

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112415\
 Data File : BE091316.D
 Acq On : 24 Nov 2015 9:29
 Operator : UM/NP
 Sample : G4322-08RXDL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR9RXDL

Quant Time: Nov 24 11:14:32 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 : Tue Nov 24 02:51:08 2015
 Response via : Initial Calibration

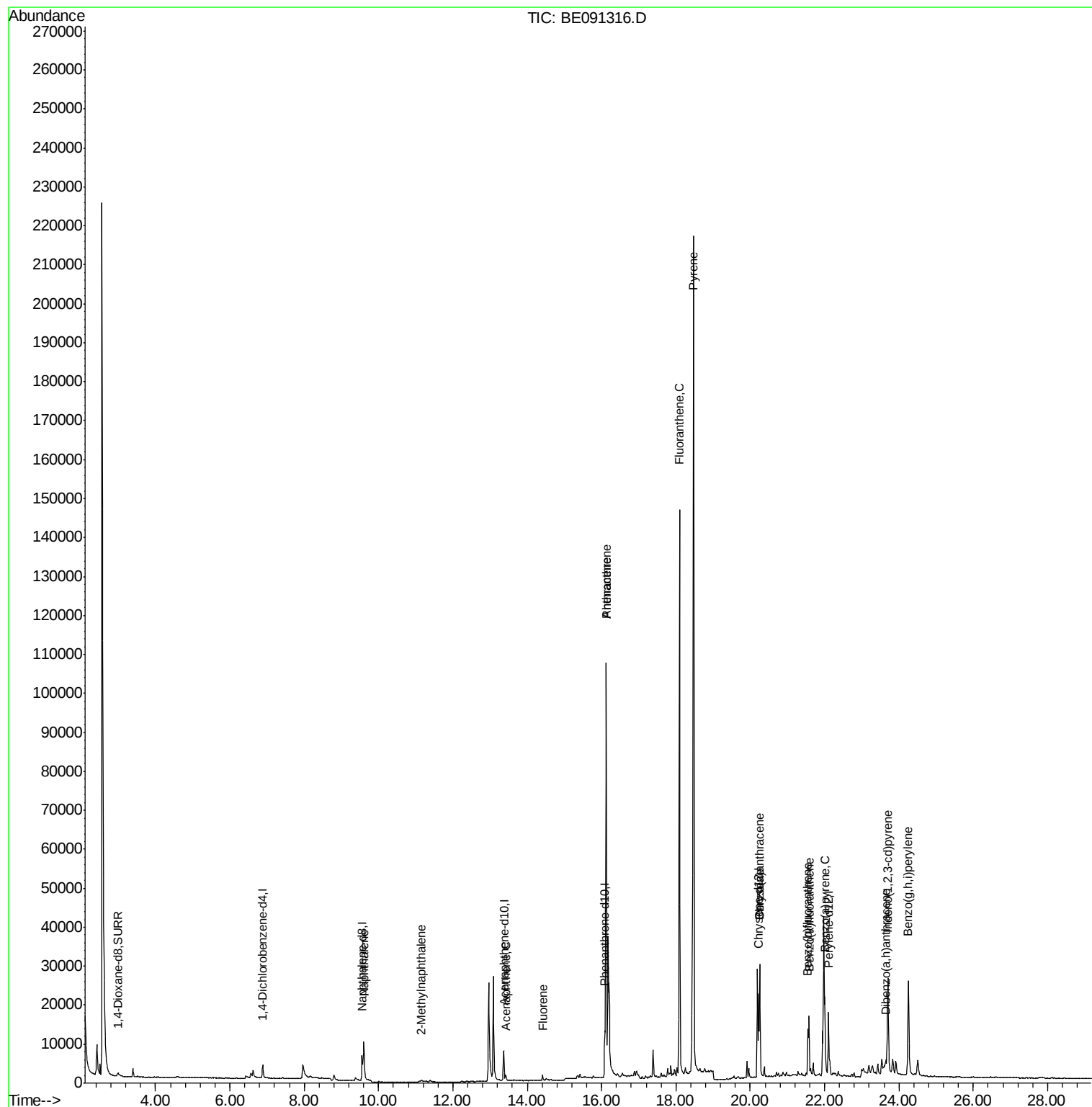
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2034	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	9692	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4641	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	13954	0.40	ng/ul	0.00
18) Chrysene-d12	20.22	240	18776	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	17094	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.99	96	1376	0.94	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.09	152	235	0.02	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	570	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.60	128	16748	0.70	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	747	0.05	ng/ul	99
10) Acenaphthene	13.42	153	817	0.05	ng/ul#	85
11) Fluorene	14.41	166	1109	0.05	ng/ul#	93
14) Phenanthrene	16.12	178	124989	0.78	ng/ul	97
15) Anthracene	16.12	178	124680	0.85	ng/ul	97
17) Fluoranthene	18.09	202	161590	0.86	ng/ul	88
19) Pyrene	18.47	202	237903	1.12	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	26238	0.54	ng/ul	95
21) Chrysene	20.26	228	27098	0.49	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	14048	0.26	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	15637	0.29	ng/ul#	93
25) Benzo(a)pyrene	22.01	252	20285	0.41	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.70	276	34594	0.17	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.65	278	3340	0.07	ng/ul#	68
28) Benzo(g,h,i)perylene	24.25	276	39113	0.18	ng/ul	98

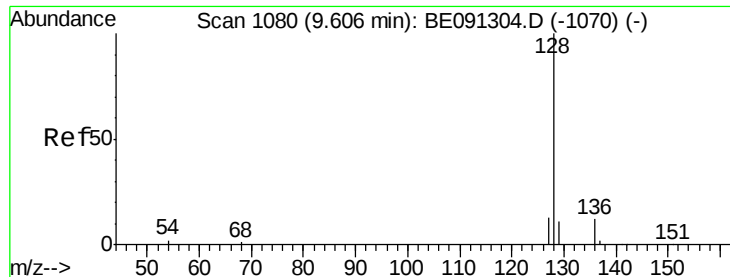
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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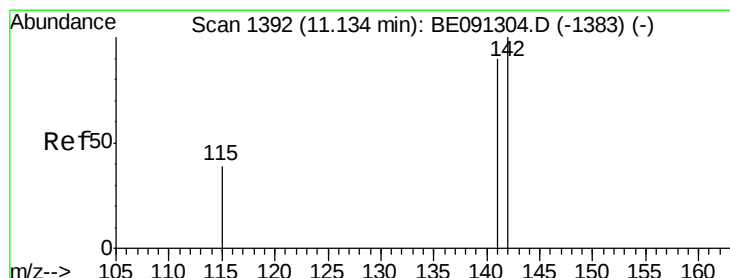
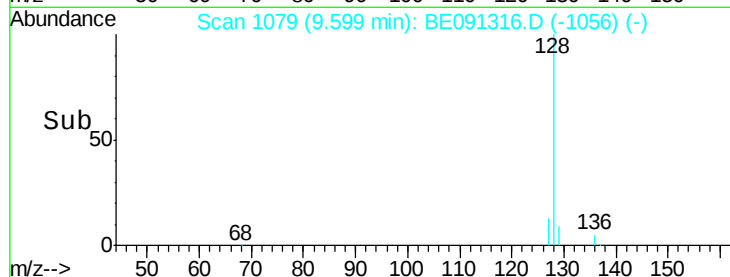
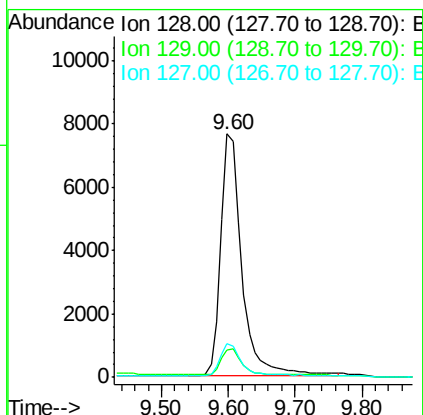
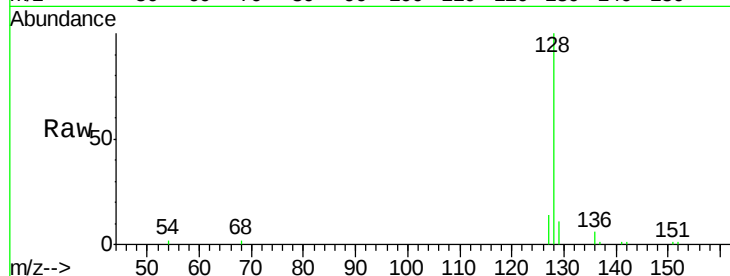




#5
Naphthalene
Concen: 0.70 ng/ul
RT: 9.60 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BE091316.D
Acq: 24 Nov 2015 9:29

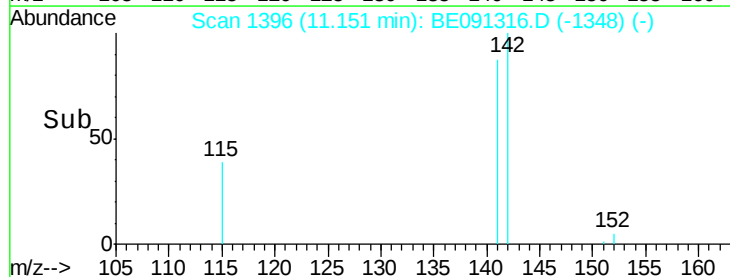
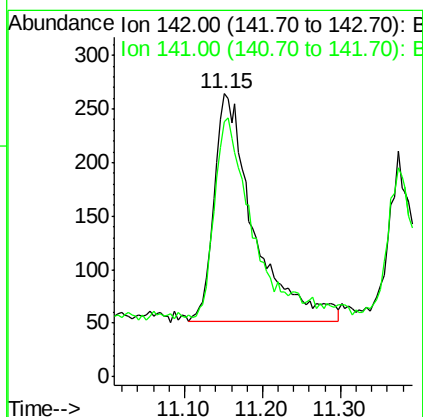
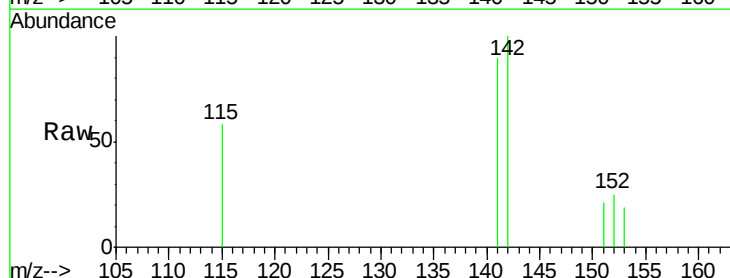
Instrument :
BNA_E
ClientSampleId :
A4HR9RXDL

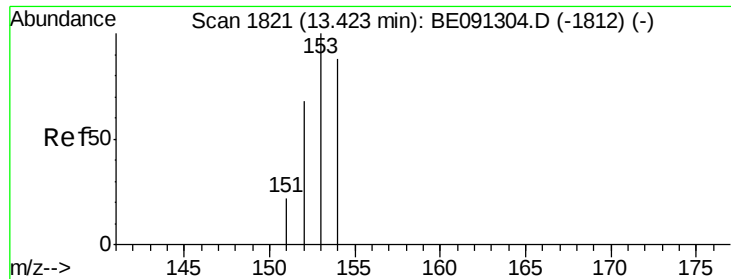
Tgt Ion:128 Resp: 16748
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.8
127 14.0 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.05 ng/ul
RT: 11.15 min Scan# 1396
Delta R.T. 0.02 min
Lab File: BE091316.D
Acq: 24 Nov 2015 9:29

Tgt Ion:142 Resp: 747
Ion Ratio Lower Upper
142 100
141 86.7 70.3 105.5





#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

A4HR9RXDL

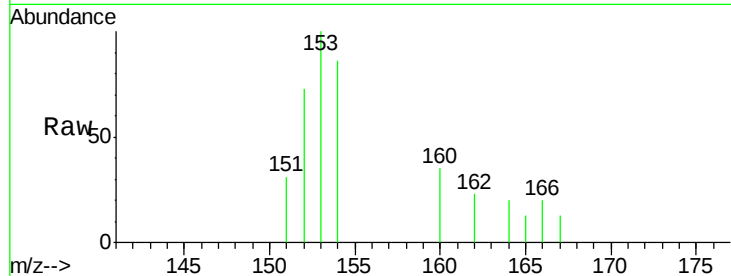
Tgt Ion:153 Resp: 817

Ion Ratio Lower Upper

153 100

152 73.1 42.3 63.5#

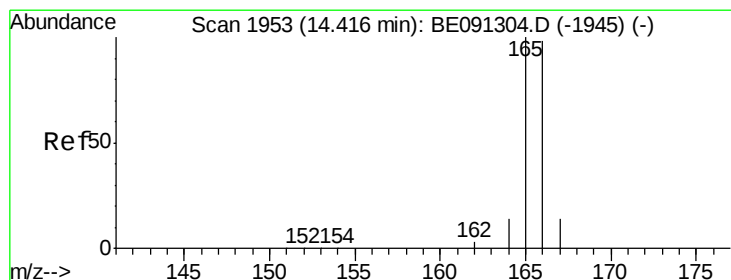
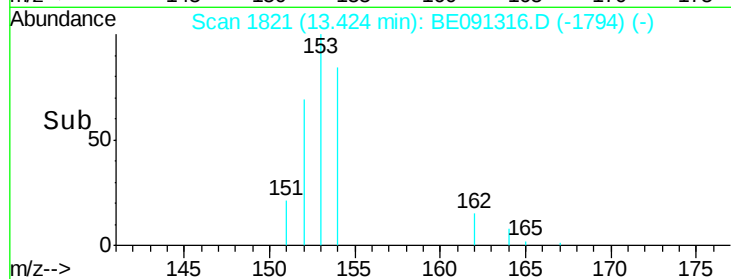
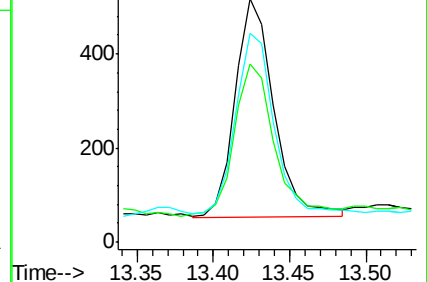
154 85.7 64.7 97.1



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: 0.05 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

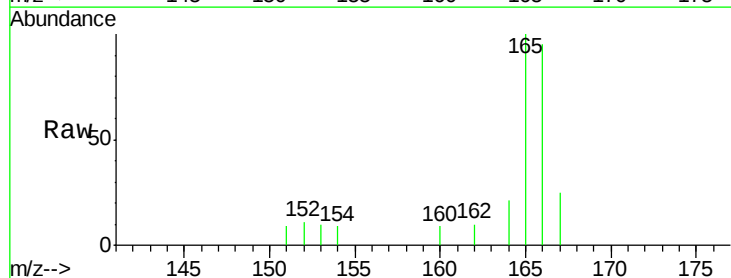
Tgt Ion:166 Resp: 1109

Ion Ratio Lower Upper

166 100

165 104.7 87.6 131.4

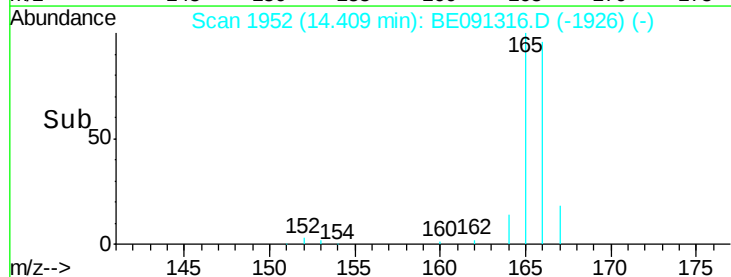
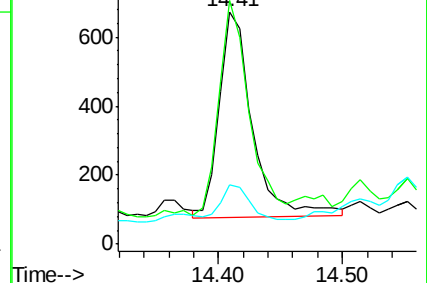
167 25.7 11.1 16.7#

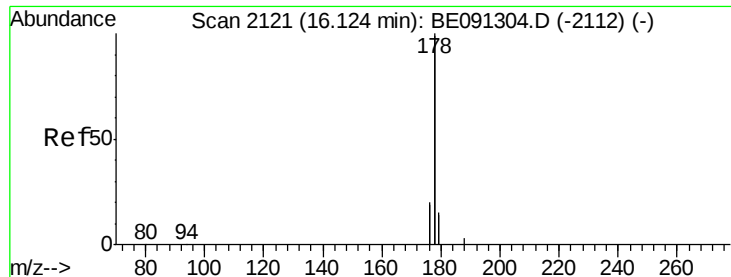


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 0.78 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

A4HR9RXDL

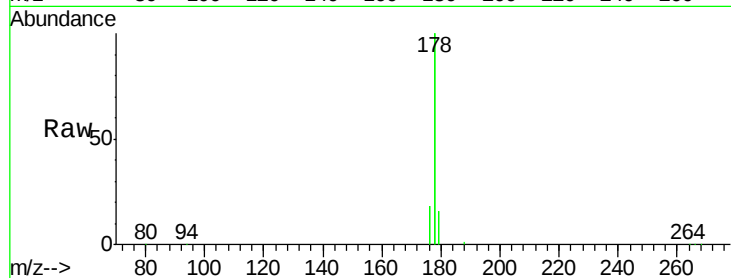
Tgt Ion:178 Resp: 124989

Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

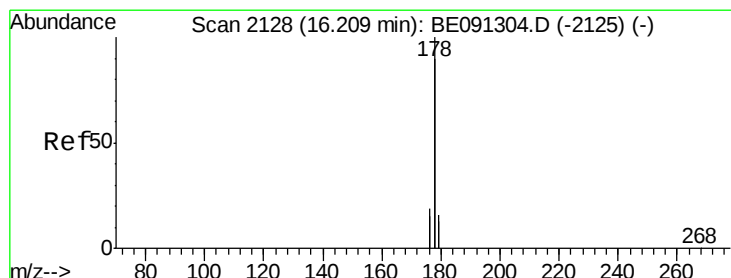
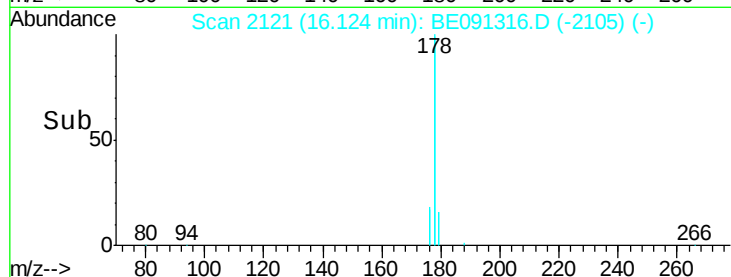
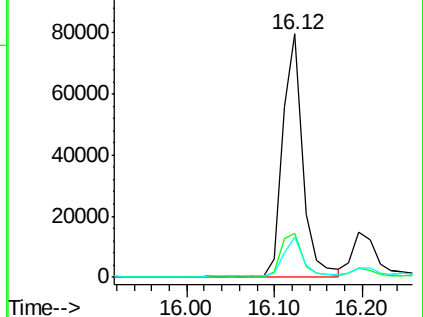
179 16.4 12.8 19.2



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

Anthracene

Concen: 0.85 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.09 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

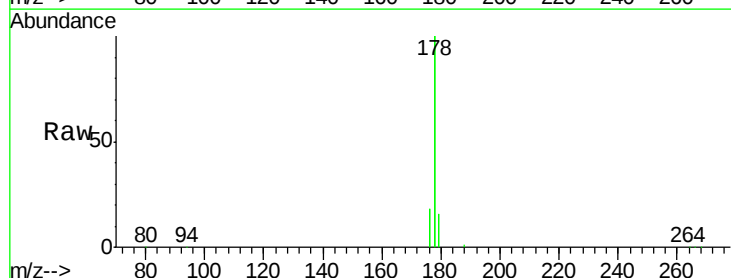
Tgt Ion:178 Resp: 124680

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

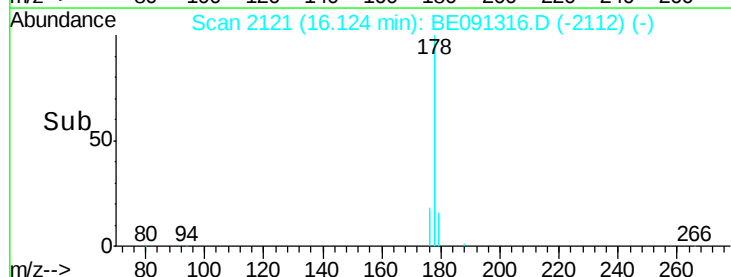
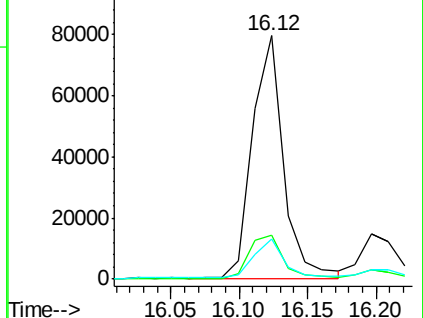
179 16.4 13.3 19.9

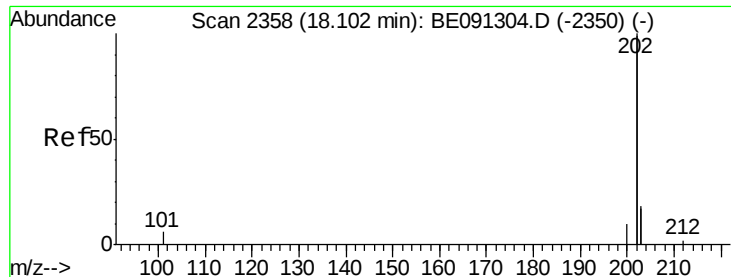


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.86 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

A4HR9RXDL

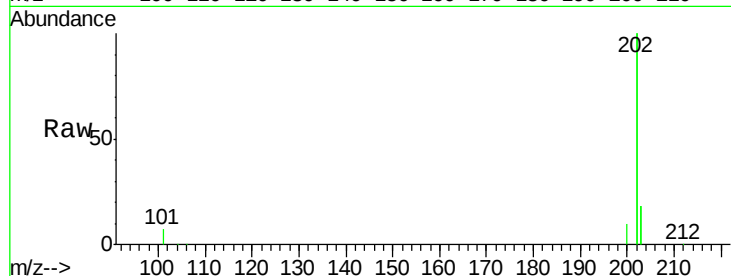
Tgt Ion:202 Resp: 161590

Ion Ratio Lower Upper

202 100

101 3.4 0.0 33.1

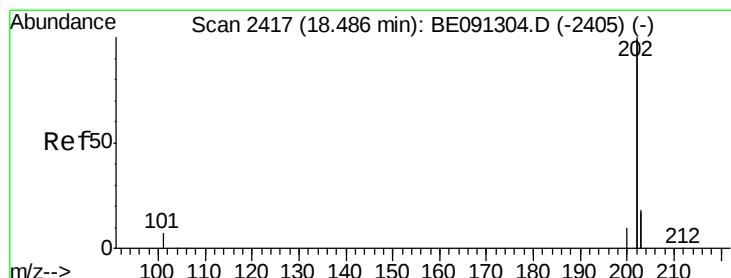
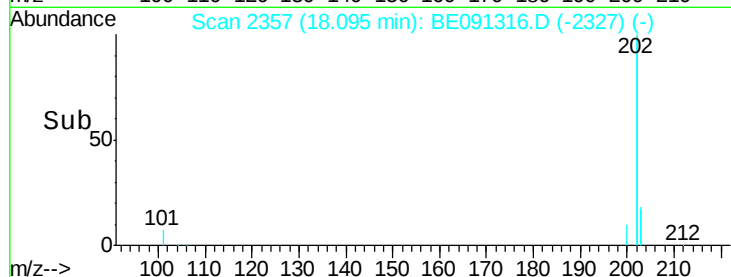
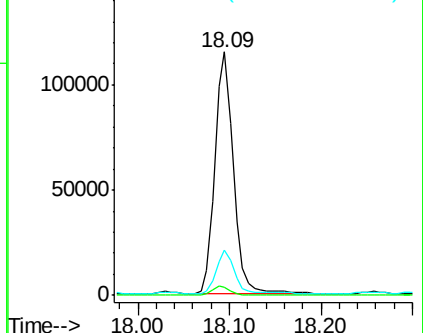
203 18.3 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 1.12 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

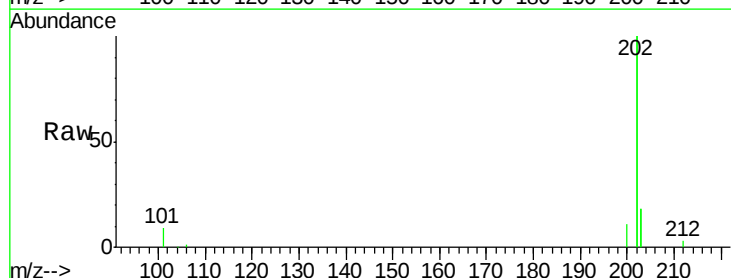
Tgt Ion:202 Resp: 237903

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

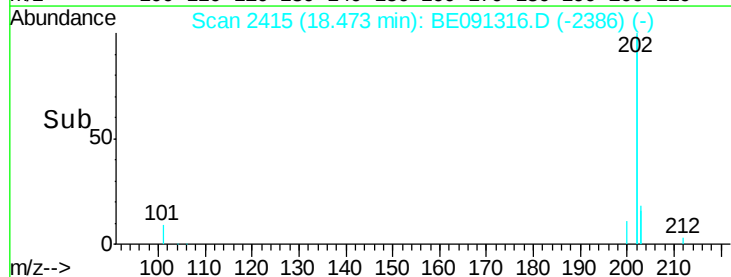
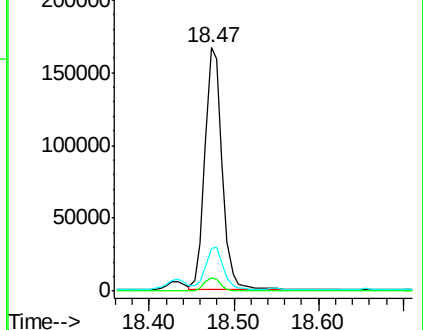
203 17.6 13.8 20.6

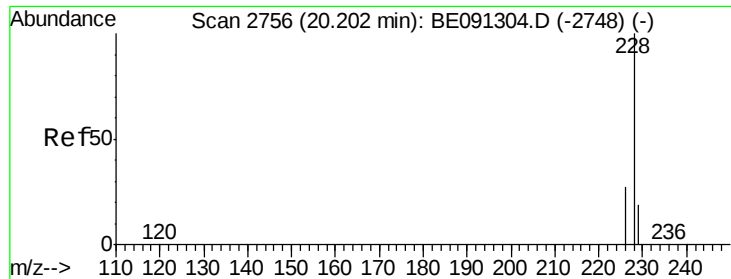


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.05 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

A4HR9RXDL

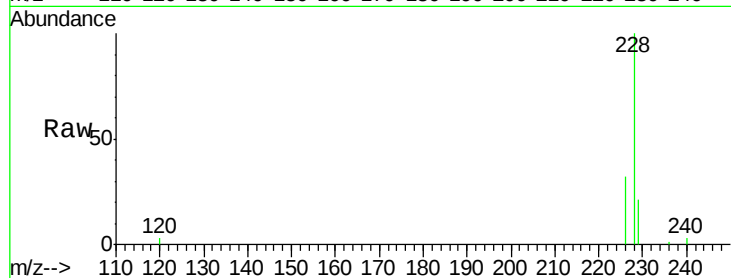
Tgt Ion:228 Resp: 26238

Ion Ratio Lower Upper

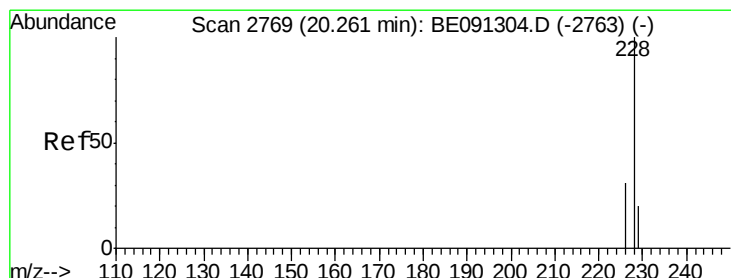
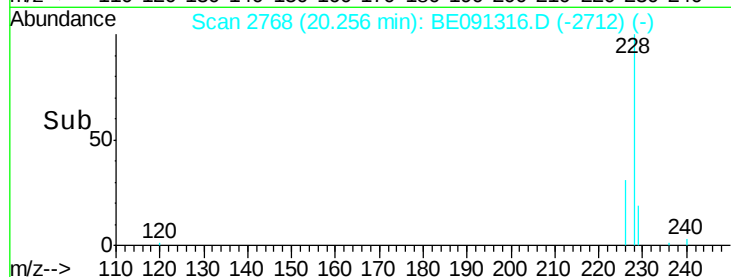
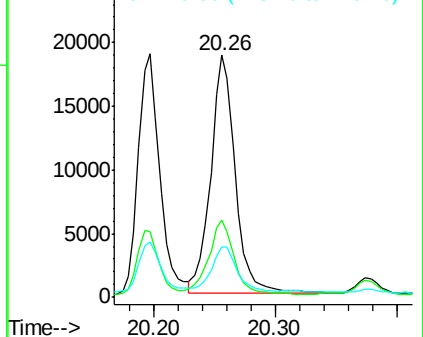
228 100

226 31.7 23.0 34.4

229 20.9 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: 0.49 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

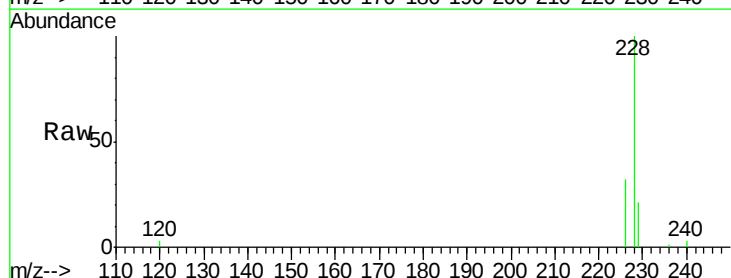
Tgt Ion:228 Resp: 27098

Ion Ratio Lower Upper

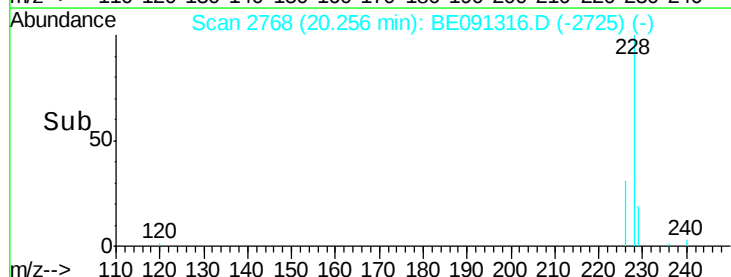
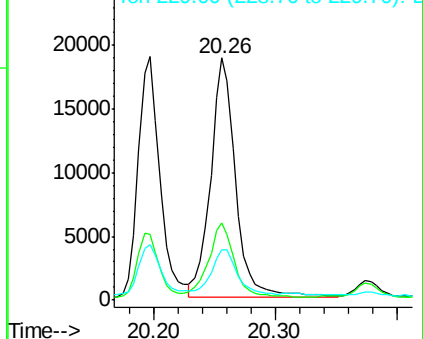
228 100

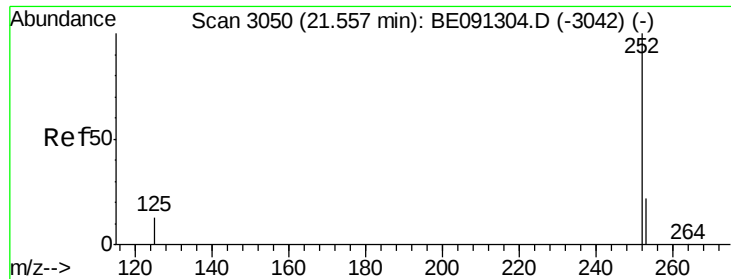
226 31.7 25.7 38.5

229 20.9 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: 0.26 ng/u1

RT: 21.55 min Scan# 3049

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

A4HR9RXDL

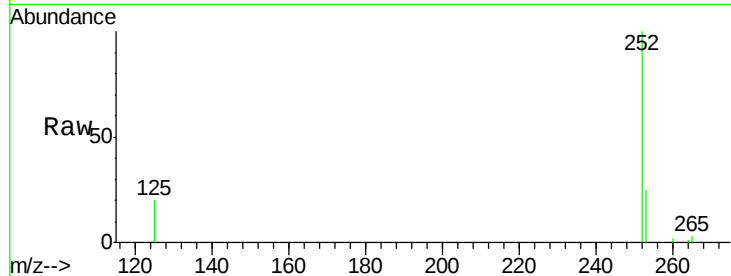
Tgt Ion:252 Resp: 14048

Ion Ratio Lower Upper

252 100

253 24.8 0.0 48.0

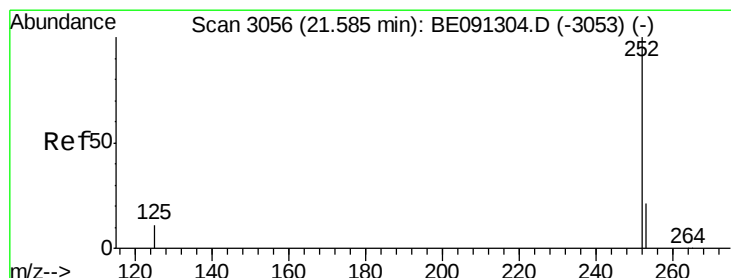
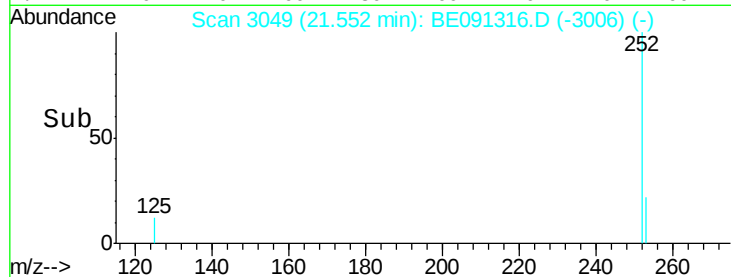
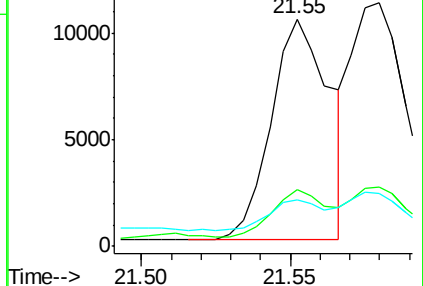
125 20.3 0.0 36.6



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: 0.29 ng/u1

RT: 21.58 min Scan# 3055

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

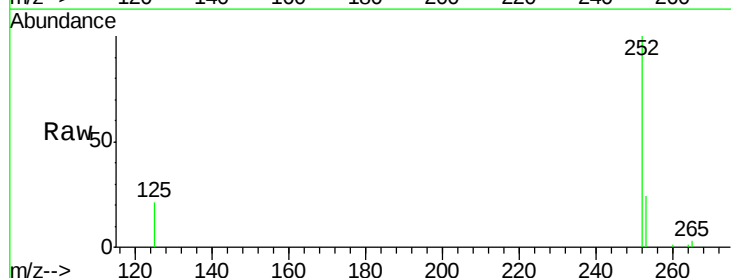
Tgt Ion:252 Resp: 15637

Ion Ratio Lower Upper

252 100

253 24.5 20.8 31.2

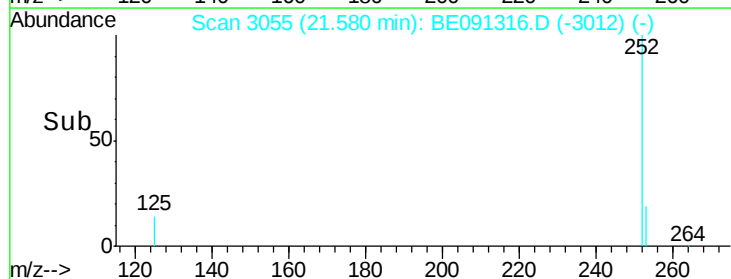
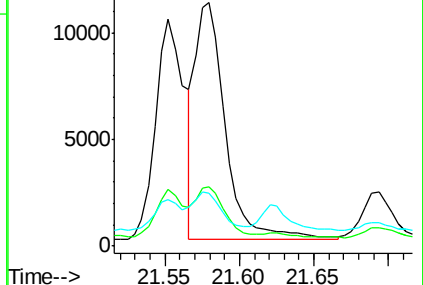
125 21.5 12.2 18.4#

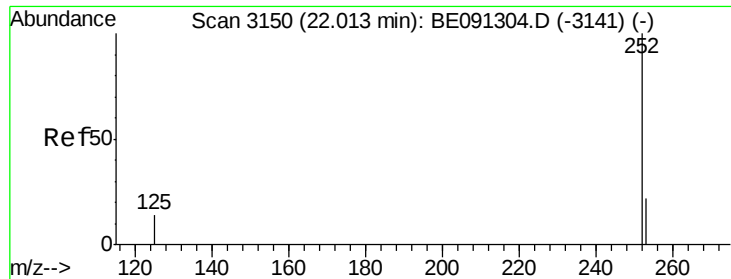


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

A4HR9RXDL

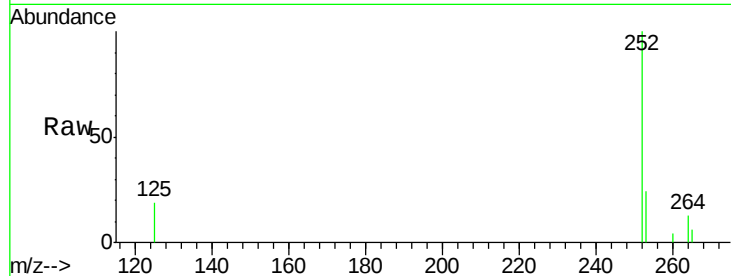
Tgt Ion:252 Resp: 20285

Ion Ratio Lower Upper

252 100

253 23.8 21.8 32.8

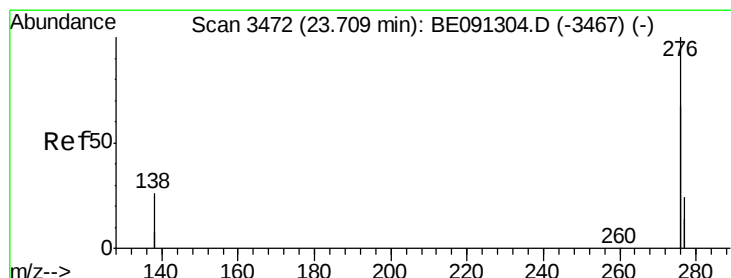
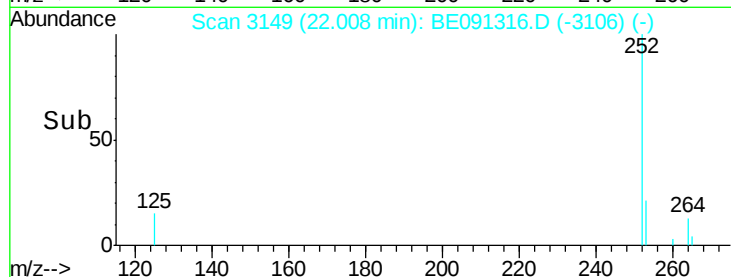
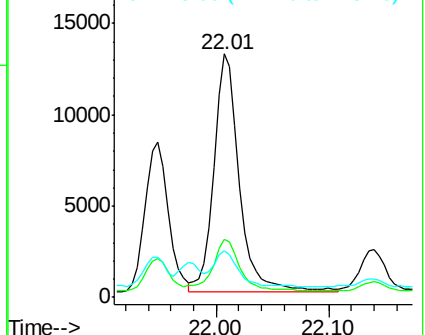
125 19.3 14.5 21.7



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: 0.17 ng/ul

RT: 23.70 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

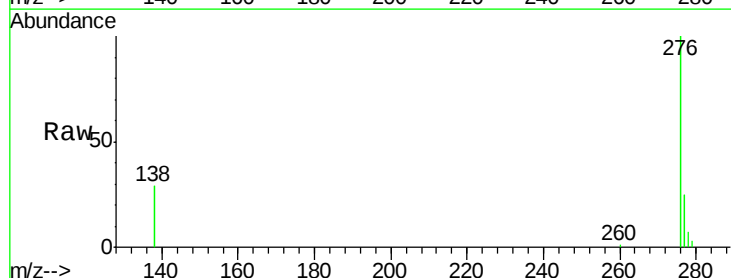
Tgt Ion:276 Resp: 34594

Ion Ratio Lower Upper

276 100

138 26.9 27.5 41.3#

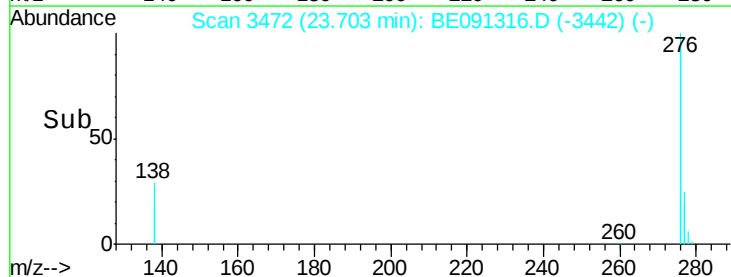
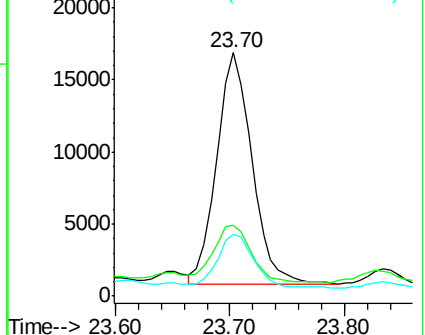
277 24.0 19.3 28.9

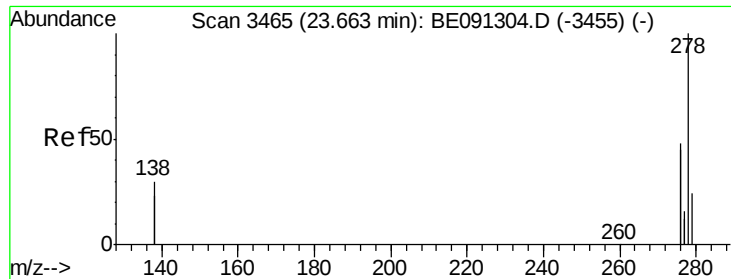


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

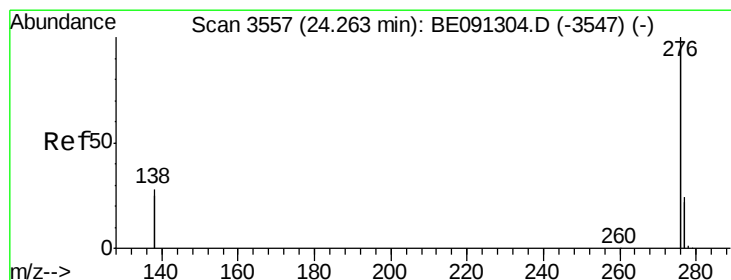
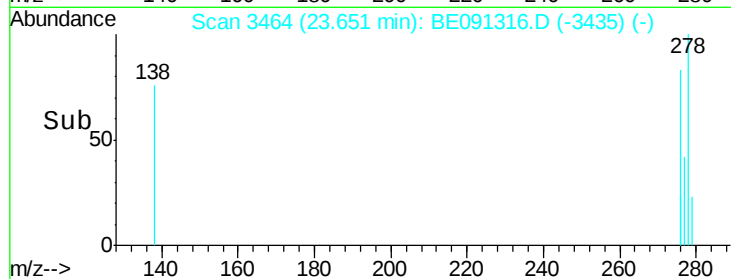
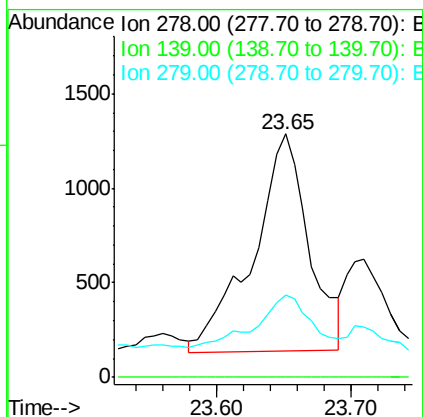
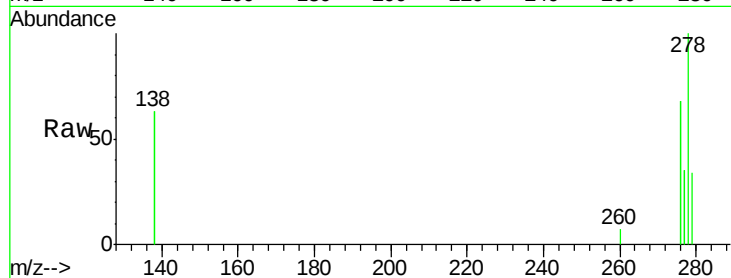




#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 23.65 min Scan# 3464
Delta R.T. -0.01 min
Lab File: BE091316.D
Acq: 24 Nov 2015 9:29

Instrument :
BNA_E
ClientSampleId :
A4HR9RXDL

Tgt Ion: 278 Resp: 3340
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 33.5 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.18 ng/ul
RT: 24.25 min Scan# 3556
Delta R.T. -0.01 min
Lab File: BE091316.D
Acq: 24 Nov 2015 9:29

Tgt Ion: 276 Resp: 39113
Ion Ratio Lower Upper
276 100
277 25.1 21.3 31.9
138 31.6 25.5 38.3

