

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082516\
 Data File : BE092281.D
 Acq On : 25 Aug 2016 20:29
 Operator : UM/SJ
 Sample : SSTD1.671
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1.671

Quant Time: Aug 26 04:21:00 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	5566	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	25903	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	14157	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	34593	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	43185	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	37242	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	55125	1.69	ng/ul	-0.02
14) Fluoranthene-d10	19.09	212	144846	1.83	ng/ul	0.00

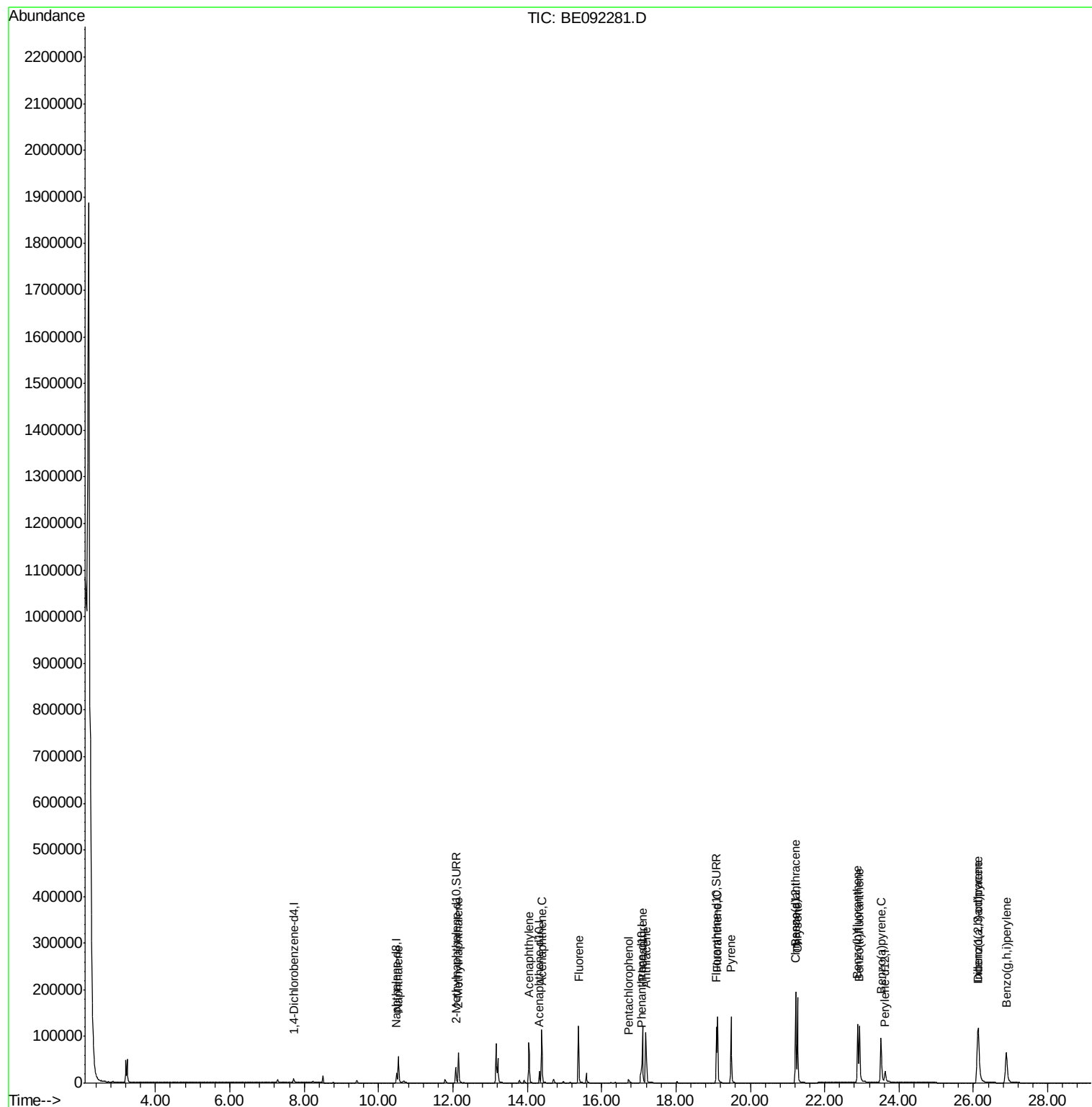
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.53	128	92424	1.44	ng/ul	98
5) 2-Methylnaphthalene	12.15	142	64634	1.50	ng/ul	100
7) Acenaphthylene	14.05	152	102535	1.39	ng/ul	98
8) Acenaphthene	14.39	153	69691	1.45	ng/ul	97
9) Fluorene	15.38	166	82888	1.51	ng/ul	99
11) Pentachlorophenol	16.72	266	6868	0.88	ng/ul	97
12) Phenanthrene	17.10	178	141340	1.49	ng/ul	97
13) Anthracene	17.19	178	138259	1.54	ng/ul	94
15) Fluoranthene	19.12	202	171784	1.55	ng/ul	99
17) Pyrene	19.48	202	175568	1.31	ng/ul	100
18) Benzo(a)anthracene	21.22	228	170973	1.34	ng/ul	99
19) Chrysene	21.27	228	181561	1.44	ng/ul	99
21) Benzo(b)fluoranthene	22.89	252	170688	1.32	ng/ul	97
22) Benzo(k)fluoranthene	22.94	252	190890	1.68	ng/ul	97
23) Benzo(a)pyrene	23.51	252	172465	1.51	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	26.12	276	194863	1.40	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.14	278	158172	1.43	ng/ul	98
26) Benzo(g,h,i)perylene	26.89	276	168975	1.41	ng/ul	98

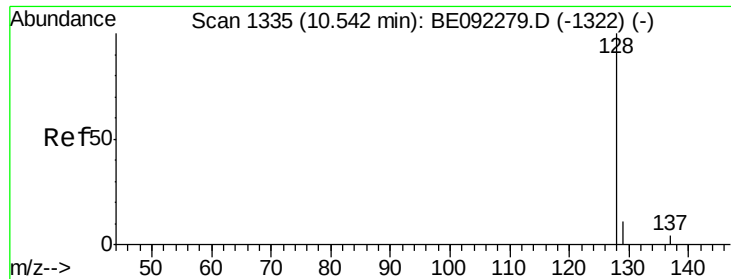
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.44 ng/ul

RT: 10.53 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

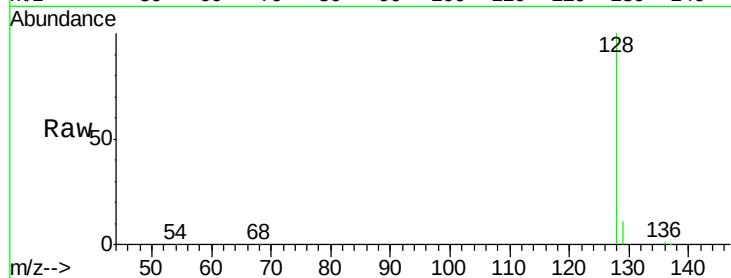
Tgt Ion:128 Resp: 92424

Ion Ratio Lower Upper

128 100

129 11.1 9.7 14.5

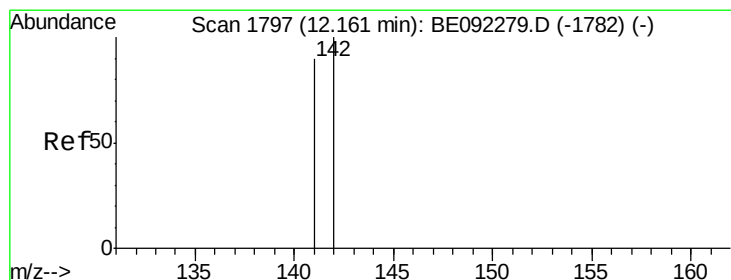
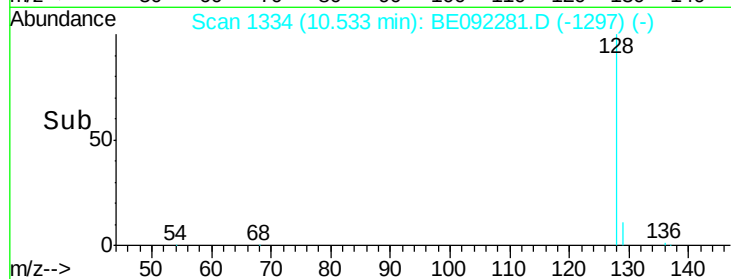
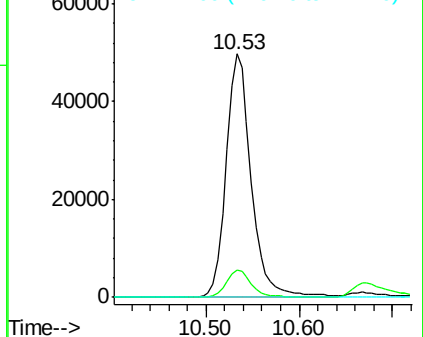
127 0.0 0.0 0.0



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: 1.50 ng/ul

RT: 12.15 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BE092281.D

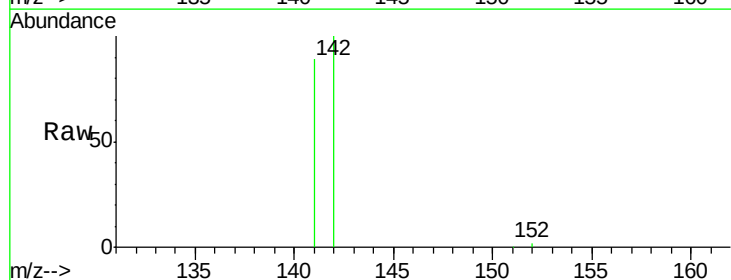
Acq: 25 Aug 2016 20:29

Tgt Ion:142 Resp: 64634

Ion Ratio Lower Upper

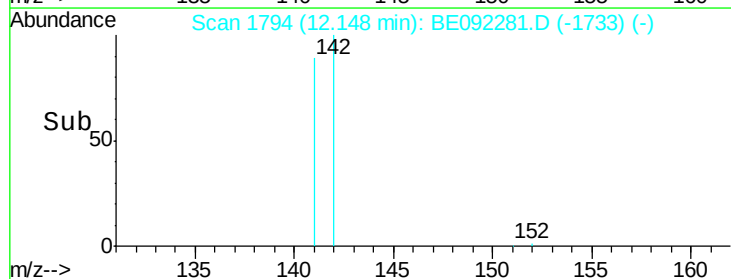
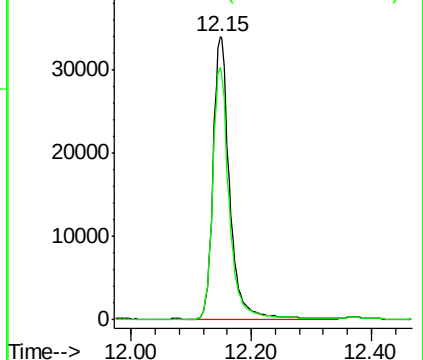
142 100

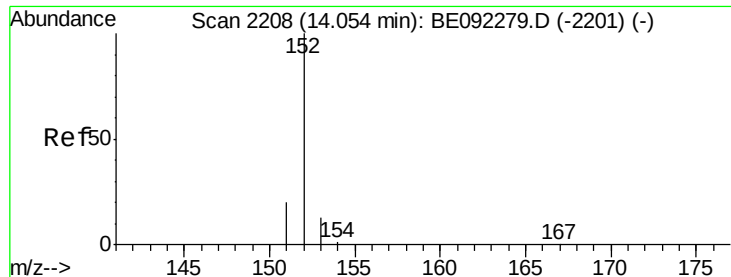
141 89.4 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.39 ng/ul

RT: 14.05 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

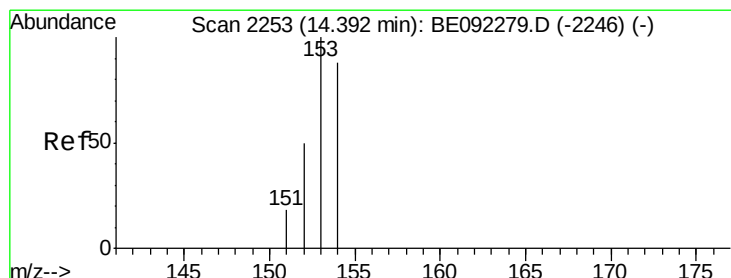
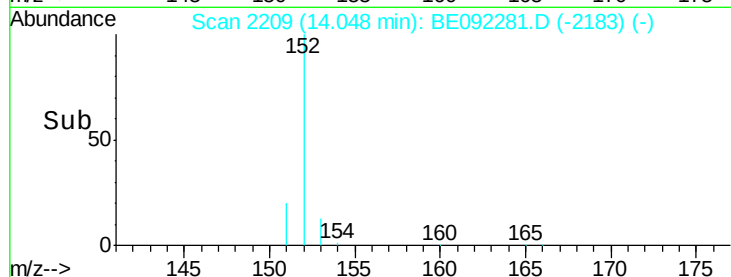
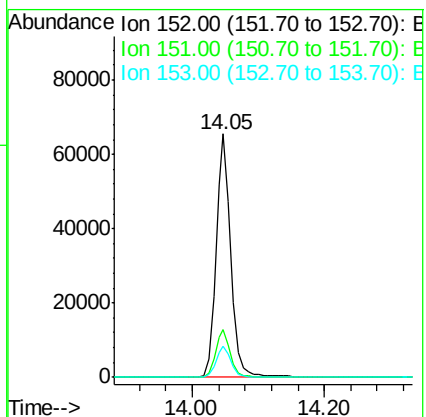
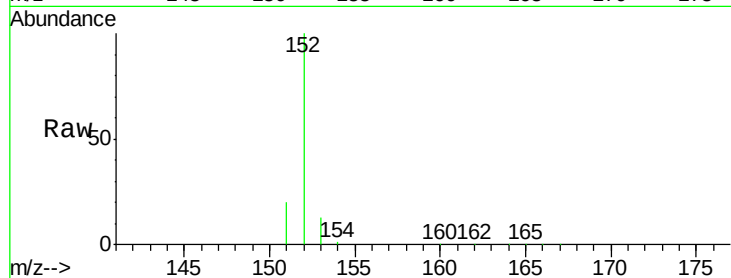
Tgt Ion:152 Resp: 102535

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

153 13.0 11.2 16.8



#8

Acenaphthene

Concen: 1.45 ng/ul

RT: 14.39 min Scan# 2254

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

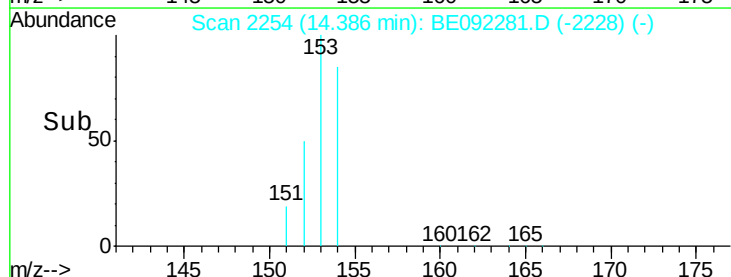
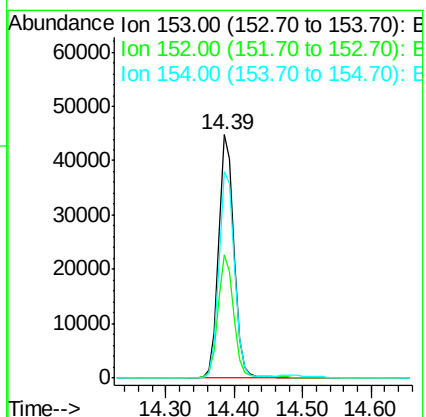
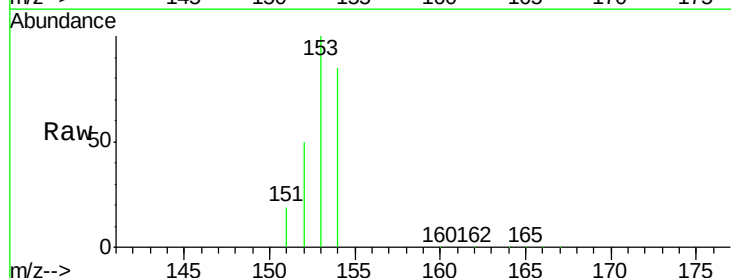
Tgt Ion:153 Resp: 69691

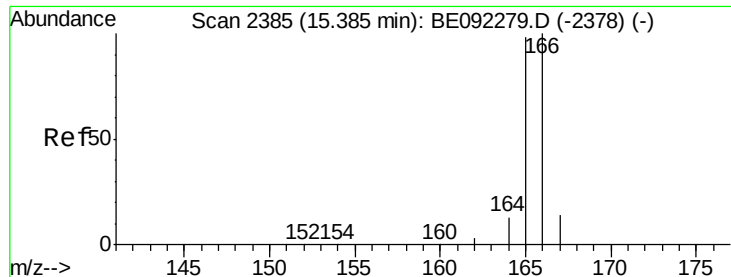
Ion Ratio Lower Upper

153 100

152 50.5 40.9 61.3

154 85.0 70.6 106.0





#9

Fluorene

Concen: 1.51 ng/ul

RT: 15.38 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

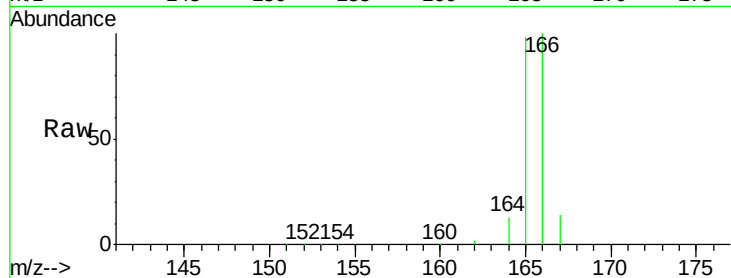
Tgt Ion:166 Resp: 82888

Ion Ratio Lower Upper

166 100

165 97.9 78.7 118.1

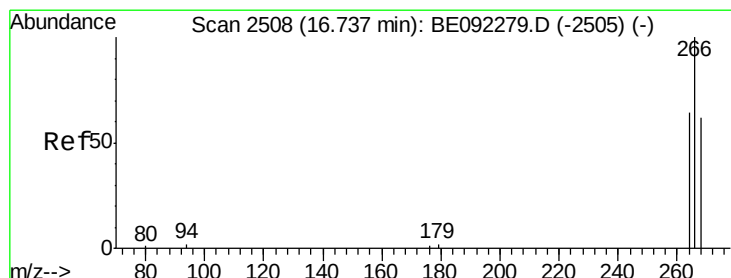
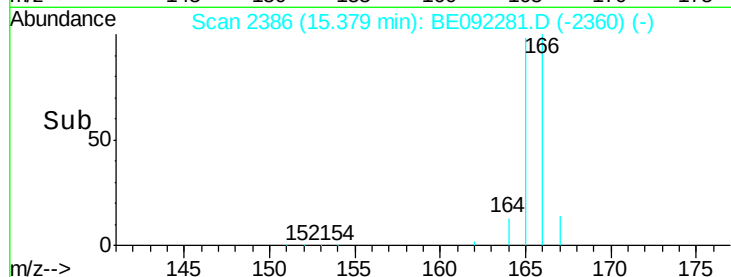
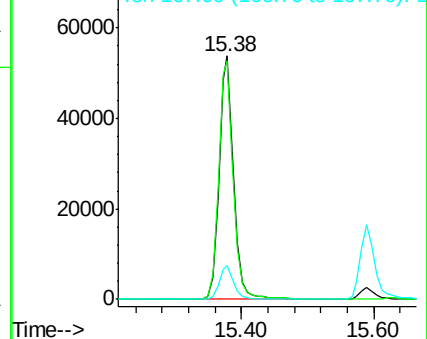
167 13.9 11.5 17.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.88 ng/ul

RT: 16.72 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

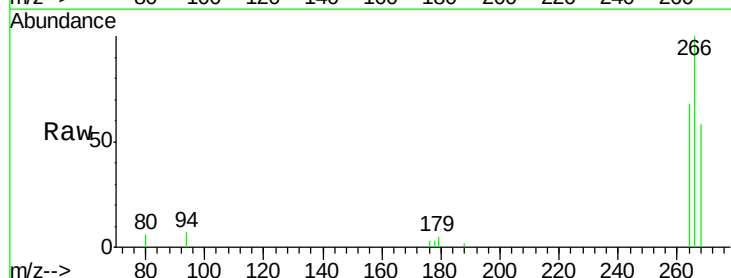
Tgt Ion:266 Resp: 6868

Ion Ratio Lower Upper

266 100

264 62.5 53.0 79.6

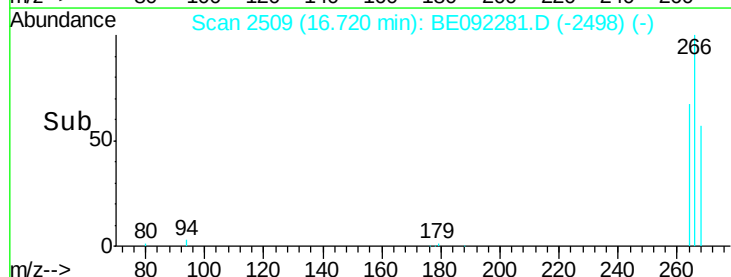
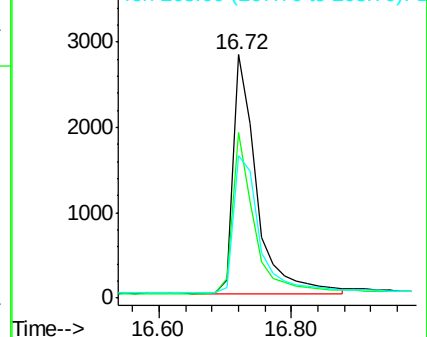
268 64.3 52.3 78.5

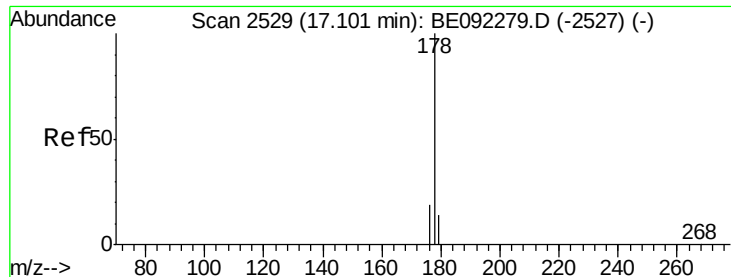


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.49 ng/ul

RT: 17.10 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

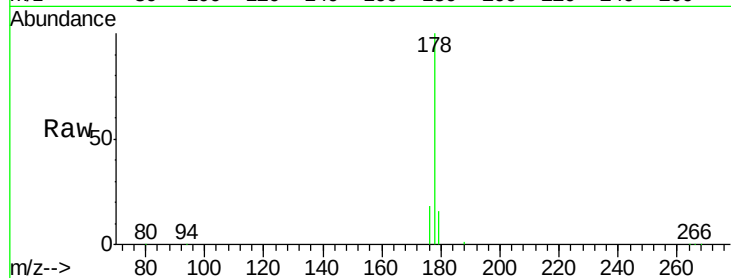
Tgt Ion:178 Resp: 141340

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

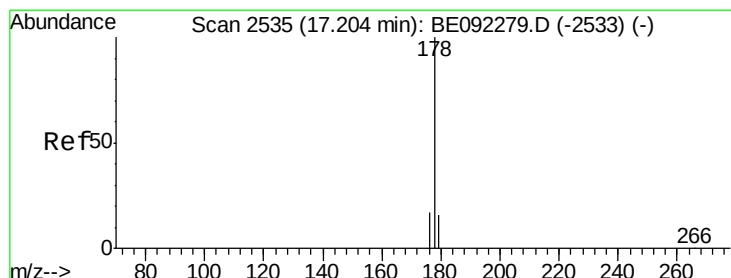
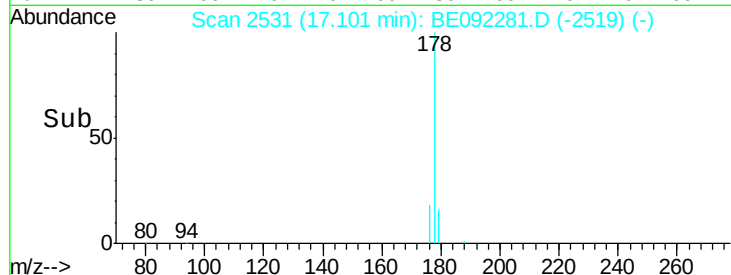
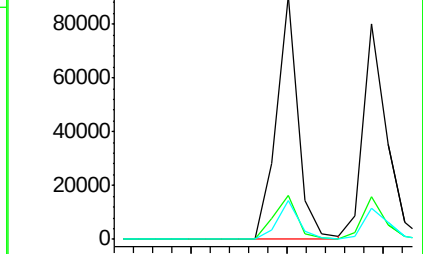
179 16.1 11.9 17.9



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: 1.54 ng/ul

RT: 17.19 min Scan# 2536

Delta R.T. -0.02 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

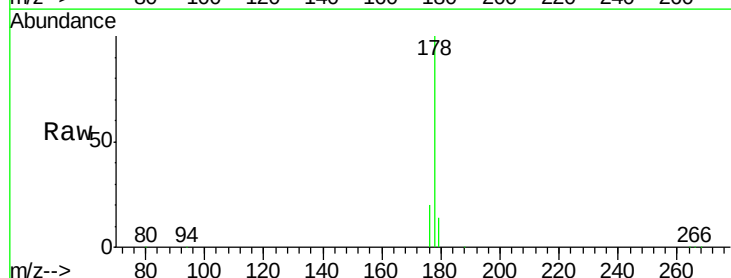
Tgt Ion:178 Resp: 138259

Ion Ratio Lower Upper

178 100

176 20.0 14.0 21.0

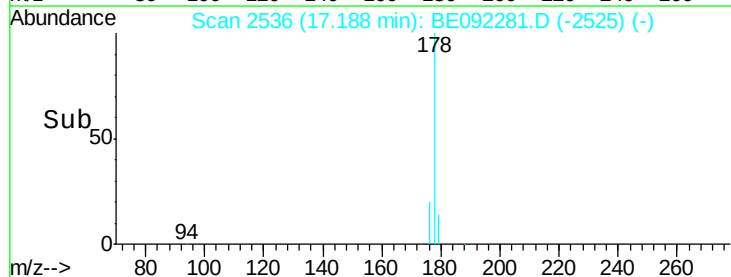
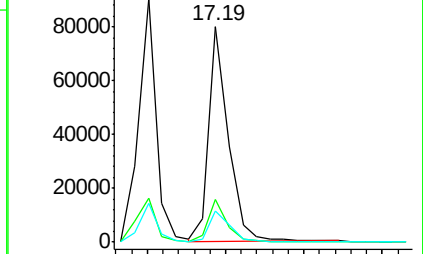
179 14.3 13.6 20.4

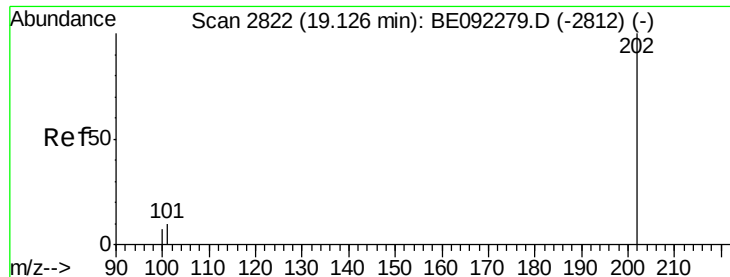


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

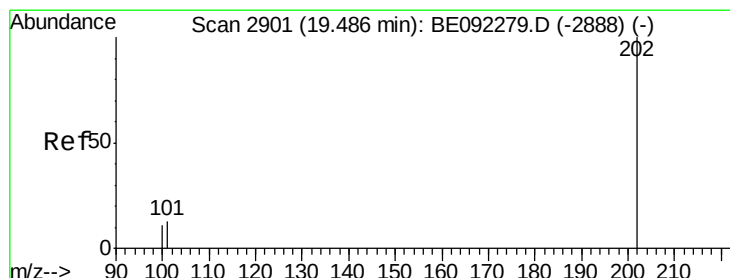
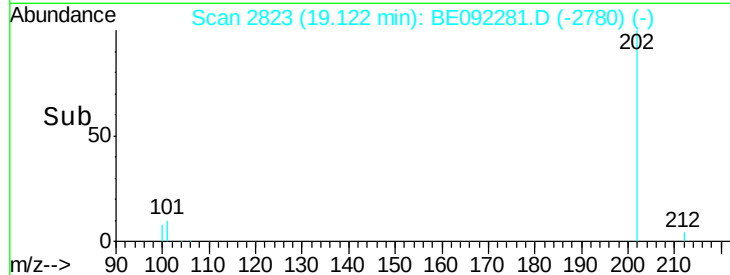
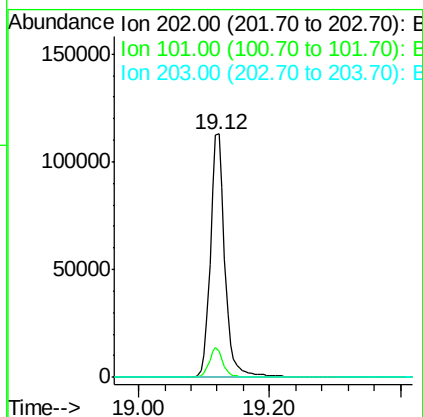
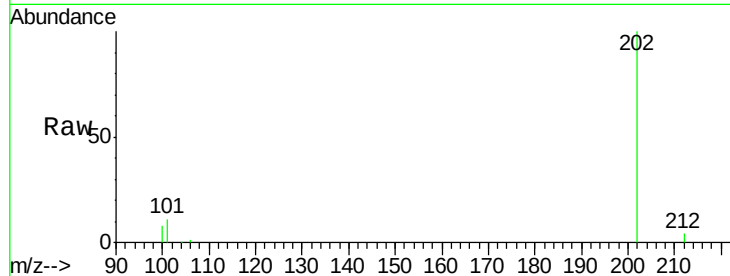




#15
Fluoranthene
 Concen: 1.55 ng/ul
 RT: 19.12 min Scan# 2823
 Delta R.T. -0.00 min
 Lab File: BE092281.D
 Acq: 25 Aug 2016 20:29

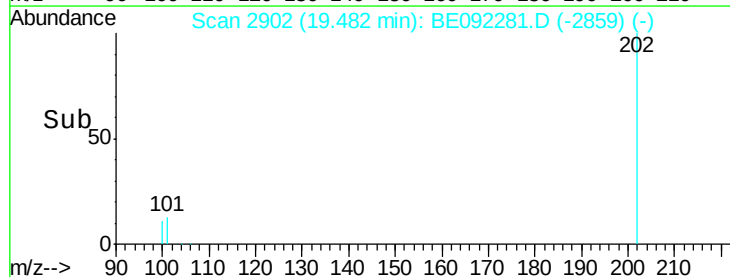
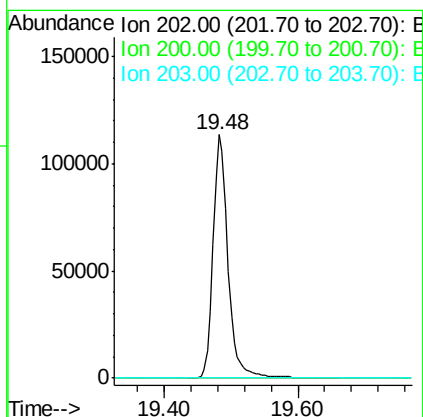
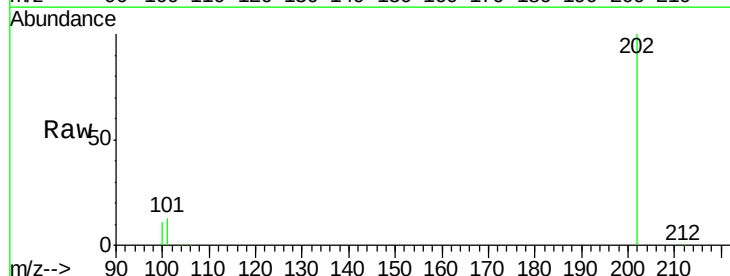
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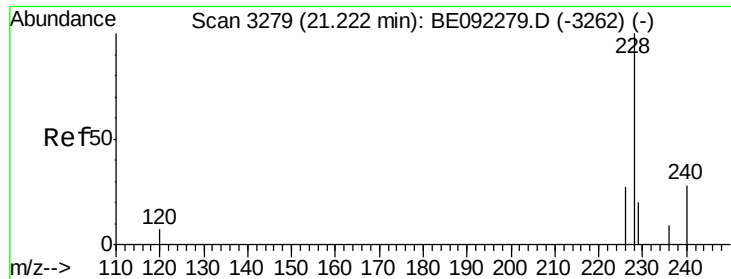
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.8
203	0.0	0.0	20.0



#17
Pyrene
 Concen: 1.31 ng/ul
 RT: 19.48 min Scan# 2902
 Delta R.T. -0.00 min
 Lab File: BE092281.D
 Acq: 25 Aug 2016 20:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	0.0	0.0	0.0





#18

Benzo(a)anthracene

Concen: 1.34 ng/ul

RT: 21.22 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

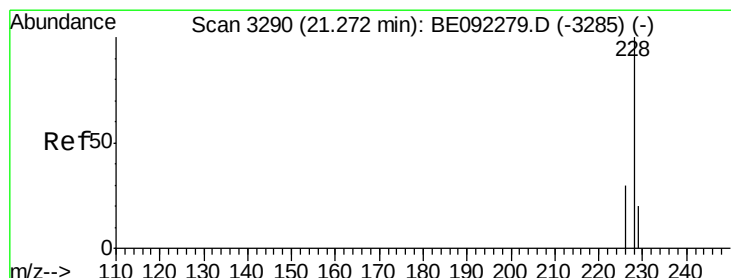
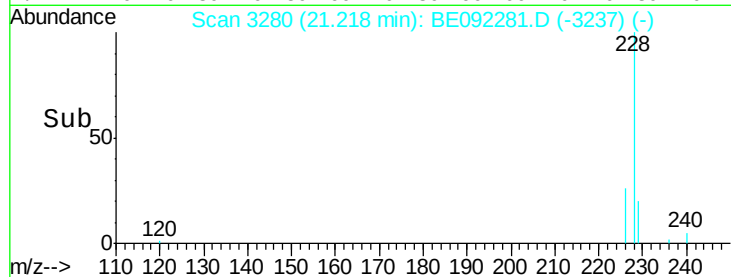
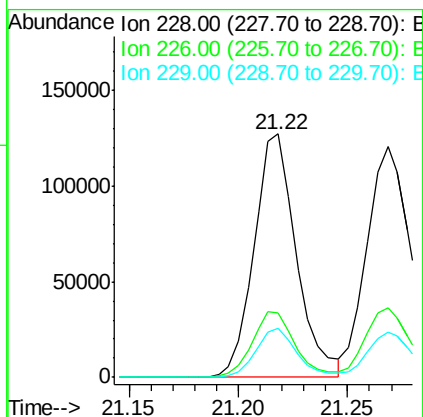
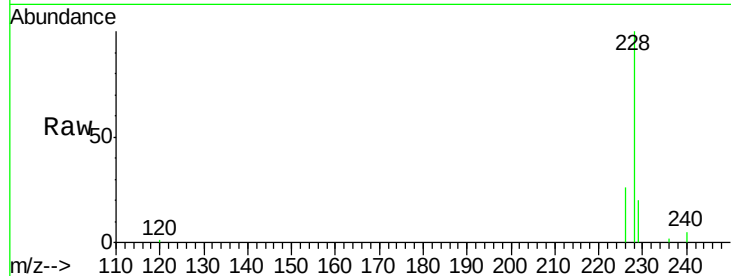
Tgt Ion:228 Resp: 170973

Ion Ratio Lower Upper

228 100

226 26.5 21.6 32.4

229 19.9 15.9 23.9



#19

Chrysene

Concen: 1.44 ng/ul

RT: 21.27 min Scan# 3291

Delta R.T. -0.00 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

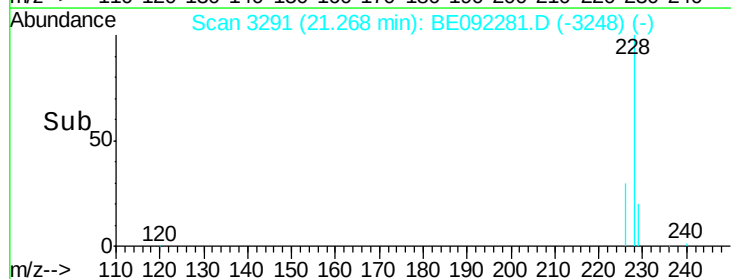
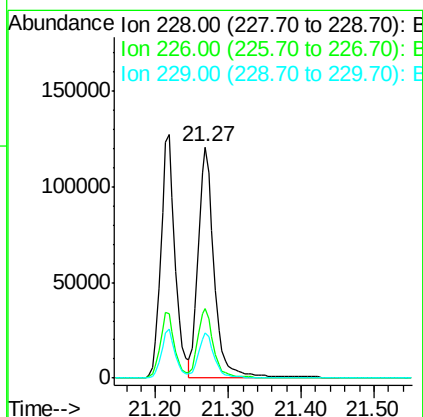
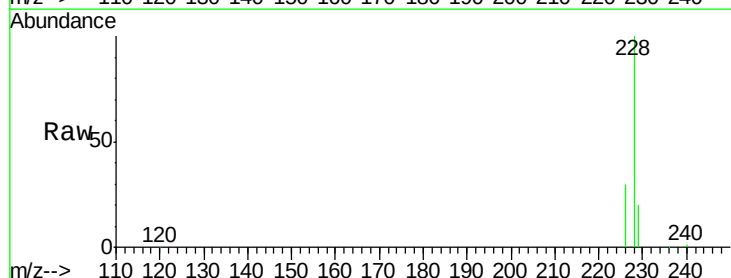
Tgt Ion:228 Resp: 181561

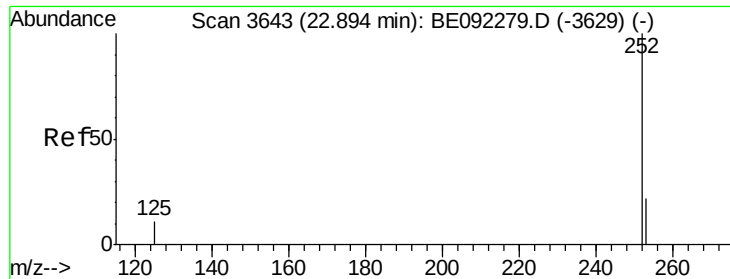
Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 19.8 16.0 24.0





#21

Benzo(b)fluoranthene

Concen: 1.32 ng/ul

RT: 22.89 min Scan# 3644

Delta R.T. -0.00 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

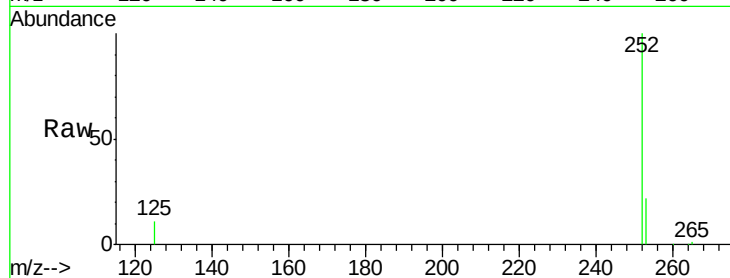
Tgt Ion:252 Resp: 170688

Ion Ratio Lower Upper

252 100

253 22.1 0.0 47.6

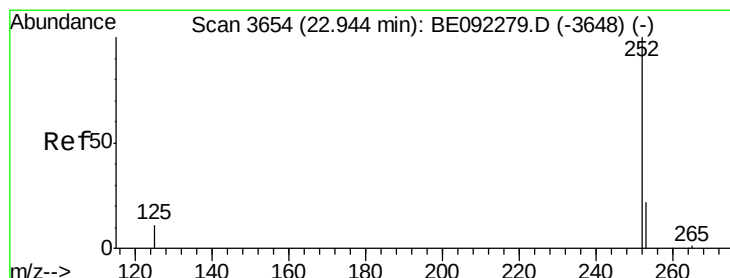
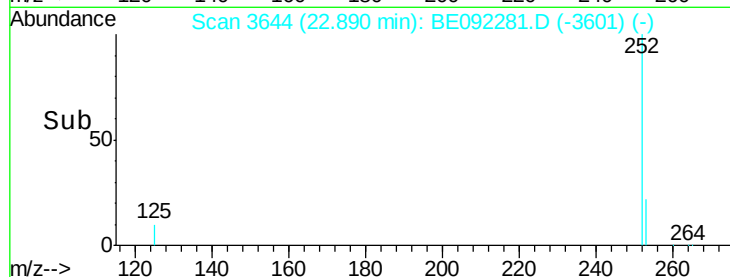
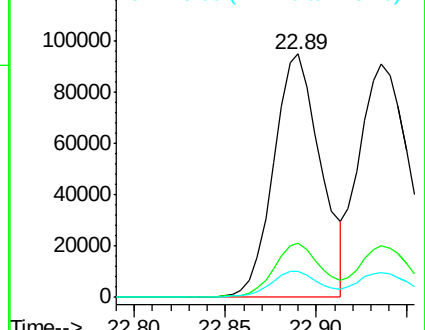
125 10.7 0.0 24.2



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: 1.68 ng/ul

RT: 22.94 min Scan# 3654

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

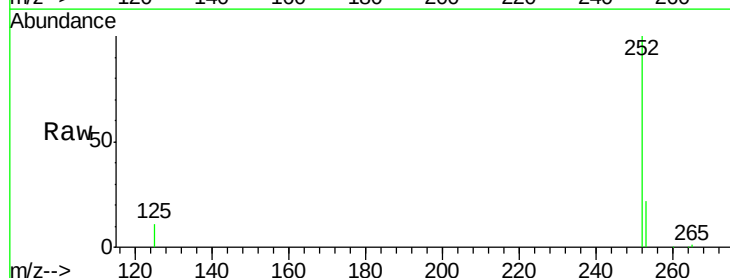
Tgt Ion:252 Resp: 190890

Ion Ratio Lower Upper

252 100

253 22.2 18.7 28.1

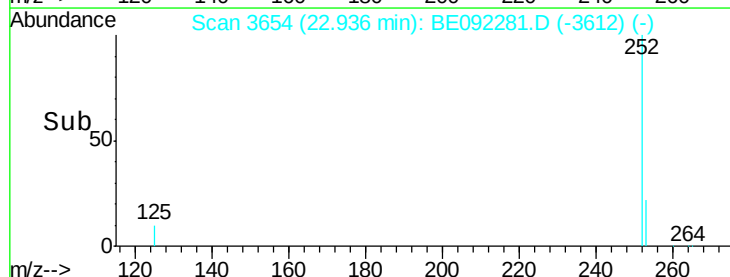
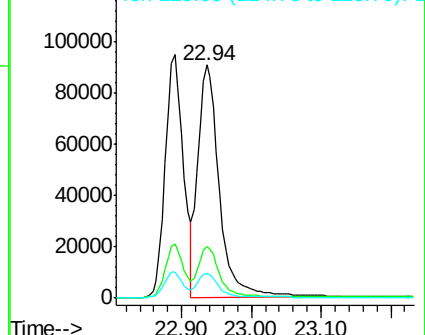
125 10.7 9.7 14.5

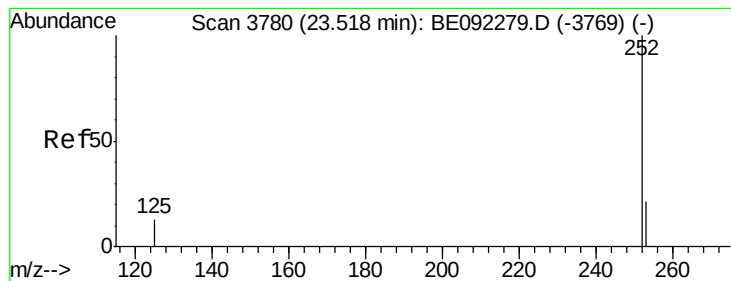


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.51 ng/ul

RT: 23.51 min Scan# 3781

Delta R.T. -0.00 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

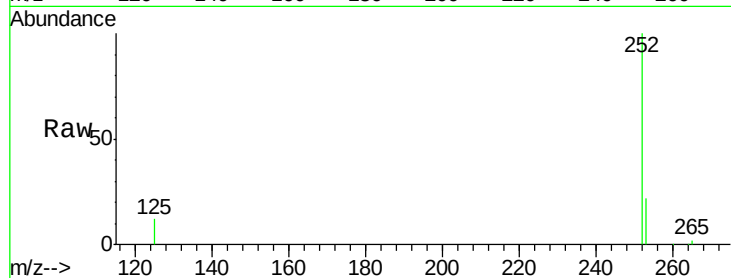
Tgt Ion:252 Resp: 172465

Ion Ratio Lower Upper

252 100

253 22.1 18.8 28.2

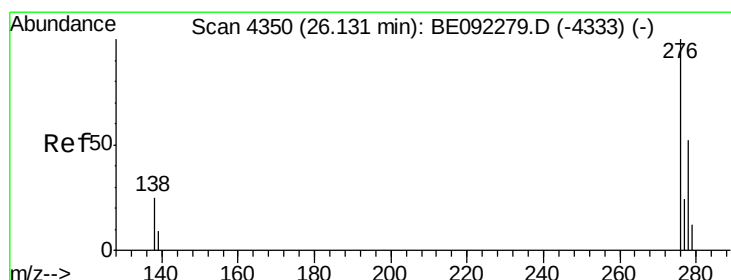
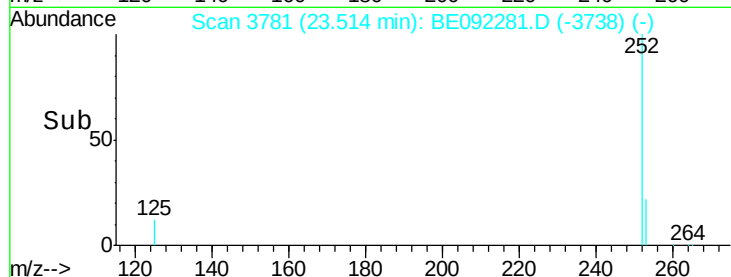
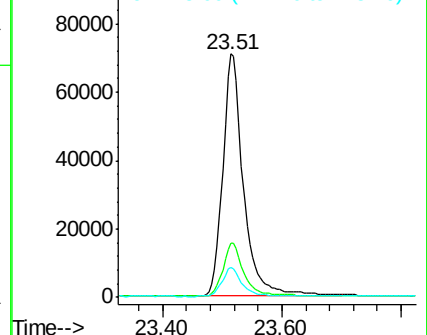
125 12.0 11.9 17.9



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: 1.40 ng/ul

RT: 26.12 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

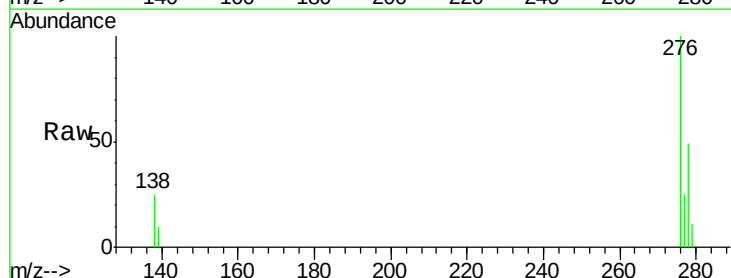
Tgt Ion:276 Resp: 194863

Ion Ratio Lower Upper

276 100

138 27.1 0.0 0.0#

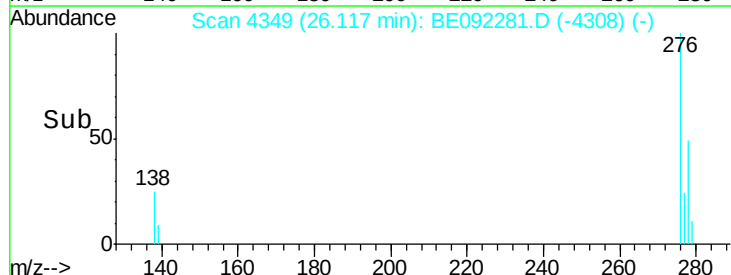
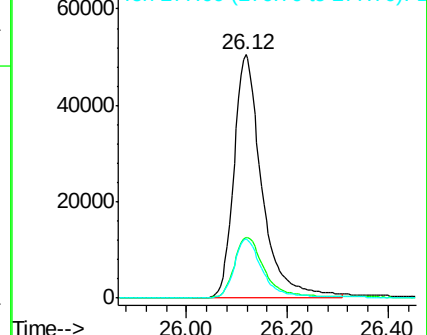
277 24.7 0.0 0.0#

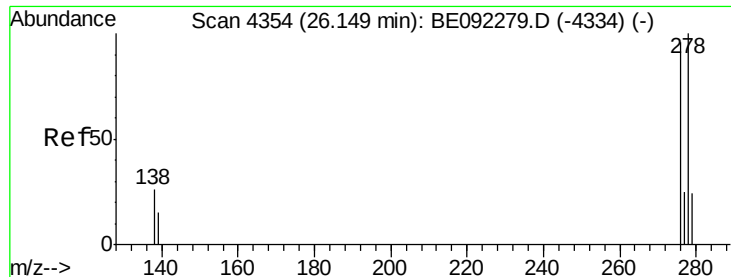


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.43 ng/ul

RT: 26.14 min Scan# 4353

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

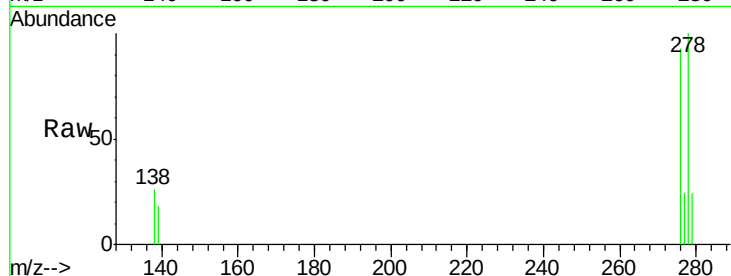
Tgt Ion: 278 Resp: 158172

Ion Ratio Lower Upper

278 100

139 17.8 14.6 22.0

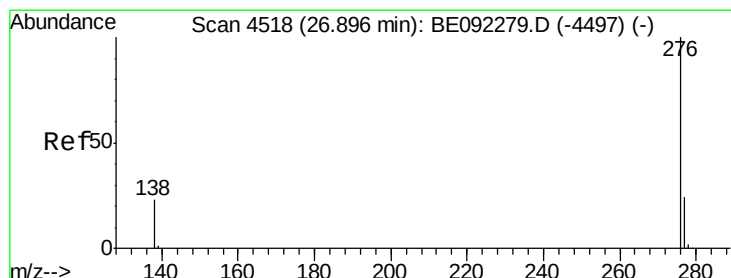
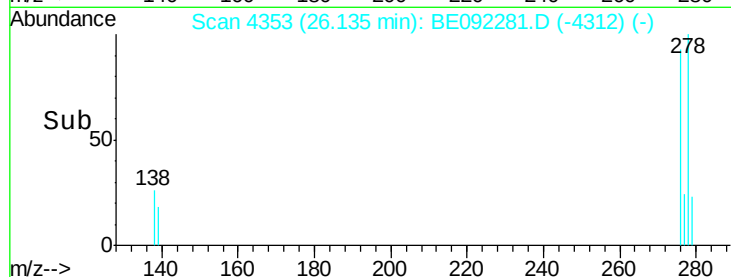
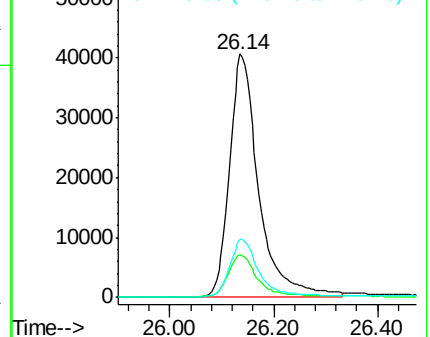
279 23.8 20.2 30.2



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: 1.41 ng/ul

RT: 26.89 min Scan# 4518

Delta R.T. -0.01 min

Lab File: BE092281.D

Acq: 25 Aug 2016 20:29

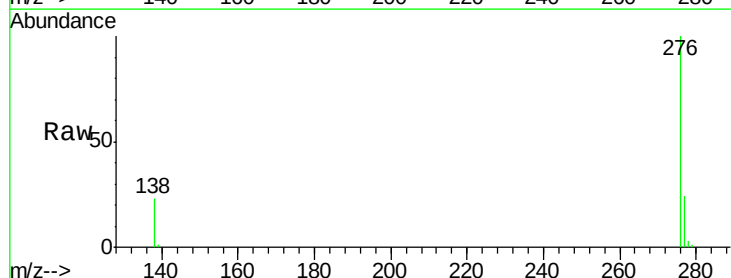
Tgt Ion: 276 Resp: 168975

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 23.1 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

