

Data Path : Z:\HPCHEM1\BNA E\DATA\BE093017\
 Data File : BE094157.D
 Acq On : 30 Sep 2017 13:23
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 30 21:56:44 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

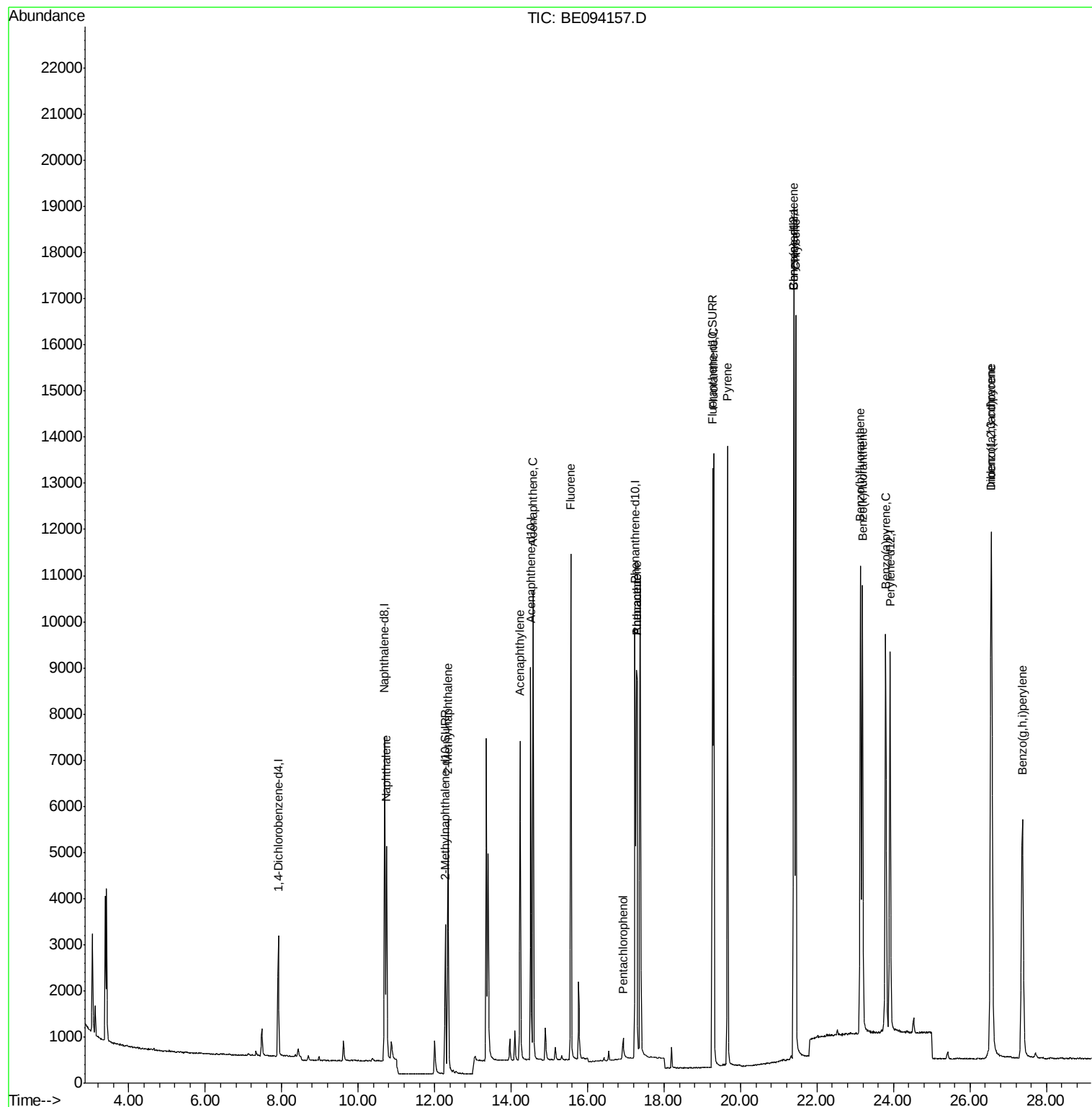
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1503	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7898	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4944	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	12912	0.40	ng/ul	-0.03
16) Chrysene-d12	21.40	240	13092	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	12729	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5129	0.42	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	15045	0.35	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	7630	0.394	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	5422	0.432	ng/ul	98
7) Acenaphthylene	14.23	152	8480	0.440	ng/ul	97
8) Acenaphthene	14.57	153	6357	0.401	ng/ul	96
9) Fluorene	15.56	166	7583	0.408	ng/ul#	92
11) Pentachlorophenol	16.93	266	555	0.366	ng/ul	98
12) Phenanthrene	17.29	178	13442	0.398	ng/ul	94
13) Anthracene	17.29	178	13442	0.410	ng/ul	93
15) Fluoranthene	19.29	202	15370	0.347	ng/ul	85
17) Pyrene	19.66	202	16177	0.444	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	15470	0.445	ng/ul#	85
19) Chrysene	21.44	228	15083	0.376	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	14955	0.432	ng/ul	87
22) Benzo(k)fluoranthene	23.19	252	14700	0.368	ng/ul#	89
23) Benzo(a)pyrene	23.79	252	14679	0.409	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.55	276	15829	0.431	ng/ul#	85
25) Dibenzo(a,h)anthracene	26.57	278	13166	0.427	ng/ul#	91
26) Benzo(g,h,i)perylene	27.37	276	13292	0.419	ng/ul	98

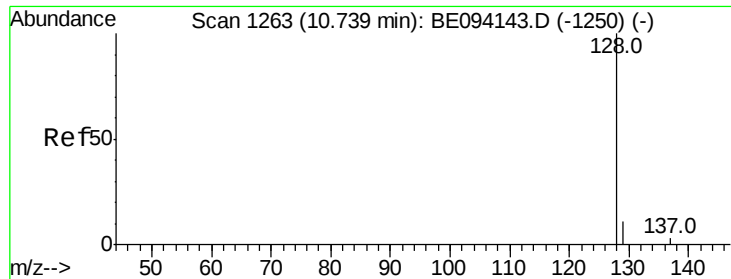
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.394 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

Instrument :

BNA_E

ClientSampleId :

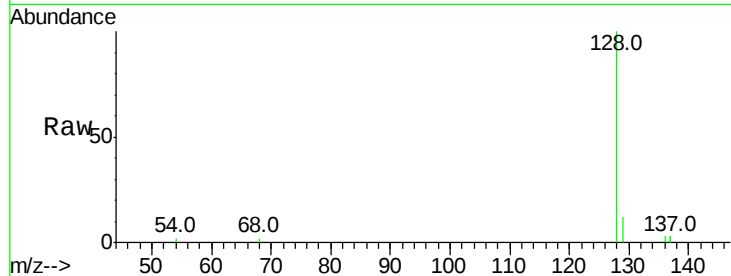
Tot Ion:128 Resp: 7630

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

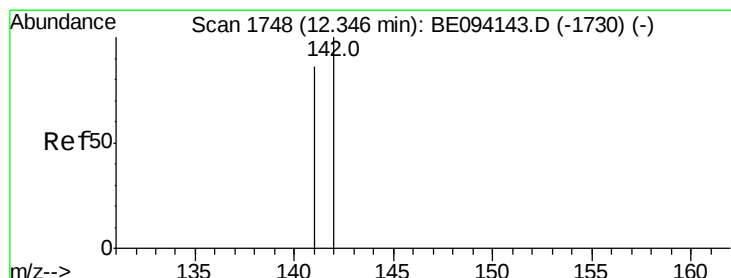
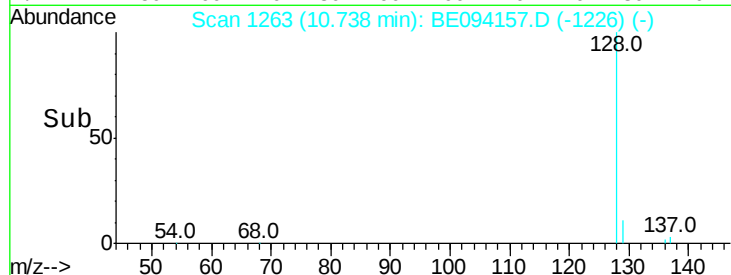
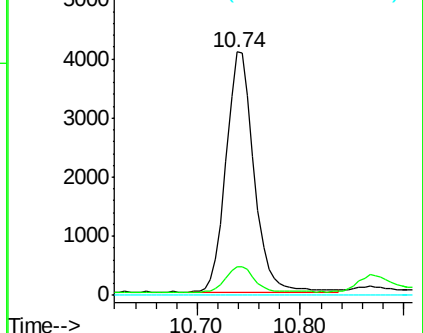
127 0.0 4.0 6.0#



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: 0.432 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094157.D

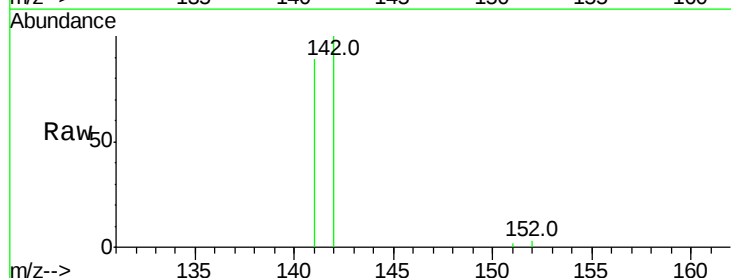
Acq: 30 Sep 2017 13:23

Tgt Ion:142 Resp: 5422

Ion Ratio Lower Upper

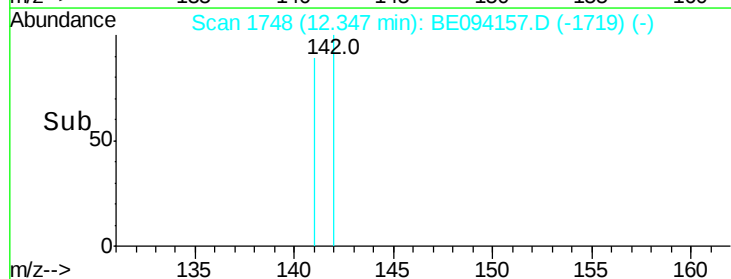
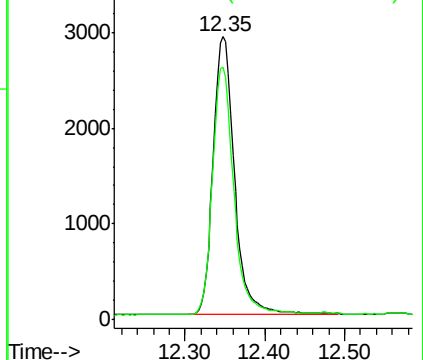
142 100

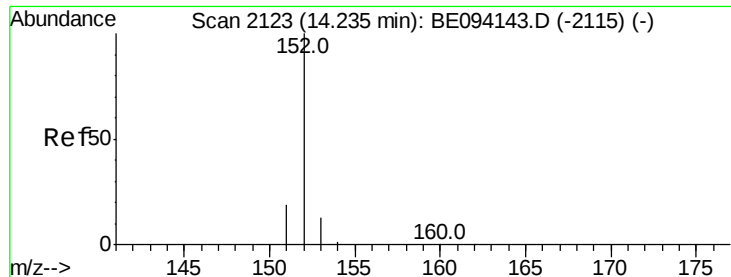
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.440 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

Instrument :

BNA_E

ClientSampleId :

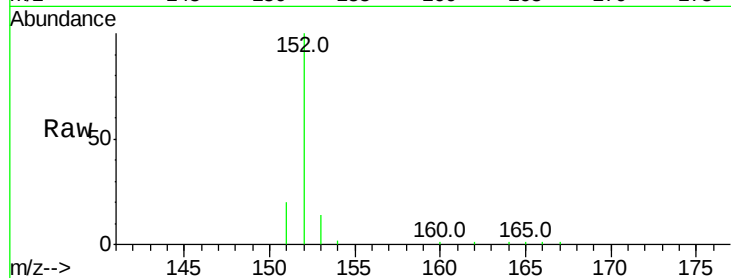
Tot Ion:152 Resp: 8480

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

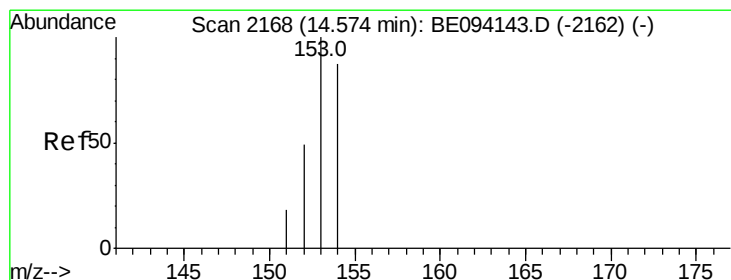
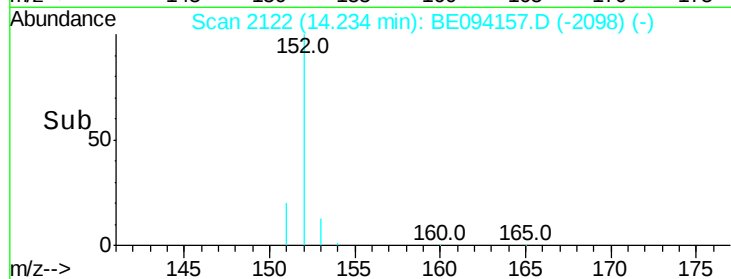
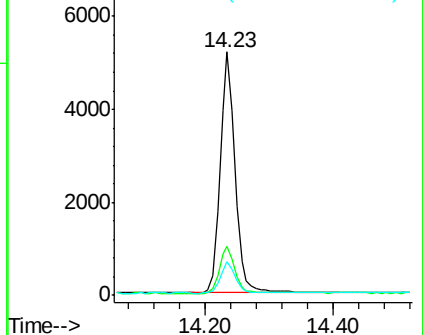
153 13.8 12.8 19.2



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: 0.401 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

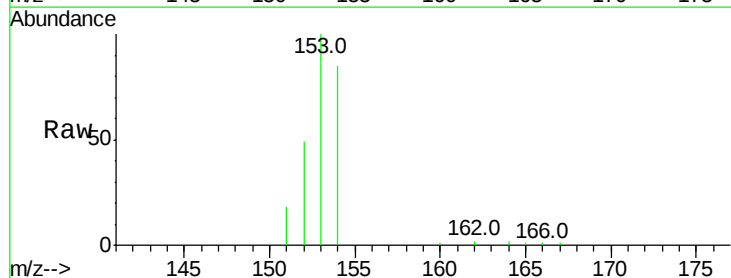
Tgt Ion:153 Resp: 6357

Ion Ratio Lower Upper

153 100

152 48.8 40.3 60.5

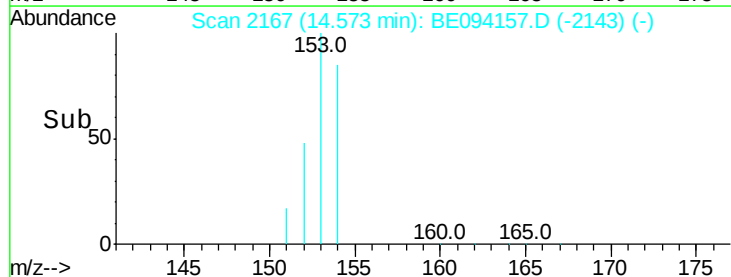
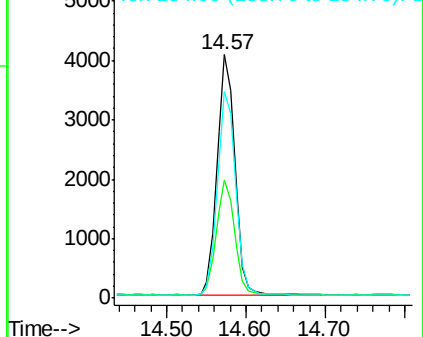
154 84.8 71.4 107.2

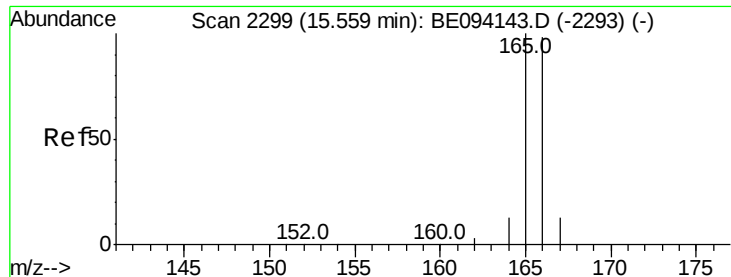


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.408 ng/ul

RT: 15.56 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

Instrument :

BNA_E

ClientSampleId :

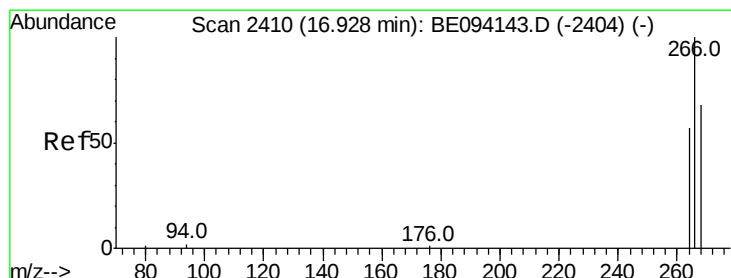
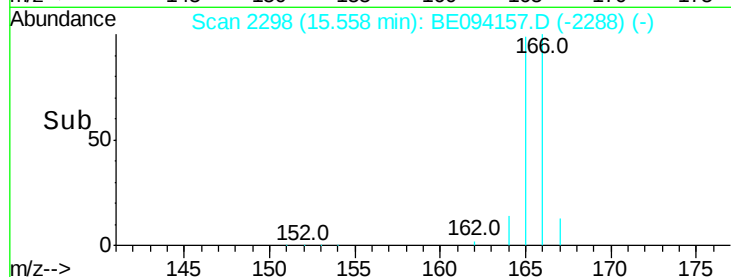
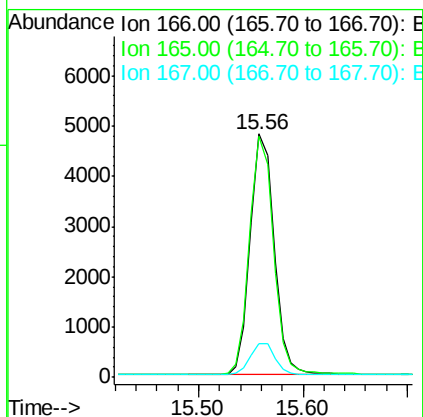
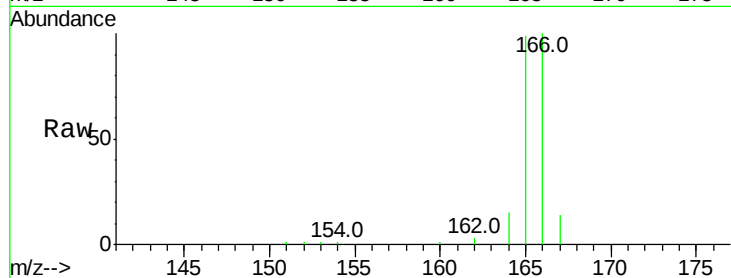
Tot Ion:166 Resp: 7583

Ion Ratio Lower Upper

166 100

165 99.3 73.4 110.2

167 13.9 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.366 ng/ul

RT: 16.93 min Scan# 2409

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

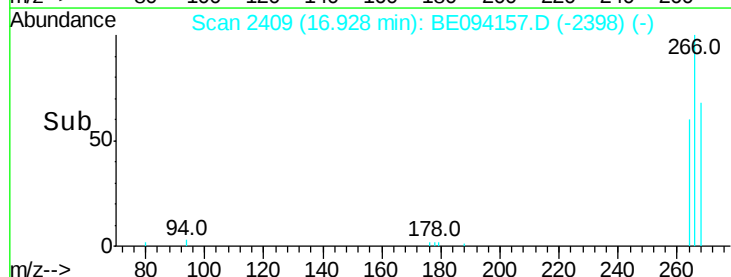
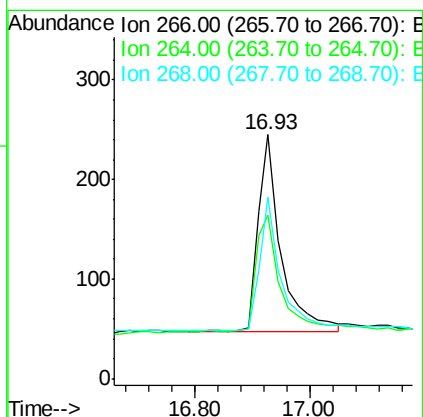
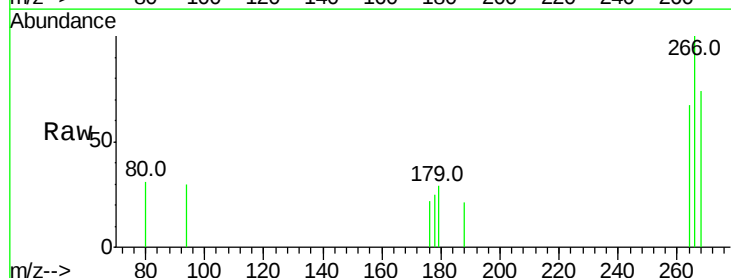
Tgt Ion:266 Resp: 555

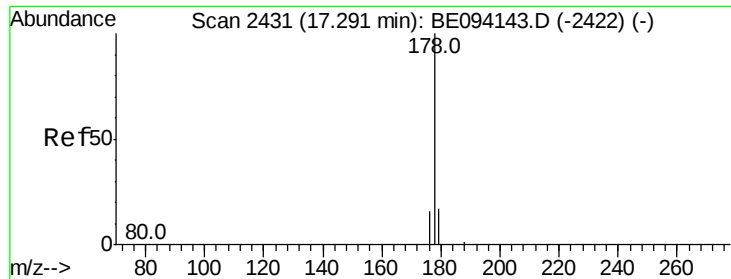
Ion Ratio Lower Upper

266 100

264 62.0 47.9 71.9

268 63.6 49.8 74.8





#12

Phenanthrene

Concen: 0.398 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

Instrument :

BNA_E

ClientSampleId :

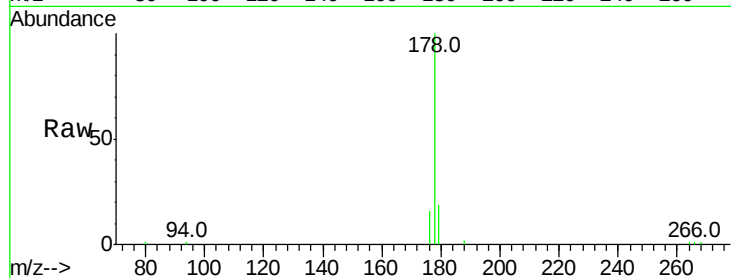
Tot Ion:178 Resp: 13442

Ion Ratio Lower Upper

178 100

179 18.7 18.4 27.6

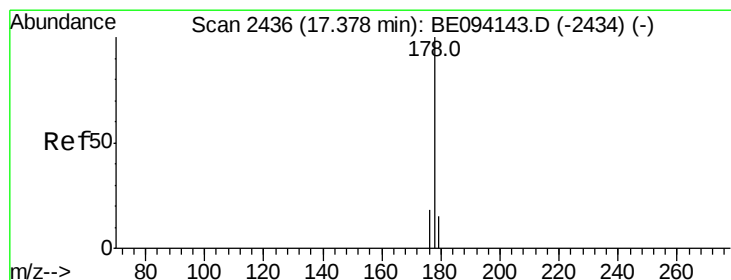
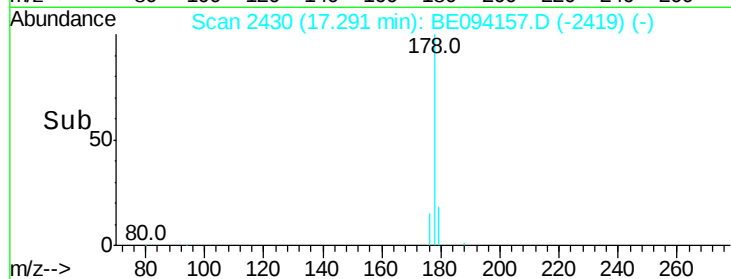
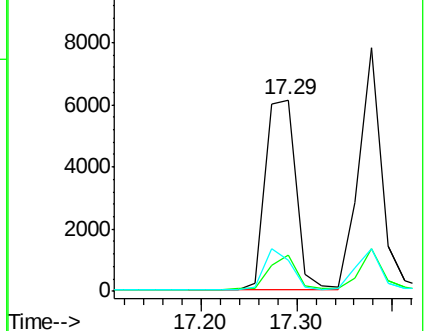
176 16.0 13.6 20.4



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: 0.410 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.10 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

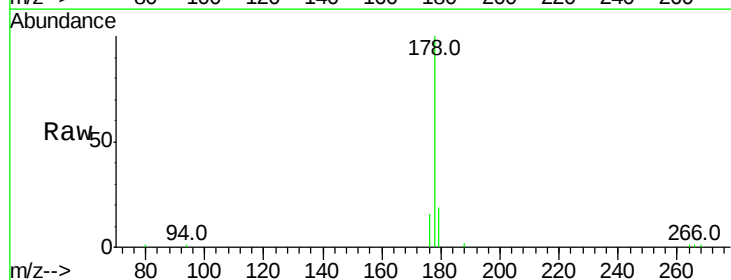
Tgt Ion:178 Resp: 13442

Ion Ratio Lower Upper

178 100

179 18.7 18.1 27.1

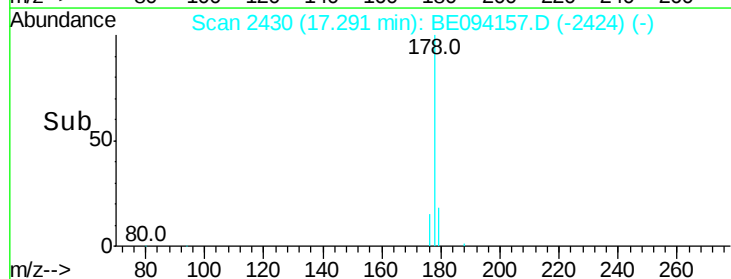
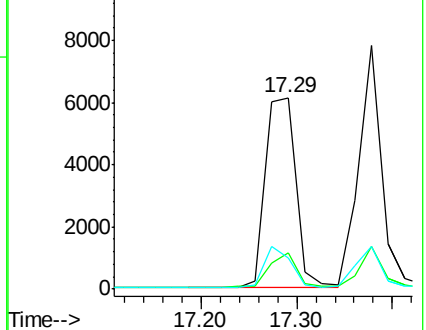
176 16.0 14.7 22.1

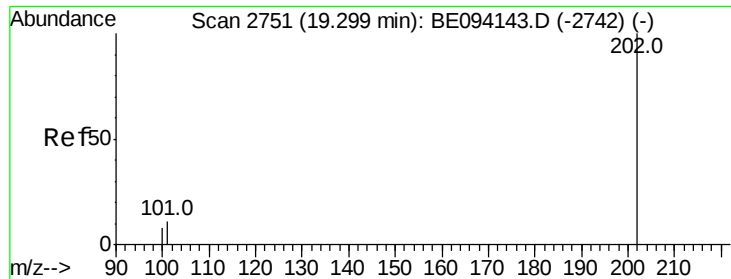


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

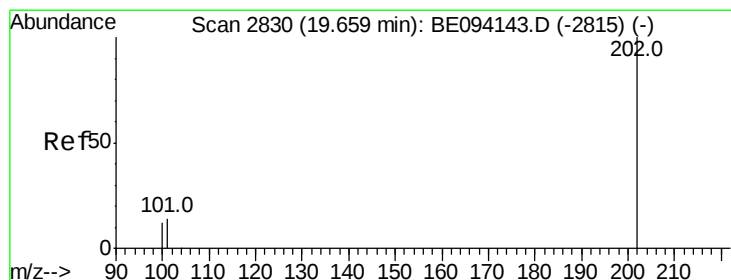
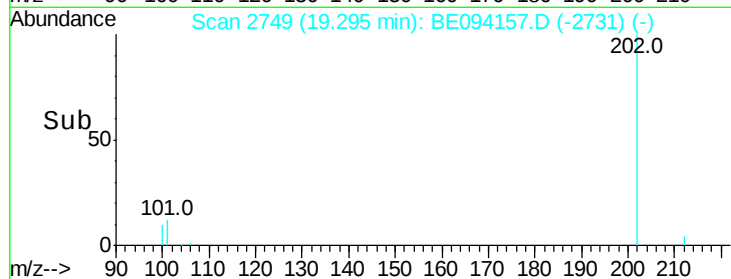
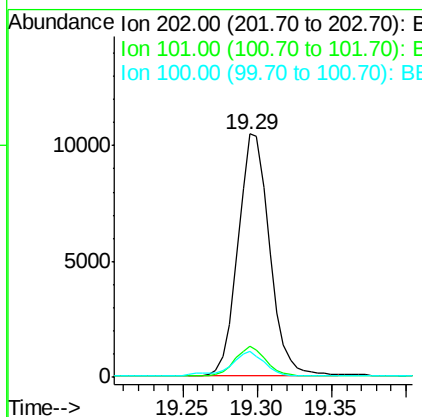
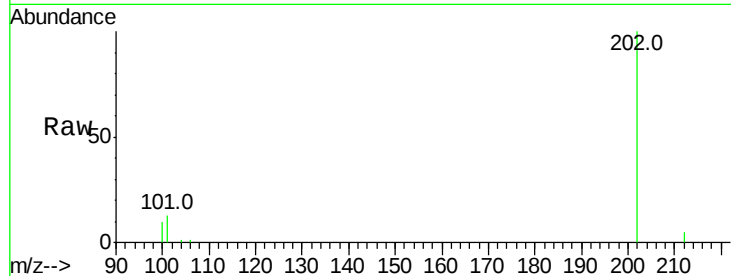




#15
Fluoranthene
 Concen: 0.347 ng/ul
 RT: 19.29 min Scan# 2749
 Delta R.T. -0.02 min
 Lab File: BE094157.D
 Acq: 30 Sep 2017 13:23

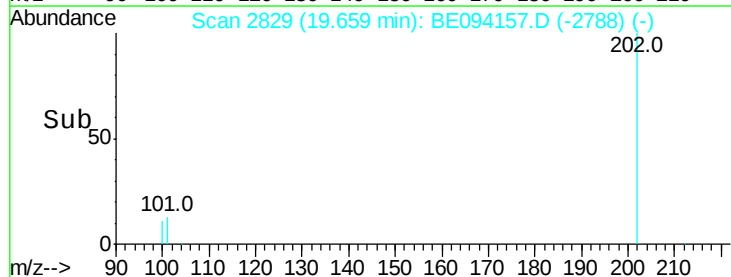
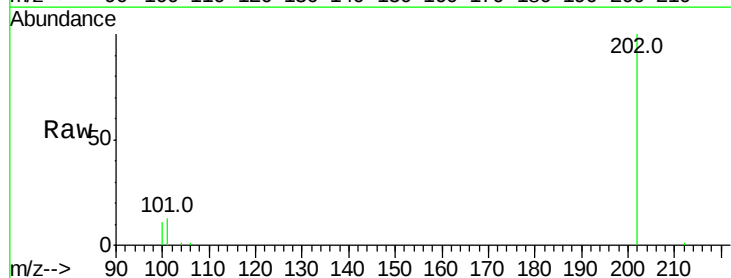
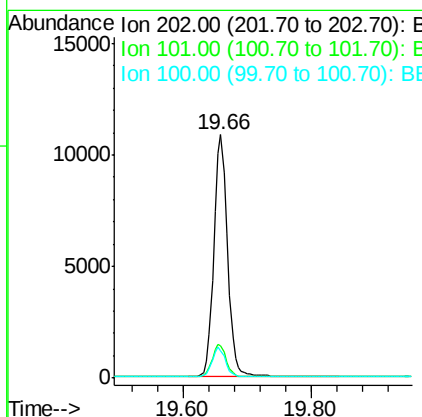
Instrument :
 BNA_E
 ClientSampleId :

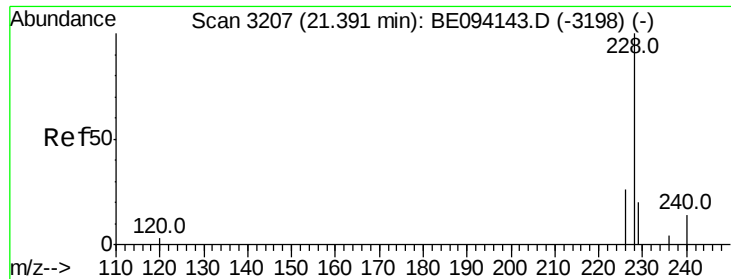
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.3
100	10.4	0.0	39.5



#17
Pyrene
 Concen: 0.444 ng/ul
 RT: 19.66 min Scan# 2829
 Delta R.T. -0.01 min
 Lab File: BE094157.D
 Acq: 30 Sep 2017 13:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	18.2	27.4#
100	11.4	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.445 ng/ul

RT: 21.39 min Scan# 3205

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

Instrument :

BNA_E

ClientSampled :

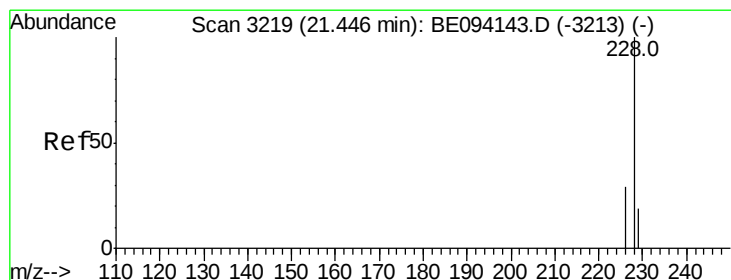
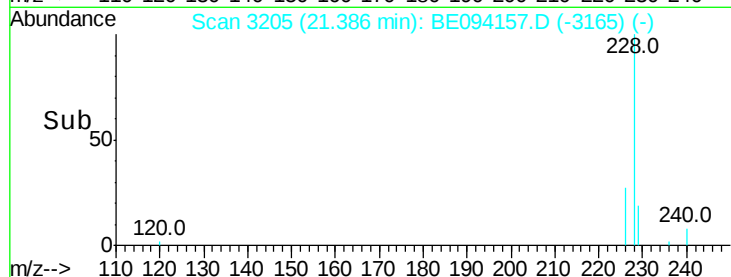
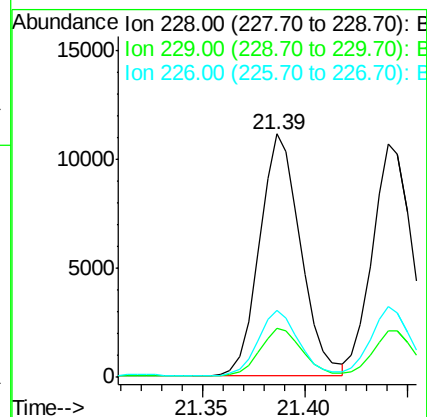
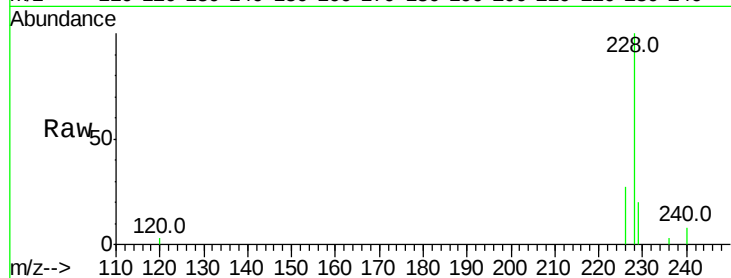
Tot Ion:228 Resp: 15470

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

226 27.3 17.0 25.6#



#19

Chrysene

Concen: 0.376 ng/ul

RT: 21.44 min Scan# 3217

Delta R.T. -0.01 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

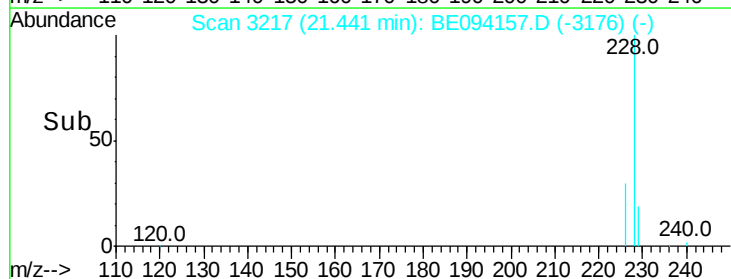
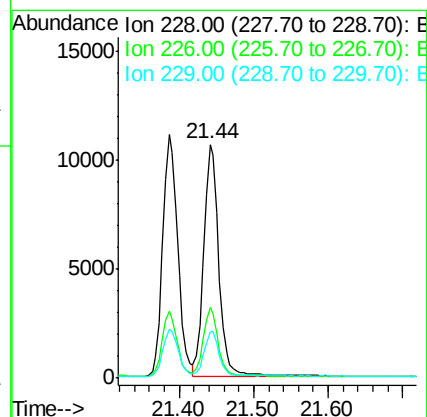
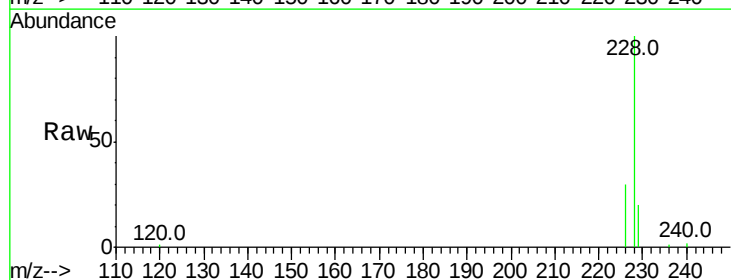
Tgt Ion:228 Resp: 15083

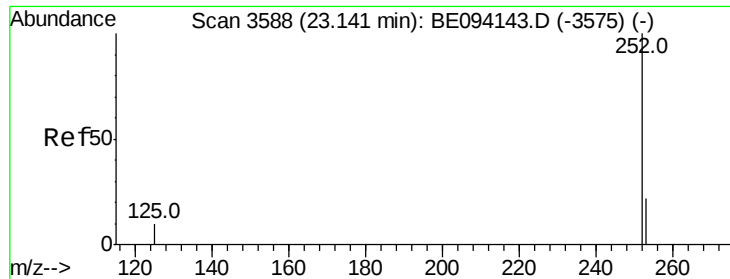
Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 19.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.432 ng/ul

RT: 23.14 min Scan# 3586

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

Instrument :

BNA_E

ClientSampleId :

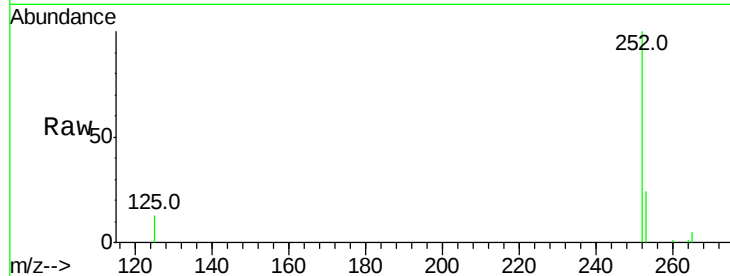
Tot Ion:252 Resp: 14955

Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

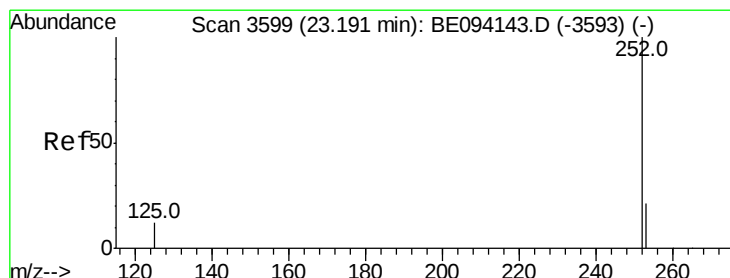
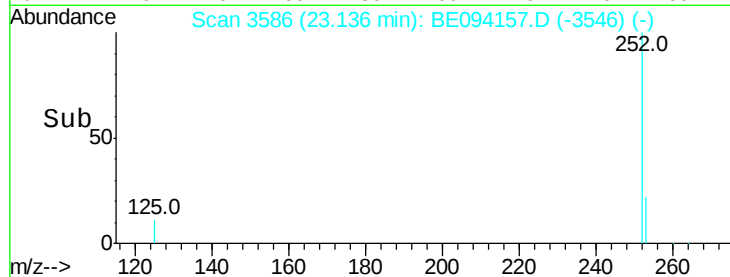
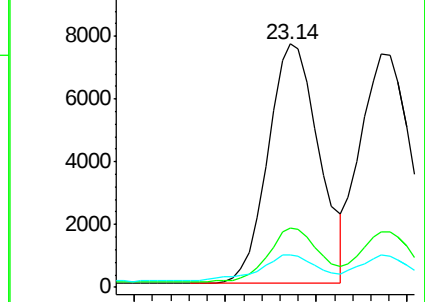
125 13.2 0.0 35.0



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: 0.368 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

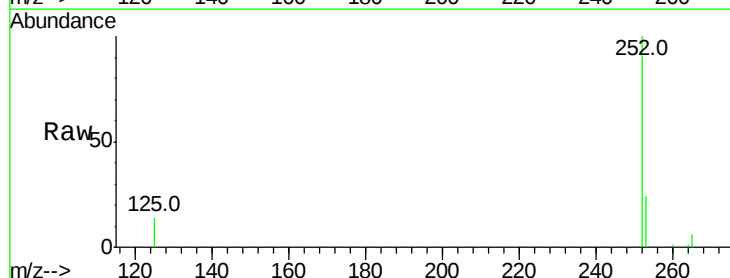
Tgt Ion:252 Resp: 14700

Ion Ratio Lower Upper

252 100

253 24.0 24.5 36.7#

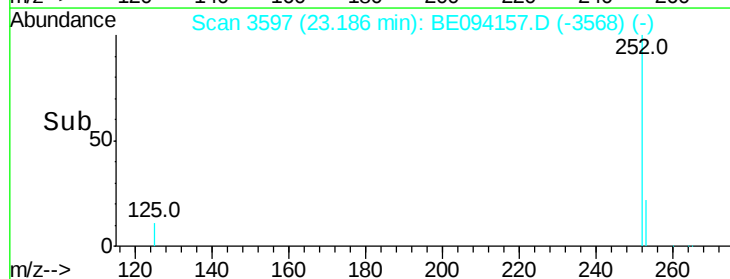
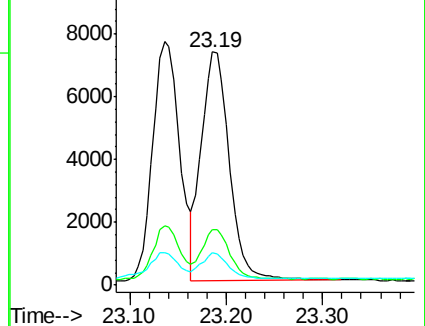
125 13.8 13.7 20.5

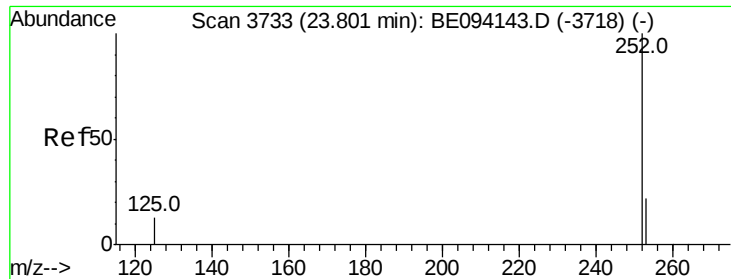


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.409 ng/ul

RT: 23.79 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

Instrument :

BNA_E

ClientSampleId :

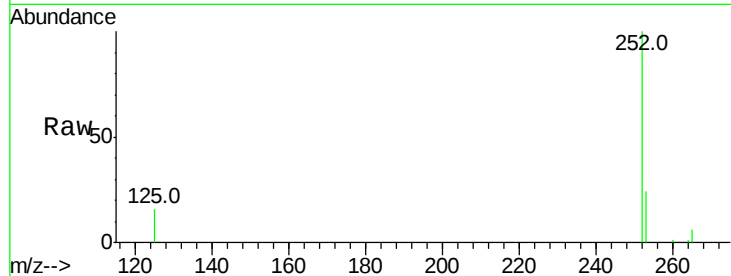
Tot Ion:252 Resp: 14679

Ion Ratio Lower Upper

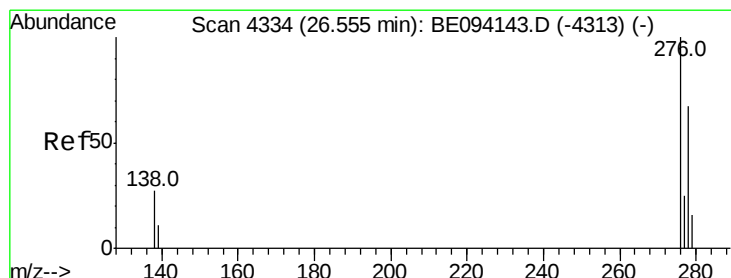
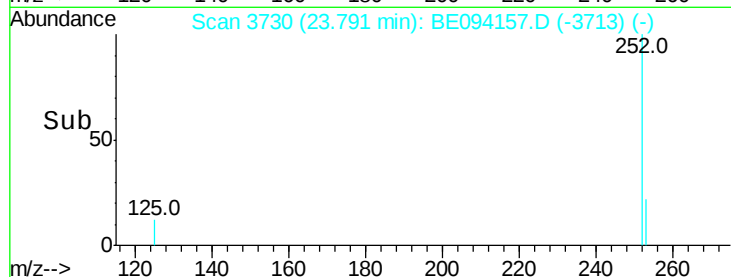
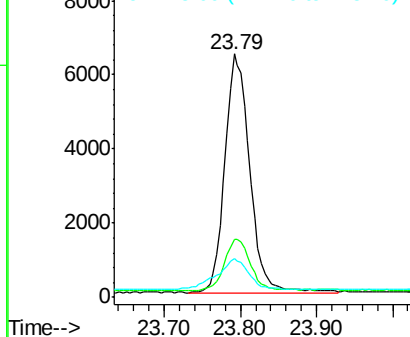
252 100

253 24.0 28.5 42.7#

125 15.8 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: 0.431 ng/ul

RT: 26.55 min Scan# 4333

Delta R.T. -0.03 min

Lab File: BE094157.D

Acq: 30 Sep 2017 13:23

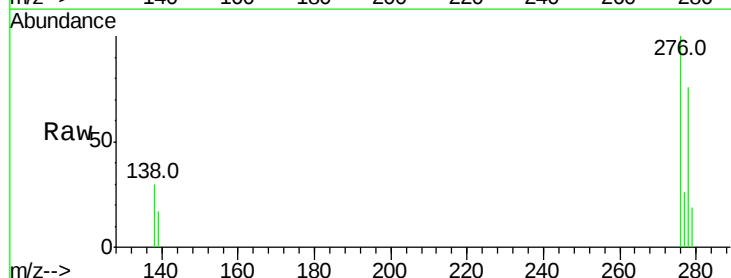
Tgt Ion:276 Resp: 15829

Ion Ratio Lower Upper

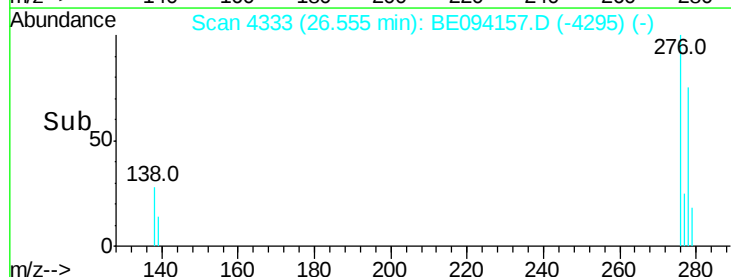
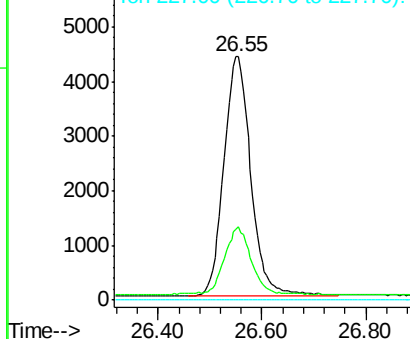
276 100

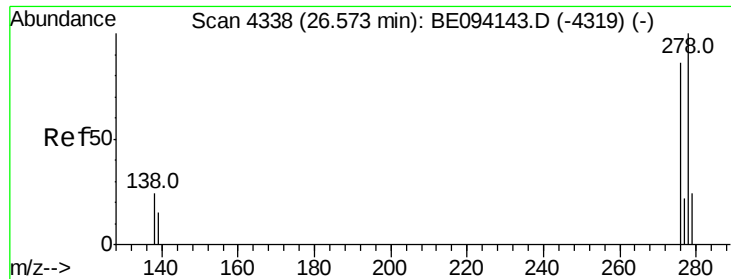
138 28.3 28.0 42.0

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



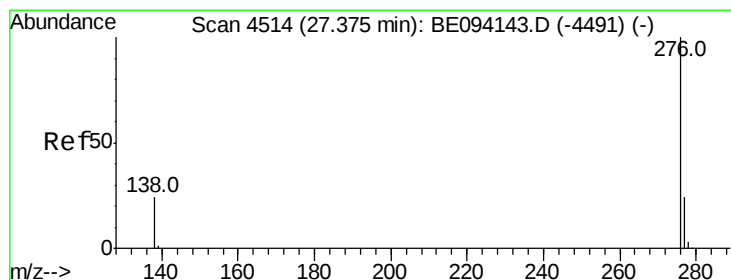
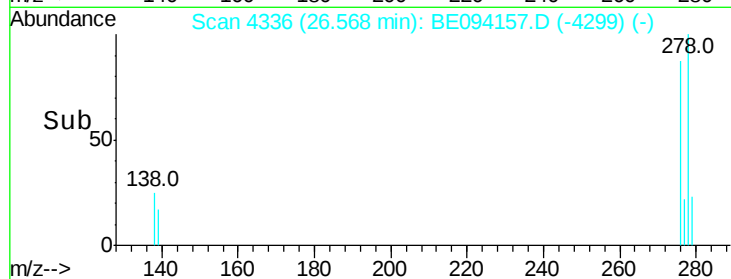
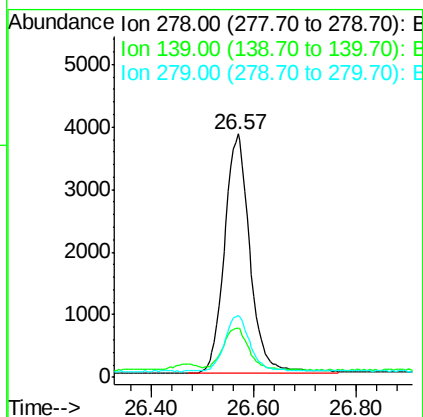
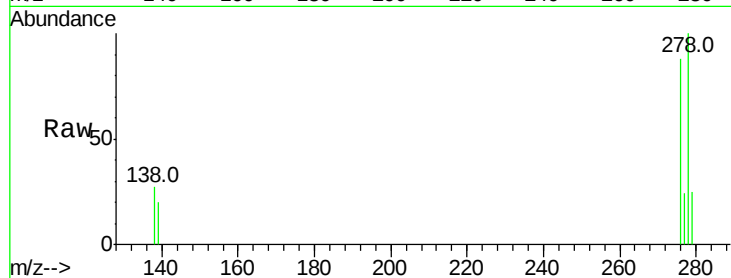


#25

Dibenzo(a,h)anthracene
Concen: 0.427 ng/ul
RT: 26.57 min Scan# 4336
Delta R.T. -0.03 min
Lab File: BE094157.D
Acq: 30 Sep 2017 13:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 13166
Ion Ratio Lower Upper
278 100
139 20.3 17.4 26.0
279 25.3 25.9 38.9#



#26

Benzo(g,h,i)perylene
Concen: 0.419 ng/ul
RT: 27.37 min Scan# 4512
Delta R.T. -0.03 min
Lab File: BE094157.D
Acq: 30 Sep 2017 13:23

Tgt Ion:276 Resp: 13292
Ion Ratio Lower Upper
276 100
138 26.3 21.8 32.8
277 24.9 20.5 30.7

