

Data File : BE098113.D
Acq On : 31 Oct 2018 11:12
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.476

Quant Time: Nov 01 01:42:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 30 01:14:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1023	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5042	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	3487	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	8348	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	9619	0.40	ng/ul	0.00
20) Perylene-d12	24.02	264	9514	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3529	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	10593	0.39	ng/ul	0.00

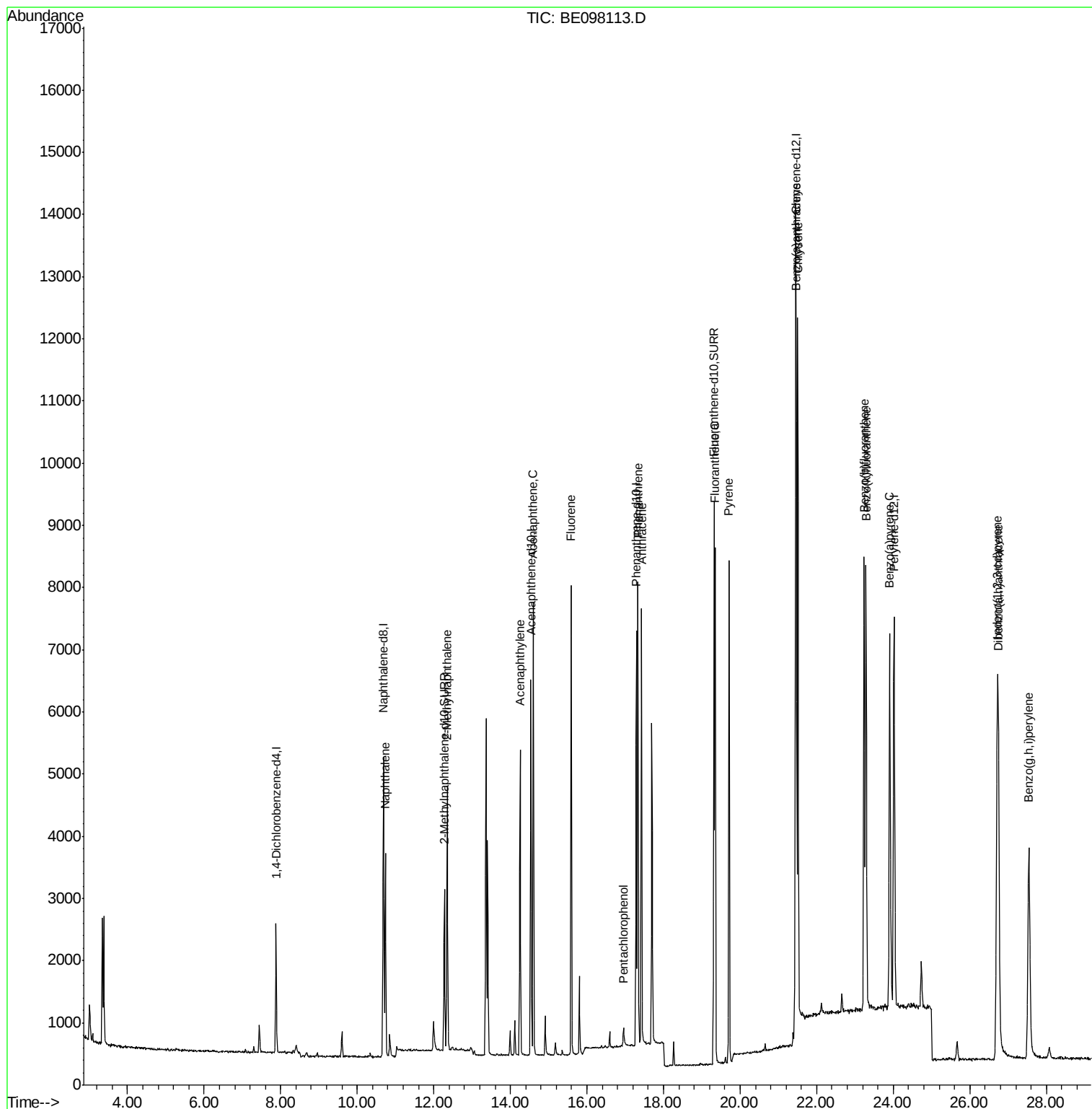
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	4815	0.399	ng/ul	100
5) 2-Methylnaphthalene	12.35	142	3663	0.401	ng/ul	99
7) Acenaphthylene	14.26	152	5429	0.395	ng/ul	98
8) Acenaphthene	14.60	153	4072	0.396	ng/ul	98
9) Fluorene	15.59	166	4672	0.378	ng/ul	100
11) Pentachlorophenol	16.95	266	215	0.492	ng/ul	94
12) Phenanthrene	17.33	178	7706	0.400	ng/ul	99
13) Anthracene	17.42	178	7425	0.390	ng/ul	99
15) Fluoranthene	19.35	202	9619	0.392	ng/ul	97
17) Pyrene	19.71	202	9719	0.433	ng/ul	98
18) Benzo(a)anthracene	21.45	228	12311	0.435	ng/ul	99
19) Chrysene	21.51	228	10484	0.479	ng/ul	100
21) Benzo(b)fluoranthene	23.24	252	10839	0.411	ng/ul	99
22) Benzo(k)fluoranthene	23.29	252	10128	0.393	ng/ul	99
23) Benzo(a)pyrene	23.91	252	10033	0.396	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	26.72	276	11375	0.392	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.75	278	9475	0.391	ng/ul#	96
26) Benzo(g,h,i)perylene	27.54	276	9636	0.394	ng/ul	98

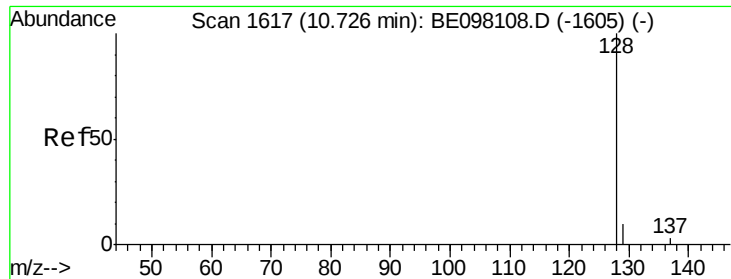
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.399 ng/ul

RT: 10.73 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampleId :

SSTD0.476

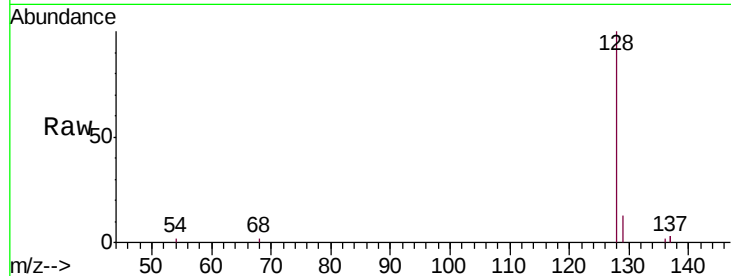
Tgt Ion:128 Resp: 4815

Ion Ratio Lower Upper

128 100

129 13.0 10.5 15.7

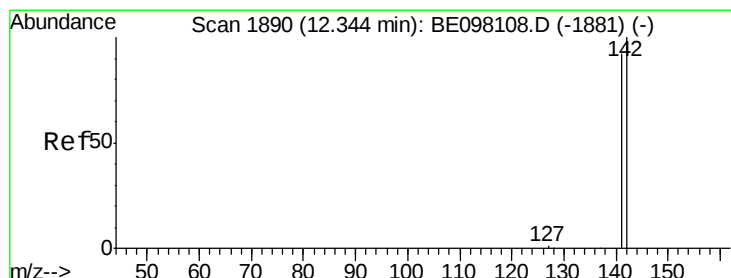
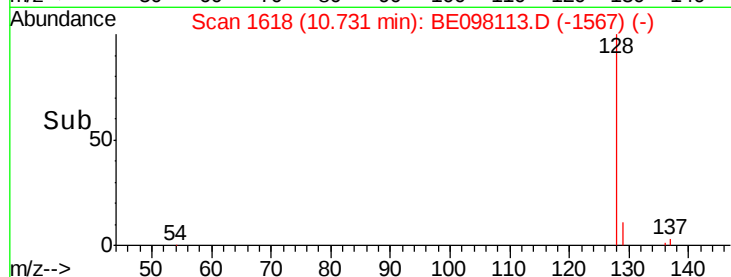
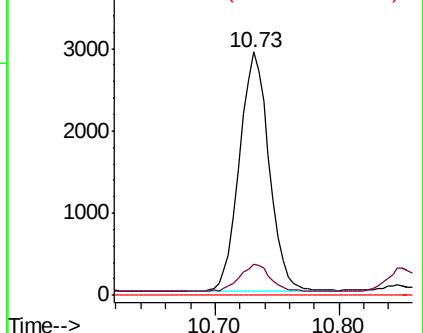
127 0.0 0.0 0.0



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: 0.401 ng/ul

RT: 12.35 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BE098113.D

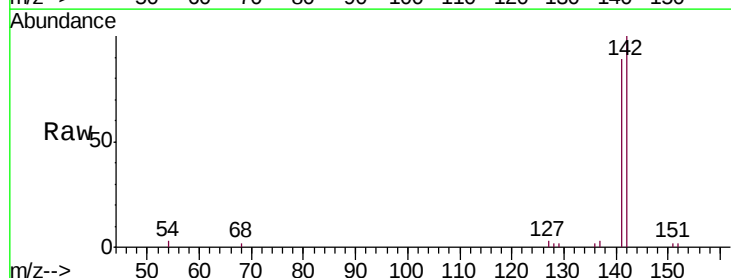
Acq: 31 Oct 2018 11:12

Tgt Ion:142 Resp: 3663

Ion Ratio Lower Upper

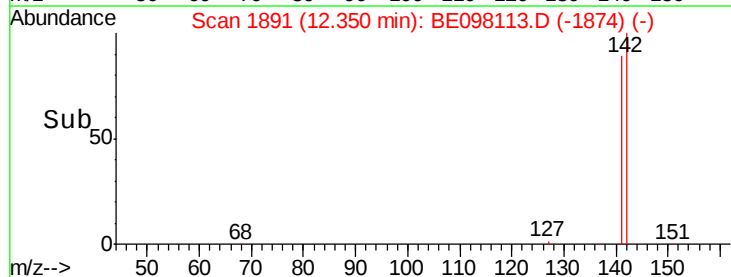
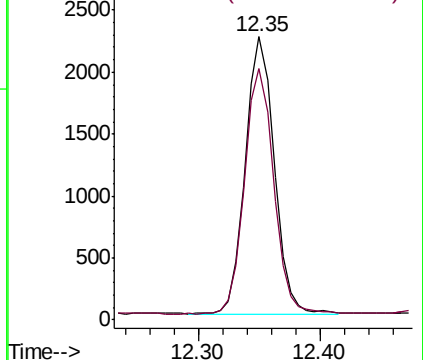
142 100

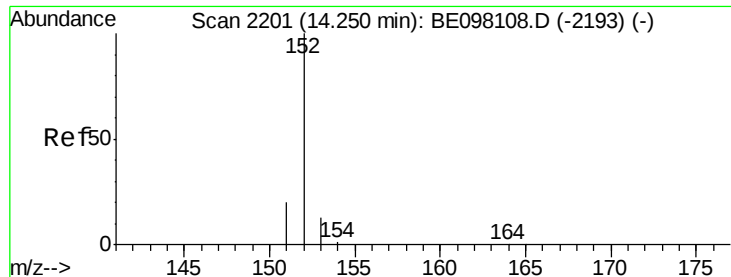
141 89.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.395 ng/ul

RT: 14.26 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampleId :

SSTD0.476

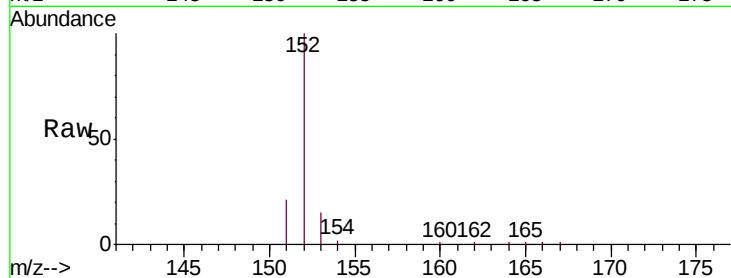
Tgt Ion:152 Resp: 5429

Ion Ratio Lower Upper

152 100

151 20.6 17.3 25.9

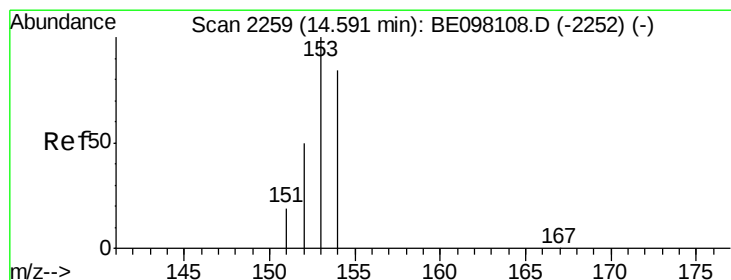
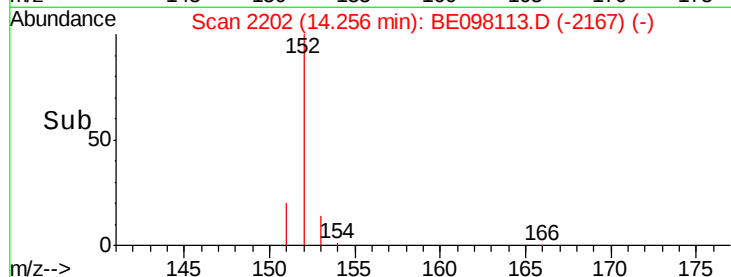
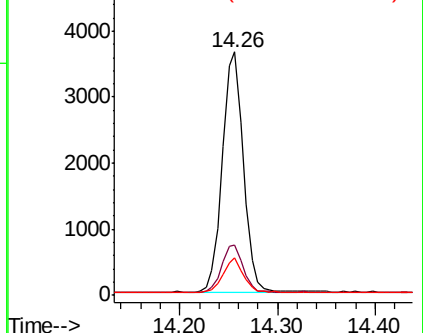
153 15.4 11.9 17.9



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: 0.396 ng/ul

RT: 14.60 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

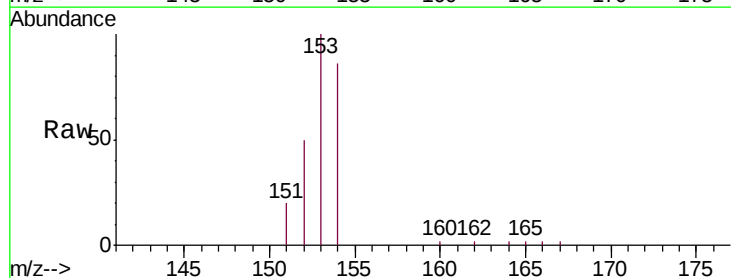
Tgt Ion:153 Resp: 4072

Ion Ratio Lower Upper

153 100

152 50.4 39.4 59.0

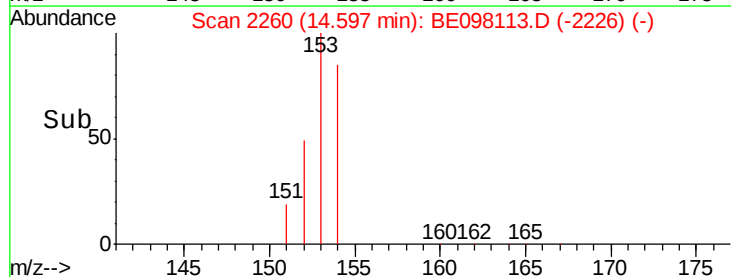
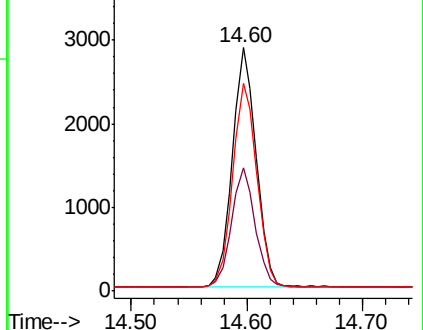
154 85.5 70.5 105.7

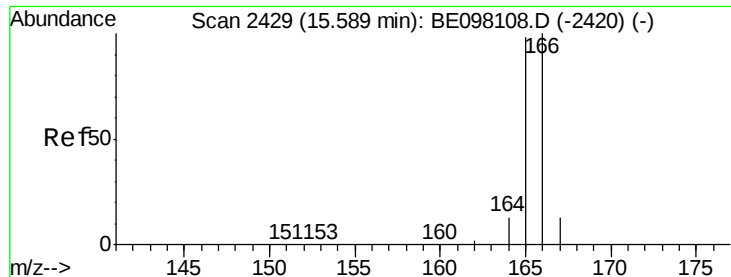


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

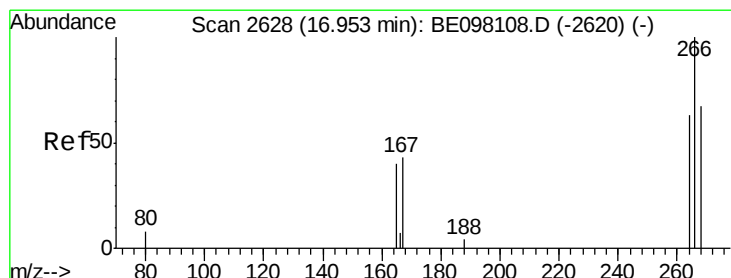
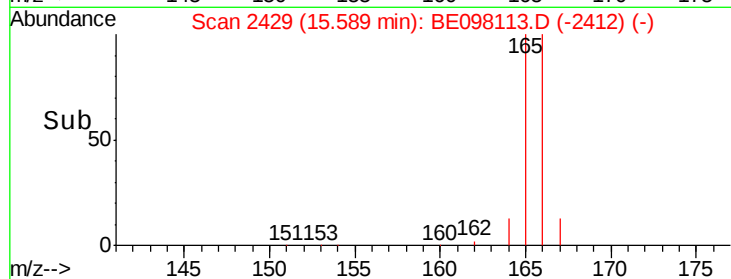
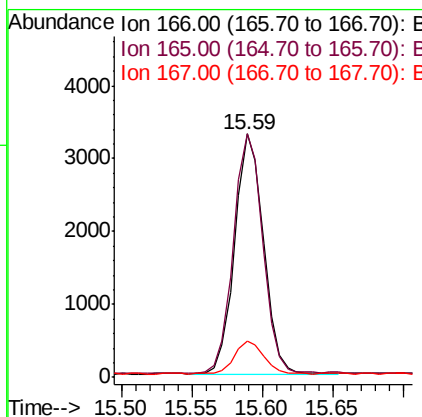
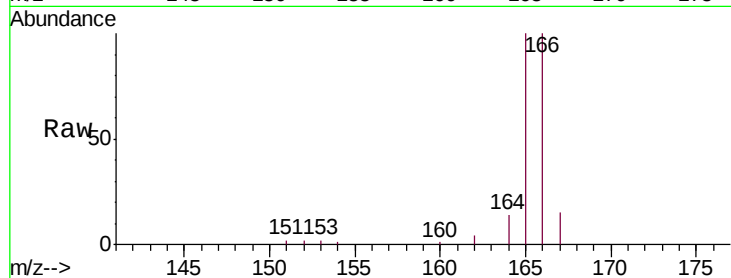




#9
Fluorene
 Concen: 0.378 ng/ul
 RT: 15.59 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: BE098113.D
 Acq: 31 Oct 2018 11:12

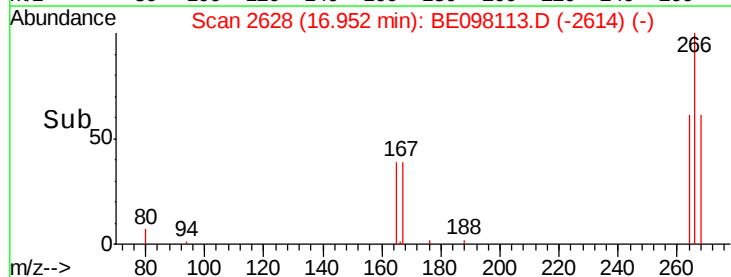
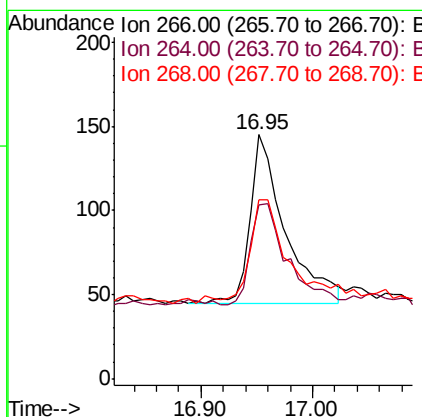
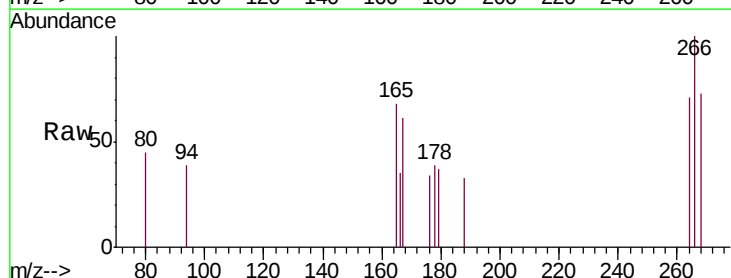
Instrument :
 BNA_E
 ClientSampleId :
 SST0.476

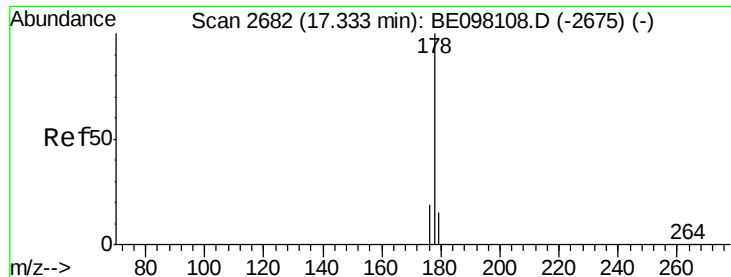
Tgt Ion:166 Resp: 4672
 Ion Ratio Lower Upper
 166 100
 165 100.0 80.2 120.4
 167 14.8 12.0 18.0



#11
Pentachlorophenol
 Concen: 0.492 ng/ul
 RT: 16.95 min Scan# 2628
 Delta R.T. 0.00 min
 Lab File: BE098113.D
 Acq: 31 Oct 2018 11:12

Tgt Ion:266 Resp: 215
 Ion Ratio Lower Upper
 266 100
 264 63.3 48.5 72.7
 268 60.0 53.7 80.5





#12

Phenanthrene

Concen: 0.400 ng/u1

RT: 17.33 min Scan# 2682

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampleId :

SSTD0.476

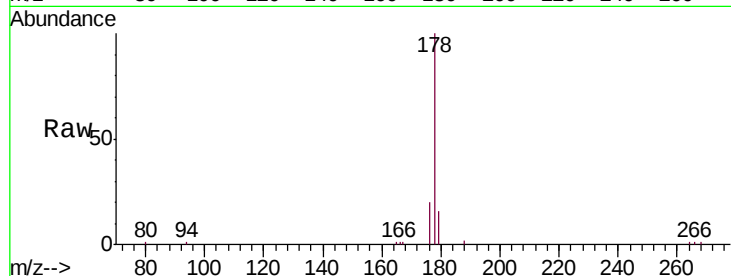
Tgt Ion:178 Resp: 7706

Ion Ratio Lower Upper

178 100

179 16.5 13.0 19.4

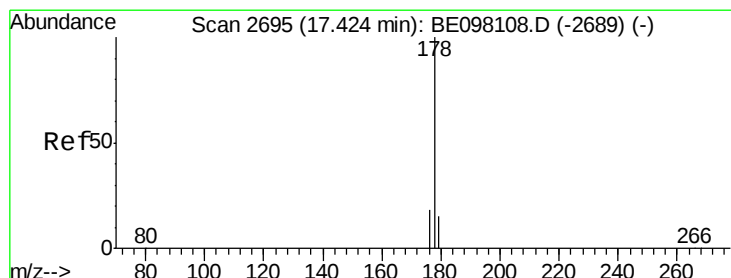
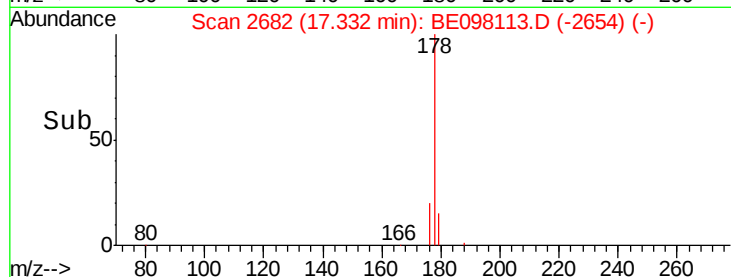
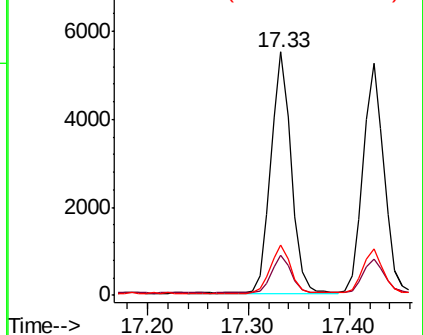
176 20.4 15.7 23.5



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: 0.390 ng/u1

RT: 17.42 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

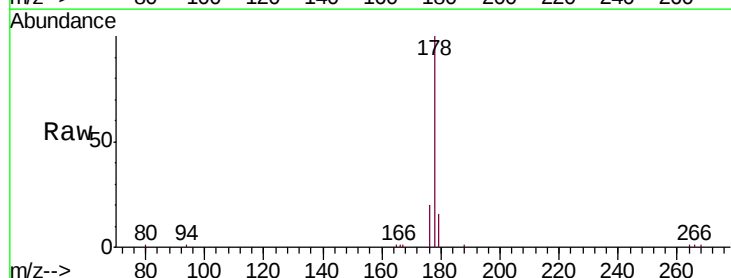
Tgt Ion:178 Resp: 7425

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

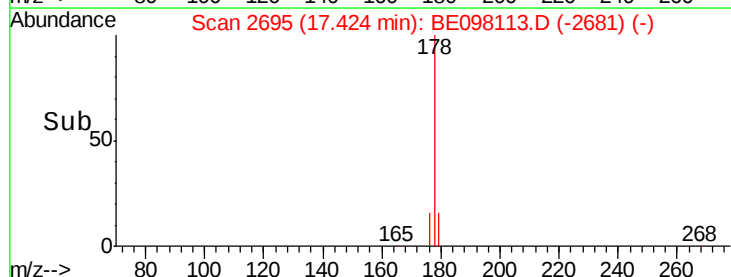
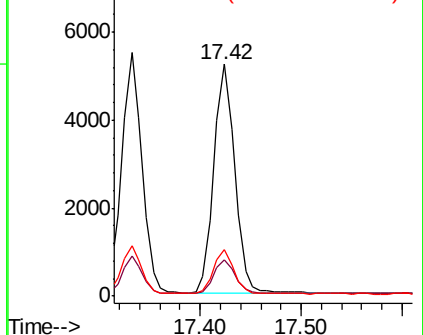
176 20.1 15.6 23.4

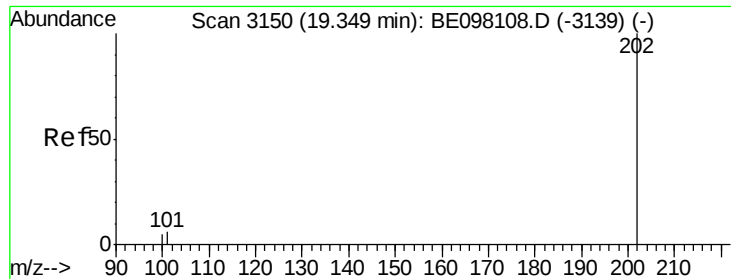


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.392 ng/ul

RT: 19.35 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampleId :

SSTD0.476

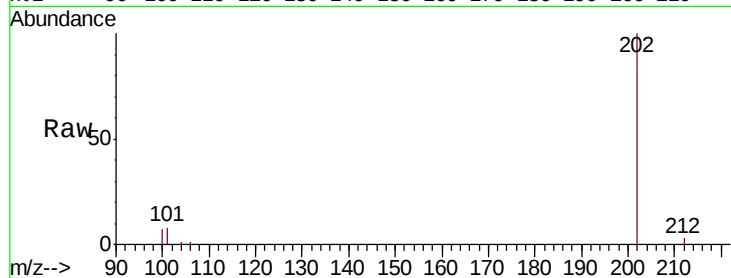
Tgt Ion:202 Resp: 9619

Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.5

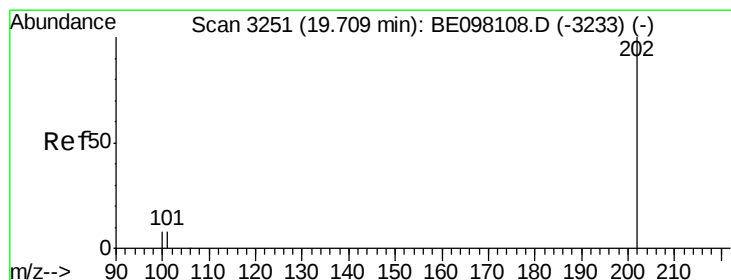
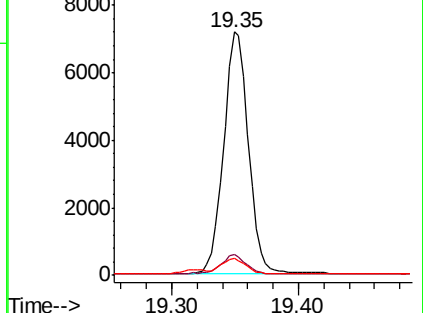
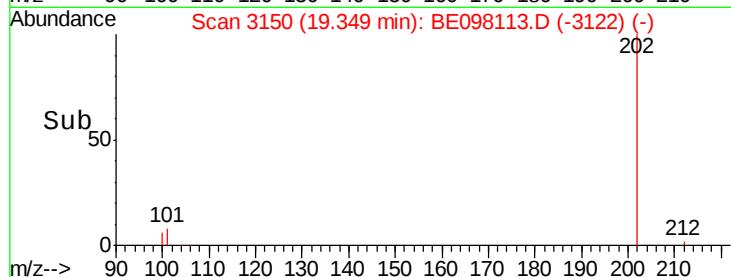
100 6.8 0.0 26.0



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: 0.433 ng/ul

RT: 19.71 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

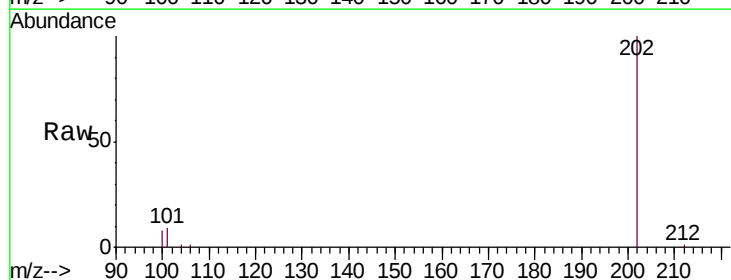
Tgt Ion:202 Resp: 9719

Ion Ratio Lower Upper

202 100

101 9.2 6.9 10.3

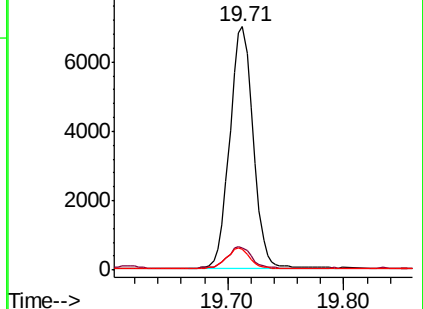
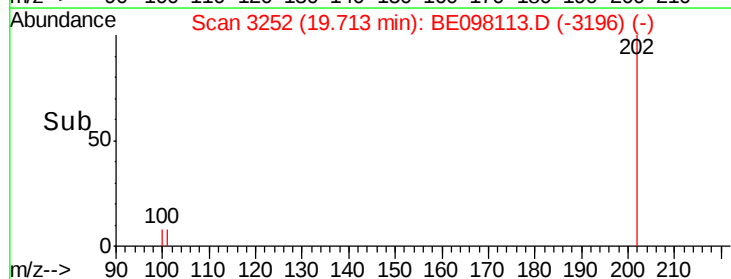
100 8.5 6.0 9.0

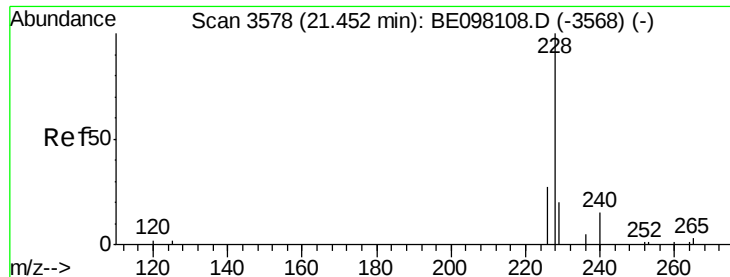


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.435 ng/ul

RT: 21.45 min Scan# 3578

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampled :

SSTD0.476

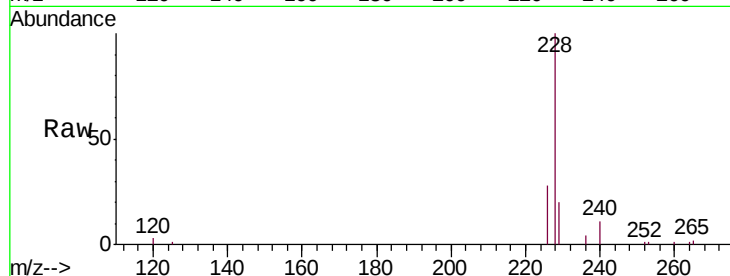
Tgt Ion:228 Resp: 12311

Ion Ratio Lower Upper

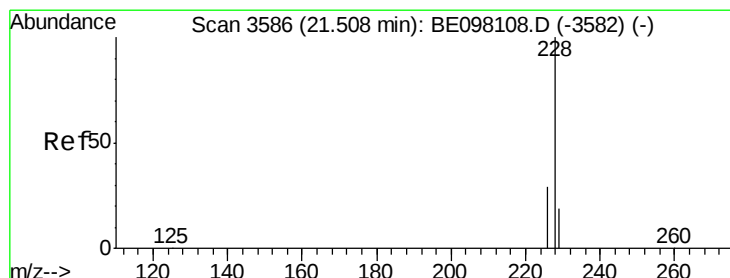
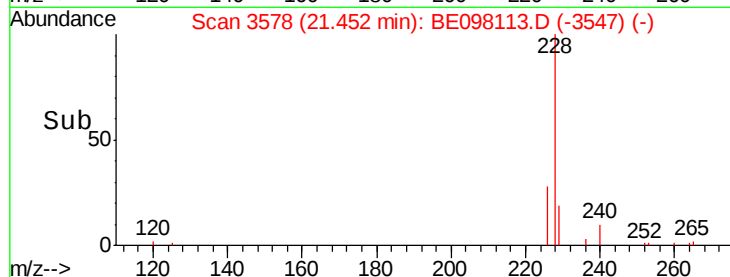
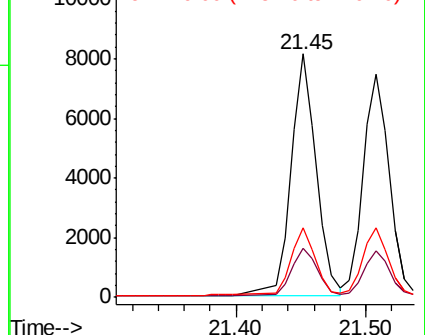
228 100

229 20.1 16.1 24.1

226 28.4 22.2 33.4



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: 0.479 ng/ul

RT: 21.51 min Scan# 3586

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

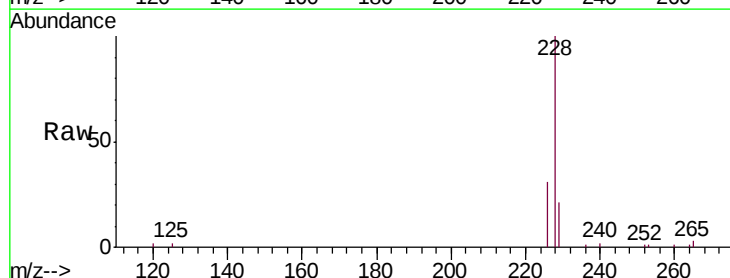
Tgt Ion:228 Resp: 10484

Ion Ratio Lower Upper

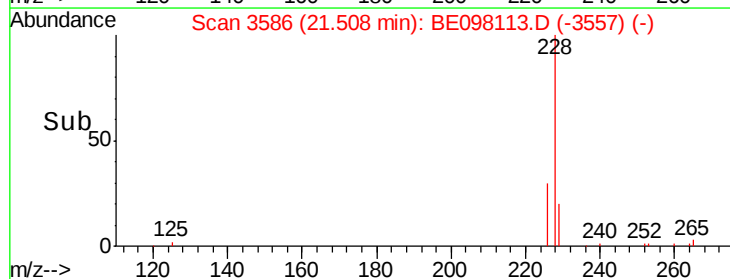
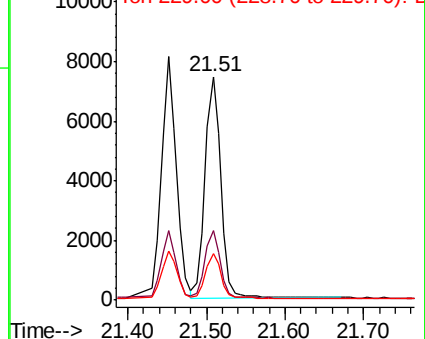
228 100

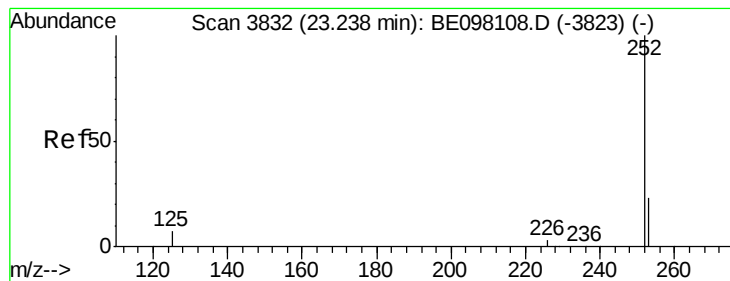
226 31.0 24.6 37.0

229 20.6 16.4 24.6



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: 0.411 ng/ul

RT: 23.24 min Scan# 3832

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampleId :

SSTD0.476

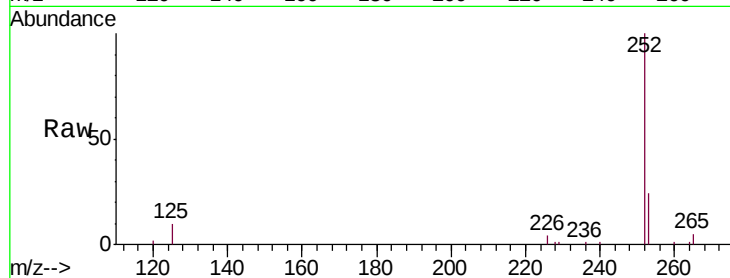
Tgt Ion:252 Resp: 10839

Ion Ratio Lower Upper

252 100

253 23.7 0.0 47.8

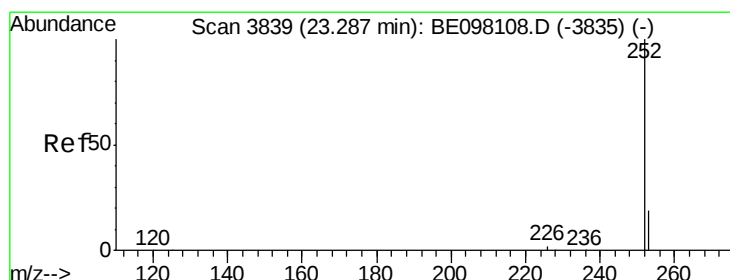
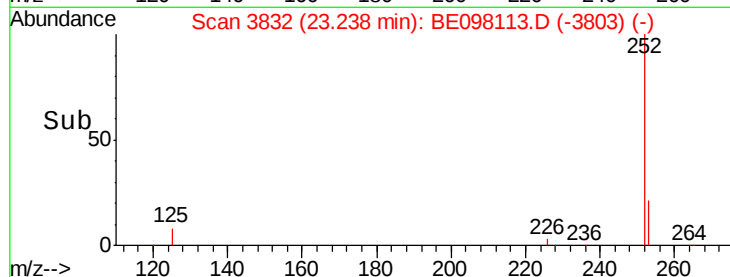
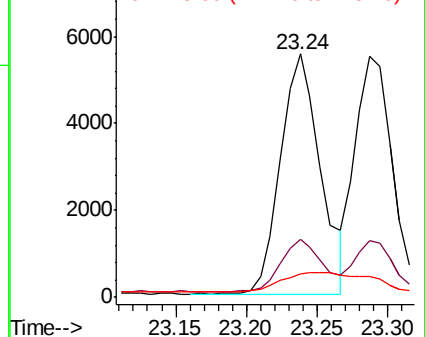
125 9.9 0.0 16.8



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: 0.393 ng/ul

RT: 23.29 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

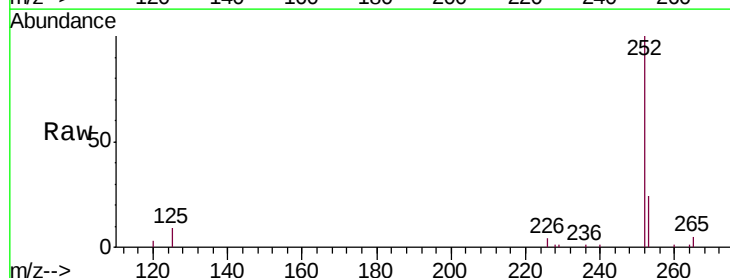
Tgt Ion:252 Resp: 10128

Ion Ratio Lower Upper

252 100

253 23.6 19.3 28.9

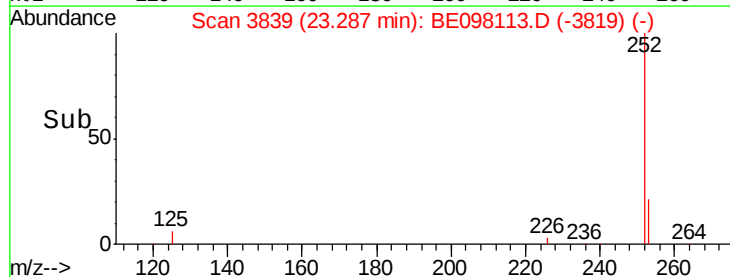
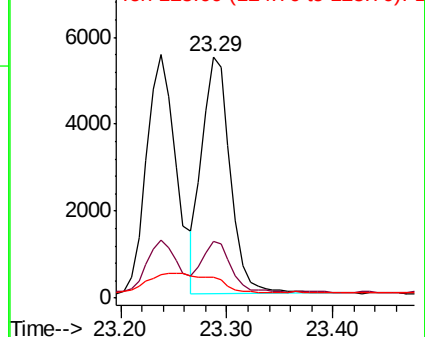
125 8.6 6.2 9.2

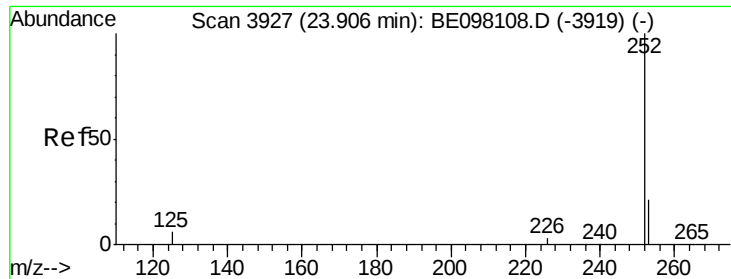


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.396 ng/u1

RT: 23.91 min Scan# 3927

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampleId :

SSTD0.476

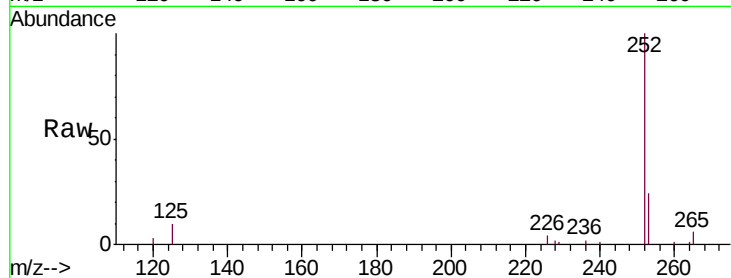
Tgt Ion:252 Resp: 10033

Ion Ratio Lower Upper

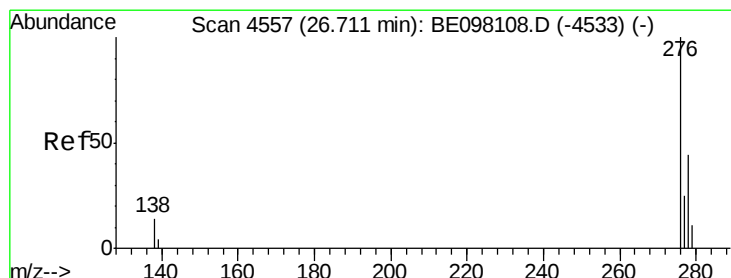
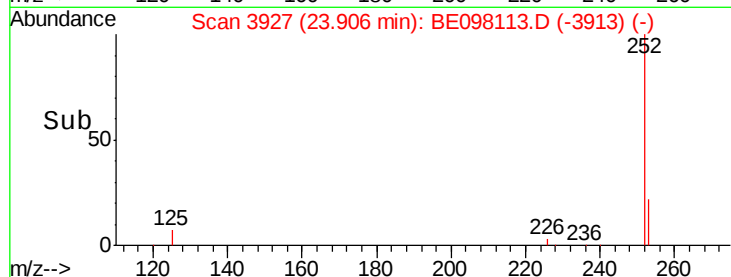
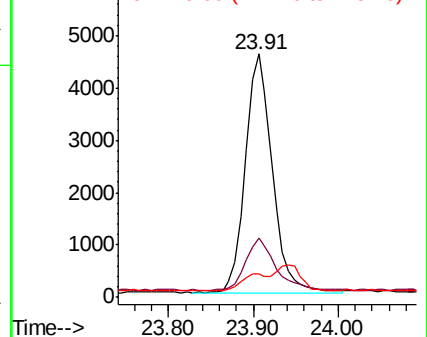
252 100

253 24.5 19.4 29.2

125 9.8 7.8 11.8



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: 0.392 ng/u1

RT: 26.72 min Scan# 4558

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

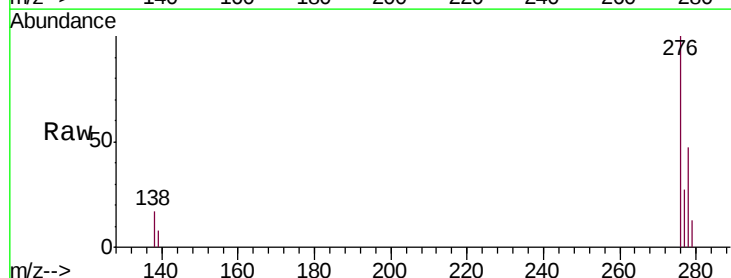
Tgt Ion:276 Resp: 11375

Ion Ratio Lower Upper

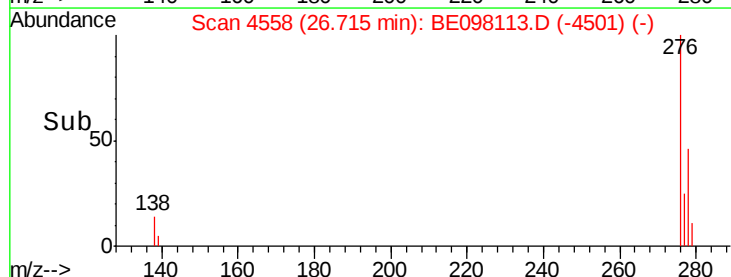
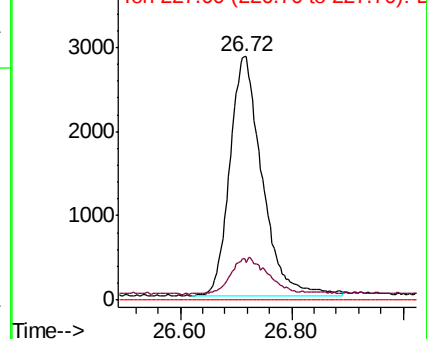
276 100

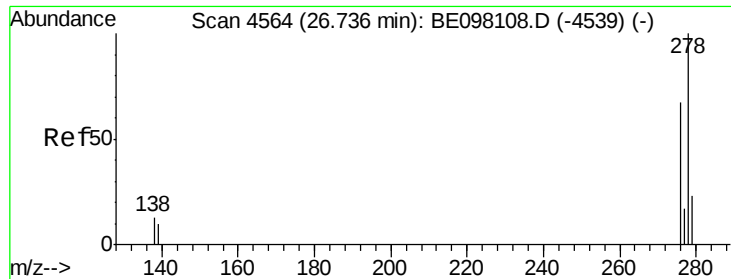
138 16.8 11.8 17.8

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: 0.391 ng/ul

RT: 26.75 min Scan# 4567

Delta R.T. 0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

Instrument :

BNA_E

ClientSampleId :

SSTD0.476

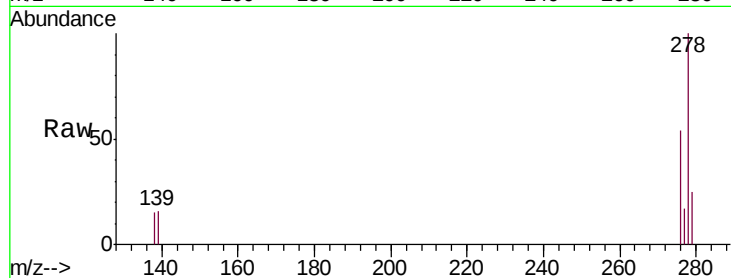
Tgt Ion:278 Resp: 9475

Ion Ratio Lower Upper

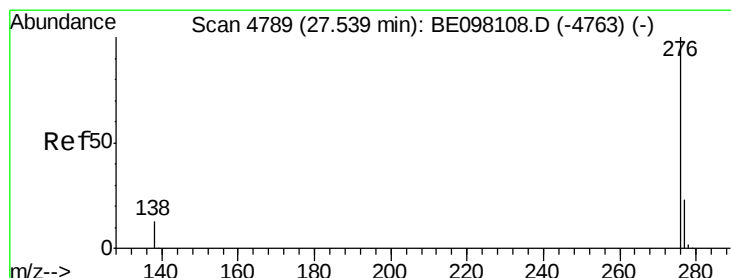
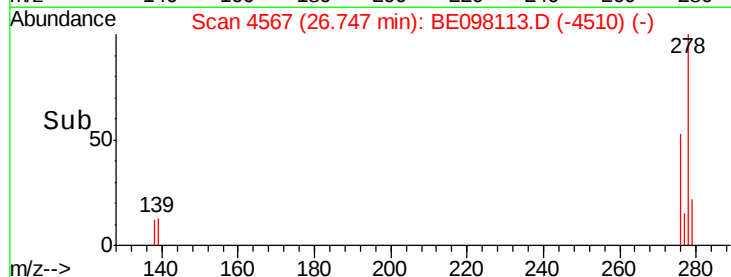
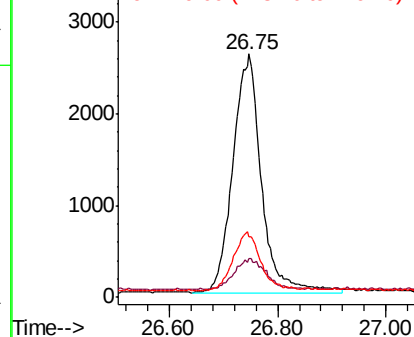
278 100

139 16.0 10.0 15.0#

279 24.7 20.3 30.5



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: 0.394 ng/ul

RT: 27.54 min Scan# 4790

Delta R.T. -0.00 min

Lab File: BE098113.D

Acq: 31 Oct 2018 11:12

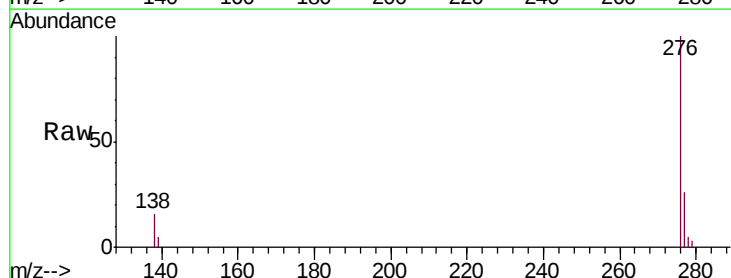
Tgt Ion:276 Resp: 9636

Ion Ratio Lower Upper

276 100

138 16.3 11.6 17.4

277 25.9 20.8 31.2



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

