

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082516\
 Data File : BE092282.D
 Acq On : 25 Aug 2016 21:05
 Operator : UM/SJ
 Sample : SSTD3.272
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.272

Quant Time: Aug 26 04:21:10 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 04:20:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	6028	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	28219	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.32	164	15579	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	37558	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	46281	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	38974	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	121698	3.42	ng/ul	-0.02
14) Fluoranthene-d10	19.09	212	315898	3.67	ng/ul	0.00

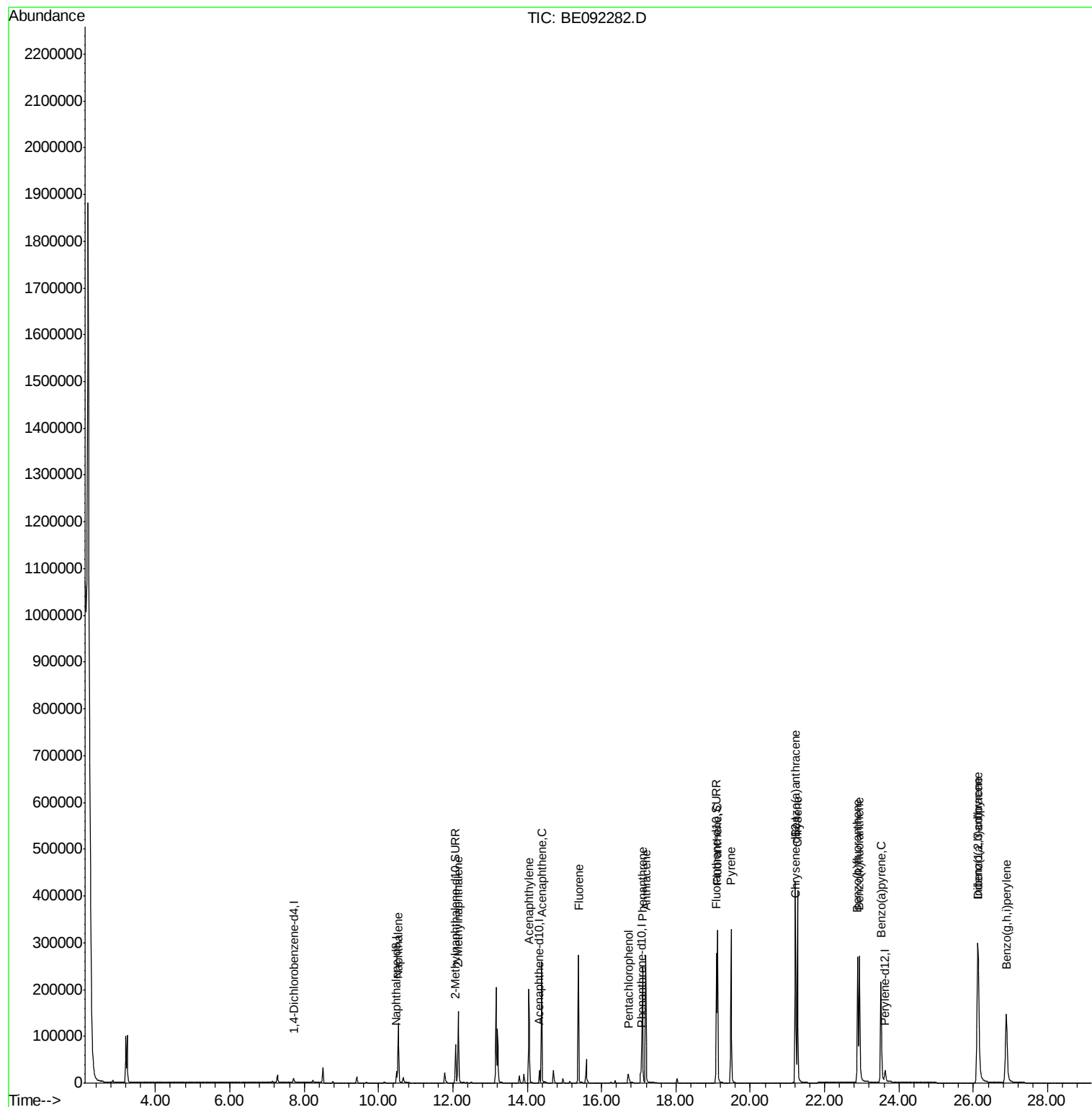
Target Compounds						Qvalue
3) Naphthalene	10.53	128	201347	2.89	ng/ul	97
5) 2-Methylnaphthalene	12.15	142	143228	3.06	ng/ul	99
7) Acenaphthylene	14.05	152	231145	2.85	ng/ul	98
8) Acenaphthene	14.38	153	155155	2.94	ng/ul	98
9) Fluorene	15.38	166	183783	3.05	ng/ul	98
11) Pentachlorophenol	16.72	266	17218	2.04	ng/ul	97
12) Phenanthrene	17.10	178	304868	2.95	ng/ul	96
13) Anthracene	17.19	178	313471	3.21	ng/ul	96
15) Fluoranthene	19.12	202	374163	3.10	ng/ul	98
17) Pyrene	19.48	202	383946	2.66	ng/ul	100
18) Benzo(a)anthracene	21.21	228	373103	2.74	ng/ul	98
19) Chrysene	21.27	228	386370	2.85	ng/ul	100
21) Benzo(b)fluoranthene	22.89	252	370060	2.74	ng/ul	96
22) Benzo(k)fluoranthene	22.94	252	402907	3.40	ng/ul	97
23) Benzo(a)pyrene	23.51	252	371030	3.10	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	26.11	276	426827	2.92	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.13	278	349257	3.02	ng/ul	98
26) Benzo(g,h,i)perylene	26.89	276	365082	2.92	ng/ul	99

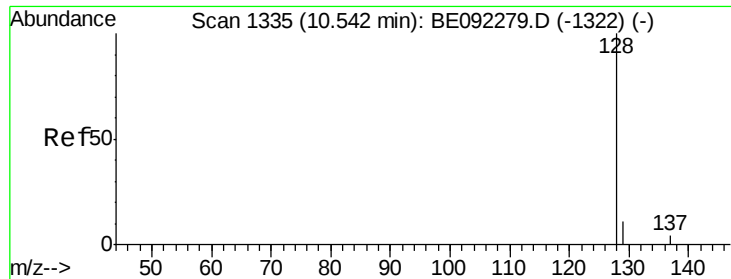
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.89 ng/ul

RT: 10.53 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

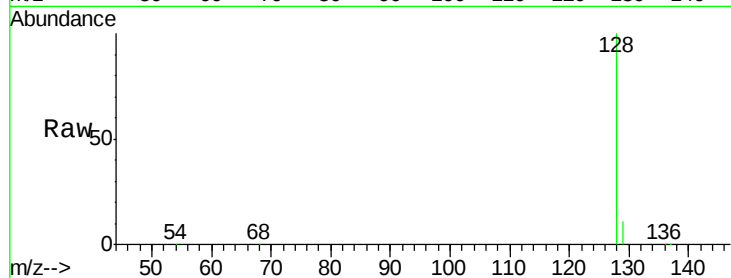
Tgt Ion:128 Resp: 201347

Ion Ratio Lower Upper

128 100

129 11.1 9.7 14.5

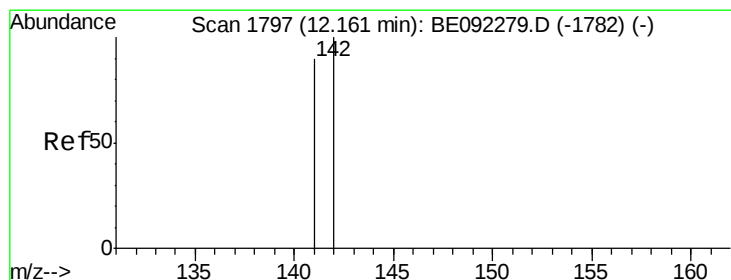
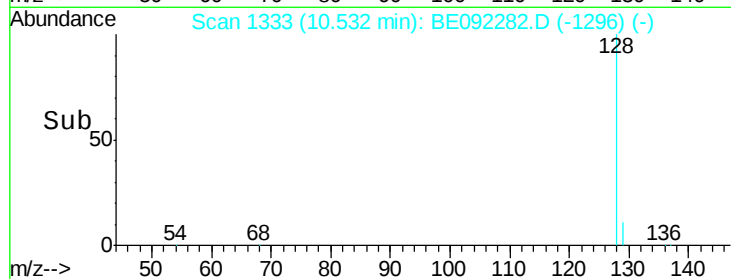
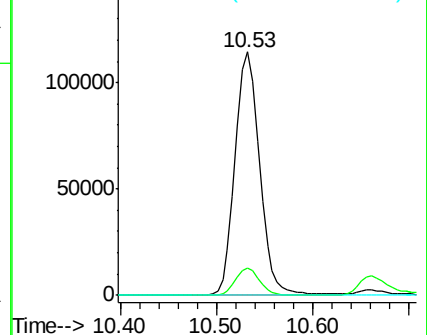
127 0.0 0.0 0.0



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: 3.06 ng/ul

RT: 12.15 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BE092282.D

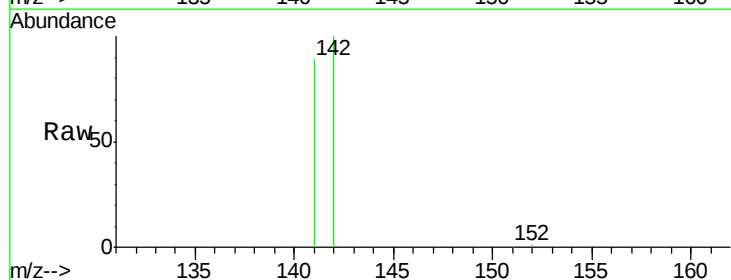
Acq: 25 Aug 2016 21:05

Tgt Ion:142 Resp: 143228

Ion Ratio Lower Upper

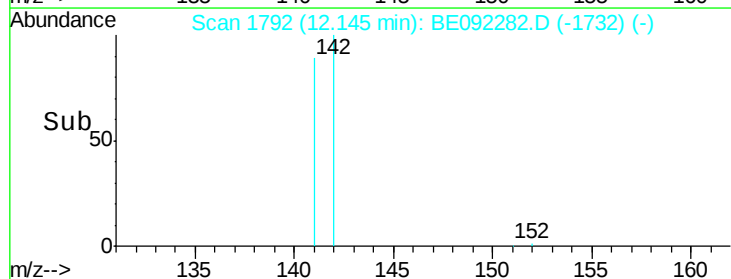
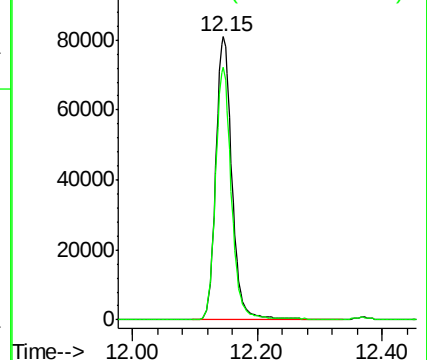
142 100

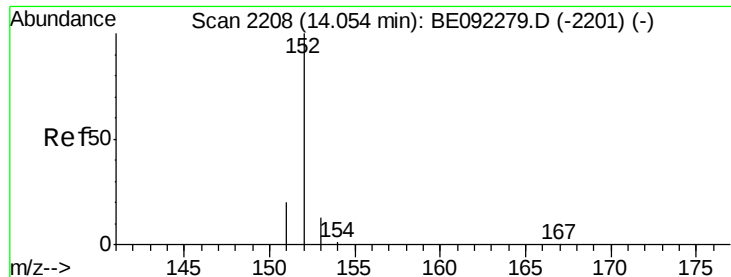
141 89.2 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.85 ng/ul

RT: 14.05 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

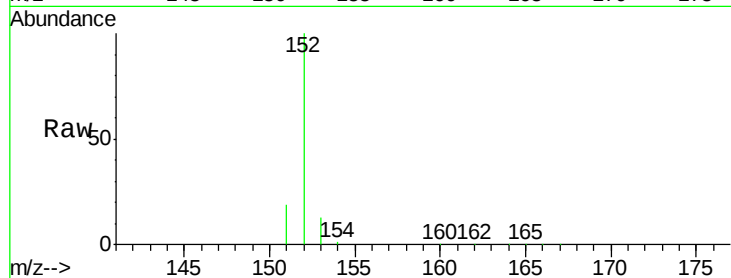
Tgt Ion:152 Resp: 231145

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.2

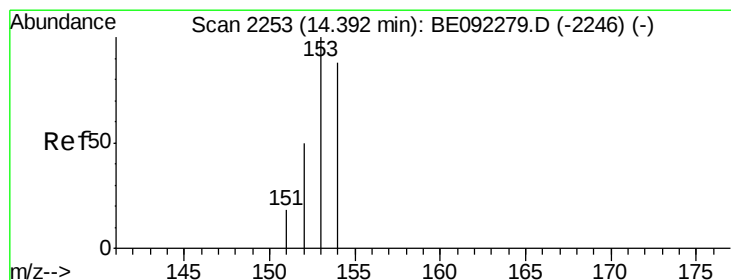
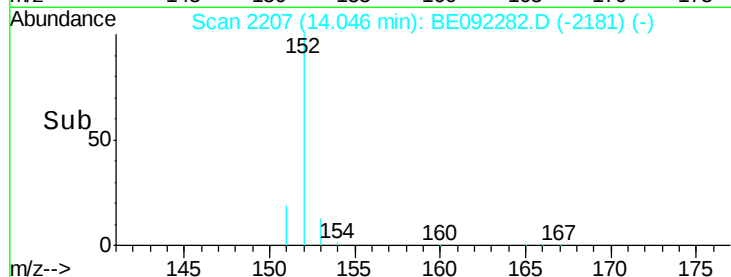
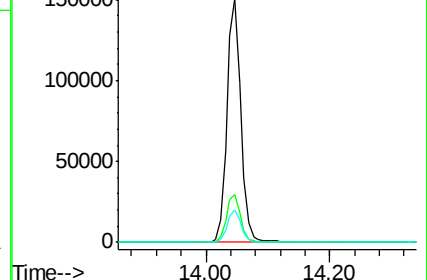
153 13.3 11.2 16.8



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: 2.94 ng/ul

RT: 14.38 min Scan# 2252

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

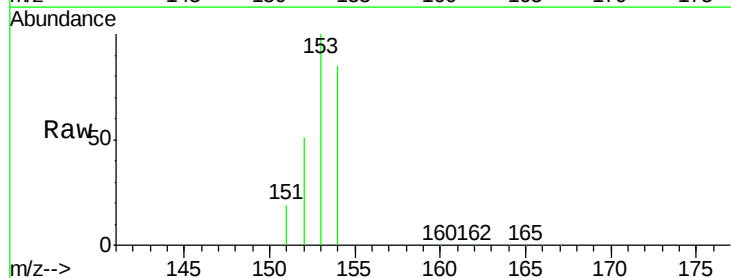
Tgt Ion:153 Resp: 155155

Ion Ratio Lower Upper

153 100

152 51.1 40.9 61.3

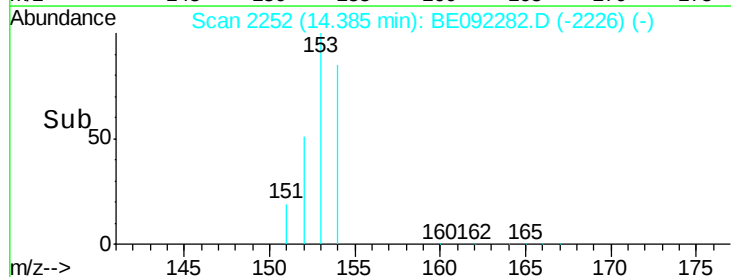
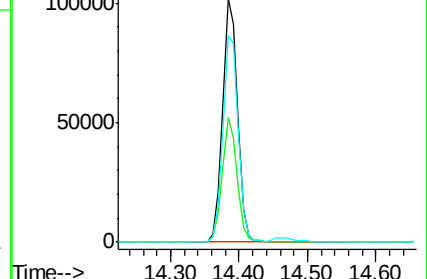
154 84.8 70.6 106.0

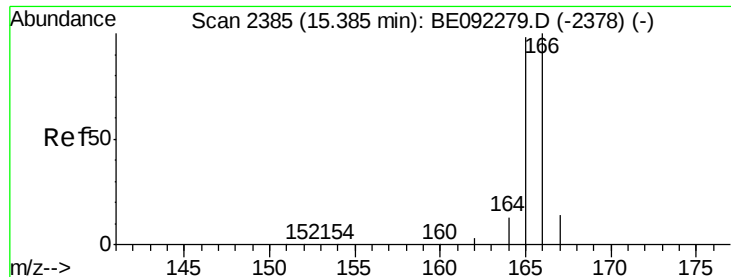


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 3.05 ng/ul

RT: 15.38 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

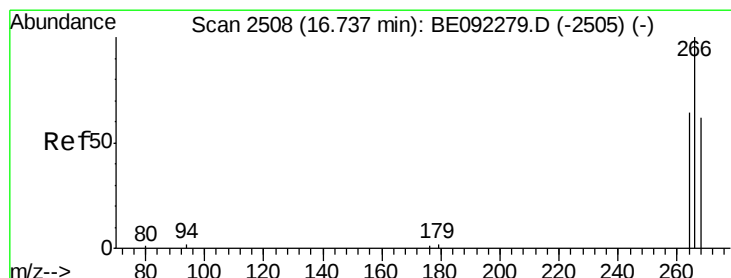
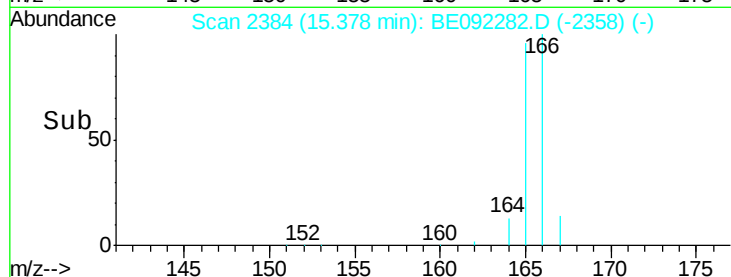
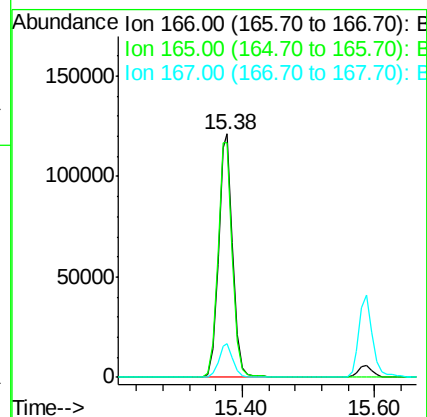
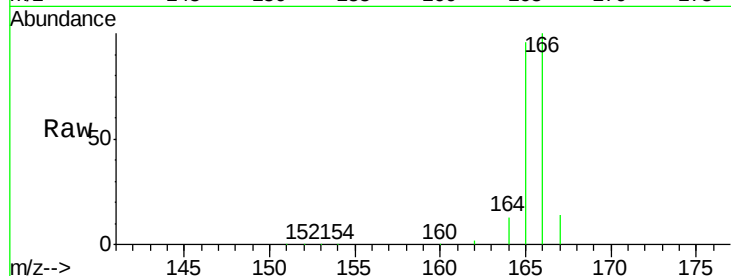
Tgt Ion:166 Resp: 183783

Ion Ratio Lower Upper

166 100

165 96.2 78.7 118.1

167 13.6 11.5 17.3



#11

Pentachlorophenol

Concen: 2.04 ng/ul

RT: 16.72 min Scan# 2507

Delta R.T. -0.02 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

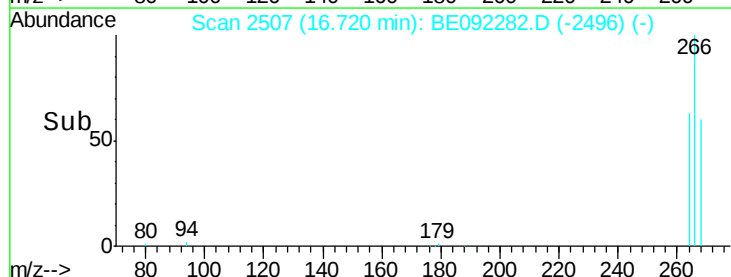
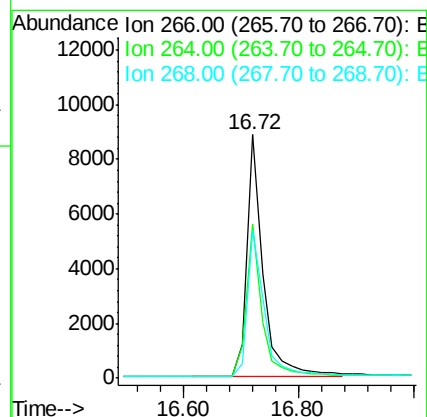
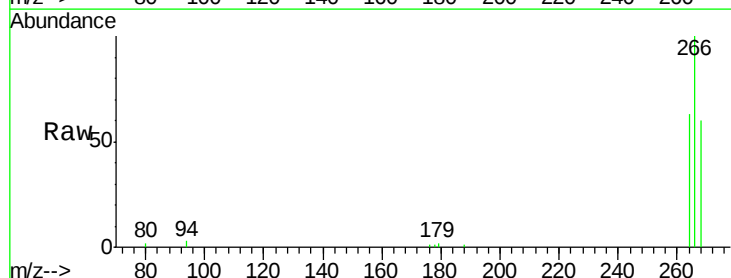
Tgt Ion:266 Resp: 17218

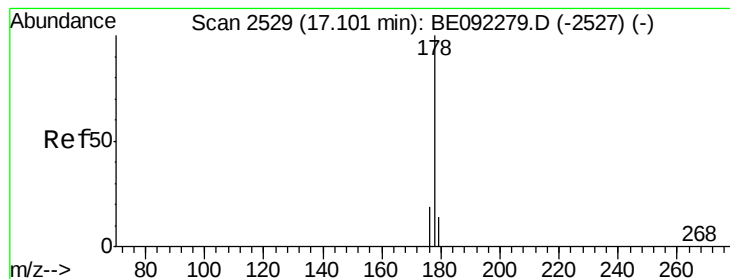
Ion Ratio Lower Upper

266 100

264 62.5 53.0 79.6

268 63.6 52.3 78.5





#12

Phenanthrene

Concen: 2.95 ng/ul

RT: 17.10 min Scan# 2529

Delta R.T. 0.00 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

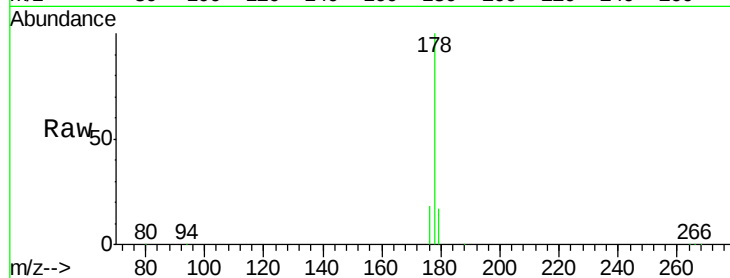
Tgt Ion:178 Resp: 304868

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

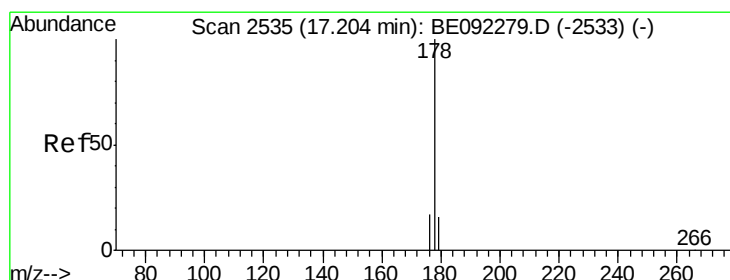
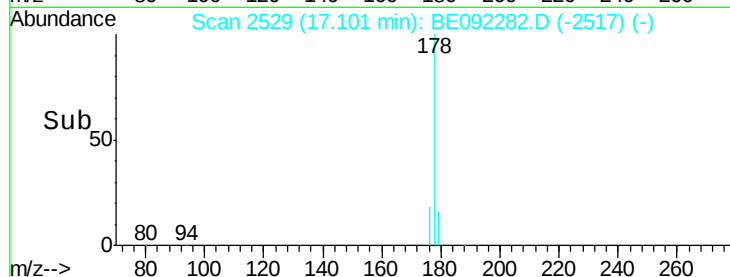
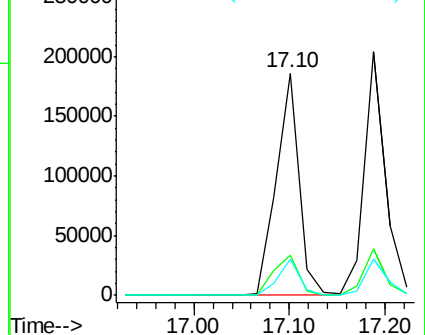
179 16.5 11.9 17.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#13

Anthracene

Concen: 3.21 ng/ul

RT: 17.19 min Scan# 2534

Delta R.T. -0.02 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

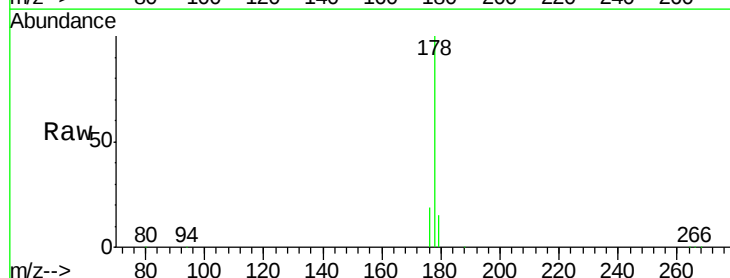
Tgt Ion:178 Resp: 313471

Ion Ratio Lower Upper

178 100

176 18.9 14.0 21.0

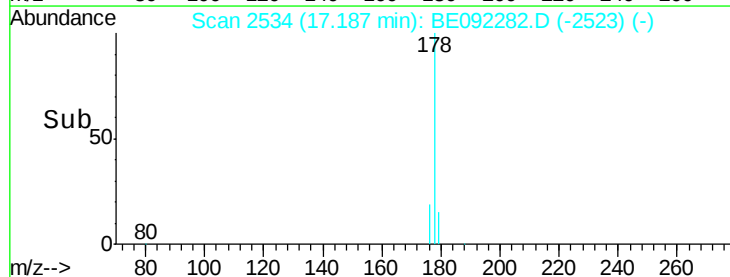
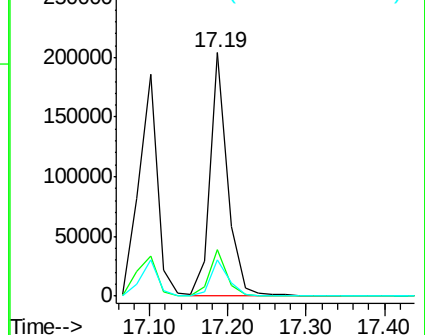
179 15.0 13.6 20.4

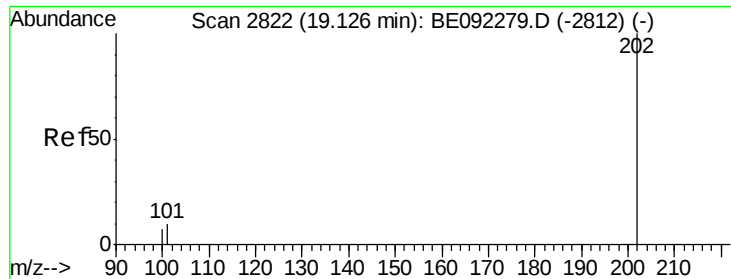


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 3.10 ng/ul

RT: 19.12 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

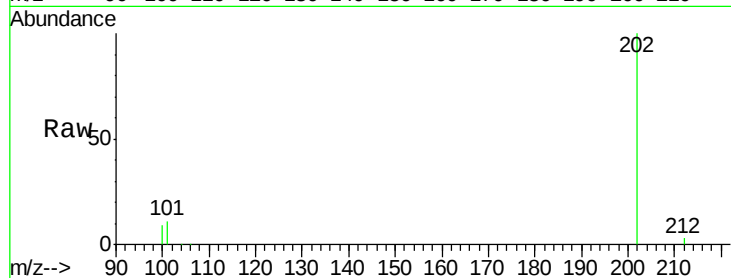
Tgt Ion:202 Resp: 374163

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.8

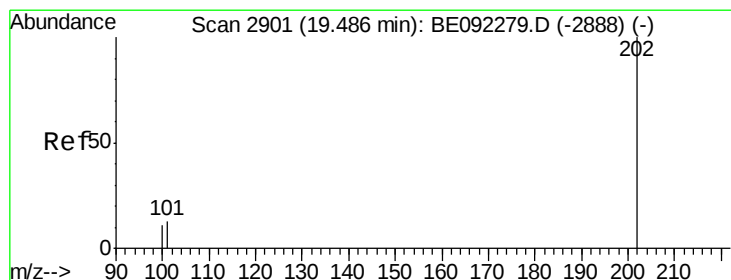
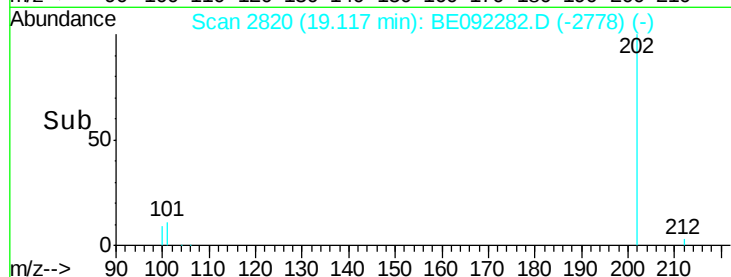
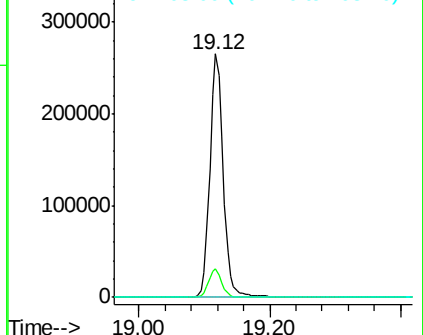
203 0.0 0.0 20.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 2.66 ng/ul

RT: 19.48 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

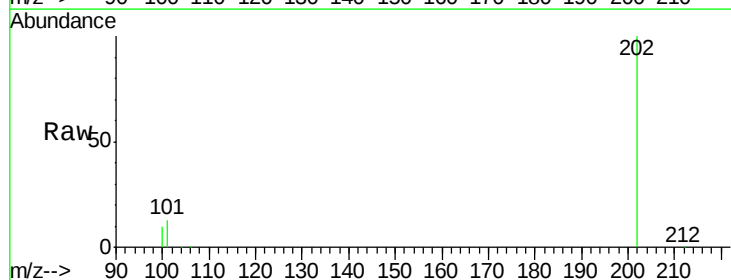
Tgt Ion:202 Resp: 383946

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

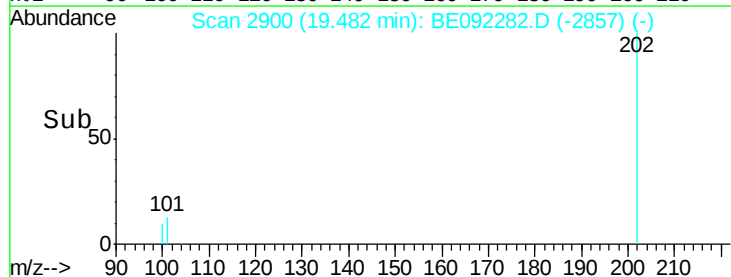
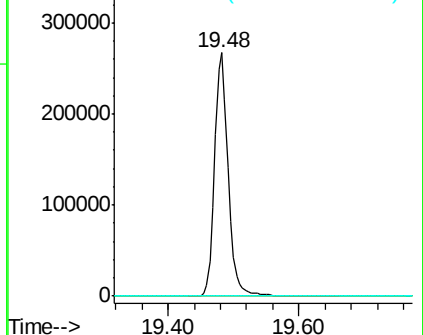
203 0.0 0.0 0.0

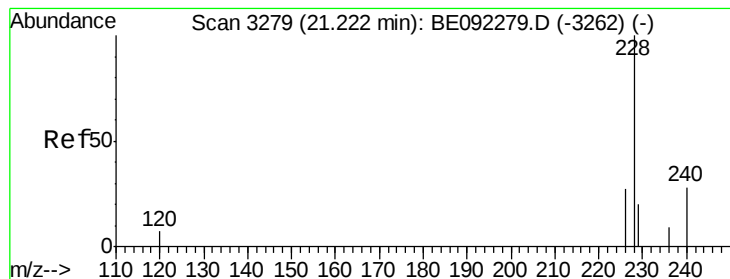


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 2.74 ng/ul

RT: 21.21 min Scan# 3277

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

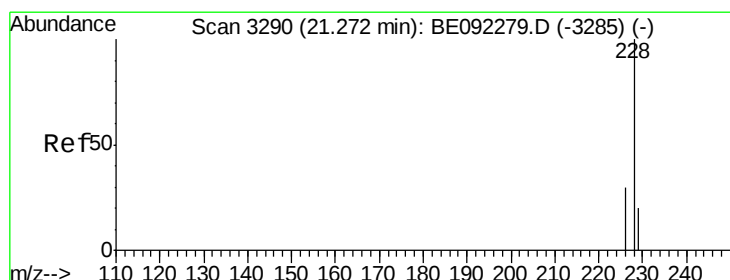
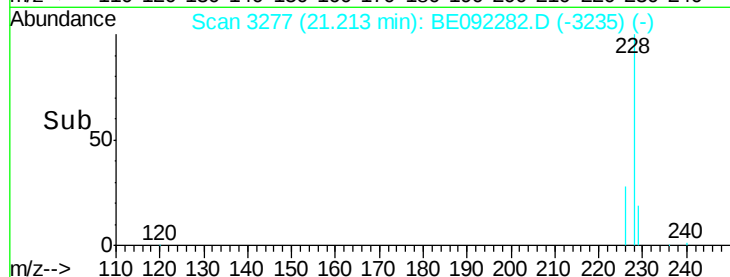
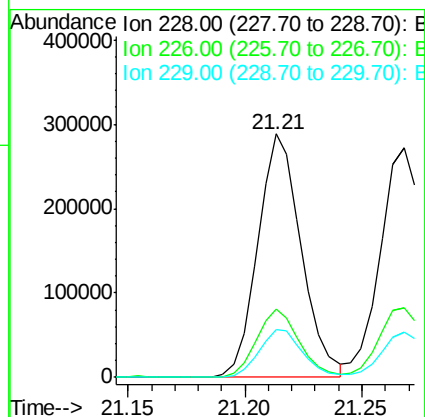
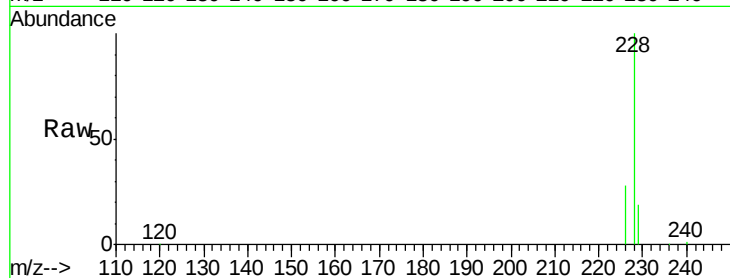
Tgt Ion:228 Resp: 373103

Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 19.5 15.9 23.9



#19

Chrysene

Concen: 2.85 ng/ul

RT: 21.27 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

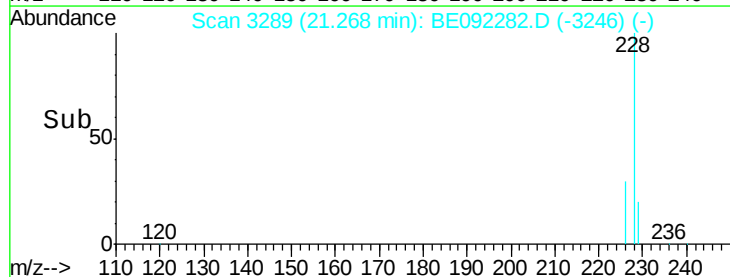
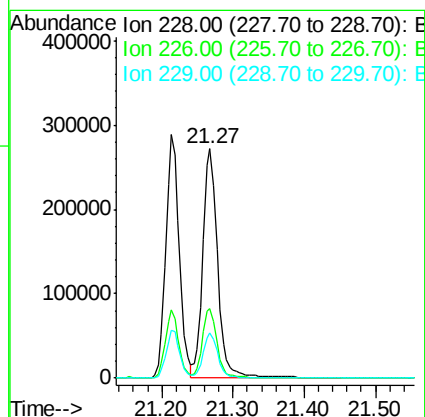
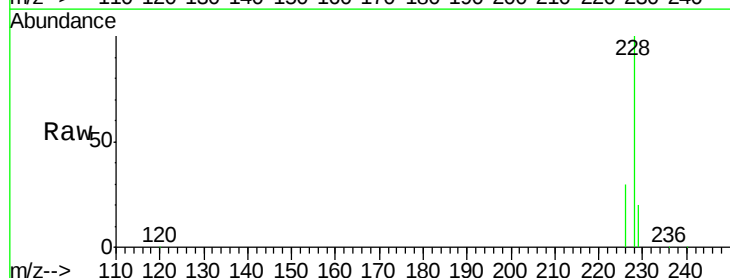
Tgt Ion:228 Resp: 386370

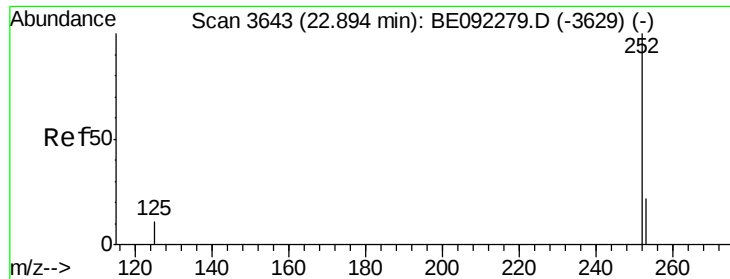
Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 19.9 16.0 24.0





#21

Benzo(b)fluoranthene

Concen: 2.74 ng/ul

RT: 22.89 min Scan# 3641

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

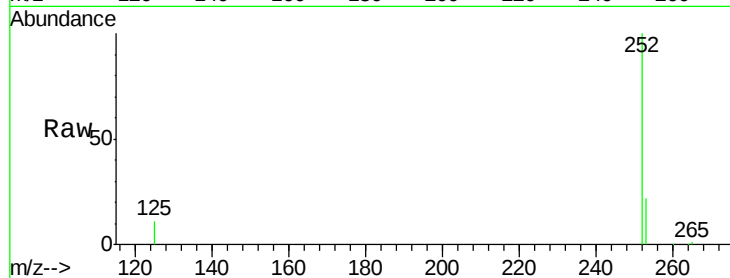
Tgt Ion:252 Resp: 370060

Ion Ratio Lower Upper

252 100

253 21.9 0.0 47.6

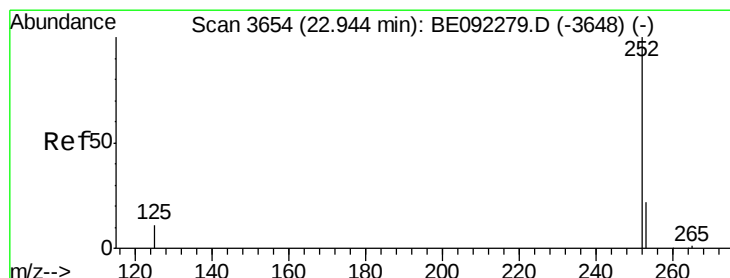
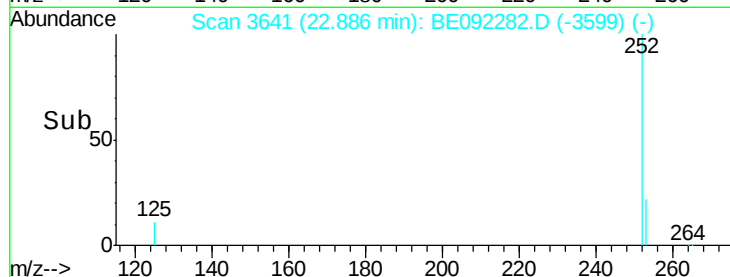
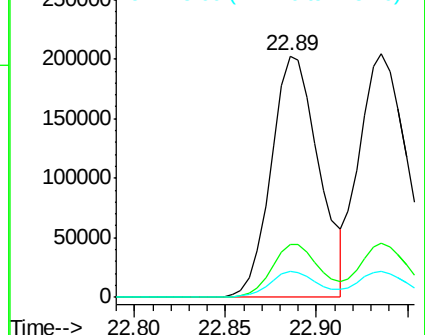
125 10.8 0.0 24.2



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



#22

Benzo(k)fluoranthene

Concen: 3.40 ng/ul

RT: 22.94 min Scan# 3652

Delta R.T. -0.01 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

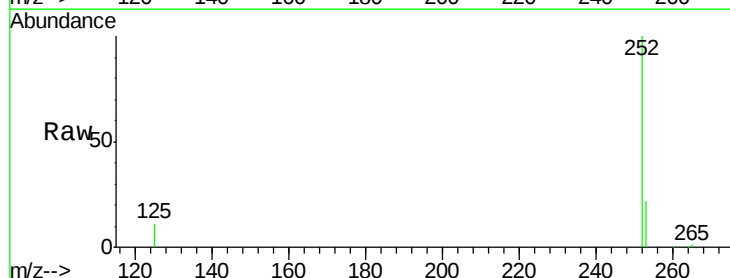
Tgt Ion:252 Resp: 402907

Ion Ratio Lower Upper

252 100

253 22.2 18.7 28.1

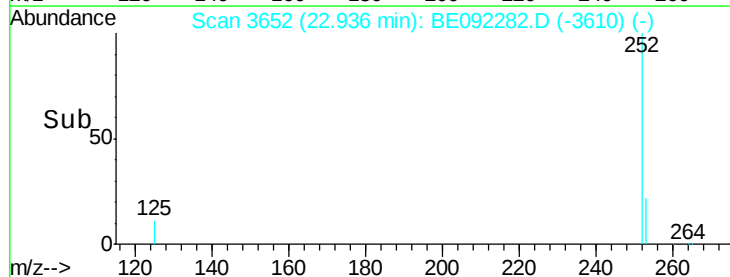
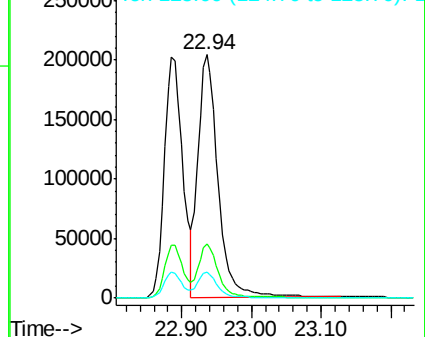
125 10.8 9.7 14.5

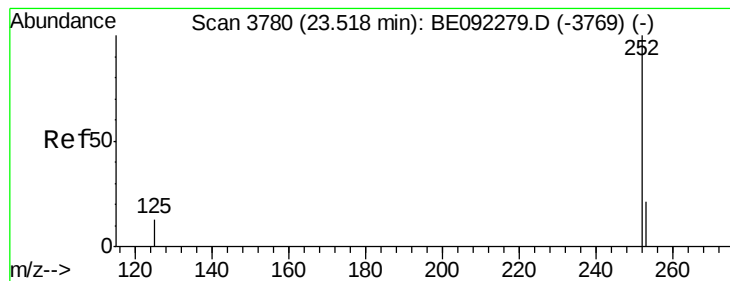


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.10 ng/ul

RT: 23.51 min Scan# 3779

Delta R.T. -0.00 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

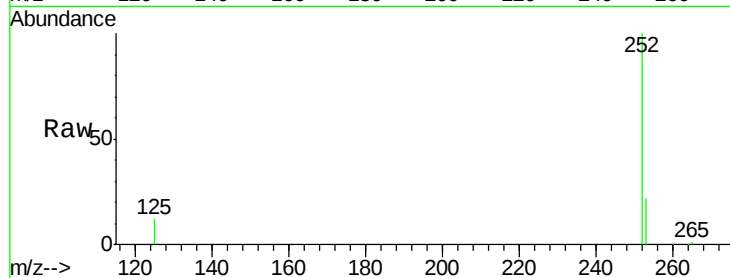
Tgt Ion:252 Resp: 371030

Ion Ratio Lower Upper

252 100

253 22.3 18.8 28.2

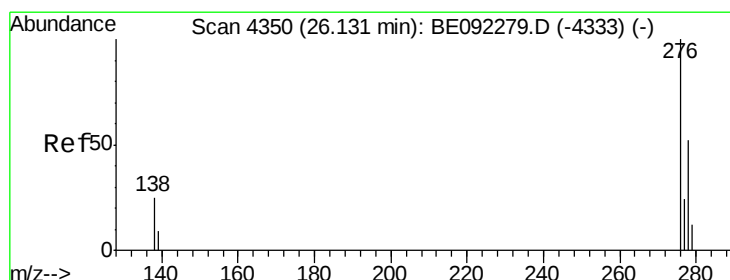
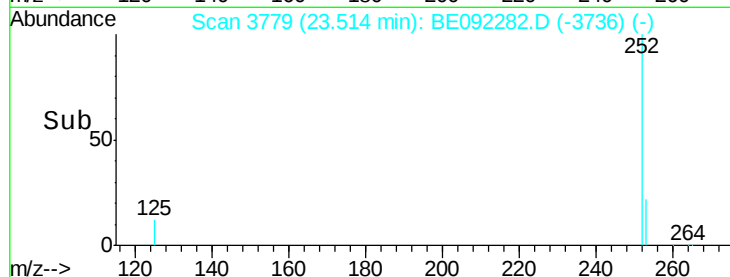
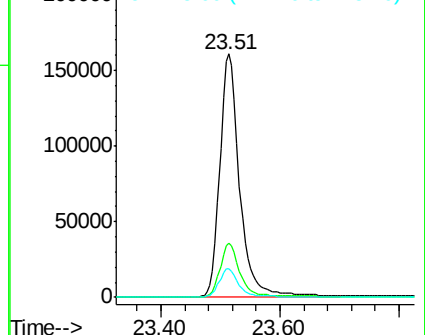
125 11.8 11.9 17.9#



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: 2.92 ng/ul

RT: 26.11 min Scan# 4346

Delta R.T. -0.02 min

Lab File: BE092282.D

Acq: 25 Aug 2016 21:05

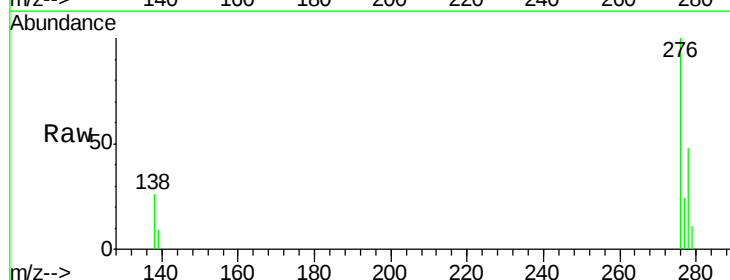
Tgt Ion:276 Resp: 426827

Ion Ratio Lower Upper

276 100

138 27.3 0.0 0.0#

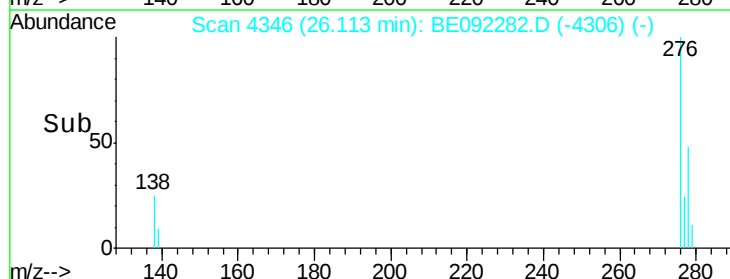
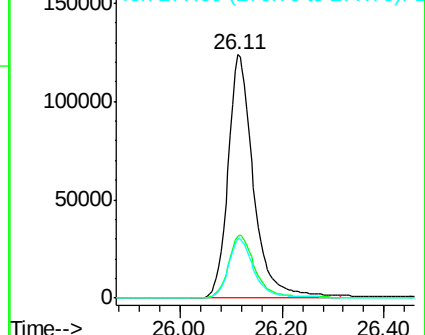
277 24.8 0.0 0.0#

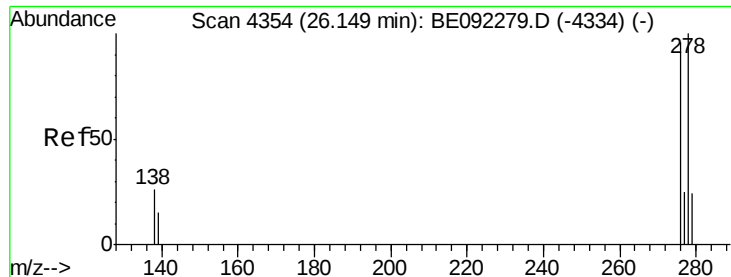


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

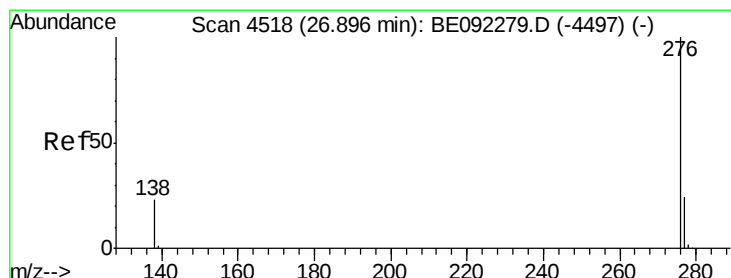
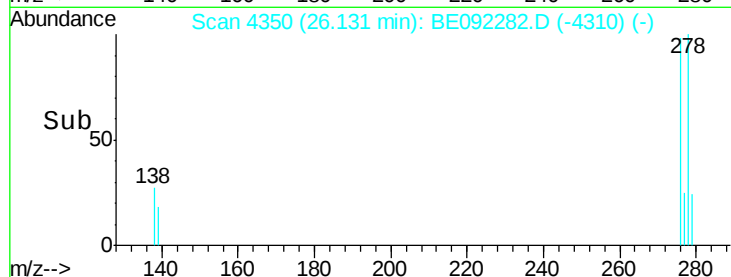
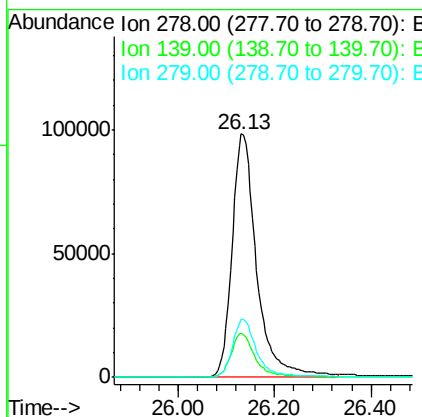
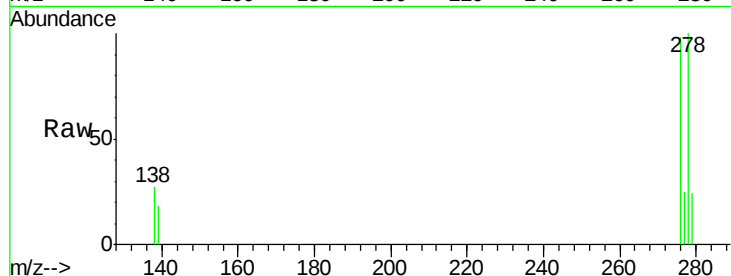




#25
 Dibenzo(a,h)anthracene
 Concen: 3.02 ng/ul
 RT: 26.13 min Scan# 4350
 Delta R.T. -0.02 min
 Lab File: BE092282.D
 Acq: 25 Aug 2016 21:05

Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.272

Tgt Ion: 278 Resp: 349257
 Ion Ratio Lower Upper
 278 100
 139 18.0 14.6 22.0
 279 23.9 20.2 30.2



#26
 Benzo(g,h,i)perylene
 Concen: 2.92 ng/ul
 RT: 26.89 min Scan# 4516
 Delta R.T. -0.01 min
 Lab File: BE092282.D
 Acq: 25 Aug 2016 21:05

Tgt Ion: 276 Resp: 365082
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.5 29.3
 138 23.5 19.2 28.8

