

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091224.D
 Acq On : 18 Nov 2015 12:53
 Operator : UM/NP
 Sample : G4309-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KP3

Quant Time: Nov 19 04:28:16 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 04:25:56 2015
 Response via : Initial Calibration

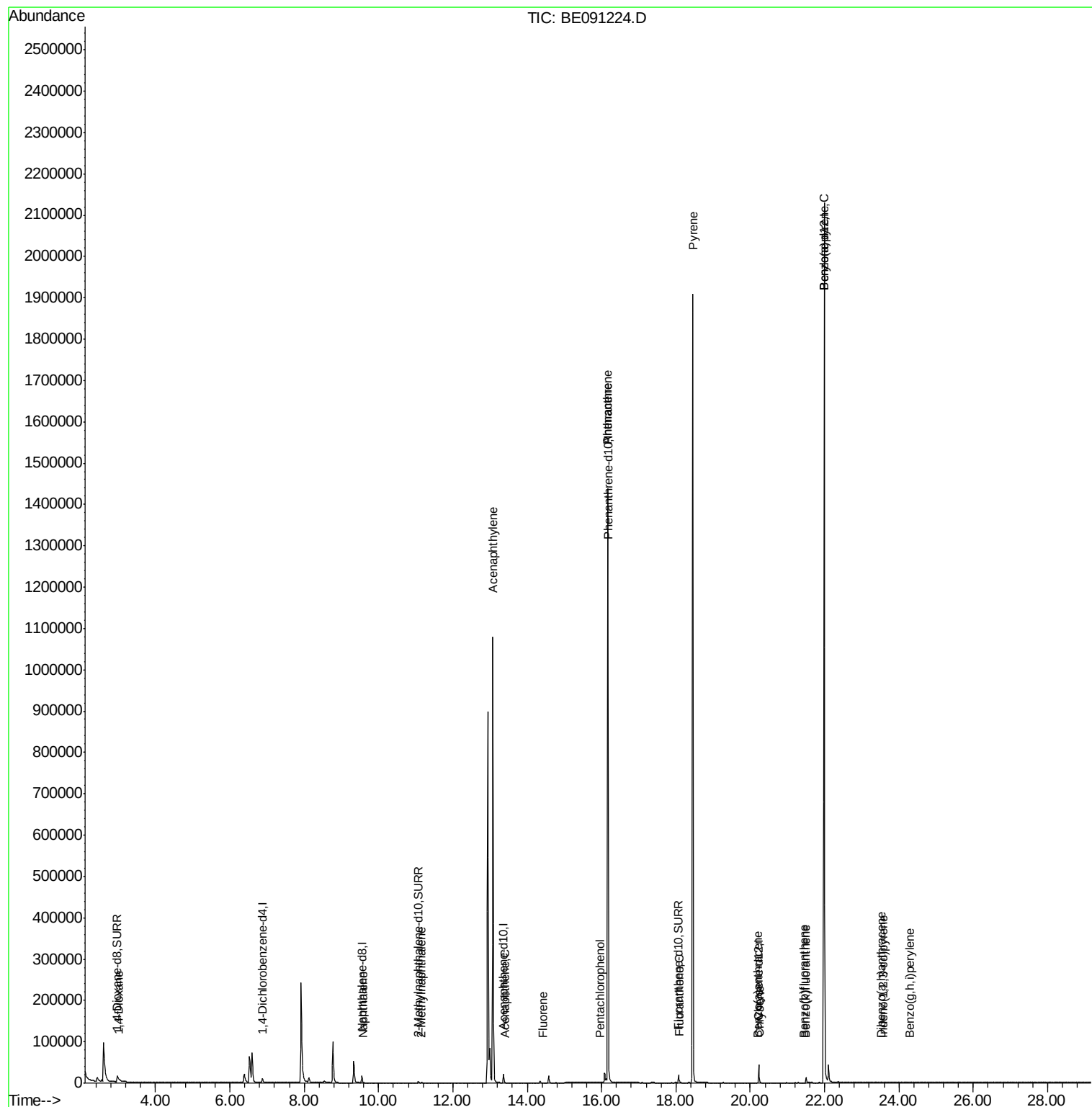
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	4117	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.55	136	20474	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	10665	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1709167	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	39837	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	2224034	0.40	ng/ul	-0.12
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	23942	8.08	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	7191	0.26	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	21805	0.00	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.01	88	285	0.09	ng/ul#	24
5) Naphthalene	9.60	128	585	0.01	ng/ul#	49
7) 2-Methylnaphthalene	11.15	142	100	0.00	ng/ul#	1
9) Acenaphthylene	13.08	152	194	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	107	0.00	ng/ul#	78
11) Fluorene	14.41	166	251	0.01	ng/ul#	77
13) Pentachlorophenol	15.96	266	6	0.00	ng/ul#	16
14) Phenanthrene	16.16	178	4861	0.00	ng/ul#	1
15) Anthracene	16.16	178	4800	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	3476	0.00	ng/ul	81
19) Pyrene	18.45	202	17558	0.04	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	254	0.00	ng/ul#	66
21) Chrysene	20.26	228	363	0.00	ng/ul#	68
23) Benzo(b)fluoranthene	21.43	252	39	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.47	252	14	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	8730	0.00	ng/ul#	62
26) Indeno(1,2,3-cd)pyrene	23.59	276	45	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.53	278	29	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.28	276	979	0.00	ng/ul#	1

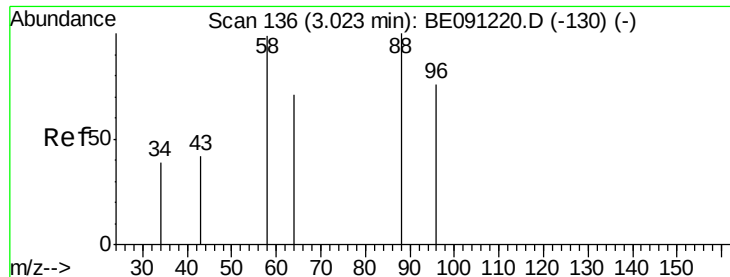
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.09 ng/ul

RT: 3.01 min Scan# 135

Delta R.T. -0.01 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

D9KP3

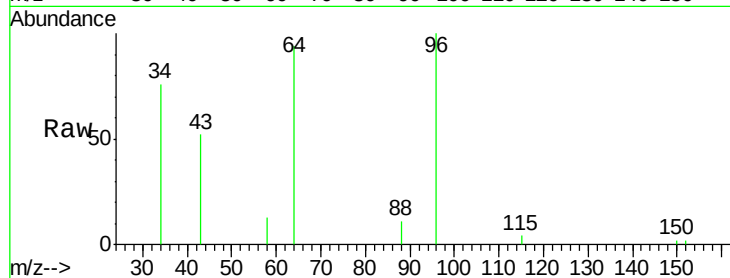
Tgt Ion: 88 Resp: 285

Ion Ratio Lower Upper

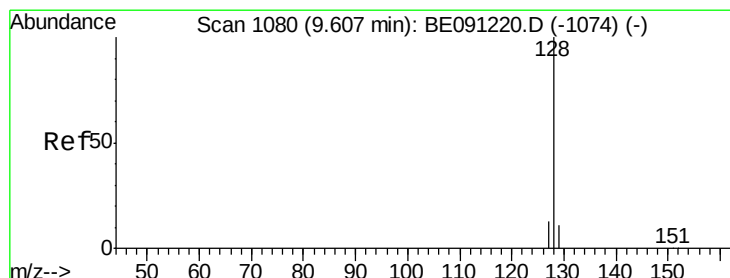
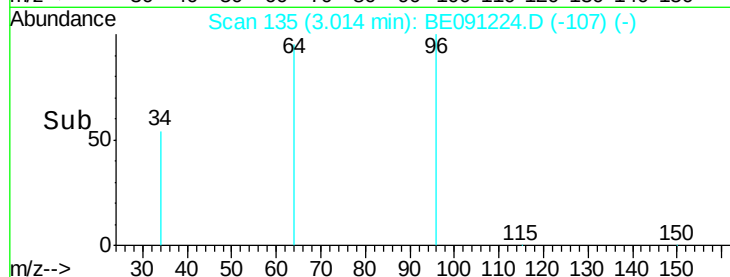
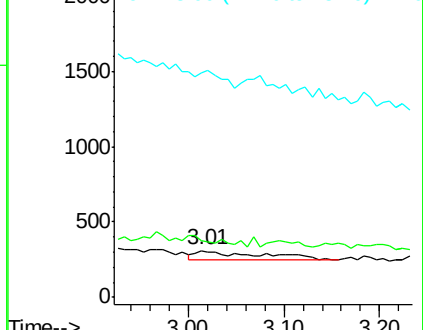
88 100

58 0.0 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: 0.01 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

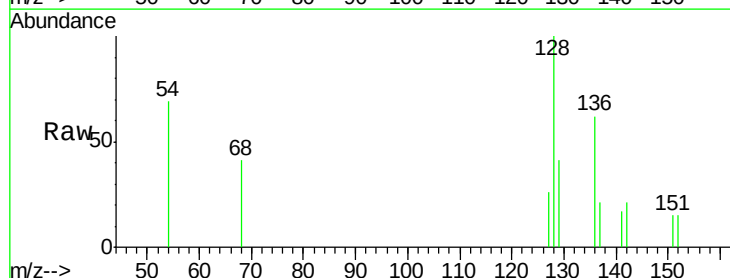
Tgt Ion: 128 Resp: 585

Ion Ratio Lower Upper

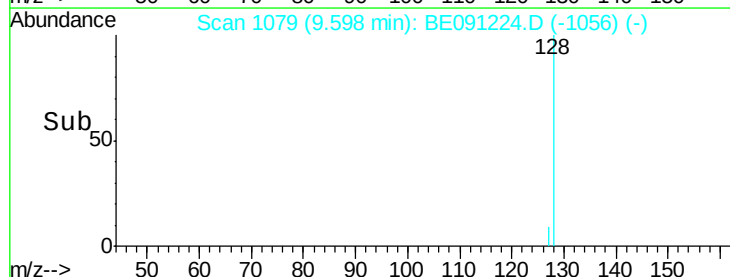
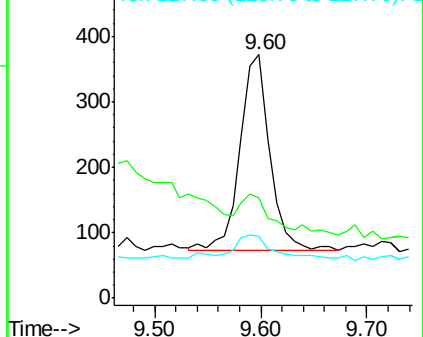
128 100

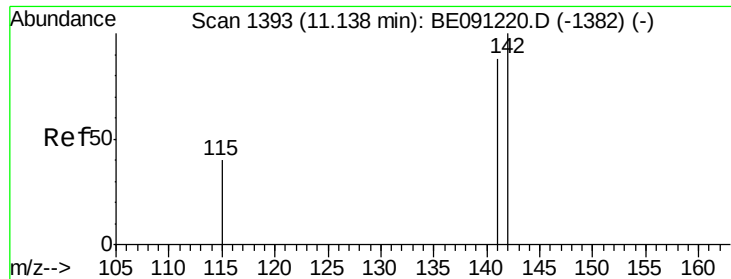
129 41.4 9.8 14.8#

127 25.5 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: 0.00 ng/ul

RT: 11.15 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

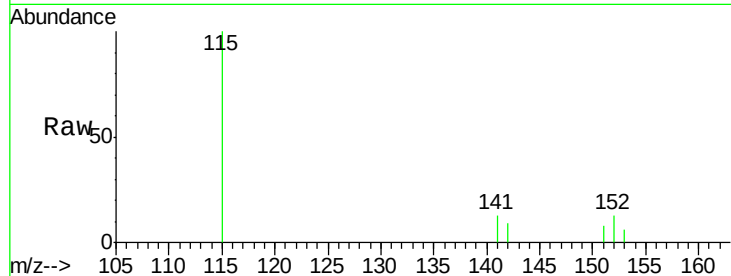
D9KP3

Tgt Ion:142 Resp: 100

Ion Ratio Lower Upper

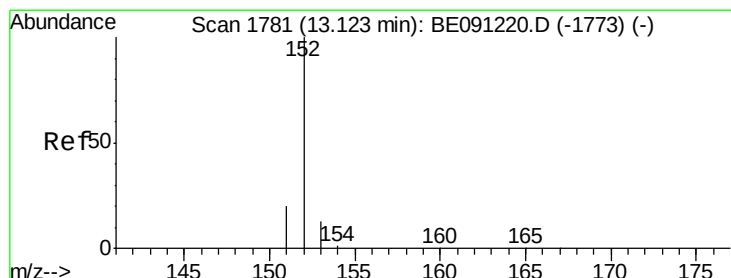
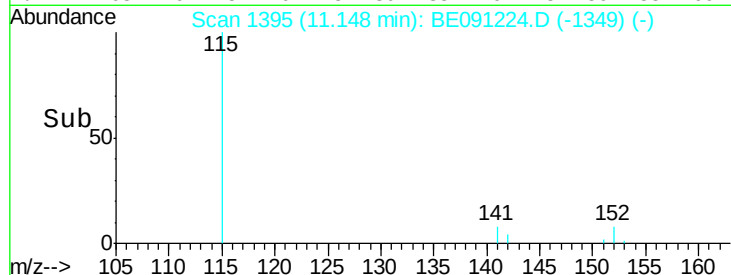
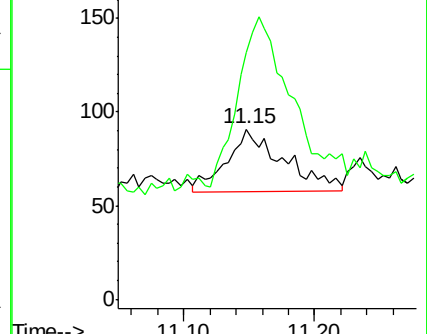
142 100

141 262.0 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.05 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

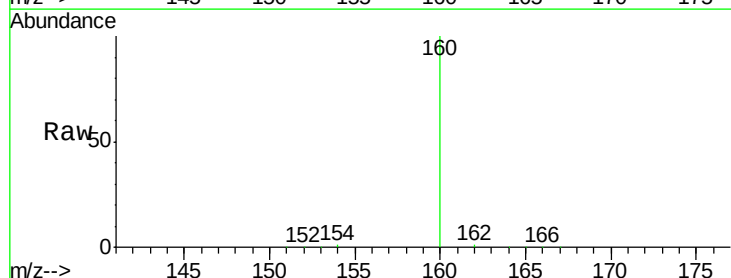
Tgt Ion:152 Resp: 194

Ion Ratio Lower Upper

152 100

151 63.3 16.8 25.2#

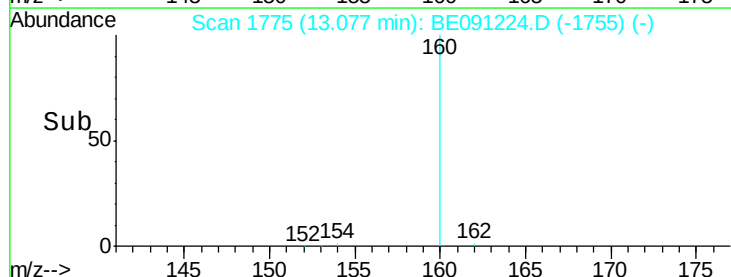
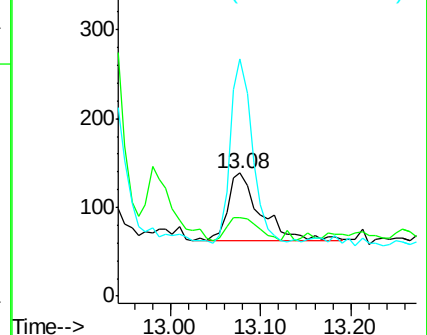
153 192.8 11.3 16.9#

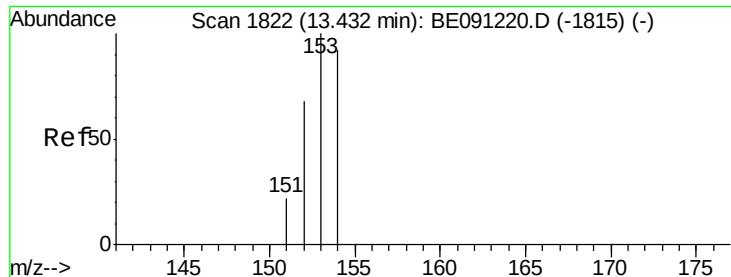


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

D9KP3

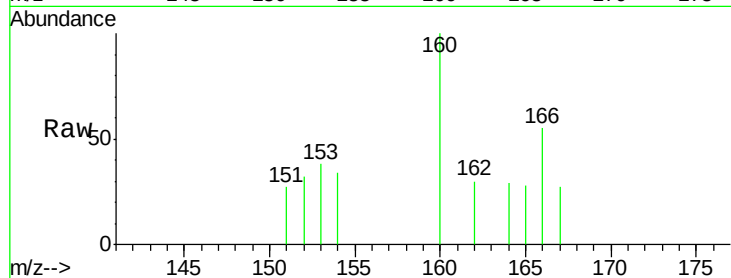
Tgt Ion:153 Resp: 107

Ion Ratio Lower Upper

153 100

152 82.9 42.3 63.5#

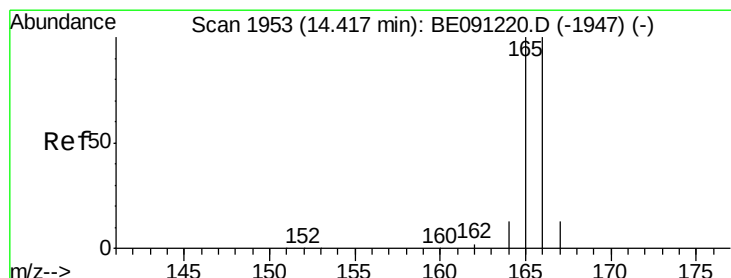
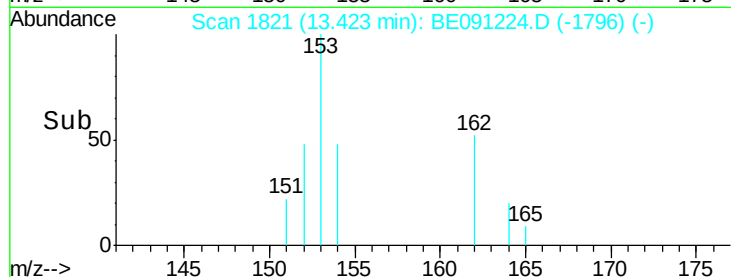
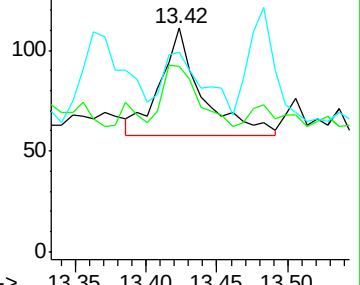
154 89.2 64.7 97.1



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: 0.01 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

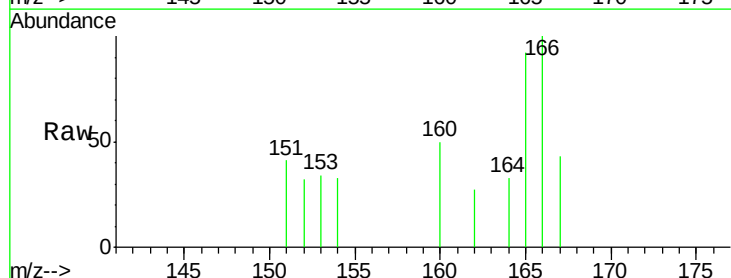
Tgt Ion:166 Resp: 251

Ion Ratio Lower Upper

166 100

165 91.7 87.6 131.4

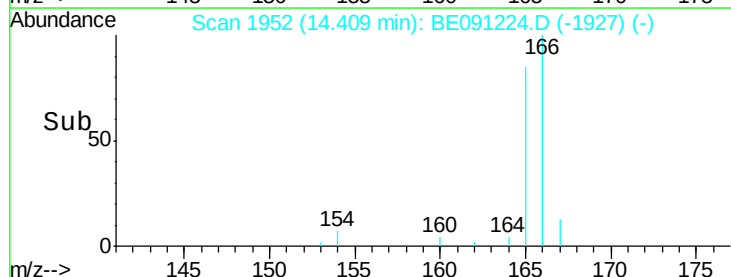
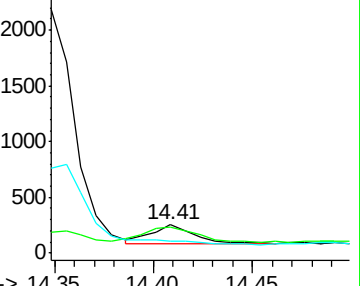
167 43.3 11.1 16.7#

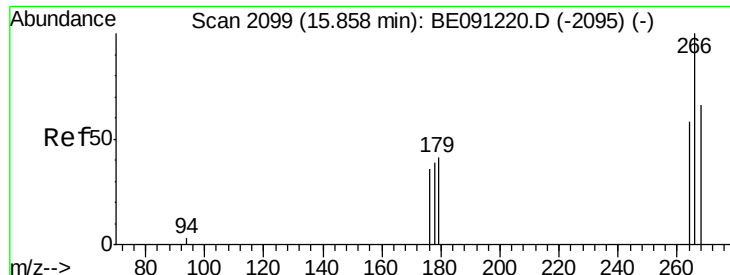


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

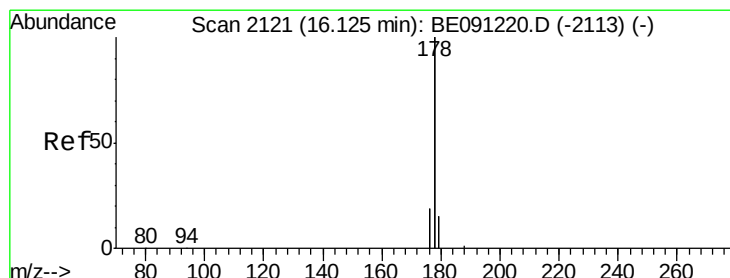
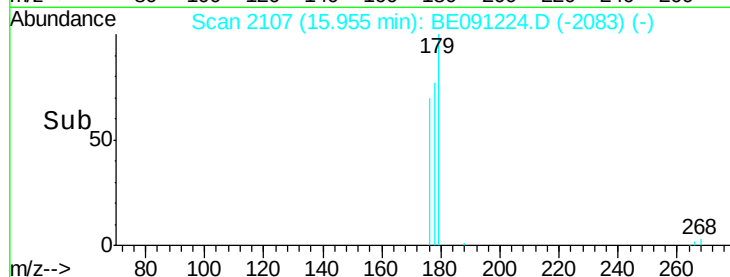
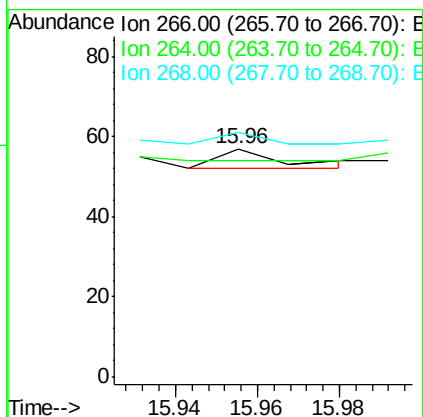
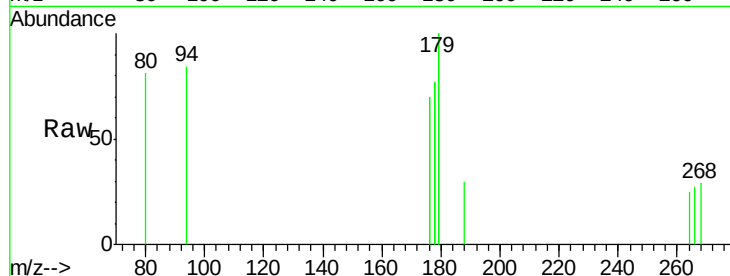




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.96 min Scan# 2107
 Delta R.T. 0.10 min
 Lab File: BE091224.D
 Acq: 18 Nov 2015 12:53

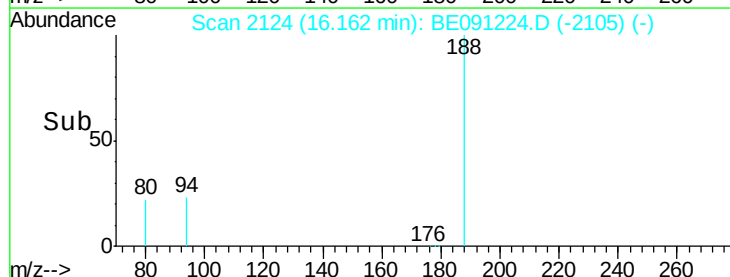
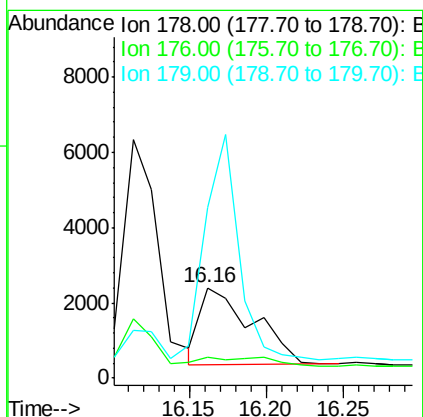
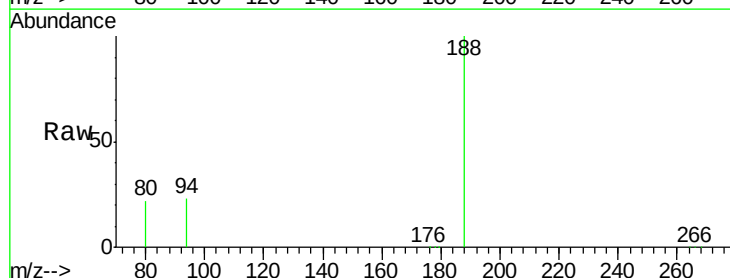
Instrument :
 BNA_E
 ClientSampleId :
 D9KP3

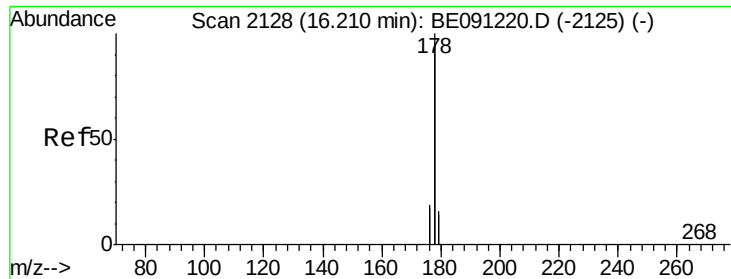
Tgt Ion: 266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 0.0 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091224.D
 Acq: 18 Nov 2015 12:53

Tgt Ion: 178 Resp: 4861
 Ion Ratio Lower Upper
 178 100
 176 22.7 16.2 24.4
 179 189.8 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.16 min Scan# 2124

Delta R.T. -0.05 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

D9KP3

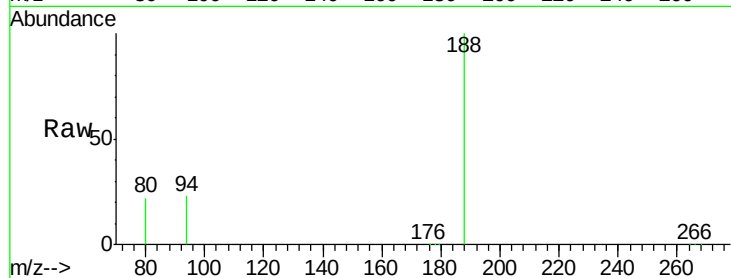
Tgt Ion:178 Resp: 4800

Ion Ratio Lower Upper

178 100

176 22.7 15.8 23.8

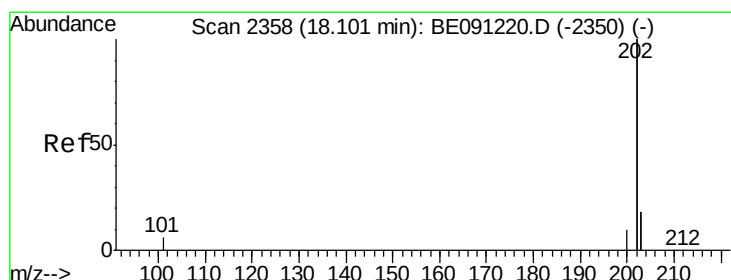
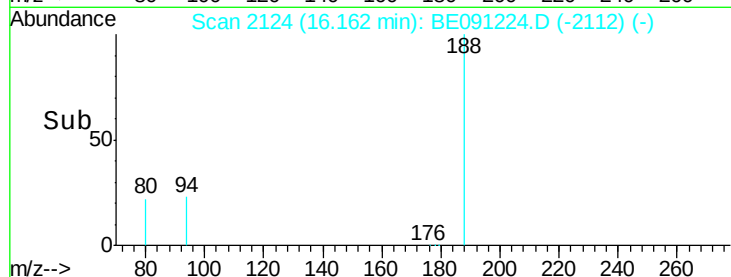
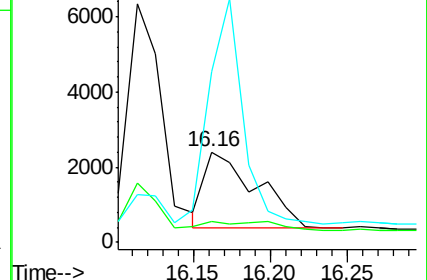
179 189.8 13.3 19.9#



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: BE091224.D

Acq: 18 Nov 2015 12:53

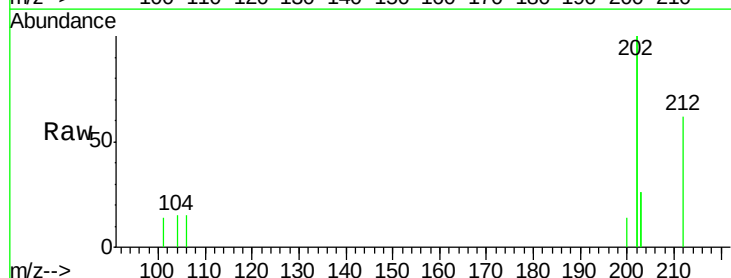
Tgt Ion:202 Resp: 3476

Ion Ratio Lower Upper

202 100

101 7.1 0.0 33.1

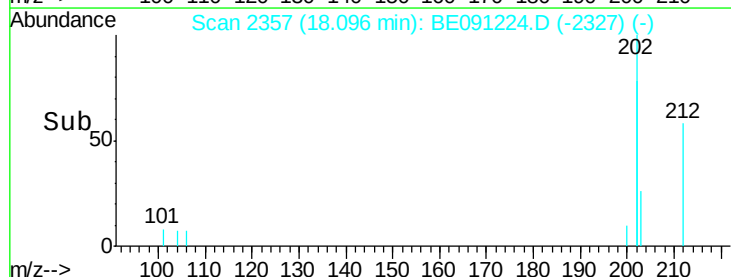
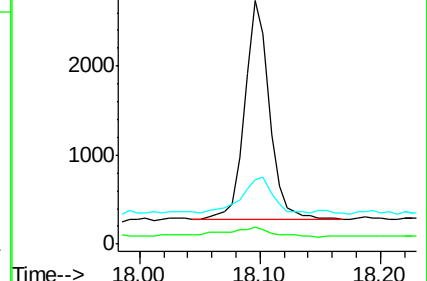
203 26.5 0.0 37.2

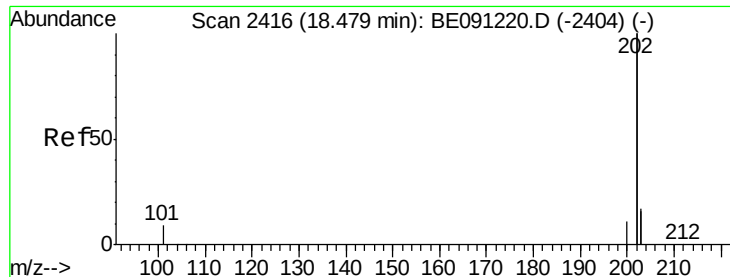


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.04 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.02 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

D9KP3

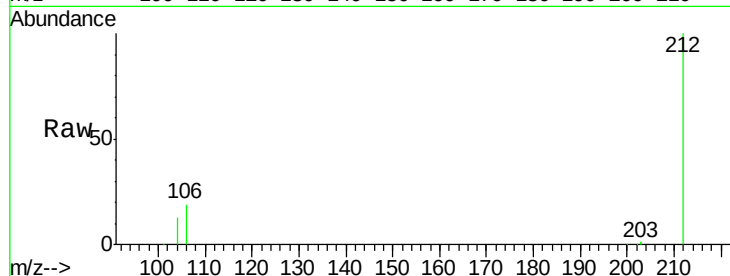
Tgt Ion:202 Resp: 17558

Ion Ratio Lower Upper

202 100

200 1.7 18.0 27.0#

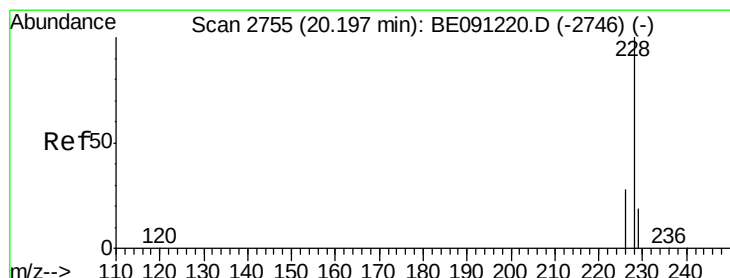
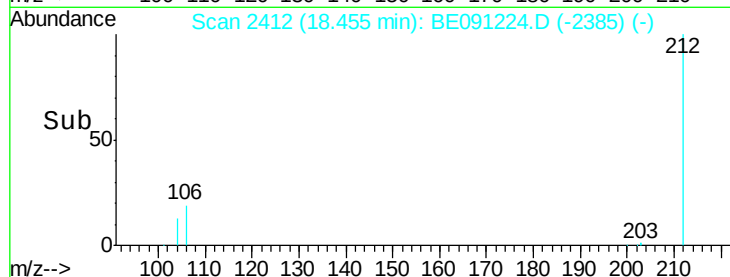
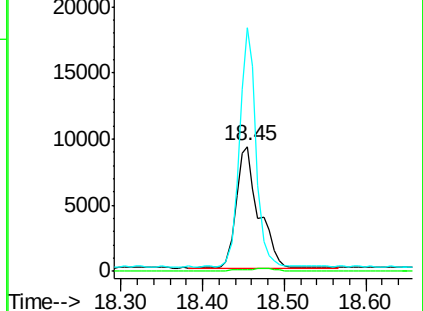
203 194.6 13.8 20.6#



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: 0.00 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

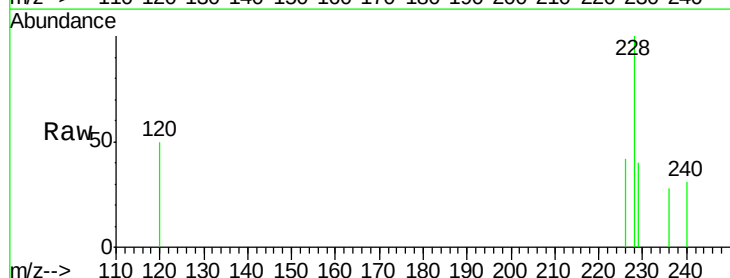
Tgt Ion:228 Resp: 254

Ion Ratio Lower Upper

228 100

226 42.1 23.0 34.4#

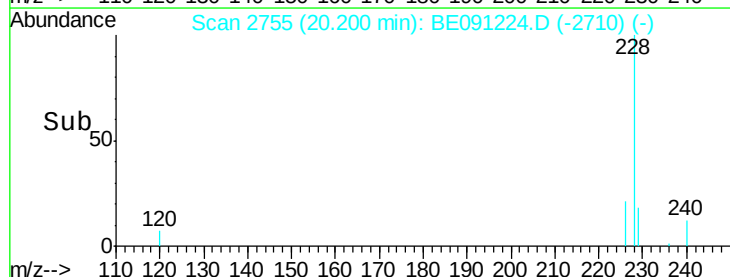
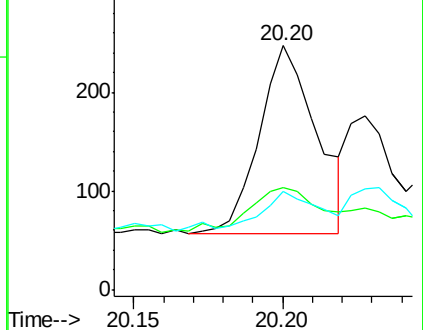
229 40.1 15.2 22.8#

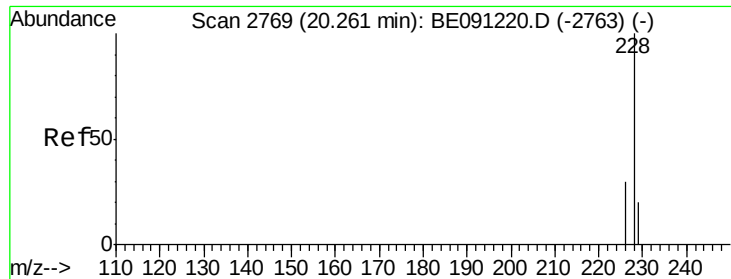


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

D9KP3

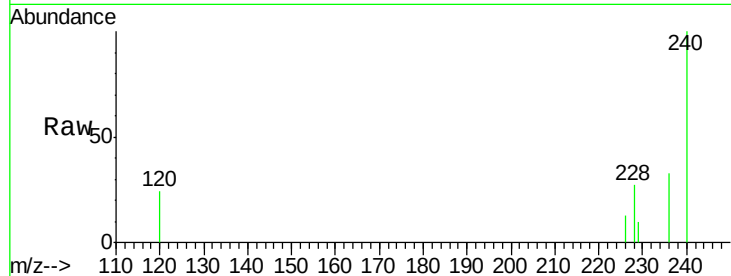
Tgt Ion:228 Resp: 363

Ion Ratio Lower Upper

228 100

226 48.2 25.7 38.5#

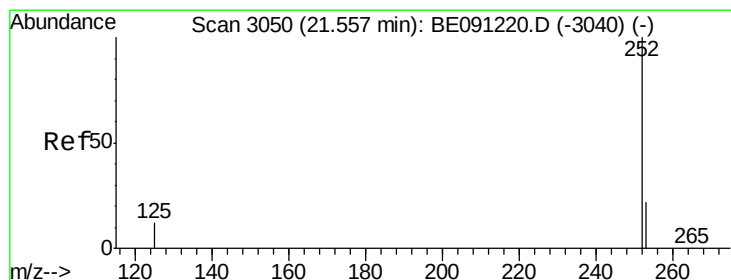
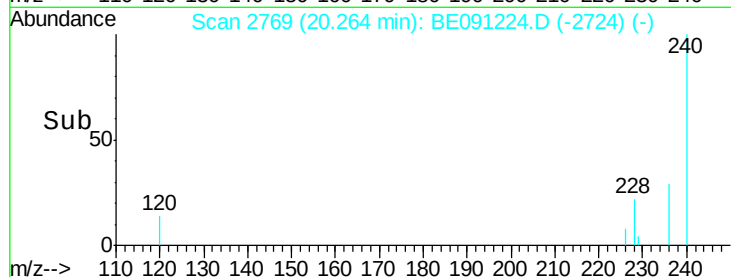
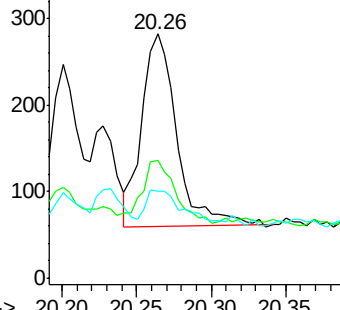
229 35.5 15.2 22.8#



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: 0.00 ng/ul

RT: 21.43 min Scan# 3021

Delta R.T. -0.13 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

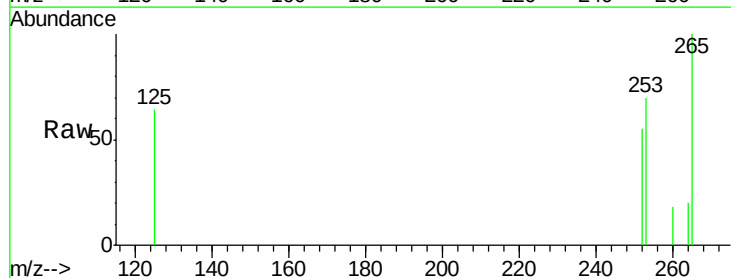
Tgt Ion:252 Resp: 39

Ion Ratio Lower Upper

252 100

253 126.7 0.0 48.0#

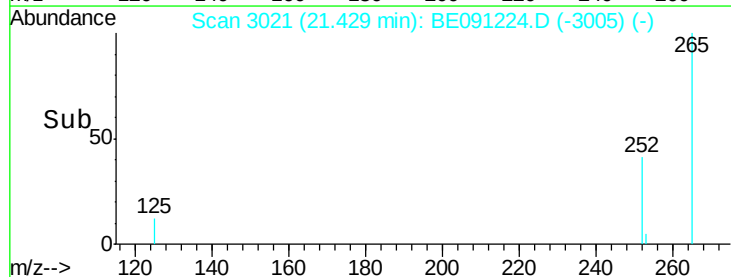
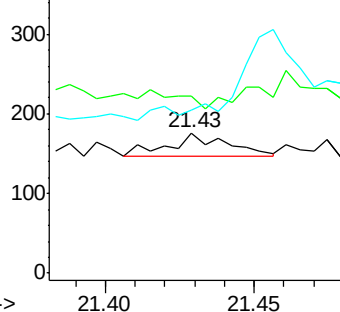
125 115.9 0.0 36.6#

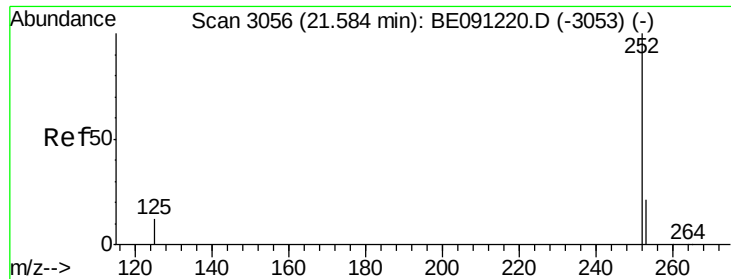


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.47 min Scan# 3031

Delta R.T. -0.11 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampled :

D9KP3

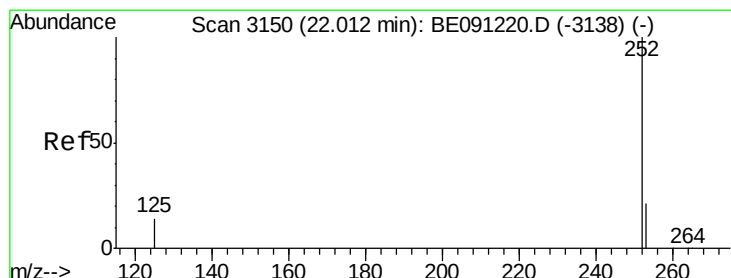
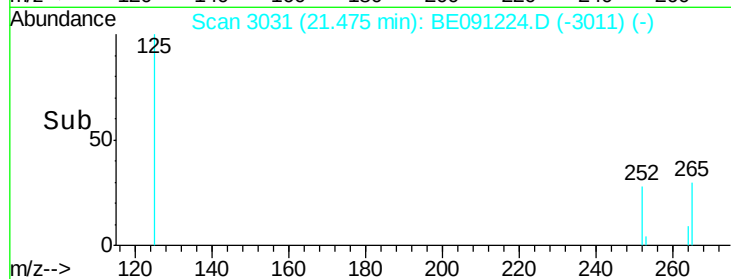
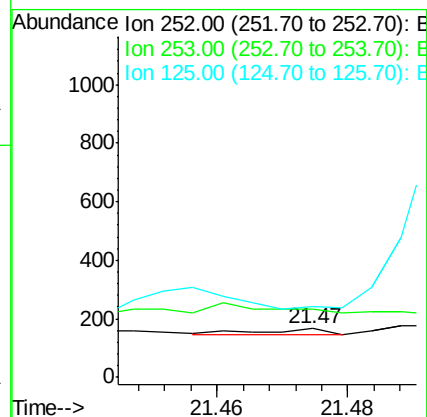
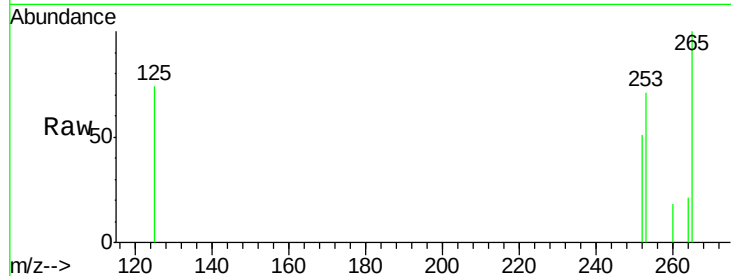
Tgt Ion:252 Resp: 14

Ion Ratio Lower Upper

252 100

253 138.9 20.8 31.2#

125 144.9 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.98 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

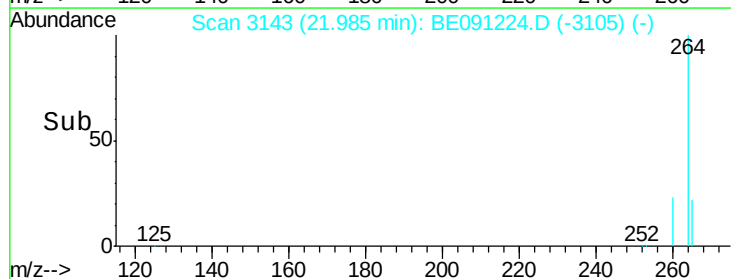
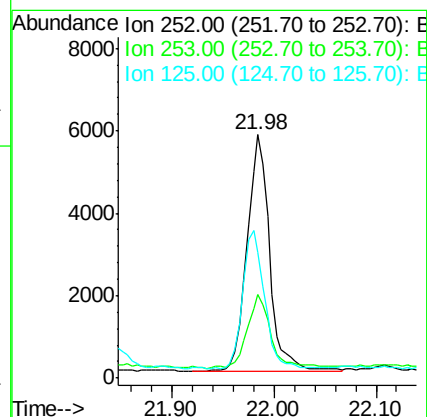
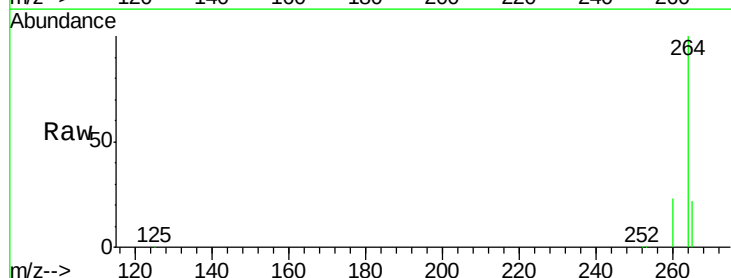
Tgt Ion:252 Resp: 8730

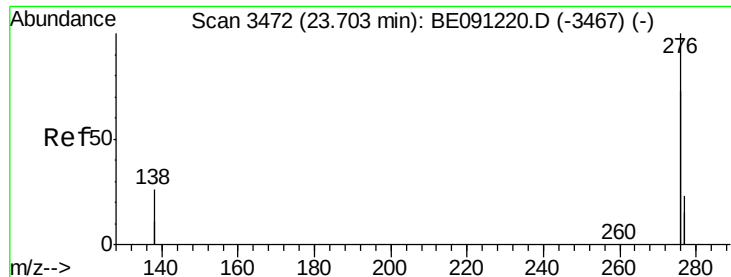
Ion Ratio Lower Upper

252 100

253 34.2 21.8 32.8#

125 51.9 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.59 min Scan# 3453

Delta R.T. -0.12 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

D9KP3

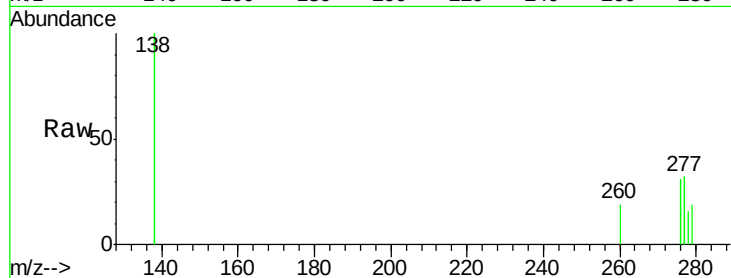
Tgt Ion:276 Resp: 45

Ion Ratio Lower Upper

276 100

138 386.7 27.5 41.3#

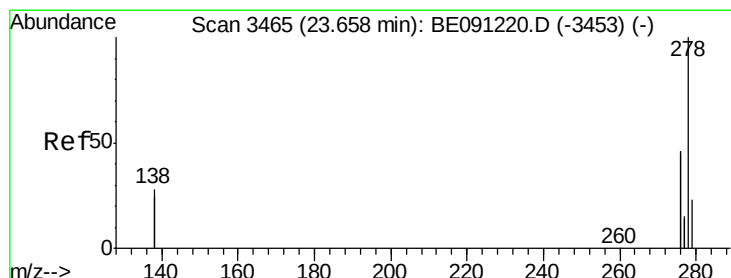
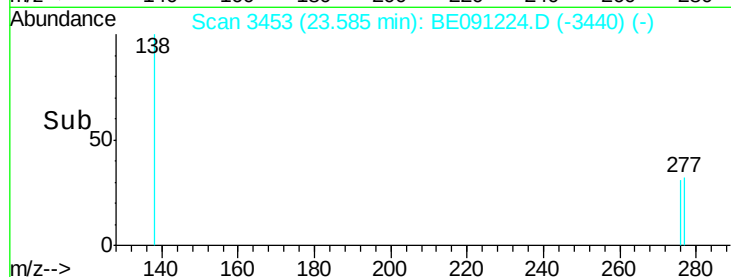
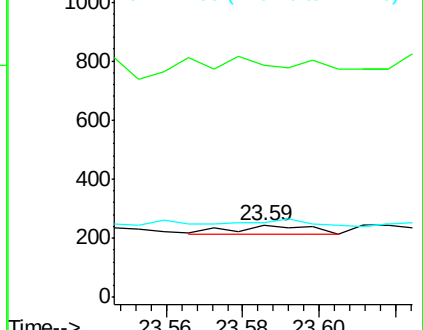
277 62.2 19.3 28.9#



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: 23.53 min Scan# 3444

Delta R.T. -0.13 min

Lab File: BE091224.D

Acq: 18 Nov 2015 12:53

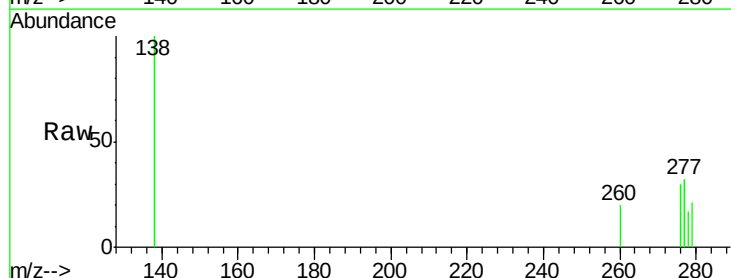
Tgt Ion:278 Resp: 29

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

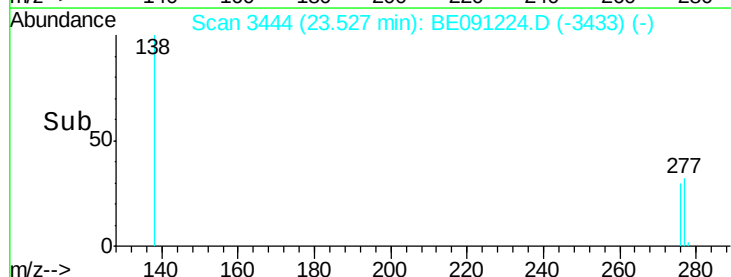
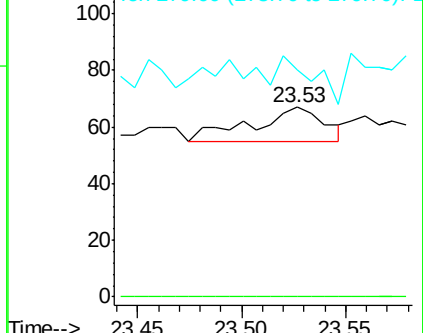
279 119.4 21.9 32.9#

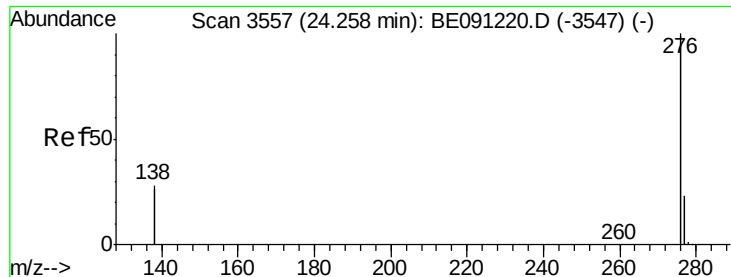


Abundance Ion 278.00 (277.70 to 278.70): E

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# 3560

Delta R.T. 0.03 min

Lab File: BE091224.D

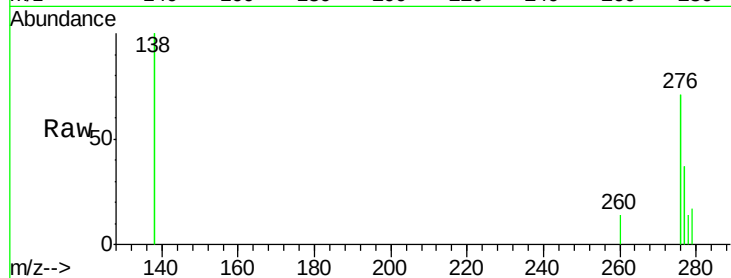
Acq: 18 Nov 2015 12:53

Instrument :

BNA_E

ClientSampleId :

D9KP3



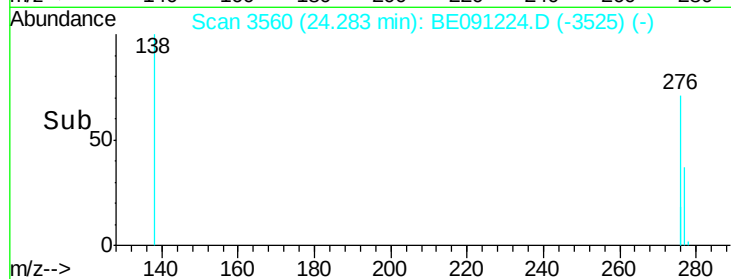
Tgt Ion: 276 Resp: 979

Ion Ratio Lower Upper

276 100

277 51.7 21.3 31.9#

138 140.3 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

