

Data File : BE098598.D
Acq On : 29 Dec 2018 5:43
Operator : SJ/JU
Sample : SSTDC00.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.411

Quant Time: Dec 29 06:15:18 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 02:46:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	875	0.40	ng/ul	0.00
2) Naphthalene-d8	10.61	136	4151	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	2736	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	6726	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	7659	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	7676	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.21	152	2780	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.26	212	8533	0.40	ng/ul	0.00

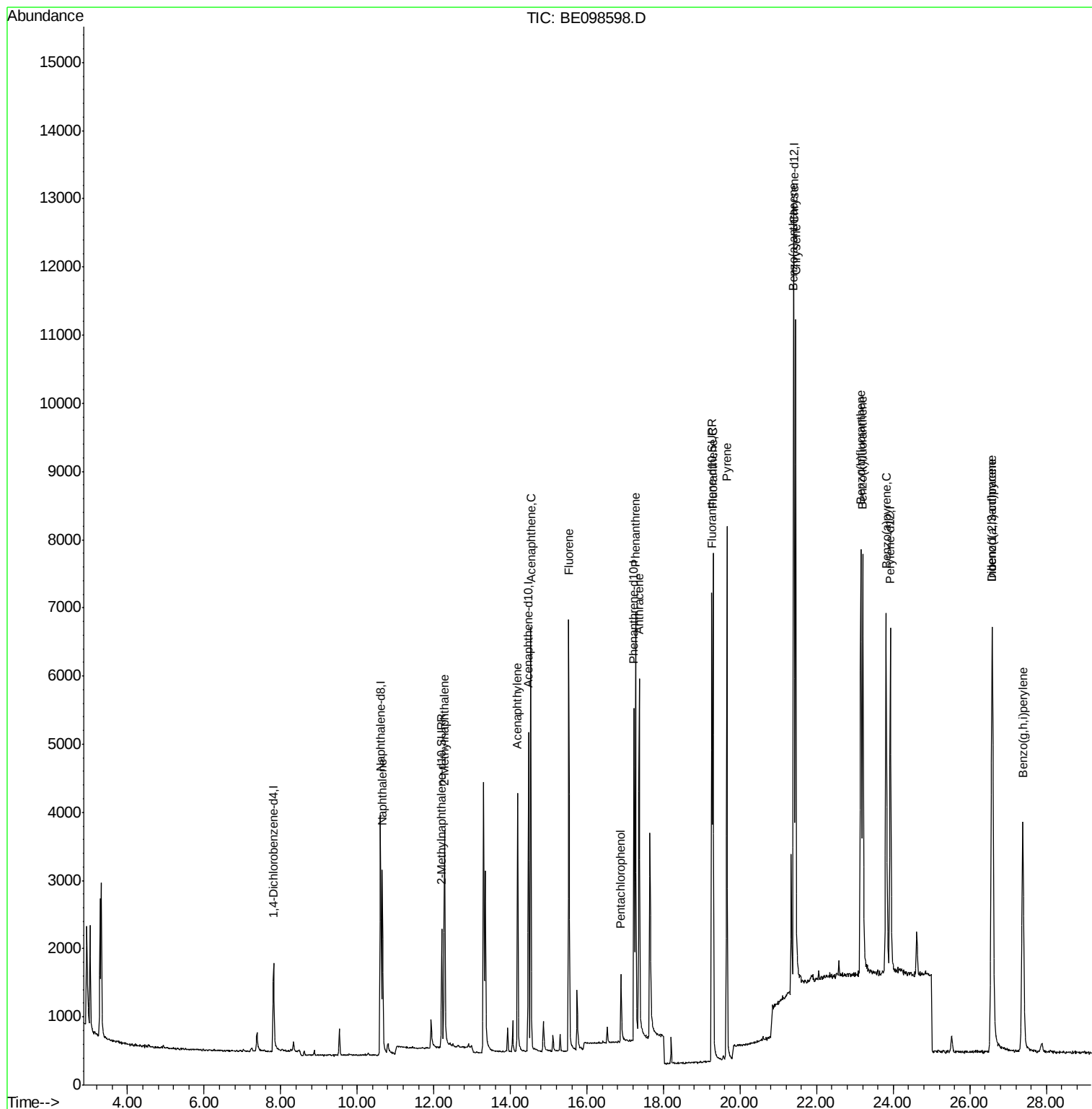
Target Compounds				Qvalue		
3) Naphthalene	10.65	128	4434	0.392	ng/ul	98
5) 2-Methylnaphthalene	12.28	142	3069	0.427	ng/ul	98
7) Acenaphthylene	14.19	152	4717	0.402	ng/ul	100
8) Acenaphthene	14.53	153	3704	0.402	ng/ul	98
9) Fluorene	15.52	166	4352	0.397	ng/ul	97
11) Pentachlorophenol	16.89	266	613	0.614	ng/ul	96
12) Phenanthrene	17.27	178	6933	0.383	ng/ul	99
13) Anthracene	17.36	178	6468	0.427	ng/ul	98
15) Fluoranthene	19.29	202	9014	0.386	ng/ul	96
17) Pyrene	19.65	202	9218	0.376	ng/ul#	95
18) Benzo(a)anthracene	21.39	228	9357	0.419	ng/ul	98
19) Chrysene	21.45	228	10001	0.361	ng/ul	99
21) Benzo(b)fluoranthene	23.16	252	9249	0.394	ng/ul	93
22) Benzo(k)fluoranthene	23.21	252	9647	0.374	ng/ul	97
23) Benzo(a)pyrene	23.81	252	9198	0.402	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	26.58	276	10532	0.400	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.59	278	8568	0.400	ng/ul#	92
26) Benzo(g,h,i)perylene	27.38	276	8848	0.387	ng/ul	98

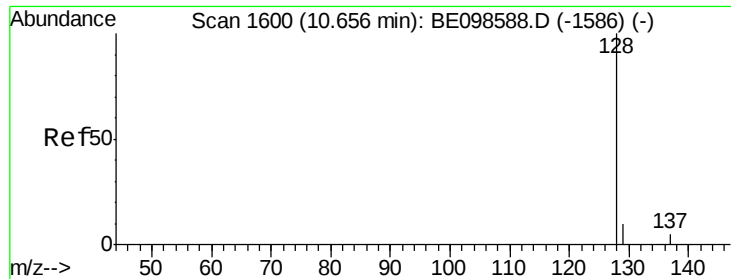
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.392 ng/ul

RT: 10.65 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.411

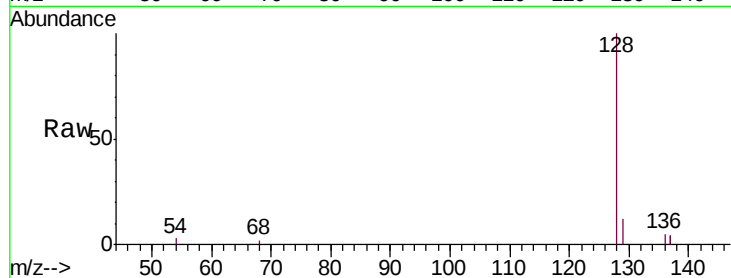
Tgt Ion:128 Resp: 4434

Ion Ratio Lower Upper

128 100

129 12.3 10.5 15.7

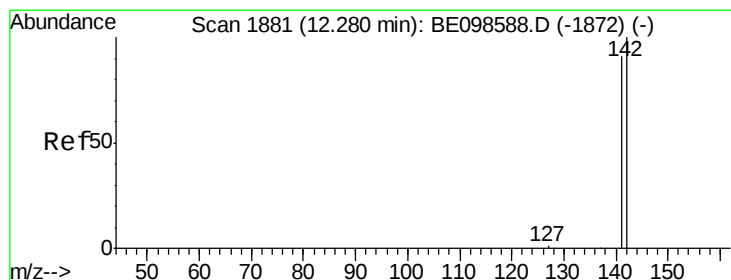
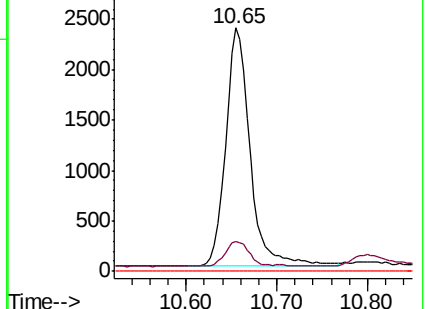
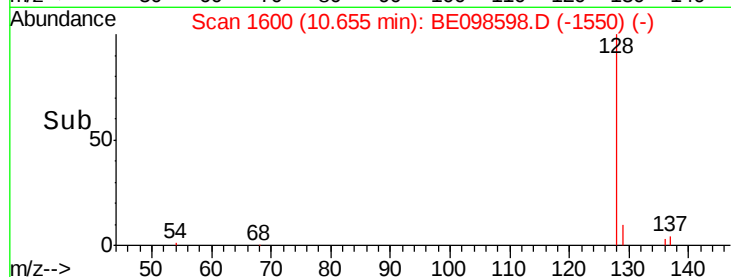
127 0.0 0.0 0.0



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: 0.427 ng/ul

RT: 12.28 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BE098598.D

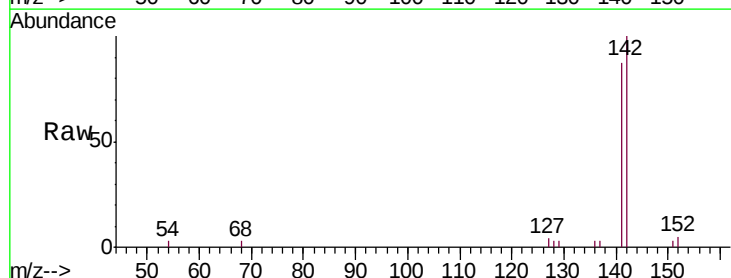
Acq: 29 Dec 2018 5:43

Tgt Ion:142 Resp: 3069

Ion Ratio Lower Upper

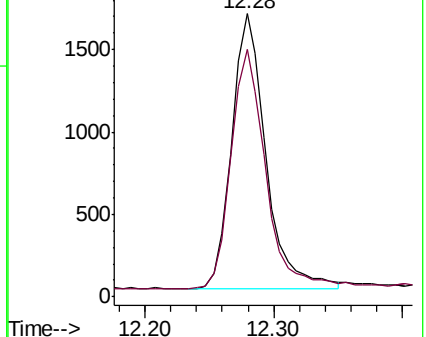
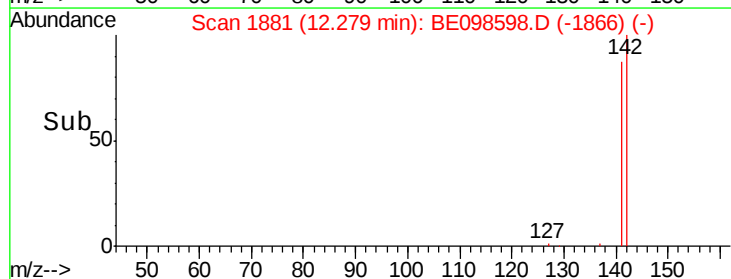
142 100

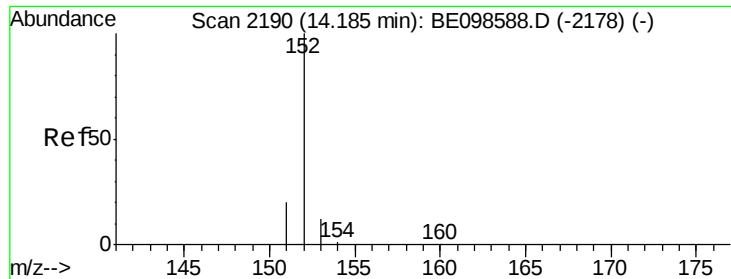
141 89.1 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.402 ng/ul

RT: 14.19 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.411

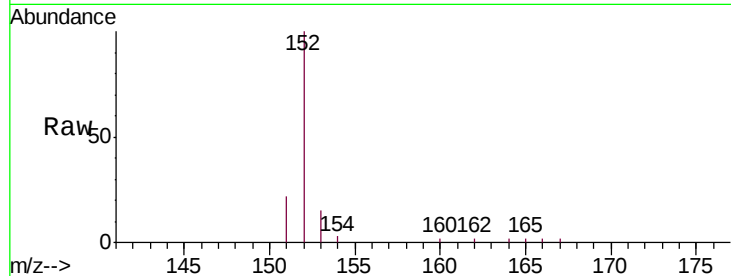
Tgt Ion:152 Resp: 4717

Ion Ratio Lower Upper

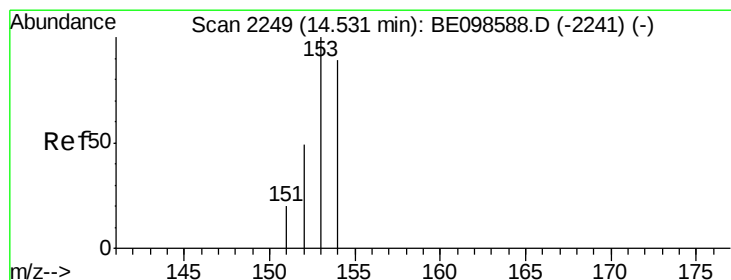
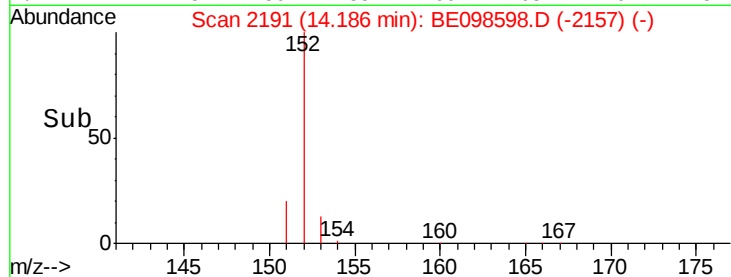
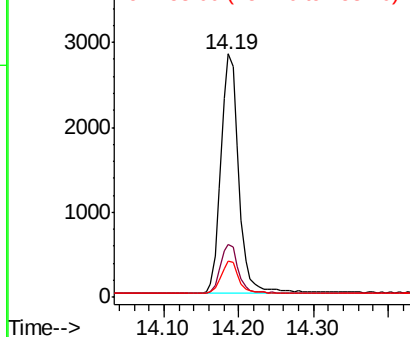
152 100

151 21.7 17.3 25.9

153 14.8 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: 0.402 ng/ul

RT: 14.53 min Scan# 2250

Delta R.T. 0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

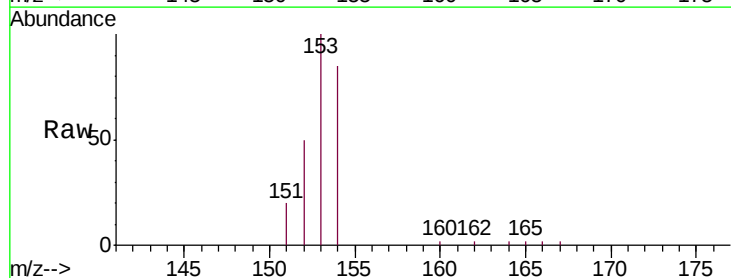
Tgt Ion:153 Resp: 3704

Ion Ratio Lower Upper

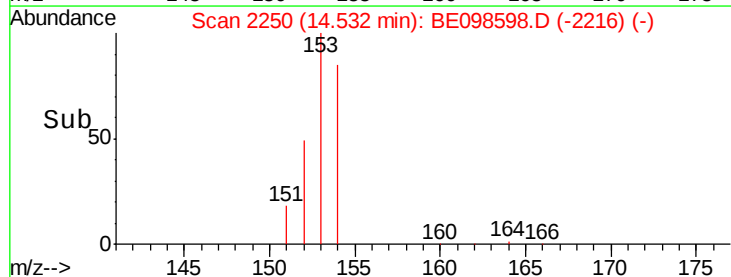
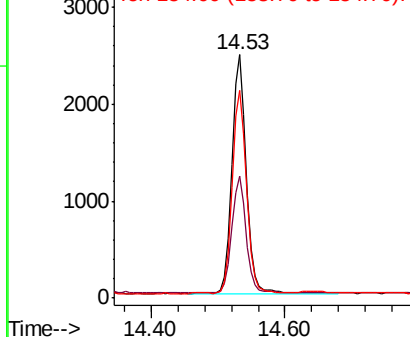
153 100

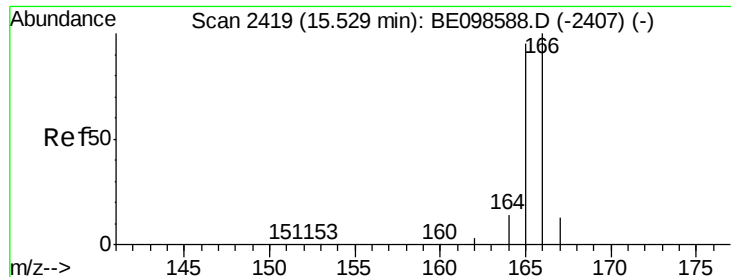
152 49.9 39.4 59.0

154 85.3 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

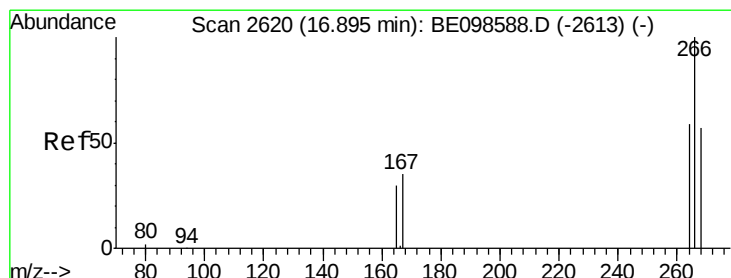
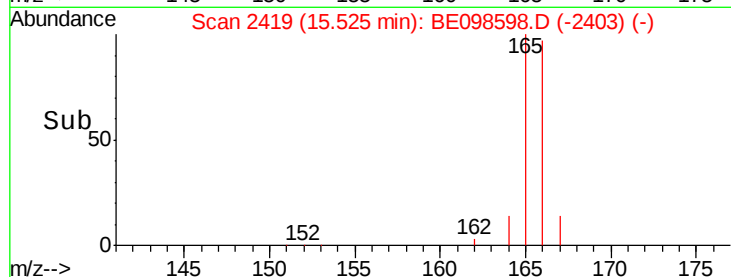
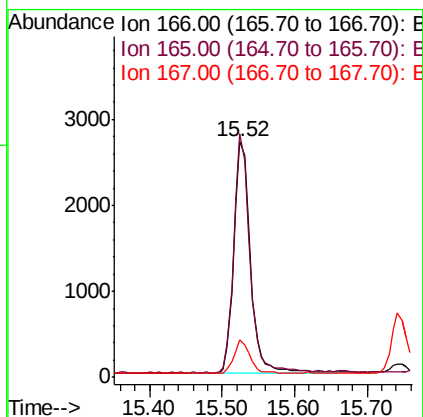
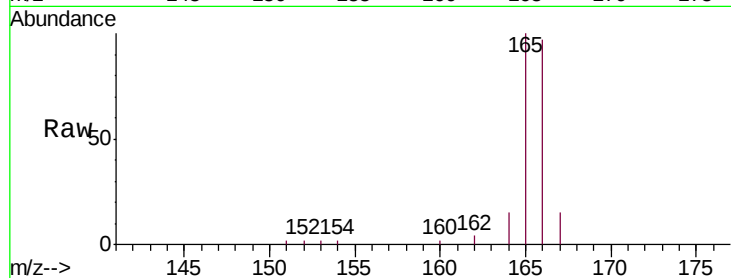




#9
Fluorene
 Concen: 0.397 ng/ul
 RT: 15.52 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BE098598.D
 Acq: 29 Dec 2018 5:43

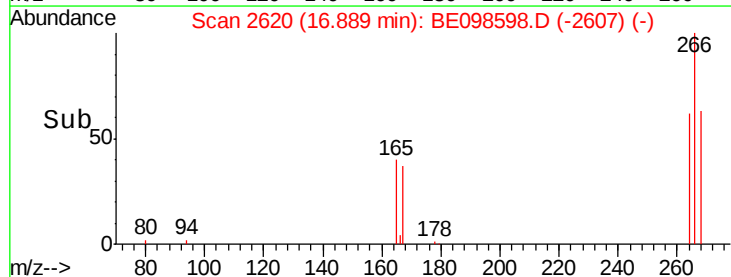
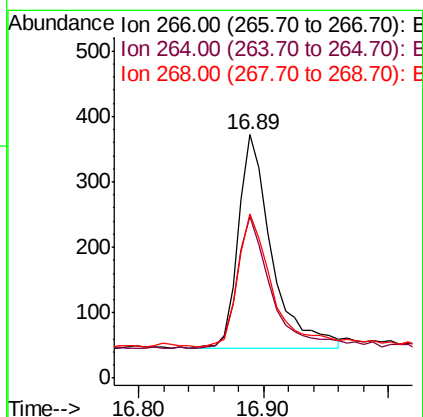
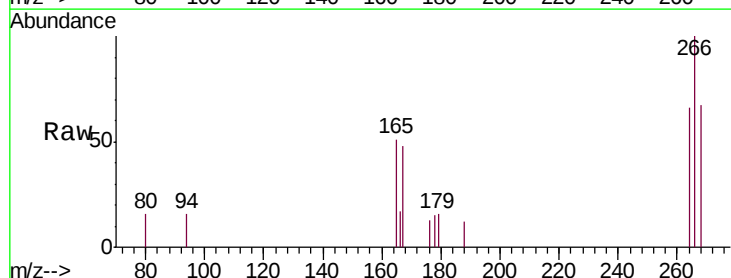
Instrument :
 BNA_E
 ClientSampleId :
 SST0.411

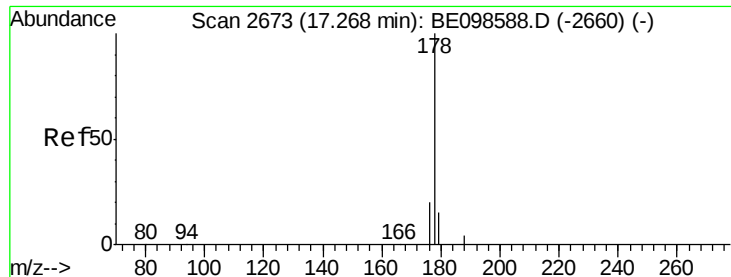
Tgt Ion:166 Resp: 4352
 Ion Ratio Lower Upper
 166 100
 165 103.4 80.2 120.4
 167 15.7 12.0 18.0



#11
Pentachlorophenol
 Concen: 0.614 ng/ul
 RT: 16.89 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BE098598.D
 Acq: 29 Dec 2018 5:43

Tgt Ion:266 Resp: 613
 Ion Ratio Lower Upper
 266 100
 264 63.9 48.5 72.7
 268 64.3 53.7 80.5





#12

Phenanthrene

Concen: 0.383 ng/ul

RT: 17.27 min Scan# 2674

Delta R.T. 0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.411

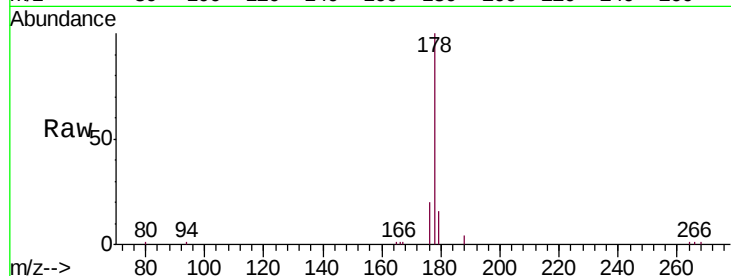
Tgt Ion:178 Resp: 6933

Ion Ratio Lower Upper

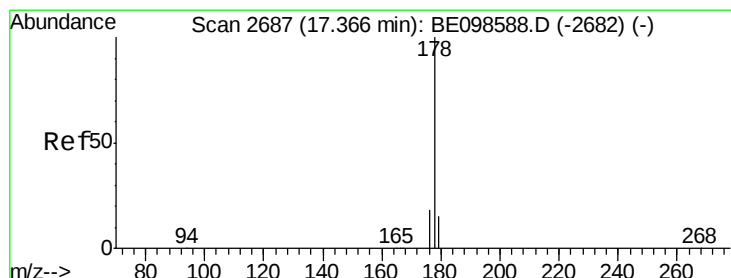
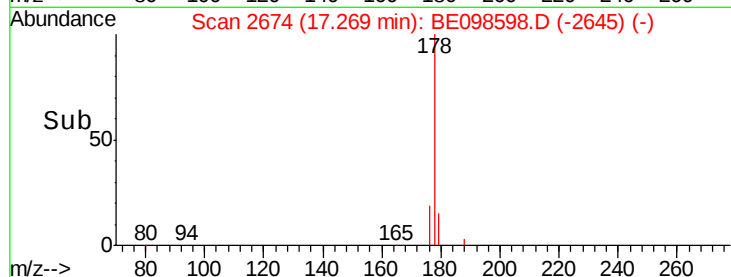
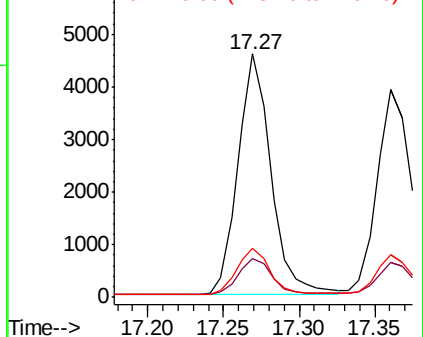
178 100

179 16.0 13.0 19.4

176 20.2 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: 0.427 ng/ul

RT: 17.36 min Scan# 2687

Delta R.T. -0.01 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

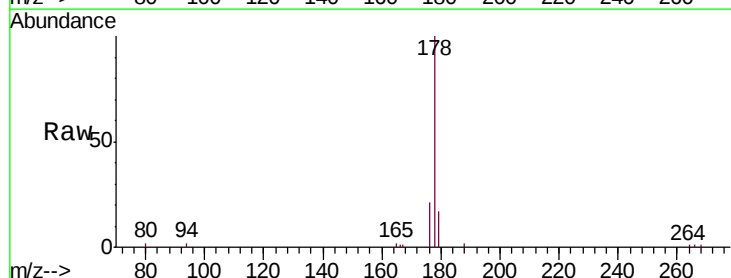
Tgt Ion:178 Resp: 6468

Ion Ratio Lower Upper

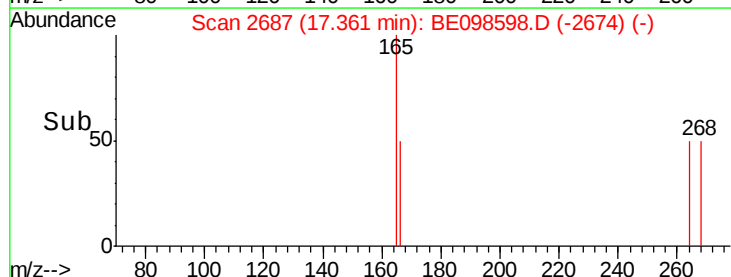
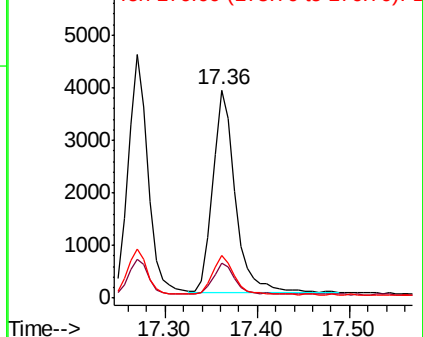
178 100

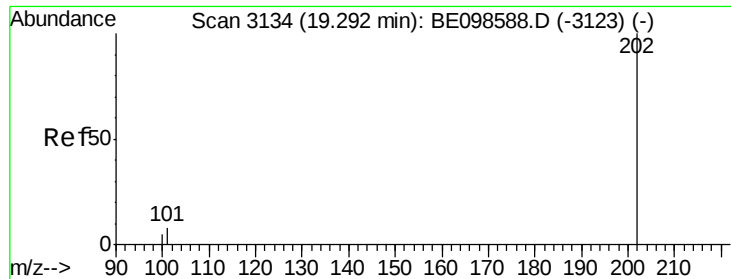
179 16.7 12.6 19.0

176 20.6 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: 0.386 ng/ul

RT: 19.29 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.411

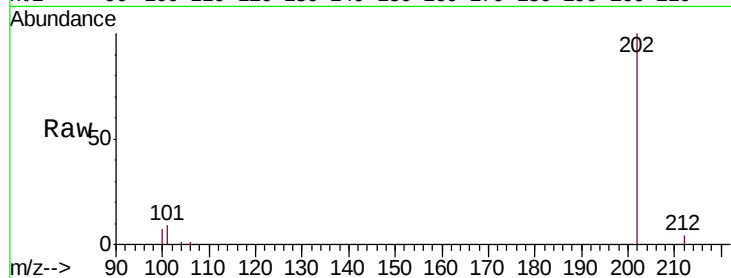
Tgt Ion:202 Resp: 9014

Ion Ratio Lower Upper

202 100

101 8.6 0.0 27.5

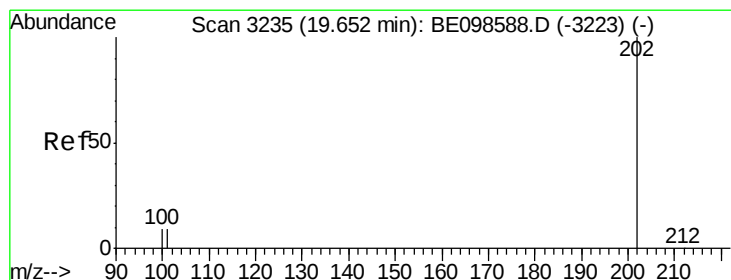
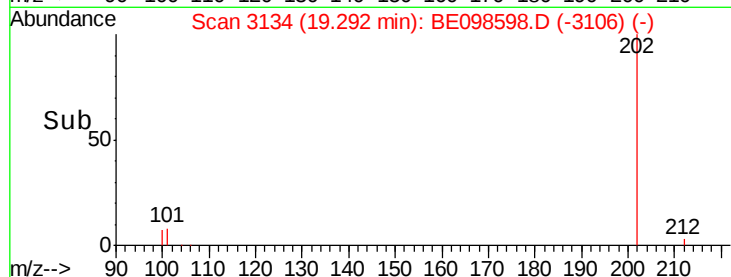
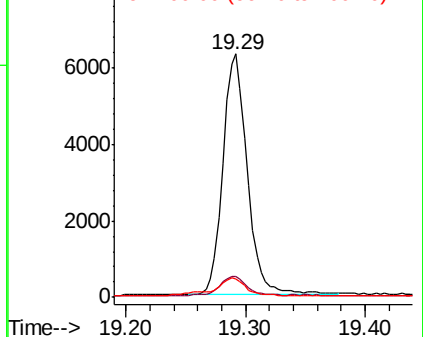
100 7.5 0.0 26.0



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: 0.376 ng/ul

RT: 19.65 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

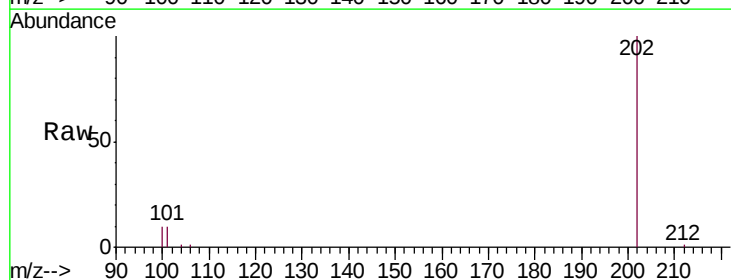
Tgt Ion:202 Resp: 9218

Ion Ratio Lower Upper

202 100

101 10.1 6.9 10.3

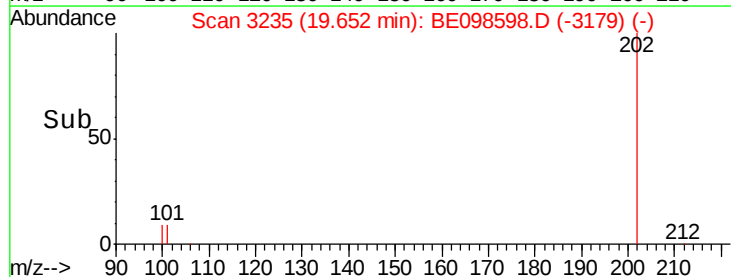
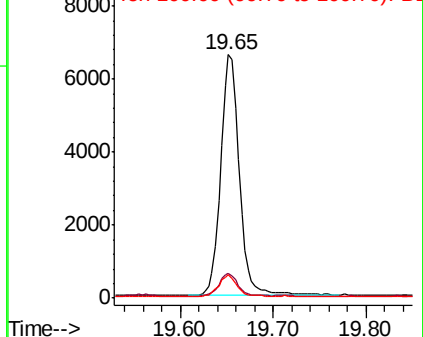
100 9.7 6.0 9.0#

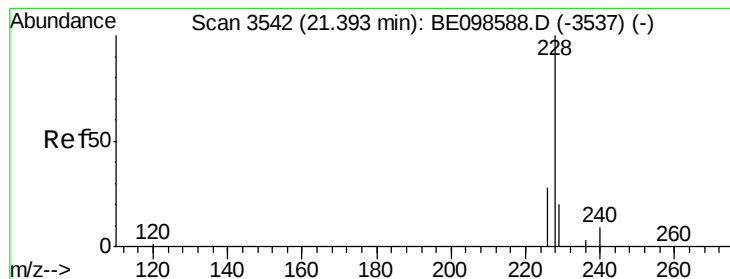


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.419 ng/ul

RT: 21.39 min Scan# 3542

Delta R.T. -0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

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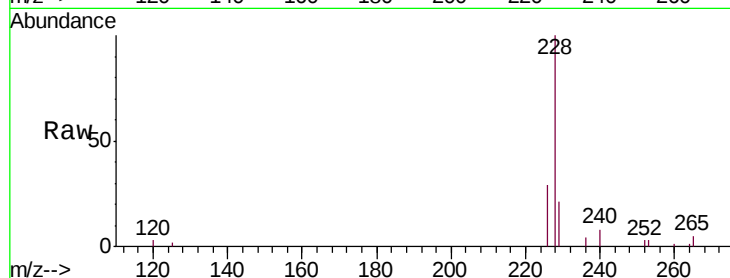
Tgt Ion:228 Resp: 9357

Ion Ratio Lower Upper

228 100

229 20.9 16.1 24.1

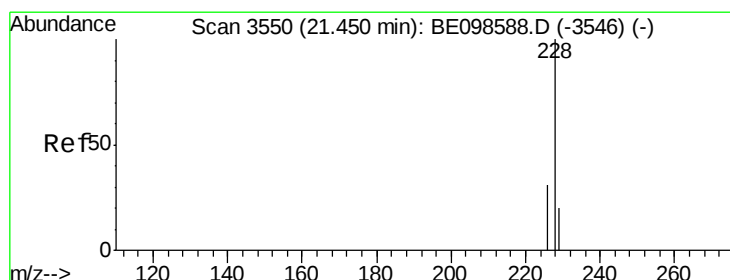
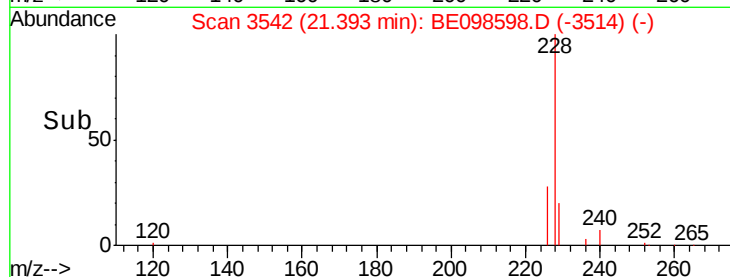
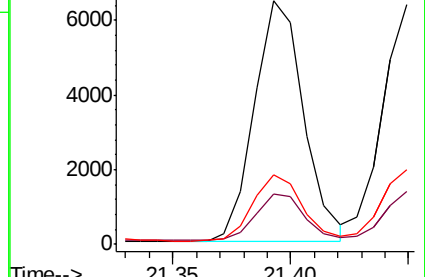
226 28.7 22.2 33.4



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: 0.361 ng/ul

RT: 21.45 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

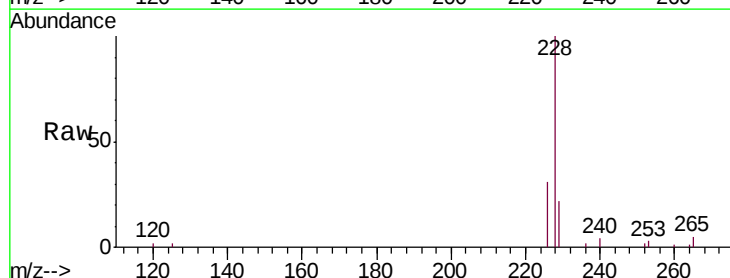
Tgt Ion:228 Resp: 10001

Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

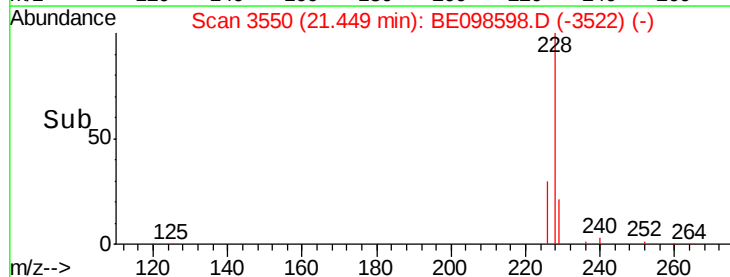
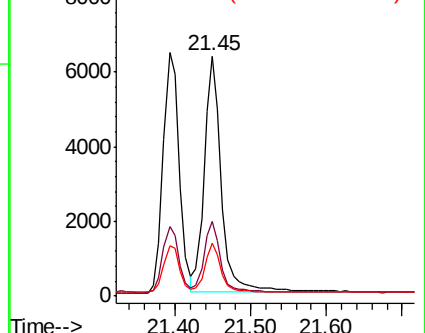
229 21.8 16.4 24.6

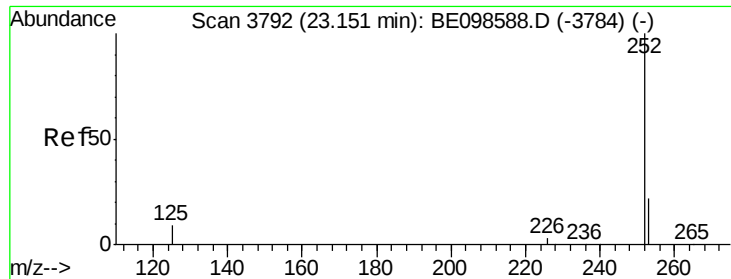


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.394 ng/ul

RT: 23.16 min Scan# 3793

Delta R.T. 0.01 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

Instrument :

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SSTD0.411

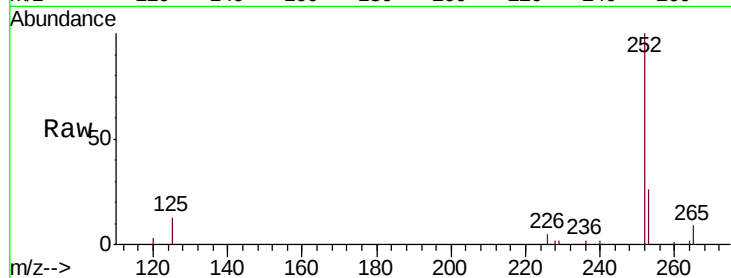
Tgt Ion:252 Resp: 9249

Ion Ratio Lower Upper

252 100

253 26.3 0.0 47.8

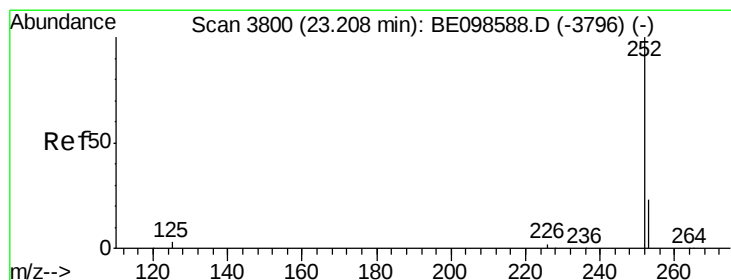
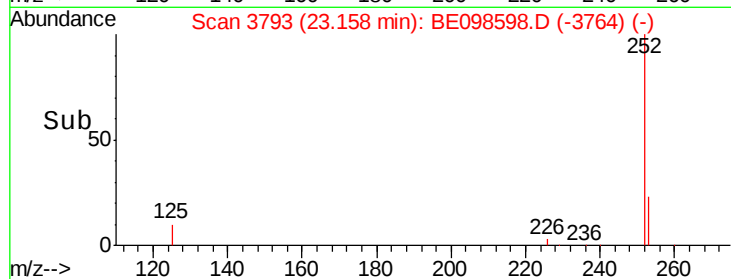
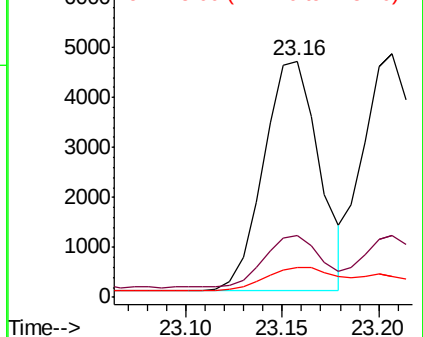
125 12.8 0.0 16.8



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: 0.374 ng/ul

RT: 23.21 min Scan# 3800

Delta R.T. -0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

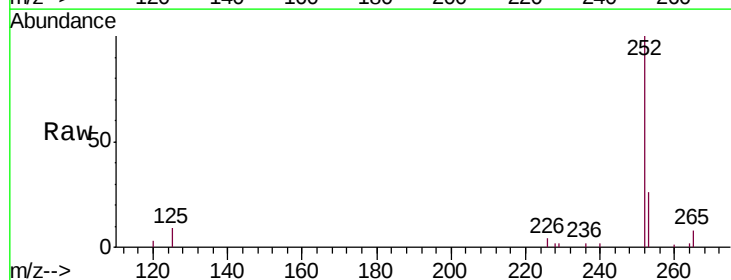
Tgt Ion:252 Resp: 9647

Ion Ratio Lower Upper

252 100

253 25.7 19.3 28.9

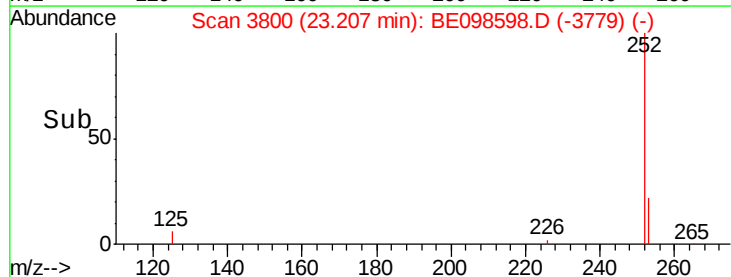
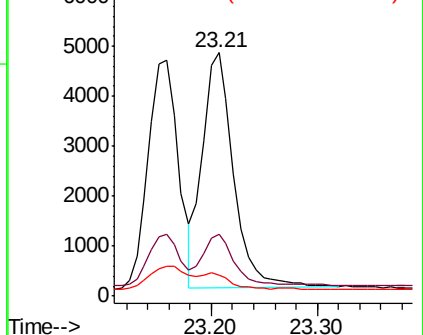
125 8.6 6.2 9.2

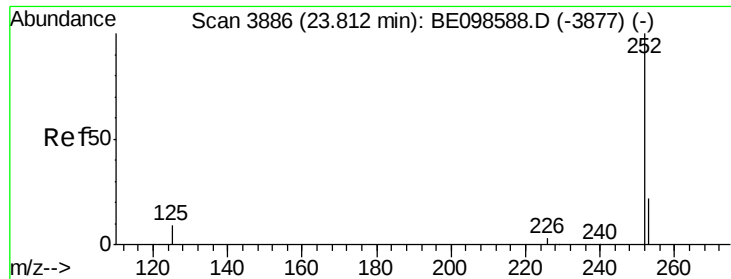


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 23.81 min Scan# 3886

Delta R.T. -0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.411

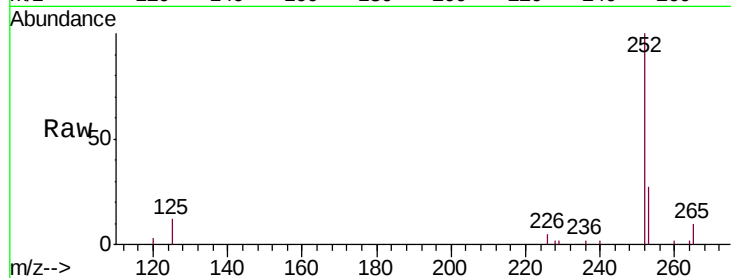
Tgt Ion:252 Resp: 9198

Ion Ratio Lower Upper

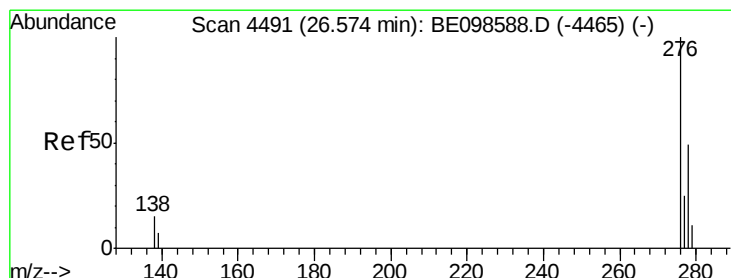
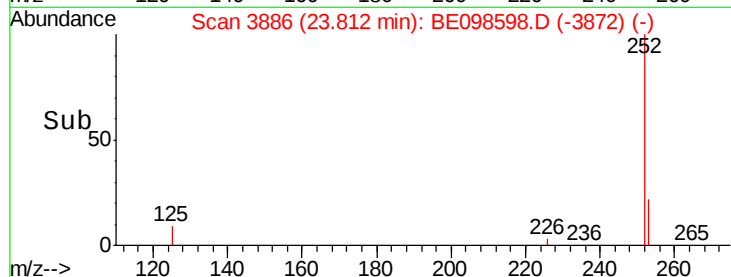
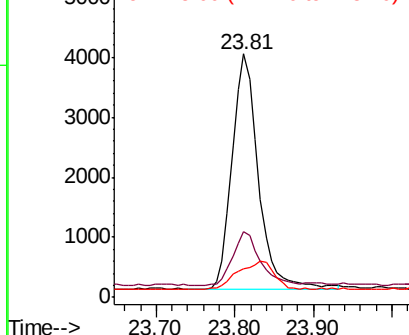
252 100

253 26.8 19.4 29.2

125 11.8 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: 0.400 ng/ul

RT: 26.58 min Scan# 4492

Delta R.T. 0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

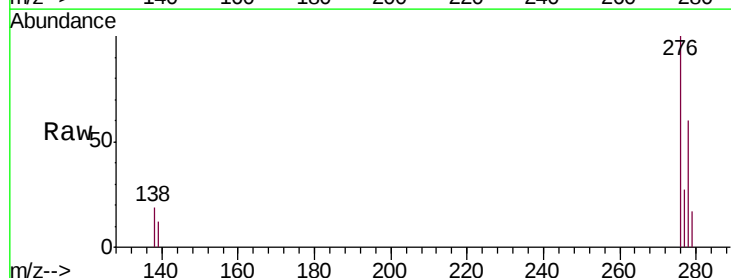
Tgt Ion:276 Resp: 10532

Ion Ratio Lower Upper

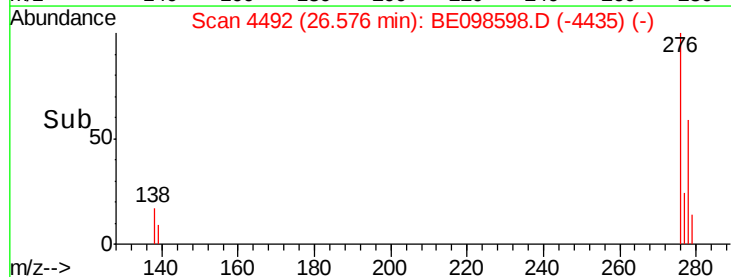
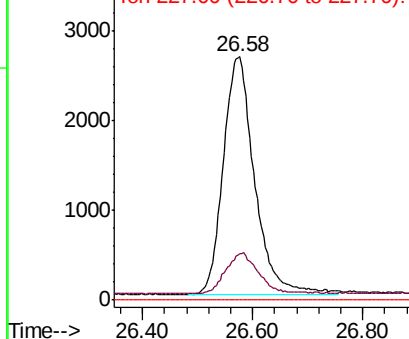
276 100

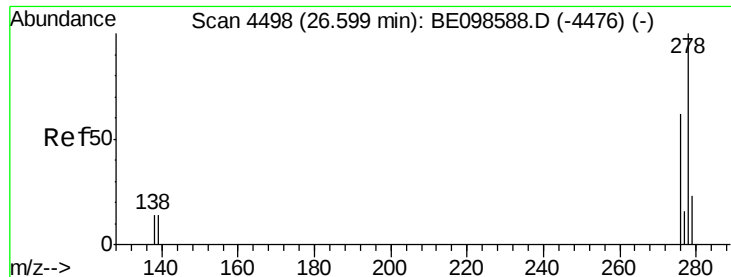
138 17.7 11.8 17.8

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: 0.400 ng/ul

RT: 26.59 min Scan# 4496

Delta R.T. -0.01 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.411

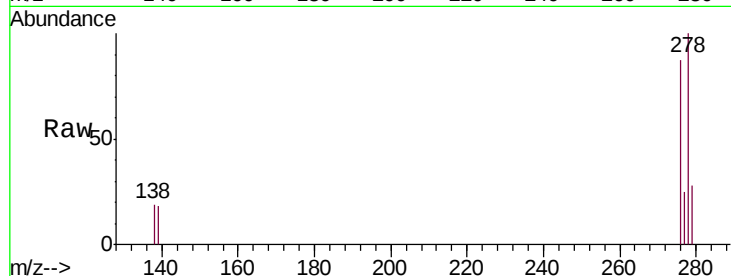
Tgt Ion: 278 Resp: 8568

Ion Ratio Lower Upper

278 100

139 18.3 10.0 15.0#

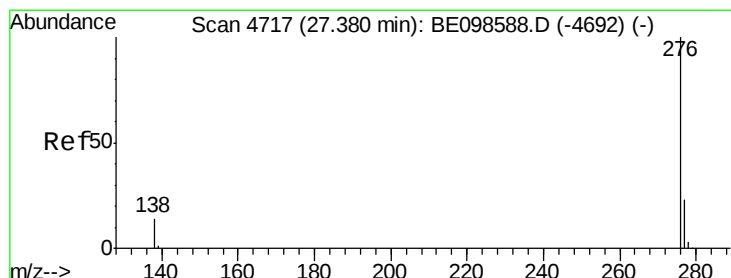
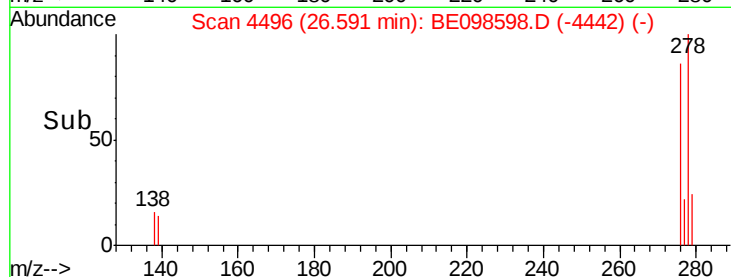
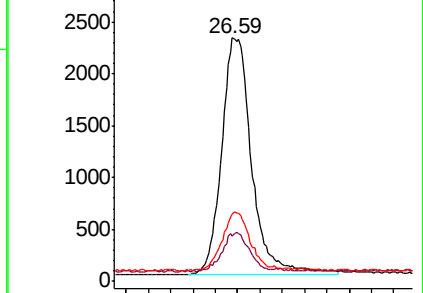
279 27.6 20.3 30.5



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: 0.387 ng/ul

RT: 27.38 min Scan# 4718

Delta R.T. 0.00 min

Lab File: BE098598.D

Acq: 29 Dec 2018 5:43

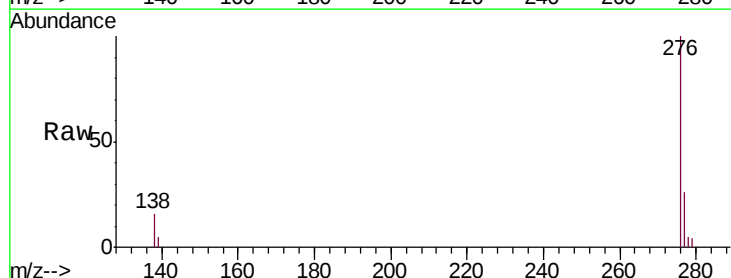
Tgt Ion: 276 Resp: 8848

Ion Ratio Lower Upper

276 100

138 16.3 11.6 17.4

277 26.3 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

