

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091238.D
 Acq On : 18 Nov 2015 21:24
 Operator : UM/NP
 Sample : G4310-02
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KL7

Quant Time: Nov 19 06:05:58 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 : Thu Nov 19 06:02:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	4038	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	21052	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	13498	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1560802	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	69109	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	77310	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.96	96	22263	7.66	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	6609	0.23	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	22445	0.01	ng/ul	0.00

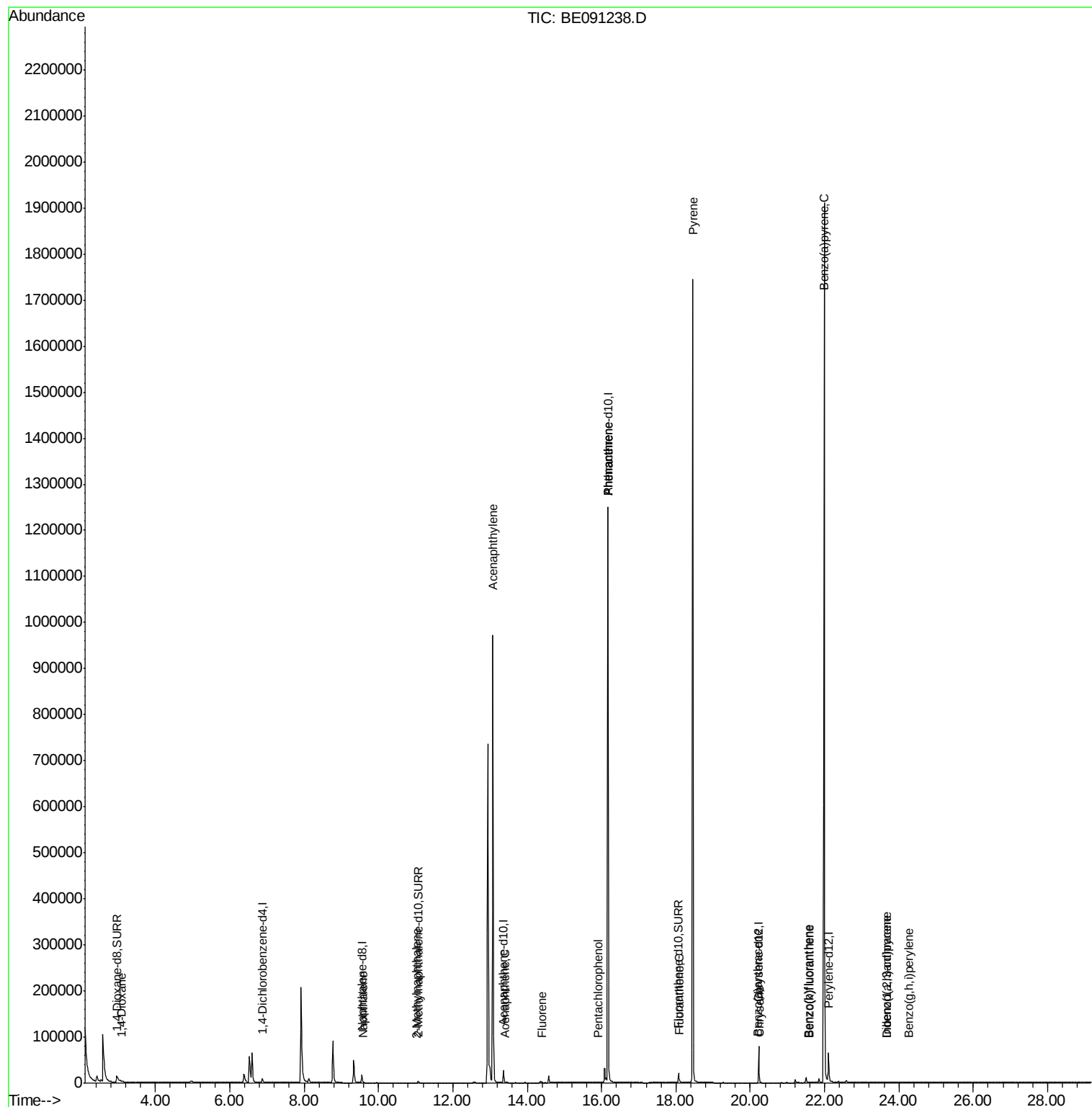
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.10	88	105	0.03	ng/ul#	39
5) Naphthalene	9.59	128	633	0.01	ng/ul#	39
7) 2-Methylnaphthalene	11.02	142	5	0.00	ng/ul	87
9) Acenaphthylene	13.08	152	165	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	91	0.00	ng/ul#	74
11) Fluorene	14.41	166	223	0.00	ng/ul#	79
13) Pentachlorophenol	15.91	266	8	0.00	ng/ul#	16
14) Phenanthrene	16.17	178	3940	0.00	ng/ul#	1
15) Anthracene	16.17	178	3765	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	4748	0.00	ng/ul	81
19) Pyrene	18.45	202	14672	0.02	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	81	0.00	ng/ul#	24
21) Chrysene	20.26	228	290	0.00	ng/ul#	49
23) Benzo(b)fluoranthene	21.56	252	187	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.59	252	184	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	7316	0.03	ng/ul#	60
26) Indeno(1,2,3-cd)pyrene	23.67	276	77	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.67	278	152	0.00	ng/ul#	25
28) Benzo(g,h,i)perylene	24.28	276	588	0.00	ng/ul#	1

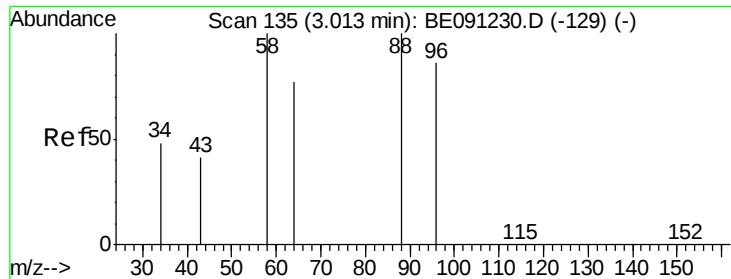
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.10 min Scan# 148

Delta R.T. 0.09 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

D9KL7

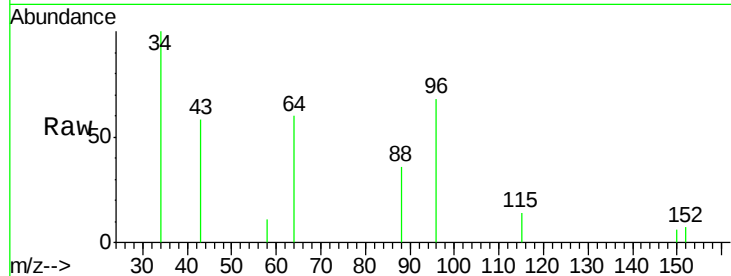
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

58 17.1 55.4 83.2#

43 0.0 24.2 36.2#

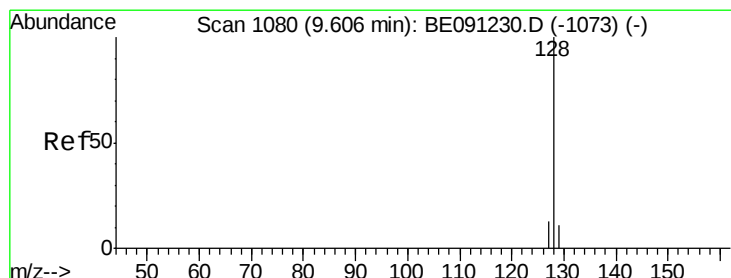
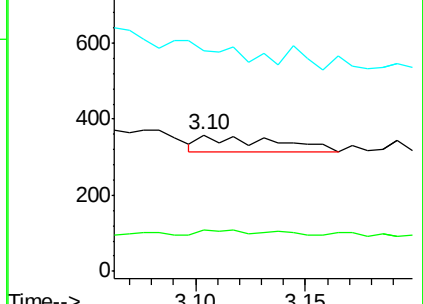
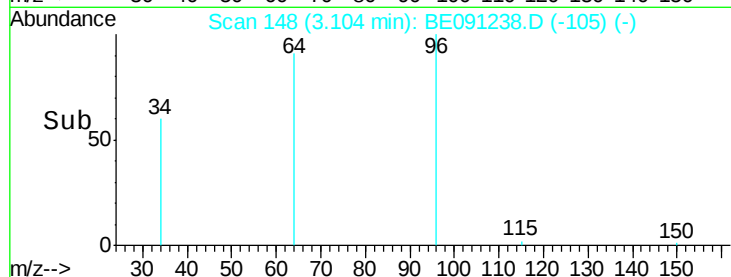


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

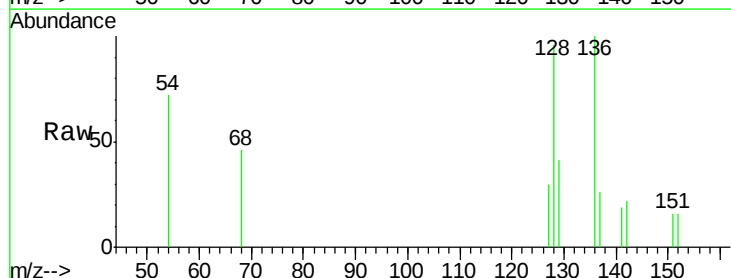
Tgt Ion: 128 Resp: 633

Ion Ratio Lower Upper

128 100

129 43.3 9.8 14.8#

127 30.9 10.7 16.1#

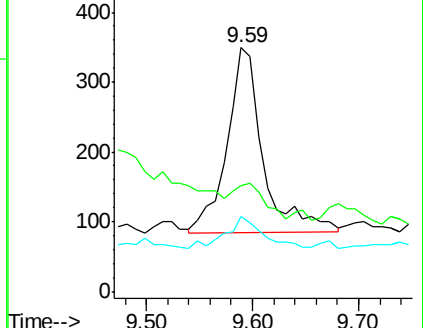
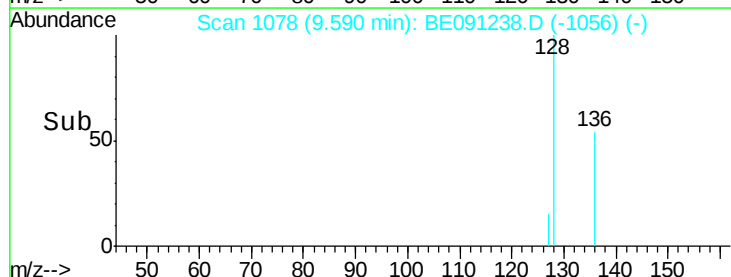


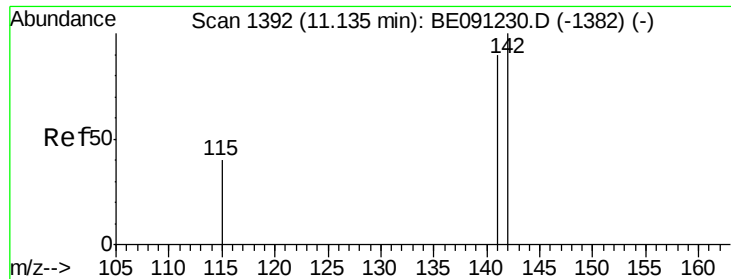
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.02 min Scan# 1367

Delta R.T. -0.11 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

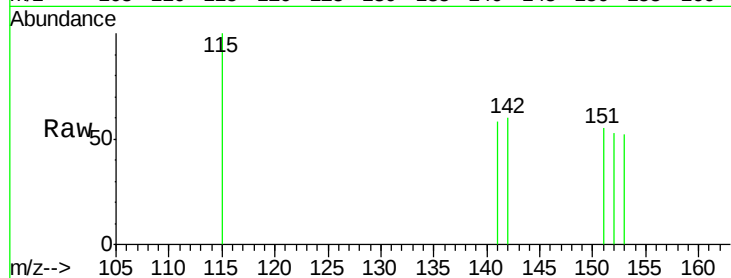
D9KL7

Tgt Ion:142 Resp: 5

Ion Ratio Lower Upper

142 100

141 100.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.02

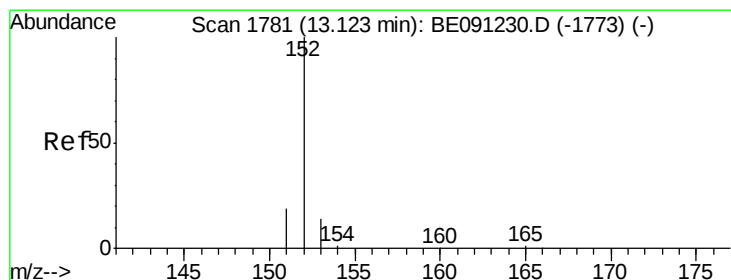
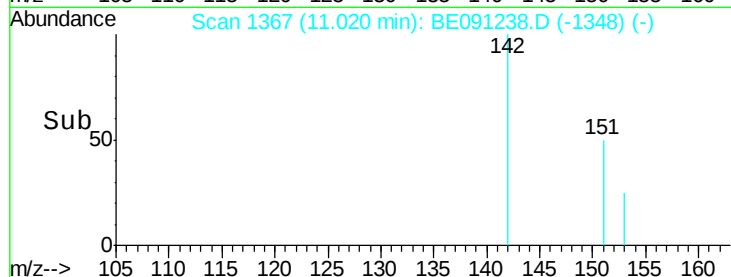
60

40

20

0

Time--> 11.00 11.02 11.04



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.05 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

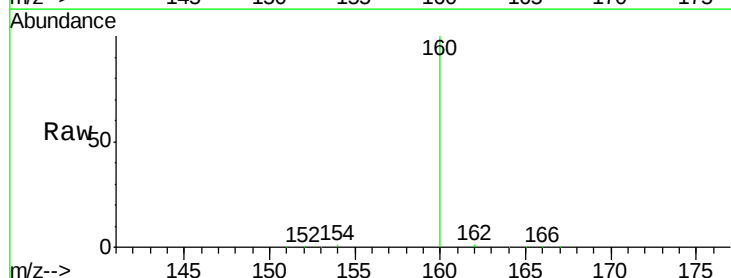
Tgt Ion:152 Resp: 165

Ion Ratio Lower Upper

152 100

151 73.2 16.8 25.2#

153 183.4 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

13.08

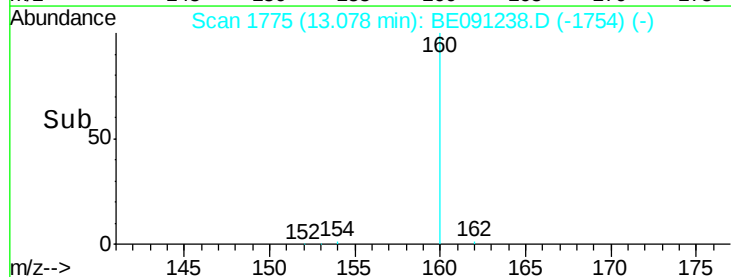
300

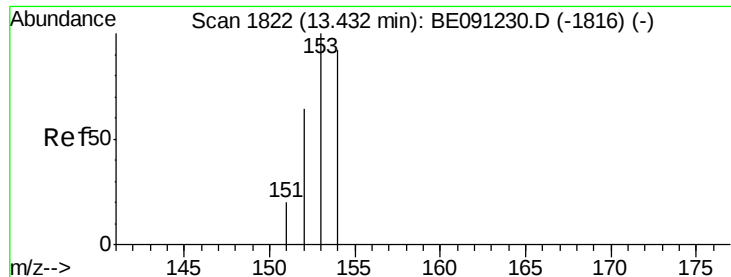
200

100

0

Time--> 13.00 13.10





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

D9KL7

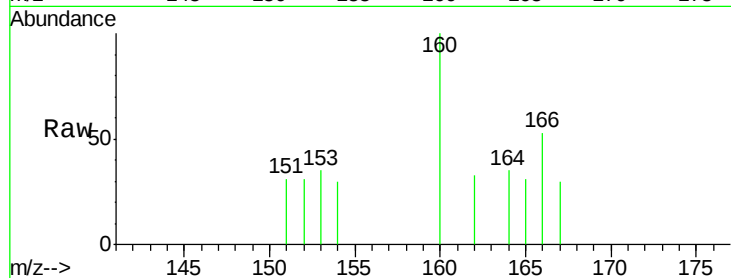
Tgt Ion:153 Resp: 91

Ion Ratio Lower Upper

153 100

152 90.7 42.3 63.5#

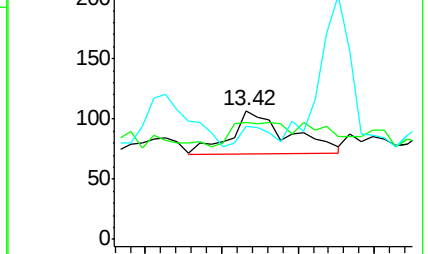
154 87.9 64.7 97.1



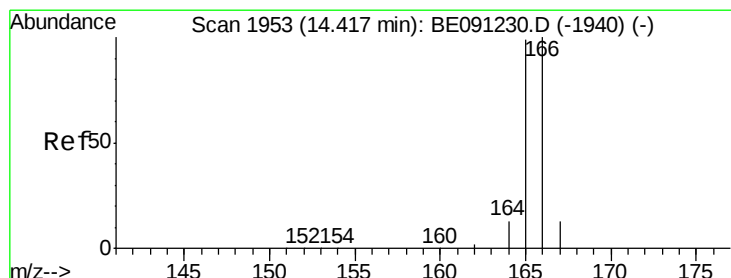
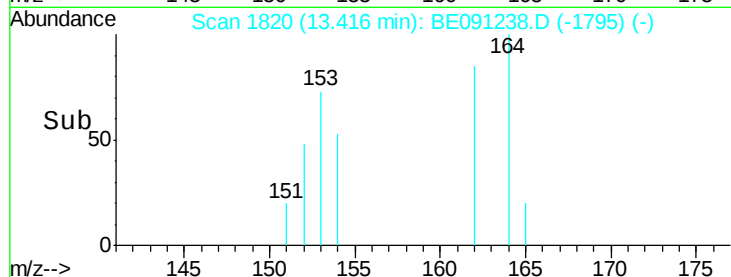
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#11

Fluorene

Concen: 0.00 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

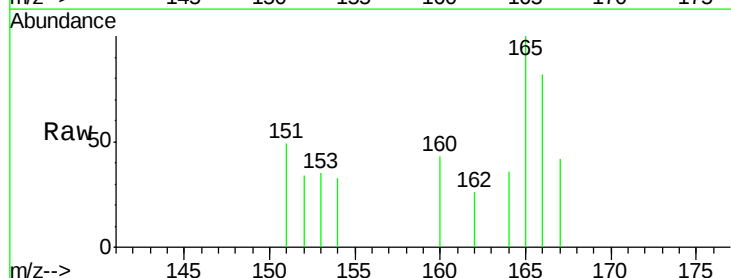
Tgt Ion:166 Resp: 223

Ion Ratio Lower Upper

166 100

165 121.6 87.6 131.4

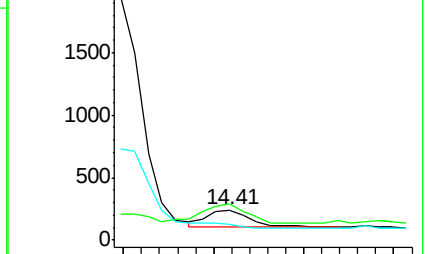
167 51.5 11.1 16.7#



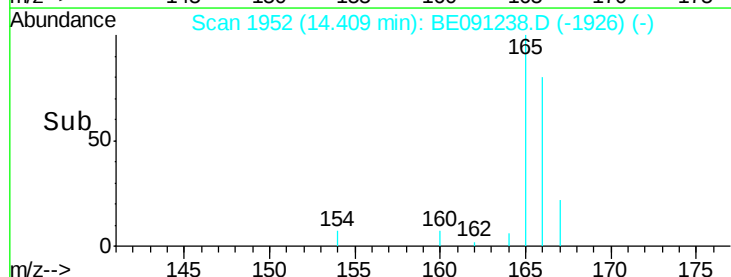
Abundance Ion 166.00 (165.70 to 166.70): E

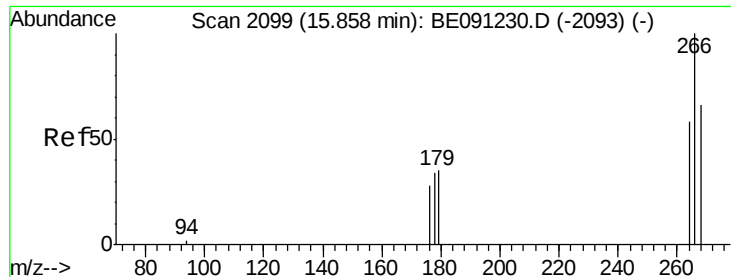
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

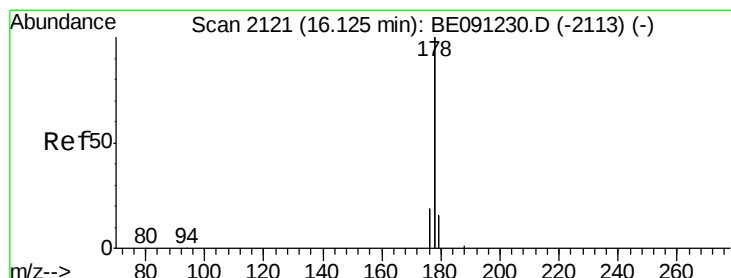
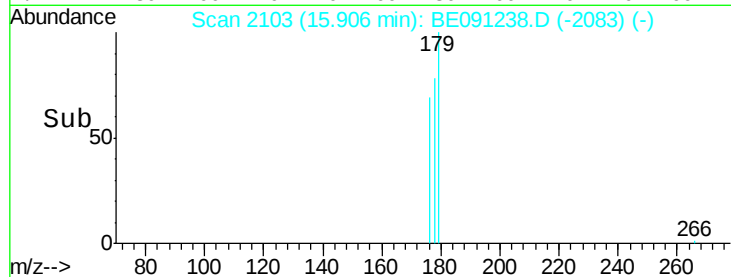
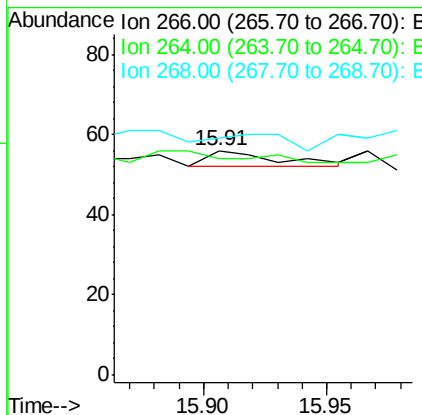
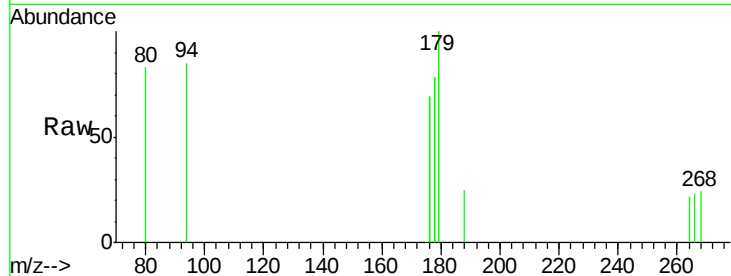




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.91 min Scan# 2103
 Delta R.T. 0.05 min
 Lab File: BE091238.D
 Acq: 18 Nov 2015 21:24

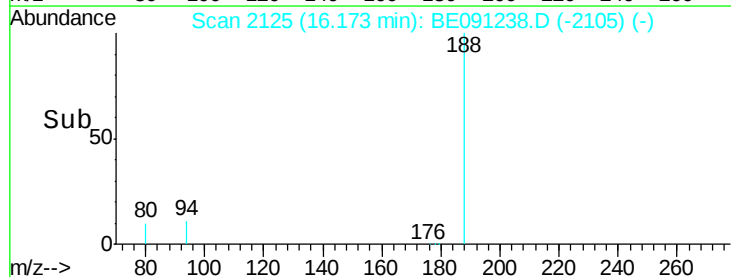
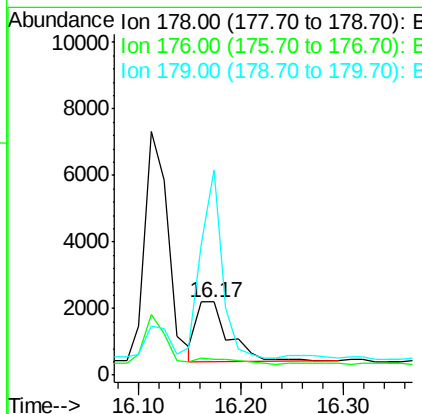
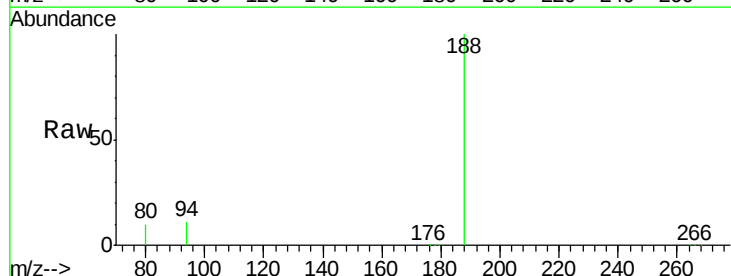
Instrument :
 BNA_E
 ClientSampleId :
 D9KL7

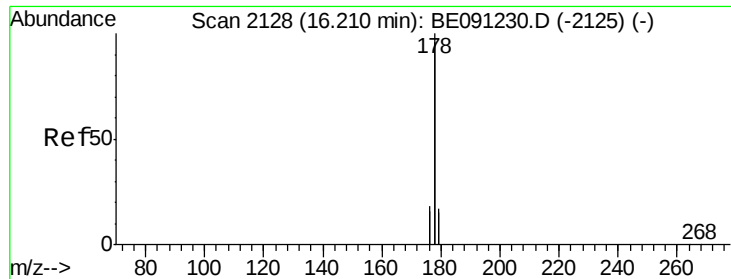
Tgt Ion: 266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 0.0 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.17 min Scan# 2125
 Delta R.T. 0.05 min
 Lab File: BE091238.D
 Acq: 18 Nov 2015 21:24

Tgt Ion: 178 Resp: 3940
 Ion Ratio Lower Upper
 178 100
 176 21.4 16.2 24.4
 179 281.7 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.17 min Scan# 2125

Delta R.T. -0.04 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

D9KL7

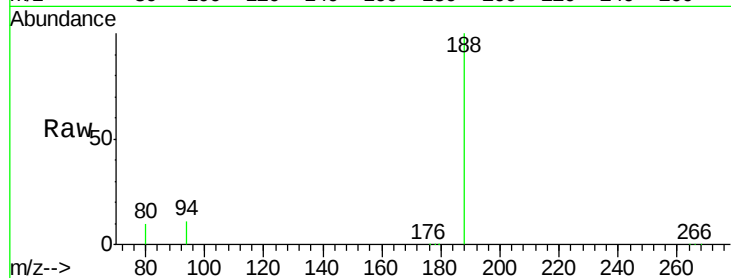
Tgt Ion:178 Resp: 3765

Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.8

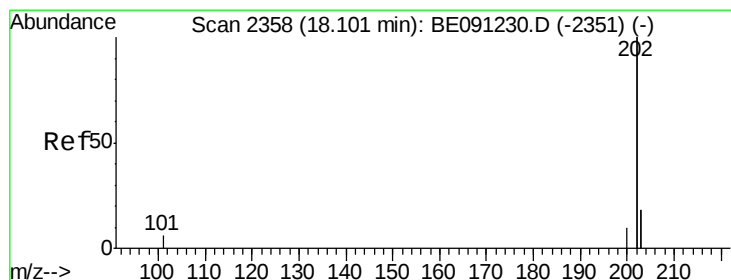
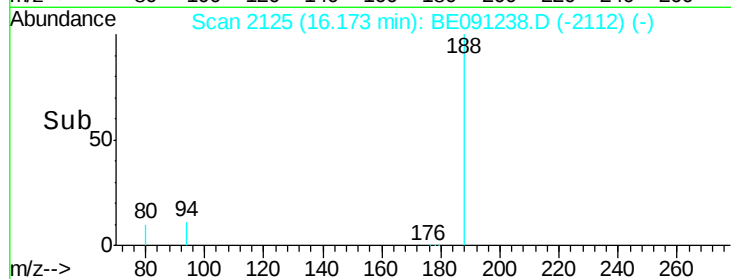
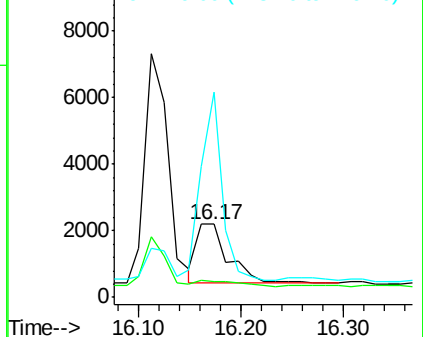
179 281.7 13.3 19.9#



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: 0.00 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

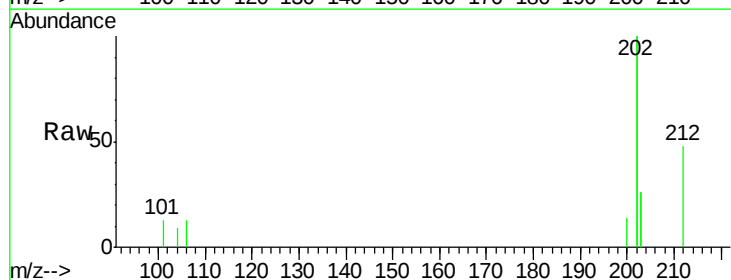
Tgt Ion:202 Resp: 4748

Ion Ratio Lower Upper

202 100

101 6.7 0.0 33.1

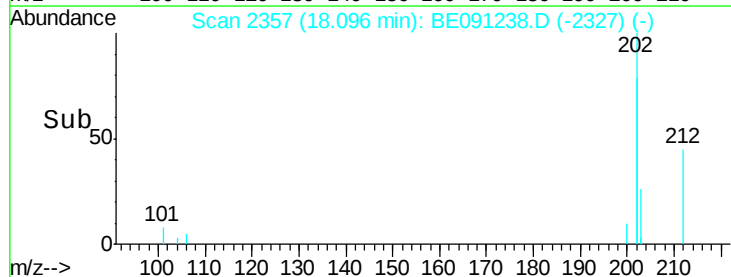
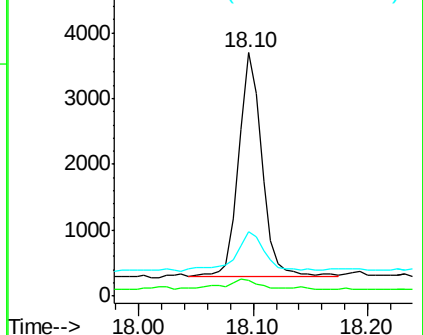
203 26.3 0.0 37.2

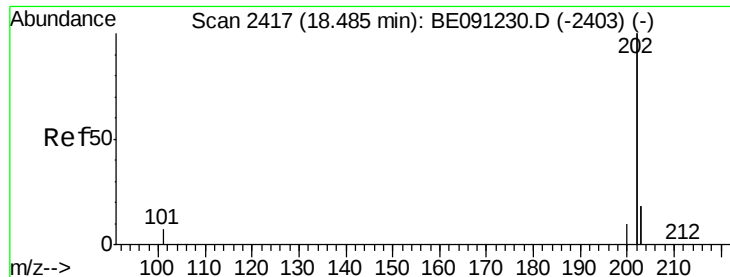


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.02 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

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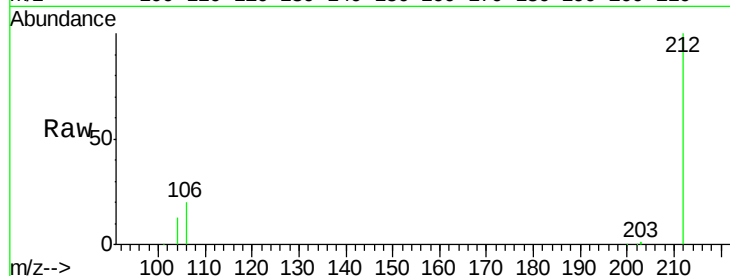
Tgt Ion:202 Resp: 14672

Ion Ratio Lower Upper

202 100

200 1.8 18.0 27.0#

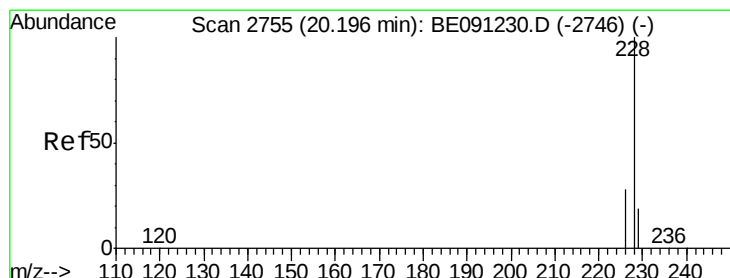
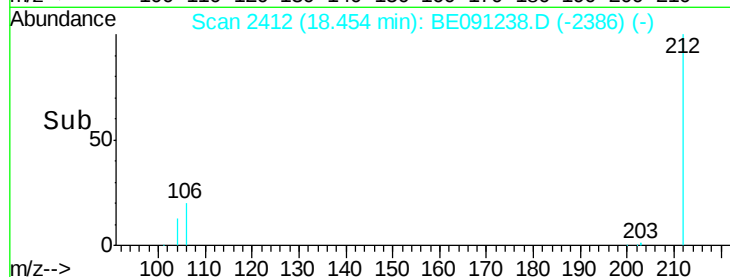
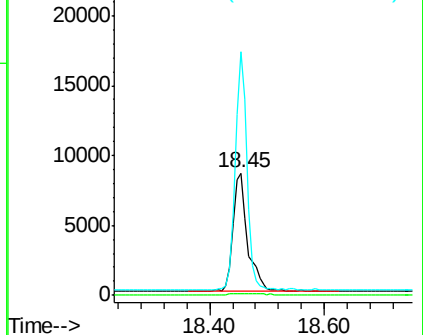
203 198.5 13.8 20.6#



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: 0.00 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

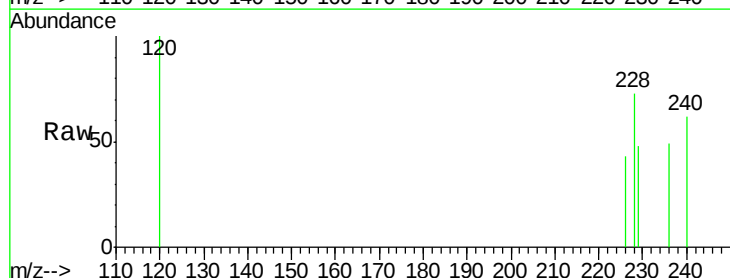
Tgt Ion:228 Resp: 81

Ion Ratio Lower Upper

228 100

226 58.9 23.0 34.4#

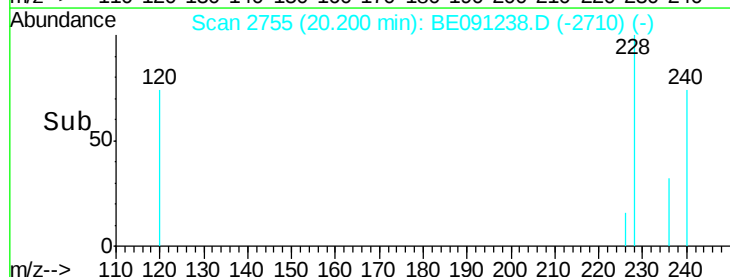
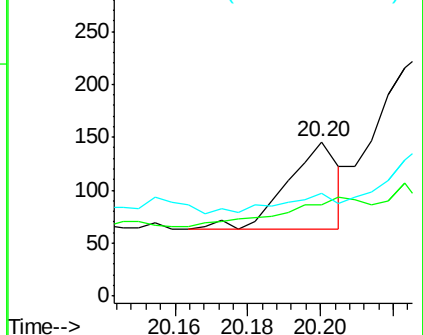
229 66.4 15.2 22.8#

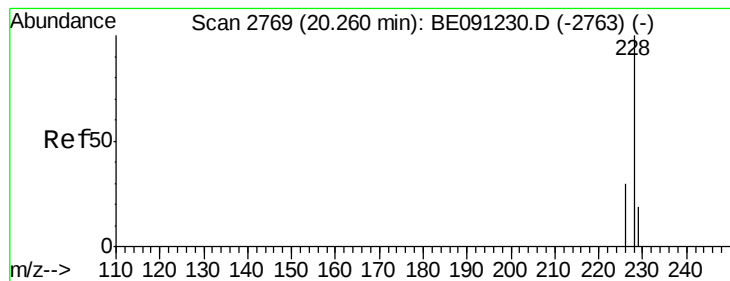


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

D9KL7

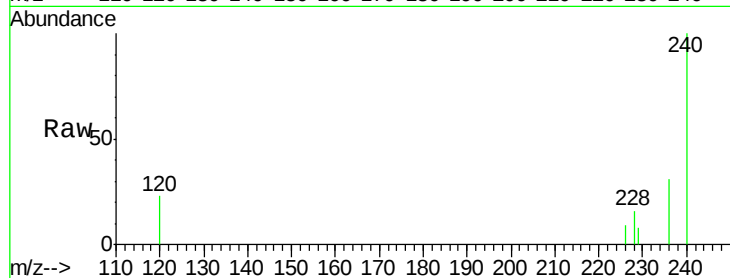
Tgt Ion:228 Resp: 290

Ion Ratio Lower Upper

228 100

226 56.5 25.7 38.5#

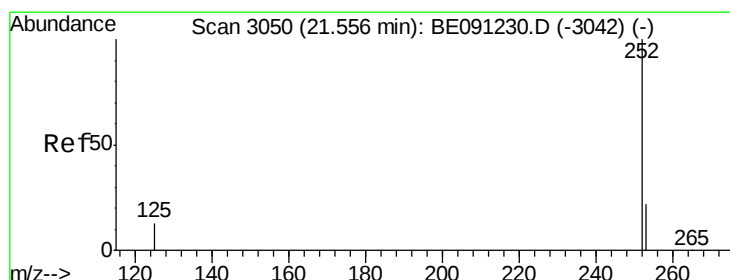
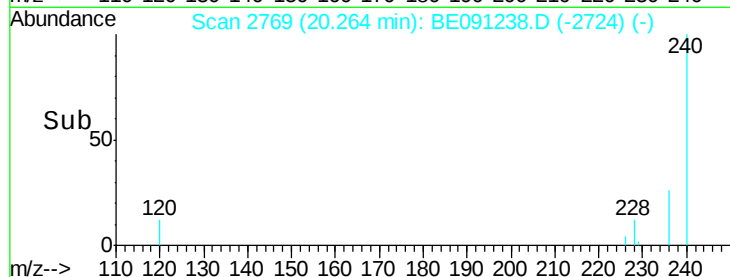
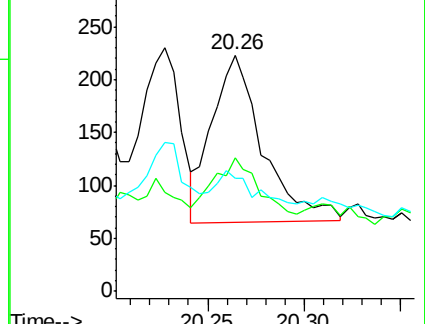
229 48.0 15.2 22.8#



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: 0.00 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

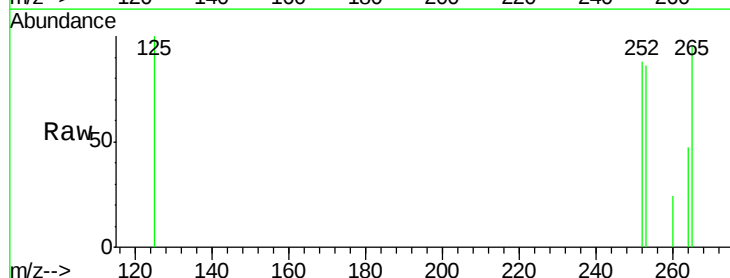
Tgt Ion:252 Resp: 187

Ion Ratio Lower Upper

252 100

253 97.3 0.0 48.0#

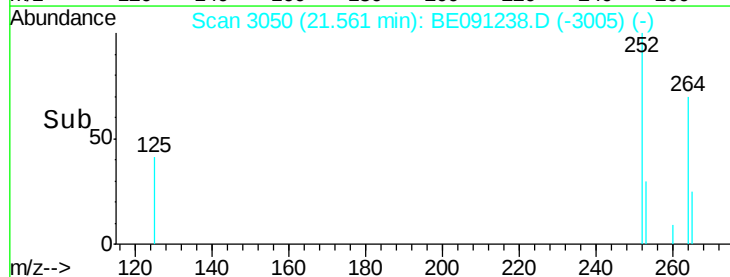
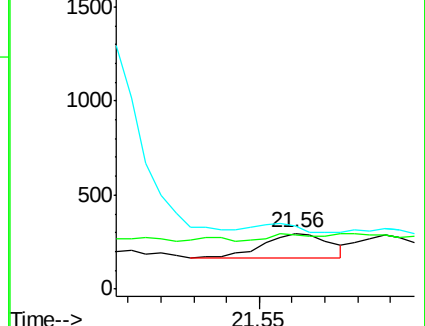
125 113.8 0.0 36.6#

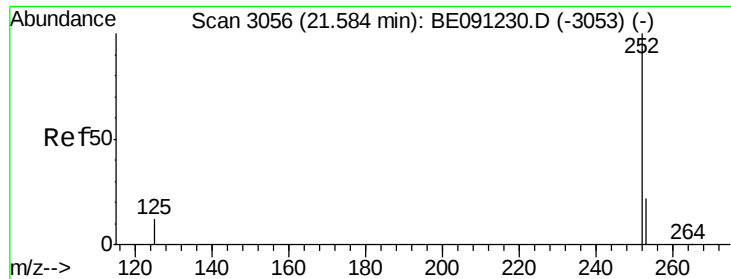


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.59 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

D9KL7

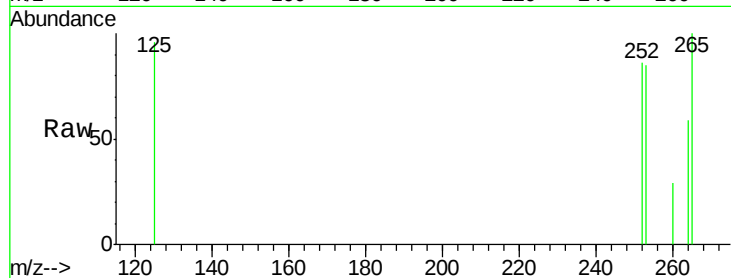
Tgt Ion: 252 Resp: 184

Ion Ratio Lower Upper

252 100

253 99.0 20.8 31.2#

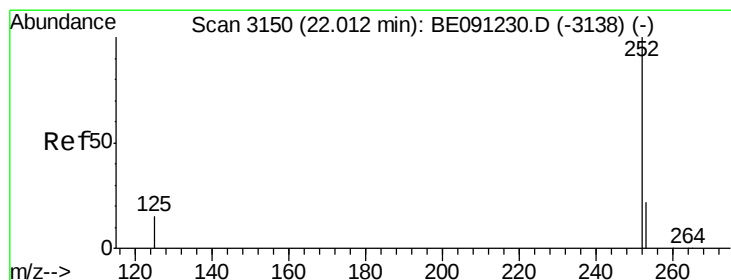
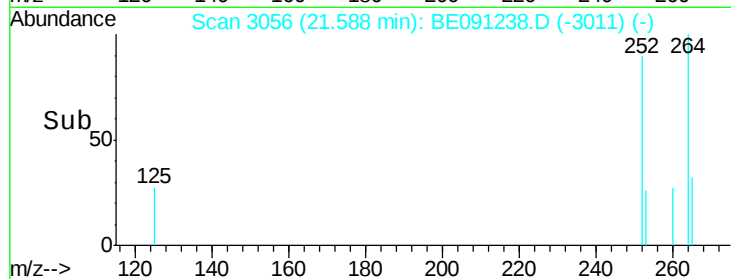
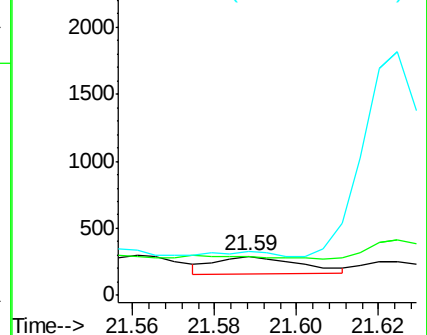
125 111.4 12.2 18.4#



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: 0.03 ng/ul

RT: 21.98 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

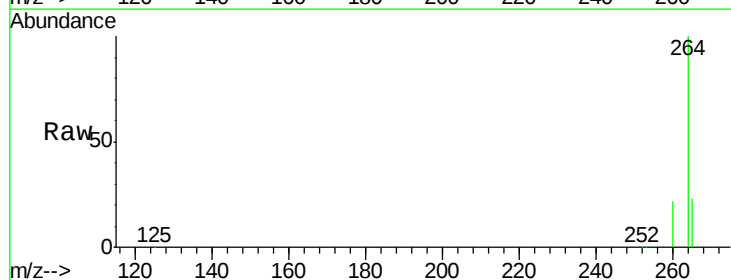
Tgt Ion: 252 Resp: 7316

Ion Ratio Lower Upper

252 100

253 34.5 21.8 32.8#

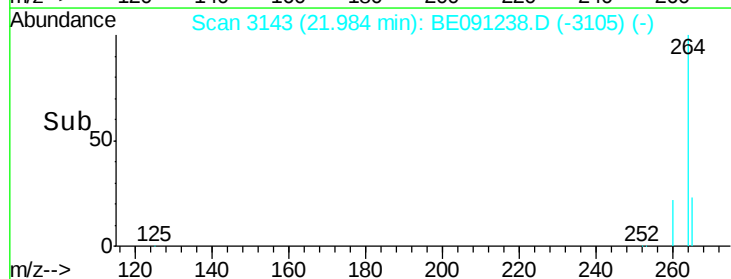
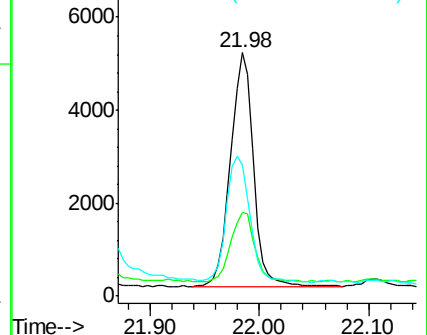
125 53.8 14.5 21.7#

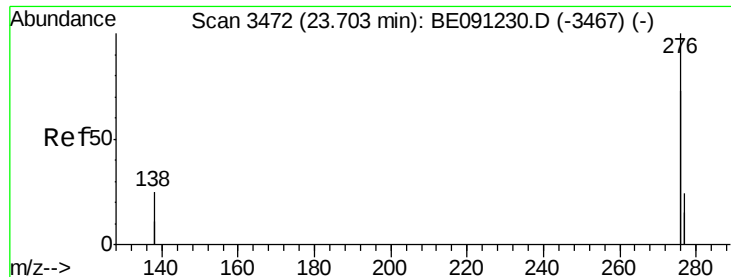


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 23.67 min Scan# 3466

Delta R.T. -0.03 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

D9KL7

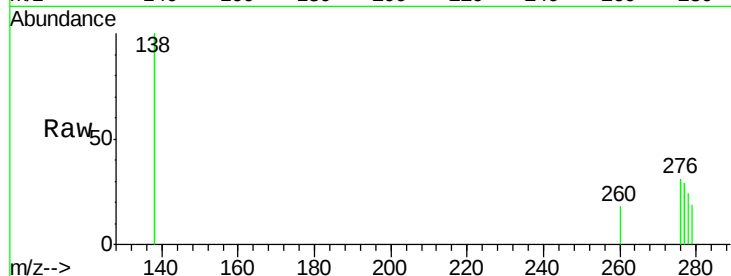
Tgt Ion:276 Resp: 77

Ion Ratio Lower Upper

276 100

138 1276.6 27.5 41.3#

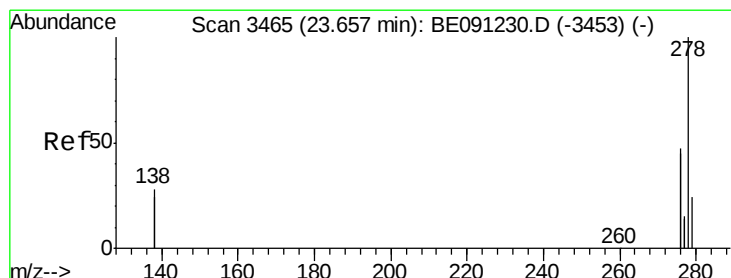
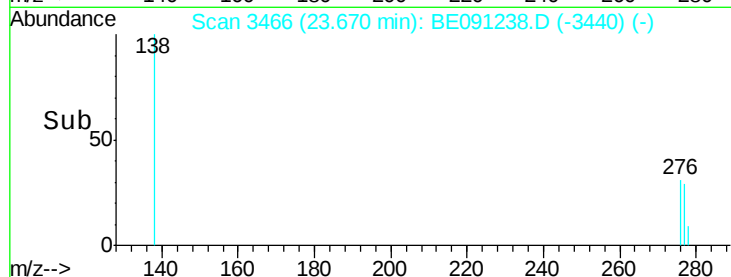
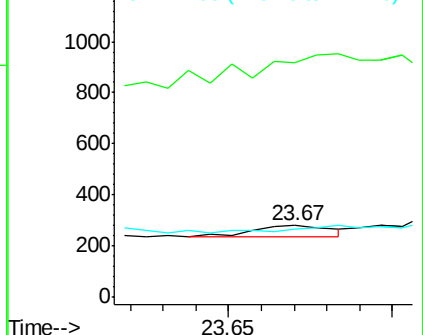
277 57.1 19.3 28.9#



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: 0.00 ng/ul

RT: 23.67 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BE091238.D

Acq: 18 Nov 2015 21:24

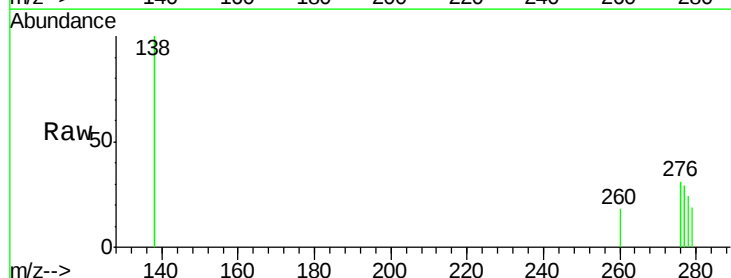
Tgt Ion:278 Resp: 152

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

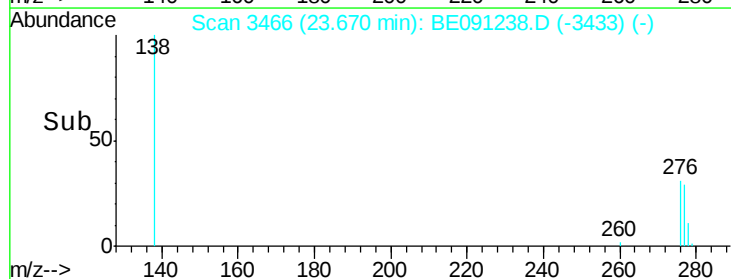
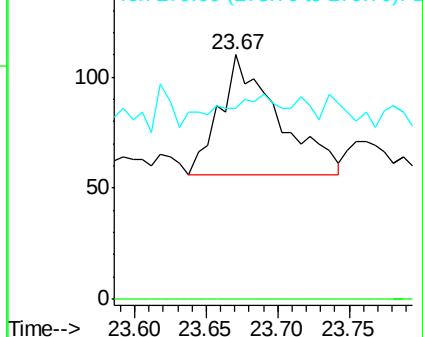
279 78.2 21.9 32.9#

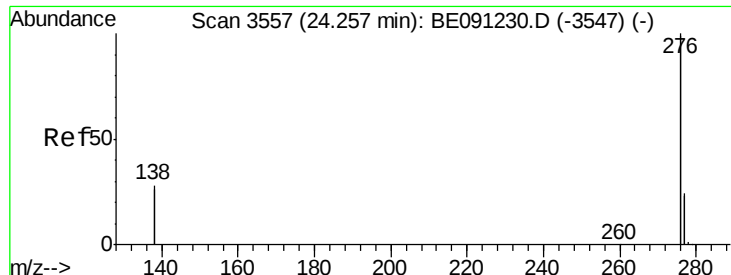


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.28 min Scan# 3559

Delta R.T. 0.02 min

Lab File: BE091238.D

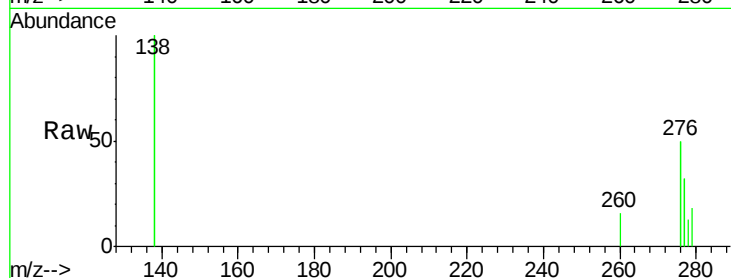
Acq: 18 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

D9KL7



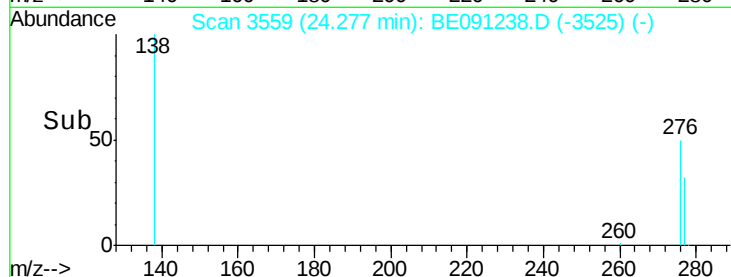
Tgt Ion: 276 Resp: 588

Ion Ratio Lower Upper

276 100

277 65.0 21.3 31.9#

138 200.4 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

