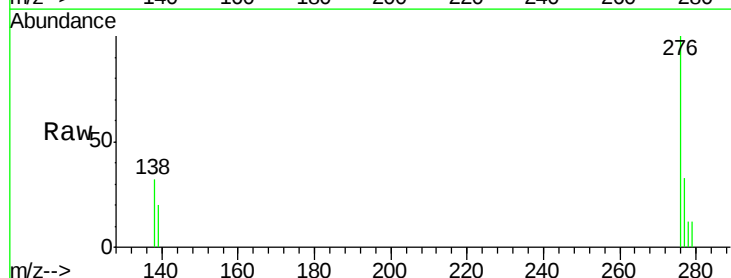
Tgt Ion:276 Resp: 27979

Ion Ratio Lower Upper

276 100

138 32.2 21.8 32.8

277 33.3 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

