

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072915\
 Data File : BE090290.D
 Acq On : 29 Jul 2015 20:57
 Operator : TP/IZ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.450

Quant Time: Jul 30 01:57:32 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 : Thu Jul 30 01:55:31 2015
 Response via : Initial Calibration

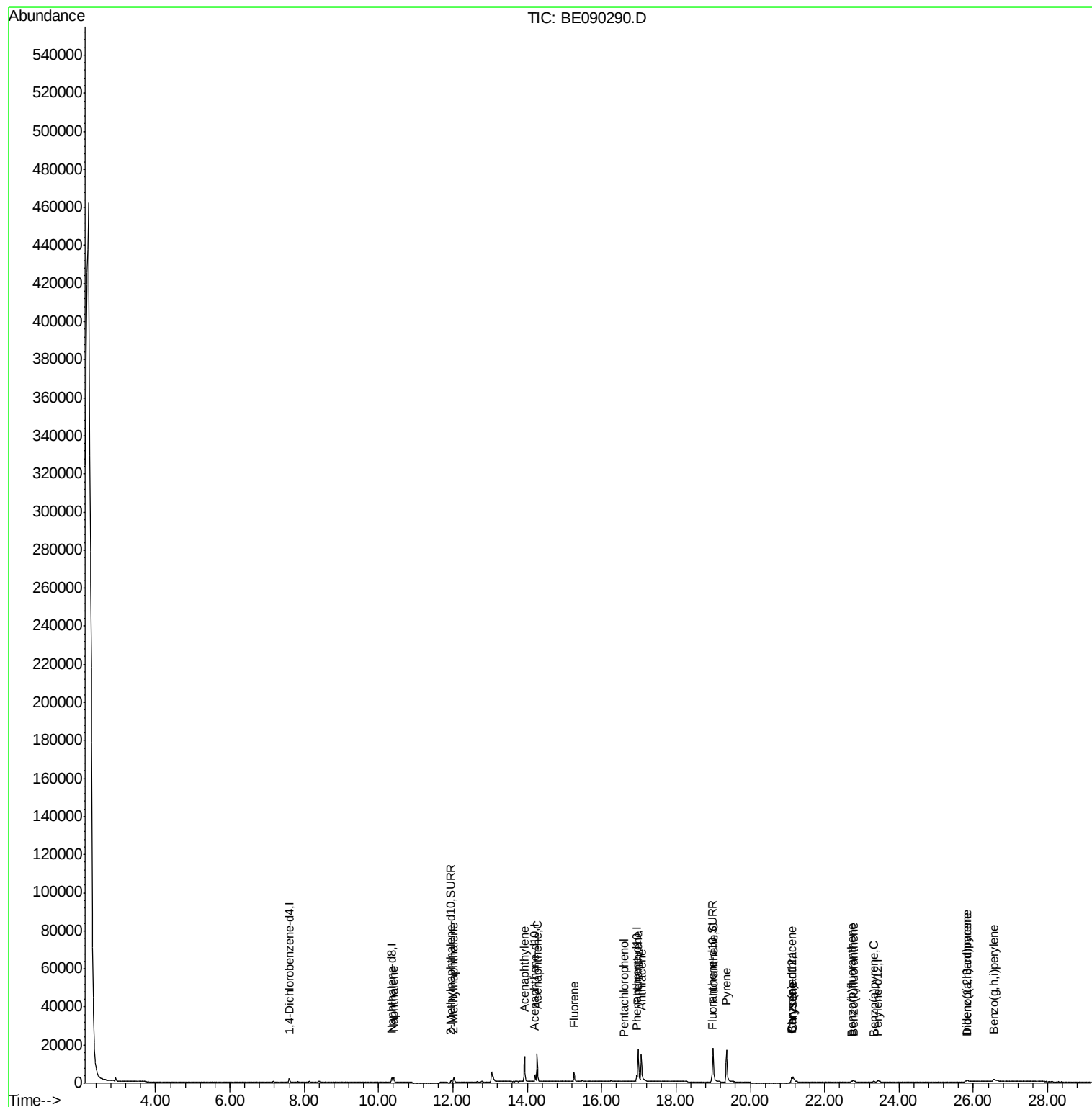
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1023	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4336	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	2465	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5522	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3787	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2448	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2687	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	6104	0.40	ng/ul	0.00
Target Compounds						Ovalue
3) Naphthalene	10.40	128	4537	0.40	ng/ul	99
5) 2-Methylnaphthalene	12.02	142	3008	0.41	ng/ul	100
7) Acenaphthylene	13.92	152	20623	0.40	ng/ul	99
8) Acenaphthene	14.26	153	14679	0.39	ng/ul	100
9) Fluorene	15.26	166	3924	0.38	ng/ul	99
11) Pentachlorophenol	16.61	266	110	0.31	ng/ul#	82
12) Phenanthrene	16.98	178	23501	0.40	ng/ul	100
13) Anthracene	17.07	178	23907	0.40	ng/ul	99
15) Fluoranthene	19.00	202	27288	0.39	ng/ul	99
17) Pyrene	19.36	202	28200	0.40	ng/ul	99
18) Benzo(a)anthracene	21.10	228	2023	0.36	ng/ul	99
19) Chrysene	21.15	228	6084	0.37	ng/ul	99
21) Benzo(b)fluoranthene	22.72	252	1033	0.28	ng/ul	97
22) Benzo(k)fluoranthene	22.77	252	3610	0.31	ng/ul	98
23) Benzo(a)pyrene	23.32	252	1533	0.31	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.82	276	3900	0.25	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.84	278	507	0.28	ng/ul	90
26) Benzo(g,h,i)perylene	26.55	276	7390	0.34	ng/ul	91

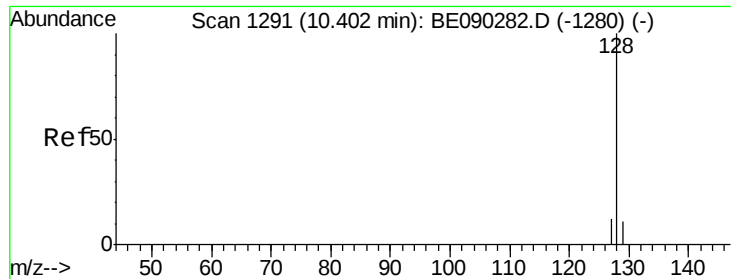
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BE090290.D
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.450

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072815.M
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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.40 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

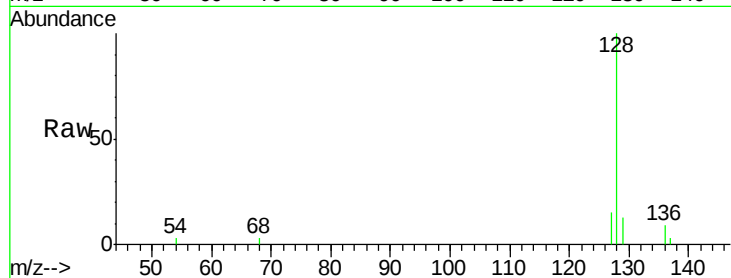
Tot Ion:128 Resp: 4537

Ion Ratio Lower Upper

128 100

129 13.0 10.4 15.6

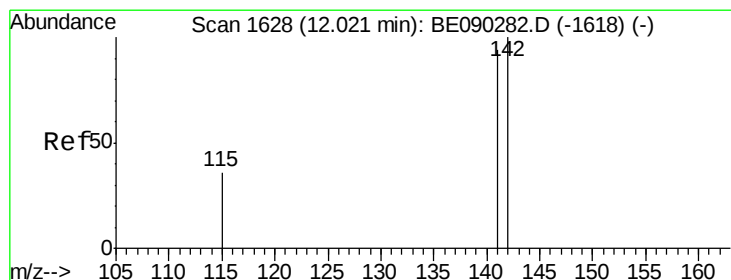
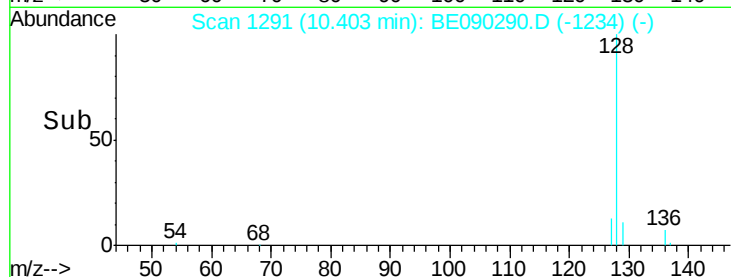
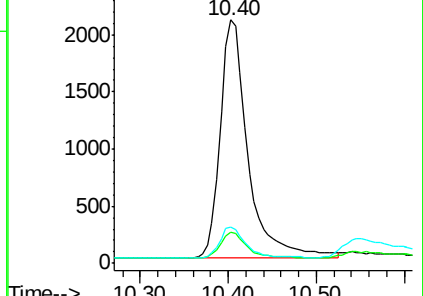
127 14.6 12.1 18.1



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: 0.41 ng/ul

RT: 12.02 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE090290.D

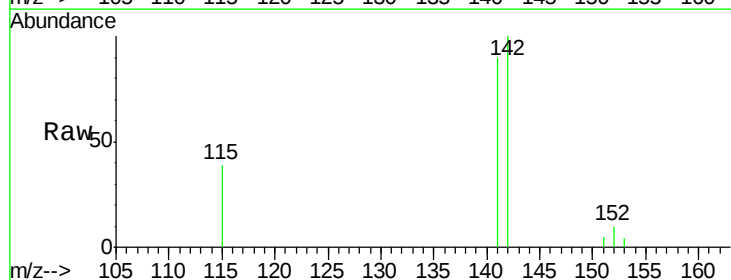
Acq: 29 Jul 2015 20:57

Tgt Ion:142 Resp: 3008

Ion Ratio Lower Upper

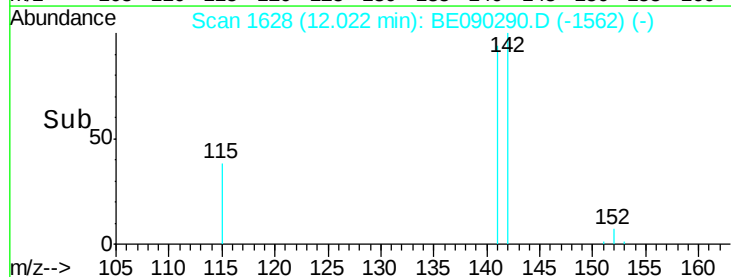
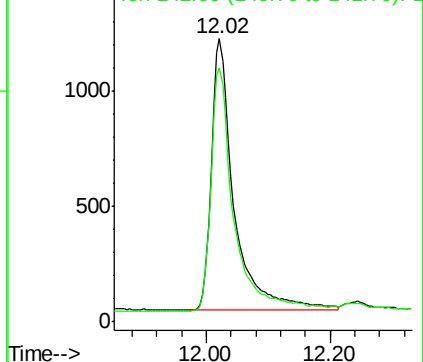
142 100

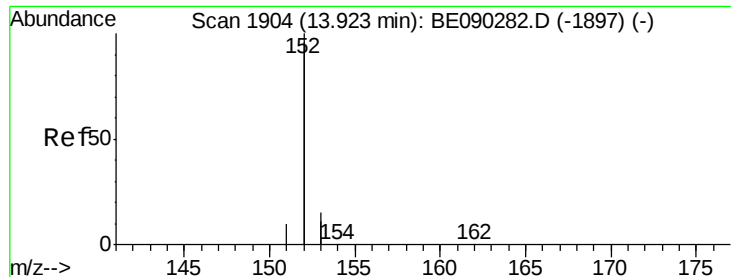
141 91.3 73.0 109.4



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: BE090290.D

Acq: 29 Jul 2015 20:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

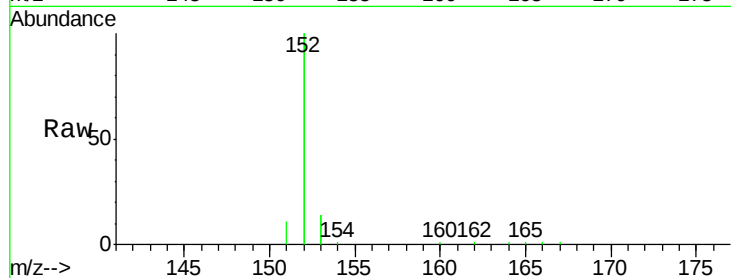
Tot Ion:152 Resp: 20623

Ion Ratio Lower Upper

152 100

151 5.3 4.3 6.5

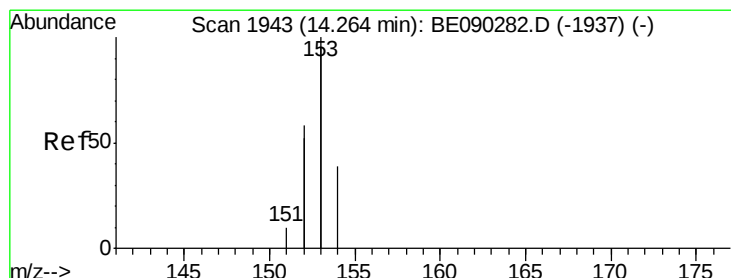
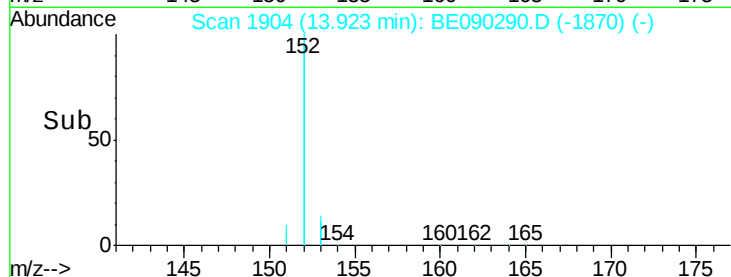
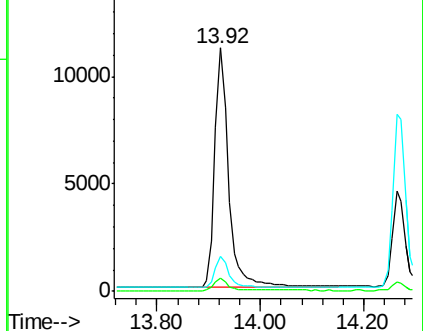
153 14.3 11.9 17.9



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



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.26 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

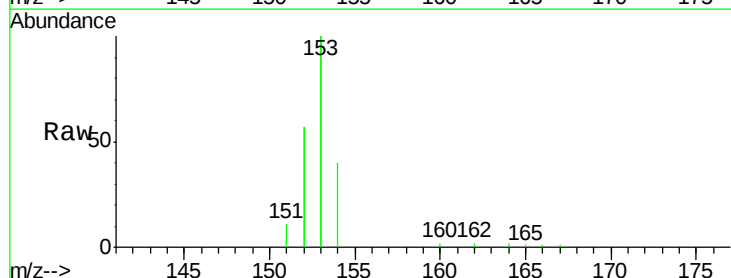
Tgt Ion:153 Resp: 14679

Ion Ratio Lower Upper

153 100

152 57.1 45.7 68.5

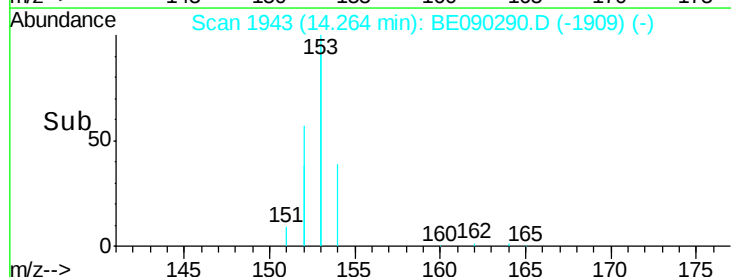
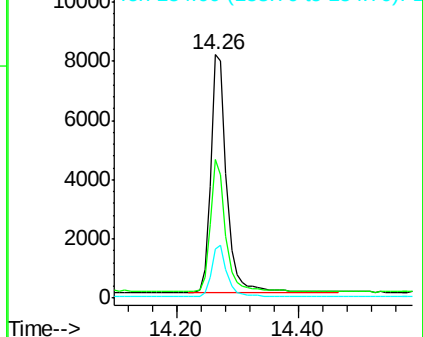
154 20.1 16.4 24.6

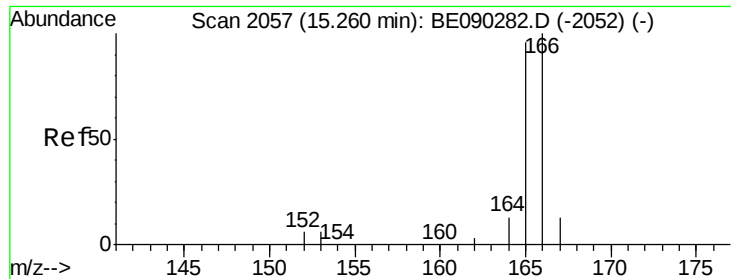


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.38 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

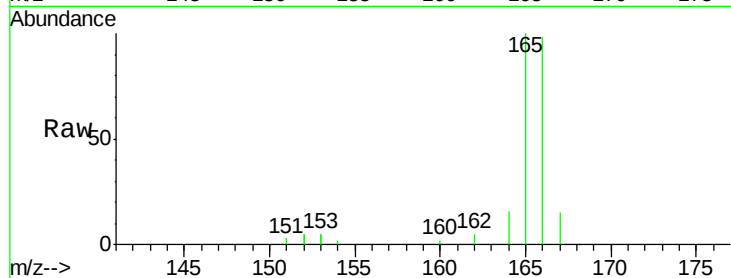
Tot Ion:166 Resp: 3924

Ion Ratio Lower Upper

166 100

165 101.8 80.3 120.5

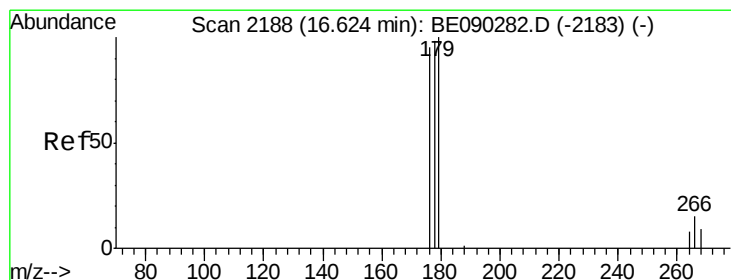
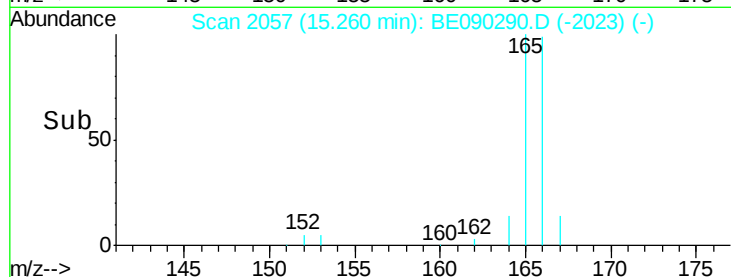
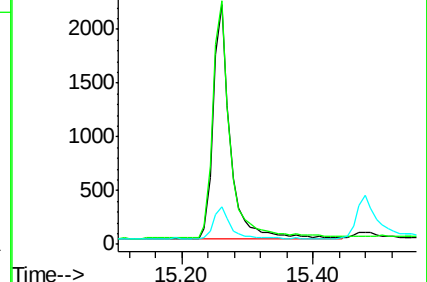
167 15.7 12.4 18.6



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: 16.61 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

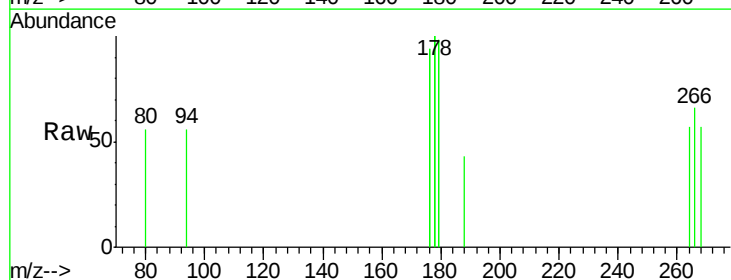
Tgt Ion:266 Resp: 110

Ion Ratio Lower Upper

266 100

264 76.4 43.4 65.0#

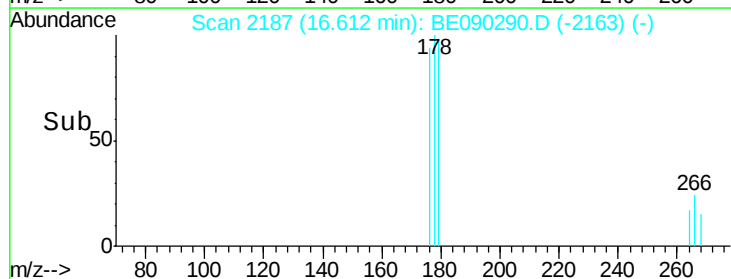
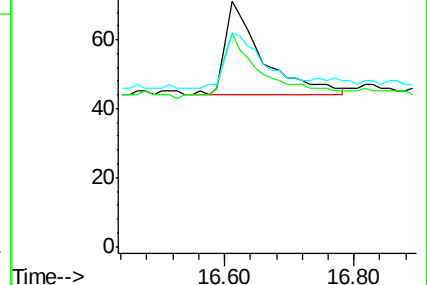
268 60.0 44.6 66.8

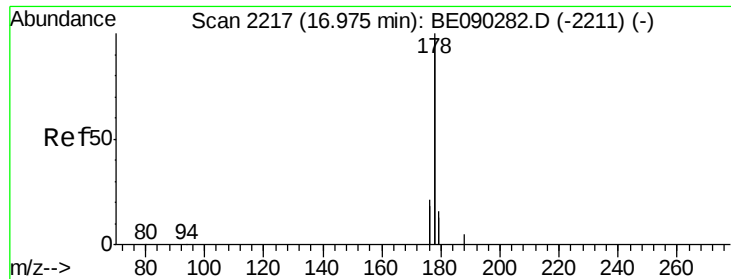


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

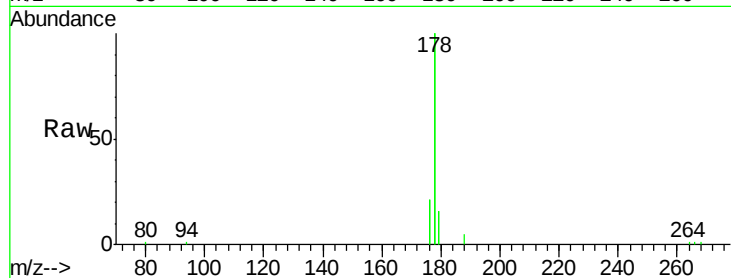
Tot Ion:178 Resp: 23501

Ion Ratio Lower Upper

178 100

176 21.3 17.3 25.9

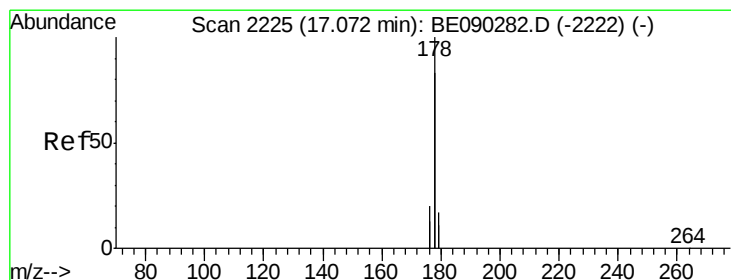
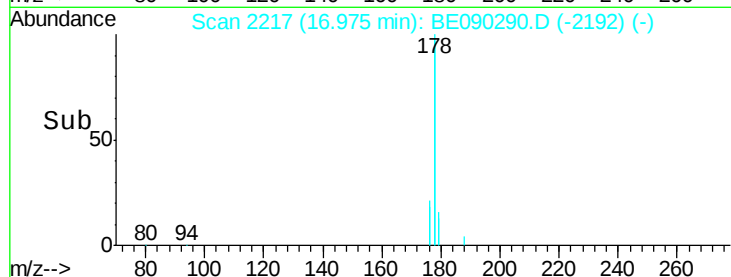
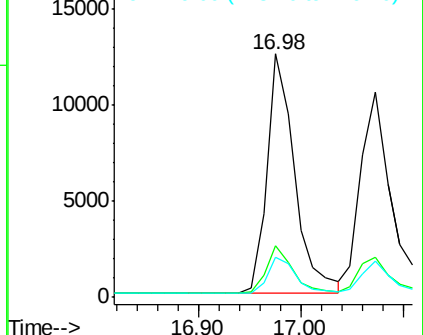
179 16.3 13.1 19.7



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: 0.40 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

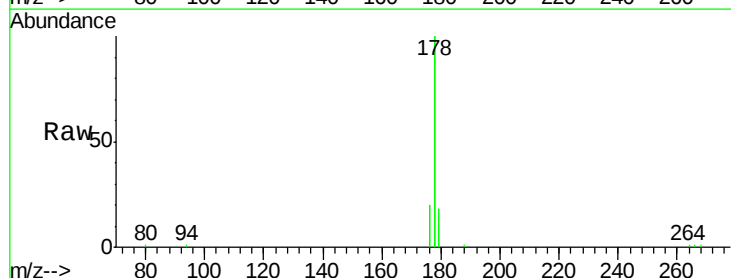
Tgt Ion:178 Resp: 23907

Ion Ratio Lower Upper

178 100

176 19.8 16.4 24.6

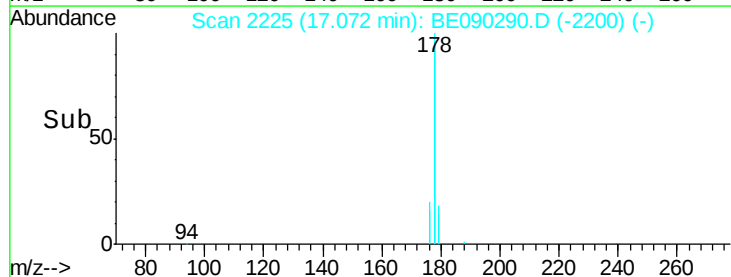
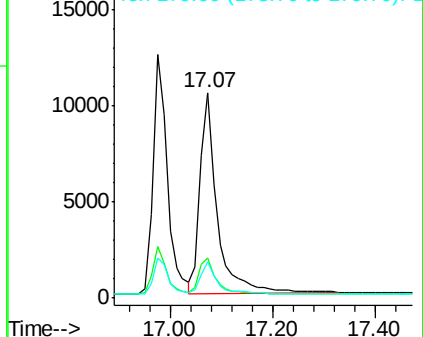
179 17.8 13.9 20.9

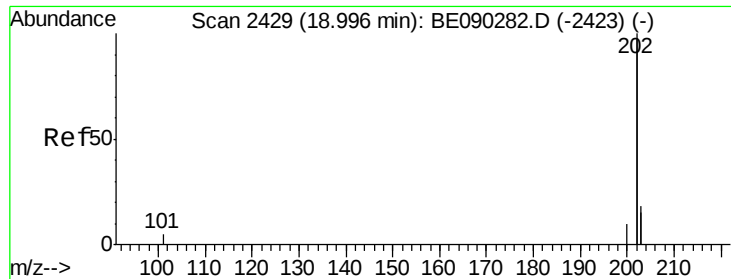


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

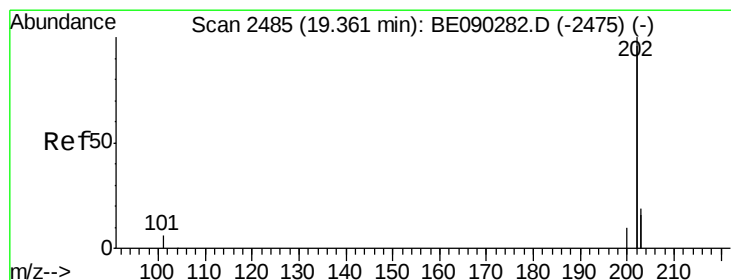
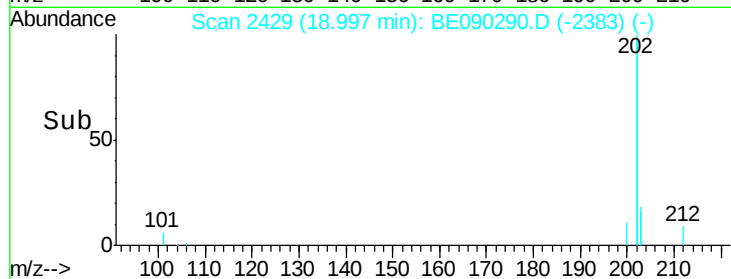
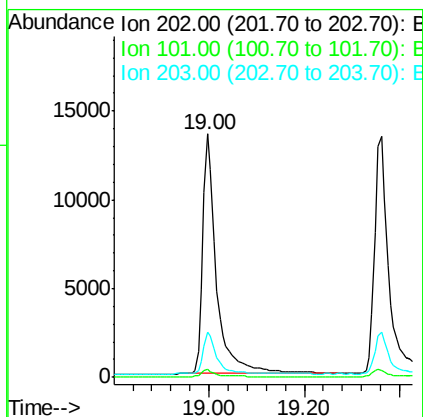
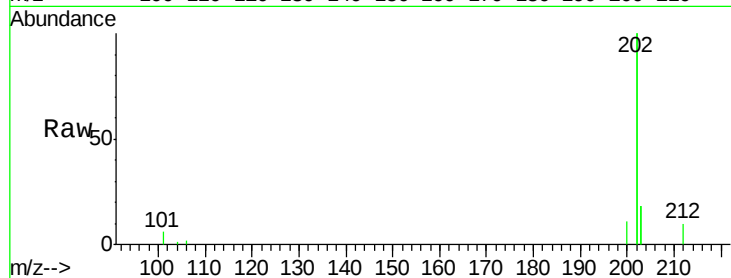




#15
Fluoranthene
 Concen: 0.39 ng/ul
 RT: 19.00 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: BE090290.D
 Acq: 29 Jul 2015 20:57

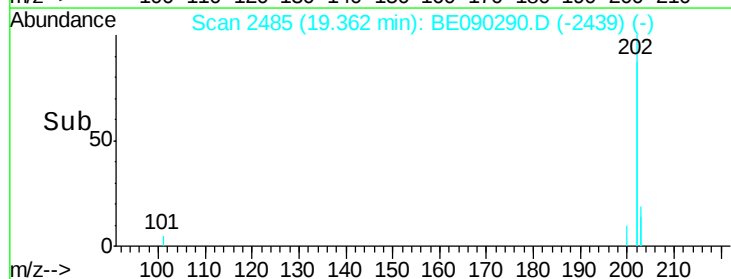
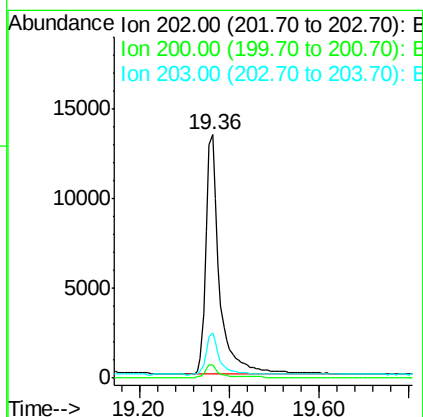
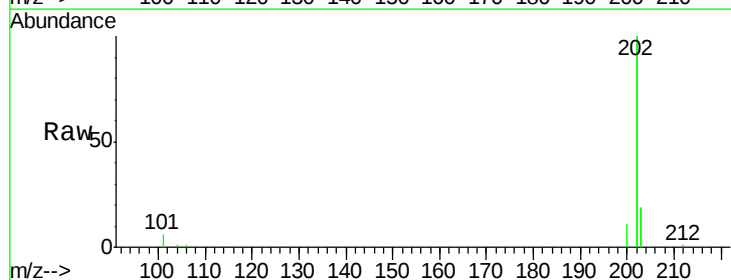
Instrument :
 BNA_E
 ClientSampleId :
 SST0.450

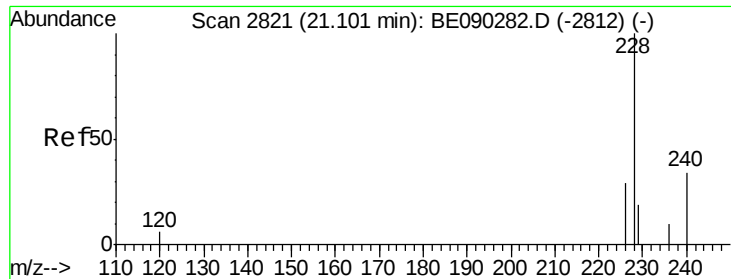
Tot Ion:202 Resp: 27288
 Ion Ratio Lower Upper
 202 100
 101 3.1 0.0 22.9
 203 18.4 0.0 39.0



#17
Pyrene
 Concen: 0.40 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BE090290.D
 Acq: 29 Jul 2015 20:57

Tgt Ion:202 Resp: 28200
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.5 6.7
 203 18.5 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.36 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. -0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

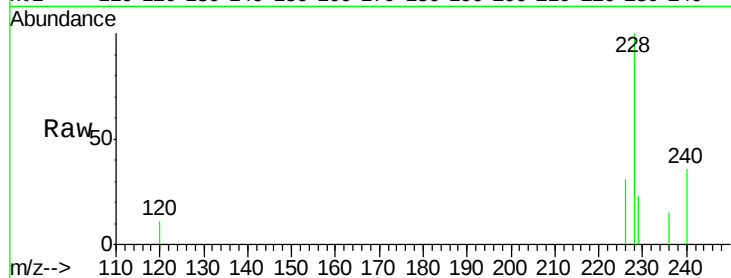
Tot Ion:228 Resp: 2023

Ion Ratio Lower Upper

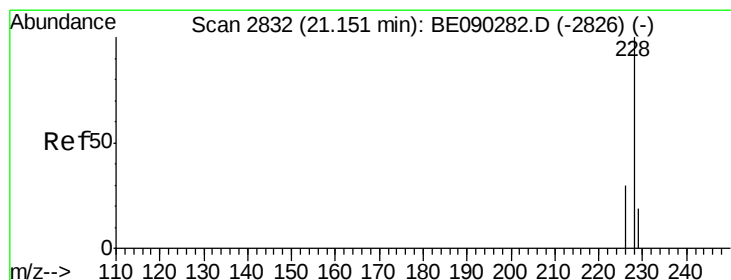
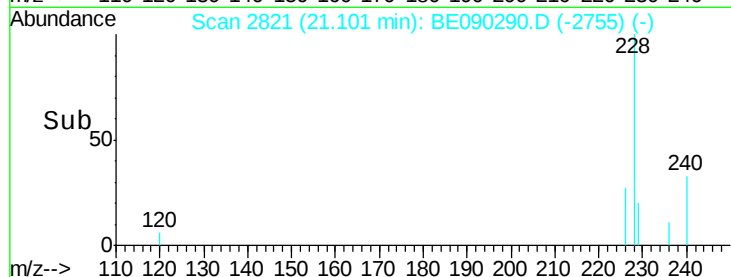
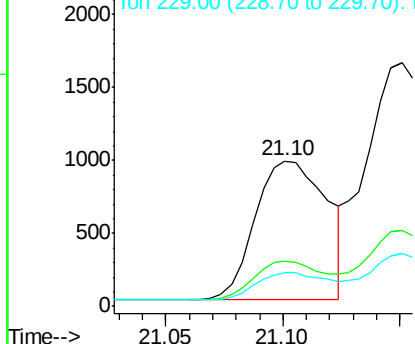
228 100

226 30.7 24.6 36.8

229 23.5 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: 0.37 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

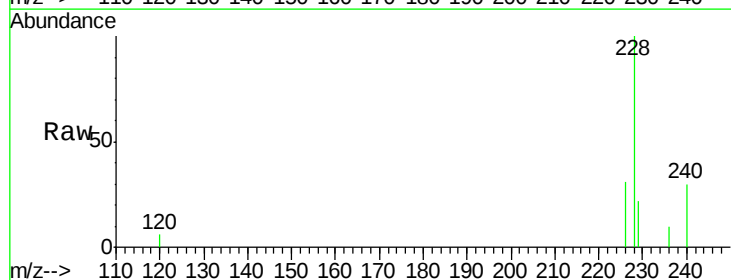
Tgt Ion:228 Resp: 6084

Ion Ratio Lower Upper

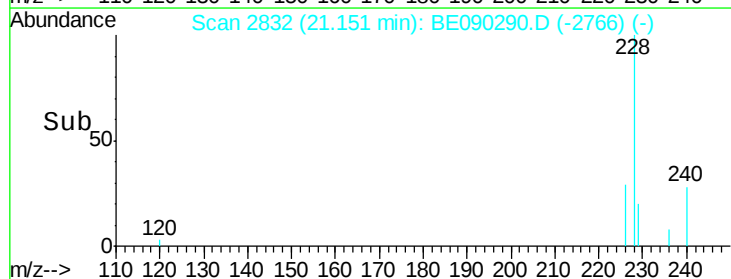
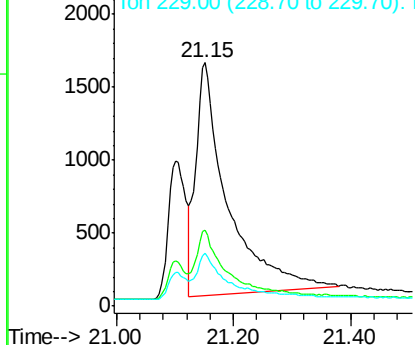
228 100

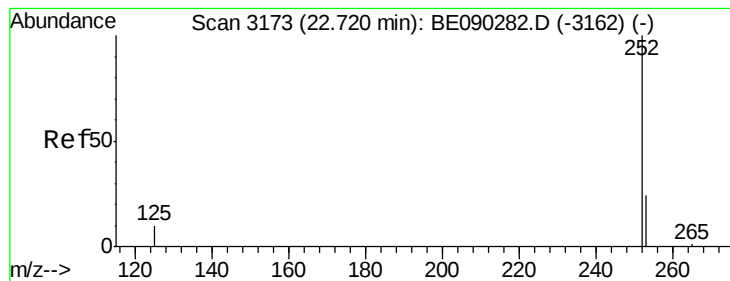
226 31.3 25.0 37.4

229 21.7 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: 0.28 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

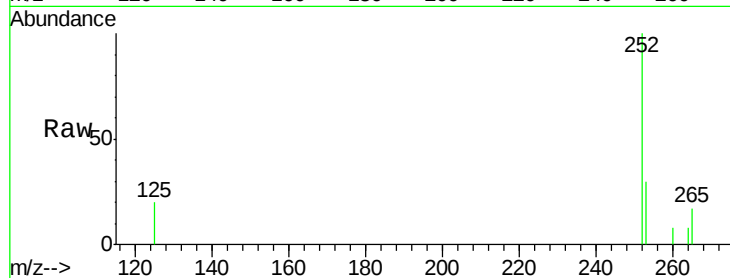
Tot Ion:252 Resp: 1033

Ion Ratio Lower Upper

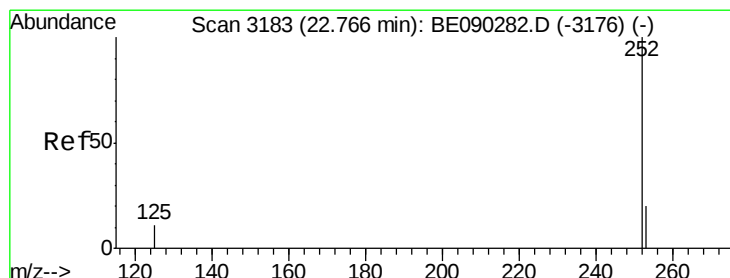
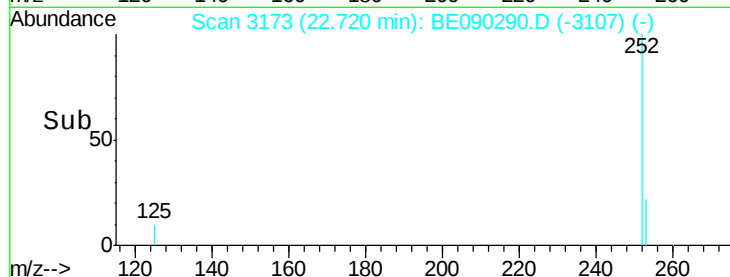
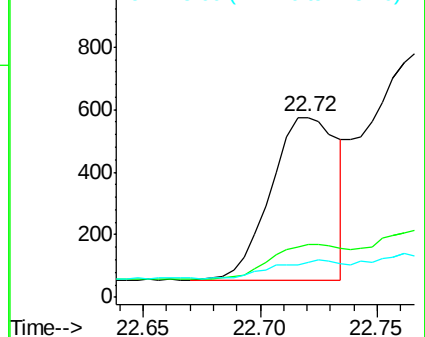
252 100

253 29.8 0.0 57.2

125 19.7 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: 0.31 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

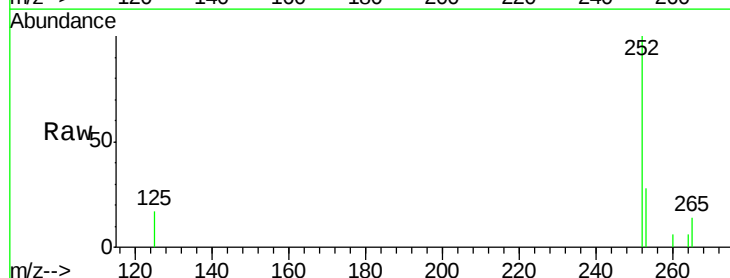
Tgt Ion:252 Resp: 3610

Ion Ratio Lower Upper

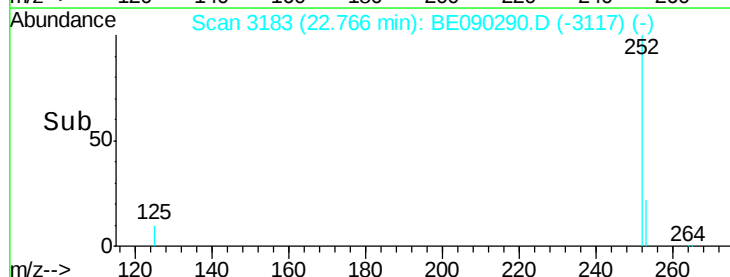
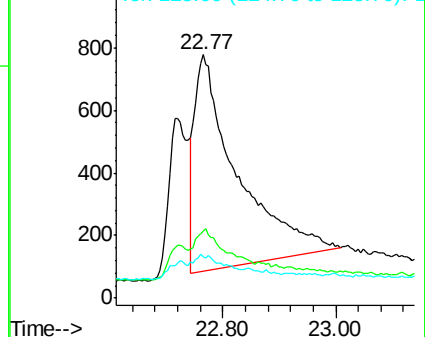
252 100

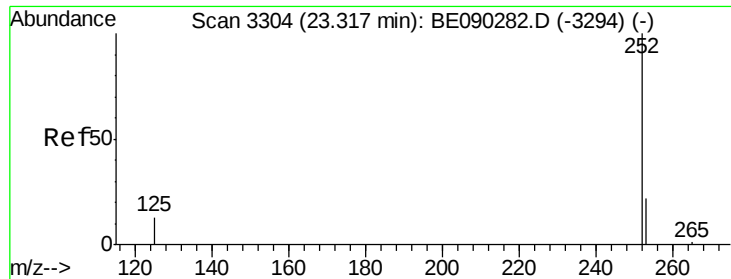
253 27.8 21.3 31.9

125 17.1 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: 0.31 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

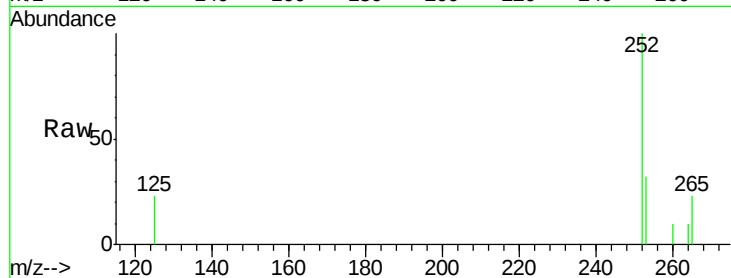
Tot Ion:252 Resp: 1533

Ion Ratio Lower Upper

252 100

253 32.1 24.9 37.3

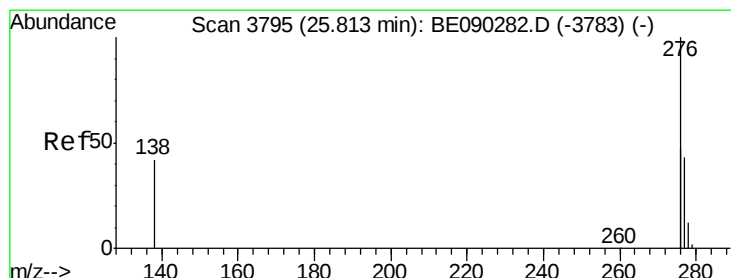
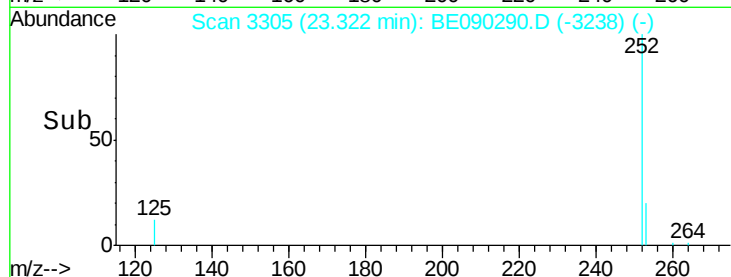
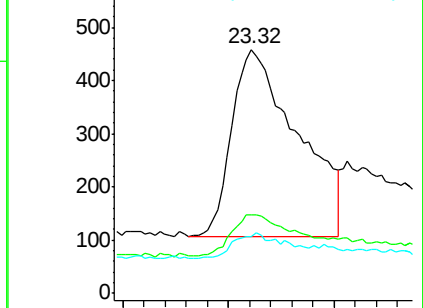
125 23.4 17.5 26.3



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090290.D

Acq: 29 Jul 2015 20:57

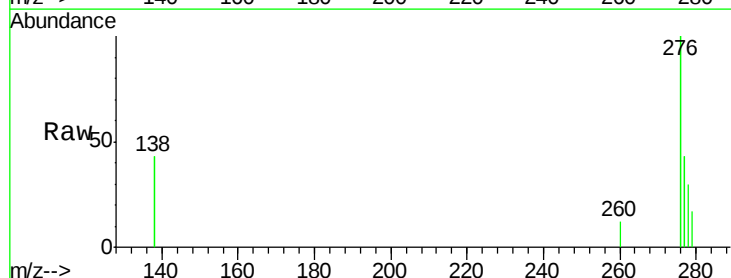
Tgt Ion:276 Resp: 3900

Ion Ratio Lower Upper

276 100

138 18.7 13.5 20.3

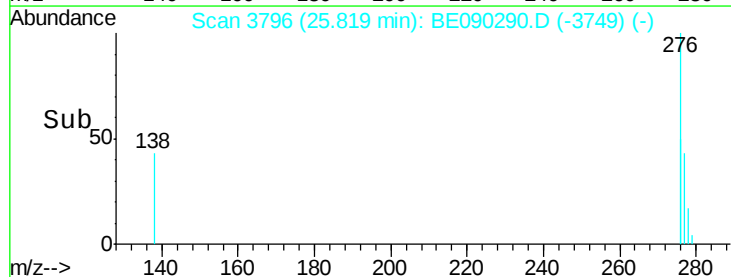
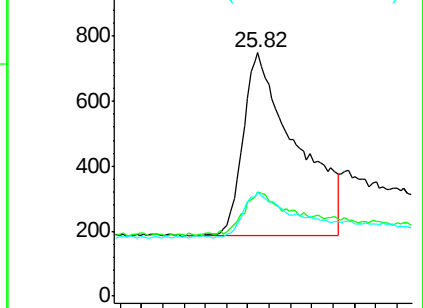
277 26.0 16.4 24.6#

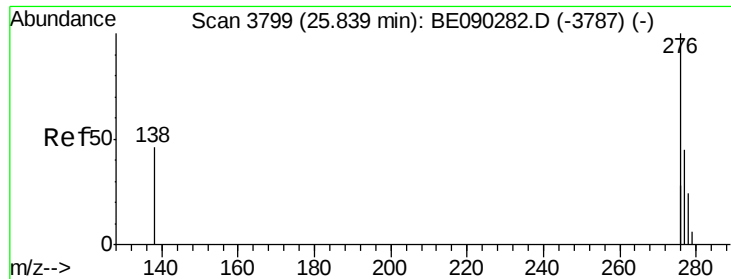


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

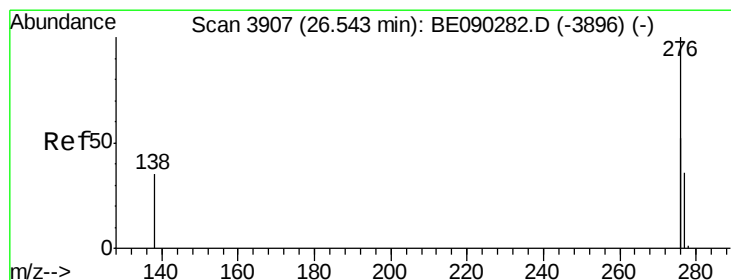
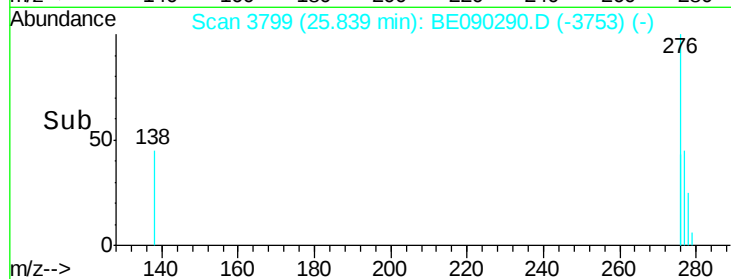
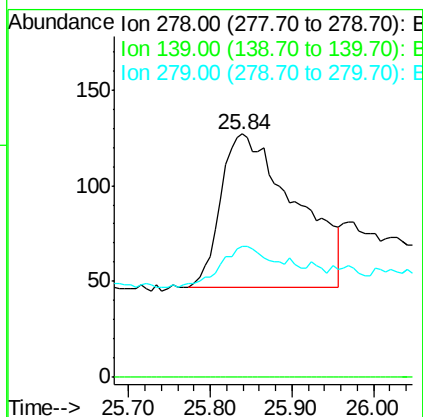
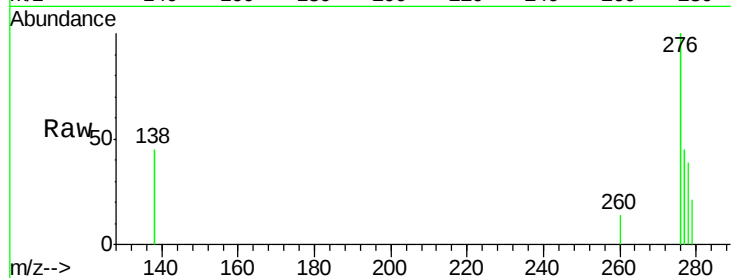




#25
Dibenzo(a,h)anthracene
Concen: 0.28 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.00 min
Lab File: BE090290.D
Acq: 29 Jul 2015 20:57

Instrument :
BNA_E
ClientSampleId :
SSTD0.450

Tot Ion:278 Resp: 507
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 53.5 37.4 56.0



#26
Benzo(g,h,i)perylene
Concen: 0.34 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.01 min
Lab File: BE090290.D
Acq: 29 Jul 2015 20:57

Tgt Ion:276 Resp: 7390
Ion Ratio Lower Upper
276 100
277 35.9 25.5 38.3
138 35.4 23.9 35.9

