

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094548.D
 Acq On : 26 Oct 2017 00:24
 Operator : SJ/JU
 Sample : I5747-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 12:00:21 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

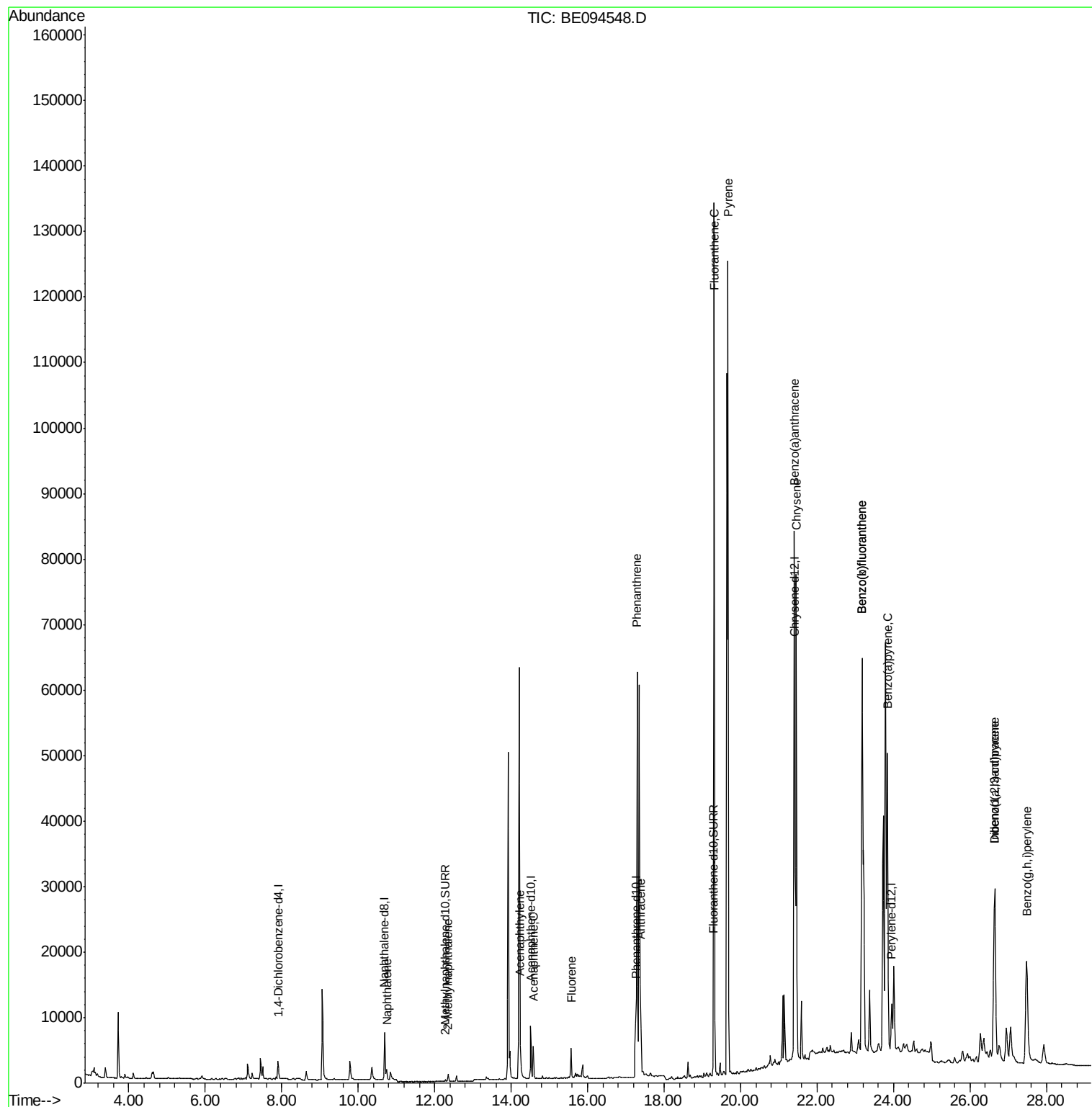
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1543	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8815	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5015	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11346	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	11125	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10576	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	514	0.04	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	1297	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	2418	0.112	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	1231	0.082	ng/ul	95
7) Acenaphthylene	14.24	152	3788	0.167	ng/ul	99
8) Acenaphthene	14.58	153	3220	0.198	ng/ul	98
9) Fluorene	15.57	166	3063	0.167	ng/ul	94
12) Phenanthrene	17.29	178	68550	2.287	ng/ul#	89
13) Anthracene	17.38	178	14744	0.499	ng/ul#	90
15) Fluoranthene	19.31	202	154053	4.446	ng/ul	84
17) Pyrene	19.67	202	138075	4.015	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	74580	2.345	ng/ul#	86
19) Chrysene	21.46	228	78114	2.376	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	146594	4.928	ng/ul	87
22) Benzo(k)fluoranthene	23.18	252	146594	4.598	ng/ul#	89
23) Benzo(a)pyrene	23.84	252	72547	2.440	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.65	276	53813	1.749	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	12673	0.489	ng/ul#	88
26) Benzo(a,h,i)perylene	27.48	276	44352	1.795	ng/ul	98

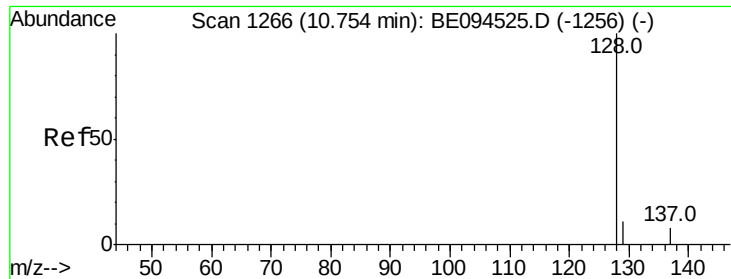
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.112 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

Instrument :

BNA_E

ClientSampleId :

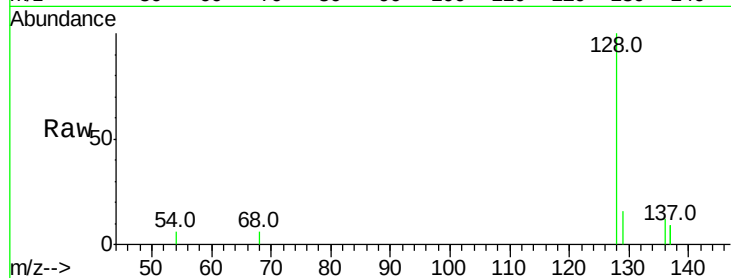
Tot Ion:128 Resp: 2418

Ion Ratio Lower Upper

128 100

129 15.6 11.3 16.9

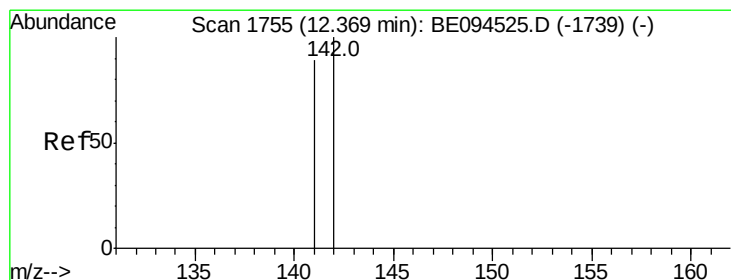
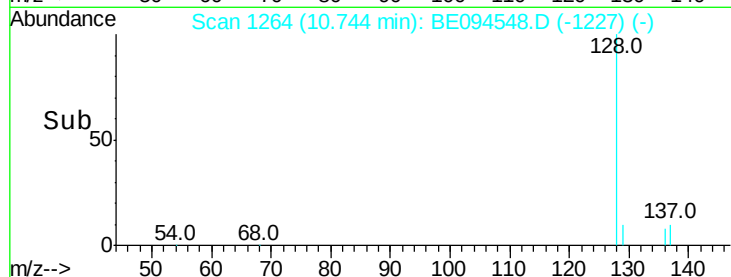
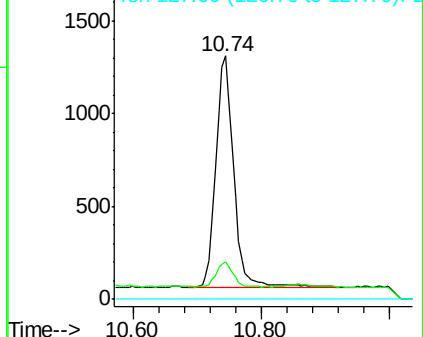
127 0.0 4.0 6.0#



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: 0.082 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094548.D

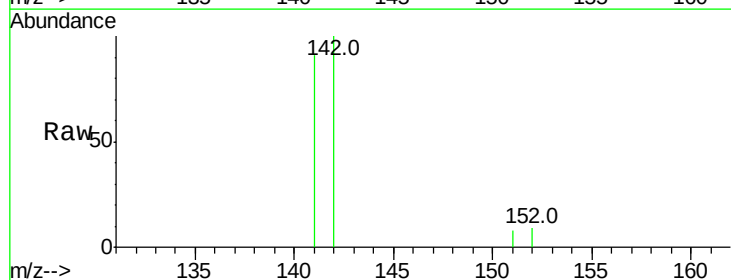
Acq: 26 Oct 2017 00:24

Tgt Ion:142 Resp: 1231

Ion Ratio Lower Upper

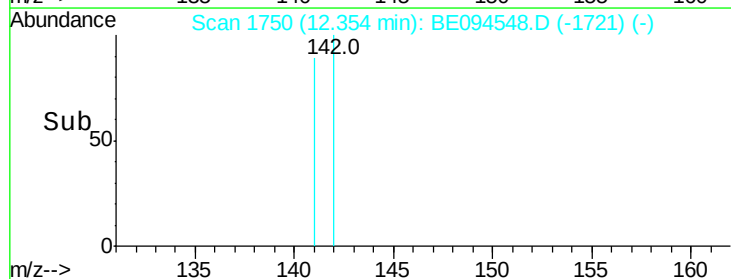
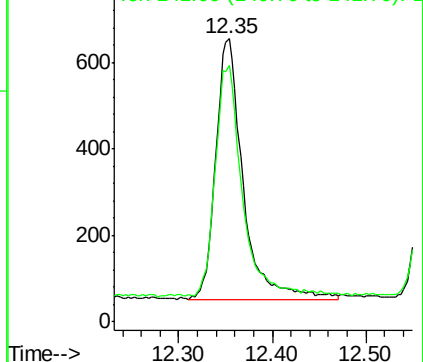
142 100

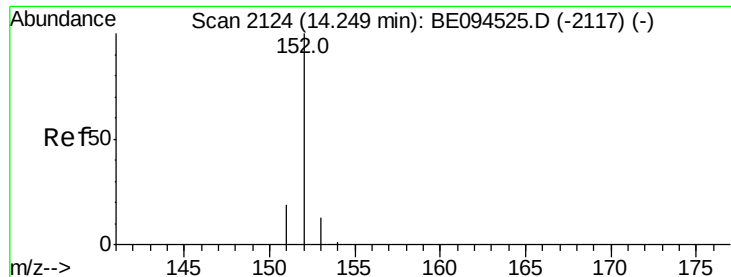
141 85.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.167 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

Instrument :

BNA_E

ClientSampleId :

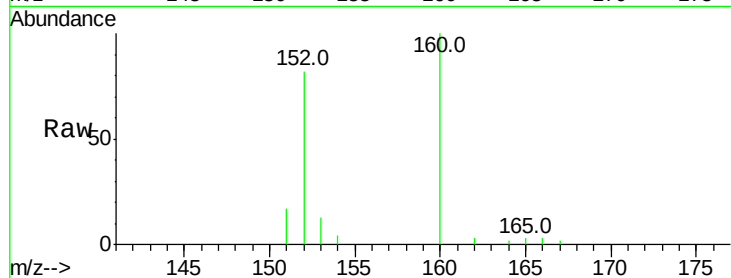
Tot Ion:152 Resp: 3788

Ion Ratio Lower Upper

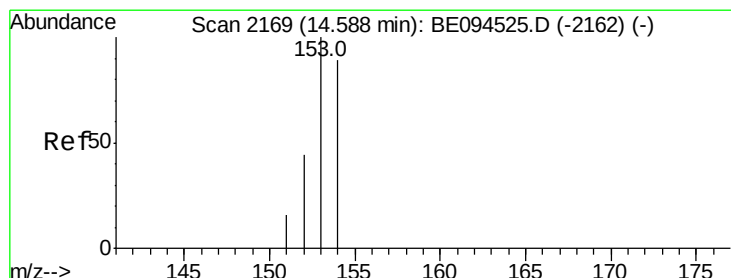
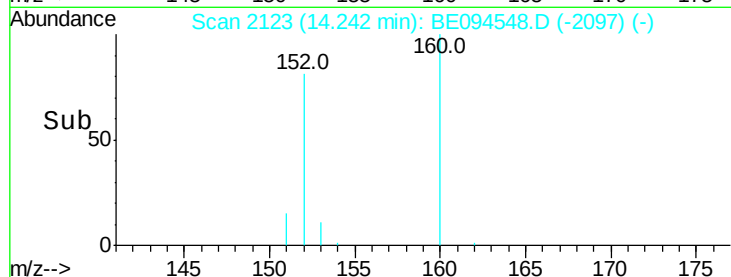
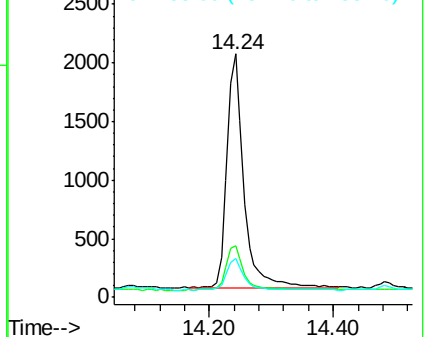
152 100

151 21.1 17.1 25.7

153 16.2 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: 0.198 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

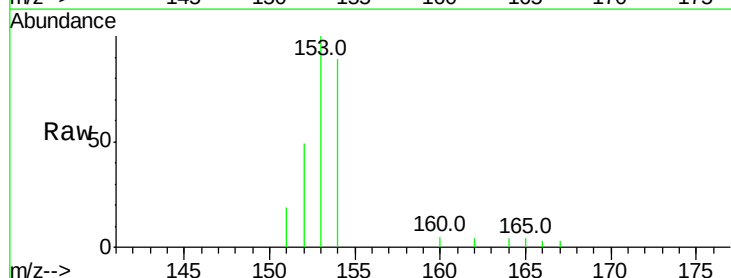
Tgt Ion:153 Resp: 3220

Ion Ratio Lower Upper

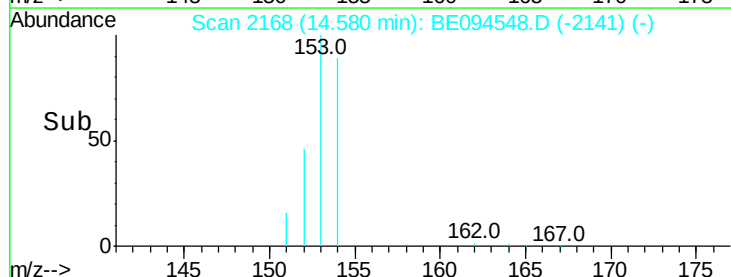
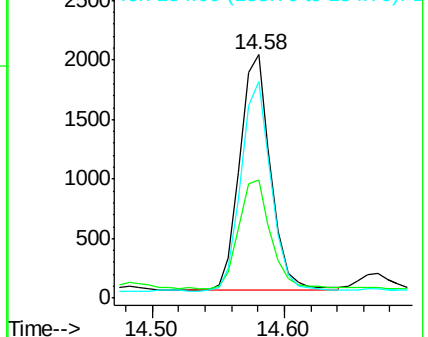
153 100

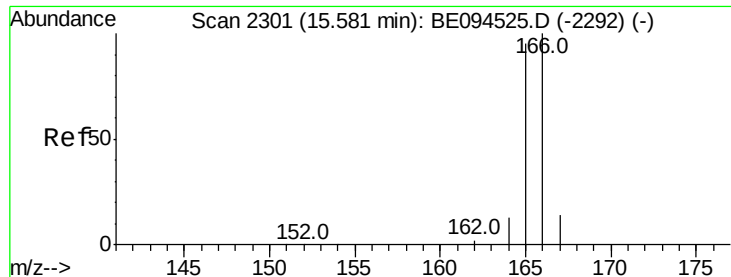
152 48.6 36.0 54.0

154 89.1 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

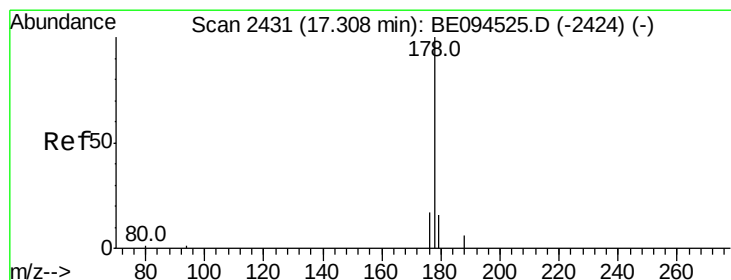
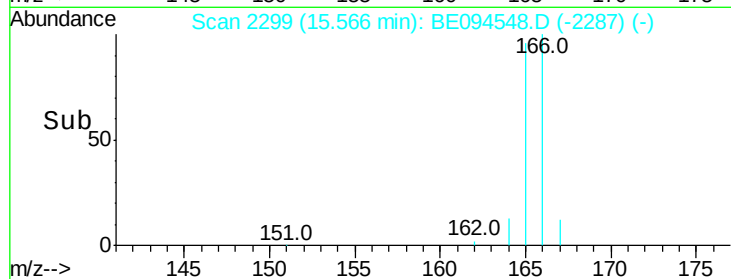
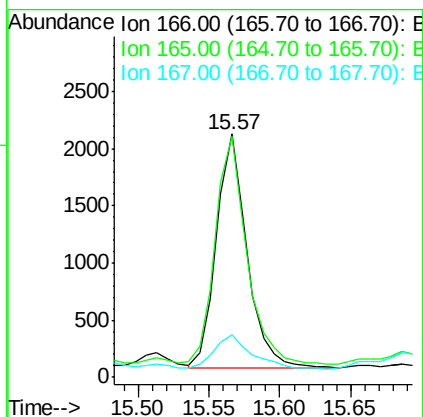
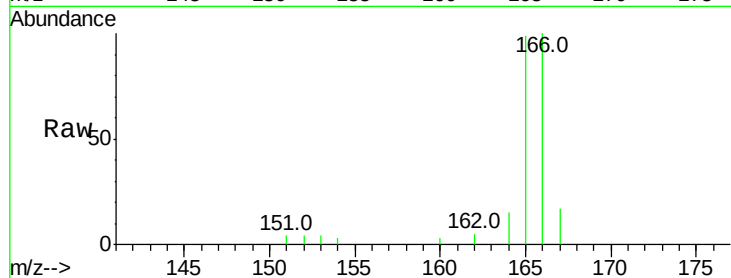




#9
Fluorene
 Concen: 0.167 ng/ul
 RT: 15.57 min Scan# 2299
 Delta R.T. -0.01 min
 Lab File: BE094548.D
 Acq: 26 Oct 2017 00:24

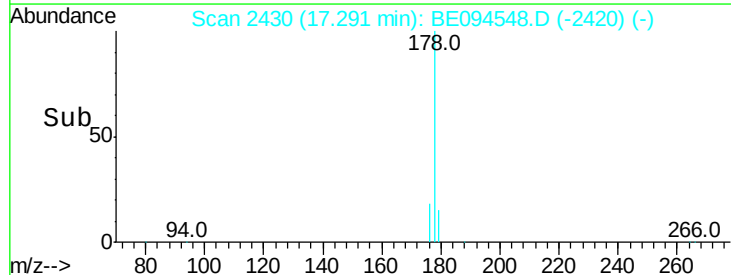
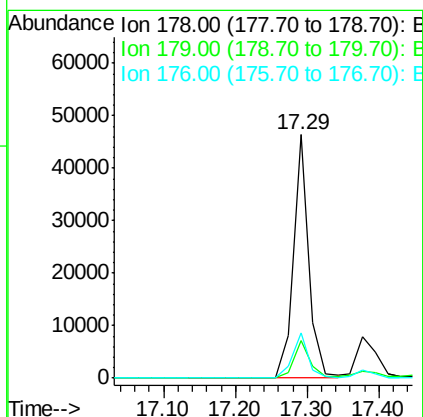
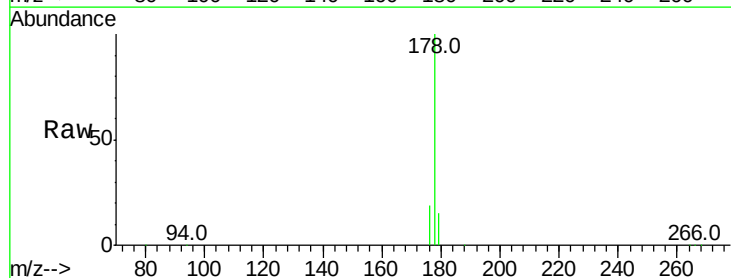
Instrument :
 BNA_E
 ClientSampleId :

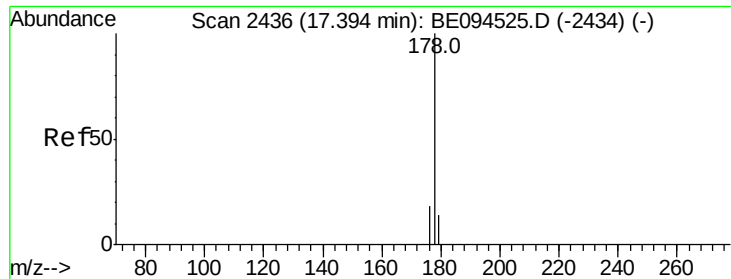
Tot Ion:166 Resp: 3063
 Ion Ratio Lower Upper
 166 100
 165 98.8 73.4 110.2
 167 17.4 14.6 22.0



#12
Phenanthrene
 Concen: 2.287 ng/ul
 RT: 17.29 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BE094548.D
 Acq: 26 Oct 2017 00:24

Tgt Ion:178 Resp: 68550
 Ion Ratio Lower Upper
 178 100
 179 15.2 18.4 27.6#
 176 18.6 13.6 20.4





#13

Anthracene

Concen: 0.499 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

Instrument :

BNA_E

ClientSampleId :

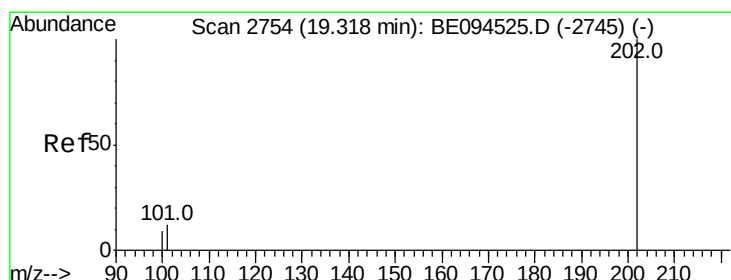
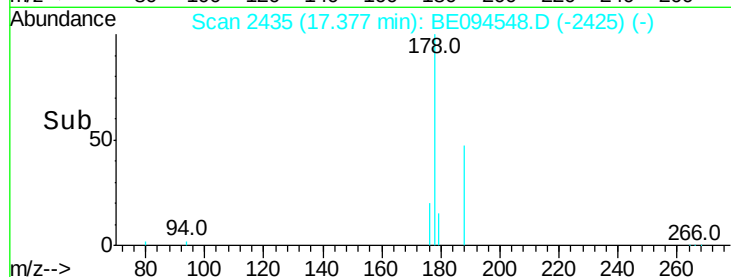
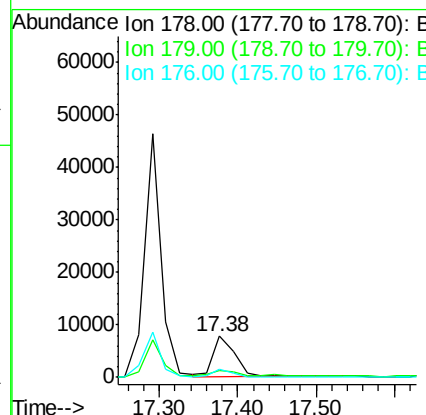
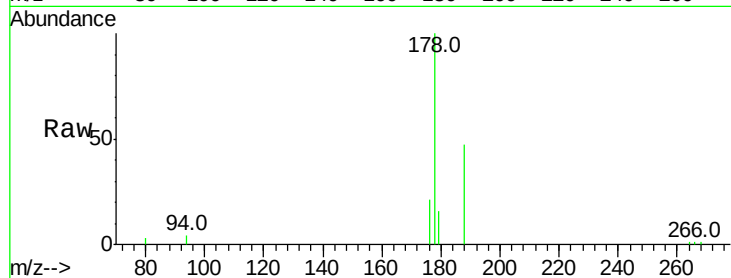
Tot Ion:178 Resp: 14744

Ion Ratio Lower Upper

178 100

179 16.4 18.1 27.1#

176 20.8 14.7 22.1



#15

Fluoranthene

Concen: 4.446 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

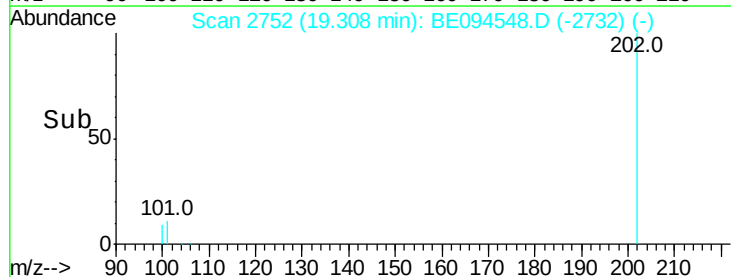
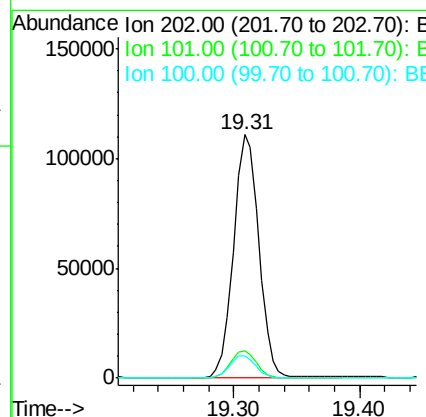
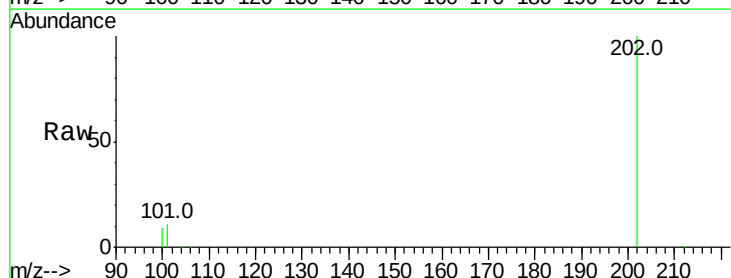
Tgt Ion:202 Resp: 154053

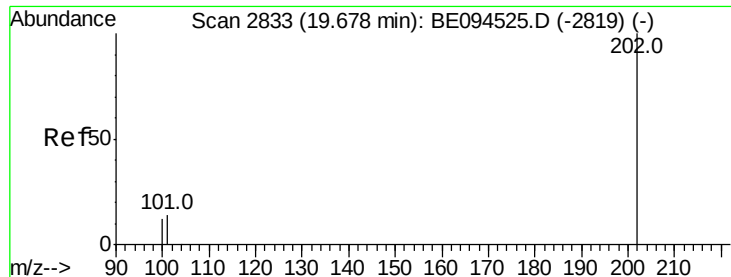
Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

100 9.3 0.0 39.5





#17

Pvrene

Concen: 4.015 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

Instrument :

BNA_E

ClientSampleId :

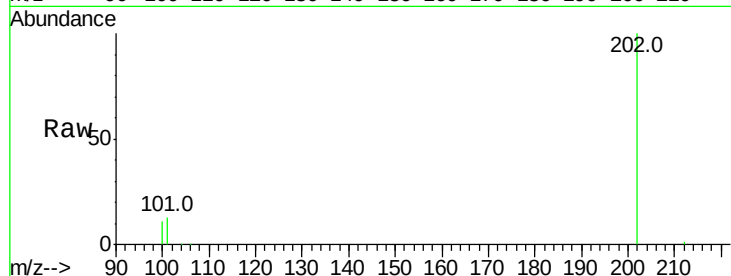
Tot Ion:202 Resp: 138075

Ion Ratio Lower Upper

202 100

101 12.8 18.2 27.4#

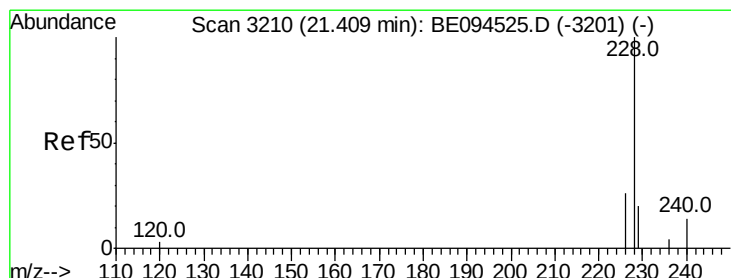
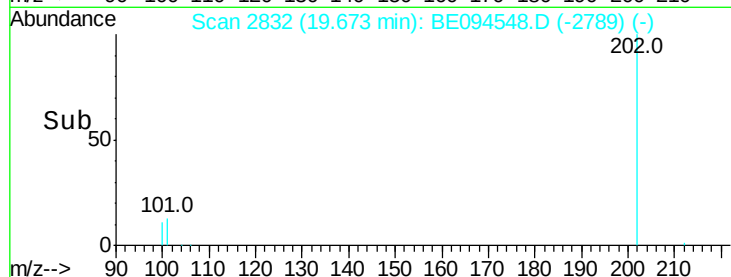
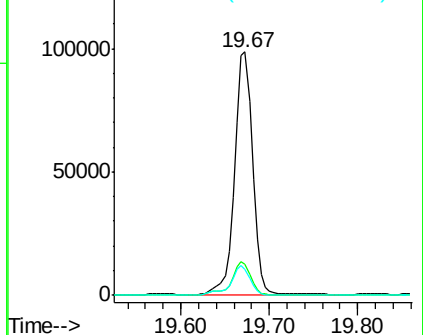
100 10.6 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 2.345 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

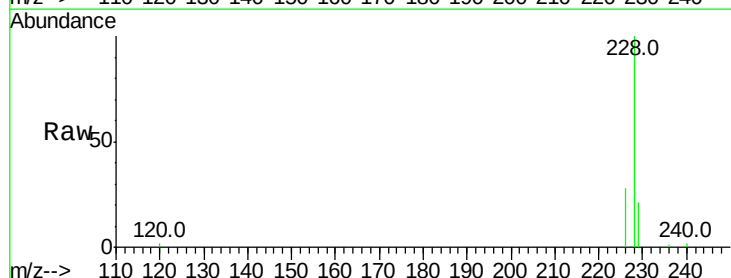
Tgt Ion:228 Resp: 74580

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

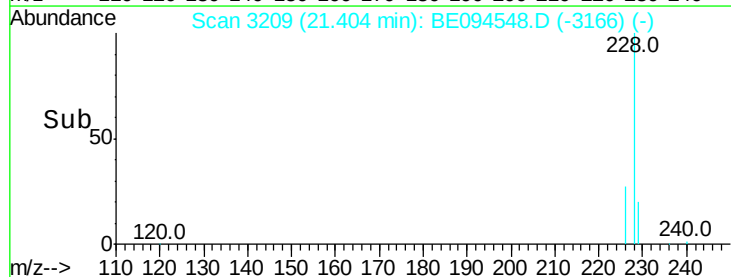
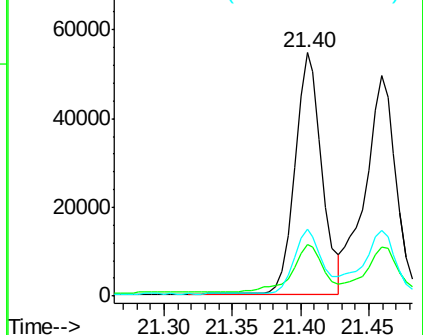
226 27.6 17.0 25.6#

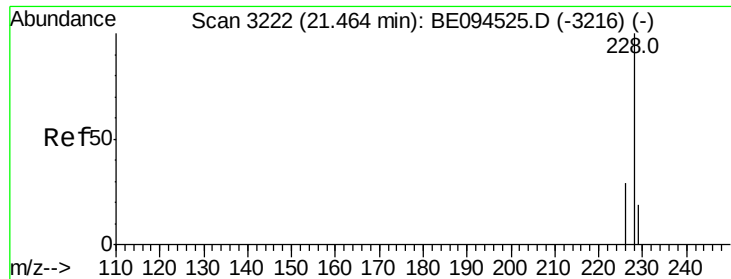


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





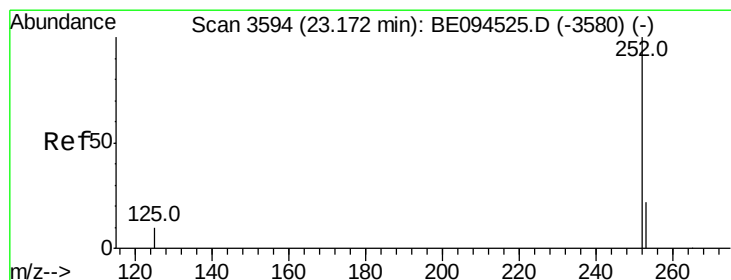
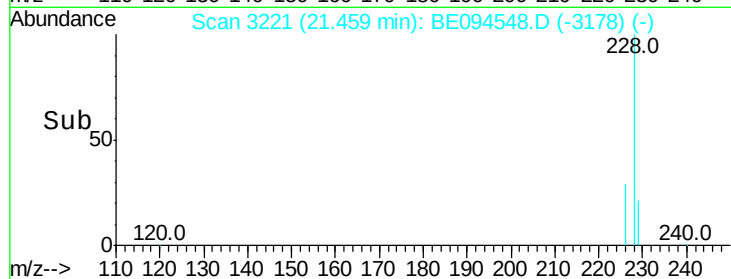
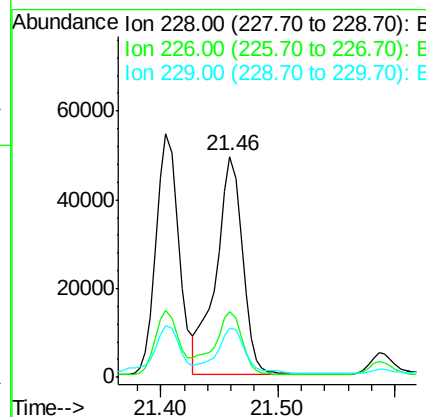
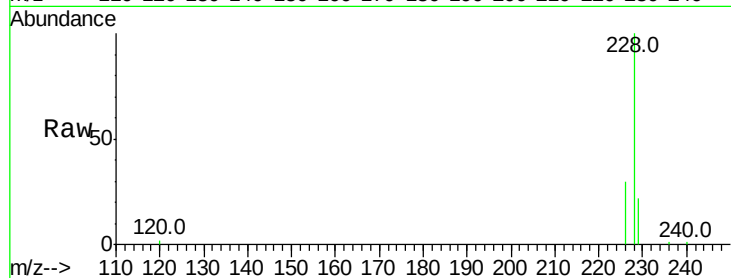
#19

Chrysene

Concen: 2.376 ng/ul
 RT: 21.46 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: BE094548.D
 Acq: 26 Oct 2017 00:24

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 78114
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.4 35.0
 229 22.4 17.7 26.5

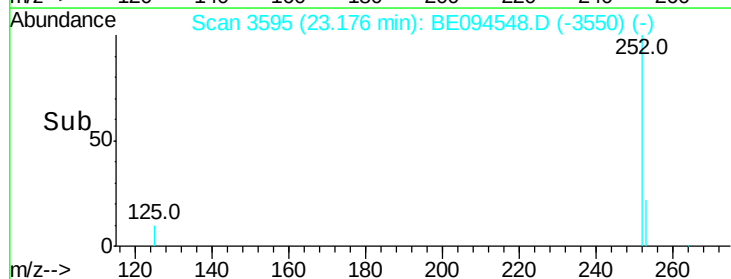
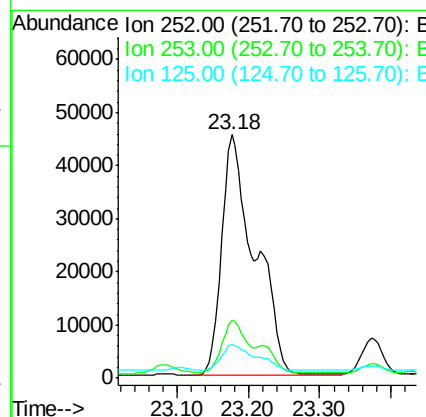
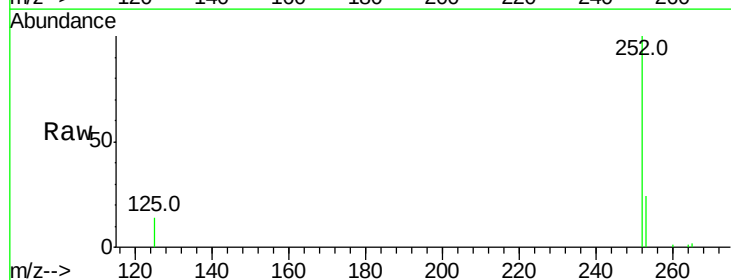


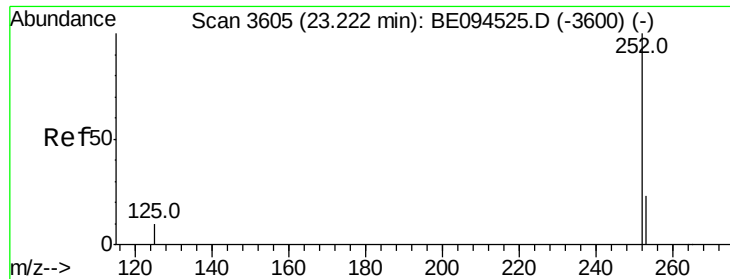
#21

Benzo(b)fluoranthene

Concen: 4.928 ng/ul
 RT: 23.18 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: BE094548.D
 Acq: 26 Oct 2017 00:24

Tgt Ion:252 Resp: 146594
 Ion Ratio Lower Upper
 252 100
 253 23.9 0.0 64.2
 125 13.8 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 4.598 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.05 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

Instrument :

BNA_E

ClientSampleId :

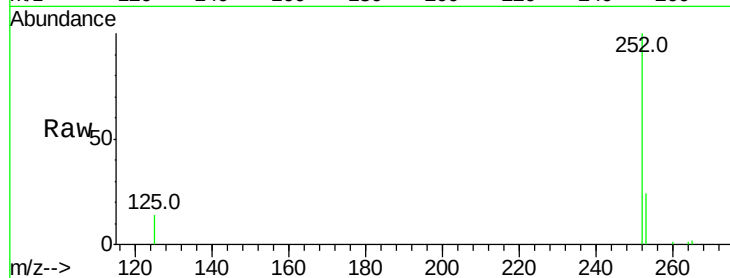
Tot Ion:252 Resp: 146594

Ion Ratio Lower Upper

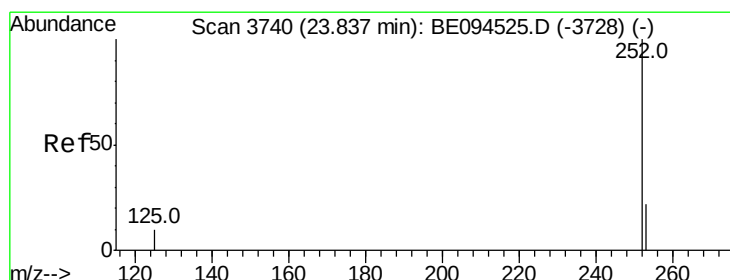
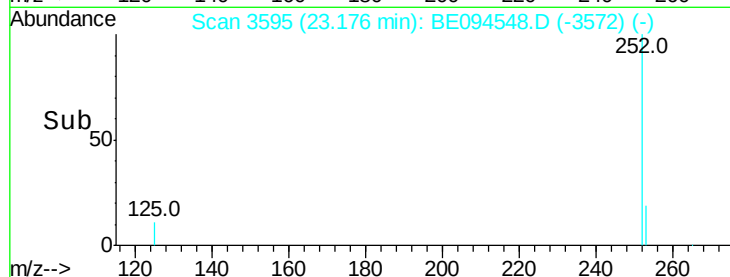
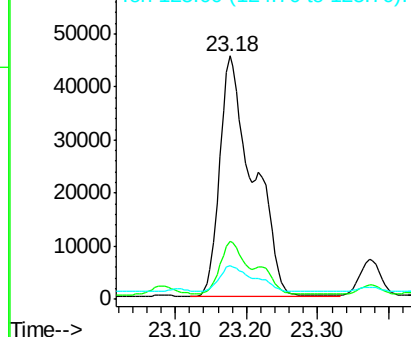
252 100

253 23.9 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: 2.440 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.00 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

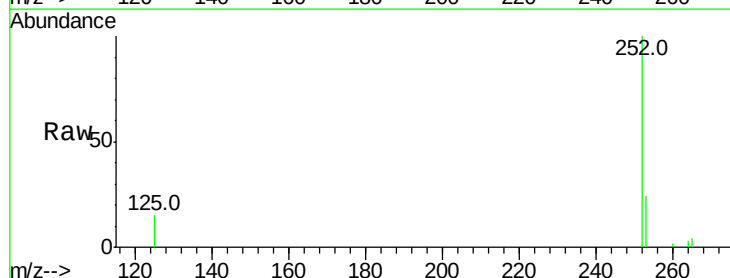
Tgt Ion:252 Resp: 72547

Ion Ratio Lower Upper

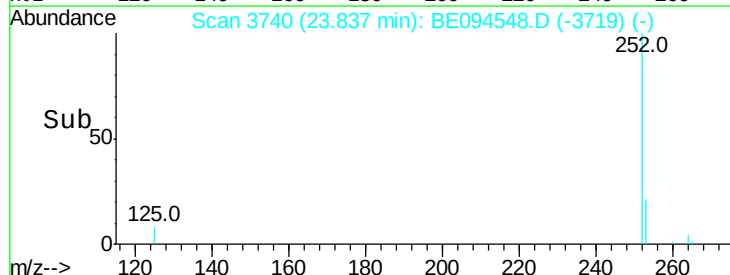
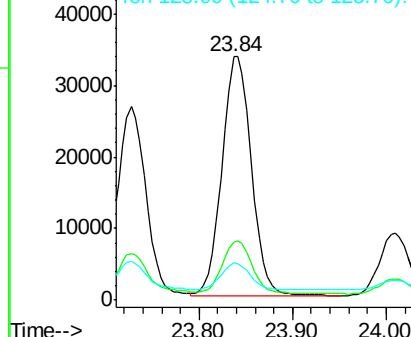
252 100

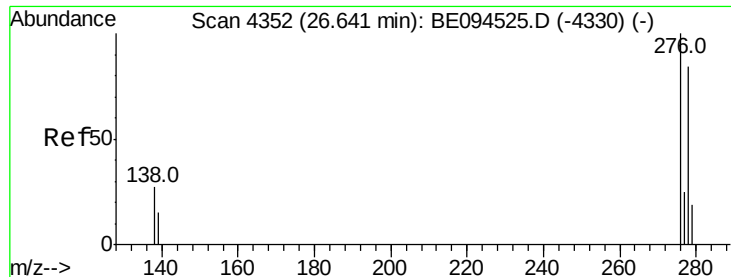
253 24.0 28.5 42.7#

125 15.4 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: 1.749 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. 0.00 min

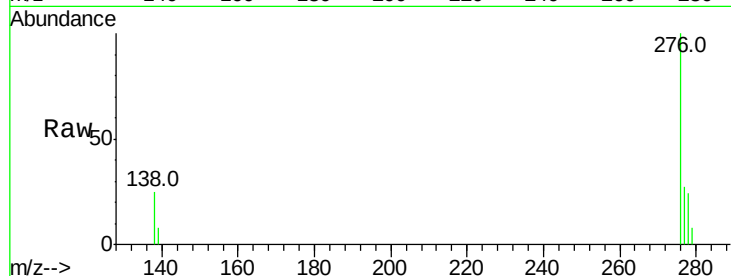
Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

Instrument :

BNA_E

ClientSampleId :



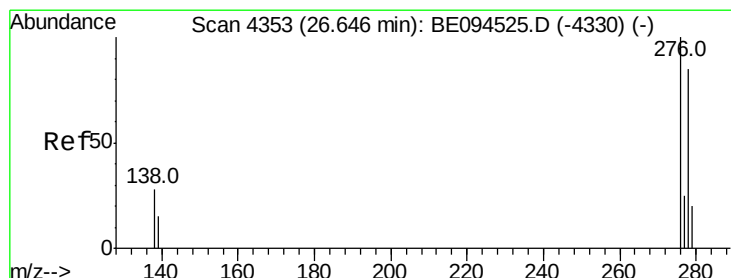
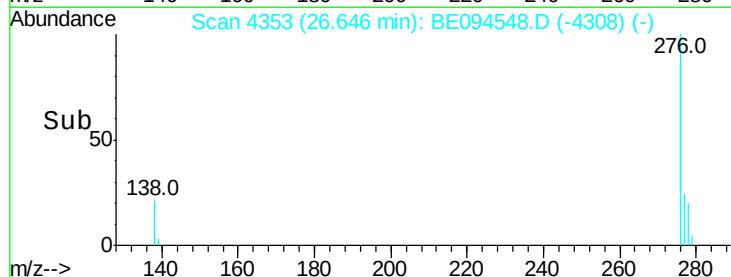
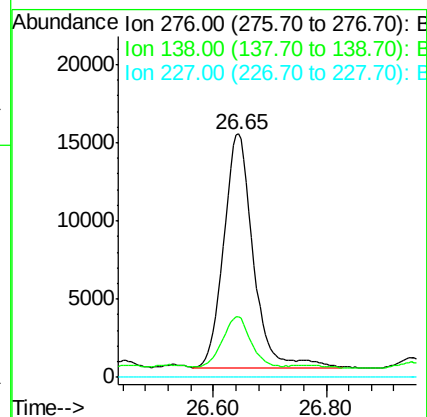
Tot Ion:276 Resp: 53813

Ion Ratio Lower Upper

276 100

138 20.7 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.489 ng/ul

RT: 26.64 min Scan# 4351

Delta R.T. -0.01 min

Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

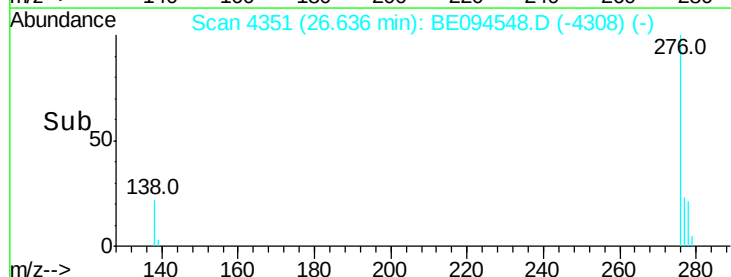
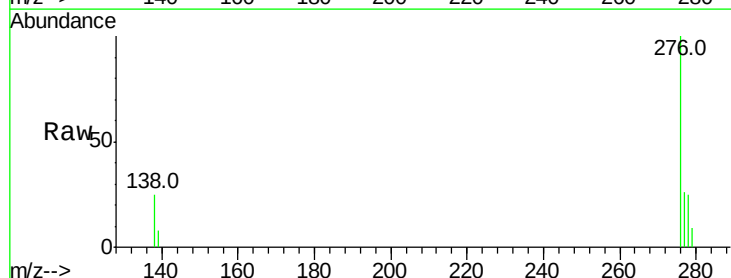
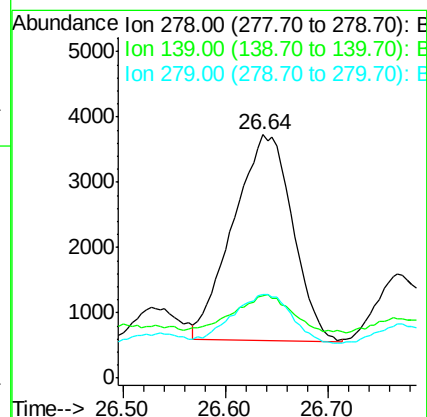
Tgt Ion:278 Resp: 12673

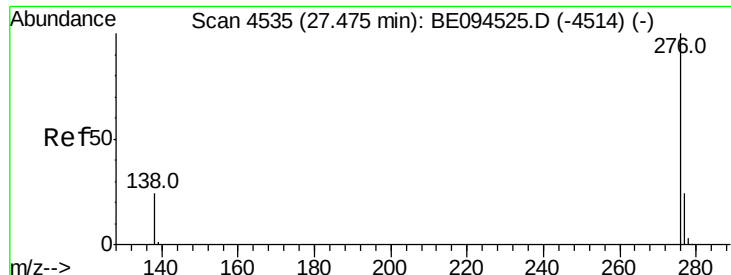
Ion Ratio Lower Upper

278 100

139 33.7 17.4 26.0#

279 34.5 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.795 ng/ul

RT: 27.48 min Scan# 4536

Delta R.T. -0.00 min

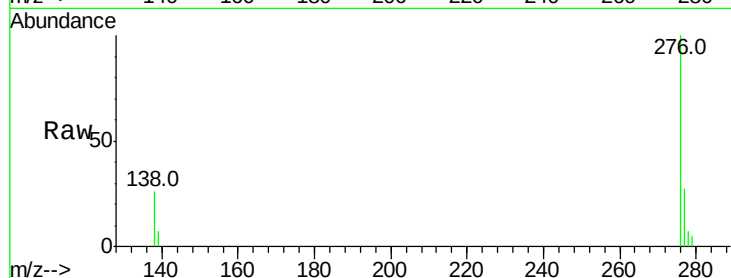
Lab File: BE094548.D

Acq: 26 Oct 2017 00:24

Instrument :

BNA_E

ClientSampleId :



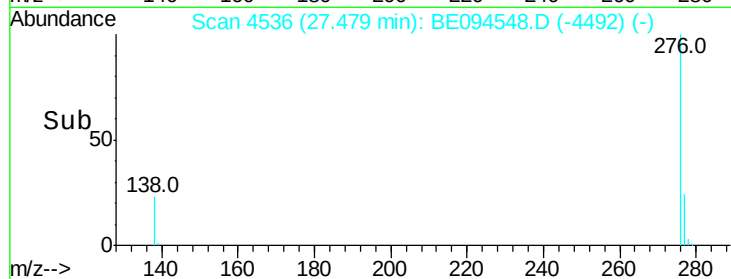
Tot Ion:276 Resp: 44352

Ion Ratio Lower Upper

276 100

138 26.5 21.8 32.8

277 27.2 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

