

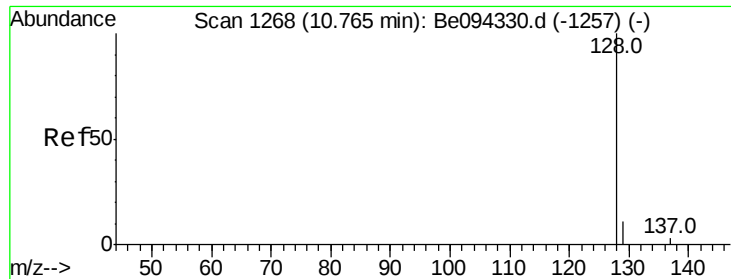
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094336.D
 Acq On : 13 Oct 2017 23:05
 Operator : SJ/JU
 Sample : I5568-07DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 04:02:22 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 03:57:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1681	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8677	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	4884	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10379	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	9894	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10629	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	616	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1337	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	6419	0.302	ng/ul#	95
5) 2-Methylnaphthalene	12.37	142	3300	0.239	ng/ul	99
7) Acenaphthylene	14.26	152	1396	0.073	ng/ul#	73
8) Acenaphthene	14.60	153	17700	1.129	ng/ul	97
9) Fluorene	15.58	166	17370	0.946	ng/ul#	91
11) Pentachlorophenol	16.96	266	96	0.079	ng/ul#	40
12) Phenanthrene	17.31	178	251562	9.275	ng/ul#	88
13) Anthracene	17.39	178	68810	2.609	ng/ul#	89
15) Fluoranthene	19.33	202	631631	17.724	ng/ul	85
17) Pyrene	19.69	202	547689	19.895	ng/ul#	81
18) Benzo(a)anthracene	21.42	228	409705	15.609	ng/ul#	88
19) Chrysene	21.48	228	367884	12.137	ng/ul	97
21) Benzo(b)fluoranthene	23.20	252	675233	23.386	ng/ul	90
22) Benzo(k)fluoranthene	23.20	252	675233	20.232	ng/ul#	91
23) Benzo(a)pyrene	23.87	252	346815	11.559	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.68	276	199019	6.484	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.68	278	57652	2.239	ng/ul#	75
26) Benzo(g,h,i)perylene	27.52	276	169691	6.410	ng/ul	96

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



#3

Naphthalene

Concen: 0.302 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :

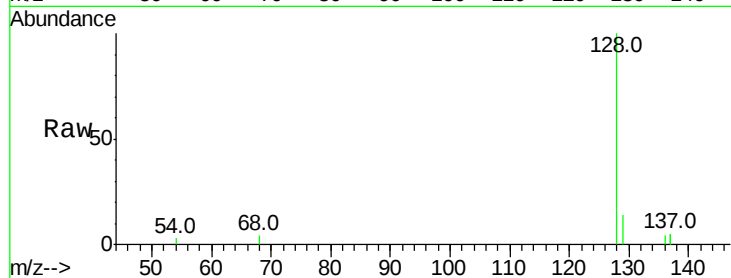
Tot Ion:128 Resp: 6419

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

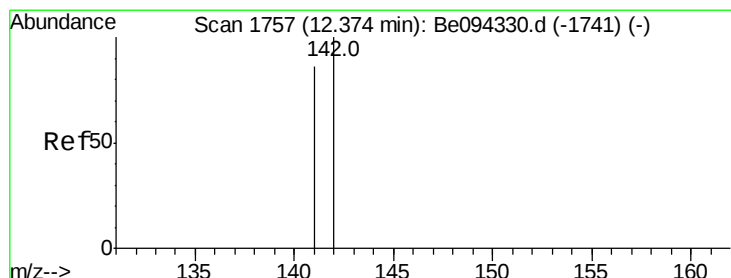
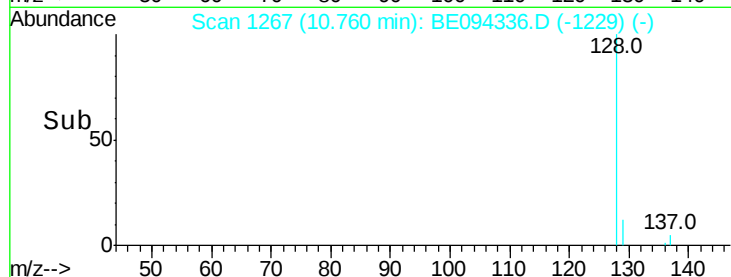
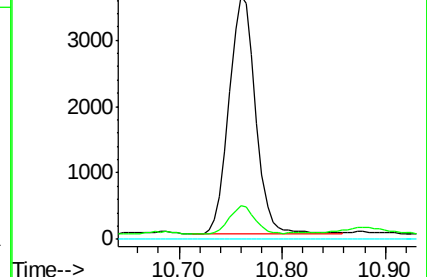
127 0.0 4.0 6.0#



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: 0.239 ng/ul

RT: 12.37 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BE094336.D

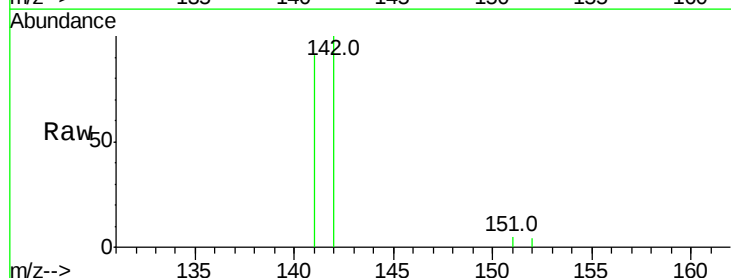
Acq: 13 Oct 2017 23:05

Tgt Ion:142 Resp: 3300

Ion Ratio Lower Upper

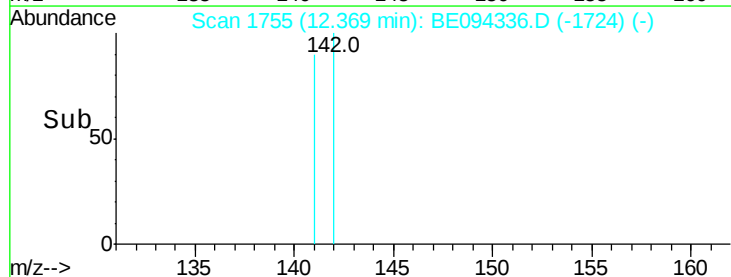
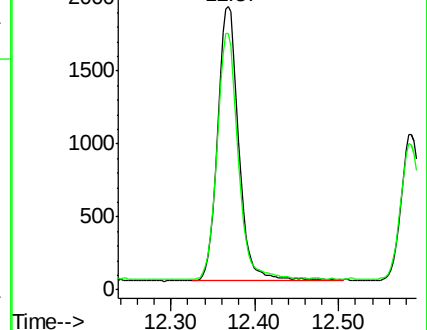
142 100

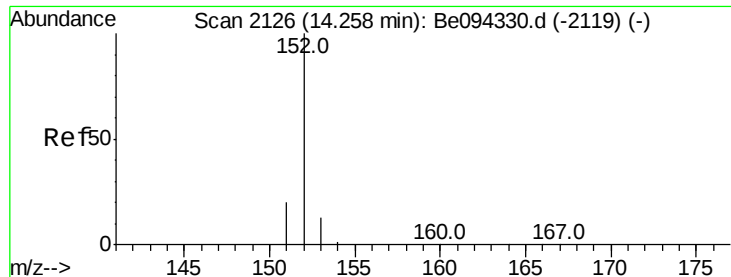
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.073 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :

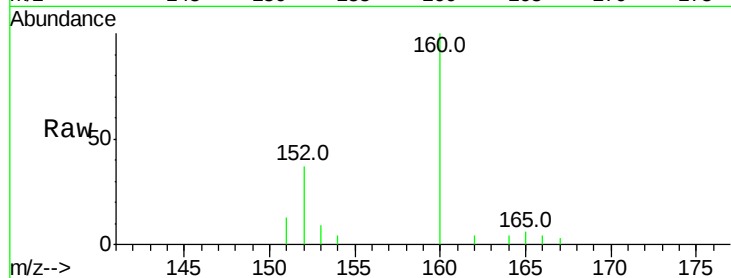
Tot Ion:152 Resp: 1396

Ion Ratio Lower Upper

152 100

151 36.3 17.1 25.7#

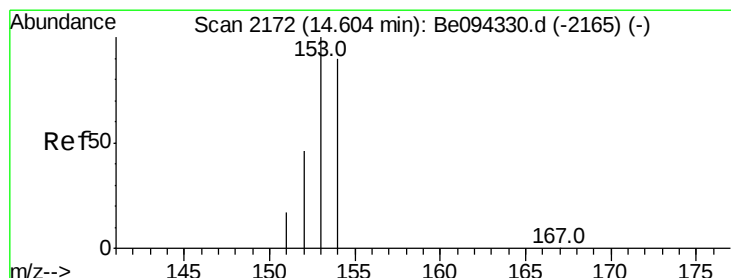
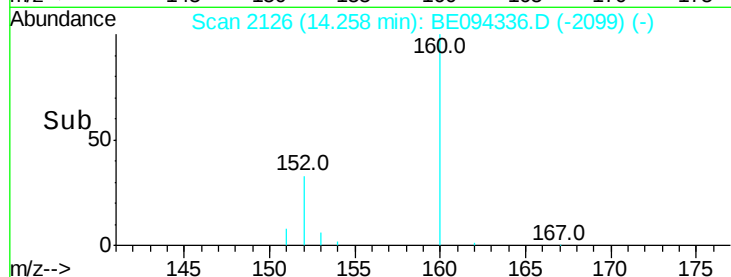
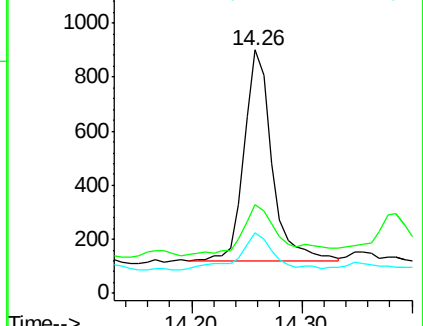
153 25.1 12.8 19.2#



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: 1.129 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

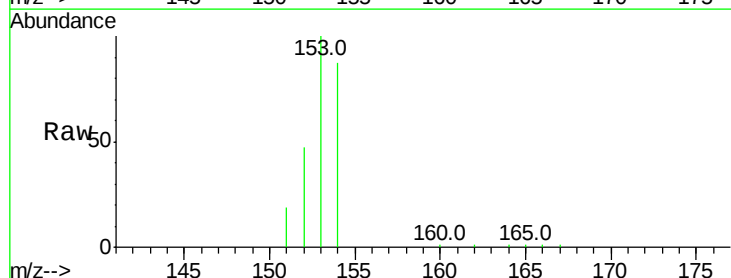
Tgt Ion:153 Resp: 17700

Ion Ratio Lower Upper

153 100

152 47.2 40.3 60.5

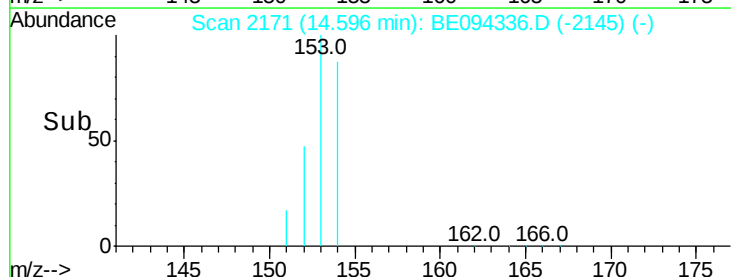
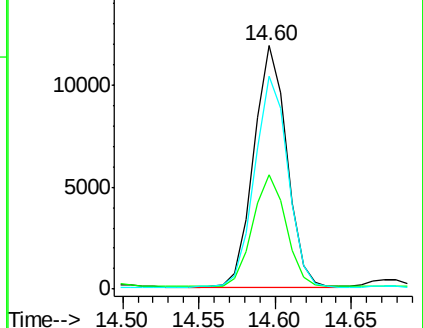
154 87.2 71.4 107.2

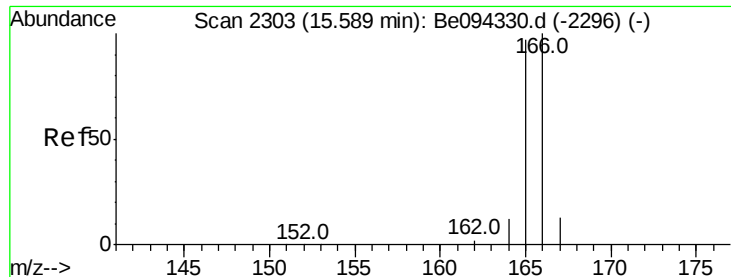


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.946 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :

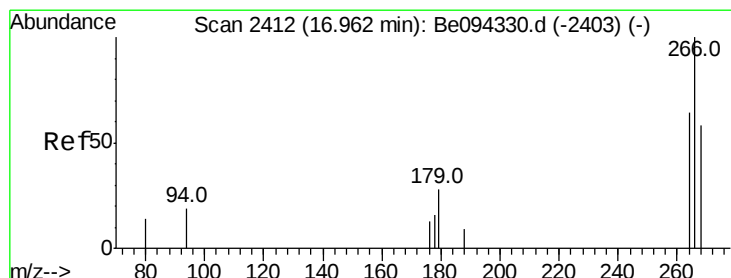
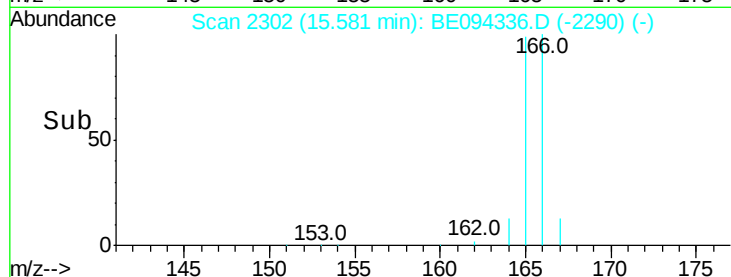
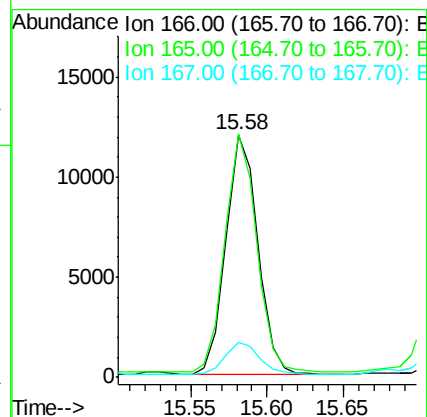
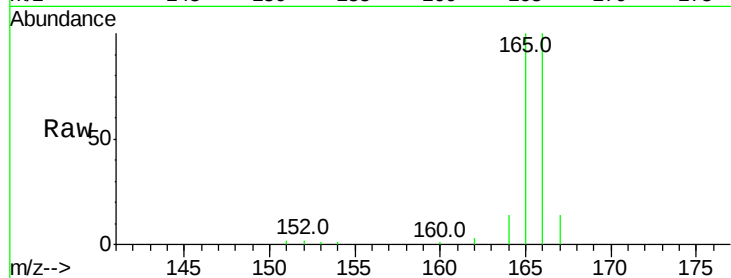
Tot Ion:166 Resp: 17370

Ion Ratio Lower Upper

166 100

165 100.3 73.4 110.2

167 14.5 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.079 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

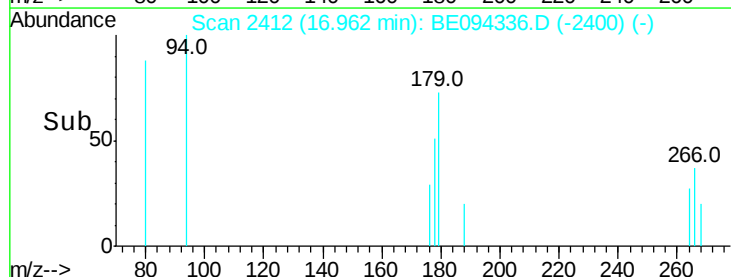
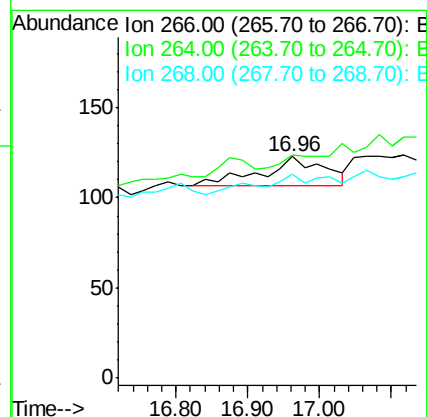
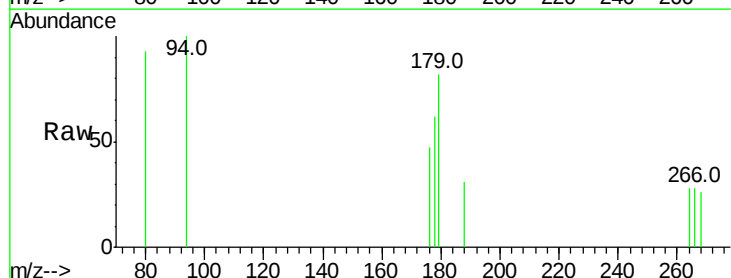
Tgt Ion:266 Resp: 96

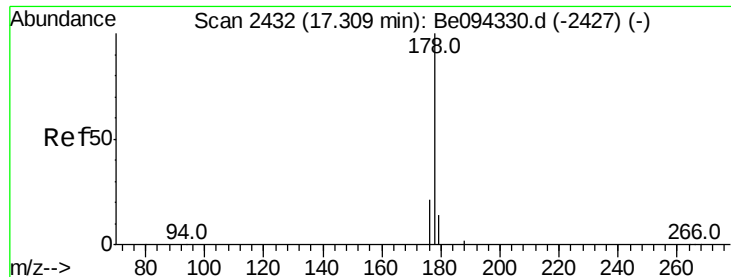
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 30.2 49.8 74.8#





#12

Phenanthrene

Concen: 9.275 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :

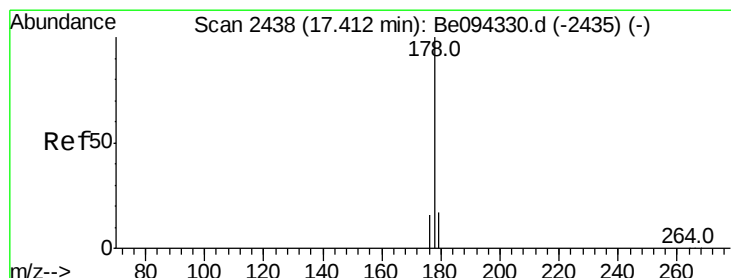
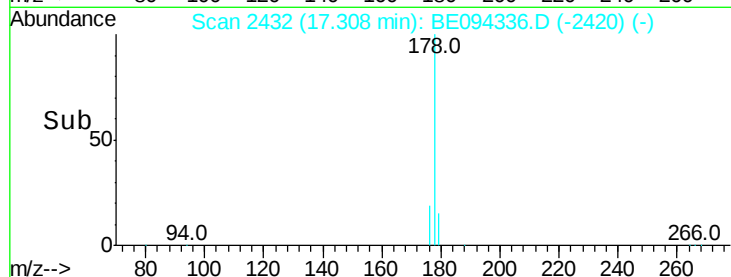
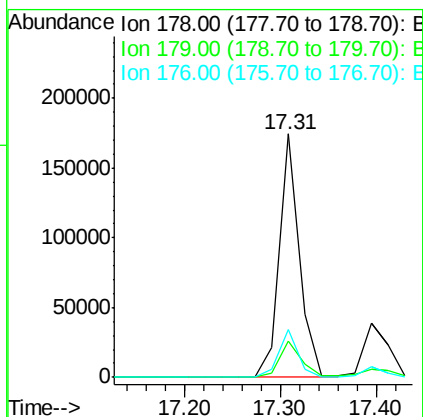
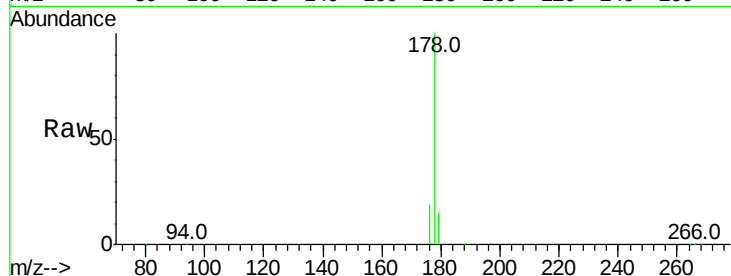
Tot Ion:178 Resp: 251562

Ion Ratio Lower Upper

178 100

179 15.1 18.4 27.6#

176 19.4 13.6 20.4



#13

Anthracene

Concen: 2.609 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

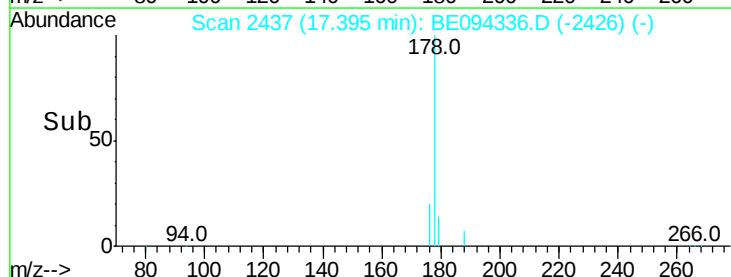
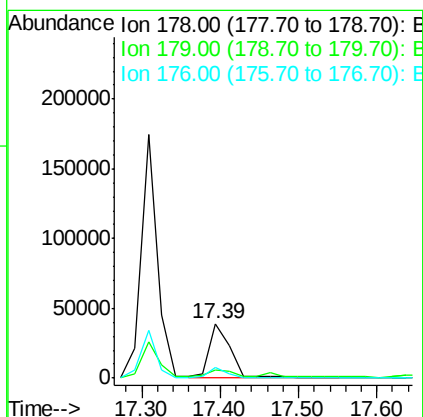
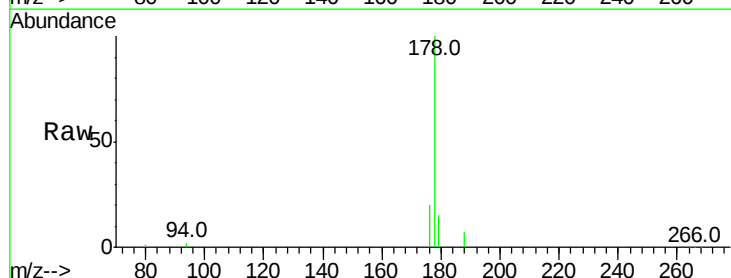
Tgt Ion:178 Resp: 68810

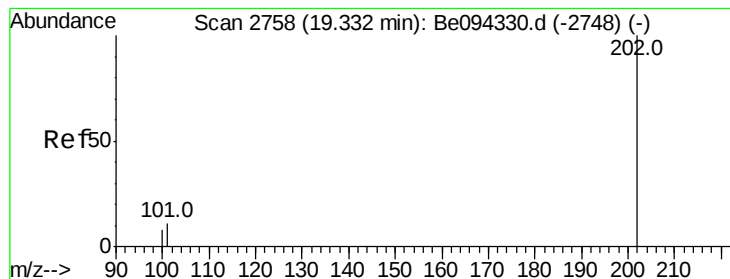
Ion Ratio Lower Upper

178 100

179 14.9 18.1 27.1#

176 20.5 14.7 22.1





#15

Fluoranthene

Concen: 17.724 ng/ul

RT: 19.33 min Scan# 2757

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :

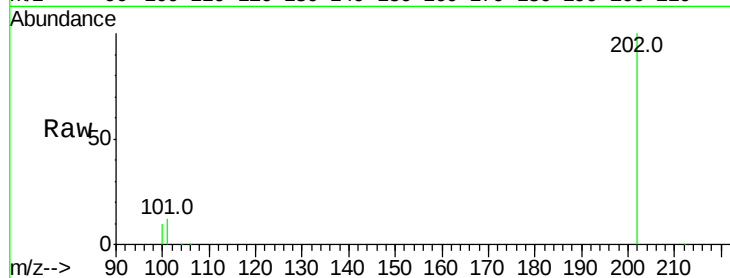
Tot Ion:202 Resp: 631631

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.3

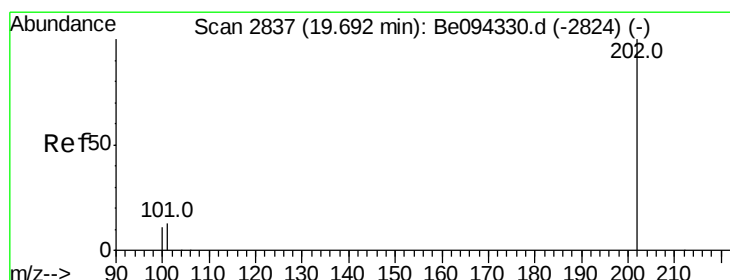
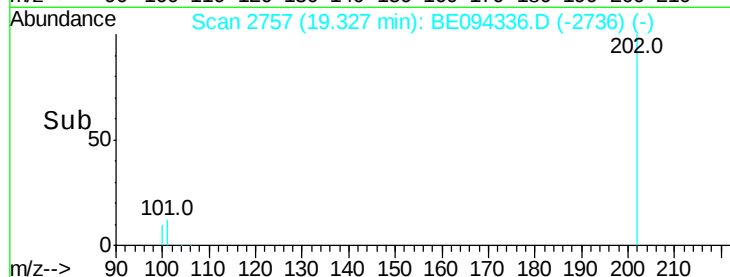
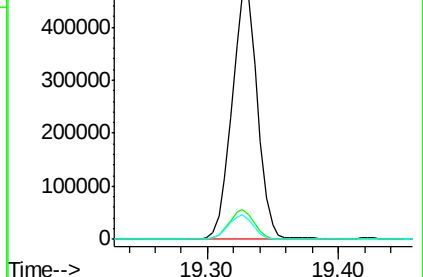
100 10.0 0.0 39.5



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: 19.895 ng/ul

RT: 19.69 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

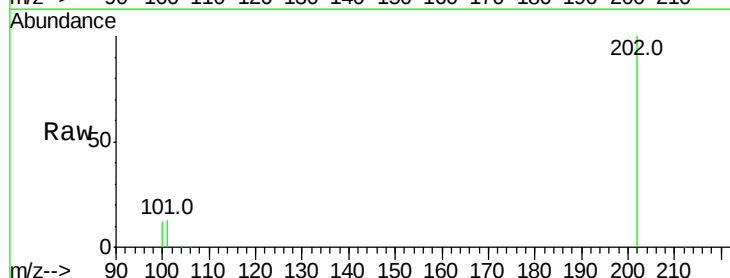
Tgt Ion:202 Resp: 547689

Ion Ratio Lower Upper

202 100

101 13.3 18.2 27.4#

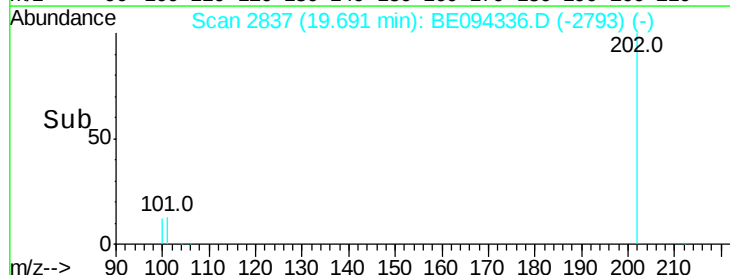
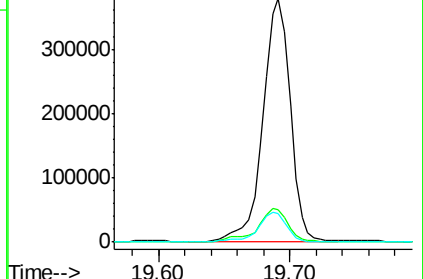
100 11.6 15.6 23.4#

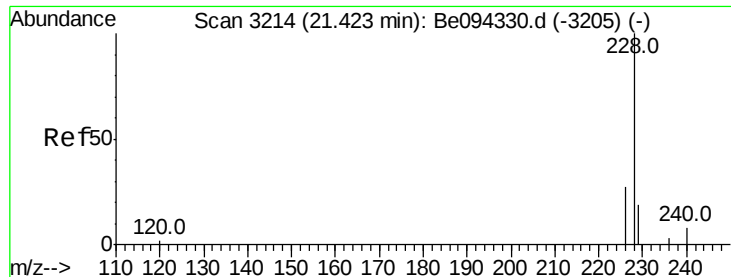


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 15.609 ng/ul

RT: 21.42 min Scan# 3214

Delta R.T. -0.00 min

Lab File: BE094336.D

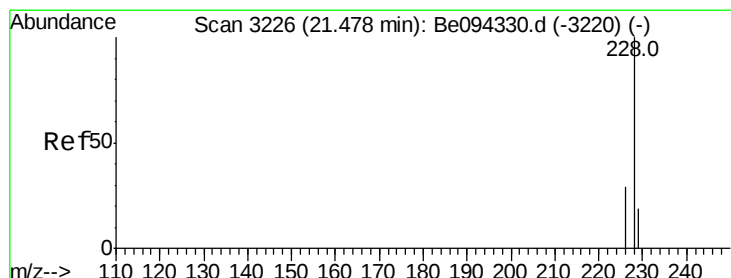
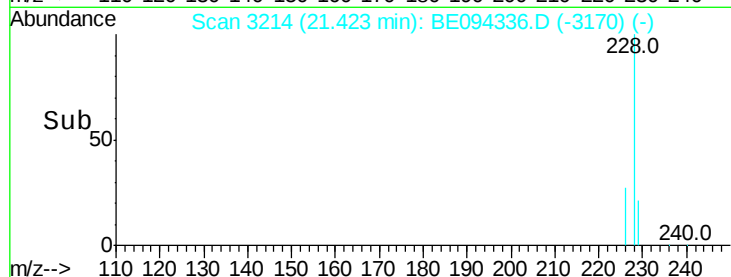
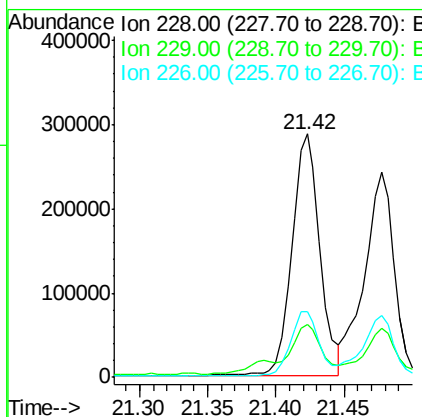
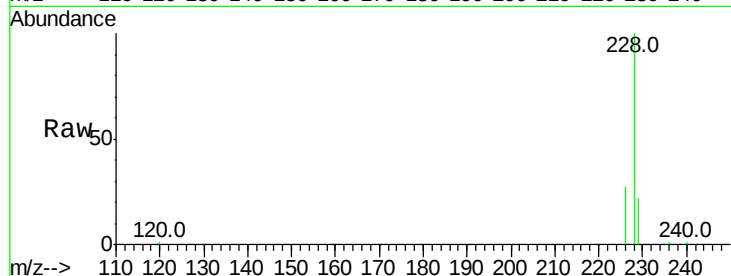
Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :

Tot Ion:228	Resp:	409705
Ion Ratio	Lower	Upper
228	100	
229	21.9	22.8 34.2#
226	27.2	17.0 25.6#



#19

Chrysene

Concen: 12.137 ng/ul

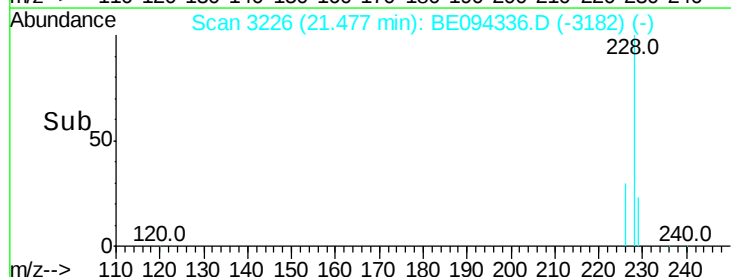
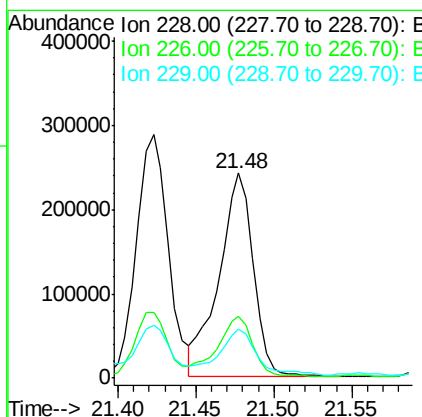
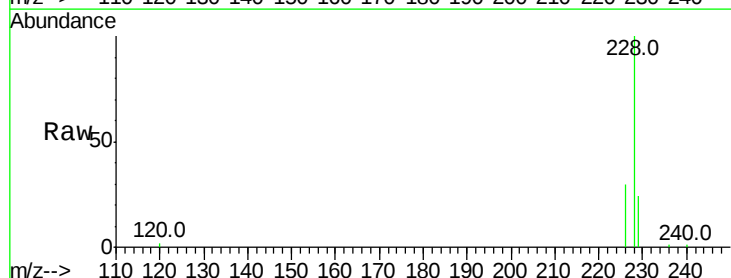
RT: 21.48 min Scan# 3226

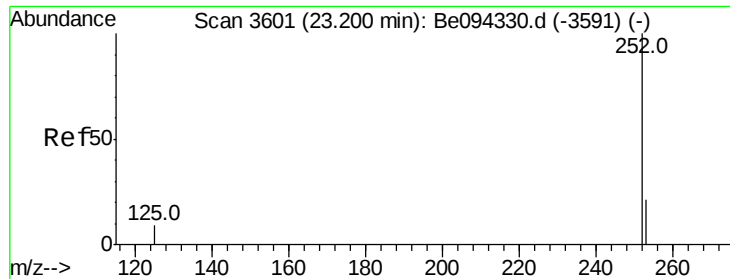
Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Tgt Ion:228	Resp:	367884
Ion Ratio	Lower	Upper
228	100	
226	30.1	23.4 35.0
229	23.8	17.7 26.5

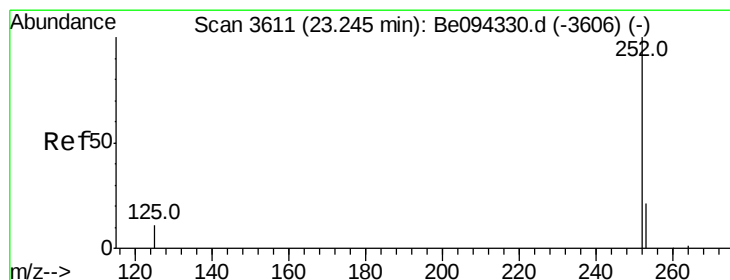
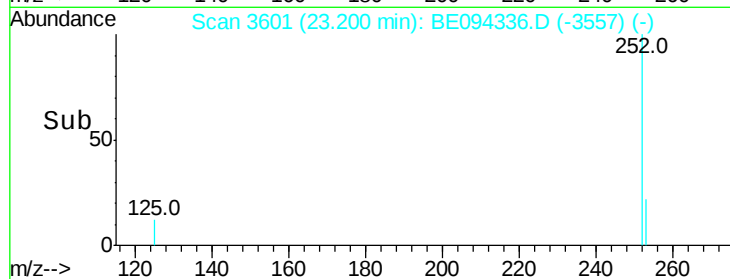
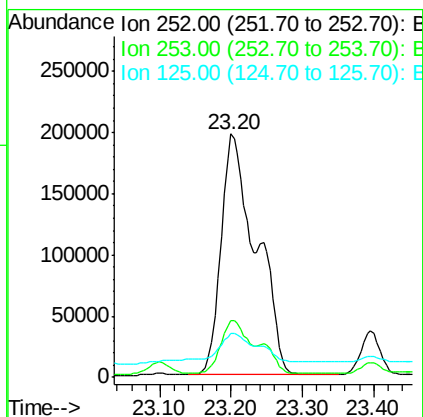
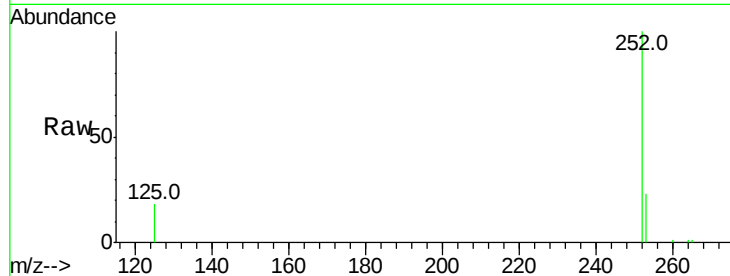




#21
Benzo(b)fluoranthene
Concen: 23.386 ng/ul
RT: 23.20 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BE094336.D
Acq: 13 Oct 2017 23:05

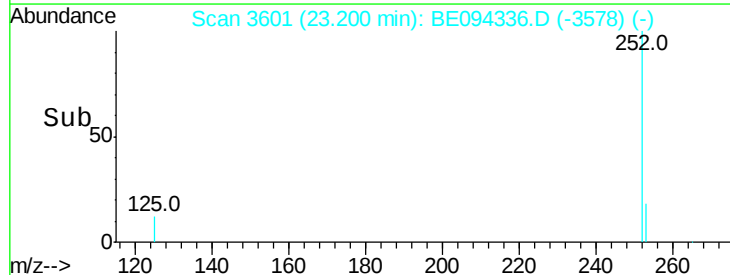
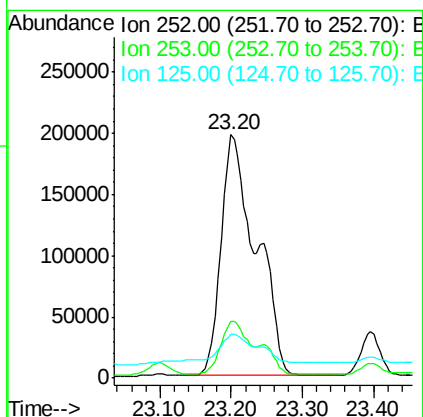
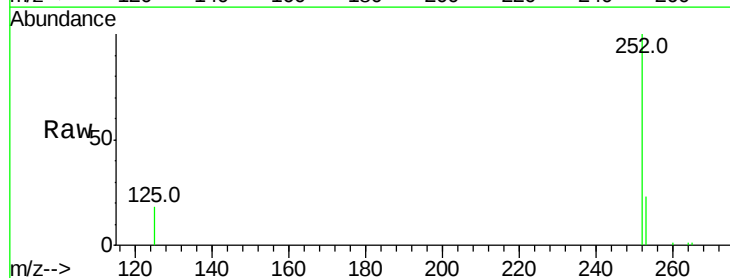
Instrument :
BNA_E
ClientSampleId :

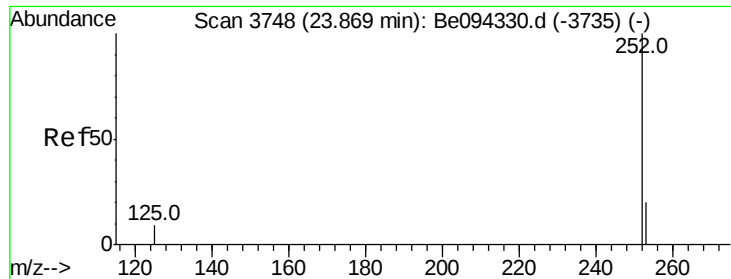
Tot Ion:252 Resp: 675233
Ion Ratio Lower Upper
252 100
253 23.4 0.0 64.2
125 18.0 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 20.232 ng/ul
RT: 23.20 min Scan# 3601
Delta R.T. -0.05 min
Lab File: BE094336.D
Acq: 13 Oct 2017 23:05

Tgt Ion:252 Resp: 675233
Ion Ratio Lower Upper
252 100
253 23.4 24.5 36.7#
125 18.0 13.7 20.5





#23

Benzo(a)pyrene

Concen: 11.559 ng/ul

RT: 23.87 min Scan# 3748

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :

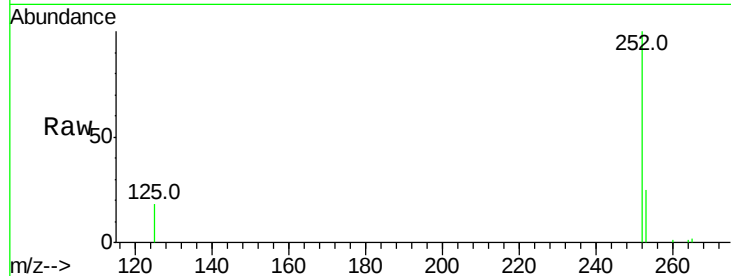
Tot Ion:252 Resp: 346815

Ion Ratio Lower Upper

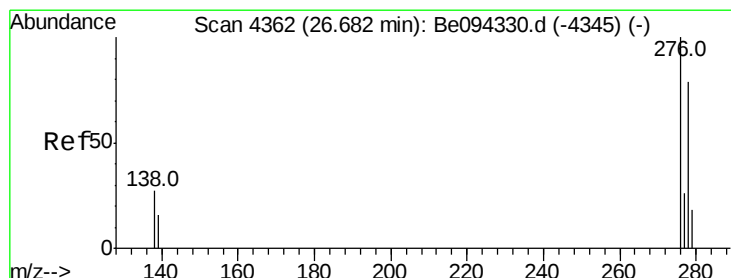
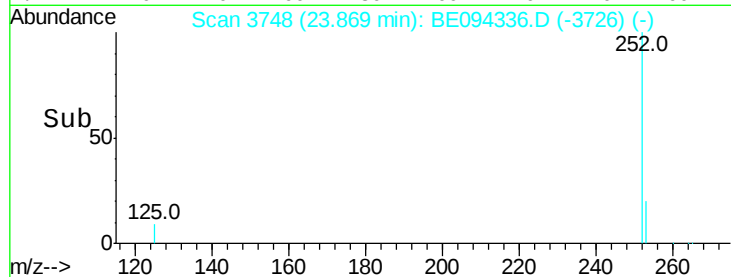
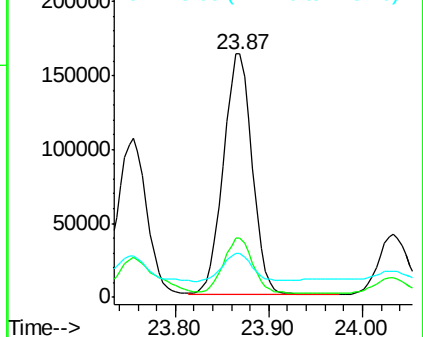
252 100

253 24.6 28.5 42.7#

125 18.1 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: 6.484 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

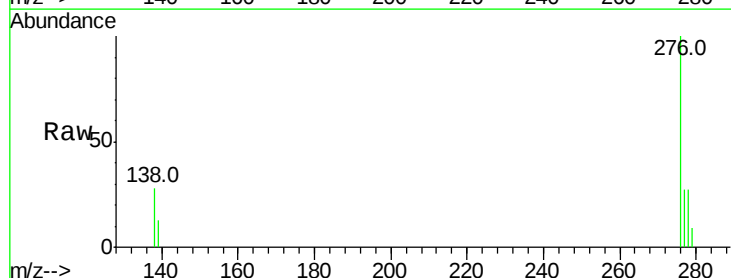
Tgt Ion:276 Resp: 199019

Ion Ratio Lower Upper

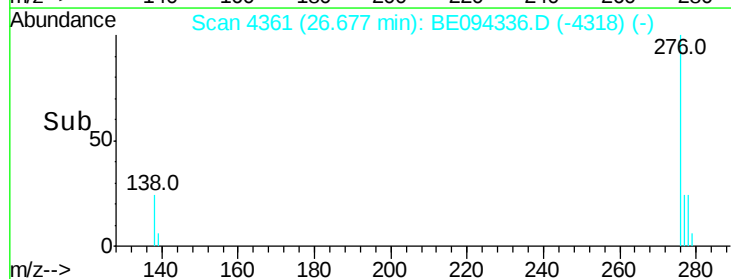
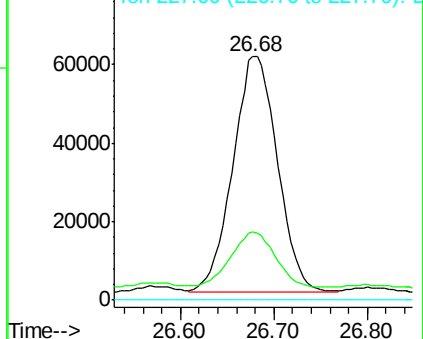
276 100

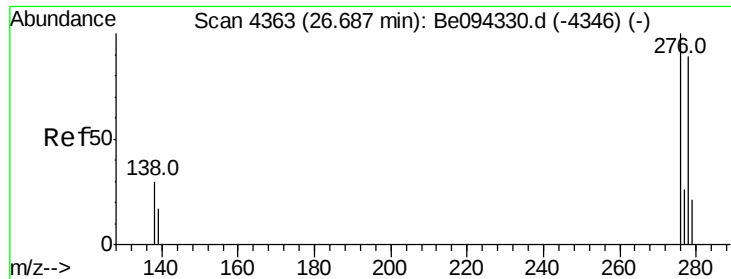
138 23.6 28.0 42.0#

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: 2.239 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. -0.01 min

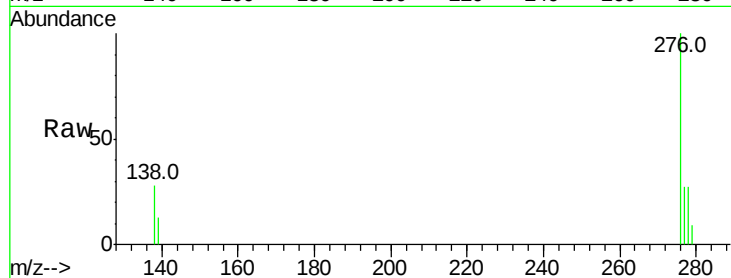
Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Instrument :

BNA_E

ClientSampleId :



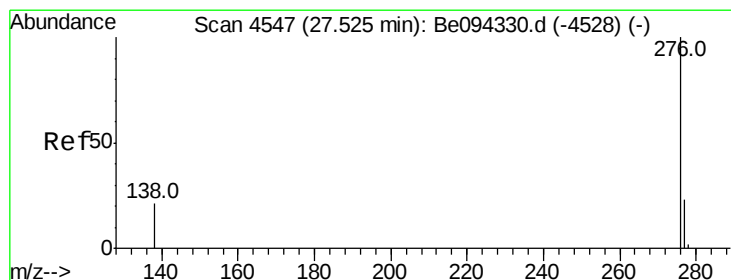
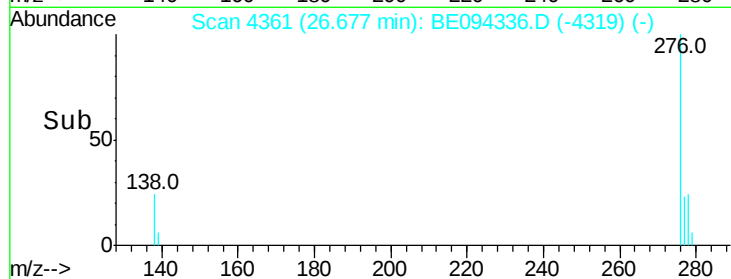
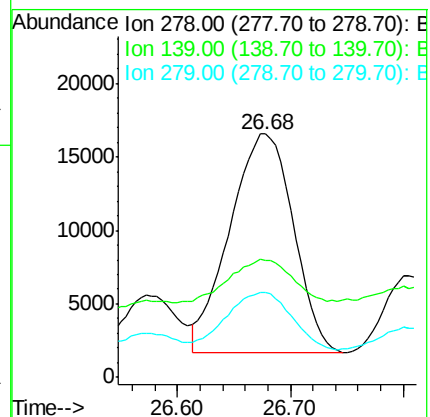
Tot Ion:278 Resp: 57652

Ion Ratio Lower Upper

278 100

139 48.1 17.4 26.0#

279 35.0 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 6.410 ng/ul

RT: 27.52 min Scan# 4547

Delta R.T. -0.00 min

Lab File: BE094336.D

Acq: 13 Oct 2017 23:05

Tgt Ion:276 Resp: 169691

Ion Ratio Lower Upper

276 100

138 29.1 21.8 32.8

277 27.6 20.5 30.7

