

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111715\
 Data File : BE091214.D
 Acq On : 17 Nov 2015 21:08
 Operator : UM/NP
 Sample : G4273-04DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 18 04:26:44 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 Nov 18 04:23:52 2015
 Response via : Initial Calibration

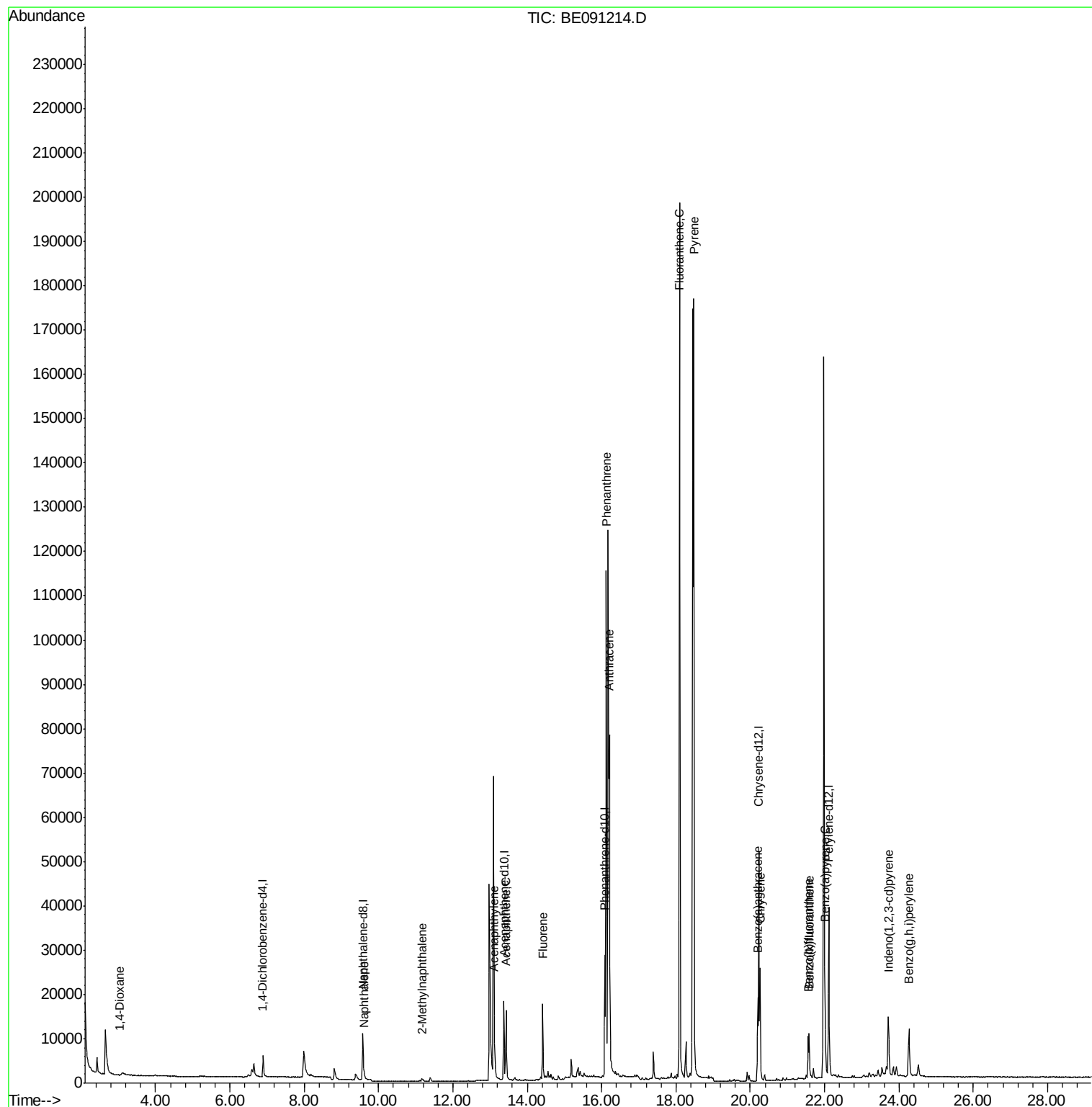
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2852	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	15367	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	9610	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	29229	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	46805	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	41535	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.98	96	34	0.02	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.11	152	443	0.02	ng/ul	0.04
16) Fluoranthene-d10	18.08	212	1632	0.02	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.03	88	70	0.03	ng/ul#	24
5) Naphthalene	9.62	128	1158	0.03	ng/ul#	80
7) 2-Methylnaphthalene	11.17	142	963	0.04	ng/ul	97
9) Acenaphthylene	13.12	152	2144	0.04	ng/ul#	95
10) Acenaphthene	13.43	153	9573	0.29	ng/ul	89
11) Fluorene	14.42	166	12103	0.29	ng/ul	89
14) Phenanthrene	16.12	178	117649	0.35	ng/ul	98
15) Anthracene	16.21	178	97407	0.32	ng/ul	97
17) Fluoranthene	18.10	202	230026	0.58	ng/ul	88
19) Pyrene	18.48	202	186941	0.35	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	16496	0.14	ng/ul	97
21) Chrysene	20.26	228	23095	0.17	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	9339	0.07	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	10498	0.08	ng/ul	98
25) Benzo(a)pyrene	22.01	252	12215	0.10	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.72	276	19374	0.04	ng/ul#	90
28) Benzo(a,h,i)perylene	24.27	276	19143	0.04	ng/ul	98

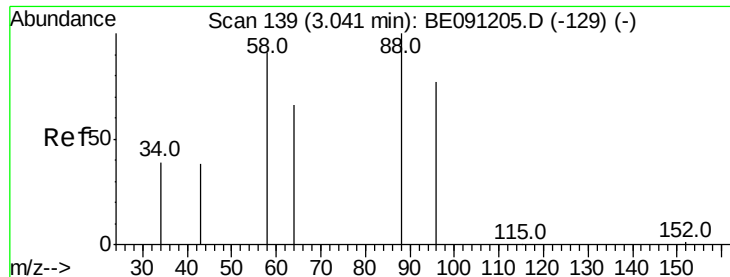
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.03 min Scan# 137

Delta R.T. -0.01 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

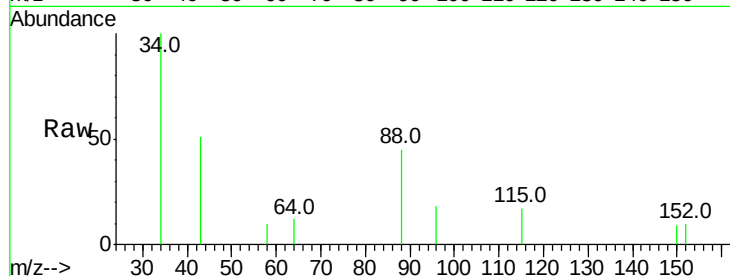
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

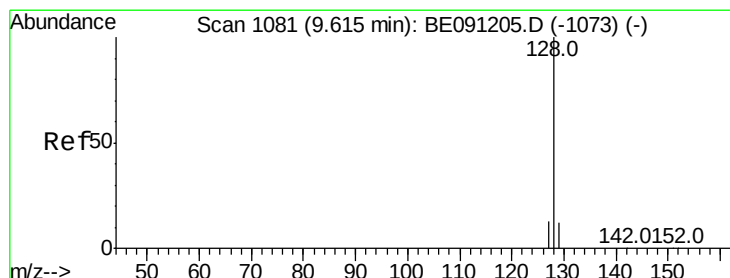
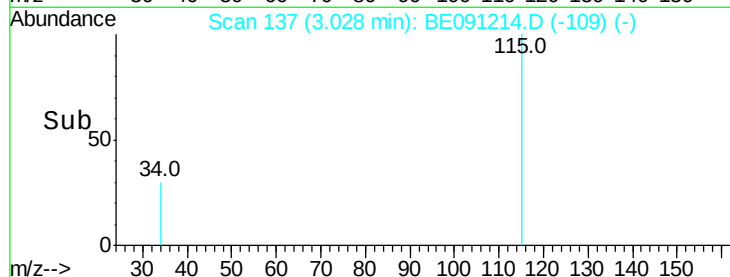
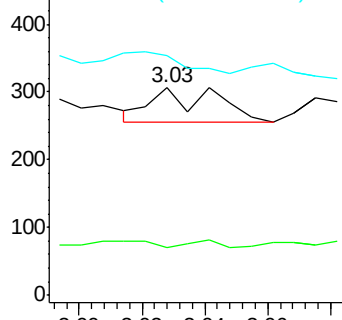
43 60.0 24.2 36.2#



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: 0.03 ng/ul

RT: 9.62 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

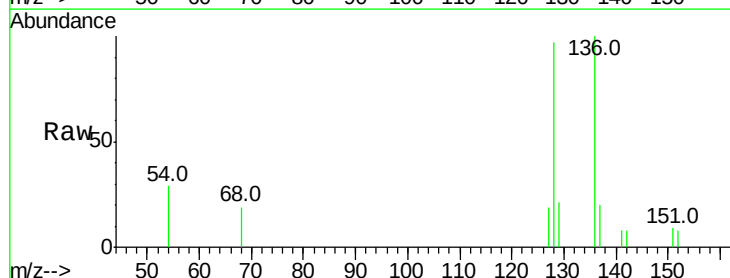
Tgt Ion: 128 Resp: 1158

Ion Ratio Lower Upper

128 100

129 21.8 9.8 14.8#

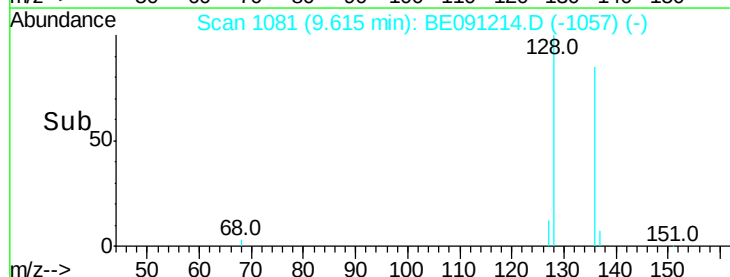
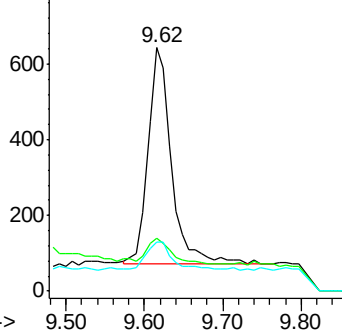
127 20.1 10.7 16.1#

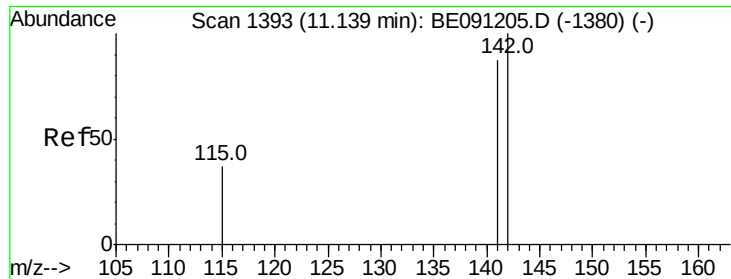


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 11.17 min Scan# 1399

Delta R.T. 0.03 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

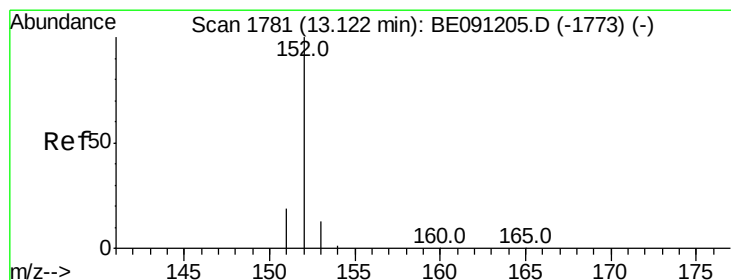
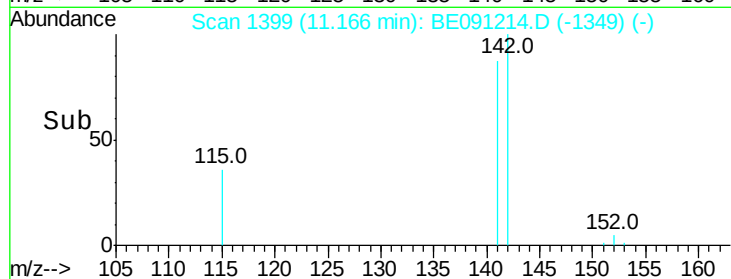
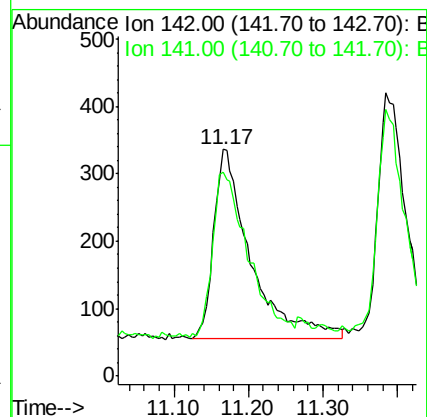
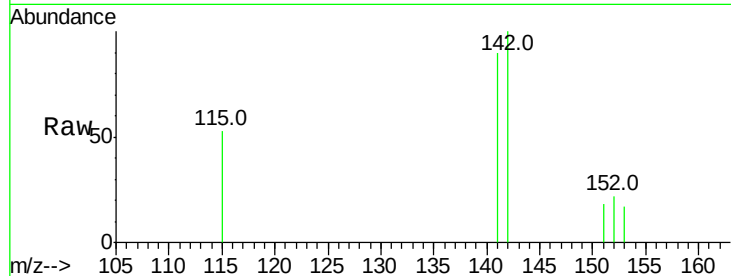
ClientSampled :

Tot Ion:142 Resp: 963

Ion Ratio Lower Upper

142 100

141 85.6 70.3 105.5



#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

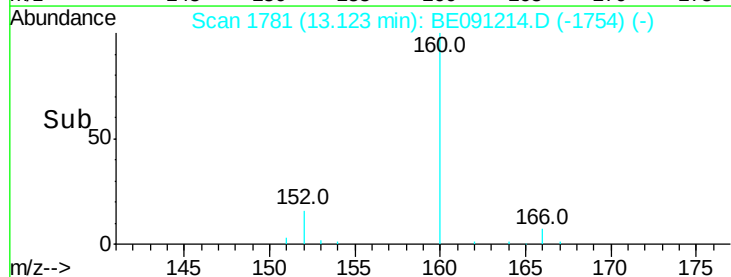
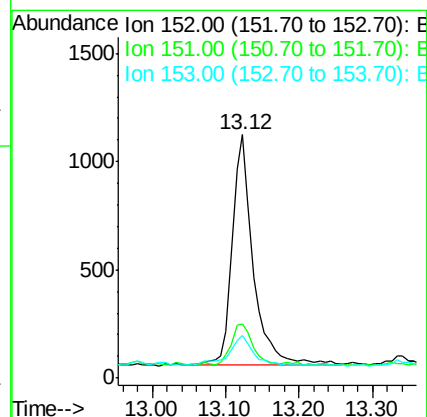
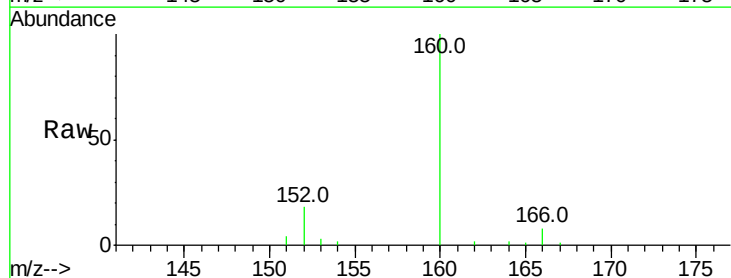
Tgt Ion:152 Resp: 2144

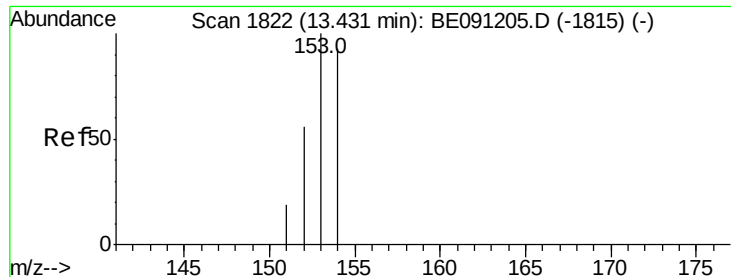
Ion Ratio Lower Upper

152 100

151 22.3 16.8 25.2

153 17.5 11.3 16.9#





#10

Acenaphthene

Concen: 0.29 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

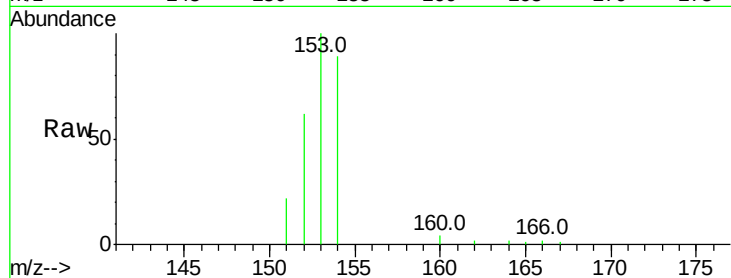
Tot Ion:153 Resp: 9573

Ion Ratio Lower Upper

153 100

152 62.1 42.3 63.5

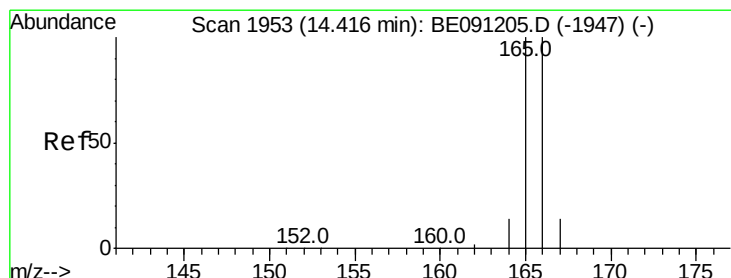
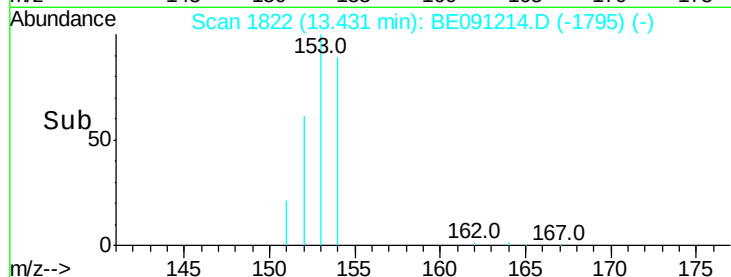
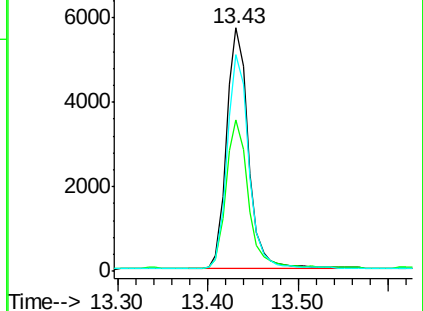
154 89.2 64.7 97.1



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: 0.29 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

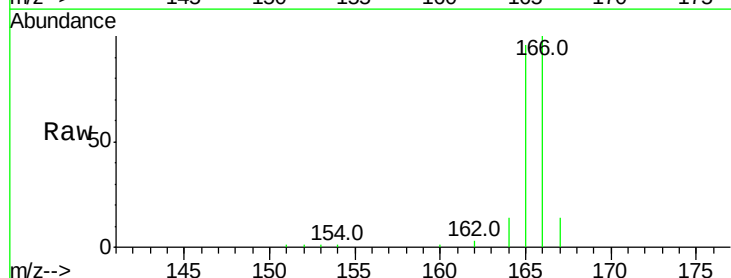
Tgt Ion:166 Resp: 12103

Ion Ratio Lower Upper

166 100

165 96.1 87.6 131.4

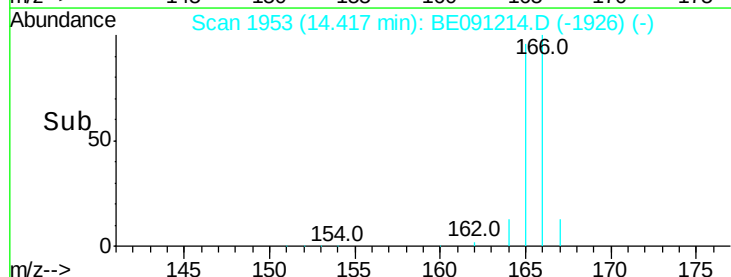
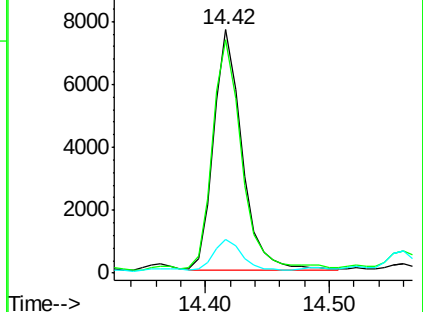
167 13.9 11.1 16.7

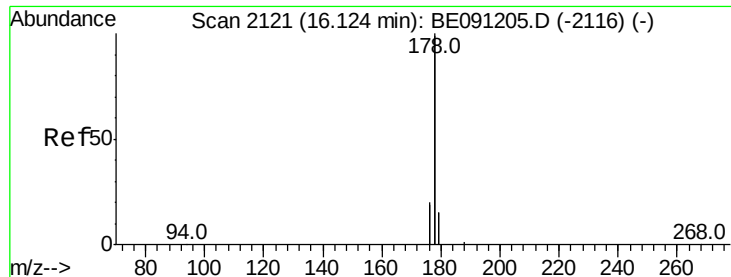


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

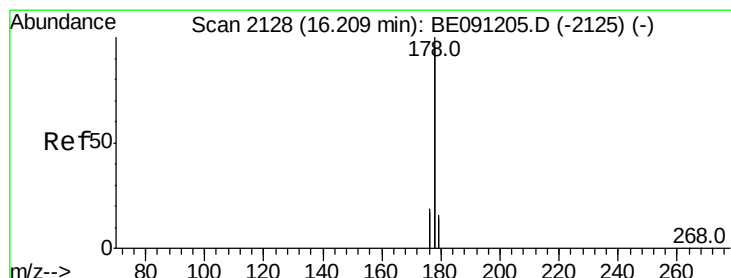
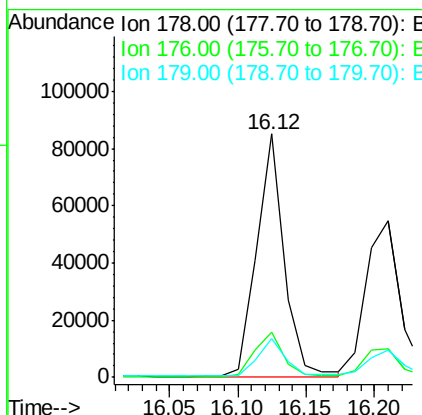
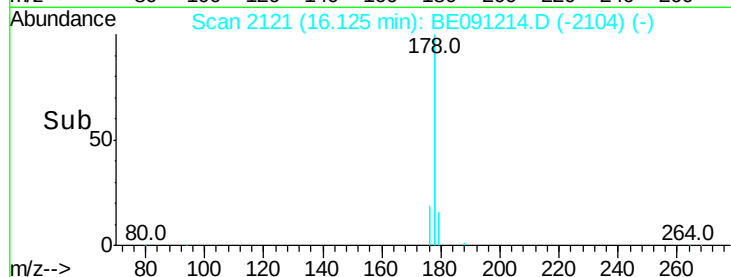
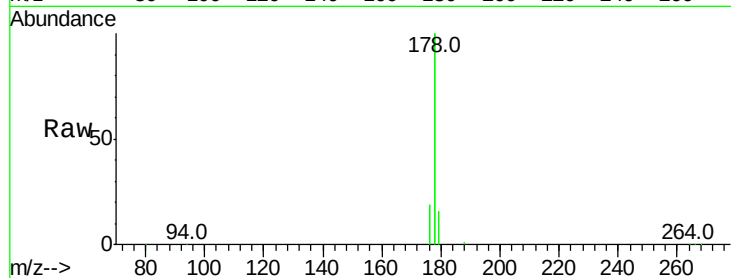




#14
Phenanthrene
Concen: 0.35 ng/ul
RT: 16.12 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

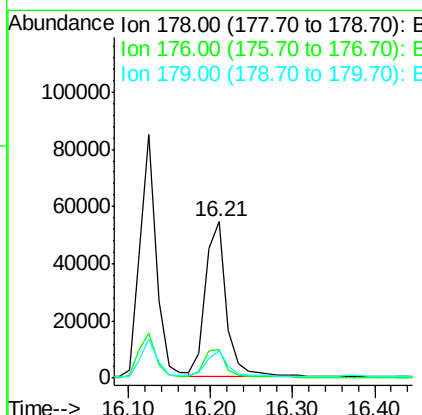
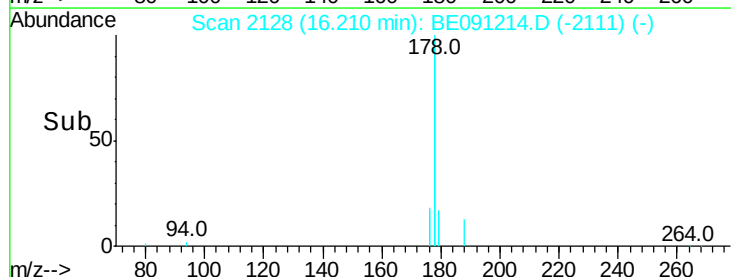
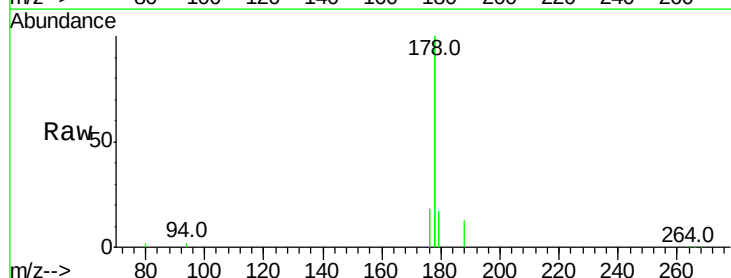
Instrument :
BNA_E
ClientSampleId :

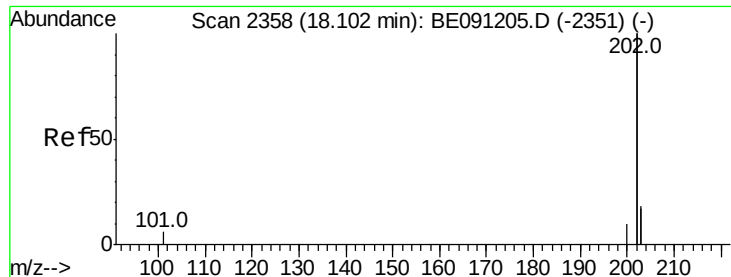
Tot Ion:178 Resp: 117649
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 16.0 12.8 19.2



#15
Anthracene
Concen: 0.32 ng/ul
RT: 16.21 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

Tgt Ion:178 Resp: 97407
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 17.3 13.3 19.9

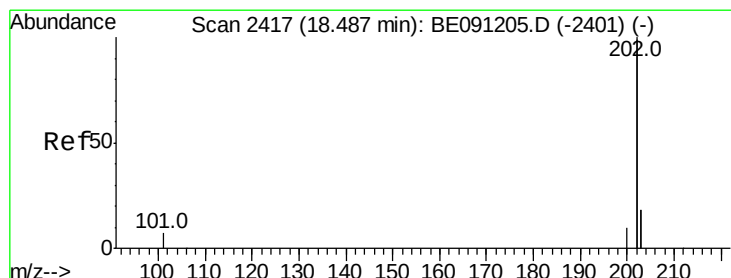
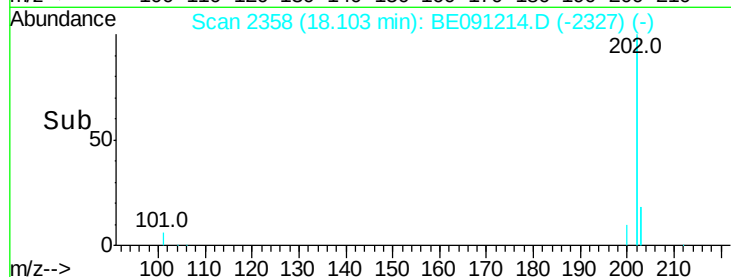
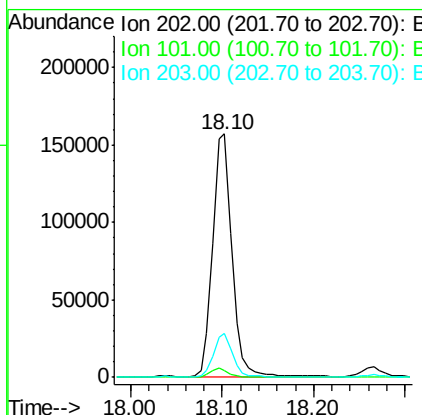
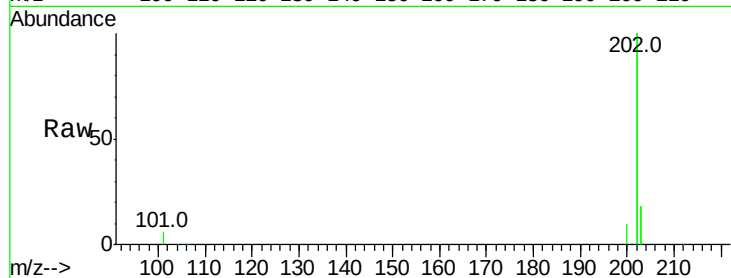




#17
 Fluoranthene
 Concen: 0.58 ng/ul
 RT: 18.10 min Scan# 2358
 Delta R.T. 0.00 min
 Lab File: BE091214.D
 Acq: 17 Nov 2015 21:08

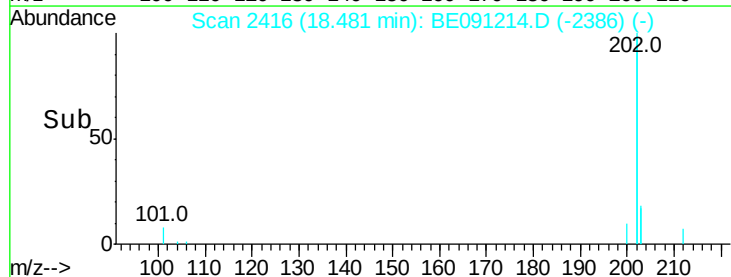
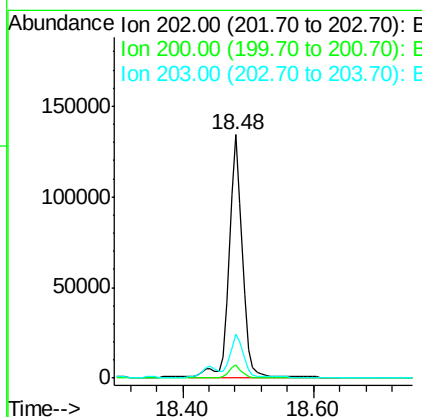
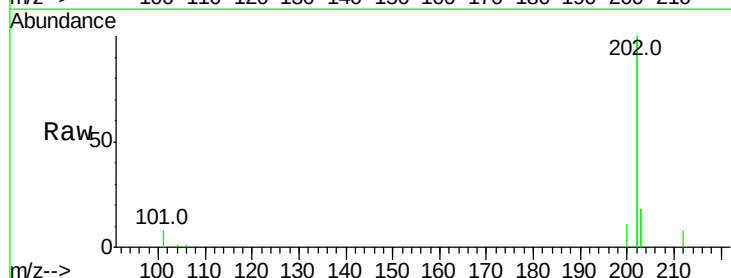
Instrument :
 BNA_E
 ClientSampleId :

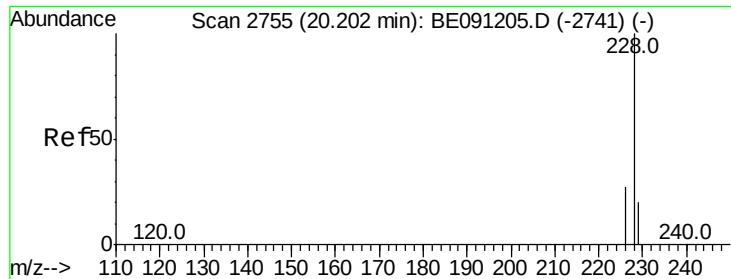
Tot Ion	Ratio	Lower	Upper
202	100		
101	2.9	0.0	33.1
203	18.3	0.0	37.2



#19
 Pyrene
 Concen: 0.35 ng/ul
 RT: 18.48 min Scan# 2416
 Delta R.T. -0.01 min
 Lab File: BE091214.D
 Acq: 17 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.3	18.0	27.0#
203	17.9	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.14 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

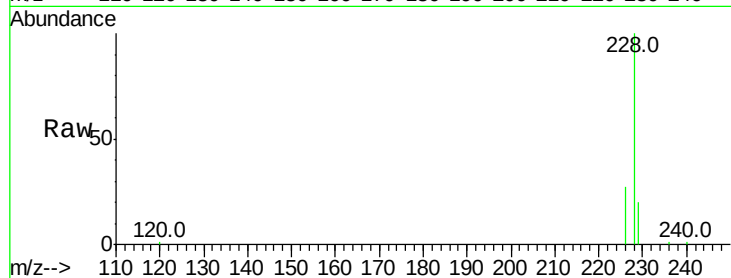
Tot Ion:228 Resp: 16496

Ion Ratio Lower Upper

228 100

226 27.0 23.0 34.4

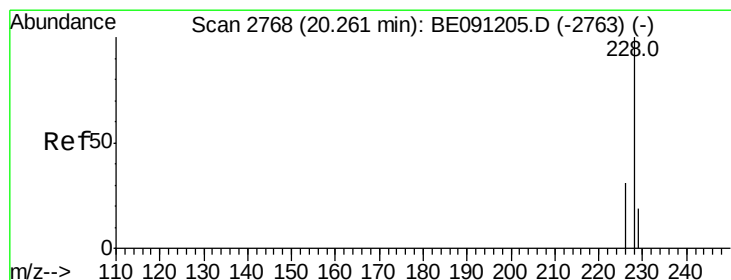
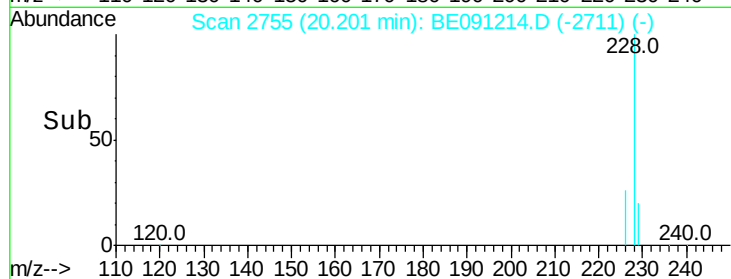
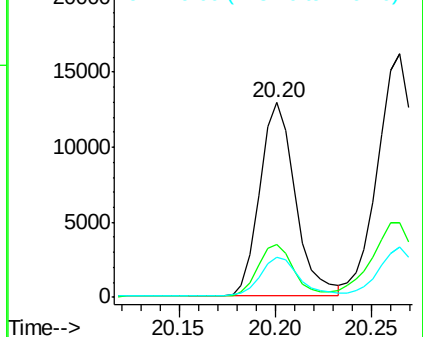
229 20.5 15.2 22.8



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: 0.17 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

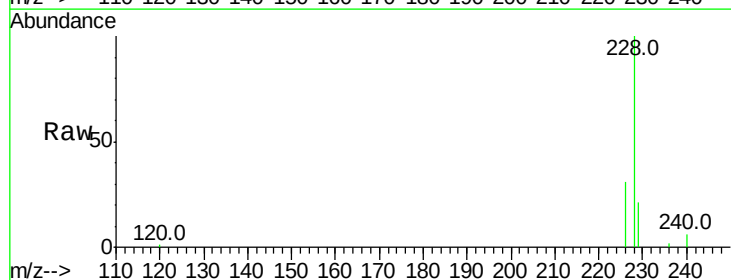
Tgt Ion:228 Resp: 23095

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

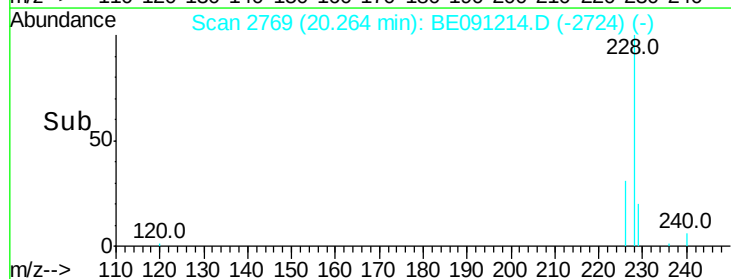
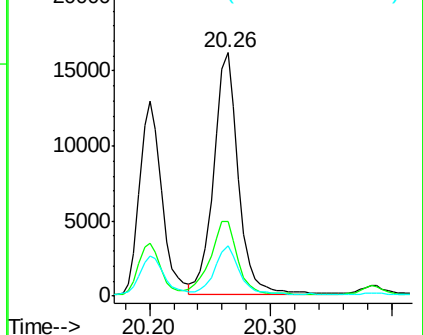
229 20.5 15.2 22.8

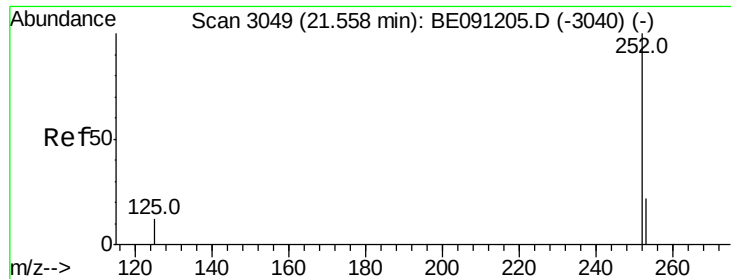


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 21.56 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

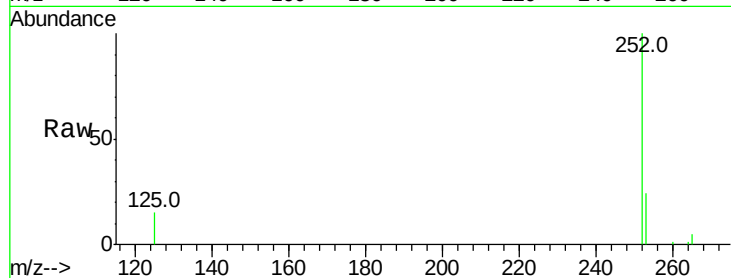
Tot Ion:252 Resp: 9339

Ion Ratio Lower Upper

252 100

253 24.1 0.0 48.0

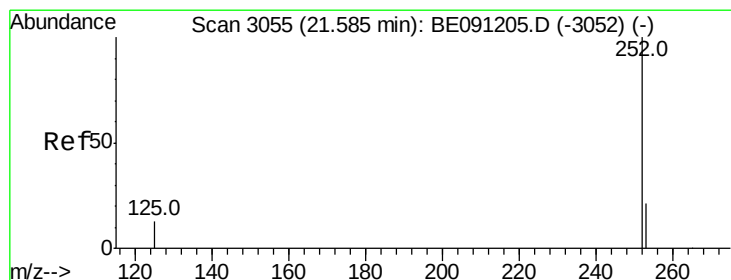
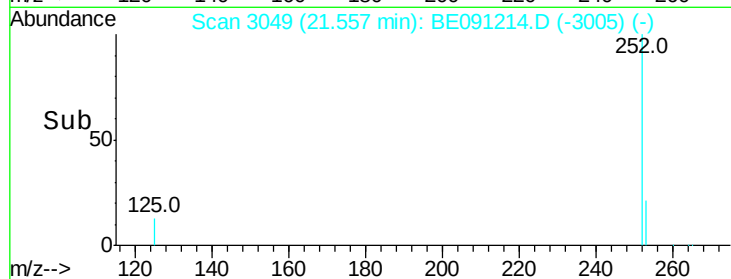
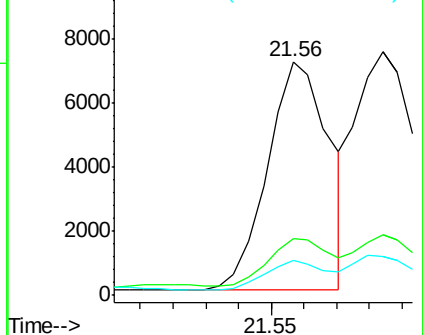
125 14.9 0.0 36.6



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: 0.08 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

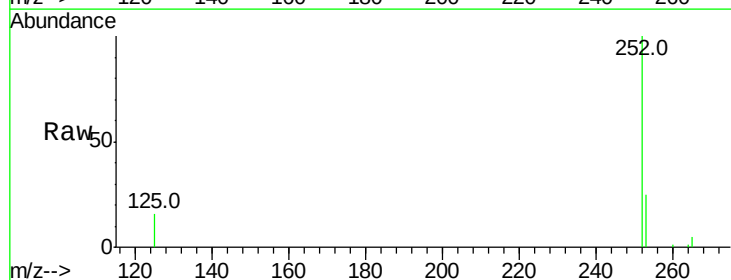
Tgt Ion:252 Resp: 10498

Ion Ratio Lower Upper

252 100

253 24.8 20.8 31.2

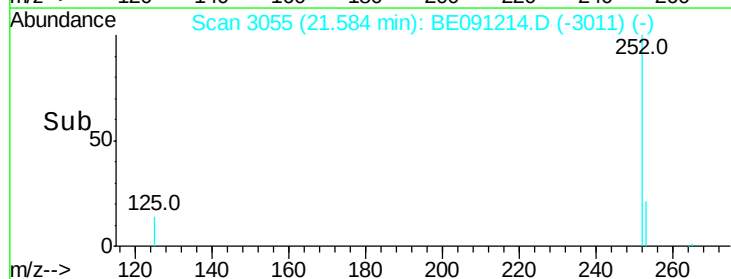
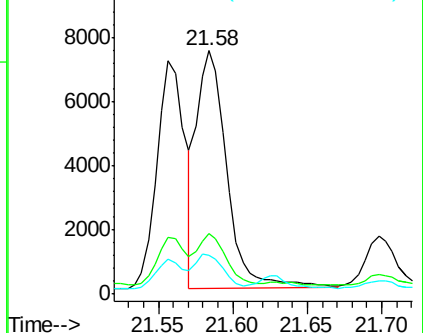
125 16.2 12.2 18.4

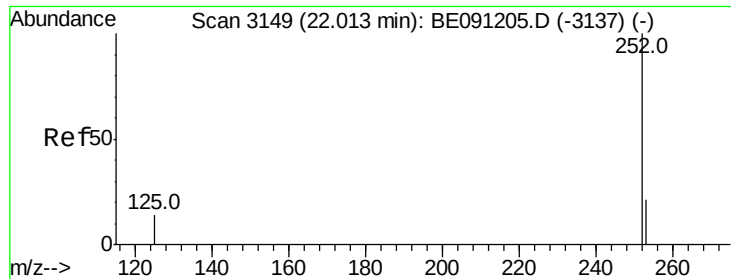


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

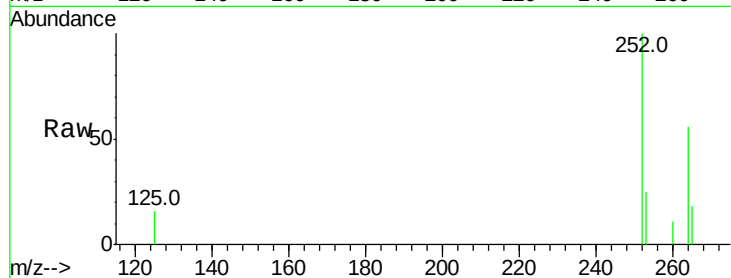
Tot Ion:252 Resp: 12215

Ion Ratio Lower Upper

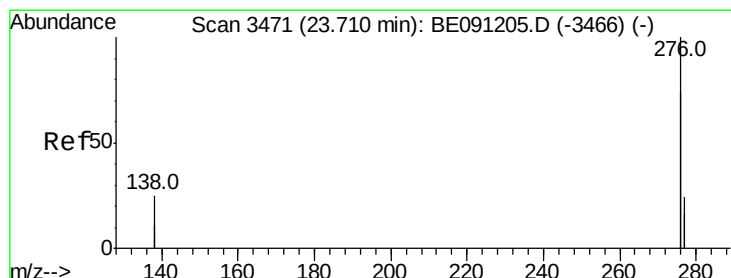
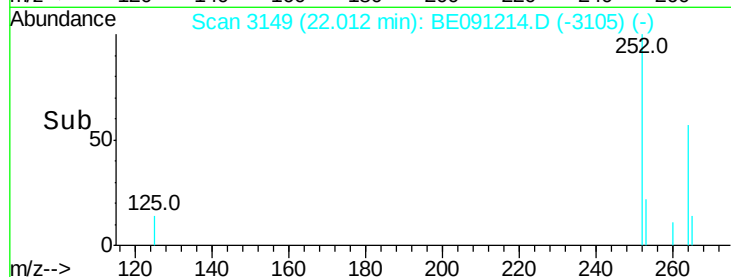
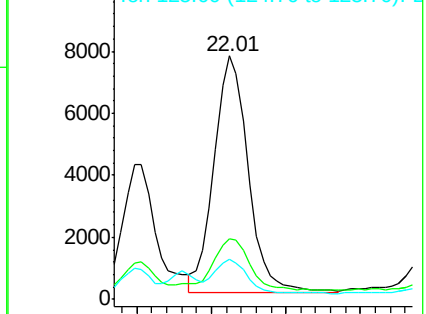
252 100

253 25.1 21.8 32.8

125 16.3 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: 0.04 ng/ul

RT: 23.72 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

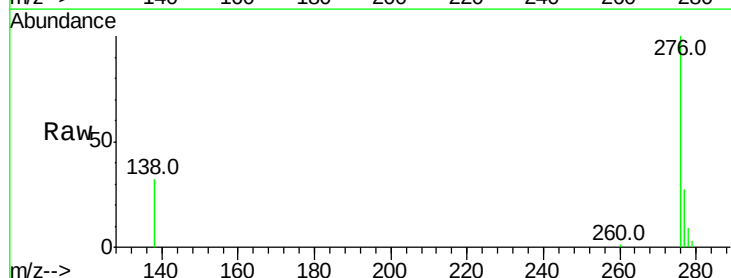
Tgt Ion:276 Resp: 19374

Ion Ratio Lower Upper

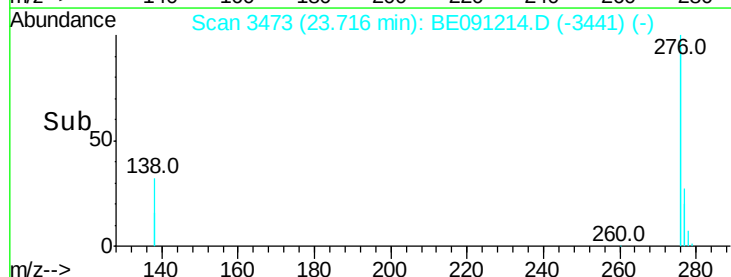
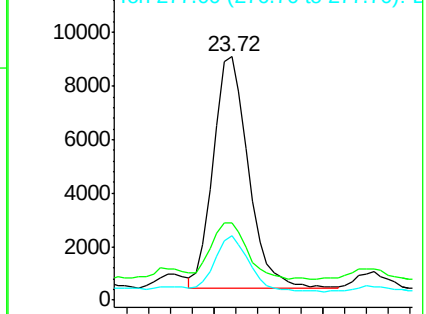
276 100

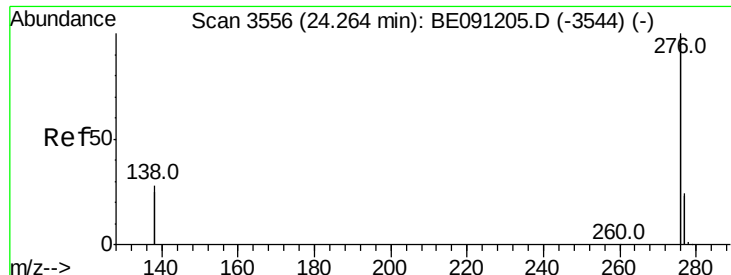
138 24.9 27.5 41.3#

277 23.7 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





#28

Benzo(a,h,i)perylene

Concen: 0.04 ng/ul

RT: 24.27 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

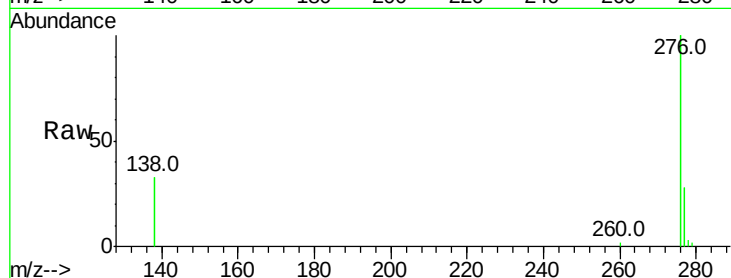
Tot Ion:276 Resp: 19143

Ion Ratio Lower Upper

276 100

277 27.5 21.3 31.9

138 33.1 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

