

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094562.D
 Acq On : 26 Oct 2017 14:58
 Operator : SJ/JU
 Sample : I5719-10 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:40:22 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 Oct 27 04:05:19 2017
 Response via : Initial Calibration

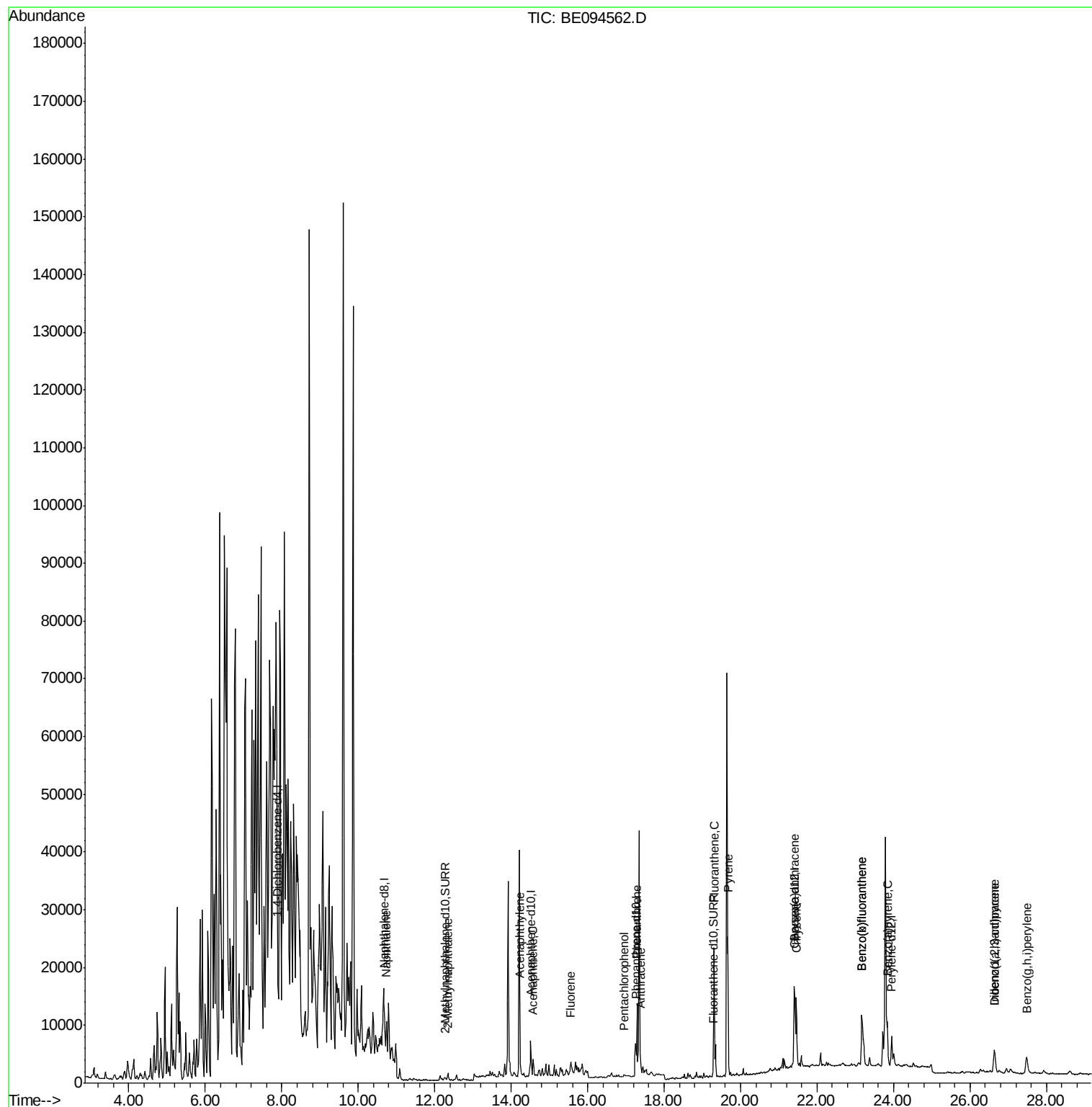
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1599	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	6539	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	3597	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8236	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	8174	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	8197	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	536	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	947	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.73	128	8061	0.504	ng/ul#	1
5) 2-Methylnaphthalene	12.35	142	958	0.086	ng/ul	98
7) Acenaphthylene	14.24	152	781	0.048	ng/ul#	19
8) Acenaphthene	14.57	153	1866	0.160	ng/ul#	91
9) Fluorene	15.56	166	1488	0.113	ng/ul#	75
11) Pentachlorophenol	16.96	266	396	0.963	ng/ul	96
12) Phenanthrene	17.29	178	14898	0.685	ng/ul#	92
13) Anthracene	17.38	178	1800	0.084	ng/ul#	86
15) Fluoranthene	19.31	202	27005	1.074	ng/ul	84
17) Pyrene	19.67	202	25620	1.014	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	12184	0.521	ng/ul#	91
19) Chrysene	21.46	228	13586	0.562	ng/ul#	89
21) Benzo(b)fluoranthene	23.17	252	22834	0.990	ng/ul	91
22) Benzo(k)fluoranthene	23.17	252	22834	0.924	ng/ul#	92
23) Benzo(a)pyrene	23.84	252	11278	0.489	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	26.64	276	7551	0.317	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.63	278	2023	0.101	ng/ul#	33
26) Benzo(g,h,i)perylene	27.48	276	7735	0.404	ng/ul#	85

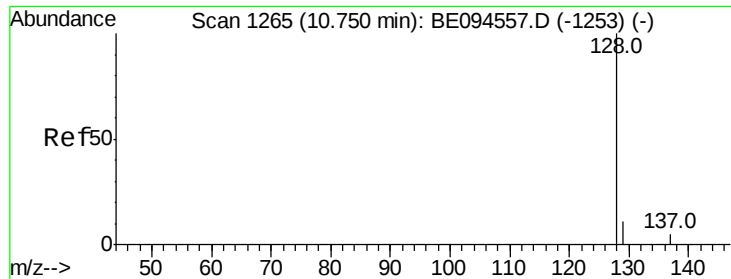
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.504 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

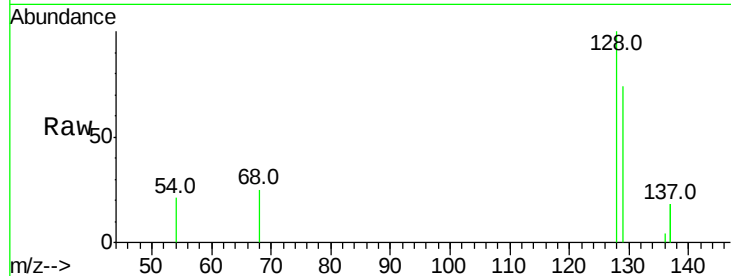
Tot Ion:128 Resp: 8061

Ion Ratio Lower Upper

128 100

129 73.6 11.3 16.9#

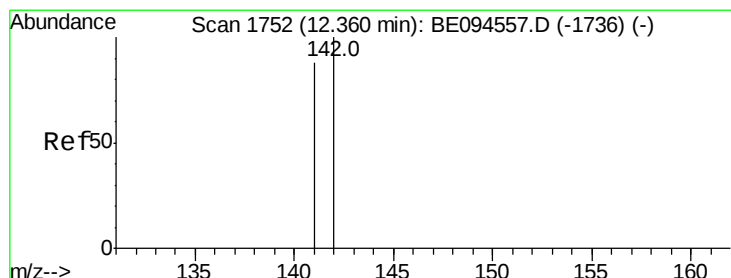
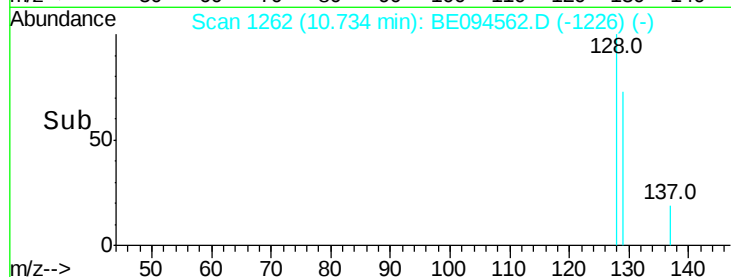
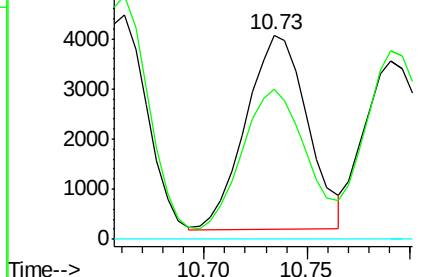
127 0.0 4.0 6.0#



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: 0.086 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094562.D

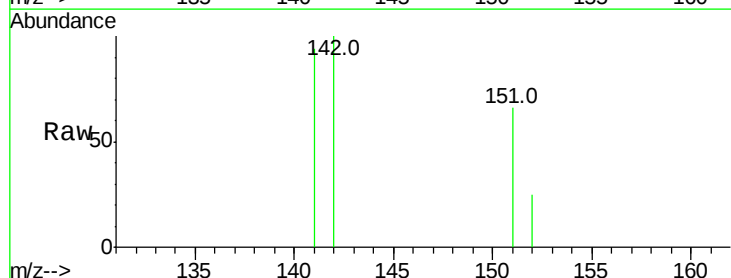
Acq: 26 Oct 2017 14:58

Tgt Ion:142 Resp: 958

Ion Ratio Lower Upper

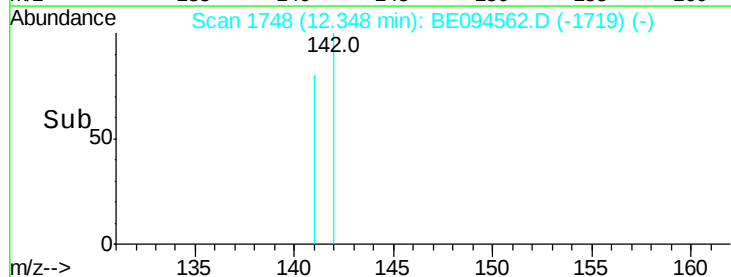
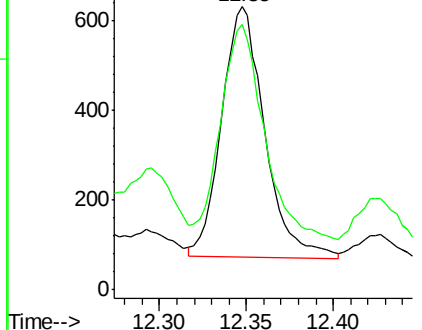
142 100

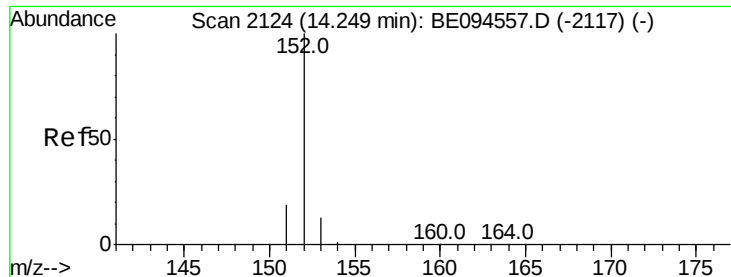
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

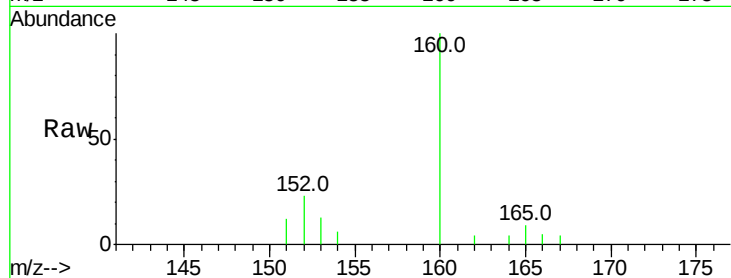
Tot Ion:152 Resp: 781

Ion Ratio Lower Upper

152 100

151 54.7 17.1 25.7#

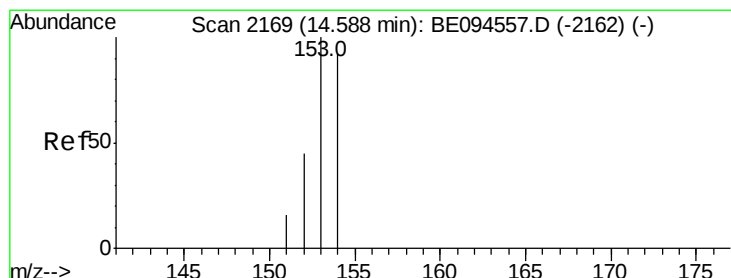
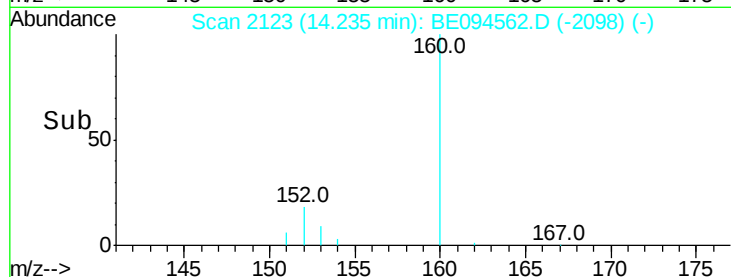
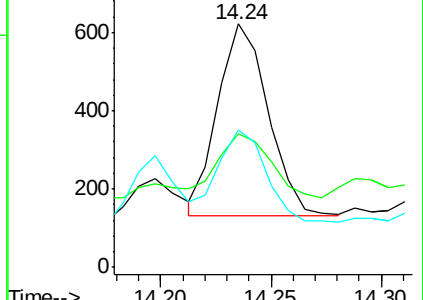
153 56.6 12.8 19.2#



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: 0.160 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

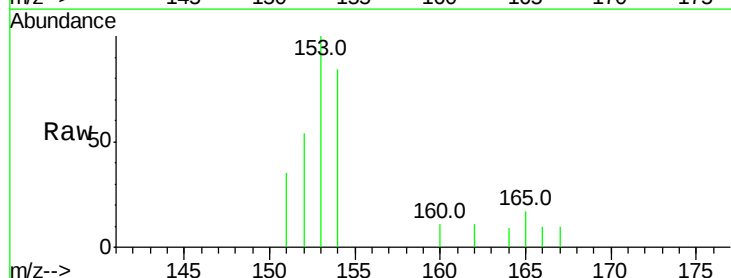
Tgt Ion:153 Resp: 1866

Ion Ratio Lower Upper

153 100

152 54.3 36.0 54.0#

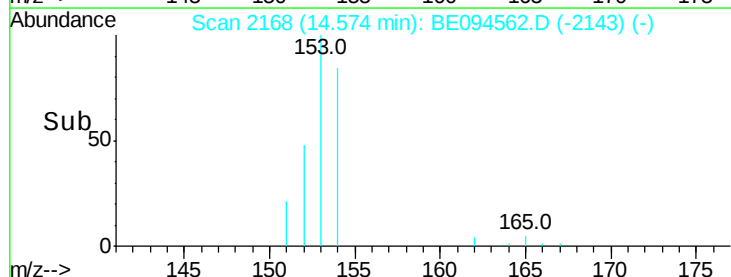
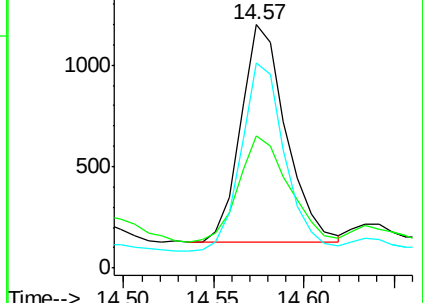
154 84.3 72.0 108.0

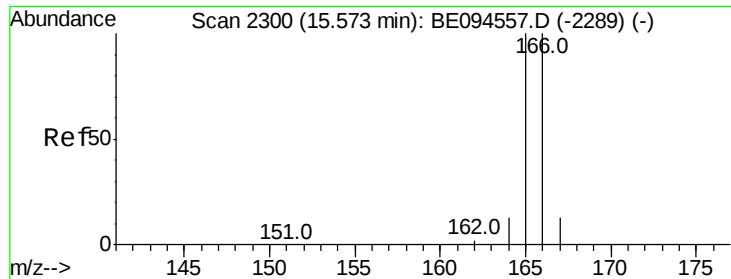


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.113 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

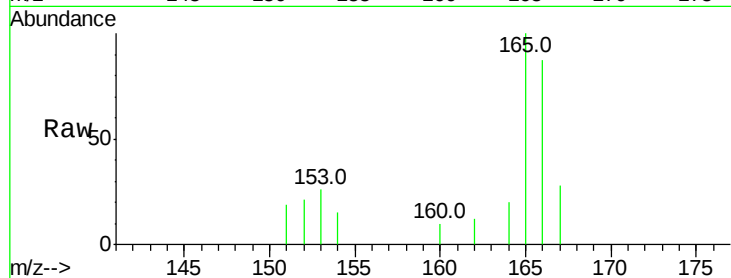
Tot Ion:166 Resp: 1488

Ion Ratio Lower Upper

166 100

165 114.7 73.4 110.2#

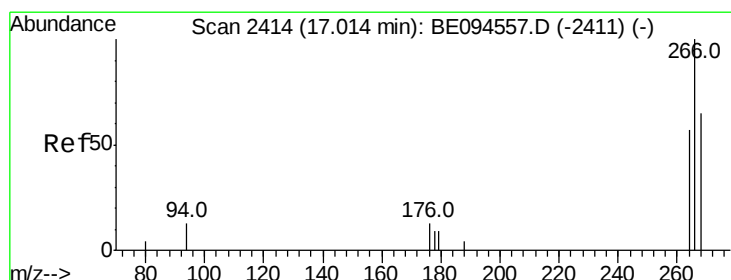
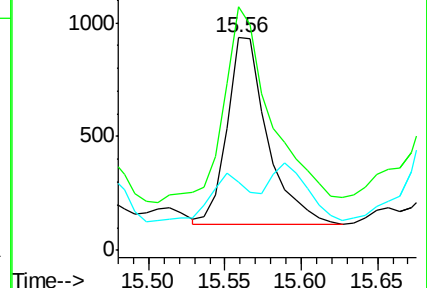
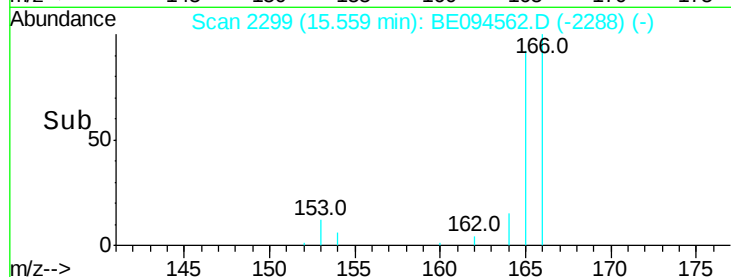
167 32.4 14.6 22.0#



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: 0.963 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. -0.05 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

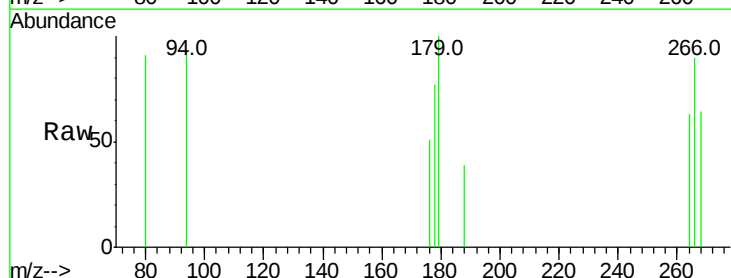
Tgt Ion:266 Resp: 396

Ion Ratio Lower Upper

266 100

264 58.1 47.9 71.9

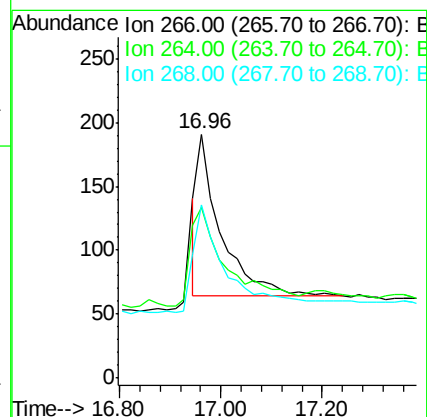
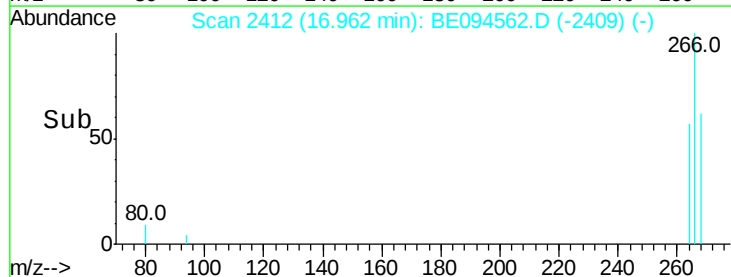
268 58.6 49.8 74.8

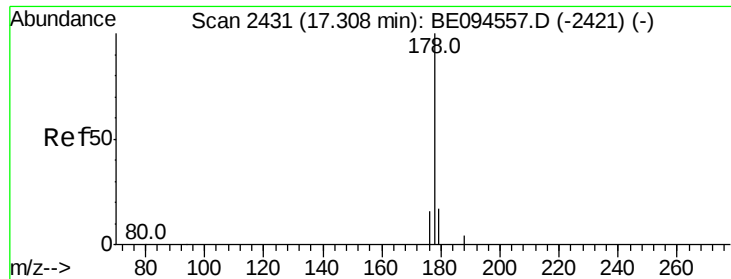


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.685 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

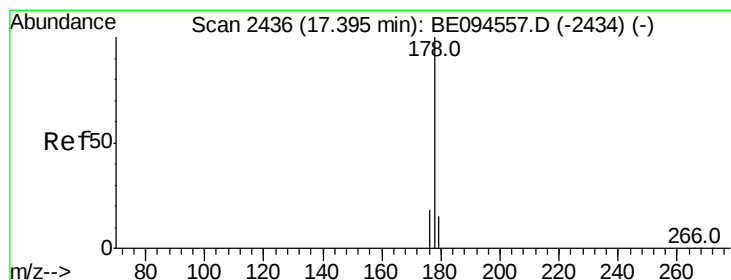
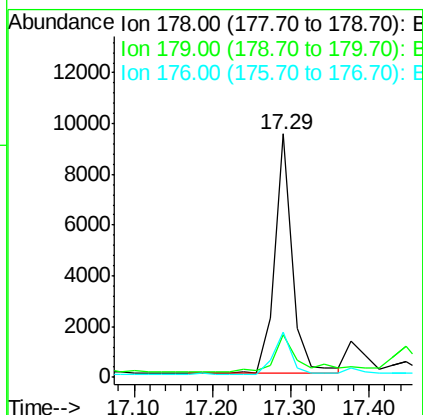
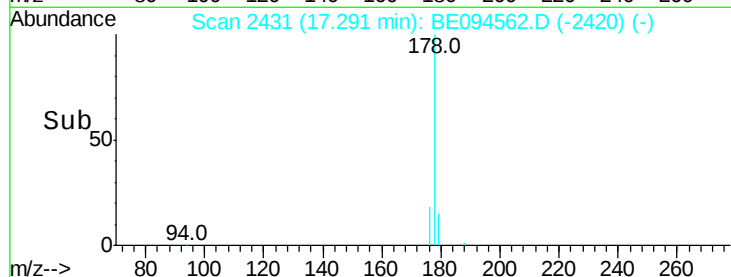
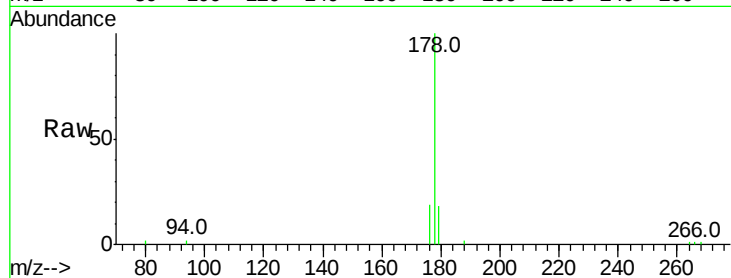
Tot Ion:178 Resp: 14898

Ion Ratio Lower Upper

178 100

179 17.6 18.4 27.6#

176 18.6 13.6 20.4



#13

Anthracene

Concen: 0.084 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

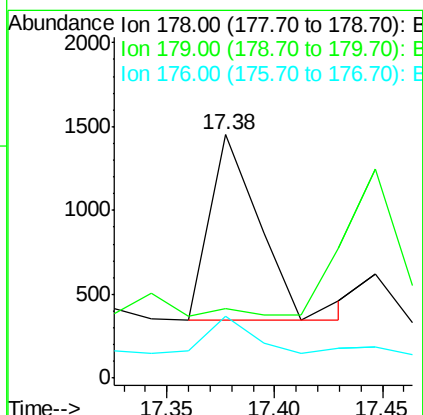
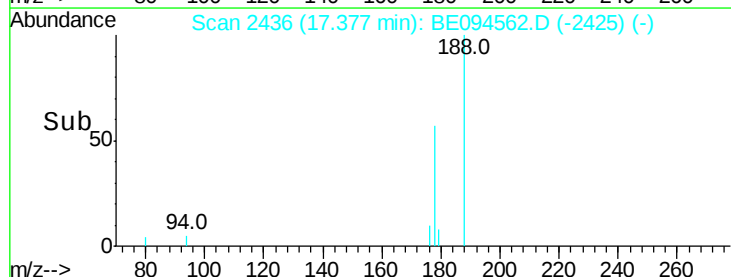
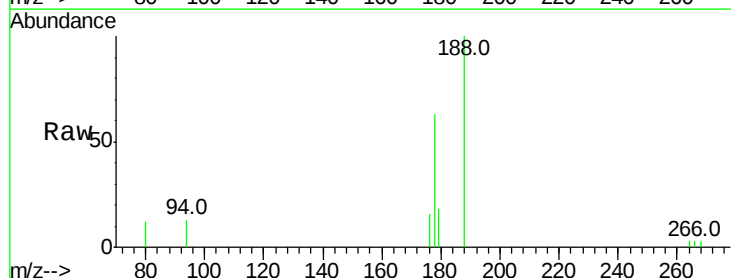
Tgt Ion:178 Resp: 1800

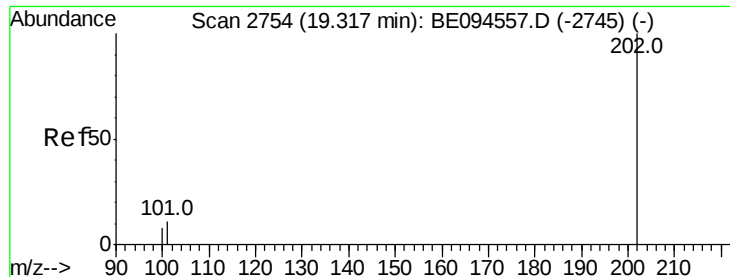
Ion Ratio Lower Upper

178 100

179 28.8 18.1 27.1#

176 25.3 14.7 22.1#





#15

Fluoranthene

Concen: 1.074 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

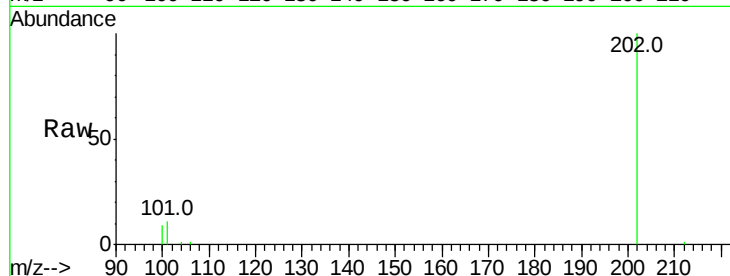
Tot Ion:202 Resp: 27005

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

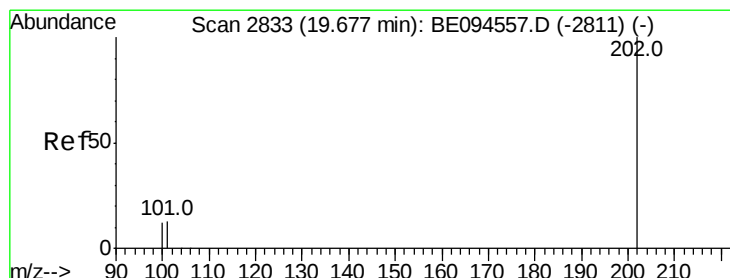
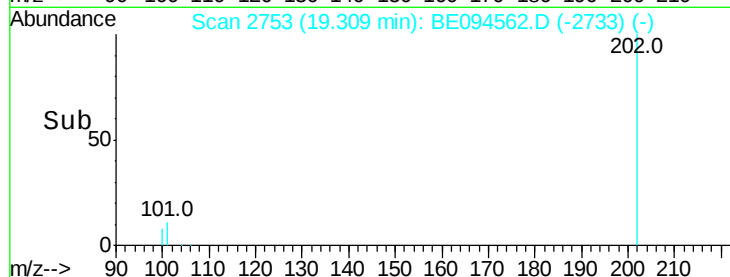
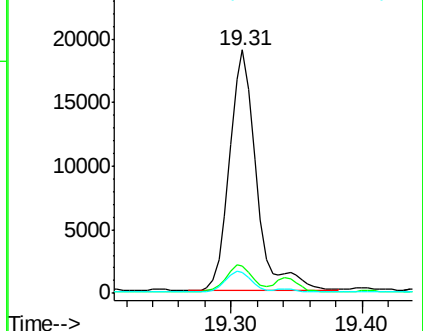
100 8.7 0.0 39.5



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: 1.014 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

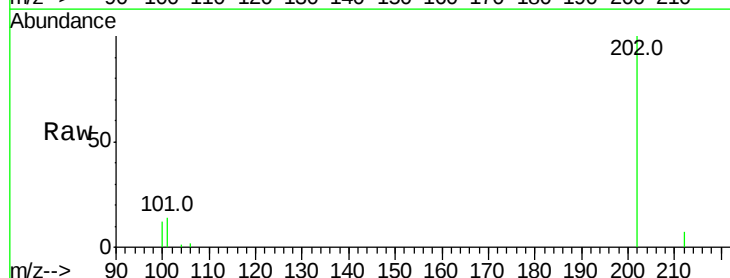
Tgt Ion:202 Resp: 25620

Ion Ratio Lower Upper

202 100

101 14.2 18.2 27.4#

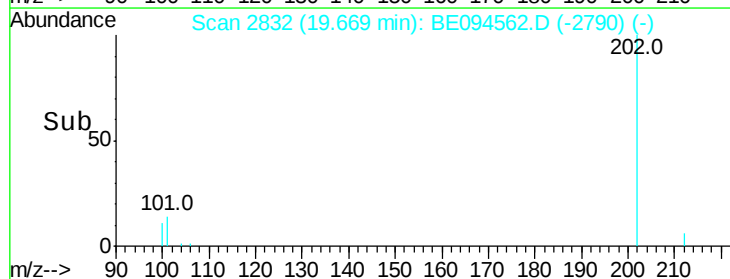
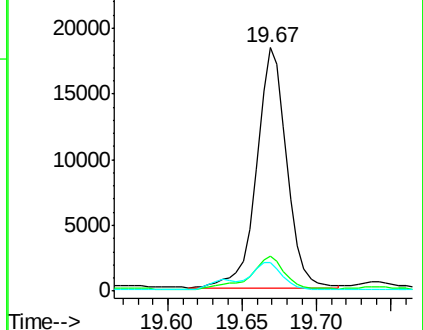
100 11.7 15.6 23.4#

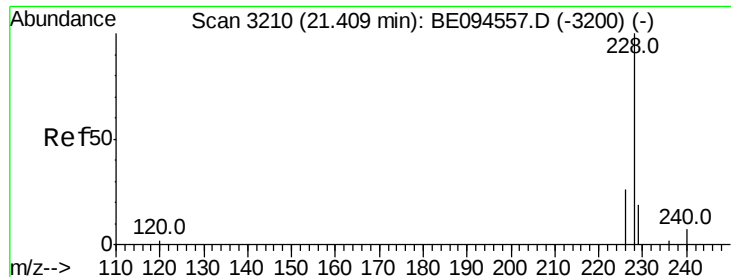


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.521 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

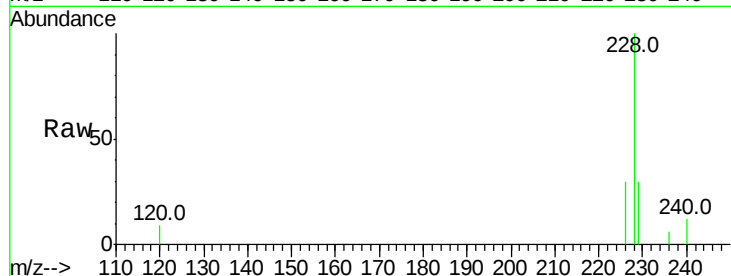
Tot Ion:228 Resp: 12184

Ion Ratio Lower Upper

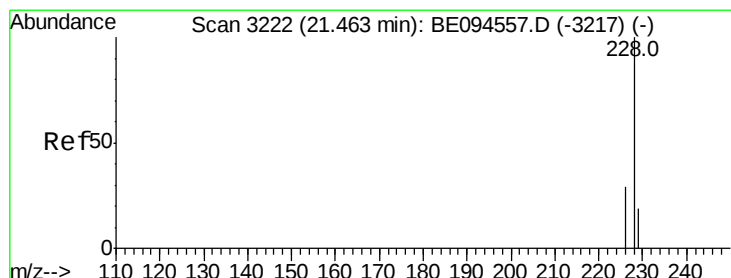
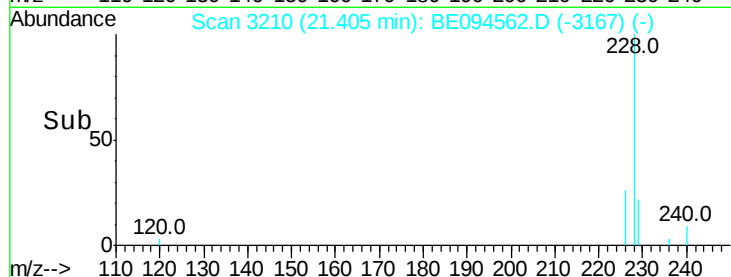
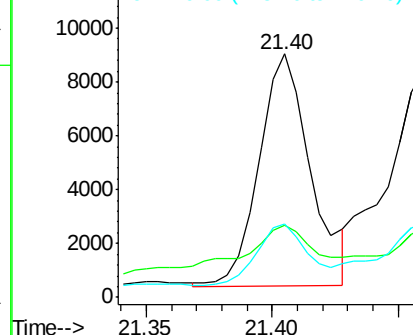
228 100

229 29.7 22.8 34.2

226 30.0 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: 0.562 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

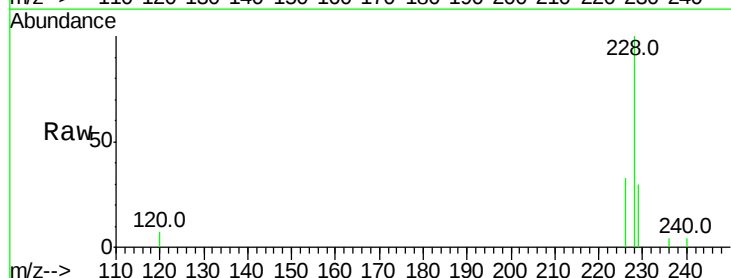
Tgt Ion:228 Resp: 13586

Ion Ratio Lower Upper

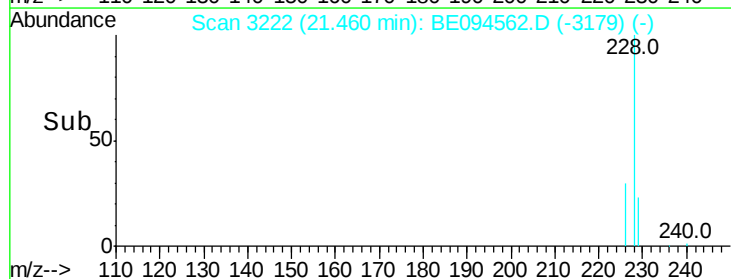
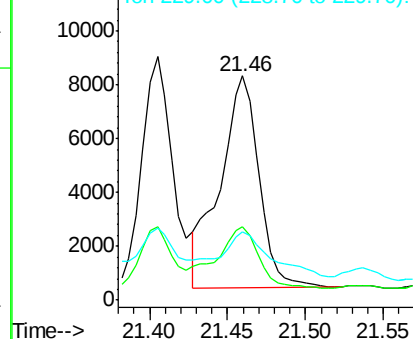
228 100

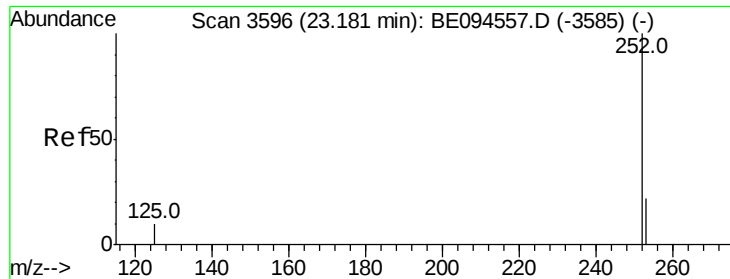
226 32.7 23.4 35.0

229 30.2 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: 0.990 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

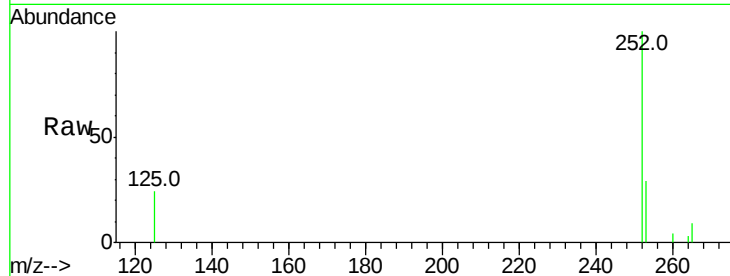
Tot Ion:252 Resp: 22834

Ion Ratio Lower Upper

252 100

253 28.7 0.0 64.2

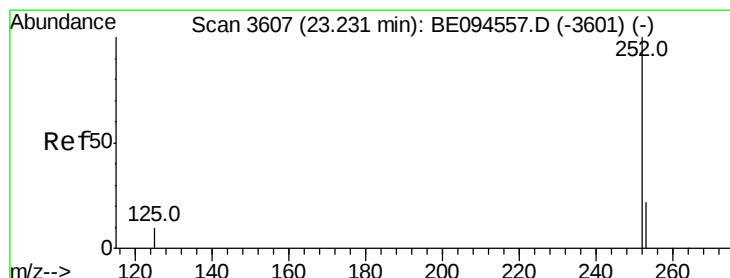
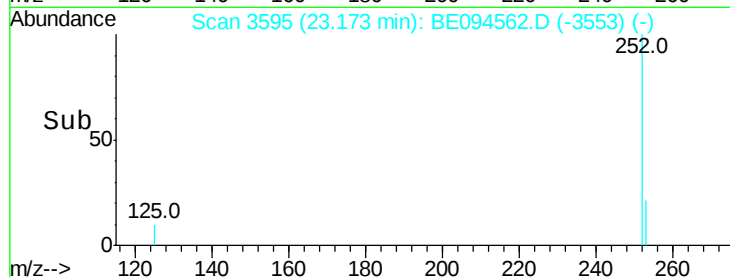
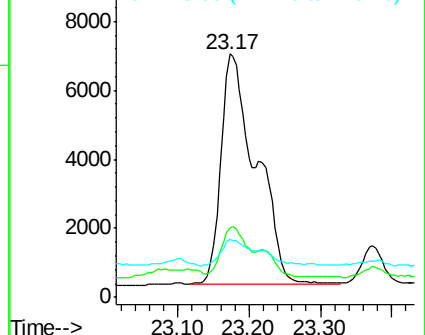
125 23.6 0.0 35.0



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: 0.924 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

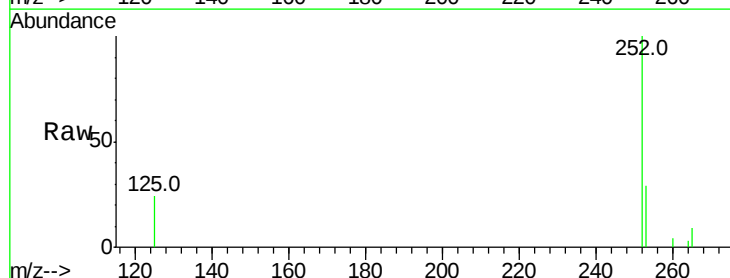
Tgt Ion:252 Resp: 22834

Ion Ratio Lower Upper

252 100

253 28.7 24.5 36.7

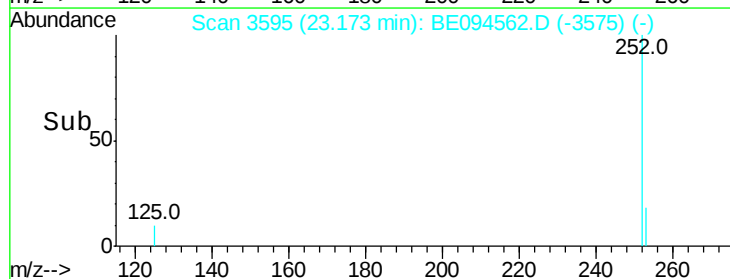
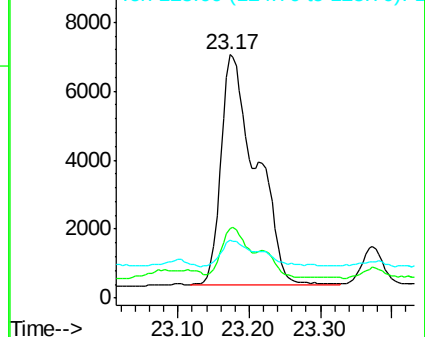
125 23.6 13.7 20.5#

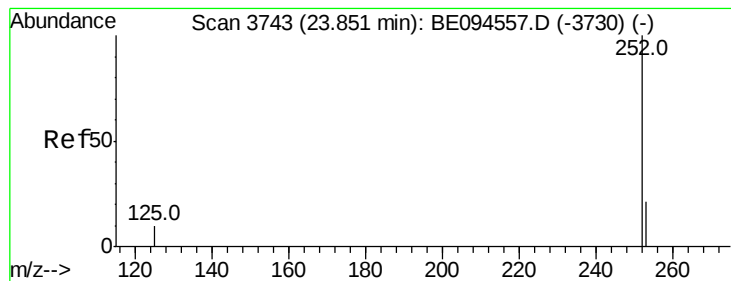


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.489 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampleId :

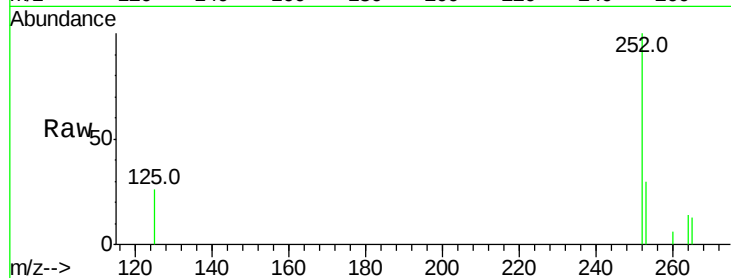
Tot Ion:252 Resp: 11278

Ion Ratio Lower Upper

252 100

253 30.3 28.5 42.7

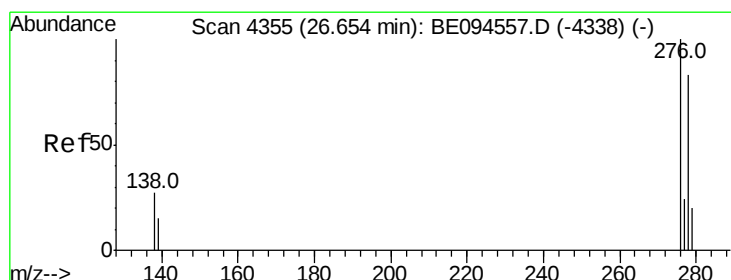
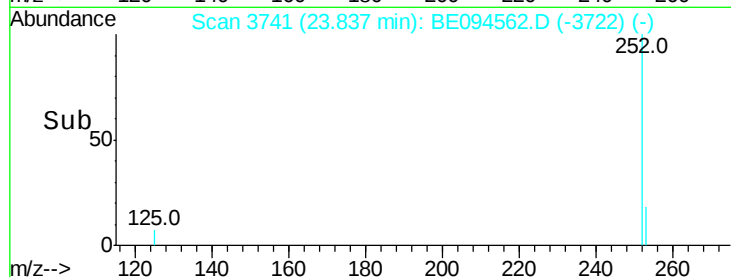
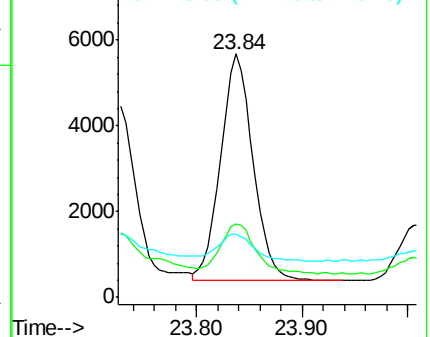
125 25.9 18.1 27.1



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: 0.317 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.01 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

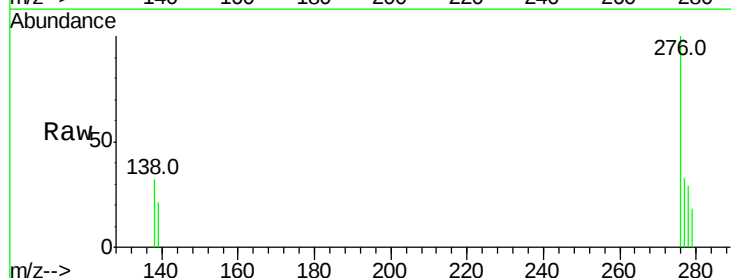
Tgt Ion:276 Resp: 7551

Ion Ratio Lower Upper

276 100

138 22.2 28.0 42.0#

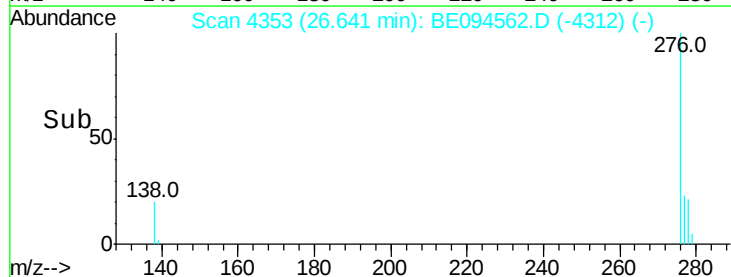
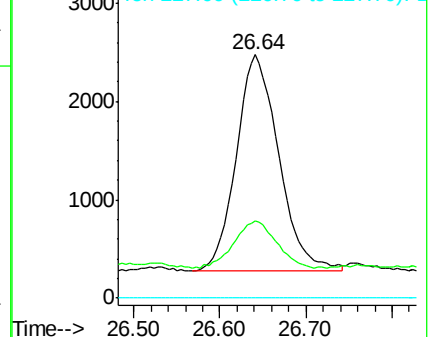
227 0.0 8.0 12.0#

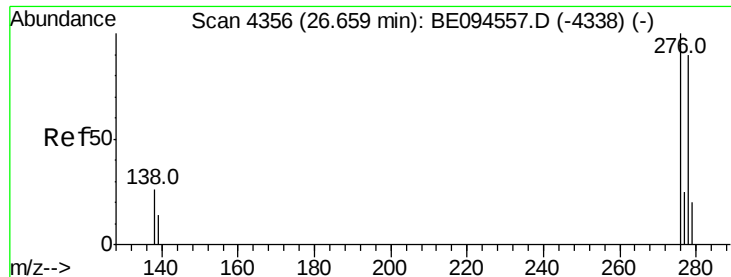


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.101 ng/ul

RT: 26.63 min Scan# 4351

Delta R.T. -0.03 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

Instrument :

BNA_E

ClientSampled :

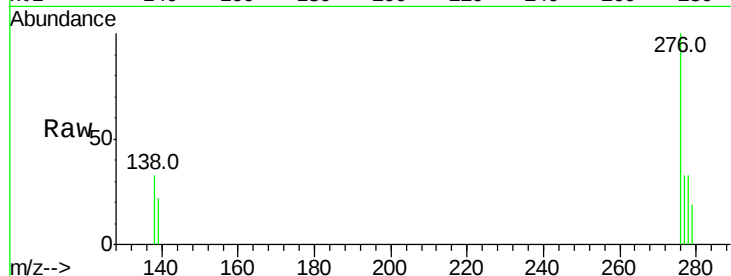
Tot Ion:278 Resp: 2023

Ion Ratio Lower Upper

278 100

139 66.8 17.4 26.0#

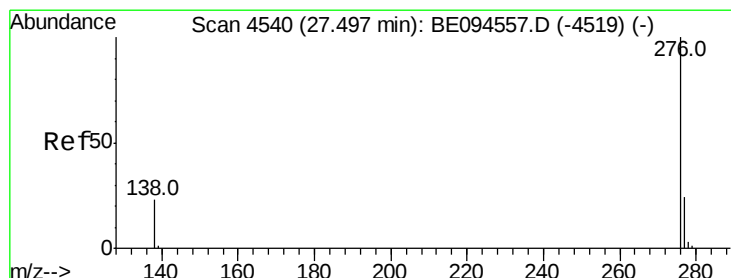
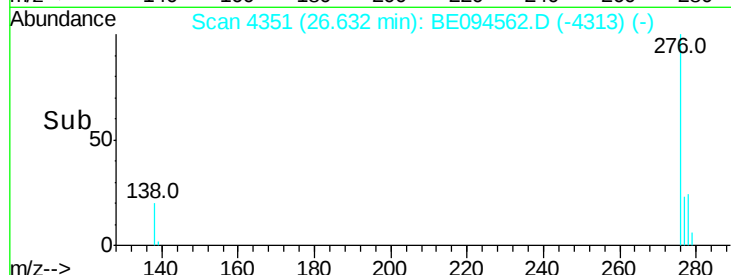
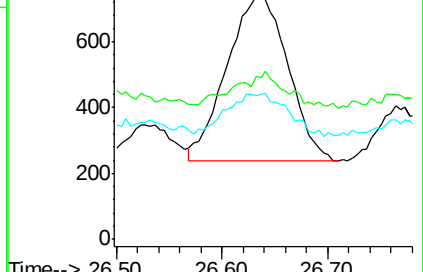
279 59.3 25.9 38.9#



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: 0.404 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. -0.02 min

Lab File: BE094562.D

Acq: 26 Oct 2017 14:58

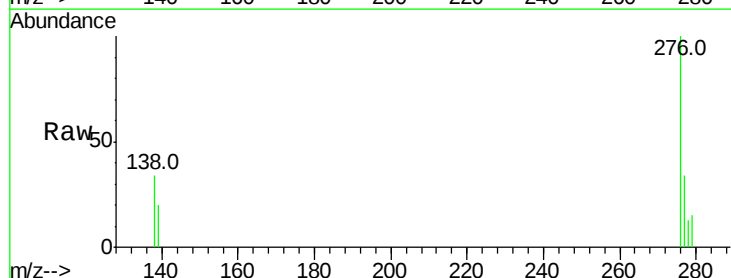
Tgt Ion:276 Resp: 7735

Ion Ratio Lower Upper

276 100

138 33.8 21.8 32.8#

277 34.3 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

