

Data File : BE098572.D
Acq On : 28 Dec 2018 13:45
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.409

Quant Time: Dec 29 00:05:07 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 13:09:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	864	0.40	ng/ul	0.00
2) Naphthalene-d8	10.61	136	4157	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	2643	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	6775	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	7763	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	7727	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.21	152	2656	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.26	212	8178	0.38	ng/ul	0.00

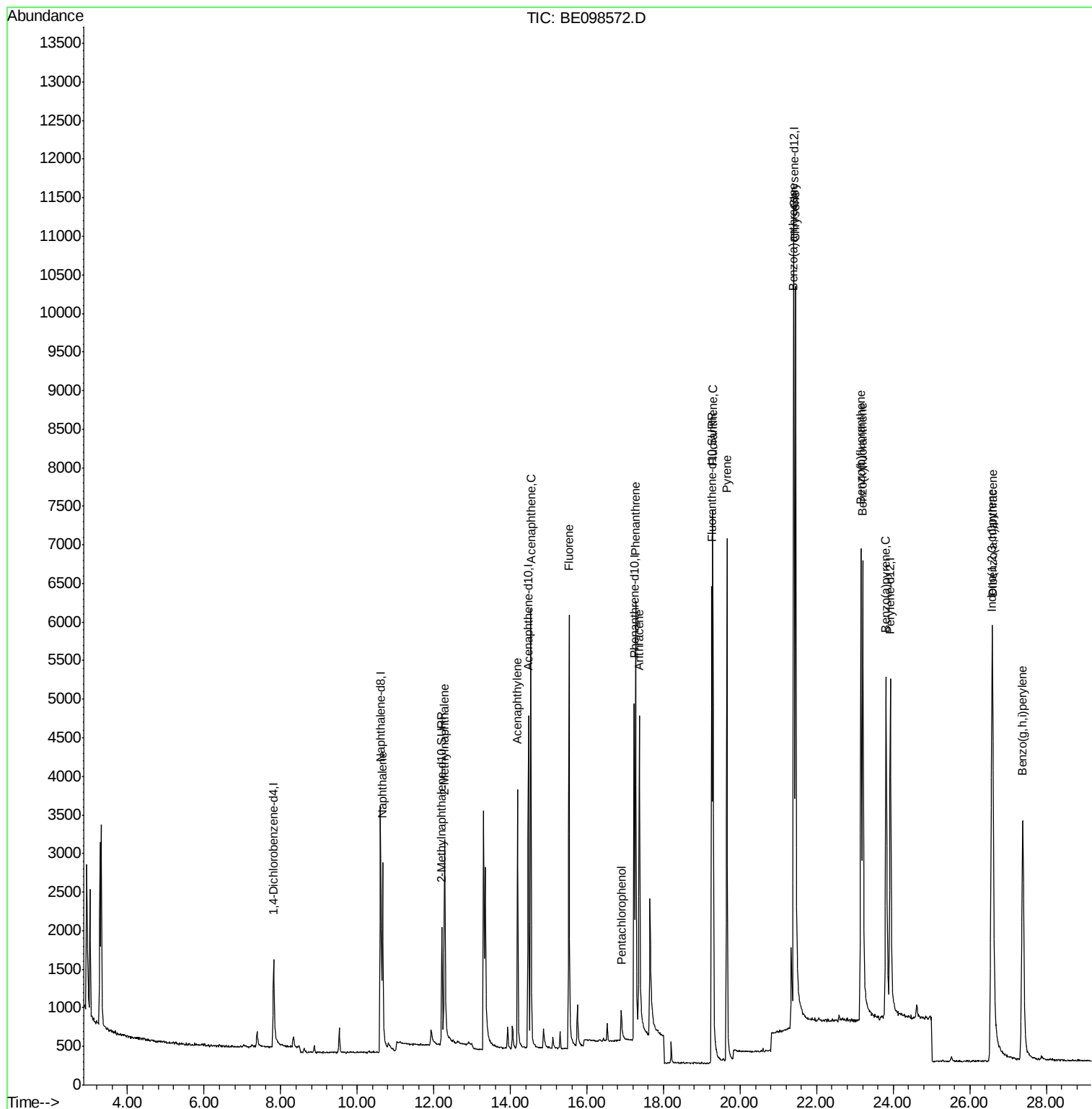
Target Compounds				Qvalue		
3) Naphthalene	10.66	128	4455	0.393	ng/ul	100
5) 2-Methylnaphthalene	12.28	142	2831	0.394	ng/ul	100
7) Acenaphthylene	14.19	152	4386	0.387	ng/ul	99
8) Acenaphthene	14.53	153	3570	0.401	ng/ul	97
9) Fluorene	15.53	166	4158	0.393	ng/ul	99
11) Pentachlorophenol	16.89	266	303	0.301	ng/ul	95
12) Phenanthrene	17.27	178	7032	0.386	ng/ul	98
13) Anthracene	17.37	178	5855	0.384	ng/ul	98
15) Fluoranthene	19.29	202	8964	0.381	ng/ul	93
17) Pyrene	19.65	202	10231	0.412	ng/ul#	95
18) Benzo(a)anthracene	21.39	228	8651	0.382	ng/ul	99
19) Chrysene	21.45	228	11189	0.398	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	9223	0.390	ng/ul	99
22) Benzo(k)fluoranthene	23.20	252	10066	0.388	ng/ul	99
23) Benzo(a)pyrene	23.81	252	8857	0.384	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.57	276	10356	0.391	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.60	278	8601	0.398	ng/ul	98
26) Benzo(g,h,i)perylene	27.38	276	9070	0.395	ng/ul	97

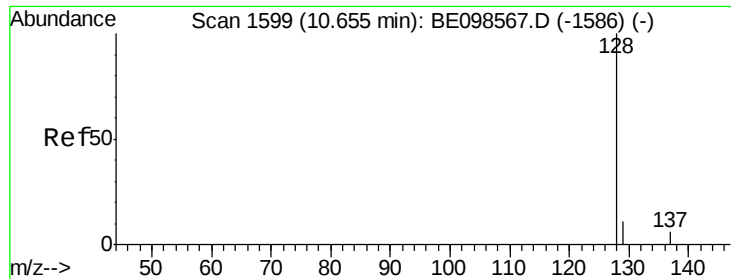
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.393 ng/ul

RT: 10.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

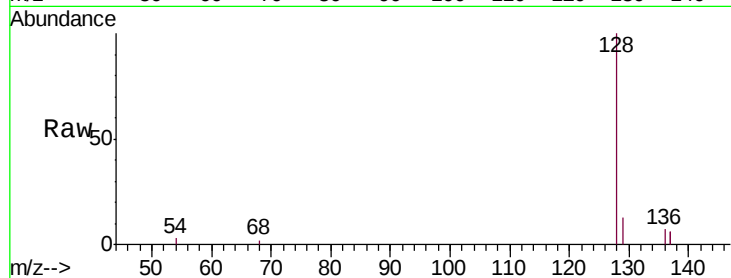
Tgt Ion:128 Resp: 4455

Ion Ratio Lower Upper

128 100

129 13.3 10.5 15.7

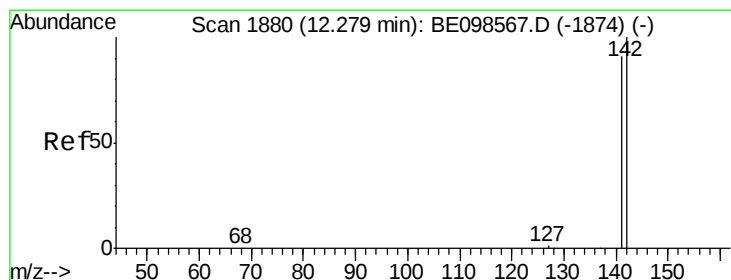
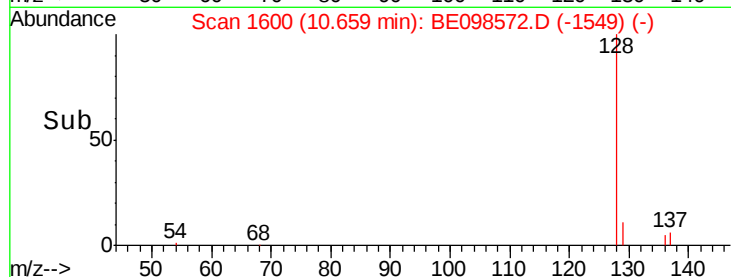
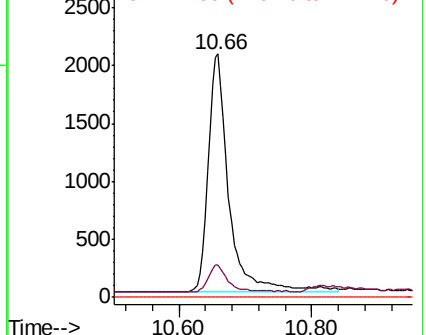
127 0.0 0.0 0.0



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: 0.394 ng/ul

RT: 12.28 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BE098572.D

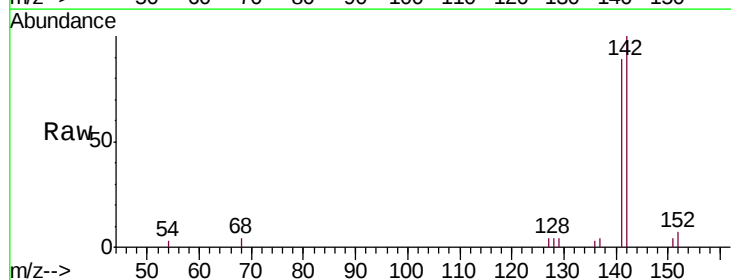
Acq: 28 Dec 2018 13:45

Tgt Ion:142 Resp: 2831

Ion Ratio Lower Upper

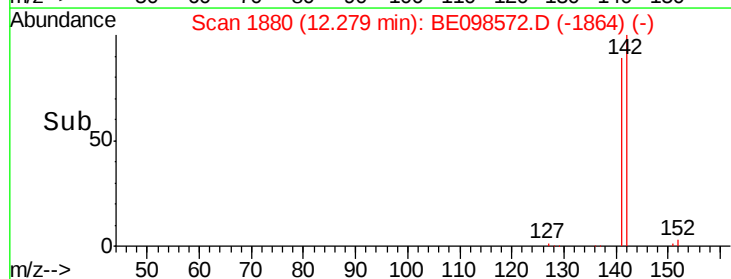
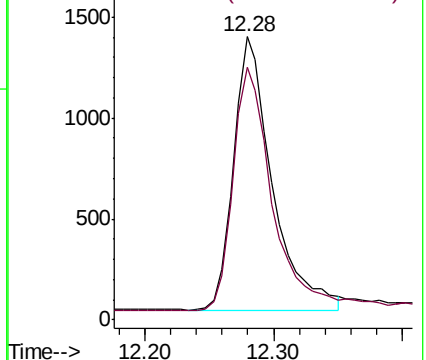
142 100

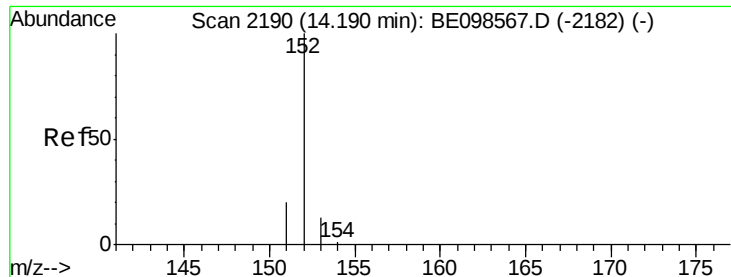
141 90.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.387 ng/ul

RT: 14.19 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

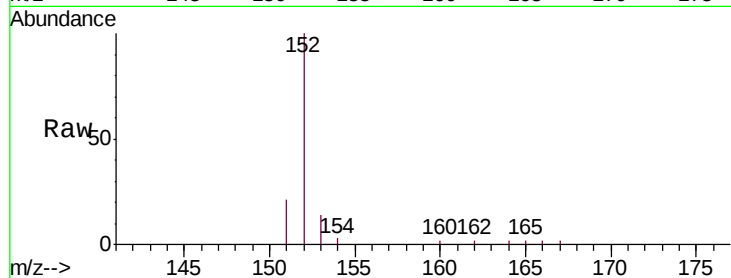
Tgt Ion:152 Resp: 4386

Ion Ratio Lower Upper

152 100

151 21.1 17.3 25.9

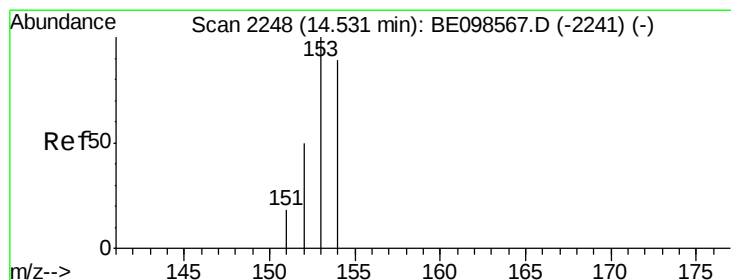
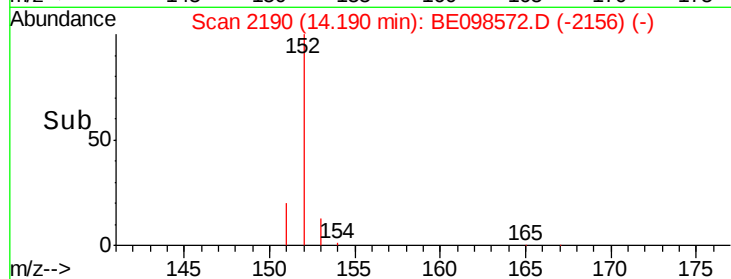
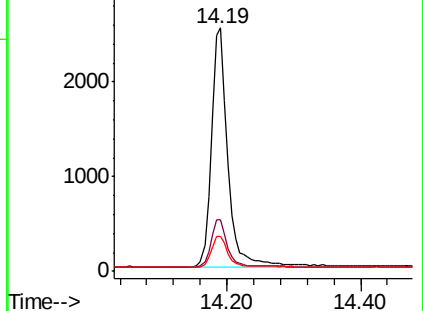
153 14.4 11.9 17.9



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: 0.401 ng/ul

RT: 14.53 min Scan# 2248

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

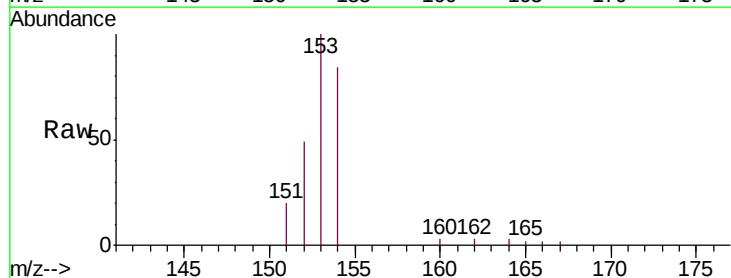
Tgt Ion:153 Resp: 3570

Ion Ratio Lower Upper

153 100

152 49.1 39.4 59.0

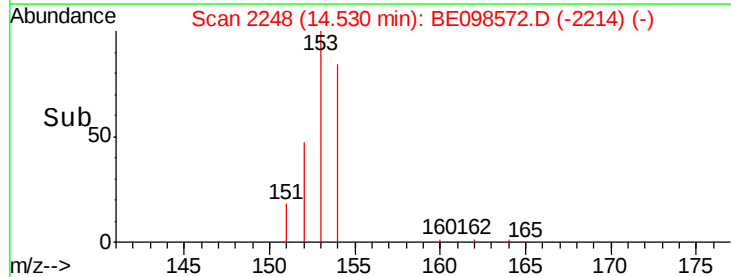
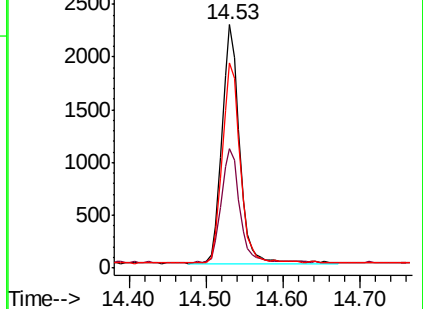
154 84.3 70.5 105.7

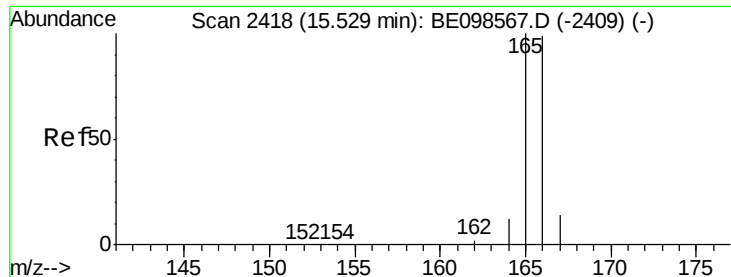


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.393 ng/ul

RT: 15.53 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

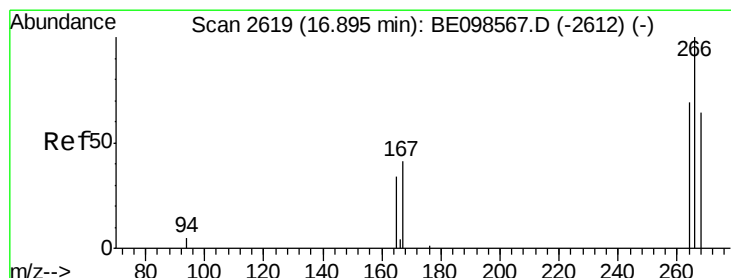
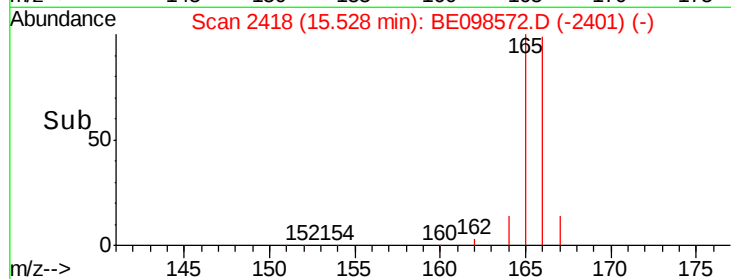
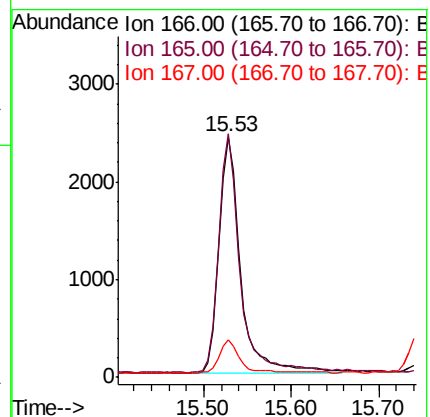
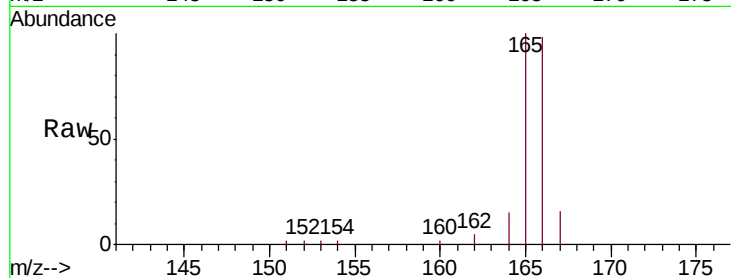
Tgt Ion:166 Resp: 4158

Ion Ratio Lower Upper

166 100

165 101.5 80.2 120.4

167 15.8 12.0 18.0



#11

Pentachlorophenol

Concen: 0.301 ng/ul

RT: 16.89 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

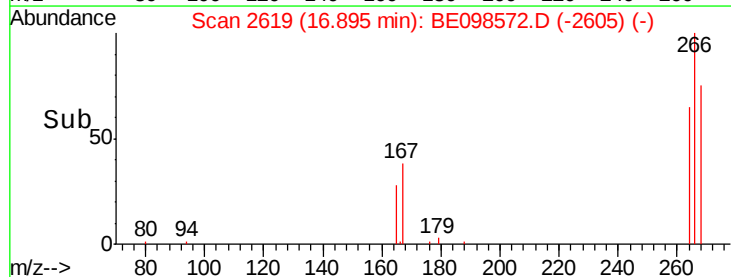
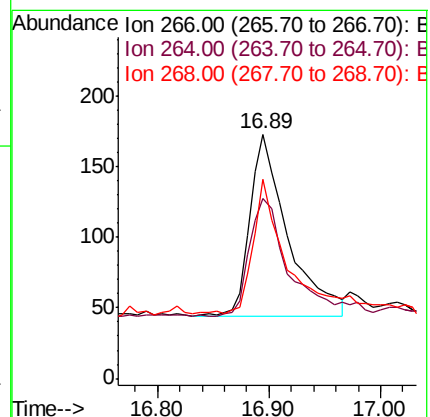
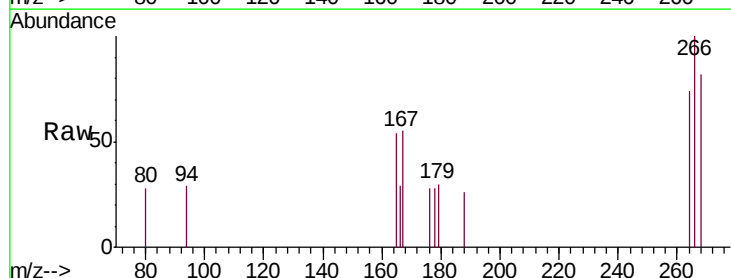
Tgt Ion:266 Resp: 303

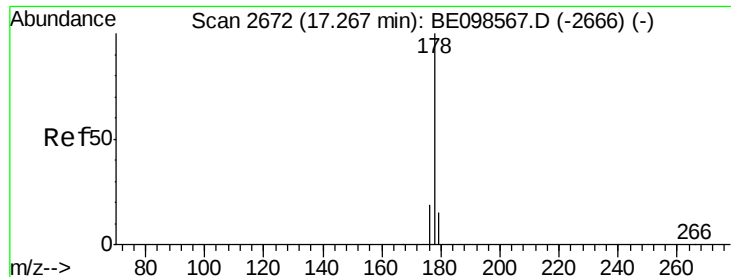
Ion Ratio Lower Upper

266 100

264 65.3 48.5 72.7

268 63.4 53.7 80.5





#12

Phenanthrene

Concen: 0.386 ng/ul

RT: 17.27 min Scan# 2672

Delta R.T. 0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

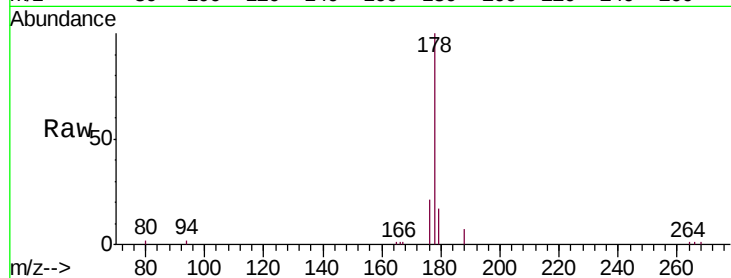
Tgt Ion:178 Resp: 7032

Ion Ratio Lower Upper

178 100

179 16.6 13.0 19.4

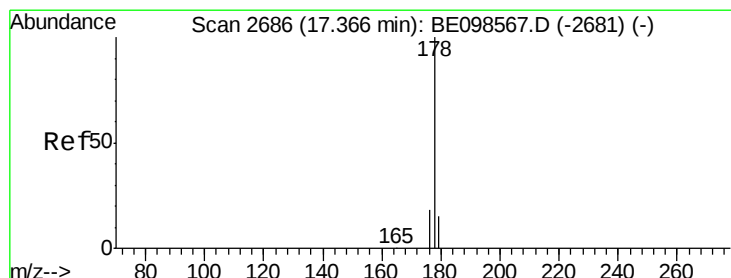
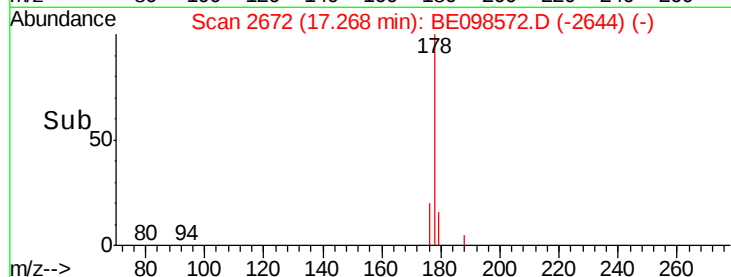
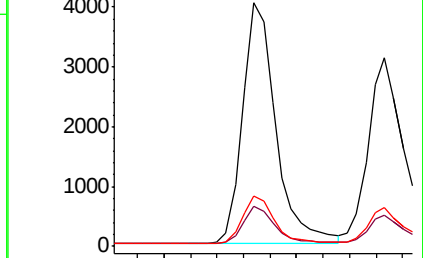
176 20.5 15.7 23.5



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: 0.384 ng/ul

RT: 17.37 min Scan# 2686

Delta R.T. 0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

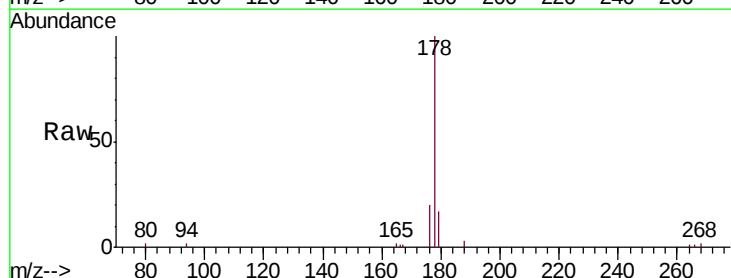
Tgt Ion:178 Resp: 5855

Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

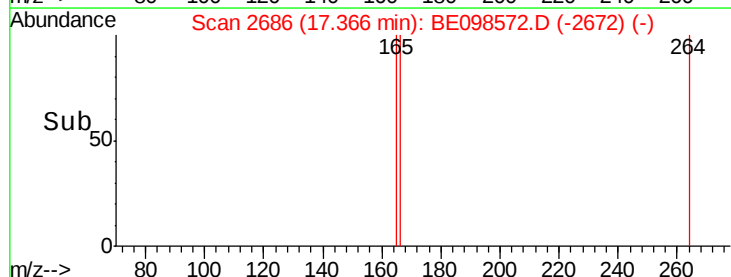
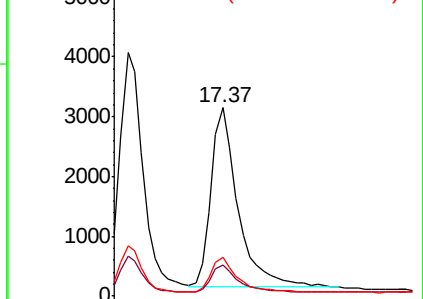
176 20.3 15.6 23.4

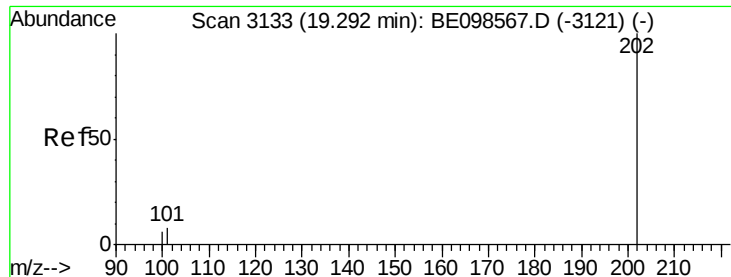


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.381 ng/ul

RT: 19.29 min Scan# 3132

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

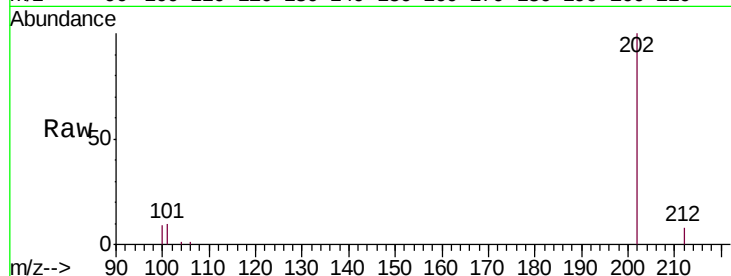
Tgt Ion:202 Resp: 8964

Ion Ratio Lower Upper

202 100

101 9.5 0.0 27.5

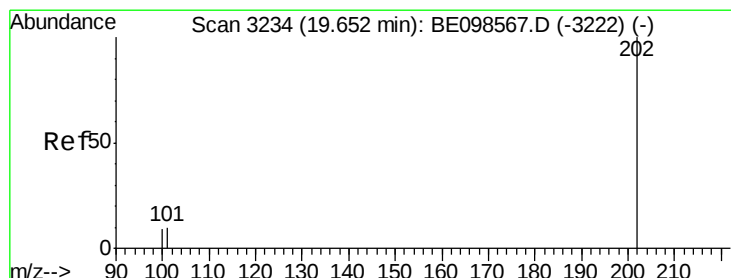
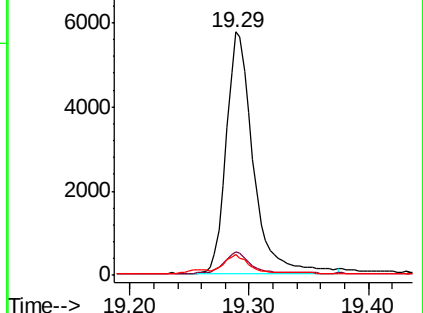
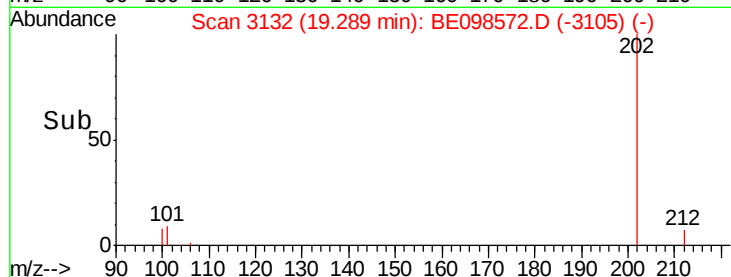
100 8.5 0.0 26.0



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: 0.412 ng/ul

RT: 19.65 min Scan# 3234

Delta R.T. 0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

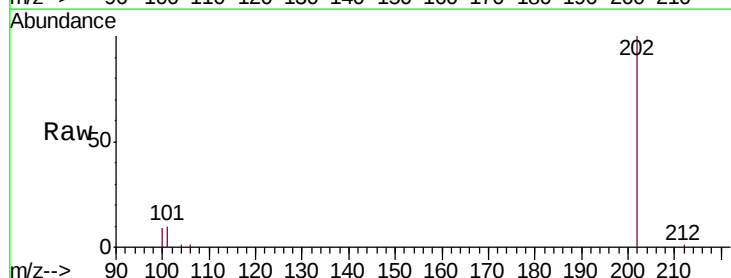
Tgt Ion:202 Resp: 10231

Ion Ratio Lower Upper

202 100

101 10.3 6.9 10.3#

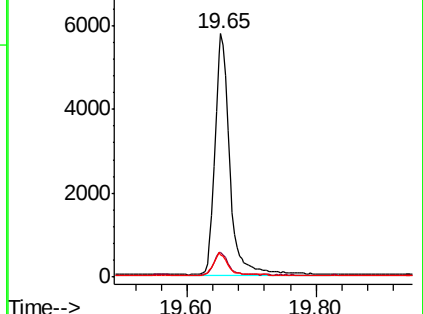
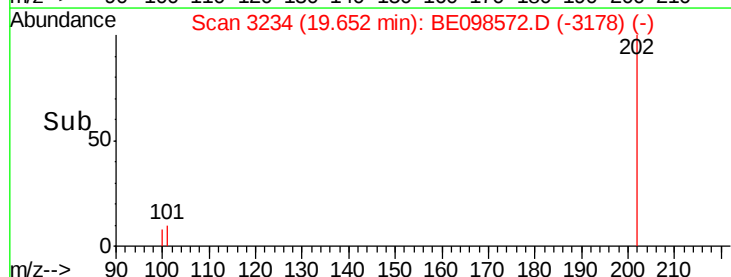
100 9.1 6.0 9.0#

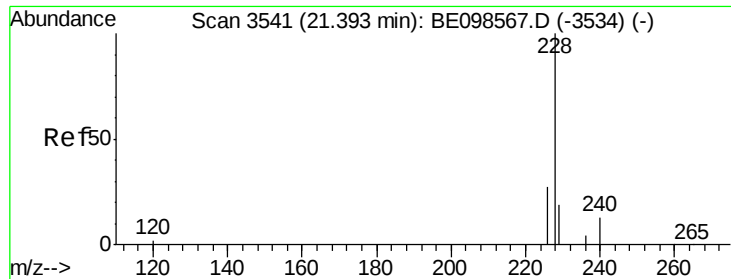


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.382 ng/ul

RT: 21.39 min Scan# 3541

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

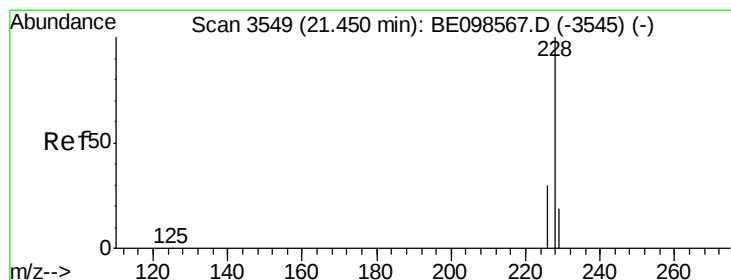
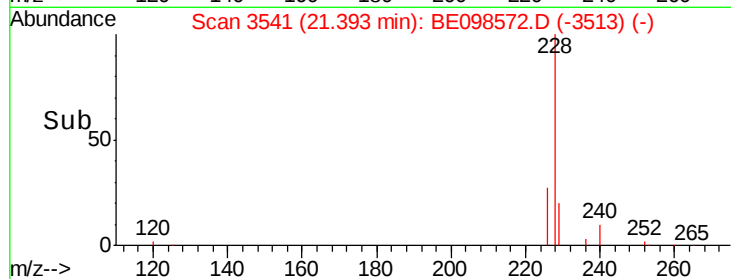
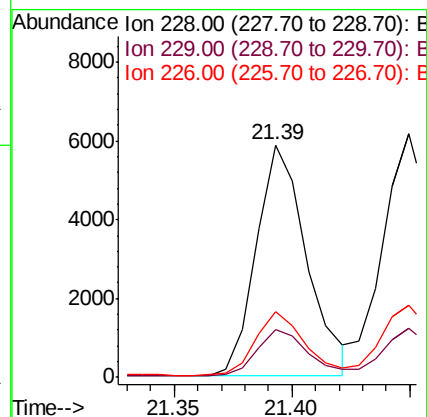
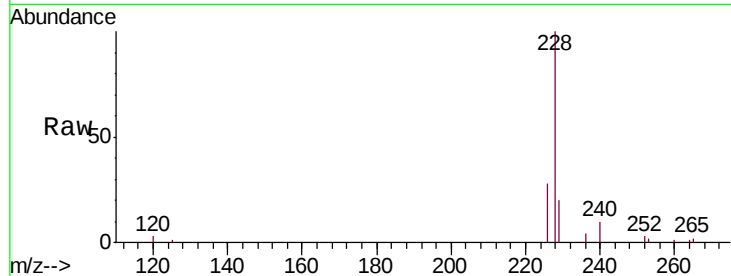
Tgt Ion:228 Resp: 8651

Ion Ratio Lower Upper

228 100

229 20.4 16.1 24.1

226 28.0 22.2 33.4



#19

Chrysene

Concen: 0.398 ng/ul

RT: 21.45 min Scan# 3549

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

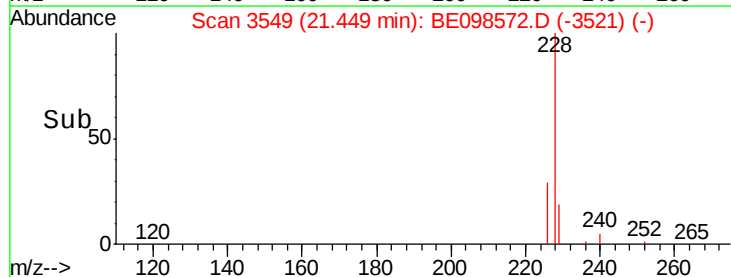
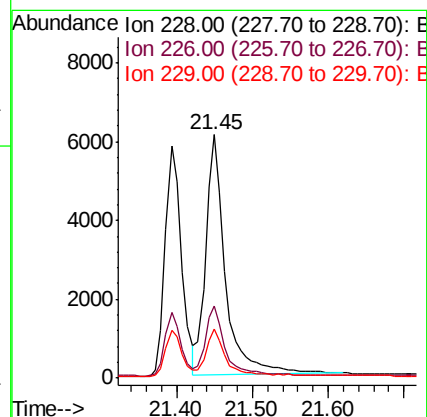
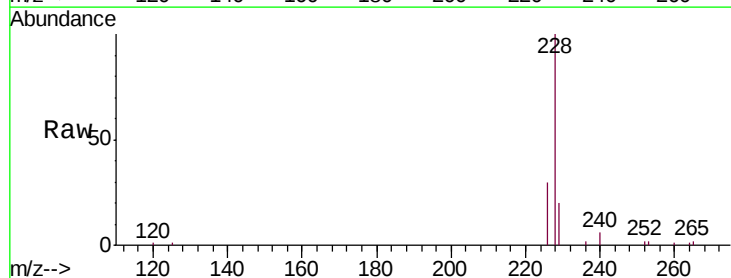
Tgt Ion:228 Resp: 11189

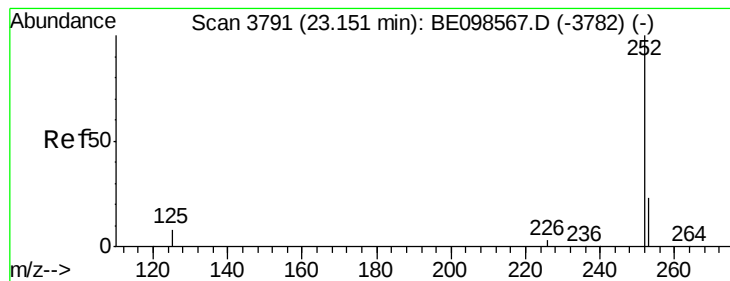
Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

229 19.9 16.4 24.6





#21

Benzo(b)fluoranthene

Concen: 0.390 ng/ul

RT: 23.15 min Scan# 3791

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

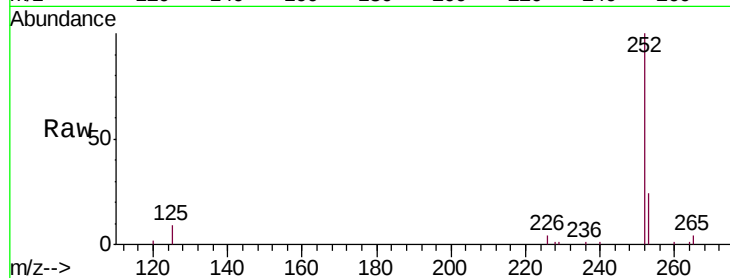
Tgt Ion:252 Resp: 9223

Ion Ratio Lower Upper

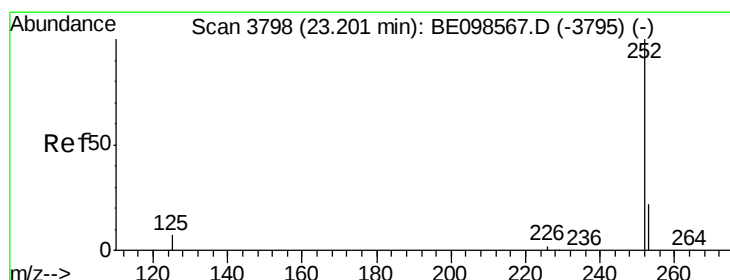
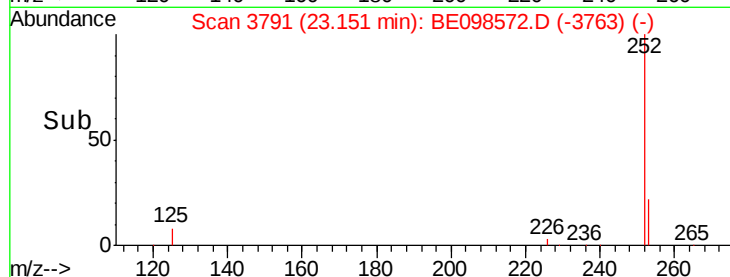
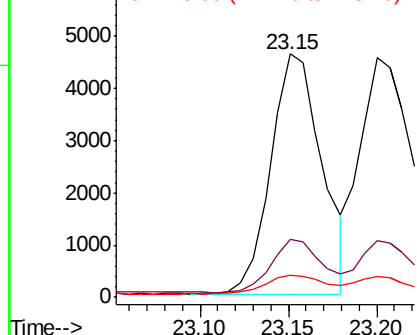
252 100

253 23.7 0.0 47.8

125 9.3 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: 0.388 ng/ul

RT: 23.20 min Scan# 3798

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

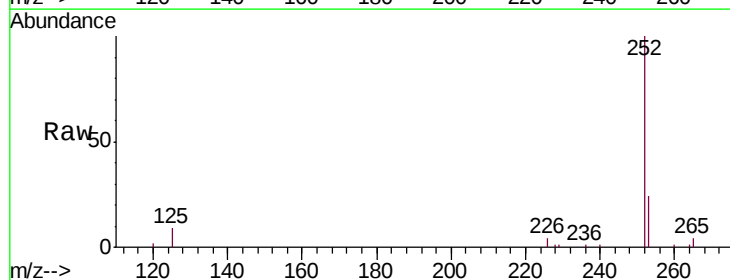
Tgt Ion:252 Resp: 10066

Ion Ratio Lower Upper

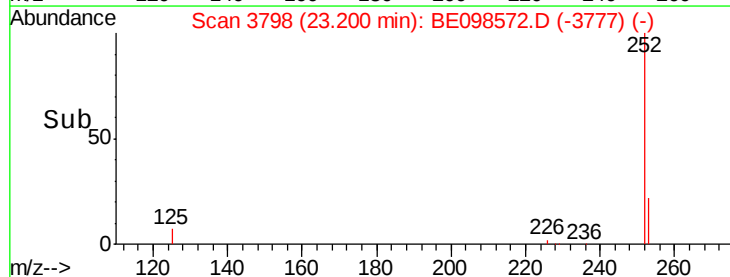
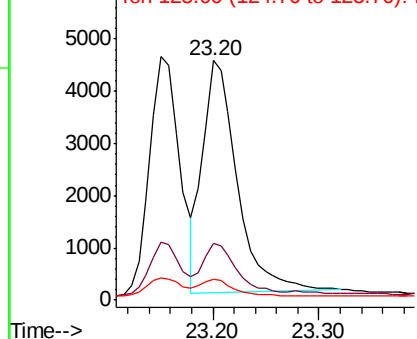
252 100

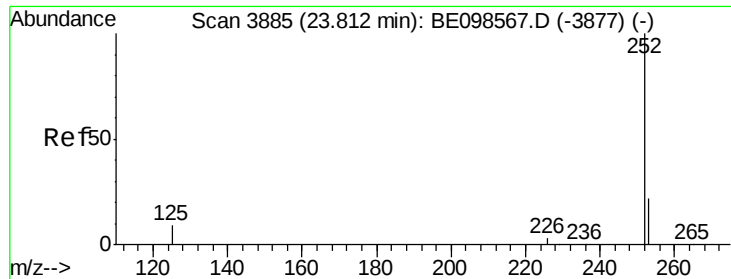
253 23.8 19.3 28.9

125 8.9 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: 0.384 ng/ul

RT: 23.81 min Scan# 3885

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

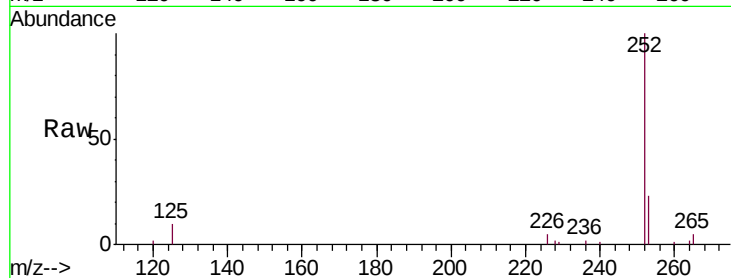
Tgt Ion:252 Resp: 8857

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.2

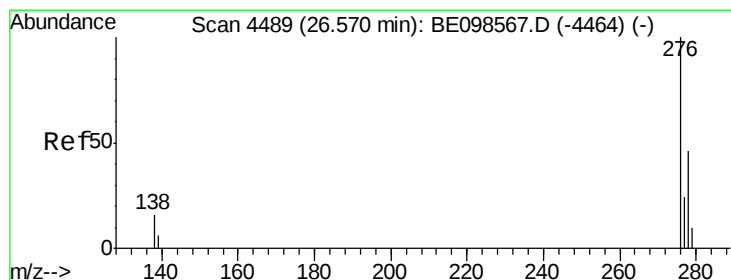
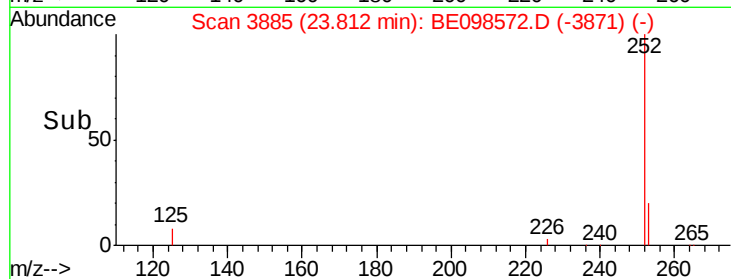
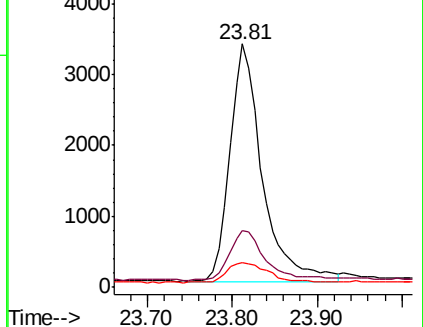
125 10.1 7.8 11.8



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: 0.391 ng/ul

RT: 26.57 min Scan# 4490

Delta R.T. 0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

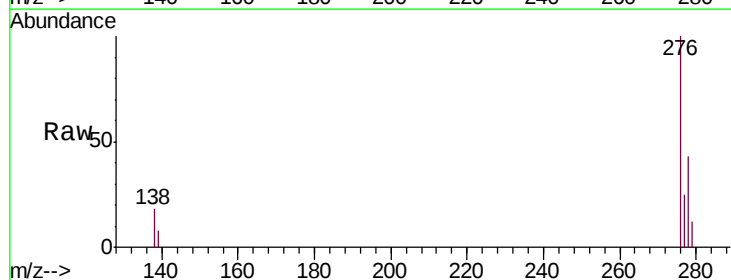
Tgt Ion:276 Resp: 10356

Ion Ratio Lower Upper

276 100

138 19.0 11.8 17.8#

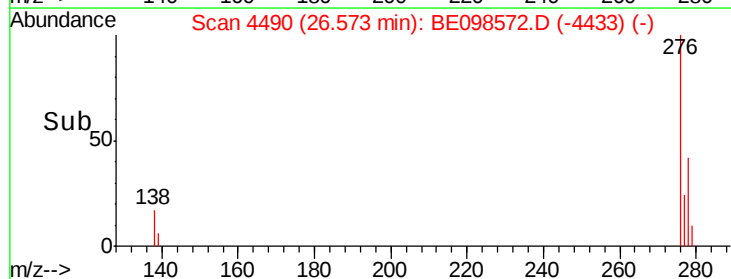
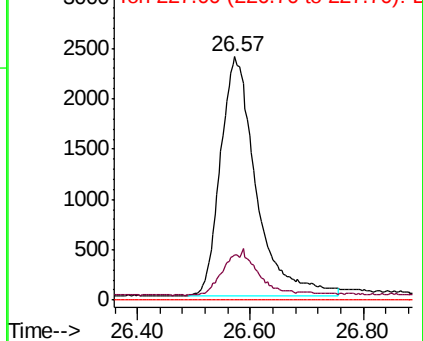
227 0.0 0.0 0.0

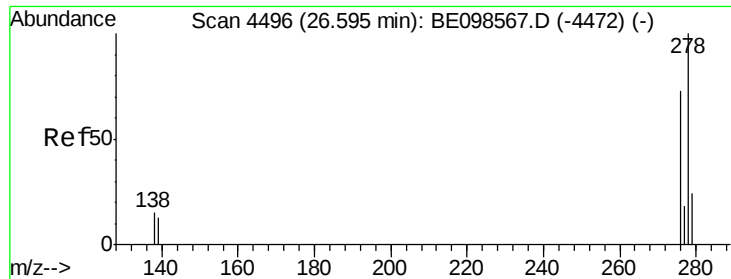


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.398 ng/ul

RT: 26.60 min Scan# 4498

Delta R.T. 0.01 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.409

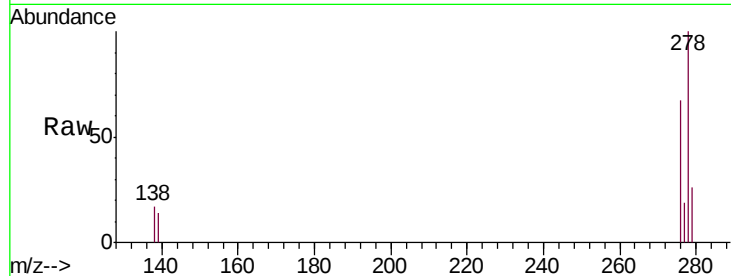
Tgt Ion:278 Resp: 8601

Ion Ratio Lower Upper

278 100

139 14.3 10.0 15.0

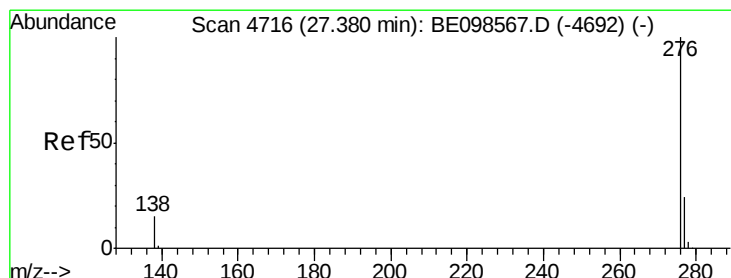
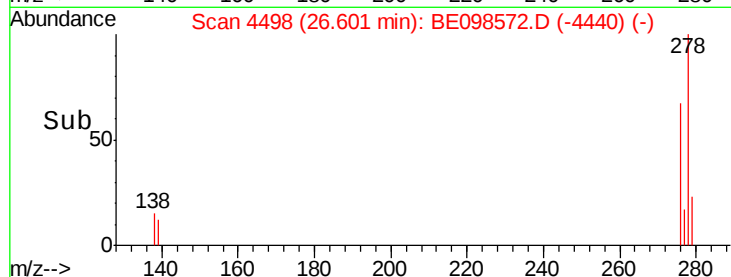
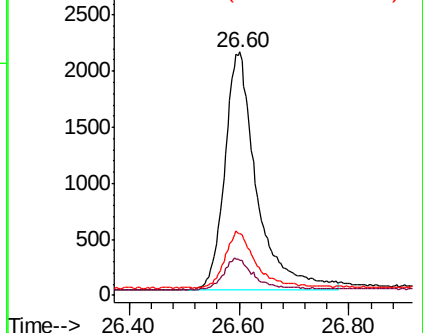
279 25.6 20.3 30.5



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: 0.395 ng/ul

RT: 27.38 min Scan# 4716

Delta R.T. -0.00 min

Lab File: BE098572.D

Acq: 28 Dec 2018 13:45

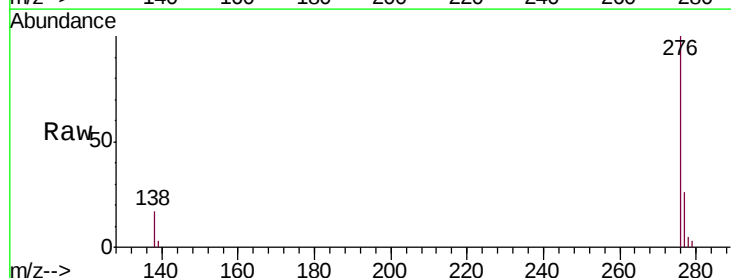
Tgt Ion:276 Resp: 9070

Ion Ratio Lower Upper

276 100

138 17.2 11.6 17.4

277 25.7 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

