

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094210.D
 Acq On : 7 Oct 2017 19:46
 Operator : SJ/JU
 Sample : I5449-04DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:53:44 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 01:38:22 2017
 Response via : Initial Calibration

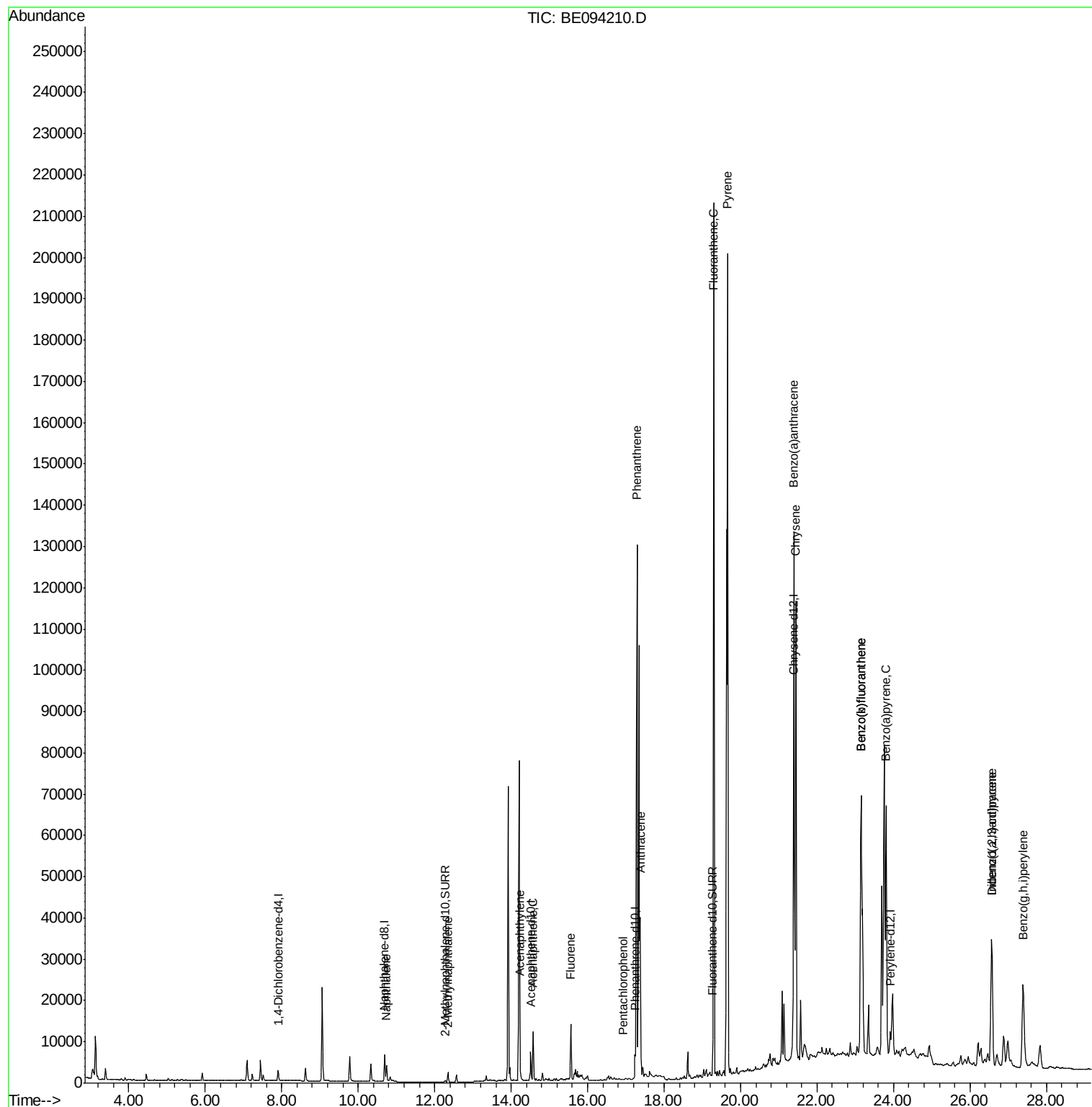
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1313	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6935	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	3936	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8390	0.40	ng/ul	-0.04
16) Chrysene-d12	21.41	240	8317	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	8186	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	665	0.06	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	1484	0.05	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	5866	0.345	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	2139	0.194	ng/ul	99
7) Acenaphthylene	14.23	152	2196	0.143	ng/ul#	94
8) Acenaphthene	14.57	153	7152	0.566	ng/ul	97
9) Fluorene	15.56	166	8786	0.594	ng/ul	91
11) Pentachlorophenol	16.93	266	20	0.020	ng/ul#	33
12) Phenanthrene	17.29	178	174321	7.951	ng/ul#	92
13) Anthracene	17.38	178	44387	2.082	ng/ul#	92
15) Fluoranthene	19.30	202	231755	8.045	ng/ul	84
17) Pyrene	19.66	202	225146	9.729	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	117090	5.307	ng/ul#	88
19) Chrysene	21.45	228	113236	4.444	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	159538	7.174	ng/ul	90
22) Benzo(k)fluoranthene	23.15	252	159447	6.203	ng/ul#	92
23) Benzo(a)pyrene	23.80	252	95140	4.117	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.57	276	55414	2.344	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.57	278	14783	0.746	ng/ul#	82
26) Benzo(g,h,i)perylene	27.39	276	49327	2.419	ng/ul	98

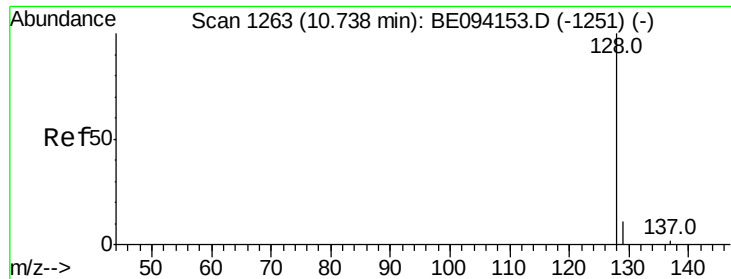
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.345 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

Instrument :

BNA_E

ClientSampleId :

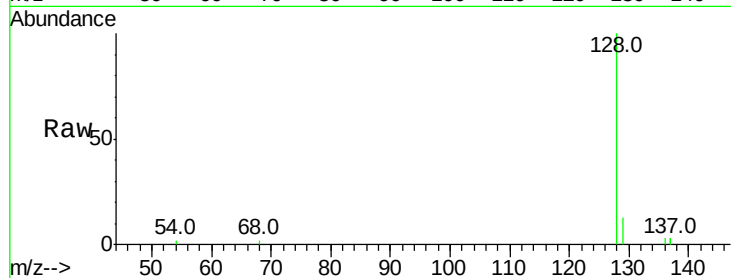
Tot Ion:128 Resp: 5866

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

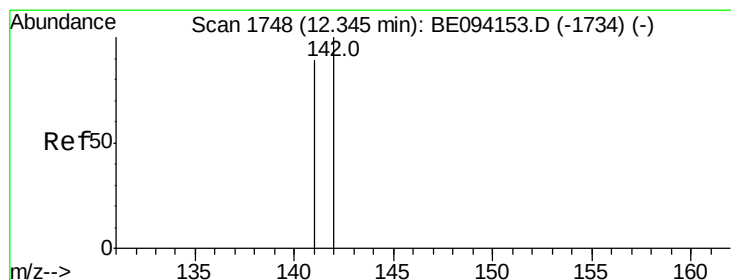
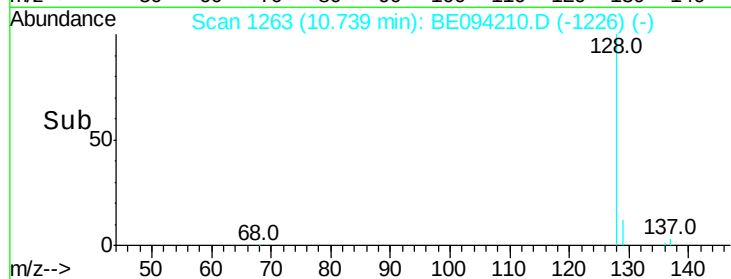
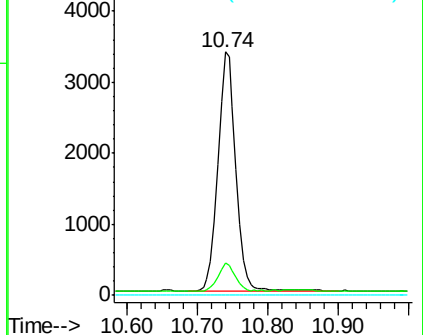
127 0.0 4.0 6.0#



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: 0.194 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094210.D

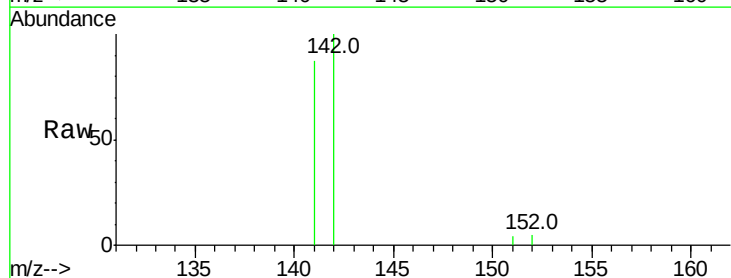
Acq: 7 Oct 2017 19:46

Tgt Ion:142 Resp: 2139

Ion Ratio Lower Upper

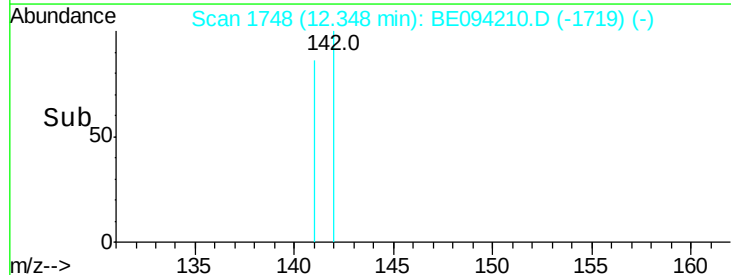
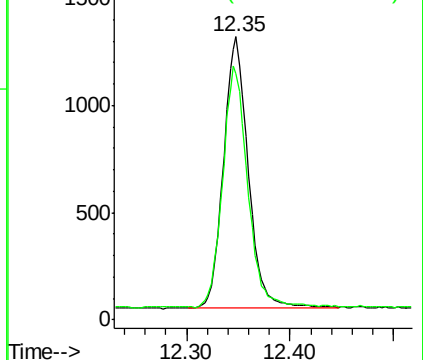
142 100

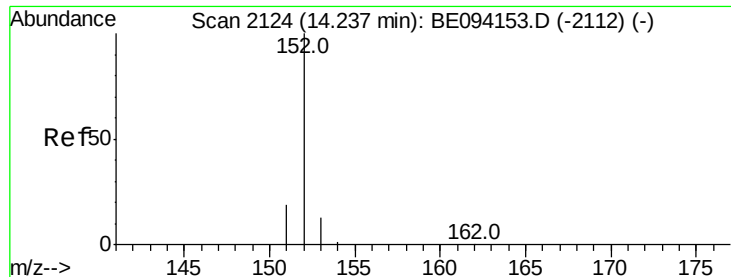
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.143 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

Instrument :

BNA_E

ClientSampleId :

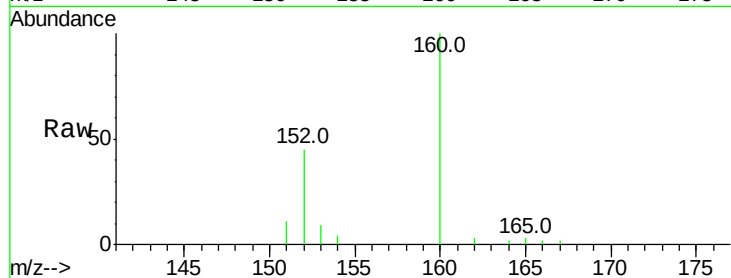
Tot Ion:152 Resp: 2196

Ion Ratio Lower Upper

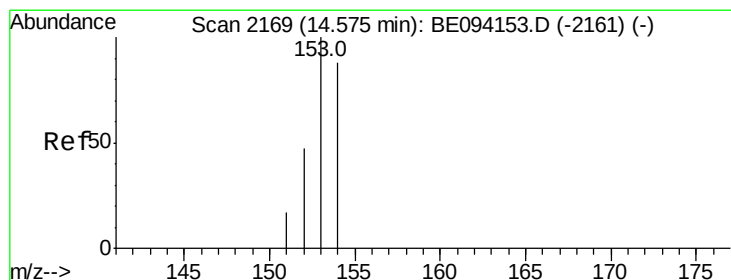
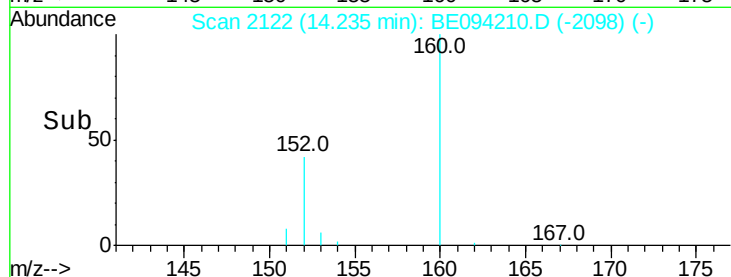
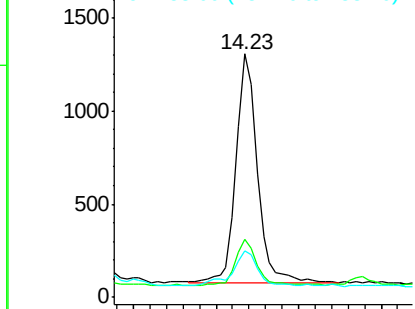
152 100

151 23.9 17.1 25.7

153 19.2 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: 0.566 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

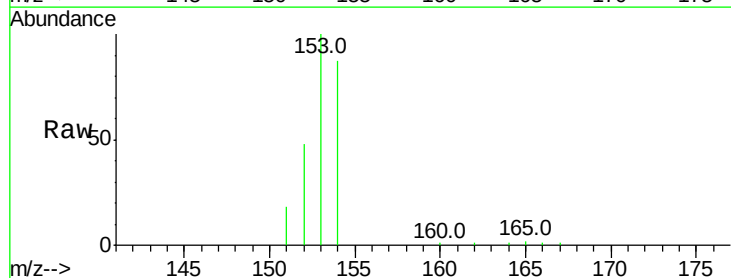
Tgt Ion:153 Resp: 7152

Ion Ratio Lower Upper

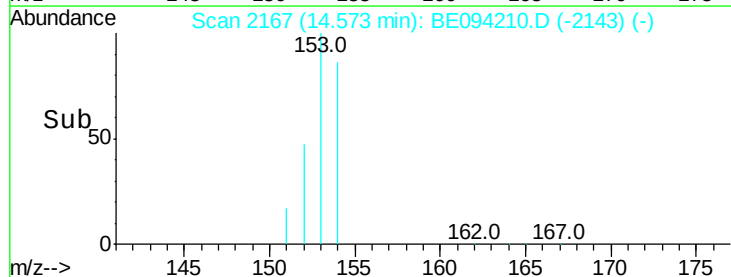
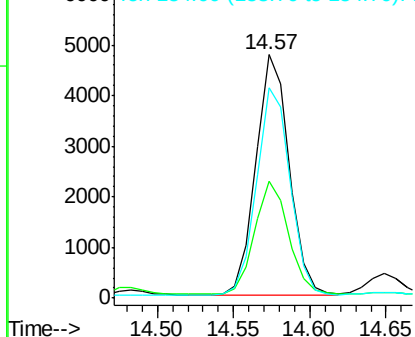
153 100

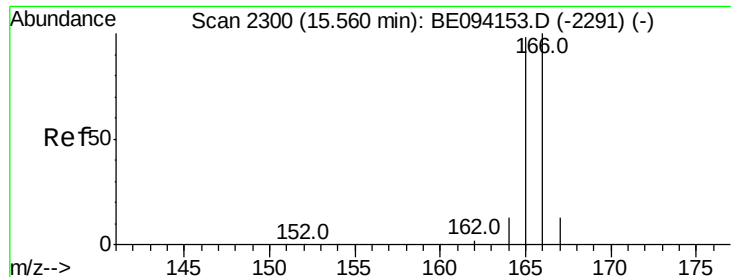
152 47.8 40.3 60.5

154 86.6 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: 0.594 ng/ul

RT: 15.56 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

Instrument :

BNA_E

ClientSampleId :

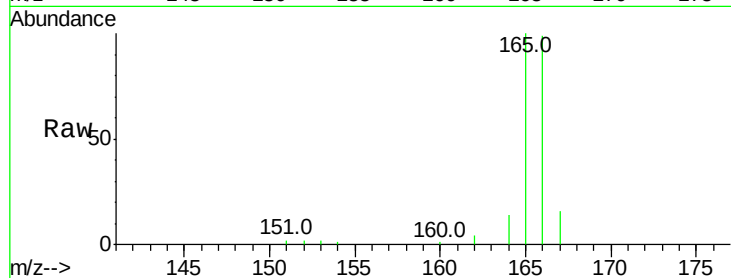
Tot Ion:166 Resp: 8786

Ion Ratio Lower Upper

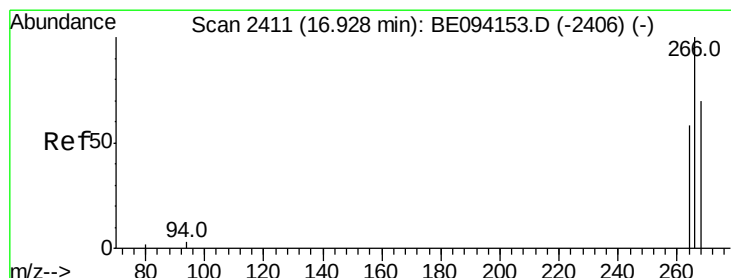
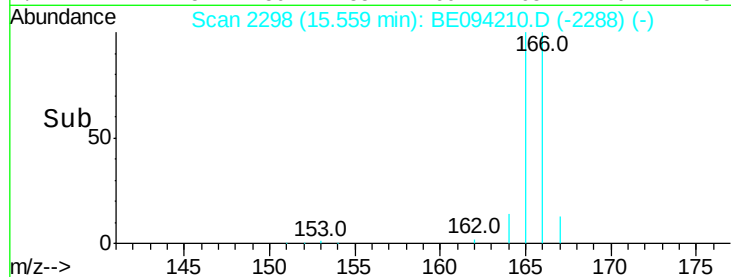
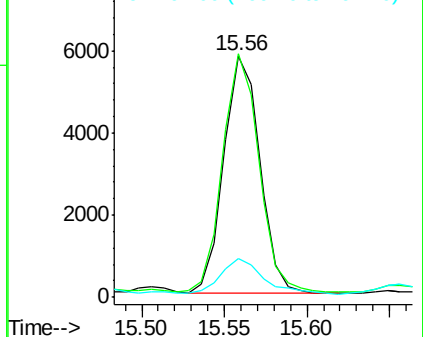
166 100

165 100.8 73.4 110.2

167 16.0 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: 0.020 ng/ul

RT: 16.93 min Scan# 2409

Delta R.T. -0.02 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

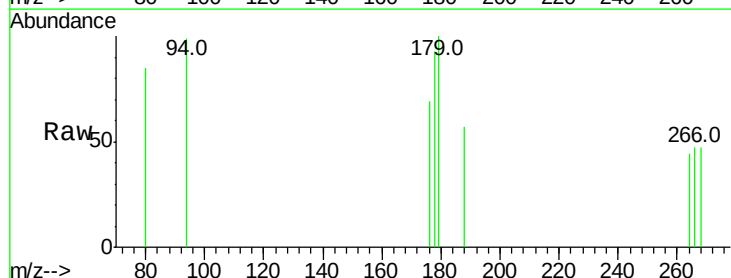
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

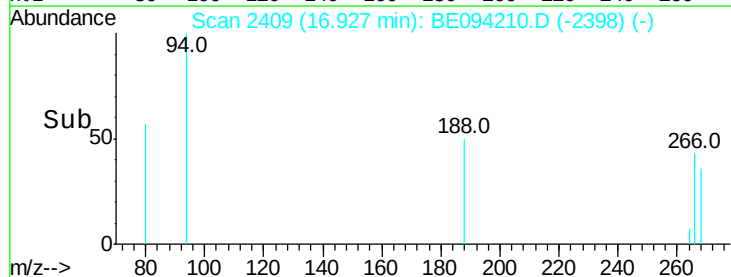
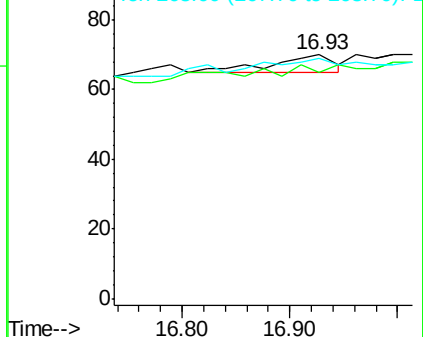
266 100

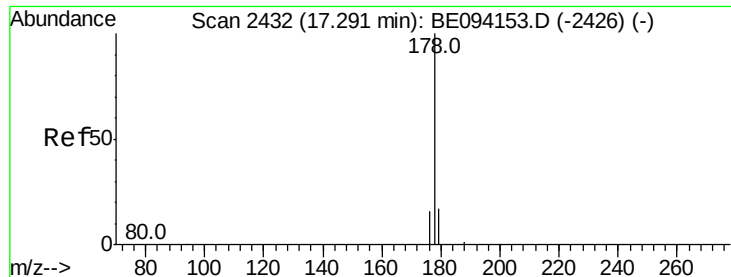
264 0.0 47.9 71.9#

268 105.0 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: 7.951 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

Instrument :

BNA_E

ClientSampleId :

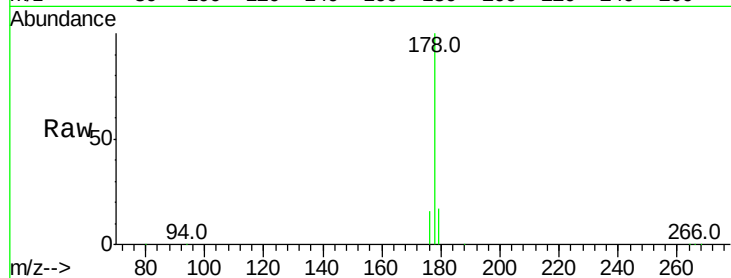
Tot Ion:178 Resp: 174321

Ion Ratio Lower Upper

178 100

179 17.2 18.4 27.6#

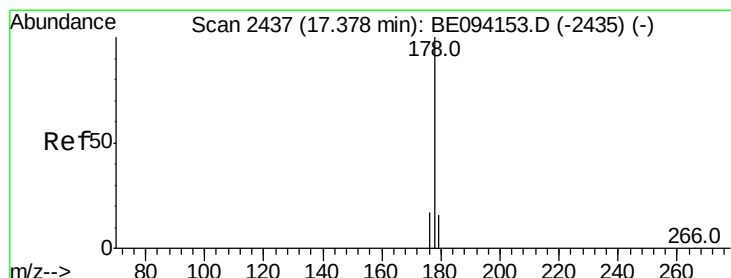
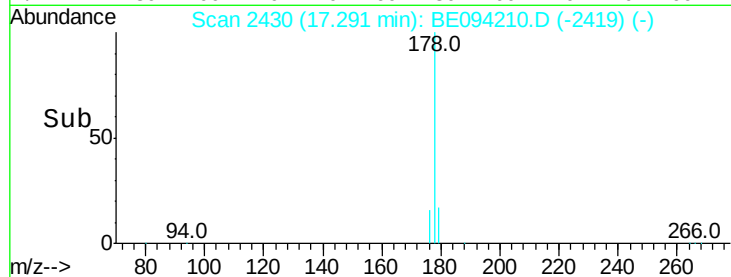
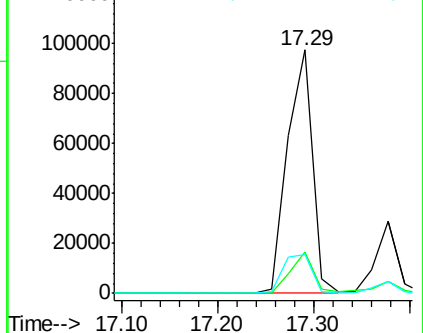
176 15.9 13.6 20.4



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: 2.082 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

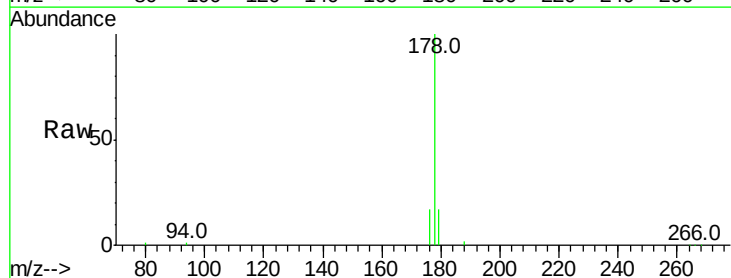
Tgt Ion:178 Resp: 44387

Ion Ratio Lower Upper

178 100

179 16.7 18.1 27.1#

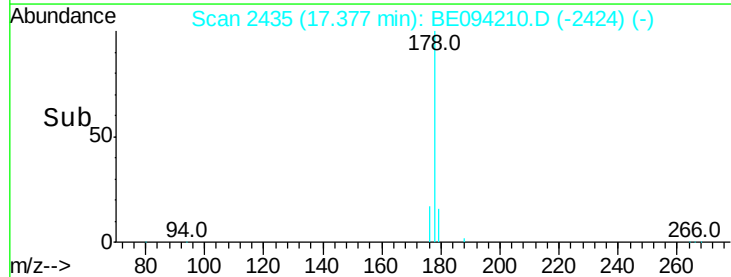
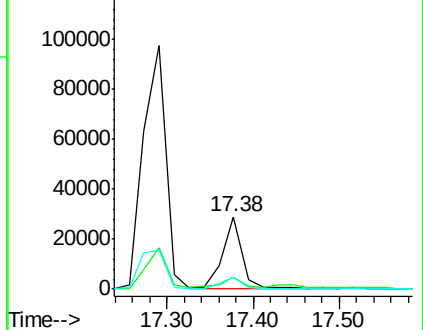
176 17.2 14.7 22.1

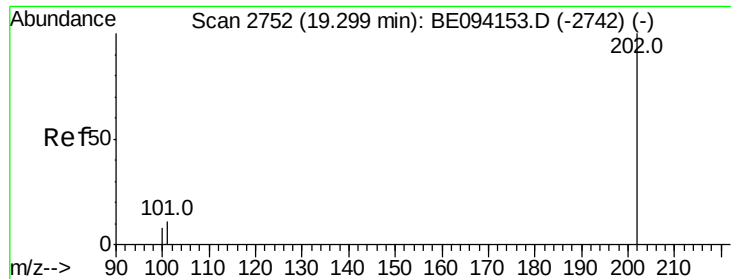


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

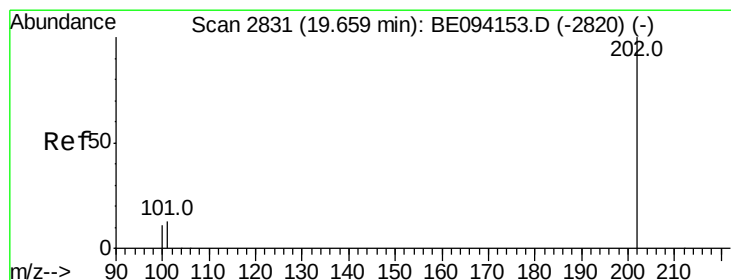
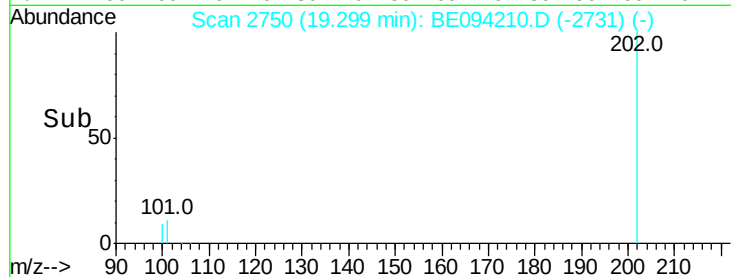
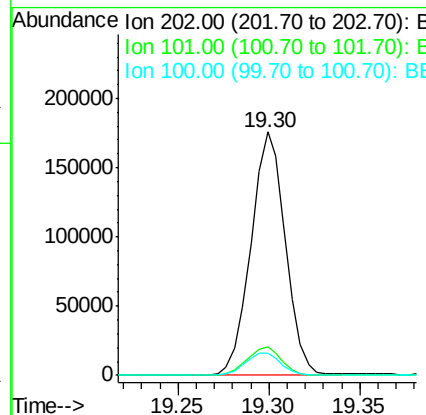
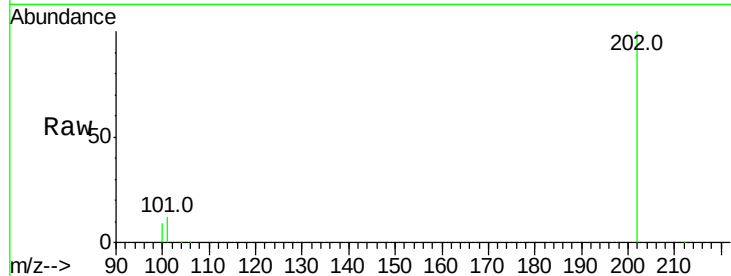




#15
Fluoranthene
Concen: 8.045 ng/ul
RT: 19.30 min Scan# 2750
Delta R.T. -0.01 min
Lab File: BE094210.D
Acq: 7 Oct 2017 19:46

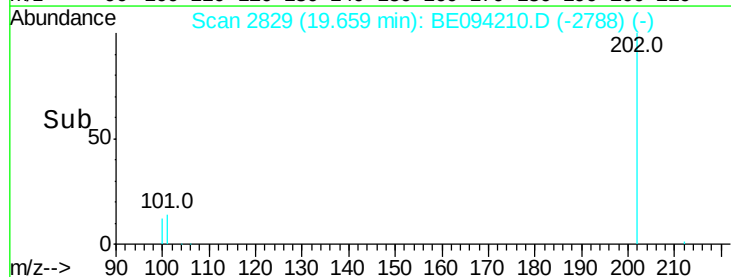
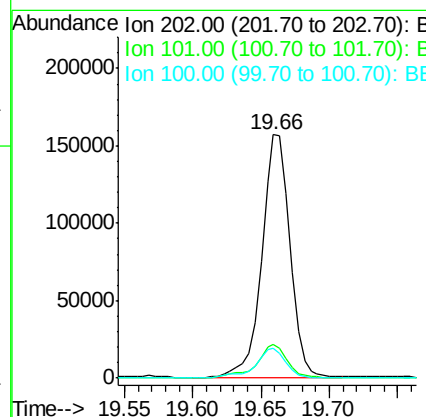
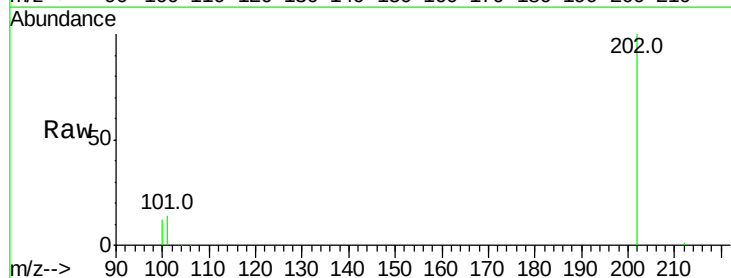
Instrument :
BNA_E
ClientSampleId :

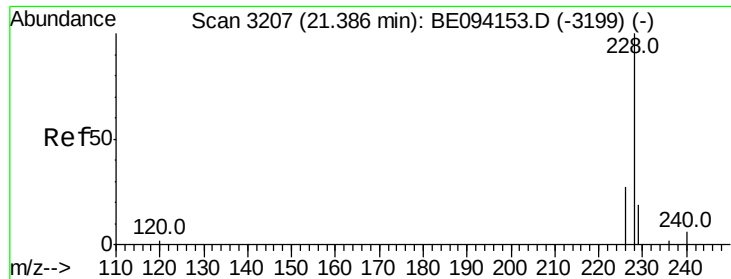
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	30.3
100	9.3	0.0	39.5



#17
Pyrene
Concen: 9.729 ng/ul
RT: 19.66 min Scan# 2829
Delta R.T. -0.01 min
Lab File: BE094210.D
Acq: 7 Oct 2017 19:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	18.2	27.4#
100	12.3	15.6	23.4#

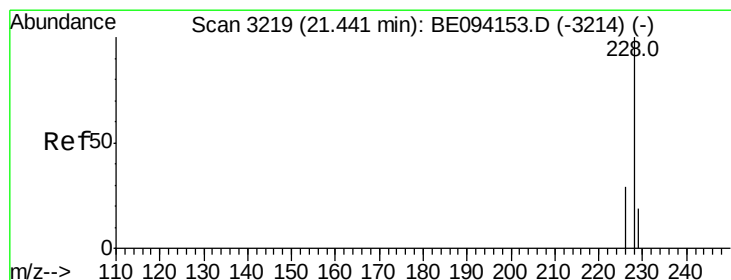
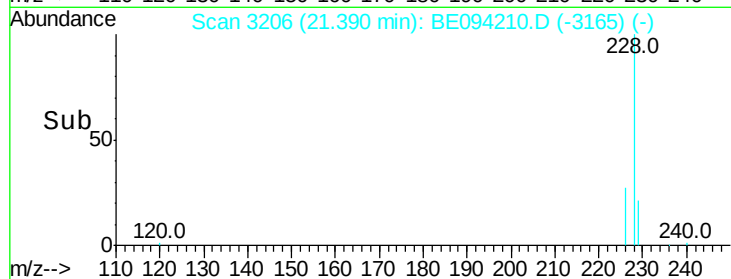
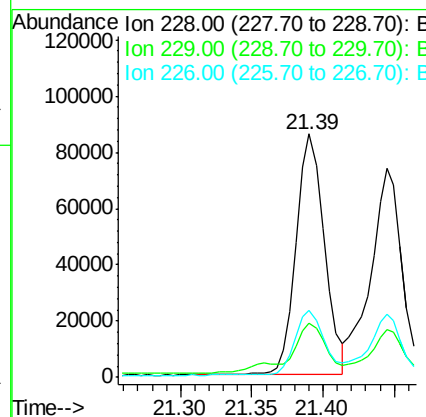
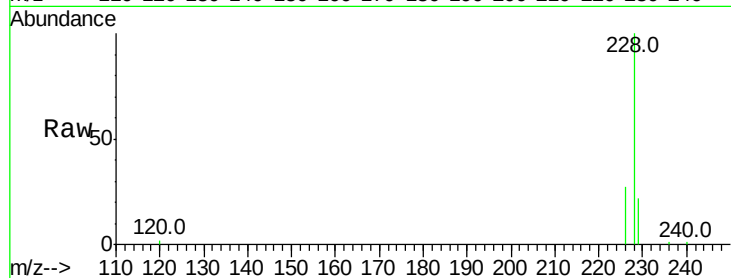




#18
Benzo(a)anthracene
Concen: 5.307 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BE094210.D
Acq: 7 Oct 2017 19:46

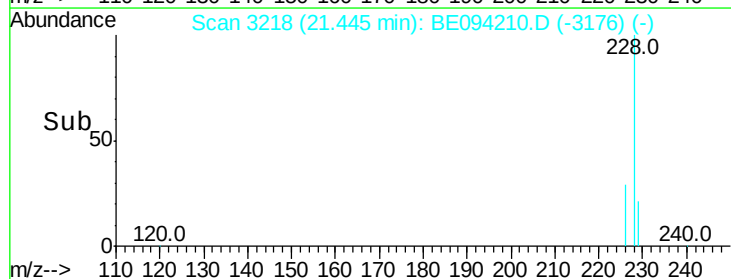
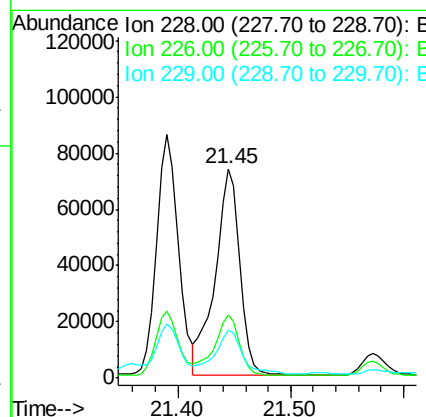
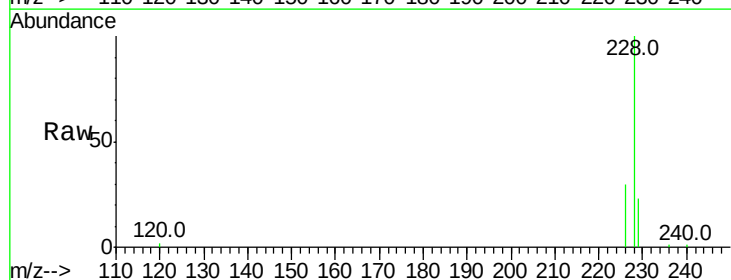
Instrument :
BNA_E
ClientSampled :

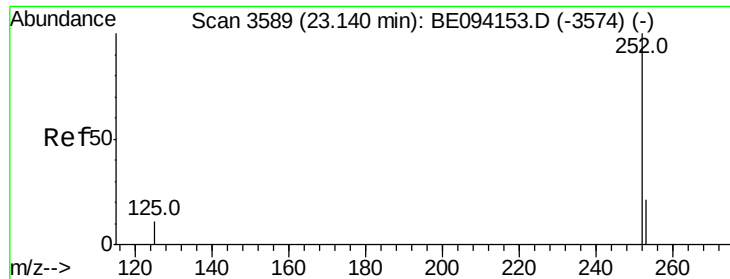
Tot Ion:228 Resp: 117090
Ion Ratio Lower Upper
228 100
229 22.2 22.8 34.2#
226 27.4 17.0 25.6#



#19
Chrysene
Concen: 4.444 ng/ul
RT: 21.45 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BE094210.D
Acq: 7 Oct 2017 19:46

Tgt Ion:228 Resp: 113236
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.0
229 23.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 7.174 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

Instrument :

BNA_E

ClientSampleId :

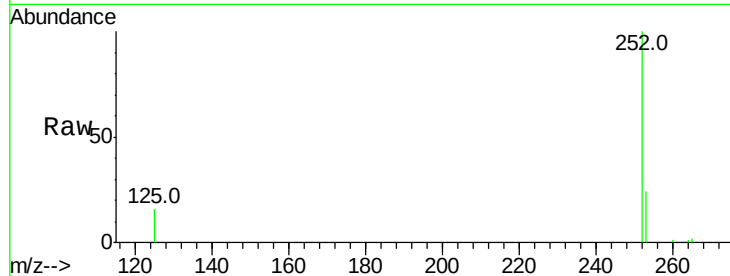
Tot Ion:252 Resp: 159538

Ion Ratio Lower Upper

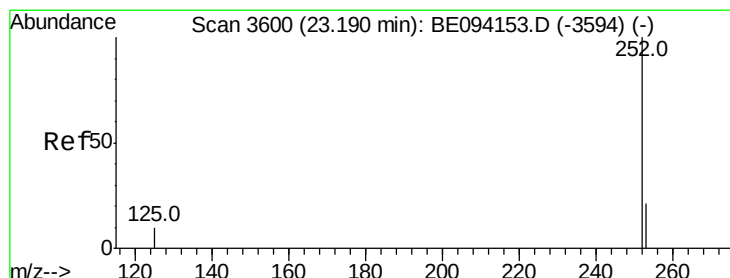
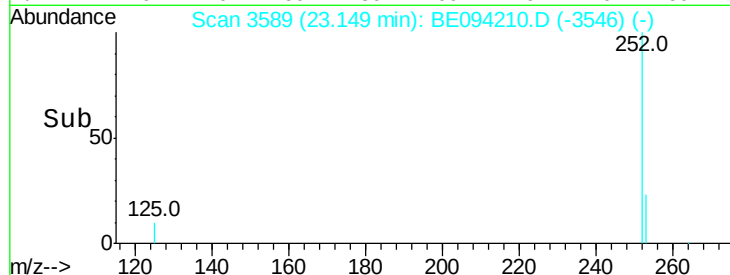
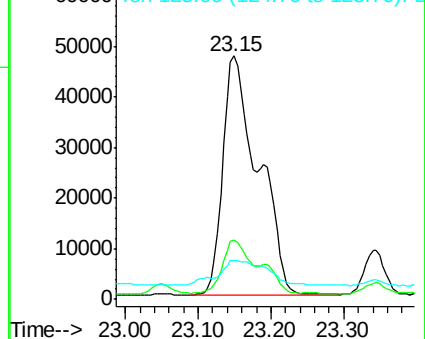
252 100

253 24.3 0.0 64.2

125 15.8 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: 6.203 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

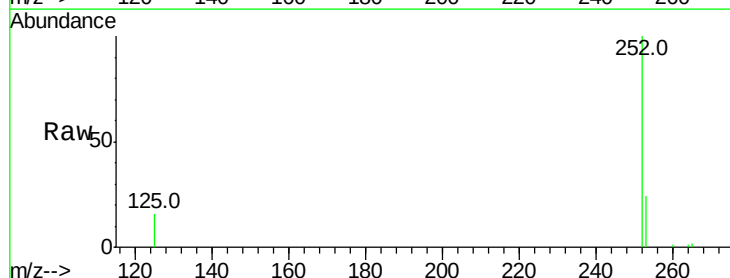
Tgt Ion:252 Resp: 159447

Ion Ratio Lower Upper

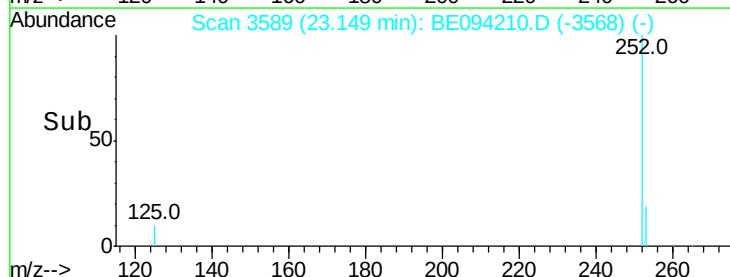
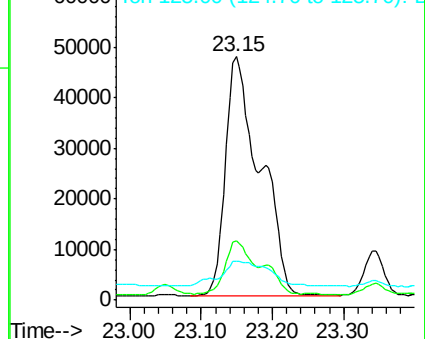
252 100

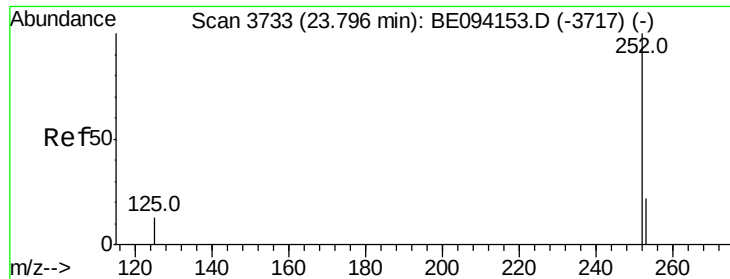
253 24.3 24.5 36.7#

125 15.8 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: 4.117 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

Instrument :

BNA_E

ClientSampled :

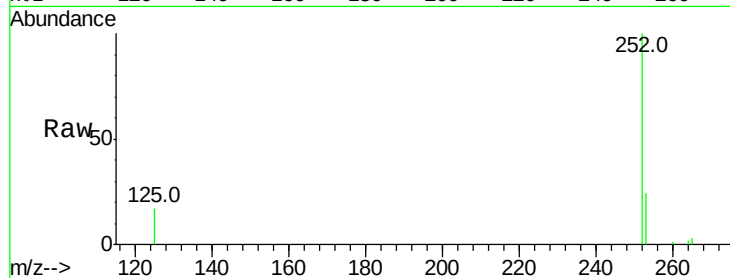
Tot Ion:252 Resp: 95140

Ion Ratio Lower Upper

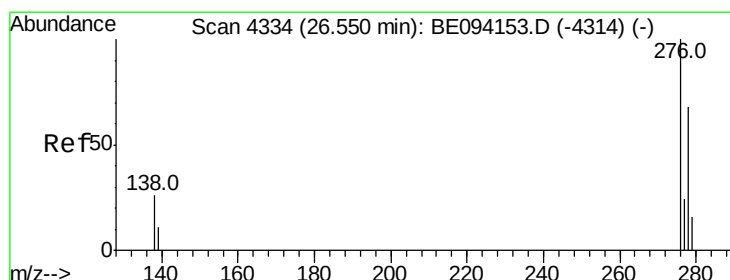
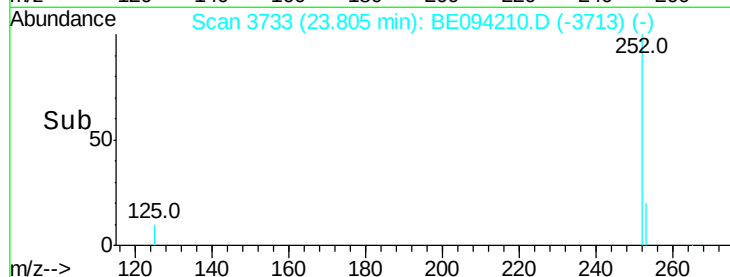
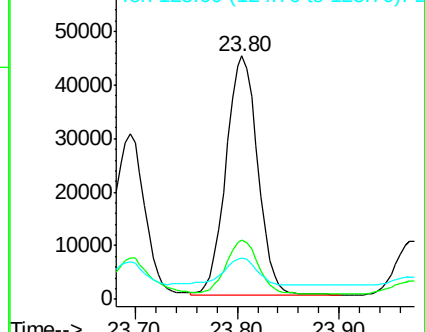
252 100

253 24.2 28.5 42.7#

125 16.9 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: 2.344 ng/ul

RT: 26.57 min Scan# 4336

Delta R.T. -0.01 min

Lab File: BE094210.D

Acq: 7 Oct 2017 19:46

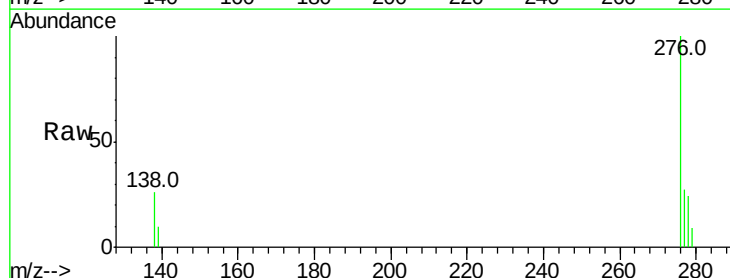
Tgt Ion:276 Resp: 55414

Ion Ratio Lower Upper

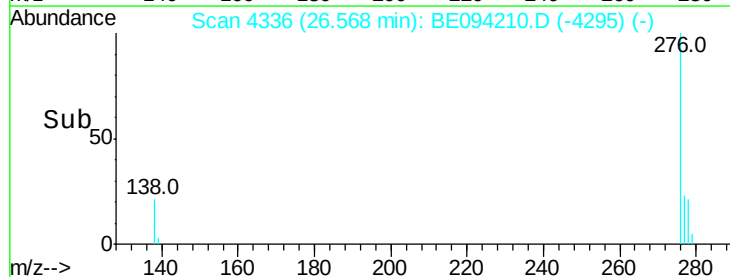
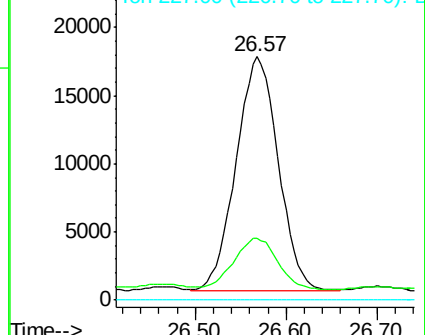
276 100

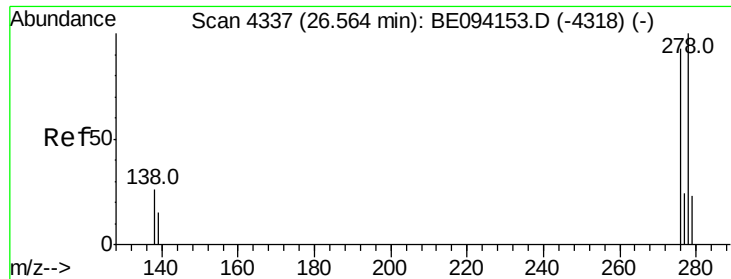
138 22.9 28.0 42.0#

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

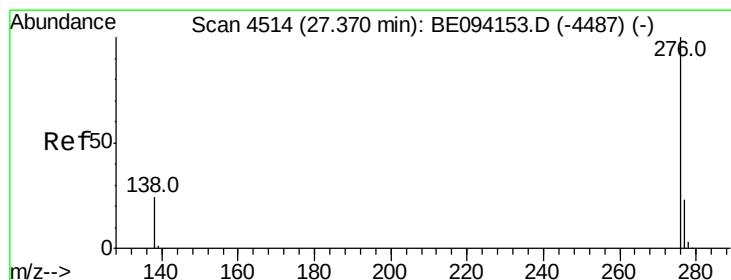
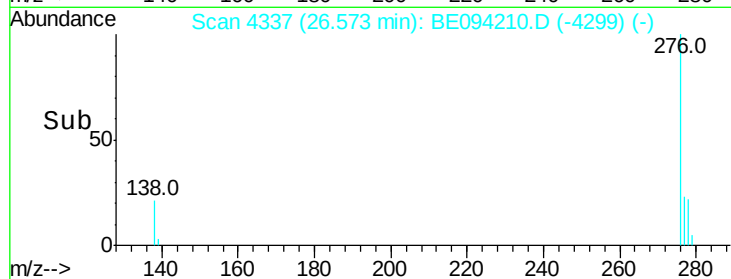
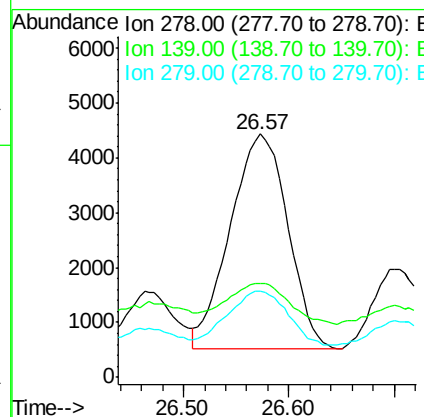
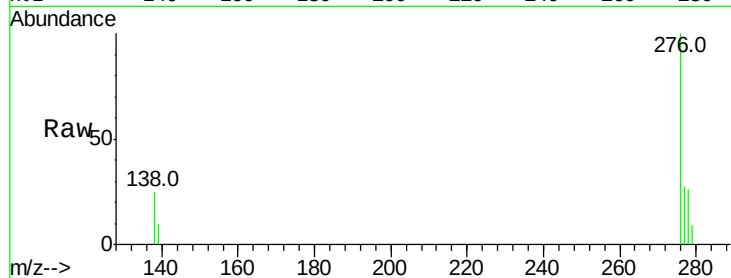




#25
Dibenzo(a,h)anthracene
Concen: 0.746 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.03 min
Lab File: BE094210.D
Acq: 7 Oct 2017 19:46

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 14783
Ion Ratio Lower Upper
278 100
139 38.6 17.4 26.0#
279 35.5 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 2.419 ng/ul
RT: 27.39 min Scan# 4516
Delta R.T. -0.01 min
Lab File: BE094210.D
Acq: 7 Oct 2017 19:46

Tgt Ion:276 Resp: 49327
Ion Ratio Lower Upper
276 100
138 26.6 21.8 32.8
277 26.8 20.5 30.7

