

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094541.D
 Acq On : 25 Oct 2017 20:05
 Operator : SJ/JU
 Sample : I5693-02 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 11:58:54 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

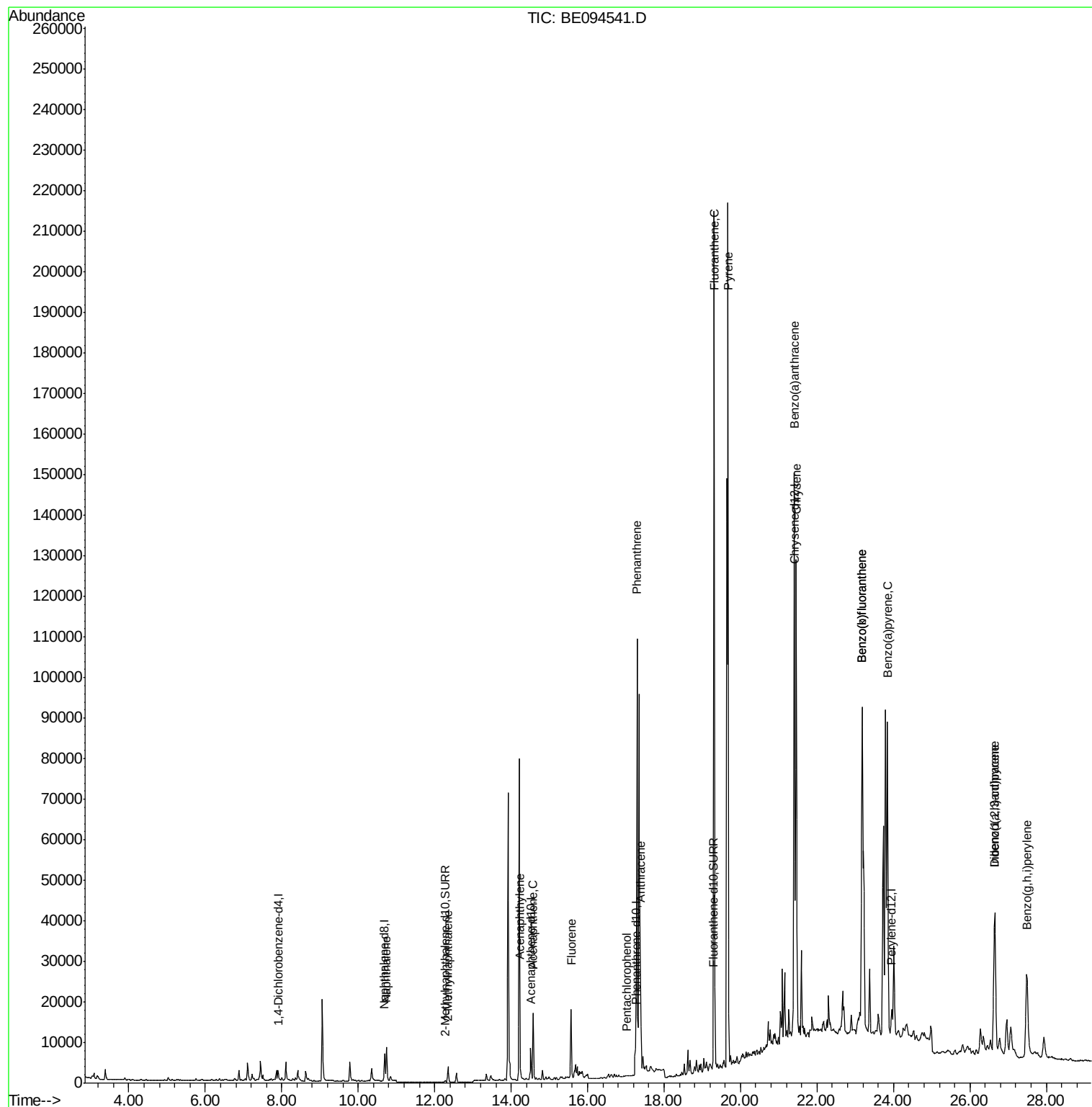
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1337	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7785	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4485	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9683	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9533	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10385	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	748	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1790	0.06	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	13353	0.702	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	3894	0.292	ng/ul	99
7) Acenaphthylene	14.24	152	1688	0.083	ng/ul#	83
8) Acenaphthene	14.57	153	10417	0.715	ng/ul	96
9) Fluorene	15.57	166	11736	0.717	ng/ul	95
11) Pentachlorophenol	17.03	266	27	0.056	ng/ul#	26
12) Phenanthrene	17.29	178	120478	4.711	ng/ul#	91
13) Anthracene	17.38	178	34411	1.363	ng/ul#	91
15) Fluoranthene	19.31	202	246279	8.329	ng/ul	84
17) Pyrene	19.67	202	237750	8.067	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	132344	4.856	ng/ul#	88
19) Chrysene	21.46	228	125472	4.454	ng/ul	95
21) Benzo(b)fluoranthene	23.18	252	207335	7.097	ng/ul	92
22) Benzo(k)fluoranthene	23.18	252	207339	6.623	ng/ul	94
23) Benzo(a)pyrene	23.84	252	119464	4.091	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.65	276	70443	2.331	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.65	278	17621	0.692	ng/ul#	72
26) Benzo(g,h,i)perylene	27.48	276	57702	2.378	ng/ul	94

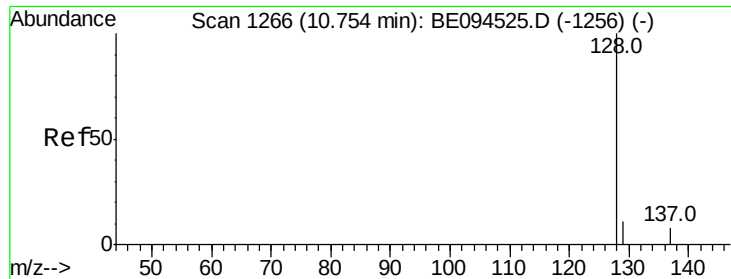
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.702 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Instrument :

BNA_E

ClientSampleId :

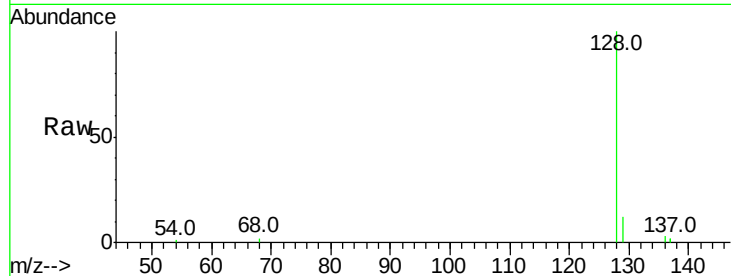
Tot Ion:128 Resp: 13353

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

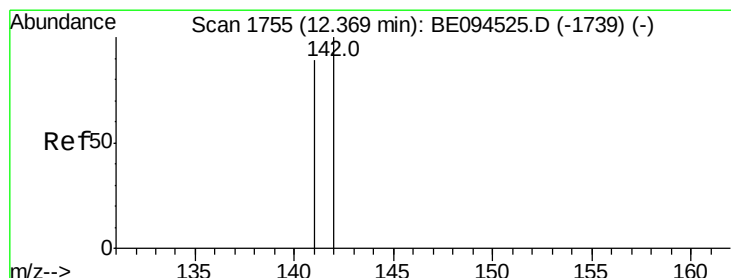
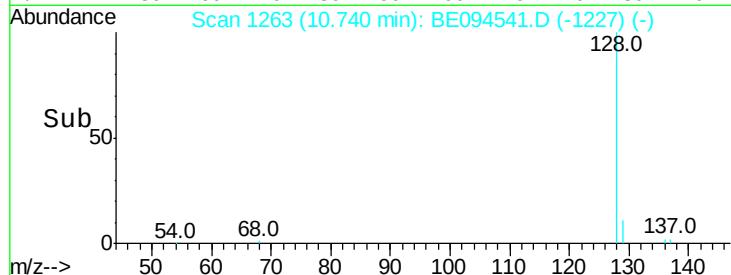
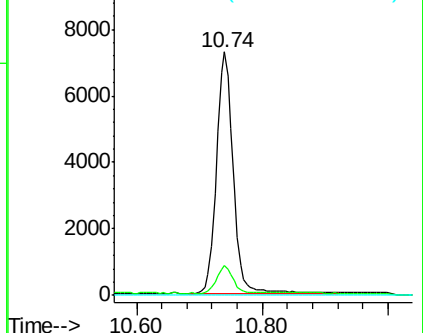
127 0.0 4.0 6.0#



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: 0.292 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BE094541.D

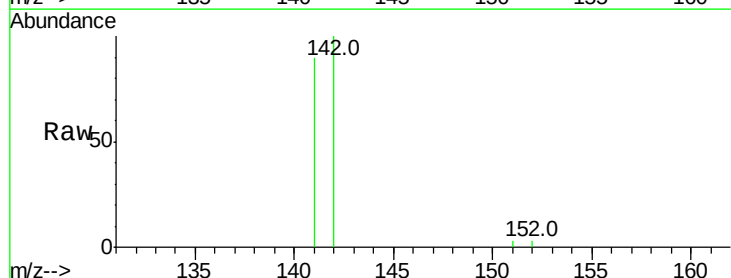
Acq: 25 Oct 2017 20:05

Tgt Ion:142 Resp: 3894

Ion Ratio Lower Upper

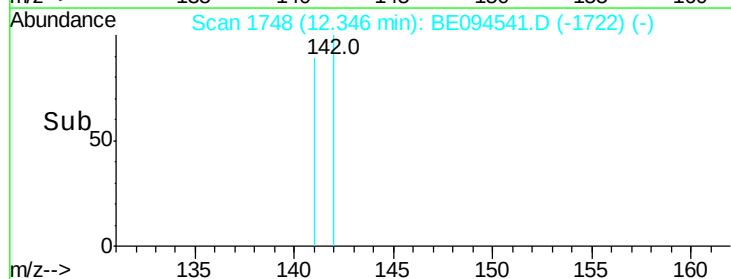
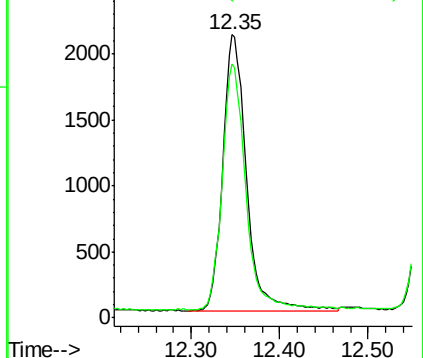
142 100

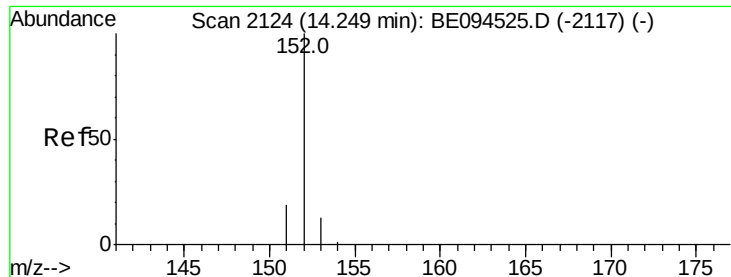
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.083 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Instrument :

BNA_E

ClientSampleId :

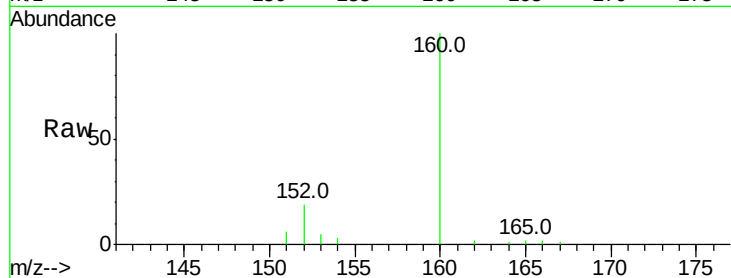
Tot Ion:152 Resp: 1688

Ion Ratio Lower Upper

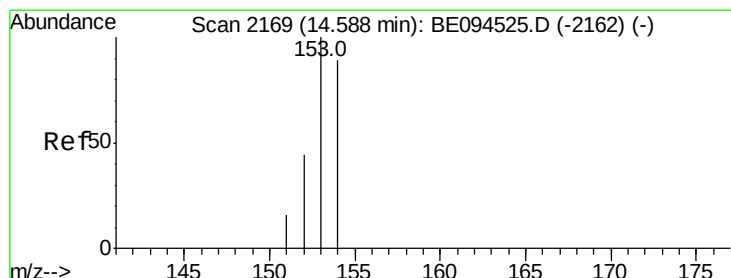
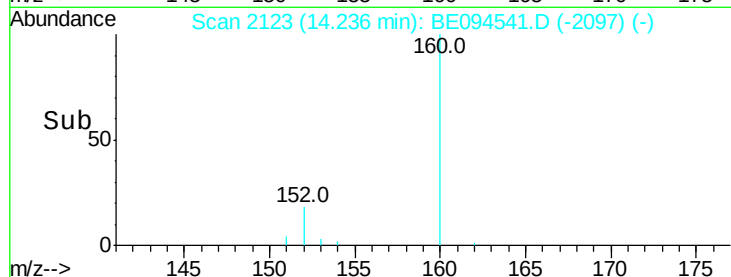
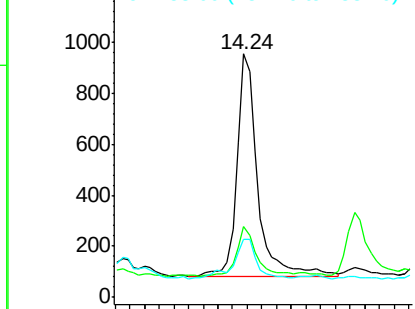
152 100

151 28.9 17.1 25.7#

153 23.8 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: 0.715 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

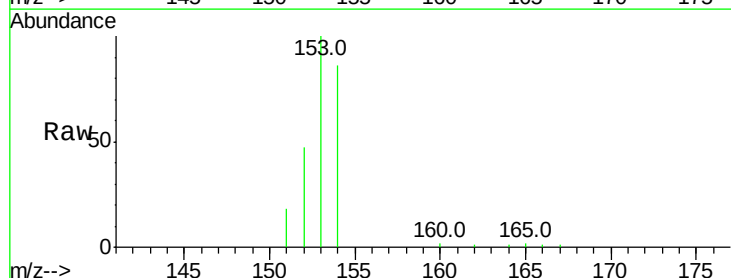
Tgt Ion:153 Resp: 10417

Ion Ratio Lower Upper

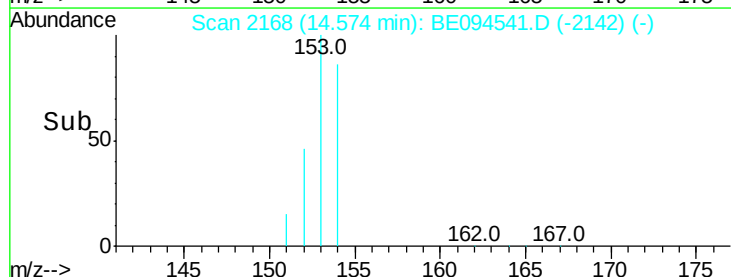
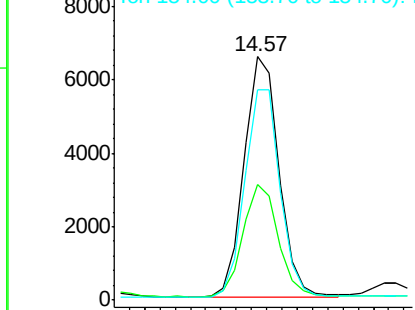
153 100

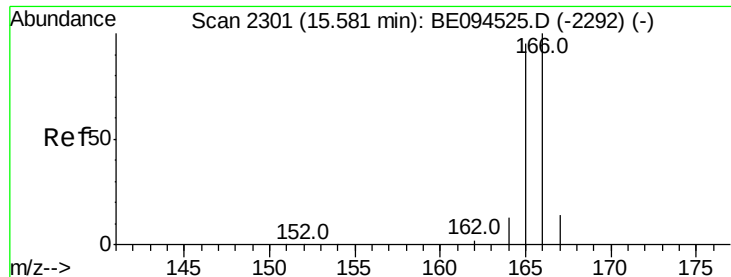
152 47.4 36.0 54.0

154 86.5 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: 0.717 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Instrument :

BNA_E

ClientSampleId :

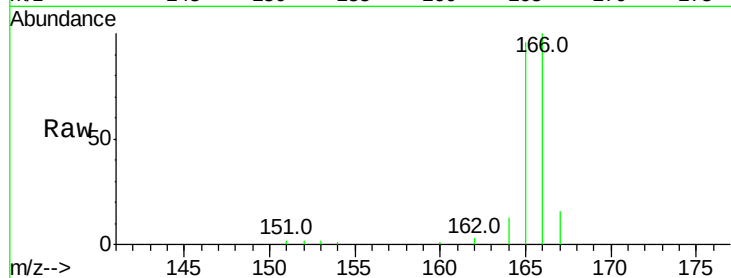
Tot Ion:166 Resp: 11736

Ion Ratio Lower Upper

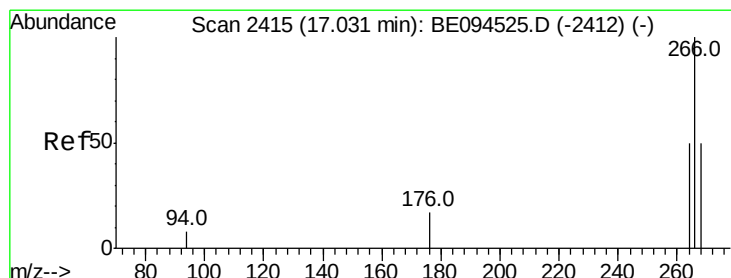
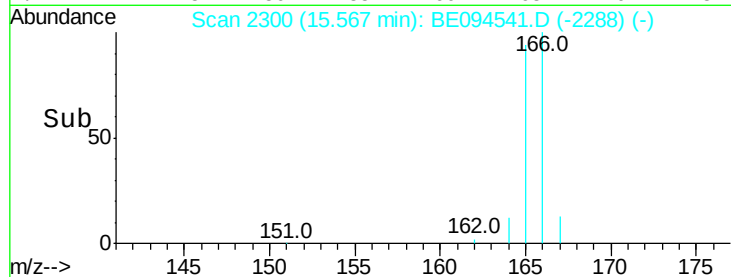
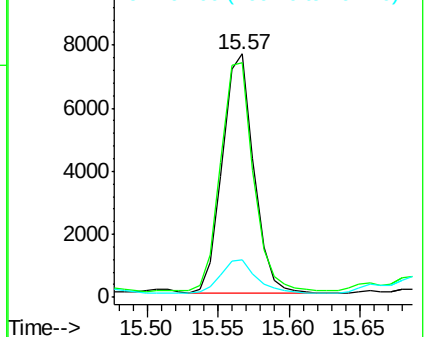
166 100

165 96.3 73.4 110.2

167 15.6 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: 0.056 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

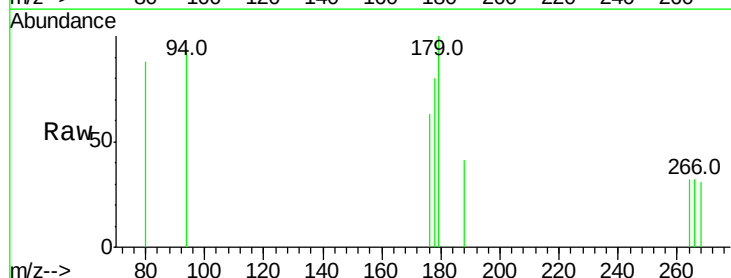
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

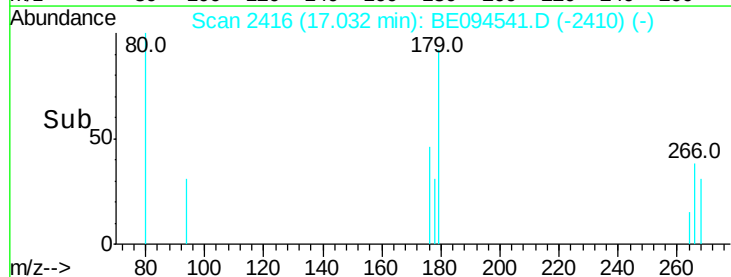
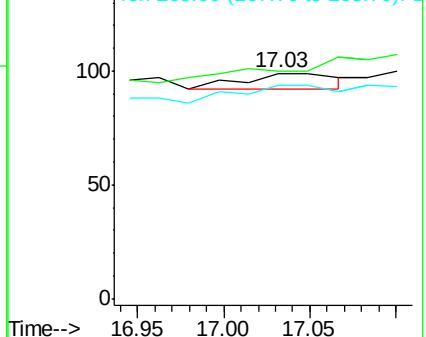
266 100

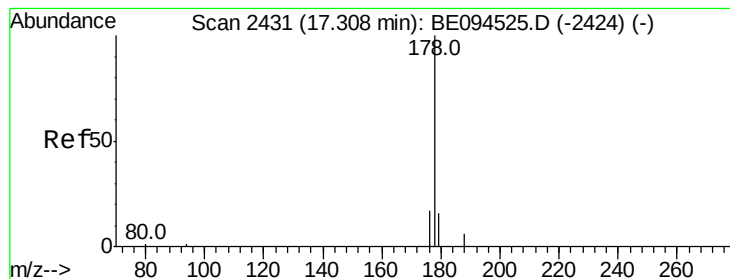
264 0.0 47.9 71.9#

268 114.8 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: 4.711 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Instrument :

BNA_E

ClientSampled :

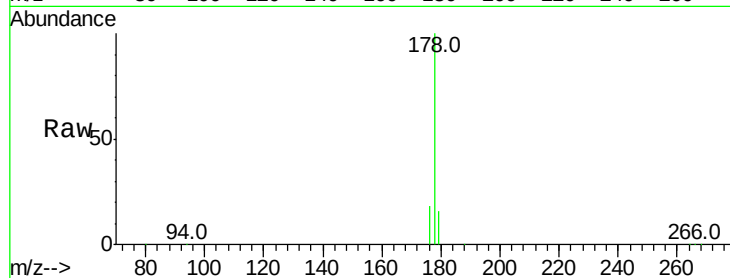
Tot Ion:178 Resp: 120478

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

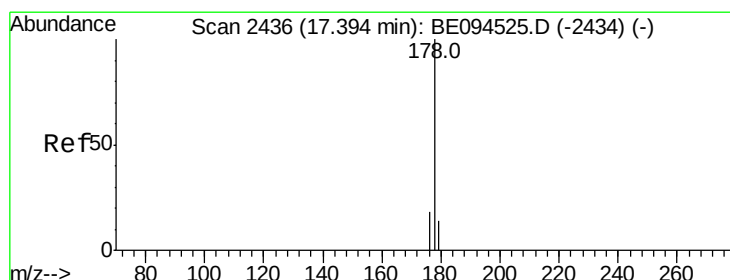
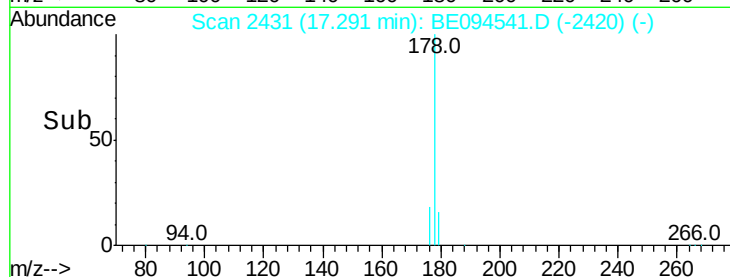
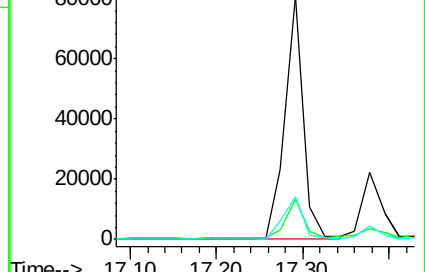
176 17.7 13.6 20.4



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: 1.363 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

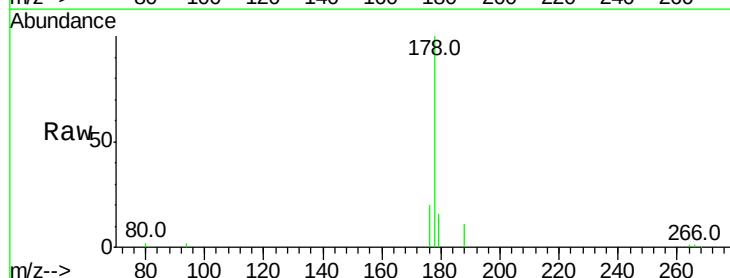
Tgt Ion:178 Resp: 34411

Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

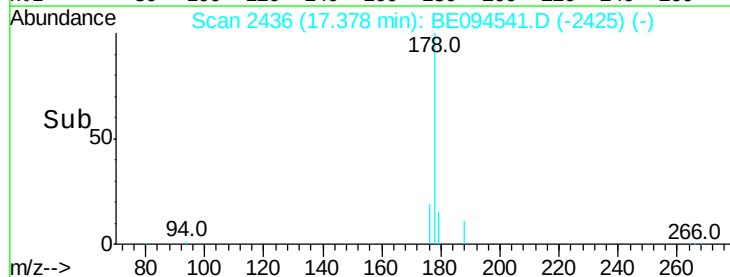
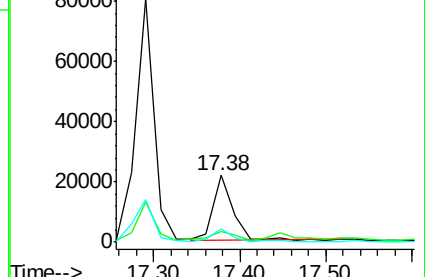
176 19.7 14.7 22.1

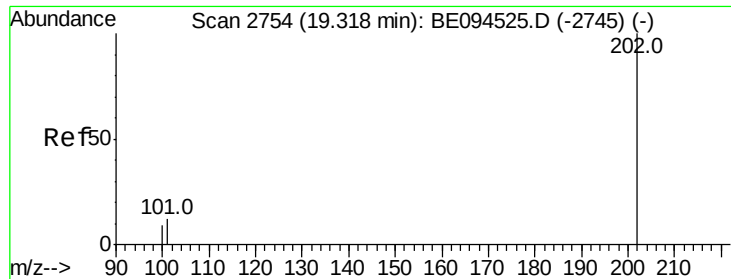


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

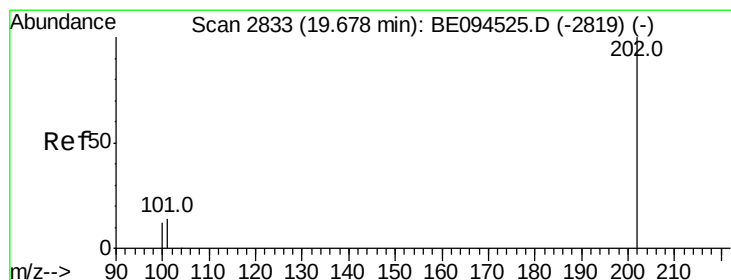
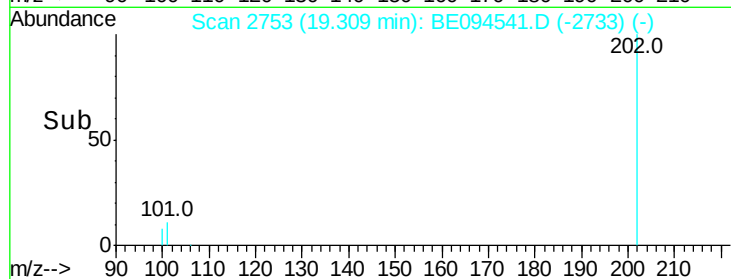
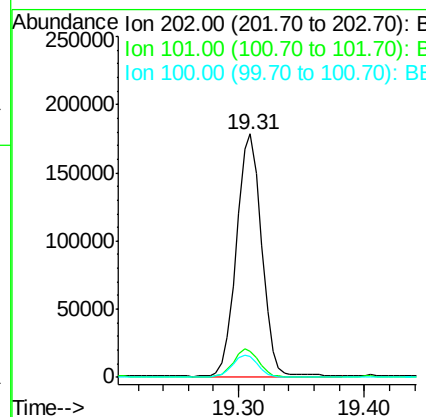
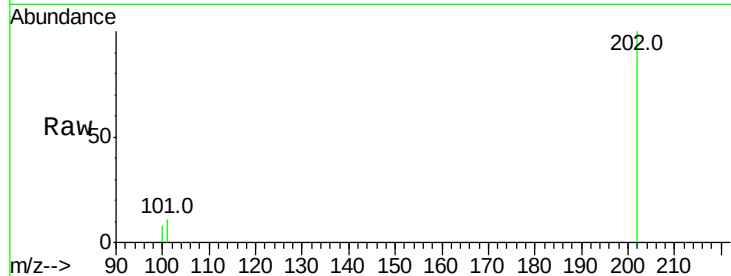




#15
 Fluoranthene
 Concen: 8.329 ng/ul
 RT: 19.31 min Scan# 2753
 Delta R.T. -0.01 min
 Lab File: BE094541.D
 Acq: 25 Oct 2017 20:05

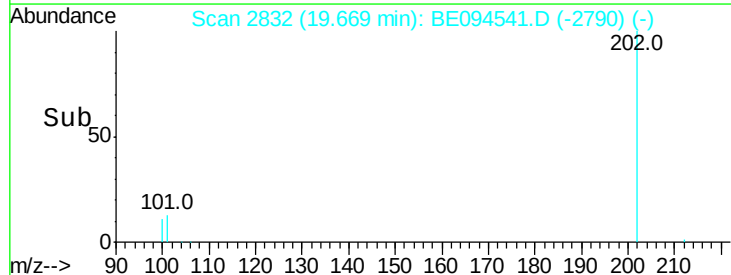
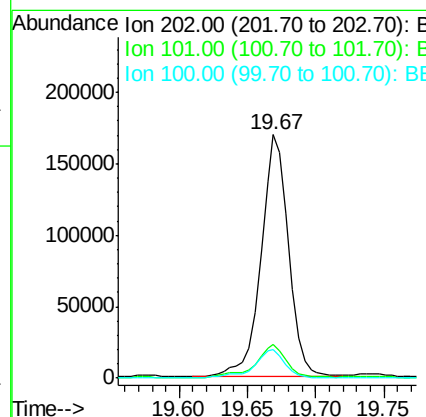
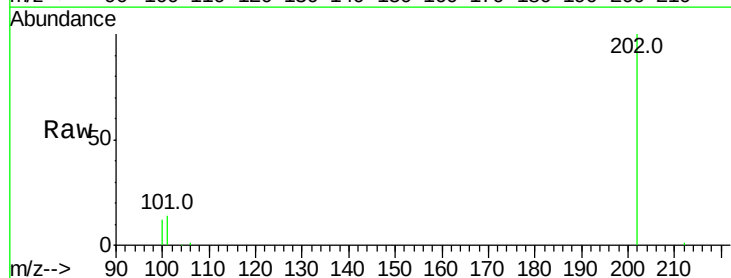
Instrument :
 BNA_E
 ClientSampleId :

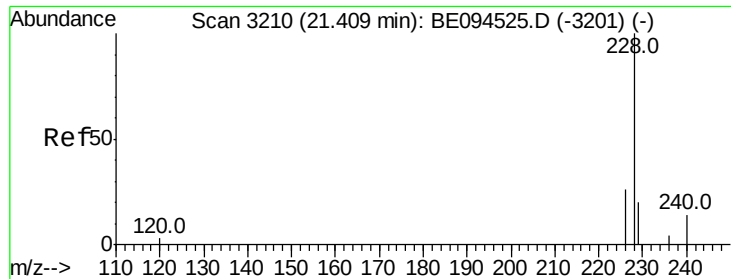
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.3
100	8.5	0.0	39.5



#17
 Pyrene
 Concen: 8.067 ng/ul
 RT: 19.67 min Scan# 2832
 Delta R.T. -0.01 min
 Lab File: BE094541.D
 Acq: 25 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	18.2	27.4#
100	11.6	15.6	23.4#

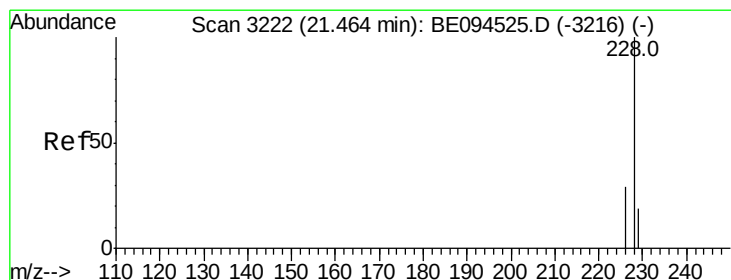
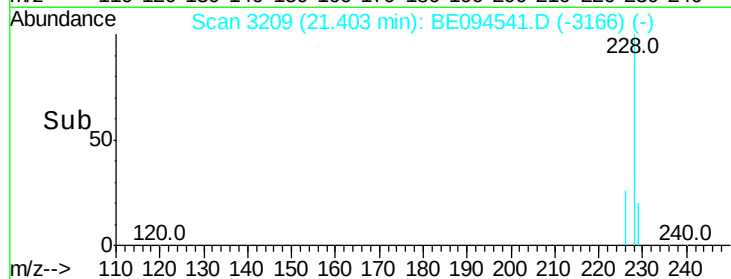
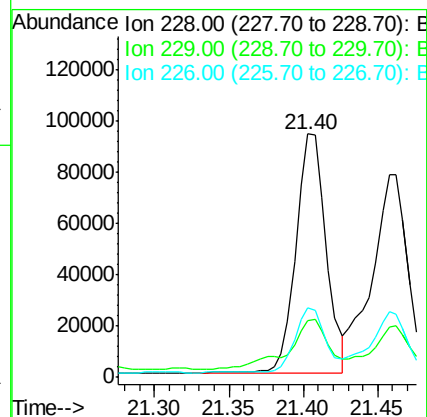
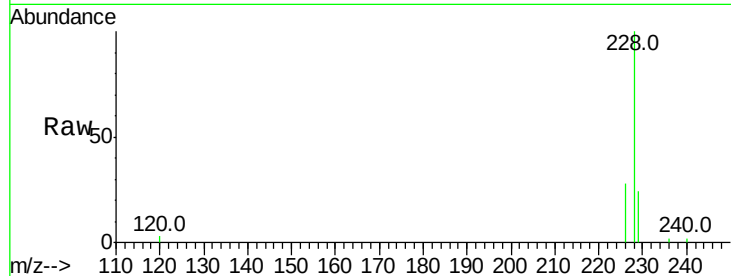




#18
Benzo(a)anthracene
Concen: 4.856 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE094541.D
Acq: 25 Oct 2017 20:05

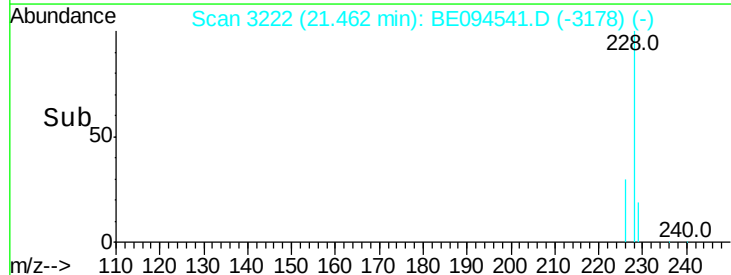
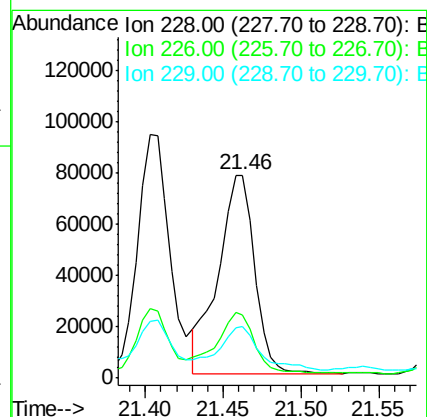
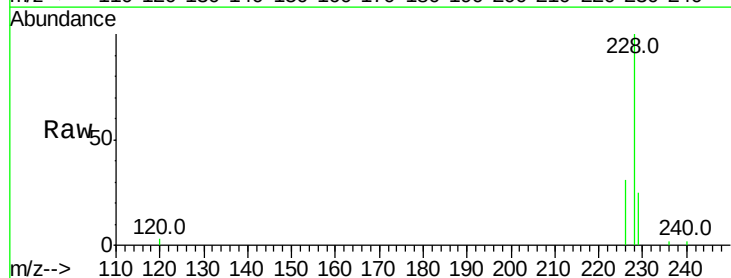
Instrument :
BNA_E
ClientSampleId :

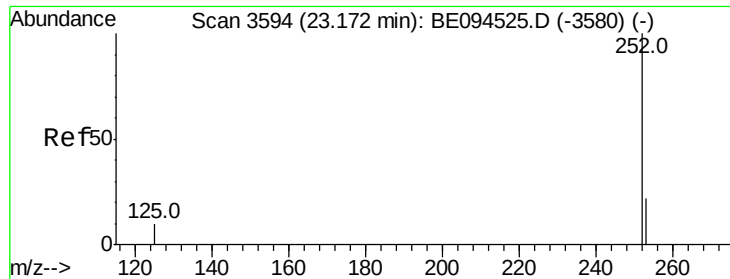
Tot Ion:228 Resp: 132344
Ion Ratio Lower Upper
228 100
229 23.6 22.8 34.2
226 28.4 17.0 25.6#



#19
Chrysene
Concen: 4.454 ng/ul
RT: 21.46 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BE094541.D
Acq: 25 Oct 2017 20:05

Tgt Ion:228 Resp: 125472
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.0
229 25.1 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 7.097 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. 0.00 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Instrument :

BNA_E

ClientSampleId :

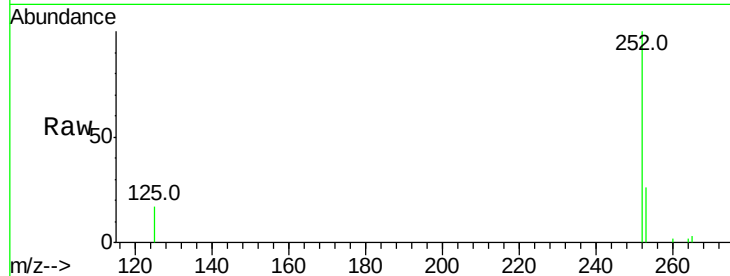
Tot Ion:252 Resp: 207335

Ion Ratio Lower Upper

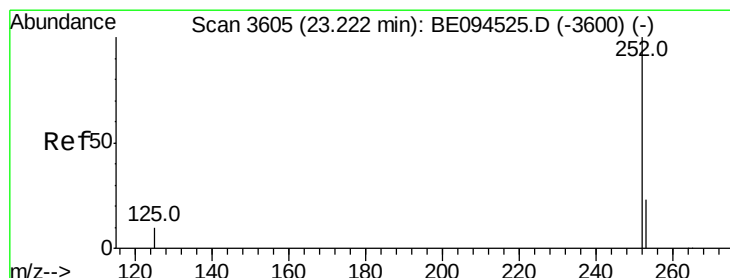
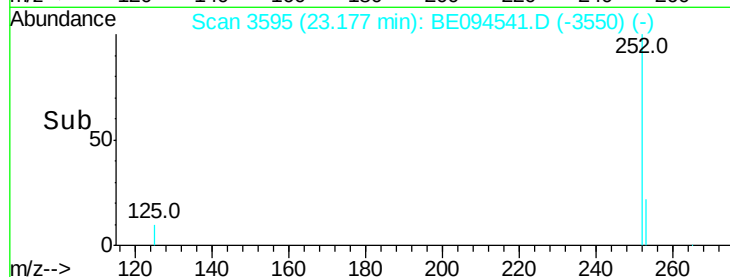
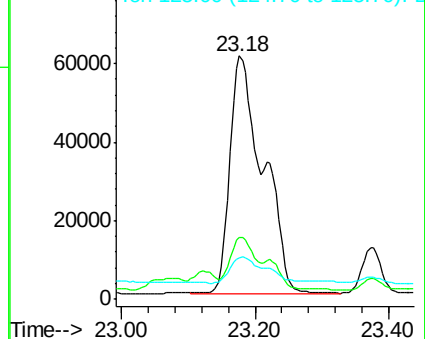
252 100

253 25.6 0.0 64.2

125 17.1 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: 6.623 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.05 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

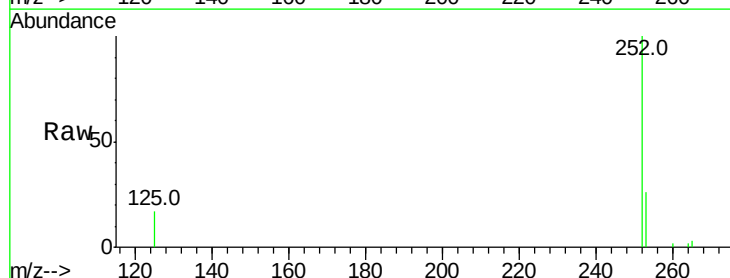
Tgt Ion:252 Resp: 207339

Ion Ratio Lower Upper

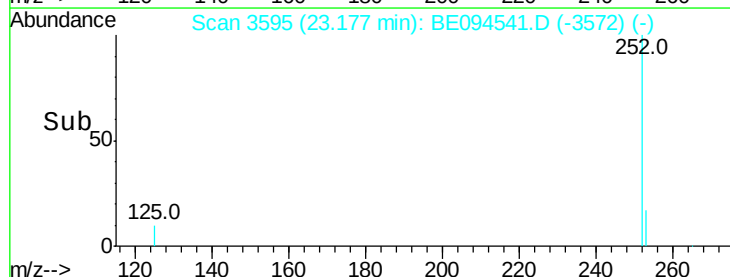
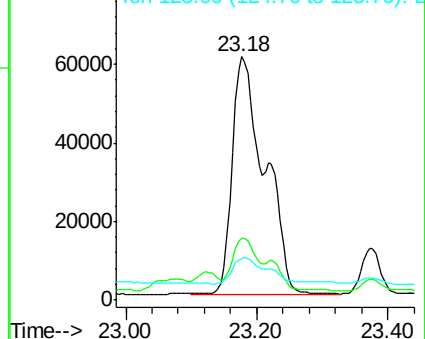
252 100

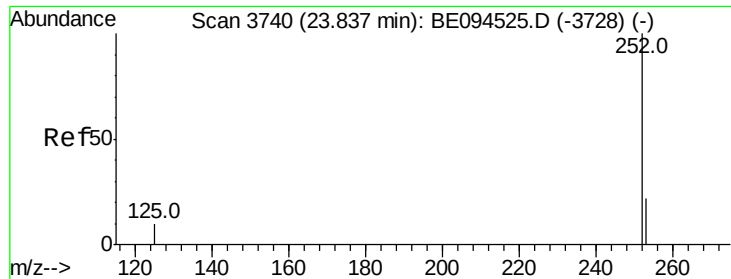
253 25.6 24.5 36.7

125 17.1 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: 4.091 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. 0.00 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Instrument :

BNA_E

ClientSampleId :

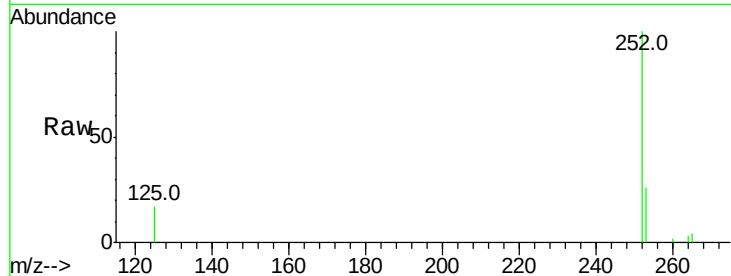
Tot Ion:252 Resp: 119464

Ion Ratio Lower Upper

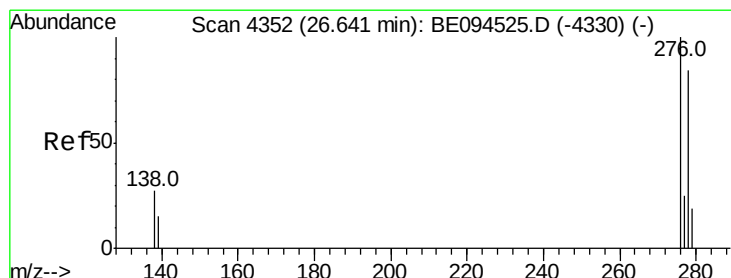
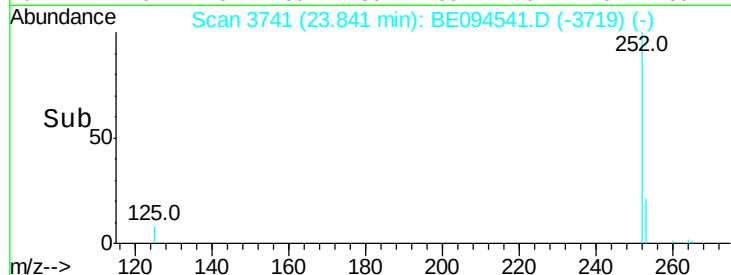
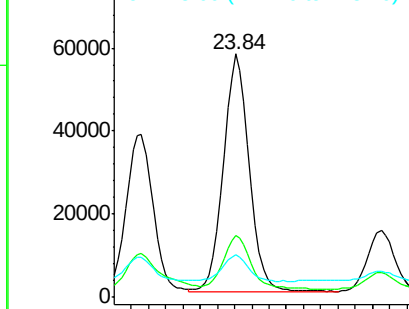
252 100

253 25.6 28.5 42.7#

125 17.5 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: 2.331 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. 0.00 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

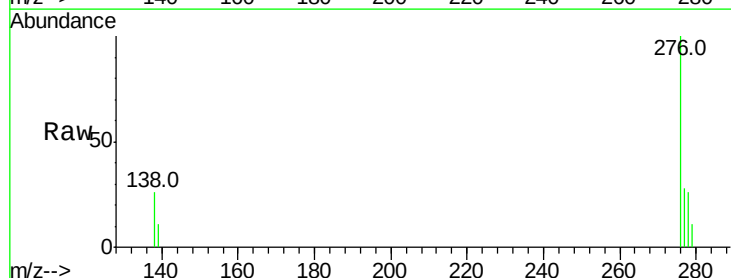
Tgt Ion:276 Resp: 70443

Ion Ratio Lower Upper

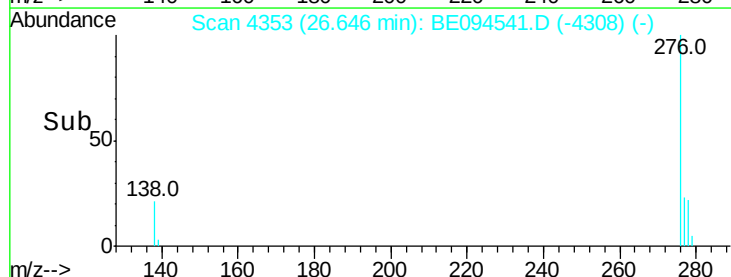
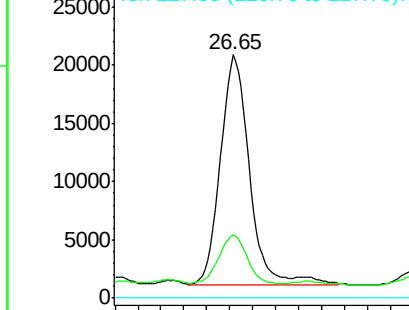
276 100

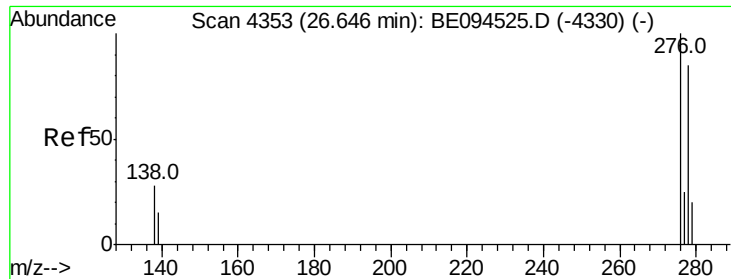
138 20.3 28.0 42.0#

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: 0.692 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. 0.00 min

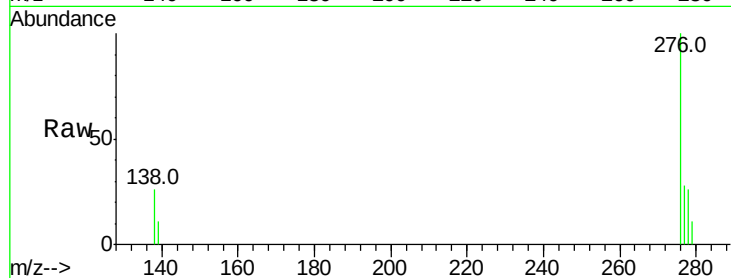
Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Instrument :

BNA_E

ClientSampleId :



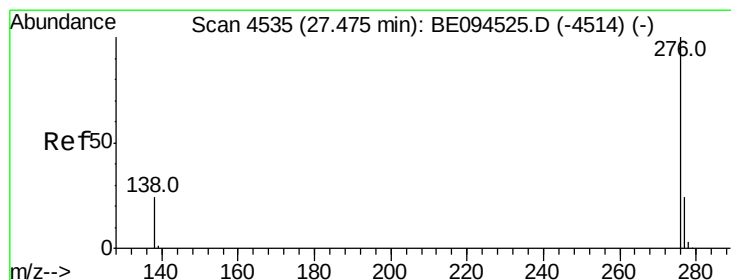
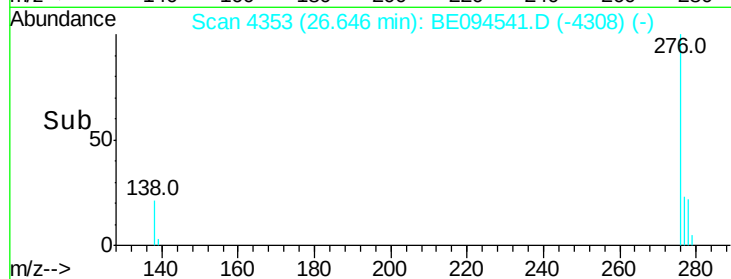
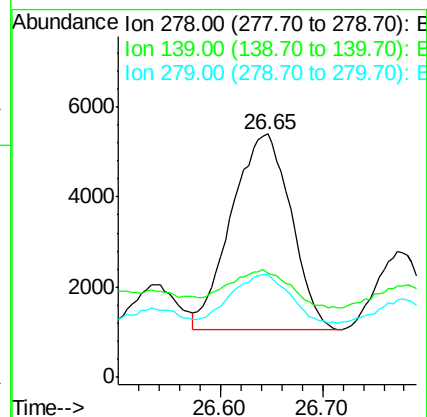
Tot Ion:278 Resp: 17621

Ion Ratio Lower Upper

278 100

139 43.0 17.4 26.0#

279 42.0 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 2.378 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. 0.00 min

Lab File: BE094541.D

Acq: 25 Oct 2017 20:05

Tgt Ion:276 Resp: 57702

Ion Ratio Lower Upper

276 100

138 28.7 21.8 32.8

277 30.2 20.5 30.7

