

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094578.D
 Acq On : 27 Oct 2017 00:46
 Operator : SJ/JU
 Sample : I5876-08 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:43:58 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

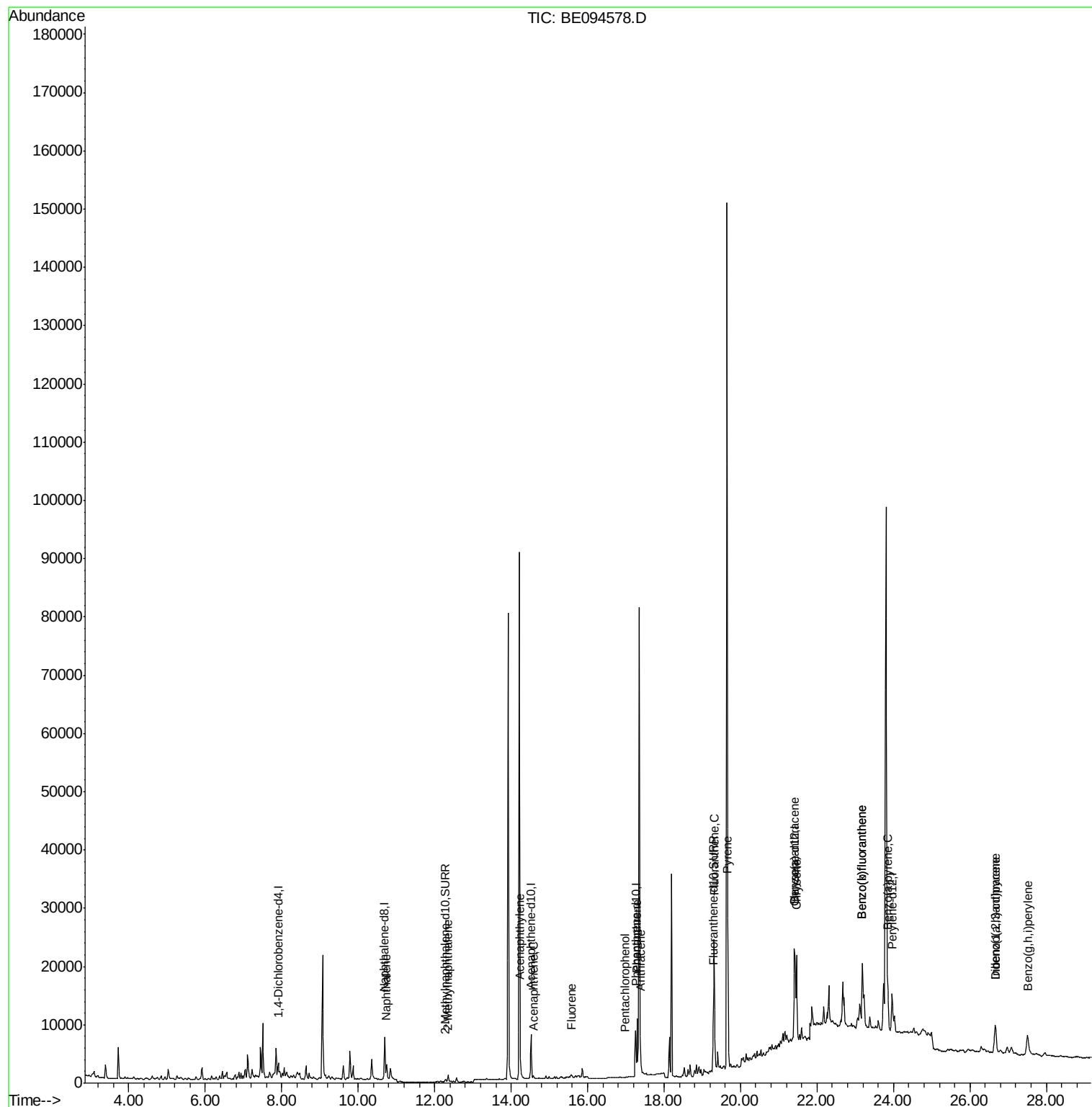
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1472	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8338	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4779	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10544	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10222	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10499	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	783	0.06	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	1926	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4075	0.200	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	1136	0.080	ng/ul	98
7) Acenaphthylene	14.24	152	1393	0.064	ng/ul#	86
8) Acenaphthene	14.58	153	356	0.023	ng/ul#	90
9) Fluorene	15.57	166	495	0.028	ng/ul#	74
11) Pentachlorophenol	16.98	266	15	0.028	ng/ul#	1
12) Phenanthrene	17.29	178	11015	0.396	ng/ul#	90
13) Anthracene	17.38	178	2202	0.080	ng/ul#	82
15) Fluoranthene	19.31	202	21017	0.653	ng/ul	84
17) Pyrene	19.67	202	21972	0.695	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	13237	0.453	ng/ul#	78
19) Chrysene	21.47	228	16967	0.562	ng/ul#	77
21) Benzo(b)fluoranthene	23.19	252	27200	0.921	ng/ul#	67
22) Benzo(k)fluoranthene	23.19	252	26749	0.845	ng/ul#	64
23) Benzo(a)pyrene	23.85	252	13362	0.453	ng/ul#	68
24) Indeno(1,2,3-cd)pyrene	26.66	276	10137	0.332	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.66	278	2631	0.102	ng/ul#	1
26) Benzo(g,h,i)perylene	27.51	276	9228	0.376	ng/ul#	58

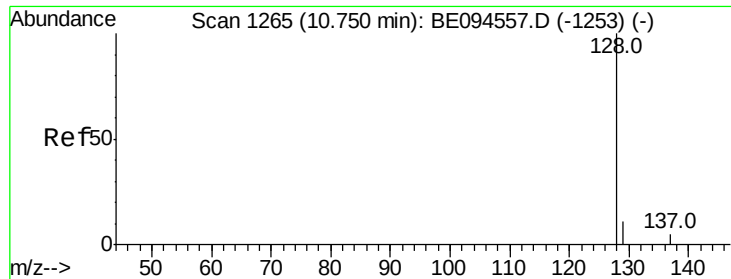
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.200 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampleId :

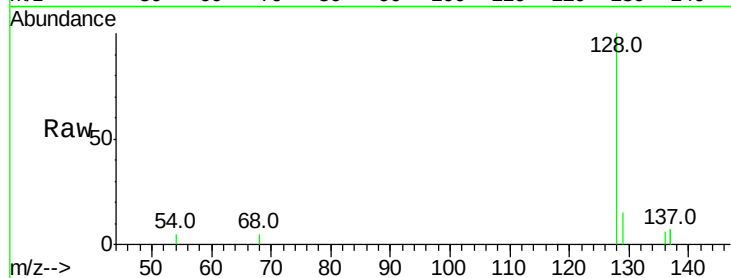
Tot Ion:128 Resp: 4075

Ion Ratio Lower Upper

128 100

129 14.6 11.3 16.9

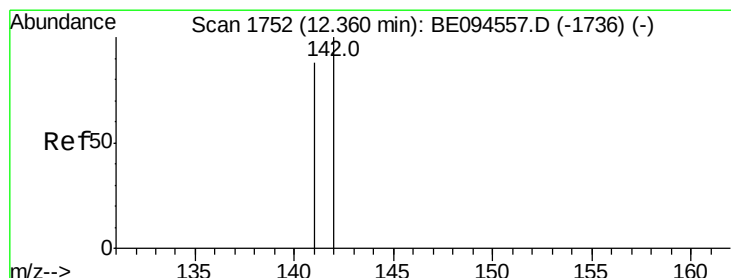
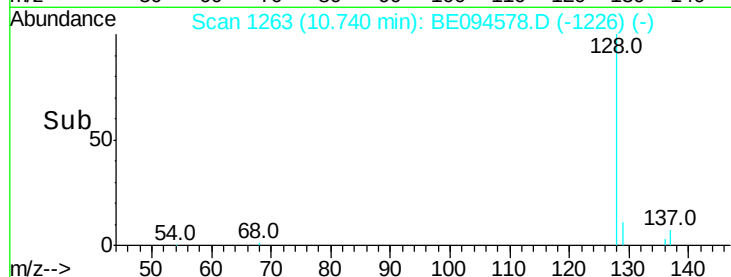
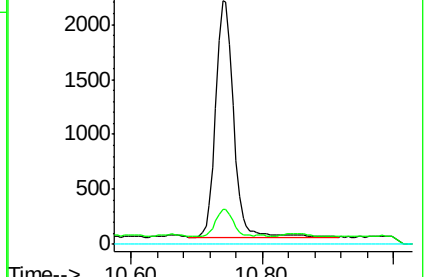
127 0.0 4.0 6.0#



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: 0.080 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094578.D

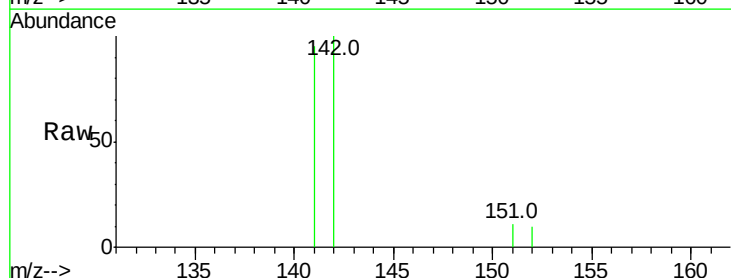
Acq: 27 Oct 2017 00:46

Tgt Ion:142 Resp: 1136

Ion Ratio Lower Upper

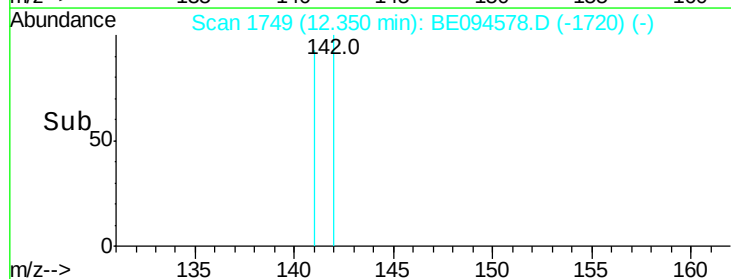
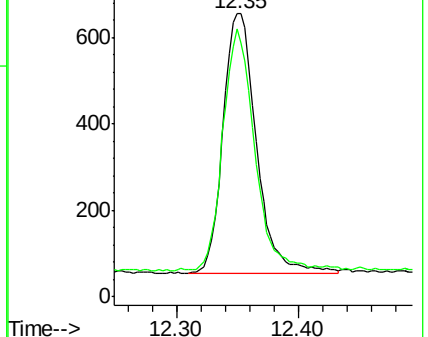
142 100

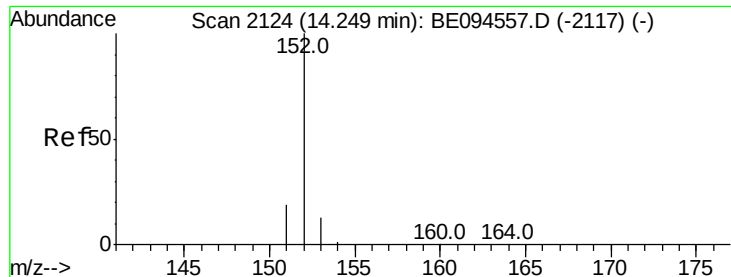
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.064 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampleId :

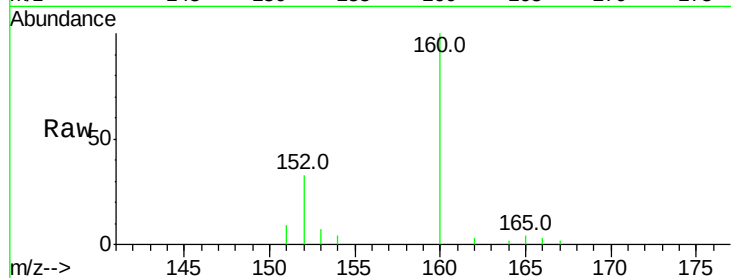
Tot Ion:152 Resp: 1393

Ion Ratio Lower Upper

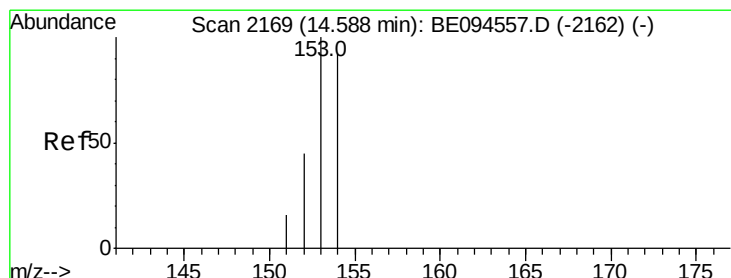
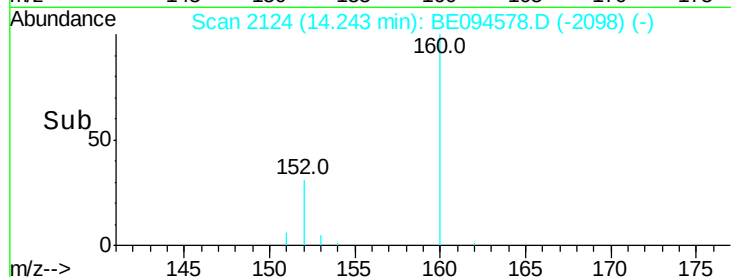
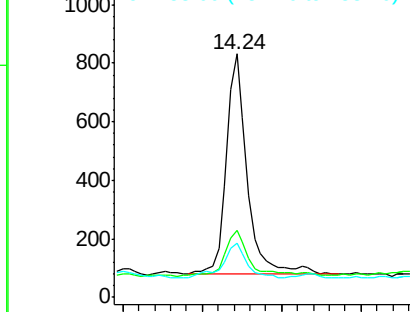
152 100

151 27.4 17.1 25.7#

153 22.5 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: 0.023 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

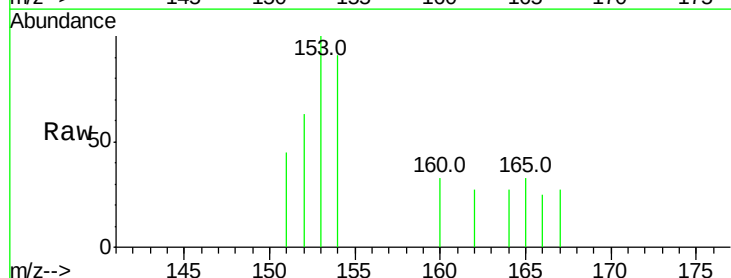
Tgt Ion:153 Resp: 356

Ion Ratio Lower Upper

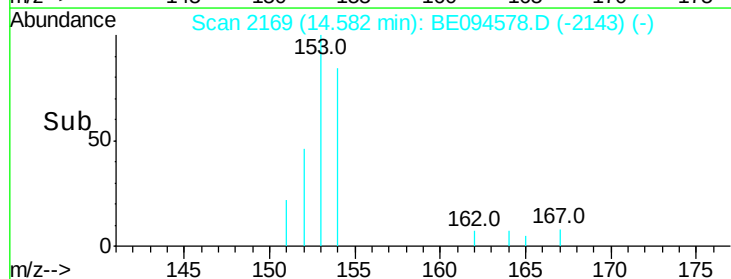
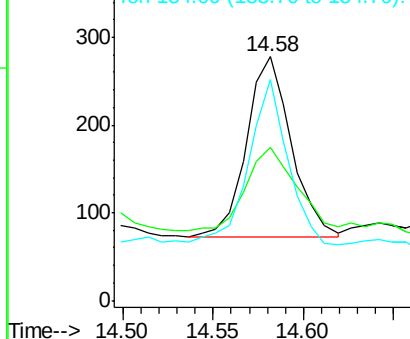
153 100

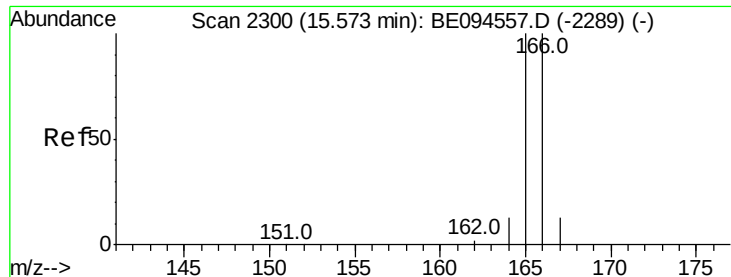
152 62.9 36.0 54.0#

154 90.6 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: 0.028 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampleId :

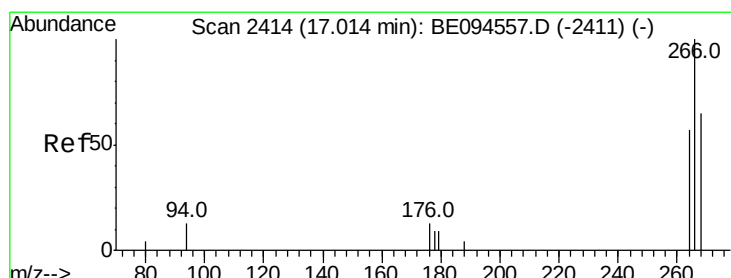
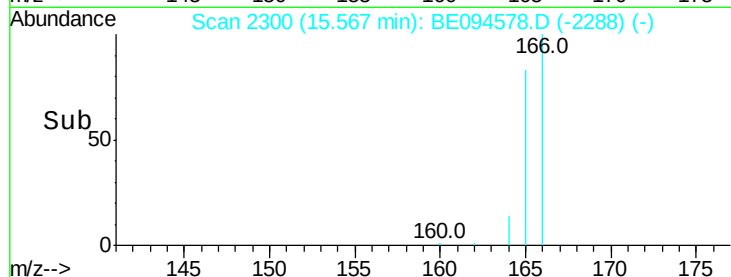
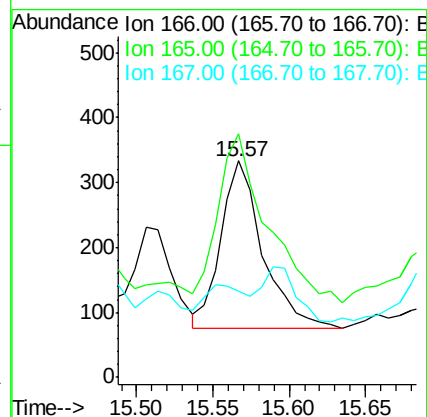
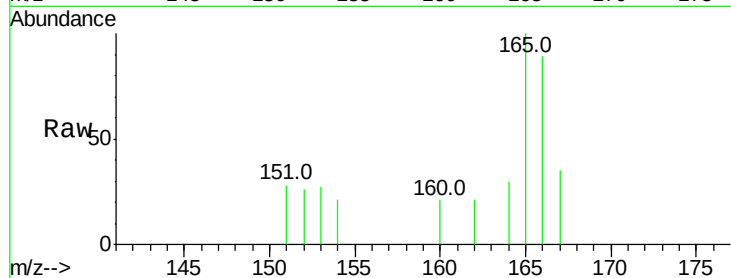
Tot Ion:166 Resp: 495

Ion Ratio Lower Upper

166 100

165 112.6 73.4 110.2#

167 39.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.028 ng/ul

RT: 16.98 min Scan# 2413

Delta R.T. -0.03 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

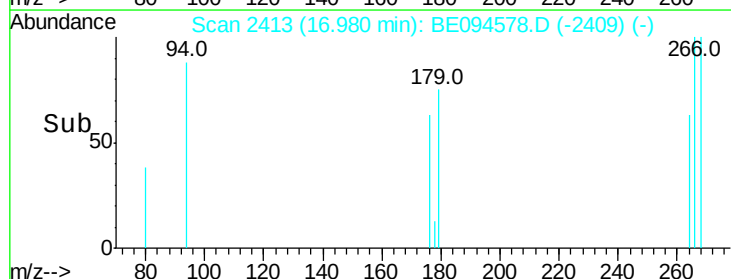
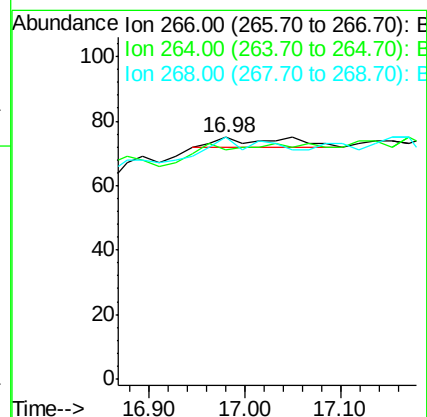
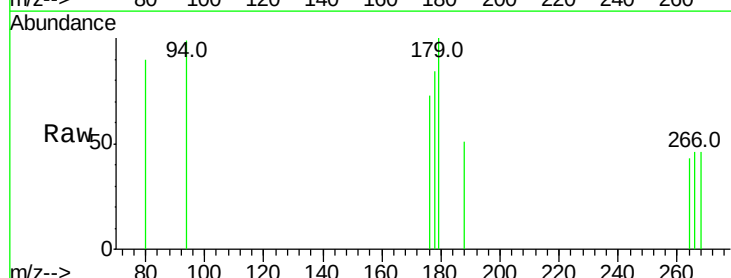
Tgt Ion:266 Resp: 15

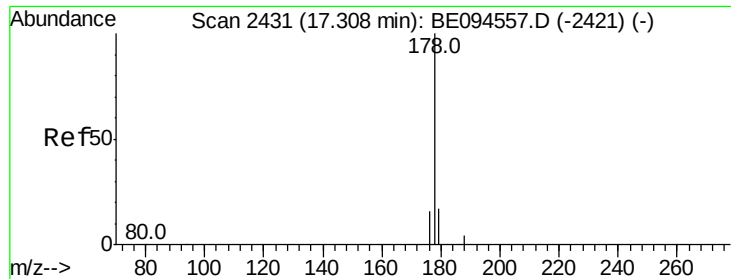
Ion Ratio Lower Upper

266 100

264 140.0 47.9 71.9#

268 166.7 49.8 74.8#





#12

Phenanthrene

Concen: 0.396 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampleId :

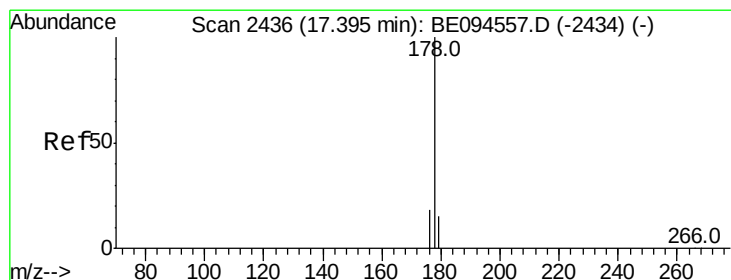
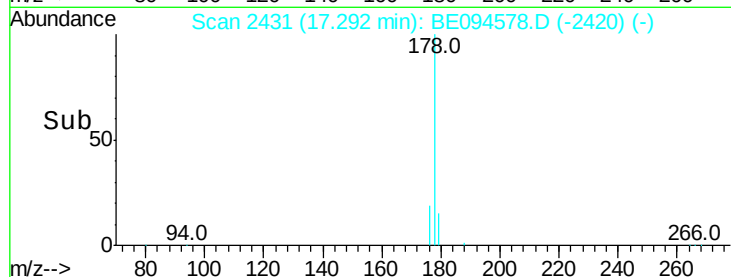
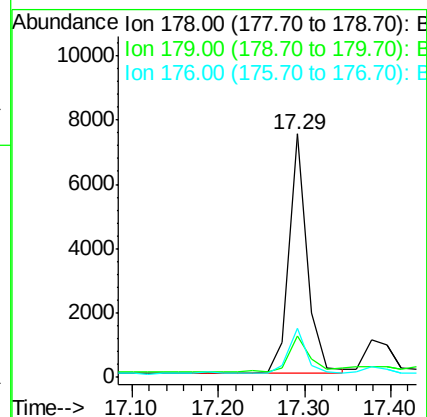
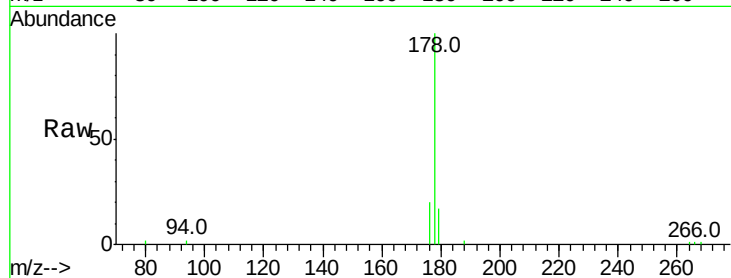
Tot Ion:178 Resp: 11015

Ion Ratio Lower Upper

178 100

179 17.0 18.4 27.6#

176 20.1 13.6 20.4



#13

Anthracene

Concen: 0.080 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

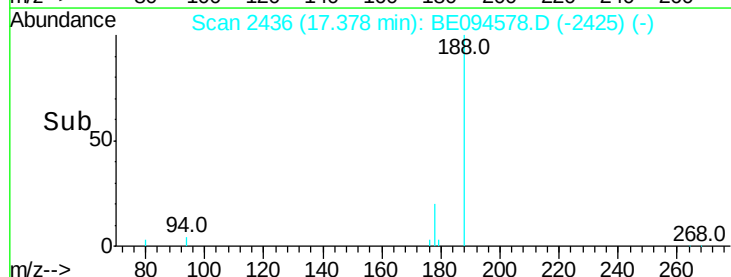
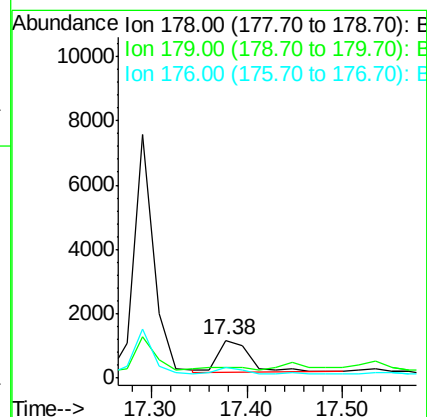
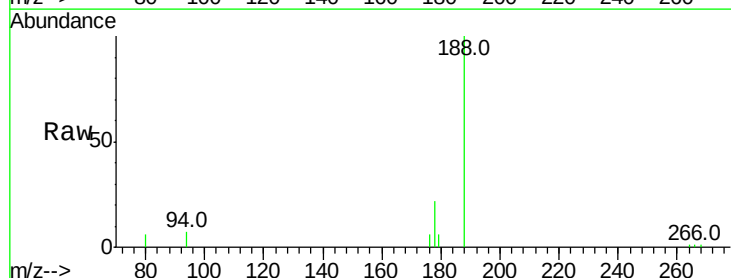
Tgt Ion:178 Resp: 2202

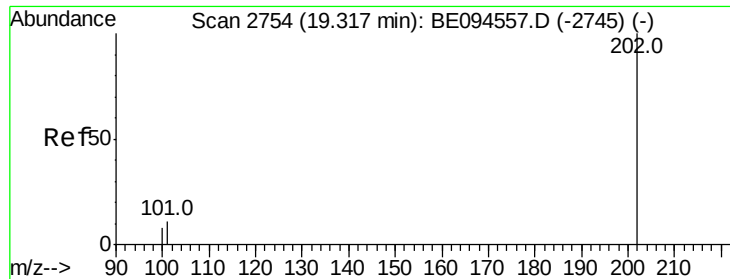
Ion Ratio Lower Upper

178 100

179 29.2 18.1 27.1#

176 28.4 14.7 22.1#





#15

Fluoranthene

Concen: 0.653 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094578.D

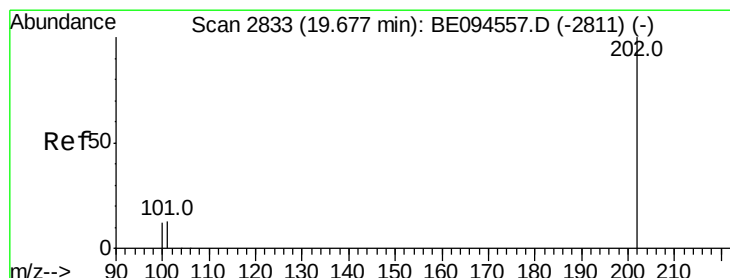
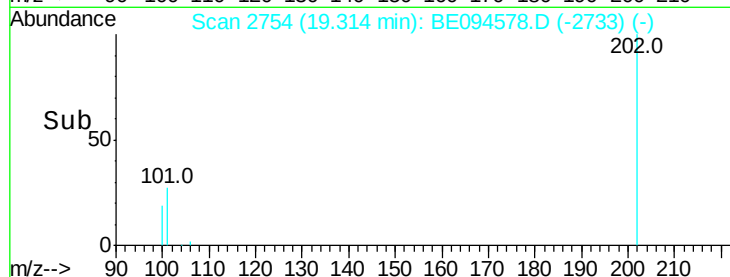
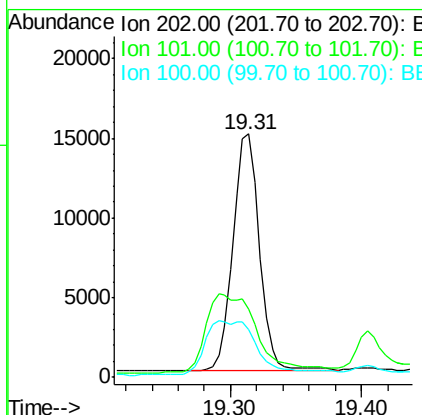
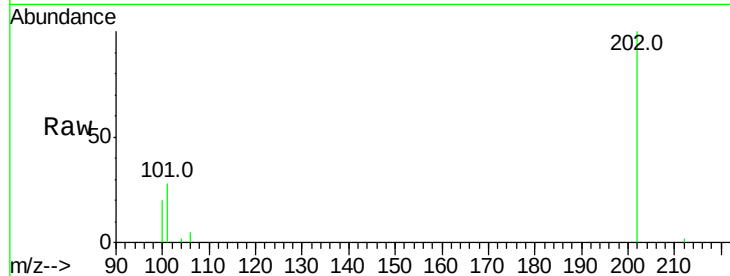
Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	21017
Ion	Ratio	Lower	Upper
202	100		
101	27.9	0.0	30.3
100	19.6	0.0	39.5



#17

Pyrene

Concen: 0.695 ng/ul

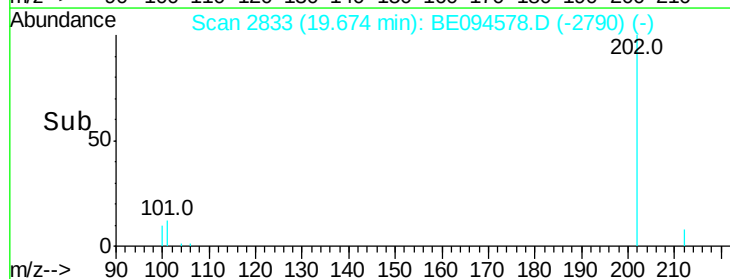
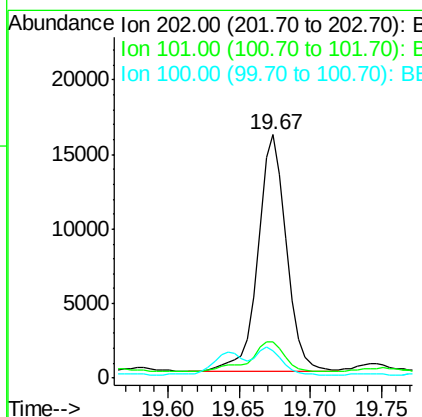
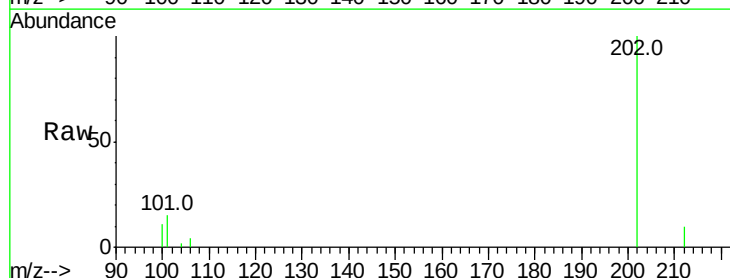
RT: 19.67 min Scan# 2833

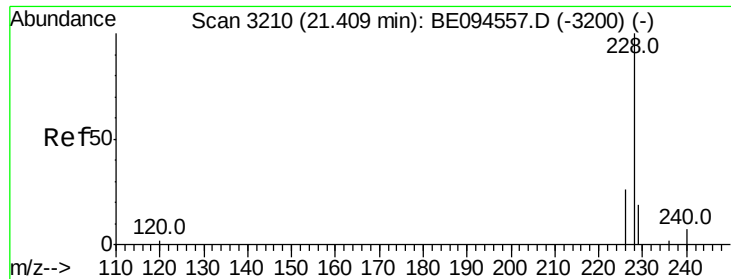
Delta R.T. -0.00 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Tgt Ion:	202	Resp:	21972
Ion	Ratio	Lower	Upper
202	100		
101	14.9	18.2	27.4#
100	11.4	15.6	23.4#

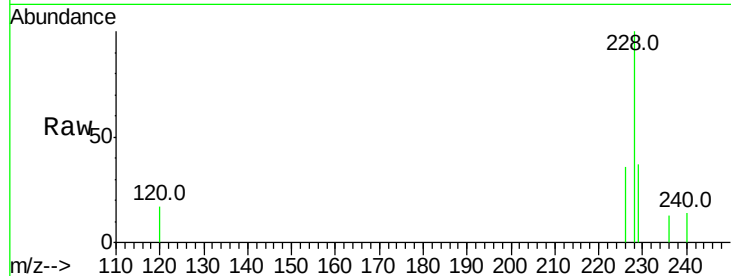




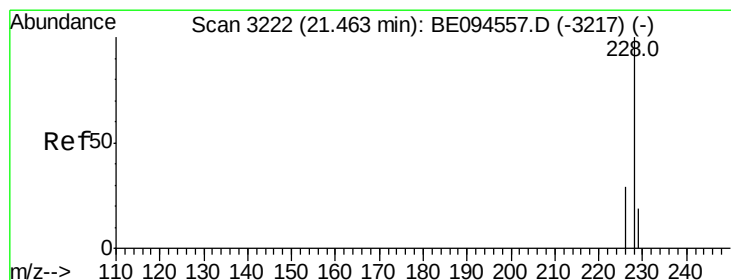
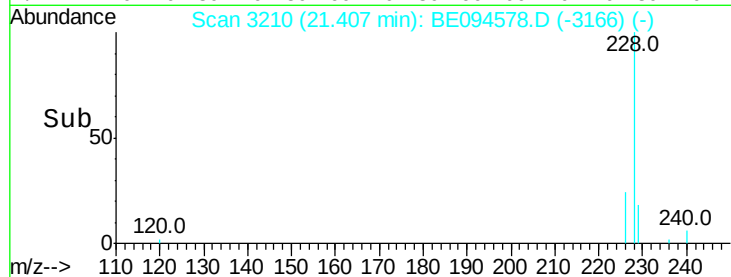
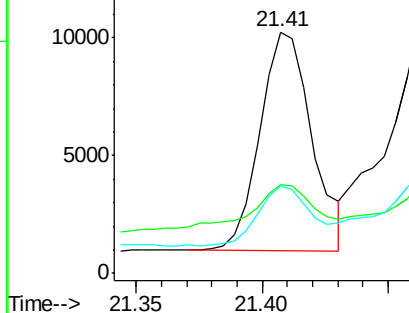
#18
Benzo(a)anthracene
Concen: 0.453 ng/ul
RT: 21.41 min Scan# 3210
Delta R.T. -0.00 min
Lab File: BE094578.D
Acq: 27 Oct 2017 00:46

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 13237
Ion Ratio Lower Upper
228 100
229 36.7 22.8 34.2#
226 36.2 17.0 25.6#

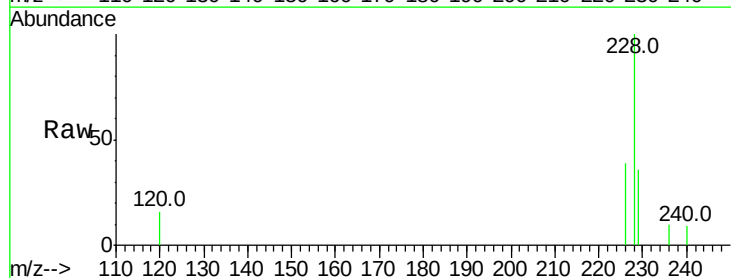


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

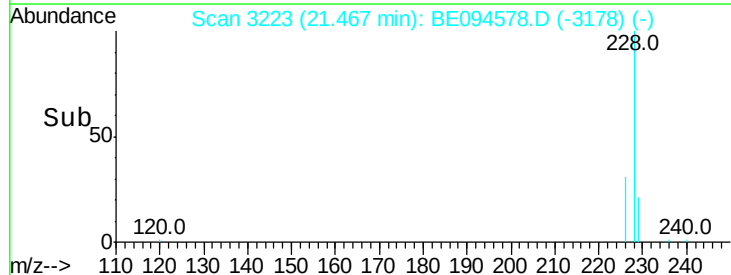
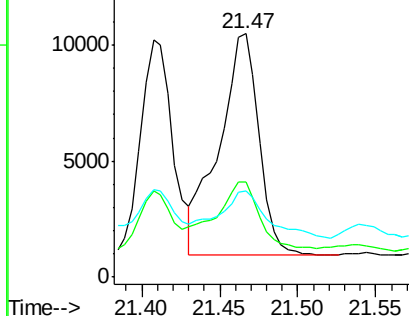


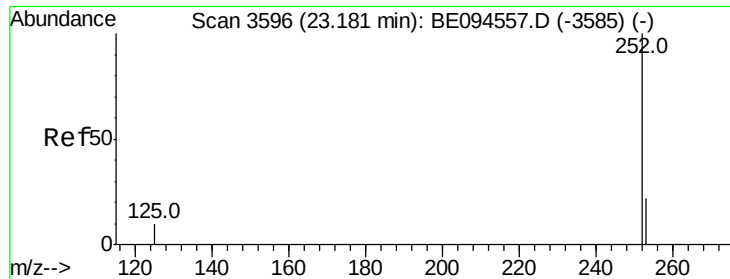
#19
Chrysene
Concen: 0.562 ng/ul
RT: 21.47 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BE094578.D
Acq: 27 Oct 2017 00:46

Tgt Ion:228 Resp: 16967
Ion Ratio Lower Upper
228 100
226 39.0 23.4 35.0#
229 35.6 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: 0.921 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. 0.00 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampleId :

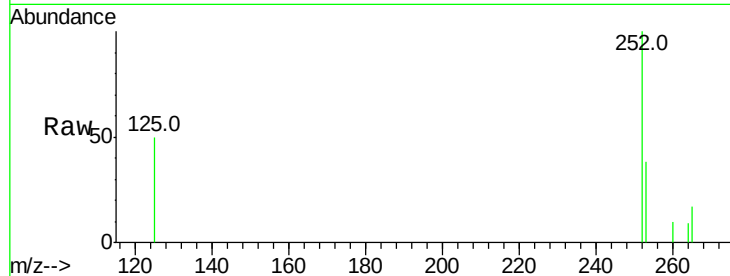
Tot Ion:252 Resp: 27200

Ion Ratio Lower Upper

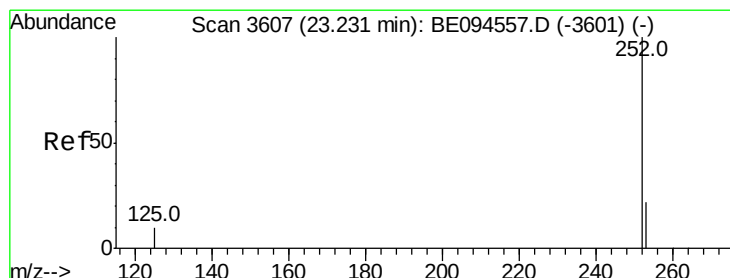
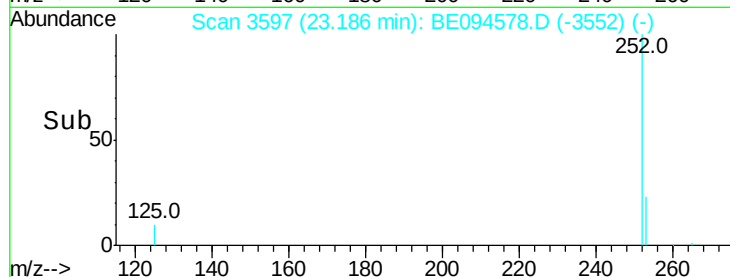
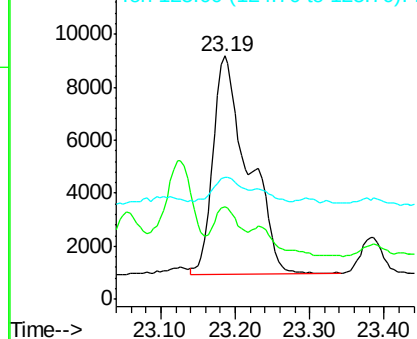
252 100

253 38.0 0.0 64.2

125 50.0 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: 0.845 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

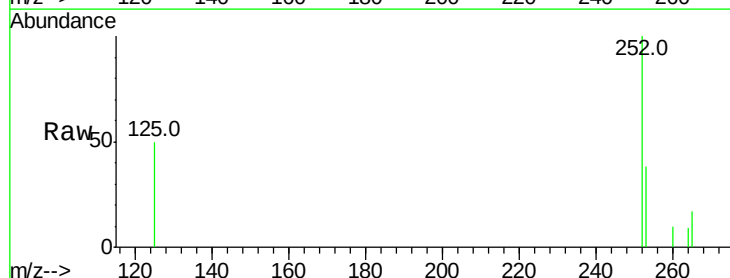
Tgt Ion:252 Resp: 26749

Ion Ratio Lower Upper

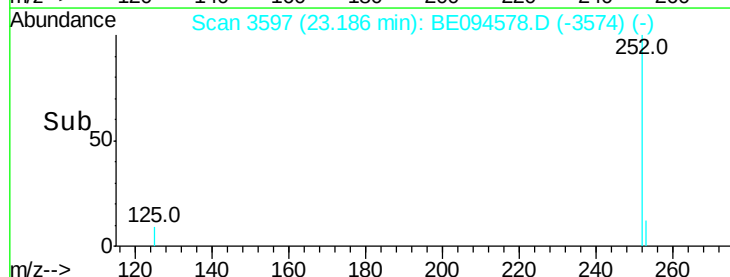
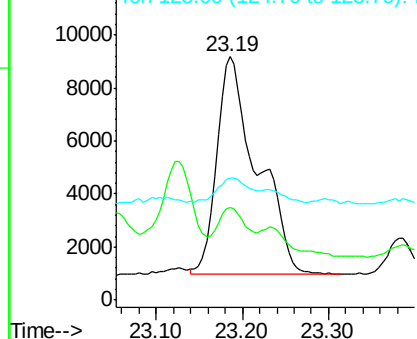
252 100

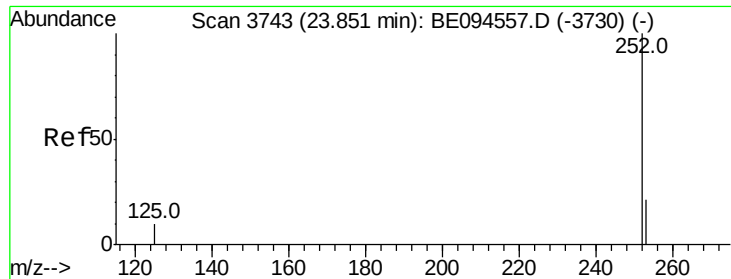
253 38.0 24.5 36.7#

125 50.0 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: 0.453 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampled :

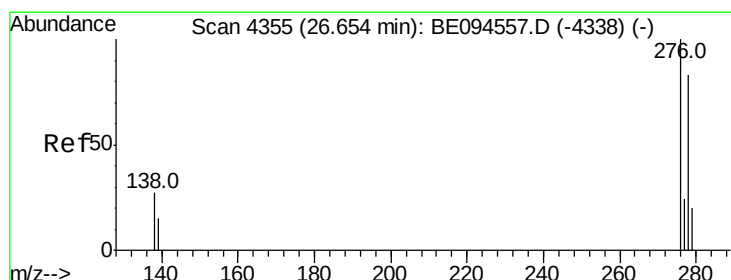
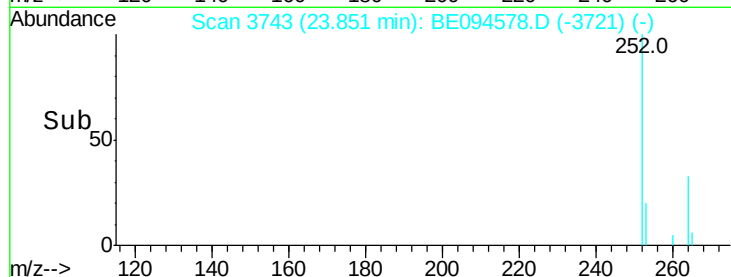
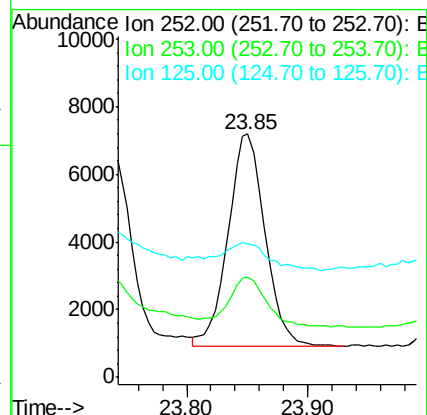
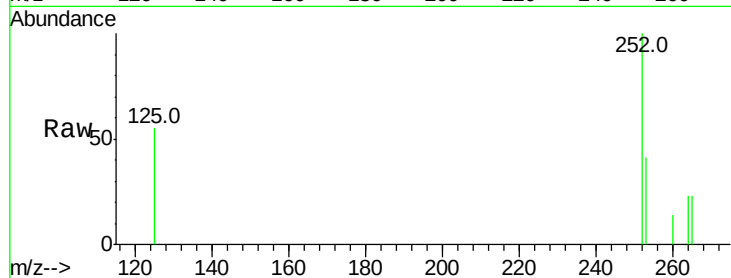
Tot Ion:252 Resp: 13362

Ion Ratio Lower Upper

252 100

253 41.0 28.5 42.7

125 55.0 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.332 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. 0.01 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

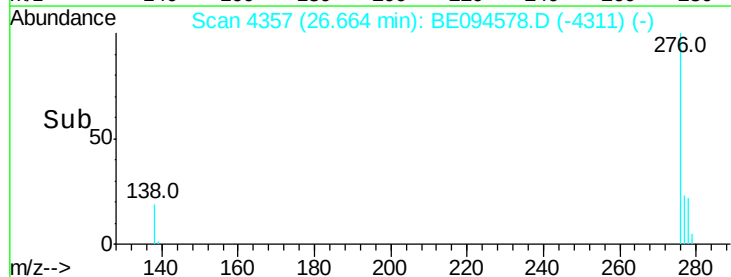
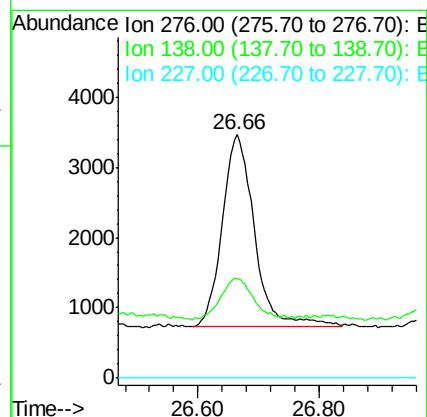
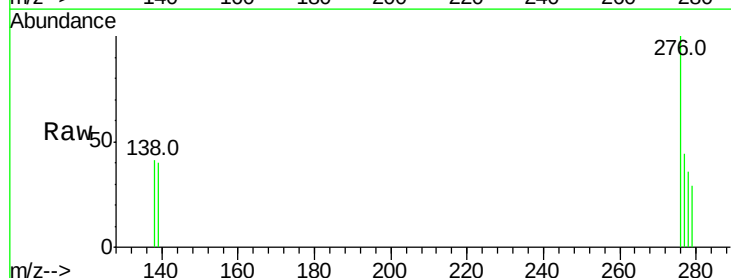
Tgt Ion:276 Resp: 10137

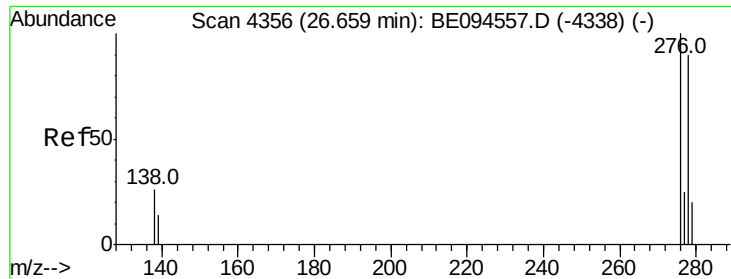
Ion Ratio Lower Upper

276 100

138 21.9 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.102 ng/ul

RT: 26.66 min Scan# 4355

Delta R.T. -0.00 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

Instrument :

BNA_E

ClientSampleId :

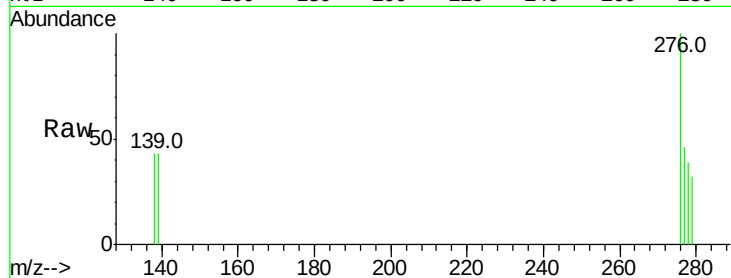
Tot Ion:278 Resp: 2631

Ion Ratio Lower Upper

278 100

139 109.8 17.4 26.0#

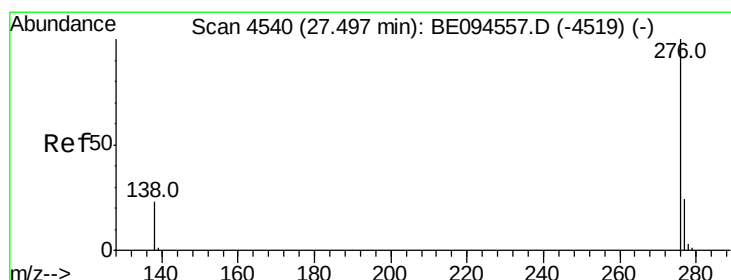
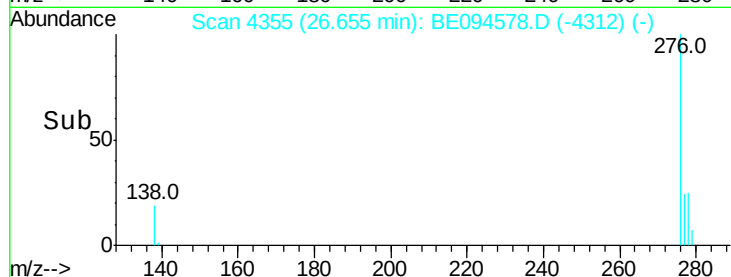
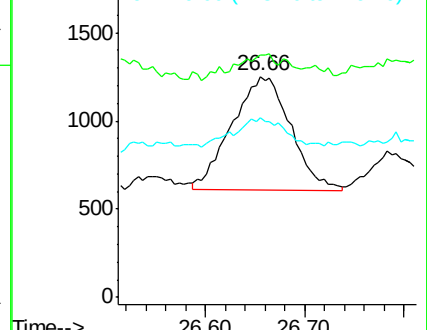
279 81.6 25.9 38.9#



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: 0.376 ng/ul

RT: 27.51 min Scan# 4542

Delta R.T. 0.01 min

Lab File: BE094578.D

Acq: 27 Oct 2017 00:46

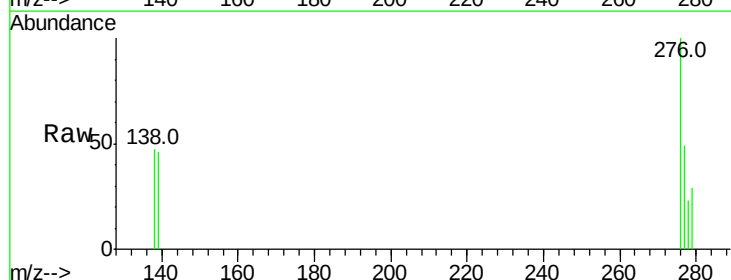
Tgt Ion:276 Resp: 9228

Ion Ratio Lower Upper

276 100

138 47.5 21.8 32.8#

277 48.7 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

