

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094272.D
 Acq On : 11 Oct 2017 4:03
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:35:43 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 07:23:41 2017
 Response via : Initial Calibration

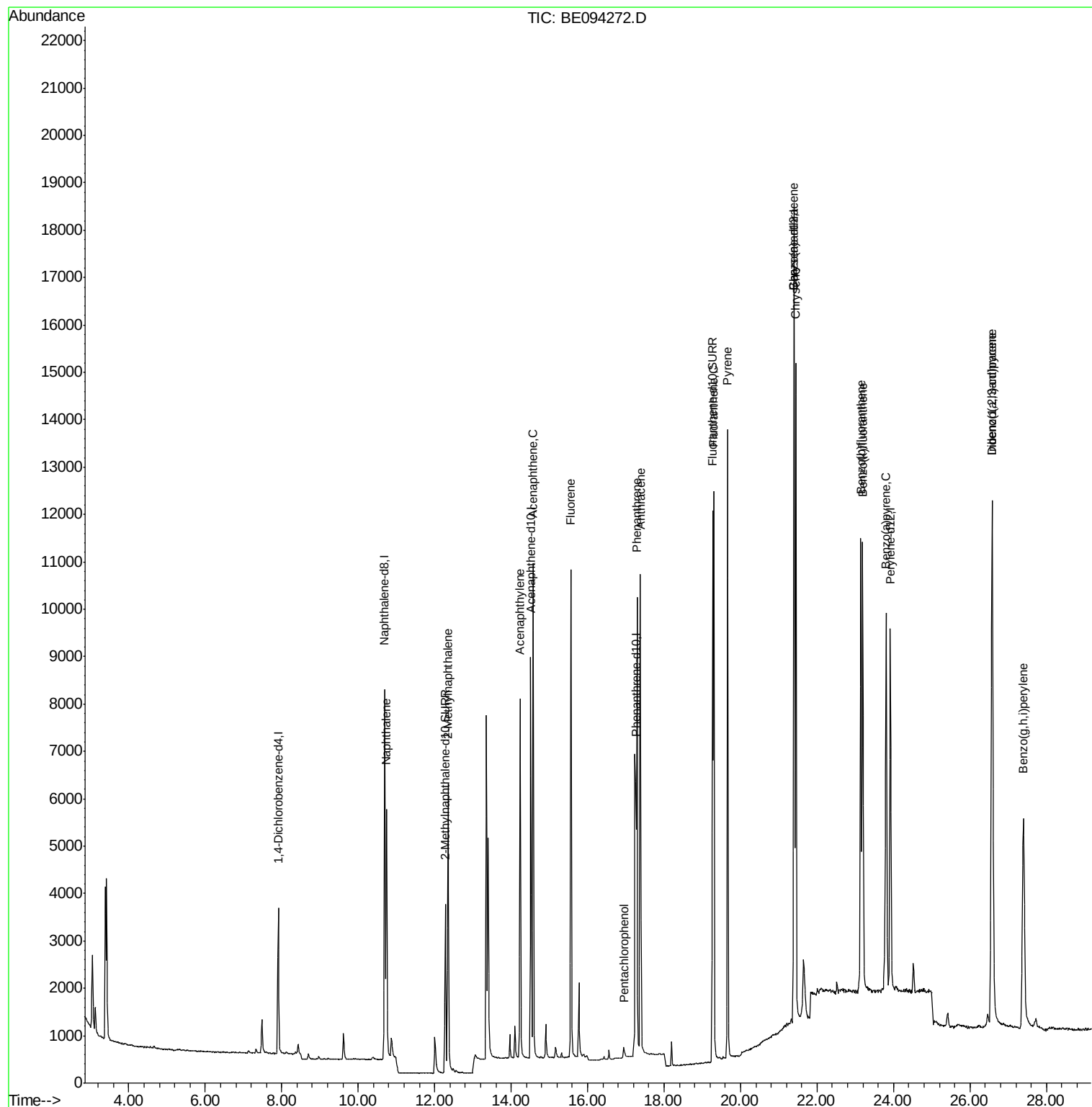
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1755	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9024	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5020	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11225	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	12117	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	11825	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	5644	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	14016	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	8702	0.394	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	5975	0.417	ng/ul	100
7) Acenaphthylene	14.24	152	9234	0.472	ng/ul	96
8) Acenaphthene	14.57	153	6513	0.404	ng/ul	96
9) Fluorene	15.56	166	7405	0.392	ng/ul#	91
11) Pentachlorophenol	16.94	266	362	0.275	ng/ul	90
12) Phenanthrene	17.29	178	11970	0.408	ng/ul#	92
13) Anthracene	17.38	178	12043	0.422	ng/ul#	91
15) Fluoranthene	19.30	202	14294	0.371	ng/ul	84
17) Pyrene	19.66	202	15176	0.450	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	14522	0.452	ng/ul#	85
19) Chrysene	21.45	228	13717	0.370	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	13977	0.435	ng/ul	92
22) Benzo(k)fluoranthene	23.19	252	13719	0.369	ng/ul	94
23) Benzo(a)pyrene	23.81	252	13393	0.401	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.58	276	14907	0.437	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.58	278	12320	0.430	ng/ul	93
26) Benzo(g,h,i)perylene	27.40	276	12037	0.409	ng/ul	96

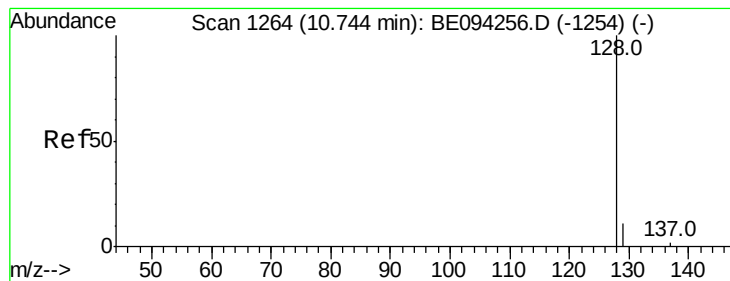
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE094272.D

Acq: 11 Oct 2017 4:03

Instrument :

BNA_E

ClientSampleId :

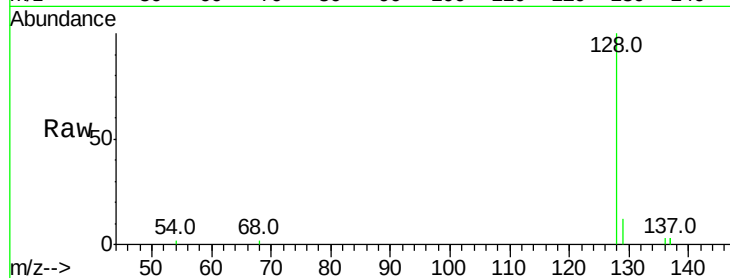
Tot Ion:128 Resp: 8702

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

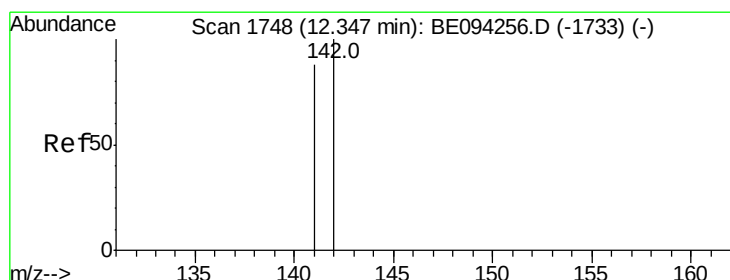
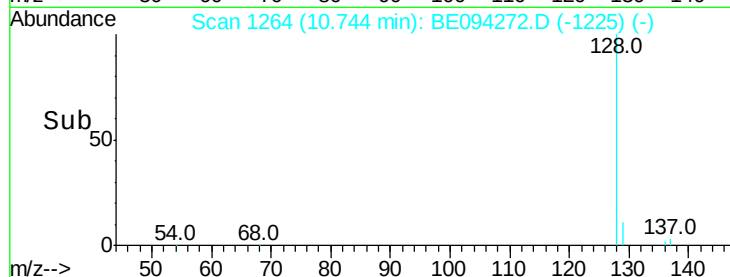
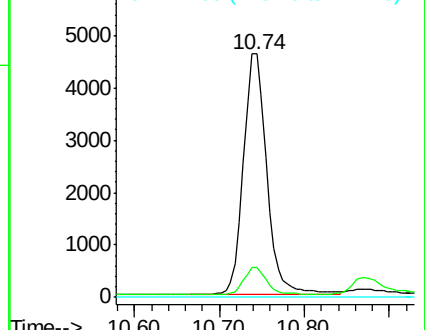
127 0.0 4.0 6.0#



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. 0.00 min

Lab File: BE094272.D

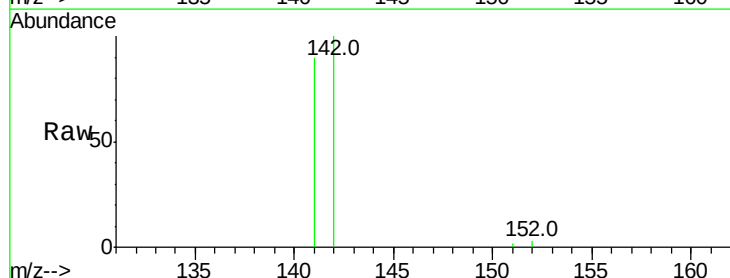
Acq: 11 Oct 2017 4:03

Tgt Ion:142 Resp: 5975

Ion Ratio Lower Upper

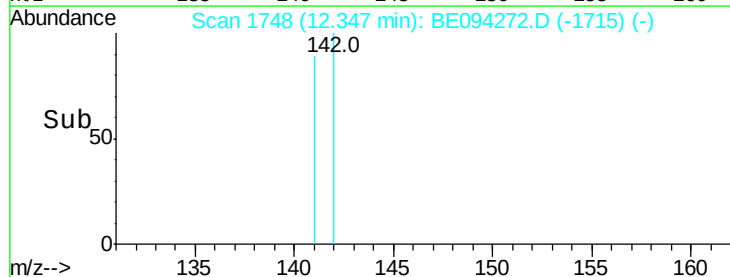
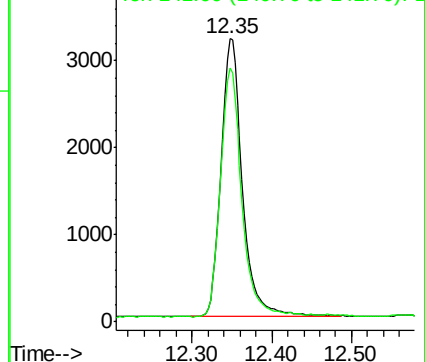
142 100

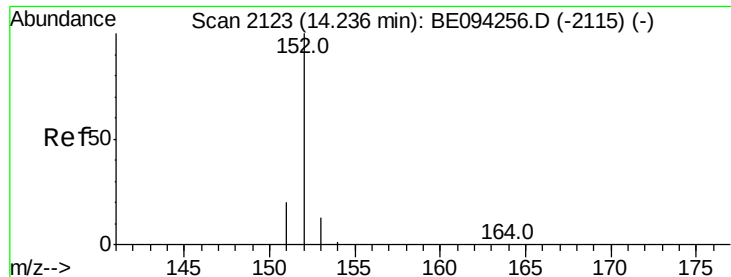
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.472 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

Instrument :

BNA_E

ClientSampleId :

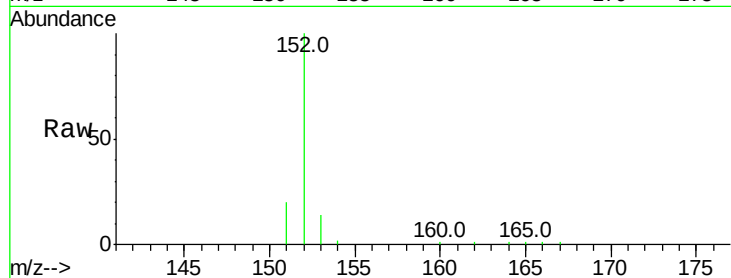
Tot Ion:152 Resp: 9234

Ion Ratio Lower Upper

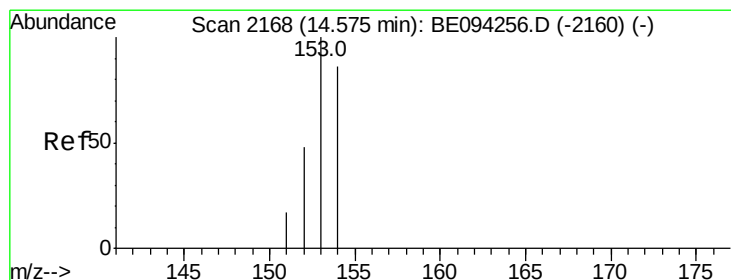
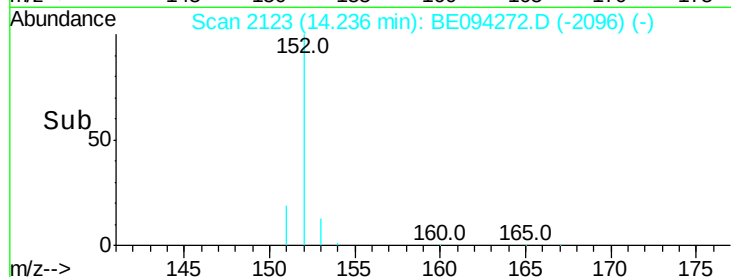
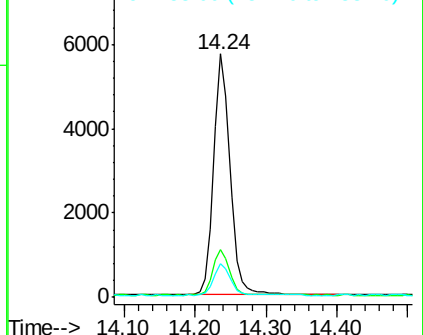
152 100

151 19.8 17.1 25.7

153 13.7 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: 0.404 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

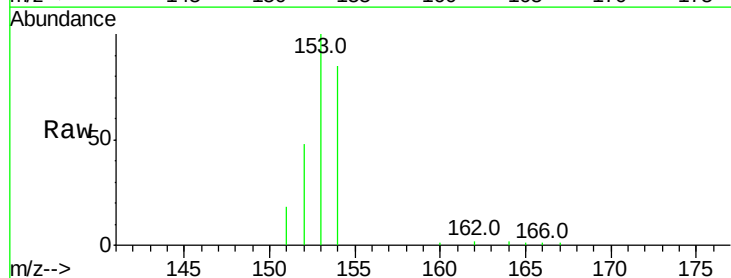
Tgt Ion:153 Resp: 6513

Ion Ratio Lower Upper

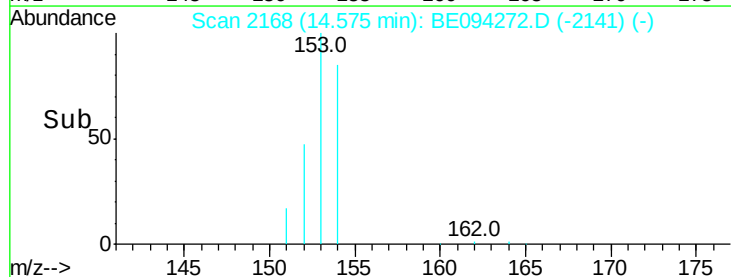
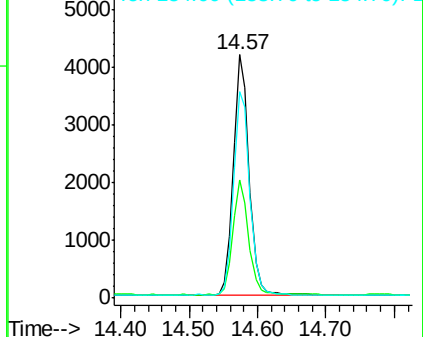
153 100

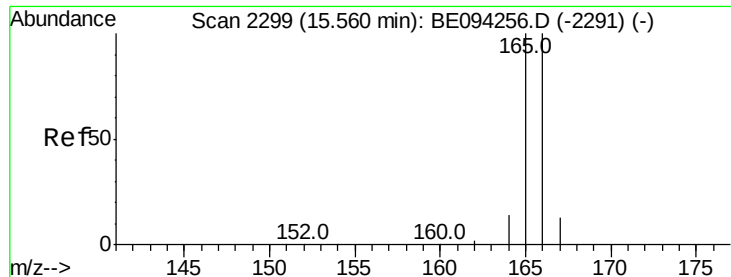
152 48.4 40.3 60.5

154 85.0 71.4 107.2



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: 0.392 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

Instrument :

BNA_E

ClientSampleId :

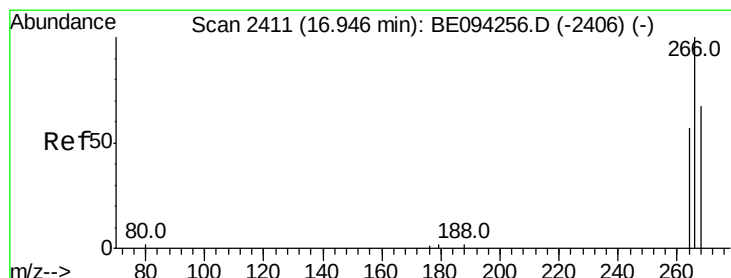
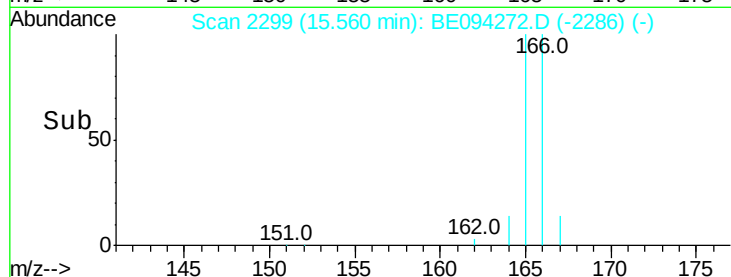
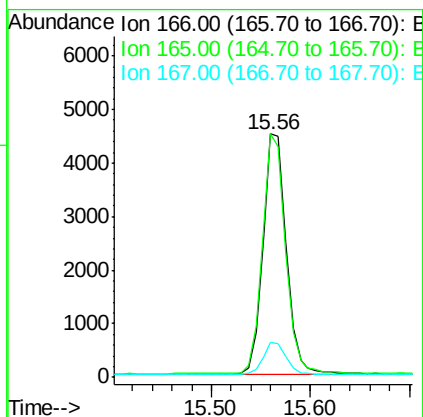
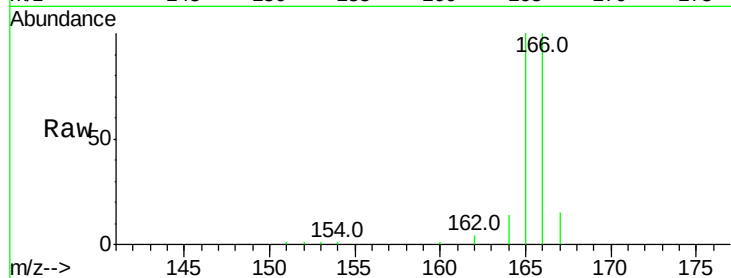
Tot Ion:166 Resp: 7405

Ion Ratio Lower Upper

166 100

165 100.2 73.4 110.2

167 14.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.275 ng/ul

RT: 16.94 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

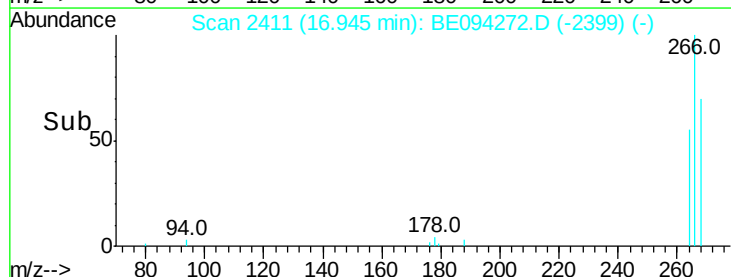
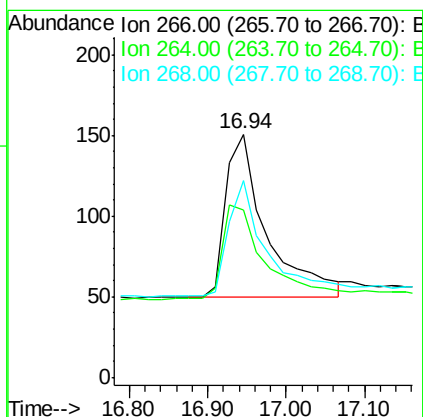
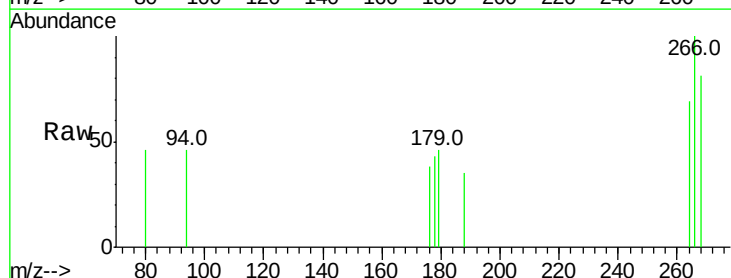
Tgt Ion:266 Resp: 362

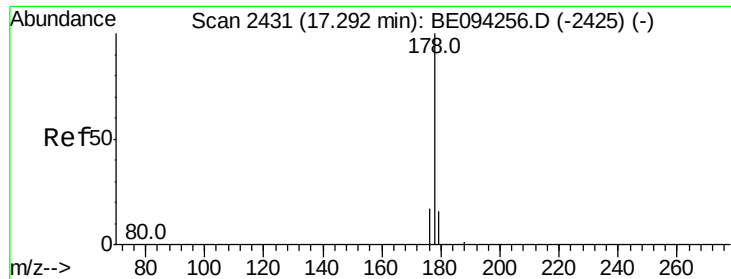
Ion Ratio Lower Upper

266 100

264 64.9 47.9 71.9

268 71.8 49.8 74.8





#12

Phenanthrene

Concen: 0.408 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

Instrument :

BNA_E

ClientSampleId :

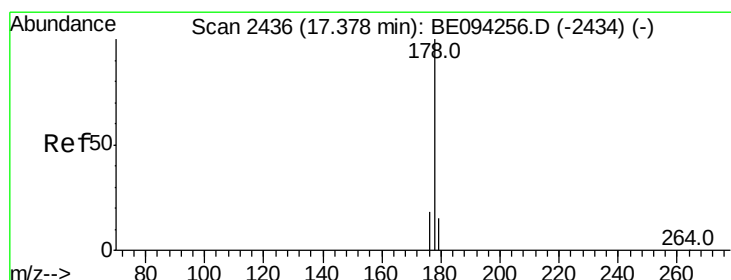
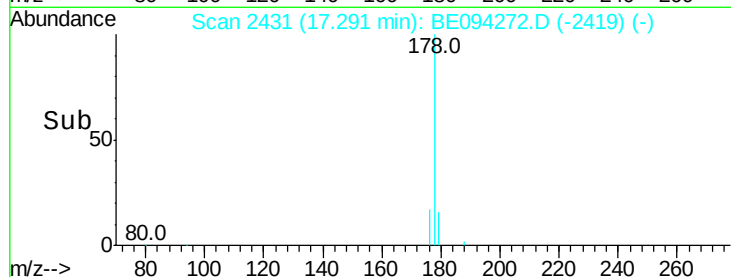
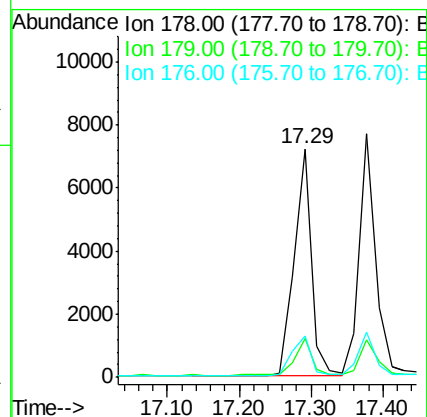
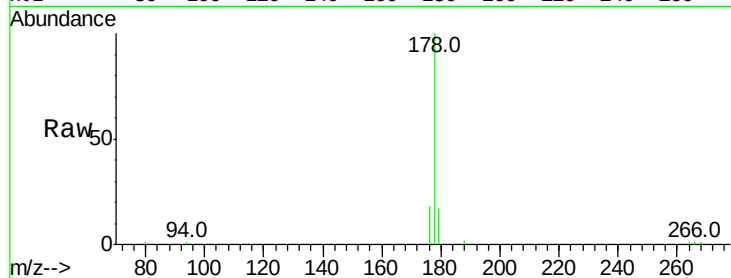
Tot Ion:178 Resp: 11970

Ion Ratio Lower Upper

178 100

179 16.9 18.4 27.6#

176 17.9 13.6 20.4



#13

Anthracene

Concen: 0.422 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

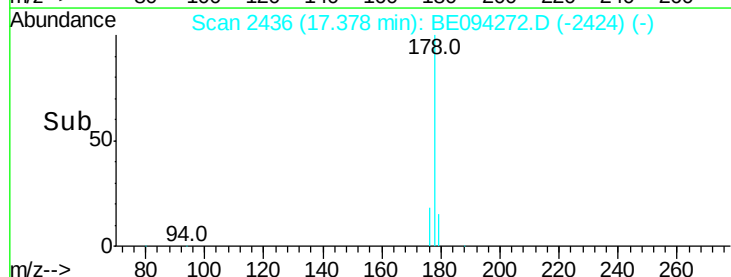
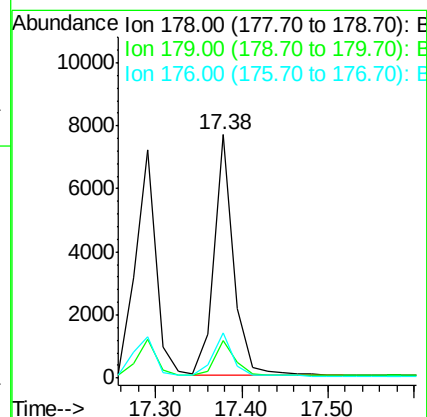
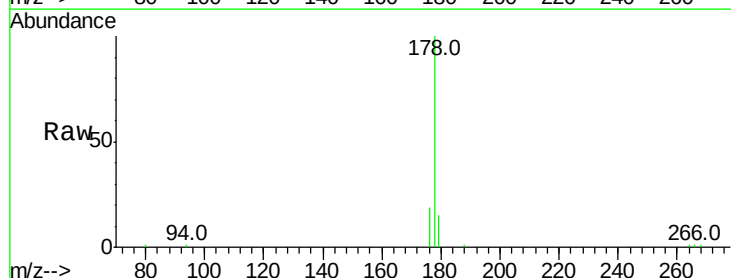
Tgt Ion:178 Resp: 12043

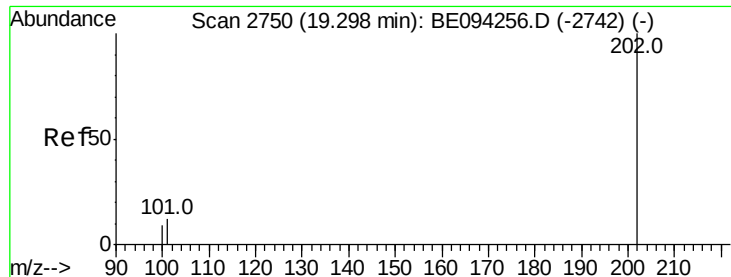
Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

176 18.8 14.7 22.1

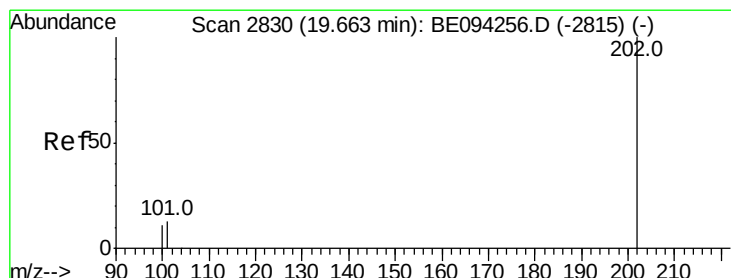
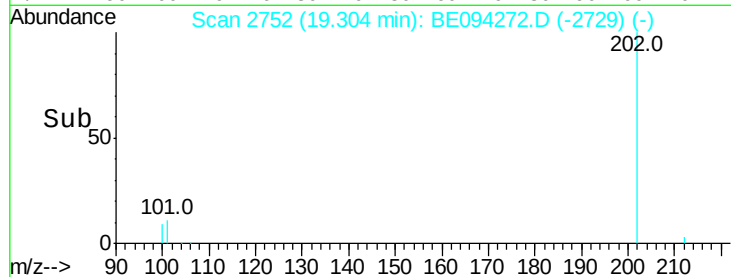
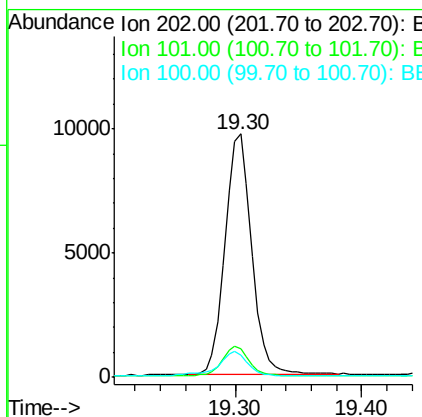
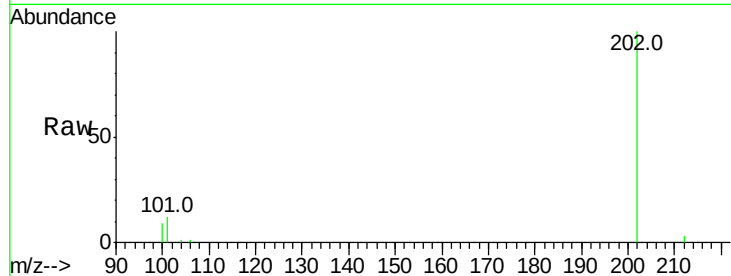




#15
Fluoranthene
 Concen: 0.371 ng/ul
 RT: 19.30 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BE094272.D
 Acq: 11 Oct 2017 4:03

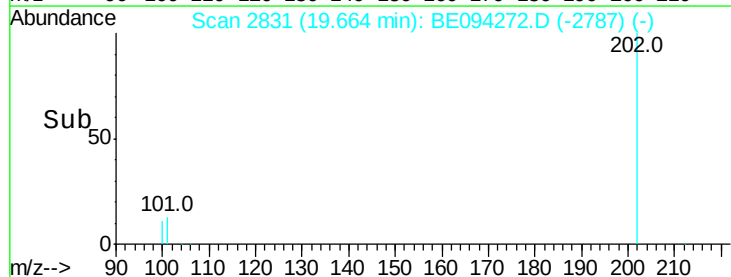
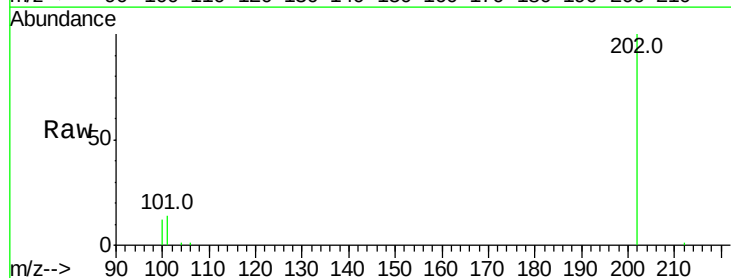
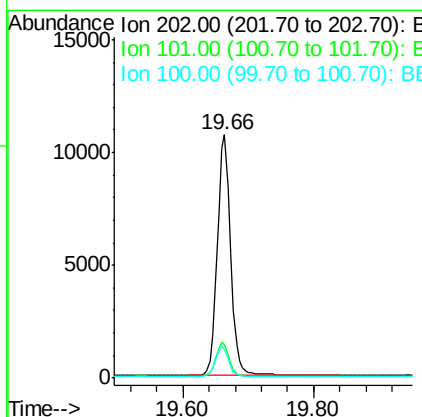
Instrument :
 BNA_E
 ClientSampleId :

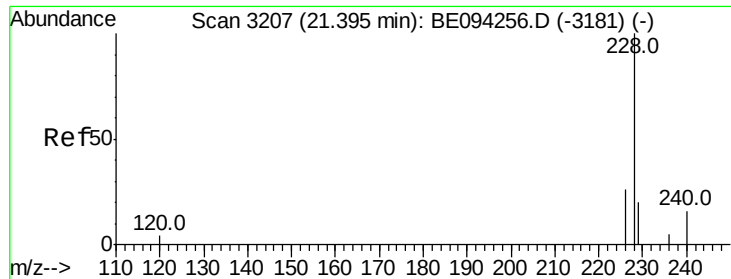
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	30.3
100	9.3	0.0	39.5



#17
Pyrene
 Concen: 0.450 ng/ul
 RT: 19.66 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: BE094272.D
 Acq: 11 Oct 2017 4:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	18.2	27.4#
100	11.5	15.6	23.4#

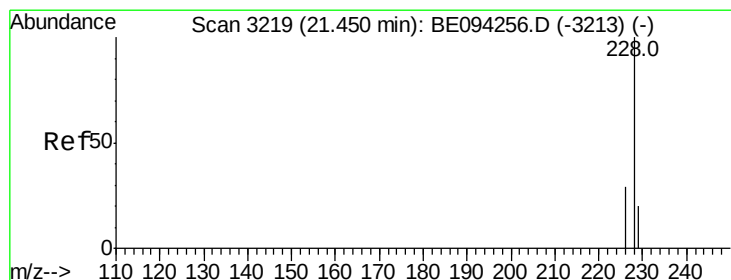
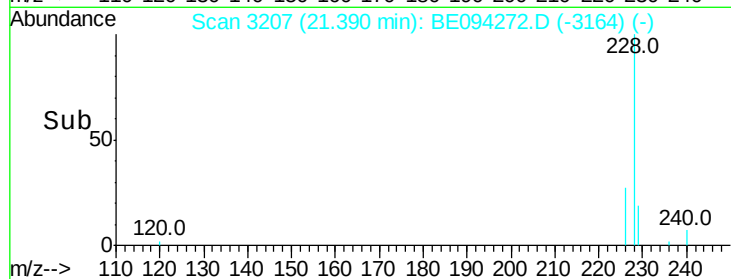
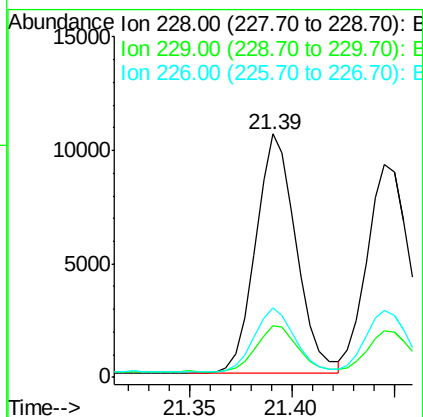
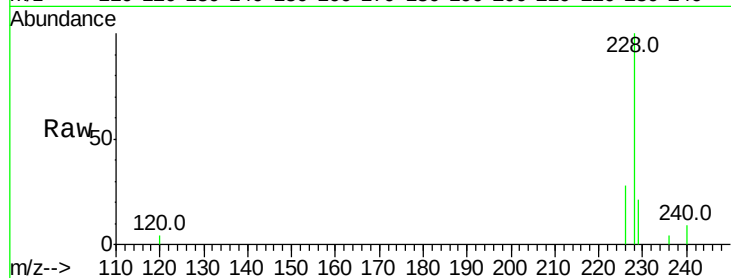




#18
Benzo(a)anthracene
Concen: 0.452 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BE094272.D
Acq: 11 Oct 2017 4:03

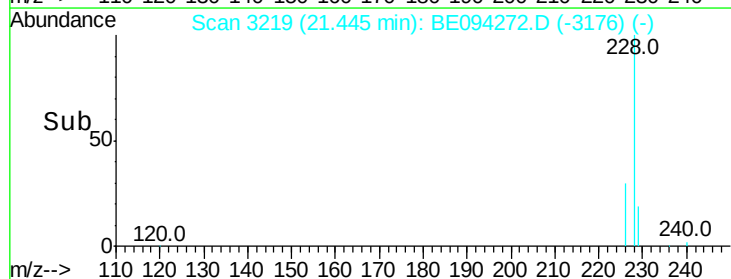
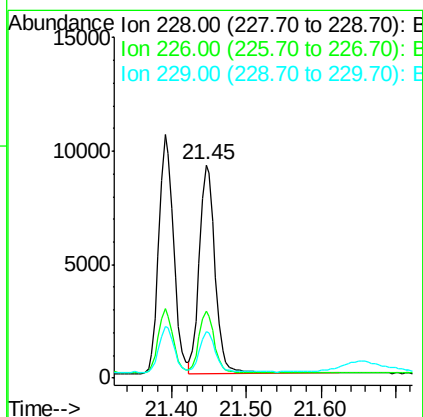
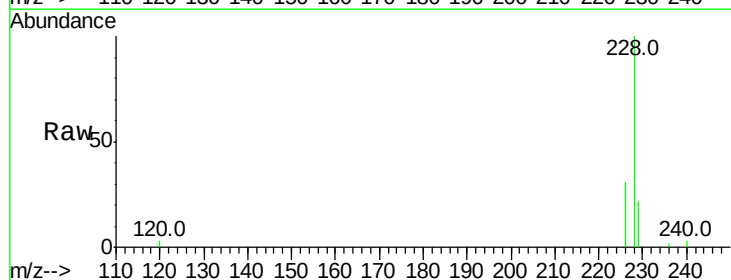
Instrument :
BNA_E
ClientSampleId :

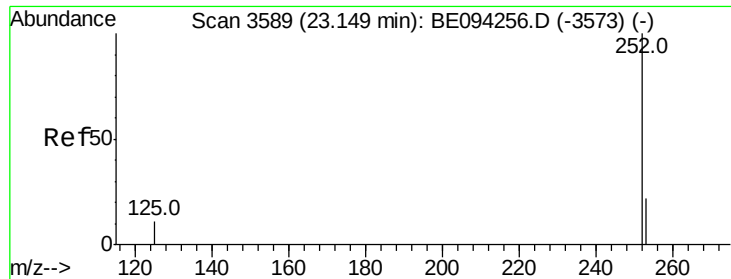
Tot Ion:228 Resp: 14522
Ion Ratio Lower Upper
228 100
229 21.1 22.8 34.2#
226 28.5 17.0 25.6#



#19
Chrysene
Concen: 0.370 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. -0.00 min
Lab File: BE094272.D
Acq: 11 Oct 2017 4:03

Tgt Ion:228 Resp: 13717
Ion Ratio Lower Upper
228 100
226 31.5 23.4 35.0
229 21.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.435 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

Instrument :

BNA_E

ClientSampleId :

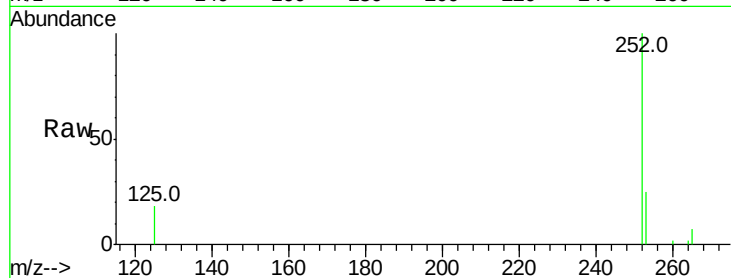
Tot Ion:252 Resp: 13977

Ion Ratio Lower Upper

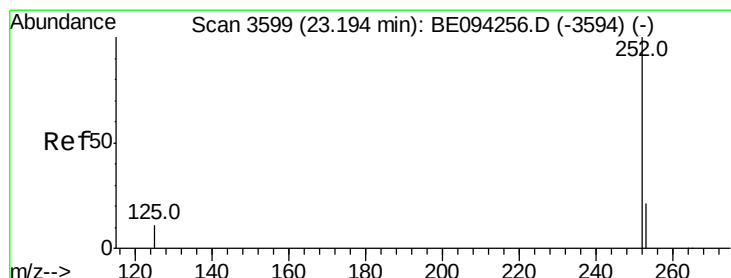
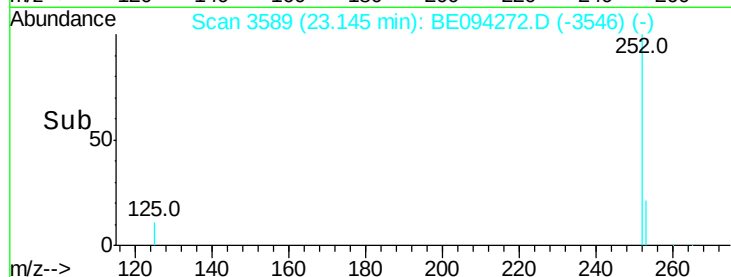
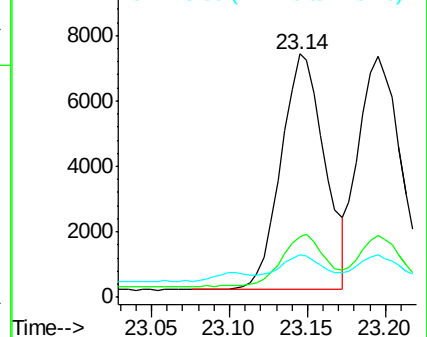
252 100

253 25.1 0.0 64.2

125 17.5 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: 0.369 ng/ul

RT: 23.19 min Scan# 3600

Delta R.T. 0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

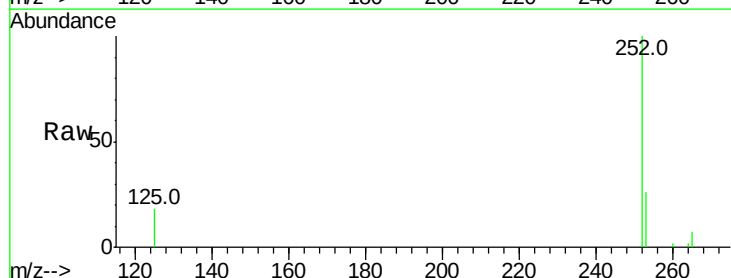
Tgt Ion:252 Resp: 13719

Ion Ratio Lower Upper

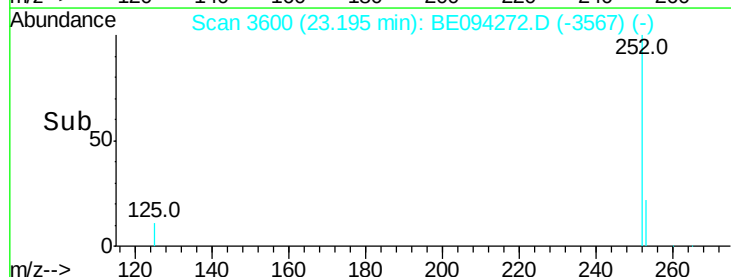
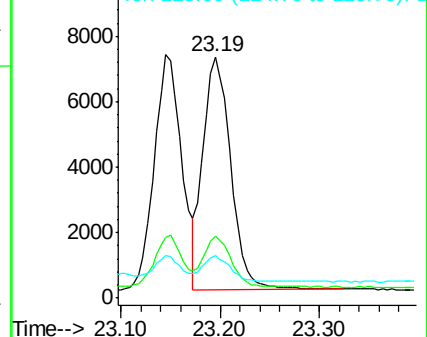
252 100

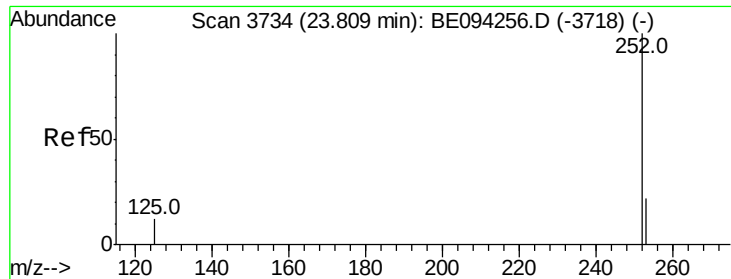
253 25.6 24.5 36.7

125 17.7 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: 0.401 ng/ul

RT: 23.81 min Scan# 3735

Delta R.T. 0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

Instrument :

BNA_E

ClientSampleId :

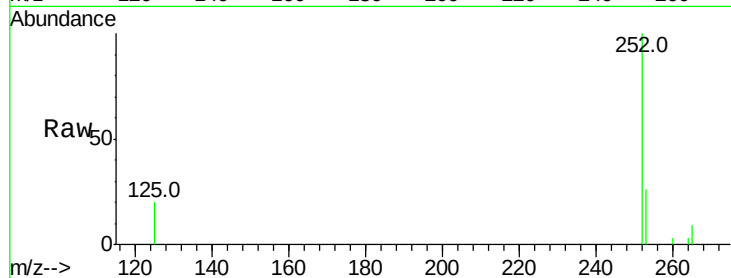
Tot Ion:252 Resp: 13393

Ion Ratio Lower Upper

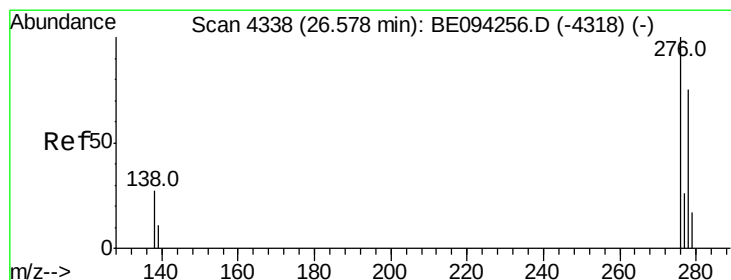
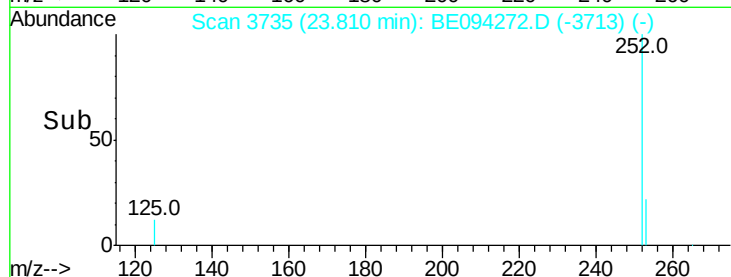
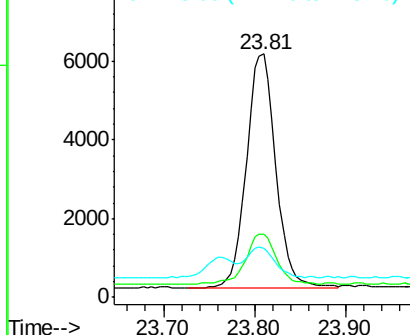
252 100

253 26.2 28.5 42.7#

125 20.2 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: 0.437 ng/ul

RT: 26.58 min Scan# 4339

Delta R.T. -0.00 min

Lab File: BE094272.D

Acq: 11 Oct 2017 4:03

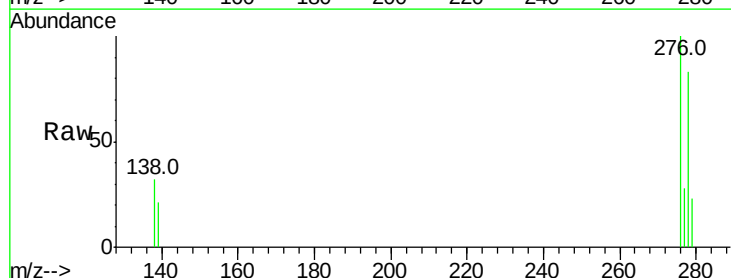
Tgt Ion:276 Resp: 14907

Ion Ratio Lower Upper

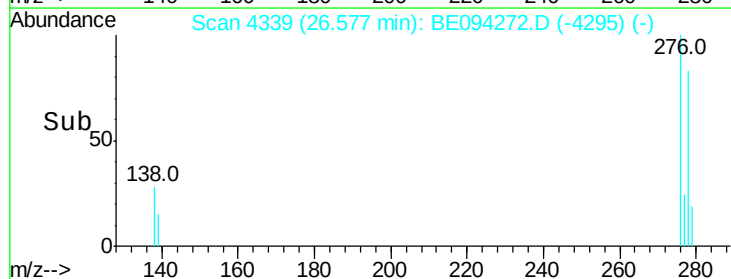
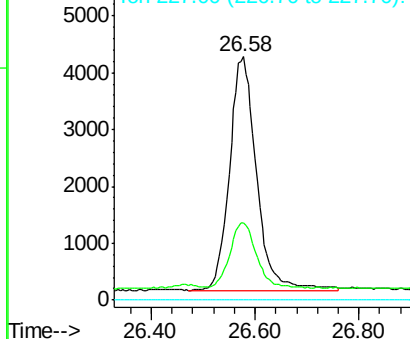
276 100

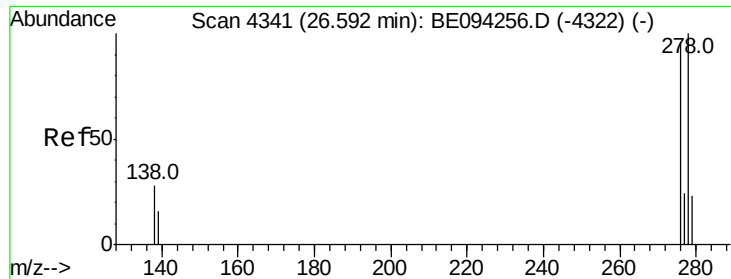
138 27.4 28.0 42.0#

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

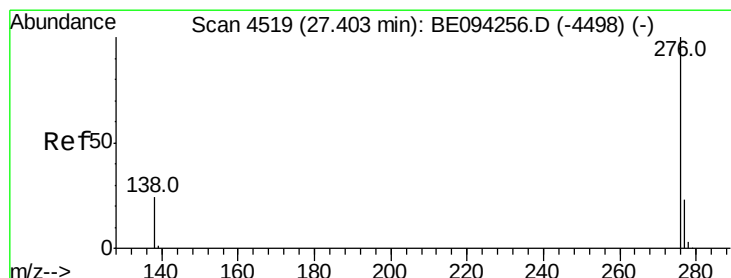
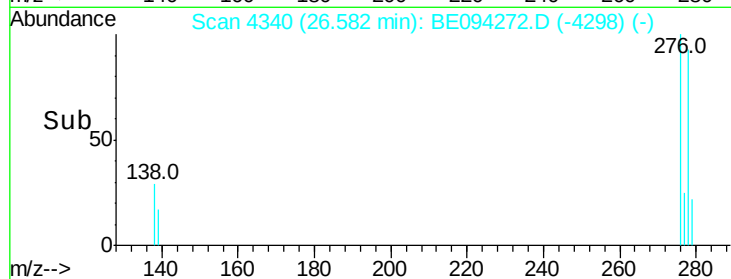
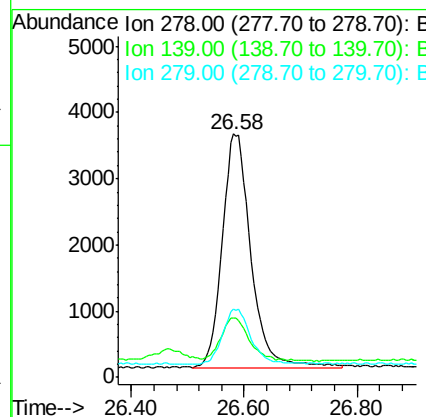
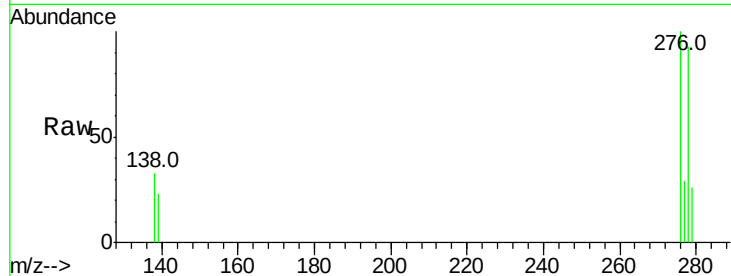




#25
Dibenzo(a,h)anthracene
Concen: 0.430 ng/ul
RT: 26.58 min Scan# 4340
Delta R.T. -0.01 min
Lab File: BE094272.D
Acq: 11 Oct 2017 4:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 12320
Ion Ratio Lower Upper
278 100
139 24.5 17.4 26.0
279 28.2 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.409 ng/ul
RT: 27.40 min Scan# 4519
Delta R.T. -0.01 min
Lab File: BE094272.D
Acq: 11 Oct 2017 4:03

Tgt Ion:276 Resp: 12037
Ion Ratio Lower Upper
276 100
138 29.2 21.8 32.8
277 27.9 20.5 30.7

