

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090276.D
 Acq On : 28 Jul 2015 19:27
 Operator : TP/IZ
 Sample : SSTDCCC0.4
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.448

Quant Time: Jul 29 04:35:26 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 04:26:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1010	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	4121	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	2357	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5363	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	3671	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2337	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2492	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	5752	0.39	ng/ul	0.00

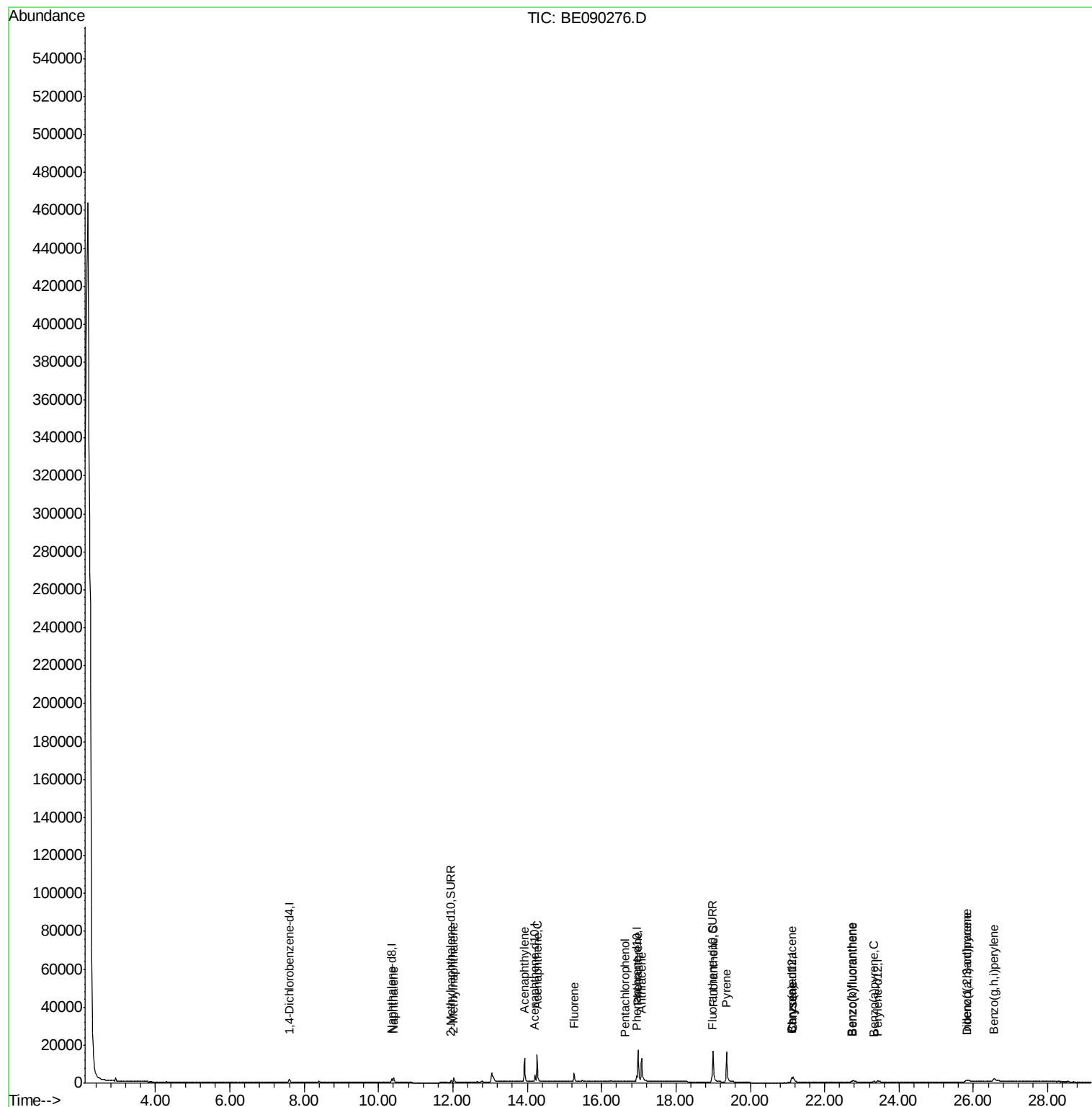
Target Compounds				Qvalue		
3) Naphthalene	10.41	128	4187	0.38	ng/ul	99
5) 2-Methylnaphthalene	12.02	142	2769	0.39	ng/ul	97
7) Acenaphthylene	13.92	152	19536	0.40	ng/ul	99
8) Acenaphthene	14.26	153	14260	0.39	ng/ul	98
9) Fluorene	15.26	166	3771	0.39	ng/ul	98
11) Pentachlorophenol	16.63	266	106	0.31	ng/ul#	85
12) Phenanthrene	16.98	178	22318	0.39	ng/ul	99
13) Anthracene	17.07	178	22675	0.39	ng/ul	100
15) Fluoranthene	19.00	202	25979	0.39	ng/ul	100
17) Pyrene	19.36	202	26475	0.39	ng/ul	100
18) Benzo(a)anthracene	21.10	228	2028	0.37	ng/ul	99
19) Chrysene	21.15	228	5614	0.35	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	1335	0.38	ng/ul	97
22) Benzo(k)fluoranthene	22.76	252	3781	0.34	ng/ul	98
23) Benzo(a)pyrene	23.32	252	1925	0.40	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.81	276	5175	0.35	ng/ul	97
25) Dibenzo(a,h)anthracene	25.85	278	464	0.26	ng/ul	97
26) Benzo(g,h,i)perylene	26.55	276	7821	0.38	ng/ul	93

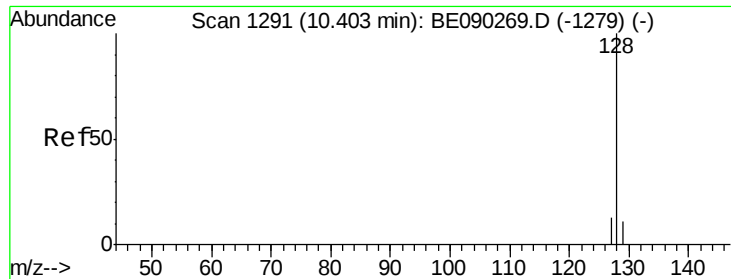
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
Data File : BE090276.D
Acq On : 28 Jul 2015 19:27
Operator : TP/IZ
Sample : SSTDCCC0.4
Misc : MDL-SIM-SOIL-0.15PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.448

Quant Time: Jul 29 04:35:26 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 04:26:58 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.38 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.448

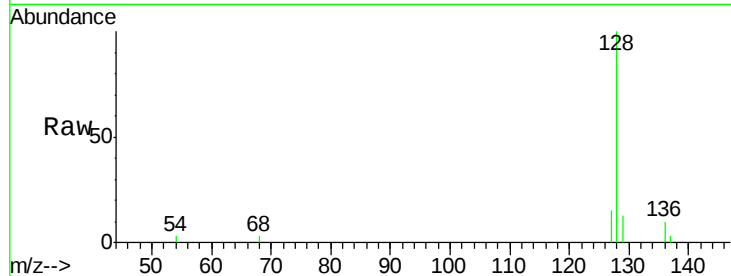
Tgt Ion:128 Resp: 4187

Ion Ratio Lower Upper

128 100

129 12.7 10.4 15.6

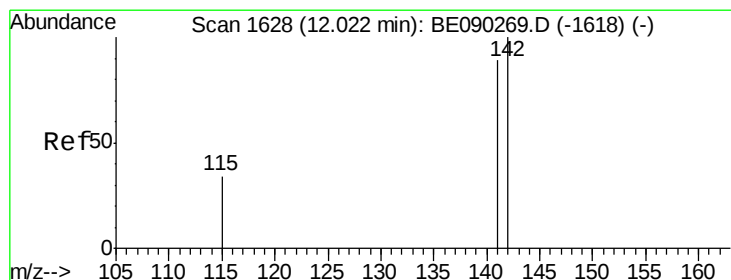
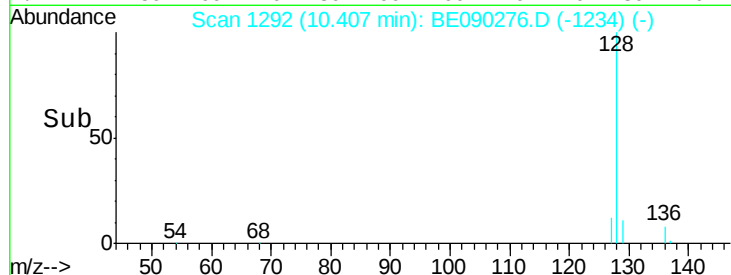
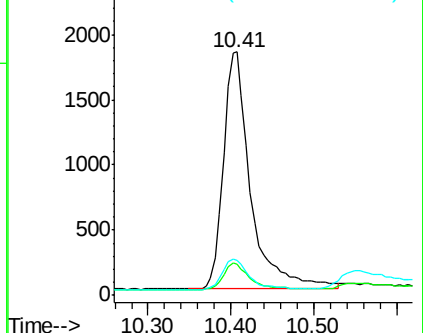
127 14.6 12.1 18.1



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: 0.39 ng/ul

RT: 12.02 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE090276.D

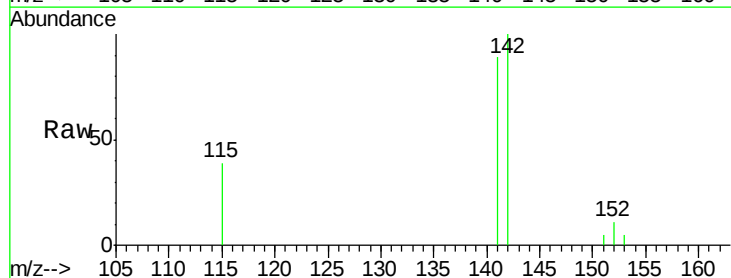
Acq: 28 Jul 2015 19:27

Tgt Ion:142 Resp: 2769

Ion Ratio Lower Upper

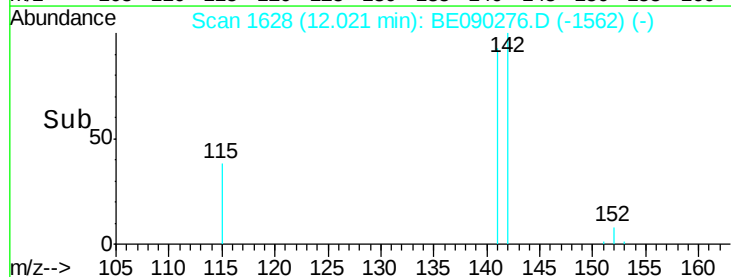
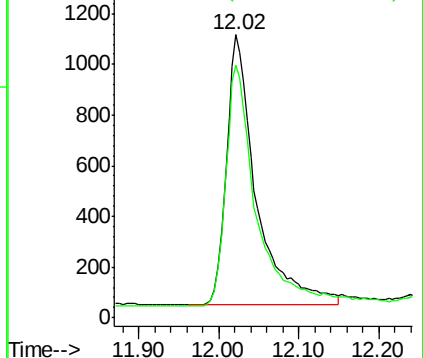
142 100

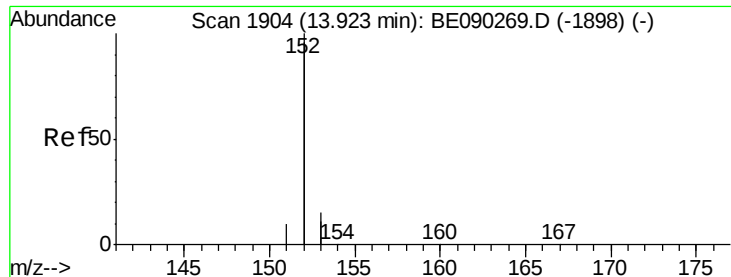
141 88.7 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.448

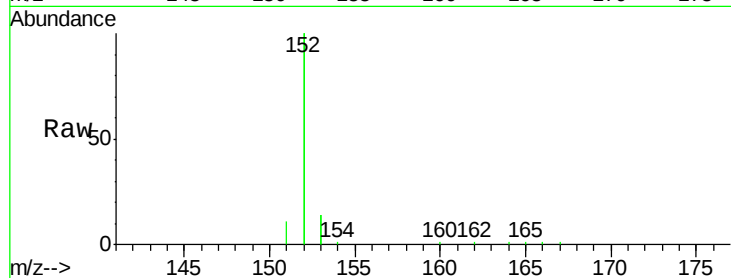
Tgt Ion:152 Resp: 19536

Ion Ratio Lower Upper

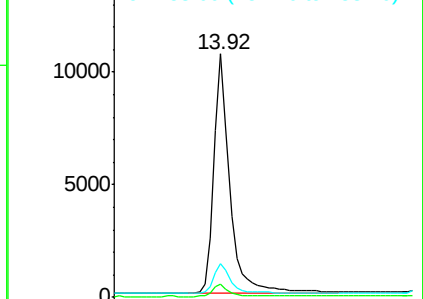
152 100

151 5.3 4.3 6.5

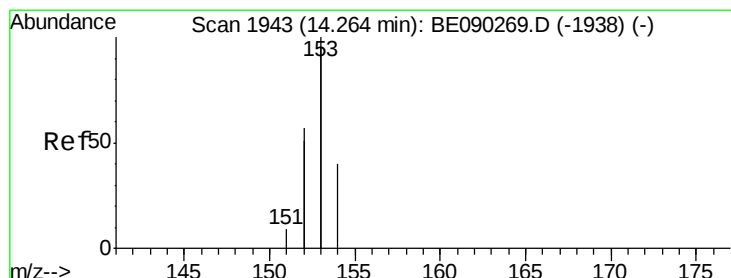
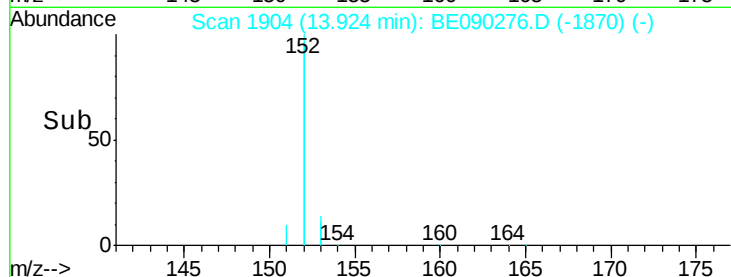
153 14.1 11.9 17.9



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



Time-->



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.26 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

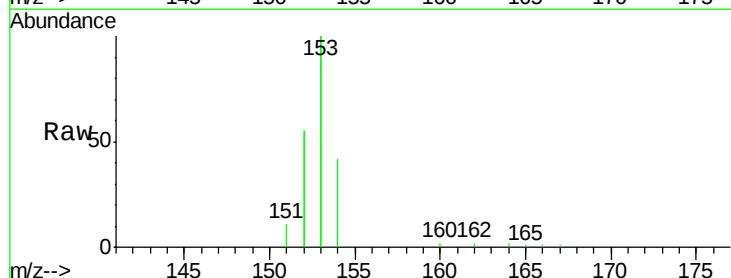
Tgt Ion:153 Resp: 14260

Ion Ratio Lower Upper

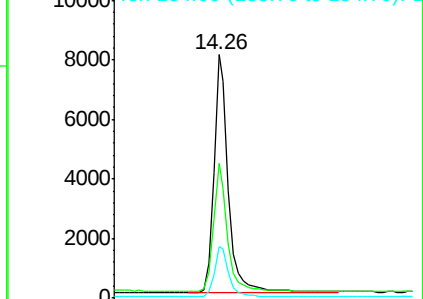
153 100

152 55.2 45.7 68.5

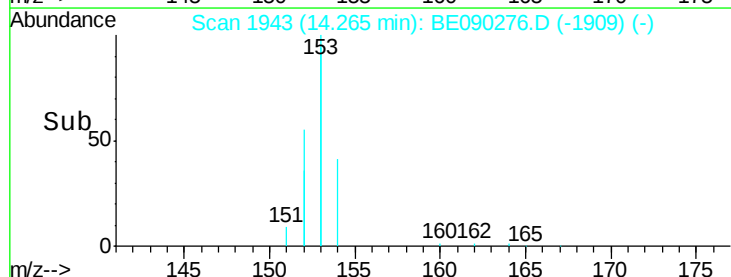
154 21.0 16.4 24.6

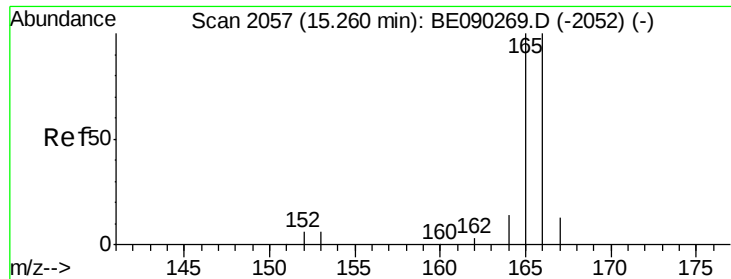


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.448

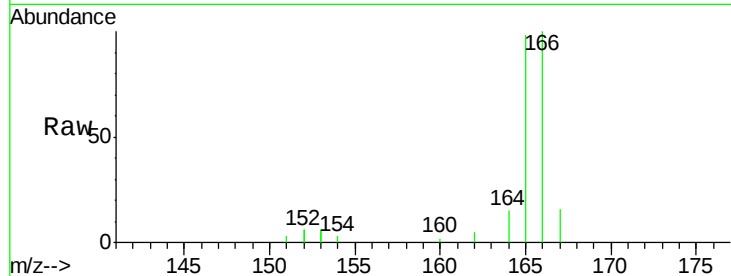
Tgt Ion:166 Resp: 3771

Ion Ratio Lower Upper

166 100

165 98.1 80.3 120.5

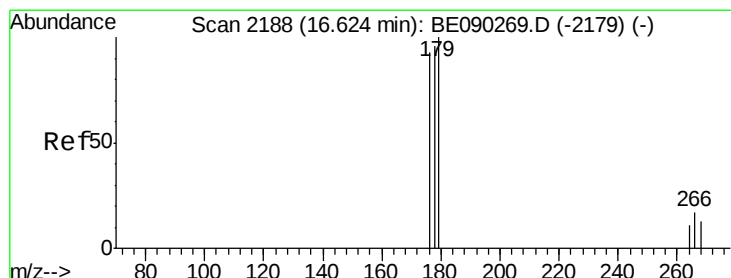
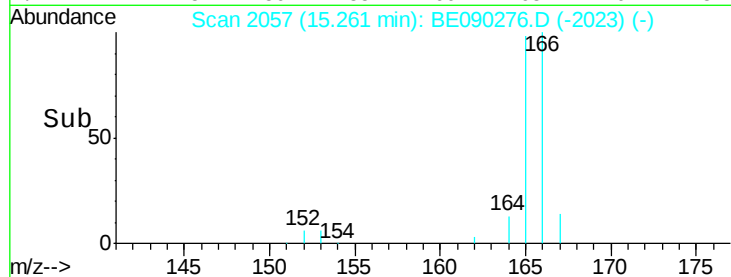
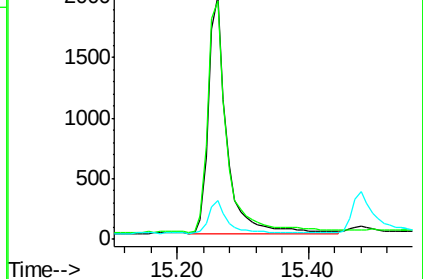
167 15.9 12.4 18.6



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: 0.31 ng/ul

RT: 16.63 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

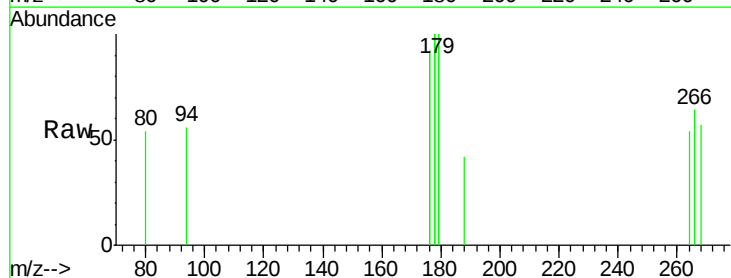
Tgt Ion:266 Resp: 106

Ion Ratio Lower Upper

266 100

264 67.0 43.4 65.0#

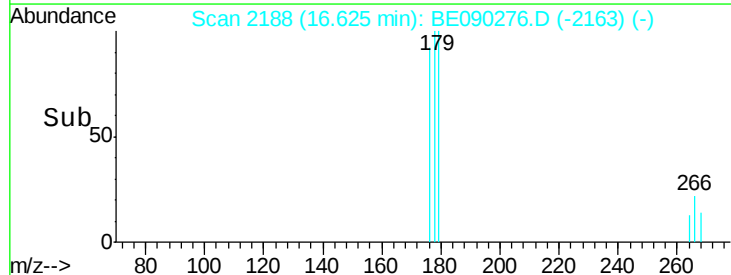
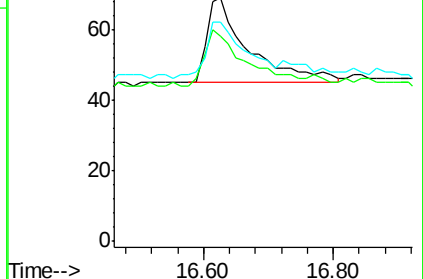
268 64.2 44.6 66.8

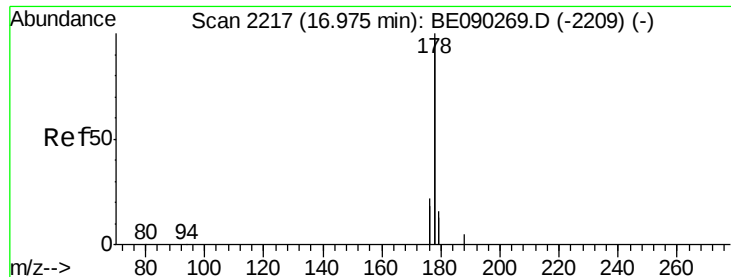


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.448

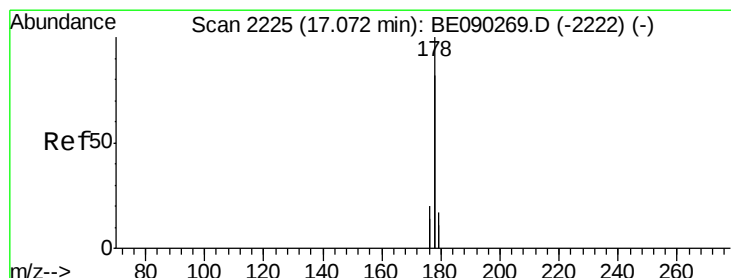
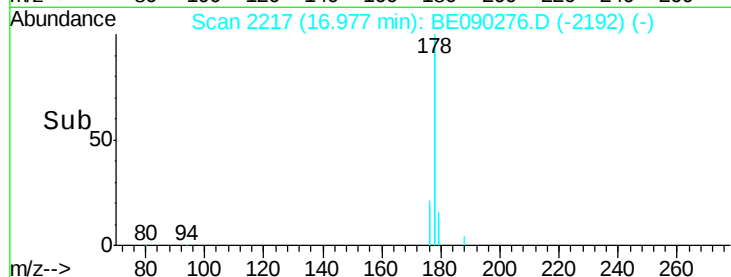
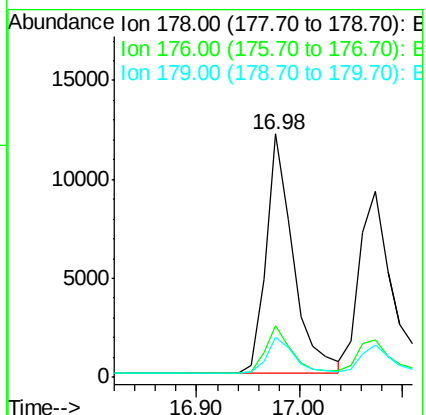
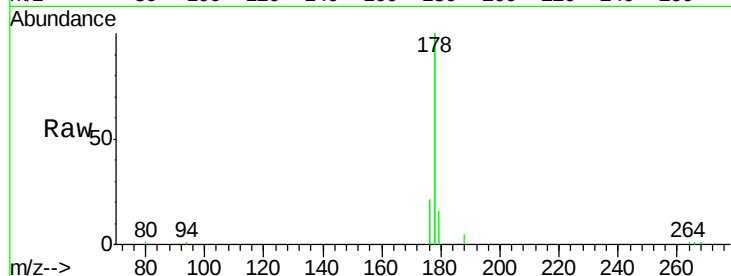
Tgt Ion:178 Resp: 22318

Ion Ratio Lower Upper

178 100

176 21.0 17.3 25.9

179 16.2 13.1 19.7



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

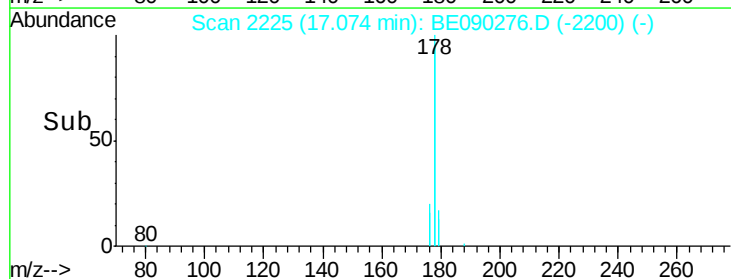
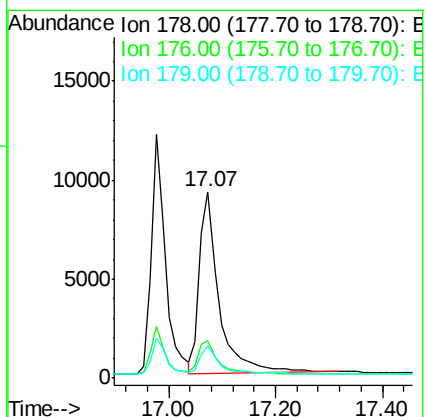
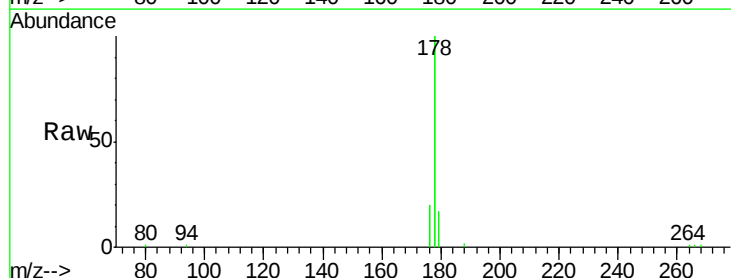
Tgt Ion:178 Resp: 22675

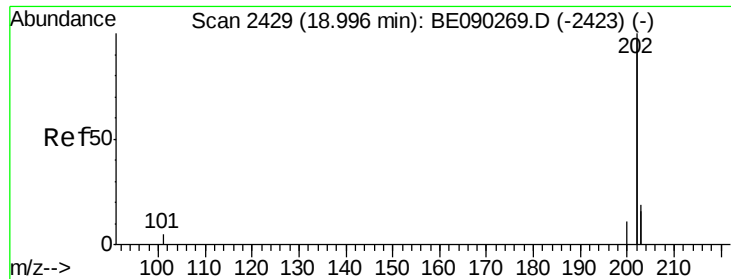
Ion Ratio Lower Upper

178 100

176 20.3 16.4 24.6

179 17.5 13.9 20.9

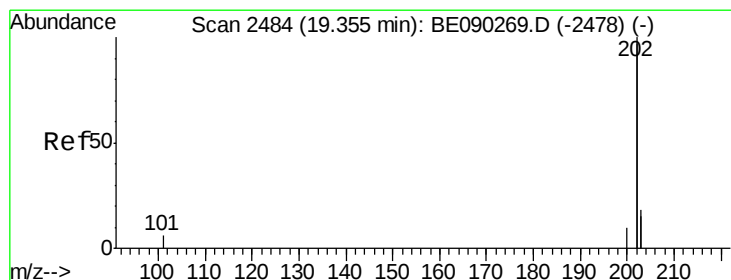
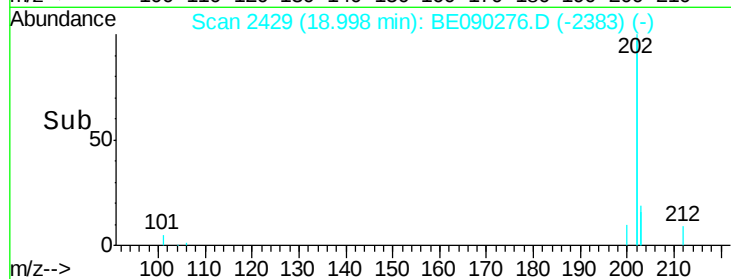
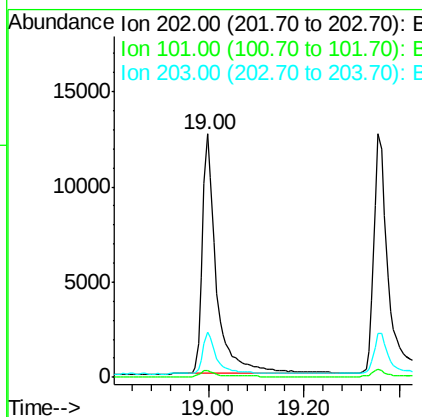
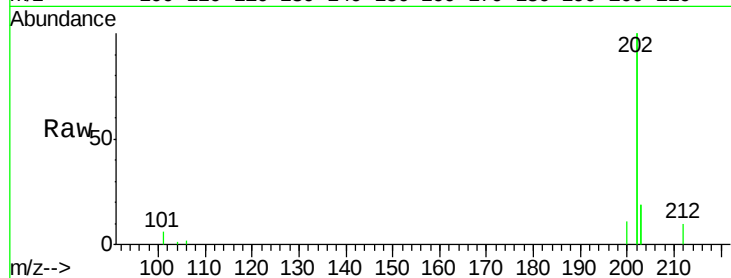




#15
Fluoranthene
 Concen: 0.39 ng/ul
 RT: 19.00 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: BE090276.D
 Acq: 28 Jul 2015 19:27

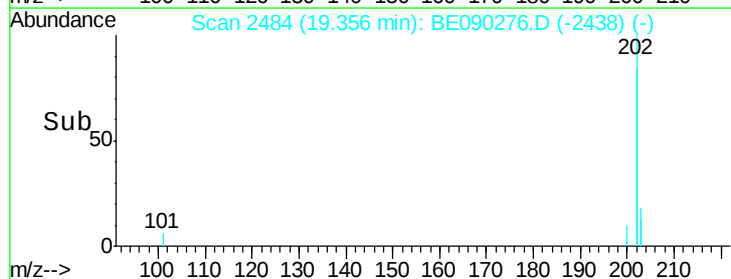
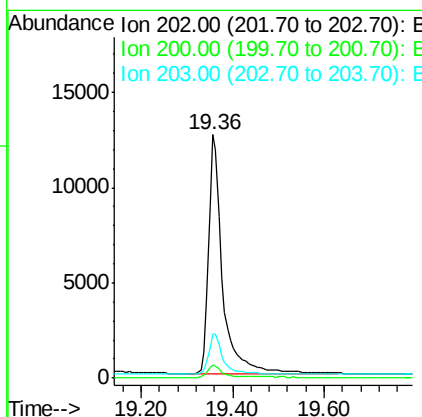
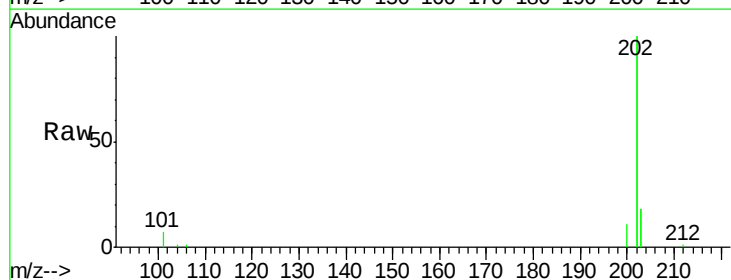
Instrument :
 BNA_E
 ClientSampleId :
 SST0.448

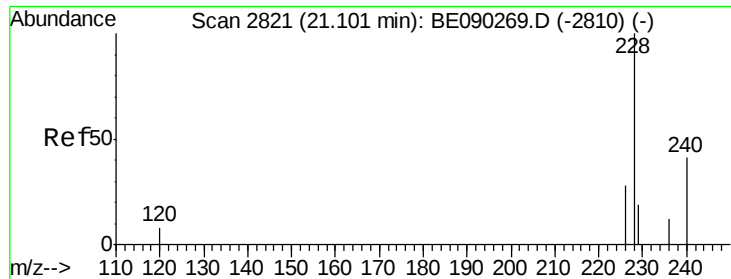
Tgt Ion:202 Resp: 25979
 Ion Ratio Lower Upper
 202 100
 101 2.8 0.0 22.9
 203 18.8 0.0 39.0



#17
Pyrene
 Concen: 0.39 ng/ul
 RT: 19.36 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BE090276.D
 Acq: 28 Jul 2015 19:27

Tgt Ion:202 Resp: 26475
 Ion Ratio Lower Upper
 202 100
 200 5.6 4.5 6.7
 203 18.1 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.448

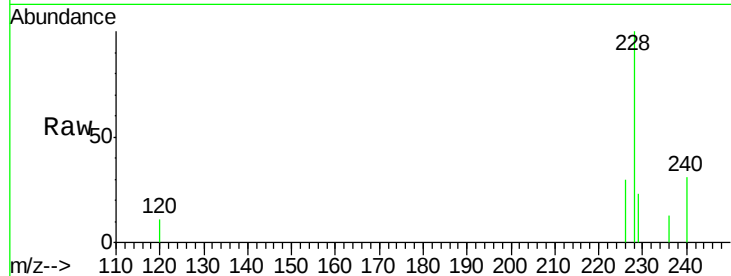
Tgt Ion:228 Resp: 2028

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

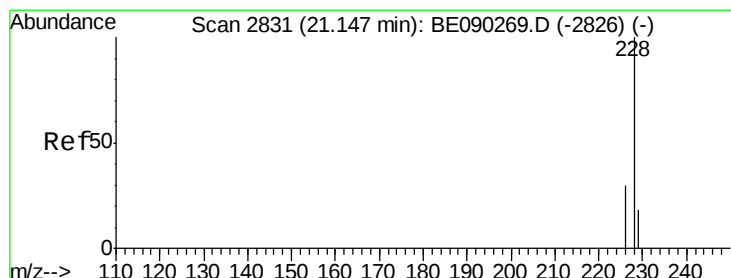
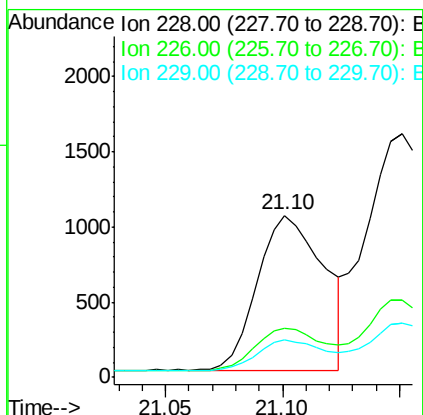
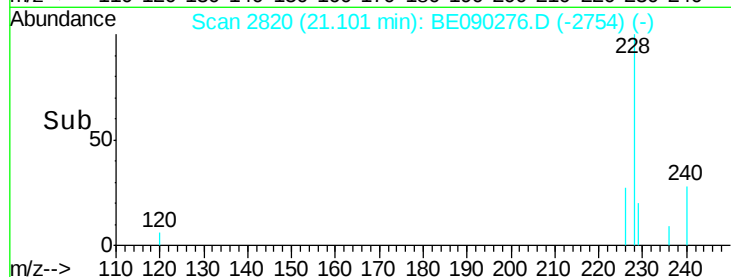
229 23.4 17.9 26.9



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



#19

Chrysene

Concen: 0.35 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

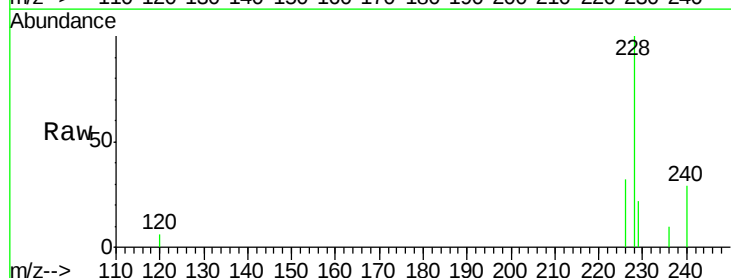
Tgt Ion:228 Resp: 5614

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.4

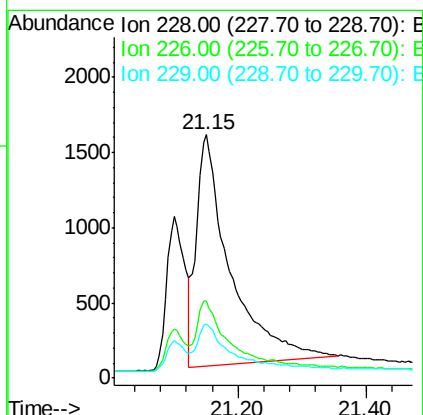
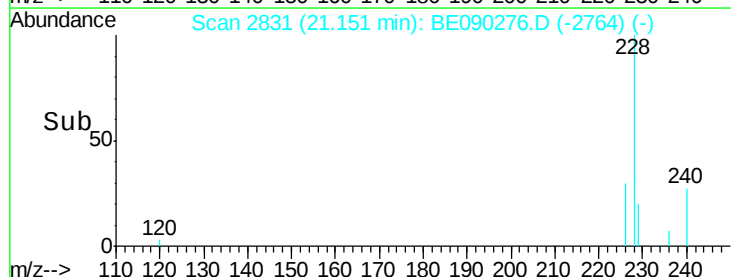
229 22.1 16.6 24.8

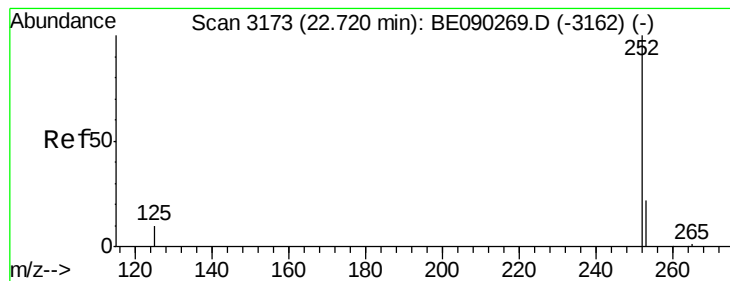


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.448

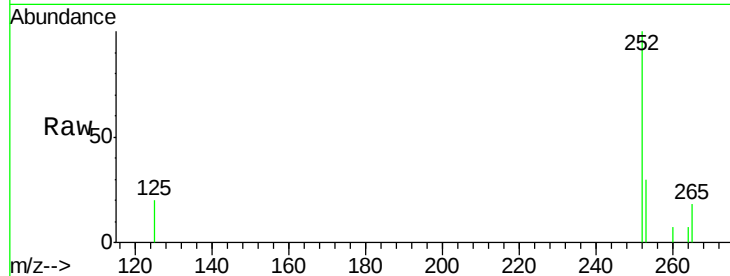
Tgt Ion:252 Resp: 1335

Ion Ratio Lower Upper

252 100

253 29.6 0.0 57.2

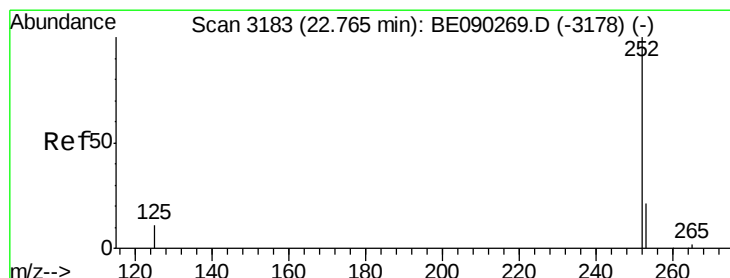
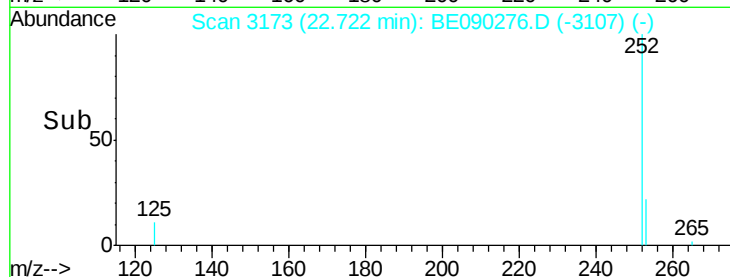
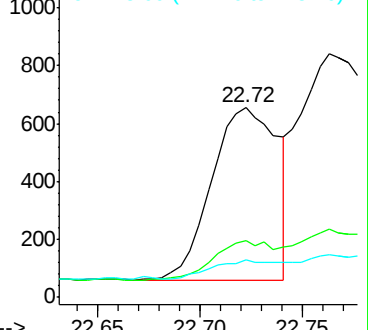
125 19.5 0.0 34.6



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: 0.34 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

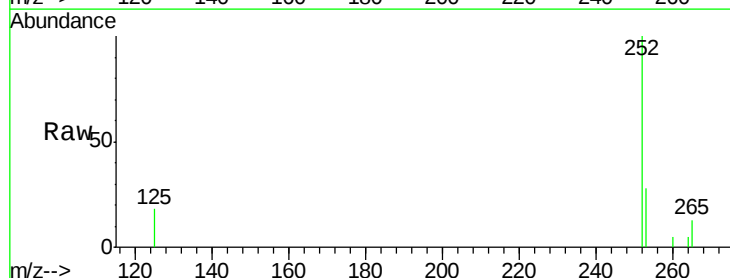
Tgt Ion:252 Resp: 3781

Ion Ratio Lower Upper

252 100

253 27.8 21.3 31.9

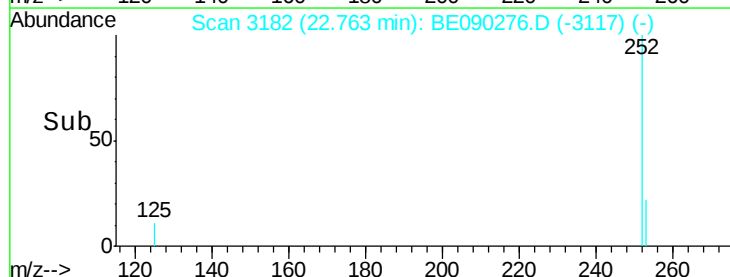
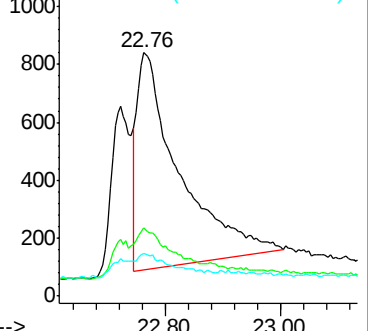
125 17.7 13.3 19.9

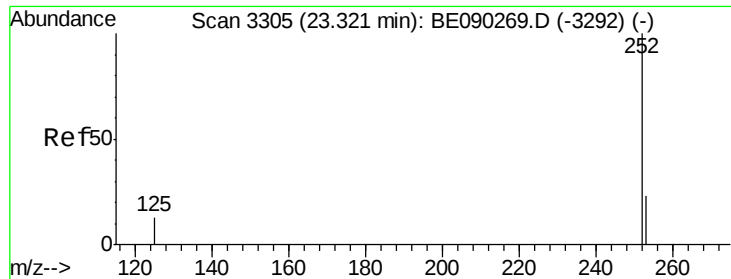


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

Instrument :

BNA_E

ClientSampleId :

SSTD0.448

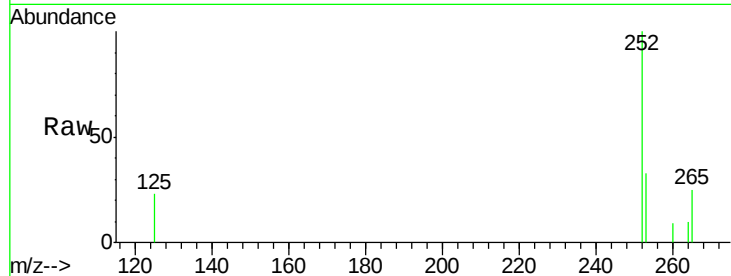
Tgt Ion:252 Resp: 1925

Ion Ratio Lower Upper

252 100

253 32.6 24.9 37.3

125 22.8 17.5 26.3



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

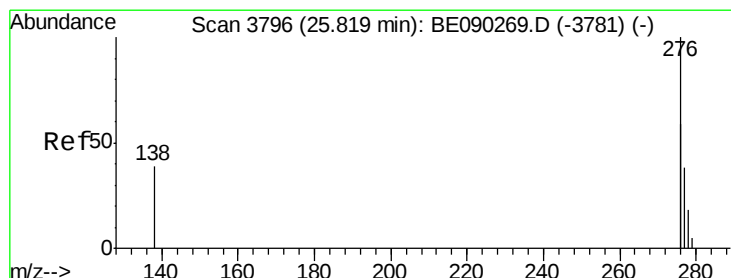
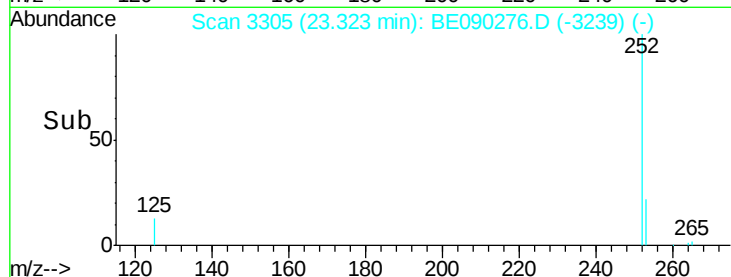
23.32

400

200

0

Time--> 23.20 23.30 23.40 23.50



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.35 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BE090276.D

Acq: 28 Jul 2015 19:27

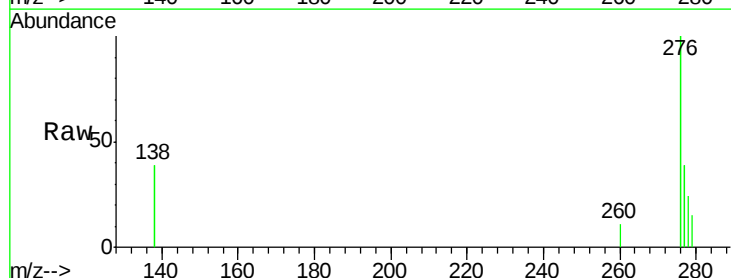
Tgt Ion:276 Resp: 5175

Ion Ratio Lower Upper

276 100

138 15.9 13.5 20.3

277 19.1 16.4 24.6



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

25.81

1000

800

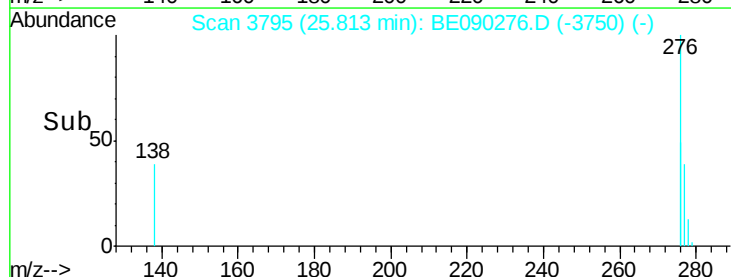
600

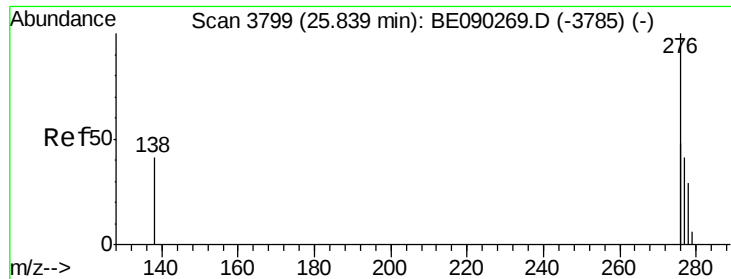
400

200

0

Time--> 25.60 25.80 26.00

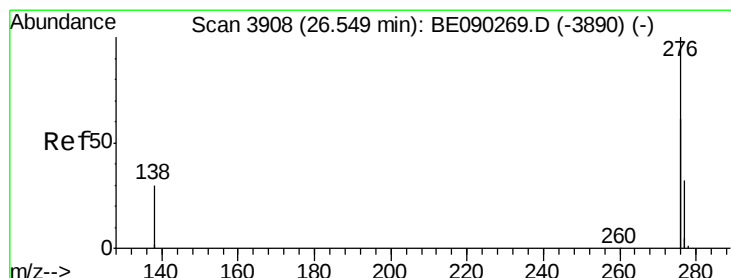
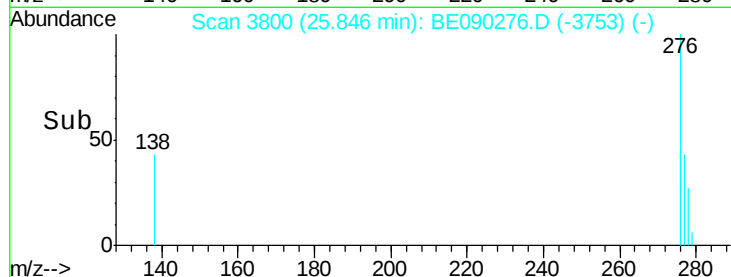
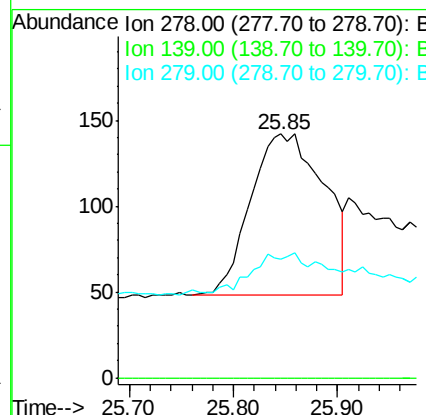
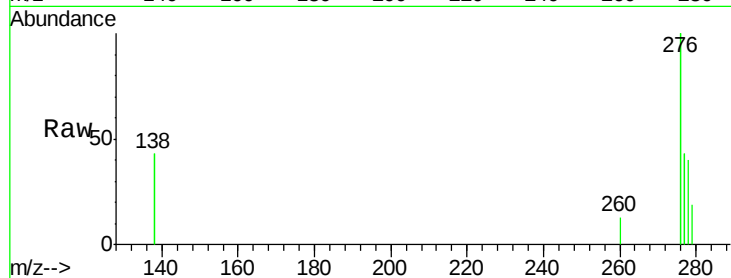




#25
Dibenzo(a,h)anthracene
Concen: 0.26 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.01 min
Lab File: BE090276.D
Acq: 28 Jul 2015 19:27

Instrument :
BNA_E
ClientSampleId :
SSTD0.448

Tgt Ion: 278 Resp: 464
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 48.6 37.4 56.0



#26
Benzo(g,h,i)perylene
Concen: 0.38 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE090276.D
Acq: 28 Jul 2015 19:27

Tgt Ion: 276 Resp: 7821
Ion Ratio Lower Upper
276 100
277 34.7 25.5 38.3
138 35.1 23.9 35.9

