

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101218\
 Data File : BE097881.D
 Acq On : 12 Oct 2018 11:04
 Operator : SJ/JU
 Sample : J5183-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 12 14:27:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 12 04:56:57 2018
 Response via : Initial Calibration

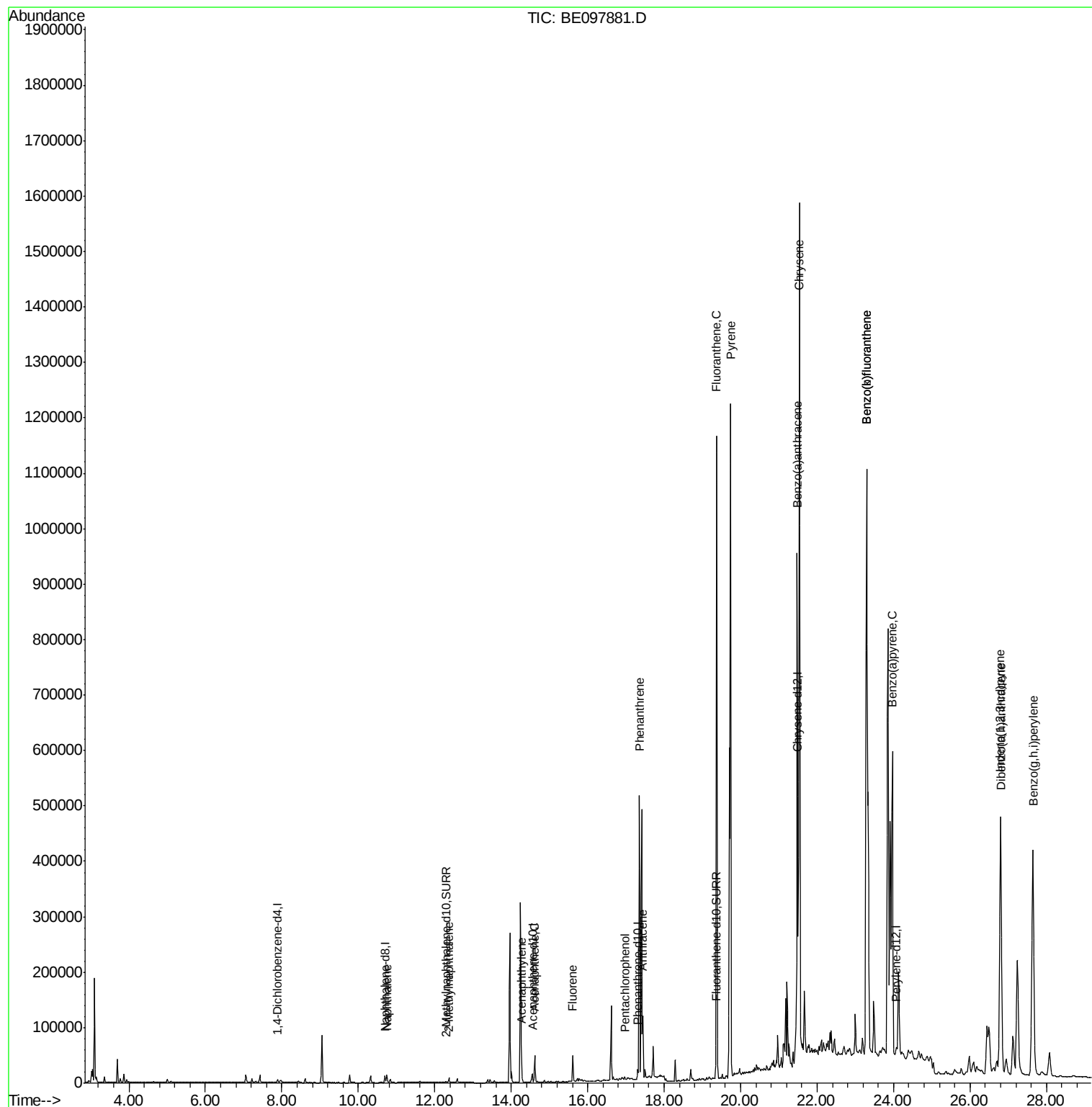
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	2361	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11980	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	8478	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	19078	0.40	ng/ul	0.00
16) Chrysene-d12	21.50	240	18826	0.40	ng/ul	0.00
20) Perylene-d12	24.07	264	20910	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3154	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.35	212	9137	0.15	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	21220	0.728	ng/ul	99
5) 2-Methylnaphthalene	12.37	142	8082	0.383	ng/ul	98
7) Acenaphthylene	14.27	152	15320	0.478	ng/ul	95
8) Acenaphthene	14.61	153	28253	1.135	ng/ul	98
9) Fluorene	15.61	166	29180	0.898	ng/ul	99
11) Pentachlorophenol	16.97	266	2759	1.026	ng/ul	97
12) Phenanthrene	17.35	178	543475	12.033	ng/ul	98
13) Anthracene	17.45	178	116919	2.794	ng/ul	100
15) Fluoranthene	19.37	202	1318562	22.732	ng/ul	96
17) Pyrene	19.74	202	1355813	24.175	ng/ul	97
18) Benzo(a)anthracene	21.48	228	1193102	20.960	ng/ul	97
19) Chrysene	21.54	228	1661750	32.492	ng/ul	95
21) Benzo(b)fluoranthene	23.29	252	2548436	45.602	ng/ul	99
22) Benzo(k)fluoranthene	23.29	252	2548436	42.602	ng/ul	97
23) Benzo(a)pyrene	23.97	252	876191	15.969	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.80	276	856036	13.744	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.82	278	232109	4.509	ng/ul#	91
26) Benzo(g,h,i)perylene	27.65	276	1016612	18.732	ng/ul	99

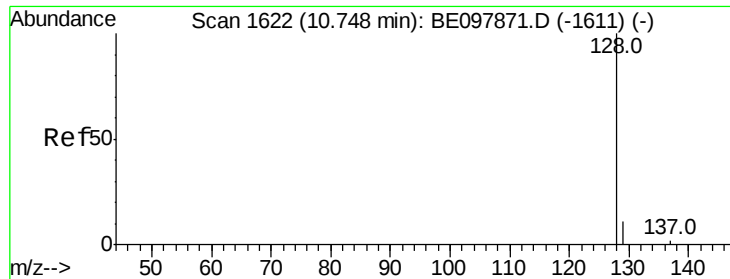
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.728 ng/ul

RT: 10.75 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

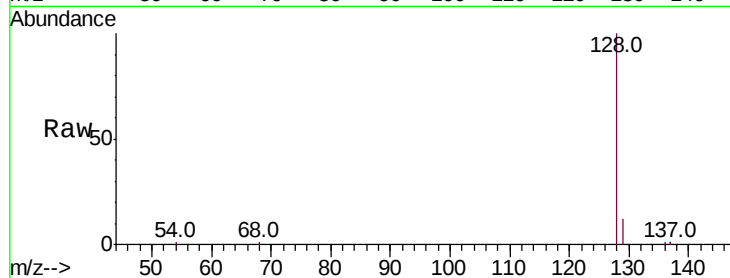
Tot Ion:128 Resp: 21220

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

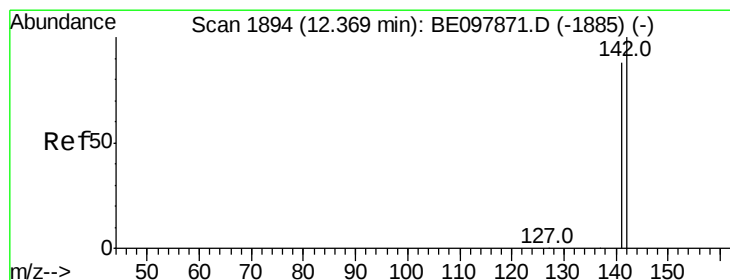
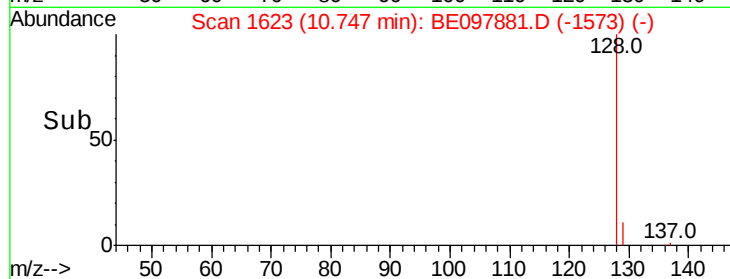
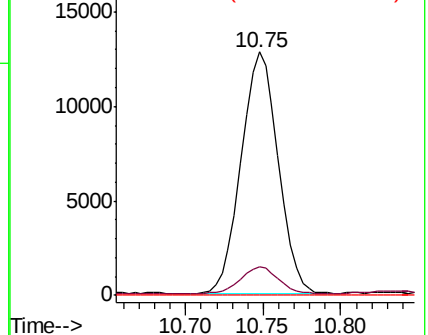
127 0.0 0.0 0.0



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: 0.383 ng/ul

RT: 12.37 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE097881.D

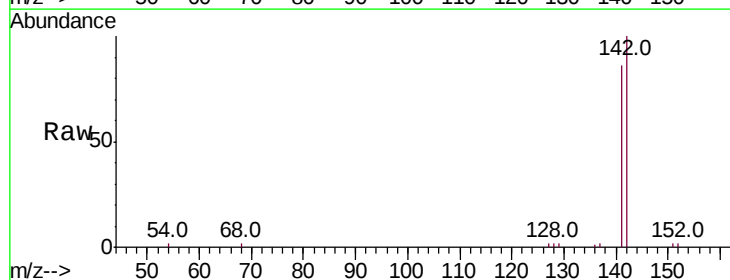
Acq: 12 Oct 2018 11:04

Tgt Ion:142 Resp: 8082

Ion Ratio Lower Upper

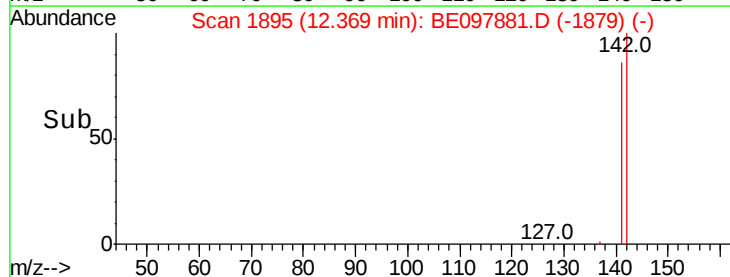
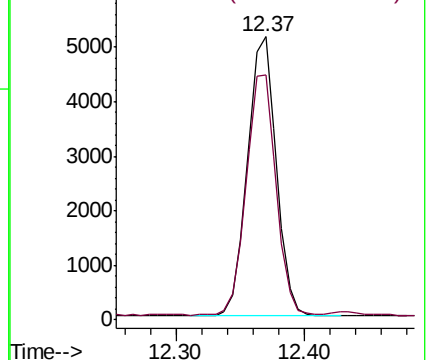
142 100

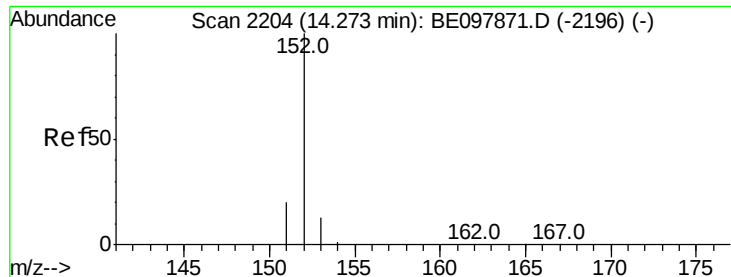
141 88.1 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.478 ng/ul

RT: 14.27 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

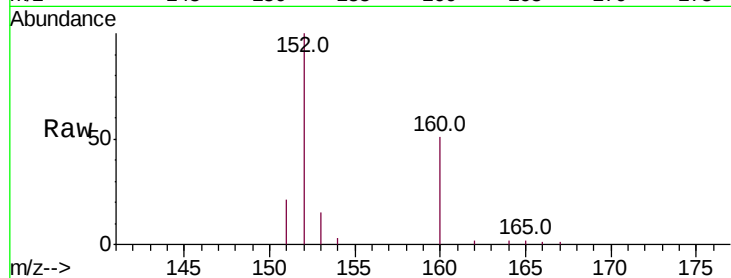
Tot Ion:152 Resp: 15320

Ion Ratio Lower Upper

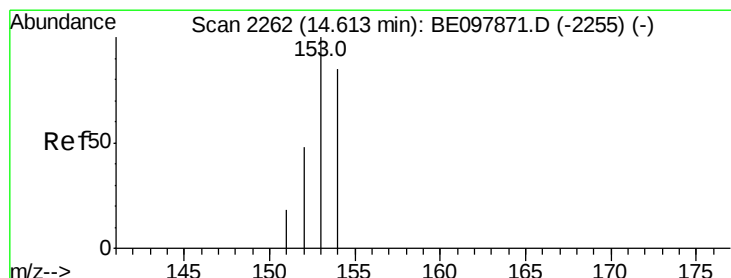
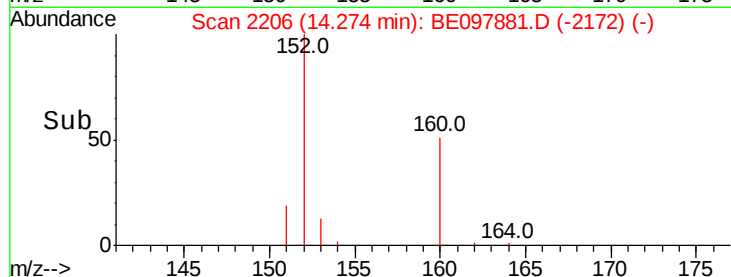
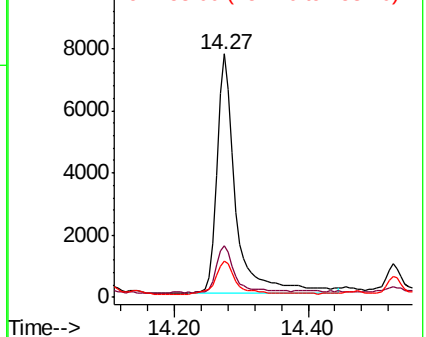
152 100

151 21.3 15.0 22.6

153 14.8 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: 1.135 ng/ul

RT: 14.61 min Scan# 2264

Delta R.T. 0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

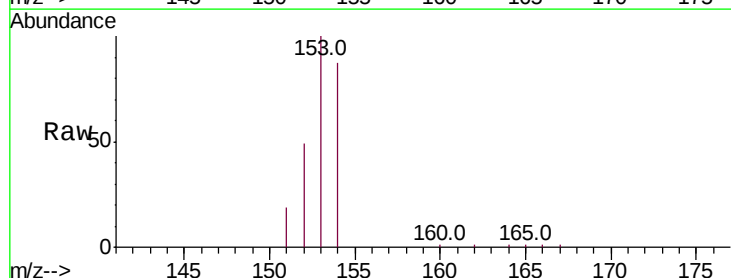
Tgt Ion:153 Resp: 28253

Ion Ratio Lower Upper

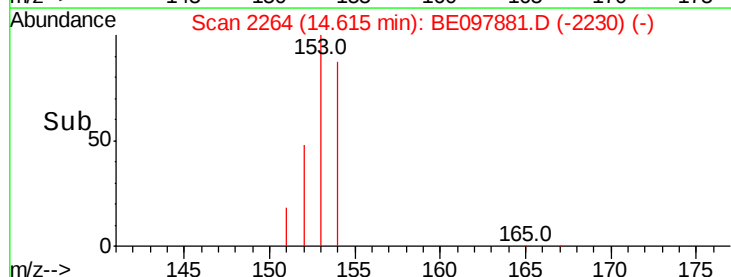
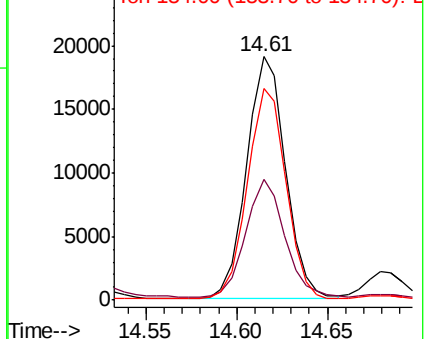
153 100

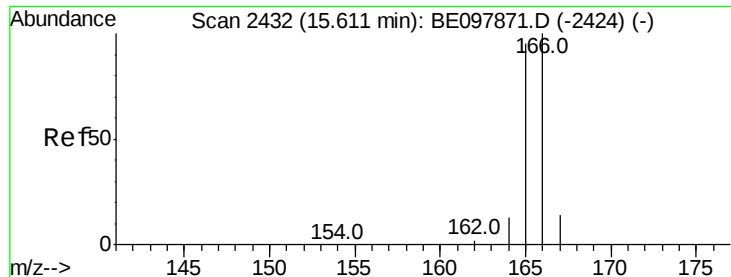
152 49.5 41.2 61.8

154 86.8 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: 0.898 ng/ul

RT: 15.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

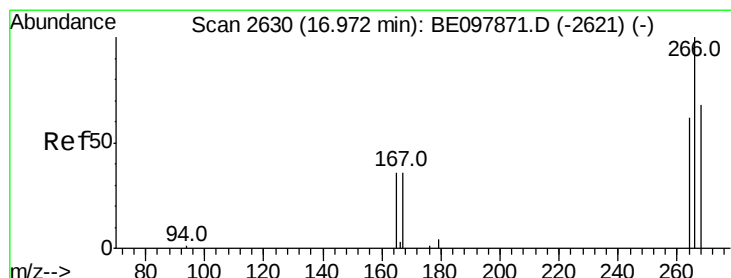
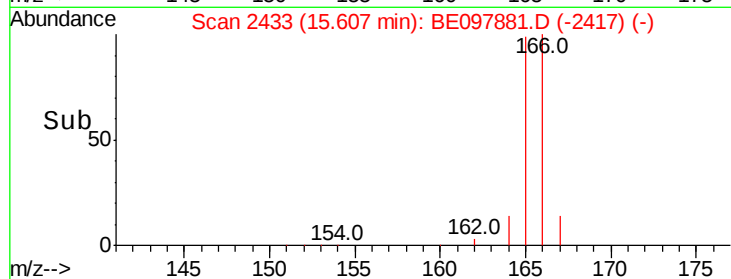
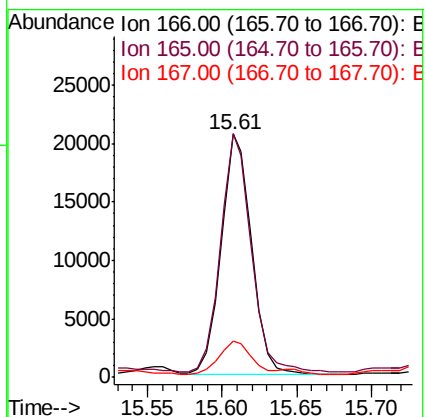
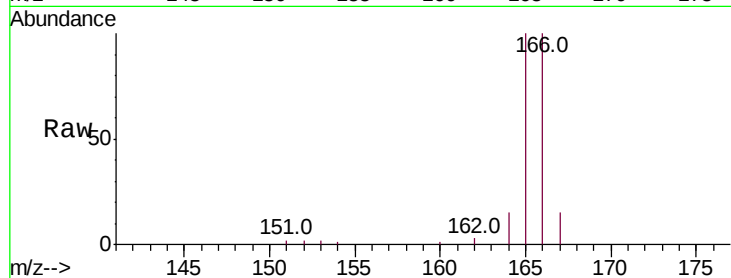
Tot Ion:166 Resp: 29180

Ion Ratio Lower Upper

166 100

165 99.9 79.2 118.8

167 14.9 11.3 16.9



#11

Pentachlorophenol

Concen: 1.026 ng/ul

RT: 16.97 min Scan# 2631

Delta R.T. -0.01 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

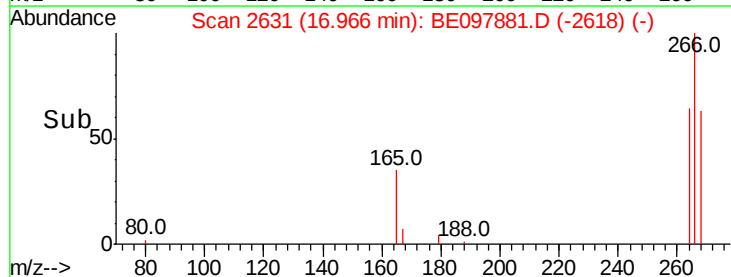
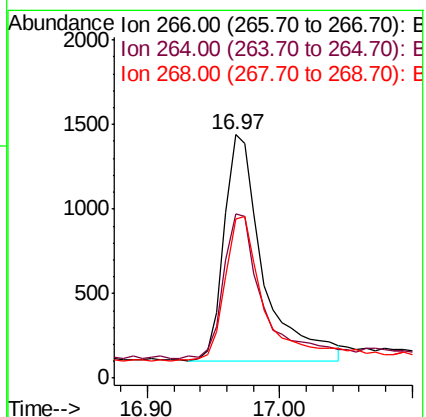
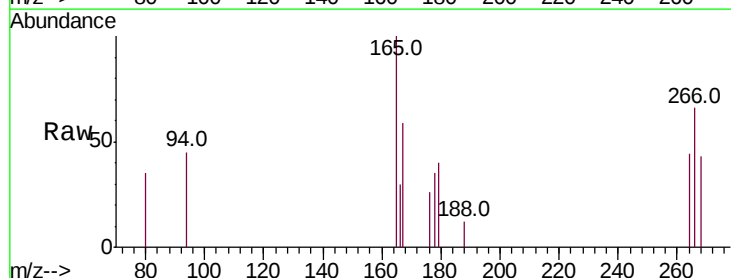
Tgt Ion:266 Resp: 2759

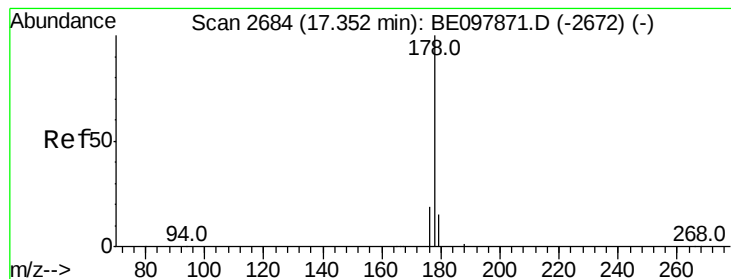
Ion Ratio Lower Upper

266 100

264 63.3 49.8 74.8

268 63.6 48.4 72.6





#12

Phenanthrene

Concen: 12.033 ng/ul

RT: 17.35 min Scan# 2686

Delta R.T. 0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

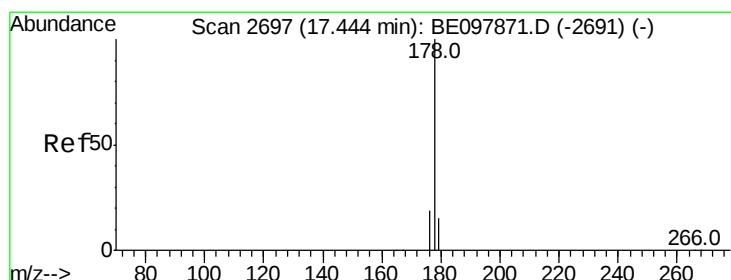
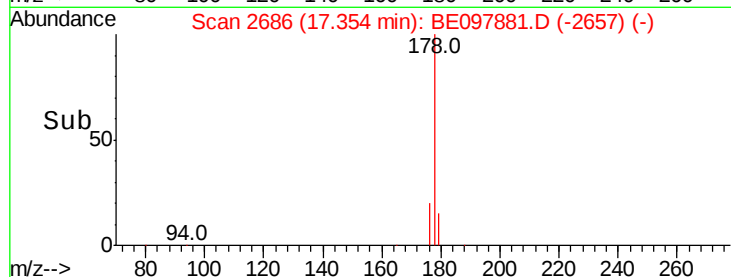
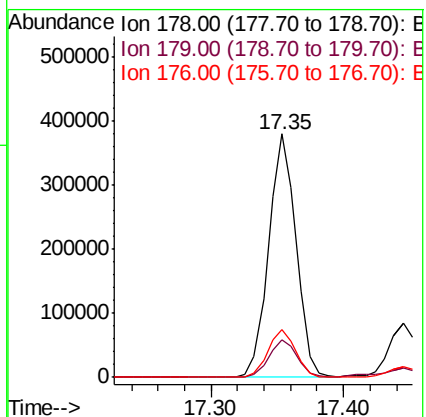
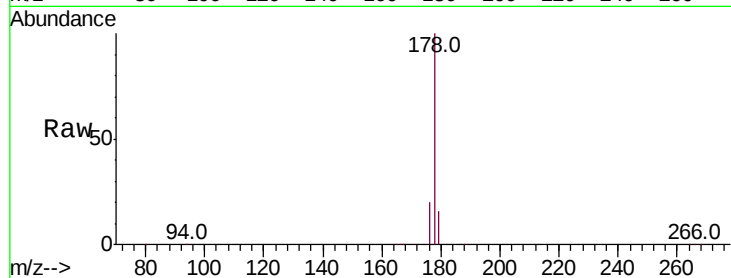
Tot Ion:178 Resp: 543475

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 19.7 14.9 22.3



#13

Anthracene

Concen: 2.794 ng/ul

RT: 17.45 min Scan# 2699

Delta R.T. 0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

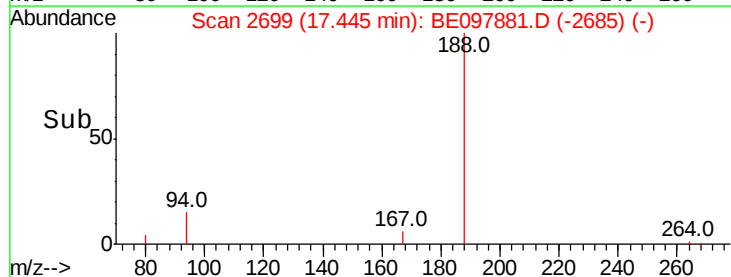
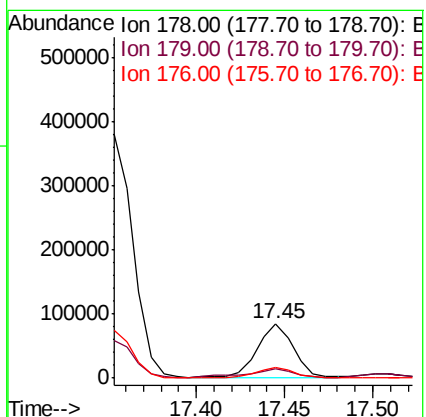
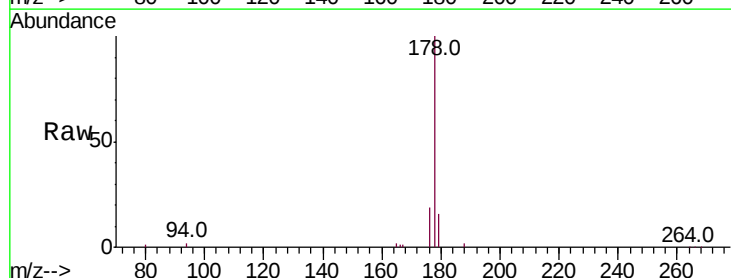
Tgt Ion:178 Resp: 116919

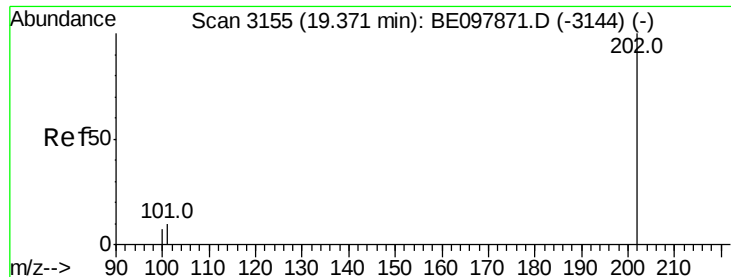
Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

176 19.3 15.5 23.3





#15

Fluoranthene

Concen: 22.732 ng/ul

RT: 19.37 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

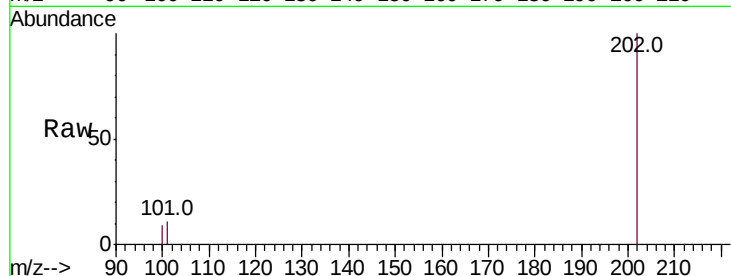
Tot Ion:202 Resp: 1318562

Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.3

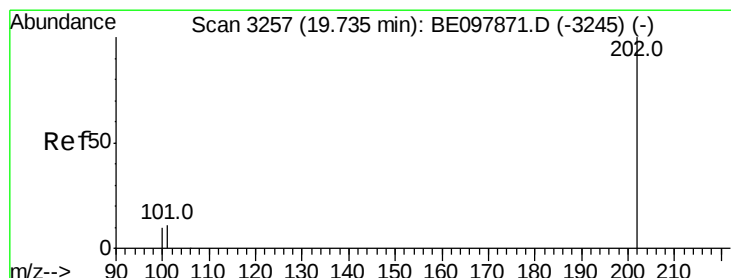
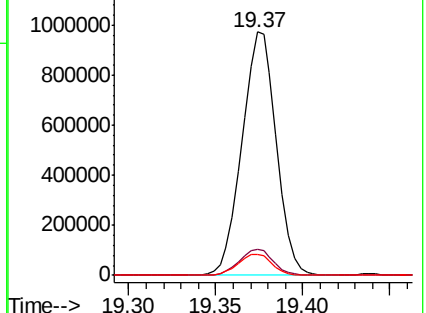
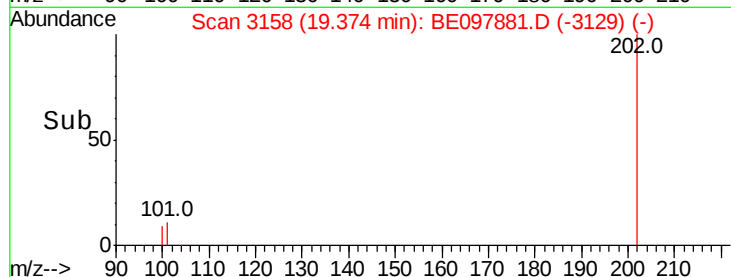
100 8.8 0.0 27.5



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: 24.175 ng/ul

RT: 19.74 min Scan# 3260

Delta R.T. 0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

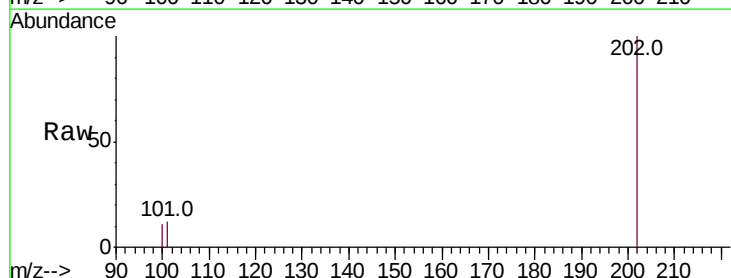
Tgt Ion:202 Resp: 1355813

Ion Ratio Lower Upper

202 100

101 12.2 8.8 13.2

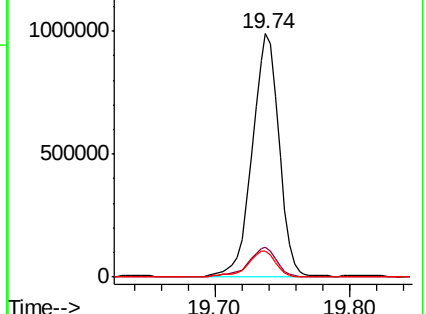
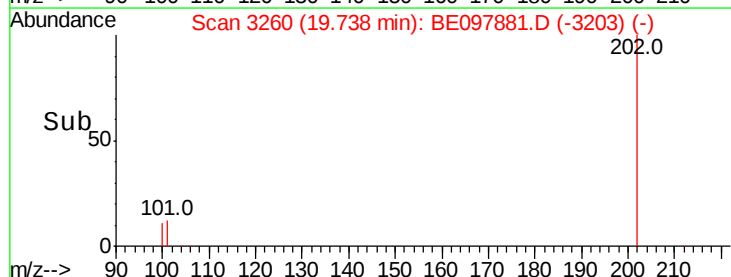
100 10.7 7.9 11.9

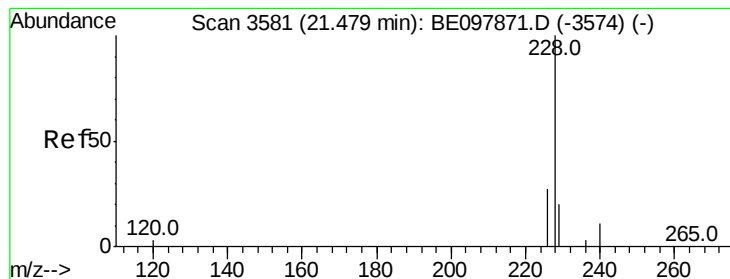


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 20.960 ng/ul

RT: 21.48 min Scan# 3583

Delta R.T. 0.00 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

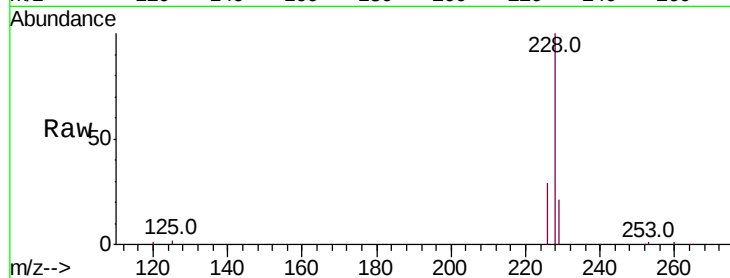
Tot Ion:228 Resp: 1193102

Ion Ratio Lower Upper

228 100

229 21.4 16.4 24.6

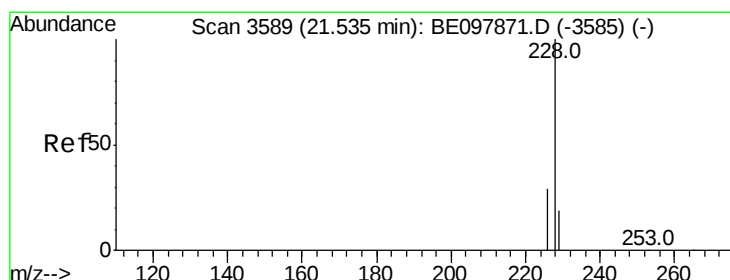
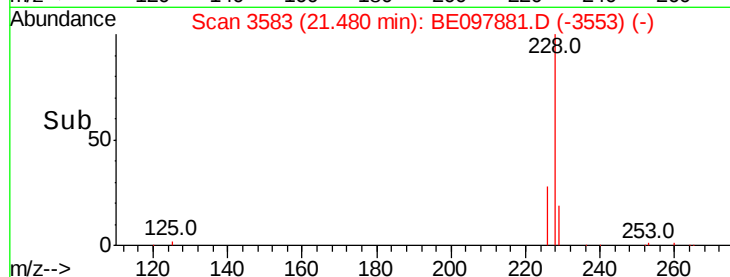
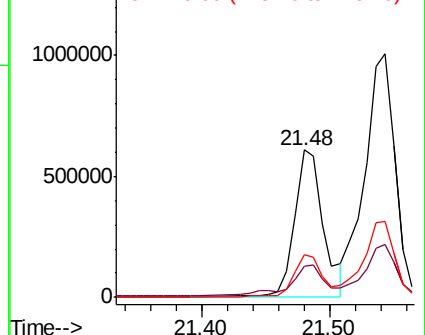
226 29.1 21.5 32.3



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: 32.492 ng/ul

RT: 21.54 min Scan# 3592

Delta R.T. 0.01 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

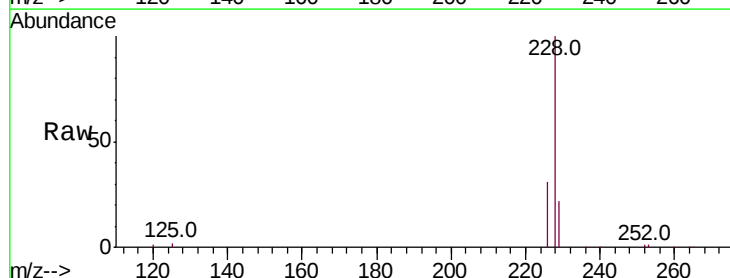
Tgt Ion:228 Resp: 1661750

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

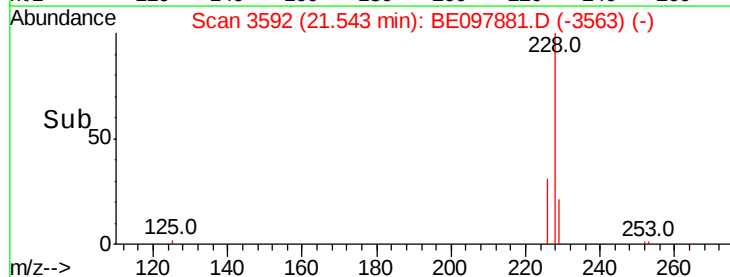
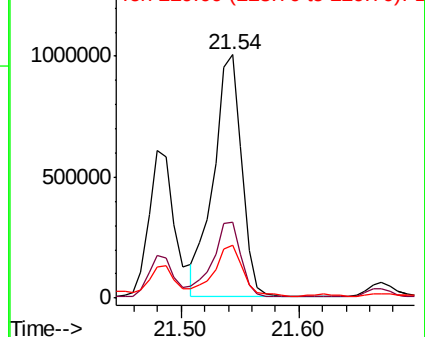
229 21.9 15.5 23.3

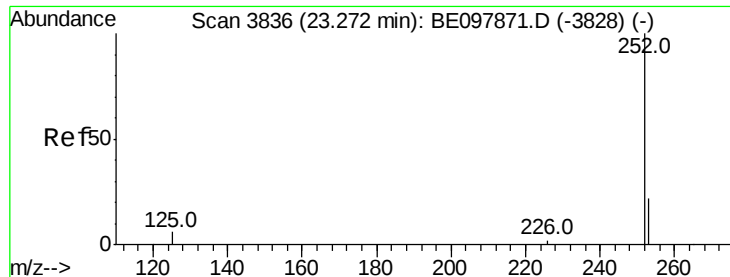


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

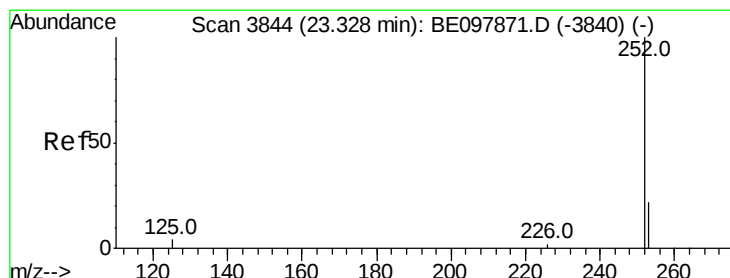
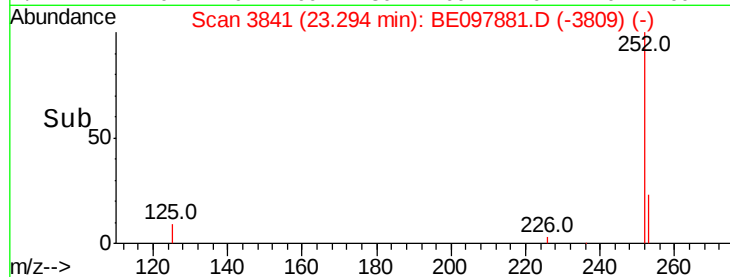
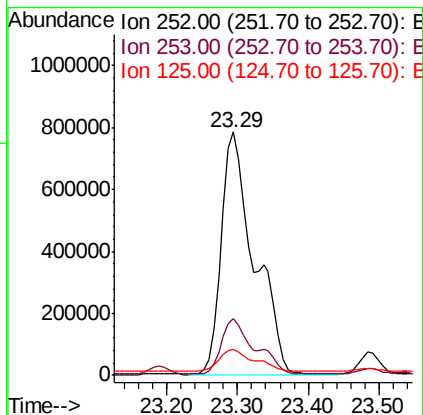
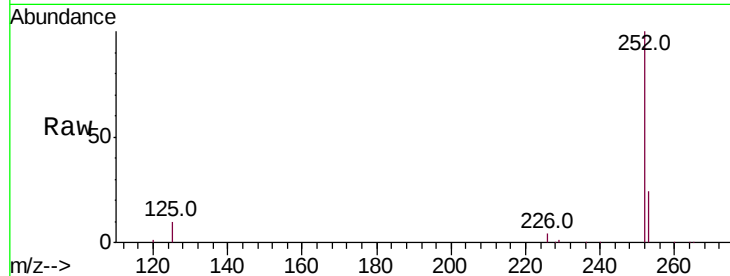




#21
Benzo(b)fluoranthene
Concen: 45.602 ng/ul
RT: 23.29 min Scan# 3841
Delta R.T. 0.02 min
Lab File: BE097881.D
Acq: 12 Oct 2018 11:04

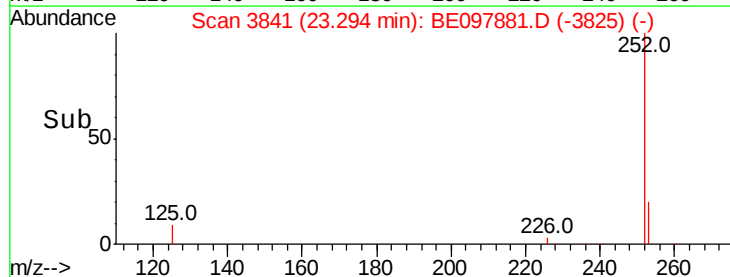
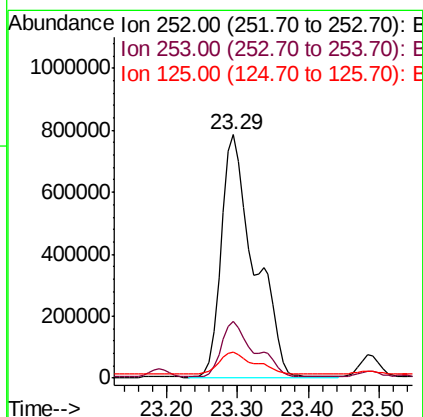
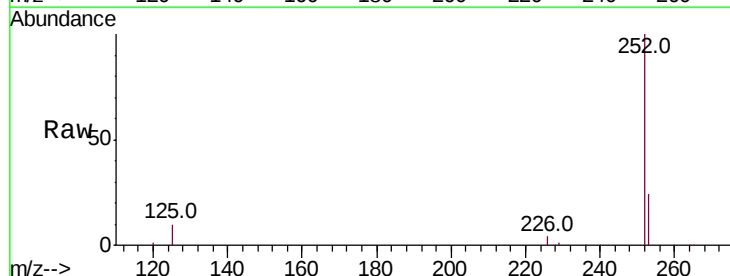
Instrument :
BNA_E
ClientSampleId :

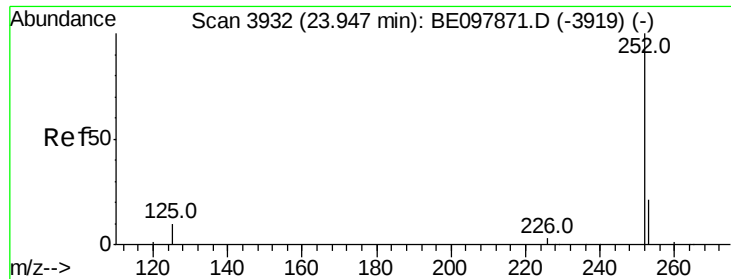
Tot Ion:252 Resp: 2548436
Ion Ratio Lower Upper
252 100
253 23.5 0.0 47.0
125 10.4 0.0 18.2



#22
Benzo(k)fluoranthene
Concen: 42.602 ng/ul
RT: 23.29 min Scan# 3841
Delta R.T. -0.03 min
Lab File: BE097881.D
Acq: 12 Oct 2018 11:04

Tgt Ion:252 Resp: 2548436
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 10.4 9.4 14.0





#23

Benzo(a)pyrene

Concen: 15.969 ng/ul

RT: 23.97 min Scan# 3937

Delta R.T. 0.02 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

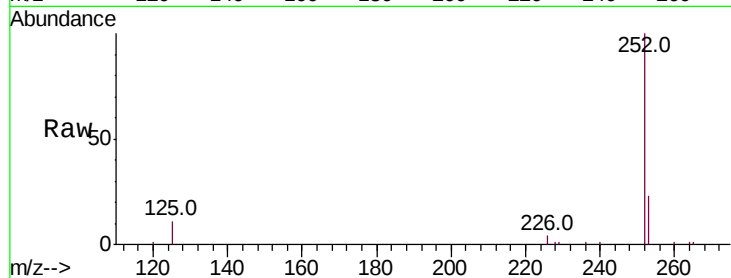
Tot Ion:252 Resp: 876191

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.4

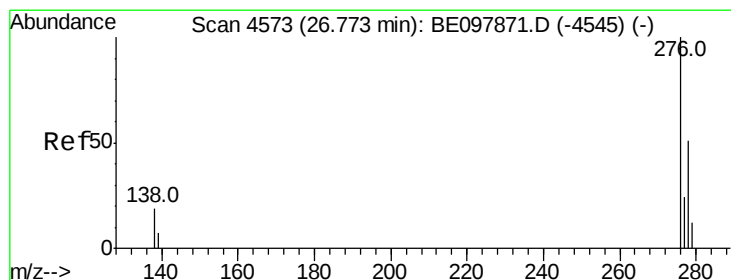
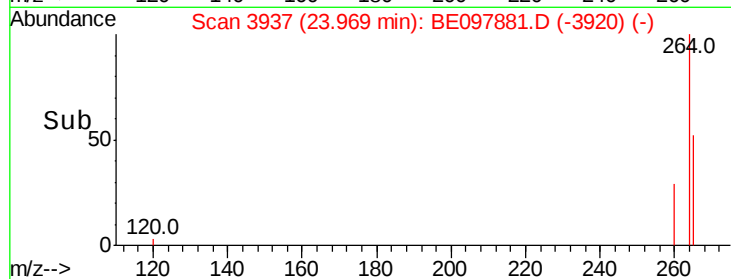
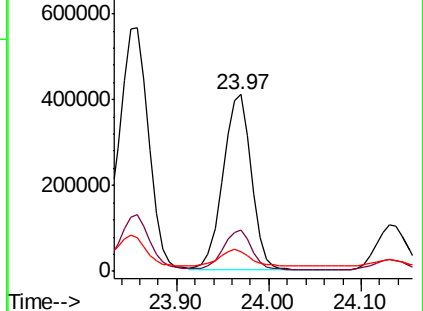
125 11.4 8.3 12.5



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: 13.744 ng/ul

RT: 26.80 min Scan# 4583

Delta R.T. 0.03 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

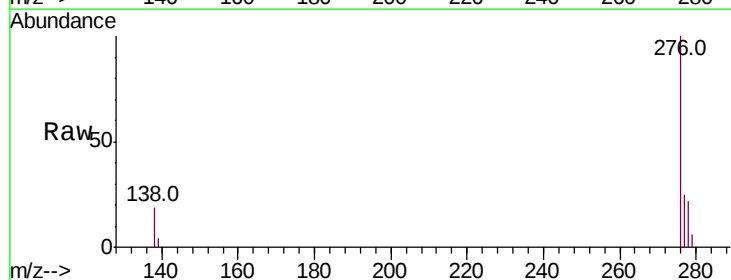
Tgt Ion:276 Resp: 856036

Ion Ratio Lower Upper

276 100

138 18.3 0.0 0.0#

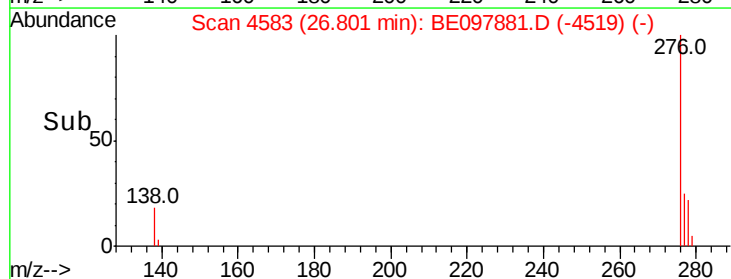
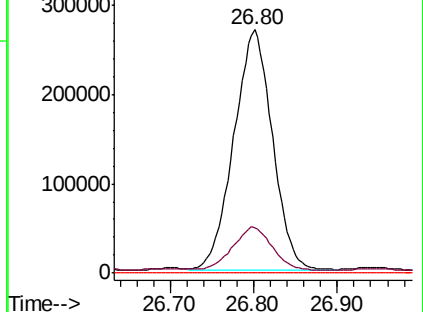
227 0.0 0.0 0.0

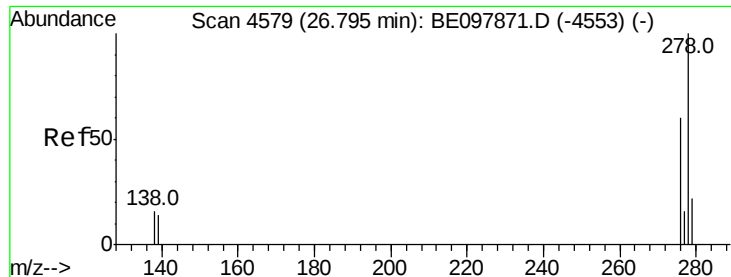


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 4.509 ng/ul

RT: 26.82 min Scan# 4587

Delta R.T. 0.02 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

Instrument :

BNA_E

ClientSampleId :

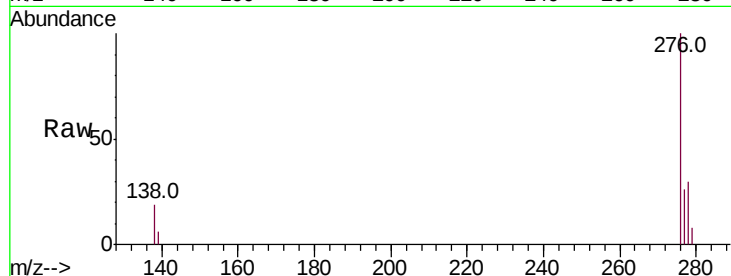
Tot Ion:278 Resp: 232109

Ion Ratio Lower Upper

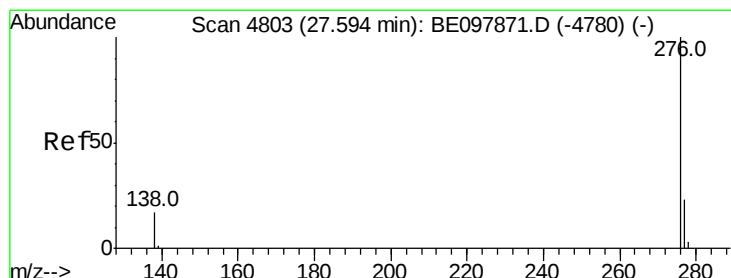
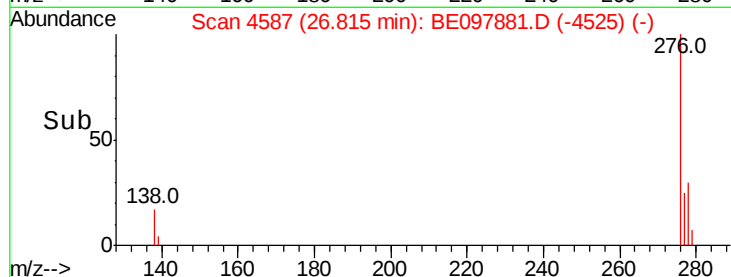
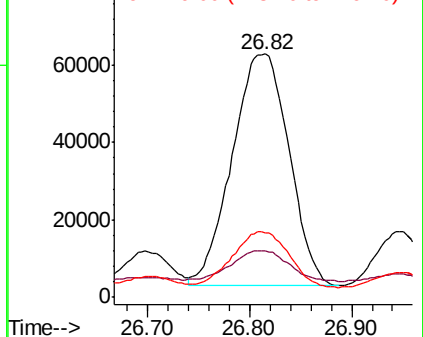
278 100

139 19.1 10.9 16.3#

279 26.7 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: 18.732 ng/ul

RT: 27.65 min Scan# 4820

Delta R.T. 0.05 min

Lab File: BE097881.D

Acq: 12 Oct 2018 11:04

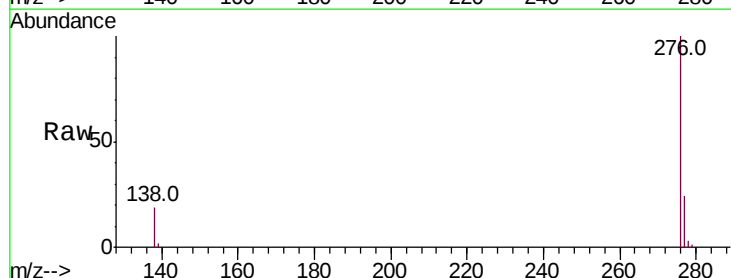
Tgt Ion:276 Resp: 1016612

Ion Ratio Lower Upper

276 100

138 18.9 14.3 21.5

277 24.4 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

