

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091060.D
 Acq On : 27 Oct 2015 22:01
 Operator : UM/NP
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.484

Quant Time: Oct 28 04:01:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

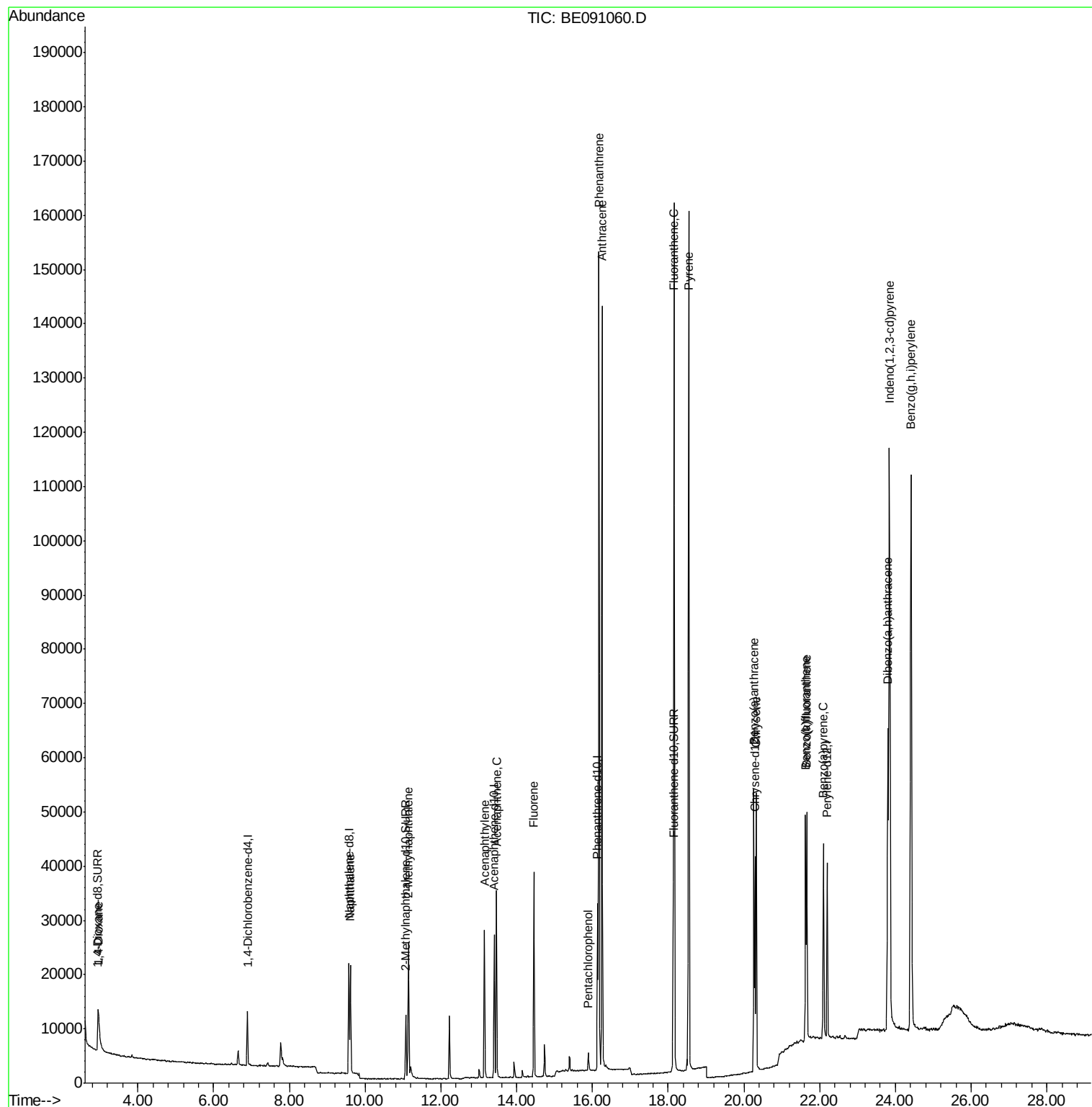
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	4883	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	25807	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	14523	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	32631	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	34977	0.40	ng/ul	0.00
22) Perylene-d12	22.20	264	33535	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.94	96	6267	1.78	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	11.07	152	15269	0.43	ng/ul	-0.01
16) Fluoranthene-d10	18.13	212	36105	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.96	88	6862	1.73	ng/ul#	71
5) Naphthalene	9.61	128	26394	0.41	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	17998	0.43	ng/ul	93
9) Acenaphthylene	13.15	152	29505	0.41	ng/ul	97
10) Acenaphthene	13.47	153	19689	0.40	ng/ul	88
11) Fluorene	14.45	166	23026	0.36	ng/ul	90
13) Pentachlorophenol	15.89	266	2647	0.85	ng/ul	95
14) Phenanthrene	16.17	178	151251	0.40	ng/ul	99
15) Anthracene	16.26	178	149372	0.44	ng/ul	98
17) Fluoranthene	18.16	202	170307	0.39	ng/ul	88
19) Pyrene	18.55	202	173685	0.44	ng/ul#	78
20) Benzo(a)anthracene	20.27	228	41249	0.46	ng/ul	97
21) Chrysene	20.33	228	40743	0.39	ng/ul	99
23) Benzo(b)fluoranthene	21.63	252	42071	0.40	ng/ul	93
24) Benzo(k)fluoranthene	21.66	252	39672	0.37	ng/ul#	94
25) Benzo(a)pyrene	22.10	252	39403	0.41	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	23.85	276	158241	0.39	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.80	278	40906	0.42	ng/ul#	73
28) Benzo(g,h,i)perylene	24.41	276	162842	0.38	ng/ul	98

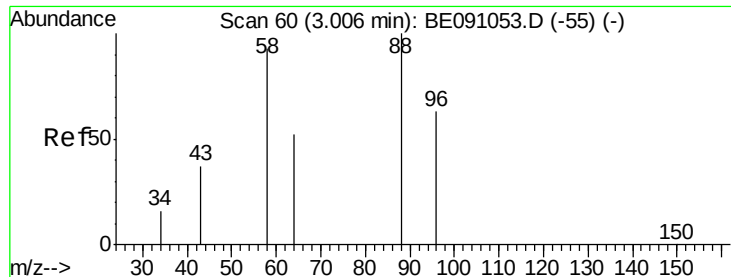
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
Data File : BE091060.D
Acq On : 27 Oct 2015 22:01
Operator : UM/NP
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
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SSTD0.484

Quant Time: Oct 28 04:01:04 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

1,4-Dioxane

Concen: 1.73 ng/ul

RT: 2.96 min Scan# 53

Delta R.T. -0.05 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

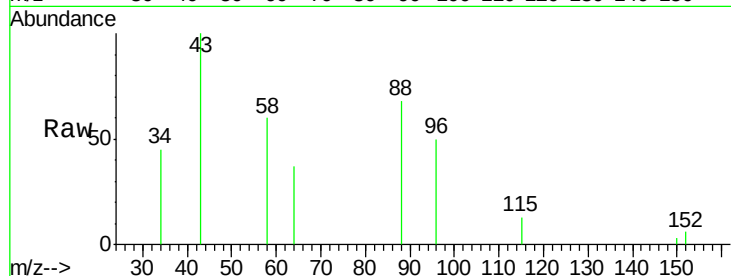
Tot Ion: 88 Resp: 6862

Ion Ratio Lower Upper

88 100

58 95.4 55.4 83.2#

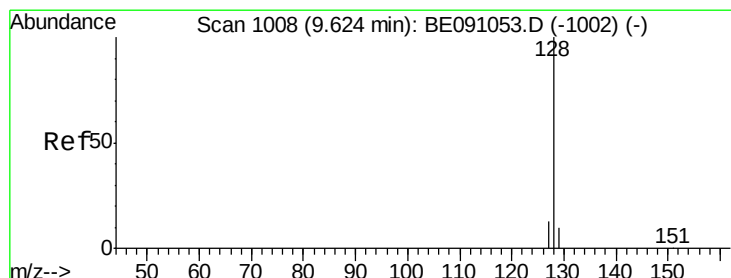
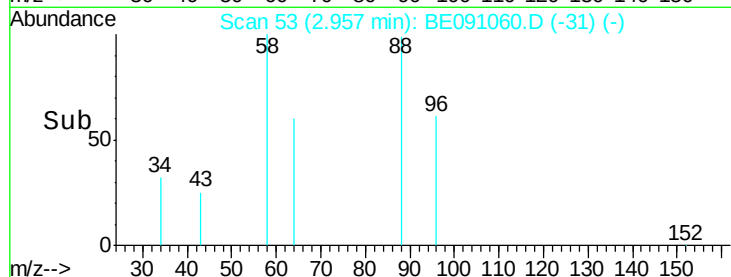
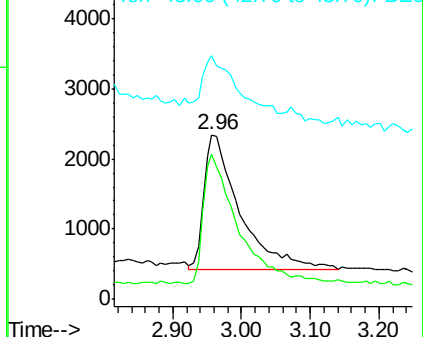
43 42.6 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091053.D (-55) (-)

Ion 58.00 (57.70 to 58.70): BE091053.D (-55) (-)

Ion 43.00 (42.70 to 43.70): BE091053.D (-55) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

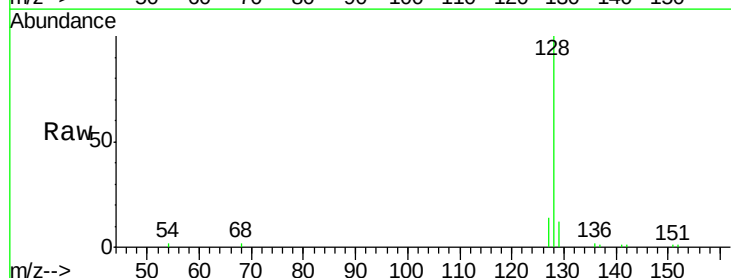
Tgt Ion: 128 Resp: 26394

Ion Ratio Lower Upper

128 100

129 11.7 9.8 14.8

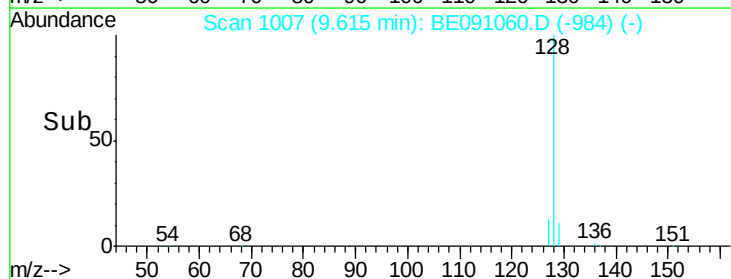
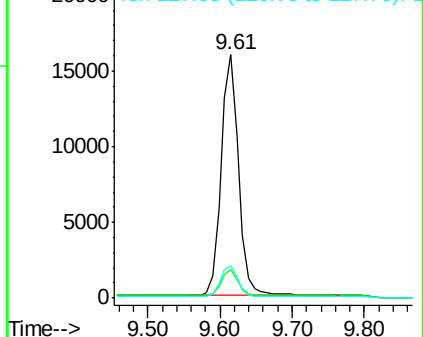
127 13.5 10.7 16.1

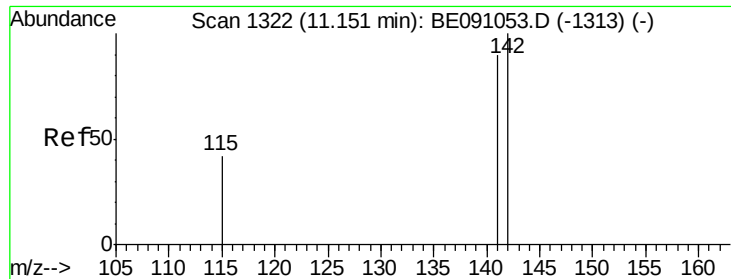


Abundance Ion 128.00 (127.70 to 128.70): BE091053.D (-1002) (-)

Ion 129.00 (128.70 to 129.70): BE091053.D (-1002) (-)

Ion 127.00 (126.70 to 127.70): BE091053.D (-1002) (-)





#7

2-Methylnaphthalene

Concen: 0.43 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

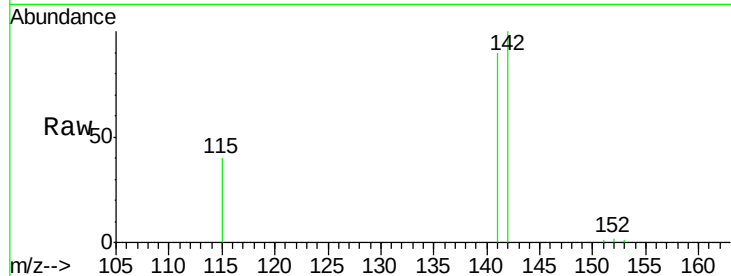
SSTD0.484

Tot Ion:142 Resp: 17998

Ion Ratio Lower Upper

142 100

141 94.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.14

12000

10000

8000

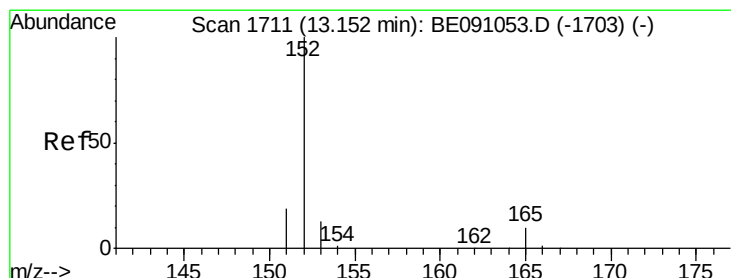
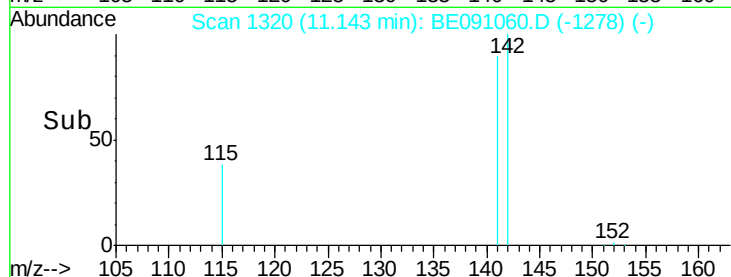
6000

4000

2000

0

Time--> 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 13.15 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

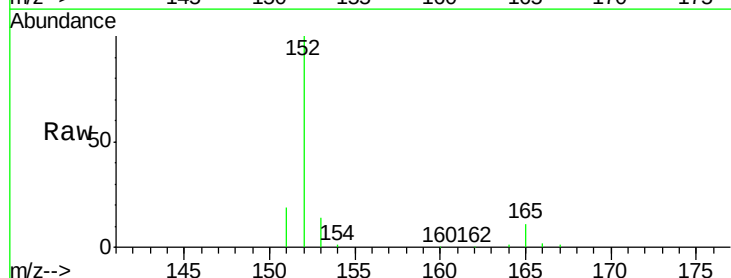
Tgt Ion:152 Resp: 29505

Ion Ratio Lower Upper

152 100

151 18.9 16.8 25.2

153 13.5 11.3 16.9



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

13.15

25000

20000

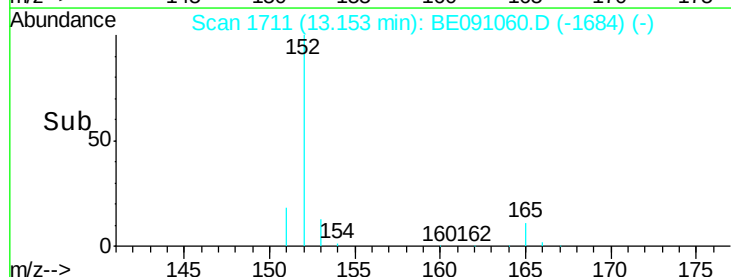
15000

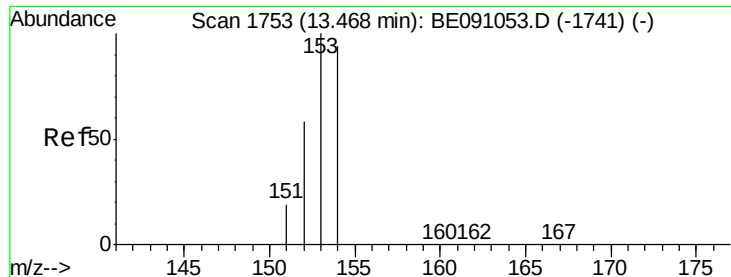
10000

5000

0

Time--> 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 13.47 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

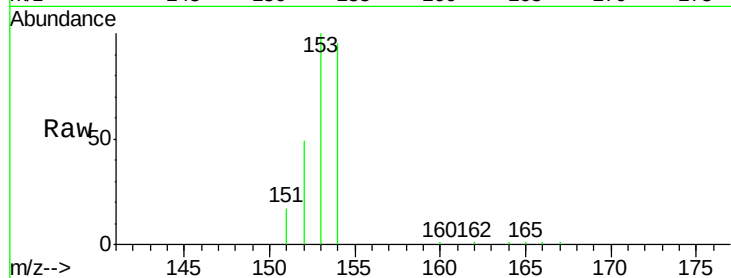
Tot Ion:153 Resp: 19689

Ion Ratio Lower Upper

153 100

152 49.1 42.3 63.5

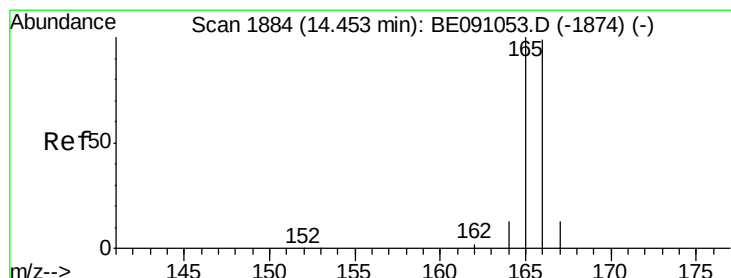
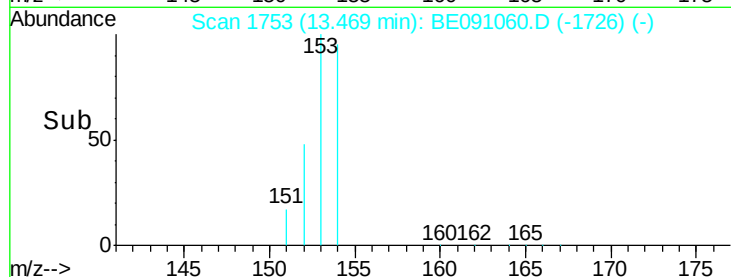
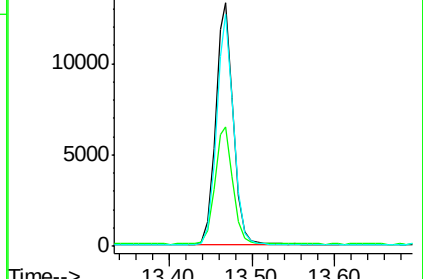
154 95.2 64.7 97.1



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



#11

Fluorene

Concen: 0.36 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

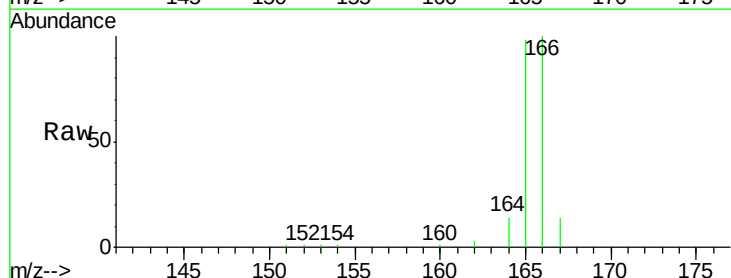
Tgt Ion:166 Resp: 23026

Ion Ratio Lower Upper

166 100

165 98.2 87.6 131.4

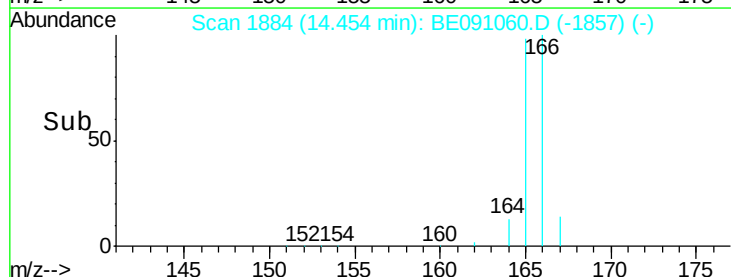
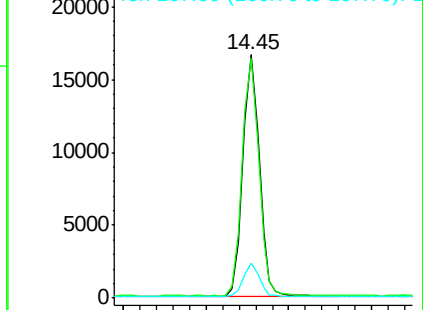
167 14.2 11.1 16.7

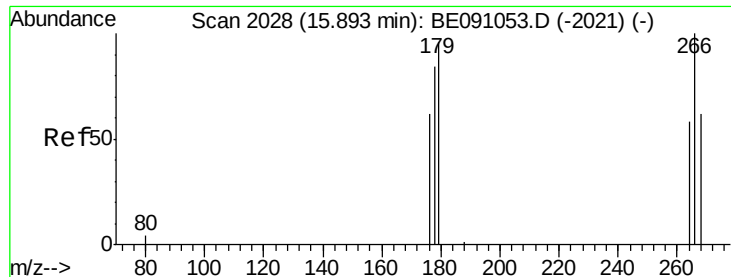


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

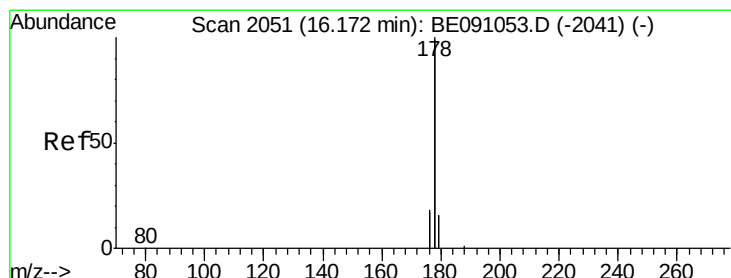
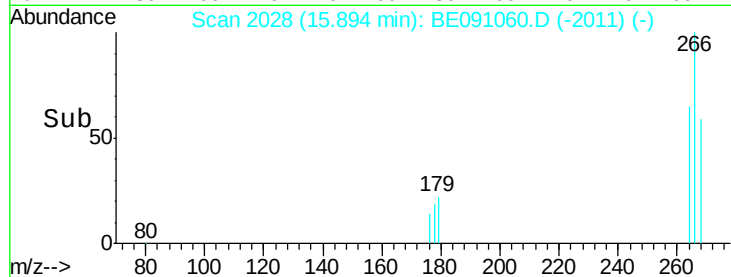
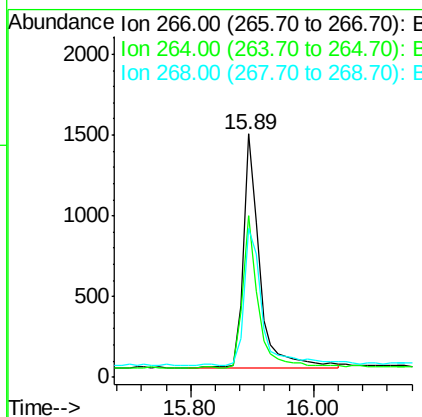
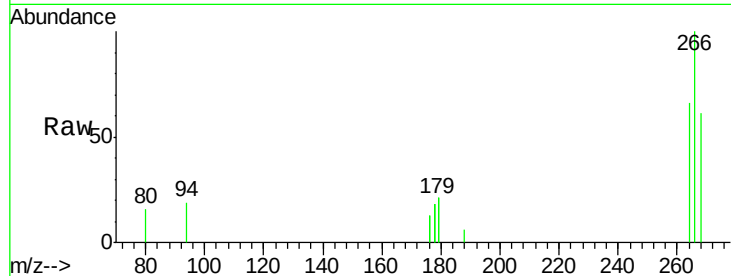




#13
 Pentachlorophenol
 Concen: 0.85 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BE091060.D
 Acq: 27 Oct 2015 22:01

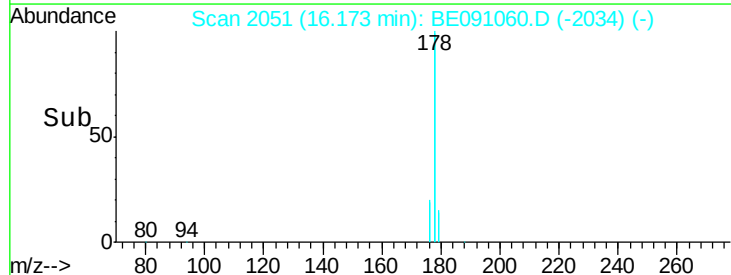
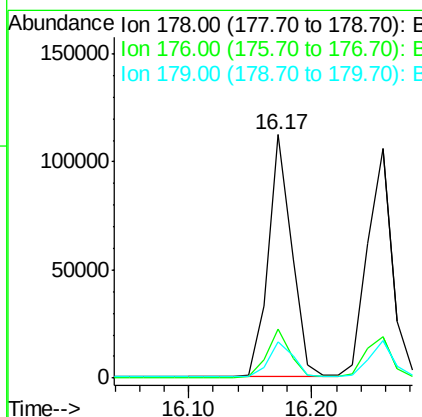
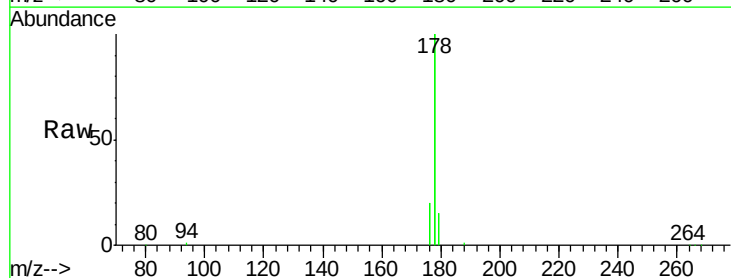
Instrument :
 BNA_E
 ClientSampleId :
 SST0.484

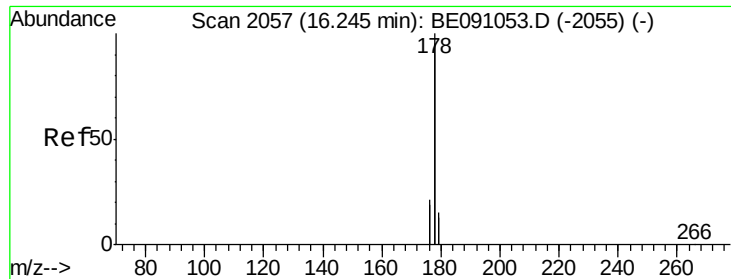
Tot Ion:266 Resp: 2647
 Ion Ratio Lower Upper
 266 100
 264 62.9 53.5 80.3
 268 63.2 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BE091060.D
 Acq: 27 Oct 2015 22:01

Tgt Ion:178 Resp: 151251
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 15.0 12.8 19.2





#15

Anthracene

Concen: 0.44 ng/ul

RT: 16.26 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

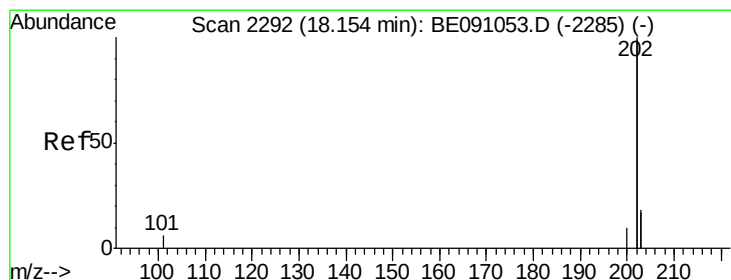
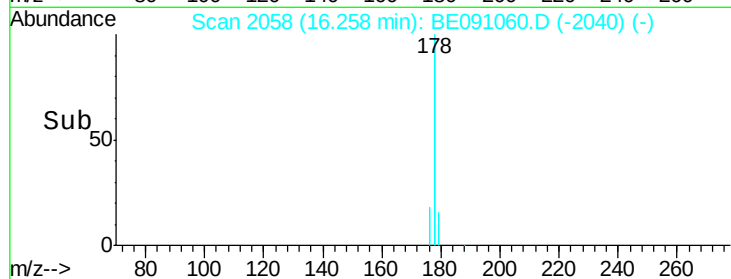
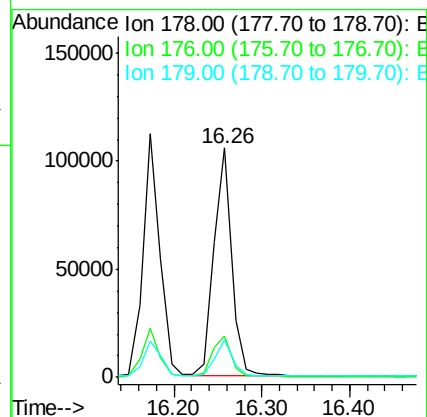
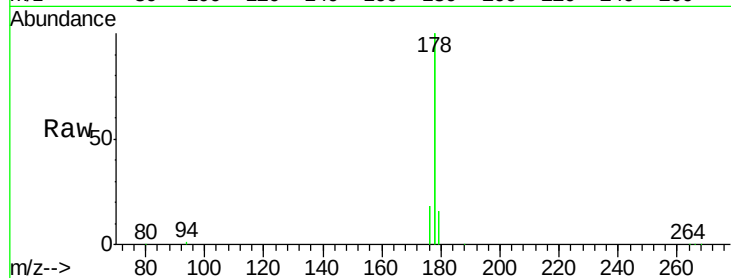
Tot Ion:178 Resp: 149372

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

179 16.3 13.3 19.9



#17

Fluoranthene

Concen: 0.39 ng/ul

RT: 18.16 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

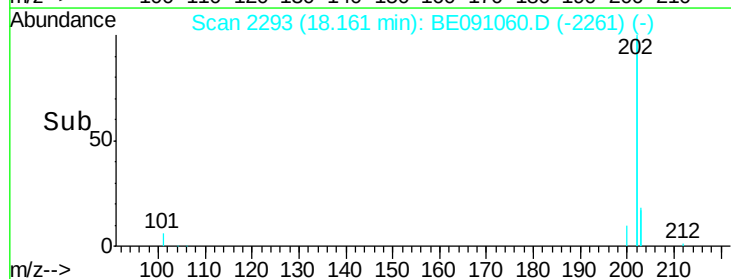
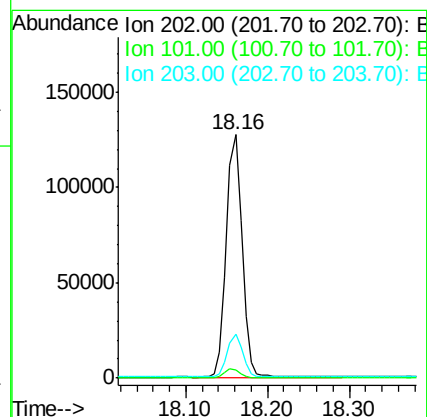
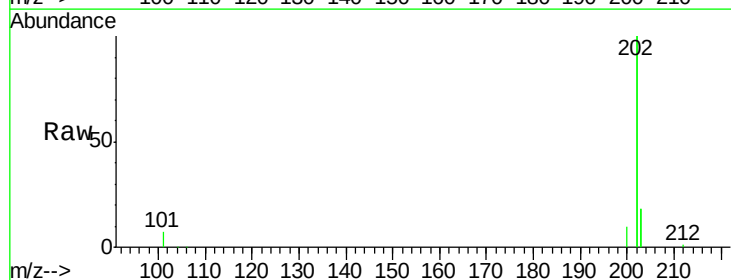
Tgt Ion:202 Resp: 170307

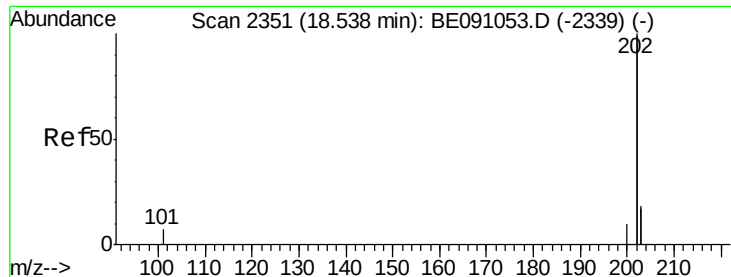
Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

203 17.9 0.0 37.2





#19

Pvrene

Concen: 0.44 ng/ul

RT: 18.55 min Scan# 2352

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

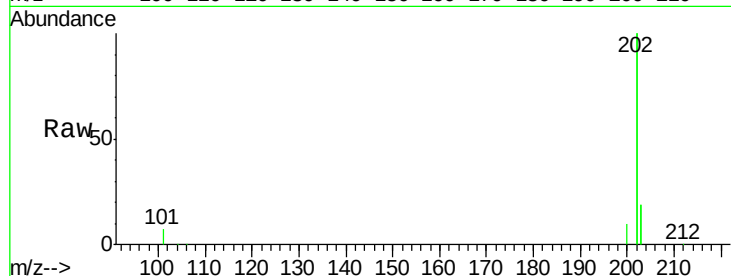
Tot Ion:202 Resp: 173685

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

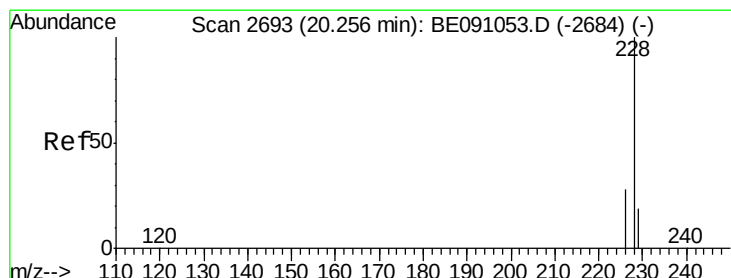
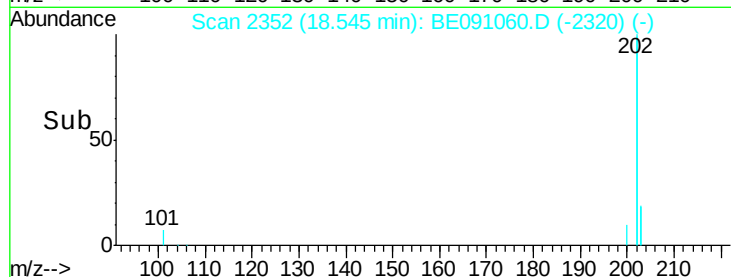
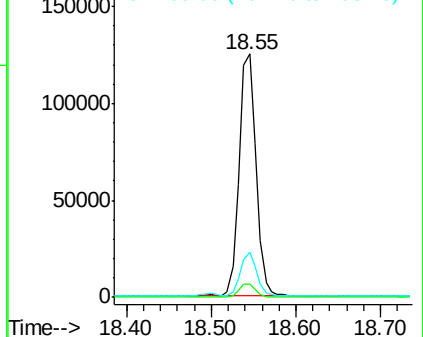
203 18.8 13.8 20.6



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



#20

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 20.27 min Scan# 2696

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

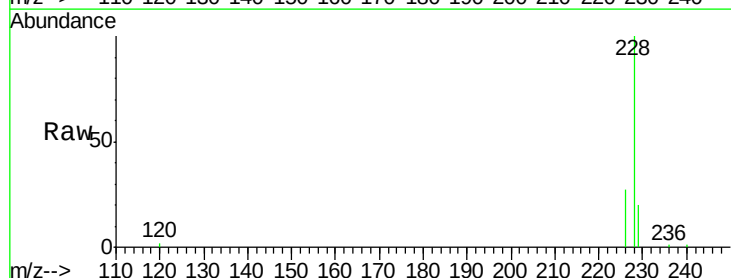
Tgt Ion:228 Resp: 41249

Ion Ratio Lower Upper

228 100

226 27.1 23.0 34.4

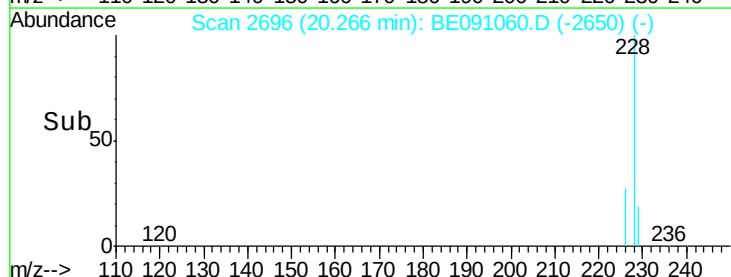
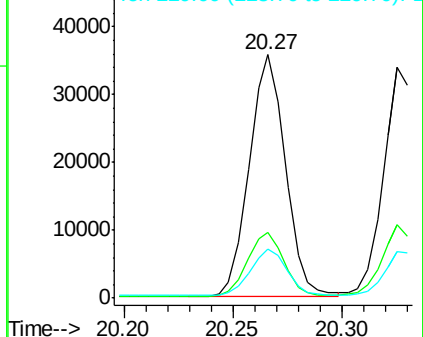
229 20.3 15.2 22.8

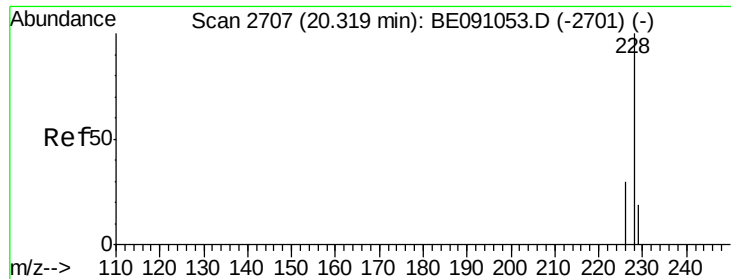


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.39 ng/ul

RT: 20.33 min Scan# 2709

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

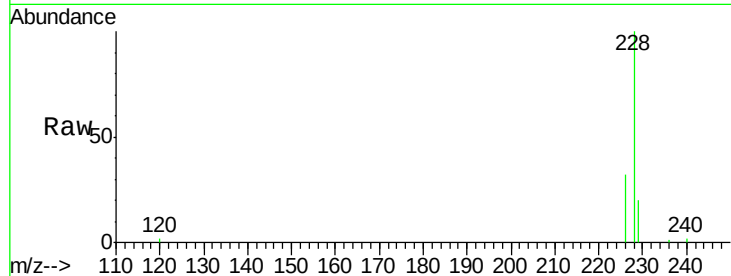
Tot Ion:228 Resp: 40743

Ion Ratio Lower Upper

228 100

226 31.7 25.7 38.5

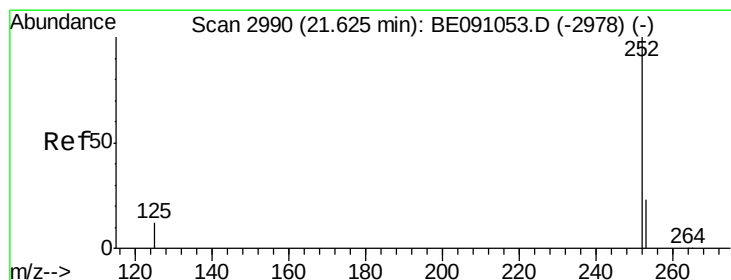
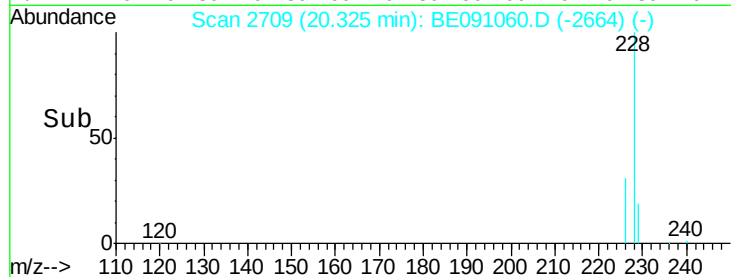
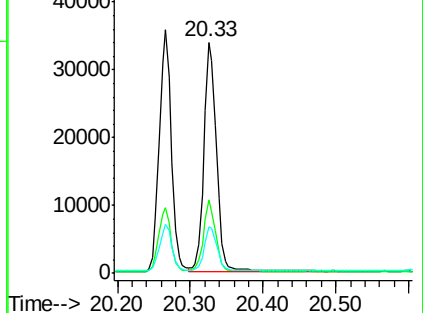
229 20.2 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.40 ng/ul

RT: 21.63 min Scan# 2992

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

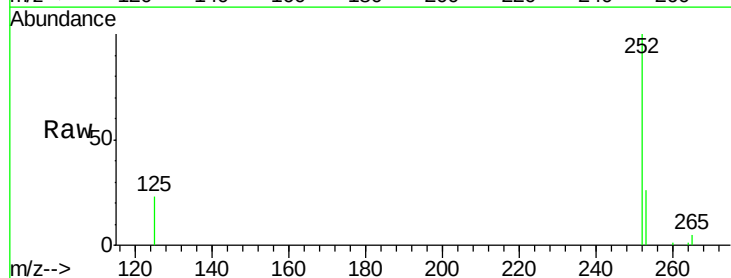
Tgt Ion:252 Resp: 42071

Ion Ratio Lower Upper

252 100

253 26.2 0.0 48.0

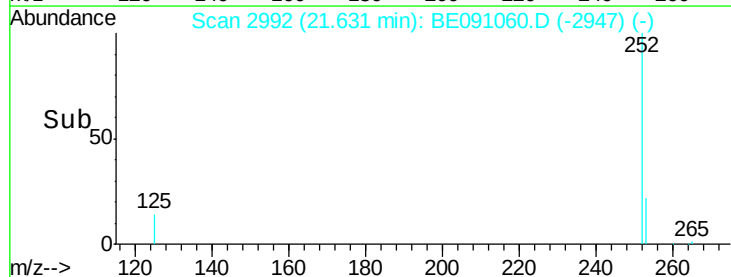
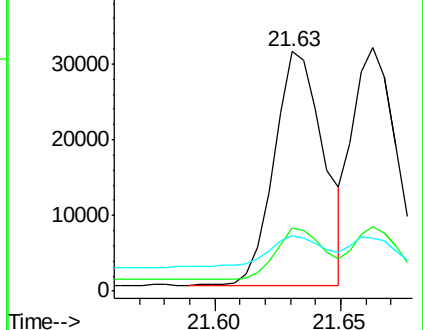
125 23.0 0.0 36.6

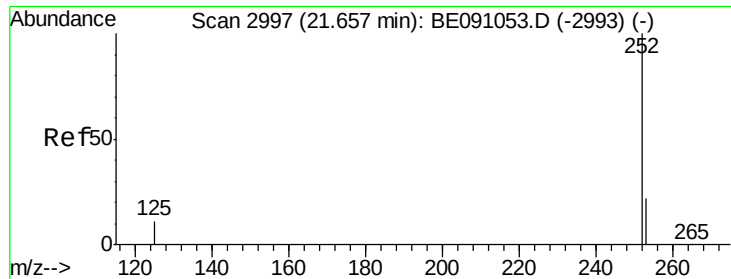


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 21.66 min Scan# 2999

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

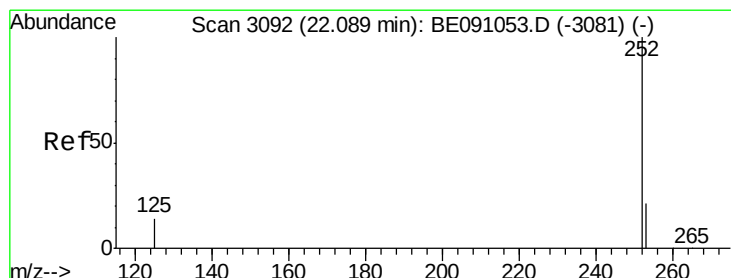
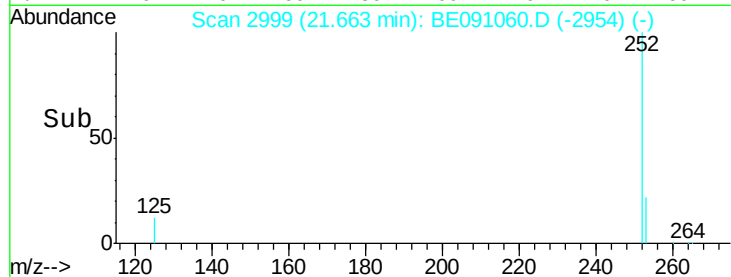
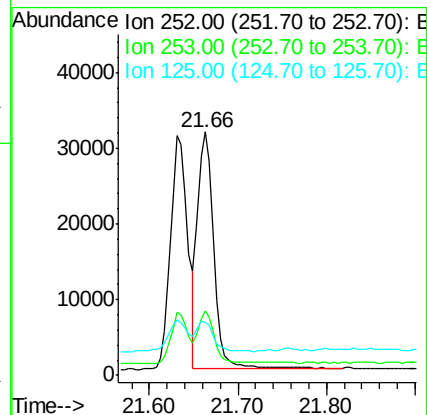
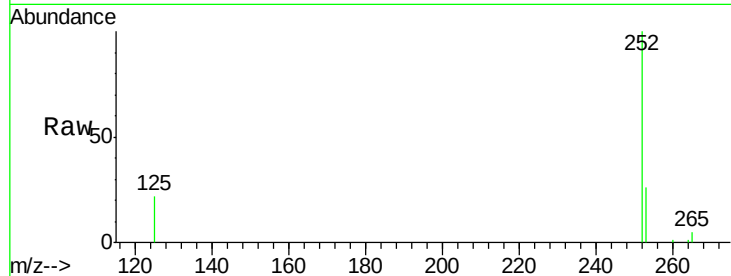
Tot Ion:252 Resp: 39672

Ion Ratio Lower Upper

252 100

253 26.3 20.8 31.2

125 21.9 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 22.10 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

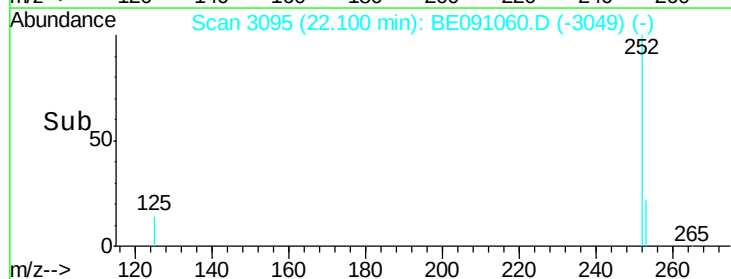
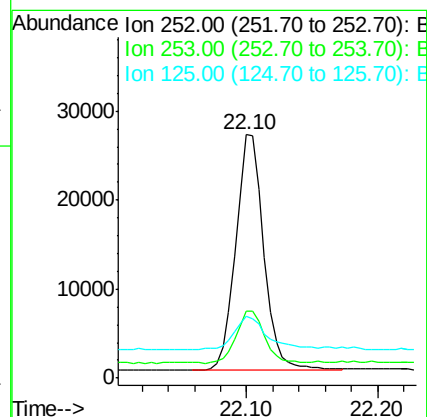
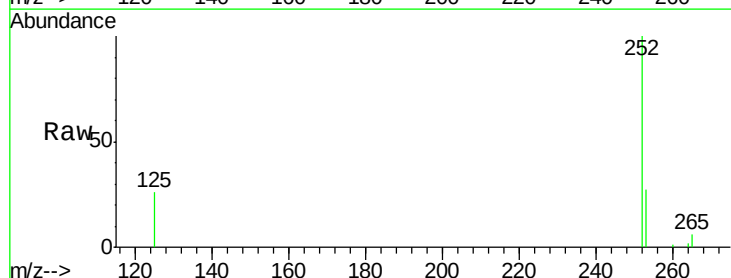
Tgt Ion:252 Resp: 39403

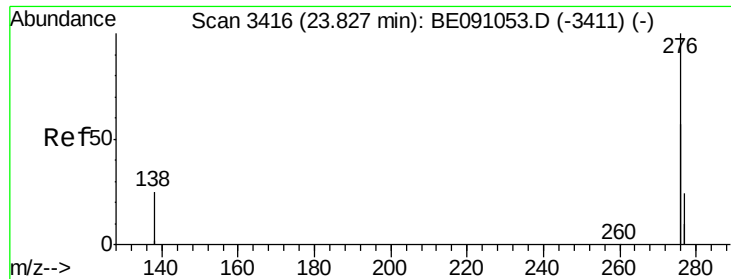
Ion Ratio Lower Upper

252 100

253 27.4 21.8 32.8

125 25.6 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

RT: 23.85 min Scan# 3419

Delta R.T. 0.02 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

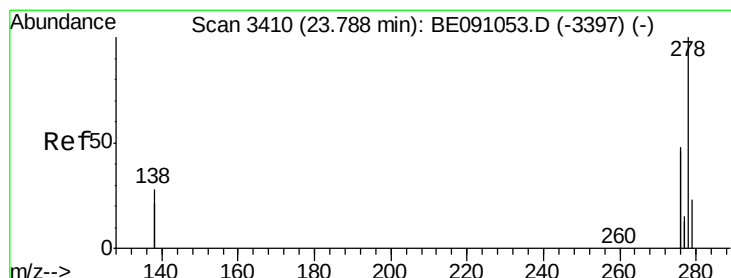
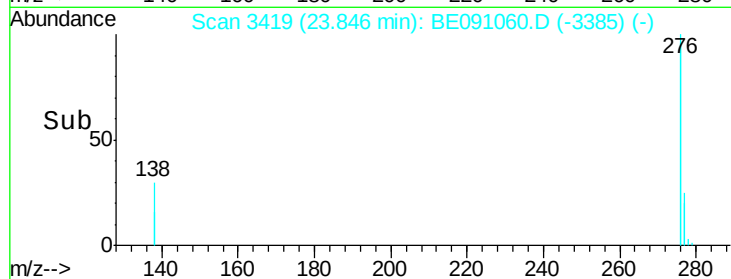
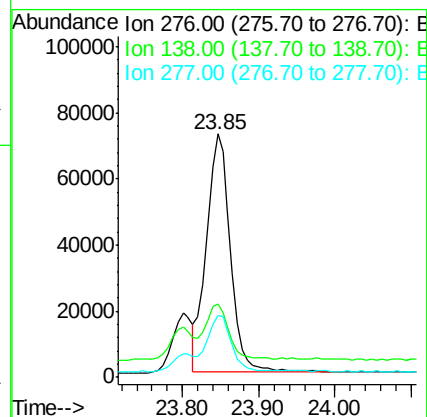
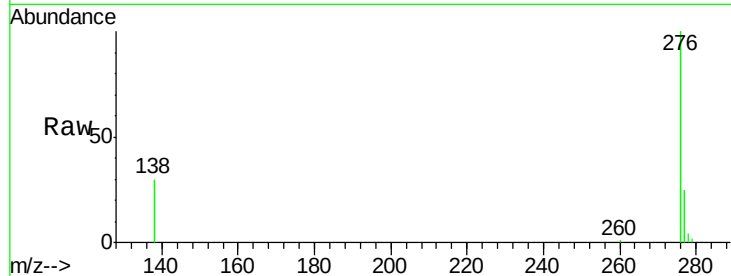
Tot Ion:276 Resp: 158241

Ion Ratio Lower Upper

276 100

138 22.5 27.5 41.3#

277 23.2 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.42 ng/ul

RT: 23.80 min Scan# 3412

Delta R.T. 0.01 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

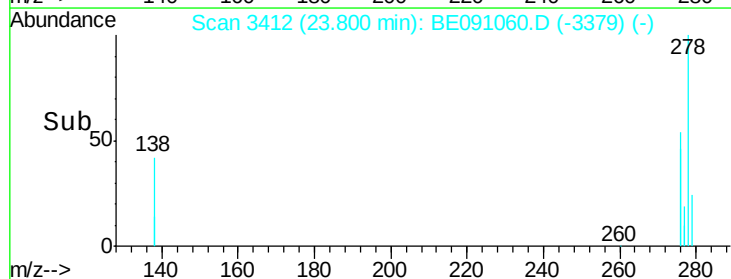
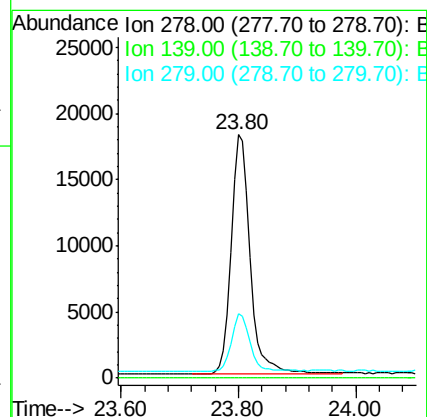
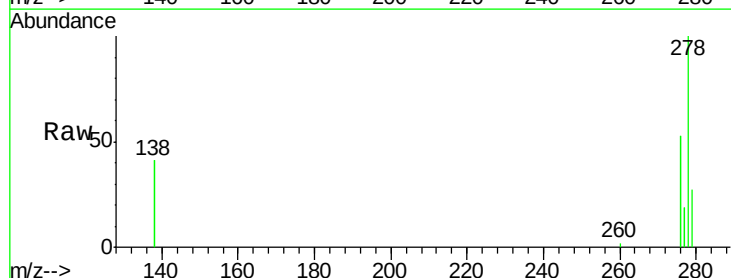
Tgt Ion:278 Resp: 40906

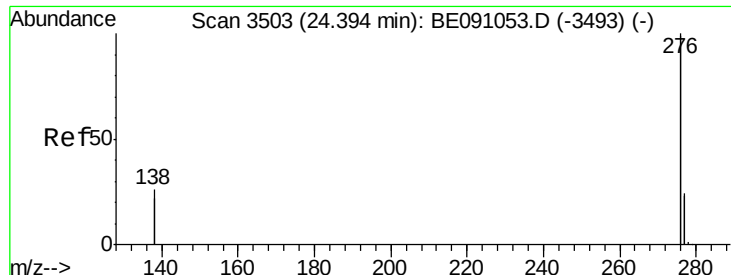
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 26.6 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.38 ng/ul

RT: 24.41 min Scan# 3506

Delta R.T. 0.02 min

Lab File: BE091060.D

Acq: 27 Oct 2015 22:01

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

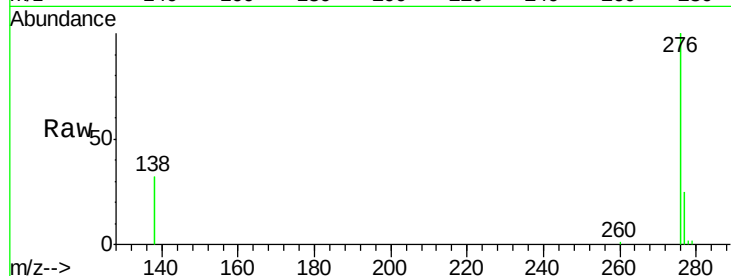
Tot Ion: 276 Resp: 162842

Ion Ratio Lower Upper

276 100

277 24.8 21.3 31.9

138 32.2 25.5 38.3



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

