

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091242.D
 Acq On : 18 Nov 2015 23:50
 Operator : UM/NP
 Sample : G4310-06
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM1

Quant Time: Nov 19 06:07:19 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	3462	0.40	ng/ul	-0.04
4) Naphthalene-d8	9.54	136	19380	0.40	ng/ul	-0.03
8) Acenaphthene-d10	13.36	164	15560	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1814964	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	66675	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	78163	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.95	96	24428	9.81	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	11.05	152	9076	0.34	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	27289	0.01	ng/ul	0.00

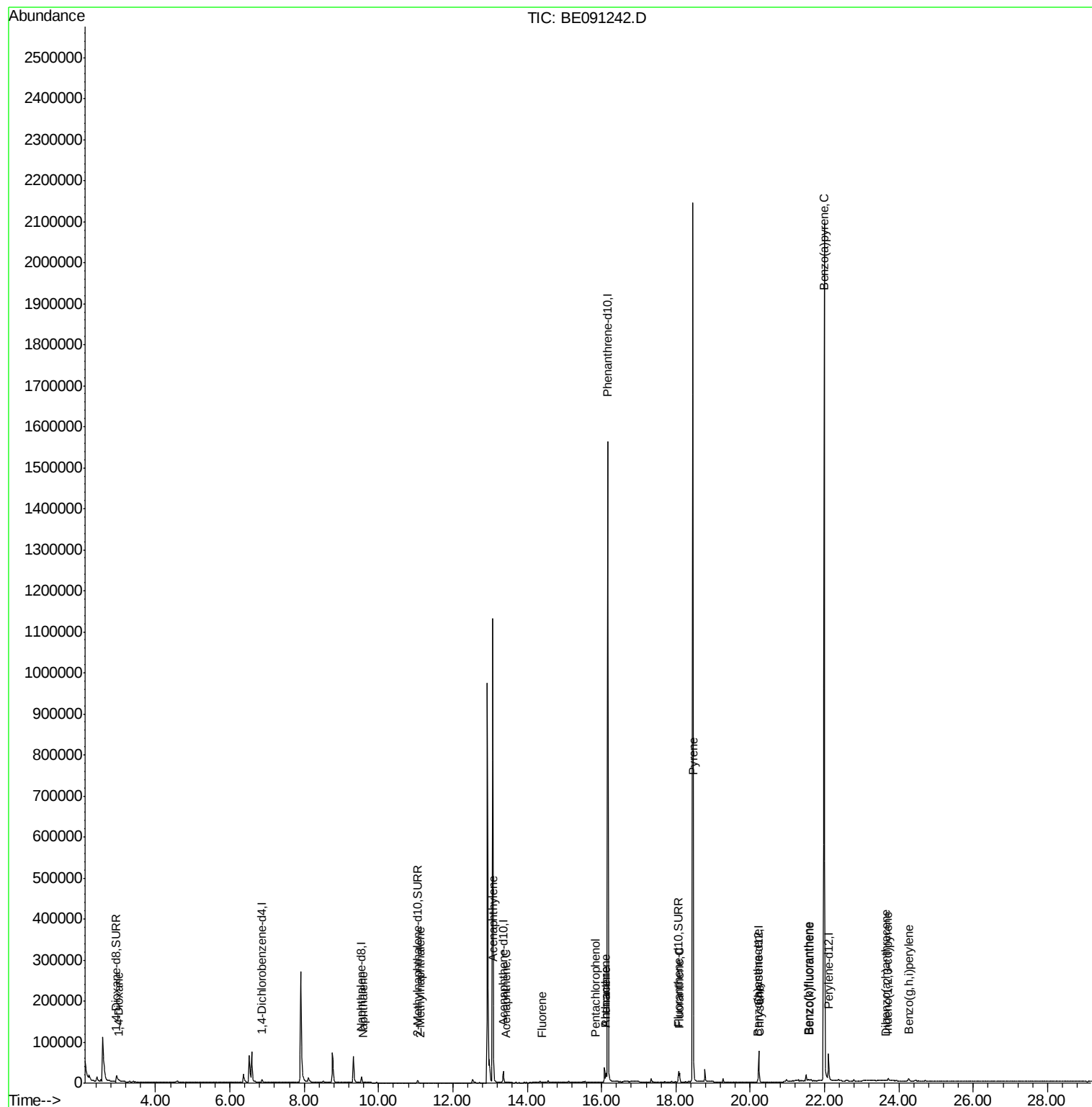
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.03	88	159	0.06	ng/ul#	36
5) Naphthalene	9.58	128	801	0.02	ng/ul#	38
7) 2-Methylnaphthalene	11.12	142	198	0.01	ng/ul	89
9) Acenaphthylene	13.10	152	234	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	183	0.00	ng/ul#	77
11) Fluorene	14.40	166	435	0.01	ng/ul#	73
13) Pentachlorophenol	15.85	266	85	0.00	ng/ul#	76
14) Phenanthrene	16.11	178	24112	0.00	ng/ul	95
15) Anthracene	16.11	178	18837	0.00	ng/ul	95
17) Fluoranthene	18.09	202	23387	0.00	ng/ul	85
19) Pyrene	18.47	202	35570	0.05	ng/ul#	58
20) Benzo(a)anthracene	20.20	228	2145	0.01	ng/ul#	71
21) Chrysene	20.26	228	2784	0.01	ng/ul#	78
23) Benzo(b)fluoranthene	21.56	252	2633	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	21.58	252	2306	0.01	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	10531	0.05	ng/ul#	3
26) Indeno(1,2,3-cd)pyrene	23.71	276	7490	0.01	ng/ul	99
27) Dibenzo(a,h)anthracene	23.66	278	705	0.00	ng/ul#	28
28) Benzo(g,h,i)perylene	24.26	276	8588	0.01	ng/ul#	13

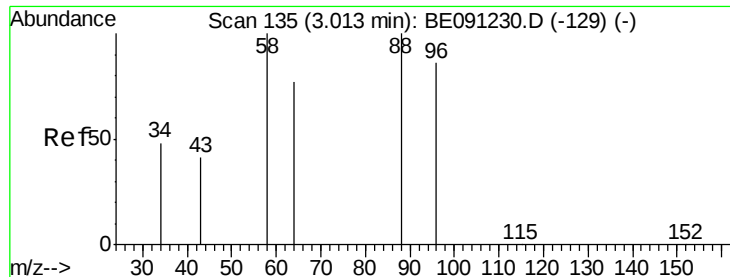
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.06 ng/ul

RT: 3.03 min Scan# 137

Delta R.T. 0.01 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

D9KM1

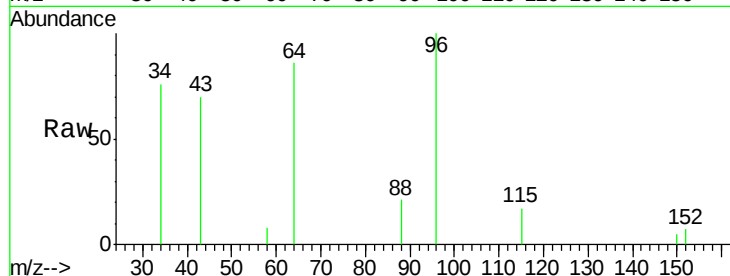
Tgt Ion: 88 Resp: 159

Ion Ratio Lower Upper

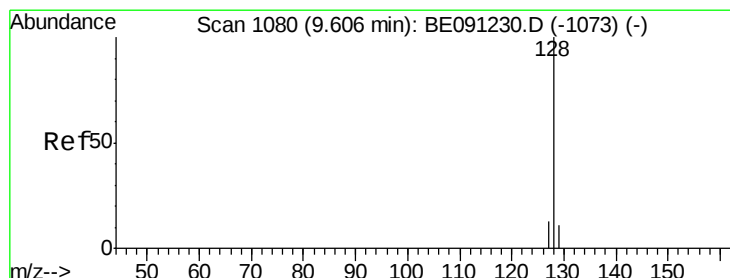
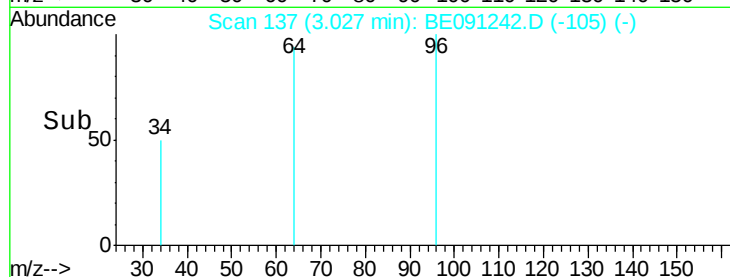
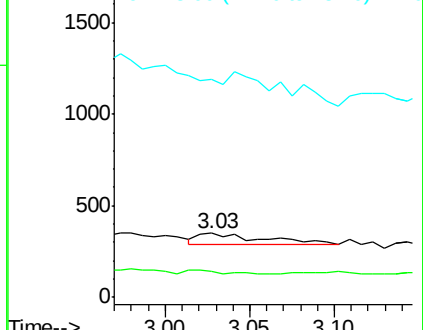
88 100

58 13.8 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: 0.02 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.03 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

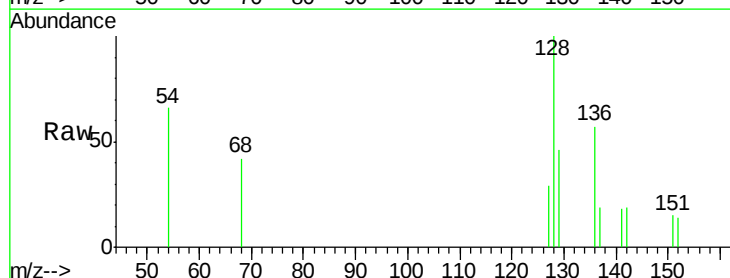
Tgt Ion: 128 Resp: 801

Ion Ratio Lower Upper

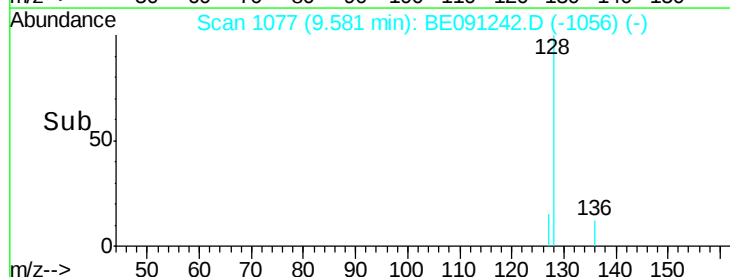
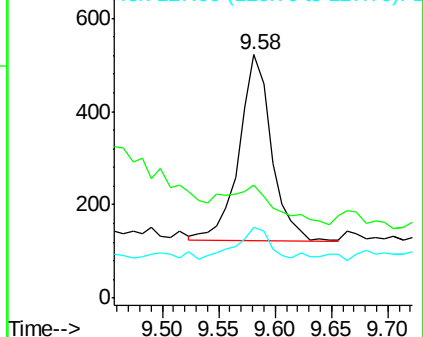
128 100

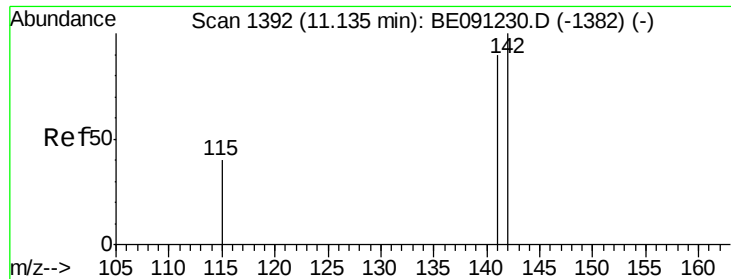
129 46.2 9.8 14.8#

127 28.9 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





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

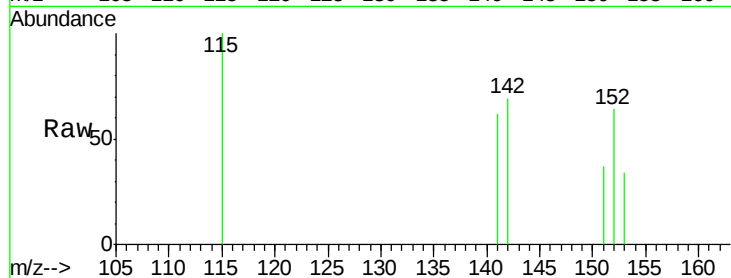
D9KM1

Tgt Ion:142 Resp: 198

Ion Ratio Lower Upper

142 100

141 77.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.12

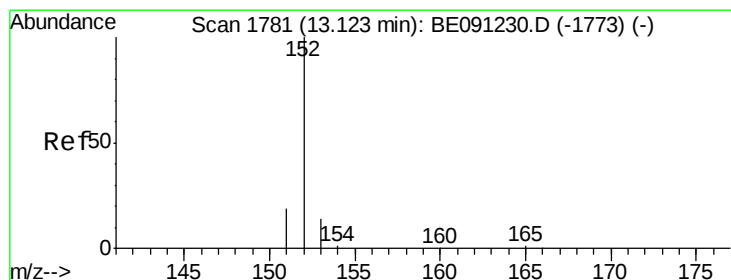
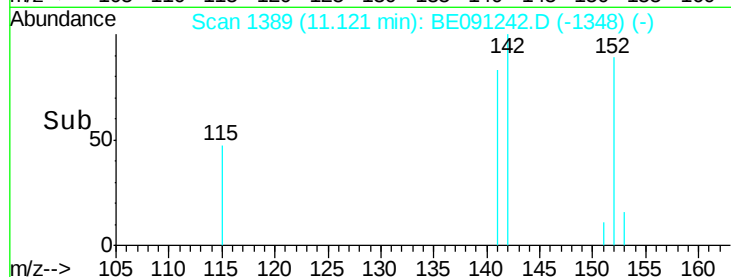
150

100

50

0

Time--> 11.05 11.10 11.15



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.10 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

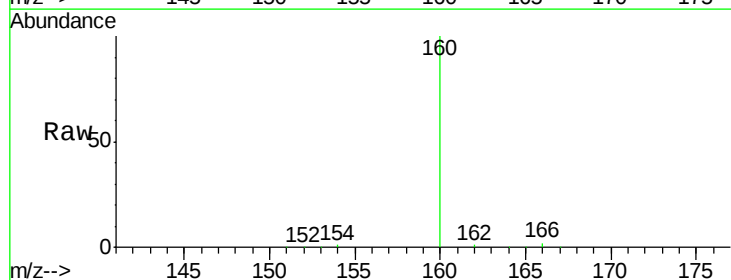
Tgt Ion:152 Resp: 234

Ion Ratio Lower Upper

152 100

151 78.2 16.8 25.2#

153 60.1 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

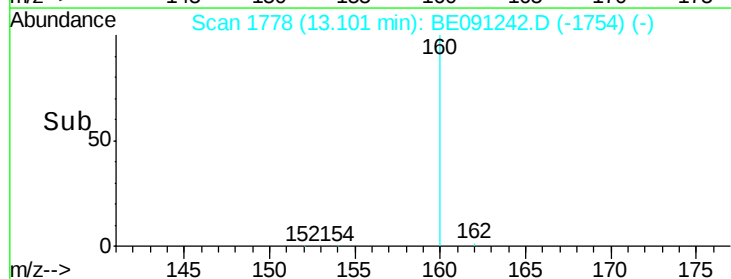
300

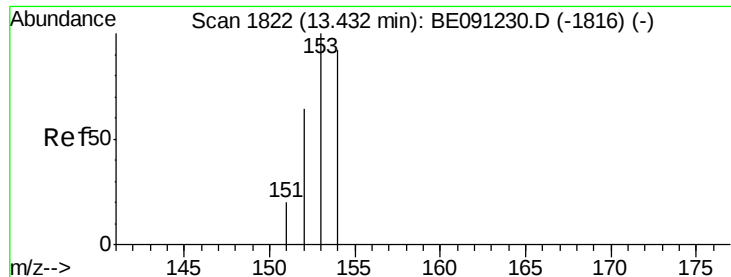
200

100

0

Time--> 13.10 13.20





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

D9KM1

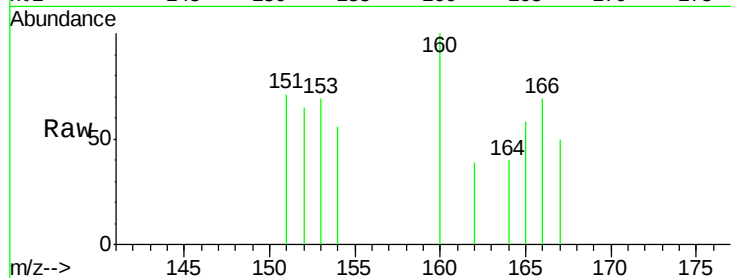
Tgt Ion:153 Resp: 183

Ion Ratio Lower Upper

153 100

152 94.1 42.3 63.5#

154 80.2 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

13.42

13.45

13.40

13.42

13.45

13.40

13.42

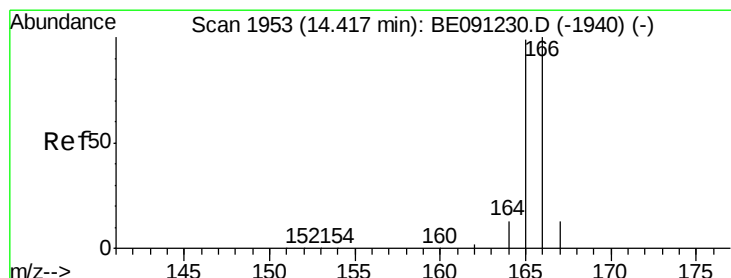
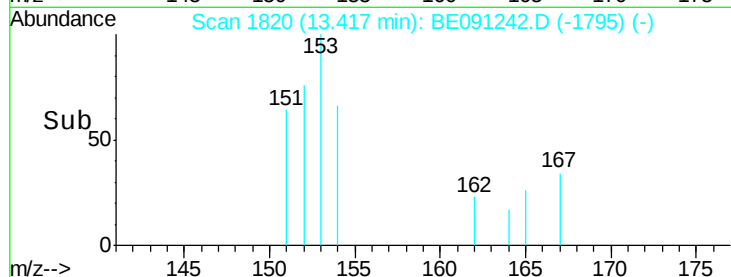
13.45

13.40

13.42

13.45

Time-->



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

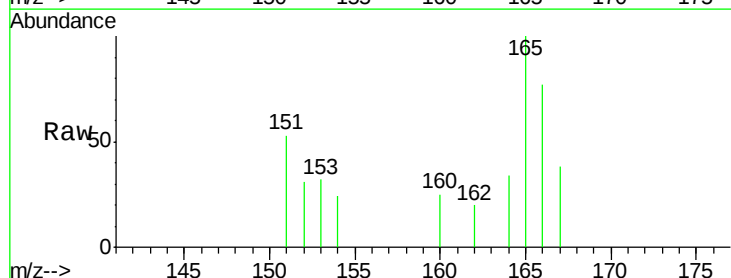
Tgt Ion:166 Resp: 435

Ion Ratio Lower Upper

166 100

165 130.1 87.6 131.4

167 49.9 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

14.40

14.45

14.35

14.40

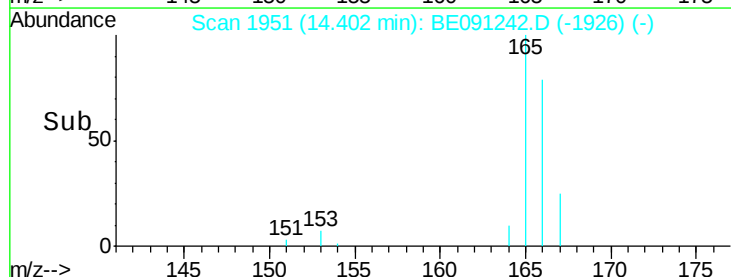
14.45

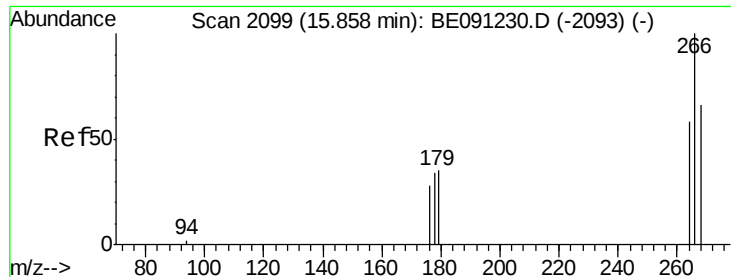
14.35

14.40

14.45

Time-->

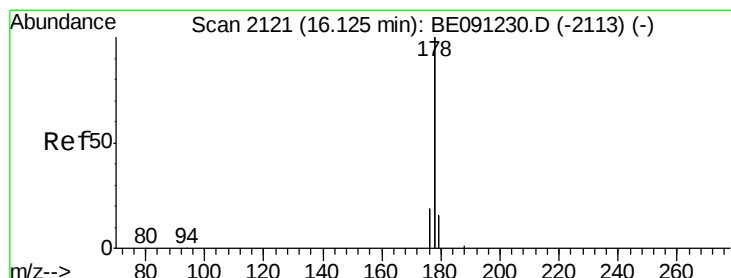
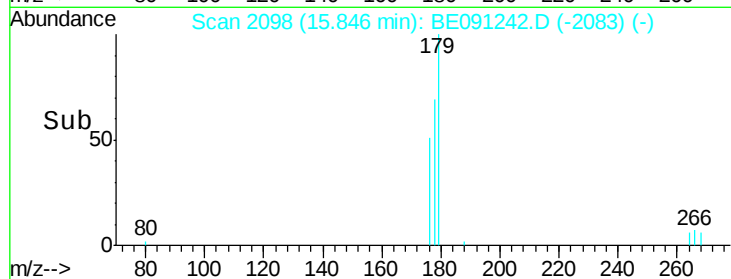
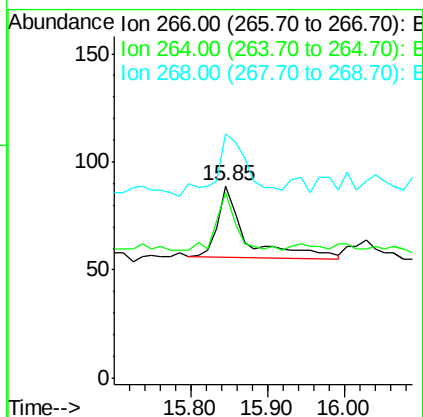
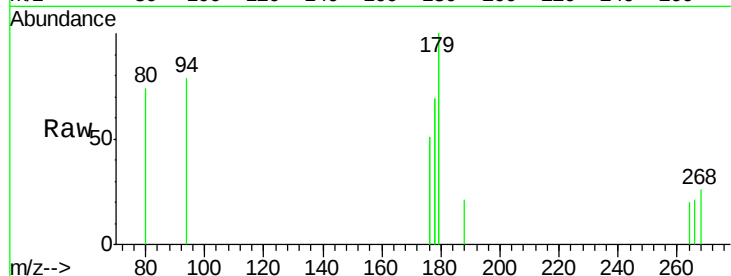




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091242.D
 Acq: 18 Nov 2015 23:50

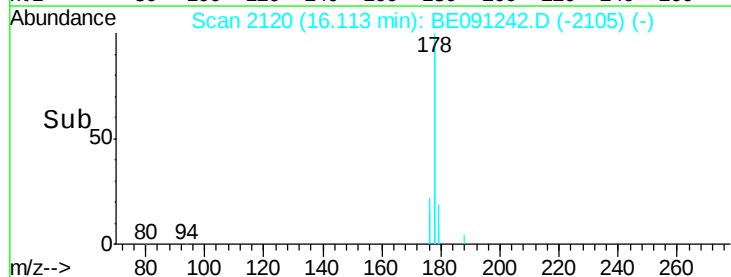
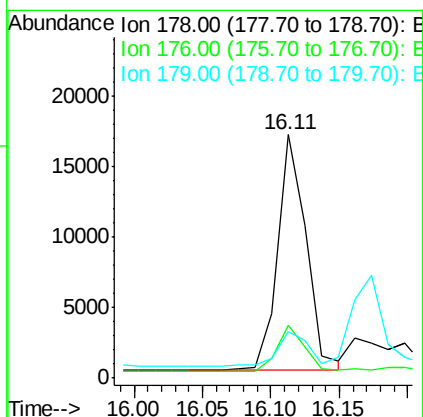
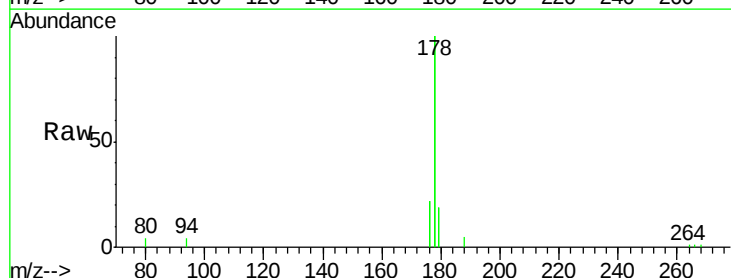
Instrument :
 BNA_E
 ClientSampleId :
 D9KM1

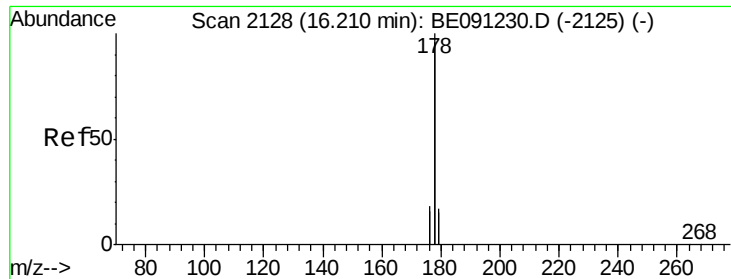
Tgt Ion: 266 Resp: 85
 Ion Ratio Lower Upper
 266 100
 264 56.5 53.5 80.3
 268 96.5 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091242.D
 Acq: 18 Nov 2015 23:50

Tgt Ion: 178 Resp: 24112
 Ion Ratio Lower Upper
 178 100
 176 21.9 16.2 24.4
 179 19.0 12.8 19.2





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

D9KM1

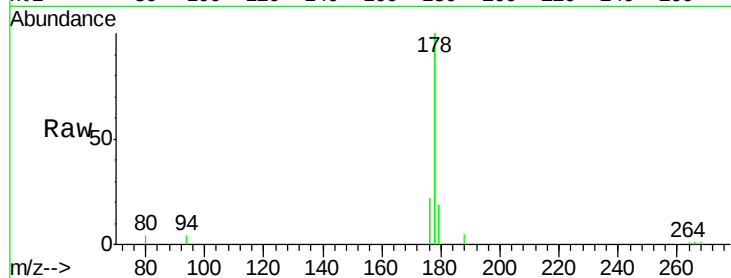
Tgt Ion:178 Resp: 18837

Ion Ratio Lower Upper

178 100

176 21.9 15.8 23.8

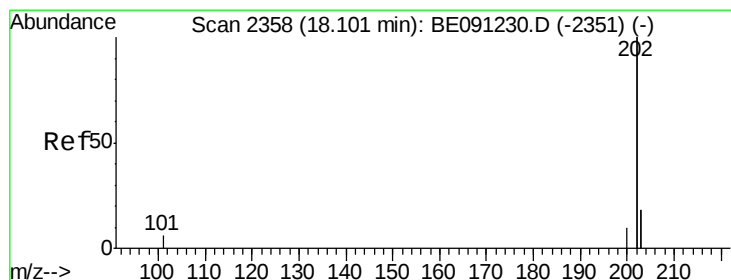
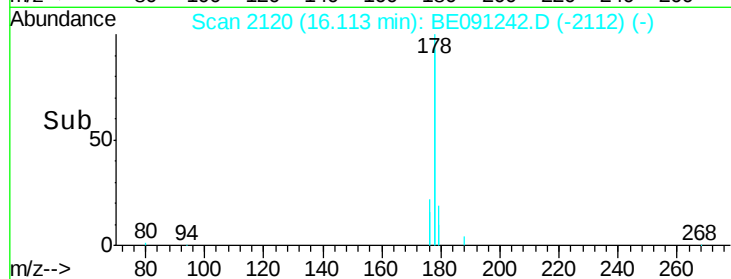
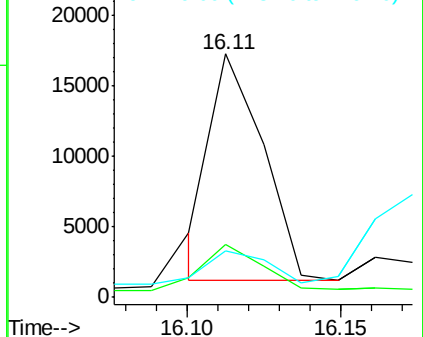
179 19.0 13.3 19.9



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: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

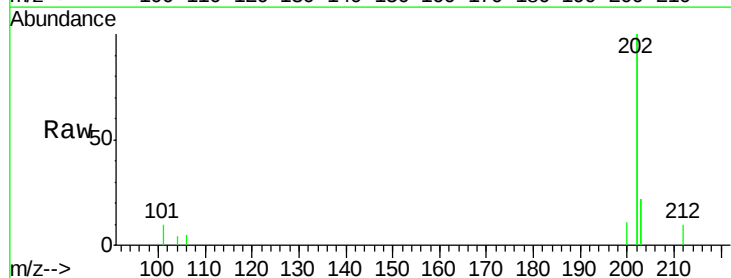
Tgt Ion:202 Resp: 23387

Ion Ratio Lower Upper

202 100

101 4.8 0.0 33.1

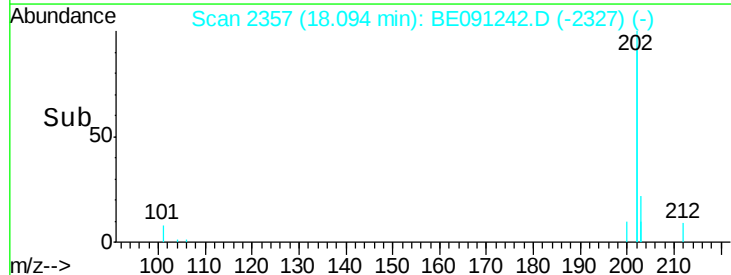
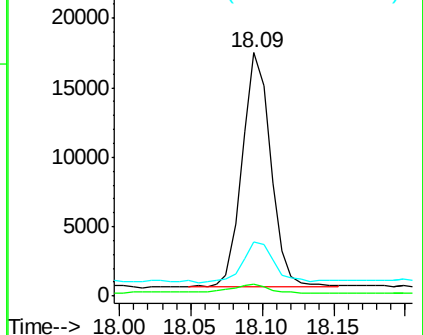
203 22.0 0.0 37.2

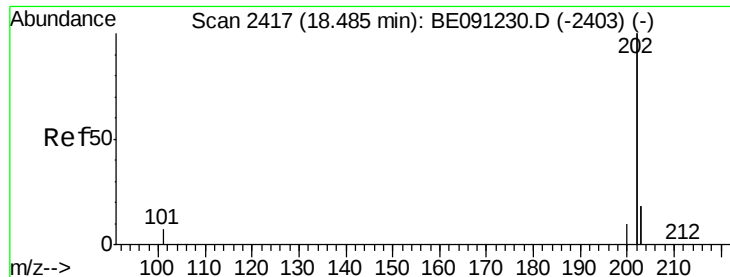


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.05 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

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ClientSampleId :

D9KM1

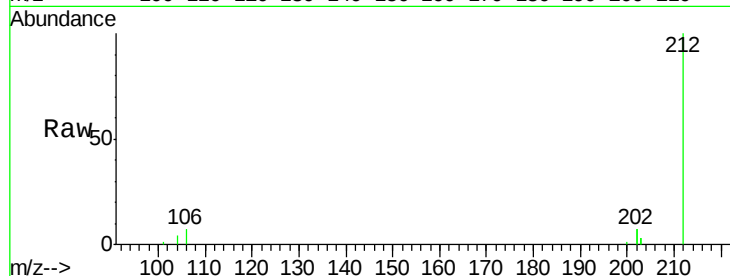
Tgt Ion:202 Resp: 35570

Ion Ratio Lower Upper

202 100

200 5.7 18.0 27.0#

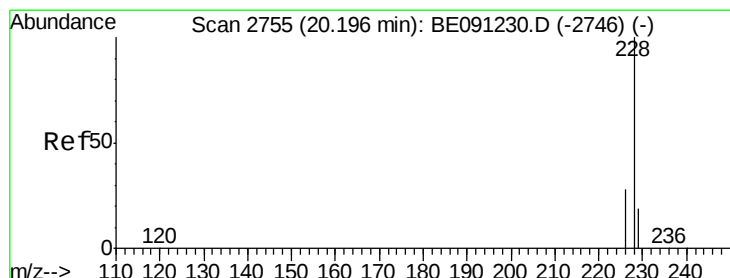
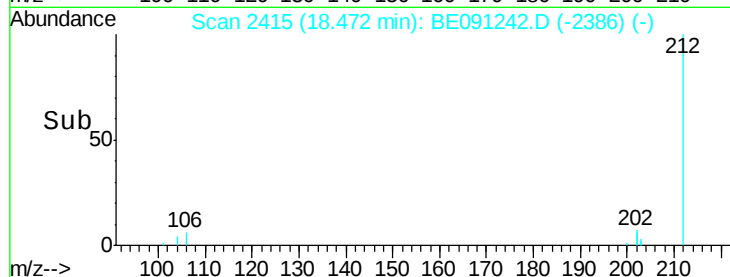
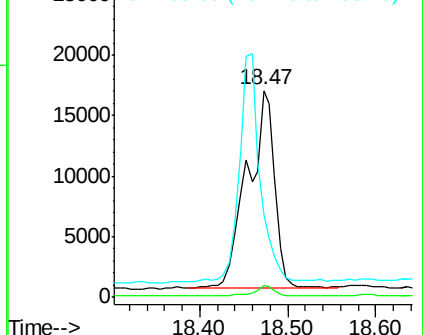
203 39.7 13.8 20.6#



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: 0.01 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

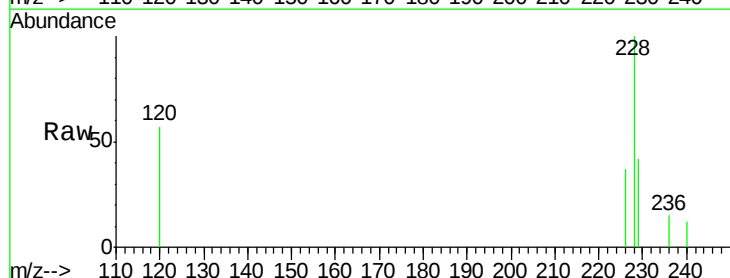
Tgt Ion:228 Resp: 2145

Ion Ratio Lower Upper

228 100

226 36.5 23.0 34.4#

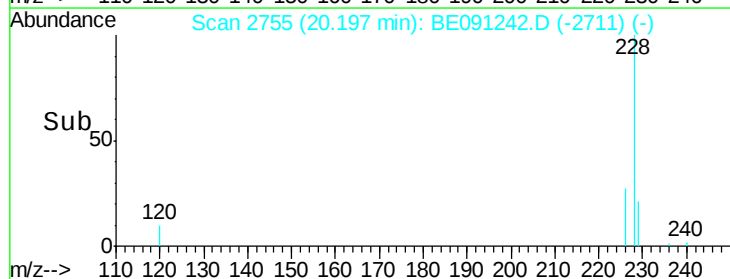
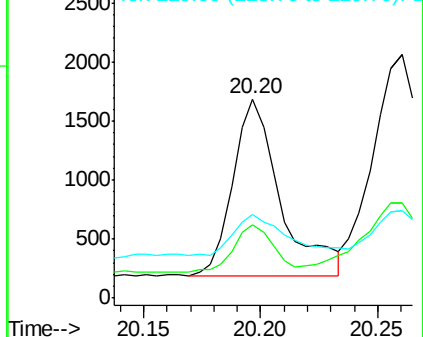
229 42.0 15.2 22.8#

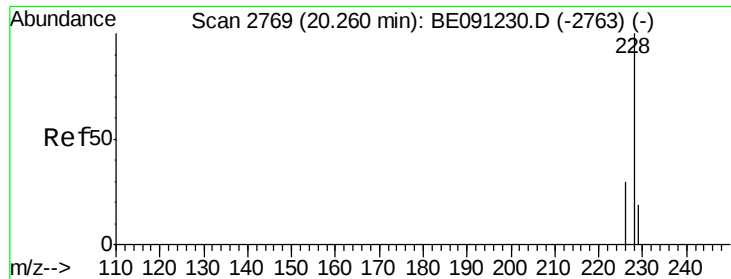


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.01 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

D9KM1

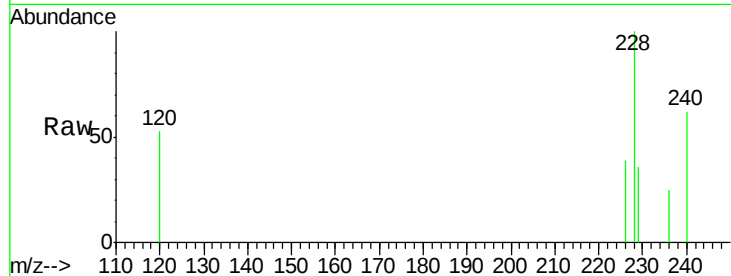
Tgt Ion:228 Resp: 2784

Ion Ratio Lower Upper

228 100

226 39.1 25.7 38.5#

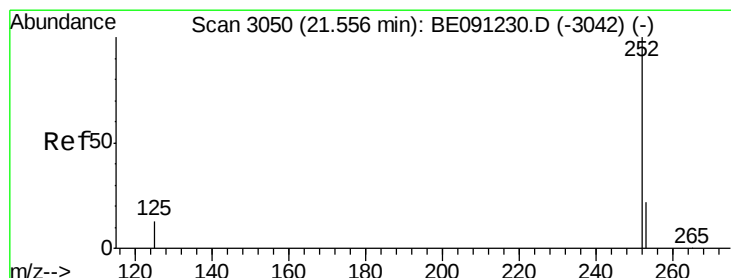
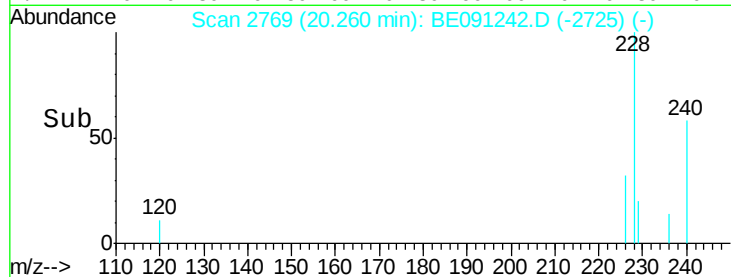
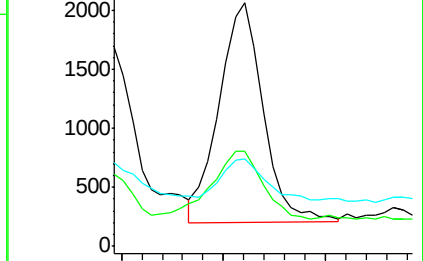
229 35.7 15.2 22.8#



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: 0.01 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

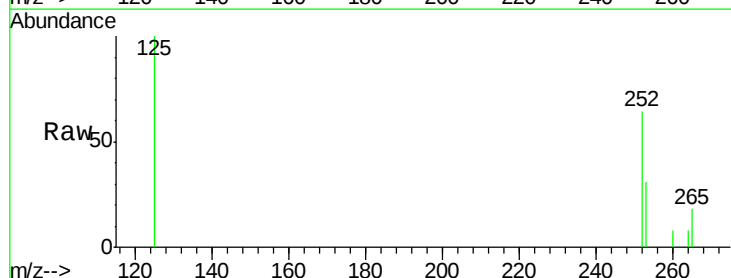
Tgt Ion:252 Resp: 2633

Ion Ratio Lower Upper

252 100

253 49.2 0.0 48.0#

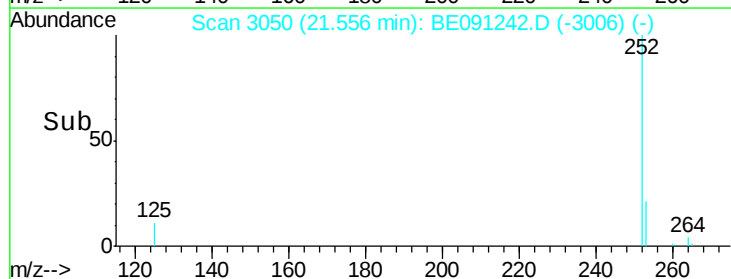
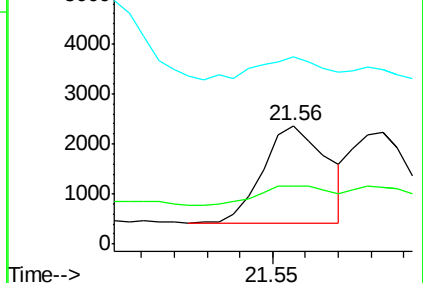
125 157.4 0.0 36.6#

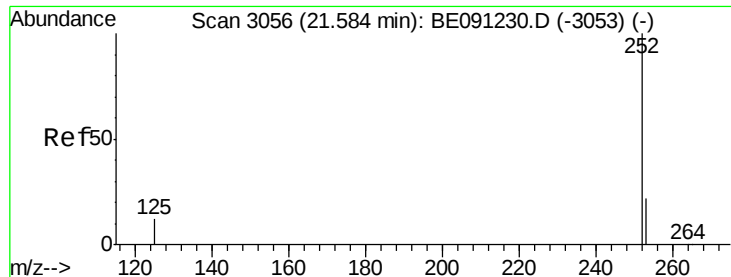


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

D9KM1

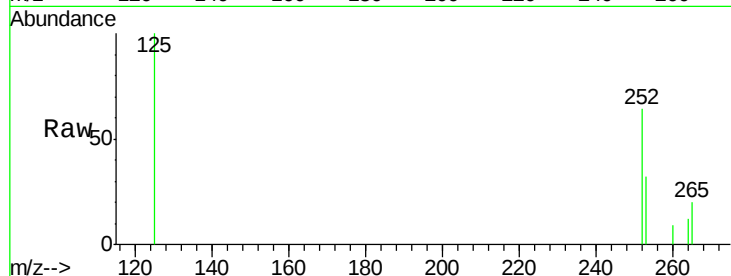
Tgt Ion:252 Resp: 2306

Ion Ratio Lower Upper

252 100

253 50.5 20.8 31.2#

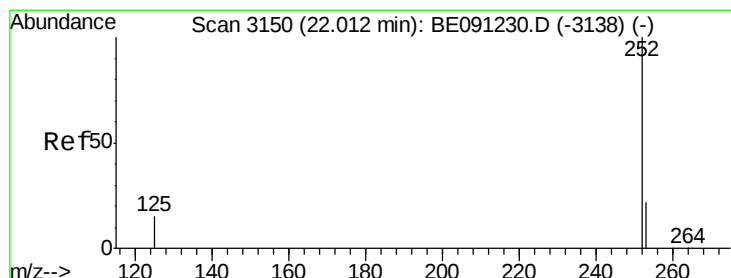
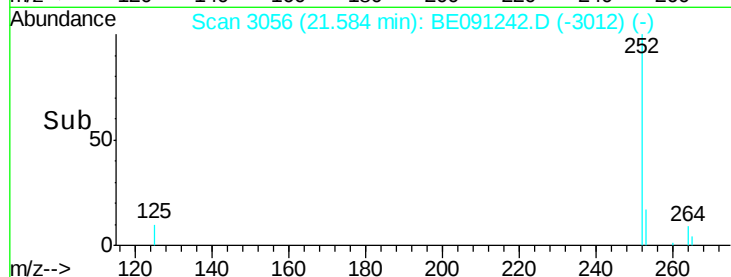
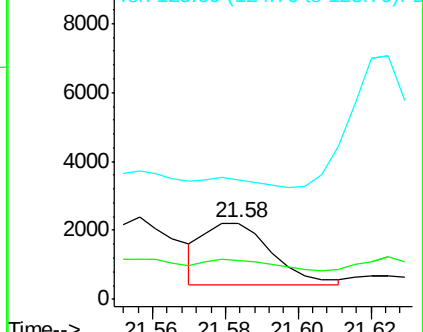
125 156.7 12.2 18.4#



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: 0.05 ng/ul

RT: 21.98 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

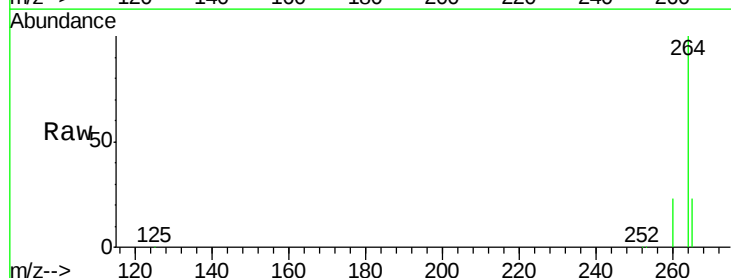
Tgt Ion:252 Resp: 10531

Ion Ratio Lower Upper

252 100

253 40.6 21.8 32.8#

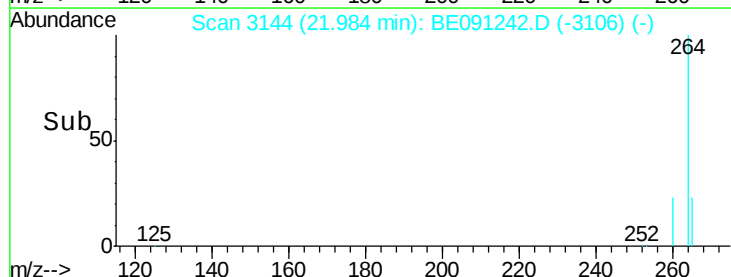
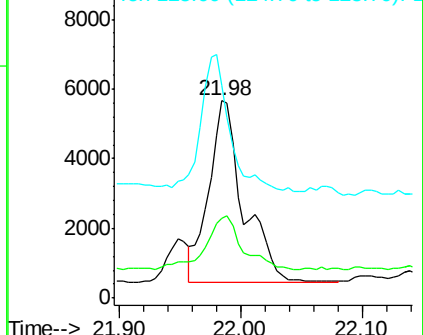
125 108.2 14.5 21.7#

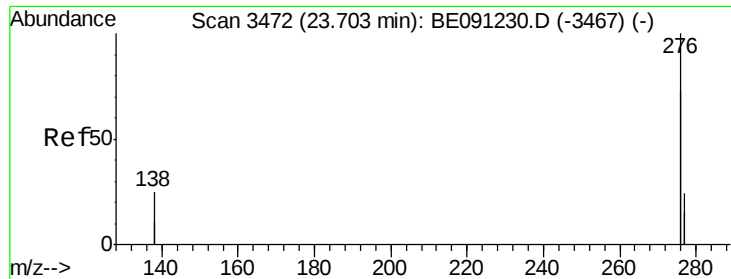


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.01 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

D9KM1

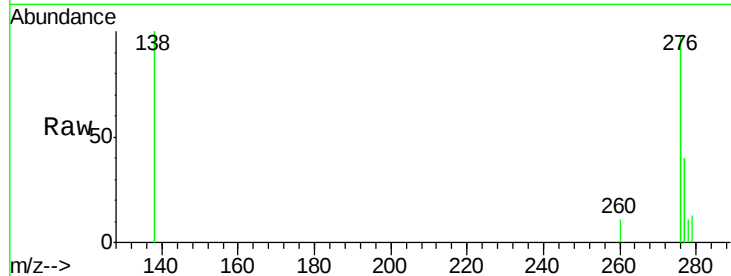
Tgt Ion: 276 Resp: 7490

Ion Ratio Lower Upper

276 100

138 34.9 27.5 41.3

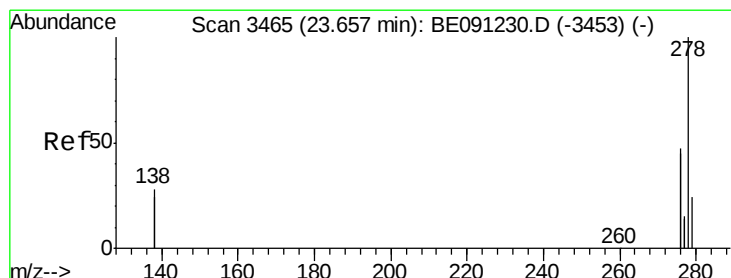
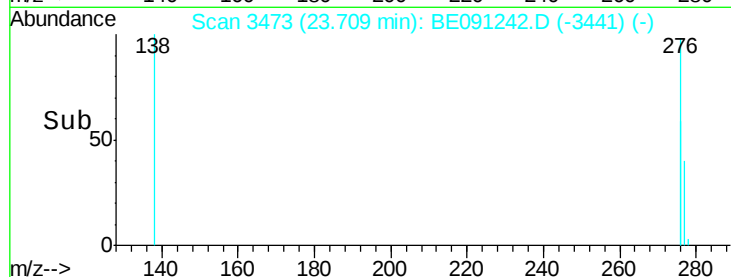
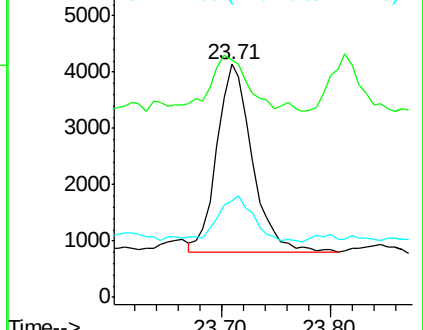
277 23.8 19.3 28.9



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: 23.66 min Scan# 3465

Delta R.T. 0.00 min

Lab File: BE091242.D

Acq: 18 Nov 2015 23:50

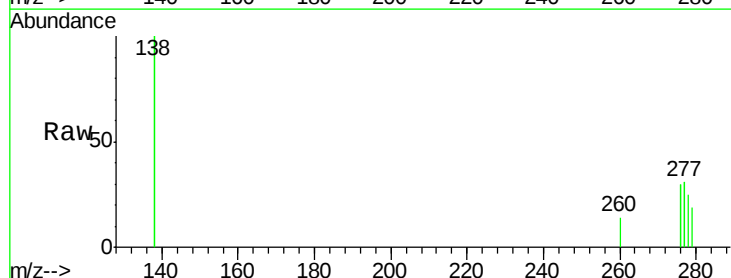
Tgt Ion: 278 Resp: 705

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

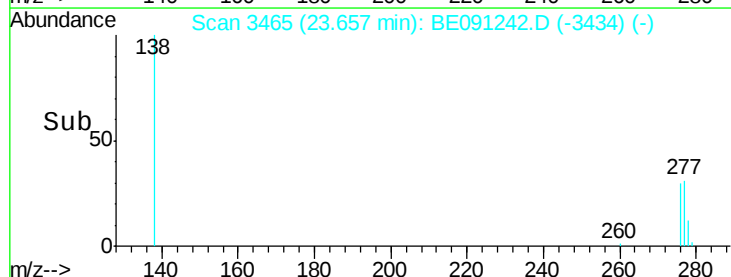
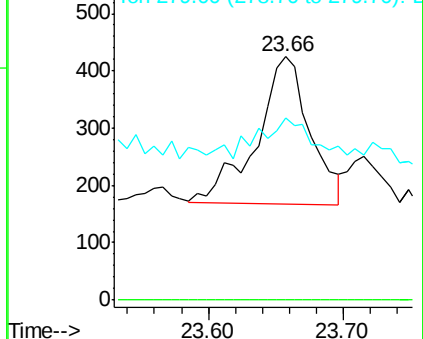
279 74.8 21.9 32.9#

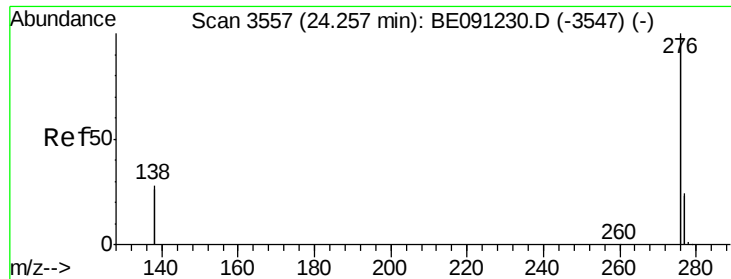


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.01 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091242.D

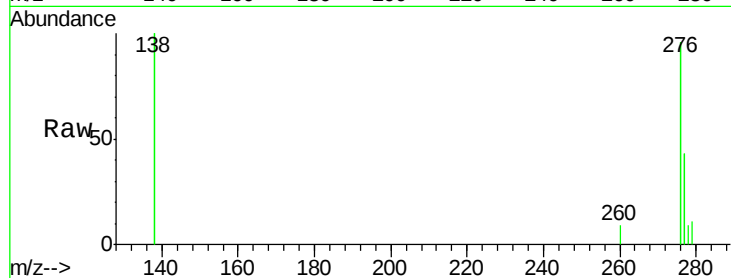
Acq: 18 Nov 2015 23:50

Instrument :

BNA_E

ClientSampleId :

D9KM1



Tgt Ion: 276 Resp: 8588

Ion Ratio Lower Upper

276 100

277 44.4 21.3 31.9#

138 104.2 25.5 38.3#

