

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091241.D
 Acq On : 18 Nov 2015 23:14
 Operator : UM/NP
 Sample : G4310-05
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM0

Quant Time: Nov 19 06:07:00 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	3706	0.40	ng/ul	-0.04
4) Naphthalene-d8	9.54	136	20969	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	16791	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.17	188	2008438	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	67399	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	78114	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.94	96	27328	10.25	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	11.05	152	10461	0.37	ng/ul	-0.02
16) Fluoranthene-d10	18.07	212	29999	0.01	ng/ul	0.00

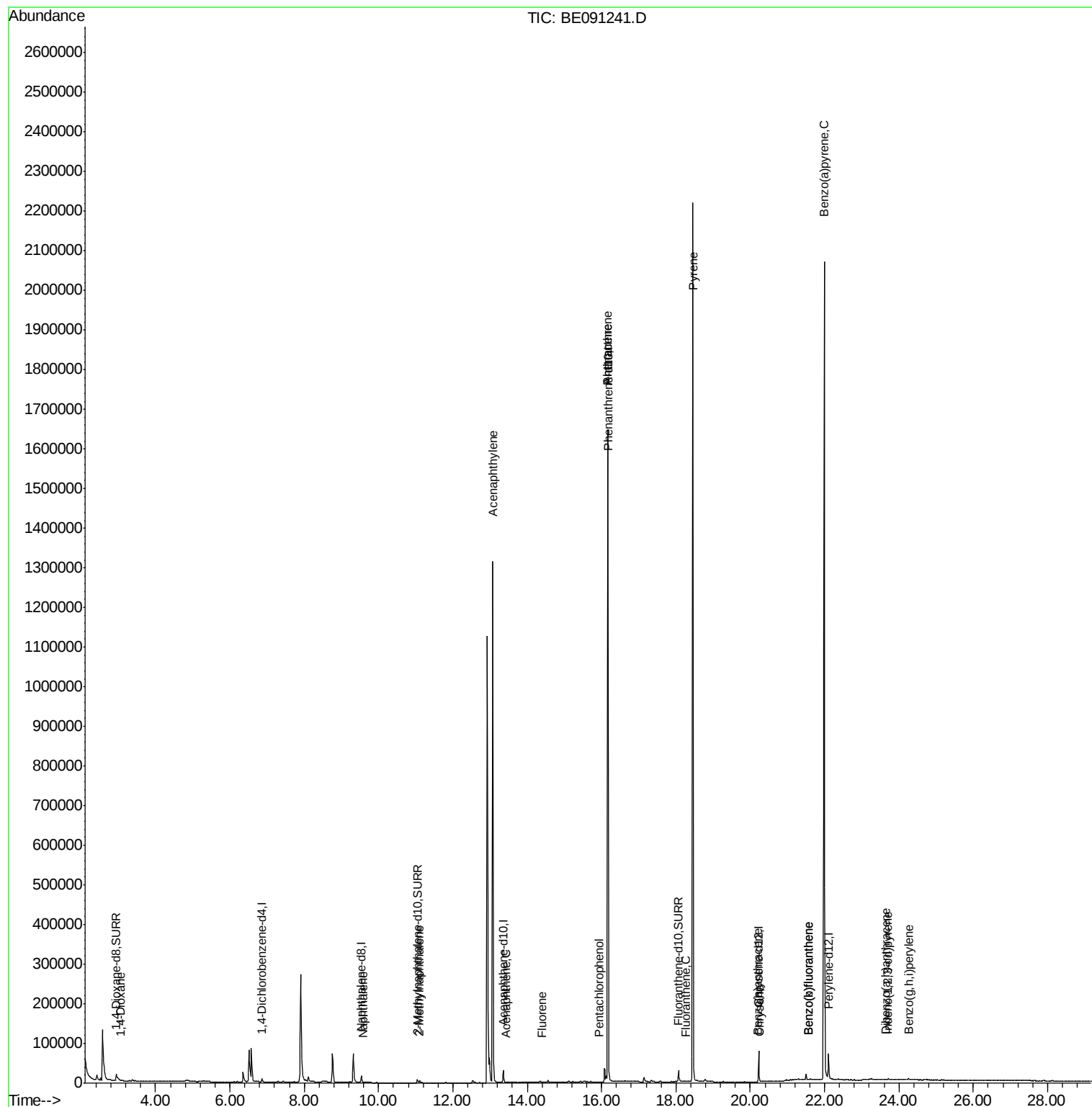
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.07	88	101	0.03	ng/ul#	25
5) Naphthalene	9.58	128	1282	0.02	ng/ul#	52
7) 2-Methylnaphthalene	11.12	142	342	0.01	ng/ul#	1
9) Acenaphthylene	13.07	152	279	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	184	0.00	ng/ul#	73
11) Fluorene	14.40	166	359	0.00	ng/ul#	71
13) Pentachlorophenol	15.94	266	5	0.00	ng/ul#	1
14) Phenanthrene	16.16	178	5793	0.00	ng/ul#	1
15) Anthracene	16.16	178	5359	0.00	ng/ul#	1
17) Fluoranthene	18.26	202	238	0.00	ng/ul#	1
19) Pyrene	18.45	202	19034	0.02	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	288	0.00	ng/ul#	1
21) Chrysene	20.26	228	493	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	21.56	252	480	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.58	252	298	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.99	252	9626	0.04	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.71	276	1654	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.66	278	534	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.26	276	4951	0.00	ng/ul#	1

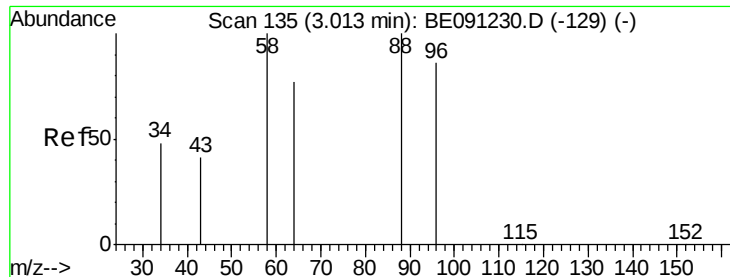
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.07 min Scan# 143

Delta R.T. 0.05 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

D9KM0

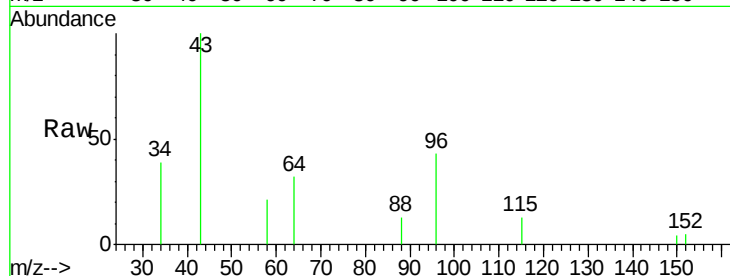
Tgt Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

58 137.6 55.4 83.2#

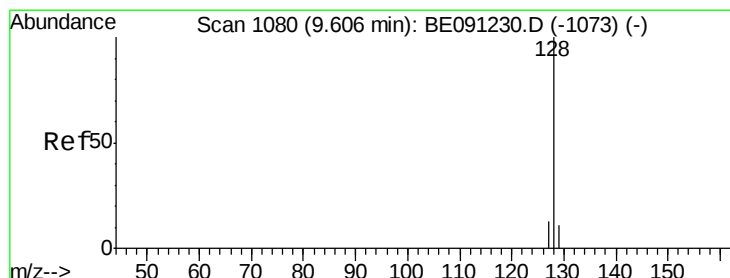
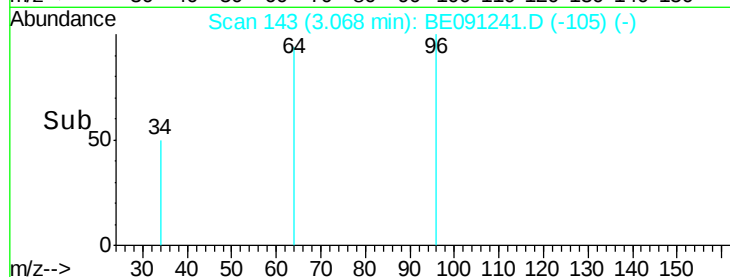
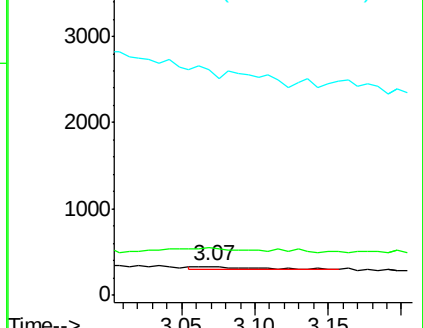
43 0.0 24.2 36.2#



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. -0.02 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

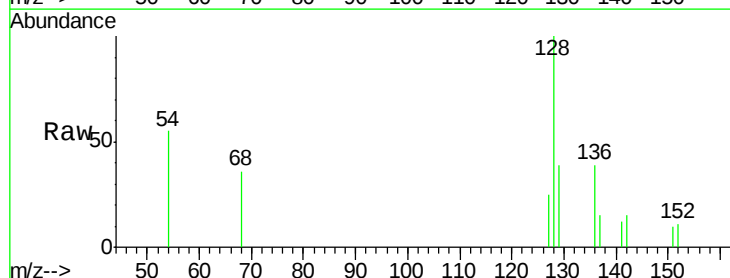
Tgt Ion: 128 Resp: 1282

Ion Ratio Lower Upper

128 100

129 38.9 9.8 14.8#

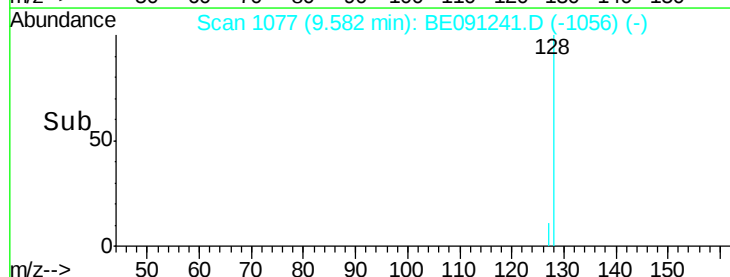
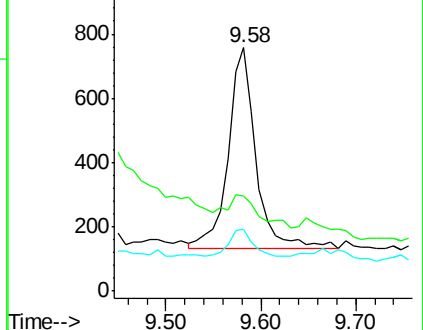
127 25.2 10.7 16.1#

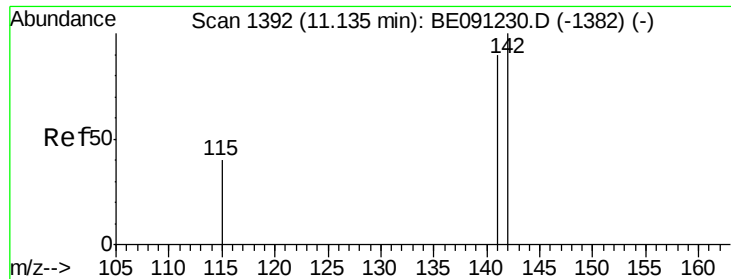


Abundance Ion 128.00 (127.70 to 128.70): E

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# 1388

Delta R.T. -0.02 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

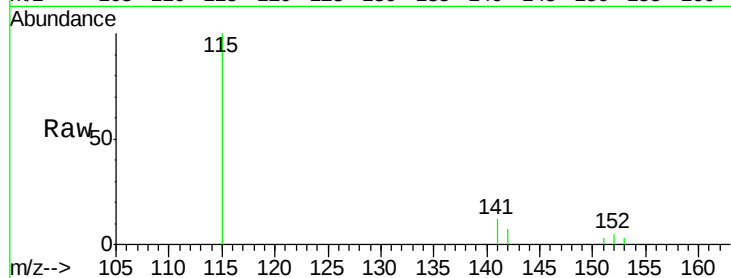
D9KM0

Tgt Ion:142 Resp: 342

Ion Ratio Lower Upper

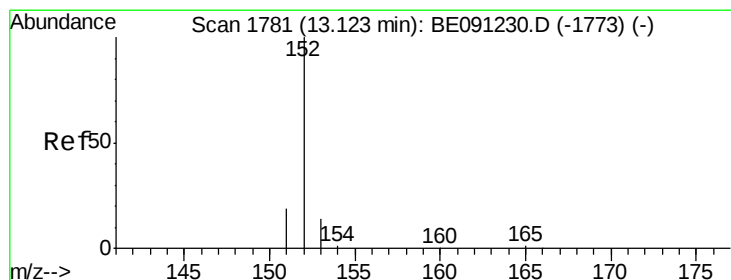
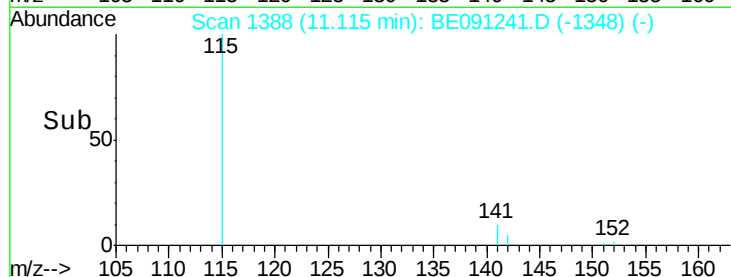
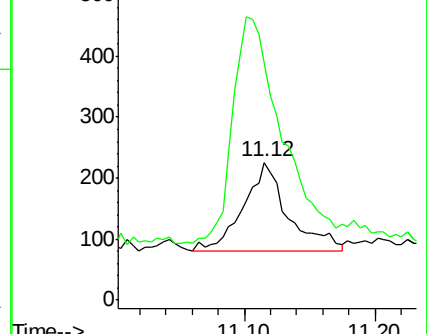
142 100

141 300.9 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: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

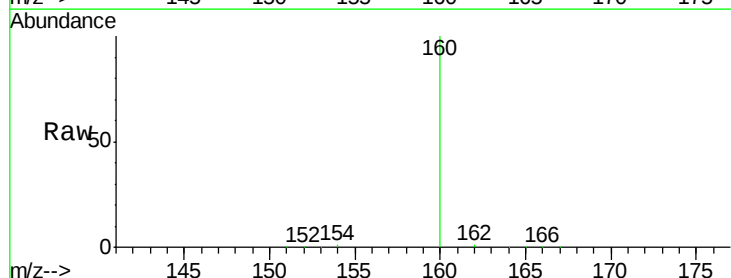
Tgt Ion:152 Resp: 279

Ion Ratio Lower Upper

152 100

151 89.7 16.8 25.2#

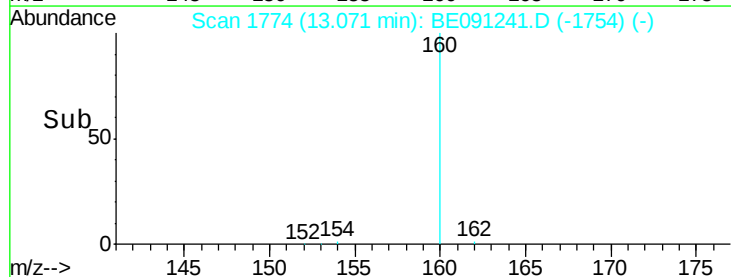
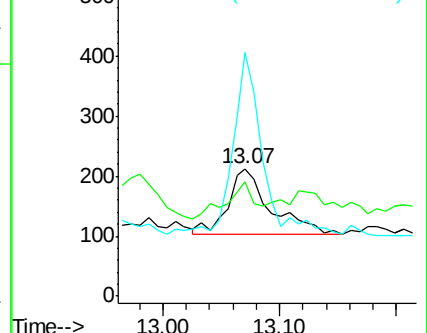
153 190.6 11.3 16.9#

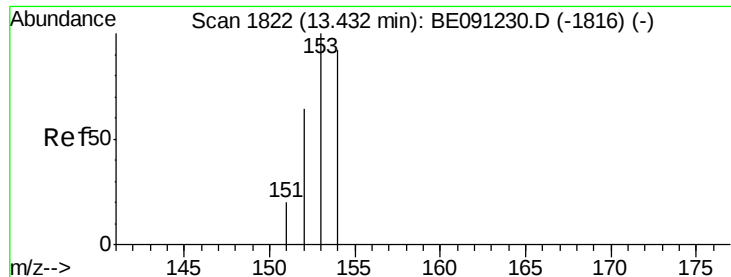


Abundance Ion 152.00 (151.70 to 152.70): E

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# 1820

Delta R.T. -0.01 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

D9KM0

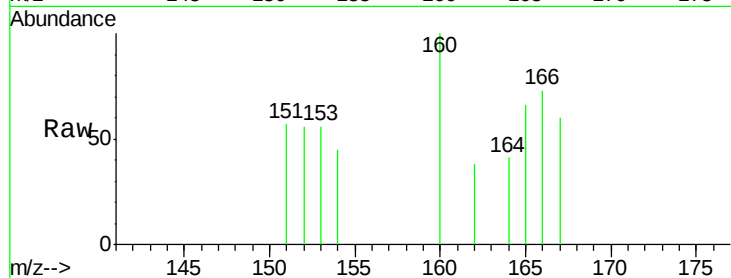
Tgt Ion:153 Resp: 184

Ion Ratio Lower Upper

153 100

152 100.6 42.3 63.5#

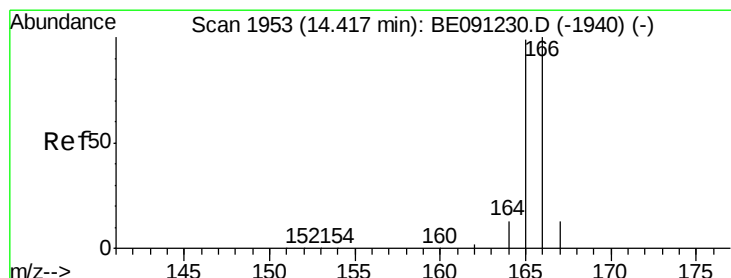
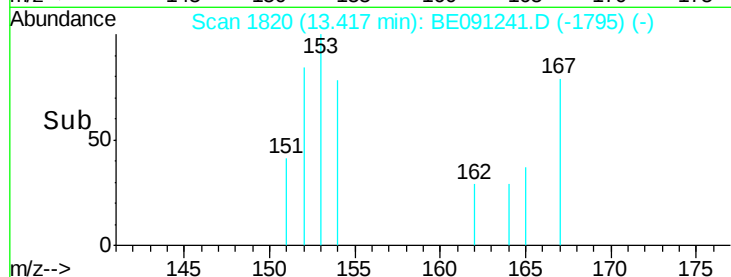
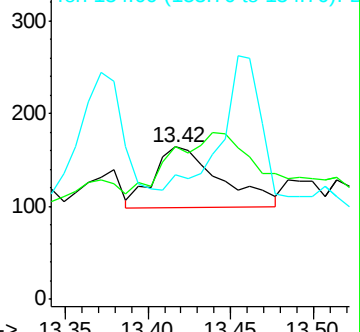
154 81.7 64.7 97.1



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: 0.00 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

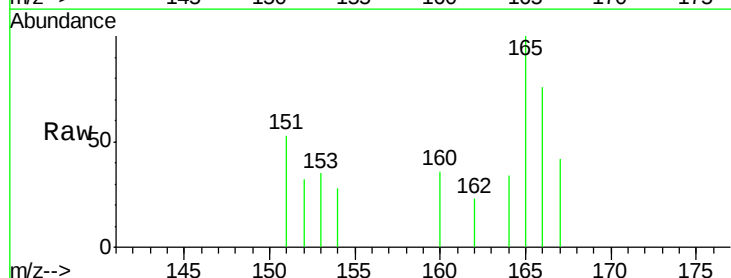
Tgt Ion:166 Resp: 359

Ion Ratio Lower Upper

166 100

165 130.9 87.6 131.4

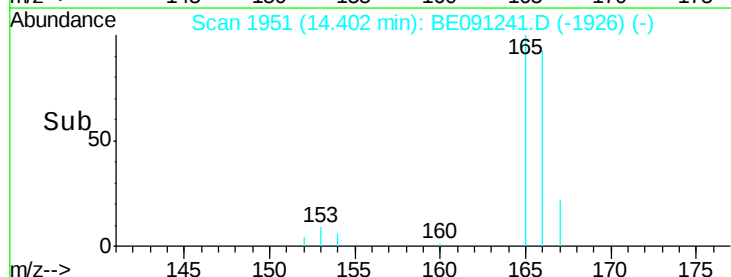
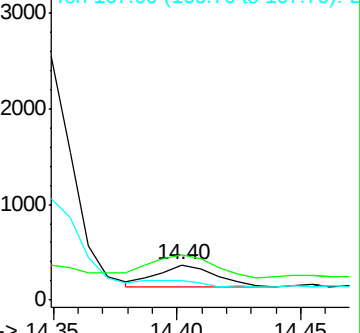
167 54.4 11.1 16.7#

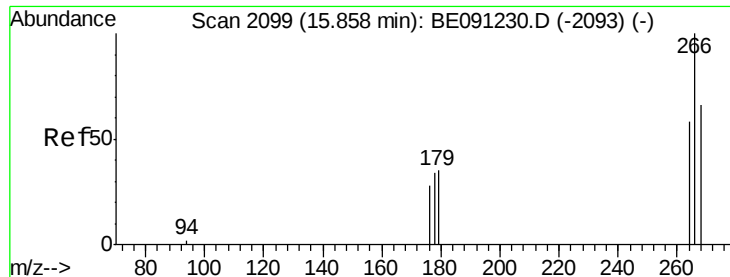


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

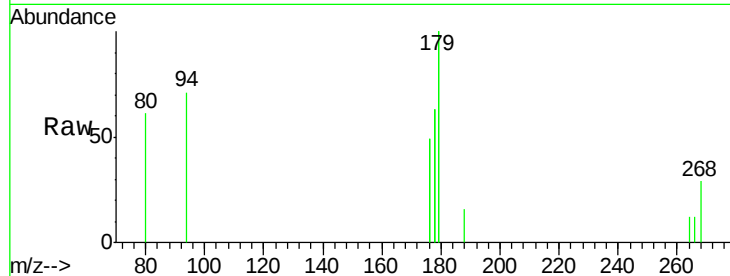




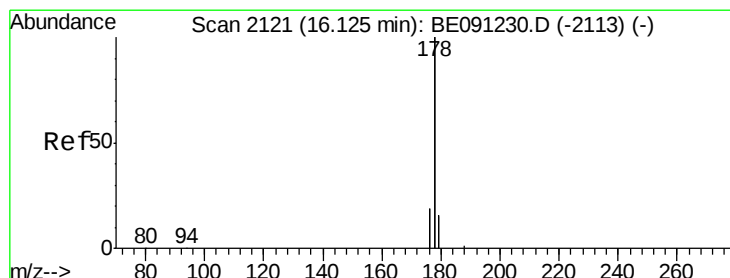
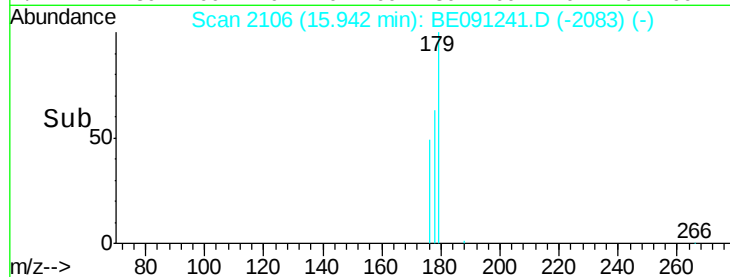
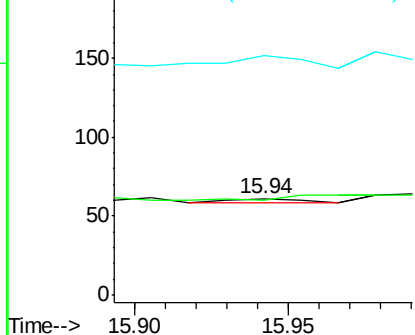
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.94 min Scan# 2106
 Delta R.T. 0.08 min
 Lab File: BE091241.D
 Acq: 18 Nov 2015 23:14

Instrument :
 BNA_E
 ClientSampleId :
 D9KM0

Tgt Ion: 266 Resp: 5
 Ion Ratio Lower Upper
 266 100
 264 260.0 53.5 80.3#
 268 280.0 54.2 81.2#

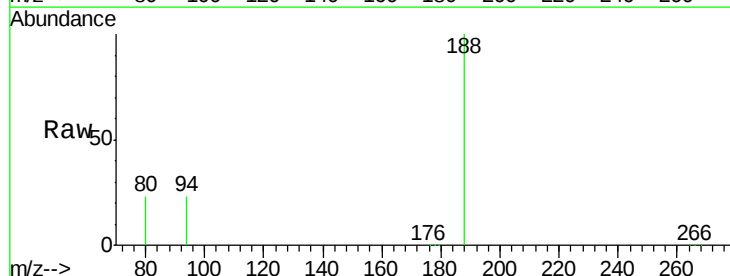


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

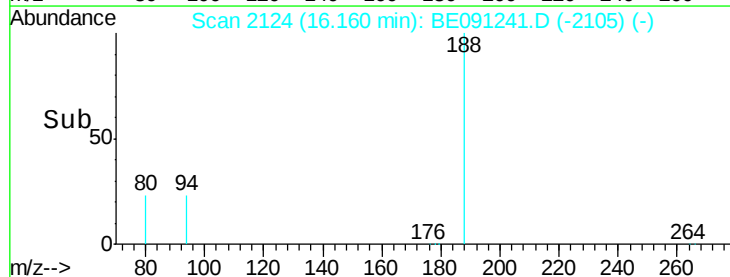
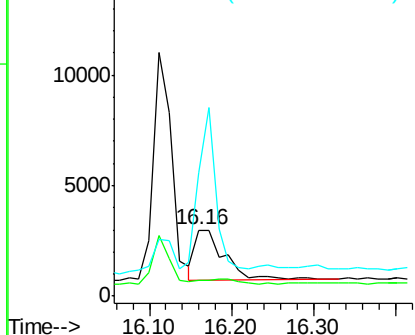


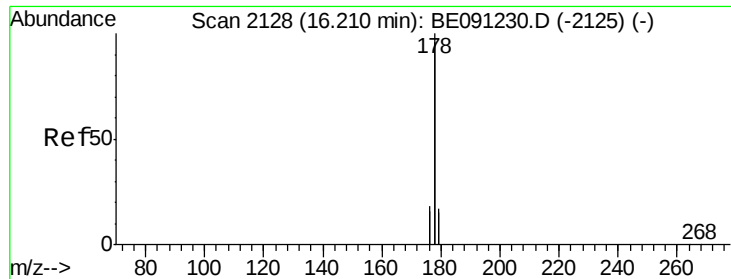
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.03 min
 Lab File: BE091241.D
 Acq: 18 Nov 2015 23:14

Tgt Ion: 178 Resp: 5793
 Ion Ratio Lower Upper
 178 100
 176 23.6 16.2 24.4
 179 186.7 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: 0.00 ng/ul

RT: 16.16 min Scan# 2124

Delta R.T. -0.05 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

D9KM0

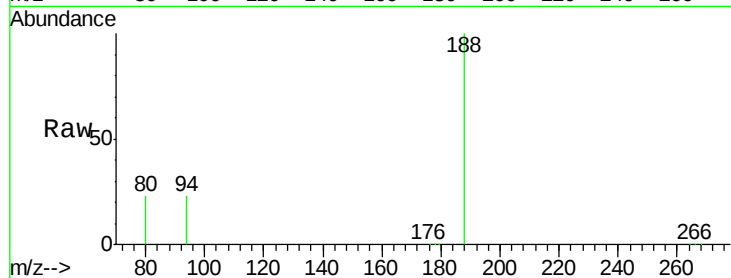
Tgt Ion:178 Resp: 5359

Ion Ratio Lower Upper

178 100

176 23.6 15.8 23.8

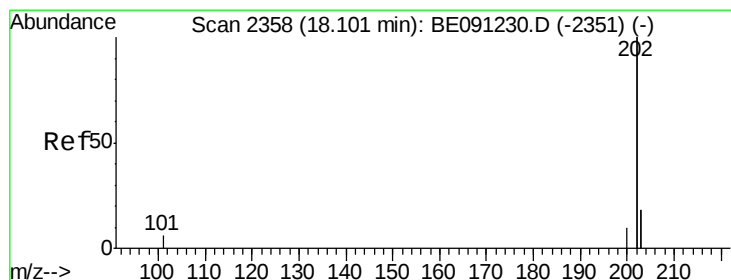
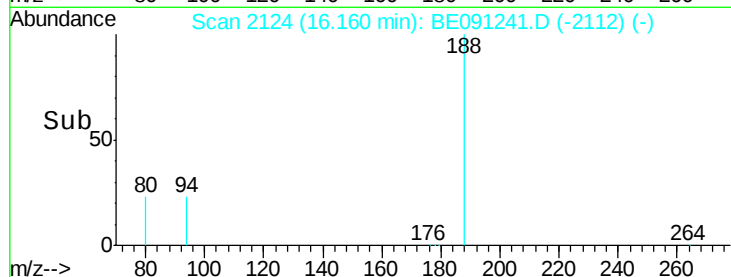
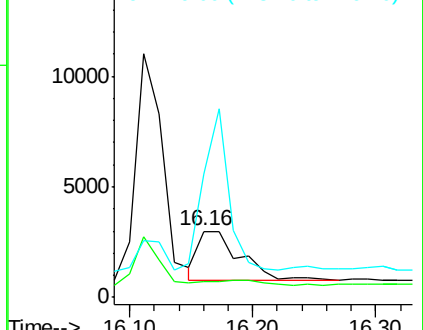
179 186.7 13.3 19.9#



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: 18.26 min Scan# 2382

Delta R.T. 0.16 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

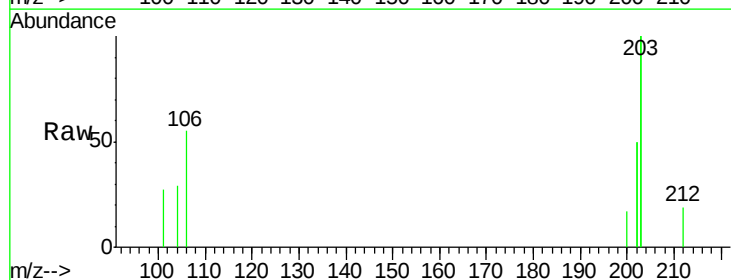
Tgt Ion:202 Resp: 238

Ion Ratio Lower Upper

202 100

101 27.5 0.0 33.1

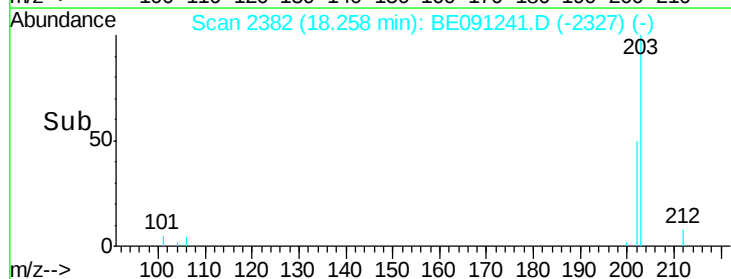
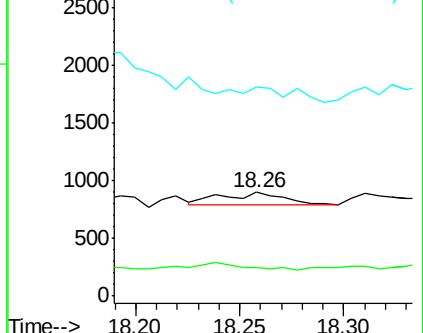
203 201.3 0.0 37.2#

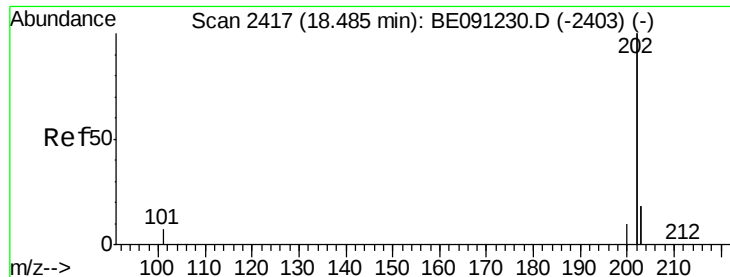


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

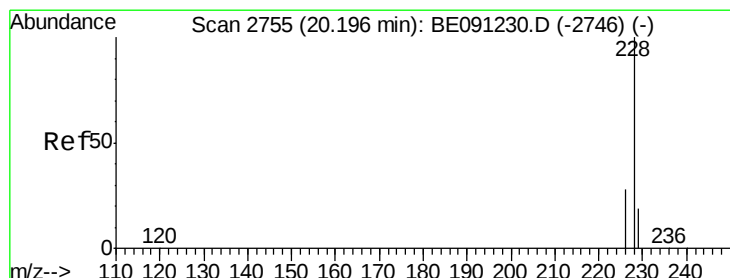
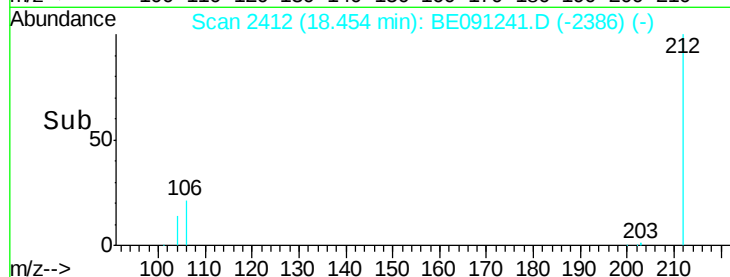
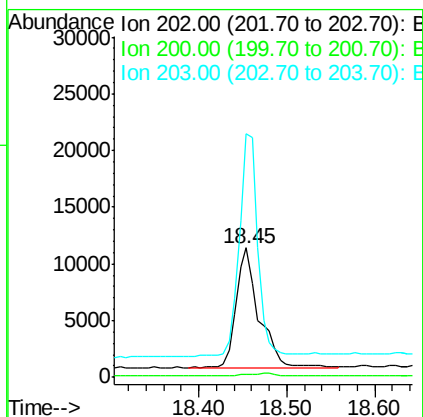
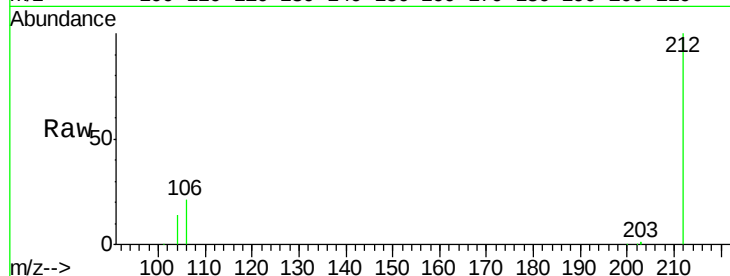




#19
Pyrene
Concen: 0.02 ng/ul
RT: 18.45 min Scan# 2412
Delta R.T. -0.03 min
Lab File: BE091241.D
Acq: 18 Nov 2015 23:14

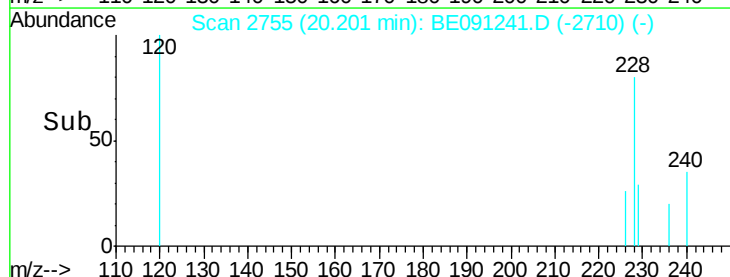
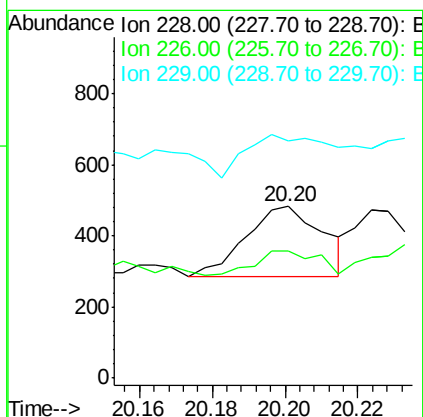
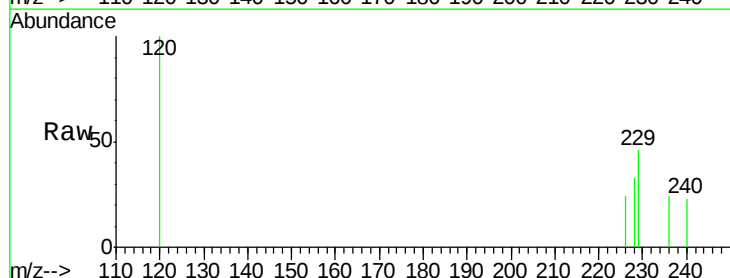
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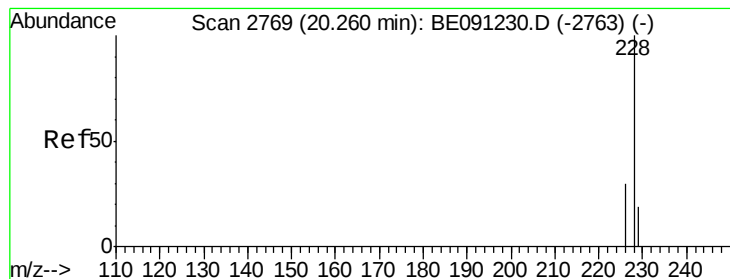
Tgt Ion: 202 Resp: 19034
Ion Ratio Lower Upper
202 100
200 2.3 18.0 27.0#
203 188.6 13.8 20.6#



#20
Benzo(a)anthracene
Concen: 0.00 ng/ul
RT: 20.20 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE091241.D
Acq: 18 Nov 2015 23:14

Tgt Ion: 228 Resp: 288
Ion Ratio Lower Upper
228 100
226 74.1 23.0 34.4#
229 137.9 15.2 22.8#





#21

Chrysene

Concen: 0.00 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

D9KM0

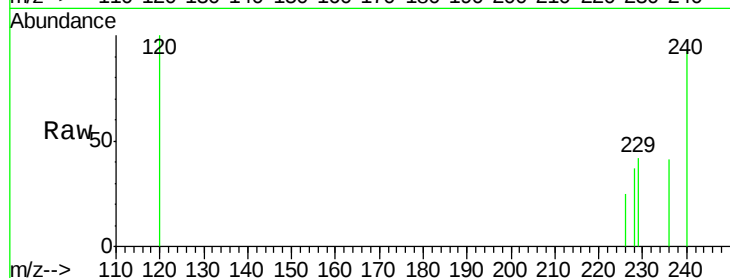
Tgt Ion:228 Resp: 493

Ion Ratio Lower Upper

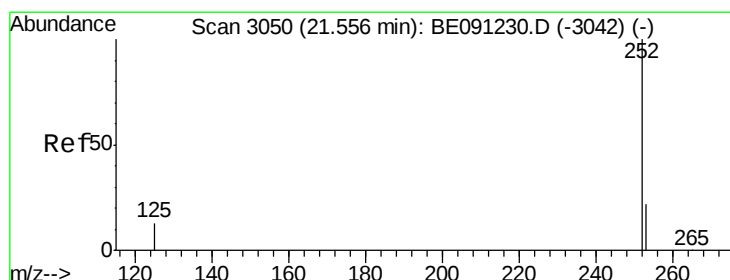
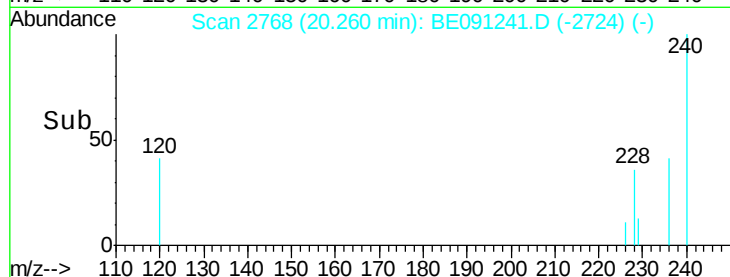
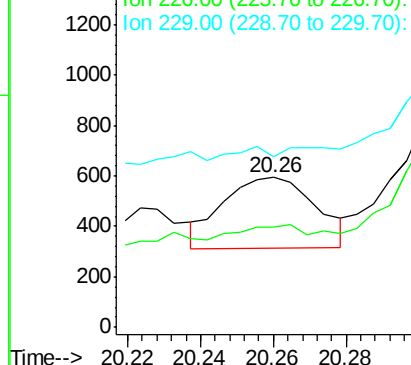
228 100

226 66.5 25.7 38.5#

229 114.0 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# 3049

Delta R.T. 0.00 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

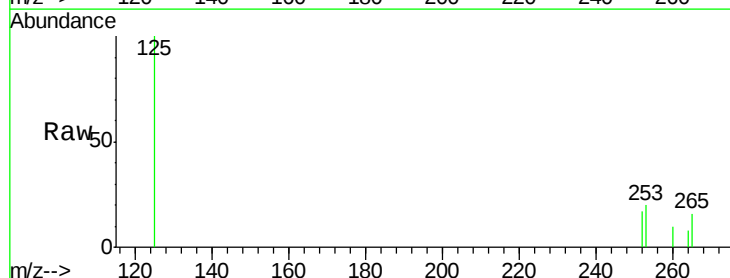
Tgt Ion:252 Resp: 480

Ion Ratio Lower Upper

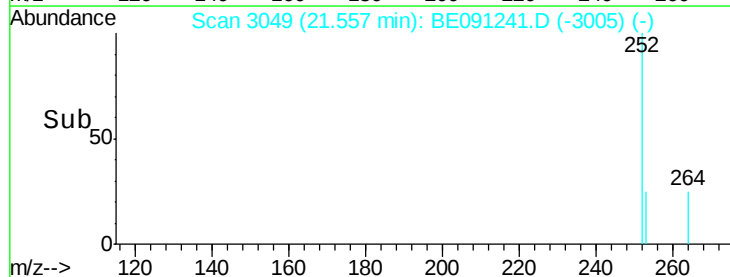
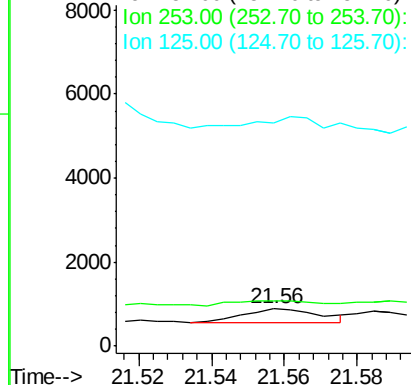
252 100

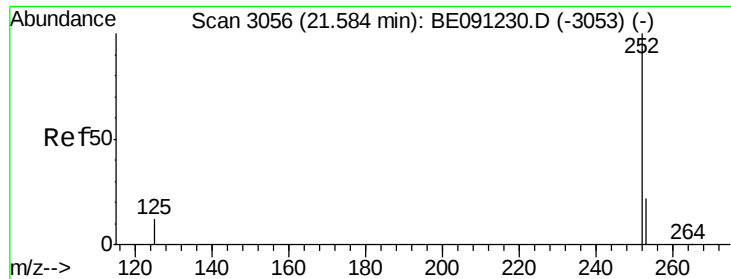
253 120.6 0.0 48.0#

125 600.7 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/u1

RT: 21.58 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

D9KM0

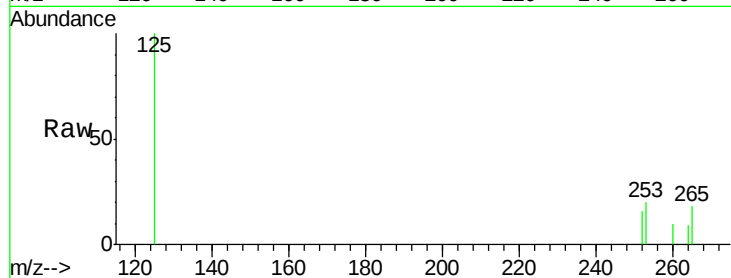
Tgt Ion:252 Resp: 298

Ion Ratio Lower Upper

252 100

253 128.1 20.8 31.2#

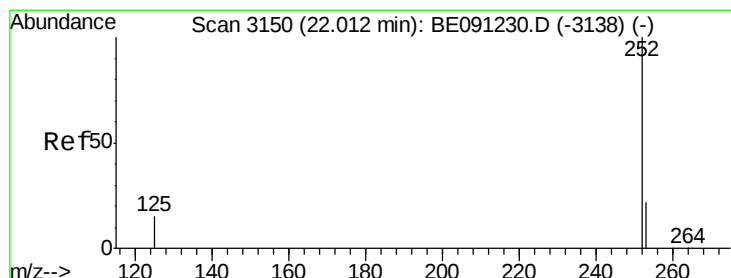
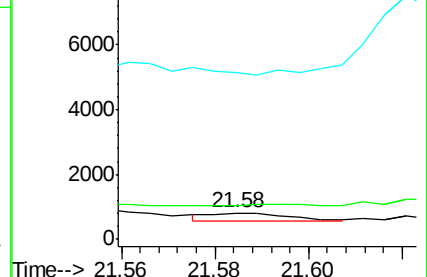
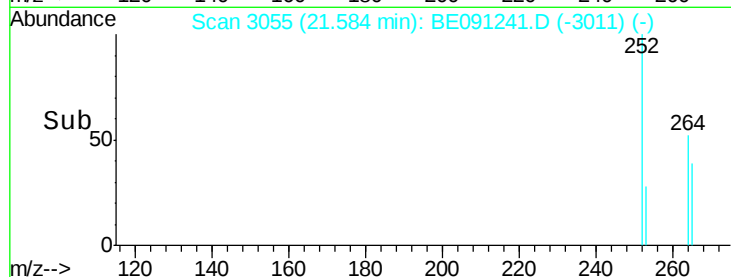
125 627.8 12.2 18.4#



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: 0.04 ng/u1

RT: 21.99 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

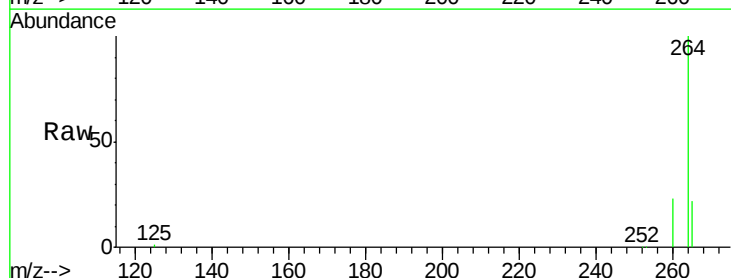
Tgt Ion:252 Resp: 9626

Ion Ratio Lower Upper

252 100

253 43.2 21.8 32.8#

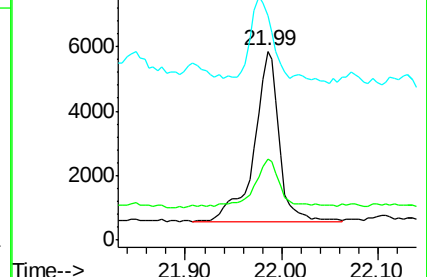
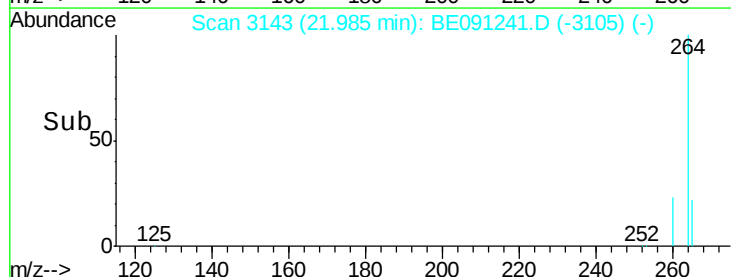
125 118.5 14.5 21.7#

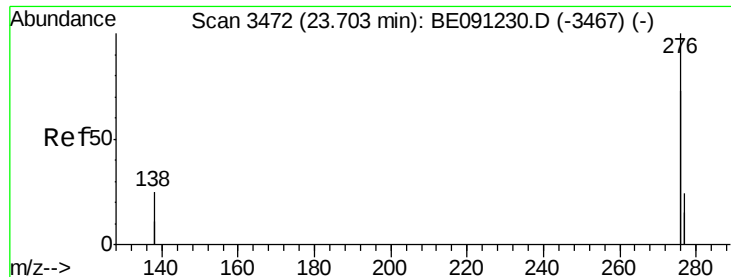


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.71 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

D9KM0

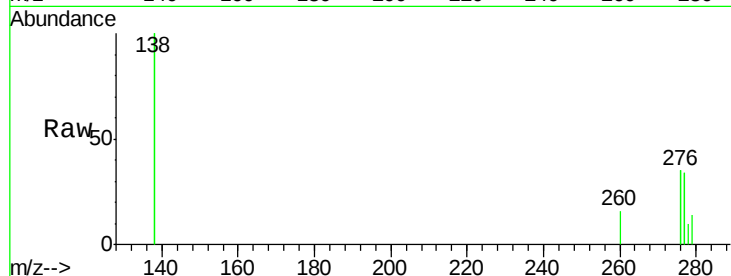
Tgt Ion:276 Resp: 1654

Ion Ratio Lower Upper

276 100

138 157.5 27.5 41.3#

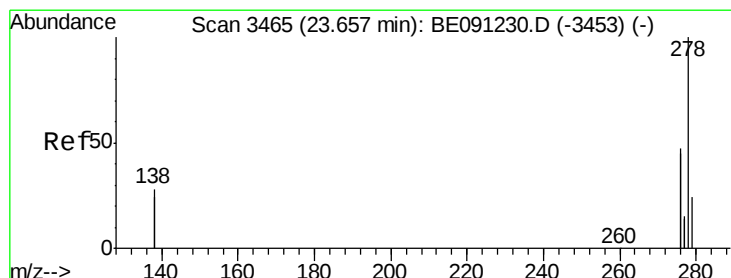
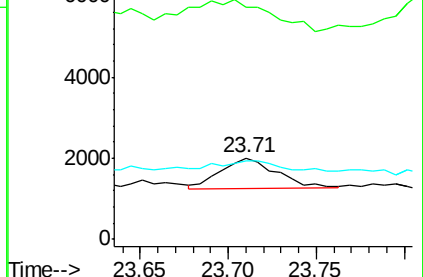
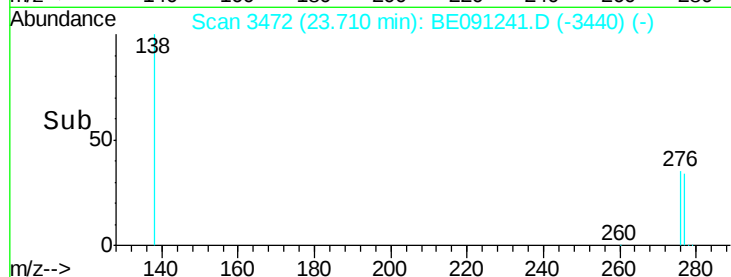
277 39.5 19.3 28.9#



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# 3464

Delta R.T. 0.00 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

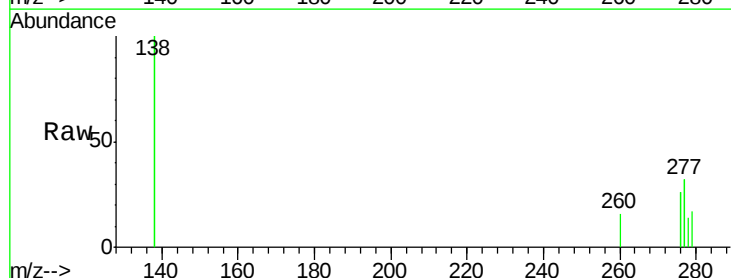
Tgt Ion:278 Resp: 534

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

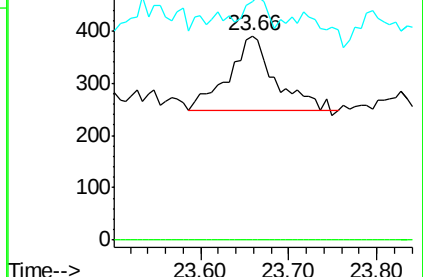
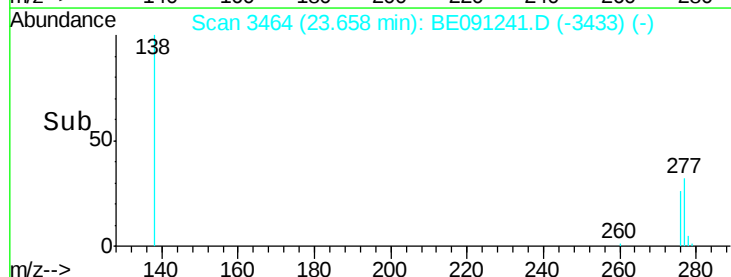
279 116.4 21.9 32.9#

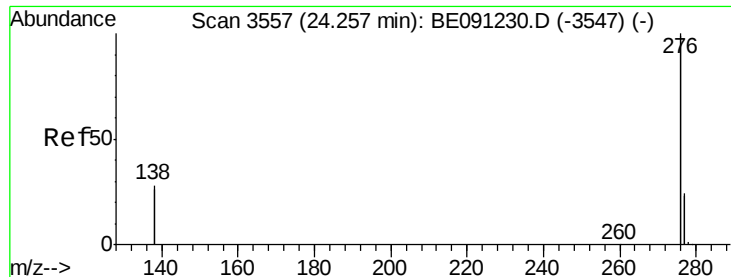


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.26 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BE091241.D

Acq: 18 Nov 2015 23:14

Instrument :

BNA_E

ClientSampleId :

D9KM0

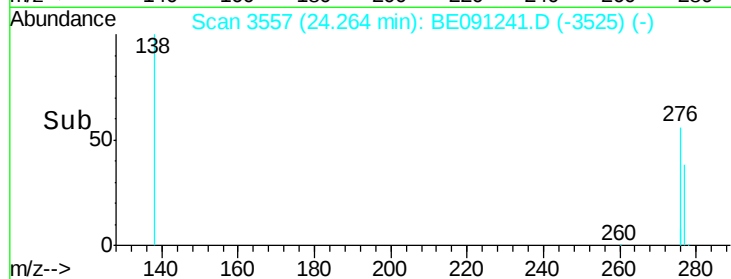
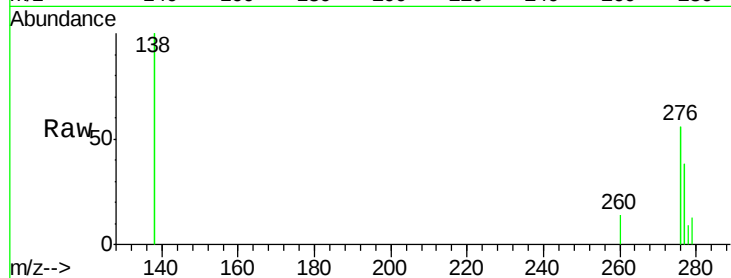
Tgt Ion: 276 Resp: 4951

Ion Ratio Lower Upper

276 100

277 68.8 21.3 31.9#

138 179.8 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

