

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094256.D
 Acq On : 10 Oct 2017 18:12
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 06:38:12 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 06:34:16 2017
 Response via : Initial Calibration

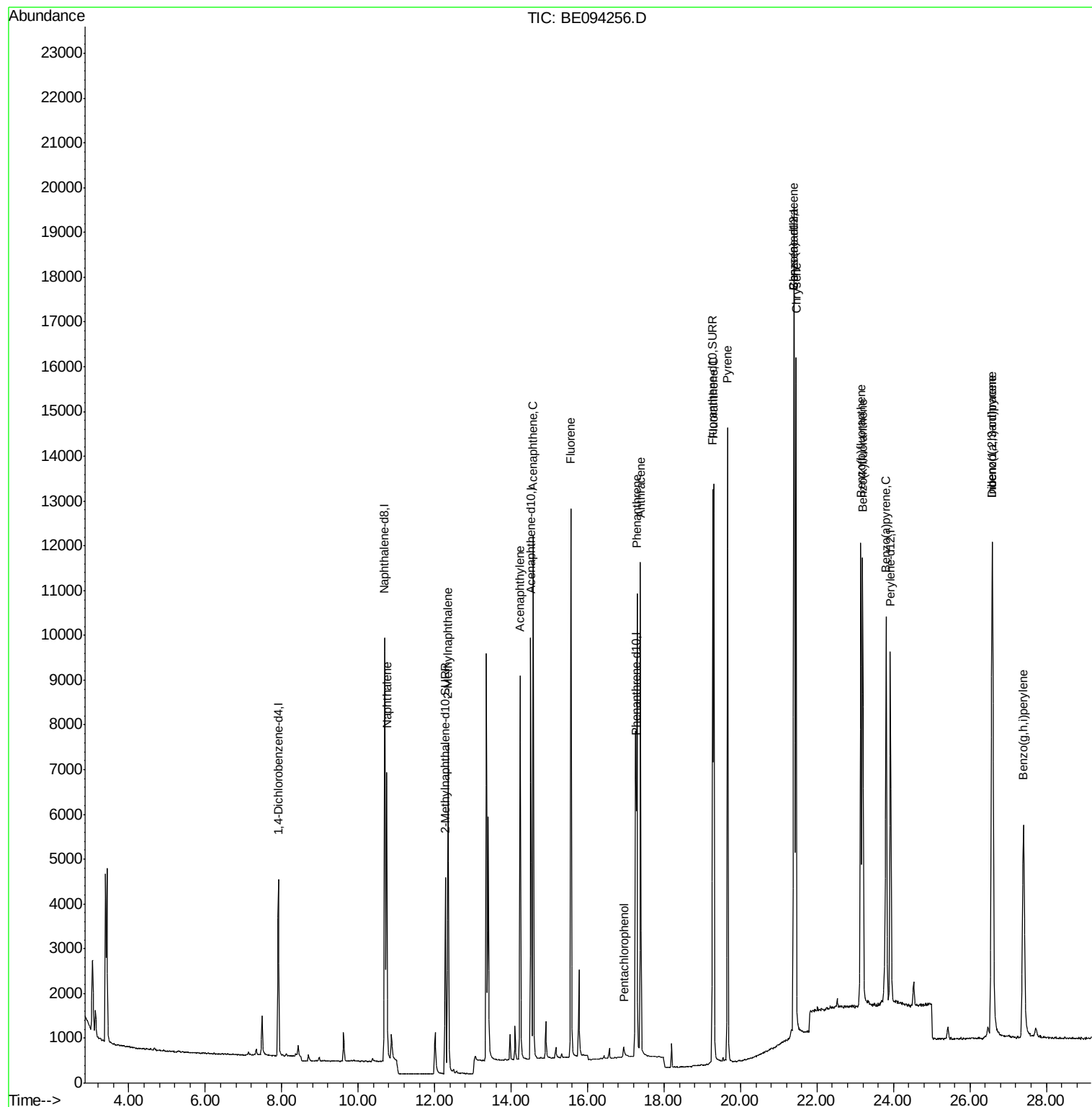
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2121	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	10741	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5679	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12254	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	12706	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	12391	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	6687	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	14597	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	10369	0.394	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	7110	0.417	ng/ul	98
7) Acenaphthylene	14.24	152	10363	0.468	ng/ul	96
8) Acenaphthene	14.57	153	7384	0.405	ng/ul	97
9) Fluorene	15.56	166	8317	0.390	ng/ul#	90
11) Pentachlorophenol	16.95	266	388	0.270	ng/ul	96
12) Phenanthrene	17.29	178	12978	0.405	ng/ul#	93
13) Anthracene	17.38	178	12990	0.417	ng/ul#	92
15) Fluoranthene	19.30	202	14693	0.349	ng/ul	85
17) Pyrene	19.66	202	15529	0.439	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	15825	0.469	ng/ul#	87
19) Chrysene	21.45	228	14578	0.375	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	15120	0.449	ng/ul	90
22) Benzo(k)fluoranthene	23.19	252	14661	0.377	ng/ul	92
23) Benzo(a)pyrene	23.81	252	14052	0.402	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.58	276	15347	0.429	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.59	278	12812	0.427	ng/ul	93
26) Benzo(g,h,i)perylene	27.40	276	12547	0.407	ng/ul	98

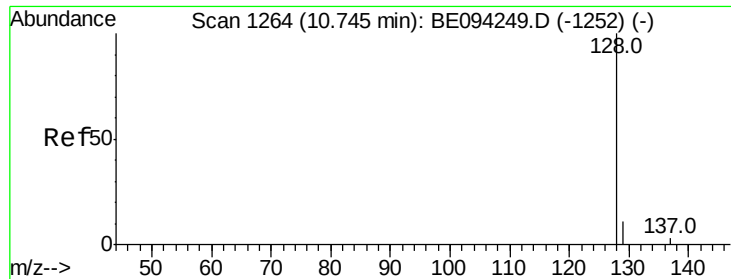
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.394 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

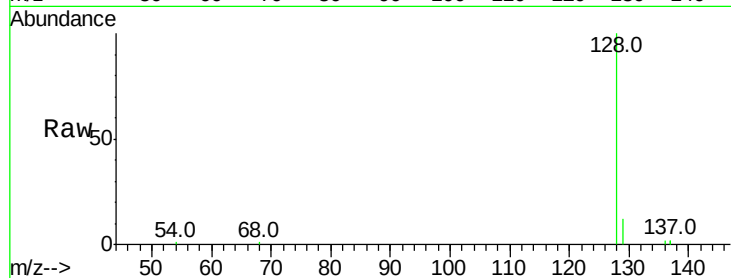
Tot Ion:128 Resp: 10369

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

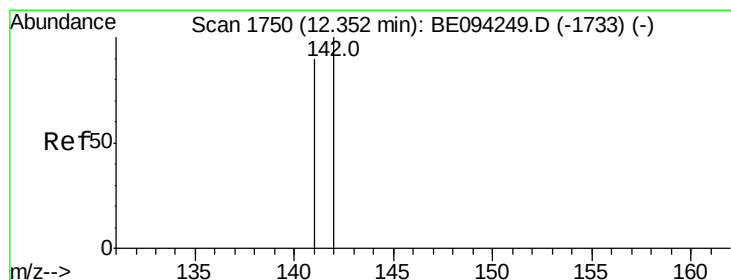
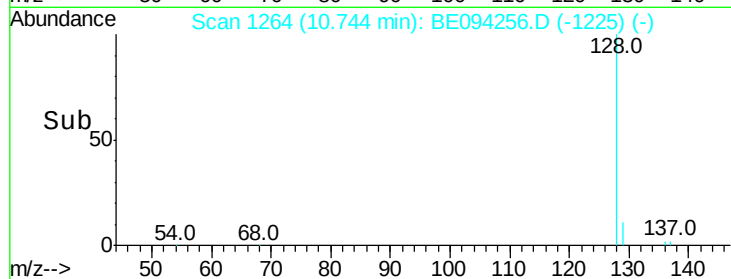
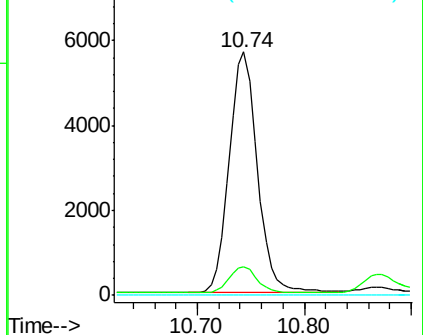
127 0.0 4.0 6.0#



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: 0.417 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094256.D

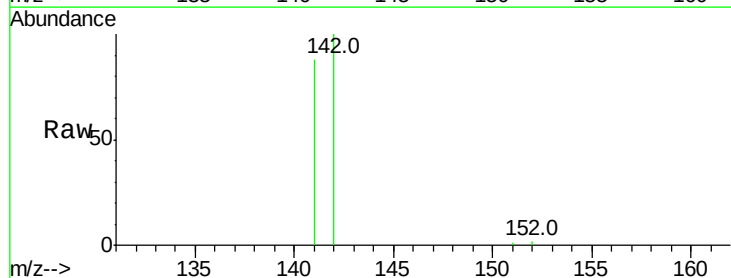
Acq: 10 Oct 2017 18:12

Tgt Ion:142 Resp: 7110

Ion Ratio Lower Upper

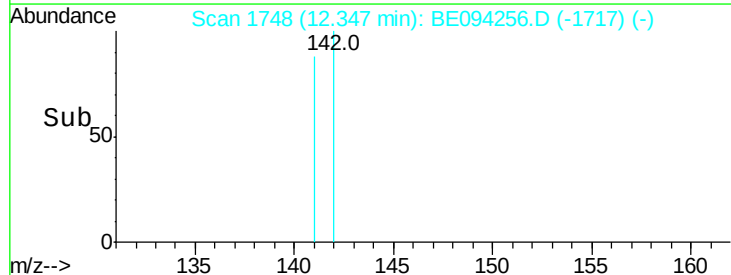
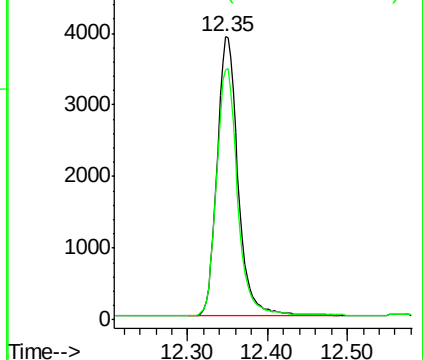
142 100

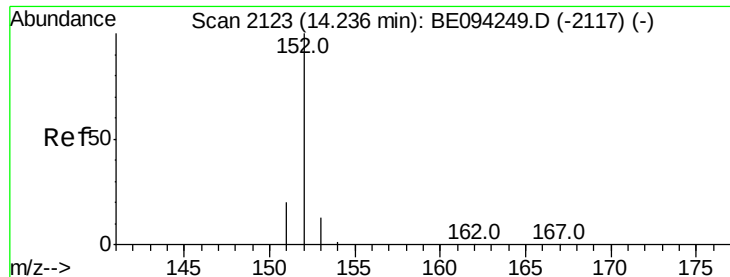
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.468 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

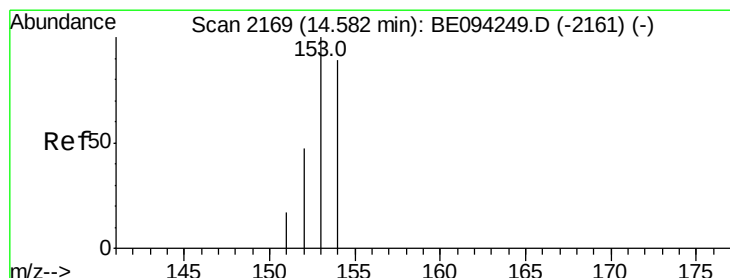
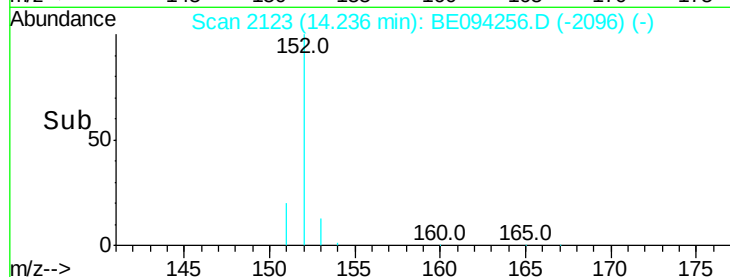
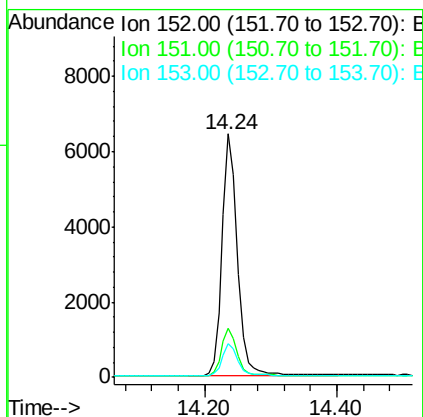
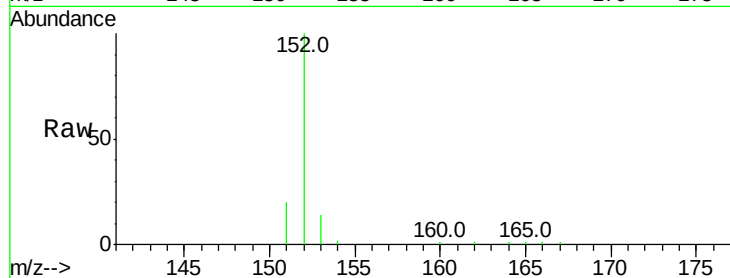
Tot Ion:152 Resp: 10363

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

153 13.7 12.8 19.2



#8

Acenaphthene

Concen: 0.405 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

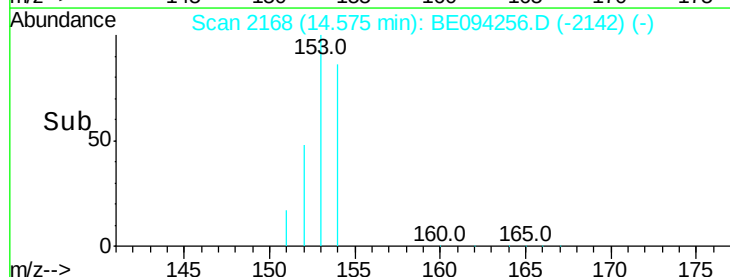
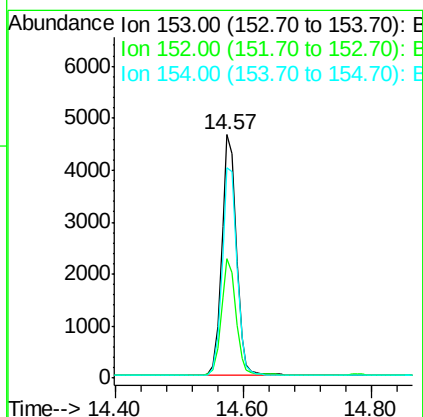
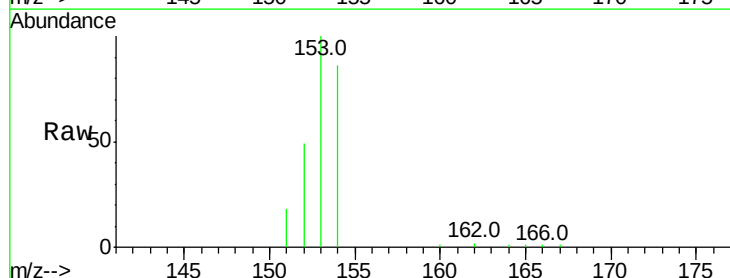
Tgt Ion:153 Resp: 7384

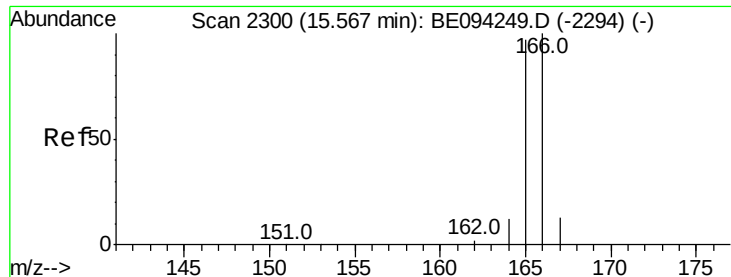
Ion Ratio Lower Upper

153 100

152 48.9 40.3 60.5

154 86.1 71.4 107.2





#9

Fluorene

Concen: 0.390 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

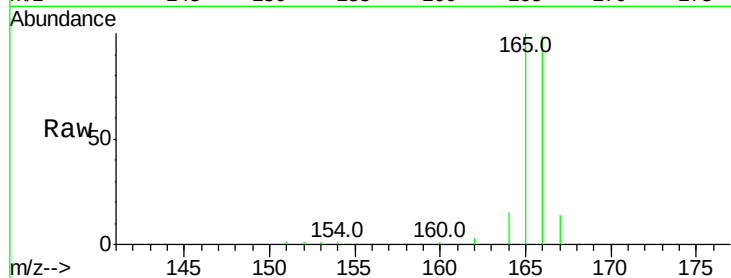
Tot Ion:166 Resp: 8317

Ion Ratio Lower Upper

166 100

165 100.7 73.4 110.2

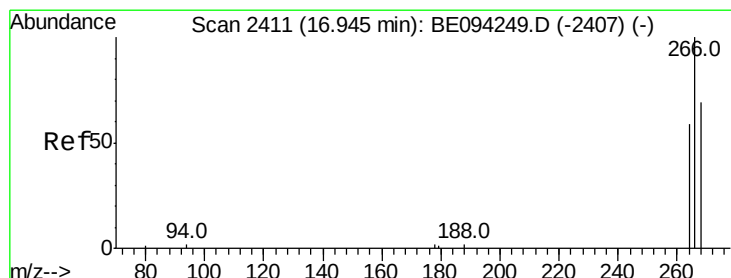
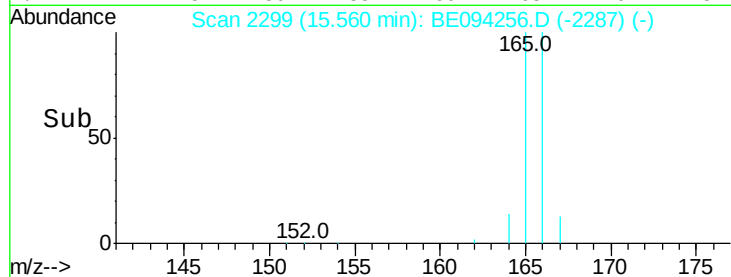
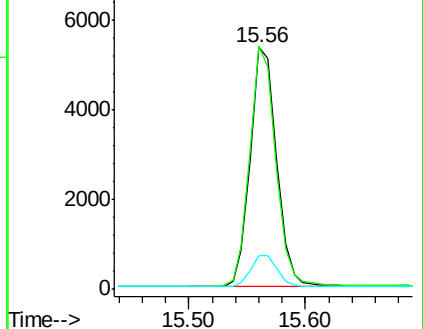
167 13.7 14.6 22.0#



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



#11

Pentachlorophenol

Concen: 0.270 ng/ul

RT: 16.95 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

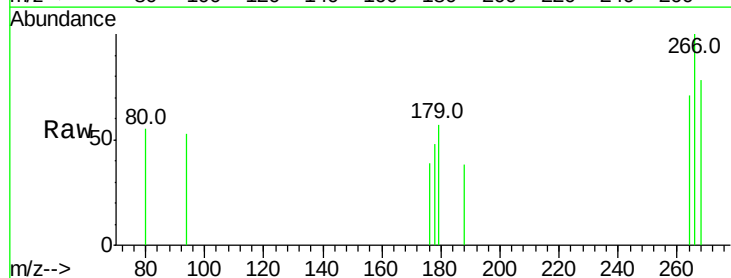
Tgt Ion:266 Resp: 388

Ion Ratio Lower Upper

266 100

264 63.9 47.9 71.9

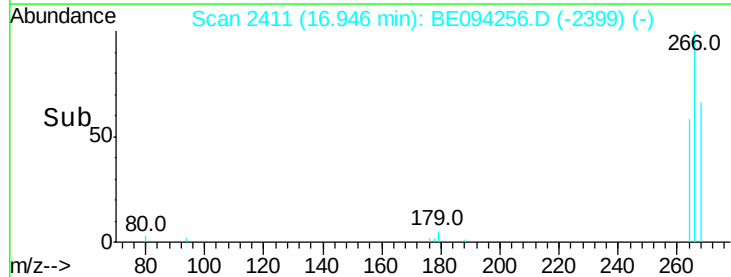
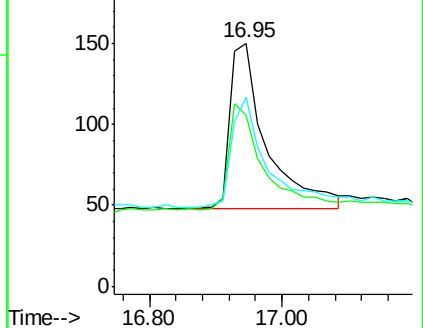
268 64.9 49.8 74.8

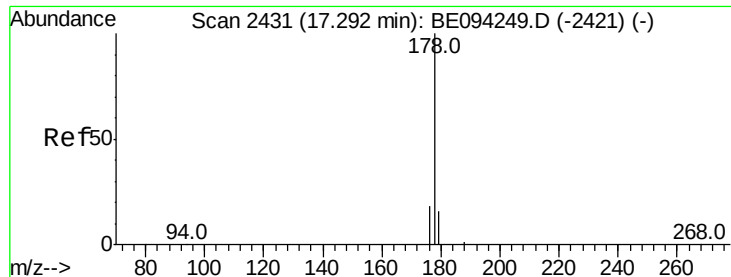


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.405 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

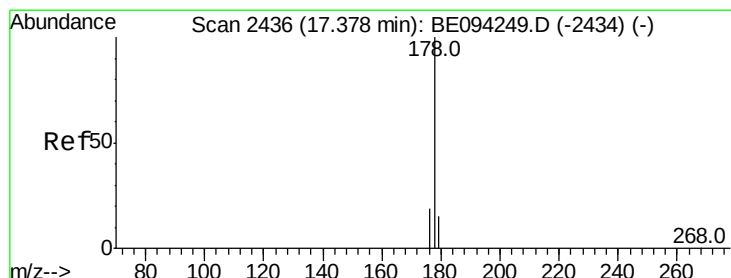
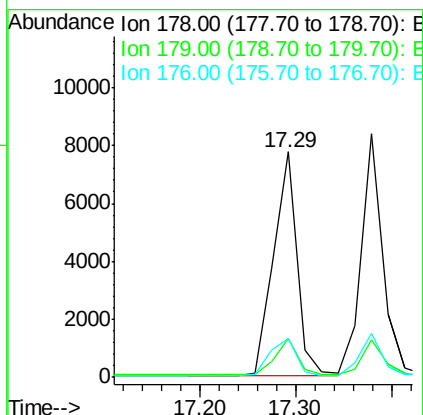
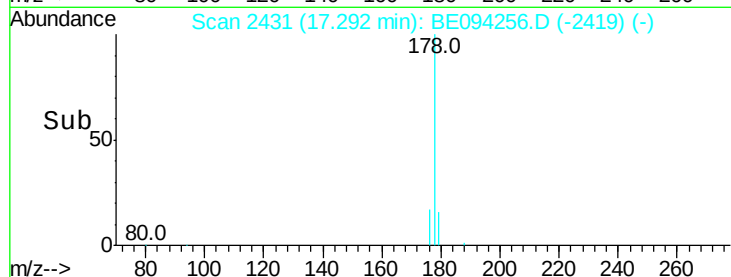
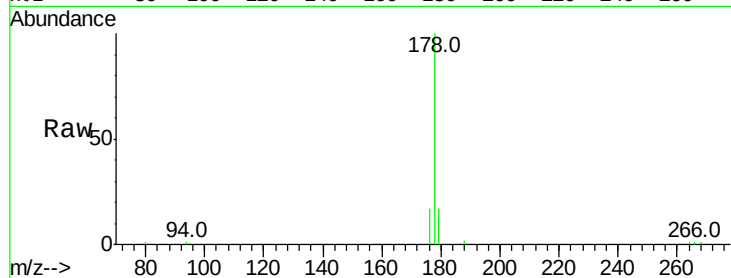
Tot Ion:178 Resp: 12978

Ion Ratio Lower Upper

178 100

179 17.2 18.4 27.6#

176 17.4 13.6 20.4



#13

Anthracene

Concen: 0.417 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

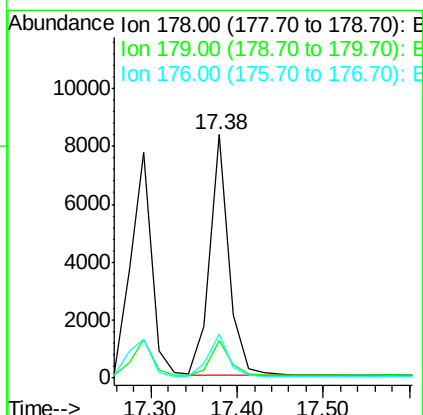
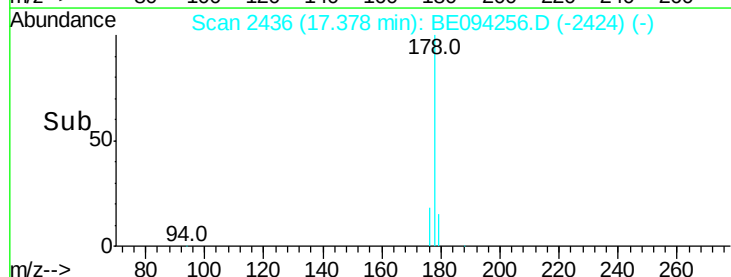
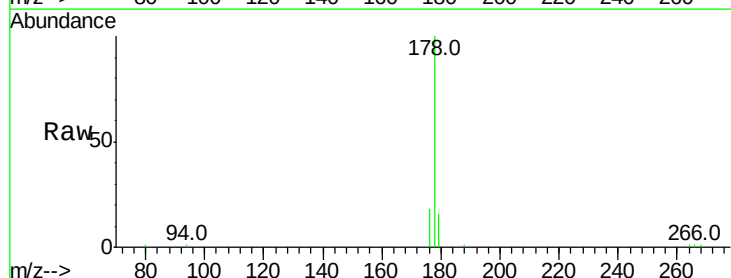
Tgt Ion:178 Resp: 12990

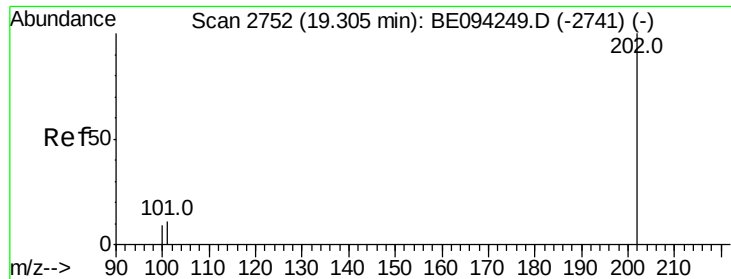
Ion Ratio Lower Upper

178 100

179 15.6 18.1 27.1#

176 18.2 14.7 22.1

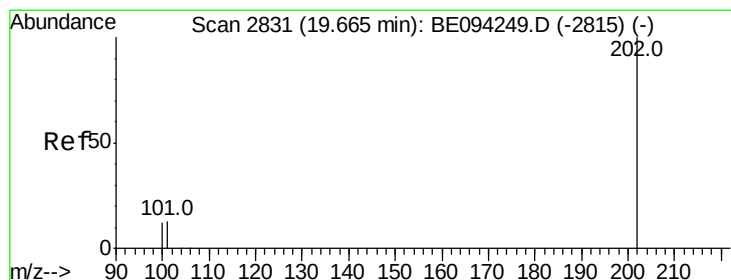
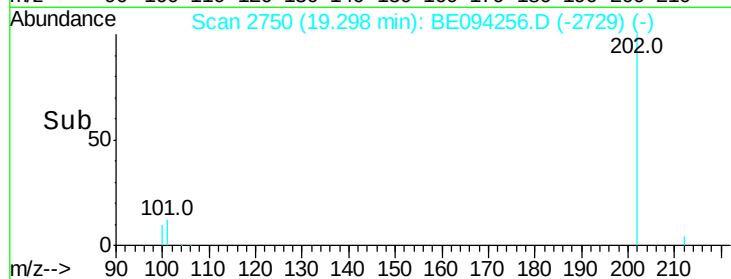
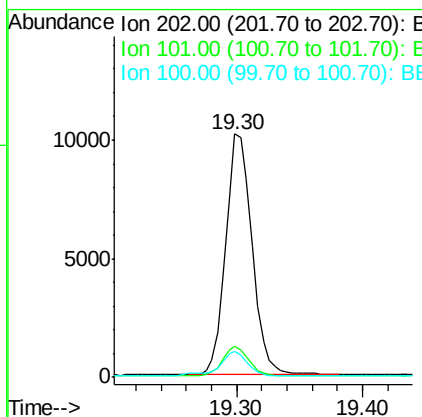
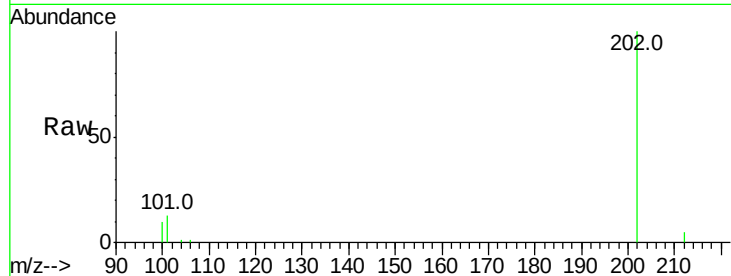




#15
 Fluoranthene
 Concen: 0.349 ng/ul
 RT: 19.30 min Scan# 2750
 Delta R.T. -0.01 min
 Lab File: BE094256.D
 Acq: 10 Oct 2017 18:12

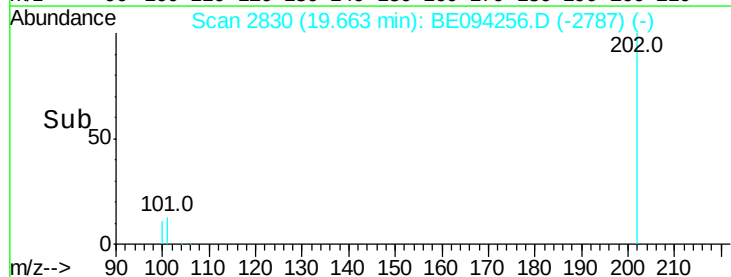
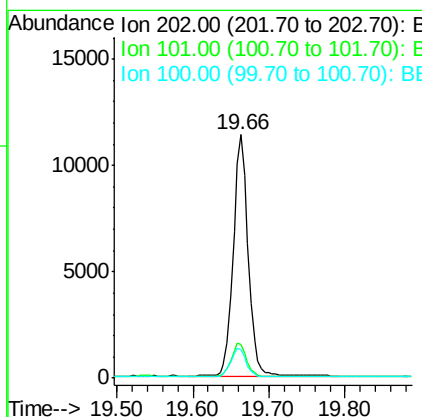
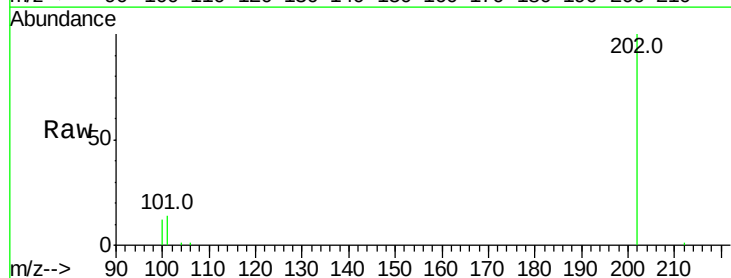
Instrument :
 BNA_E
 ClientSampleId :

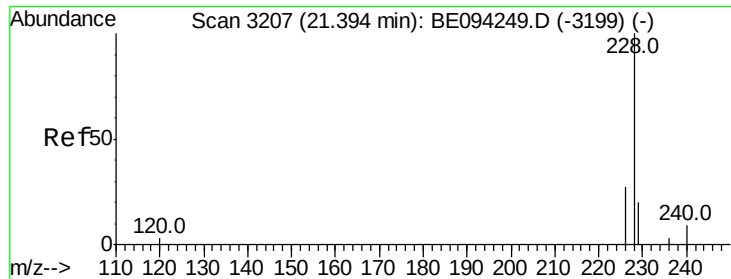
Tot Ion:202 Resp: 14693
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 30.3
 100 10.5 0.0 39.5



#17
 Pyrene
 Concen: 0.439 ng/ul
 RT: 19.66 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: BE094256.D
 Acq: 10 Oct 2017 18:12

Tgt Ion:202 Resp: 15529
 Ion Ratio Lower Upper
 202 100
 101 13.8 18.2 27.4#
 100 11.7 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.469 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

Instrument :

BNA_E

ClientSampled :

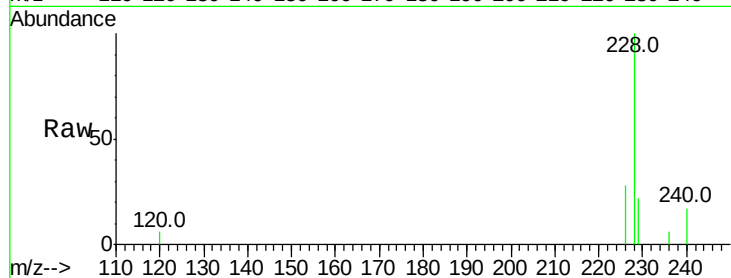
Tot Ion:228 Resp: 15825

Ion Ratio Lower Upper

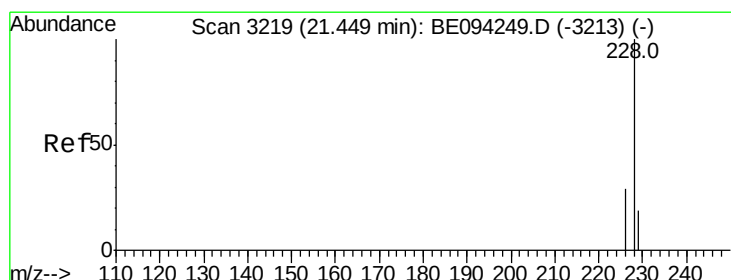
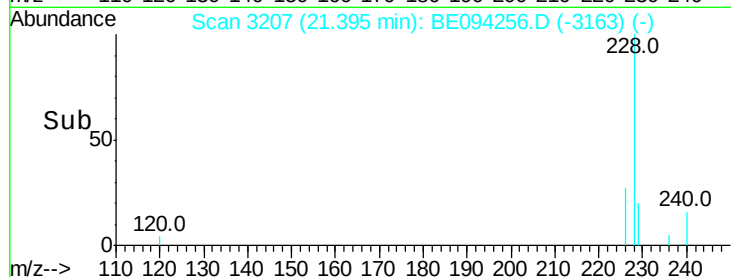
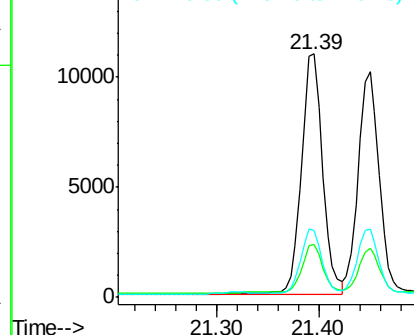
228 100

229 21.5 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: 0.375 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

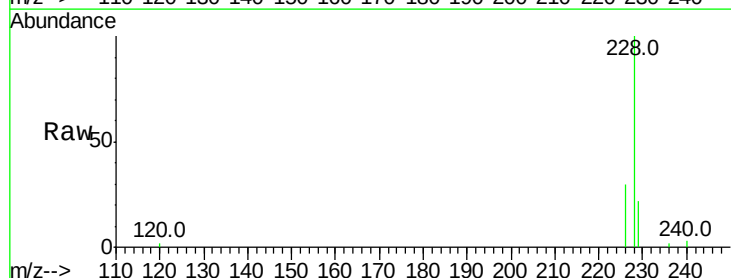
Tgt Ion:228 Resp: 14578

Ion Ratio Lower Upper

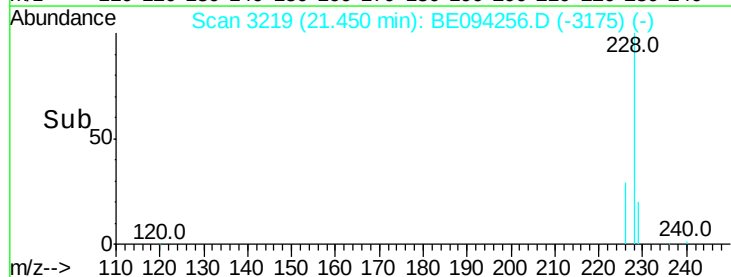
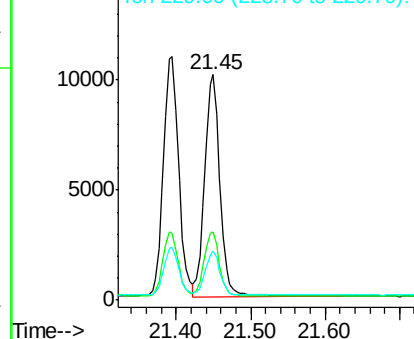
228 100

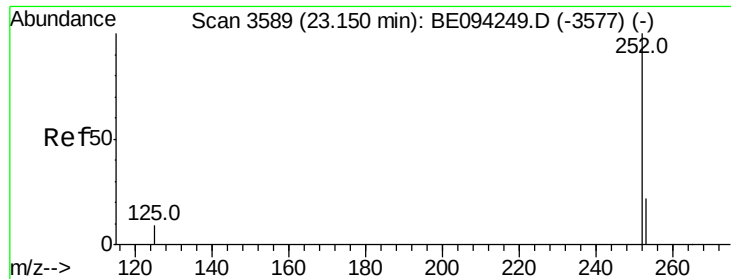
226 30.2 23.4 35.0

229 21.6 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: 0.449 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

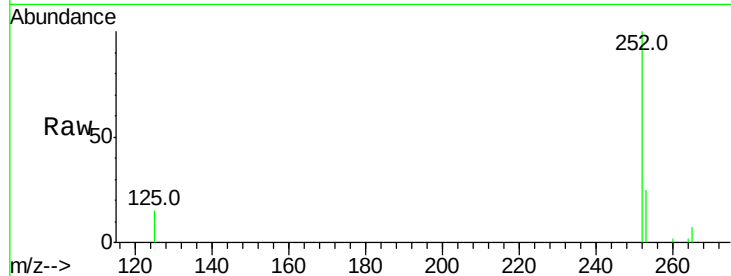
Tot Ion:252 Resp: 15120

Ion Ratio Lower Upper

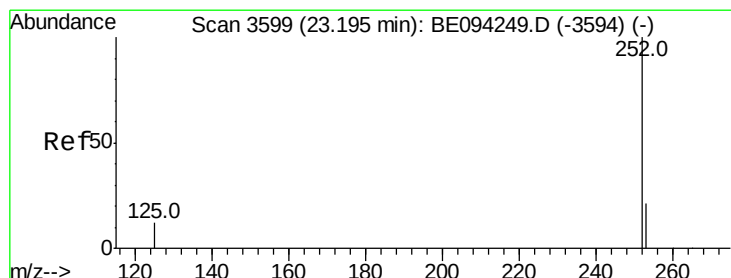
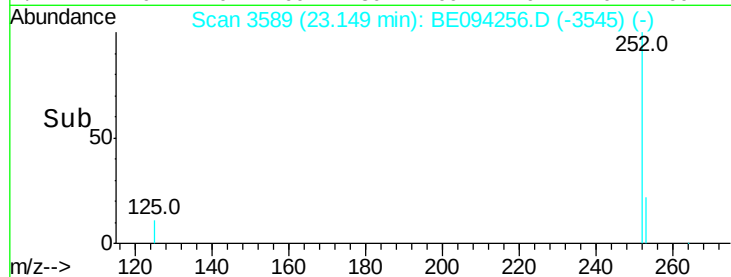
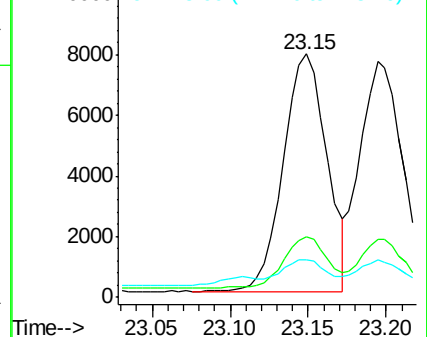
252 100

253 25.0 0.0 64.2

125 15.5 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: 0.377 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. -0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

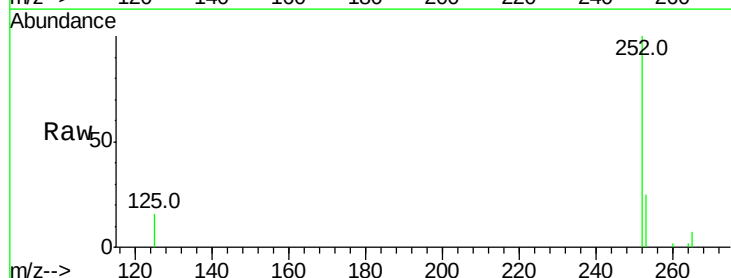
Tgt Ion:252 Resp: 14661

Ion Ratio Lower Upper

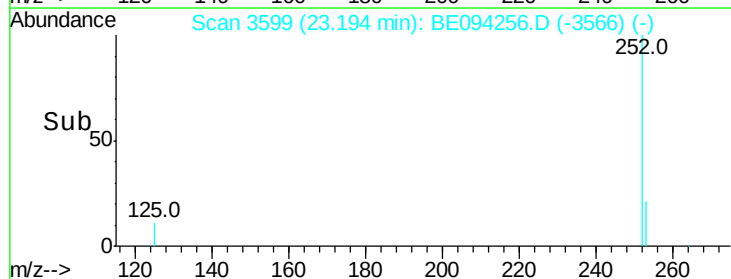
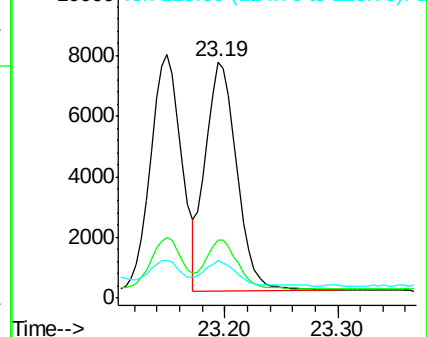
252 100

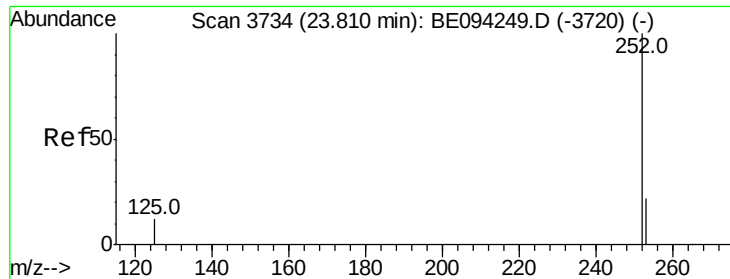
253 24.6 24.5 36.7

125 15.7 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: 0.402 ng/ul

RT: 23.81 min Scan# 3734

Delta R.T. -0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

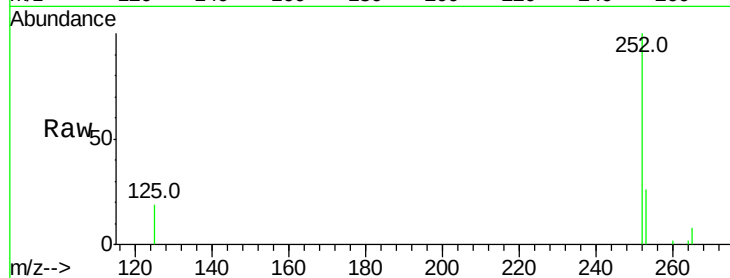
Tot Ion:252 Resp: 14052

Ion Ratio Lower Upper

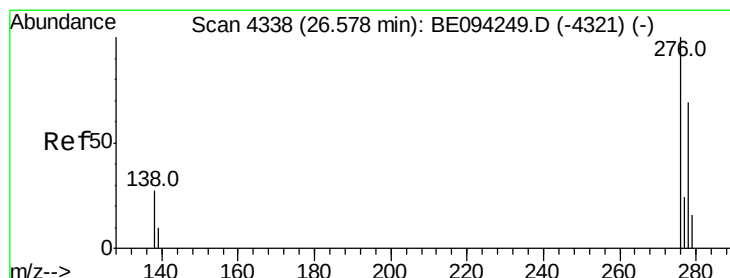
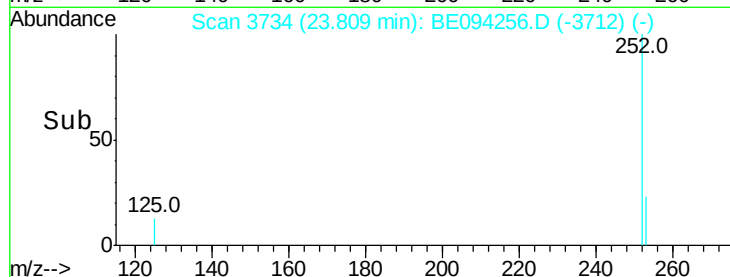
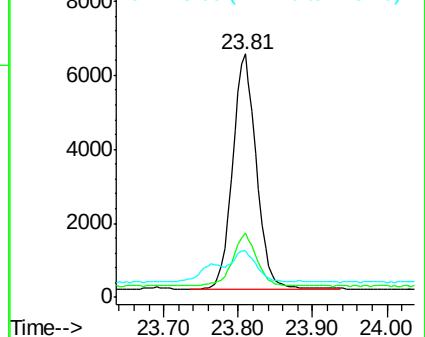
252 100

253 26.4 28.5 42.7#

125 19.0 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: 0.429 ng/ul

RT: 26.58 min Scan# 4338

Delta R.T. 0.00 min

Lab File: BE094256.D

Acq: 10 Oct 2017 18:12

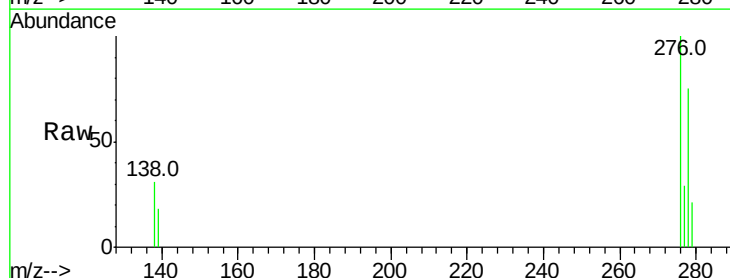
Tgt Ion:276 Resp: 15347

Ion Ratio Lower Upper

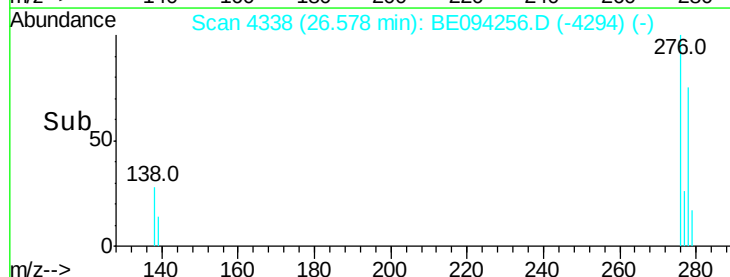
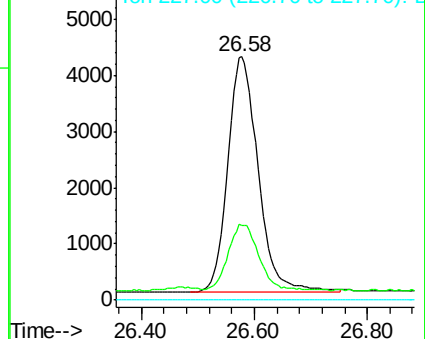
276 100

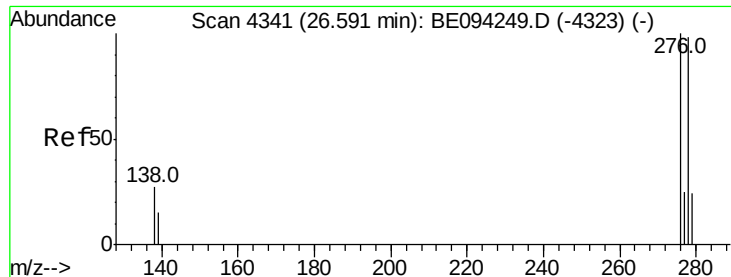
138 27.8 28.0 42.0#

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

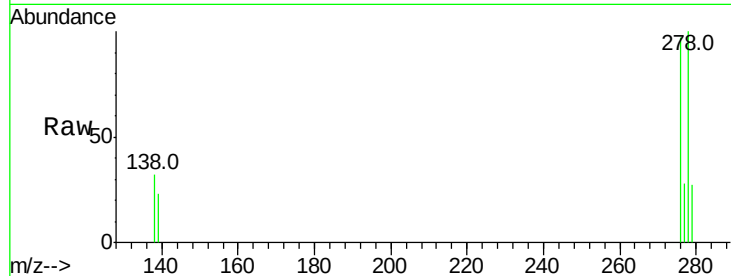




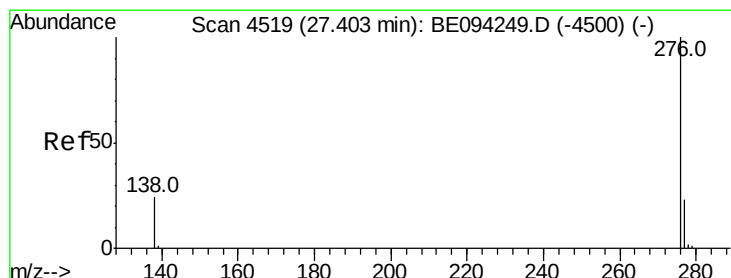
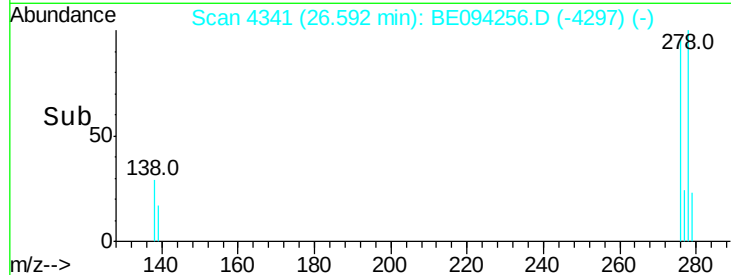
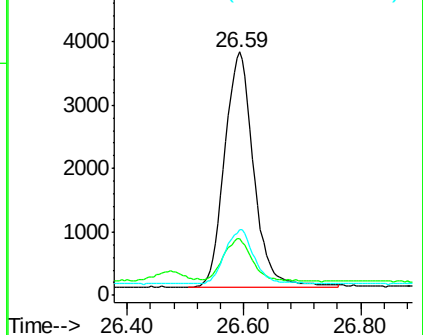
#25
Dibenzo(a,h)anthracene
Concen: 0.427 ng/ul
RT: 26.59 min Scan# 4341
Delta R.T. 0.00 min
Lab File: BE094256.D
Acq: 10 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 12812
Ion Ratio Lower Upper
278 100
139 23.1 17.4 26.0
279 27.1 25.9 38.9

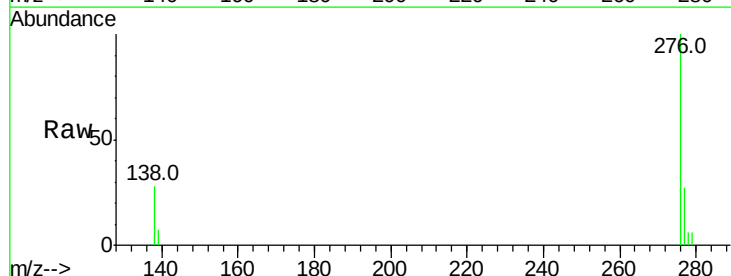


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.407 ng/ul
RT: 27.40 min Scan# 4519
Delta R.T. 0.00 min
Lab File: BE094256.D
Acq: 10 Oct 2017 18:12

Tgt Ion:276 Resp: 12547
Ion Ratio Lower Upper
276 100
138 28.0 21.8 32.8
277 26.9 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

