

Data File : BE098093.D
Acq On : 26 Oct 2018 17:53
Operator : SJ/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.472

Quant Time: Oct 26 23:21:31 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 : Fri Oct 26 23:15:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	915	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	4628	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3300	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	8062	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	12161	0.40	ng/ul	0.00
20) Perylene-d12	24.02	264	10109	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	3165	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	9729	0.37	ng/ul	0.00

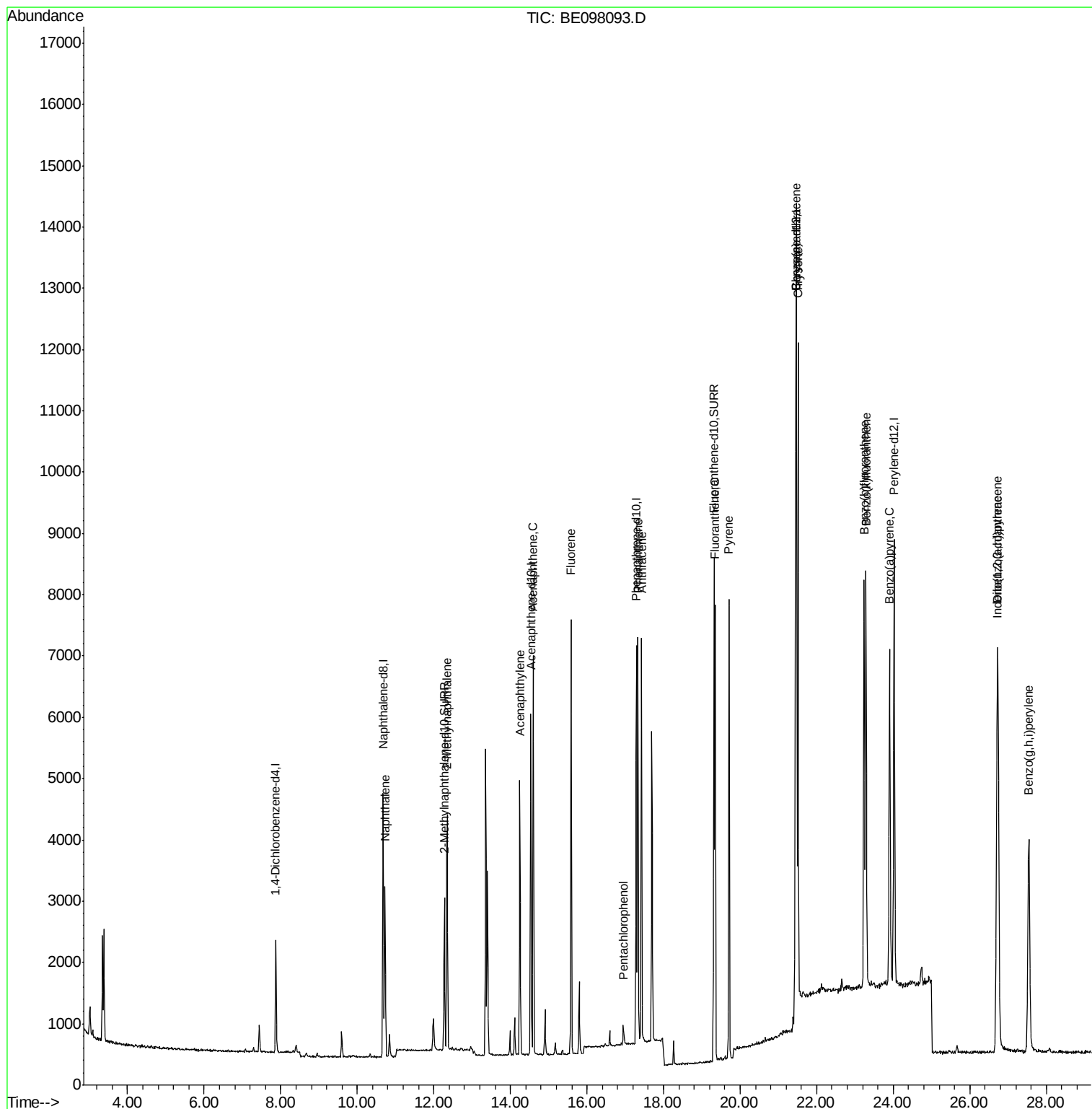
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	4301	0.388	ng/ul	99
5) 2-Methylnaphthalene	12.34	142	3237	0.387	ng/ul	100
7) Acenaphthylene	14.25	152	4939	0.379	ng/ul	99
8) Acenaphthene	14.60	153	3658	0.376	ng/ul	98
9) Fluorene	15.59	166	4381	0.374	ng/ul	99
11) Pentachlorophenol	16.95	266	208	0.493	ng/ul	97
12) Phenanthrene	17.33	178	7060	0.379	ng/ul	100
13) Anthracene	17.42	178	6938	0.378	ng/ul	98
15) Fluoranthene	19.35	202	8814	0.372	ng/ul	99
17) Pyrene	19.71	202	9027	0.318	ng/ul	100
18) Benzo(a)anthracene	21.45	228	11428	0.320	ng/ul	99
19) Chrysene	21.51	228	9579	0.346	ng/ul	98
21) Benzo(b)fluoranthene	23.24	252	9598	0.343	ng/ul	99
22) Benzo(k)fluoranthene	23.29	252	9730	0.355	ng/ul	99
23) Benzo(a)pyrene	23.90	252	9387	0.348	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.71	276	10933	0.354	ng/ul#	99
25) Dibenzo(a,h)anthracene	26.74	278	8990	0.349	ng/ul	97
26) Benzo(g,h,i)perylene	27.54	276	9055	0.348	ng/ul	99

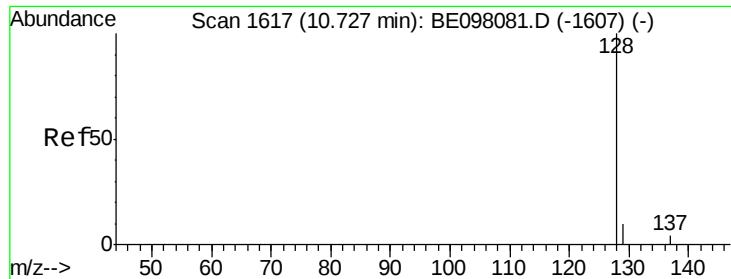
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.388 ng/ul

RT: 10.73 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.472

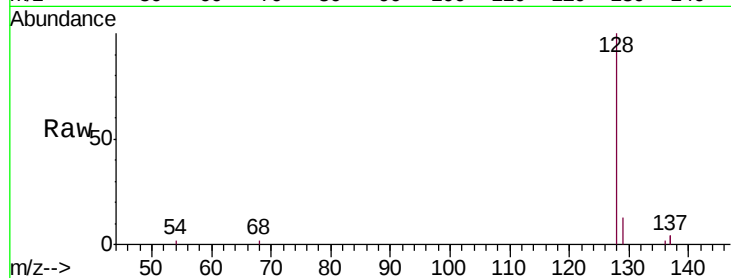
Tgt Ion:128 Resp: 4301

Ion Ratio Lower Upper

128 100

129 12.8 10.5 15.7

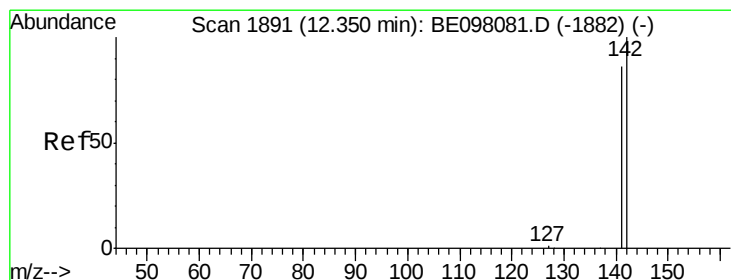
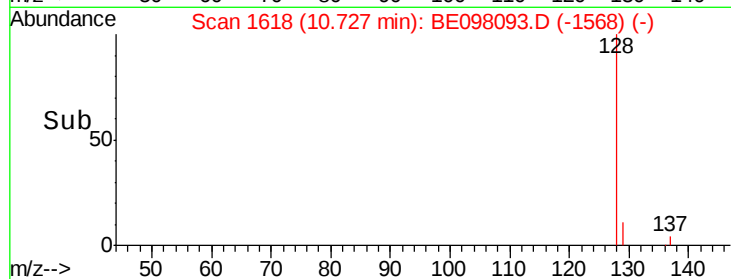
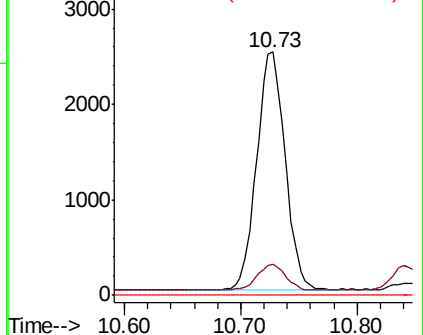
127 0.0 0.0 0.0



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: 0.387 ng/ul

RT: 12.34 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BE098093.D

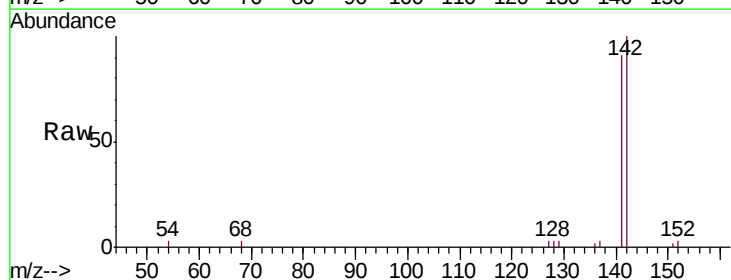
Acq: 26 Oct 2018 17:53

Tgt Ion:142 Resp: 3237

Ion Ratio Lower Upper

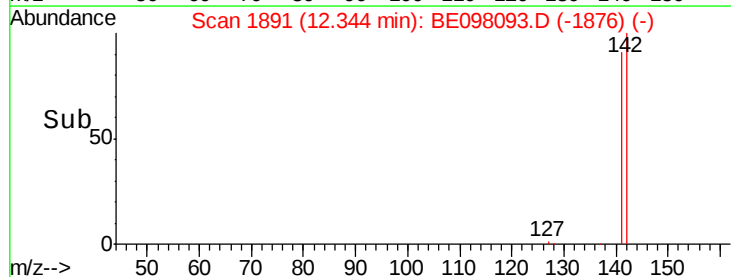
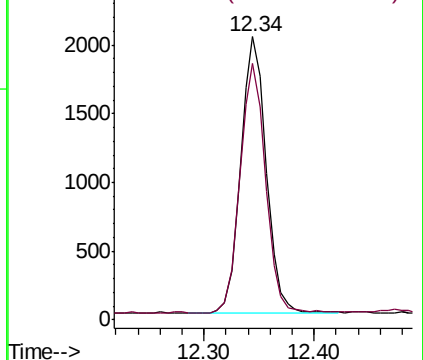
142 100

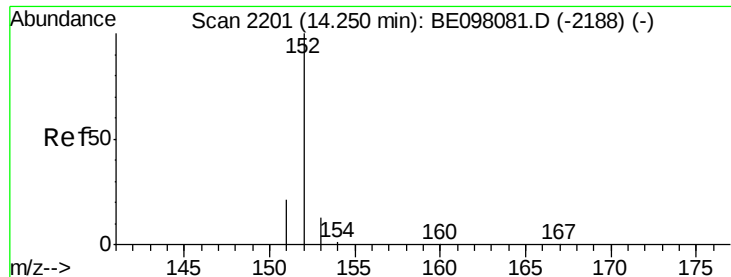
141 90.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.379 ng/ul

RT: 14.25 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.472

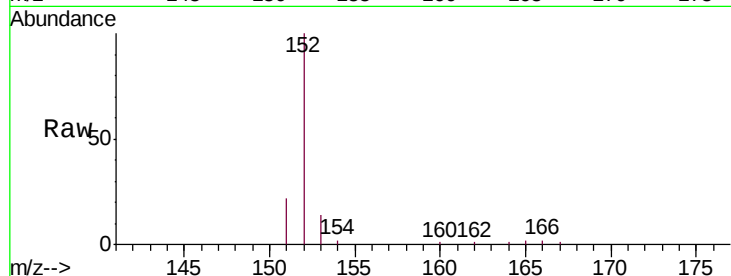
Tgt Ion:152 Resp: 4939

Ion Ratio Lower Upper

152 100

151 21.8 17.3 25.9

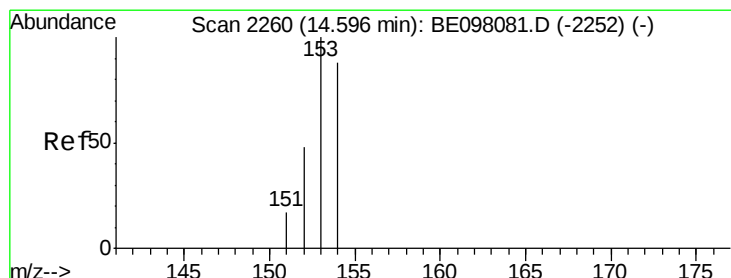
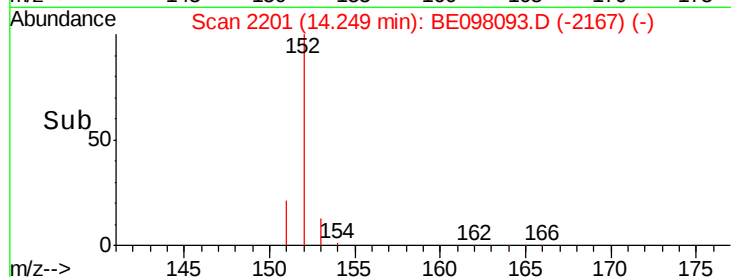
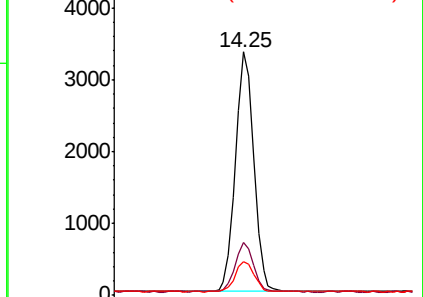
153 14.0 11.9 17.9



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: 0.376 ng/ul

RT: 14.60 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

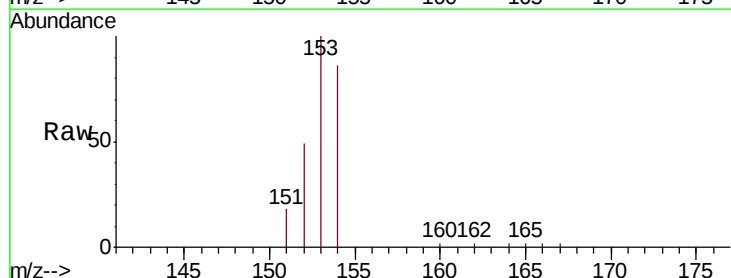
Tgt Ion:153 Resp: 3658

Ion Ratio Lower Upper

153 100

152 49.1 39.4 59.0

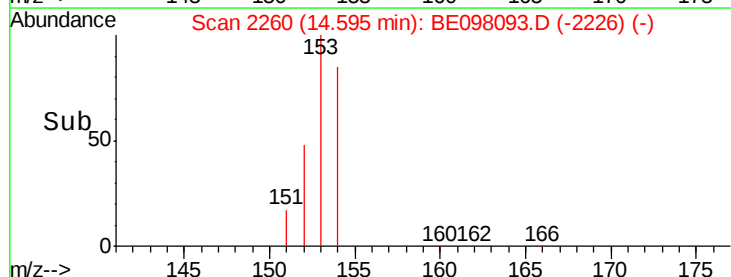
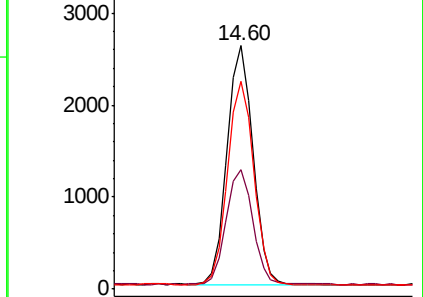
154 85.5 70.5 105.7

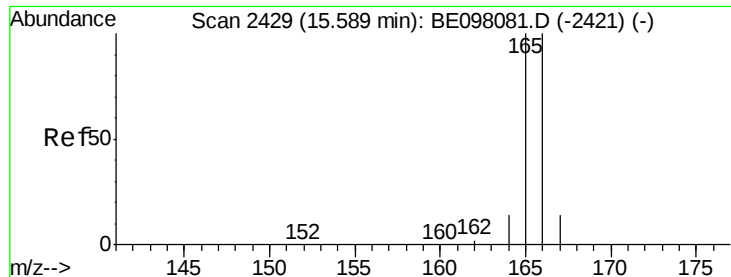


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.374 ng/ul

RT: 15.59 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.472

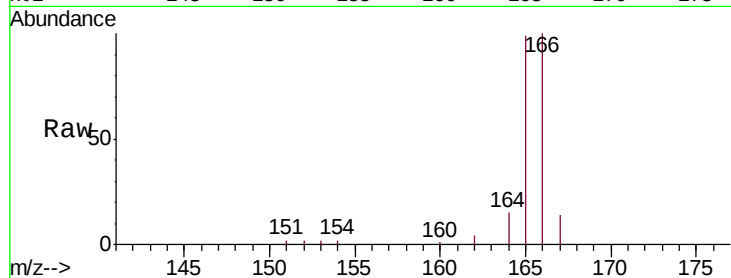
Tgt Ion:166 Resp: 4381

Ion Ratio Lower Upper

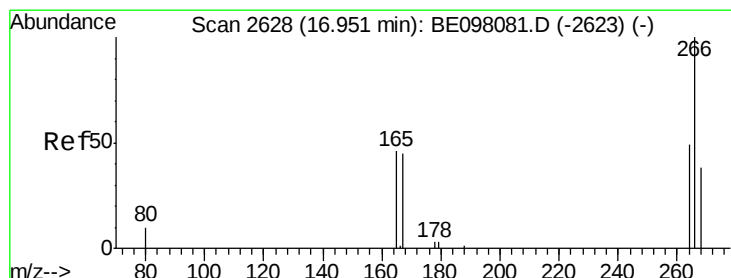
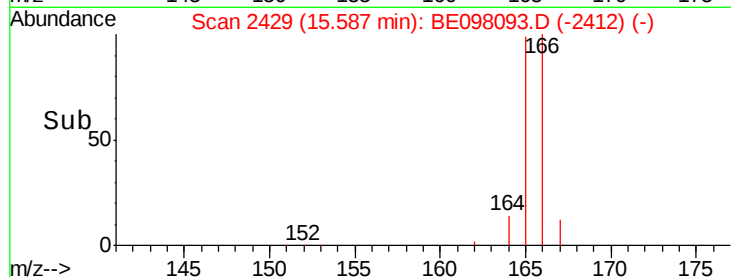
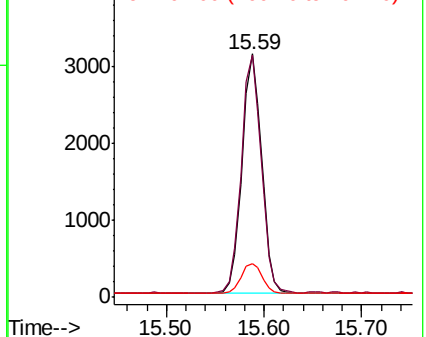
166 100

165 99.3 80.2 120.4

167 13.8 12.0 18.0



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: 0.493 ng/ul

RT: 16.95 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

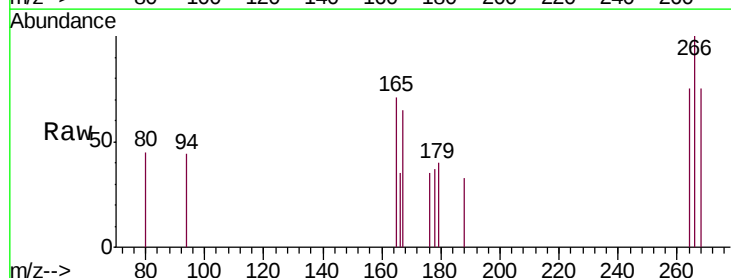
Tgt Ion:266 Resp: 208

Ion Ratio Lower Upper

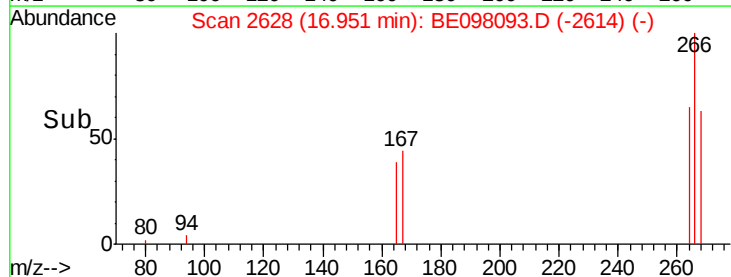
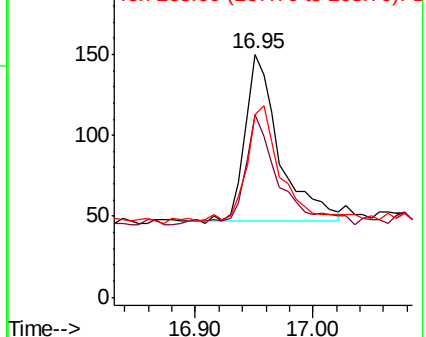
266 100

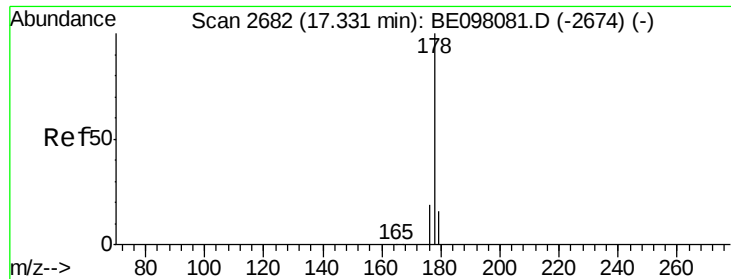
264 64.4 48.5 72.7

268 66.8 53.7 80.5



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: 0.379 ng/ul

RT: 17.33 min Scan# 2682

Delta R.T. -0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.472

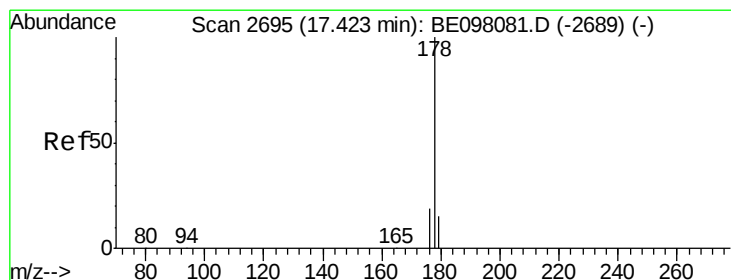
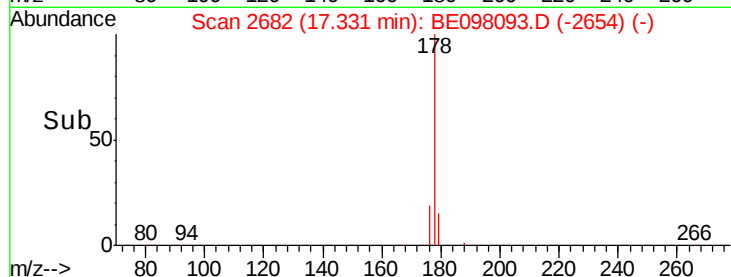
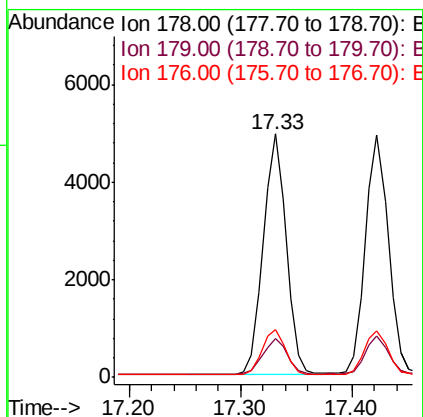
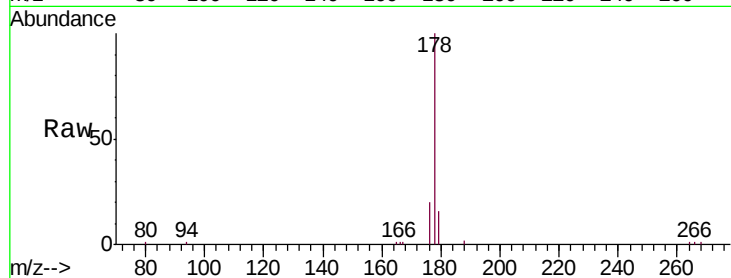
Tgt Ion:178 Resp: 7060

Ion Ratio Lower Upper

178 100

179 15.9 13.0 19.4

176 19.7 15.7 23.5



#13

Anthracene

Concen: 0.378 ng/ul

RT: 17.42 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

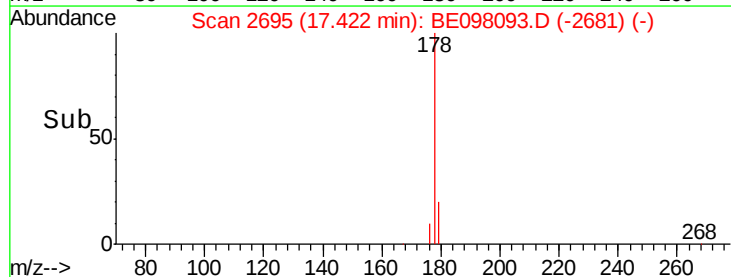
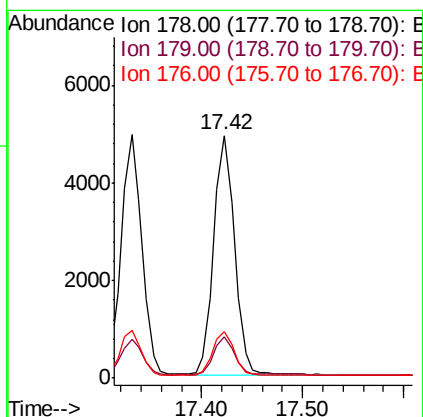
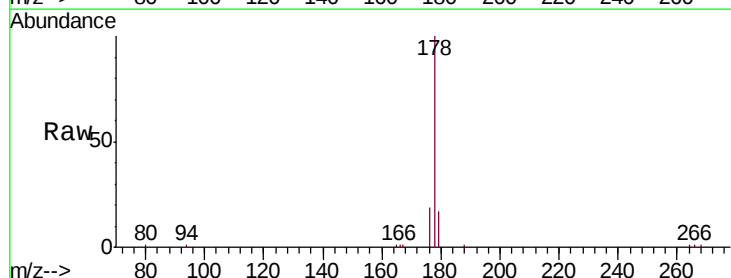
Tgt Ion:178 Resp: 6938

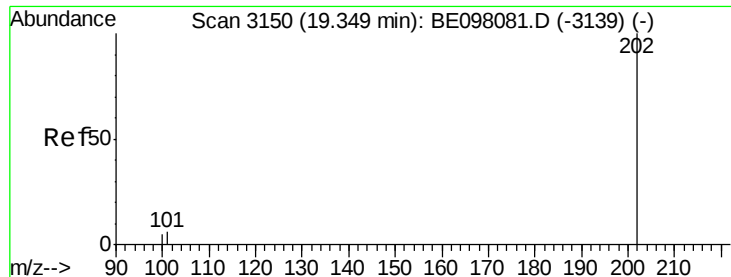
Ion Ratio Lower Upper

178 100

179 17.0 12.6 19.0

176 19.2 15.6 23.4

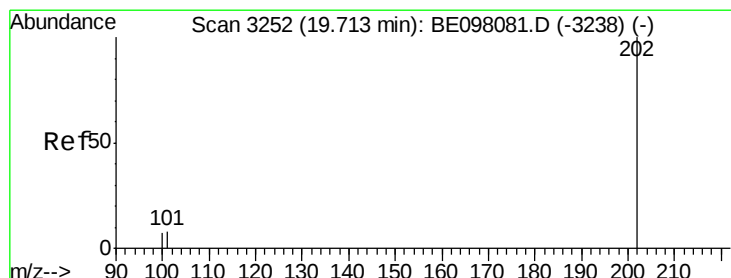
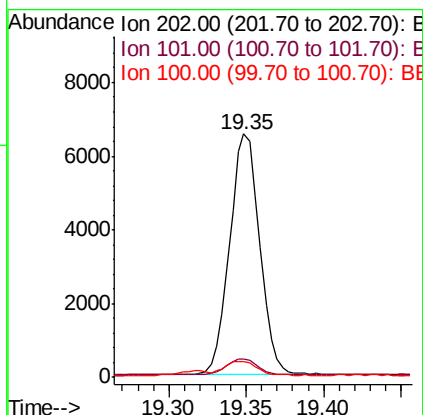
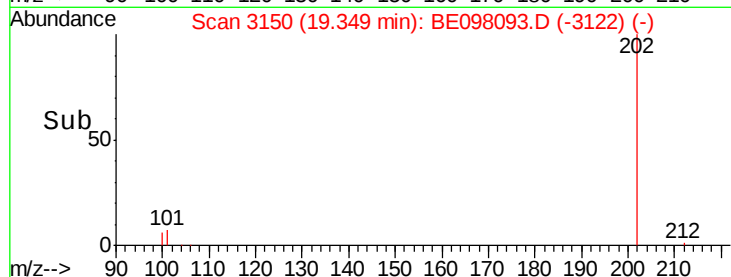
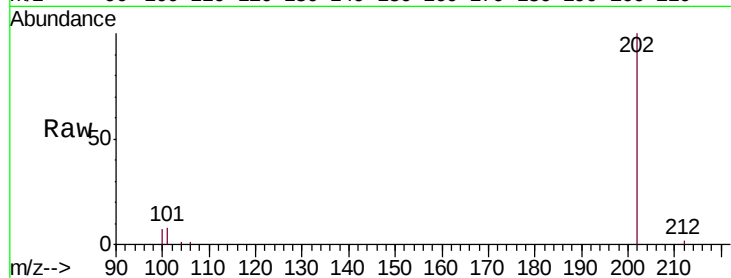




#15
Fluoranthene
 Concen: 0.372 ng/ul
 RT: 19.35 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: BE098093.D
 Acq: 26 Oct 2018 17:53

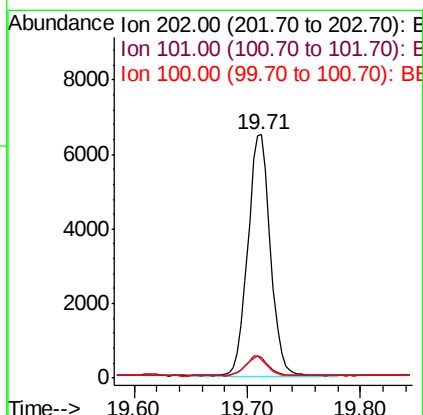
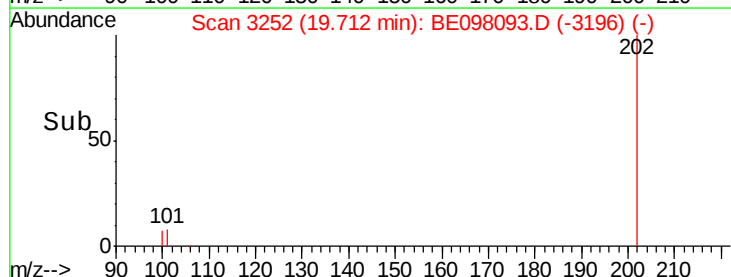
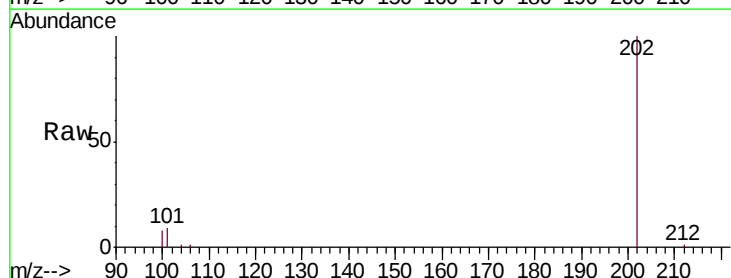
Instrument :
 BNA_E
 ClientSampleId :
 SST0.472

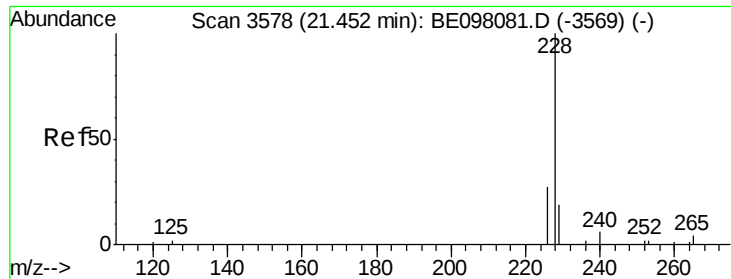
Tgt Ion:202 Resp: 8814
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 27.5
 100 6.5 0.0 26.0



#17
Pyrene
 Concen: 0.318 ng/ul
 RT: 19.71 min Scan# 3252
 Delta R.T. -0.00 min
 Lab File: BE098093.D
 Acq: 26 Oct 2018 17:53

Tgt Ion:202 Resp: 9027
 Ion Ratio Lower Upper
 202 100
 101 8.7 6.9 10.3
 100 7.6 6.0 9.0





#18

Benzo(a)anthracene

Concen: 0.320 ng/ul

RT: 21.45 min Scan# 3578

Delta R.T. 0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.472

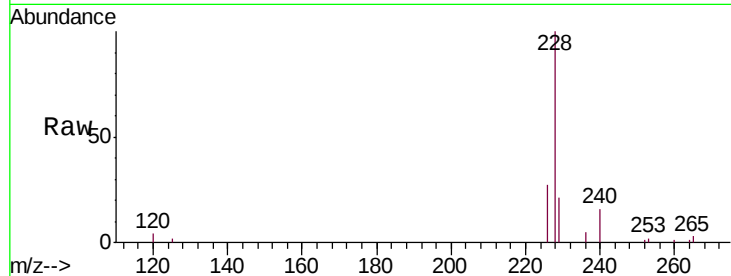
Tgt Ion:228 Resp: 11428

Ion Ratio Lower Upper

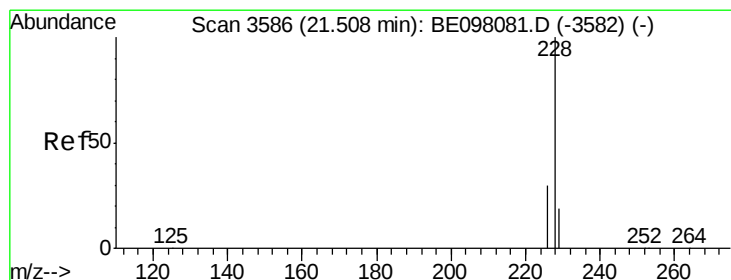
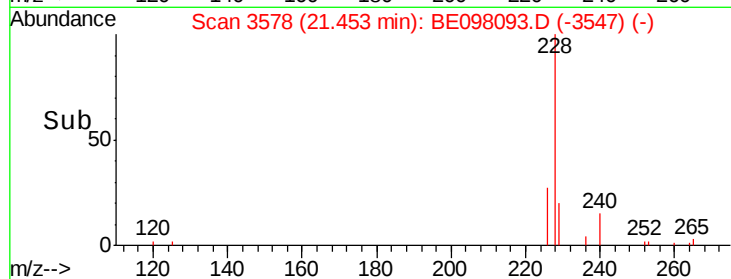
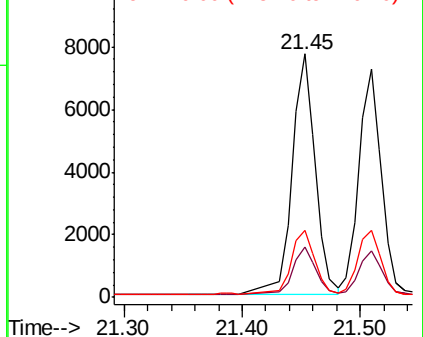
228 100

229 20.9 16.1 24.1

226 27.4 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: 0.346 ng/ul

RT: 21.51 min Scan# 3586

Delta R.T. 0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

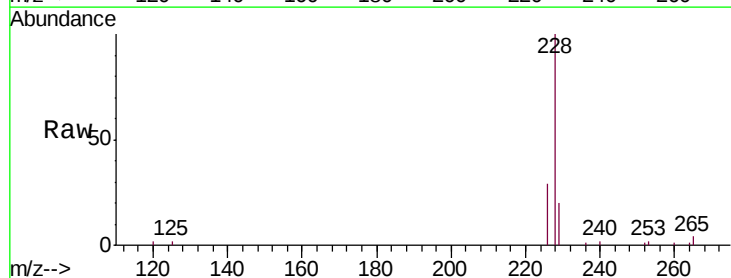
Tgt Ion:228 Resp: 9579

Ion Ratio Lower Upper

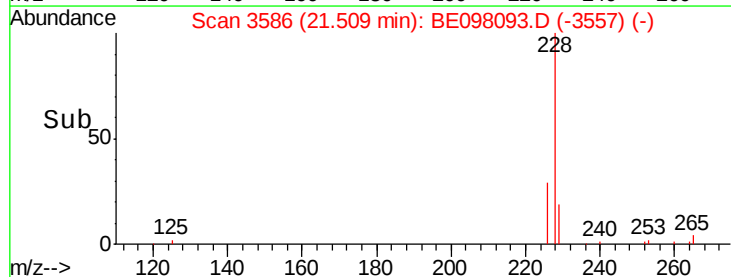
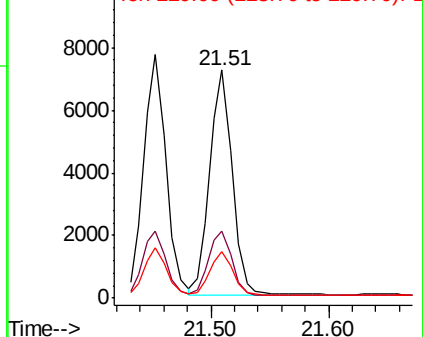
228 100

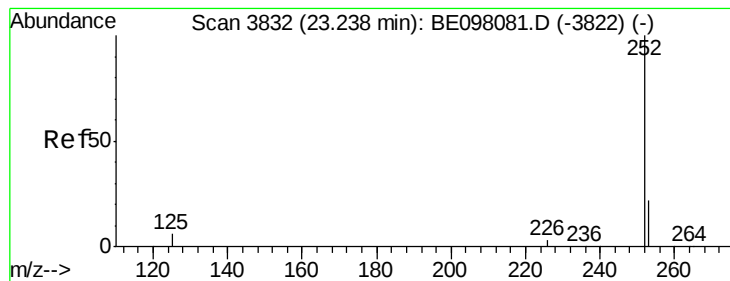
226 29.3 24.6 37.0

229 20.3 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: 0.343 ng/ul

RT: 23.24 min Scan# 3832

Delta R.T. 0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

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SSTD0.472

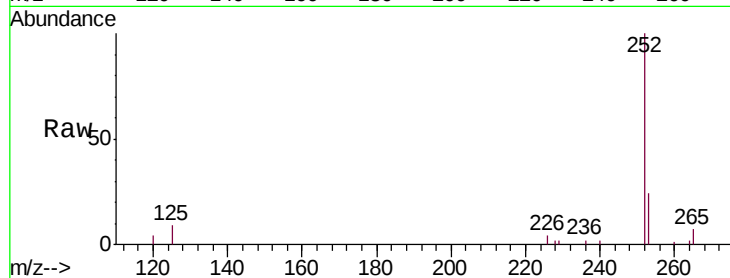
Tgt Ion:252 Resp: 9598

Ion Ratio Lower Upper

252 100

253 24.2 0.0 47.8

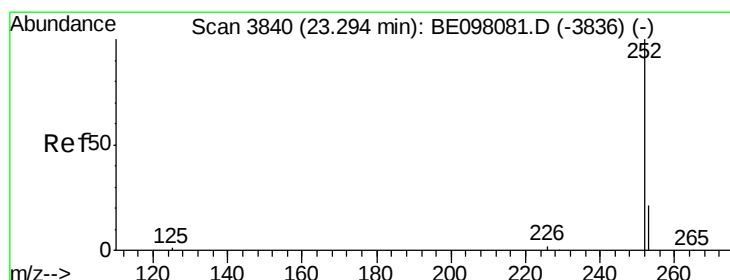
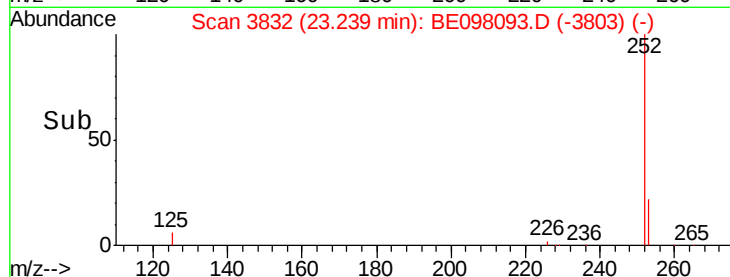
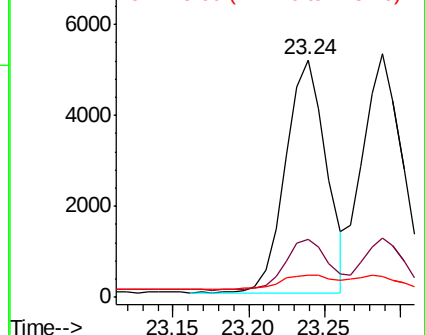
125 9.1 0.0 16.8



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: 0.355 ng/ul

RT: 23.29 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

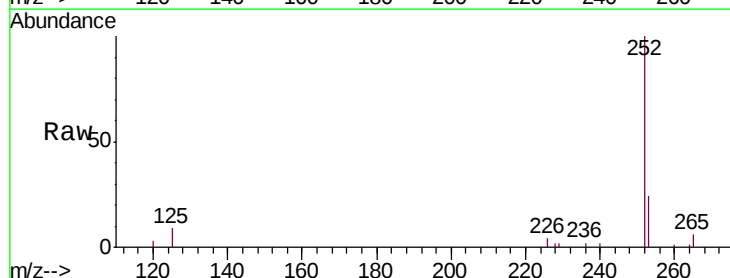
Tgt Ion:252 Resp: 9730

Ion Ratio Lower Upper

252 100

253 24.2 19.3 28.9

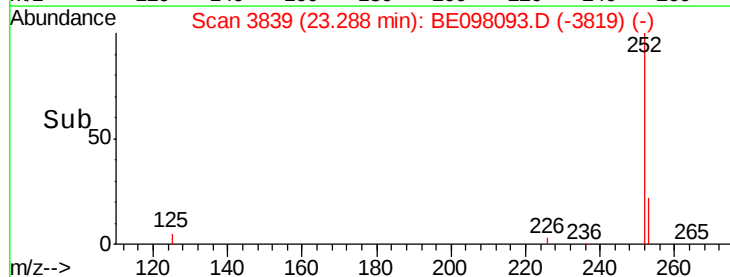
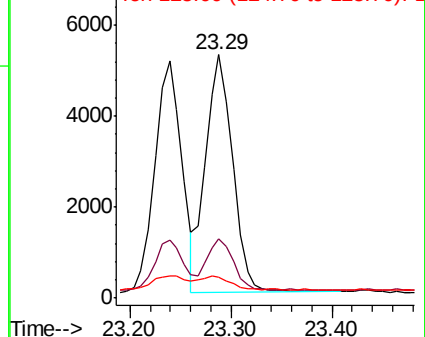
125 8.6 6.2 9.2

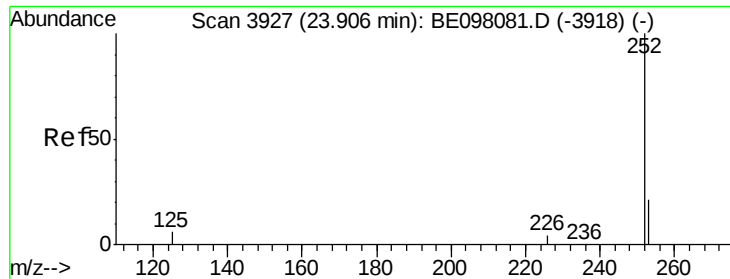


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.348 ng/ul

RT: 23.90 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.472

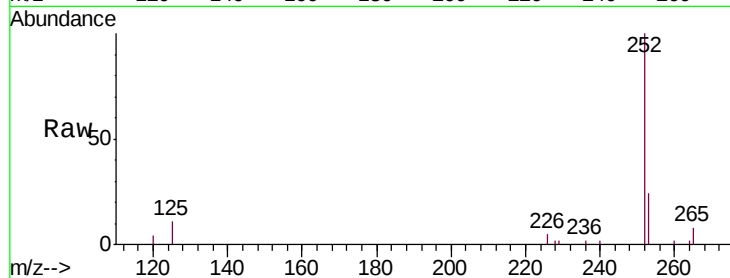
Tgt Ion:252 Resp: 9387

Ion Ratio Lower Upper

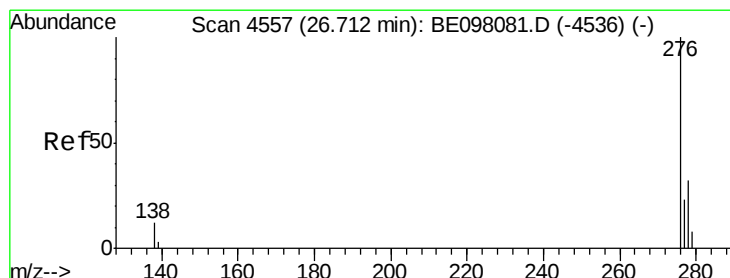
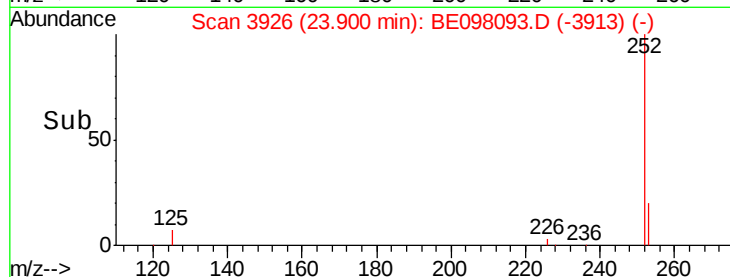
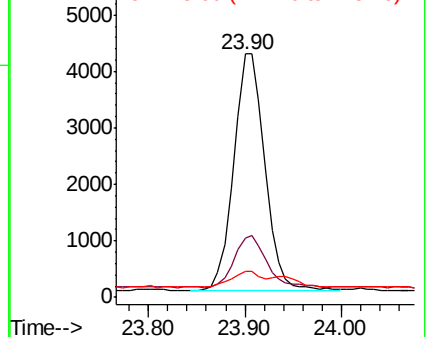
252 100

253 24.4 19.4 29.2

125 10.8 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: 0.354 ng/ul

RT: 26.71 min Scan# 4557

Delta R.T. -0.00 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

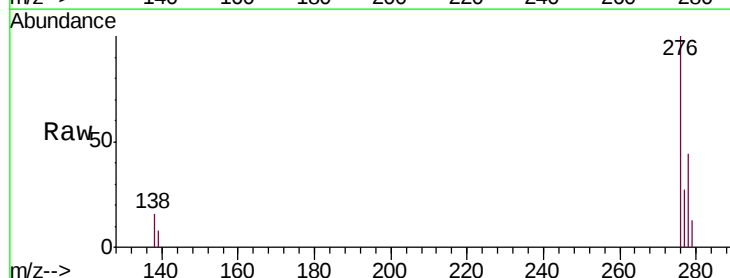
Tgt Ion:276 Resp: 10933

Ion Ratio Lower Upper

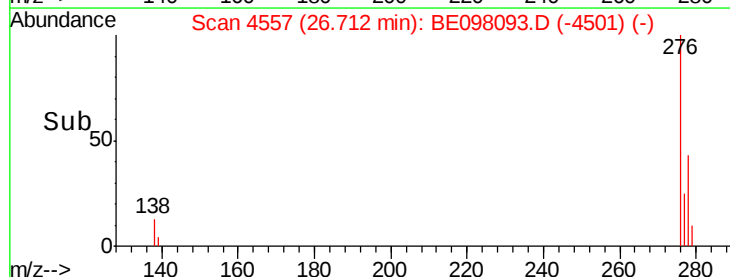
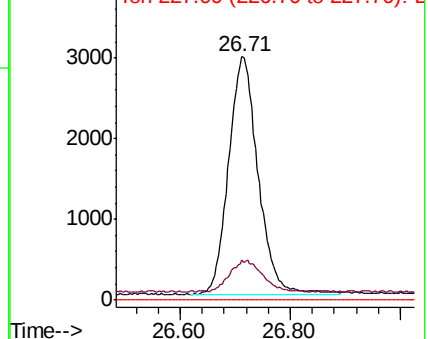
276 100

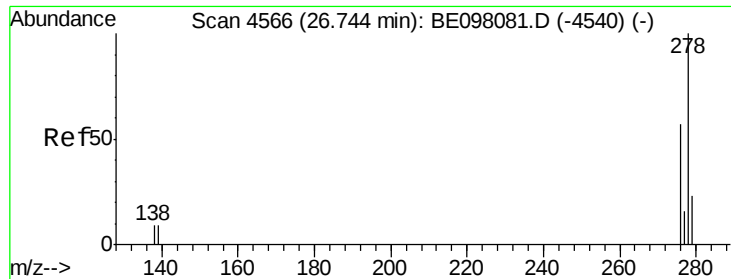
138 14.3 11.8 17.8

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: 0.349 ng/ul

RT: 26.74 min Scan# 4564

Delta R.T. -0.01 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.472

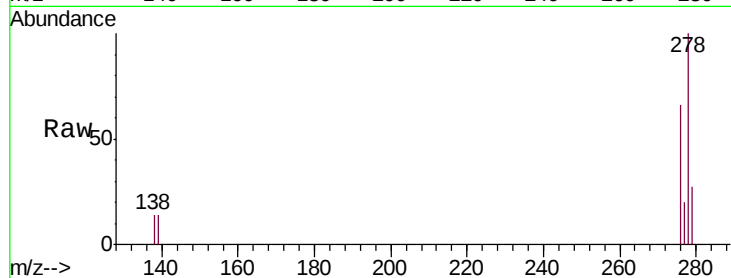
Tgt Ion: 278 Resp: 8990

Ion Ratio Lower Upper

278 100

139 13.6 10.0 15.0

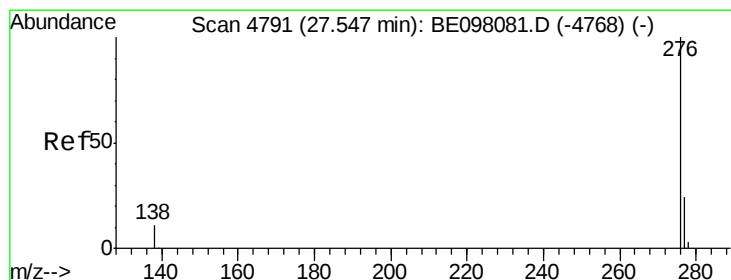
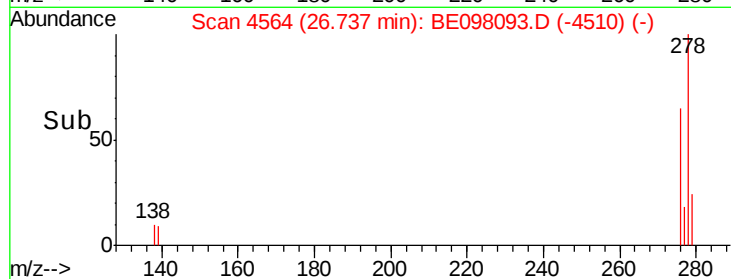
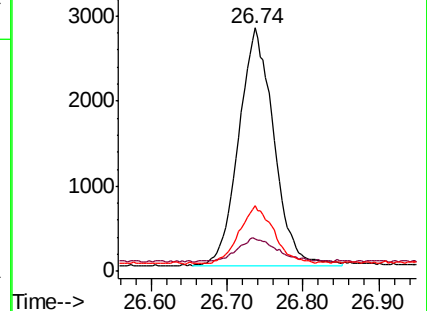
279 26.8 20.3 30.5



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: 0.348 ng/ul

RT: 27.54 min Scan# 4789

Delta R.T. -0.01 min

Lab File: BE098093.D

Acq: 26 Oct 2018 17:53

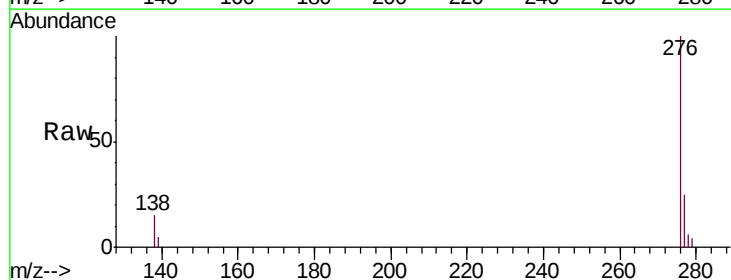
Tgt Ion: 276 Resp: 9055

Ion Ratio Lower Upper

276 100

138 15.0 11.6 17.4

277 25.3 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

