

Data File : BE098030.D
Acq On : 23 Oct 2018 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.460

Quant Time: Oct 23 04:31:06 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 02:34:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1319	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	6536	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	4634	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	11198	0.40	ng/ul	0.00
16) Chrysene-d12	21.48	240	15581	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	12838	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4447	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	13577	0.37	ng/ul	0.00

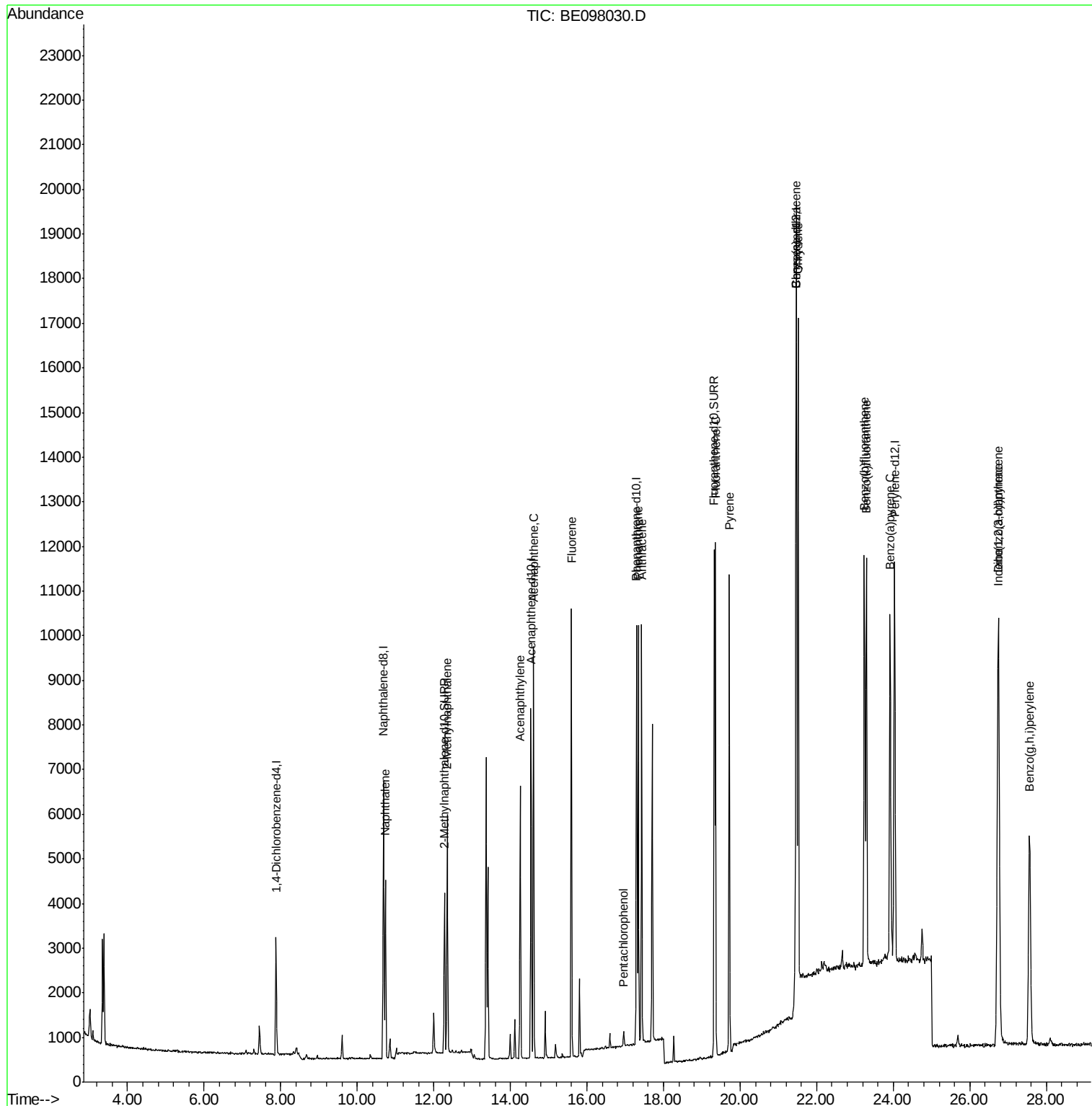
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	6028	0.383	ng/ul	97
5) 2-Methylnaphthalene	12.35	142	4501	0.430	ng/ul	98
7) Acenaphthylene	14.26	152	7099	0.435	ng/ul	97
8) Acenaphthene	14.60	153	5178	0.381	ng/ul	99
9) Fluorene	15.59	166	6199	0.378	ng/ul	97
11) Pentachlorophenol	16.96	266	193	0.189	ng/ul#	89
12) Phenanthrene	17.34	178	9808	0.367	ng/ul	98
13) Anthracene	17.43	178	10010	0.441	ng/ul	99
15) Fluoranthene	19.36	202	12346	0.350	ng/ul	99
17) Pyrene	19.72	202	12462	0.326	ng/ul	98
18) Benzo(a)anthracene	21.46	228	16741	0.387	ng/ul	98
19) Chrysene	21.51	228	13194	0.316	ng/ul	97
21) Benzo(b)fluoranthene	23.24	252	13436	0.405	ng/ul	95
22) Benzo(k)fluoranthene	23.30	252	13188	0.351	ng/ul	96
23) Benzo(a)pyrene	23.92	252	12958	0.427	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	26.73	276	14968	0.434	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.75	278	12512	0.434	ng/ul	95
26) Benzo(g,h,i)perylene	27.56	276	12566	0.386	ng/ul	97

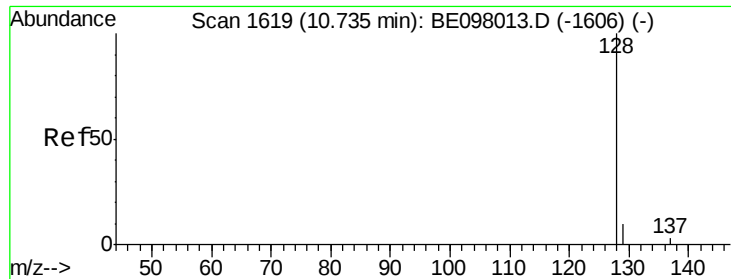
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.383 ng/ul

RT: 10.74 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.460

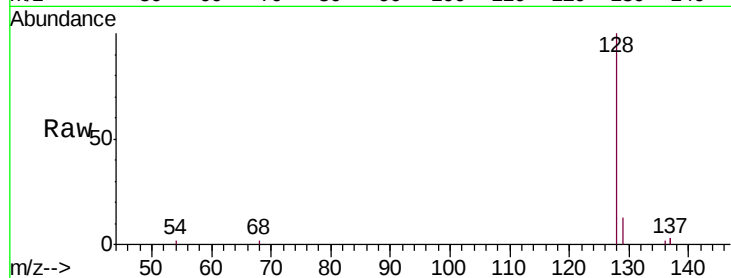
Tgt Ion:128 Resp: 6028

Ion Ratio Lower Upper

128 100

129 12.6 9.1 13.7

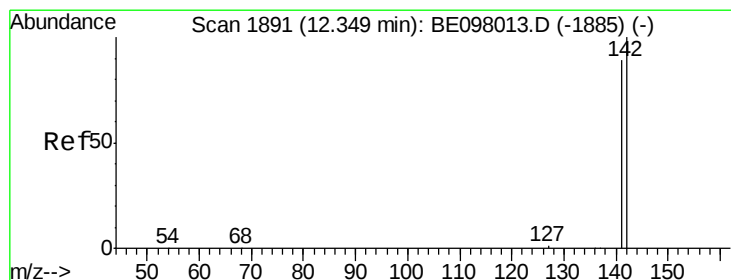
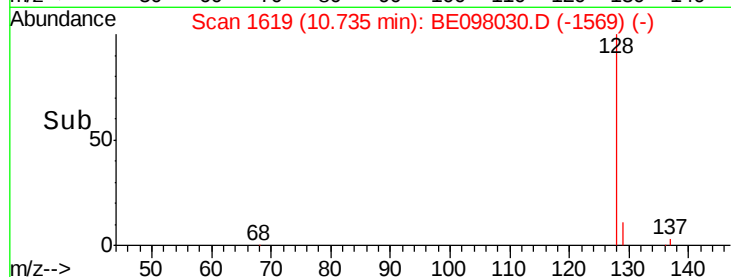
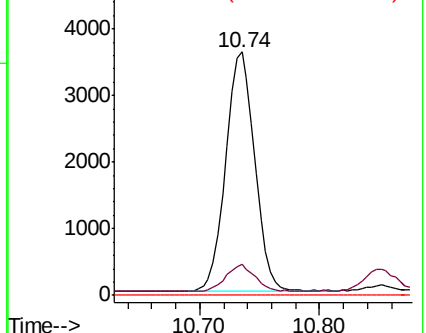
127 0.0 0.0 0.0



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: 0.430 ng/ul

RT: 12.35 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE098030.D

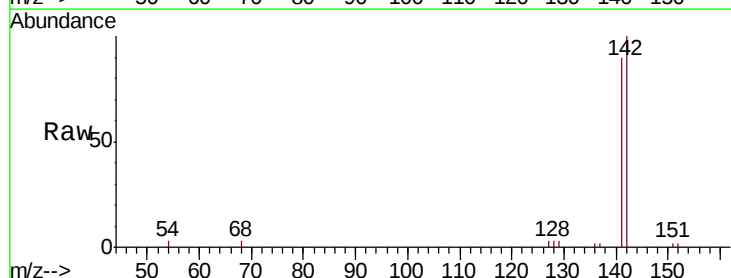
Acq: 23 Oct 2018 3:56

Tgt Ion:142 Resp: 4501

Ion Ratio Lower Upper

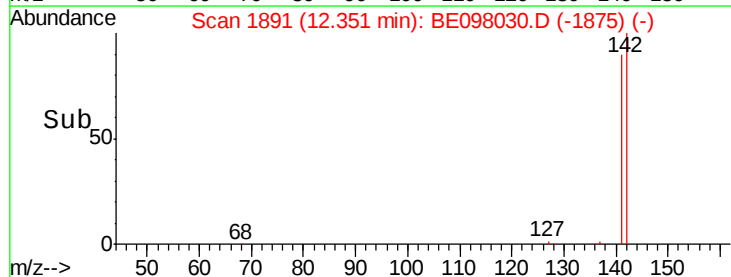
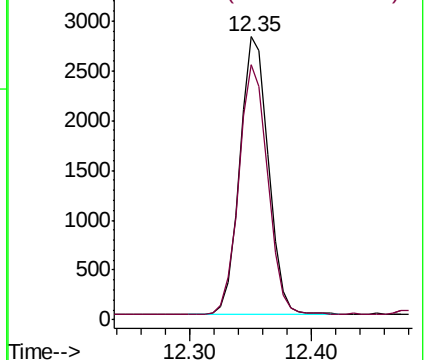
142 100

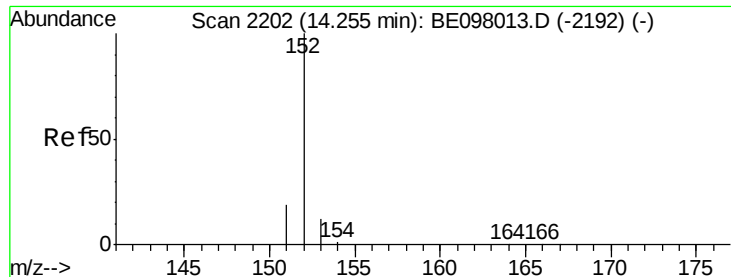
141 91.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.435 ng/ul

RT: 14.26 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.460

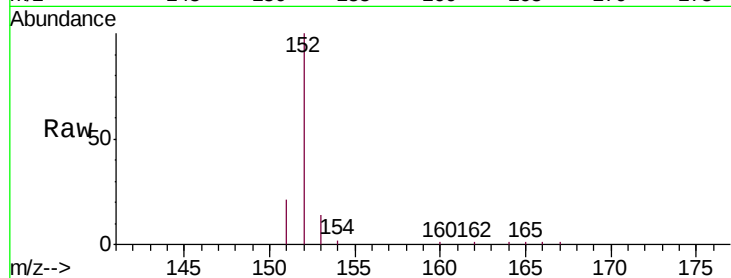
Tgt Ion:152 Resp: 7099

Ion Ratio Lower Upper

152 100

151 20.7 15.0 22.6

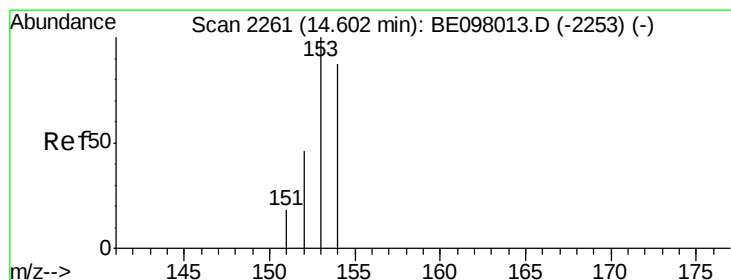
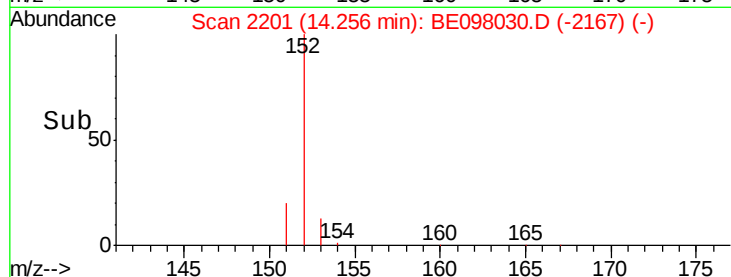
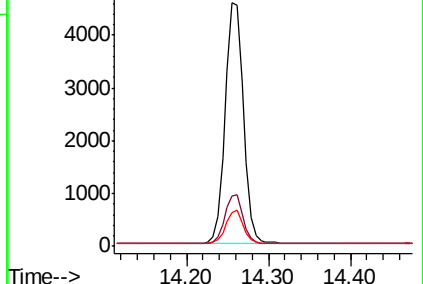
153 13.6 10.5 15.7



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: 0.381 ng/ul

RT: 14.60 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

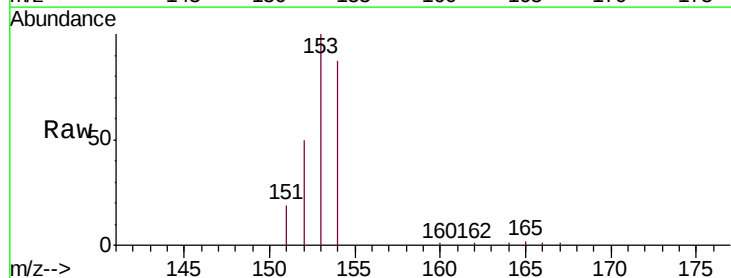
Tgt Ion:153 Resp: 5178

Ion Ratio Lower Upper

153 100

152 50.0 41.2 61.8

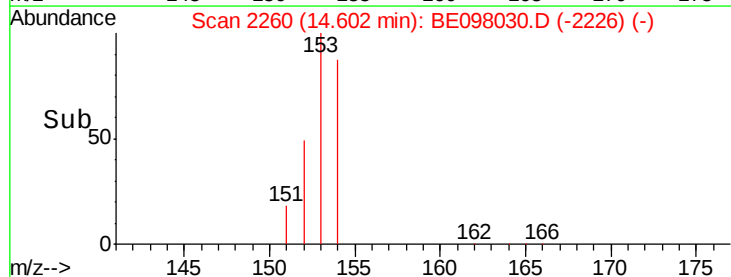
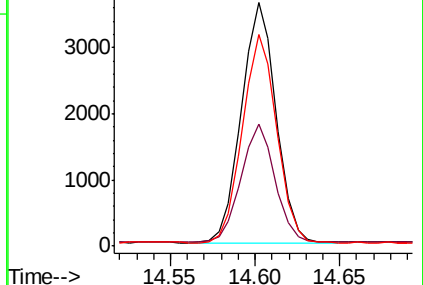
154 86.7 68.6 103.0

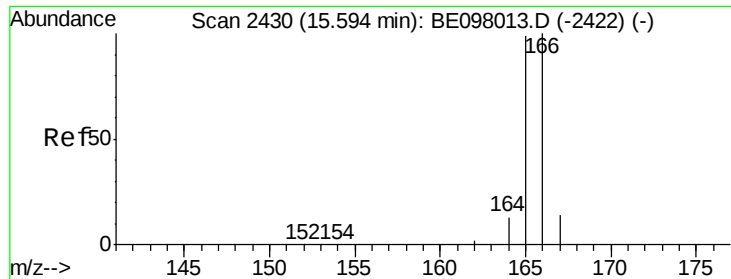


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.378 ng/ul

RT: 15.59 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.460

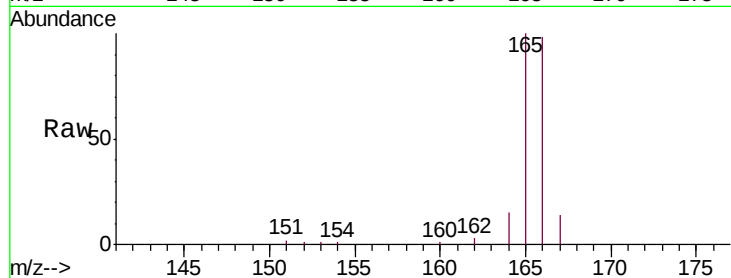
Tgt Ion:166 Resp: 6199

Ion Ratio Lower Upper

166 100

165 102.2 79.2 118.8

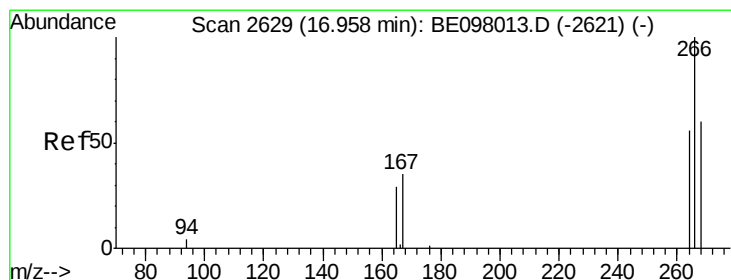
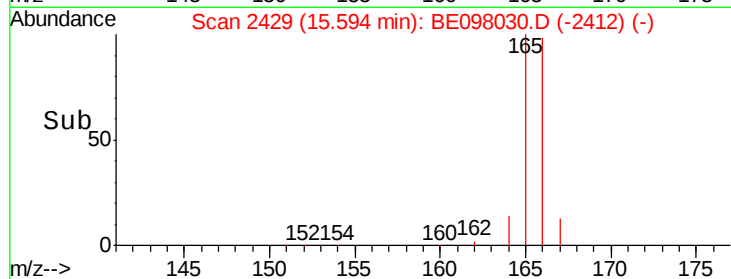
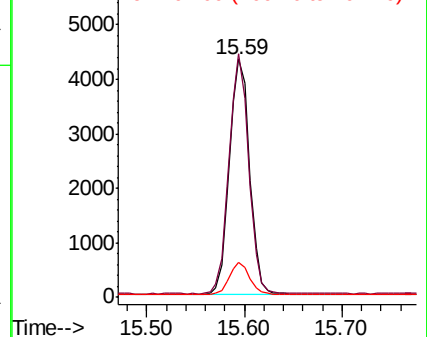
167 14.6 11.3 16.9



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: 0.189 ng/ul

RT: 16.96 min Scan# 2628

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

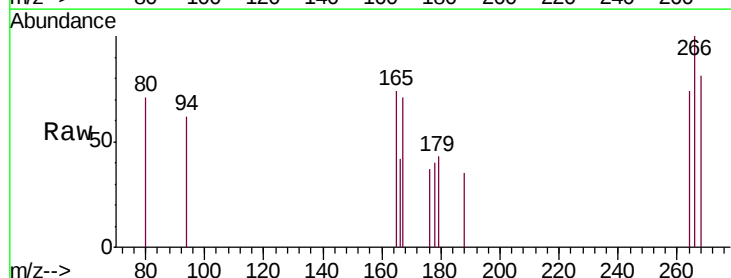
Tgt Ion:266 Resp: 193

Ion Ratio Lower Upper

266 100

264 66.3 49.8 74.8

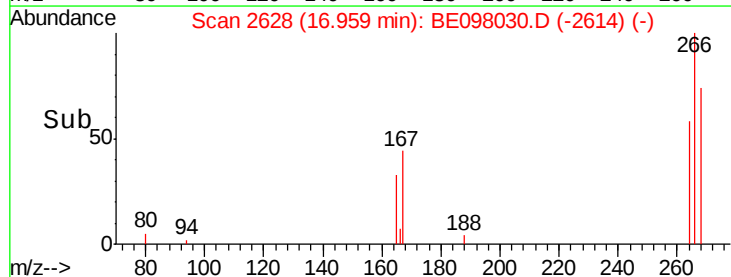
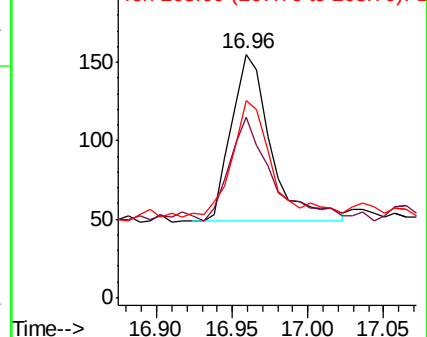
268 73.6 48.4 72.6#

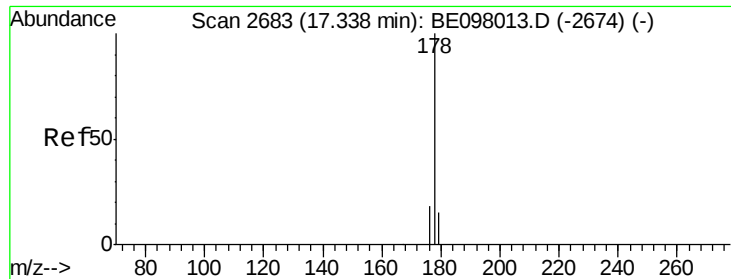


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.367 ng/ul

RT: 17.34 min Scan# 2682

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.460

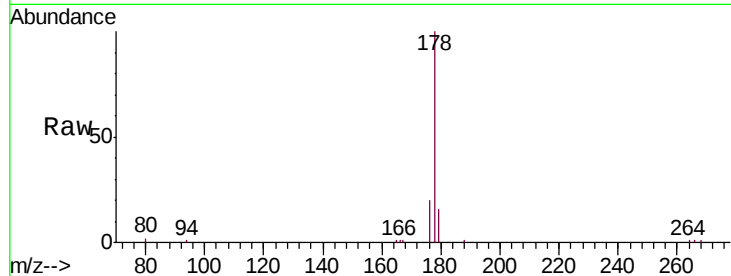
Tgt Ion:178 Resp: 9808

Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

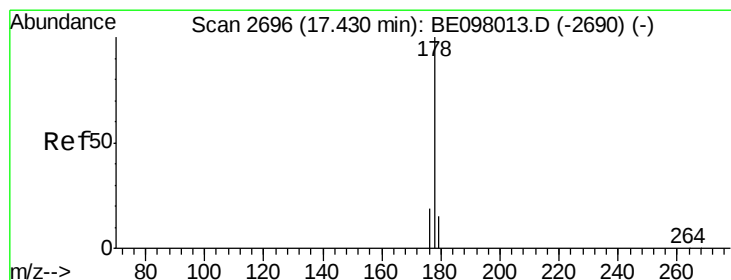
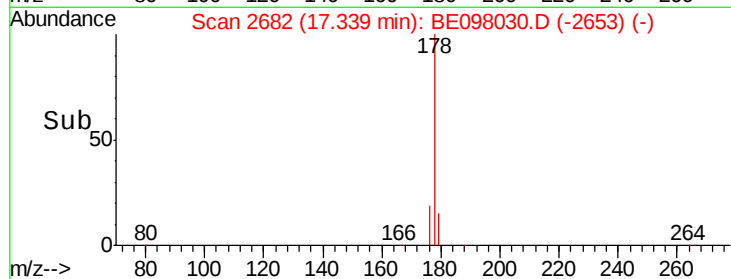
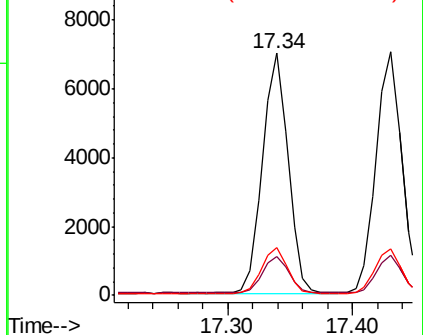
176 20.0 14.9 22.3



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: 0.441 ng/ul

RT: 17.43 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

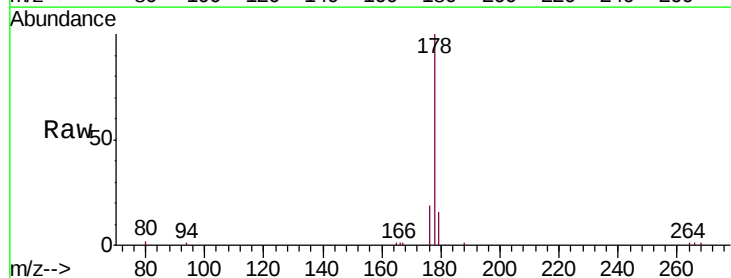
Tgt Ion:178 Resp: 10010

Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

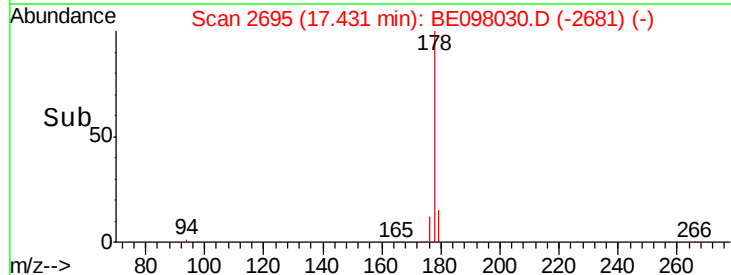
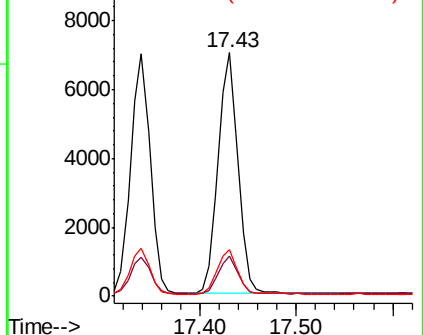
176 19.0 15.5 23.3

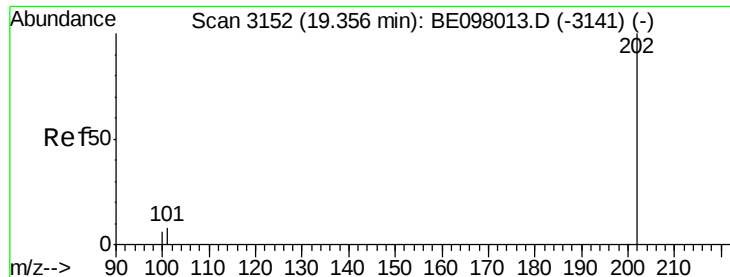


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

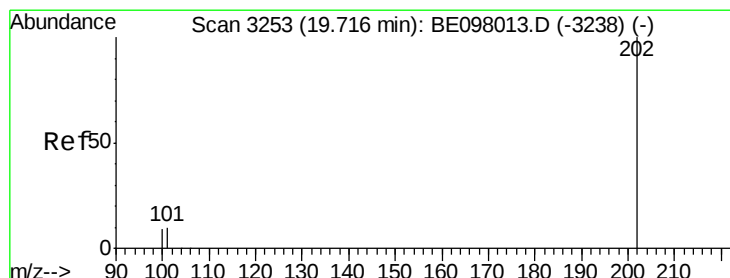
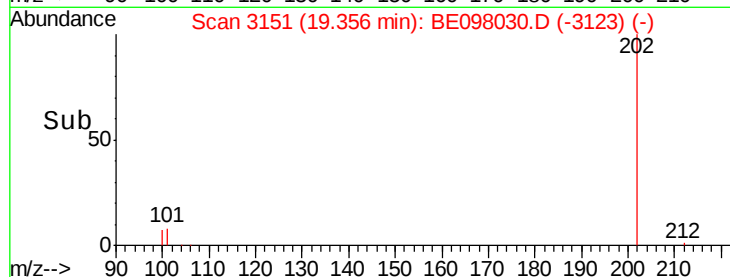
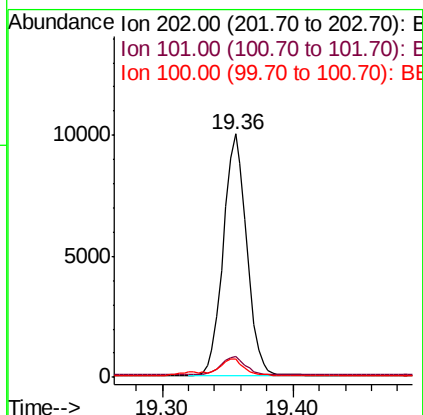
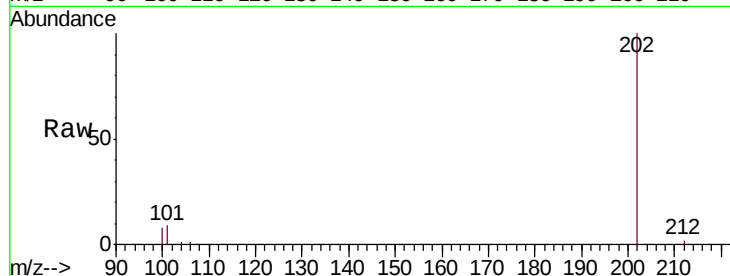




#15
Fluoranthene
 Concen: 0.350 ng/ul
 RT: 19.36 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: BE098030.D
 Acq: 23 Oct 2018 3:56

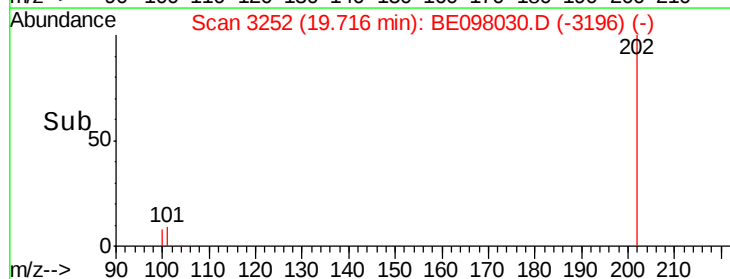
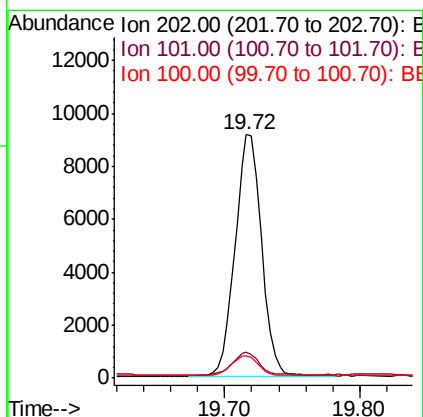
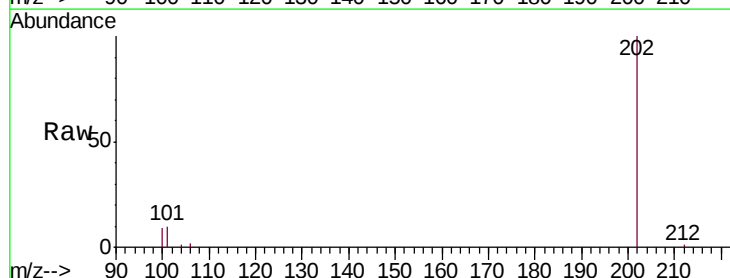
Instrument :
 BNA_E
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 SST0.460

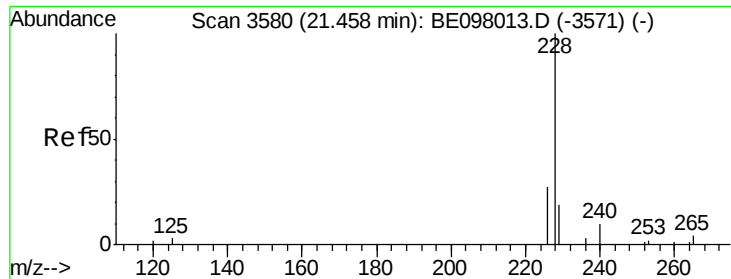
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	29.3
100	7.5	0.0	27.5



#17
Pyrene
 Concen: 0.326 ng/ul
 RT: 19.72 min Scan# 3252
 Delta R.T. 0.00 min
 Lab File: BE098030.D
 Acq: 23 Oct 2018 3:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.8	13.2
100	9.3	7.9	11.9





#18

Benzo(a)anthracene

Concen: 0.387 ng/ul

RT: 21.46 min Scan# 3578

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.460

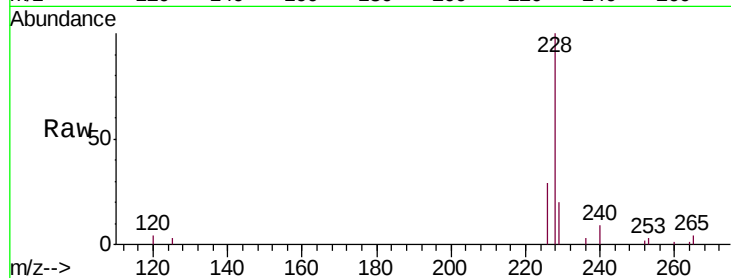
Tgt Ion:228 Resp: 16741

Ion Ratio Lower Upper

228 100

229 20.2 16.4 24.6

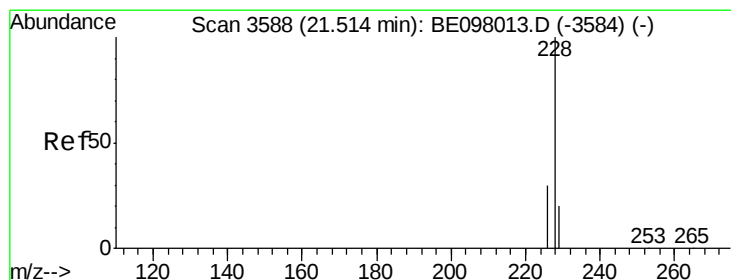
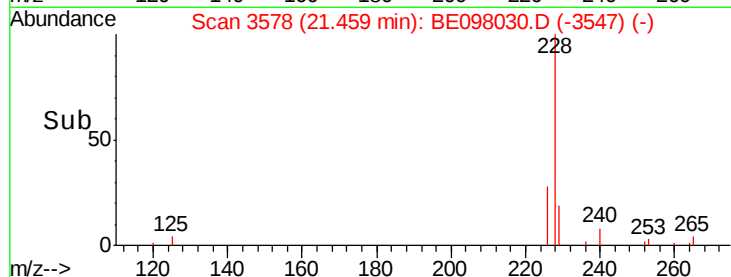
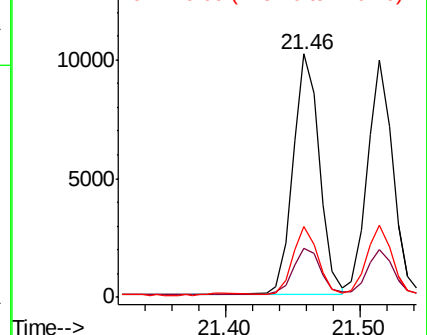
226 28.8 21.5 32.3



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: 0.316 ng/ul

RT: 21.51 min Scan# 3586

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

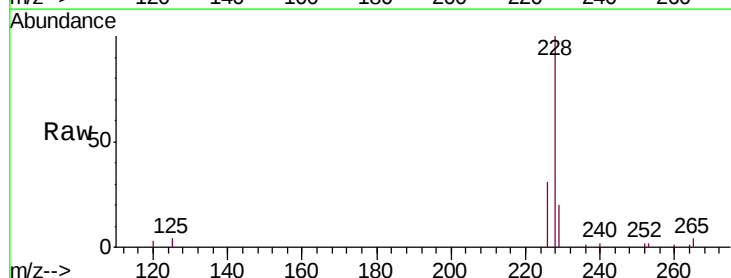
Tgt Ion:228 Resp: 13194

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

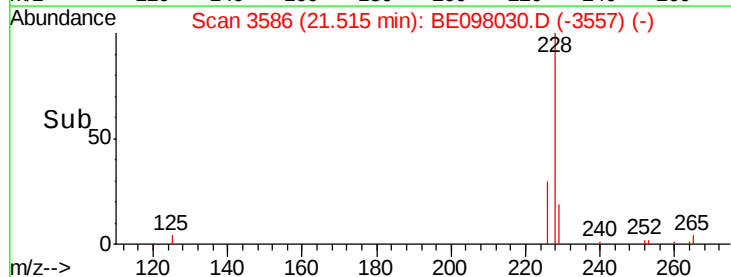
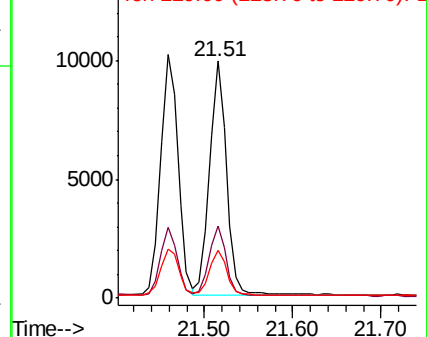
229 20.4 15.5 23.3

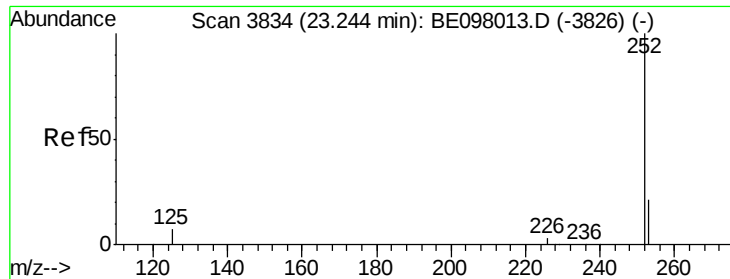


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.405 ng/ul

RT: 23.24 min Scan# 3832

Delta R.T. 0.00 min

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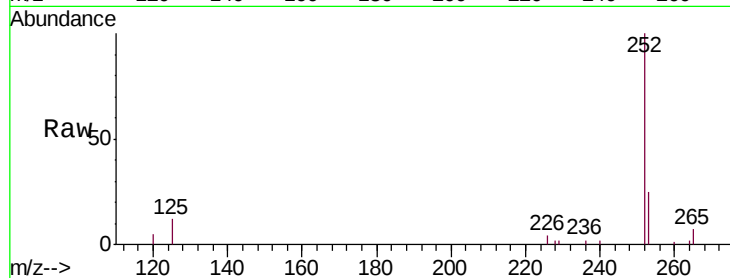
Tgt Ion:252 Resp: 13436

Ion Ratio Lower Upper

252 100

253 25.2 0.0 47.0

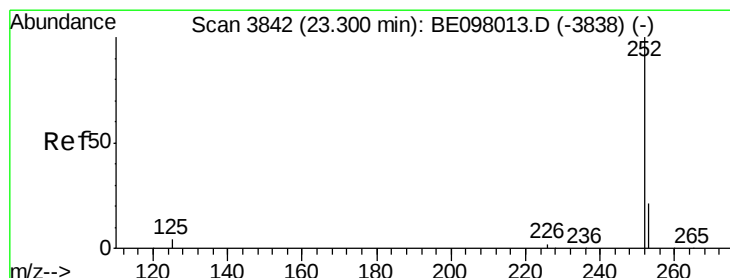
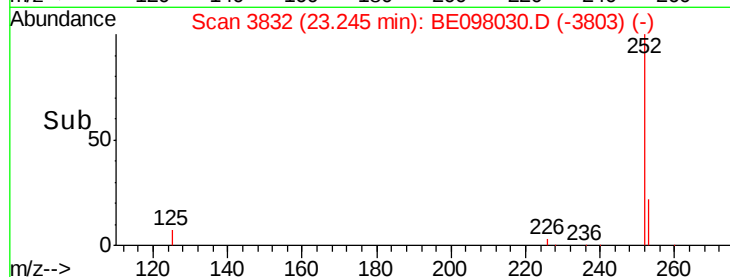
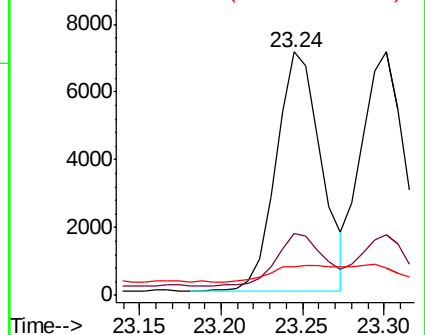
125 11.8 0.0 18.2



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: 0.351 ng/ul

RT: 23.30 min Scan# 3840

Delta R.T. 0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

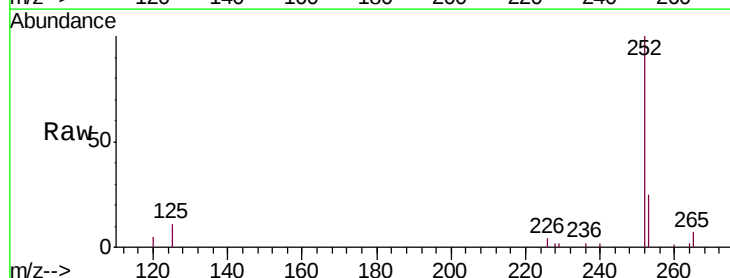
Tgt Ion:252 Resp: 13188

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.6

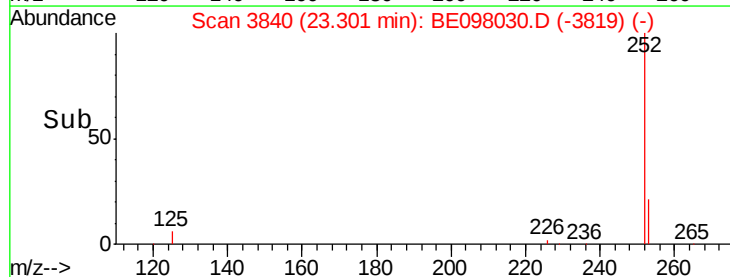
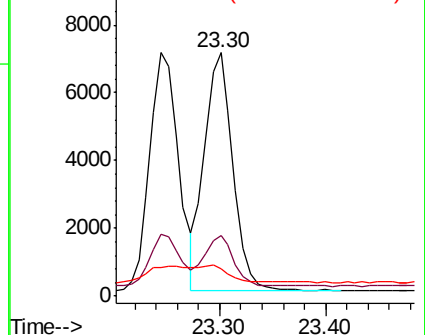
125 11.4 9.4 14.0

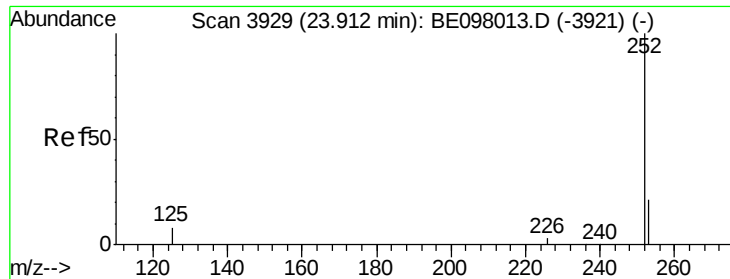


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.427 ng/ul

RT: 23.92 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.460

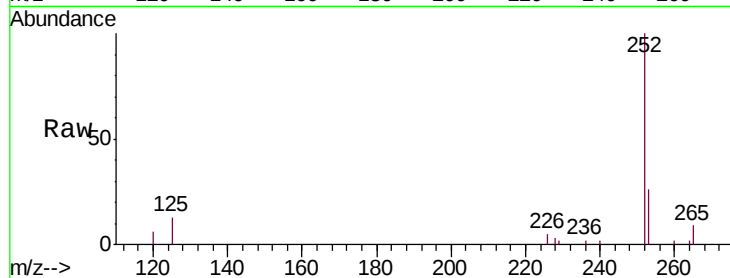
Tgt Ion:252 Resp: 12958

Ion Ratio Lower Upper

252 100

253 25.9 18.2 27.4

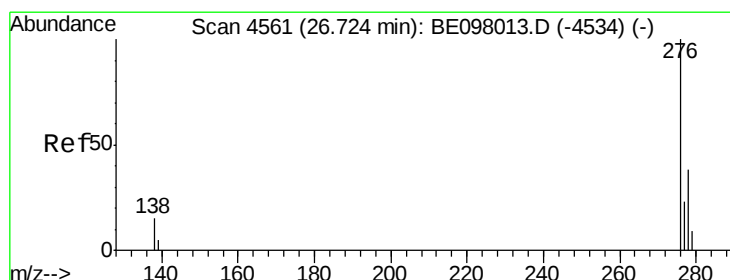
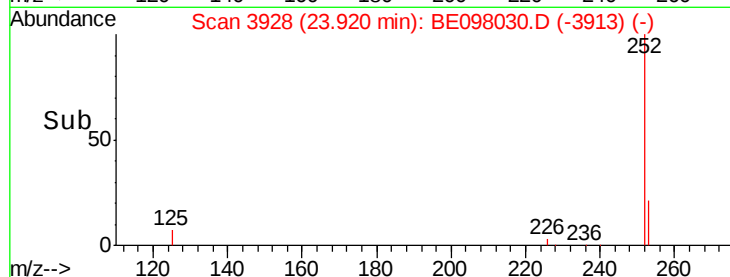
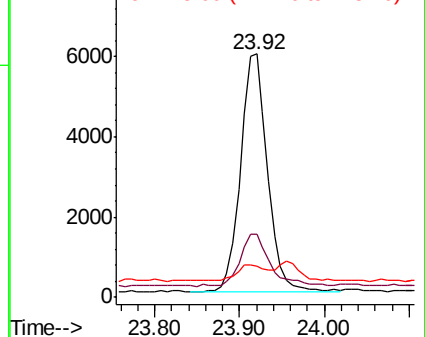
125 13.0 8.3 12.5#



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: 0.434 ng/ul

RT: 26.73 min Scan# 4562

Delta R.T. 0.01 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

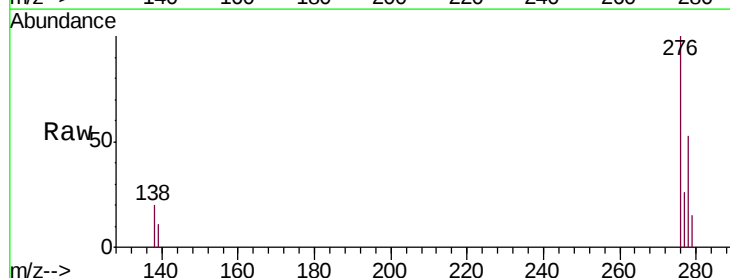
Tgt Ion:276 Resp: 14968

Ion Ratio Lower Upper

276 100

138 17.4 0.0 0.0#

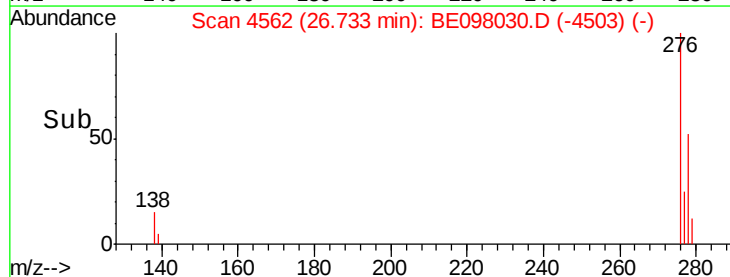
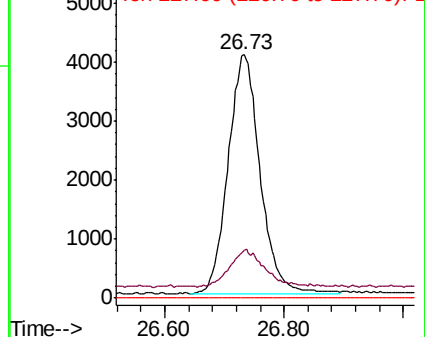
227 0.0 0.0 0.0

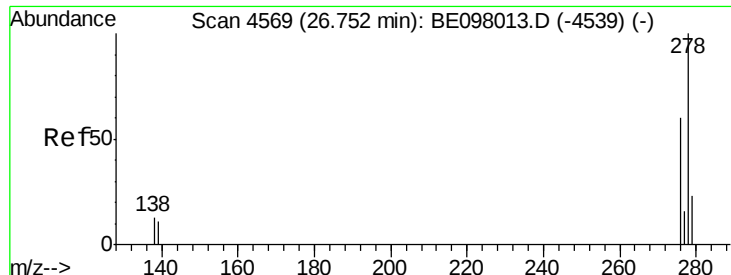


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.434 ng/ul

RT: 26.75 min Scan# 4567

Delta R.T. -0.00 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

Instrument :

BNA_E

ClientSampleId :

SSTD0.460

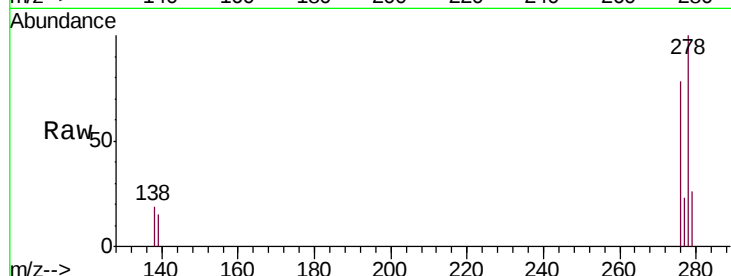
Tgt Ion: 278 Resp: 12512

Ion Ratio Lower Upper

278 100

139 15.5 10.9 16.3

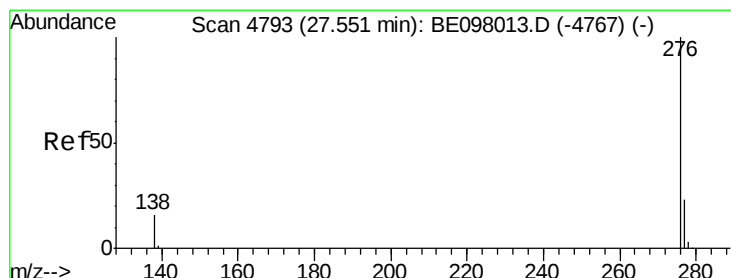
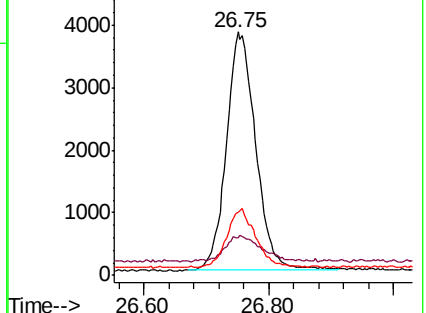
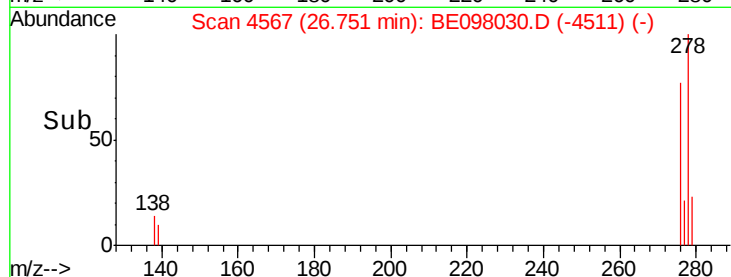
279 25.9 18.8 28.2



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: 0.386 ng/ul

RT: 27.56 min Scan# 4795

Delta R.T. 0.01 min

Lab File: BE098030.D

Acq: 23 Oct 2018 3:56

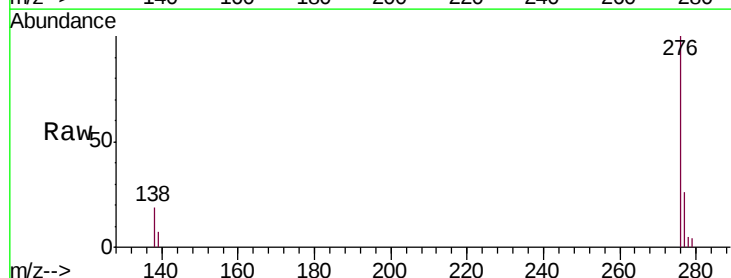
Tgt Ion: 276 Resp: 12566

Ion Ratio Lower Upper

276 100

138 19.3 14.3 21.5

277 26.2 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

