

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094558.D
 Acq On : 26 Oct 2017 12:23
 Operator : SJ/JU
 Sample : I5719-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:39:29 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

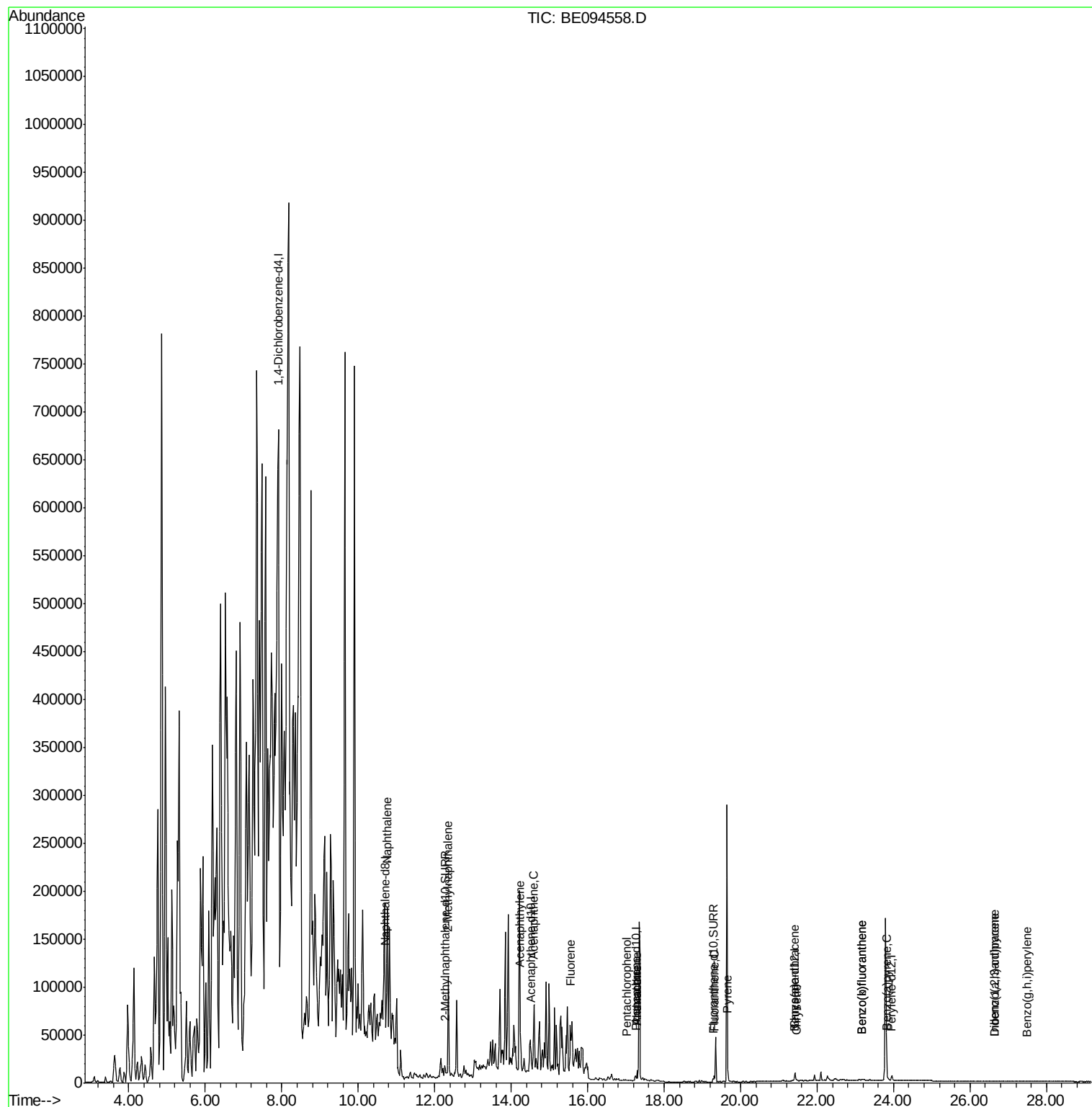
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	6449	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	11566	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5693	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	7401	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	7315	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	7924	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4676	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	3677	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	209461	7.407	ng/ul#	61
5) 2-Methylnaphthalene	12.35	142	82706	4.180	ng/ul	98
7) Acenaphthylene	14.24	152	16018	0.622	ng/ul#	1
8) Acenaphthene	14.60	153	26805	1.449	ng/ul#	41
9) Fluorene	15.57	166	29137	1.402	ng/ul#	78
11) Pentachlorophenol	17.03	266	60	0.162	ng/ul#	53
12) Phenanthrene	17.29	178	13596	0.696	ng/ul	96
13) Anthracene	17.29	178	12615	0.654	ng/ul	97
15) Fluoranthene	19.31	202	8360	0.370	ng/ul	83
17) Pyrene	19.67	202	8140	0.360	ng/ul#	85
18) Benzo(a)anthracene	21.40	228	2615	0.125	ng/ul#	52
19) Chrysene	21.46	228	1729	0.080	ng/ul#	43
21) Benzo(b)fluoranthene	23.18	252	3517	0.158	ng/ul#	17
22) Benzo(k)fluoranthene	23.18	252	3517	0.147	ng/ul#	14
23) Benzo(a)pyrene	23.84	252	1352	0.061	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.65	276	1254	0.054	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.65	278	437	0.022	ng/ul#	1
26) Benzo(g,h,i)perylene	27.48	276	1315	0.071	ng/ul#	25

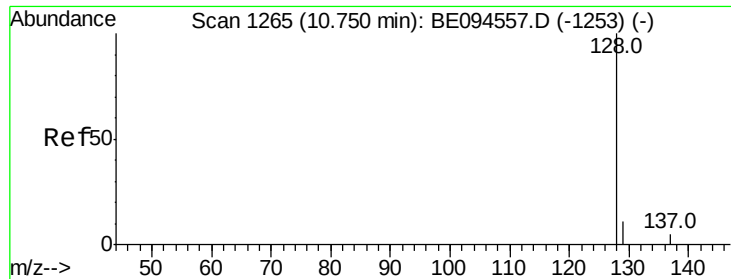
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 7.407 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampled :

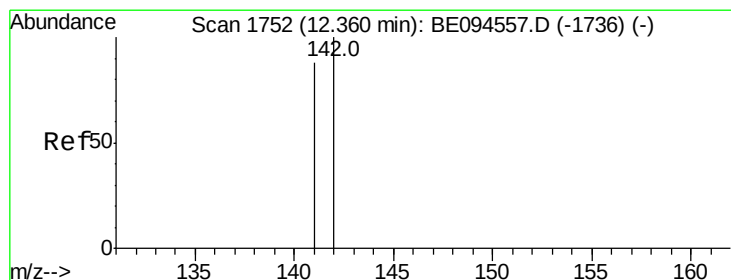
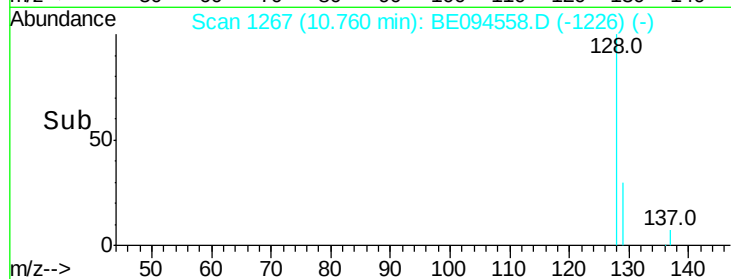
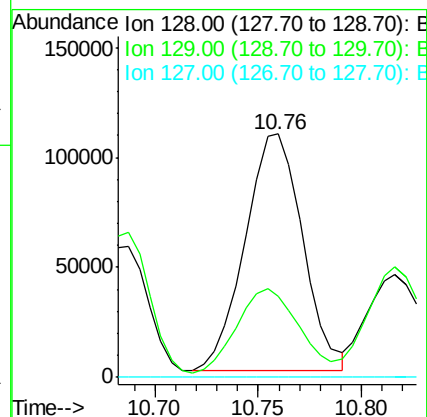
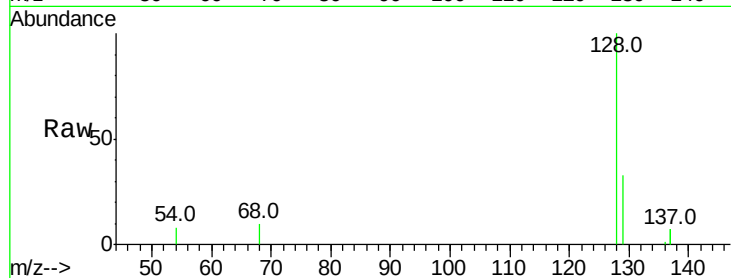
Tot Ion:128 Resp: 209461

Ion Ratio Lower Upper

128 100

129 33.4 11.3 16.9#

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 4.180 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094558.D

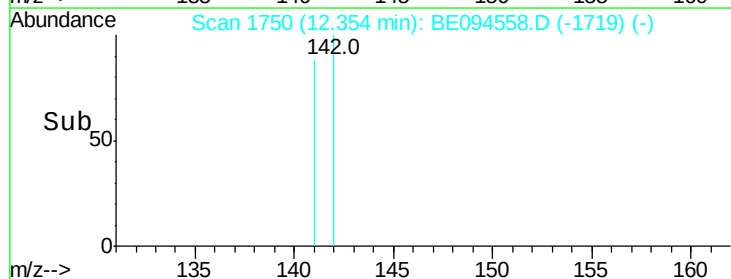
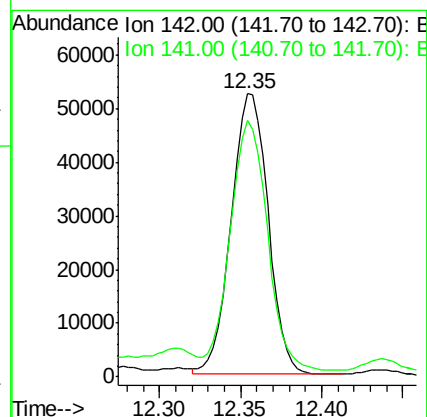
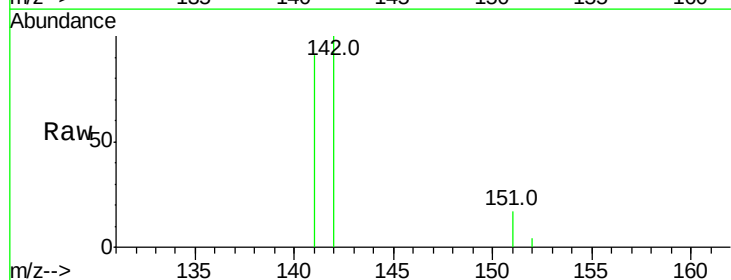
Acq: 26 Oct 2017 12:23

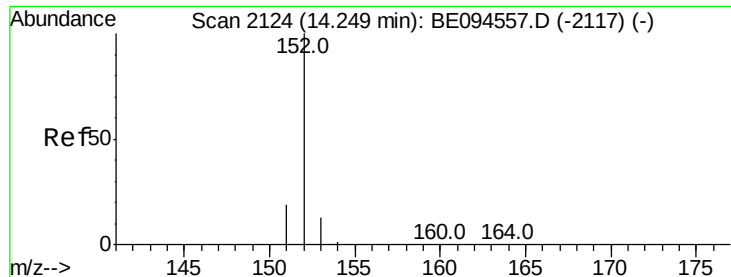
Tgt Ion:142 Resp: 82706

Ion Ratio Lower Upper

142 100

141 89.2 72.6 108.8





#7

Acenaphthylene

Concen: 0.622 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampled :

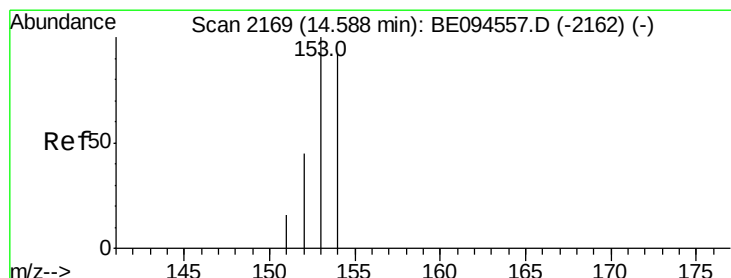
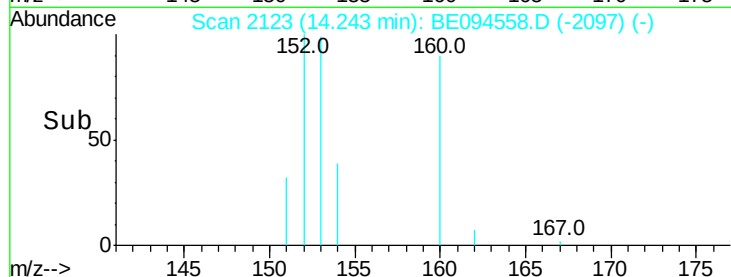
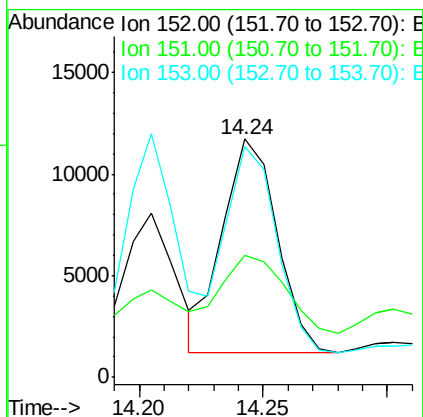
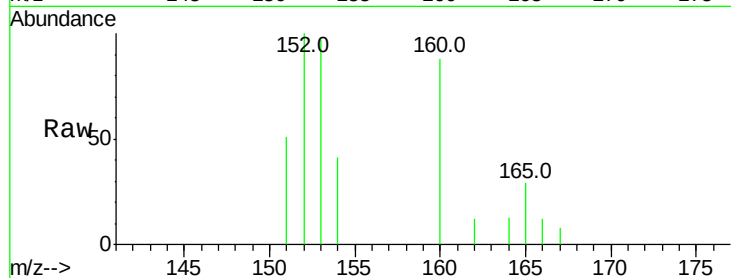
Tot Ion:152 Resp: 16018

Ion Ratio Lower Upper

152 100

151 51.1 17.1 25.7#

153 96.9 12.8 19.2#



#8

Acenaphthene

Concen: 1.449 ng/ul

RT: 14.60 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

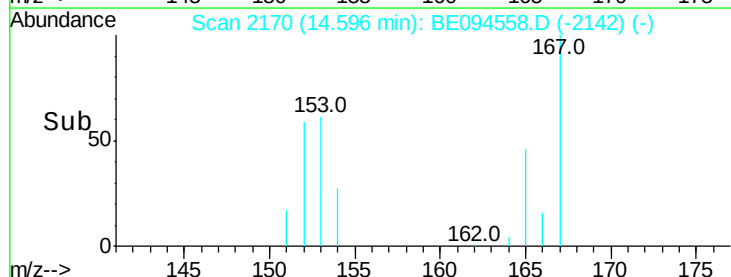
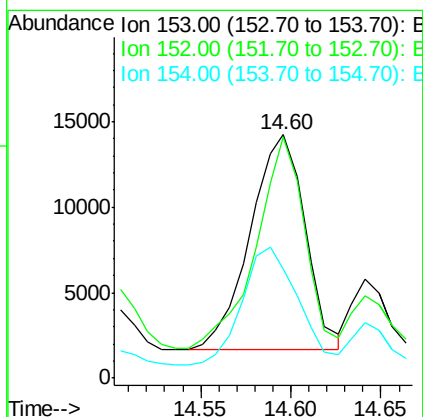
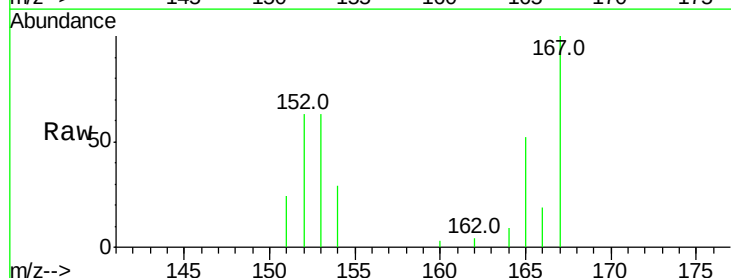
Tgt Ion:153 Resp: 26805

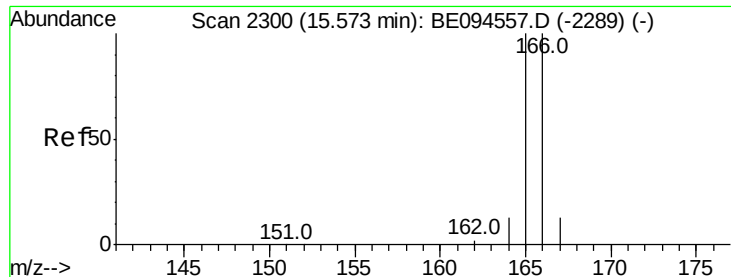
Ion Ratio Lower Upper

153 100

152 98.9 36.0 54.0#

154 45.0 72.0 108.0#

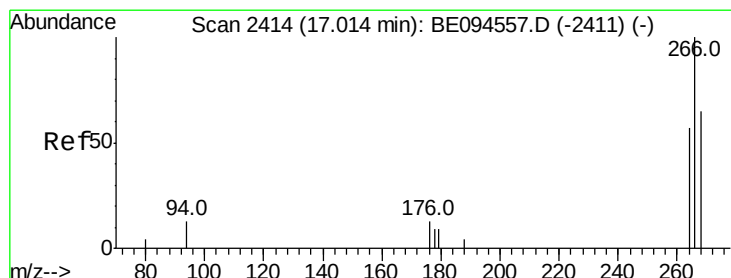
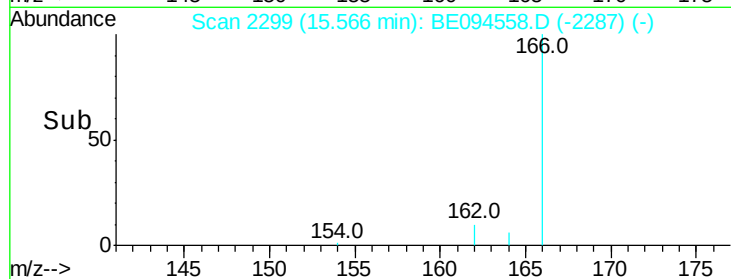
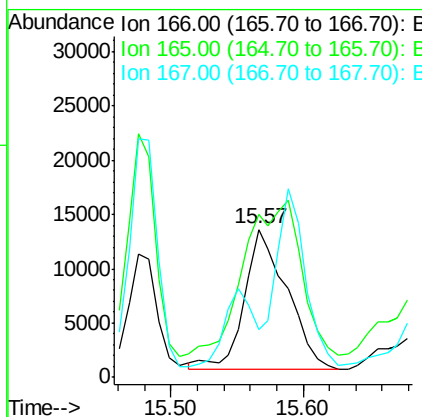
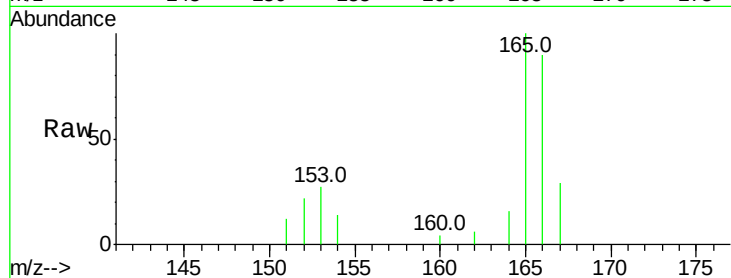




#9
Fluorene
 Concen: 1.402 ng/ul
 RT: 15.57 min Scan# 2299
 Delta R.T. -0.01 min
 Lab File: BE094558.D
 Acq: 26 Oct 2017 12:23

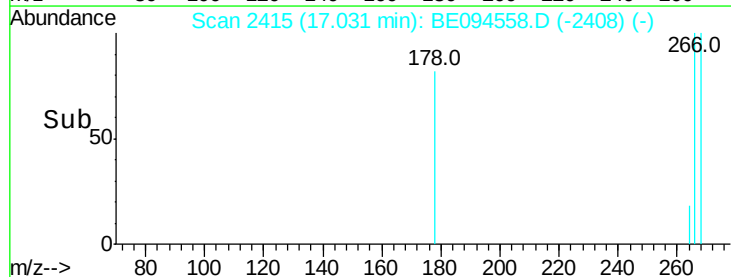
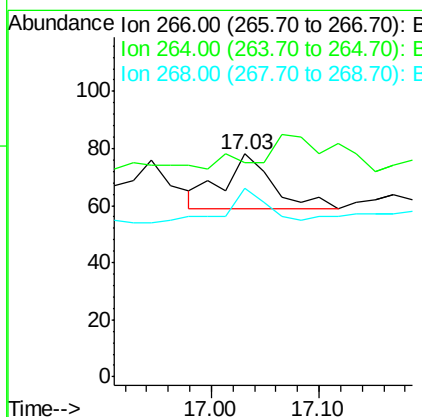
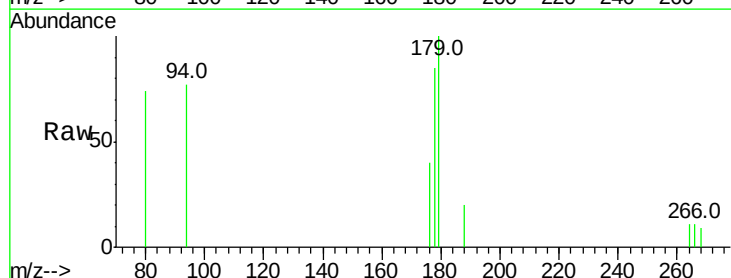
Instrument :
 BNA_E
 ClientSampleId :

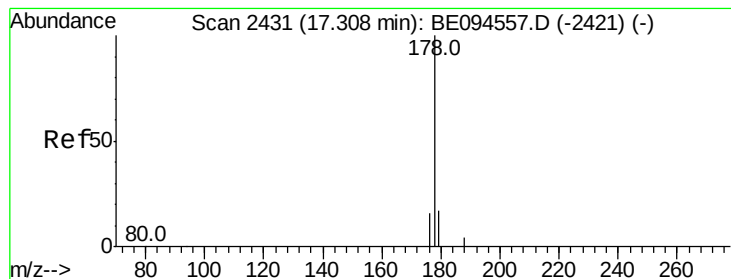
Tot Ion:166 Resp: 29137
 Ion Ratio Lower Upper
 166 100
 165 110.5 73.4 110.2#
 167 32.1 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.162 ng/ul
 RT: 17.03 min Scan# 2415
 Delta R.T. 0.02 min
 Lab File: BE094558.D
 Acq: 26 Oct 2017 12:23

Tgt Ion:266 Resp: 60
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 50.0 49.8 74.8





#12

Phenanthrene

Concen: 0.696 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampleId :

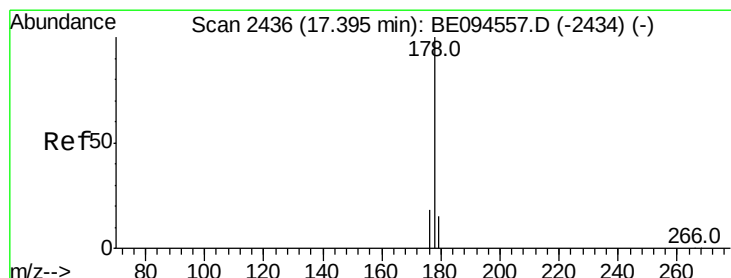
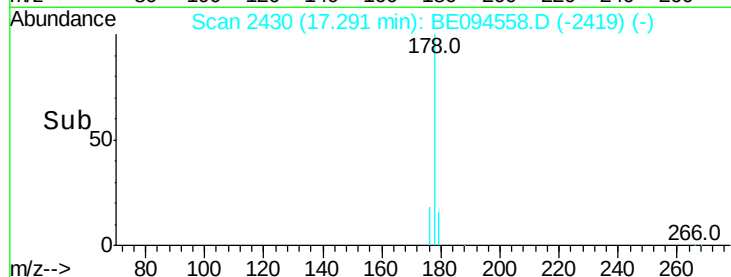
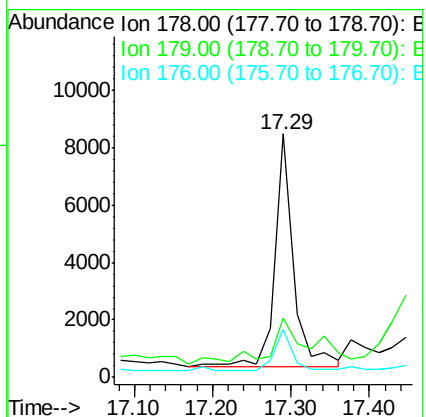
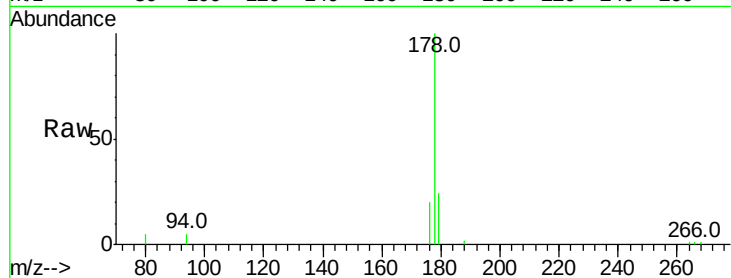
Tot Ion:178 Resp: 13596

Ion Ratio Lower Upper

178 100

179 24.2 18.4 27.6

176 19.7 13.6 20.4



#13

Anthracene

Concen: 0.654 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.10 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

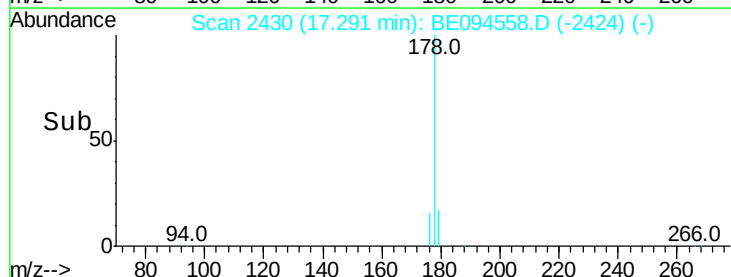
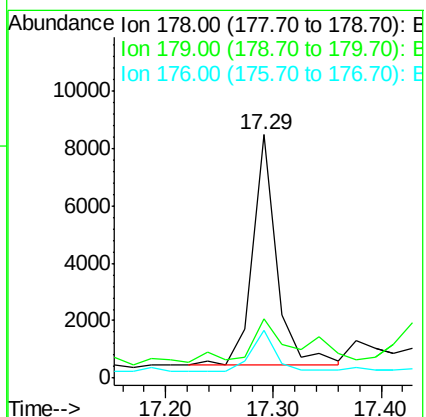
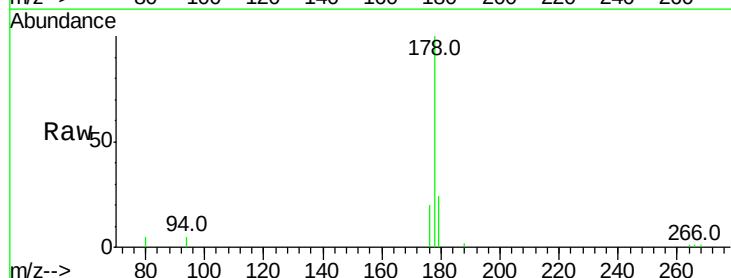
Tgt Ion:178 Resp: 12615

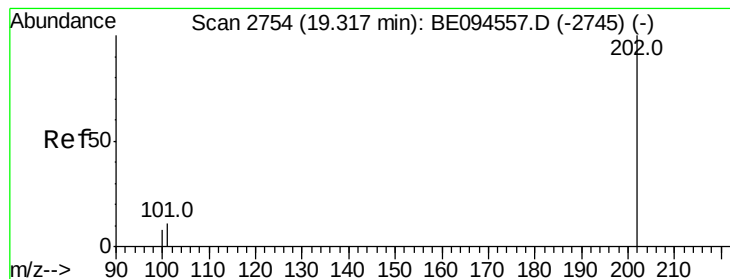
Ion Ratio Lower Upper

178 100

179 24.2 18.1 27.1

176 19.7 14.7 22.1





#15

Fluoranthene

Concen: 0.370 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampleId :

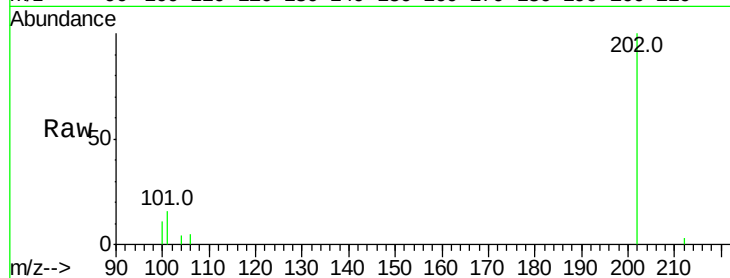
Tot Ion:202 Resp: 8360

Ion Ratio Lower Upper

202 100

101 16.1 0.0 30.3

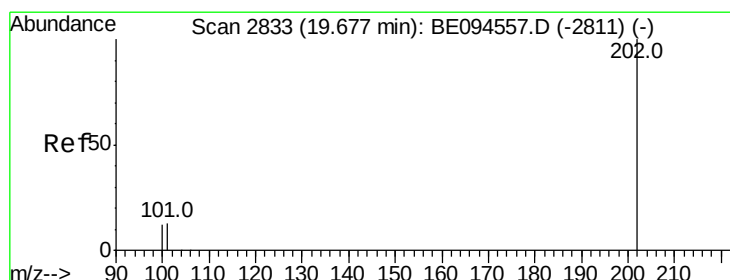
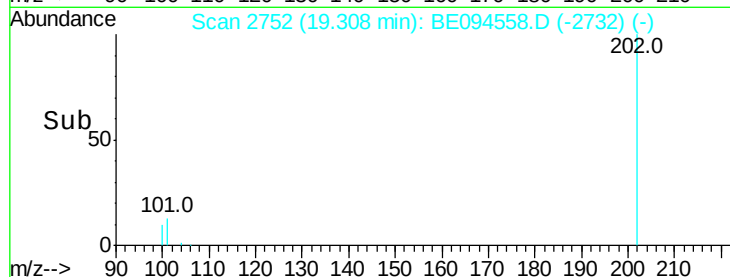
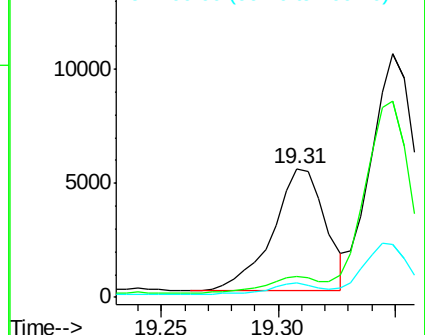
100 11.3 0.0 39.5



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: 0.360 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

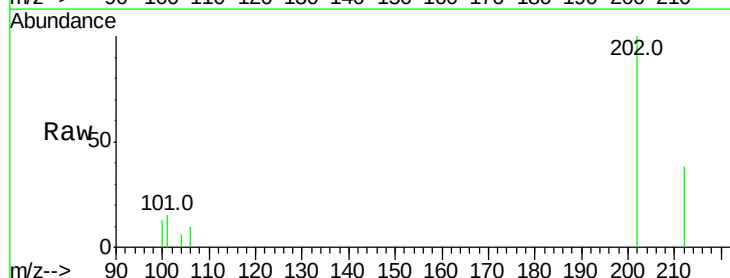
Tgt Ion:202 Resp: 8140

Ion Ratio Lower Upper

202 100

101 15.3 18.2 27.4#

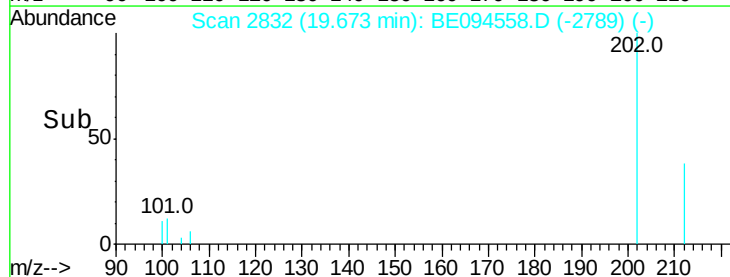
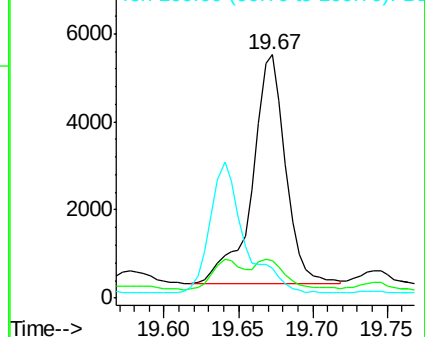
100 12.5 15.6 23.4#

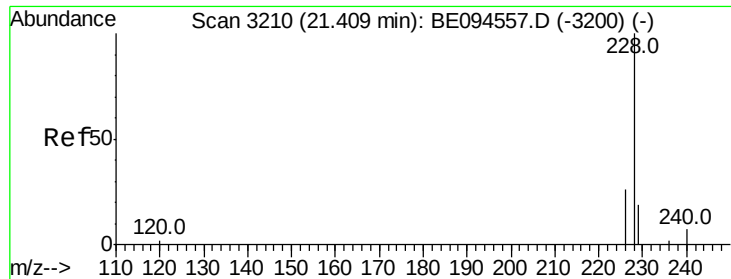


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.125 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampleId :

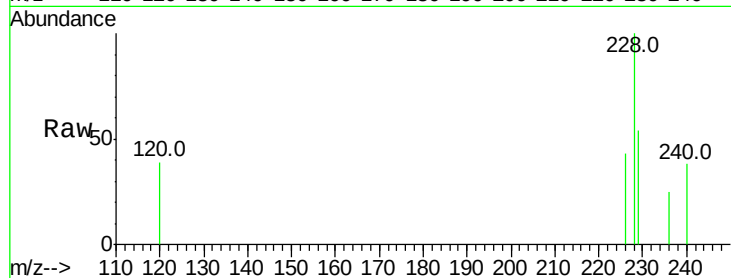
Tot Ion:228 Resp: 2615

Ion Ratio Lower Upper

228 100

229 54.3 22.8 34.2#

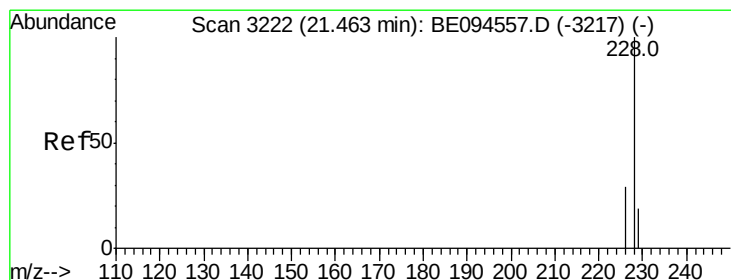
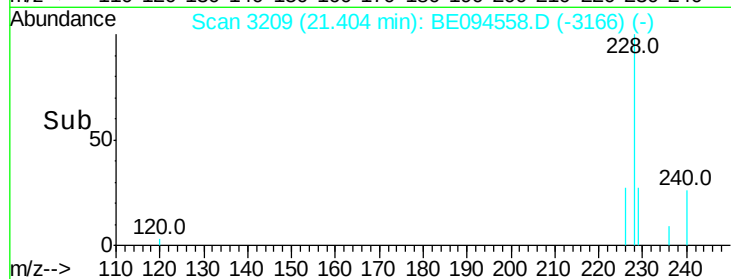
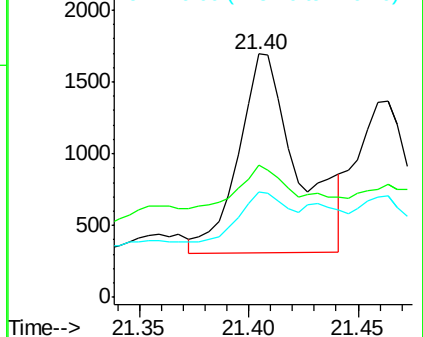
226 43.1 17.0 25.6#



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: 0.080 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. 0.00 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

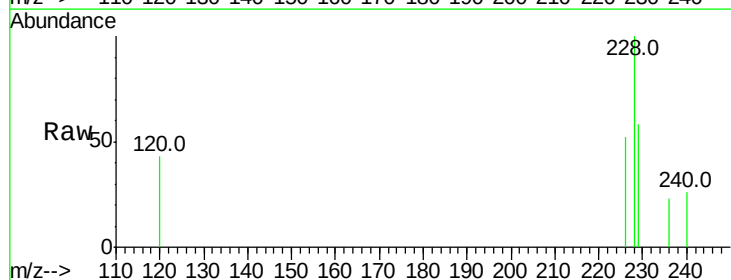
Tgt Ion:228 Resp: 1729

Ion Ratio Lower Upper

228 100

226 52.1 23.4 35.0#

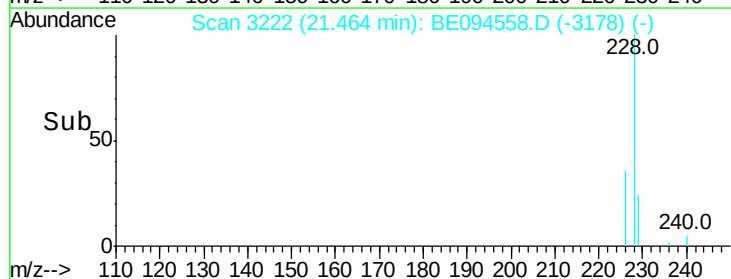
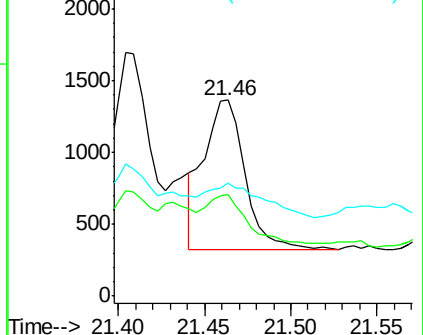
229 57.8 17.7 26.5#

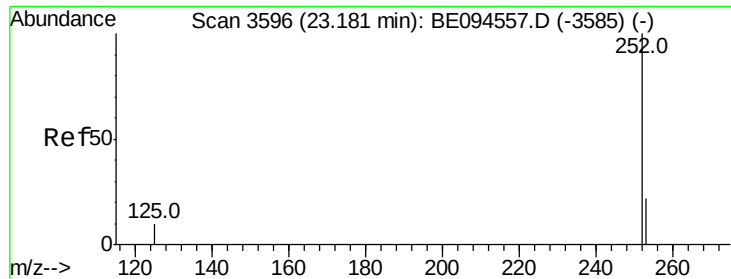


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.158 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. 0.00 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampleId :

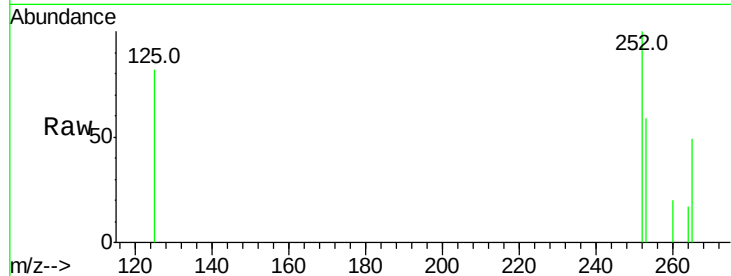
Tot Ion:252 Resp: 3517

Ion Ratio Lower Upper

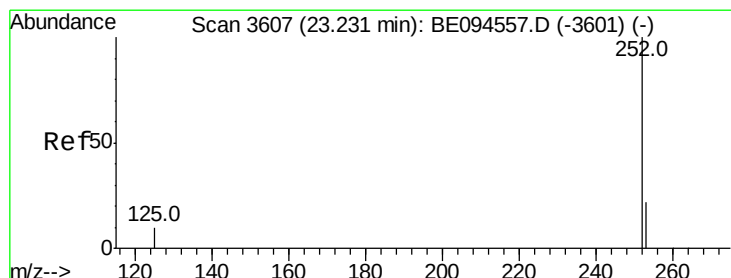
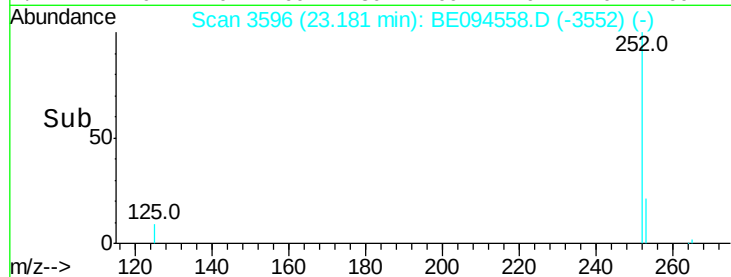
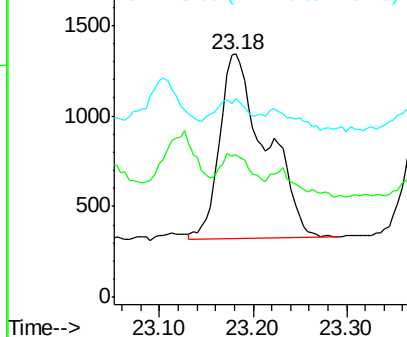
252 100

253 58.8 0.0 64.2

125 81.6 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: 0.147 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

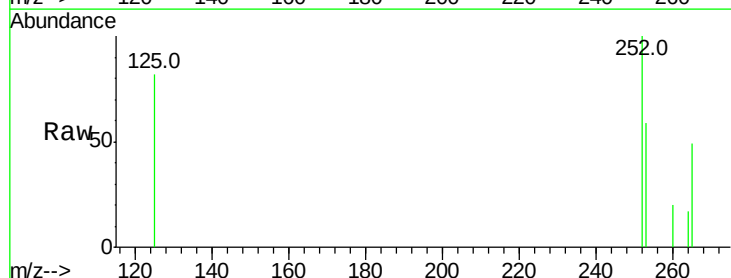
Tgt Ion:252 Resp: 3517

Ion Ratio Lower Upper

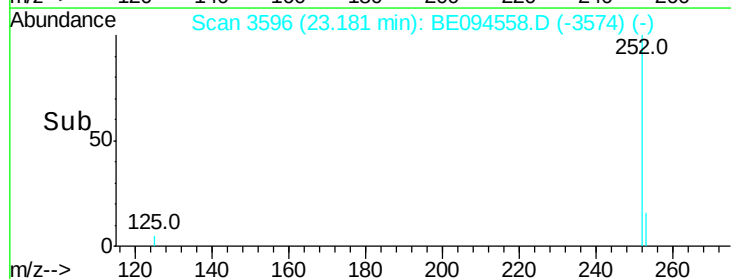
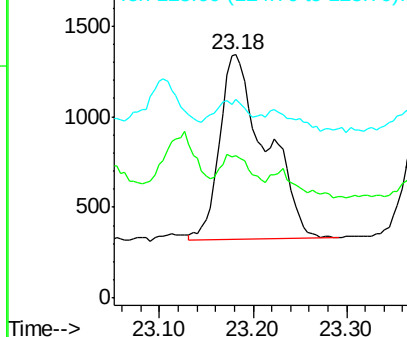
252 100

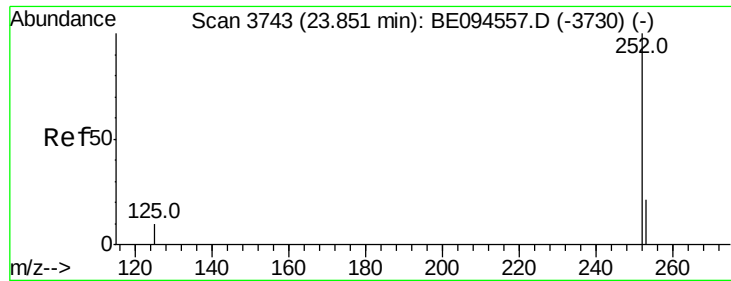
253 58.8 24.5 36.7#

125 81.6 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: 0.061 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.01 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampleId :

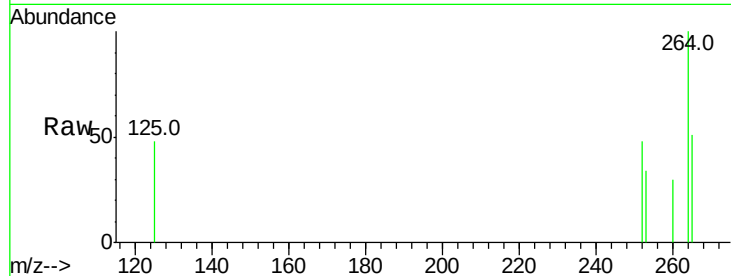
Tot Ion:252 Resp: 1352

Ion Ratio Lower Upper

252 100

253 70.8 28.5 42.7#

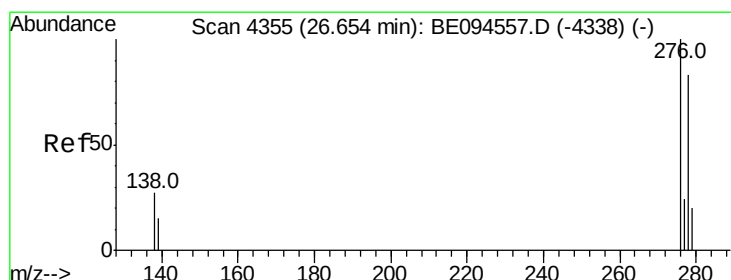
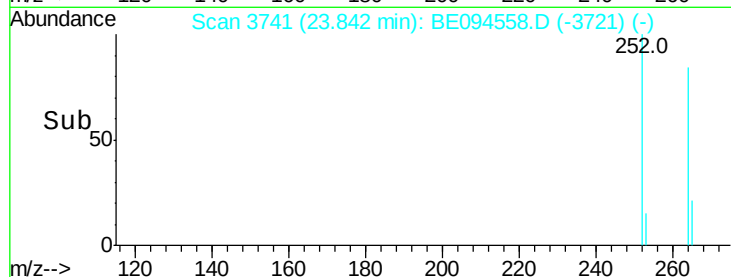
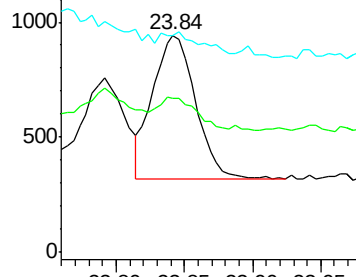
125 100.0 18.1 27.1#



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: 0.054 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. 0.00 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

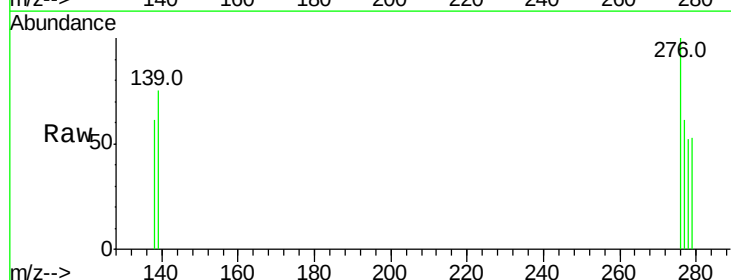
Tgt Ion:276 Resp: 1254

Ion Ratio Lower Upper

276 100

138 29.1 28.0 42.0

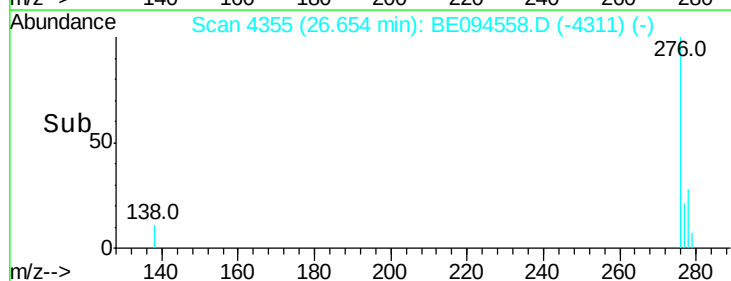
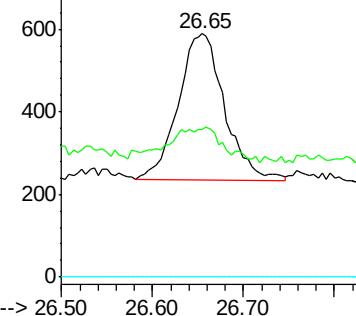
227 0.0 8.0 12.0#

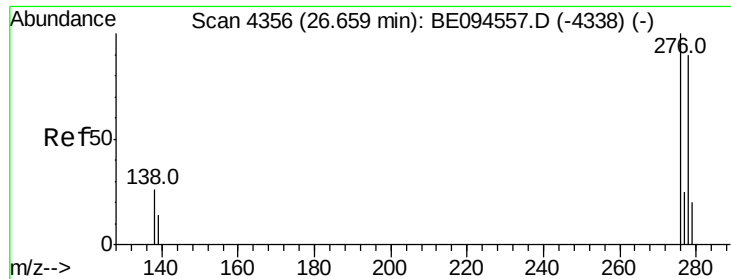


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.022 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. -0.01 min

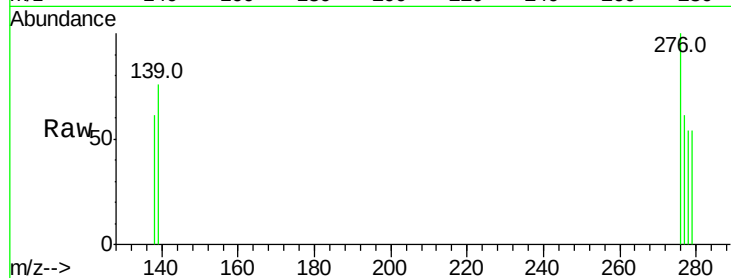
Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Instrument :

BNA_E

ClientSampled :



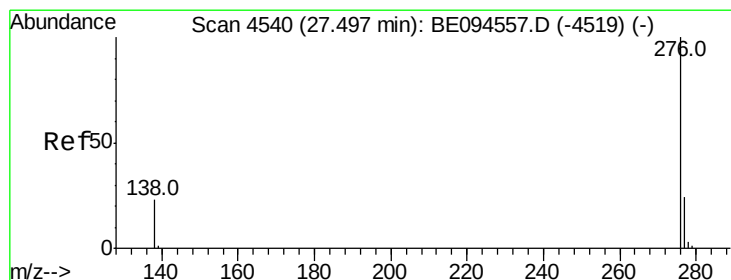
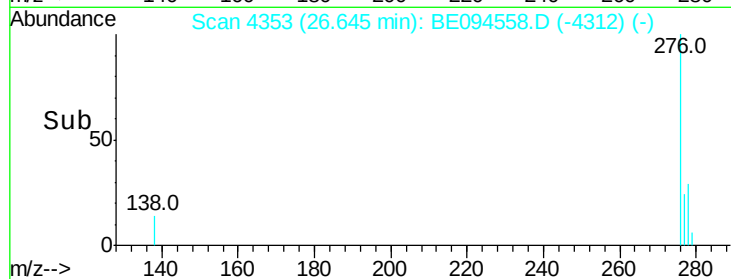
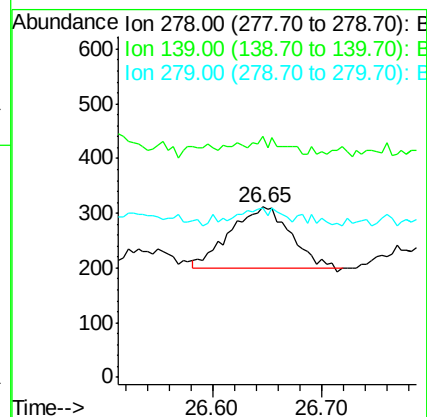
Tot Ion:278 Resp: 437

Ion Ratio Lower Upper

278 100

139 141.0 17.4 26.0#

279 99.0 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.071 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. -0.01 min

Lab File: BE094558.D

Acq: 26 Oct 2017 12:23

Tgt Ion:276 Resp: 1315

Ion Ratio Lower Upper

276 100

138 66.2 21.8 32.8#

277 63.8 20.5 30.7#

