

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122818\
 Data File : BE098569.D
 Acq On : 28 Dec 2018 11:52
 Operator : SJ/JU
 Sample : SSTD1.606
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1.606

Quant Time: Dec 28 12:28:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE122818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 28 11:34:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	893	0.40	ng/ul	0.00
2) Naphthalene-d8	10.61	136	4173	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	2669	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	6539	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	7892	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	7423	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.20	152	11308	1.52	ng/ul	0.00
14) Fluoranthene-d10	19.26	212	34751	1.64	ng/ul	0.00

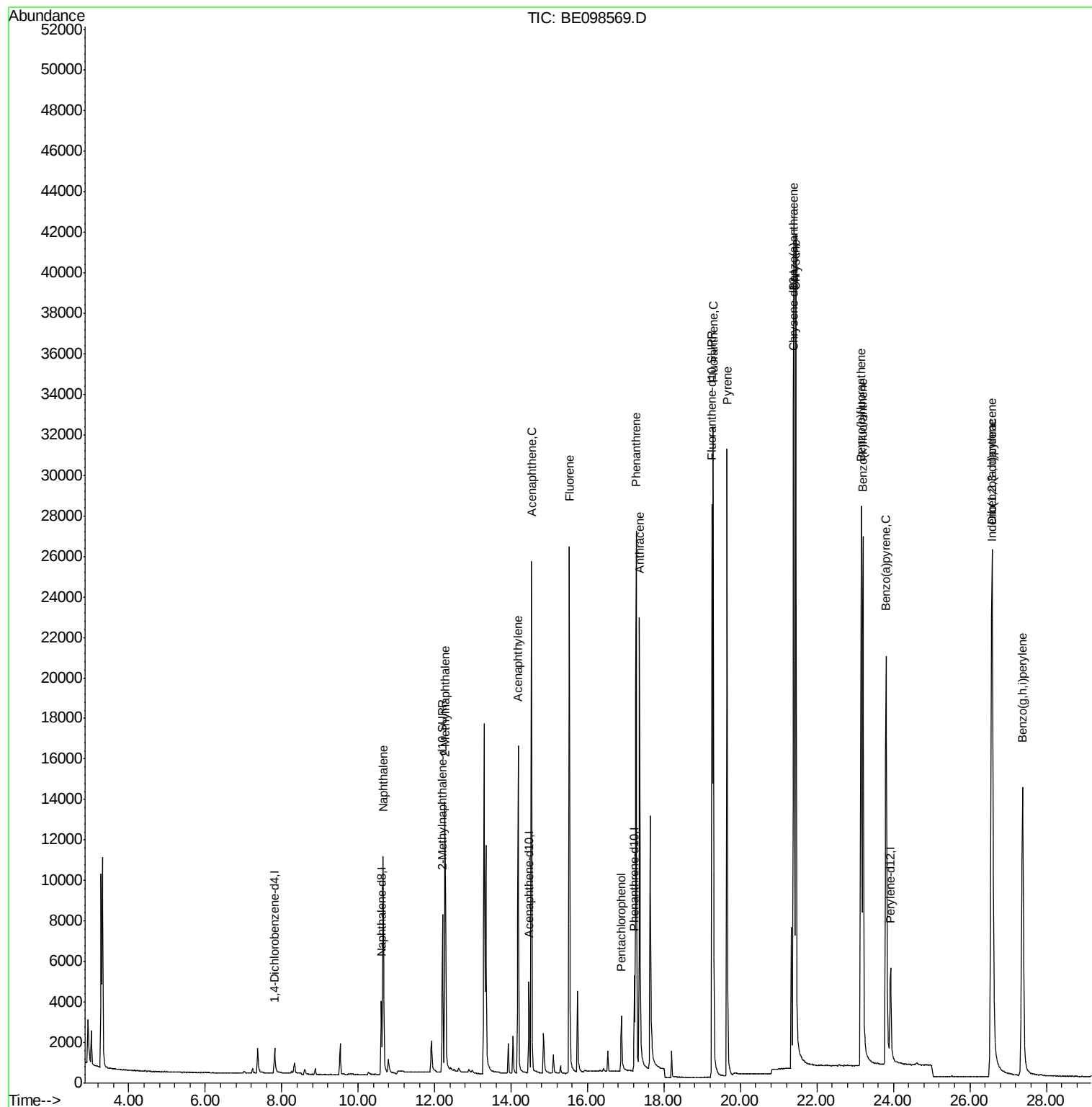
Target Compounds				Ovalue		
3) Naphthalene	10.65	128	18205	1.823	ng/ul	96
5) 2-Methylnaphthalene	12.27	142	12608	1.670	ng/ul	99
7) Acenaphthylene	14.18	152	19230	1.826	ng/ul	96
8) Acenaphthene	14.53	153	14781	1.879	ng/ul	99
9) Fluorene	15.52	166	17851	1.885	ng/ul	100
11) Pentachlorophenol	16.89	266	1776	5.191	ng/ul	96
12) Phenanthrene	17.27	178	29073	1.926	ng/ul	99
13) Anthracene	17.36	178	27000	1.812	ng/ul	99
15) Fluoranthene	19.29	202	38015	1.976	ng/ul	97
17) Pyrene	19.65	202	42551	2.309	ng/ul	98
18) Benzo(a)anthracene	21.39	228	39455	1.700	ng/ul	99
19) Chrysene	21.45	228	43884	2.445	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	39560	1.924	ng/ul	97
22) Benzo(k)fluoranthene	23.20	252	39933	1.984	ng/ul	97
23) Benzo(a)pyrene	23.81	252	37371	1.889	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	26.56	276	43297	1.910	ng/ul#	91
25) Dibenzo(a,h)anthracene	26.59	278	35699	1.890	ng/ul	97
26) Benzo(g,h,i)perylene	27.38	276	37086	1.944	ng/ul	95

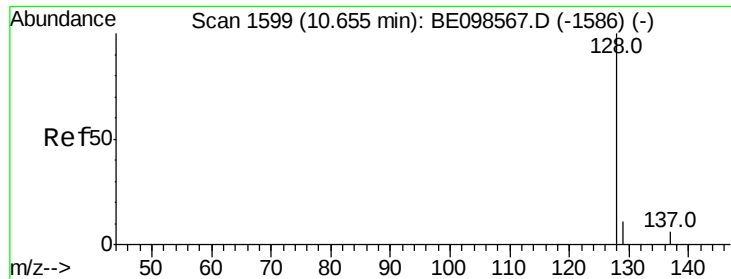
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.823 ng/ul

RT: 10.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

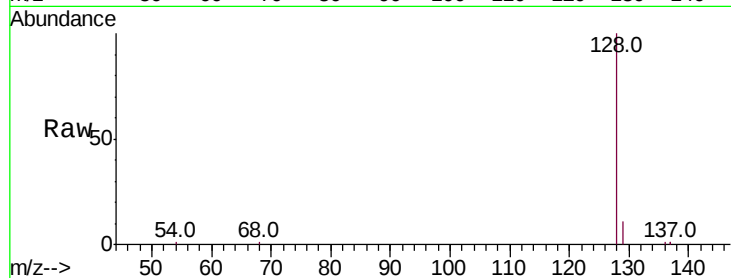
Tot Ion:128 Resp: 18205

Ion Ratio Lower Upper

128 100

129 11.3 10.5 15.7

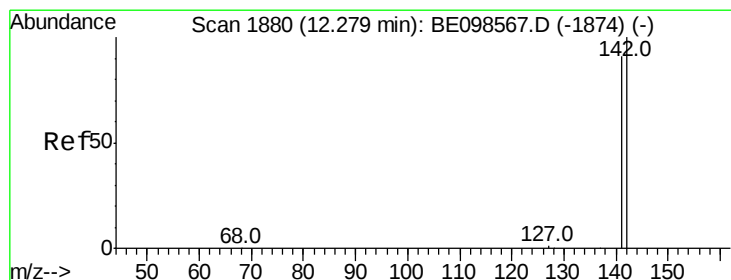
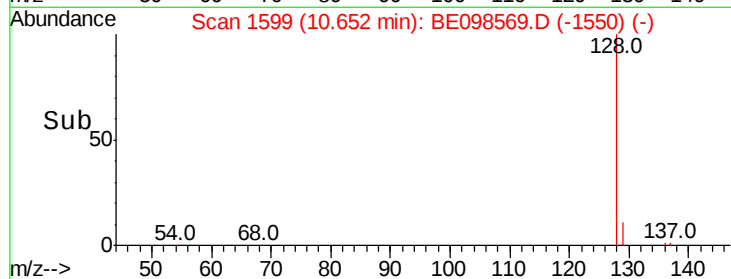
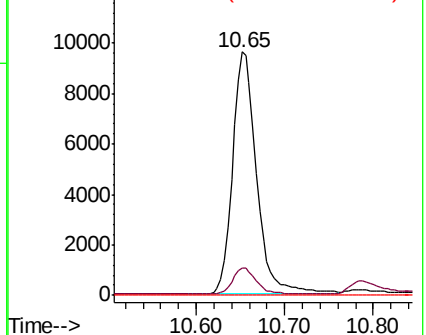
127 0.0 0.0 0.0



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: 1.670 ng/ul

RT: 12.27 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BE098569.D

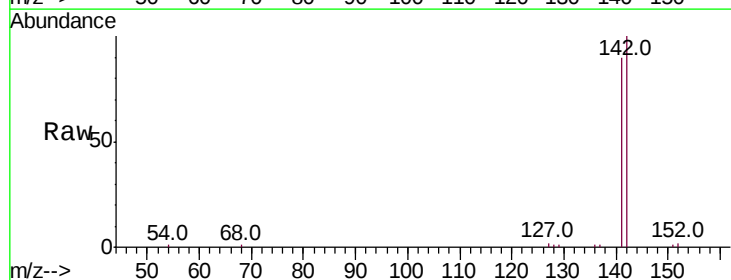
Acq: 28 Dec 2018 11:52

Tgt Ion:142 Resp: 12608

Ion Ratio Lower Upper

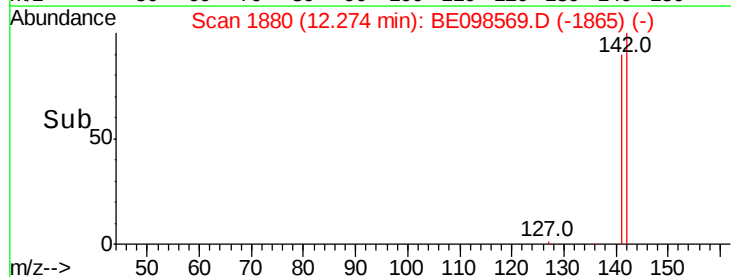
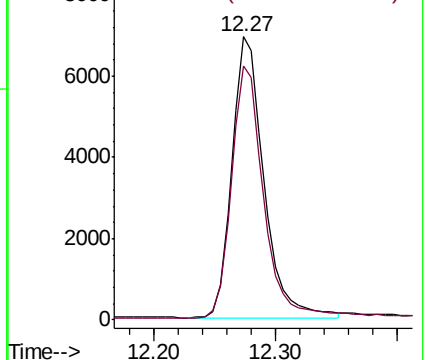
142 100

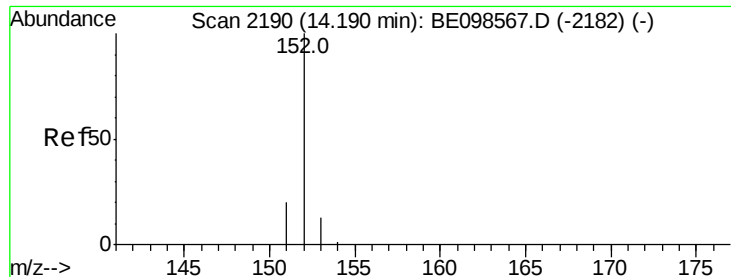
141 90.0 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.826 ng/ul

RT: 14.18 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

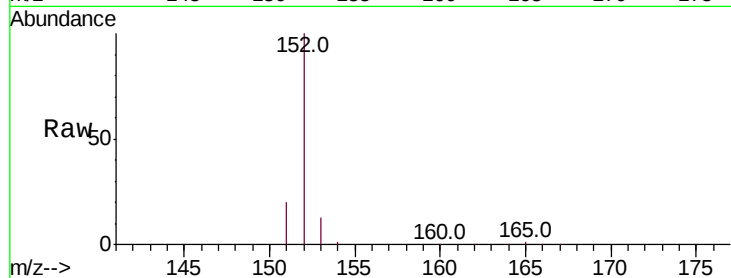
Tot Ion:152 Resp: 19230

Ion Ratio Lower Upper

152 100

151 19.8 17.3 25.9

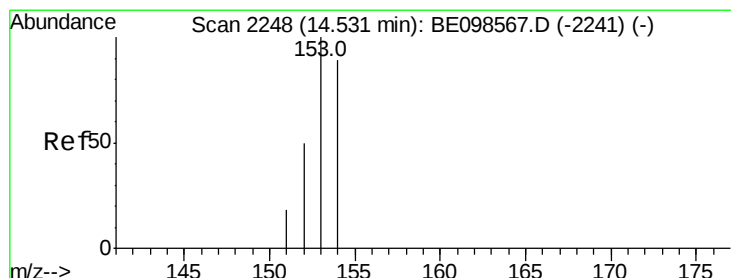
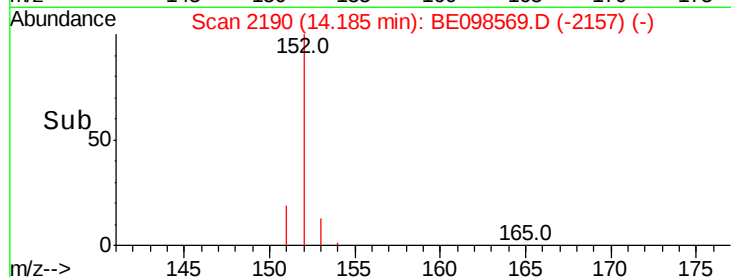
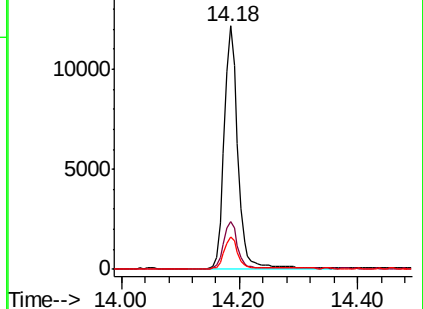
153 13.1 11.9 17.9



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: 1.879 ng/ul

RT: 14.53 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

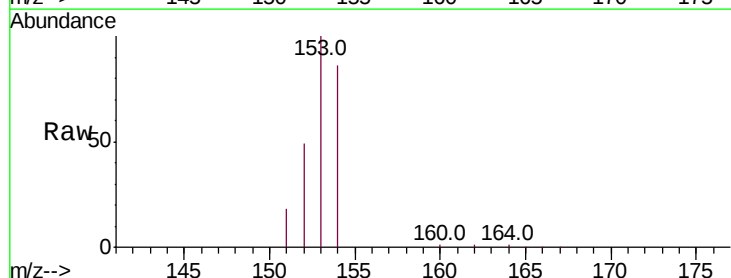
Tgt Ion:153 Resp: 14781

Ion Ratio Lower Upper

153 100

152 49.4 39.4 59.0

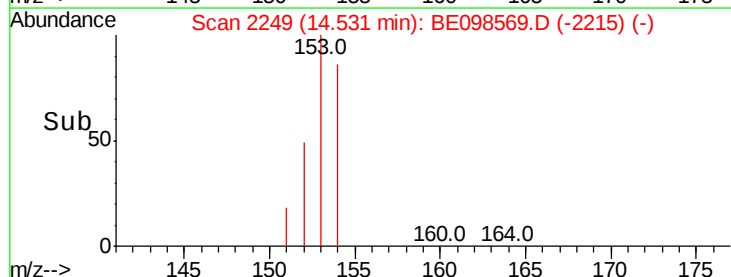
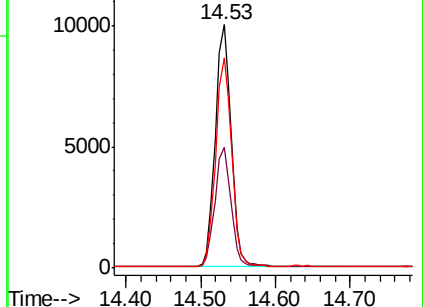
154 86.4 70.5 105.7

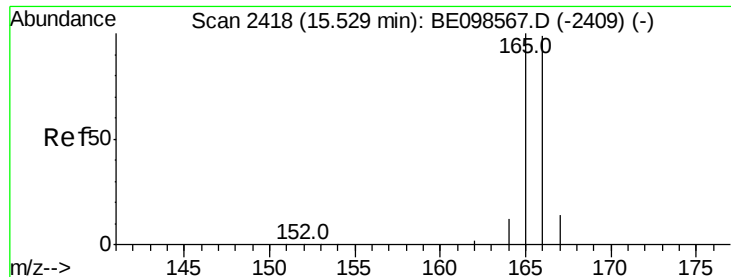


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.885 ng/ul

RT: 15.52 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

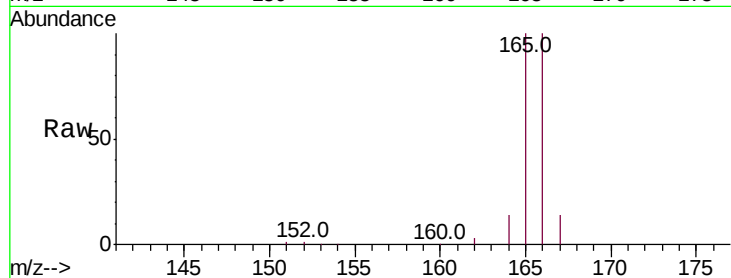
Tot Ion:166 Resp: 17851

Ion Ratio Lower Upper

166 100

165 100.3 80.2 120.4

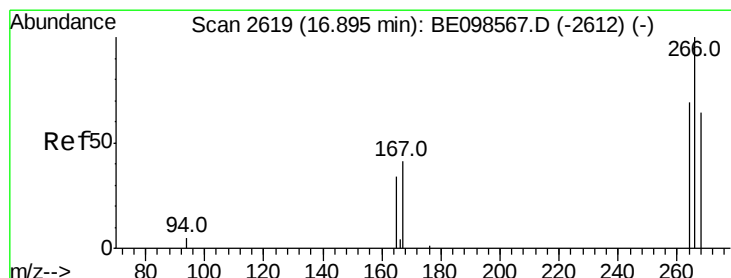
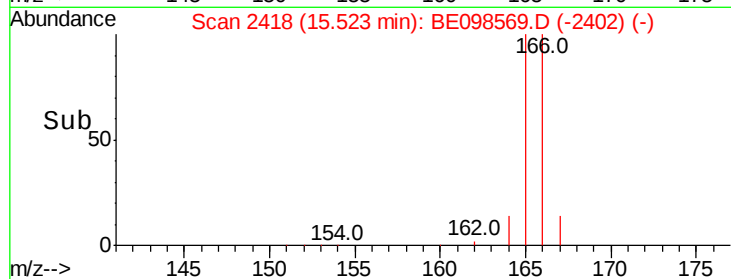
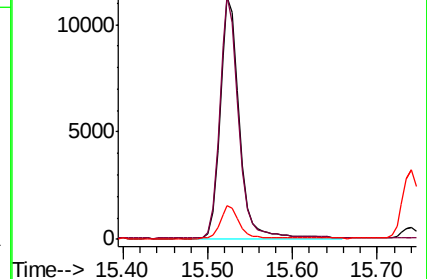
167 14.0 12.0 18.0



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: 5.191 ng/ul

RT: 16.89 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

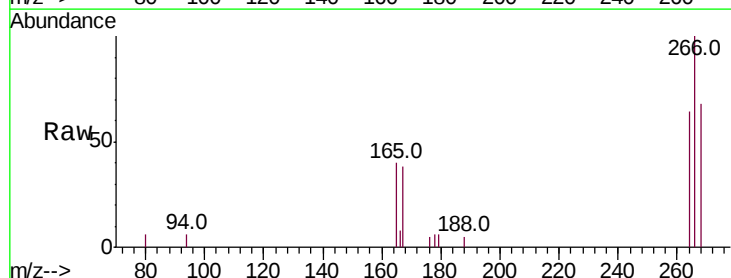
Tgt Ion:266 Resp: 1776

Ion Ratio Lower Upper

266 100

264 61.9 48.5 72.7

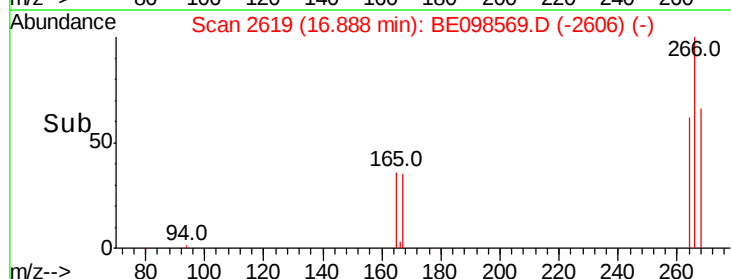
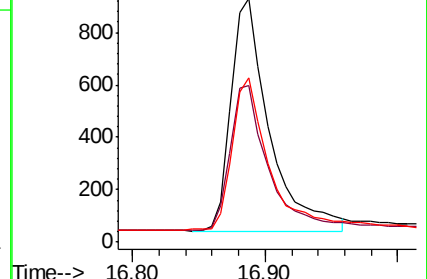
268 62.4 53.7 80.5

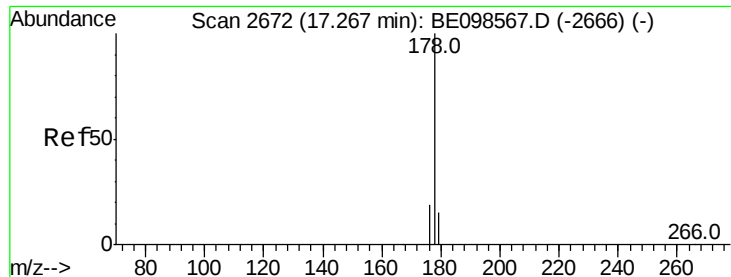


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.926 ng/ul

RT: 17.27 min Scan# 2673

Delta R.T. 0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

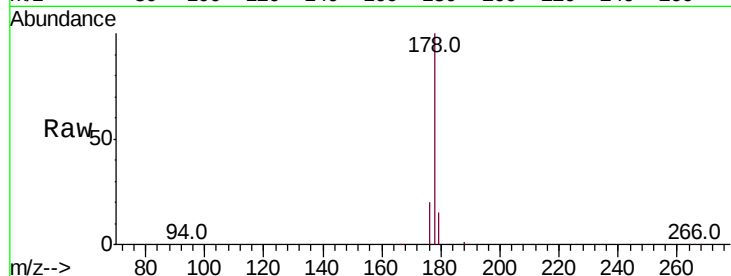
Tot Ion:178 Resp: 29073

Ion Ratio Lower Upper

178 100

179 15.3 13.0 19.4

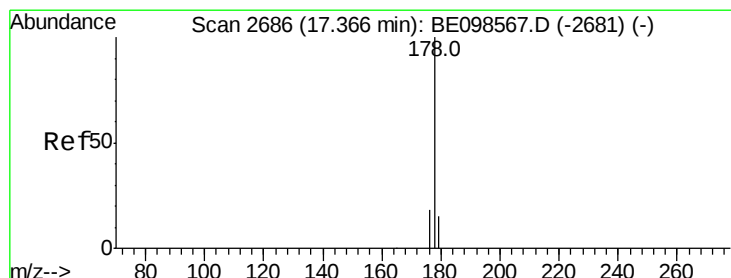
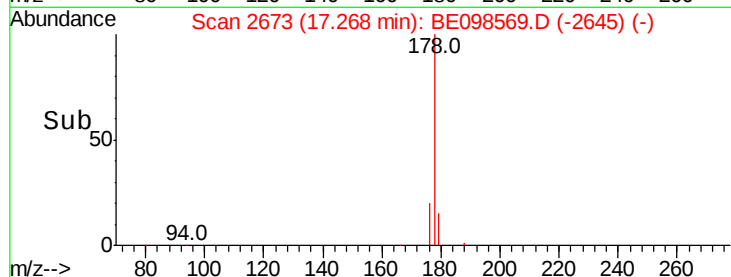
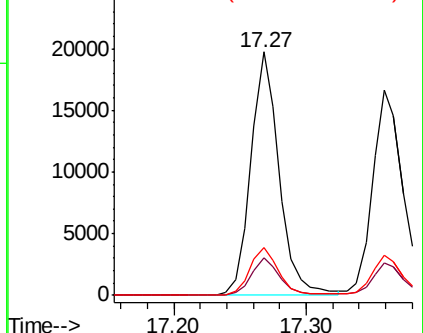
176 19.7 15.7 23.5



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: 1.812 ng/ul

RT: 17.36 min Scan# 2686

Delta R.T. -0.01 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

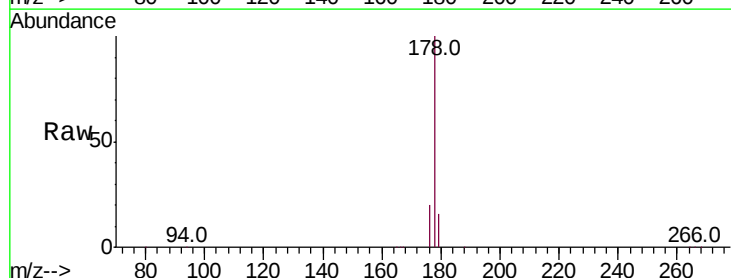
Tgt Ion:178 Resp: 27000

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

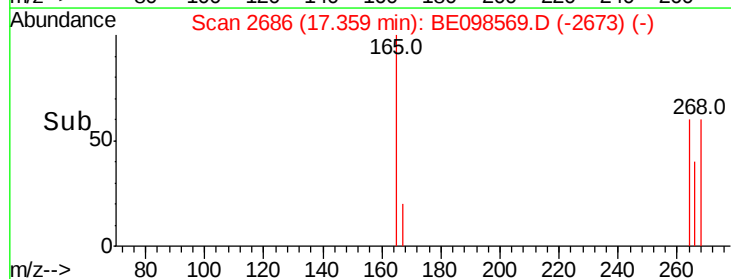
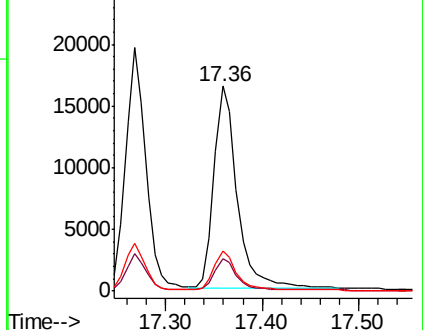
176 19.8 15.6 23.4

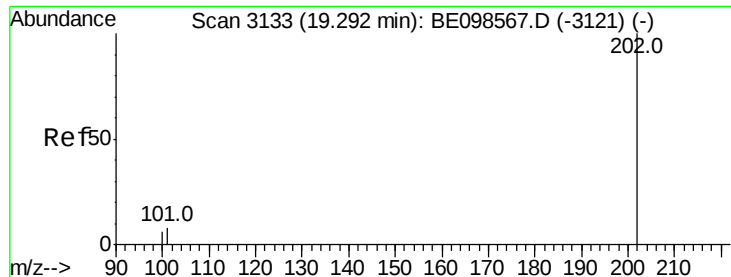


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

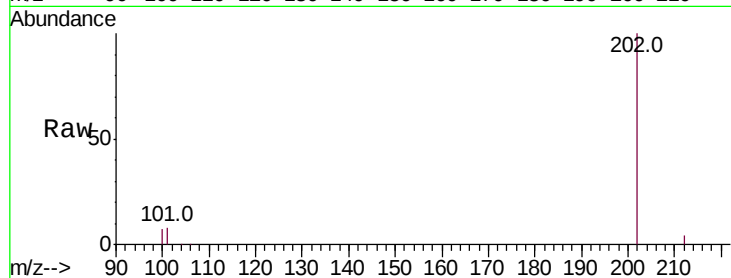




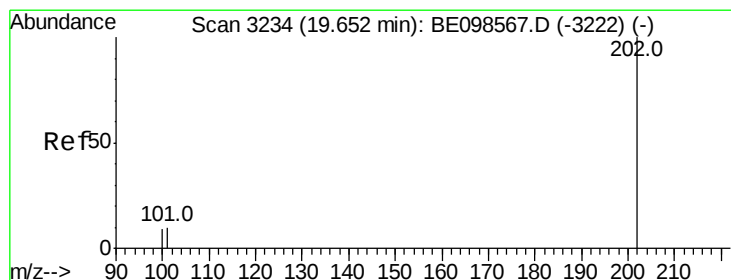
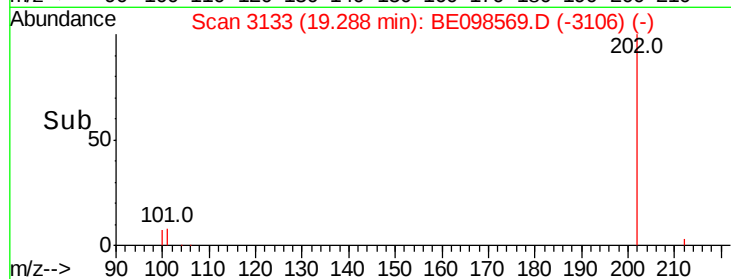
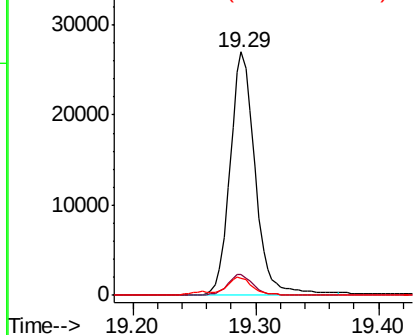
#15
Fluoranthene
Concen: 1.976 ng/ul
RT: 19.29 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BE098569.D
Acq: 28 Dec 2018 11:52

Instrument :
BNA_E
ClientSampleId :
SSTD1.606

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.5
100	7.2	0.0	26.0



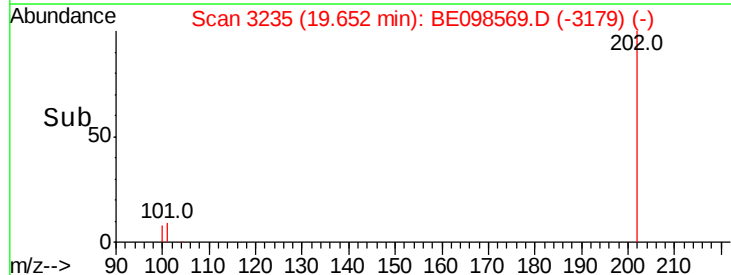
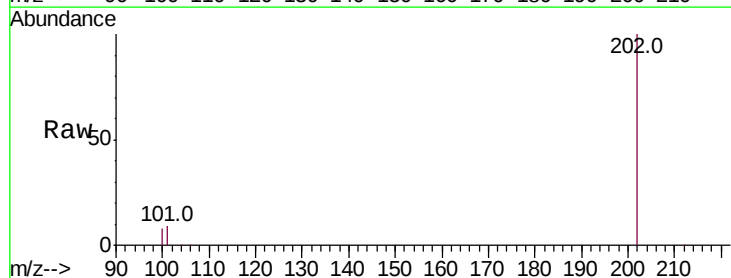
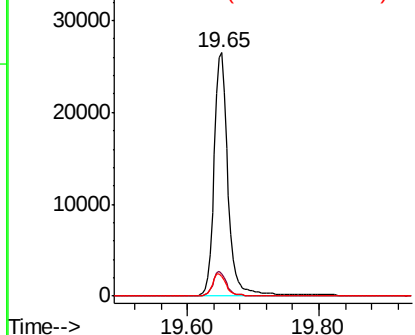
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE

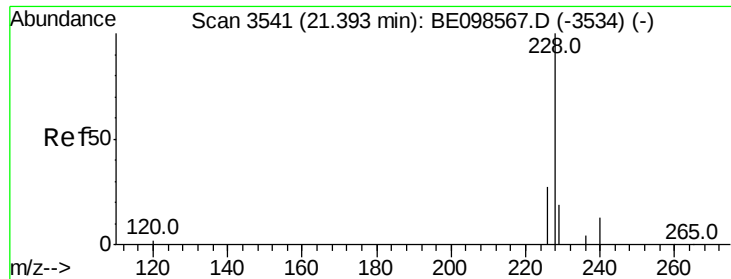


#17
Pyrene
Concen: 2.309 ng/ul
RT: 19.65 min Scan# 3235
Delta R.T. -0.00 min
Lab File: BE098569.D
Acq: 28 Dec 2018 11:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	6.9	10.3
100	8.3	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: 1.700 ng/ul

RT: 21.39 min Scan# 3542

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

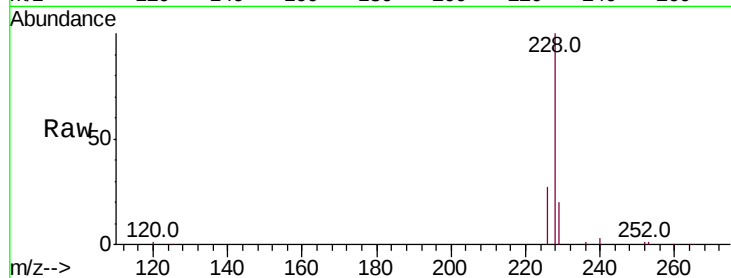
Tot Ion:228 Resp: 39455

Ion Ratio Lower Upper

228 100

229 19.8 16.1 24.1

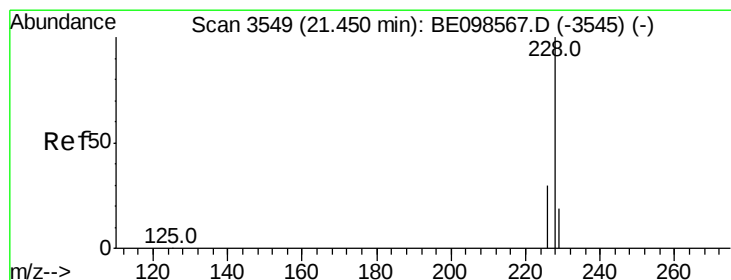
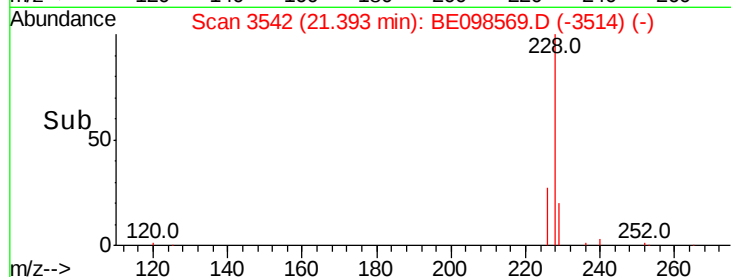
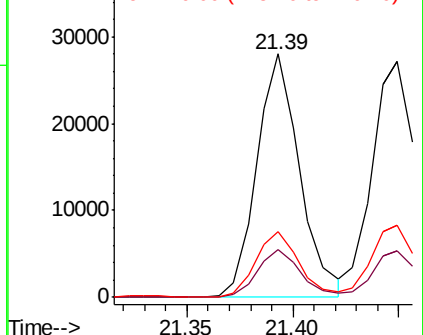
226 27.2 22.2 33.4



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: 2.445 ng/ul

RT: 21.45 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

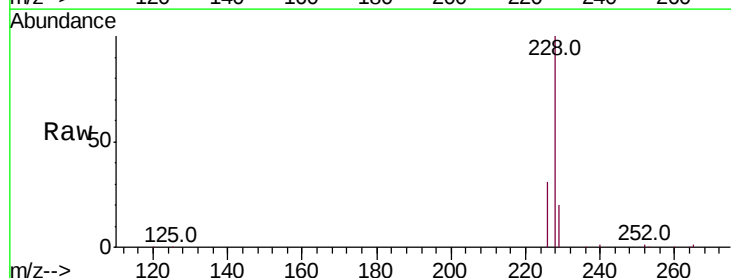
Tgt Ion:228 Resp: 43884

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

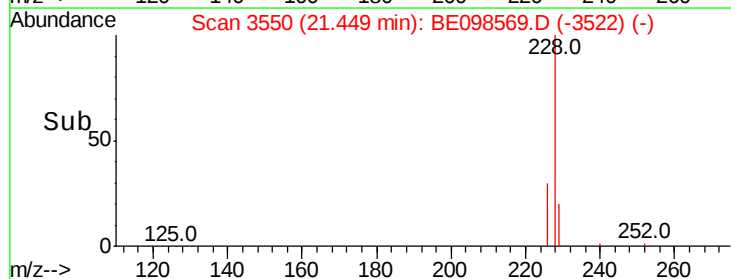
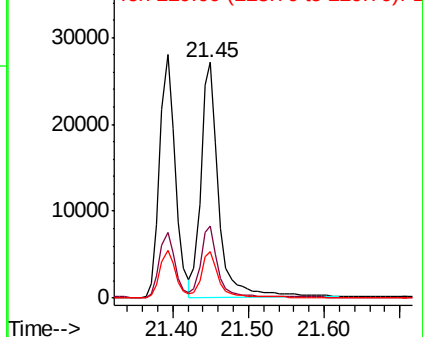
229 19.8 16.4 24.6

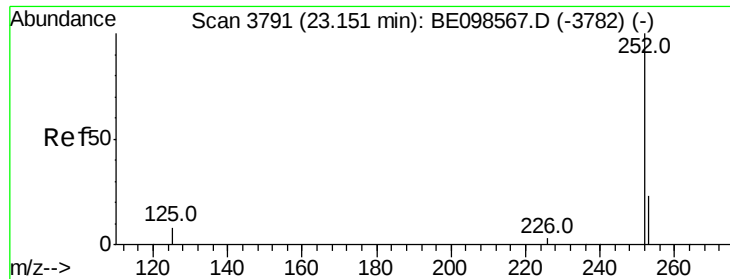


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.924 ng/ul

RT: 23.15 min Scan# 3792

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

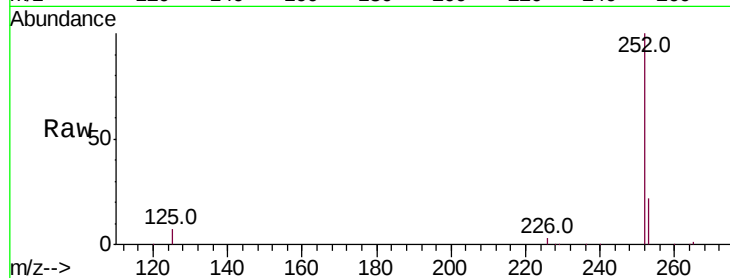
Tot Ion:252 Resp: 39560

Ion Ratio Lower Upper

252 100

253 22.2 0.0 47.8

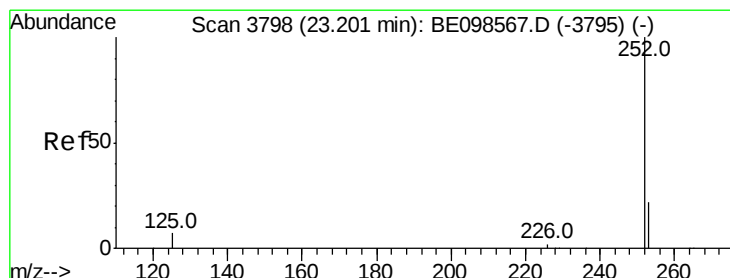
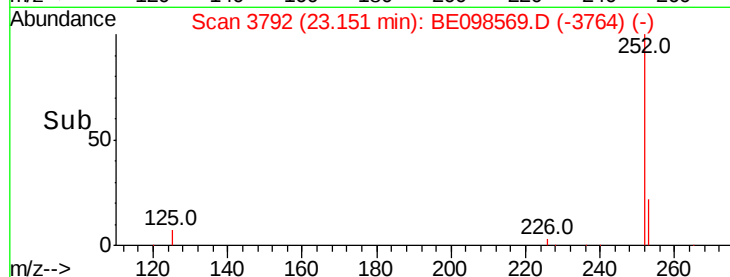
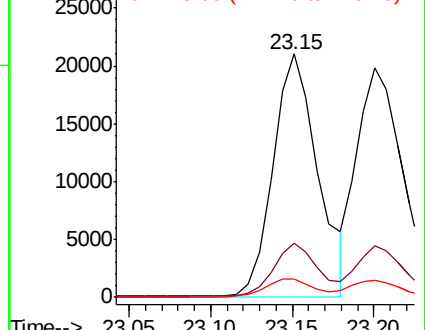
125 7.5 0.0 16.8



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: 1.984 ng/ul

RT: 23.20 min Scan# 3799

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

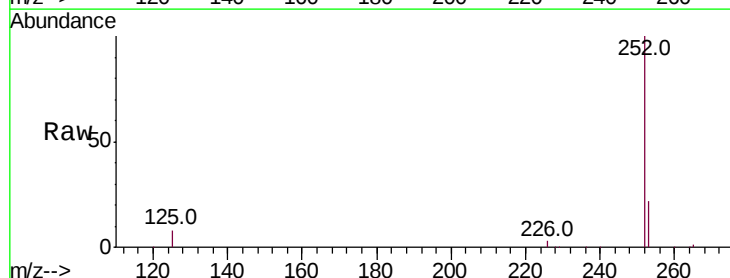
Tgt Ion:252 Resp: 39933

Ion Ratio Lower Upper

252 100

253 22.5 19.3 28.9

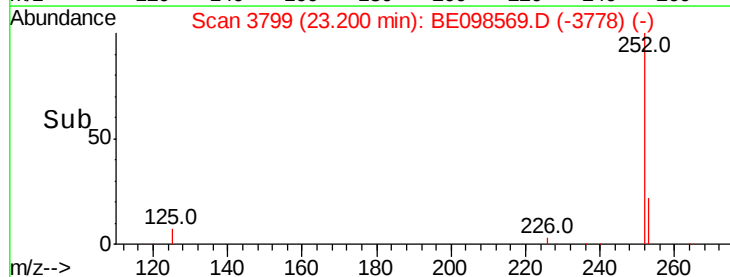
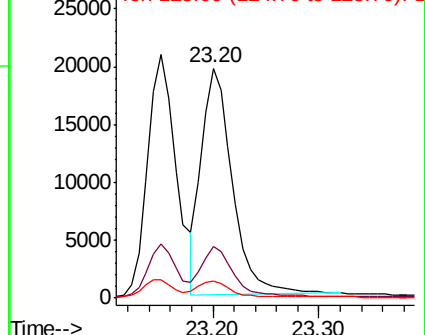
125 7.6 6.2 9.2

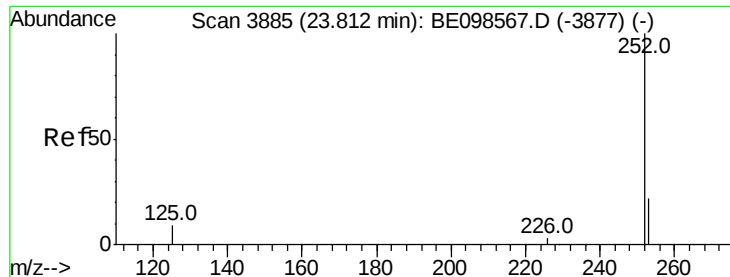


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.889 ng/ul

RT: 23.81 min Scan# 3886

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

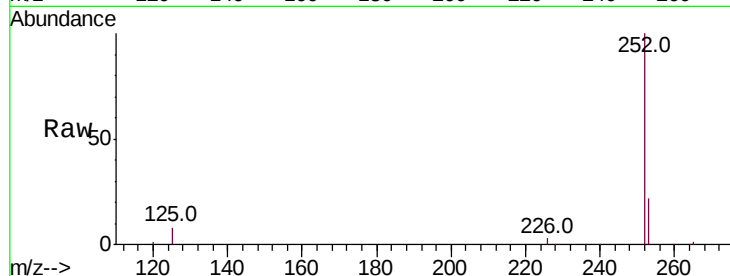
Tot Ion:252 Resp: 37371

Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.2

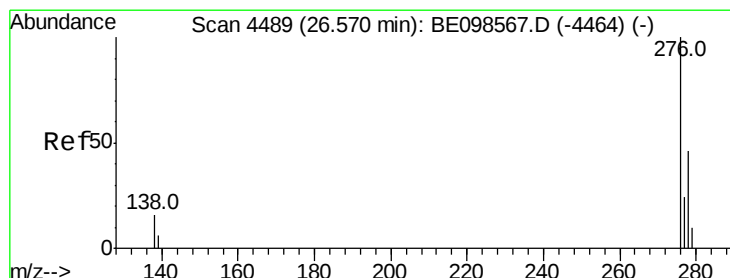
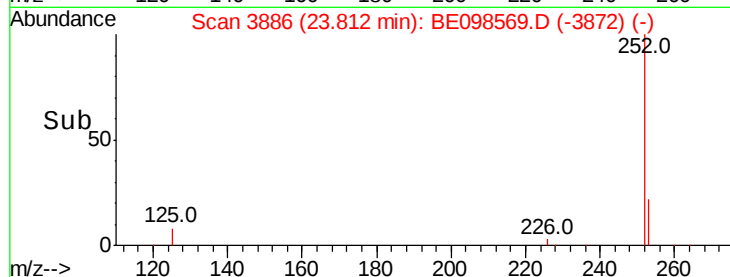
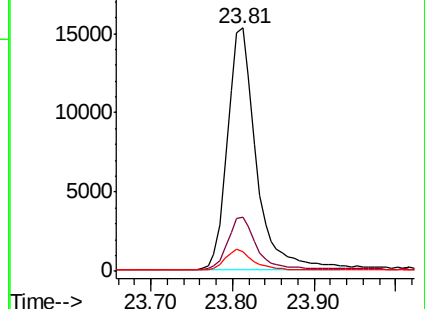
125 8.0 7.8 11.8



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: 1.910 ng/ul

RT: 26.56 min Scan# 4488

Delta R.T. -0.01 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

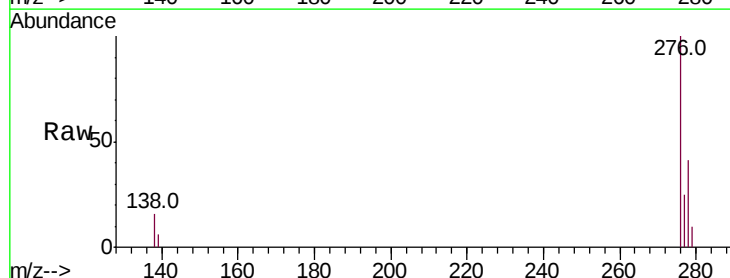
Tgt Ion:276 Resp: 43297

Ion Ratio Lower Upper

276 100

138 18.4 11.8 17.8#

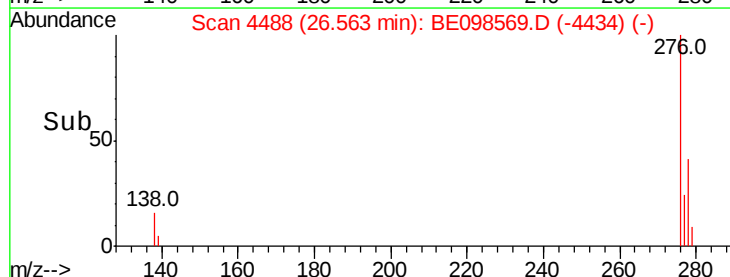
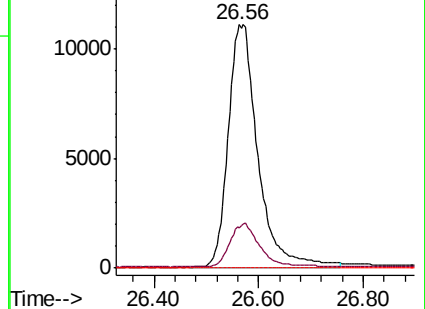
227 0.0 0.0 0.0

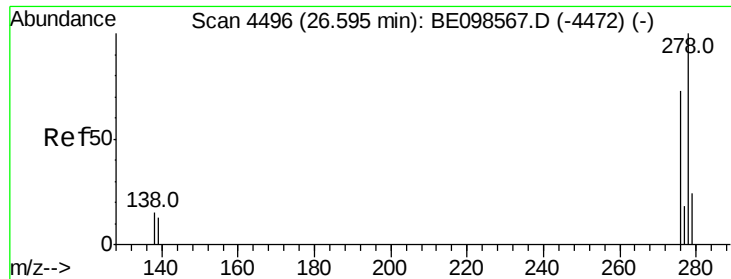


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.890 ng/ul

RT: 26.59 min Scan# 4496

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

Instrument :

BNA_E

ClientSampleId :

SSTD1.606

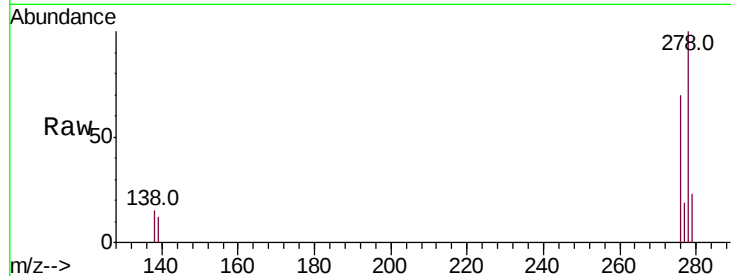
Tot Ion:278 Resp: 35699

Ion Ratio Lower Upper

278 100

139 12.0 10.0 15.0

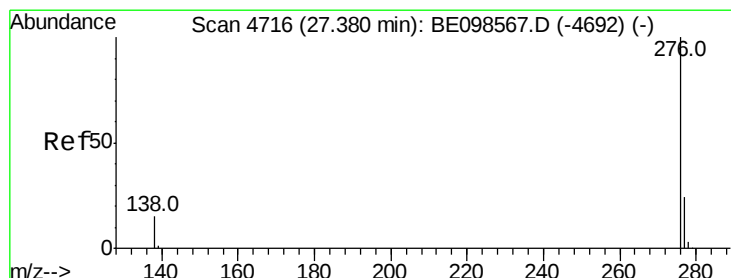
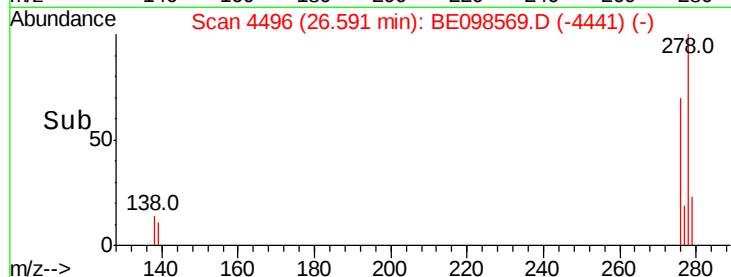
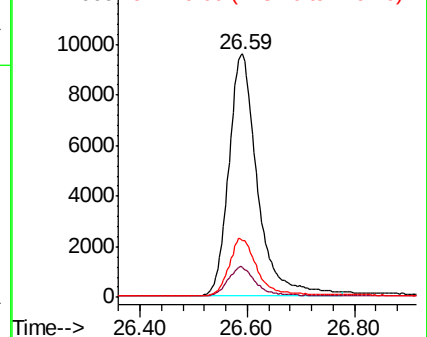
279 23.5 20.3 30.5



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: 1.944 ng/ul

RT: 27.38 min Scan# 4717

Delta R.T. -0.00 min

Lab File: BE098569.D

Acq: 28 Dec 2018 11:52

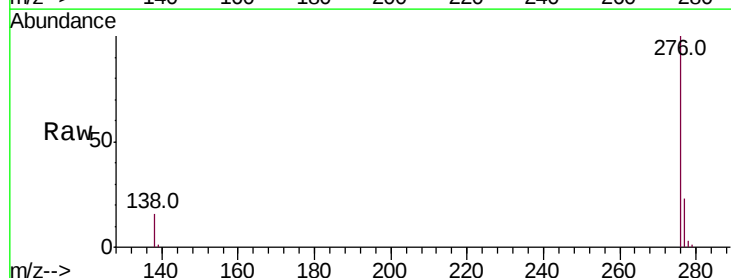
Tgt Ion:276 Resp: 37086

Ion Ratio Lower Upper

276 100

138 16.0 11.6 17.4

277 23.4 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

