

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102017\
 Data File : BE094467.D
 Acq On : 20 Oct 2017 10:15
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 22 02:46:04 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 17:51:02 2017
 Response via : Initial Calibration

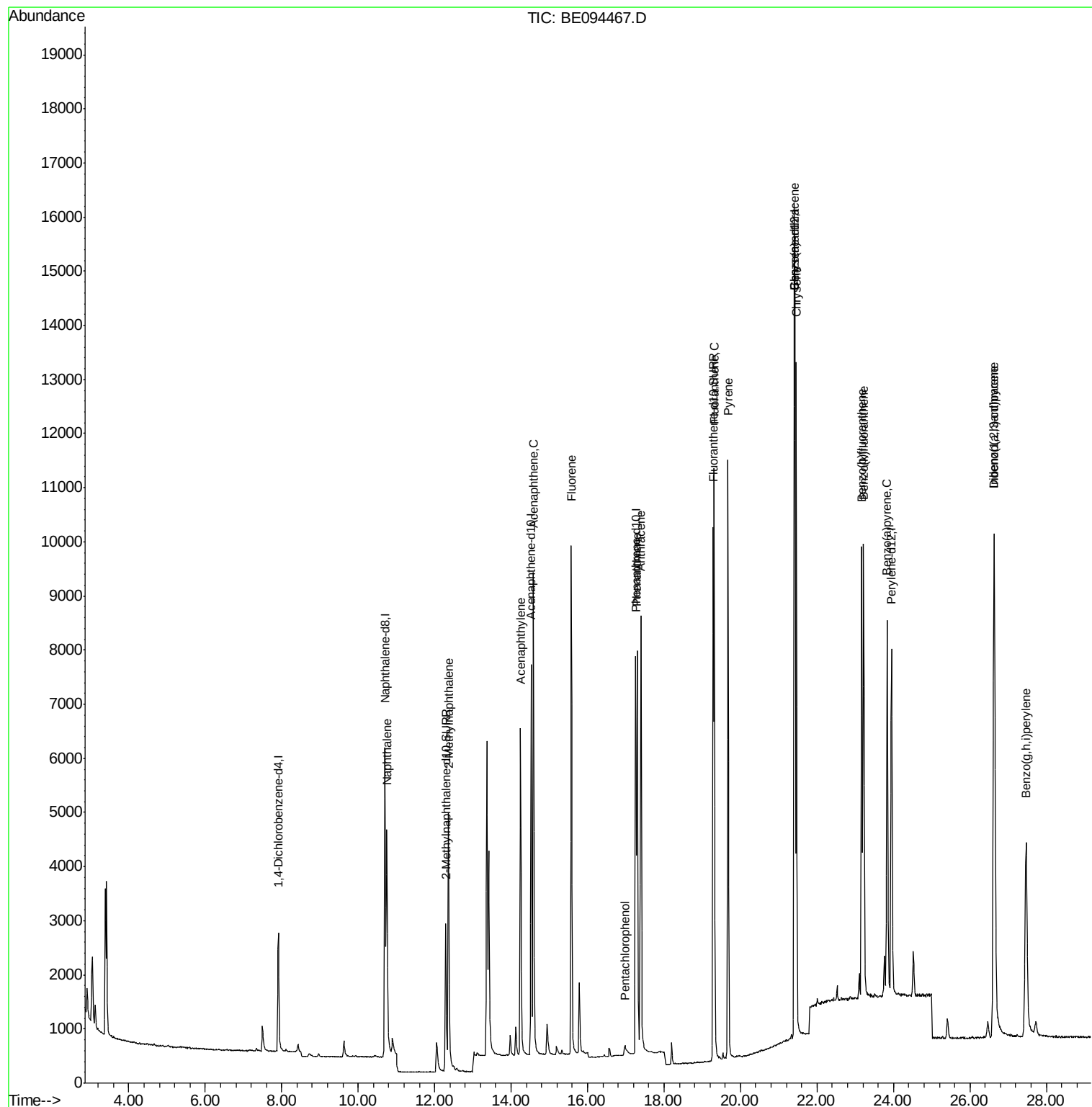
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1465	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7983	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4674	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10678	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	11060	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	10799	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	5118	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	12836	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	7773	0.398	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	5466	0.431	ng/ul	99
7) Acenaphthylene	14.24	152	8627	0.473	ng/ul	97
8) Acenaphthene	14.58	153	6088	0.406	ng/ul	99
9) Fluorene	15.57	166	7054	0.402	ng/ul#	93
11) Pentachlorophenol	16.98	266	479	0.382	ng/ul	98
12) Phenanthrene	17.29	178	11364	0.407	ng/ul#	85
13) Anthracene	17.39	178	11025	0.406	ng/ul#	93
15) Fluoranthene	19.31	202	13206	0.360	ng/ul	85
17) Pyrene	19.68	202	13913	0.452	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	13052	0.445	ng/ul#	86
19) Chrysene	21.46	228	12528	0.370	ng/ul	97
21) Benzo(b)fluoranthene	23.17	252	12198	0.416	ng/ul	90
22) Benzo(k)fluoranthene	23.22	252	12529	0.369	ng/ul	92
23) Benzo(a)pyrene	23.84	252	11908	0.391	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.63	276	13001	0.417	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.64	278	10964	0.419	ng/ul	93
26) Benzo(g,h,i)perylene	27.47	276	10464	0.389	ng/ul	97

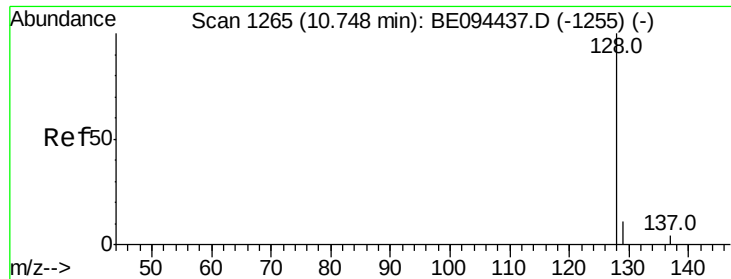
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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BNA_E
ClientSampled :

Quant Time: Oct 22 02:46:04 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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#3

Naphthalene

Concen: 0.398 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

Instrument :

BNA_E

ClientSampleId :

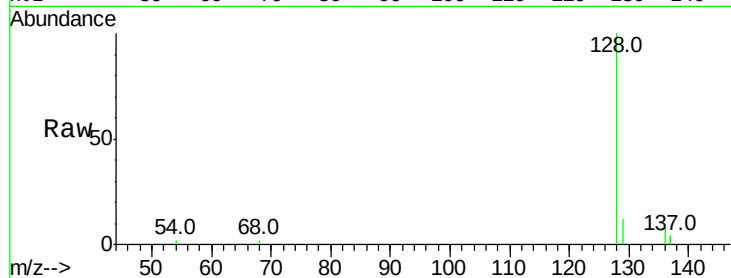
Tot Ion:128 Resp: 7773

Ion Ratio Lower Upper

128 100

129 12.3 11.3 16.9

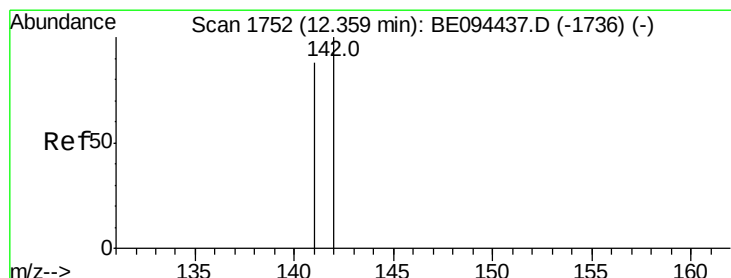
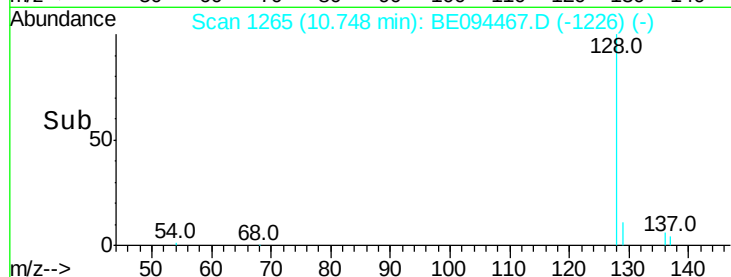
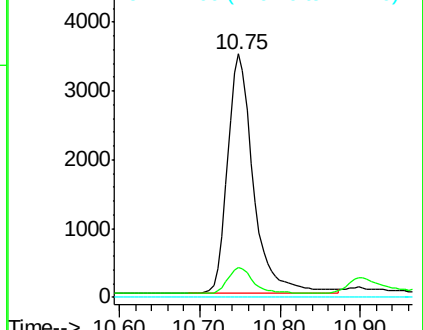
127 0.0 4.0 6.0#



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: 0.431 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE094467.D

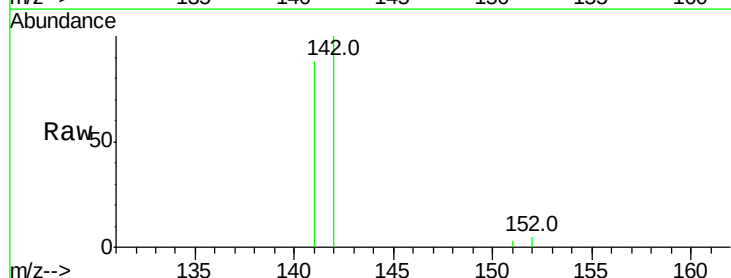
Acq: 20 Oct 2017 10:15

Tgt Ion:142 Resp: 5466

Ion Ratio Lower Upper

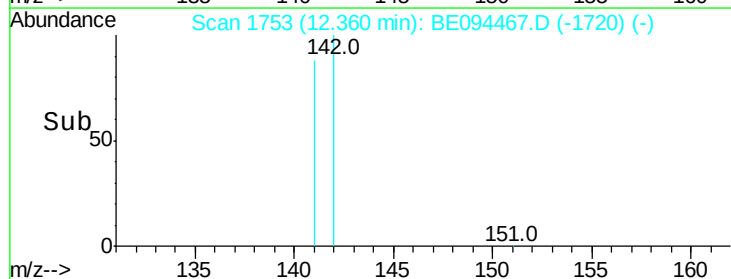
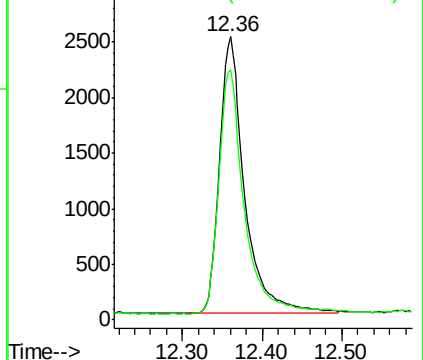
142 100

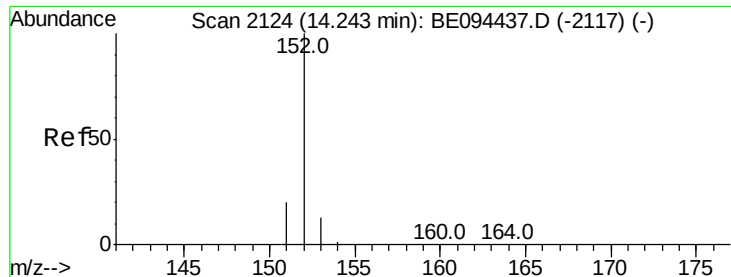
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.473 ng/ul

RT: 14.24 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

Instrument :

BNA_E

ClientSampleId :

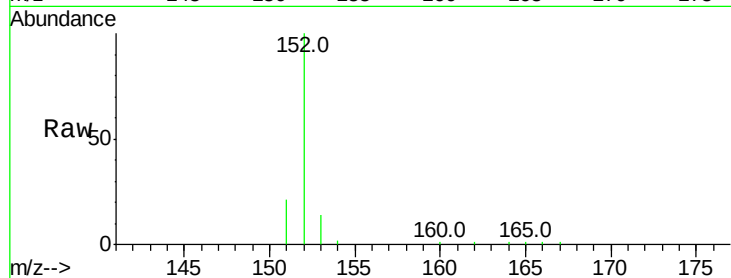
Tot Ion:152 Resp: 8627

Ion Ratio Lower Upper

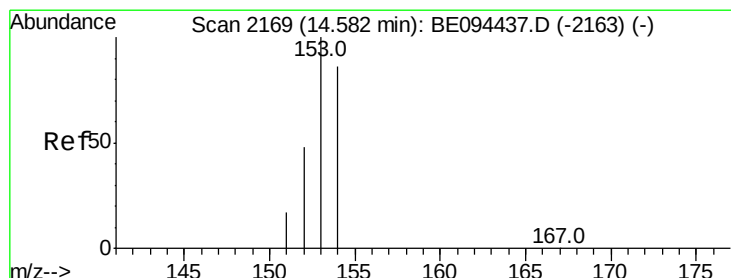
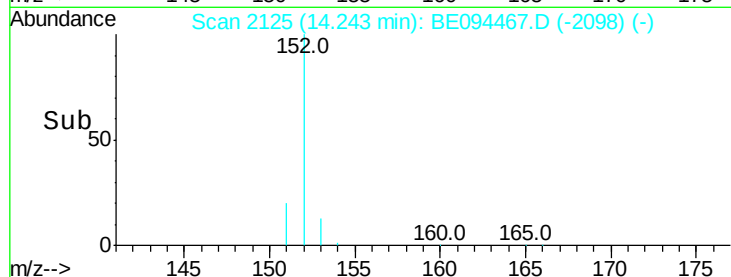
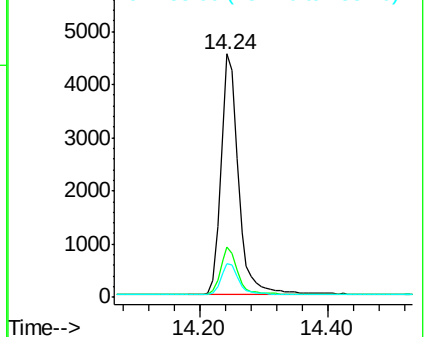
152 100

151 20.8 17.1 25.7

153 13.8 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: 0.406 ng/ul

RT: 14.58 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

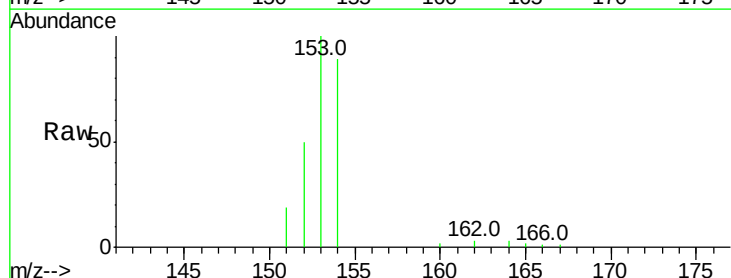
Tgt Ion:153 Resp: 6088

Ion Ratio Lower Upper

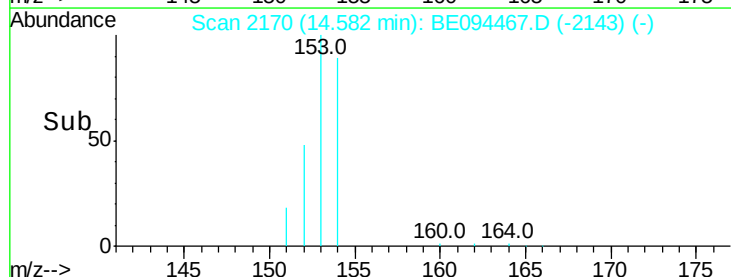
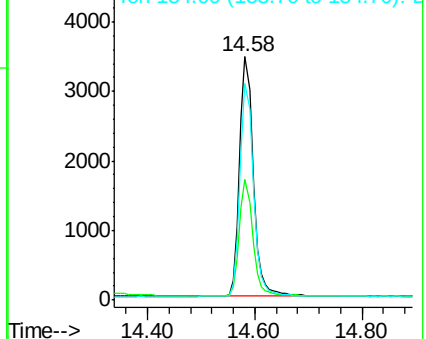
153 100

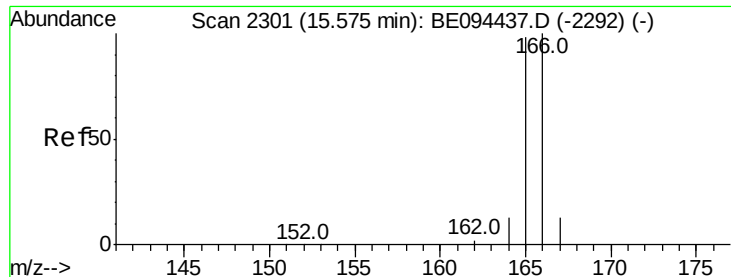
152 49.6 40.3 60.5

154 88.8 71.4 107.2



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

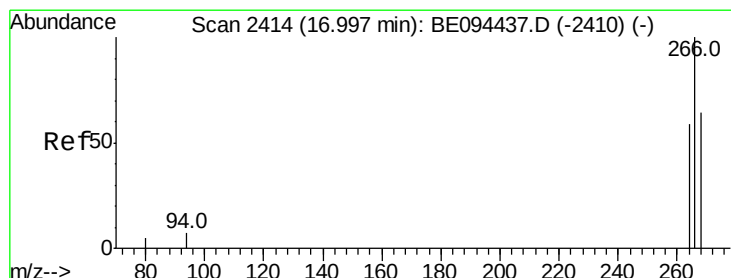
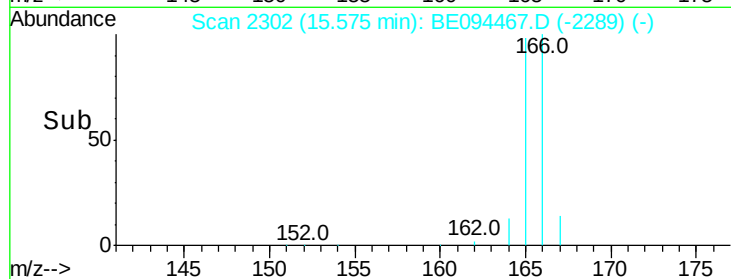
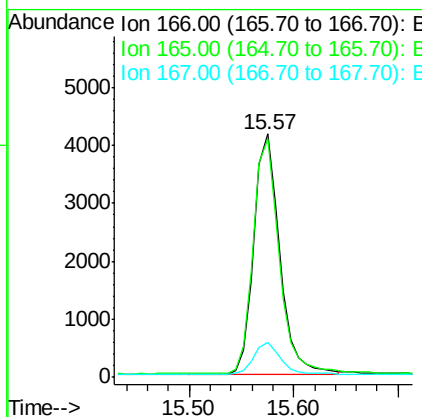
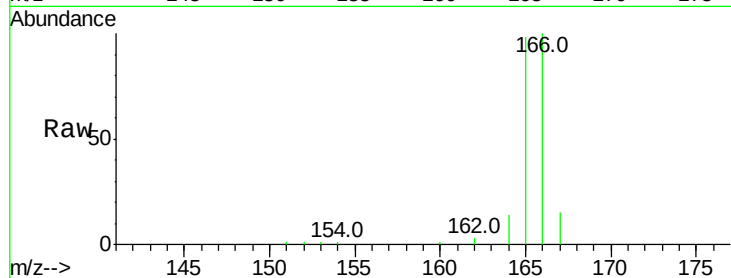




#9
Fluorene
 Concen: 0.402 ng/ul
 RT: 15.57 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: BE094467.D
 Acq: 20 Oct 2017 10:15

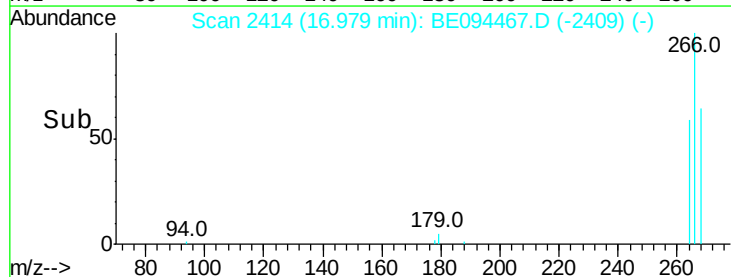
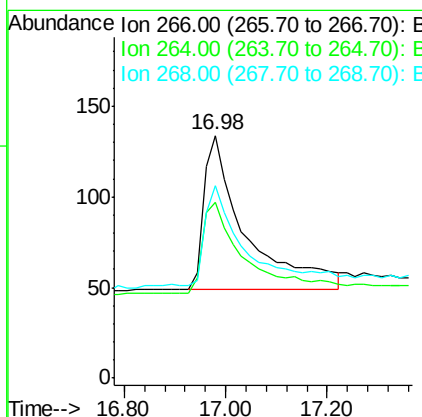
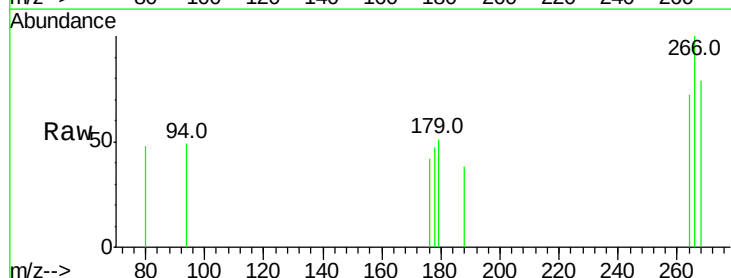
Instrument :
 BNA_E
 ClientSampled :

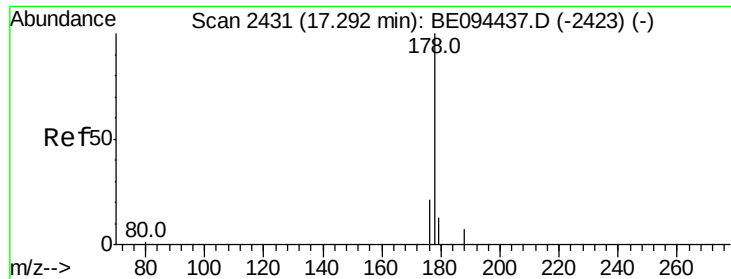
Tot Ion:166 Resp: 7054
 Ion Ratio Lower Upper
 166 100
 165 98.1 73.4 110.2
 167 14.6 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.382 ng/ul
 RT: 16.98 min Scan# 2414
 Delta R.T. -0.02 min
 Lab File: BE094467.D
 Acq: 20 Oct 2017 10:15

Tgt Ion:266 Resp: 479
 Ion Ratio Lower Upper
 266 100
 264 61.4 47.9 71.9
 268 63.3 49.8 74.8





#12

Phenanthrene

Concen: 0.407 ng/ul

RT: 17.29 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

Instrument :

BNA_E

ClientSampleId :

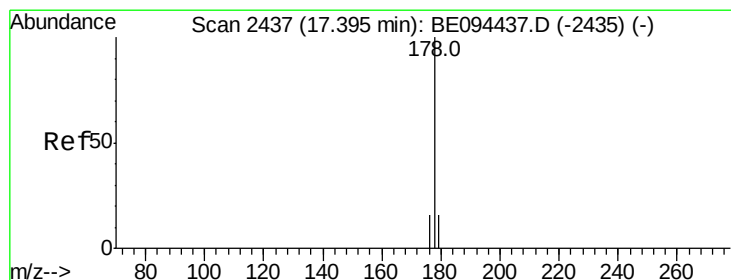
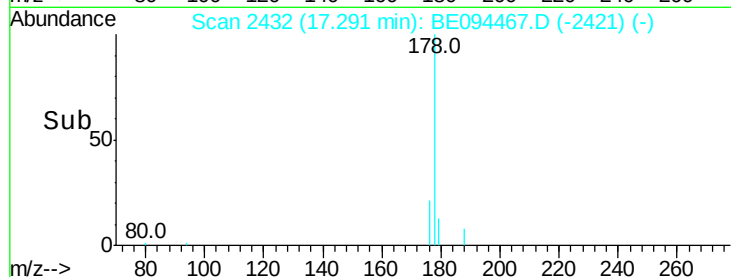
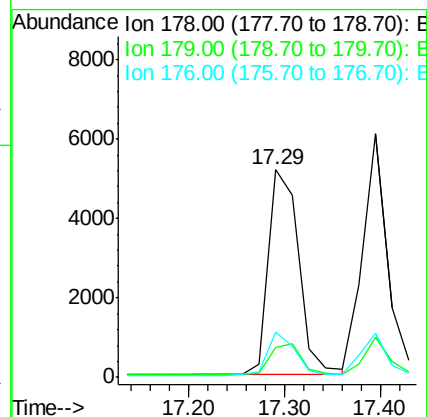
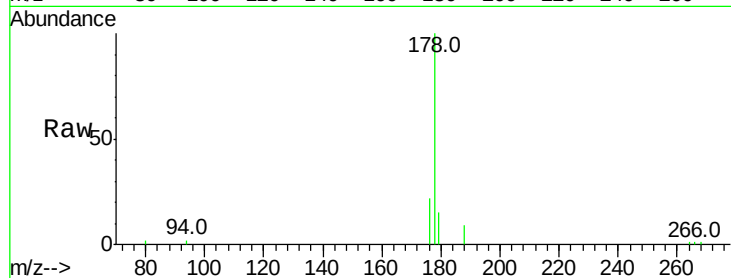
Tot Ion:178 Resp: 11364

Ion Ratio Lower Upper

178 100

179 14.6 18.4 27.6#

176 22.0 13.6 20.4#



#13

Anthracene

Concen: 0.406 ng/ul

RT: 17.39 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

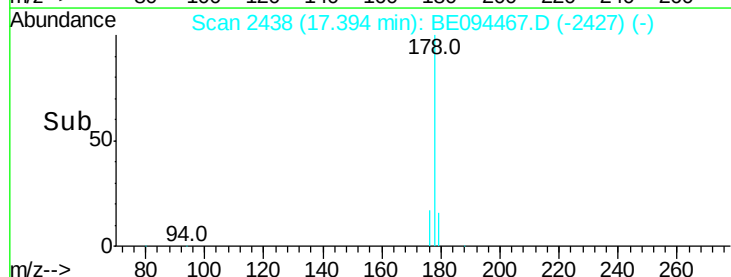
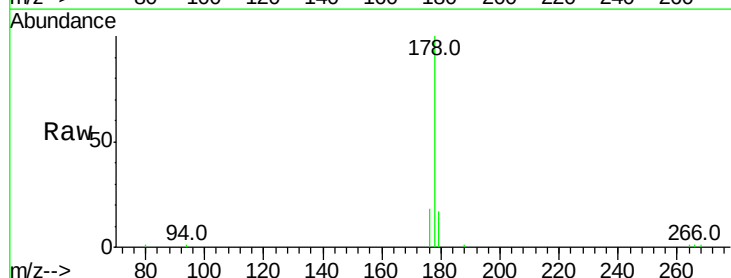
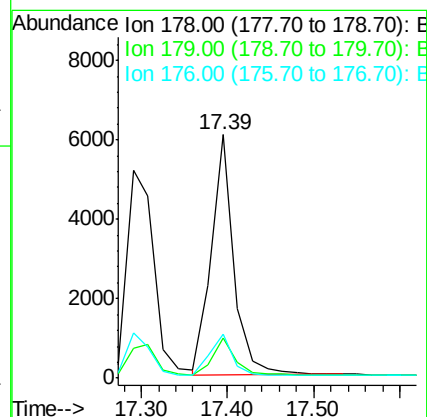
Tgt Ion:178 Resp: 11025

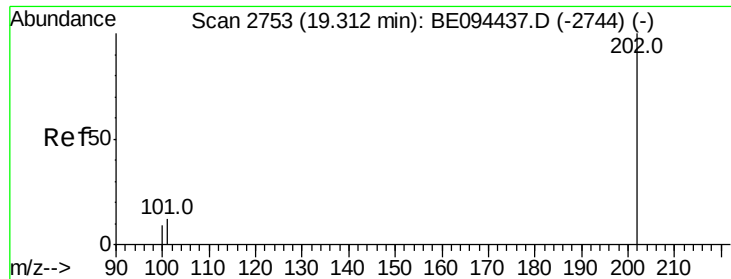
Ion Ratio Lower Upper

178 100

179 16.7 18.1 27.1#

176 18.0 14.7 22.1





#15

Fluoranthene

Concen: 0.360 ng/ul

RT: 19.31 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

Instrument :

BNA_E

ClientSampleId :

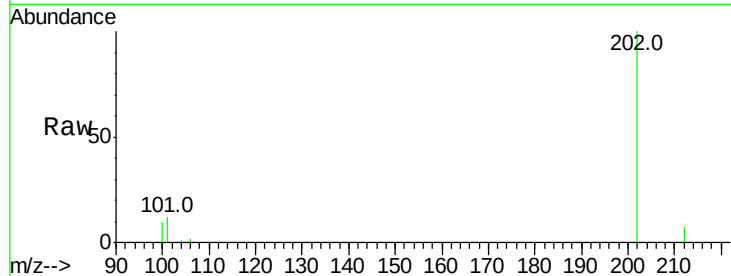
Tot Ion:202 Resp: 13206

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

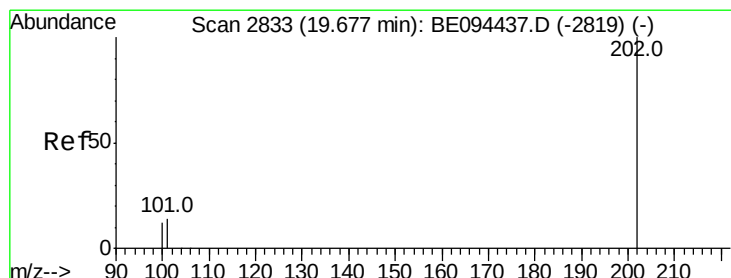
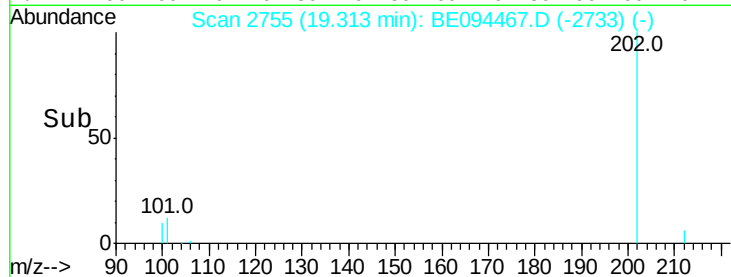
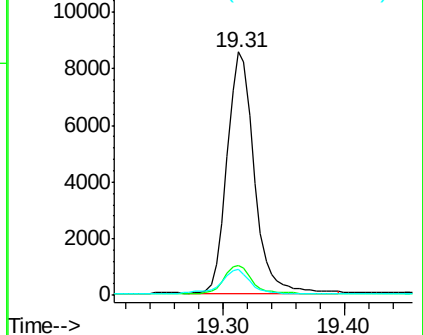
100 10.4 0.0 39.5



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: 0.452 ng/ul

RT: 19.68 min Scan# 2835

Delta R.T. 0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

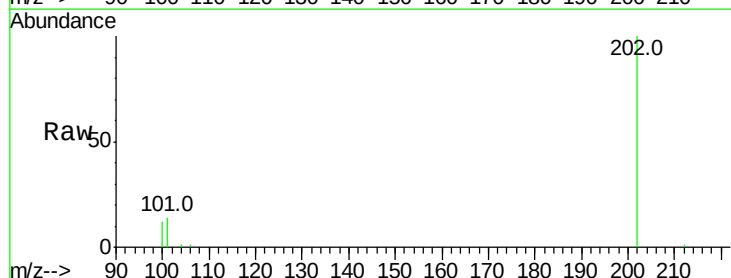
Tgt Ion:202 Resp: 13913

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

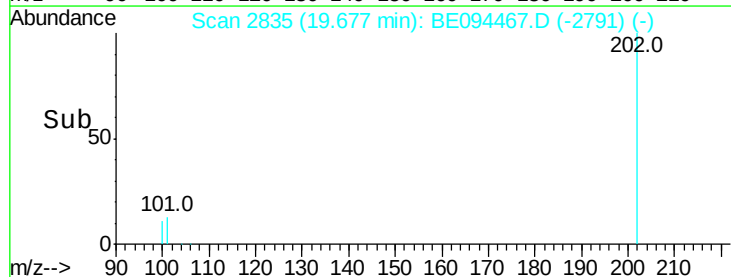
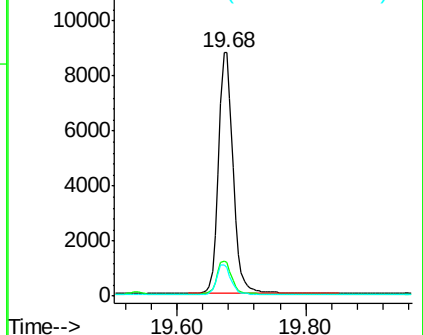
100 11.7 15.6 23.4#

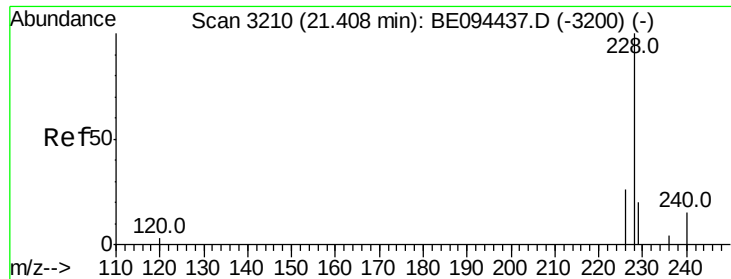


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

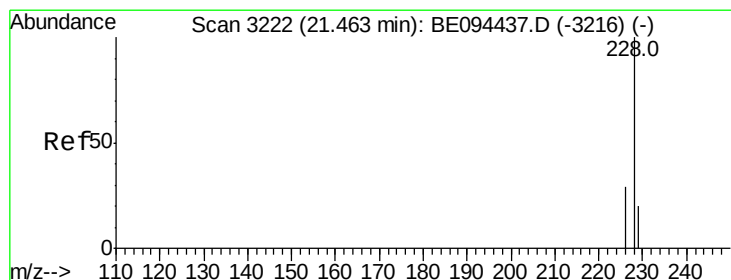
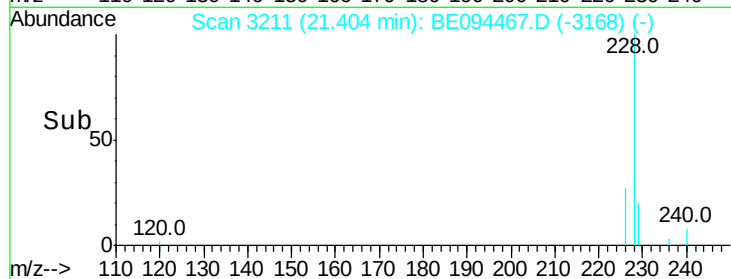
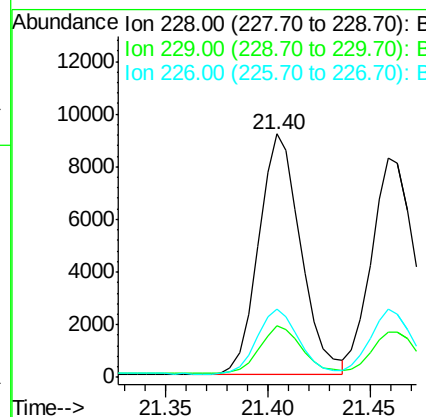
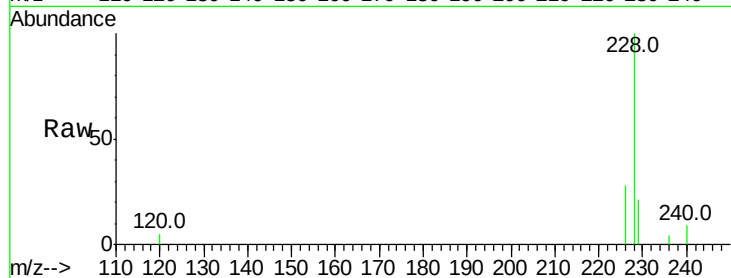




#18
Benzo(a)anthracene
Concen: 0.445 ng/ul
RT: 21.40 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094467.D
Acq: 20 Oct 2017 10:15

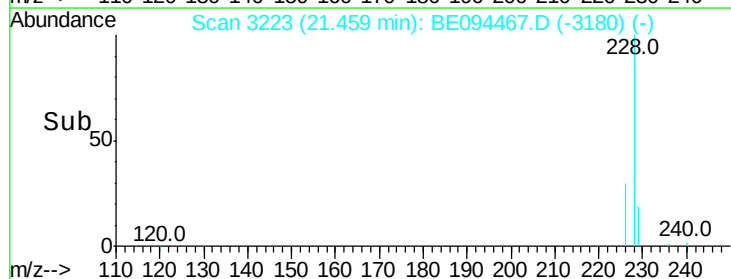
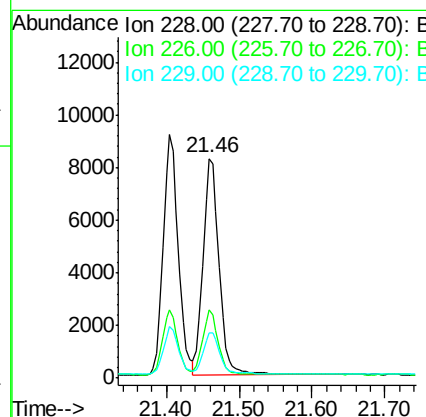
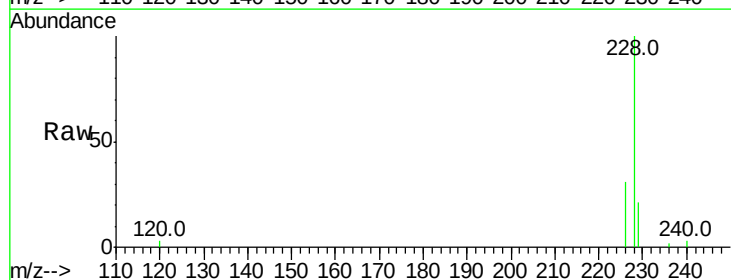
Instrument :
BNA_E
ClientSampleId :

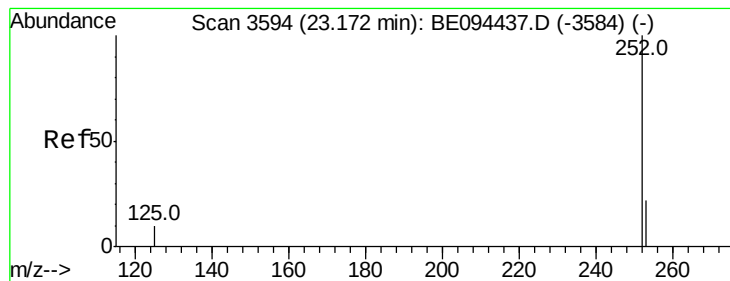
Tot Ion:228 Resp: 13052
Ion Ratio Lower Upper
228 100
229 21.1 22.8 34.2#
226 27.8 17.0 25.6#



#19
Chrysene
Concen: 0.370 ng/ul
RT: 21.46 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BE094467.D
Acq: 20 Oct 2017 10:15

Tgt Ion:228 Resp: 12528
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.0
229 20.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.416 ng/ul

RT: 23.17 min Scan# 3596

Delta R.T. 0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

Instrument :

BNA_E

ClientSampleId :

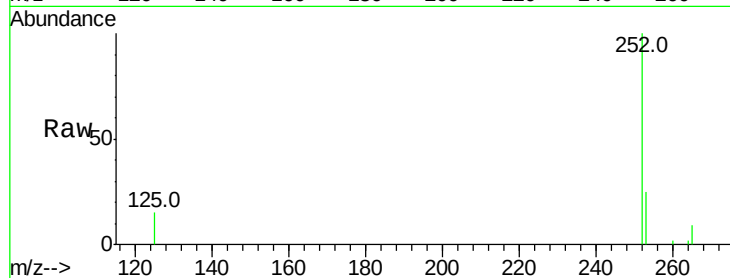
Tot Ion:252 Resp: 12198

Ion Ratio Lower Upper

252 100

253 25.0 0.0 64.2

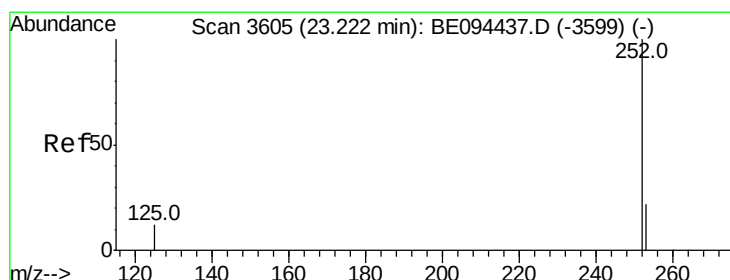
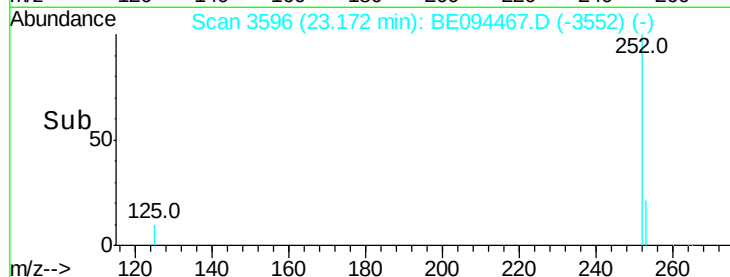
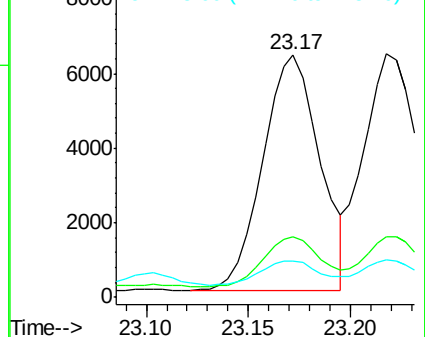
125 15.1 0.0 35.0



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: 0.369 ng/ul

RT: 23.22 min Scan# 3606

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

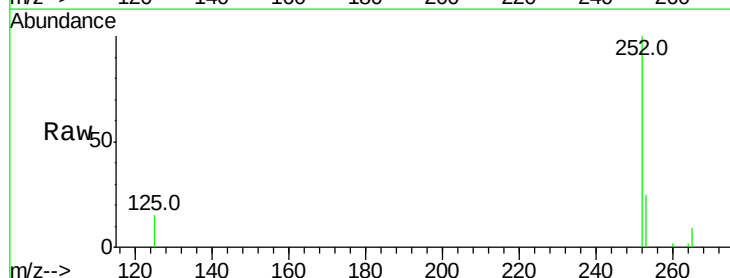
Tgt Ion:252 Resp: 12529

Ion Ratio Lower Upper

252 100

253 25.0 24.5 36.7

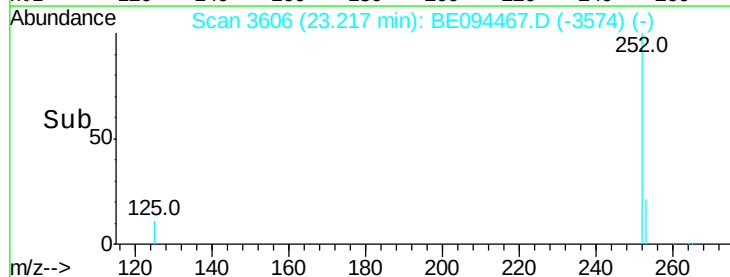
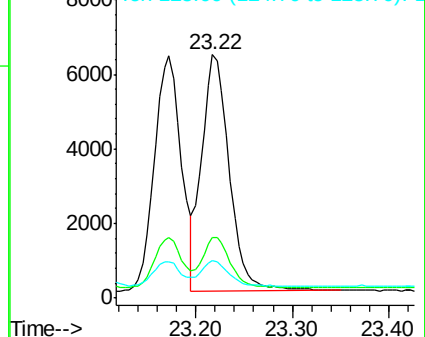
125 15.3 13.7 20.5

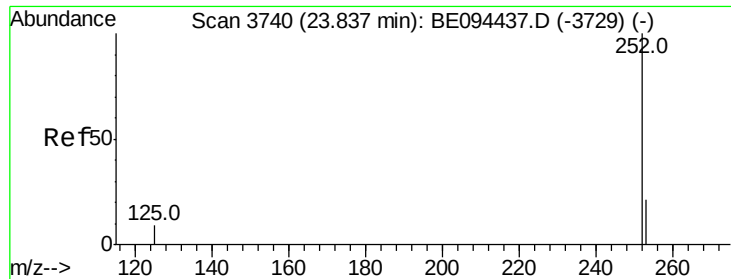


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.391 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. 0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

Instrument :

BNA_E

ClientSampleId :

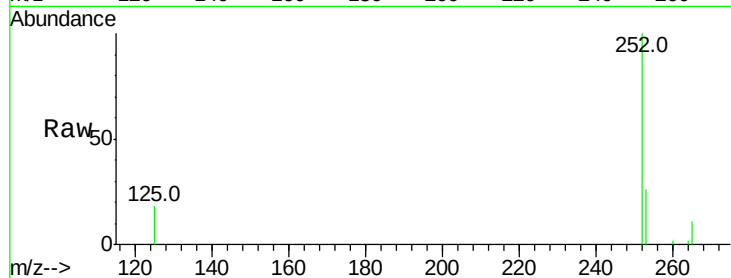
Tot Ion:252 Resp: 11908

Ion Ratio Lower Upper

252 100

253 26.4 28.5 42.7#

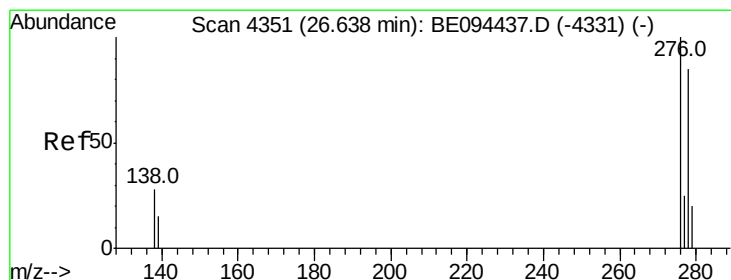
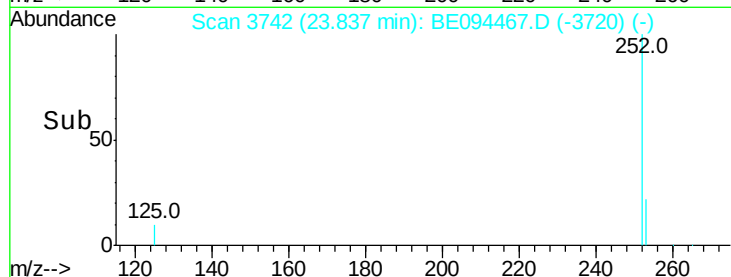
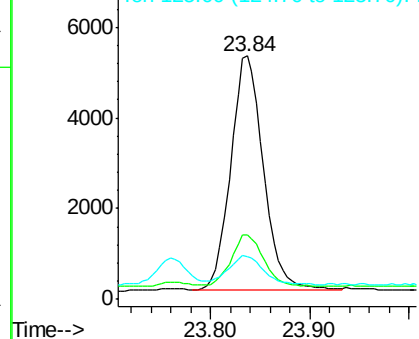
125 17.7 18.1 27.1#



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: 0.417 ng/ul

RT: 26.63 min Scan# 4352

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

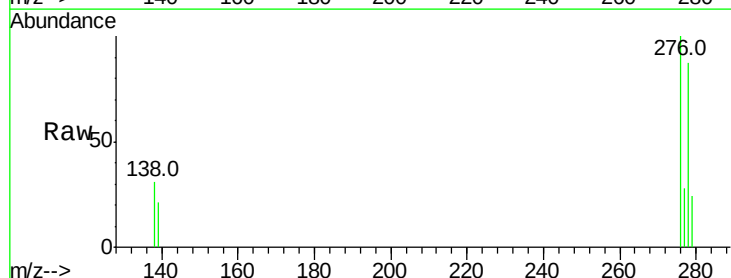
Tgt Ion:276 Resp: 13001

Ion Ratio Lower Upper

276 100

138 27.4 28.0 42.0#

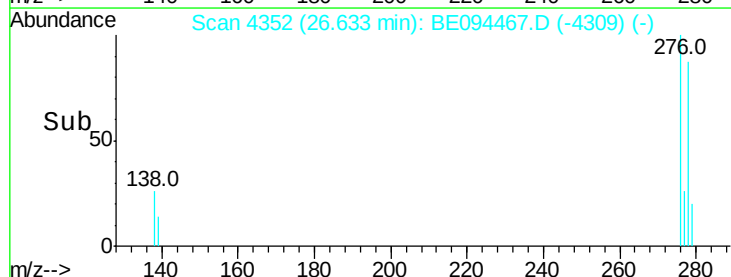
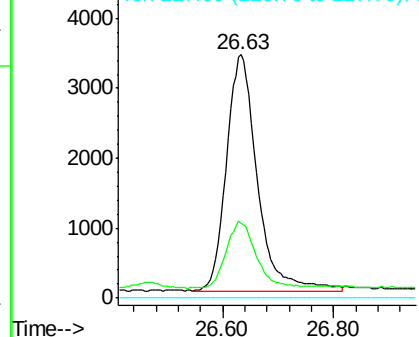
227 0.0 8.0 12.0#

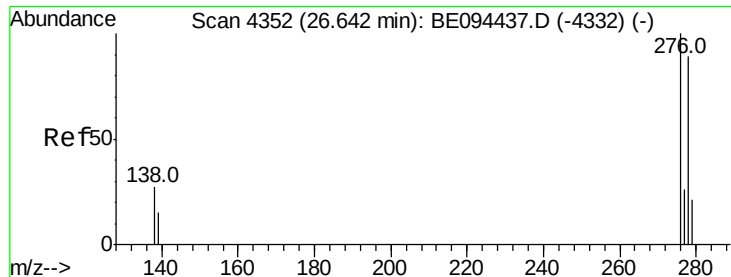


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.419 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

Instrument :

BNA_E

ClientSampleId :

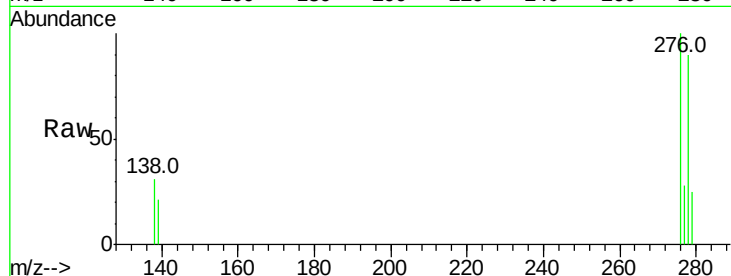
Tot Ion:278 Resp: 10964

Ion Ratio Lower Upper

278 100

139 23.5 17.4 26.0

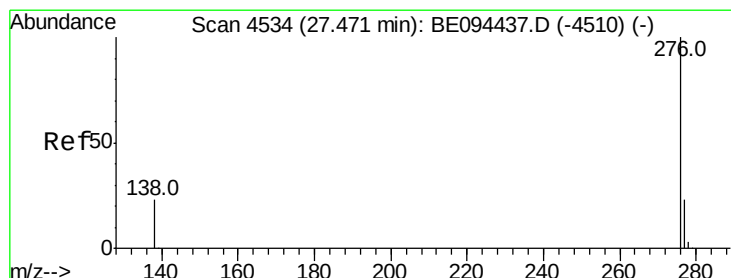
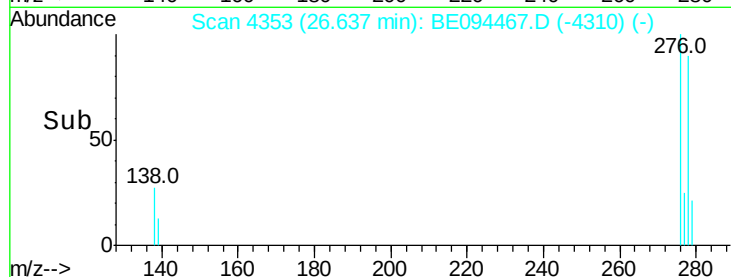
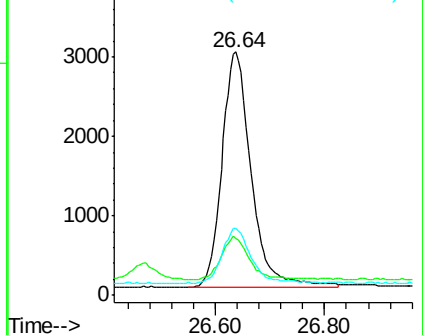
279 27.4 25.9 38.9



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: 0.389 ng/ul

RT: 27.47 min Scan# 4535

Delta R.T. -0.00 min

Lab File: BE094467.D

Acq: 20 Oct 2017 10:15

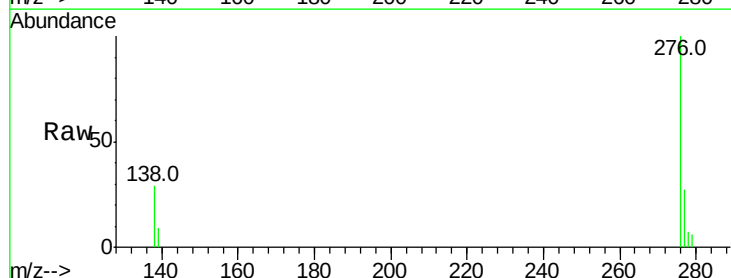
Tgt Ion:276 Resp: 10464

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.8

277 27.0 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

