

Data File : BE098013.D
Acq On : 22 Oct 2018 17:28
Operator : SJ/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.459

Quant Time: Oct 23 01:28:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE101018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 01:24:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1567	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	7541	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	5261	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	13166	0.40	ng/ul	0.00
16) Chrysene-d12	21.48	240	17116	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	14777	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	5111	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	15929	0.37	ng/ul	0.00

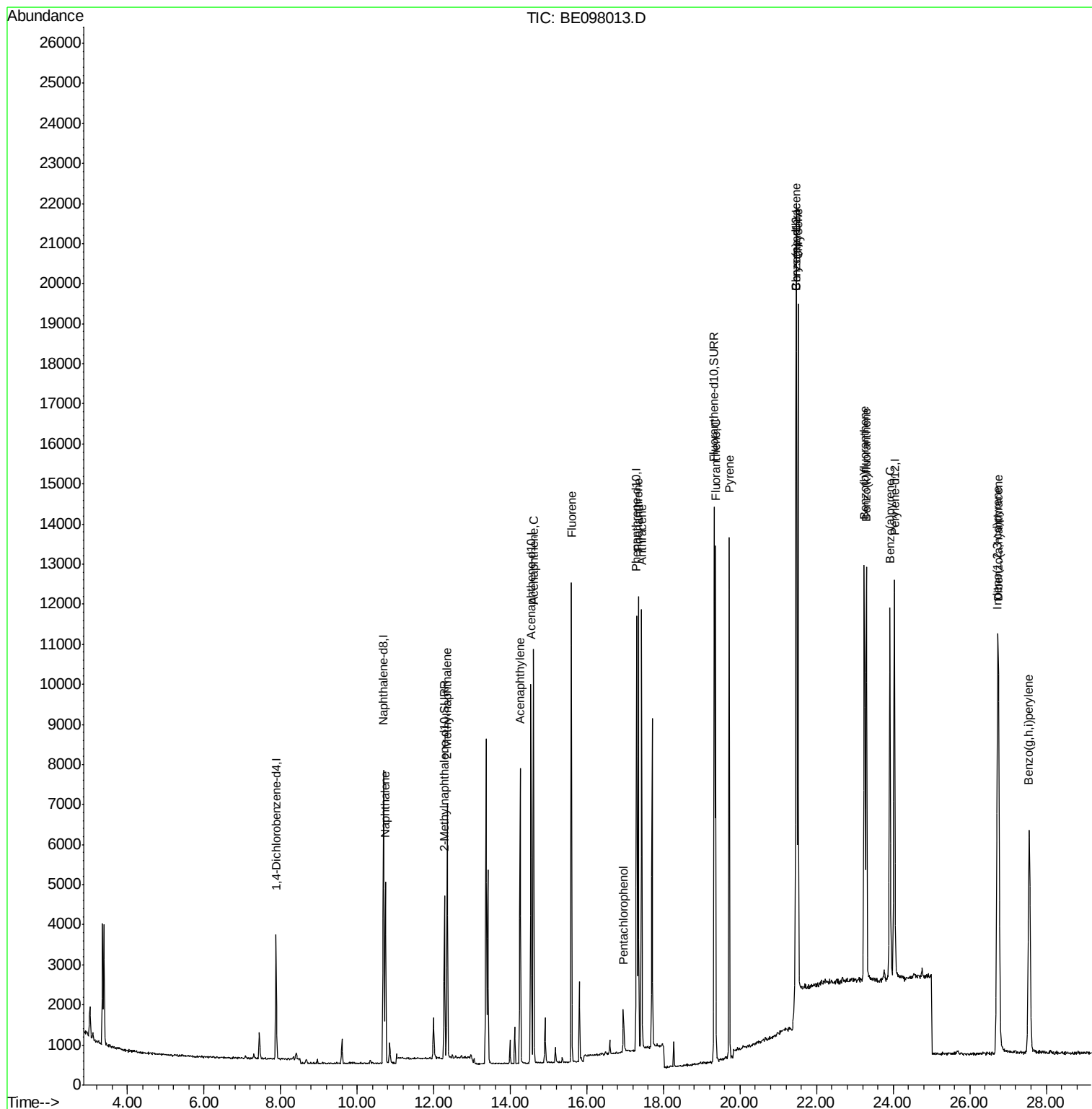
Target Compounds						Qvalue
3) Naphthalene	10.73	128	6996	0.385	ng/ul	99
5) 2-Methylnaphthalene	12.35	142	5222	0.433	ng/ul	97
7) Acenaphthylene	14.26	152	8176	0.441	ng/ul	98
8) Acenaphthene	14.60	153	6004	0.389	ng/ul	97
9) Fluorene	15.59	166	7211	0.387	ng/ul	100
11) Pentachlorophenol	16.96	266	656	0.546	ng/ul	96
12) Phenanthrene	17.34	178	11782	0.375	ng/ul	100
13) Anthracene	17.43	178	11716	0.439	ng/ul	100
15) Fluoranthene	19.36	202	14571	0.351	ng/ul	99
17) Pyrene	19.72	202	16998	0.404	ng/ul	99
18) Benzo(a)anthracene	21.46	228	19206	0.404	ng/ul	99
19) Chrysene	21.51	228	15447	0.337	ng/ul	97
21) Benzo(b)fluoranthene	23.24	252	15548	0.407	ng/ul	97
22) Benzo(k)fluoranthene	23.30	252	15047	0.348	ng/ul	95
23) Benzo(a)pyrene	23.91	252	14810	0.424	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	26.72	276	17256	0.435	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.75	278	14260	0.430	ng/ul	96
26) Benzo(g,h,i)perylene	27.55	276	14528	0.388	ng/ul	97

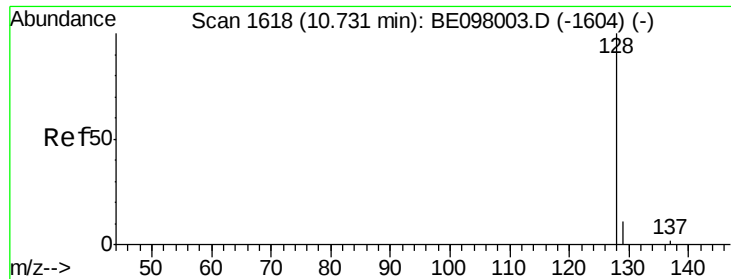
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.385 ng/ul

RT: 10.73 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.459

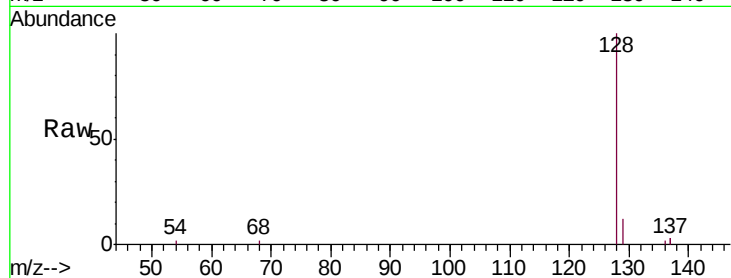
Tgt Ion:128 Resp: 6996

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

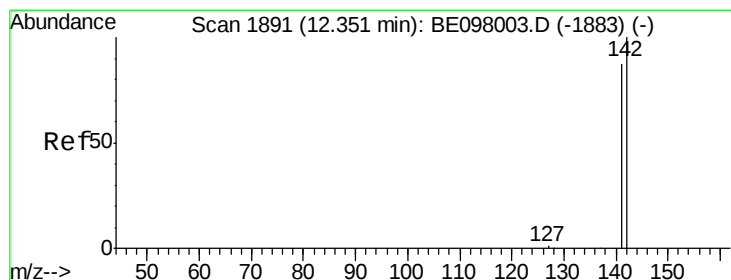
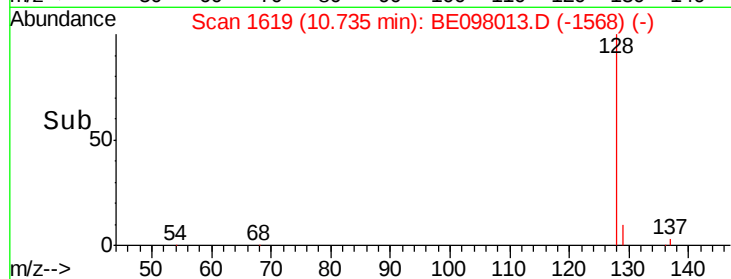
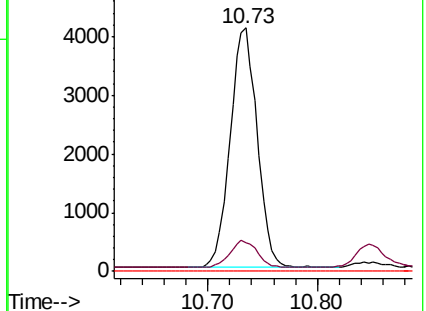
127 0.0 0.0 0.0



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: 0.433 ng/ul

RT: 12.35 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BE098013.D

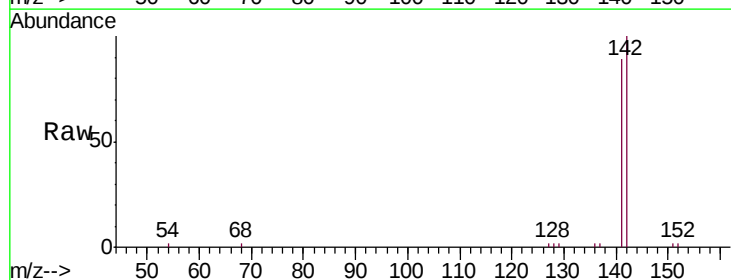
Acq: 22 Oct 2018 17:28

Tgt Ion:142 Resp: 5222

Ion Ratio Lower Upper

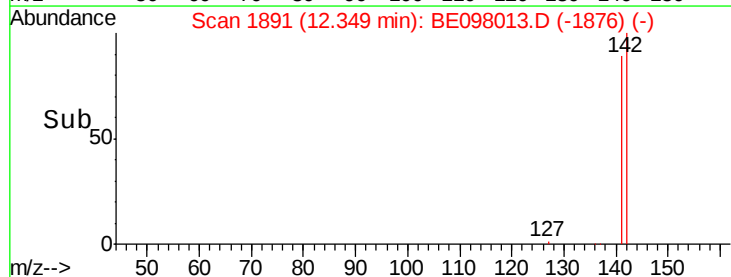
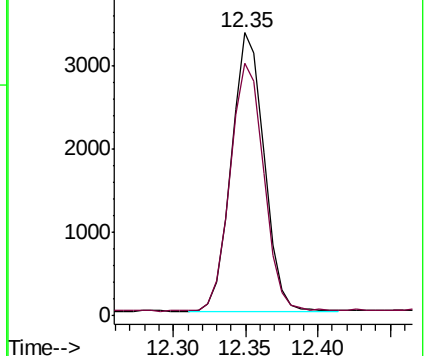
142 100

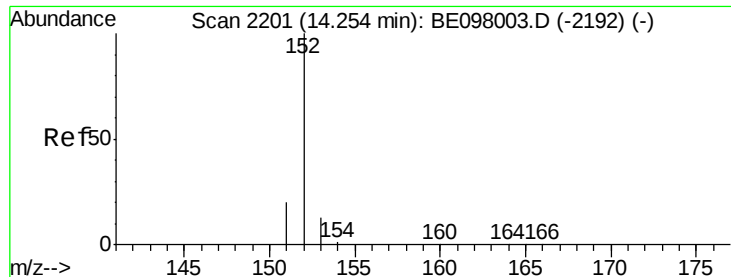
141 92.2 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.441 ng/ul

RT: 14.26 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.459

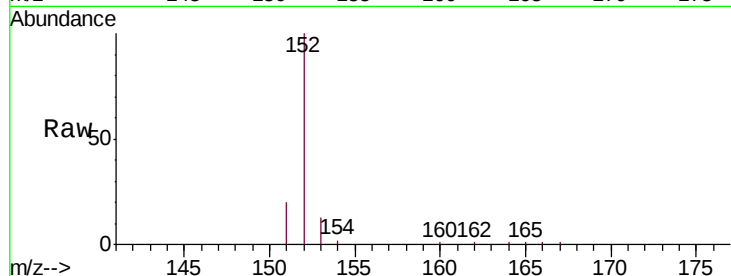
Tgt Ion:152 Resp: 8176

Ion Ratio Lower Upper

152 100

151 20.2 15.0 22.6

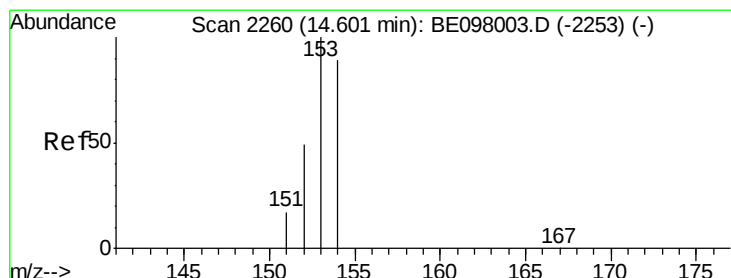
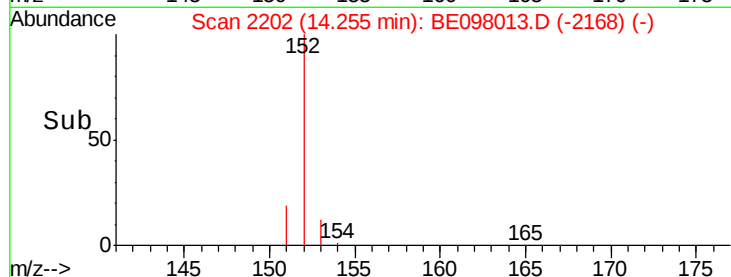
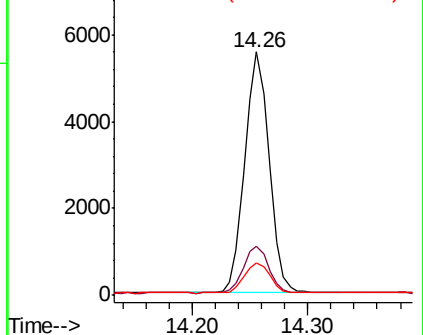
153 13.2 10.5 15.7



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: 0.389 ng/ul

RT: 14.60 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

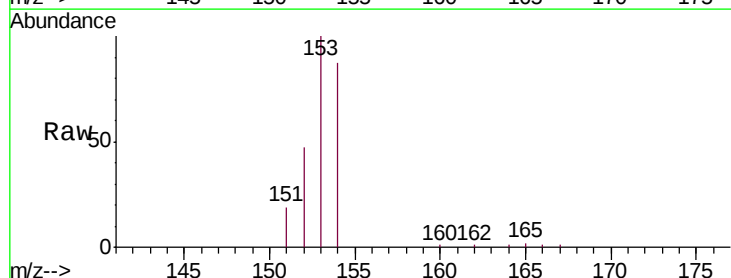
Tgt Ion:153 Resp: 6004

Ion Ratio Lower Upper

153 100

152 46.9 41.2 61.8

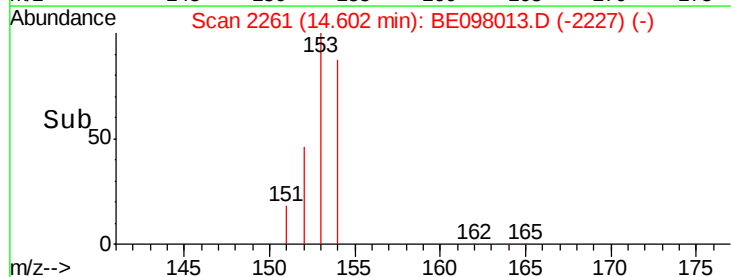
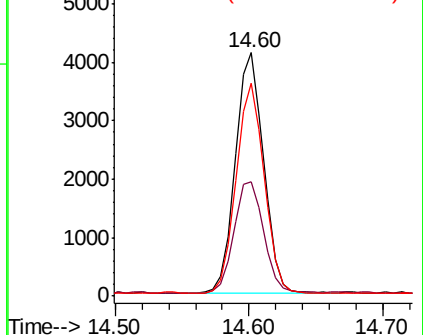
154 87.2 68.6 103.0

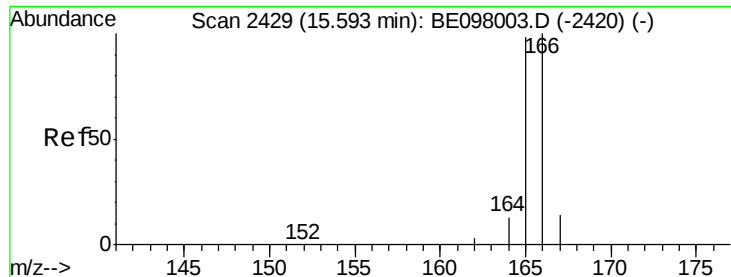


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.387 ng/ul

RT: 15.59 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.459

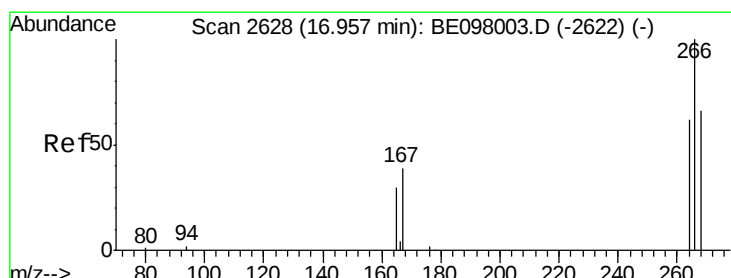
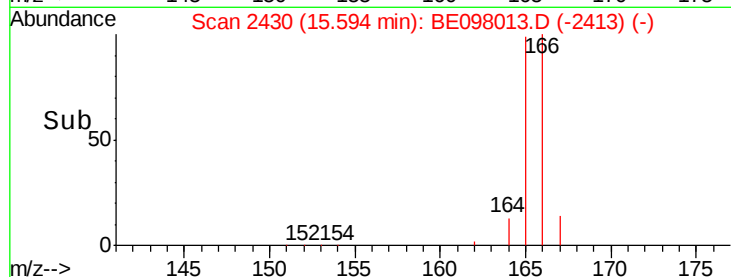
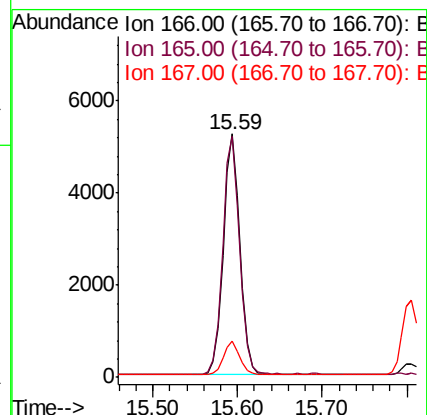
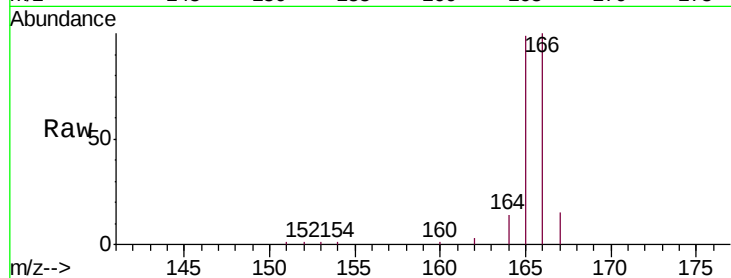
Tgt Ion:166 Resp: 7211

Ion Ratio Lower Upper

166 100

165 99.0 79.2 118.8

167 14.7 11.3 16.9



#11

Pentachlorophenol

Concen: 0.546 ng/ul

RT: 16.96 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

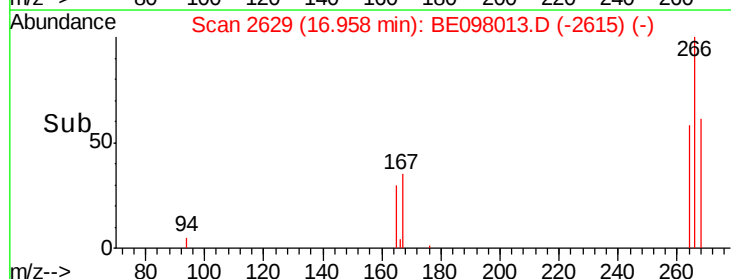
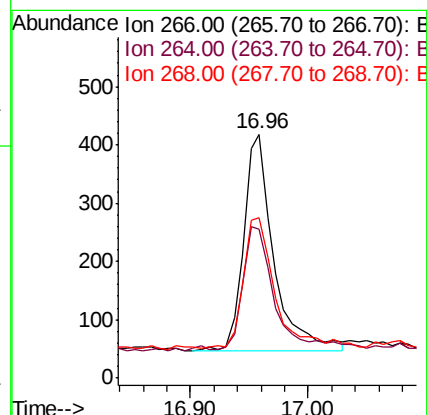
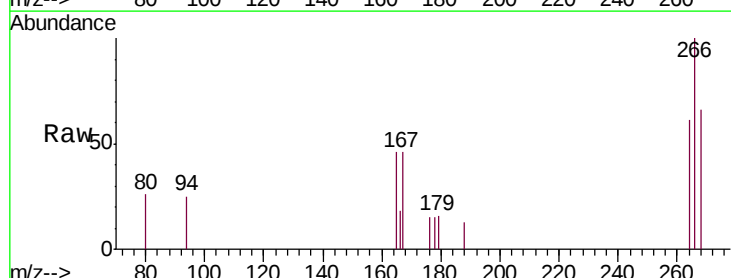
Tgt Ion:266 Resp: 656

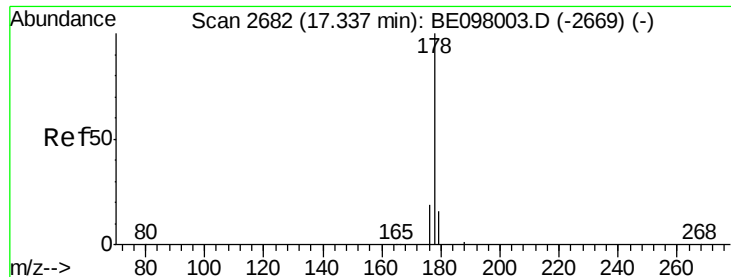
Ion Ratio Lower Upper

266 100

264 58.5 49.8 74.8

268 63.4 48.4 72.6





#12

Phenanthrene

Concen: 0.375 ng/ul

RT: 17.34 min Scan# 2683

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.459

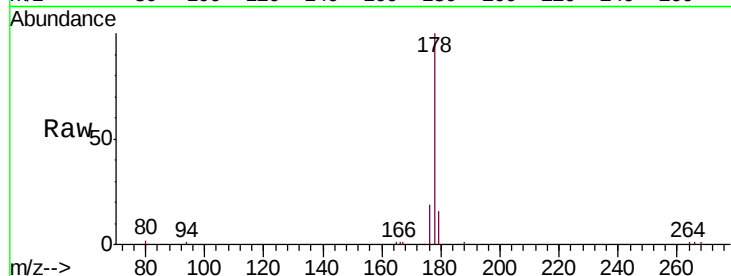
Tgt Ion:178 Resp: 11782

Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

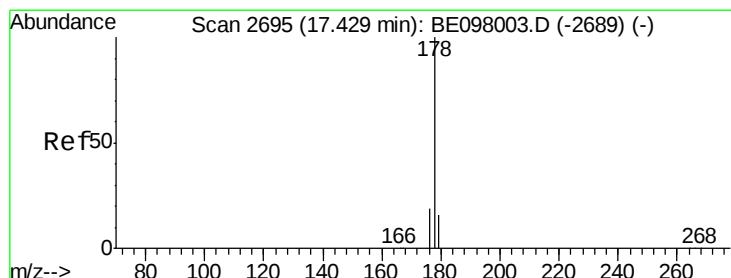
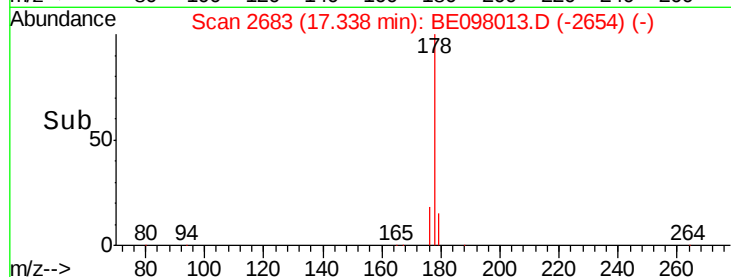
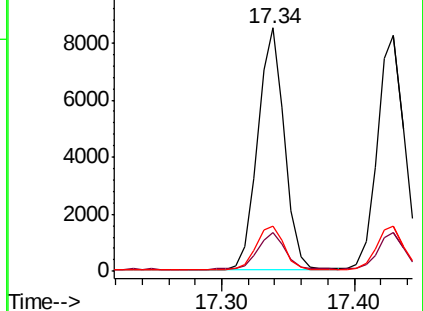
176 18.8 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.439 ng/ul

RT: 17.43 min Scan# 2696

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

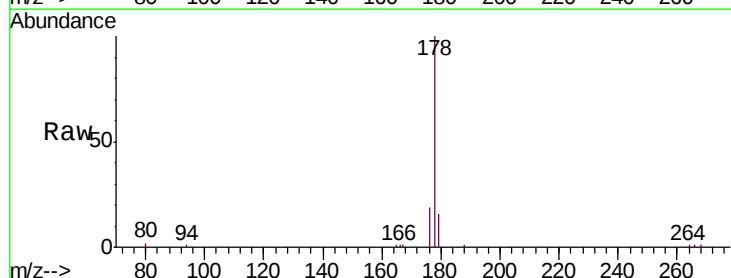
Tgt Ion:178 Resp: 11716

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

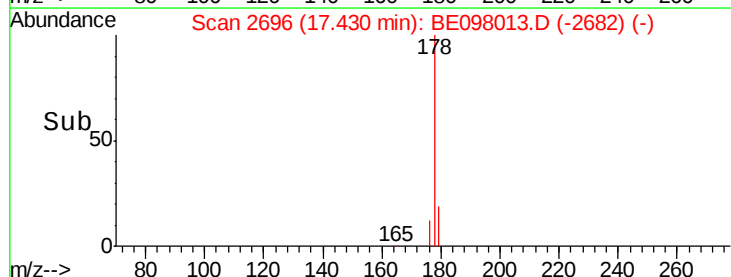
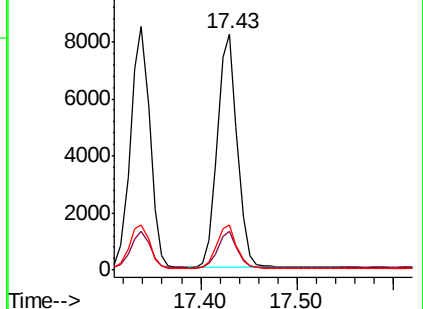
176 19.3 15.5 23.3

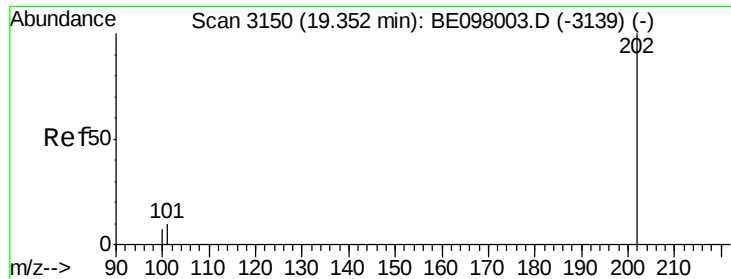


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

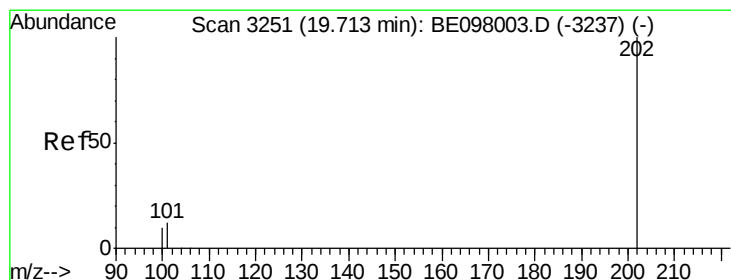
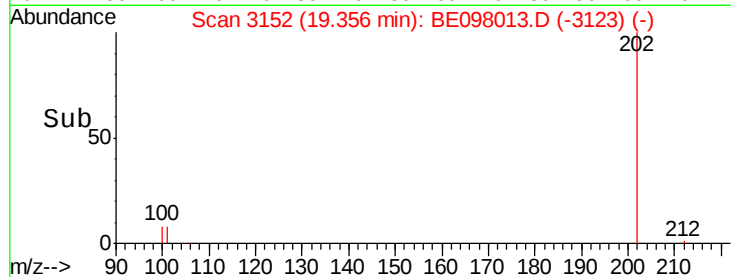
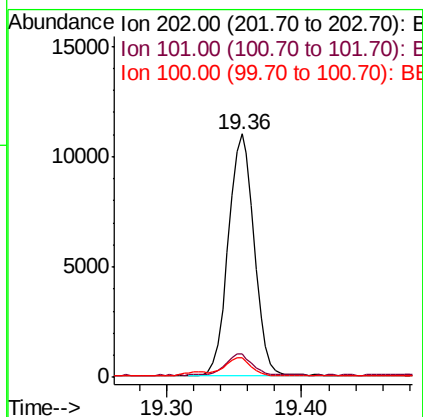
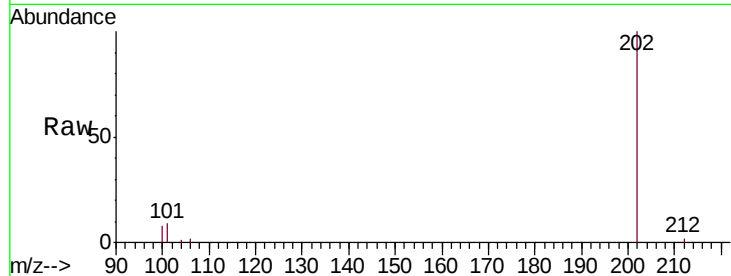




#15
Fluoranthene
 Concen: 0.351 ng/ul
 RT: 19.36 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: BE098013.D
 Acq: 22 Oct 2018 17:28

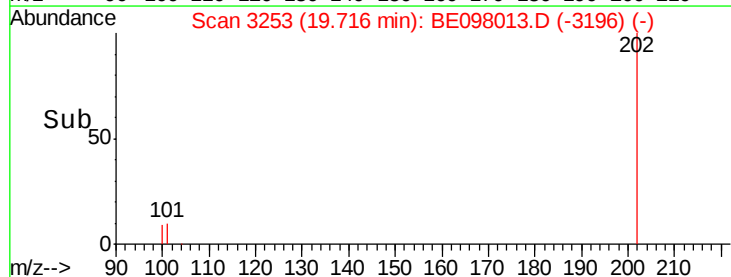
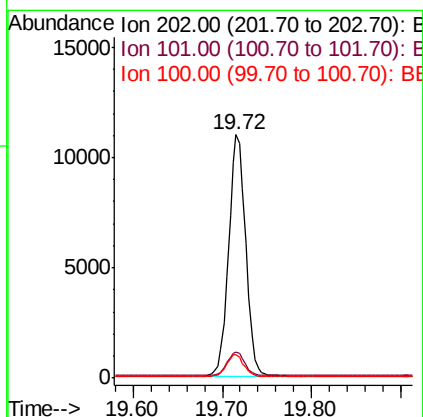
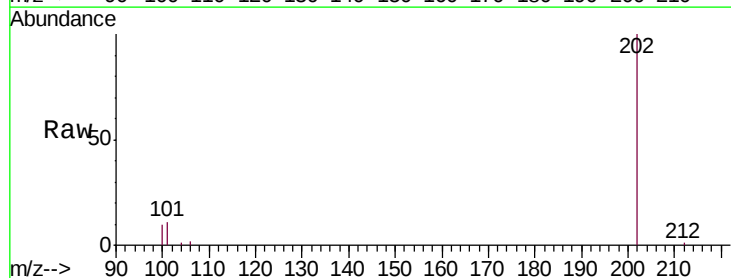
Instrument :
 BNA_E
 ClientSampleId :
 SST0.459

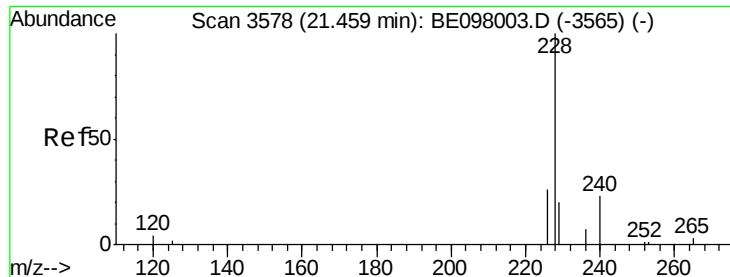
Tgt Ion: 202 Resp: 14571
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 29.3
 100 8.1 0.0 27.5



#17
Pyrene
 Concen: 0.404 ng/ul
 RT: 19.72 min Scan# 3253
 Delta R.T. 0.00 min
 Lab File: BE098013.D
 Acq: 22 Oct 2018 17:28

Tgt Ion: 202 Resp: 16998
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.8 13.2
 100 9.6 7.9 11.9





#18

Benzo(a)anthracene

Concen: 0.404 ng/ul

RT: 21.46 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.459

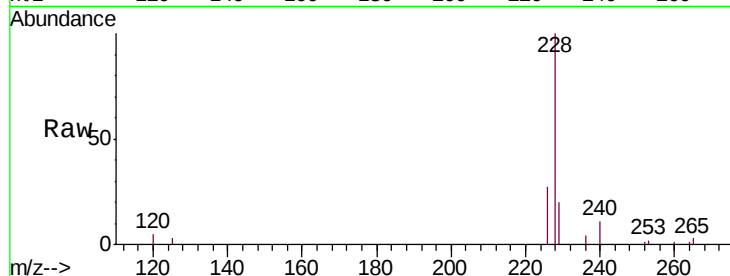
Tgt Ion:228 Resp: 19206

Ion Ratio Lower Upper

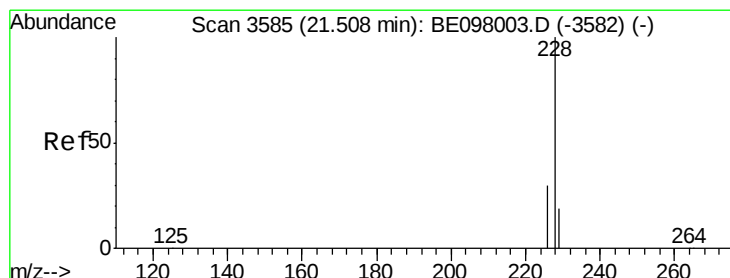
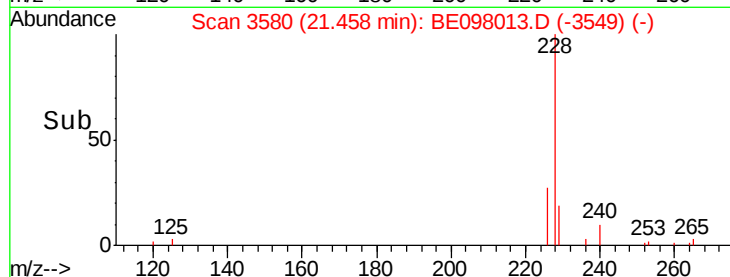
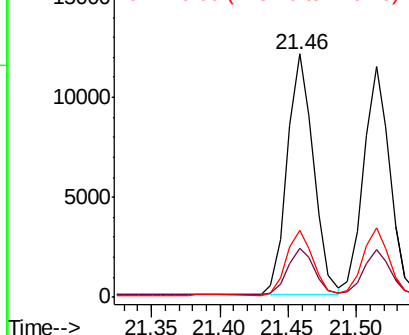
228 100

229 20.0 16.4 24.6

226 27.4 21.5 32.3



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: 0.337 ng/ul

RT: 21.51 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

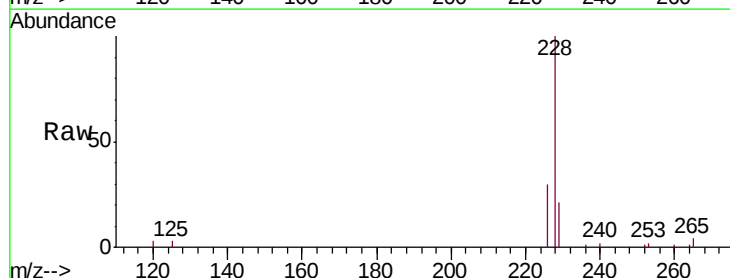
Tgt Ion:228 Resp: 15447

Ion Ratio Lower Upper

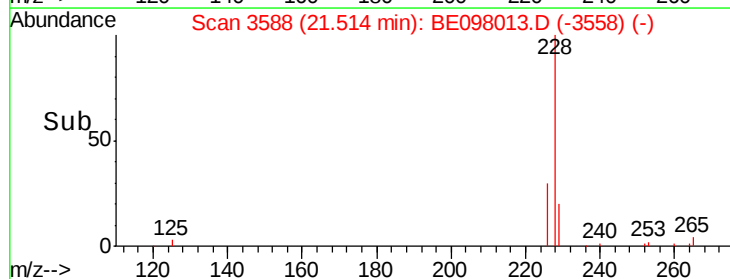
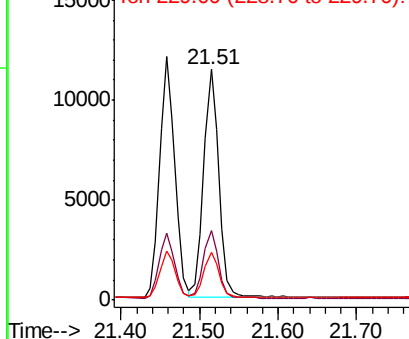
228 100

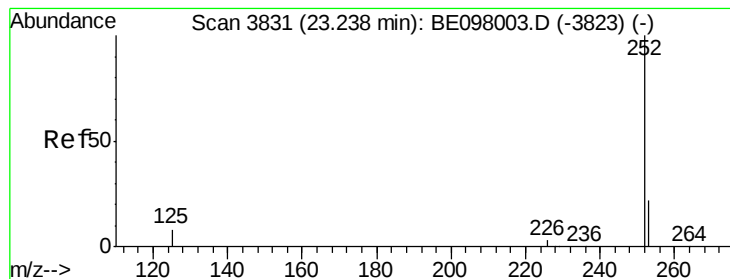
226 30.1 23.0 34.4

229 20.7 15.5 23.3



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: 0.407 ng/ul

RT: 23.24 min Scan# 3834

Delta R.T. 0.01 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

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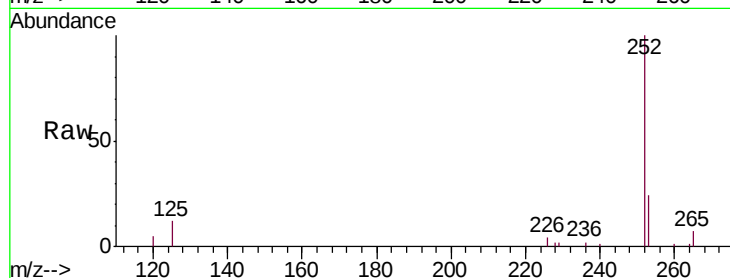
Tgt Ion:252 Resp: 15548

Ion Ratio Lower Upper

252 100

253 24.5 0.0 47.0

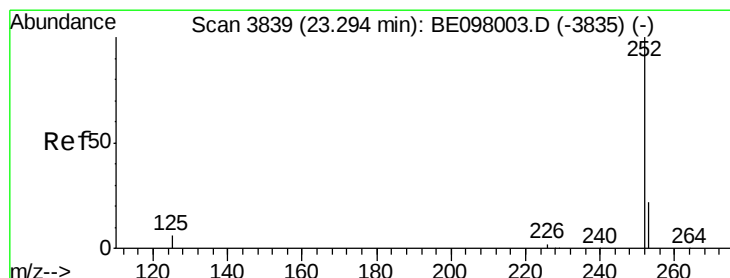
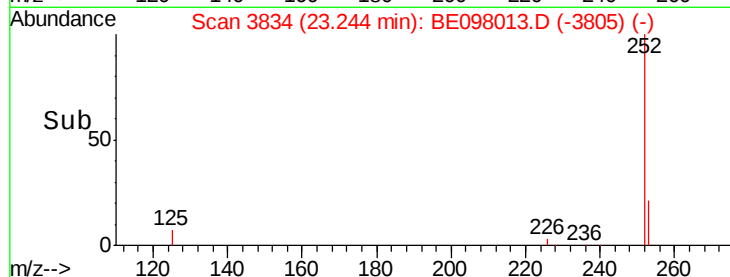
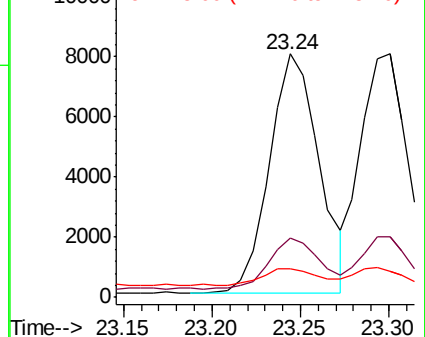
125 11.6 0.0 18.2



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: 0.348 ng/ul

RT: 23.30 min Scan# 3842

Delta R.T. 0.01 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

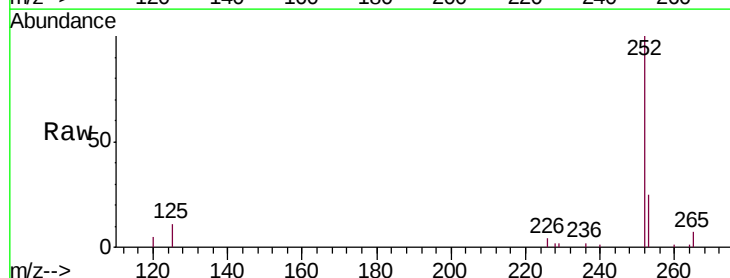
Tgt Ion:252 Resp: 15047

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.6

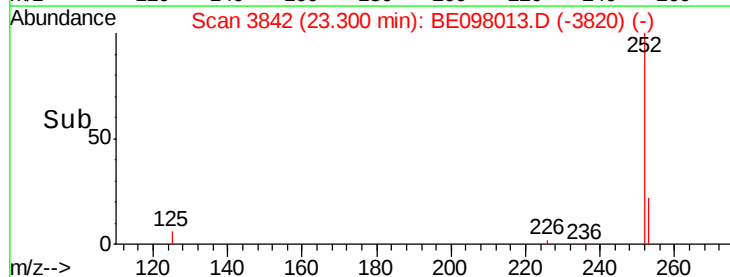
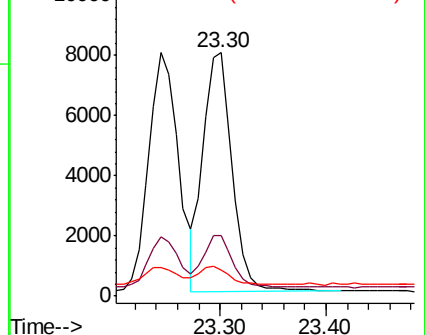
125 10.8 9.4 14.0

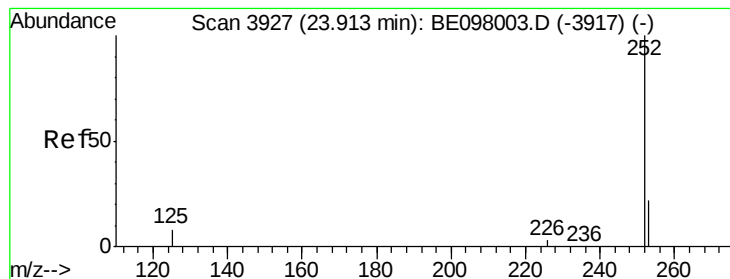


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.424 ng/ul

RT: 23.91 min Scan# 3929

Delta R.T. -0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.459

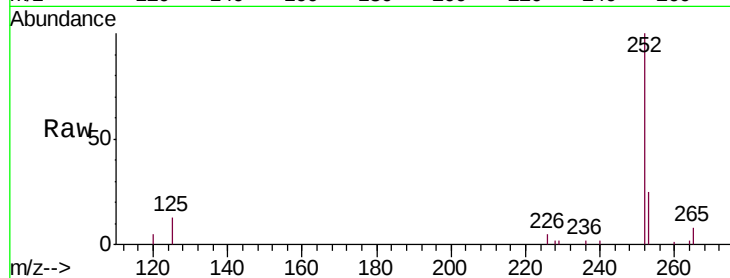
Tgt Ion:252 Resp: 14810

Ion Ratio Lower Upper

252 100

253 25.3 18.2 27.4

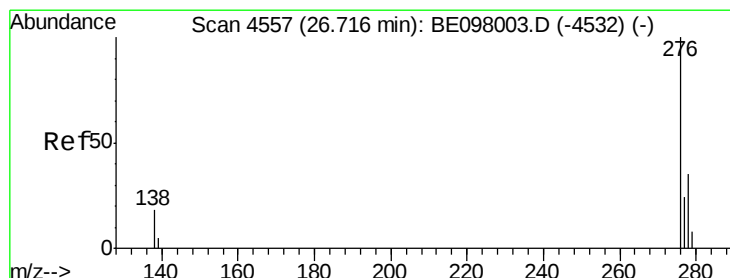
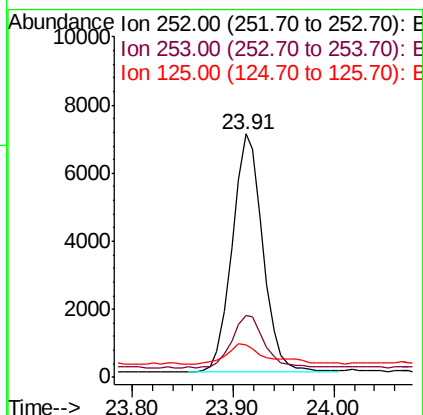
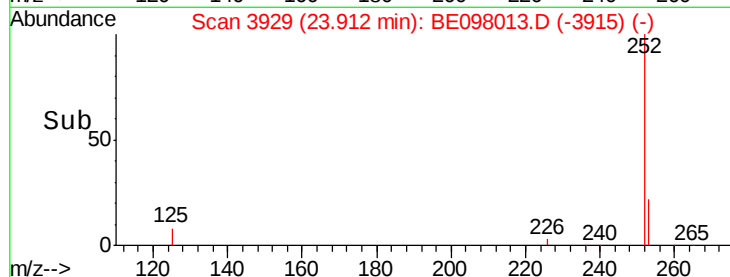
125 13.3 8.3 12.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.435 ng/ul

RT: 26.72 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

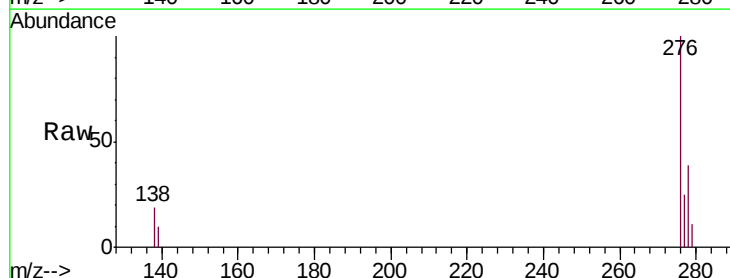
Tgt Ion:276 Resp: 17256

Ion Ratio Lower Upper

276 100

138 17.4 0.0 0.0#

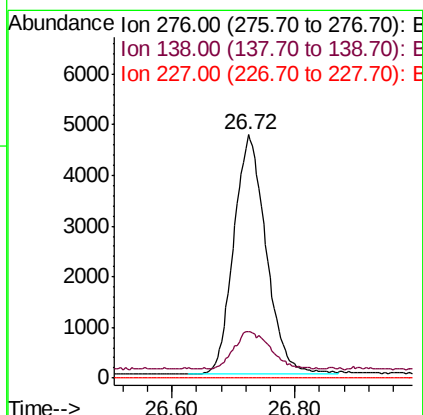
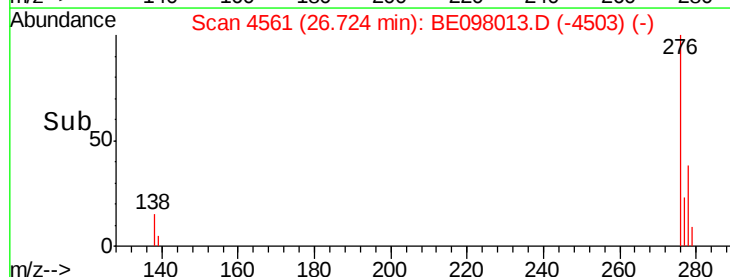
227 0.0 0.0 0.0

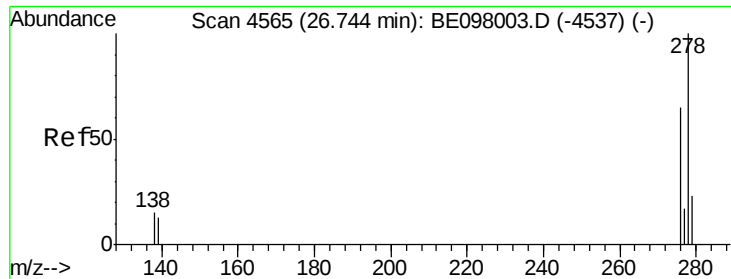


Abundance Ion 276.00 (275.70 to 276.70): E

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: 26.75 min Scan# 4569

Delta R.T. 0.01 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

Instrument :

BNA_E

ClientSampleId :

SSTD0.459

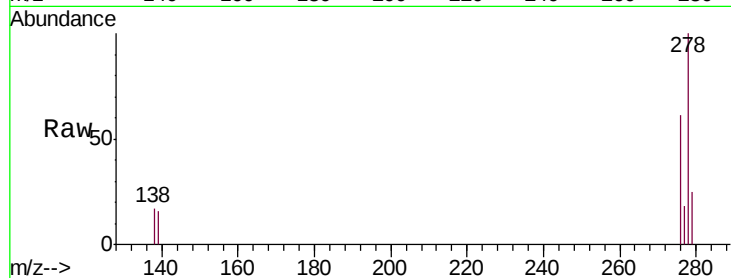
Tgt Ion:278 Resp: 14260

Ion Ratio Lower Upper

278 100

139 16.0 10.9 16.3

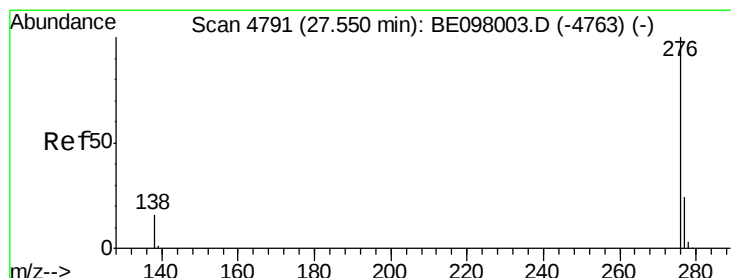
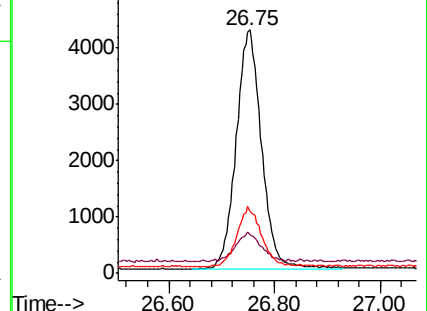
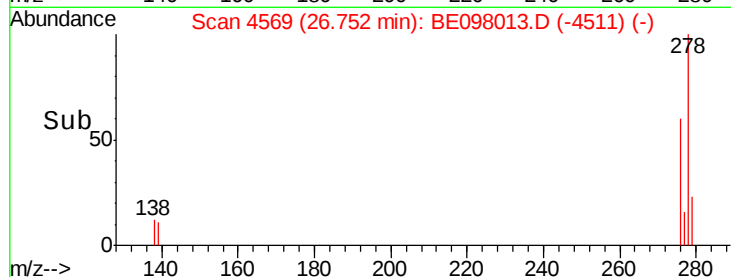
279 25.3 18.8 28.2



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: 0.388 ng/ul

RT: 27.55 min Scan# 4793

Delta R.T. 0.00 min

Lab File: BE098013.D

Acq: 22 Oct 2018 17:28

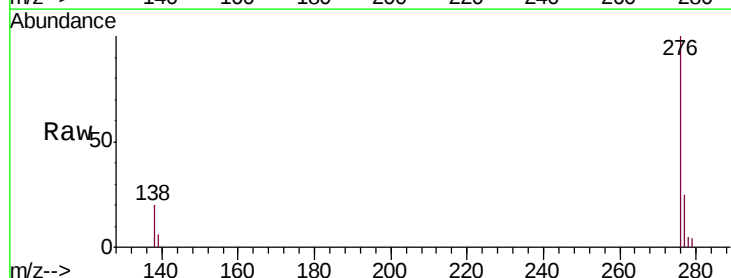
Tgt Ion:276 Resp: 14528

Ion Ratio Lower Upper

276 100

138 19.7 14.3 21.5

277 25.3 19.5 29.3



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

