

Data File : BE098588.D
Acq On : 28 Dec 2018 23:36
Operator : SJ/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.410

Quant Time: Dec 29 00:18:28 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 : Sat Dec 29 00:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	798	0.40	ng/ul	0.00
2) Naphthalene-d8	10.61	136	3839	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	2554	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	6406	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	7646	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	7614	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.20	152	2555	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.26	212	8239	0.40	ng/ul	0.00

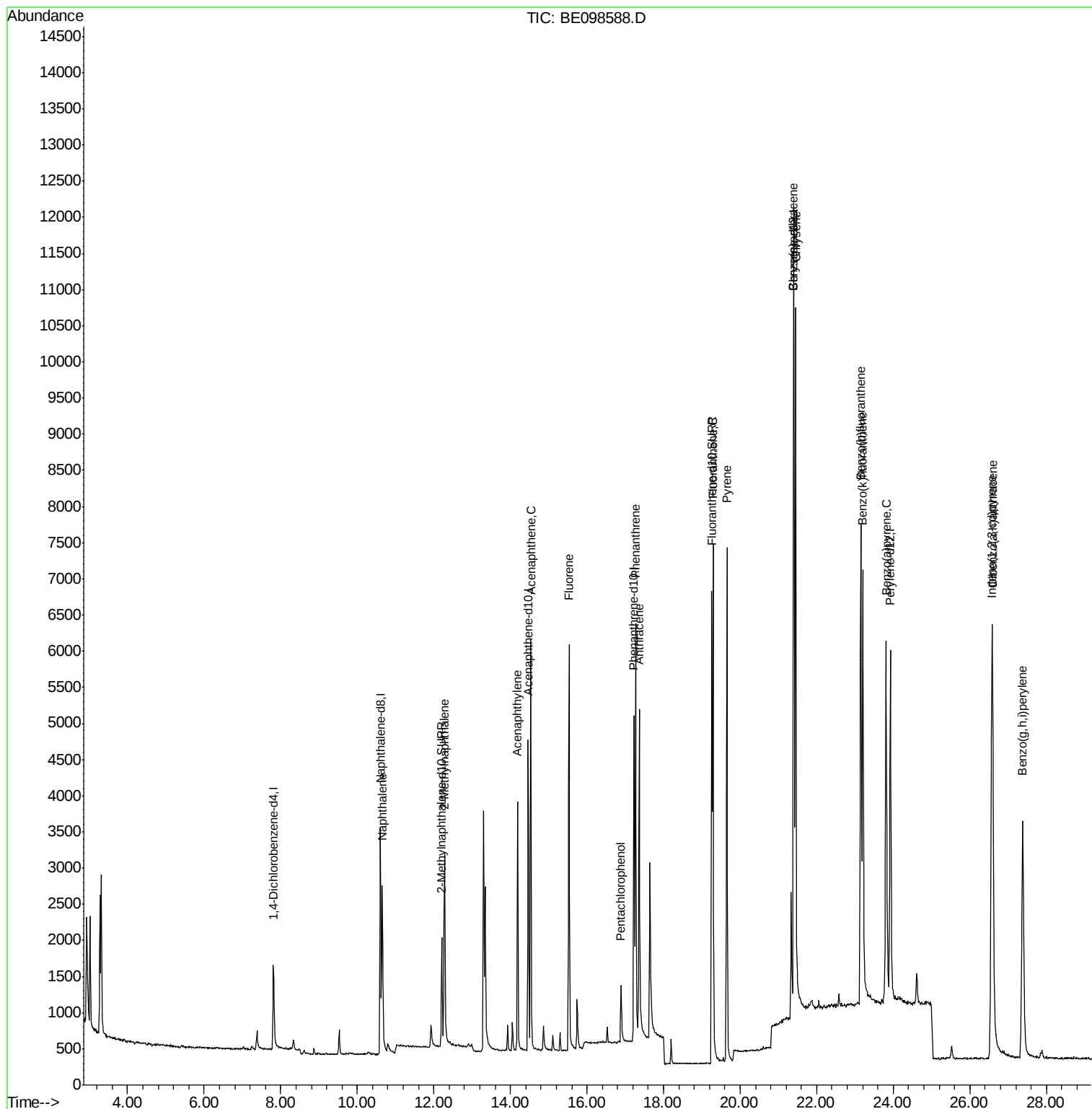
Target Compounds						Qvalue
3) Naphthalene	10.66	128	4040	0.386	ng/ul	98
5) 2-Methylnaphthalene	12.28	142	2745	0.413	ng/ul	99
7) Acenaphthylene	14.18	152	4338	0.396	ng/ul	99
8) Acenaphthene	14.53	153	3373	0.392	ng/ul	98
9) Fluorene	15.53	166	4053	0.396	ng/ul	96
11) Pentachlorophenol	16.89	266	495	0.521	ng/ul	98
12) Phenanthrene	17.27	178	6767	0.393	ng/ul	97
13) Anthracene	17.37	178	5974	0.414	ng/ul	99
15) Fluoranthene	19.29	202	8853	0.398	ng/ul	96
17) Pyrene	19.65	202	9183	0.376	ng/ul#	95
18) Benzo(a)anthracene	21.39	228	9258	0.415	ng/ul	99
19) Chrysene	21.45	228	10211	0.369	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	9397	0.403	ng/ul	98
22) Benzo(k)fluoranthene	23.21	252	9900	0.387	ng/ul	97
23) Benzo(a)pyrene	23.81	252	9251	0.407	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.57	276	10474	0.401	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.60	278	8566	0.403	ng/ul#	96
26) Benzo(g,h,i)perylene	27.38	276	8857	0.391	ng/ul	97

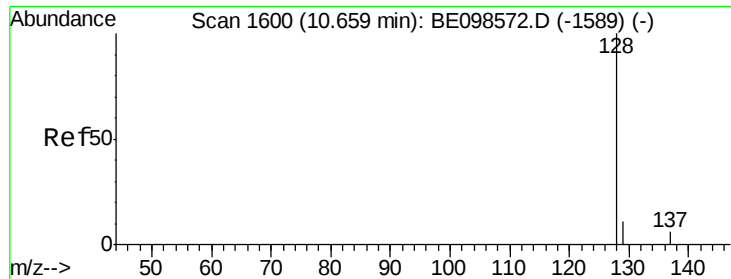
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.386 ng/ul

RT: 10.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

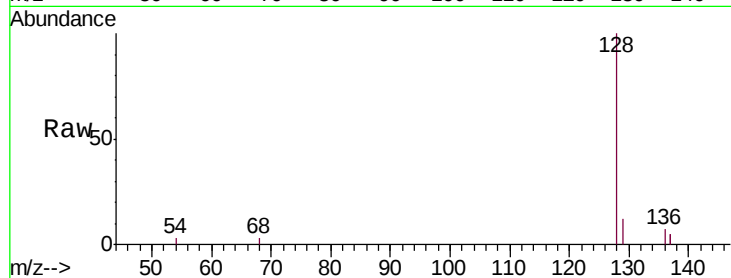
Tgt Ion:128 Resp: 4040

Ion Ratio Lower Upper

128 100

129 12.3 10.5 15.7

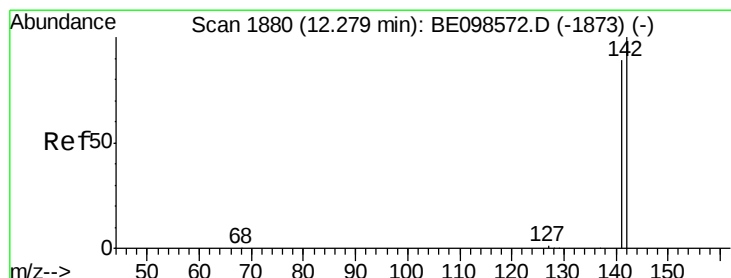
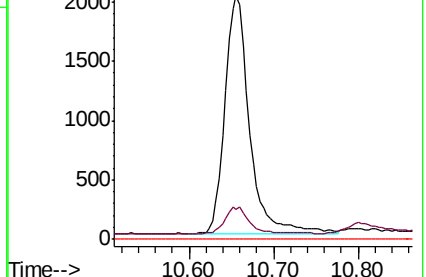
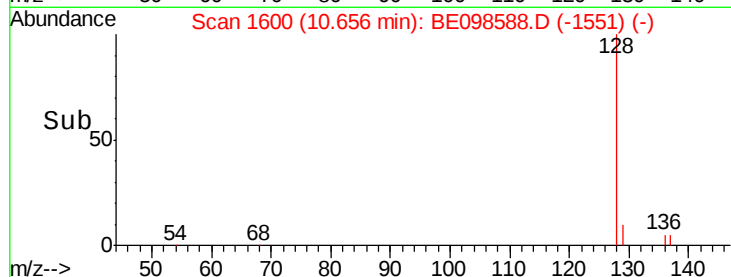
127 0.0 0.0 0.0



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: 0.413 ng/ul

RT: 12.28 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BE098588.D

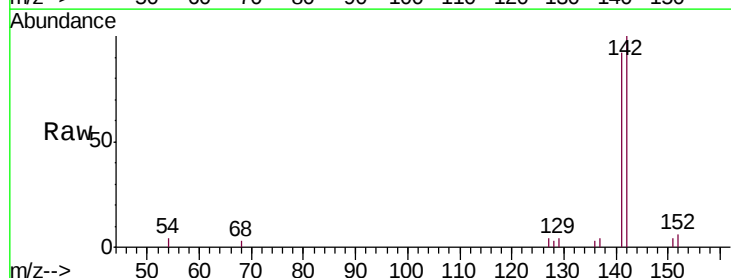
Acq: 28 Dec 2018 23:36

Tgt Ion:142 Resp: 2745

Ion Ratio Lower Upper

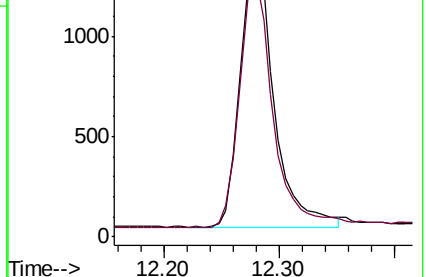
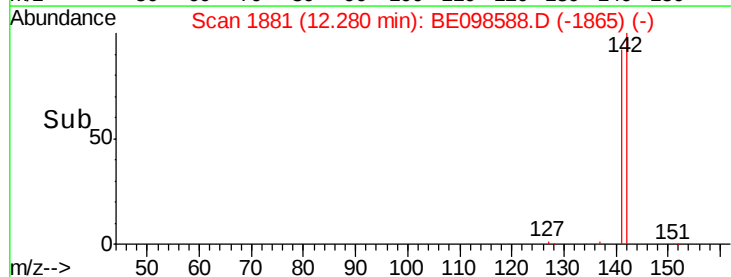
142 100

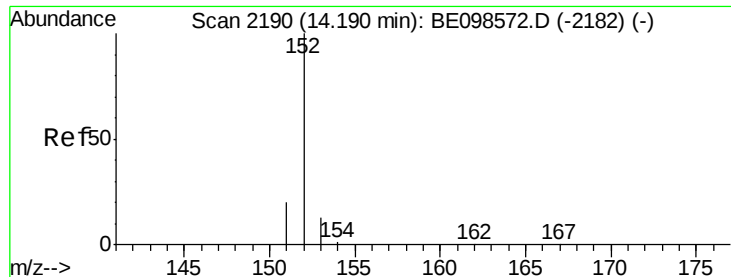
141 91.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.396 ng/ul

RT: 14.18 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

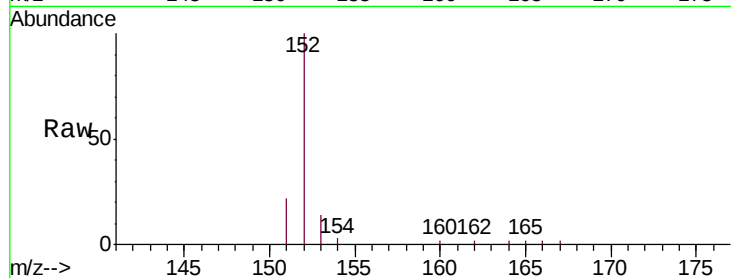
Tgt Ion:152 Resp: 4338

Ion Ratio Lower Upper

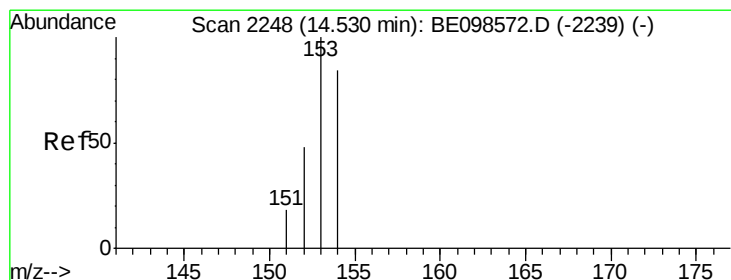
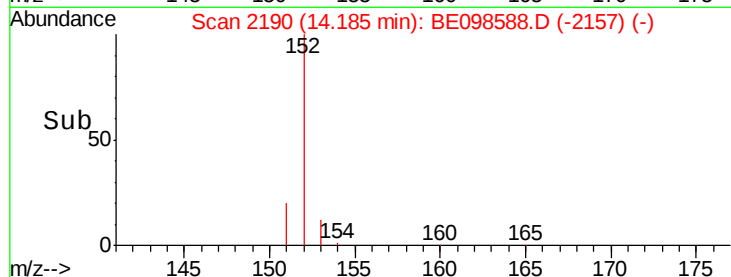
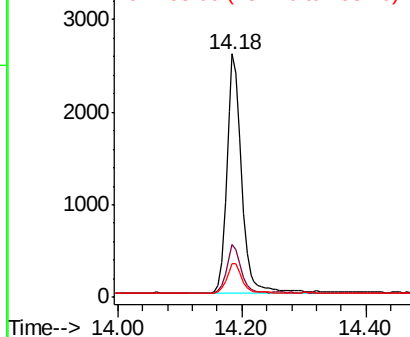
152 100

151 21.7 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: 0.392 ng/ul

RT: 14.53 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

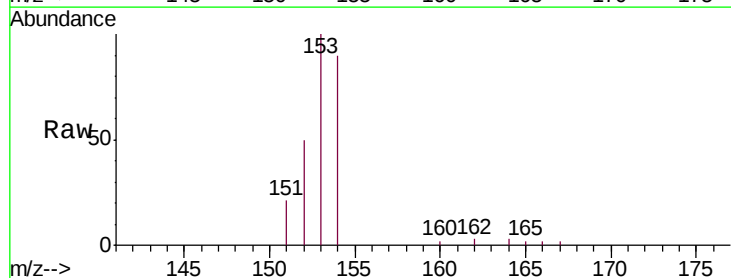
Tgt Ion:153 Resp: 3373

Ion Ratio Lower Upper

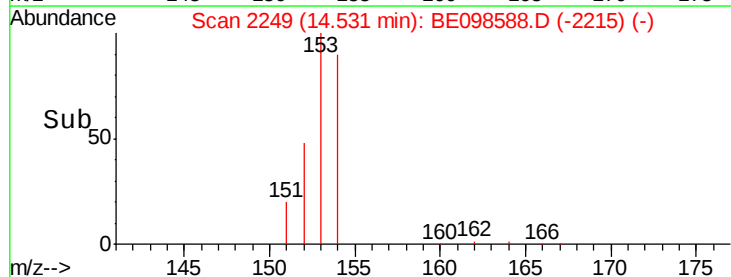
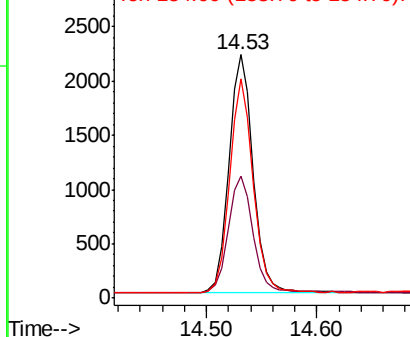
153 100

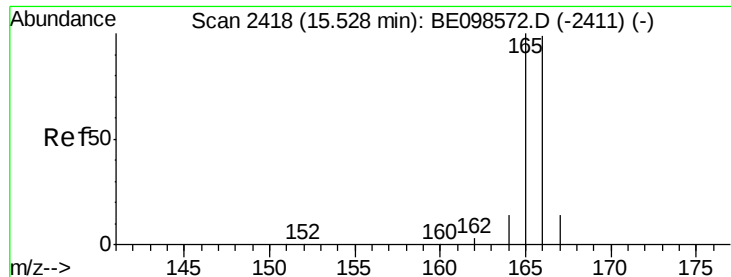
152 50.0 39.4 59.0

154 89.8 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: 0.396 ng/ul

RT: 15.53 min Scan# 2419

Delta R.T. 0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

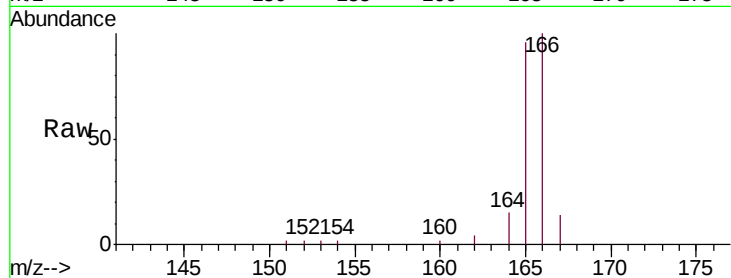
Tgt Ion:166 Resp: 4053

Ion Ratio Lower Upper

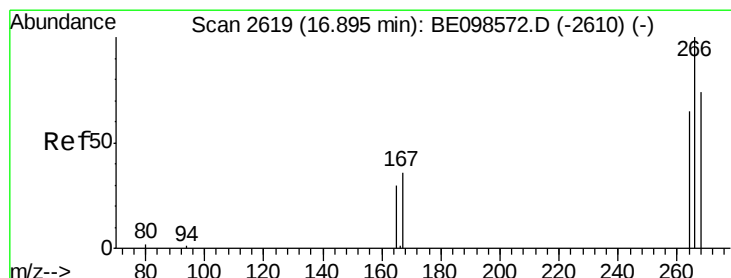
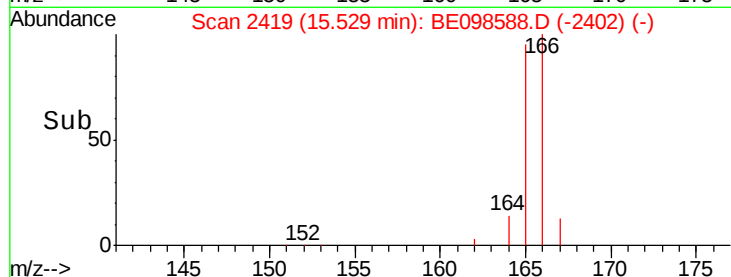
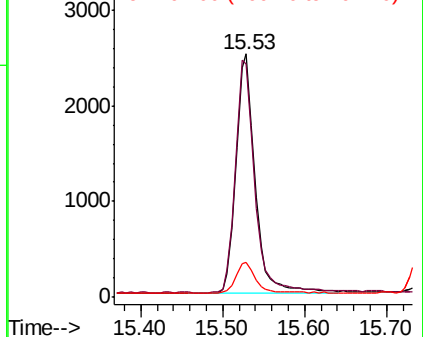
166 100

165 95.7 80.2 120.4

167 14.4 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: 0.521 ng/ul

RT: 16.89 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

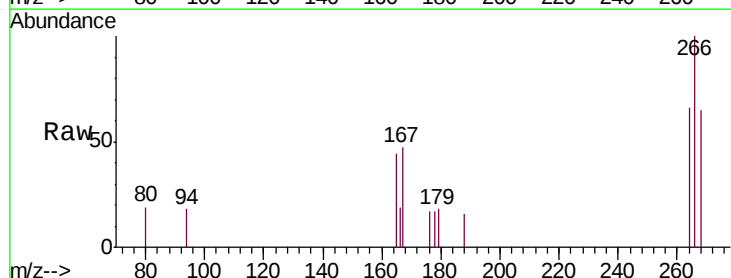
Tgt Ion:266 Resp: 495

Ion Ratio Lower Upper

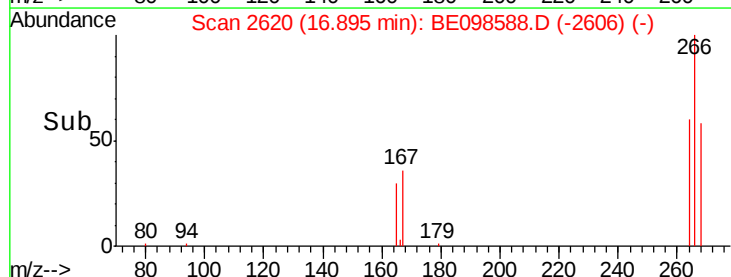
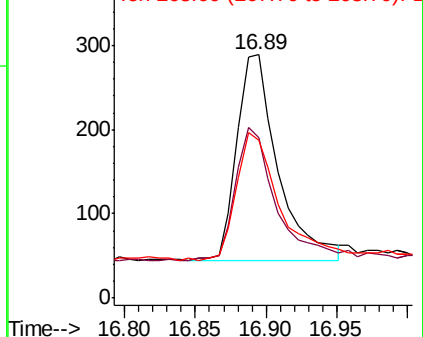
266 100

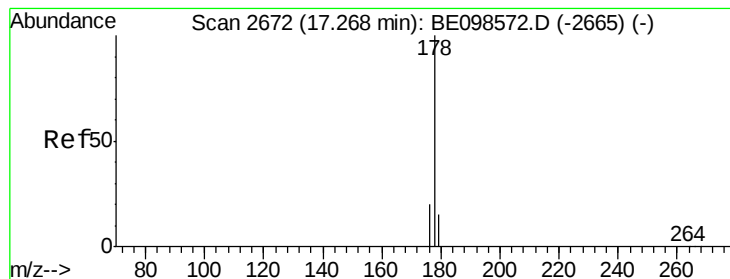
264 62.4 48.5 72.7

268 66.1 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: 0.393 ng/ul

RT: 17.27 min Scan# 2673

Delta R.T. -0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

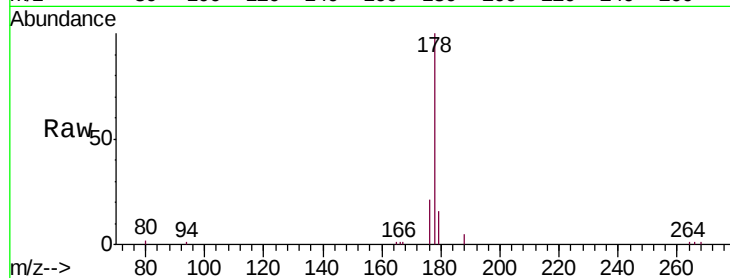
Tgt Ion:178 Resp: 6767

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.4

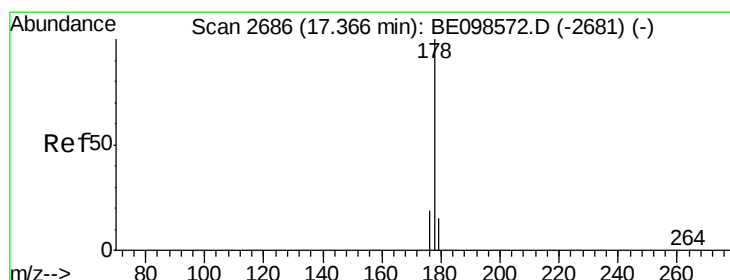
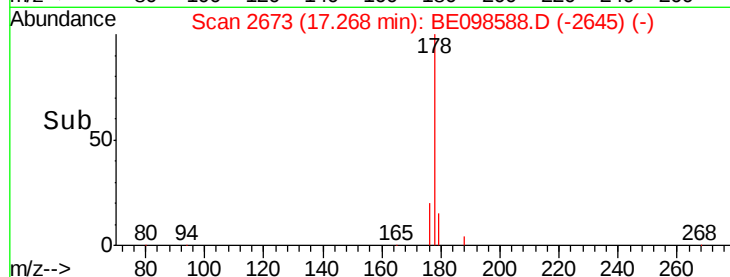
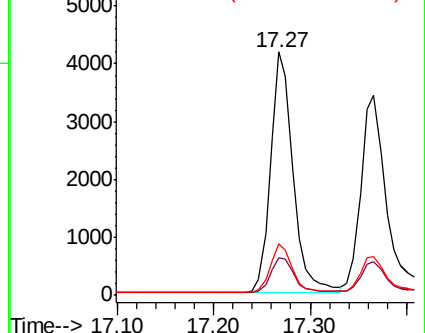
176 21.2 15.7 23.5



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: 0.414 ng/ul

RT: 17.37 min Scan# 2687

Delta R.T. -0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

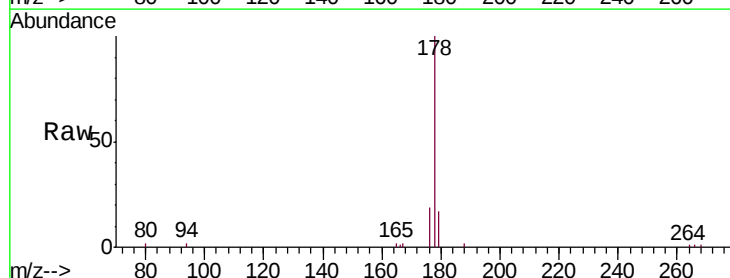
Tgt Ion:178 Resp: 5974

Ion Ratio Lower Upper

178 100

179 16.5 12.6 19.0

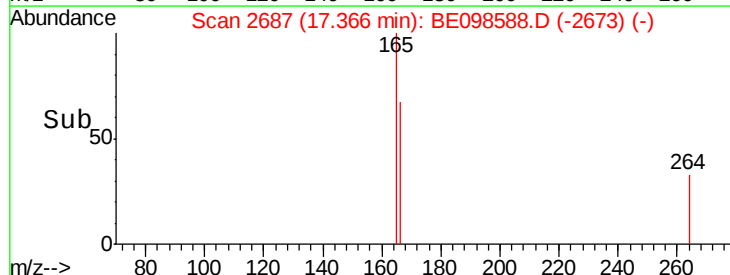
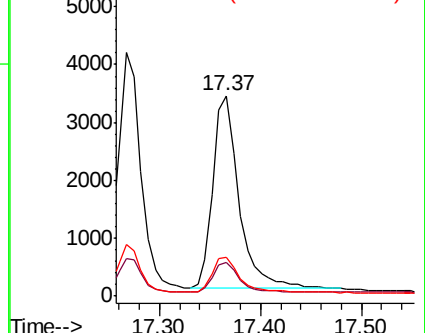
176 19.5 15.6 23.4

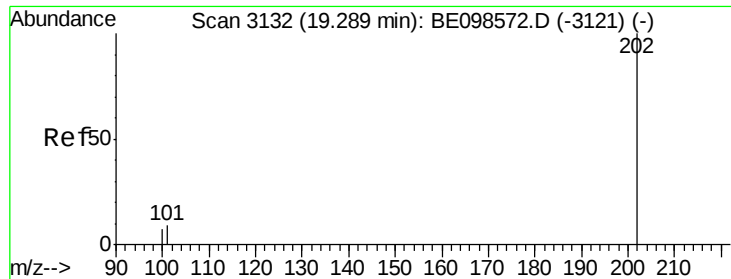


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.398 ng/ul

RT: 19.29 min Scan# 3134

Delta R.T. 0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

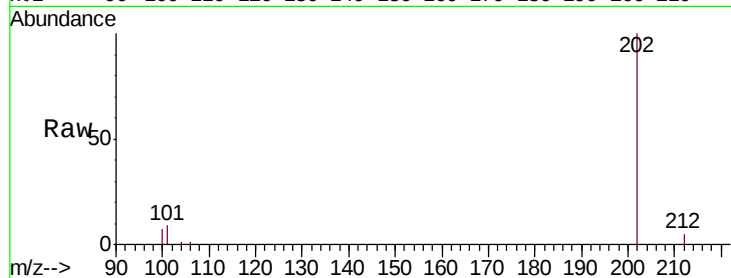
Tgt Ion:202 Resp: 8853

Ion Ratio Lower Upper

202 100

101 8.7 0.0 27.5

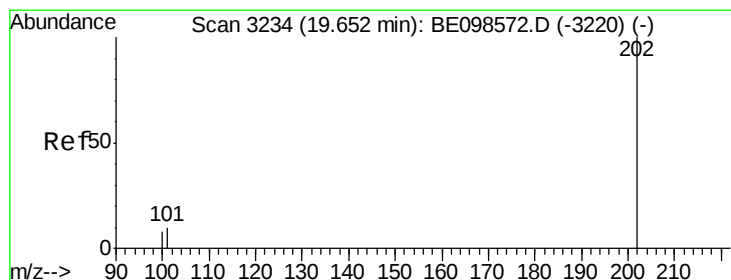
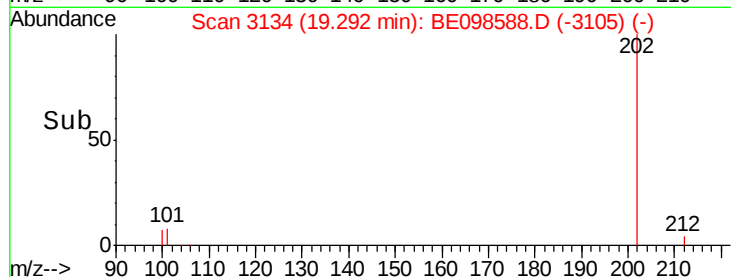
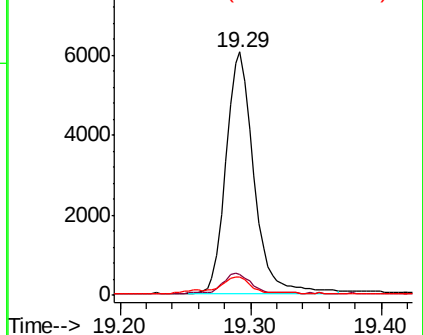
100 7.4 0.0 26.0



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: 0.376 ng/ul

RT: 19.65 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

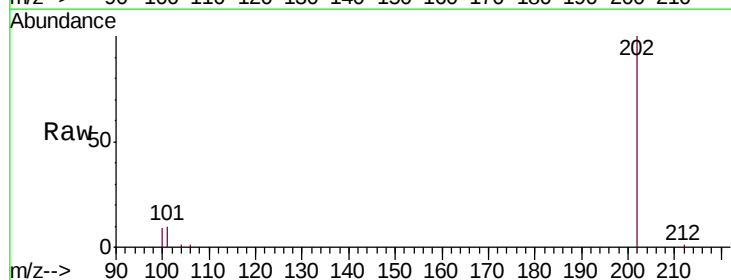
Tgt Ion:202 Resp: 9183

Ion Ratio Lower Upper

202 100

101 10.1 6.9 10.3

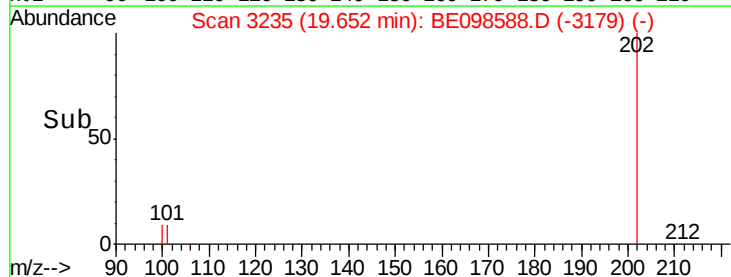
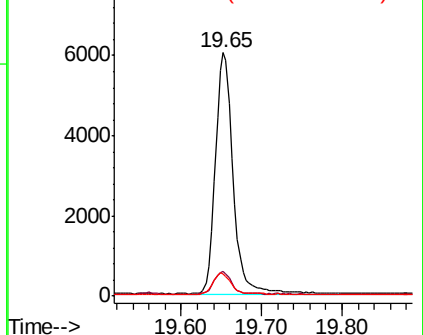
100 9.2 6.0 9.0#

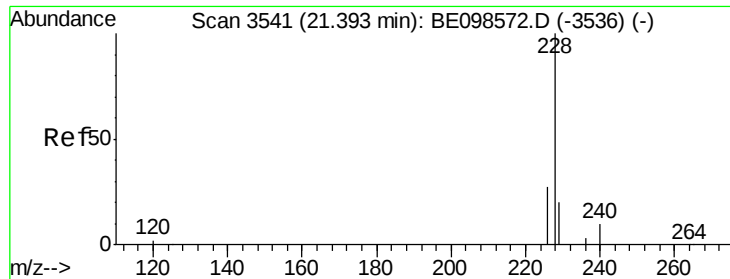


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.415 ng/ul

RT: 21.39 min Scan# 3542

Delta R.T. 0.00 min

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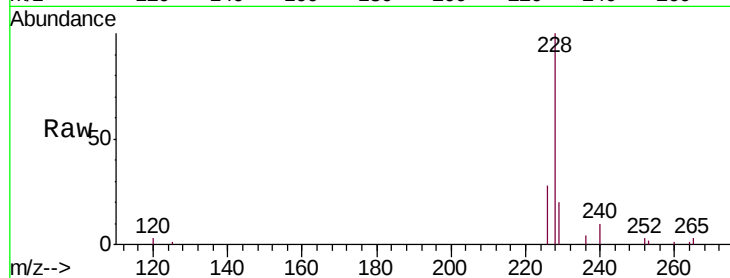
Tgt Ion:228 Resp: 9258

Ion Ratio Lower Upper

228 100

229 20.4 16.1 24.1

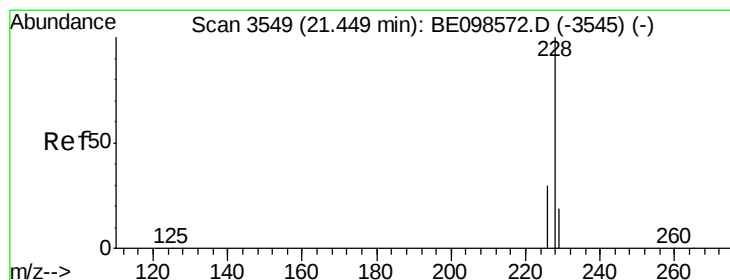
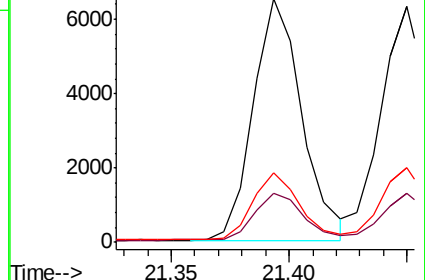
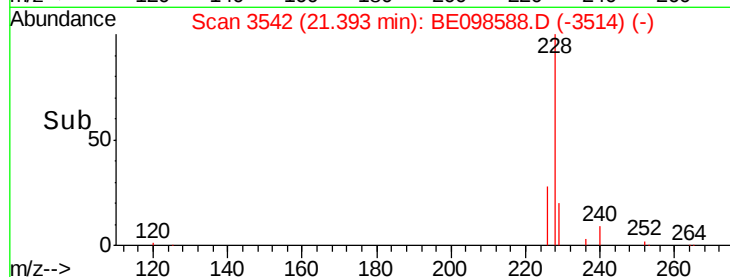
226 28.4 22.2 33.4



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: 0.369 ng/ul

RT: 21.45 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

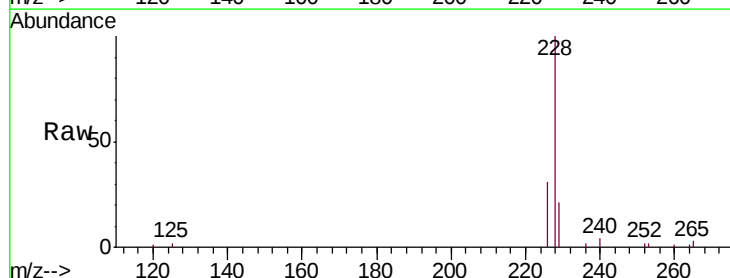
Tgt Ion:228 Resp: 10211

Ion Ratio Lower Upper

228 100

226 31.5 24.6 37.0

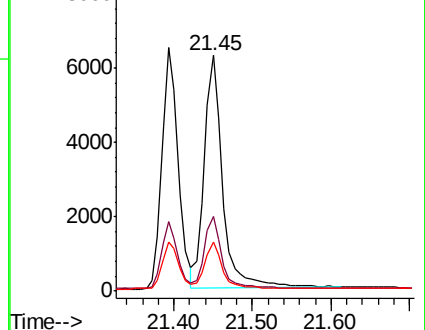
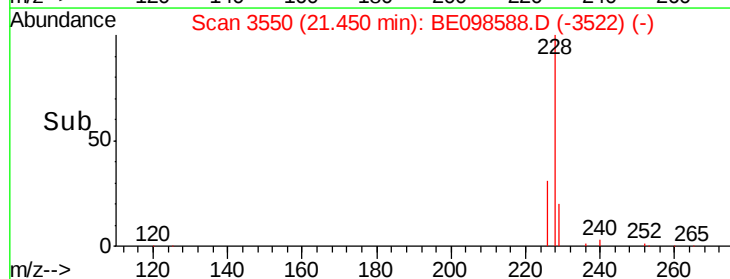
229 20.9 16.4 24.6

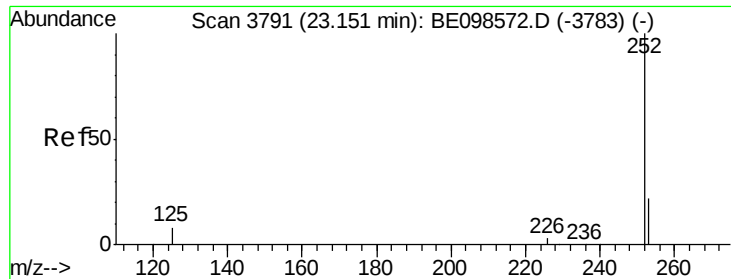


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.403 ng/ul

RT: 23.15 min Scan# 3792

Delta R.T. 0.00 min

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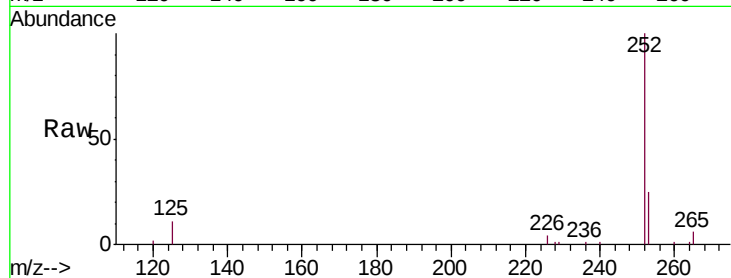
Tgt Ion:252 Resp: 9397

Ion Ratio Lower Upper

252 100

253 24.5 0.0 47.8

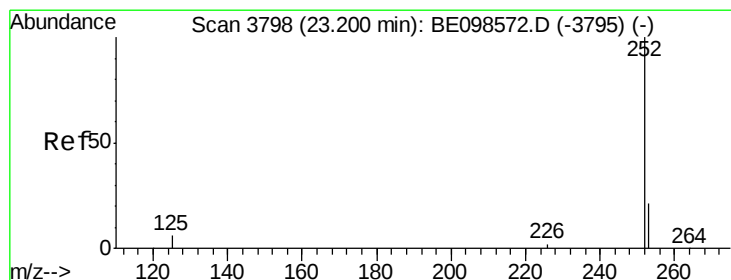
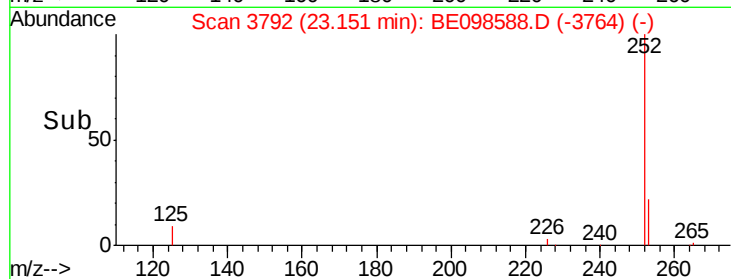
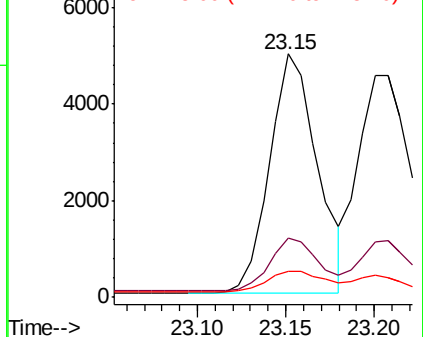
125 10.5 0.0 16.8



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: 0.387 ng/ul

RT: 23.21 min Scan# 3800

Delta R.T. 0.01 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

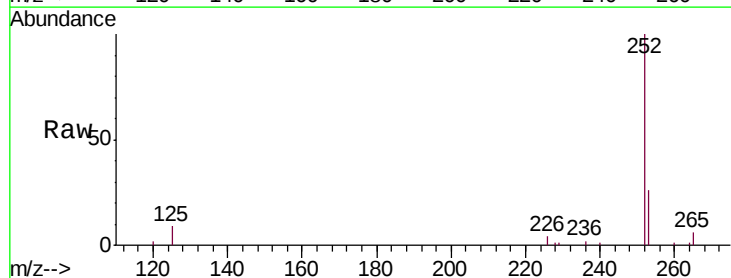
Tgt Ion:252 Resp: 9900

Ion Ratio Lower Upper

252 100

253 25.6 19.3 28.9

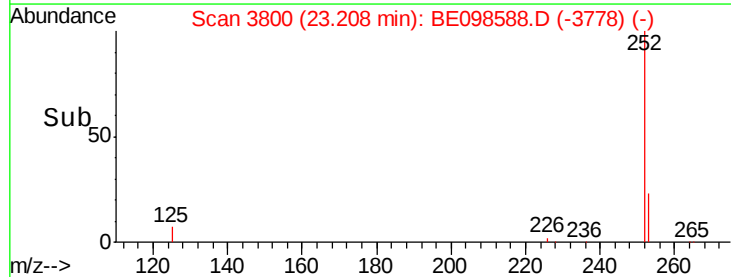
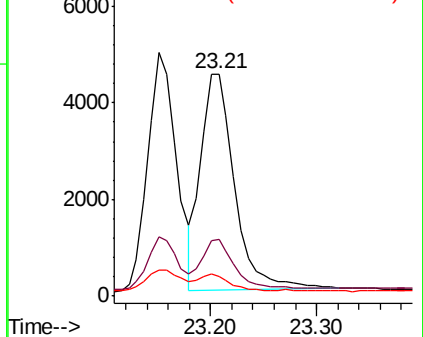
125 8.8 6.2 9.2

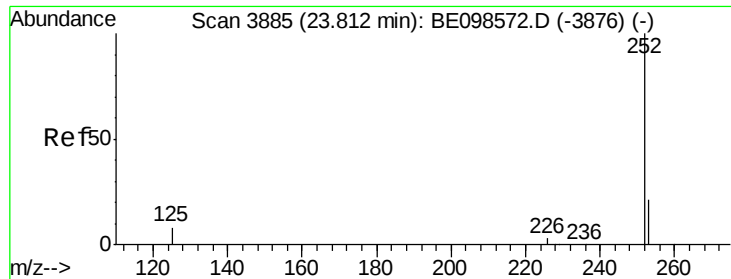


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.407 ng/ul

RT: 23.81 min Scan# 3886

Delta R.T. 0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

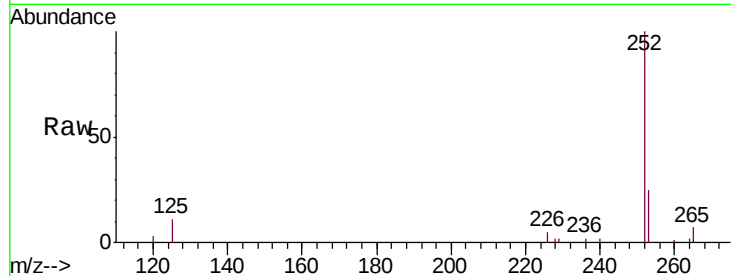
Tgt Ion:252 Resp: 9251

Ion Ratio Lower Upper

252 100

253 25.3 19.4 29.2

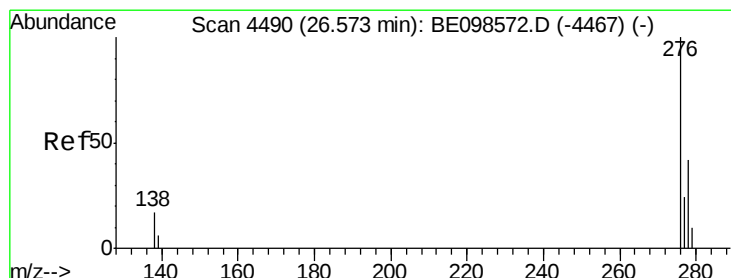
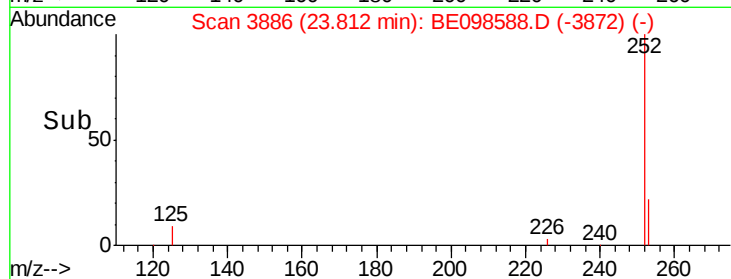
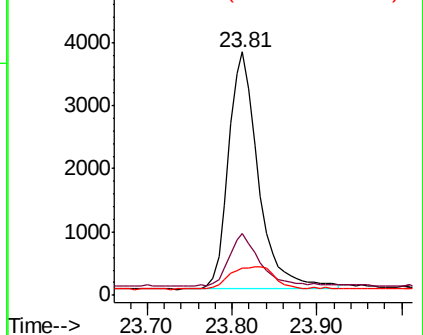
125 11.1 7.8 11.8



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: 0.401 ng/ul

RT: 26.57 min Scan# 4491

Delta R.T. 0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

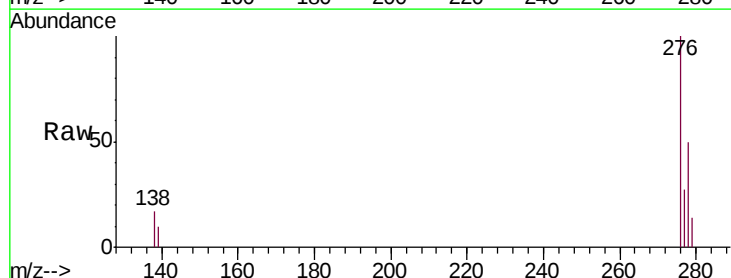
Tgt Ion:276 Resp: 10474

Ion Ratio Lower Upper

276 100

138 17.8 11.8 17.8#

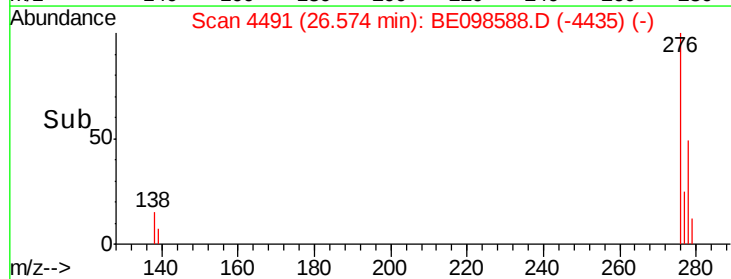
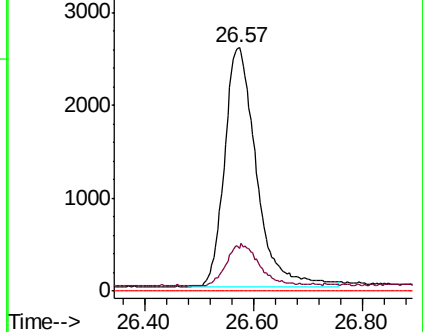
227 0.0 0.0 0.0

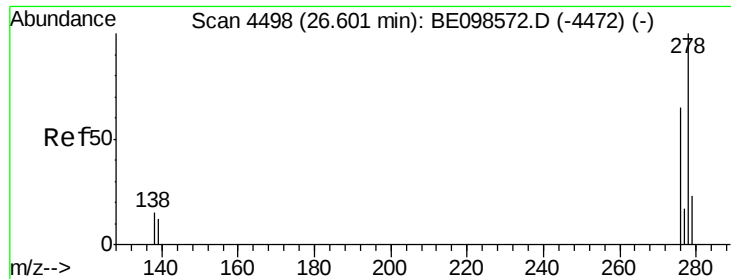


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.403 ng/ul

RT: 26.60 min Scan# 4498

Delta R.T. -0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

Instrument :

BNA_E

ClientSampleId :

SSTD0.410

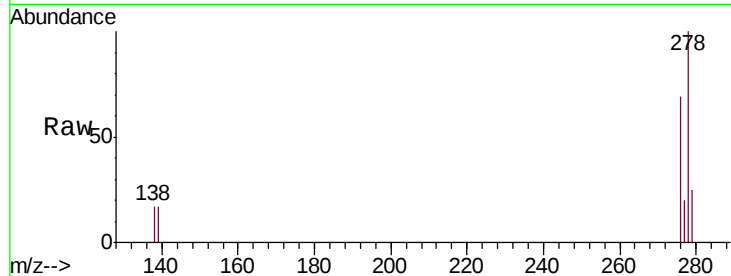
Tgt Ion:278 Resp: 8566

Ion Ratio Lower Upper

278 100

139 17.1 10.0 15.0#

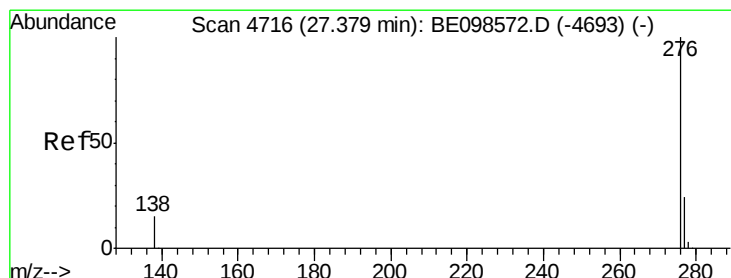
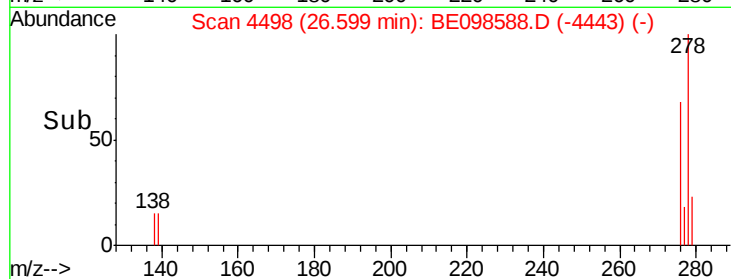
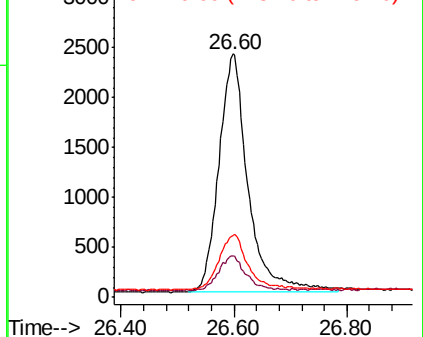
279 25.5 20.3 30.5



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: 0.391 ng/ul

RT: 27.38 min Scan# 4717

Delta R.T. 0.00 min

Lab File: BE098588.D

Acq: 28 Dec 2018 23:36

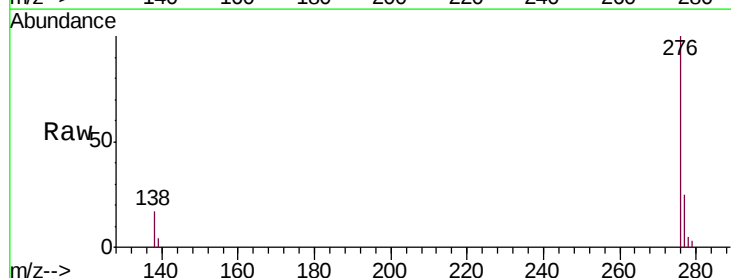
Tgt Ion:276 Resp: 8857

Ion Ratio Lower Upper

276 100

138 16.6 11.6 17.4

277 25.1 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

