

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094540.D
 Acq On : 25 Oct 2017 19:29
 Operator : SJ/JU
 Sample : I5693-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 11:58:44 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

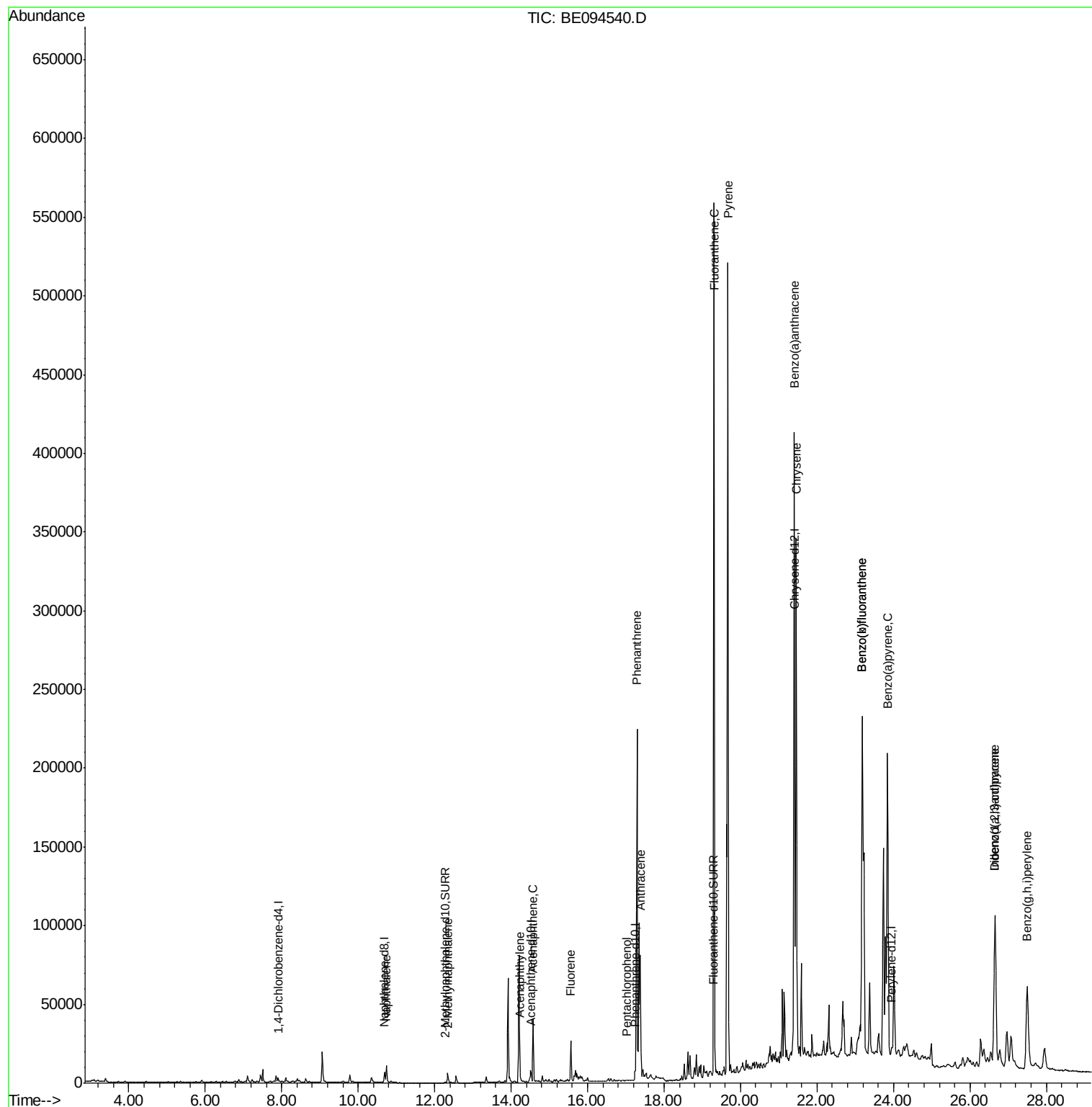
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1385	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7641	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4376	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	9197	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	8898	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9338	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	716	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1825	0.07	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	17481	0.936	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	5904	0.452	ng/ul	98
7) Acenaphthylene	14.24	152	3066	0.155	ng/ul#	88
8) Acenaphthene	14.57	153	24190	1.701	ng/ul	98
9) Fluorene	15.56	166	16930	1.060	ng/ul	92
11) Pentachlorophenol	17.03	266	10	0.022	ng/ul#	20
12) Phenanthrene	17.29	178	274594	11.304	ng/ul#	93
13) Anthracene	17.38	178	88732	3.701	ng/ul#	92
15) Fluoranthene	19.31	202	630605	22.454	ng/ul	84
17) Pyrene	19.67	202	589017	21.413	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	373608	14.688	ng/ul#	88
19) Chrysene	21.46	228	346694	13.186	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	567643	21.610	ng/ul	89
22) Benzo(k)fluoranthene	23.19	252	567643	20.166	ng/ul	91
23) Benzo(a)pyrene	23.85	252	318101	12.115	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.66	276	188908	6.953	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.66	278	49307	2.154	ng/ul#	86
26) Benzo(a,h,i)perylene	27.49	276	148348	6.800	ng/ul	97

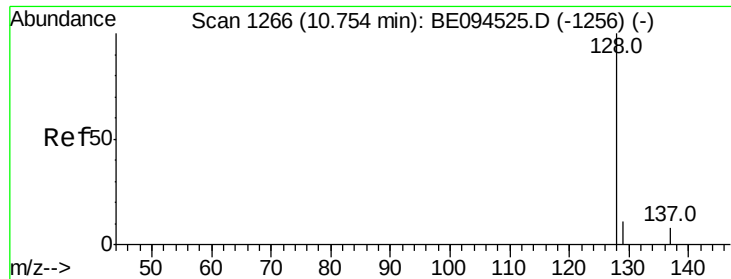
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampled :

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#3

Naphthalene

Concen: 0.936 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

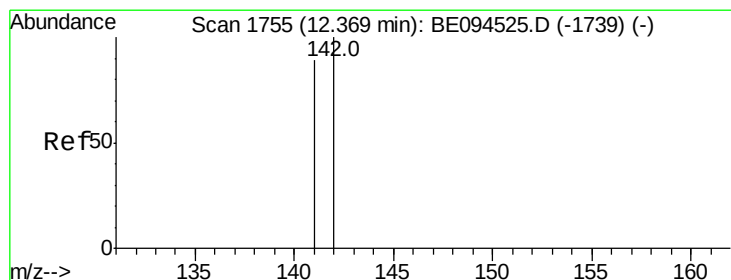
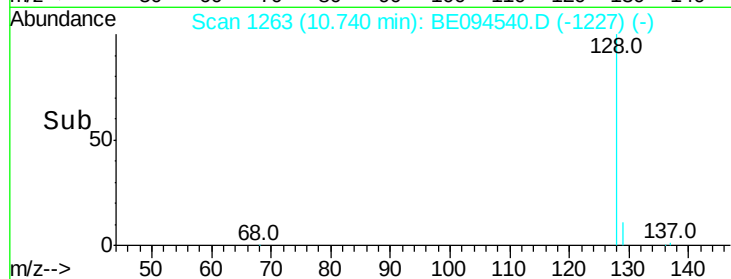
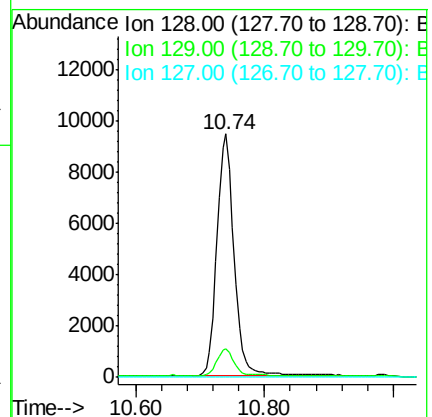
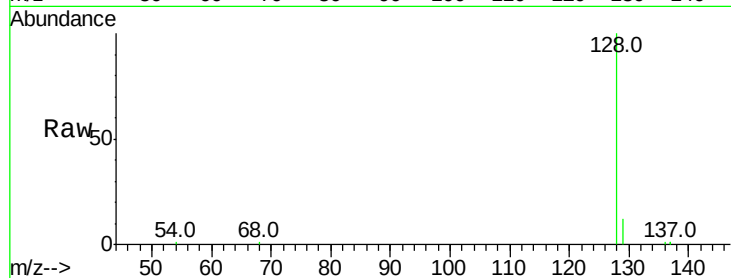
Tot Ion:128 Resp: 17481

Ion Ratio Lower Upper

128 100

129 11.8 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.452 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094540.D

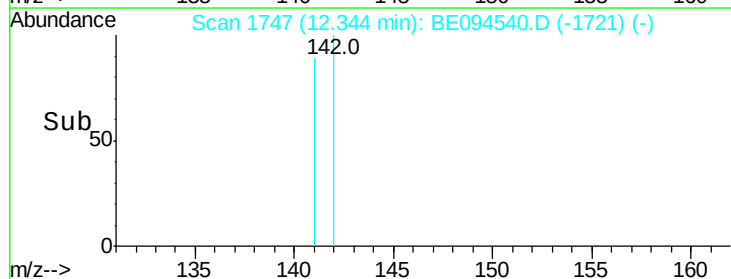
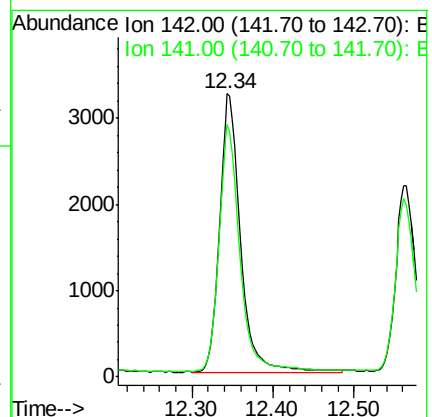
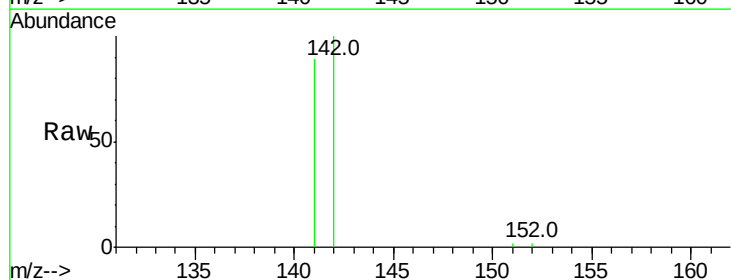
Acq: 25 Oct 2017 19:29

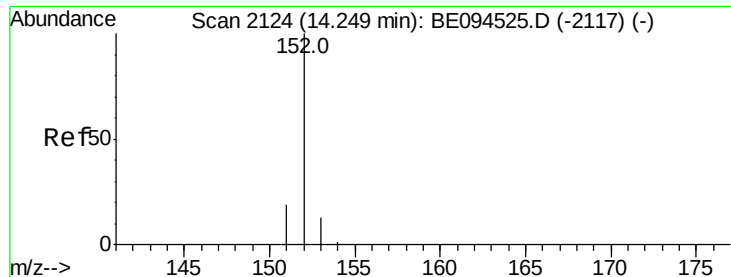
Tgt Ion:142 Resp: 5904

Ion Ratio Lower Upper

142 100

141 89.0 72.6 108.8





#7

Acenaphthylene

Concen: 0.155 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

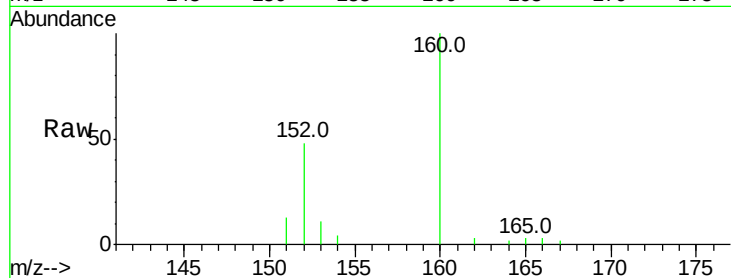
Tot Ion:152 Resp: 3066

Ion Ratio Lower Upper

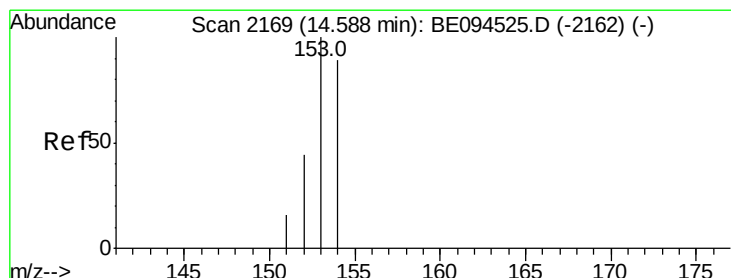
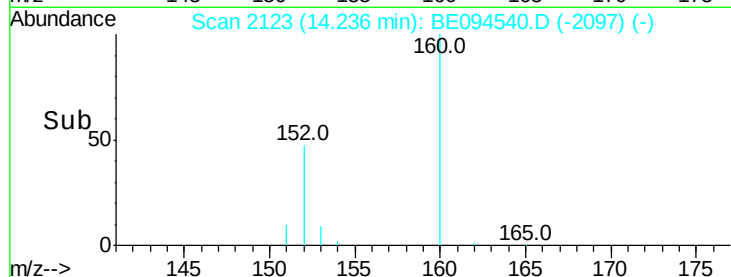
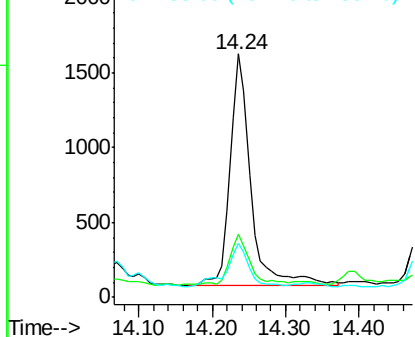
152 100

151 25.9 17.1 25.7#

153 22.3 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: 1.701 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

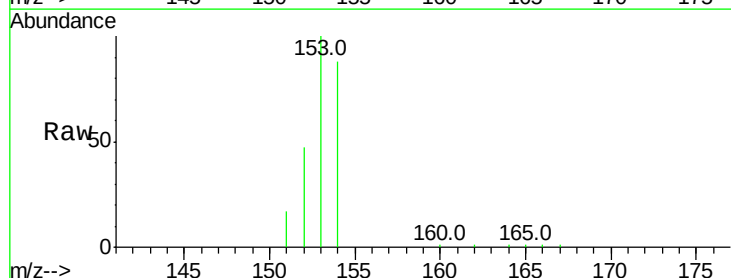
Tgt Ion:153 Resp: 24190

Ion Ratio Lower Upper

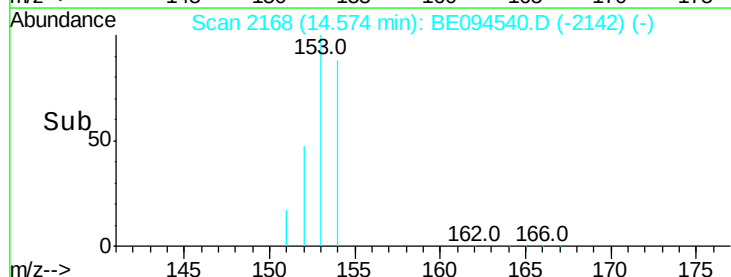
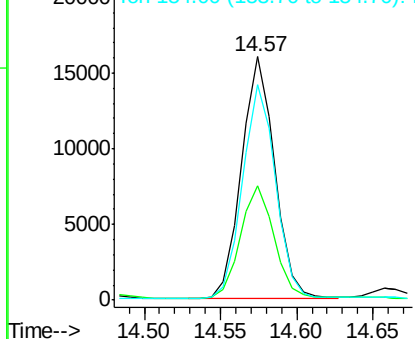
153 100

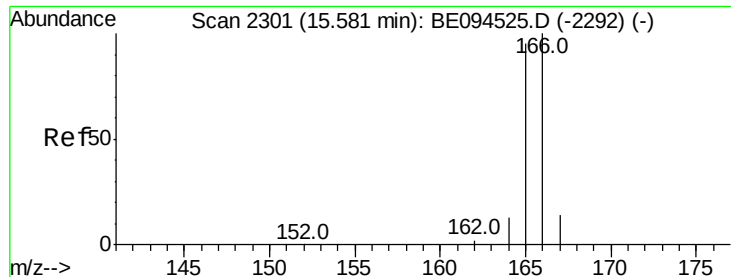
152 46.9 36.0 54.0

154 88.4 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

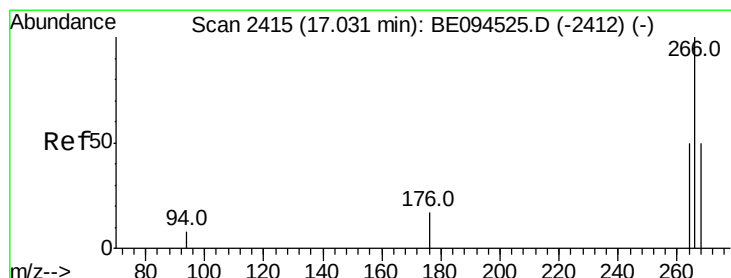
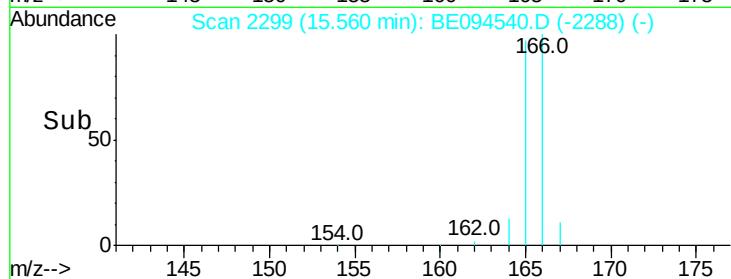
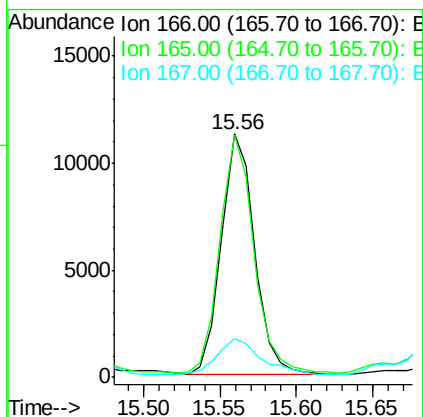
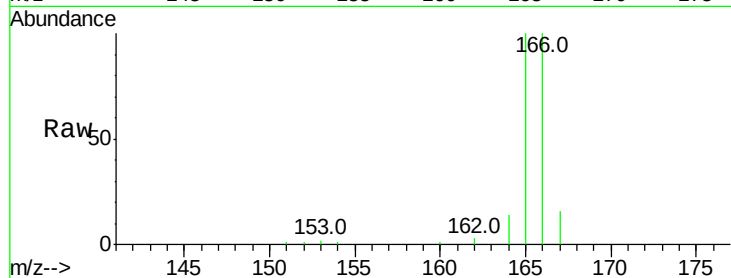




#9
Fluorene
 Concen: 1.060 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094540.D
 Acq: 25 Oct 2017 19:29

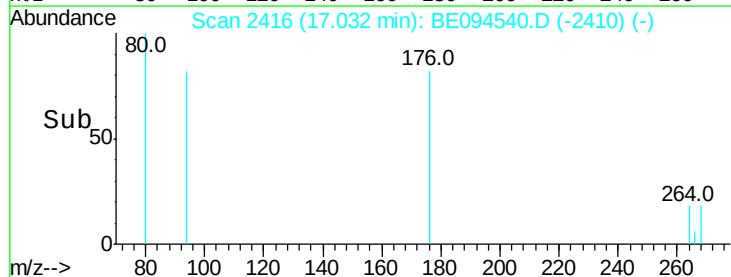
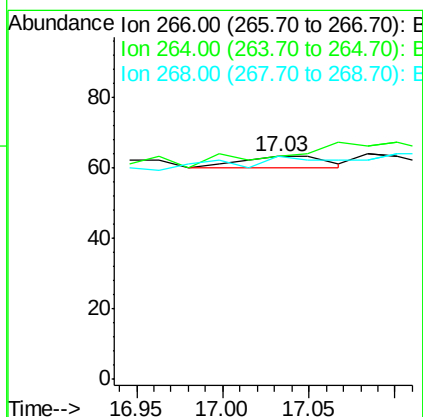
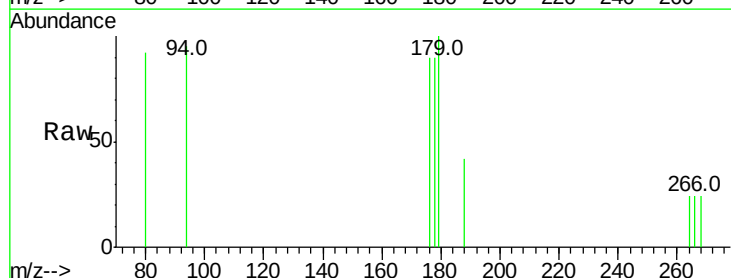
Instrument :
 BNA_E
 ClientSampleId :

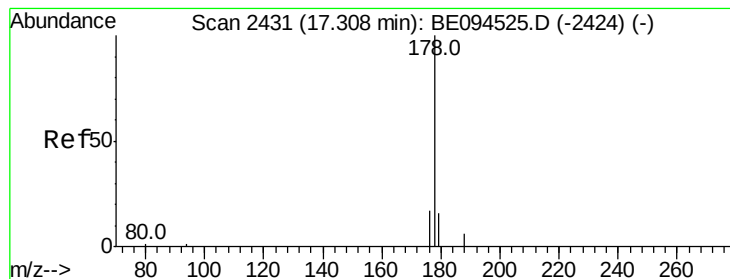
Tot Ion:166 Resp: 16930
 Ion Ratio Lower Upper
 166 100
 165 99.6 73.4 110.2
 167 15.8 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.022 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BE094540.D
 Acq: 25 Oct 2017 19:29

Tgt Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 11.304 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

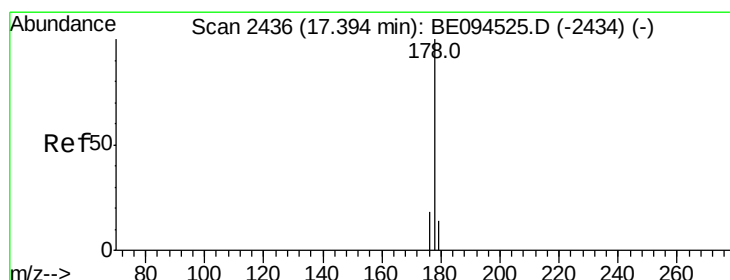
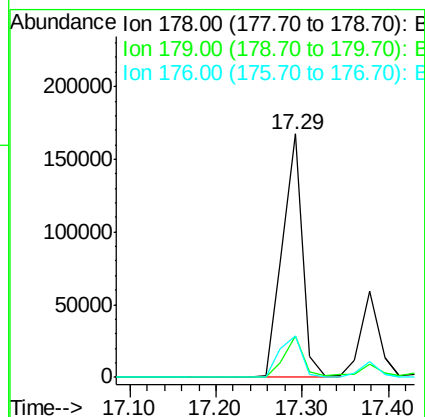
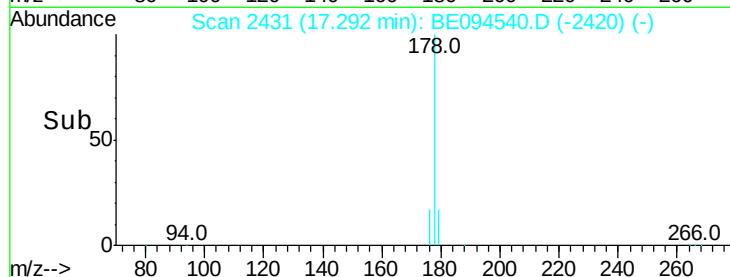
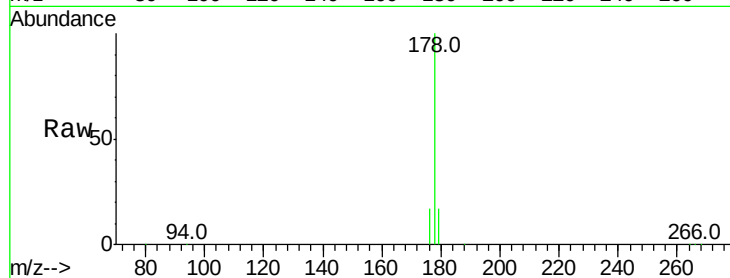
Tot Ion:178 Resp: 274594

Ion Ratio Lower Upper

178 100

179 16.9 18.4 27.6#

176 16.8 13.6 20.4



#13

Anthracene

Concen: 3.701 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

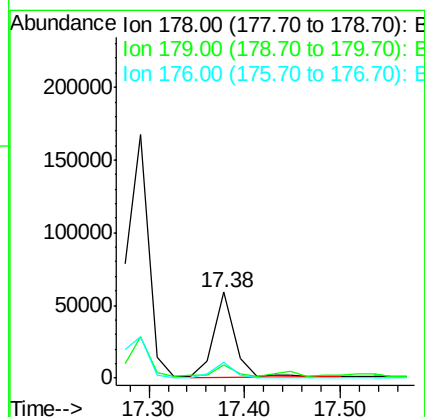
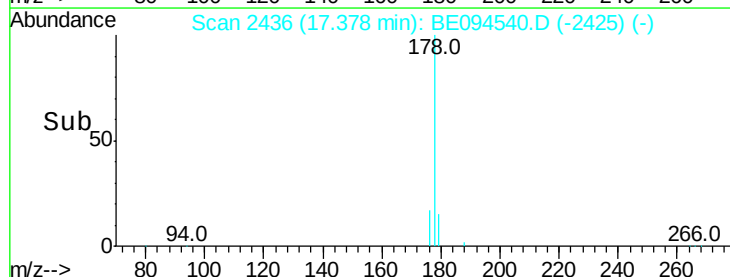
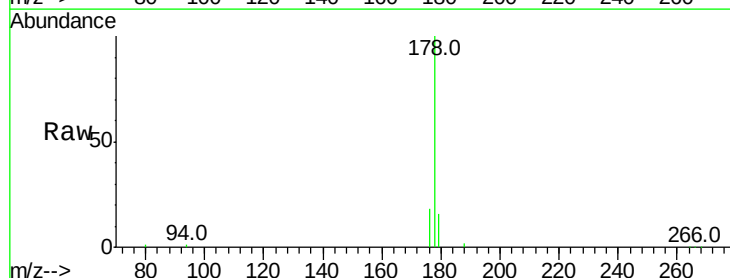
Tgt Ion:178 Resp: 88732

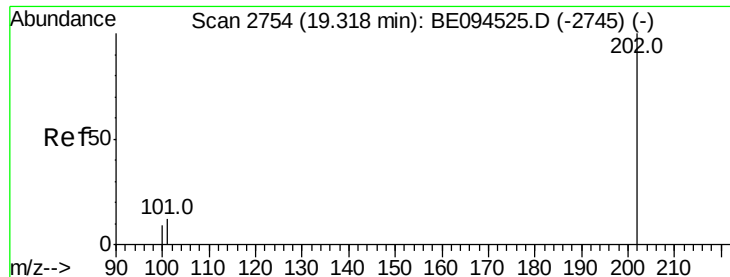
Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

176 18.0 14.7 22.1





#15

Fluoranthene

Concen: 22.454 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094540.D

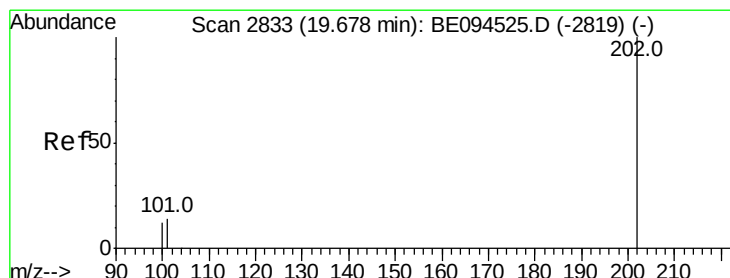
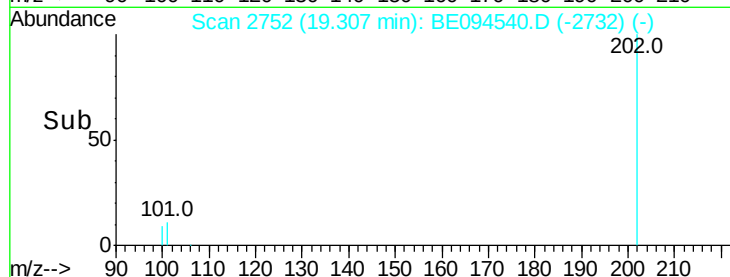
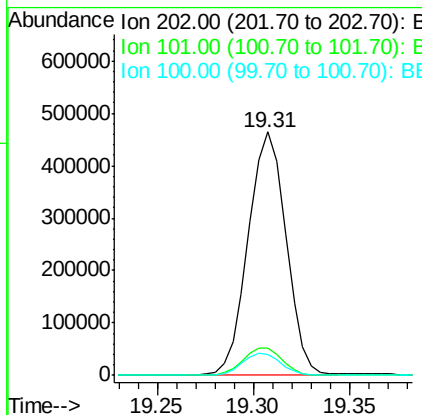
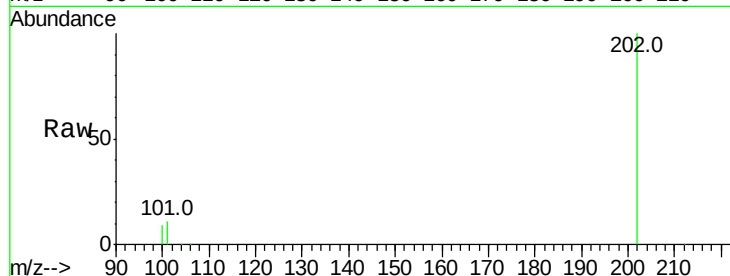
Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	630605
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	30.3
100	8.8	0.0	39.5



#17

Pyrene

Concen: 21.413 ng/ul

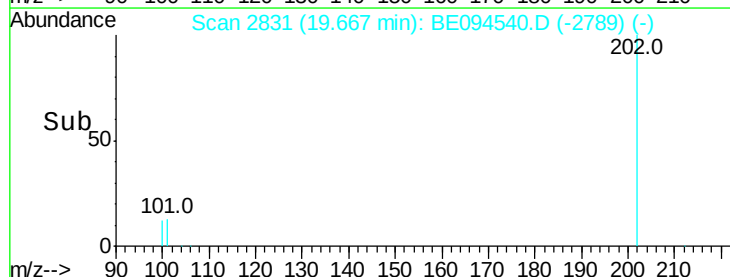
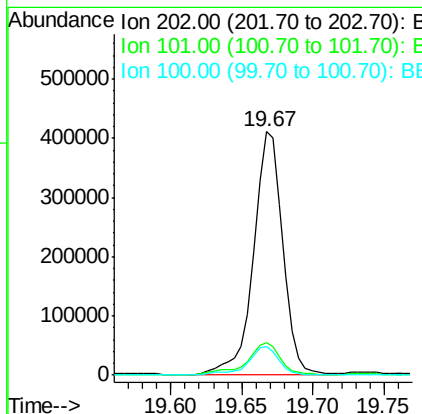
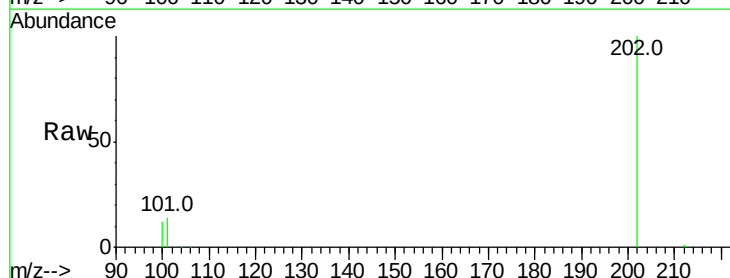
RT: 19.67 min Scan# 2831

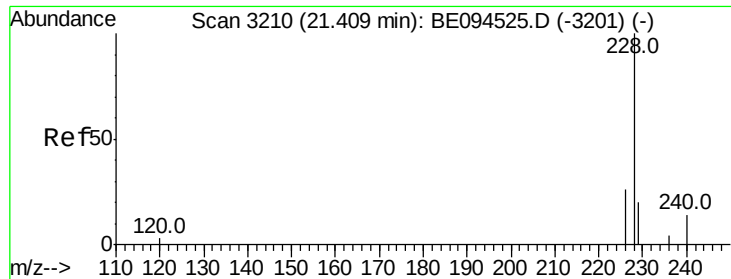
Delta R.T. -0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Tgt Ion:	202	Resp:	589017
Ion Ratio	Lower	Upper	
202	100		
101	13.6	18.2	27.4#
100	11.8	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 14.688 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

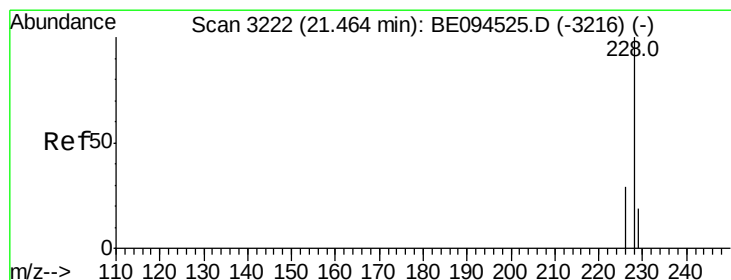
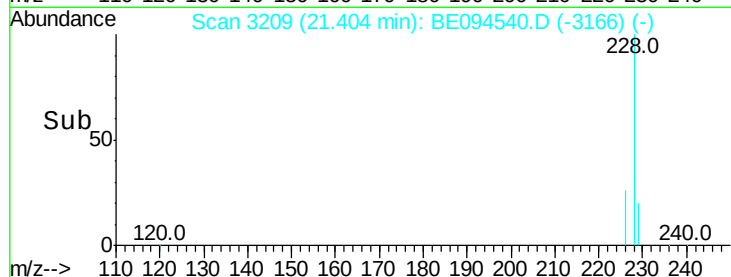
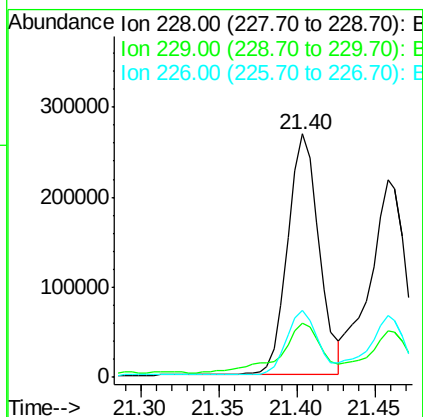
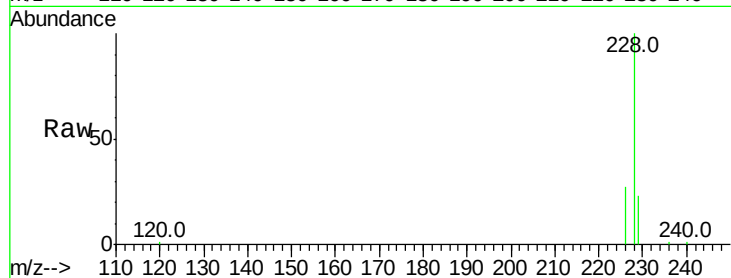
Tot Ion:228 Resp: 373608

Ion Ratio Lower Upper

228 100

229 22.5 22.8 34.2#

226 27.4 17.0 25.6#



#19

Chrysene

Concen: 13.186 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

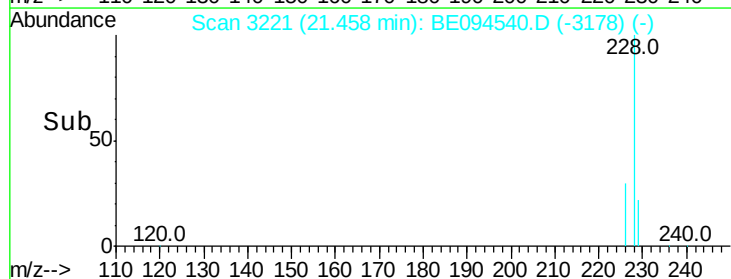
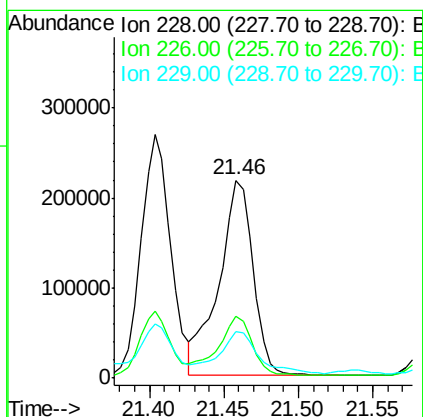
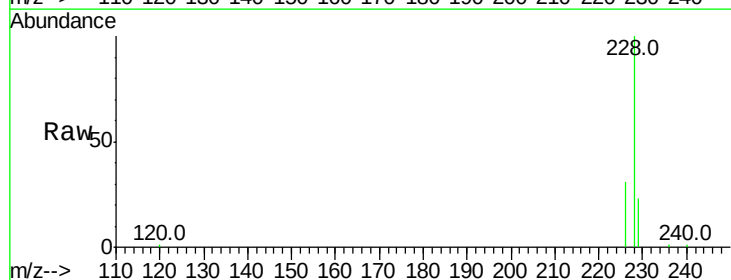
Tgt Ion:228 Resp: 346694

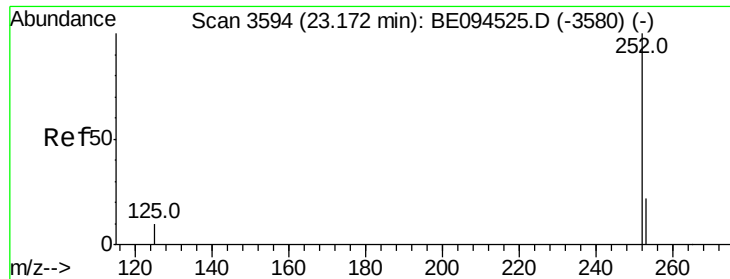
Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

229 23.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 21.610 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. 0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

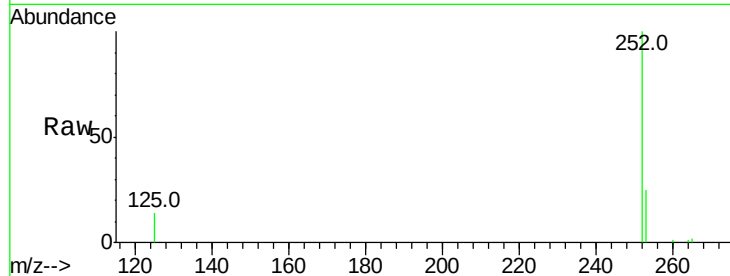
Tot Ion:252 Resp: 567643

Ion Ratio Lower Upper

252 100

253 24.9 0.0 64.2

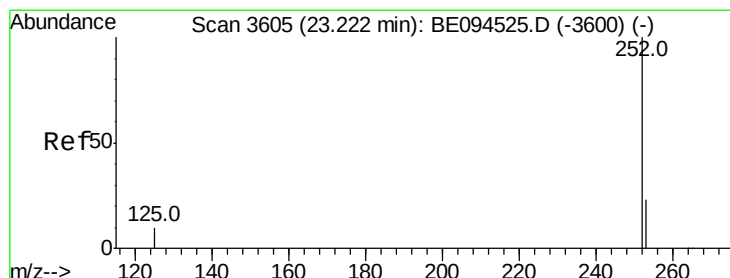
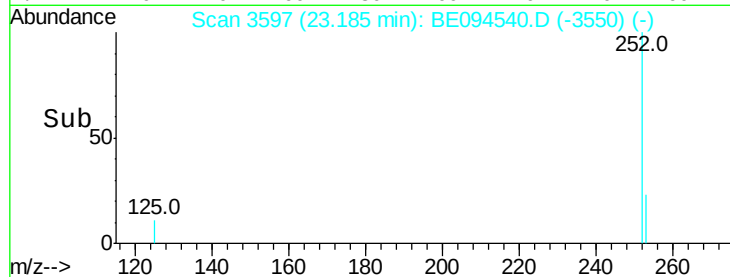
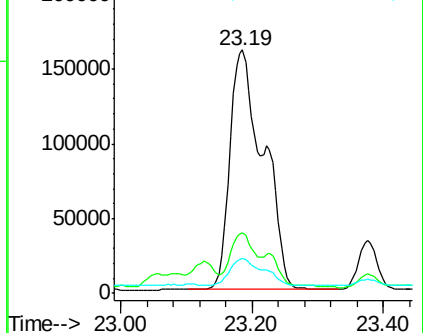
125 14.2 0.0 35.0



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: 20.166 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.04 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

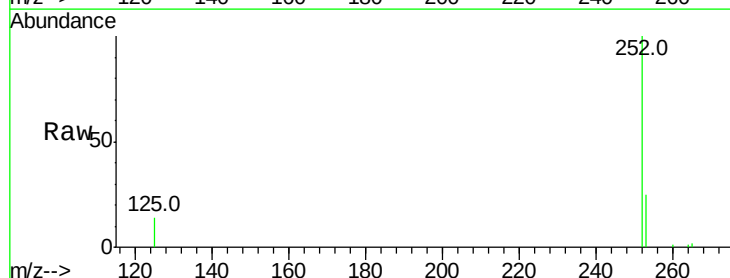
Tgt Ion:252 Resp: 567643

Ion Ratio Lower Upper

252 100

253 24.9 24.5 36.7

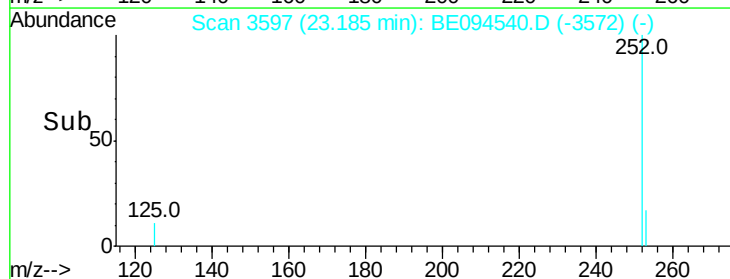
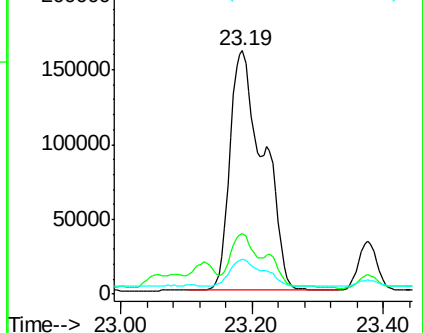
125 14.2 13.7 20.5

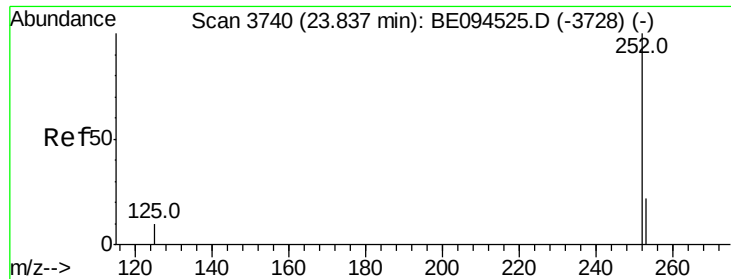


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 12.115 ng/ul

RT: 23.85 min Scan# 3742

Delta R.T. 0.00 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :

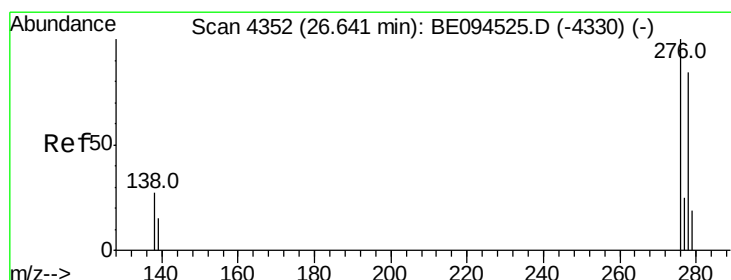
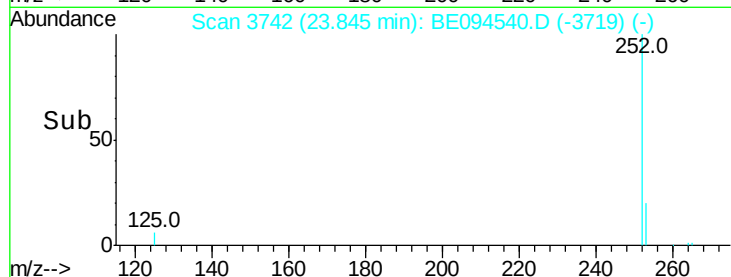
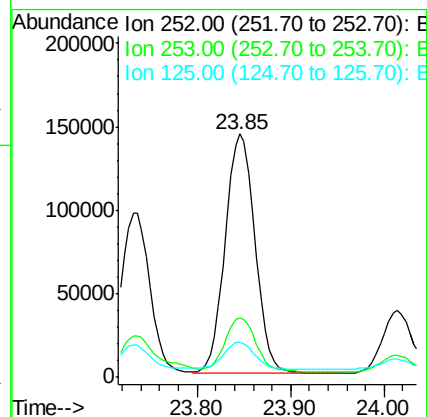
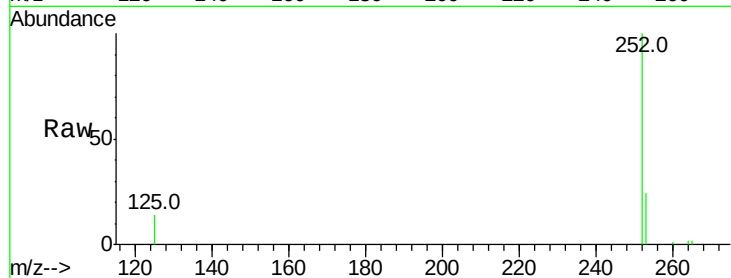
Tot Ion:252 Resp: 318101

Ion Ratio Lower Upper

252 100

253 24.3 28.5 42.7#

125 14.4 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 6.953 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. 0.02 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

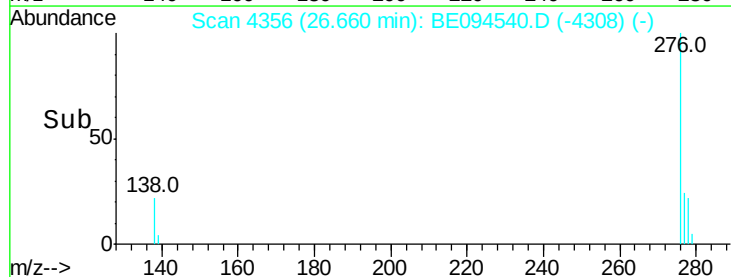
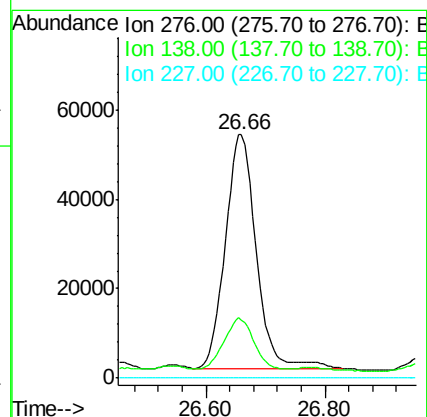
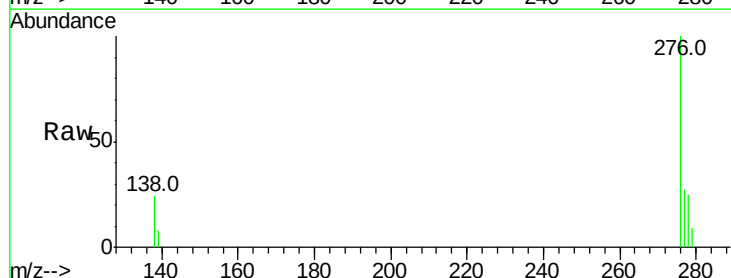
Tgt Ion:276 Resp: 188908

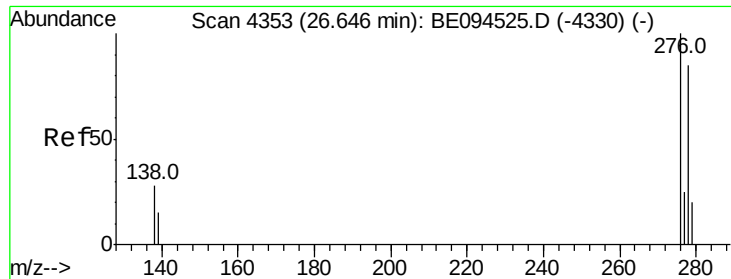
Ion Ratio Lower Upper

276 100

138 21.1 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 2.154 ng/ul

RT: 26.66 min Scan# 4355

Delta R.T. 0.01 min

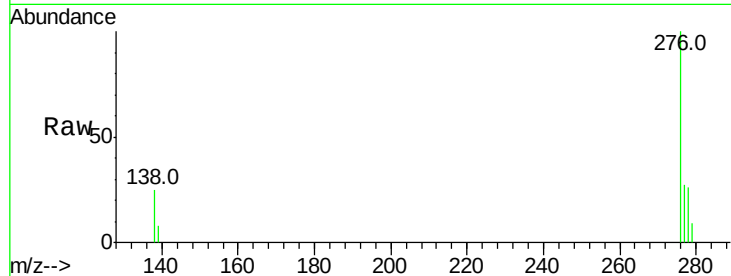
Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Instrument :

BNA_E

ClientSampleId :



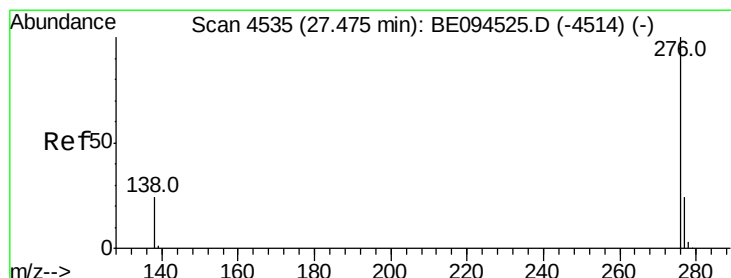
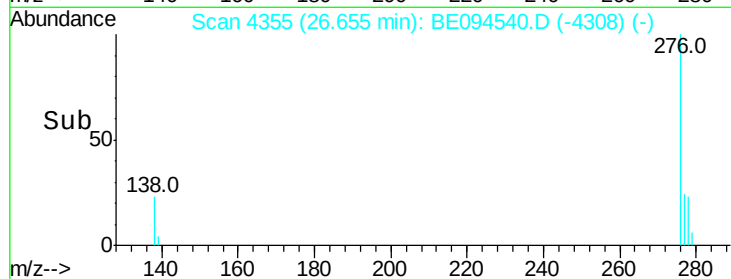
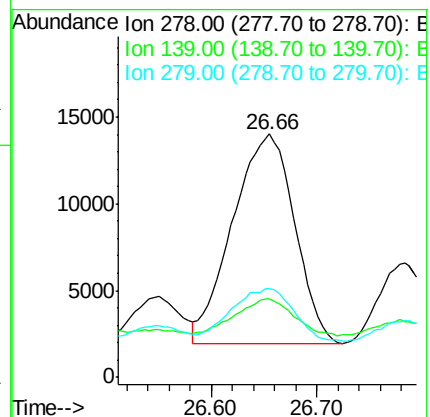
Tot Ion:278 Resp: 49307

Ion Ratio Lower Upper

278 100

139 32.4 17.4 26.0#

279 36.7 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 6.800 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. 0.01 min

Lab File: BE094540.D

Acq: 25 Oct 2017 19:29

Tgt Ion:276 Resp: 148348

Ion Ratio Lower Upper

276 100

138 26.1 21.8 32.8

277 27.1 20.5 30.7

