

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082516\
 Data File : BE092280.D
 Acq On : 25 Aug 2016 19:53
 Operator : UM/SJ
 Sample : SSTD0.870
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.870

Quant Time: Aug 26 04:20:50 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

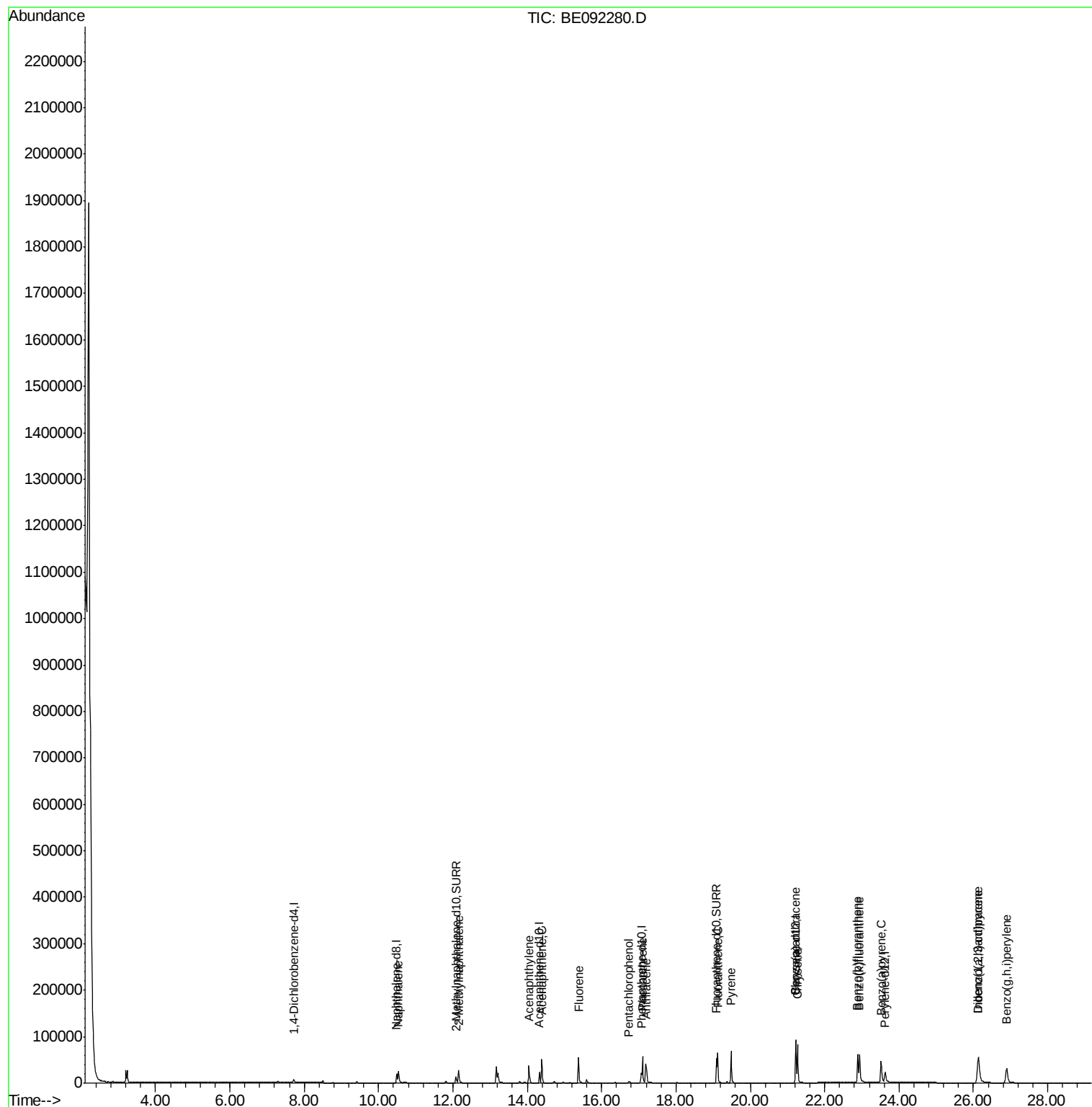
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	5361	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	24957	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	13590	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	33228	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	41660	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	37254	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	26313	0.83	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	68070	0.89	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.54	128	44764	0.73	ng/ul	98
5) 2-Methylnaphthalene	12.15	142	30702	0.74	ng/ul	100
7) Acenaphthylene	14.05	152	47948	0.68	ng/ul	99
8) Acenaphthene	14.39	153	33070	0.72	ng/ul	98
9) Fluorene	15.38	166	39154	0.74	ng/ul	100
11) Pentachlorophenol	16.74	266	3041	0.41	ng/ul	95
12) Phenanthrene	17.10	178	67711	0.74	ng/ul	98
13) Anthracene	17.19	178	64151	0.74	ng/ul	93
15) Fluoranthene	19.12	202	80973	0.76	ng/ul	99
17) Pyrene	19.48	202	87695	0.68	ng/ul	100
18) Benzo(a)anthracene	21.22	228	80343	0.65	ng/ul	100
19) Chrysene	21.27	228	88696	0.73	ng/ul	99
21) Benzo(b)fluoranthene	22.89	252	84385	0.65	ng/ul	97
22) Benzo(k)fluoranthene	22.94	252	93647	0.83	ng/ul	98
23) Benzo(a)pyrene	23.52	252	86098	0.75	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	26.13	276	95569	0.68	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.15	278	77027	0.70	ng/ul	99
26) Benzo(g,h,i)perylene	26.90	276	83629	0.70	ng/ul	99

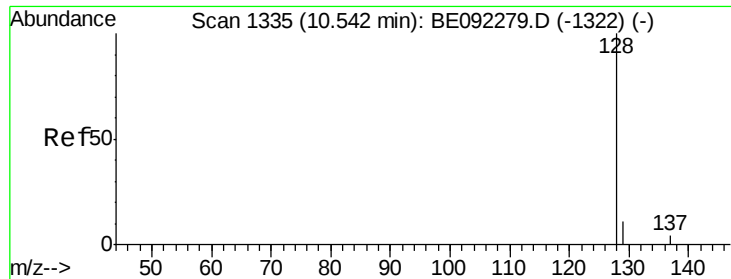
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.73 ng/ul

RT: 10.54 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

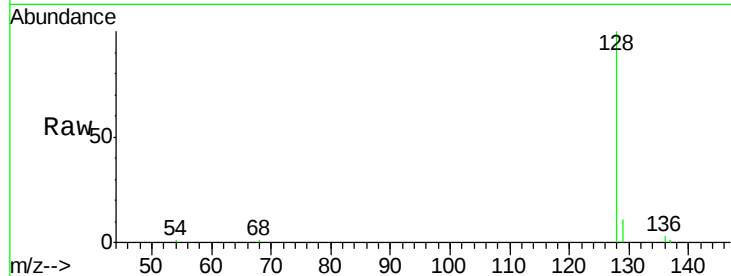
Tgt Ion:128 Resp: 44764

Ion Ratio Lower Upper

128 100

129 11.3 9.7 14.5

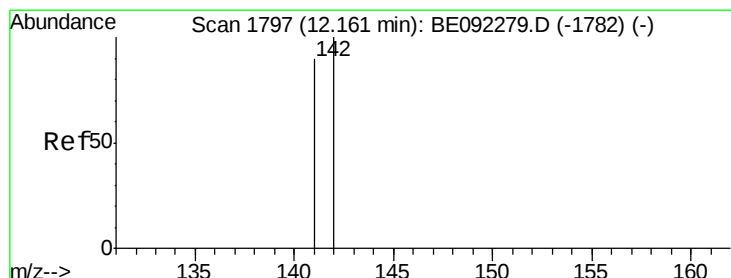
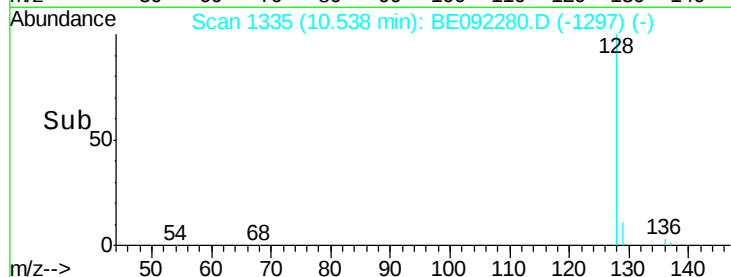
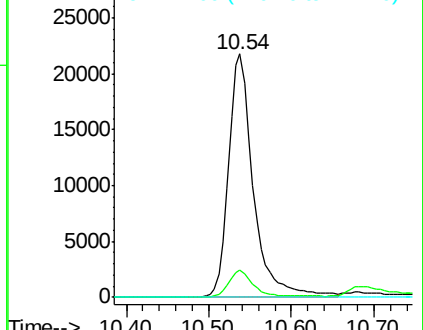
127 0.0 0.0 0.0



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: 0.74 ng/ul

RT: 12.15 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BE092280.D

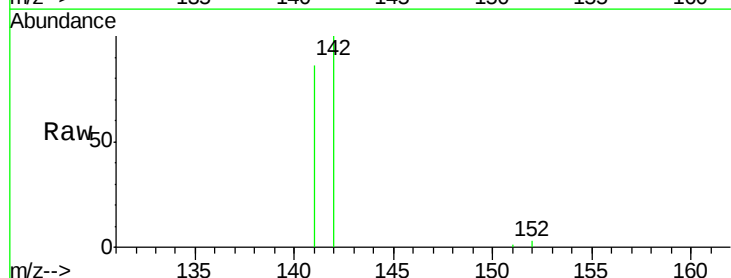
Acq: 25 Aug 2016 19:53

Tgt Ion:142 Resp: 30702

Ion Ratio Lower Upper

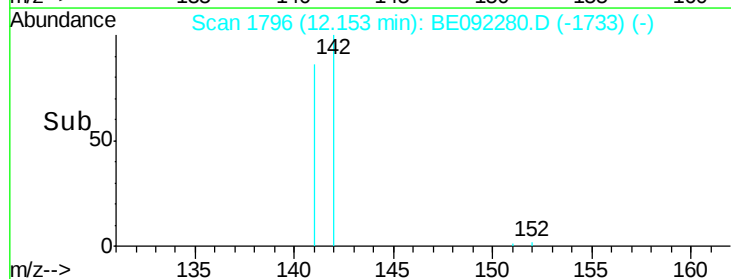
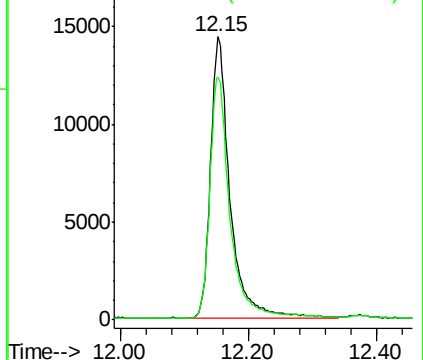
142 100

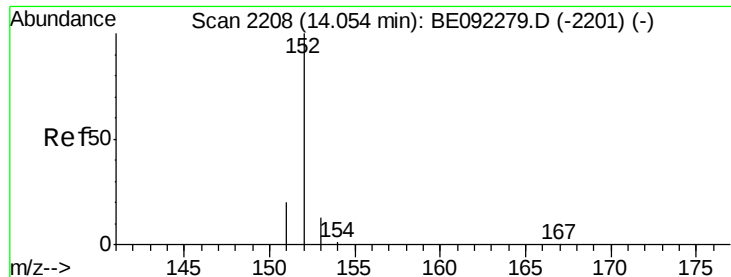
141 89.5 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.68 ng/ul

RT: 14.05 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

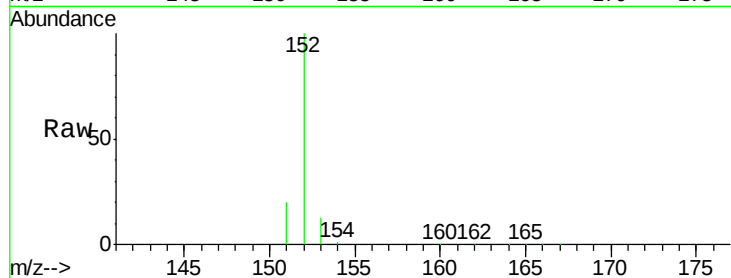
Tgt Ion:152 Resp: 47948

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

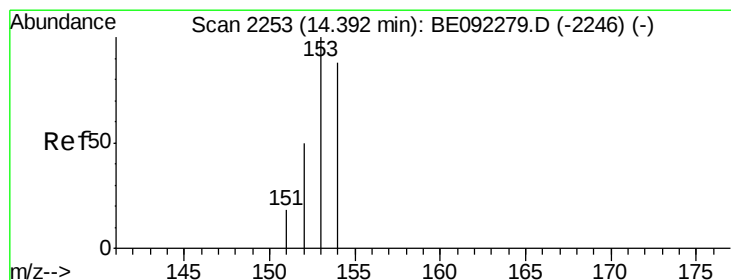
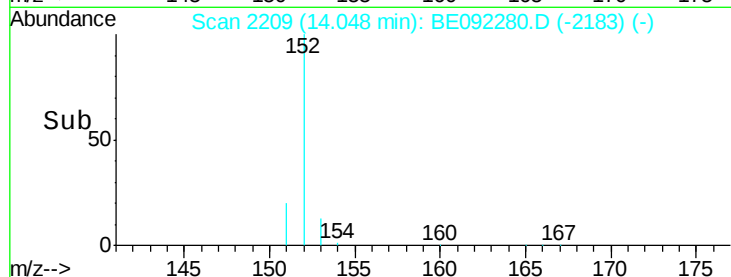
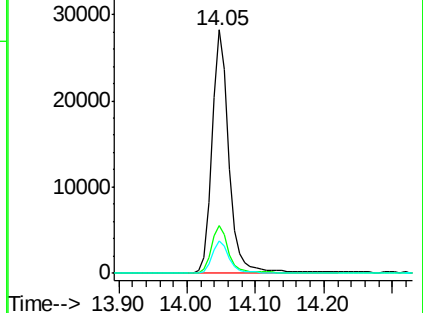
153 13.2 11.2 16.8



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: 0.72 ng/ul

RT: 14.39 min Scan# 2254

Delta R.T. -0.01 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

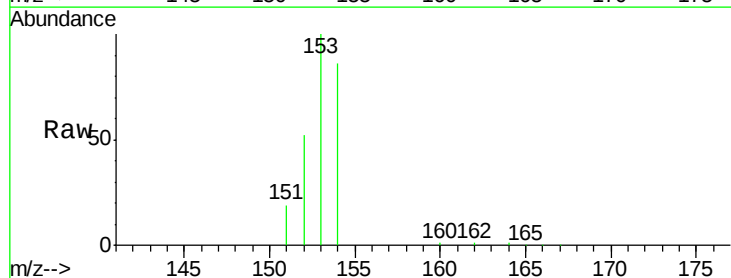
Tgt Ion:153 Resp: 33070

Ion Ratio Lower Upper

153 100

152 51.9 40.9 61.3

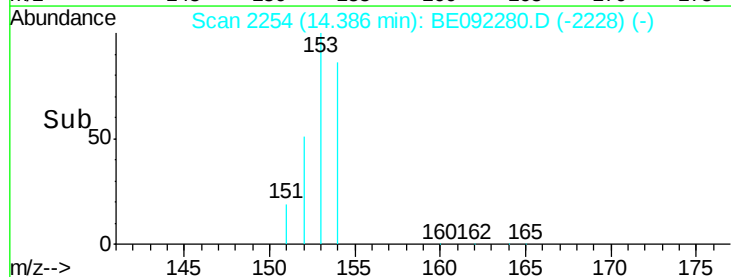
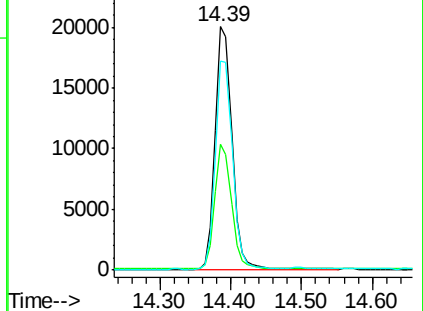
154 85.8 70.6 106.0

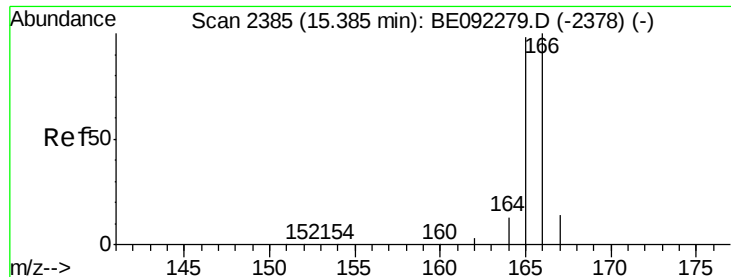


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.74 ng/ul

RT: 15.38 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

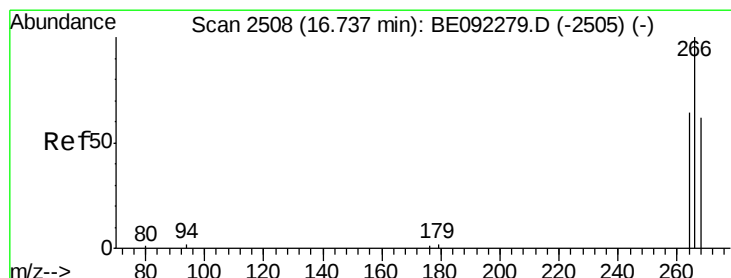
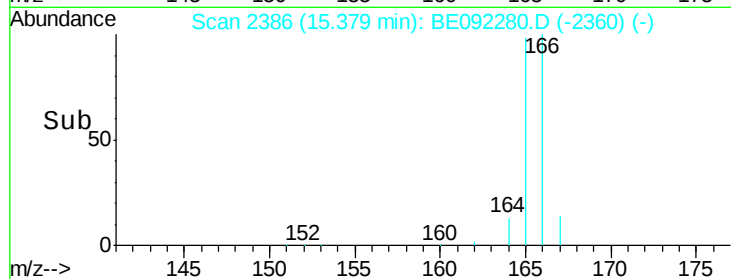
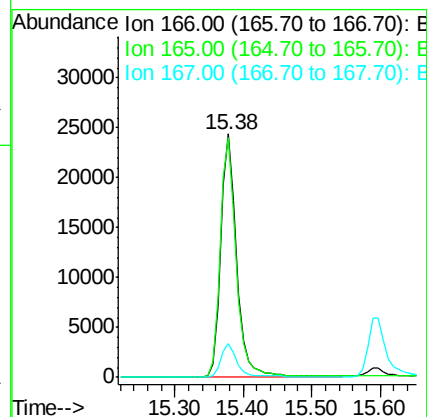
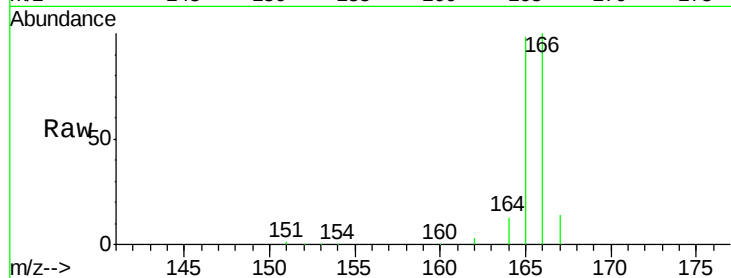
Tgt Ion:166 Resp: 39154

Ion Ratio Lower Upper

166 100

165 98.5 78.7 118.1

167 14.0 11.5 17.3



#11

Pentachlorophenol

Concen: 0.41 ng/ul

RT: 16.74 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

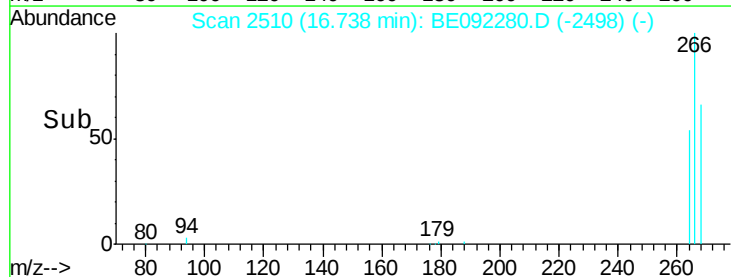
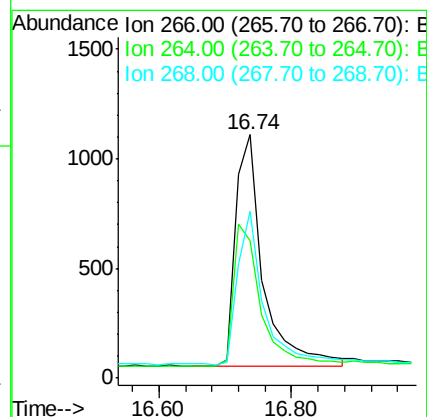
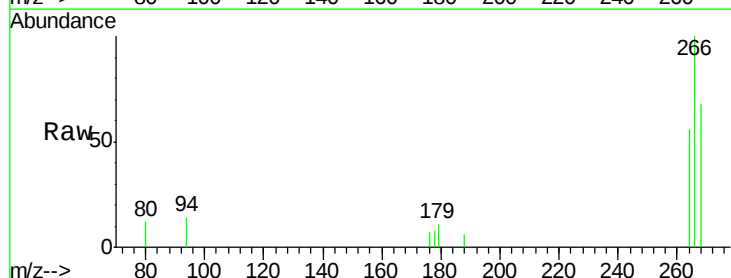
Tgt Ion:266 Resp: 3041

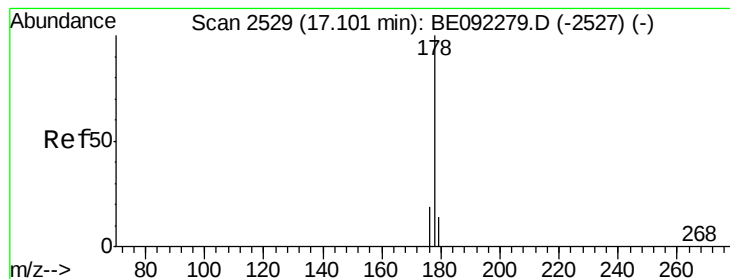
Ion Ratio Lower Upper

266 100

264 62.0 53.0 79.6

268 62.2 52.3 78.5





#12

Phenanthrene

Concen: 0.74 ng/ul

RT: 17.10 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

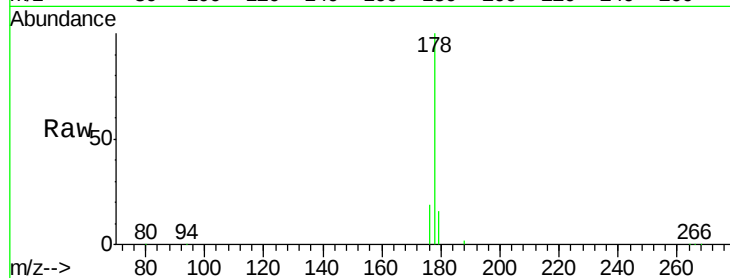
Tgt Ion:178 Resp: 67711

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

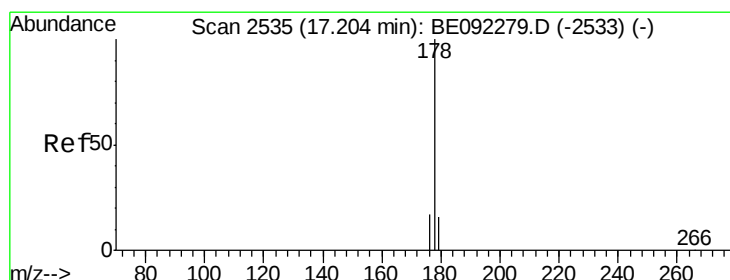
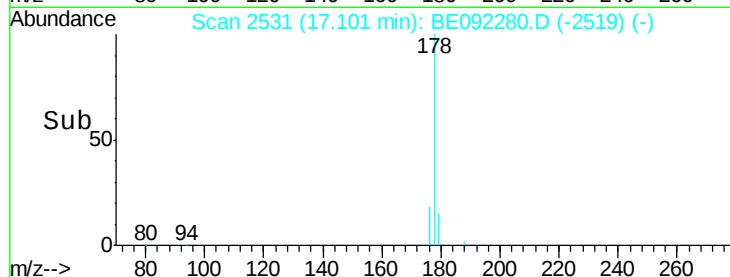
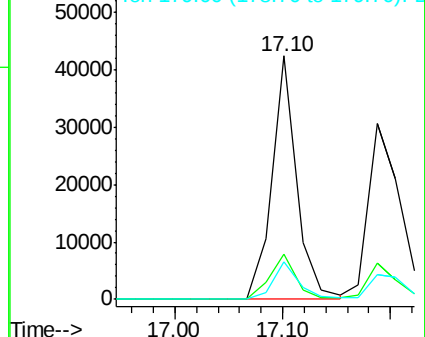
179 15.7 11.9 17.9



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: 0.74 ng/ul

RT: 17.19 min Scan# 2536

Delta R.T. -0.02 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

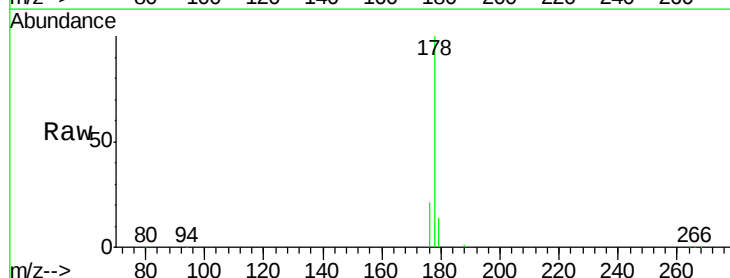
Tgt Ion:178 Resp: 64151

Ion Ratio Lower Upper

178 100

176 20.7 14.0 21.0

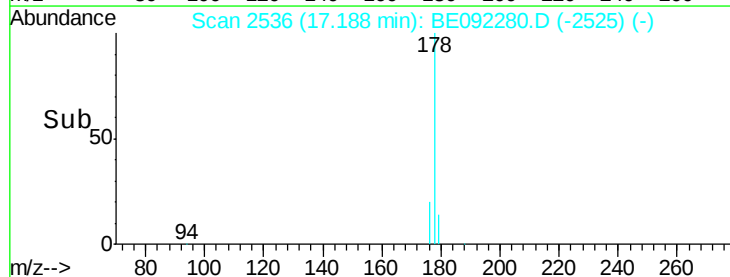
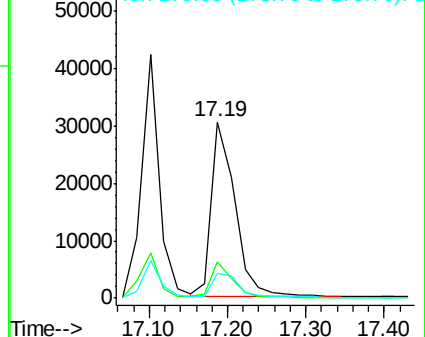
179 14.0 13.6 20.4

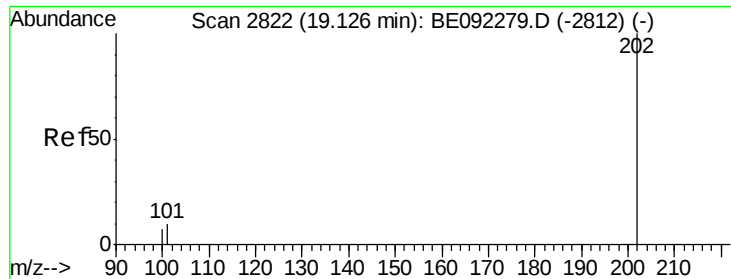


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.76 ng/ul

RT: 19.12 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

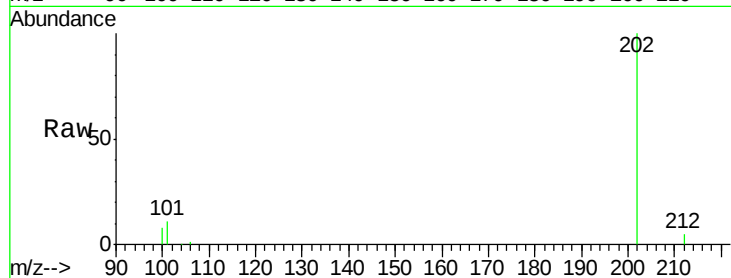
Tgt Ion:202 Resp: 80973

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.8

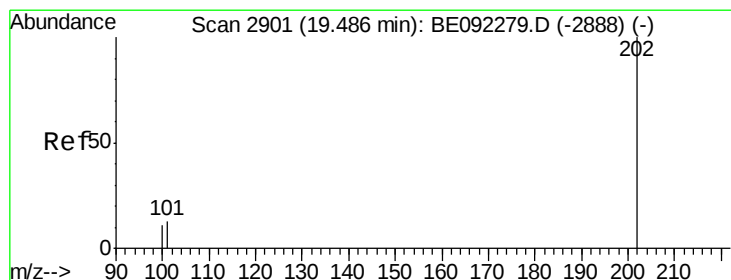
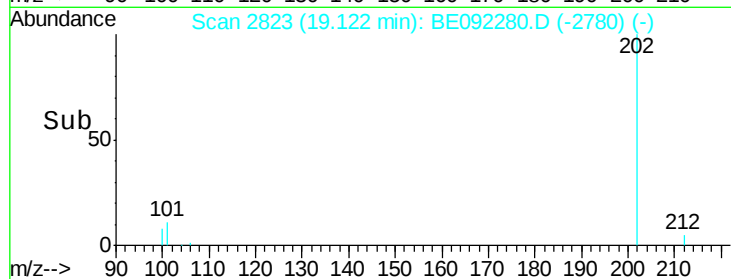
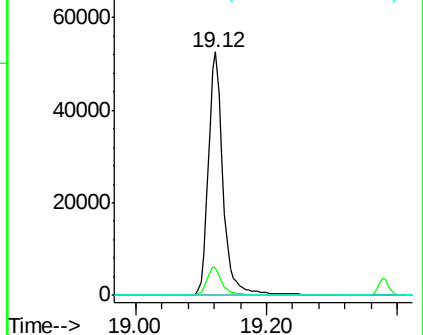
203 0.0 0.0 20.0



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: 0.68 ng/ul

RT: 19.48 min Scan# 2902

Delta R.T. -0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

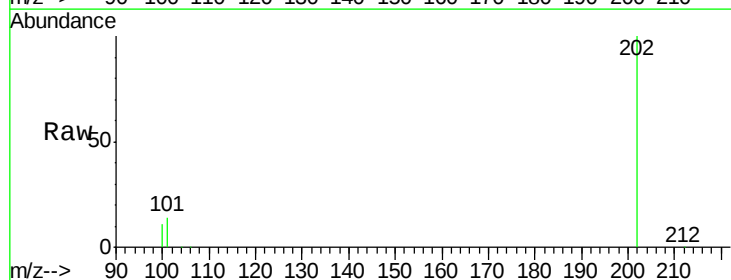
Tgt Ion:202 Resp: 87695

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

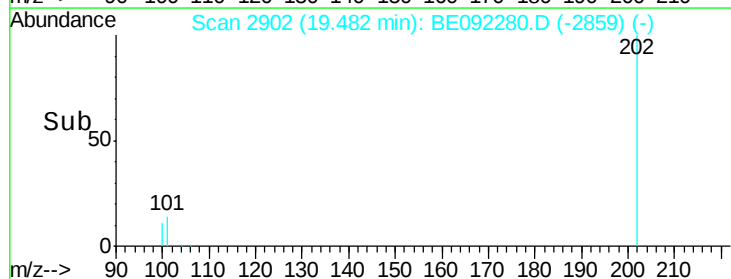
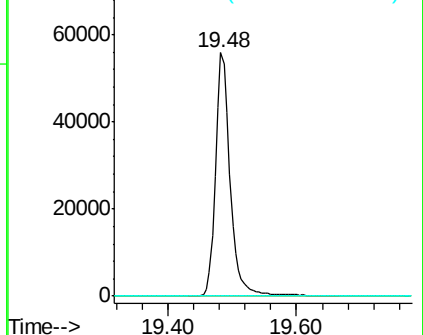
203 0.0 0.0 0.0

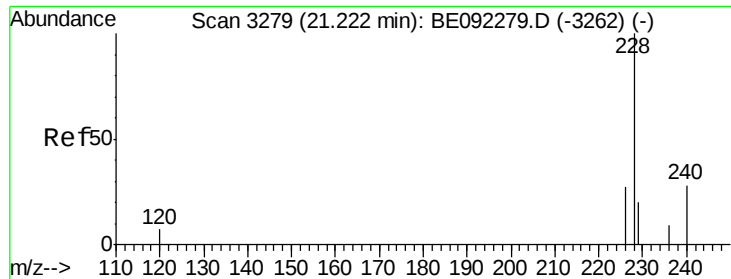


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.65 ng/ul

RT: 21.22 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

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ClientSampleId :

SSTD0.870

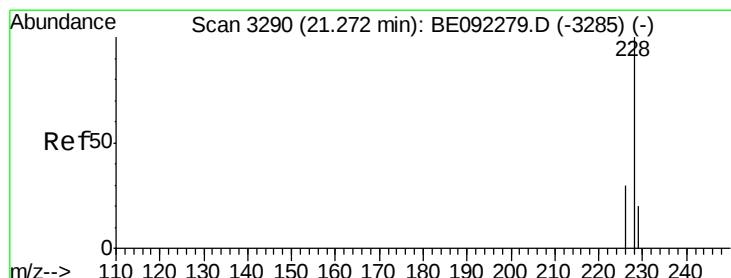
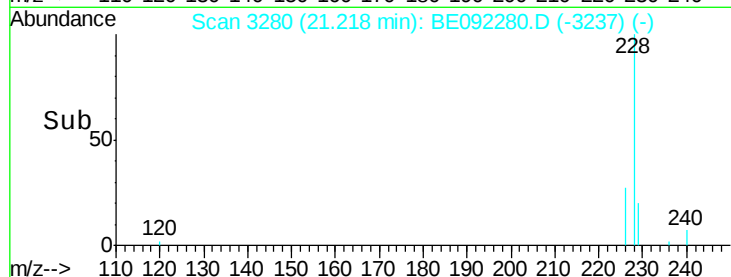
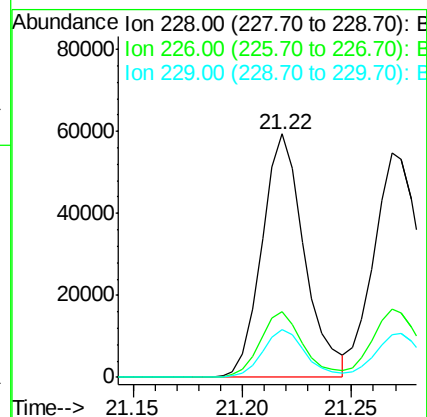
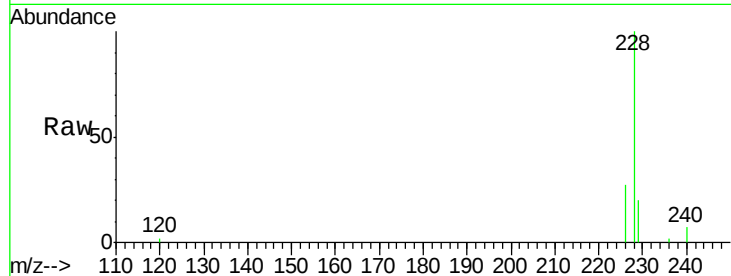
Tgt Ion:228 Resp: 80343

Ion Ratio Lower Upper

228 100

226 26.9 21.6 32.4

229 19.7 15.9 23.9



#19

Chrysene

Concen: 0.73 ng/ul

RT: 21.27 min Scan# 3291

Delta R.T. -0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

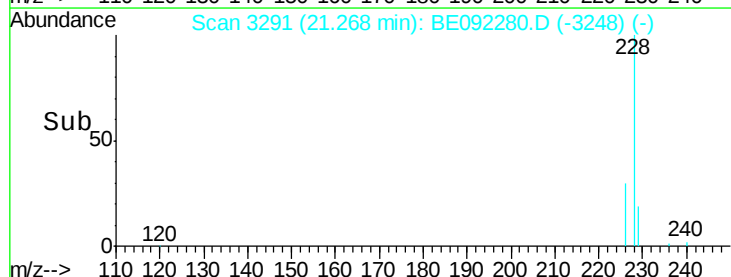
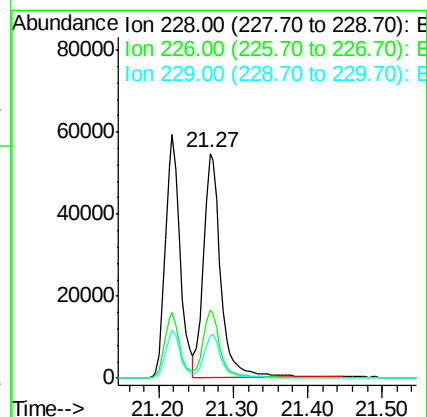
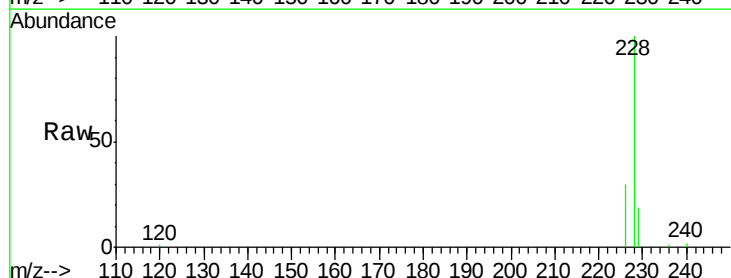
Tgt Ion:228 Resp: 88696

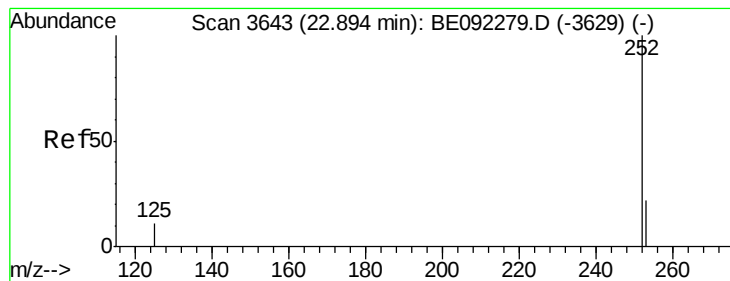
Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 19.3 16.0 24.0





#21

Benzo(b)fluoranthene

Concen: 0.65 ng/ul

RT: 22.89 min Scan# 3645

Delta R.T. 0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

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SSTD0.870

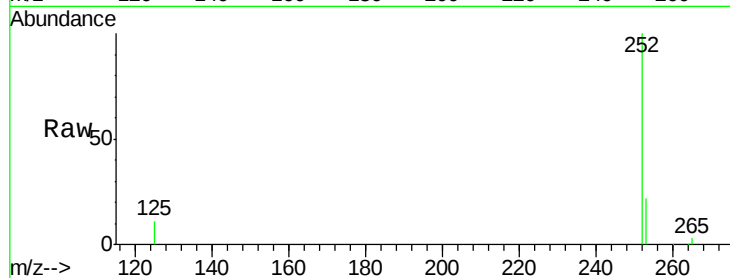
Tgt Ion:252 Resp: 84385

Ion Ratio Lower Upper

252 100

253 22.4 0.0 47.6

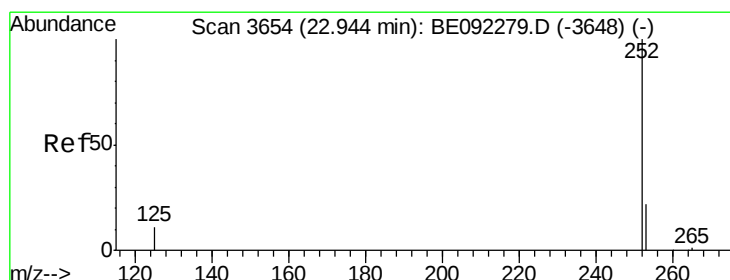
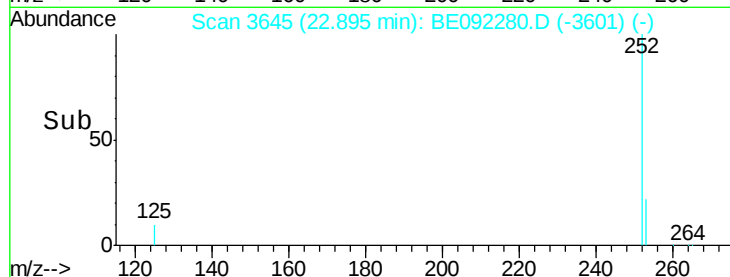
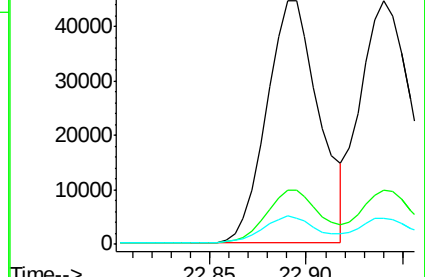
125 10.9 0.0 24.2



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: 0.83 ng/ul

RT: 22.94 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

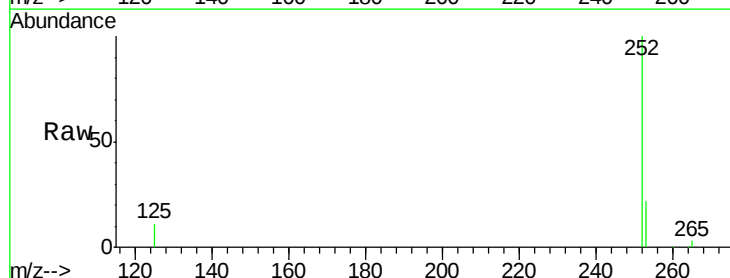
Tgt Ion:252 Resp: 93647

Ion Ratio Lower Upper

252 100

253 22.5 18.7 28.1

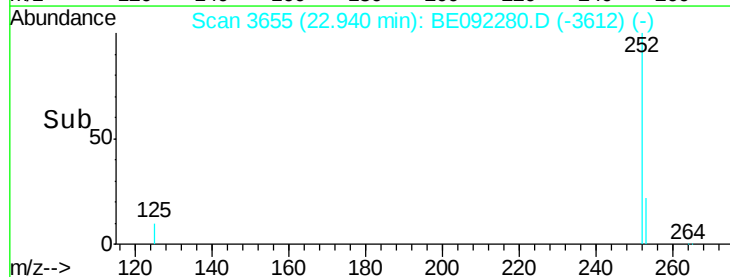
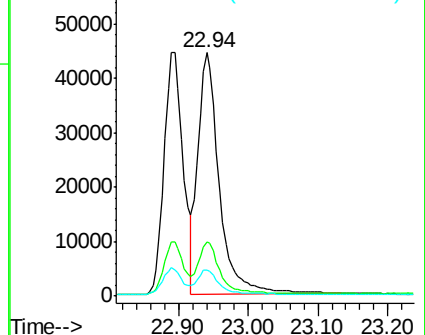
125 10.9 9.7 14.5

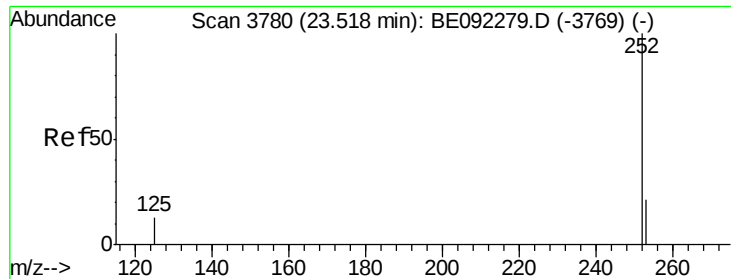


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.75 ng/ul

RT: 23.52 min Scan# 3782

Delta R.T. 0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.870

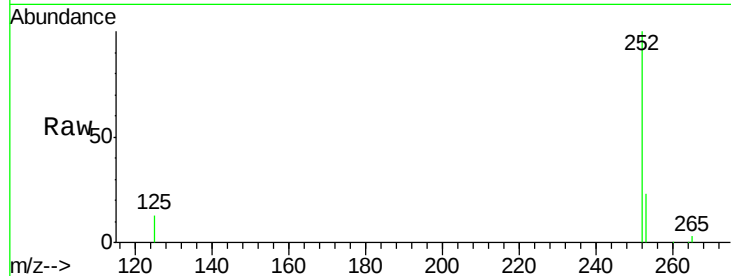
Tgt Ion:252 Resp: 86098

Ion Ratio Lower Upper

252 100

253 22.7 18.8 28.2

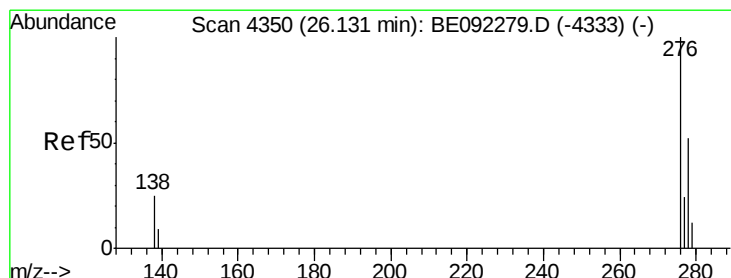
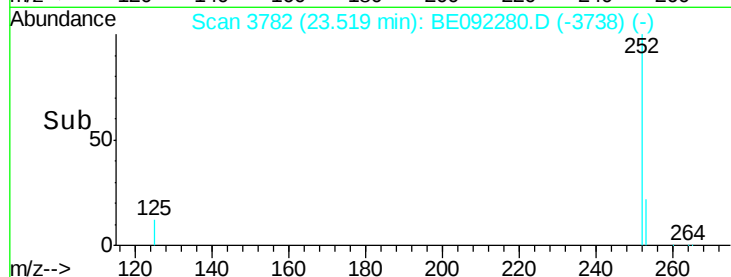
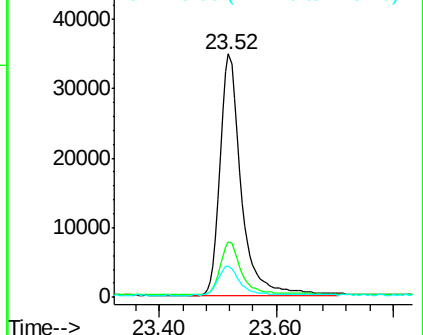
125 12.8 11.9 17.9



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: 0.68 ng/ul

RT: 26.13 min Scan# 4351

Delta R.T. -0.00 min

Lab File: BE092280.D

Acq: 25 Aug 2016 19:53

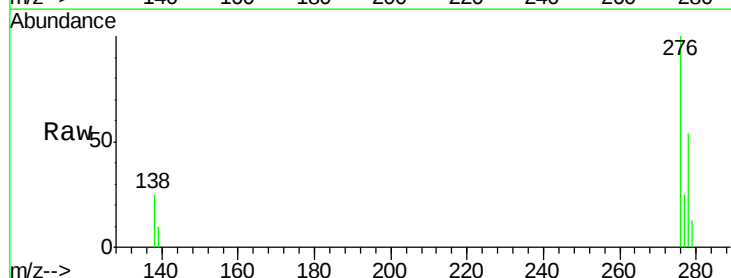
Tgt Ion:276 Resp: 95569

Ion Ratio Lower Upper

276 100

138 27.1 0.0 0.0#

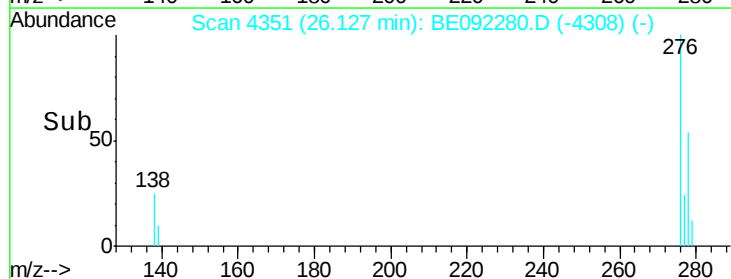
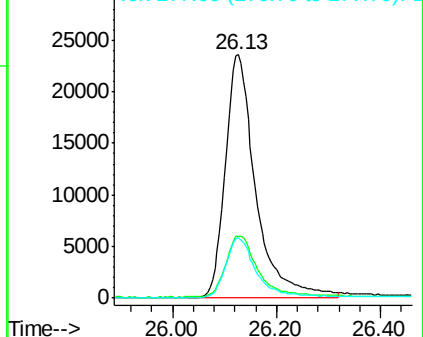
277 24.6 0.0 0.0#

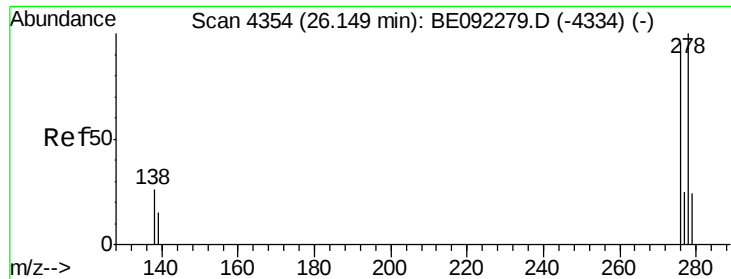


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



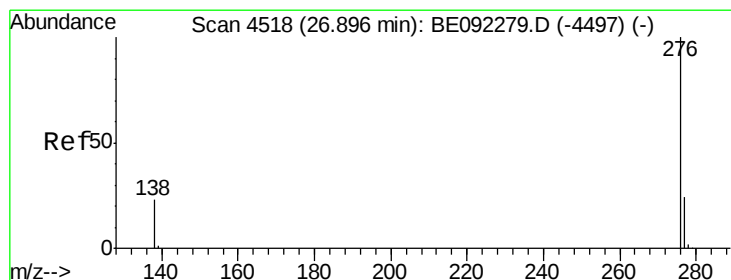
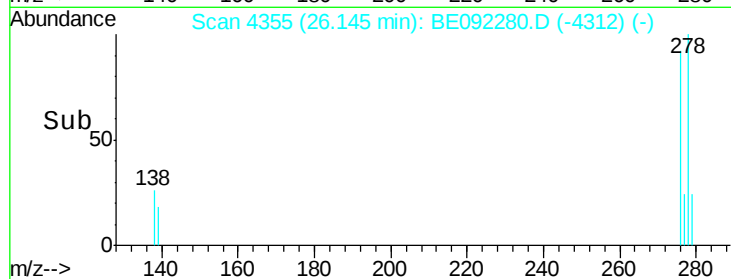
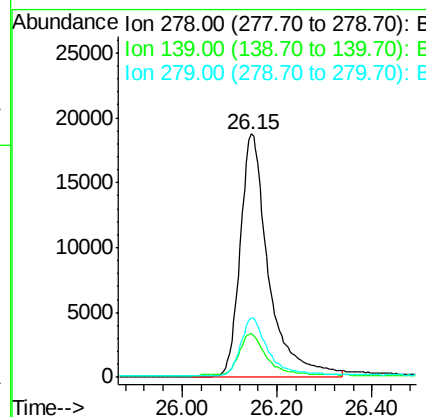
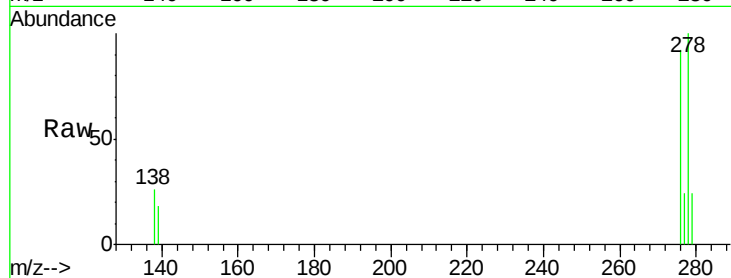


#25
Dibenzo(a,h)anthracene
Concen: 0.70 ng/ul
RT: 26.15 min Scan# 4355
Delta R.T. -0.00 min
Lab File: BE092280.D
Acq: 25 Aug 2016 19:53

Instrument :
BNA_E
ClientSampleId :
SSTD0.870

Tgt Ion: 278 Resp: 77027

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.6	22.0
279	24.3	20.2	30.2



#26
Benzo(g,h,i)perylene
Concen: 0.70 ng/ul
RT: 26.90 min Scan# 4520
Delta R.T. 0.00 min
Lab File: BE092280.D
Acq: 25 Aug 2016 19:53

Tgt Ion: 276 Resp: 83629

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.5	29.3
138	23.6	19.2	28.8

