

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091073.D
 Acq On : 5 Nov 2015 19:04
 Operator : UM/NP
 Sample : G4273-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP6

Quant Time: Nov 06 05:45:04 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 : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

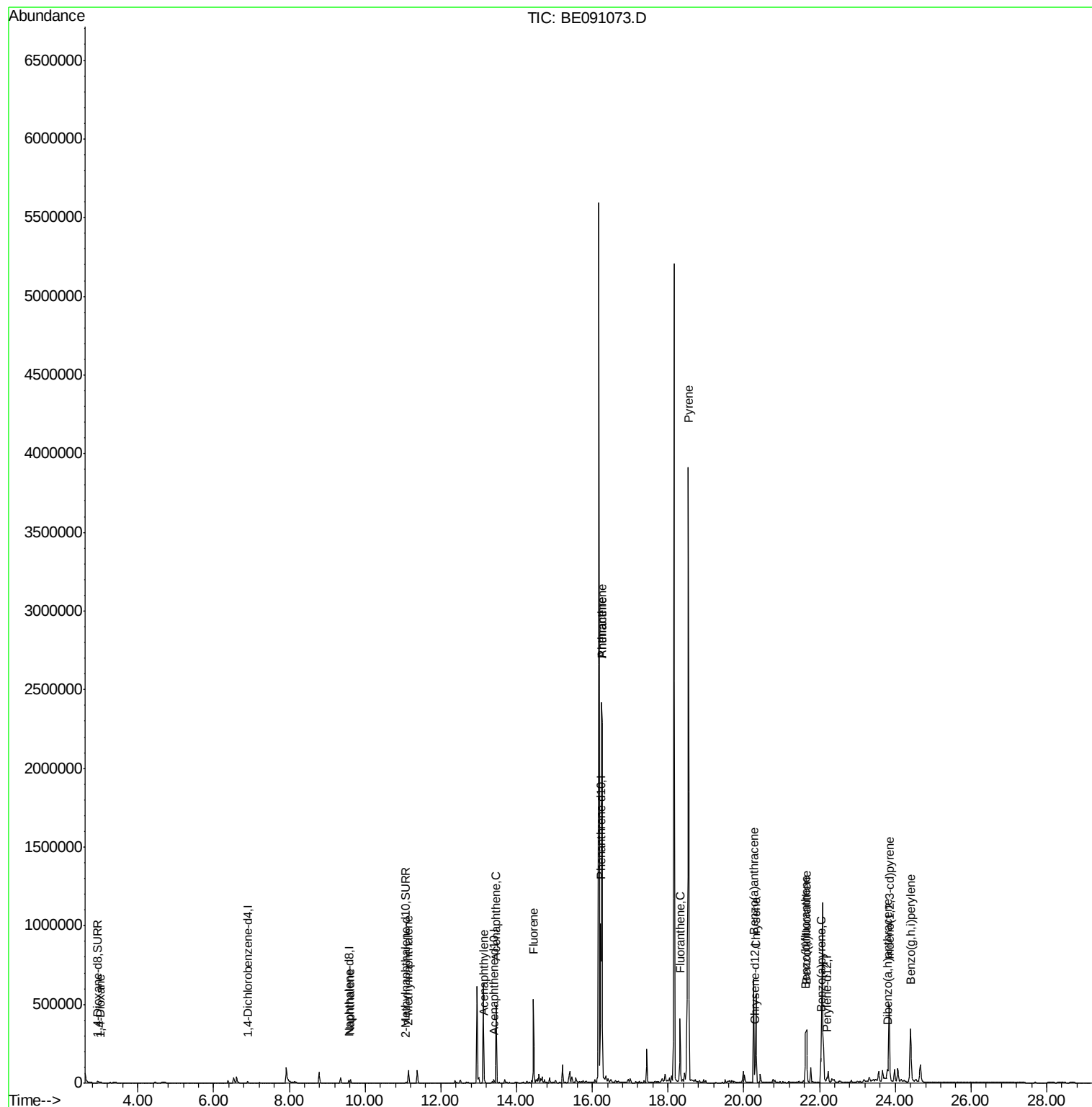
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3573	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	19967	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11928	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	1001749	0.40	ng/ul	0.08
18) Chrysene-d12	20.29	240	31948	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	37418	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	12180	4.74	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	4615	0.17	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	14393	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.03	88	105	0.04	ng/ul#	35
5) Naphthalene	9.62	128	28022	0.57	ng/ul	98
7) 2-Methylnaphthalene	11.14	142	57082	1.78	ng/ul	98
9) Acenaphthylene	13.15	152	30624	0.51	ng/ul	99
10) Acenaphthene	13.46	153	265834	6.52	ng/ul	92
11) Fluorene	14.45	166	326083	6.22	ng/ul	94
14) Phenanthrene	16.24	178	2860164	0.25	ng/ul	98
15) Anthracene	16.24	178	2846921	0.27	ng/ul	97
17) Fluoranthene	18.32	202	432597	0.03	ng/ul	89
19) Pyrene	18.54	202	3933066	10.84	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	507295	6.18	ng/ul	97
21) Chrysene	20.32	228	489485	5.18	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	329399	2.82	ng/ul	93
24) Benzo(k)fluoranthene	21.66	252	307734	2.57	ng/ul	95
25) Benzo(a)pyrene	22.03	252	180312	1.68	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.84	276	717249	1.58	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.79	278	56163	0.52	ng/ul#	74
28) Benzo(a,h,i)perylene	24.40	276	523422	1.10	ng/ul	93

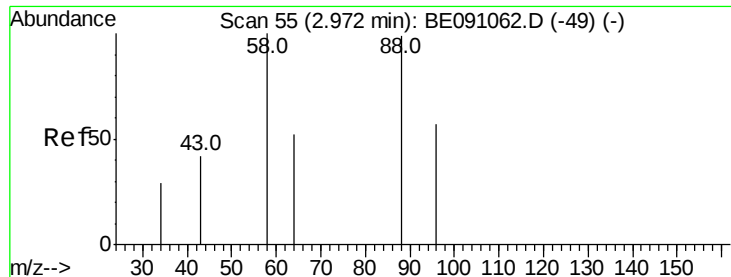
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.03 min Scan# 63

Delta R.T. 0.05 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

Instrument :

BNA_E

ClientSampled :

C0AP6

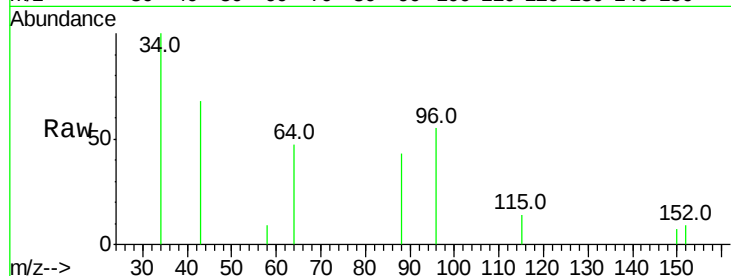
Tot Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

58 12.4 55.4 83.2#

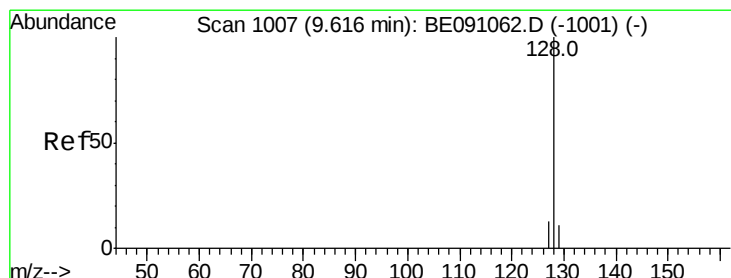
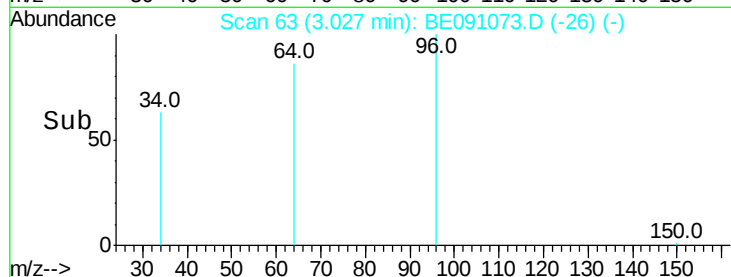
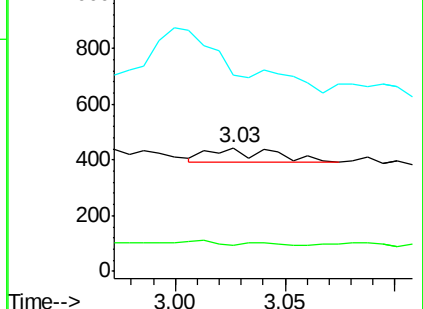
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.57 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

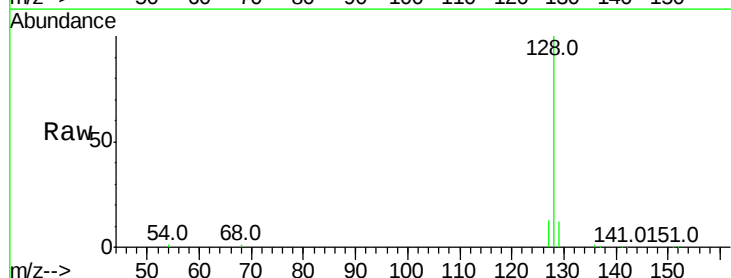
Tgt Ion:128 Resp: 28022

Ion Ratio Lower Upper

128 100

129 11.6 9.8 14.8

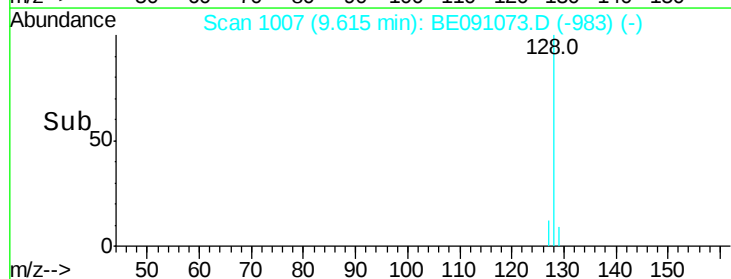
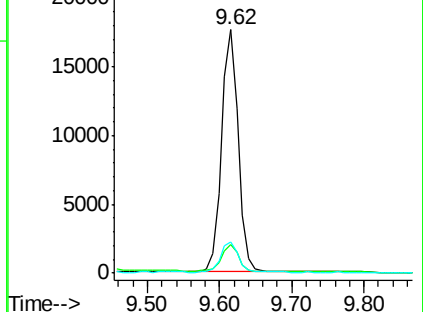
127 12.8 10.7 16.1

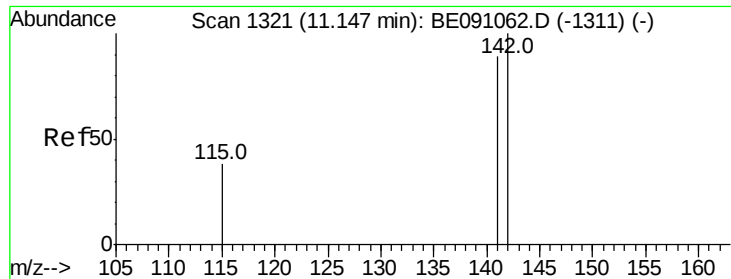


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.78 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

Instrument :

BNA_E

ClientSampleId :

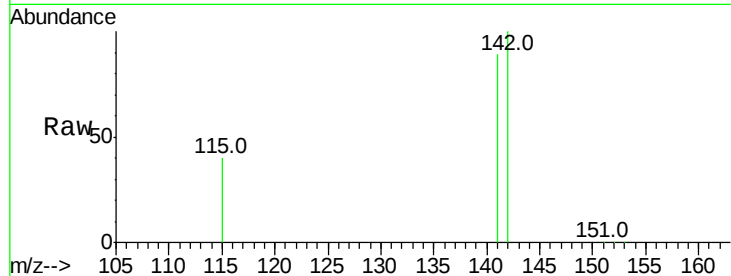
C0AP6

Tot Ion:142 Resp: 57082

Ion Ratio Lower Upper

142 100

141 89.4 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

40000

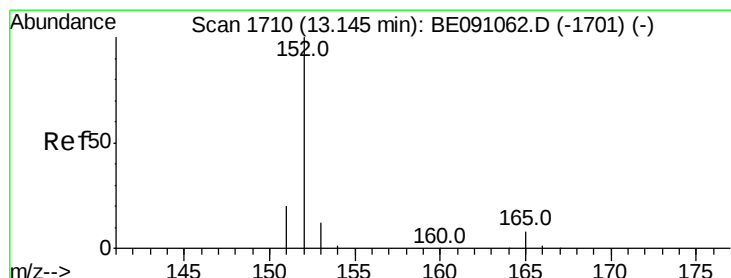
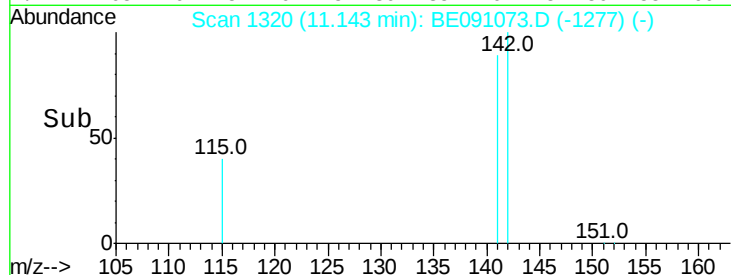
30000

20000

10000

0

Time--> 11.00 11.20



#9

Acenaphthylene

Concen: 0.51 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

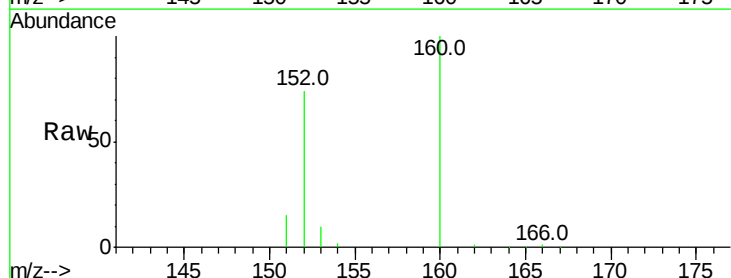
Tgt Ion:152 Resp: 30624

Ion Ratio Lower Upper

152 100

151 20.0 16.8 25.2

153 14.0 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

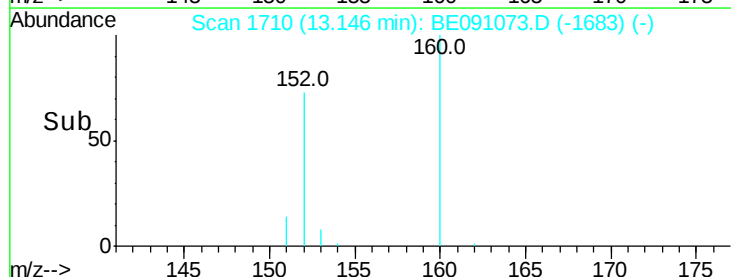
15000

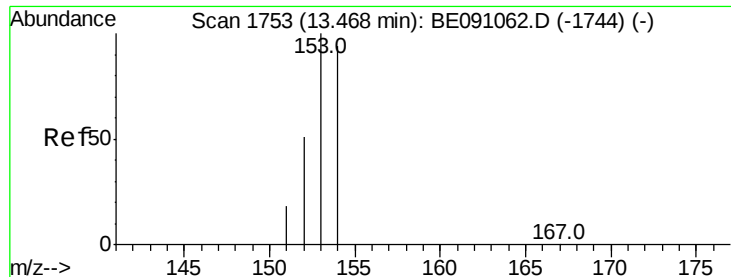
10000

5000

0

Time--> 13.10 13.20 13.30





#10

Acenaphthene

Concen: 6.52 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

Instrument :

BNA_E

ClientSampleId :

C0AP6

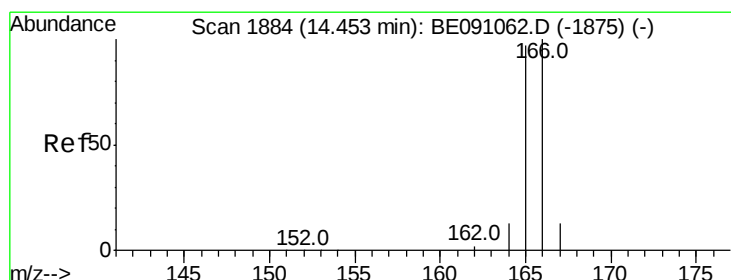
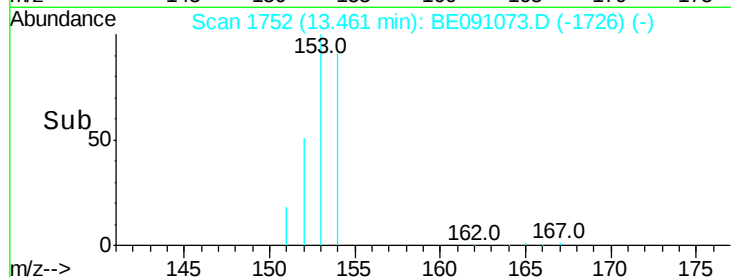
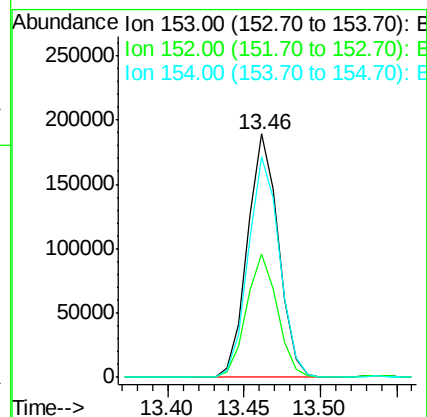
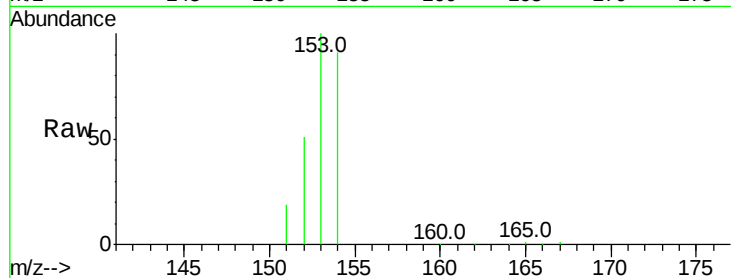
Tot Ion:153 Resp: 265834

Ion Ratio Lower Upper

153 100

152 50.7 42.3 63.5

154 90.5 64.7 97.1



#11

Fluorene

Concen: 6.22 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

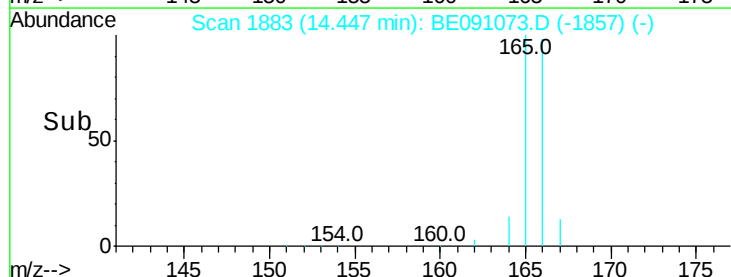
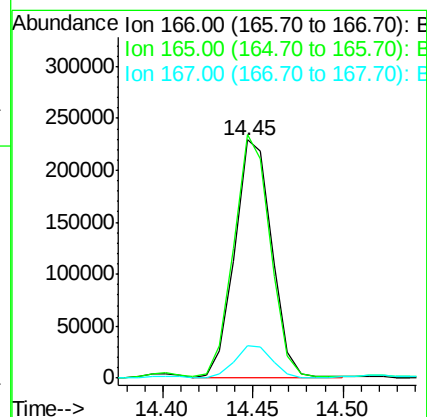
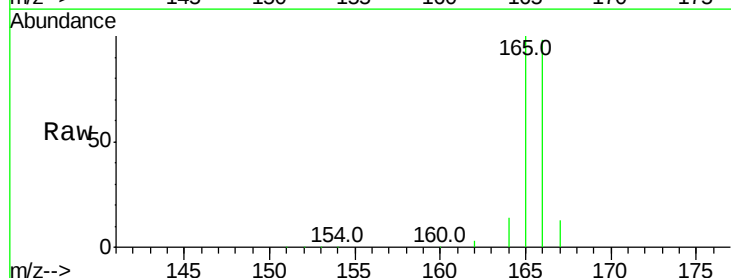
Tgt Ion:166 Resp: 326083

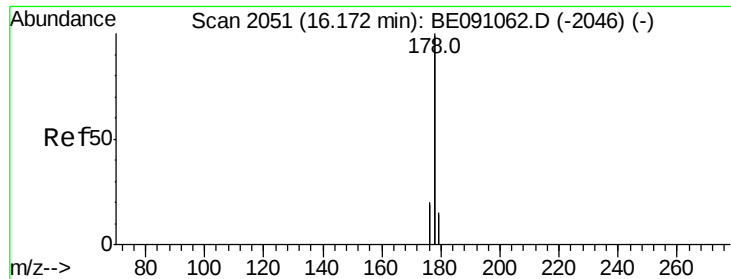
Ion Ratio Lower Upper

166 100

165 102.2 87.6 131.4

167 13.5 11.1 16.7





#14

Phenanthrene

Concen: 0.25 ng/ul

RT: 16.24 min Scan# 2057

Delta R.T. 0.07 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

Instrument :

BNA_E

ClientSampleId :

C0AP6

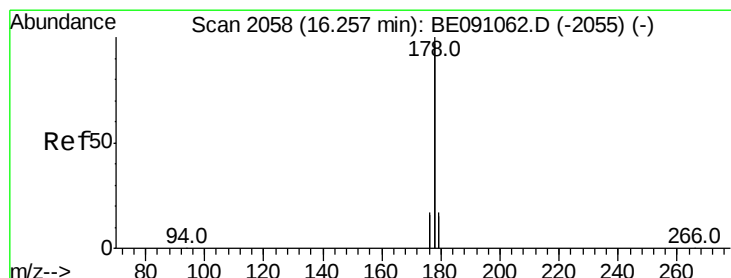
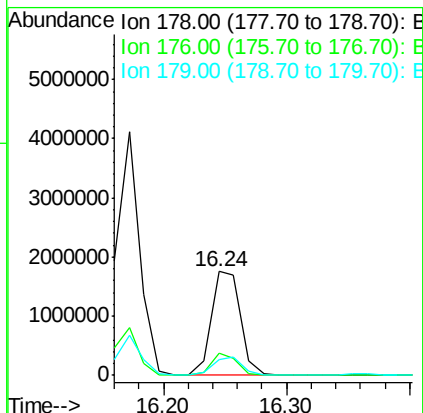
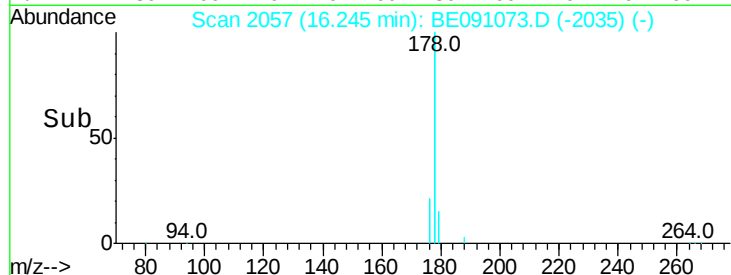
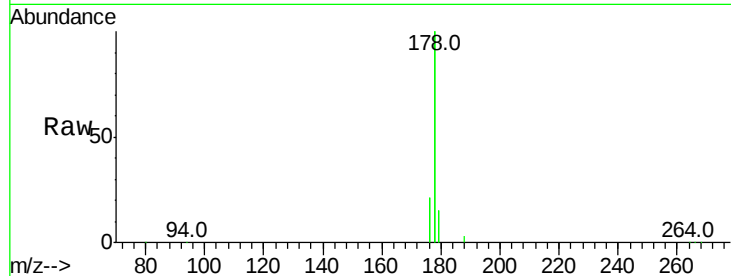
Tot Ion:178 Resp: 2860164

Ion Ratio Lower Upper

178 100

176 21.3 16.2 24.4

179 15.1 12.8 19.2



#15

Anthracene

Concen: 0.27 ng/ul

RT: 16.24 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

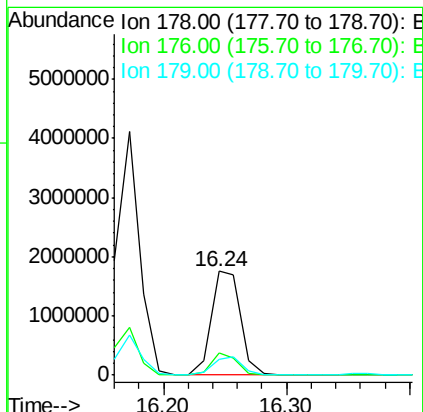
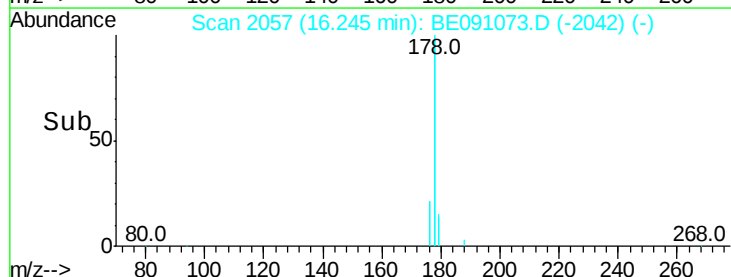
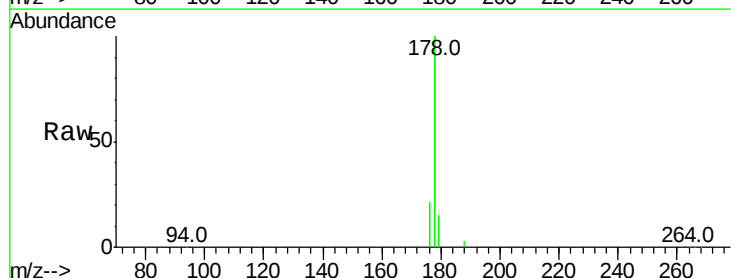
Tgt Ion:178 Resp: 2846921

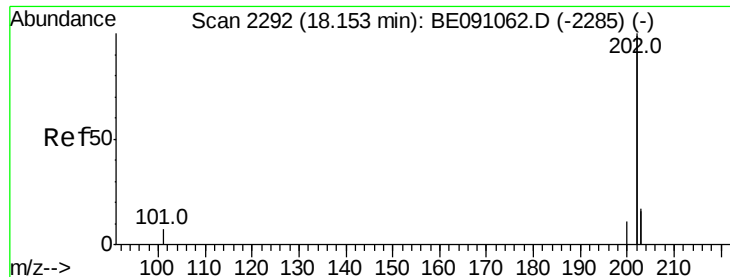
Ion Ratio Lower Upper

178 100

176 21.3 15.8 23.8

179 15.1 13.3 19.9

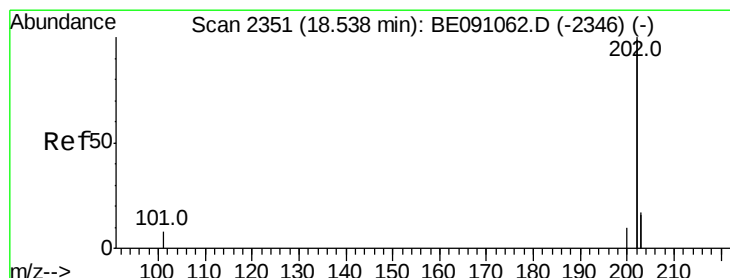
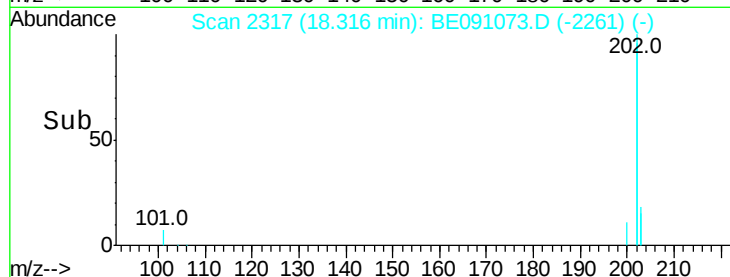
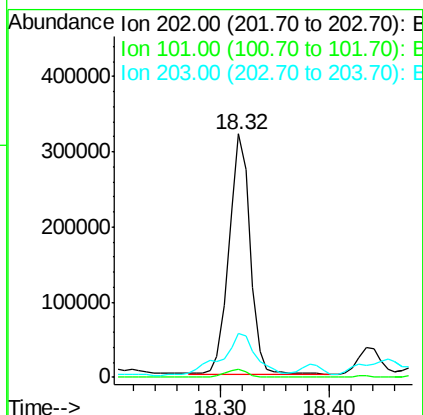
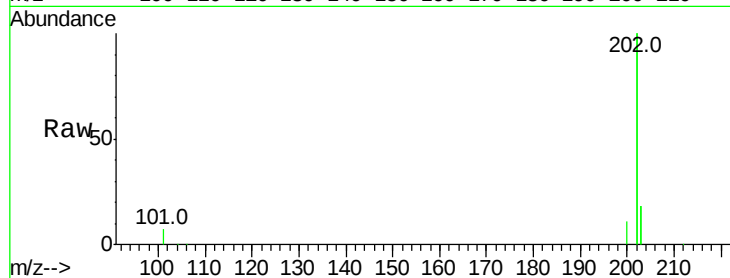




#17
Fluoranthene
Concen: 0.03 ng/ul
RT: 18.32 min Scan# 2317
Delta R.T. 0.16 min
Lab File: BE091073.D
Acq: 5 Nov 2015 19:04

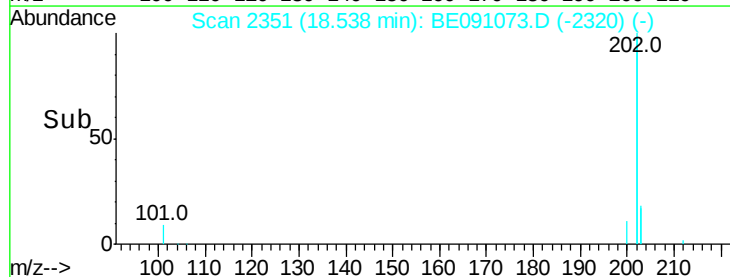
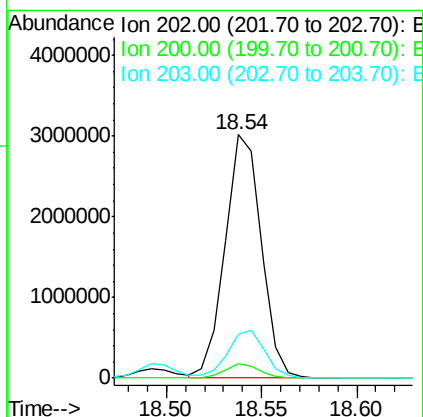
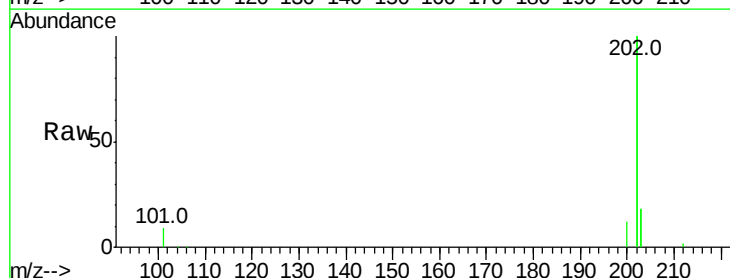
Instrument :
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ClientSampleId :
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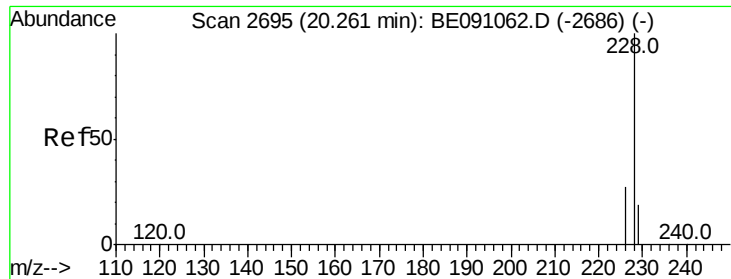
Tot Ion	Ratio	Lower	Upper
202	100		
101	3.5	0.0	33.1
203	18.0	0.0	37.2



#19
Pyrene
Concen: 10.84 ng/ul
RT: 18.54 min Scan# 2351
Delta R.T. -0.00 min
Lab File: BE091073.D
Acq: 5 Nov 2015 19:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.8	18.0	27.0#
203	18.1	13.8	20.6





#20

Benzo(a)anthracene

Concen: 6.18 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

Instrument :

BNA_E

ClientSampleId :

C0AP6

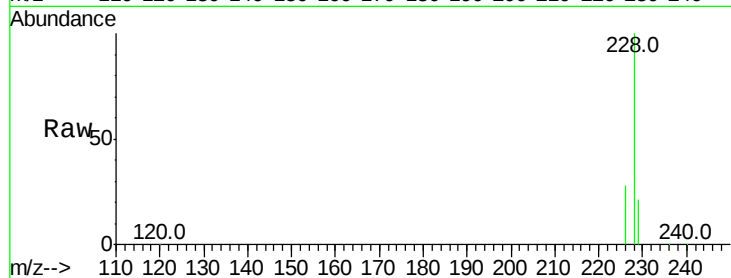
Tot Ion:228 Resp: 507295

Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.4

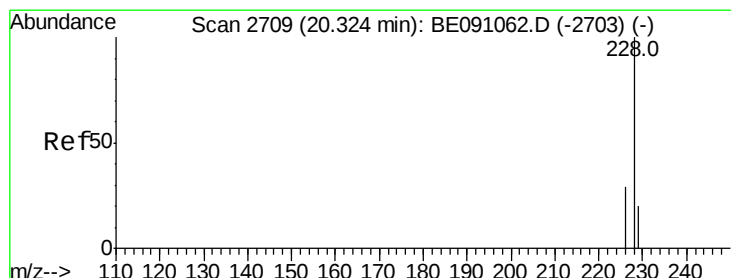
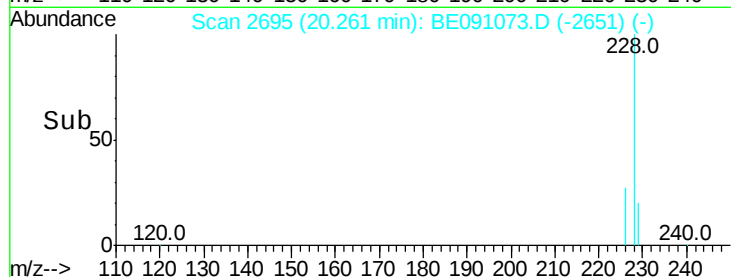
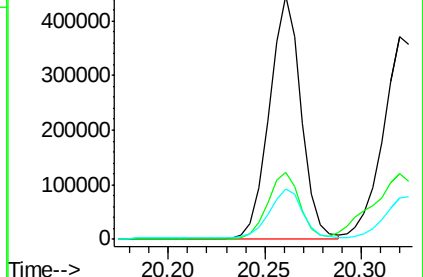
229 20.8 15.2 22.8



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: 5.18 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. -0.00 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

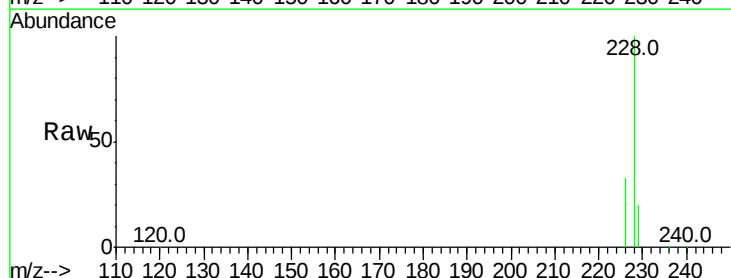
Tgt Ion:228 Resp: 489485

Ion Ratio Lower Upper

228 100

226 32.5 25.7 38.5

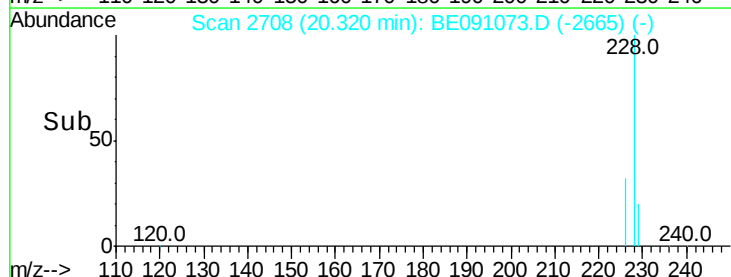
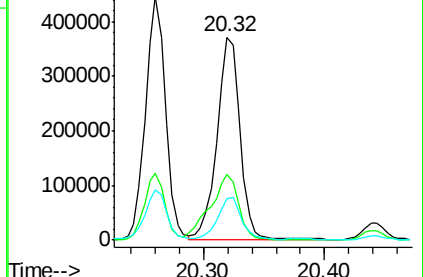
229 20.4 15.2 22.8

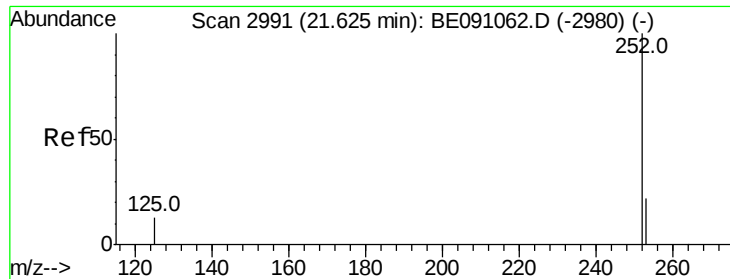


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 2.82 ng/ul

RT: 21.63 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

Instrument :

BNA_E

ClientSampleId :

C0AP6

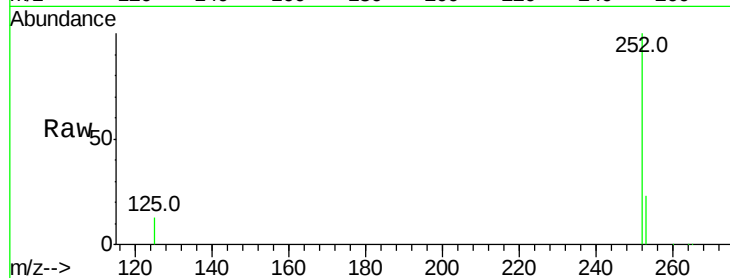
Tot Ion:252 Resp: 329399

Ion Ratio Lower Upper

252 100

253 22.6 0.0 48.0

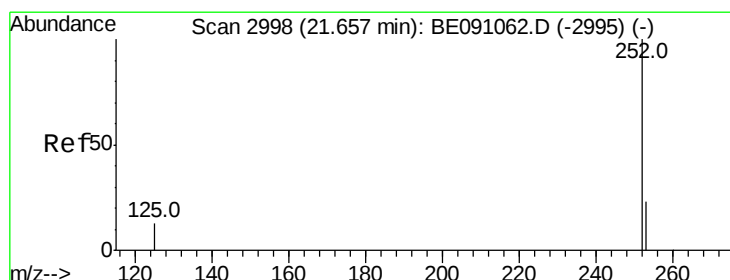
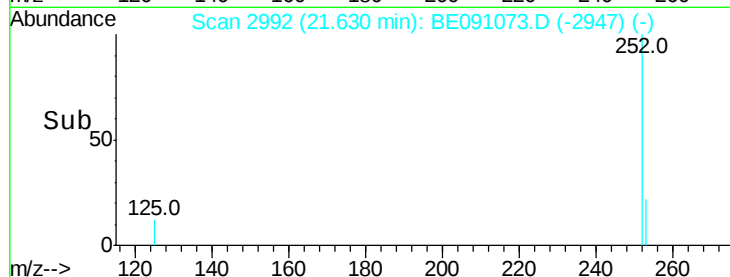
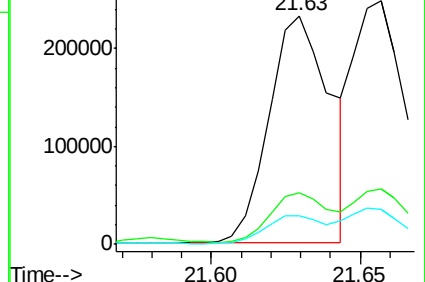
125 12.7 0.0 36.6



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: 2.57 ng/ul

RT: 21.66 min Scan# 2998

Delta R.T. -0.00 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

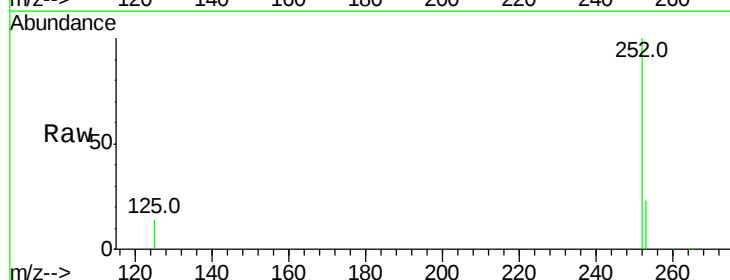
Tgt Ion:252 Resp: 307734

Ion Ratio Lower Upper

252 100

253 23.0 20.8 31.2

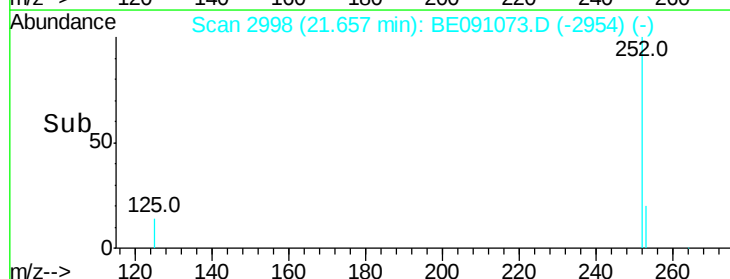
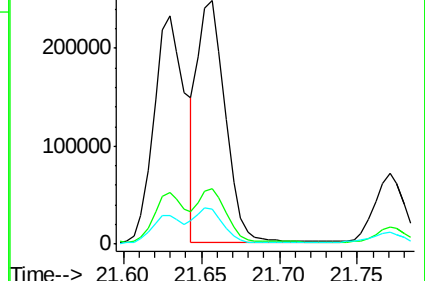
125 14.3 12.2 18.4

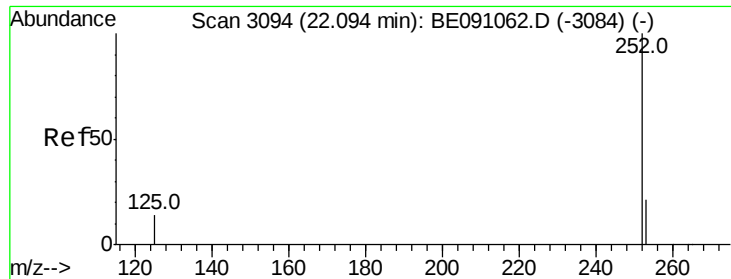


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 1.68 ng/ul

RT: 22.03 min Scan# 3081

Delta R.T. -0.06 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

Instrument :

BNA_E

ClientSampleId :

C0AP6

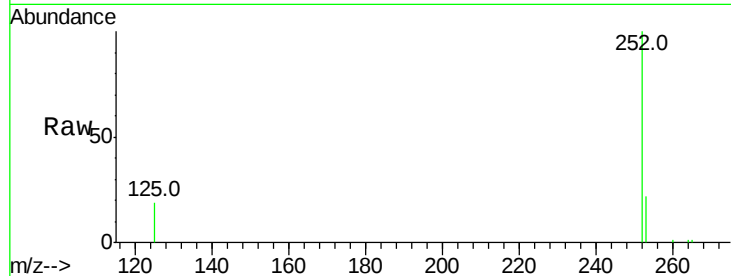
Tot Ion:252 Resp: 180312

Ion Ratio Lower Upper

252 100

253 22.4 21.8 32.8

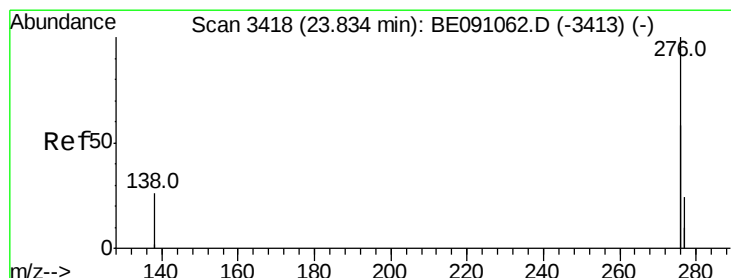
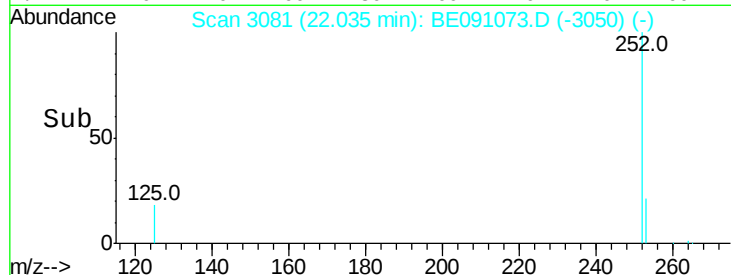
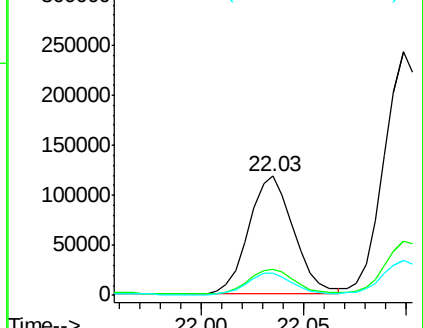
125 18.7 14.5 21.7



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.58 ng/ul

RT: 23.84 min Scan# 3419

Delta R.T. 0.01 min

Lab File: BE091073.D

Acq: 5 Nov 2015 19:04

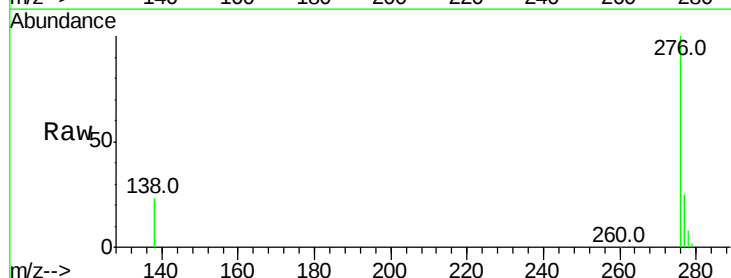
Tgt Ion:276 Resp: 717249

Ion Ratio Lower Upper

276 100

138 22.3 27.5 41.3#

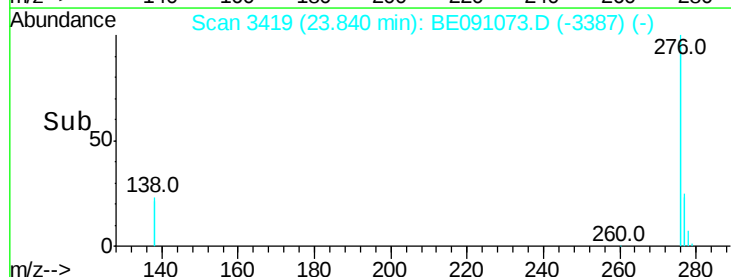
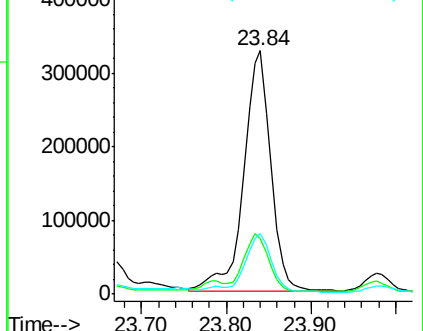
277 22.9 19.3 28.9

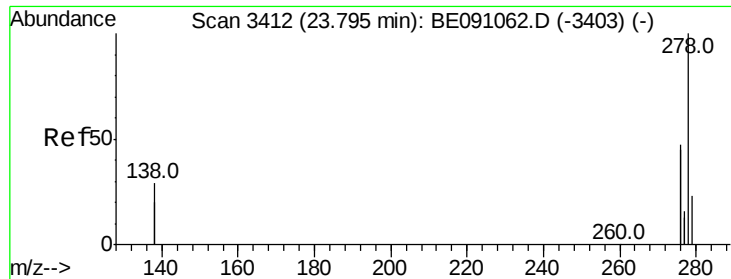


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



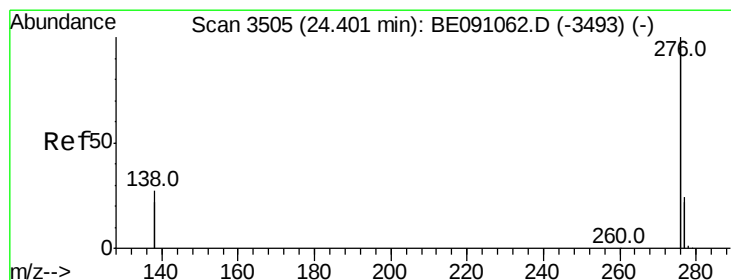
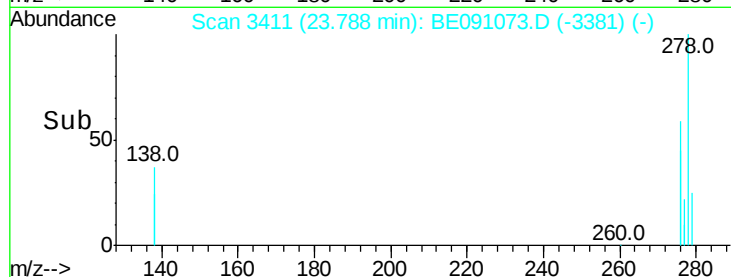
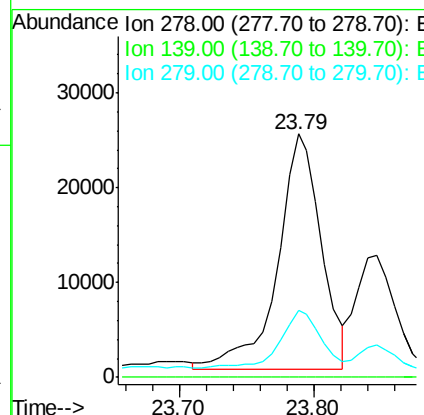
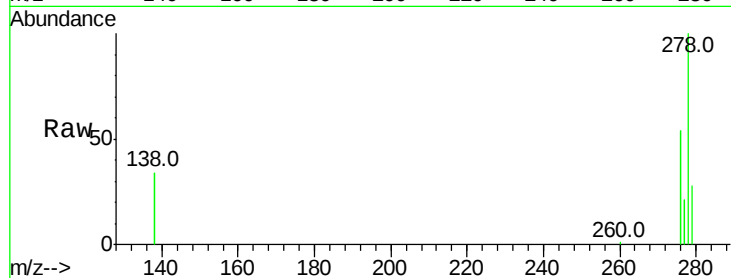


#27
Dibenzo(a,h)anthracene
Concen: 0.52 ng/ul
RT: 23.79 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BE091073.D
Acq: 5 Nov 2015 19:04

Instrument :
BNA_E
ClientSampleId :
C0AP6

Tot Ion:278 Resp: 56163

Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	27.6	21.9	32.9



#28
Benzo(g,h,i)perylene
Concen: 1.10 ng/ul
RT: 24.40 min Scan# 3505
Delta R.T. 0.00 min
Lab File: BE091073.D
Acq: 5 Nov 2015 19:04

Tgt Ion:276 Resp: 523422

Ion	Ratio	Lower	Upper
276	100		
277	25.1	21.3	31.9
138	26.2	25.5	38.3

