

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094552.D
 Acq On : 26 Oct 2017 2:50
 Operator : SJ/JU
 Sample : I5747-06 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 12:01:02 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

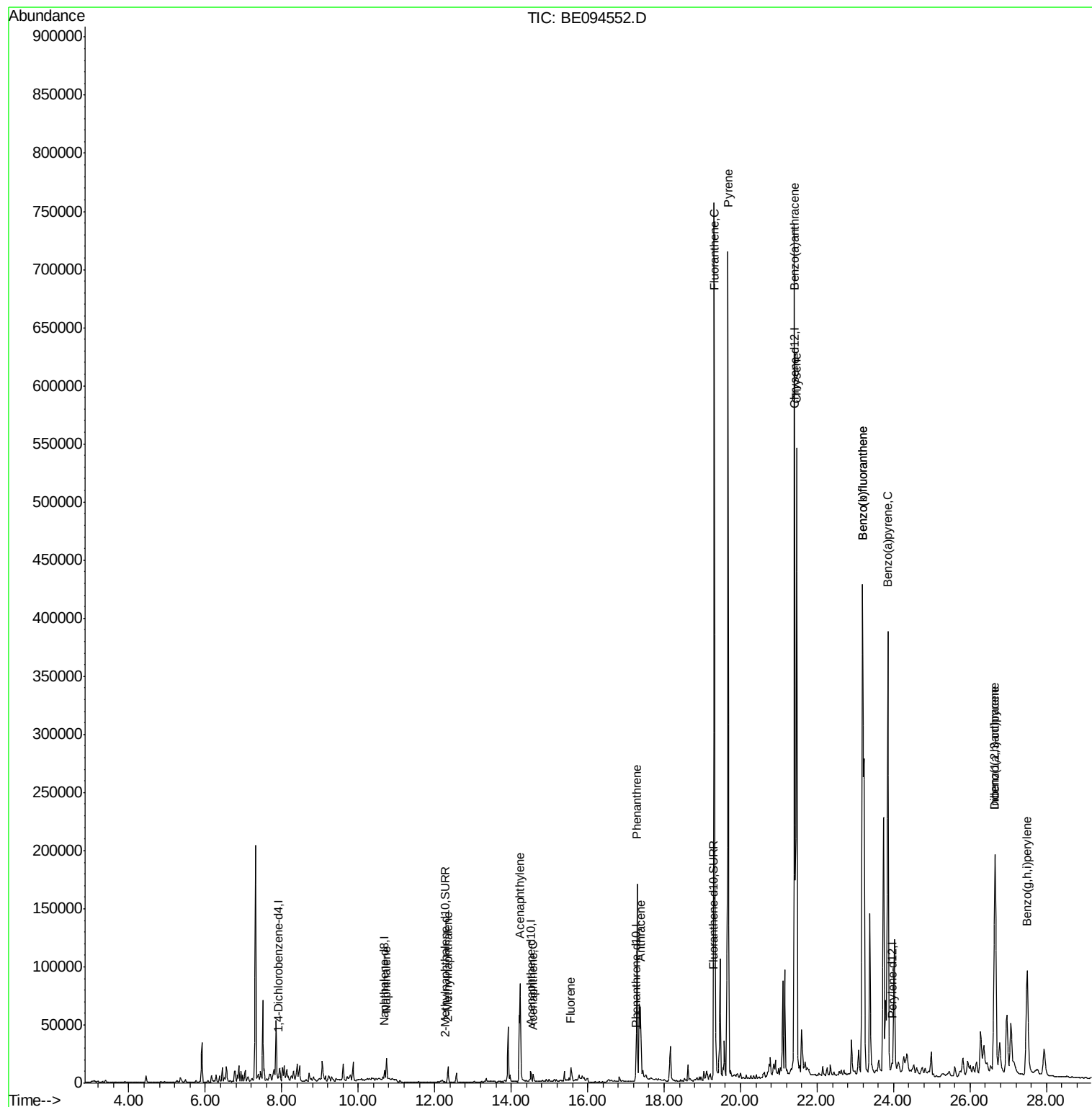
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1585	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8964	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5092	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11626	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11667	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	13329	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	721	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	969	0.03	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	30017	1.370	ng/ul#	93
5) 2-Methylnaphthalene	12.34	142	11342	0.740	ng/ul	96
7) Acenaphthylene	14.24	152	107566	4.670	ng/ul	96
8) Acenaphthene	14.57	153	3942	0.238	ng/ul#	90
9) Fluorene	15.56	166	9719	0.523	ng/ul	90
12) Phenanthrene	17.29	178	186981	6.089	ng/ul#	90
13) Anthracene	17.38	178	98346	3.245	ng/ul#	89
15) Fluoranthene	19.31	202	823734	23.202	ng/ul	83
17) Pyrene	19.68	202	792392	21.969	ng/ul#	79
18) Benzo(a)anthracene	21.41	228	687428	20.611	ng/ul#	86
19) Chrysene	21.47	228	560570	16.260	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	1147689	30.610	ng/ul	85
22) Benzo(k)fluoranthene	23.19	252	1147689	28.564	ng/ul#	86
23) Benzo(a)pyrene	23.85	252	594643	15.866	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.66	276	373778	9.638	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.65	278	104767	3.206	ng/ul	96
26) Benzo(a,h,i)perylene	27.50	276	239624	7.695	ng/ul	96

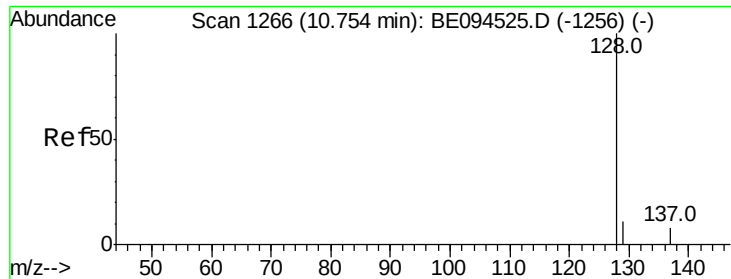
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.370 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :

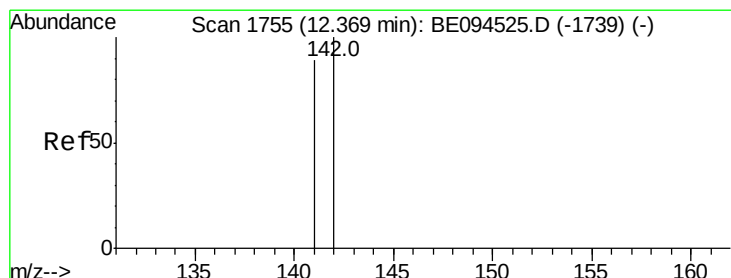
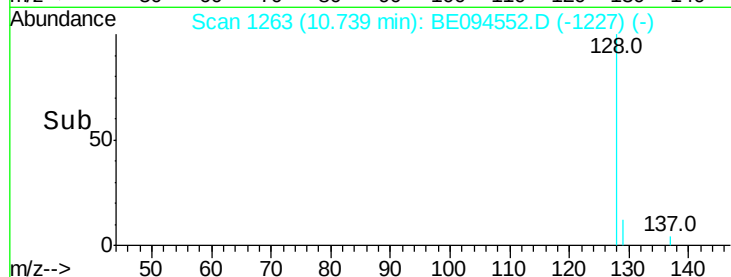
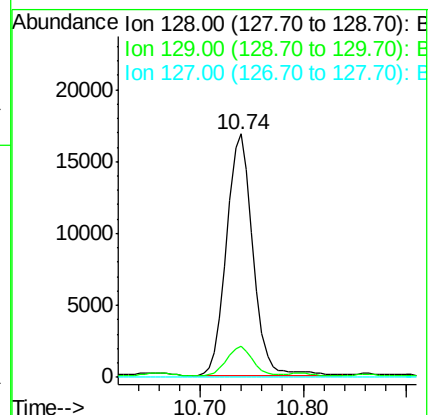
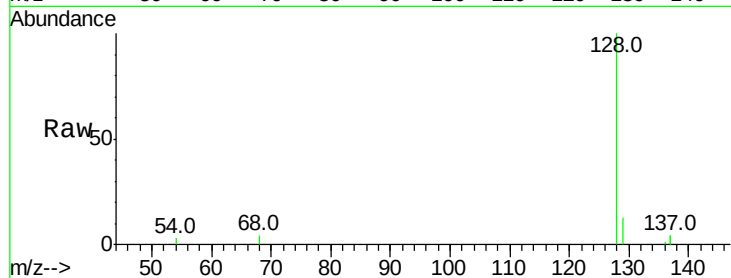
Tot Ion:128 Resp: 30017

Ion Ratio Lower Upper

128 100

129 12.7 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.740 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094552.D

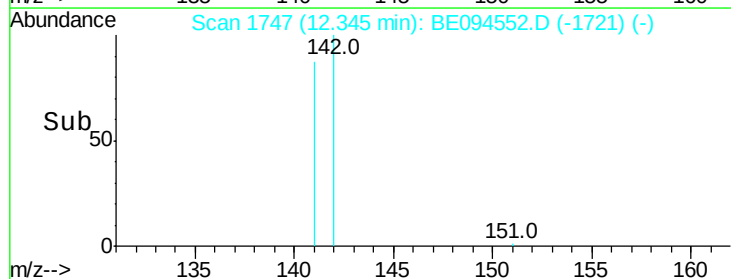
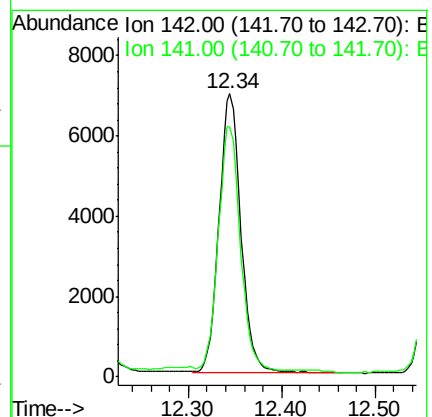
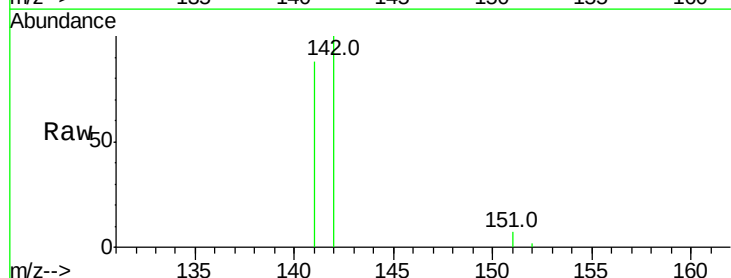
Acq: 26 Oct 2017 2:50

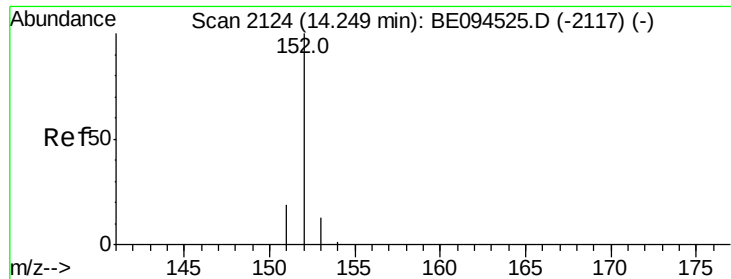
Tgt Ion:142 Resp: 11342

Ion Ratio Lower Upper

142 100

141 87.3 72.6 108.8





#7

Acenaphthylene

Concen: 4.670 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :

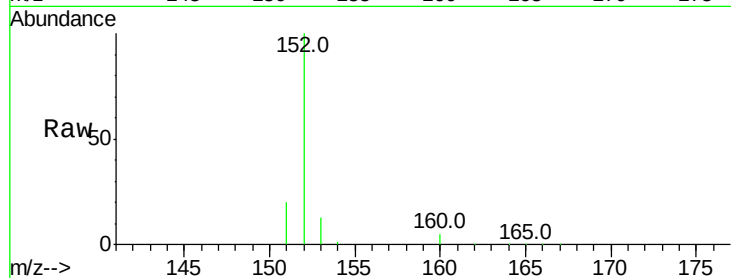
Tot Ion:152 Resp: 107566

Ion Ratio Lower Upper

152 100

151 19.9 17.1 25.7

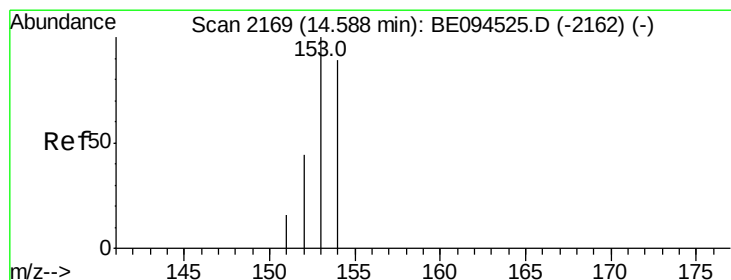
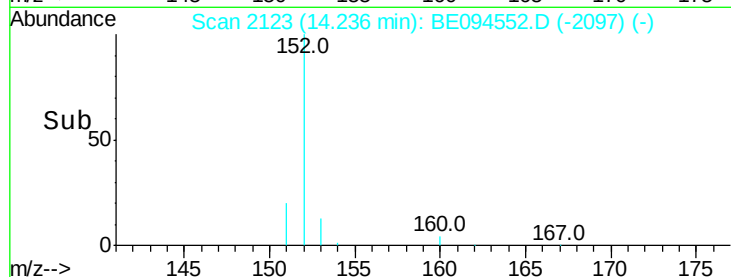
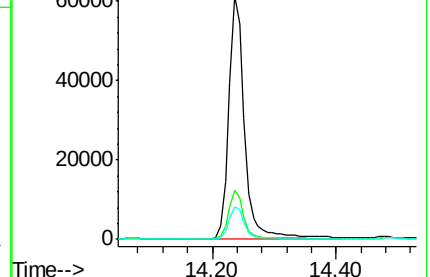
153 13.5 12.8 19.2



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: 0.238 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

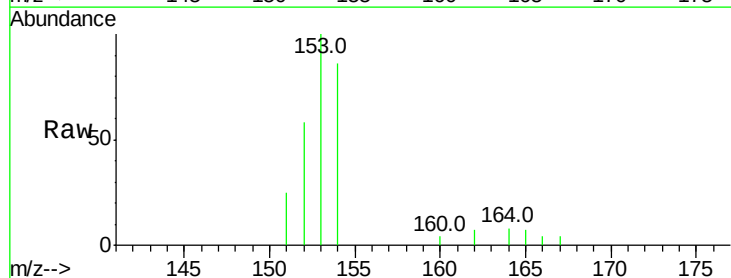
Tgt Ion:153 Resp: 3942

Ion Ratio Lower Upper

153 100

152 57.7 36.0 54.0#

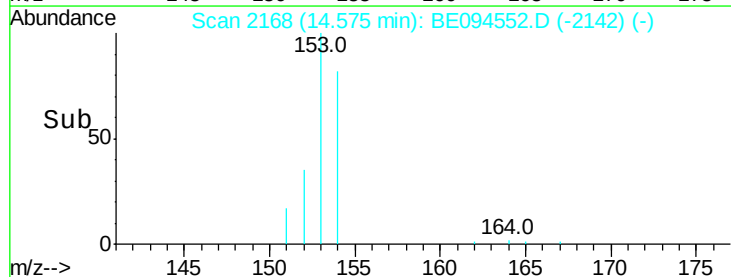
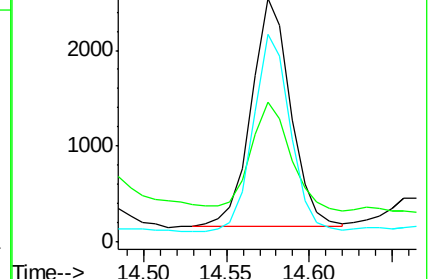
154 85.5 72.0 108.0

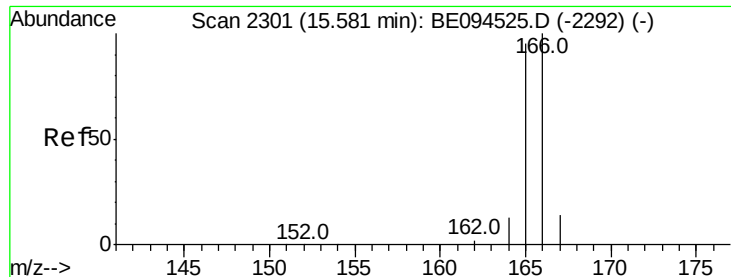


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.523 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :

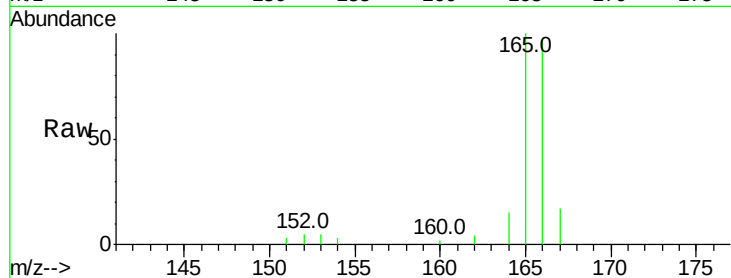
Tot Ion:166 Resp: 9719

Ion Ratio Lower Upper

166 100

165 103.2 73.4 110.2

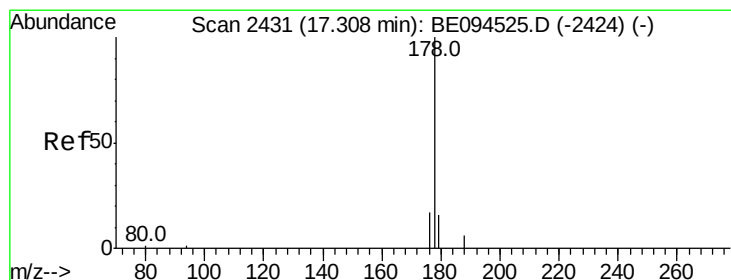
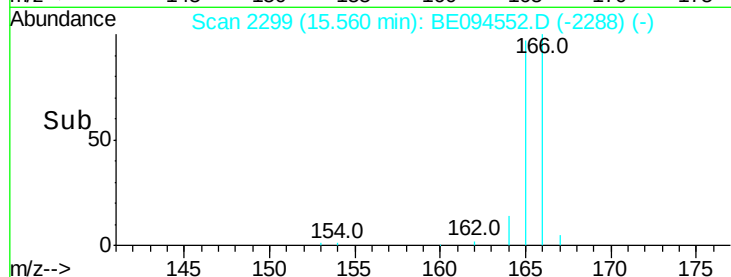
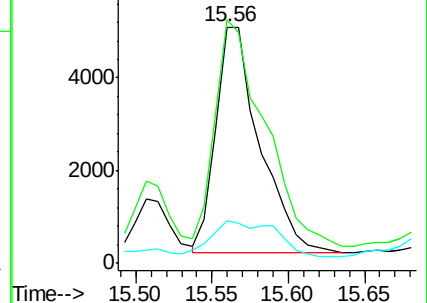
167 17.9 14.6 22.0



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



#12

Phenanthrene

Concen: 6.089 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

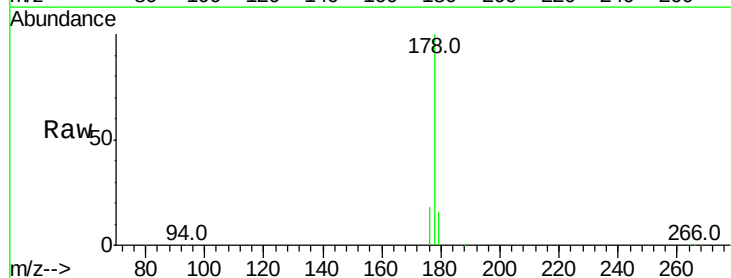
Tgt Ion:178 Resp: 186981

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

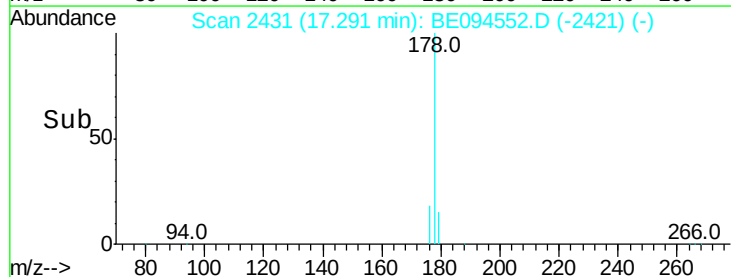
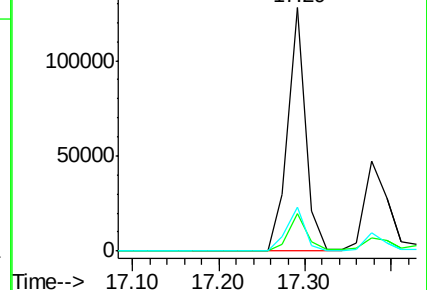
176 17.9 13.6 20.4

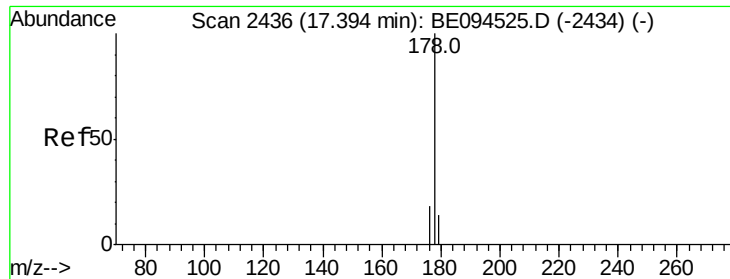


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 3.245 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :

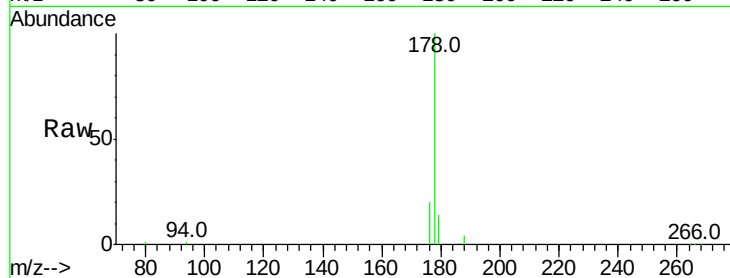
Tot Ion:178 Resp: 98346

Ion Ratio Lower Upper

178 100

179 14.4 18.1 27.1#

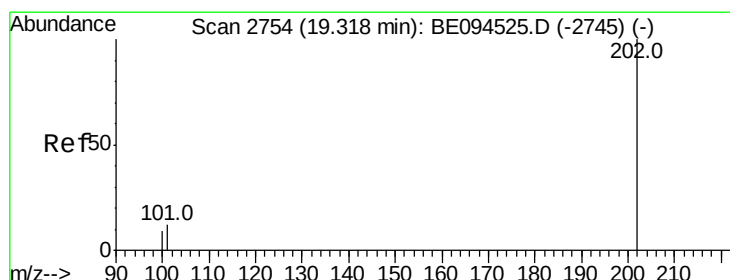
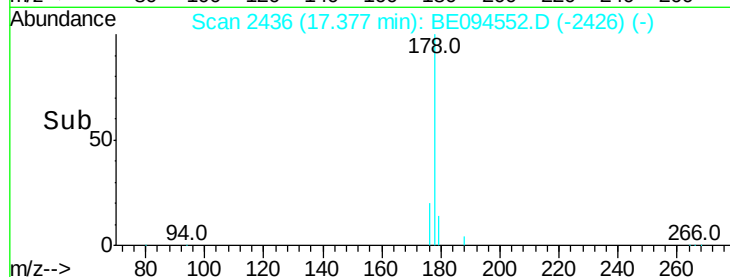
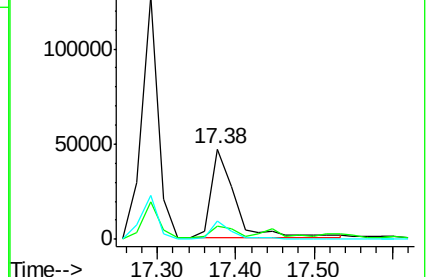
176 19.7 14.7 22.1



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: 23.202 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

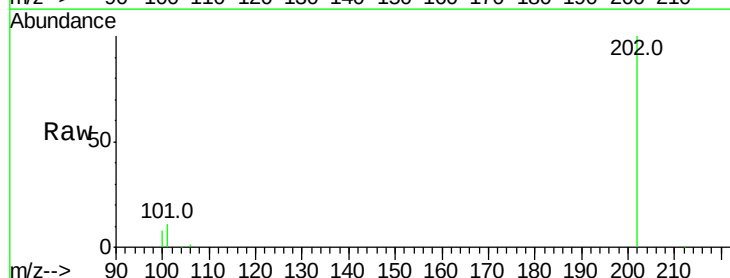
Tgt Ion:202 Resp: 823734

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

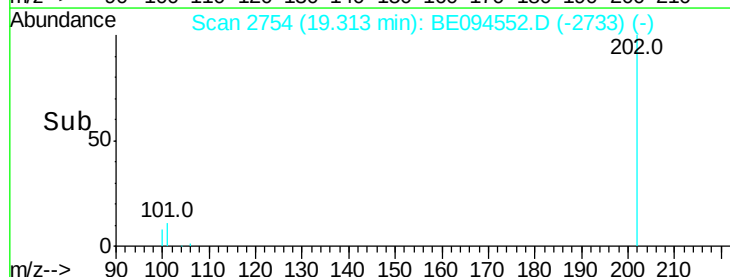
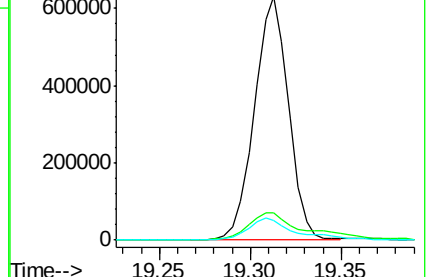
100 8.1 0.0 39.5

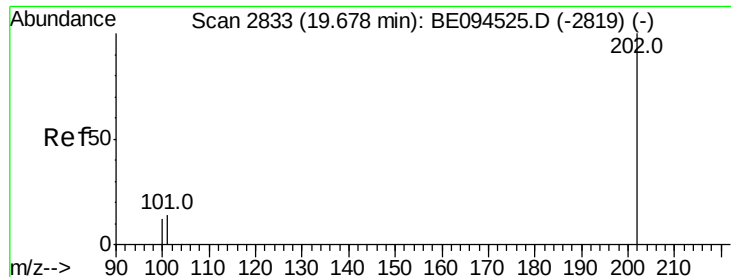


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 21.969 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BE094552.D

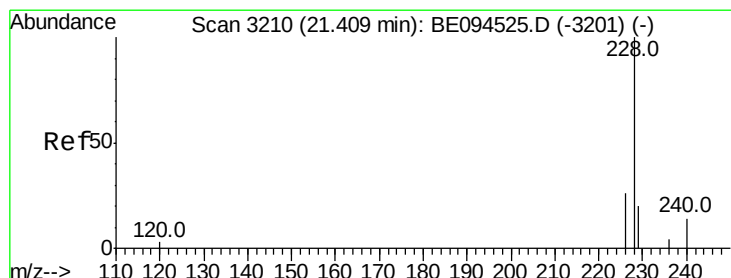
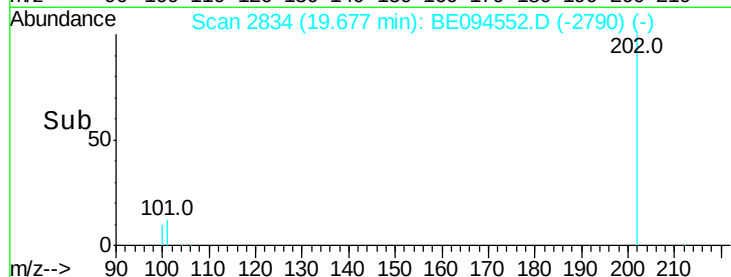
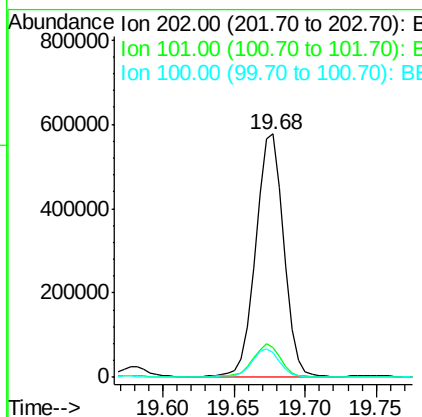
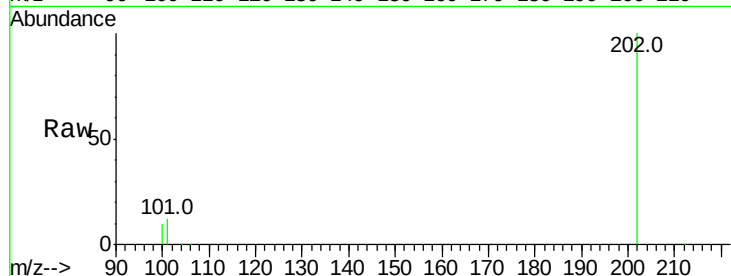
Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	792392
Ion Ratio	Lower	Upper	
202	100		
101	12.2	18.2	27.4#
100	10.2	15.6	23.4#



#18

Benzo(a)anthracene

Concen: 20.611 ng/ul

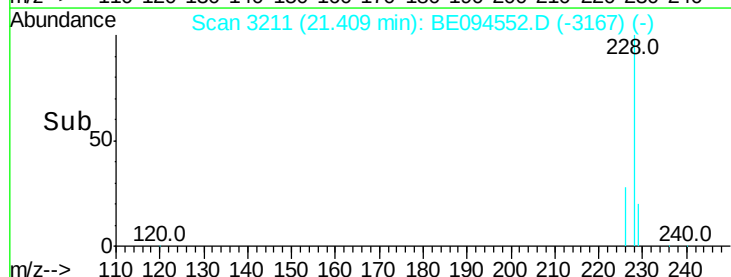
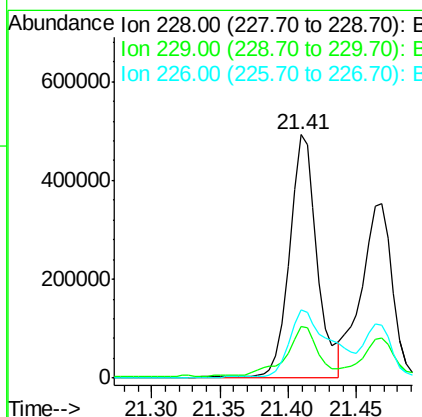
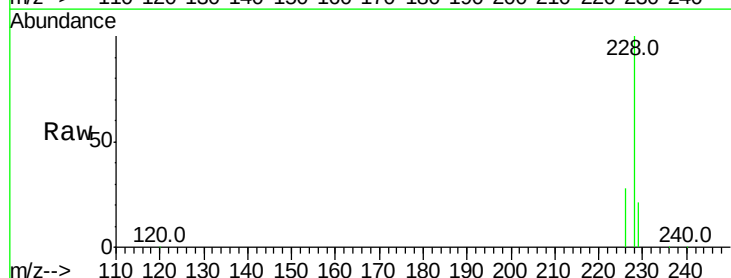
RT: 21.41 min Scan# 3211

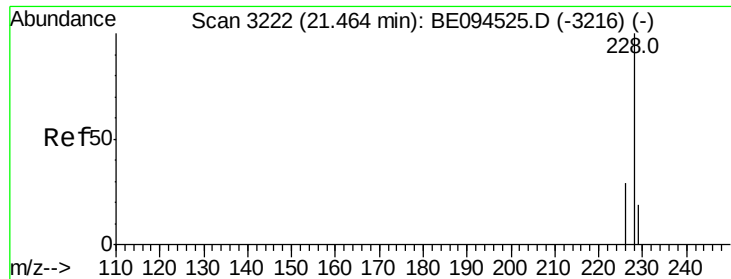
Delta R.T. 0.00 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Tgt Ion:	228	Resp:	687428
Ion Ratio	Lower	Upper	
228	100		
229	20.9	22.8	34.2#
226	28.3	17.0	25.6#





#19

Chrysene

Concen: 16.260 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :

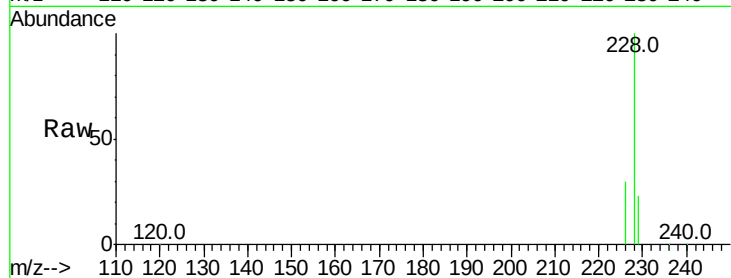
Tot Ion:228 Resp: 560570

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

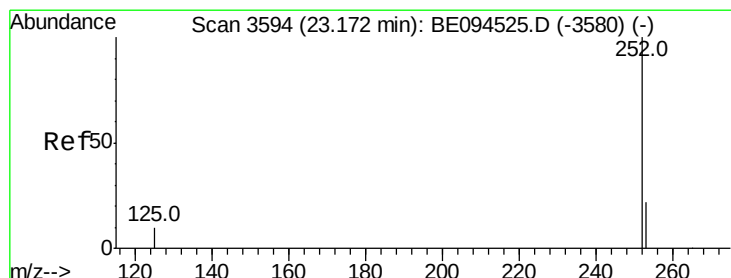
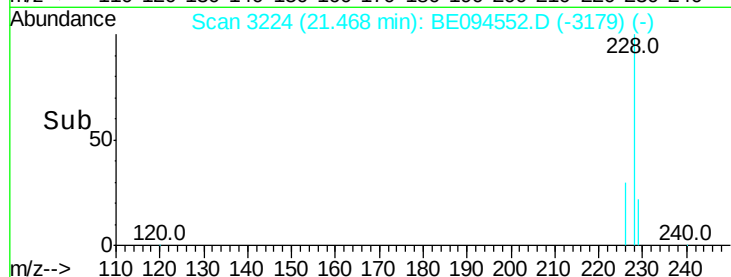
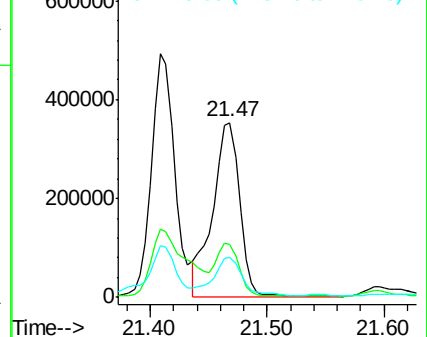
229 23.0 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 30.610 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. 0.02 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

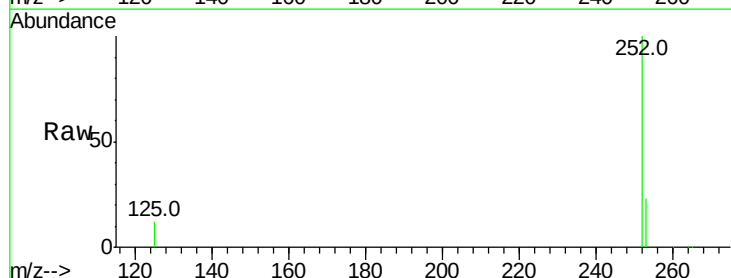
Tgt Ion:252 Resp: 1147689

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

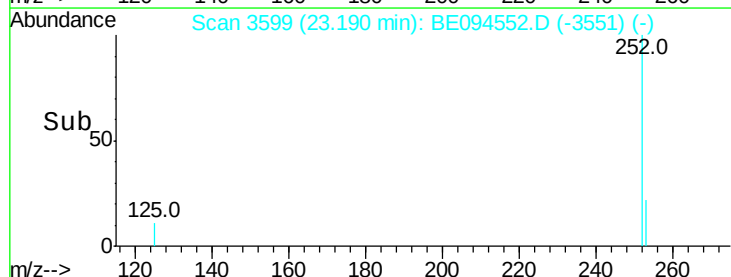
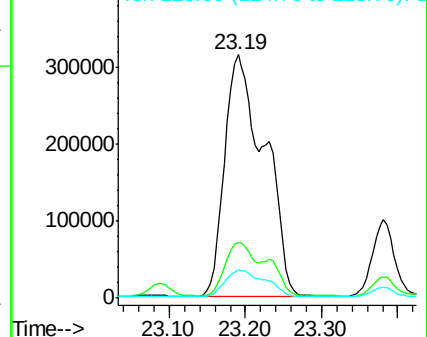
125 11.5 0.0 35.0

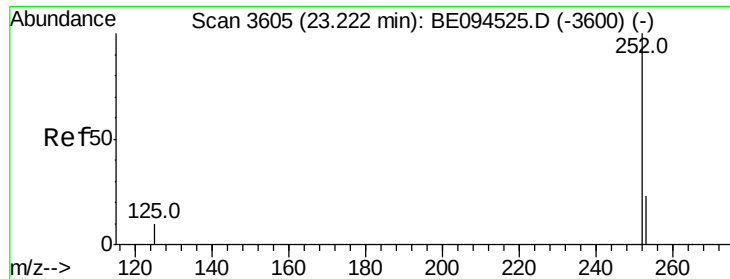


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 28.564 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. -0.03 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :

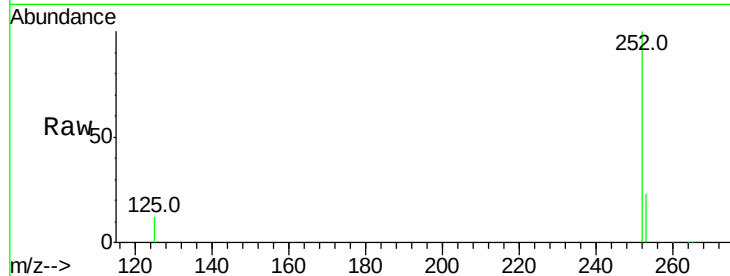
Tot Ion:252 Resp: 1147689

Ion Ratio Lower Upper

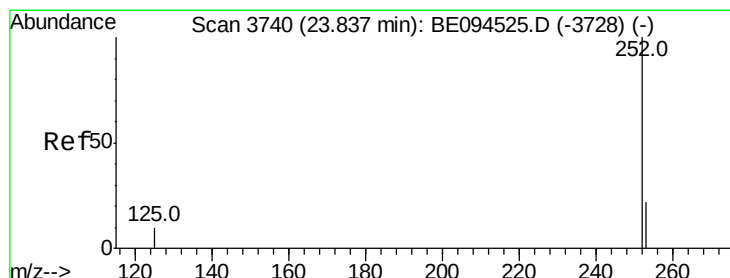
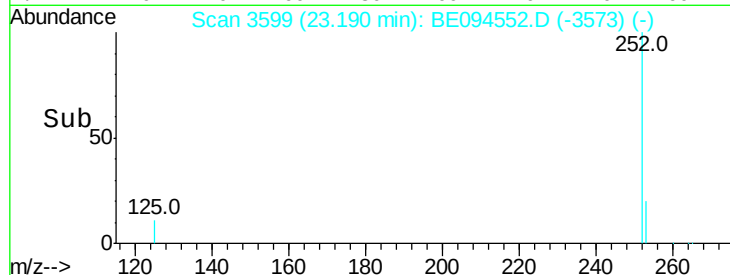
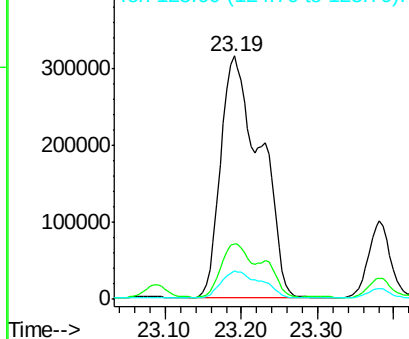
252 100

253 23.0 24.5 36.7#

125 11.5 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: 15.866 ng/ul

RT: 23.85 min Scan# 3744

Delta R.T. 0.01 min

Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

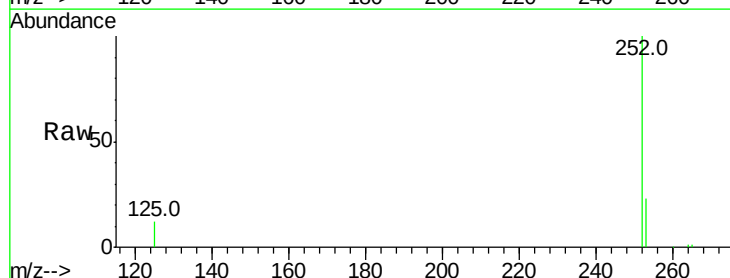
Tgt Ion:252 Resp: 594643

Ion Ratio Lower Upper

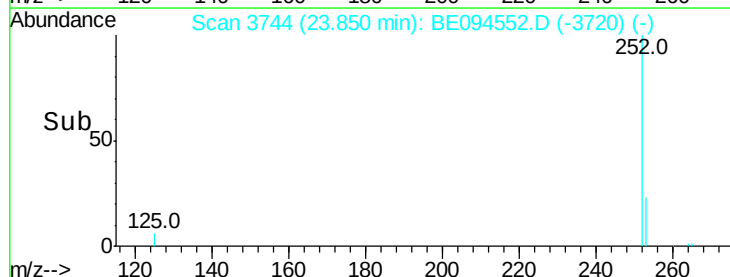
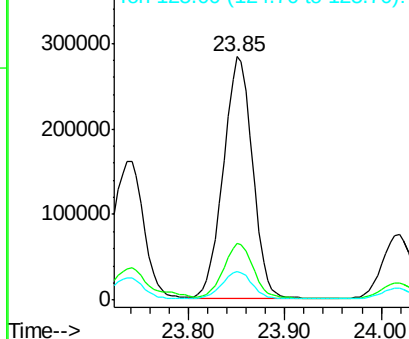
252 100

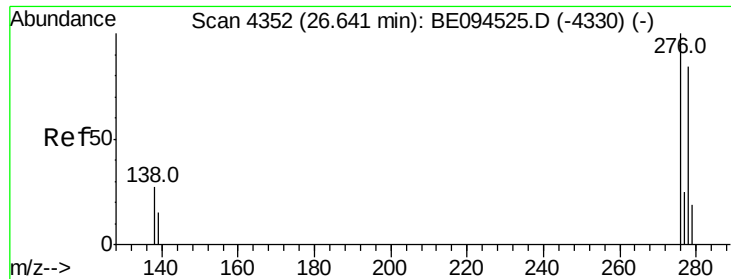
253 23.1 28.5 42.7#

125 11.8 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



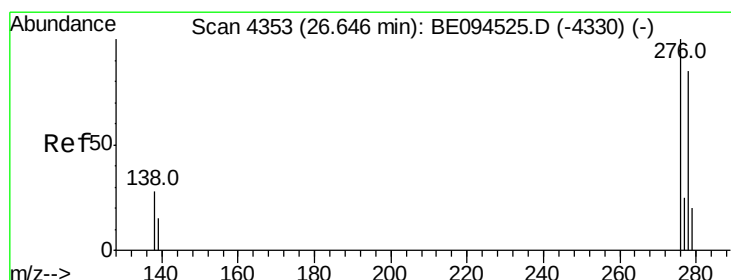
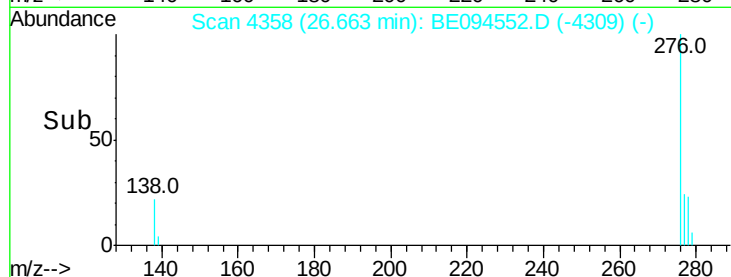
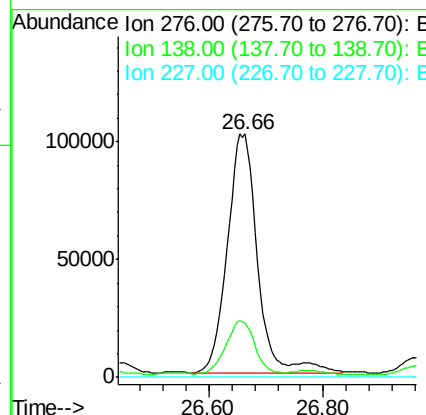
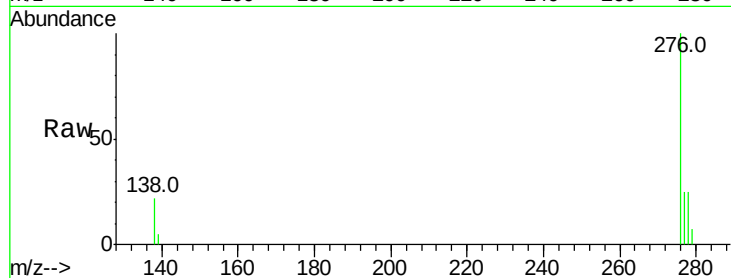


#24

Indeno(1,2,3-cd)pyrene
Concen: 9.638 ng/ul
RT: 26.66 min Scan# 4358
Delta R.T. 0.02 min
Lab File: BE094552.D
Acq: 26 Oct 2017 2:50

Instrument :
BNA_E
ClientSampleId :

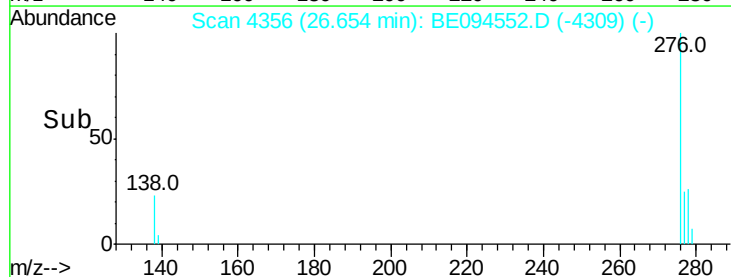
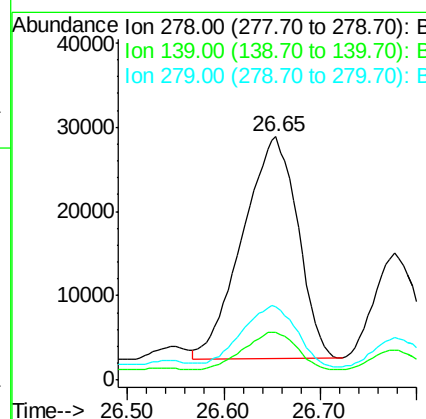
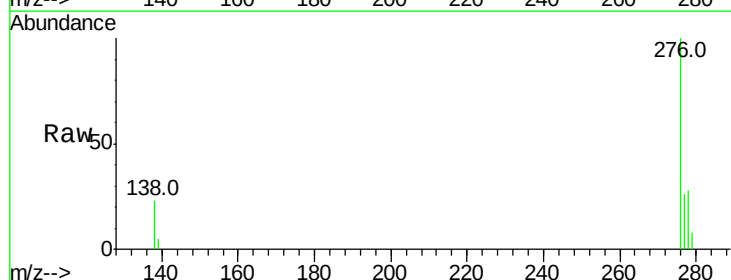
Tot Ion:276 Resp: 373778
Ion Ratio Lower Upper
276 100
138 21.4 28.0 42.0#
227 0.0 8.0 12.0#

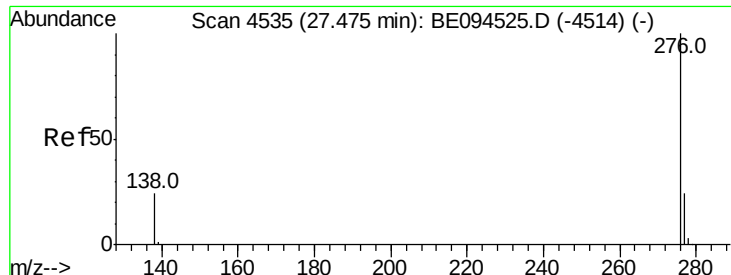


#25

Dibenzo(a,h)anthracene
Concen: 3.206 ng/ul
RT: 26.65 min Scan# 4356
Delta R.T. 0.01 min
Lab File: BE094552.D
Acq: 26 Oct 2017 2:50

Tgt Ion:278 Resp: 104767
Ion Ratio Lower Upper
278 100
139 19.5 17.4 26.0
279 30.3 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 7.695 ng/ul

RT: 27.50 min Scan# 4541

Delta R.T. 0.02 min

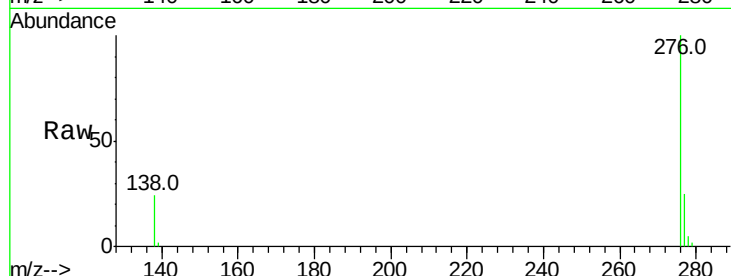
Lab File: BE094552.D

Acq: 26 Oct 2017 2:50

Instrument :

BNA_E

ClientSampleId :



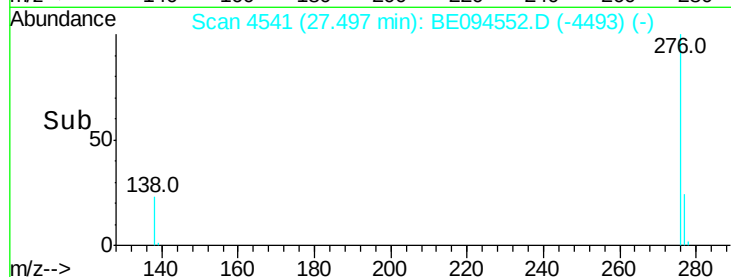
Tot Ion:276 Resp: 239624

Ion Ratio Lower Upper

276 100

138 23.7 21.8 32.8

277 25.4 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

