

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112115\
 Data File : BE091266.D
 Acq On : 21 Nov 2015 5:04
 Operator : UM/NP
 Sample : G4310-22MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KL3MSD

Quant Time: Nov 21 06:16:00 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 : Sat Nov 21 04:53:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3174	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	15160	0.40	ng/ul	-0.03
8) Acenaphthene-d10	13.36	164	8031	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1389878	0.40	ng/ul	0.06
18) Chrysene-d12	20.23	240	21845	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1638086	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	25212	11.04	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	11.06	152	6349	0.31	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	18114	0.00	ng/ul	0.00

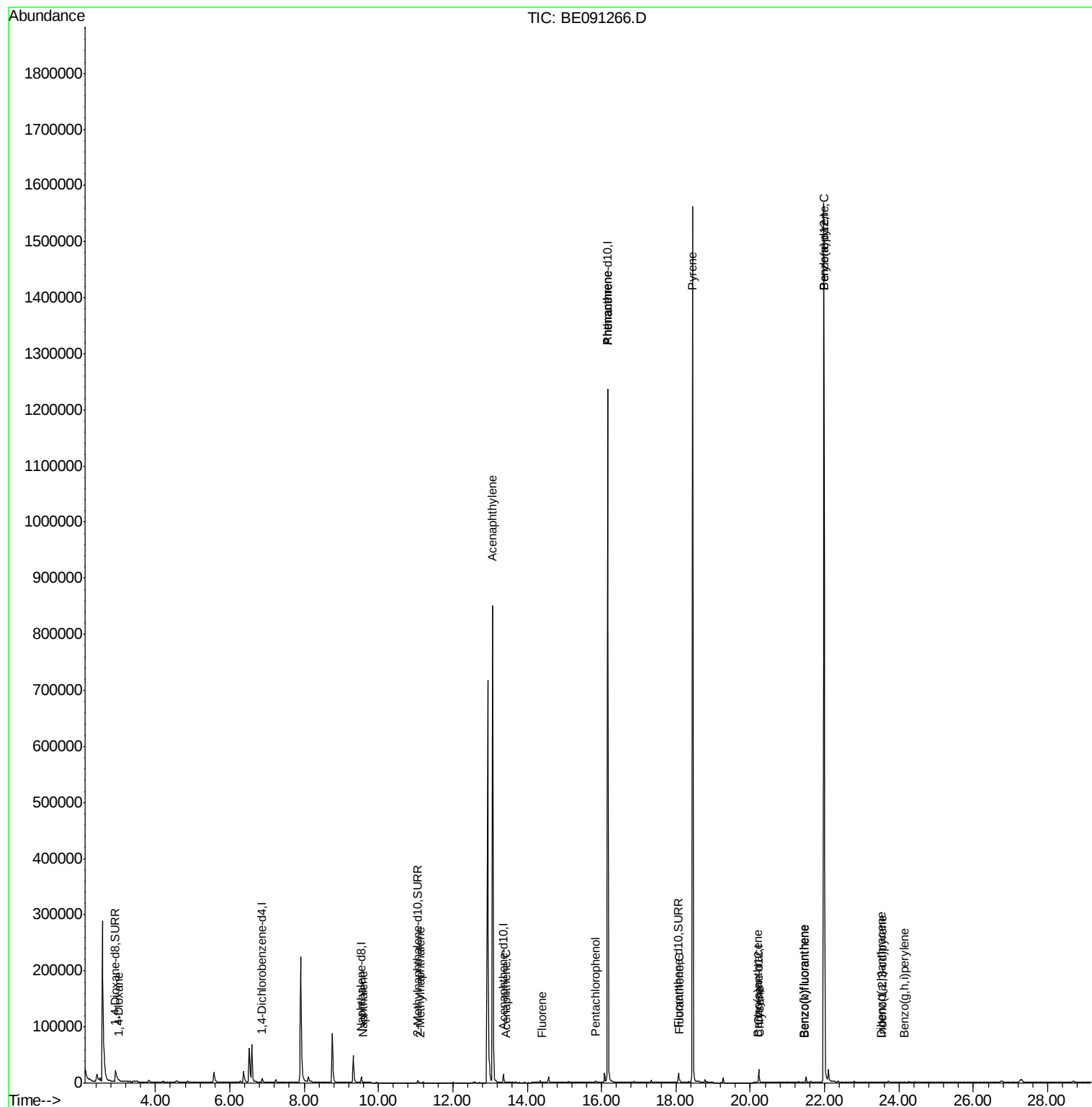
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.03	88	66	0.03	ng/ul#	1
5) Naphthalene	9.59	128	1209	0.03	ng/ul#	74
7) 2-Methylnaphthalene	11.13	142	87	0.00	ng/ul#	18
9) Acenaphthylene	13.08	152	234	0.01	ng/ul#	1
10) Acenaphthene	13.42	153	106	0.00	ng/ul#	69
11) Fluorene	14.40	166	131	0.00	ng/ul#	80
13) Pentachlorophenol	15.85	266	1561	0.01	ng/ul	94
14) Phenanthrene	16.16	178	4073	0.00	ng/ul#	1
15) Anthracene	16.16	178	3936	0.00	ng/ul#	1
17) Fluoranthene	18.09	202	6155	0.00	ng/ul	78
19) Pyrene	18.45	202	17051	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	960	0.02	ng/ul#	78
21) Chrysene	20.26	228	1225	0.02	ng/ul#	78
23) Benzo(b)fluoranthene	21.44	252	24	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.46	252	22	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	6701	0.00	ng/ul#	43
26) Indeno(1,2,3-cd)pyrene	23.55	276	182	0.00	ng/ul#	66
27) Dibenzo(a,h)anthracene	23.53	278	27	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.15	276	46	0.00	ng/ul#	1

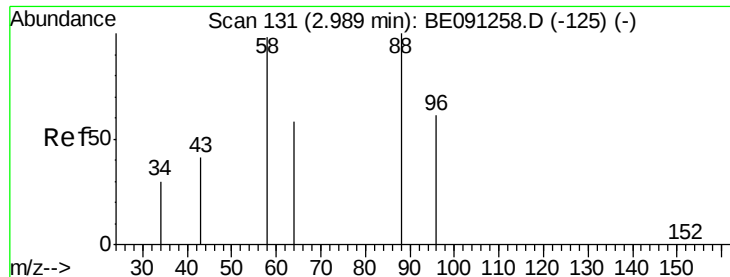
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.03 min Scan# 137

Delta R.T. 0.04 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

BNA_E

ClientSampleId :

D9KL3MSD

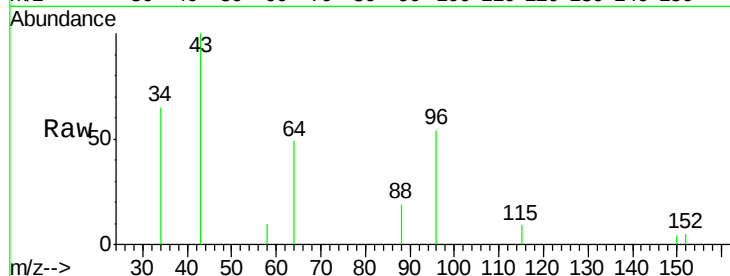
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

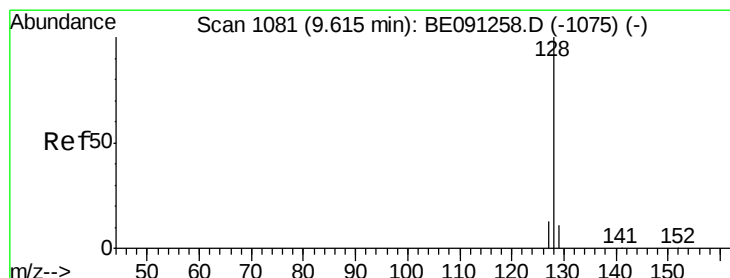
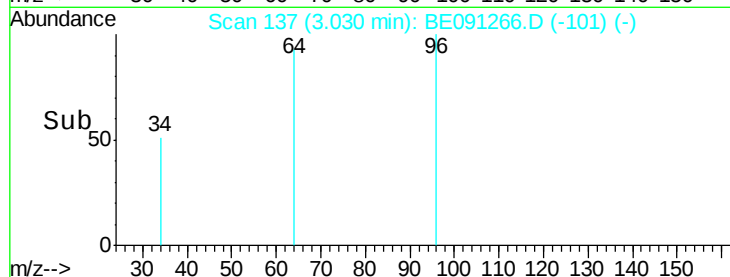
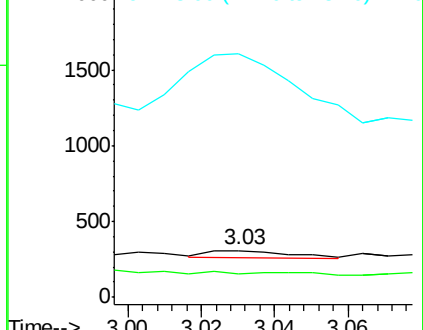
88 100

58 0.0 55.4 83.2#

43 2980.3 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: 9.59 min Scan# 1078

Delta R.T. -0.03 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

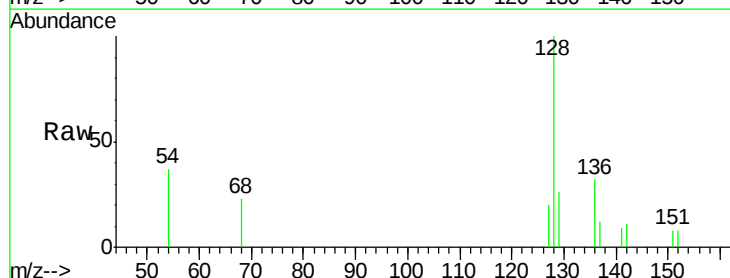
Tgt Ion: 128 Resp: 1209

Ion Ratio Lower Upper

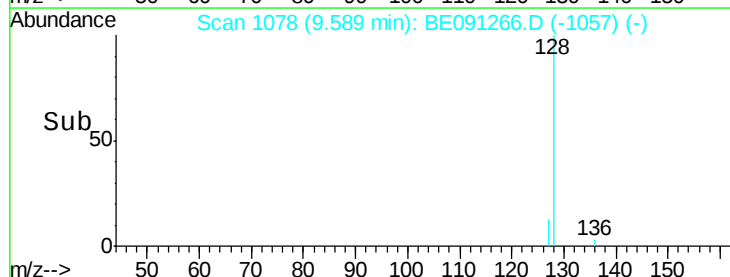
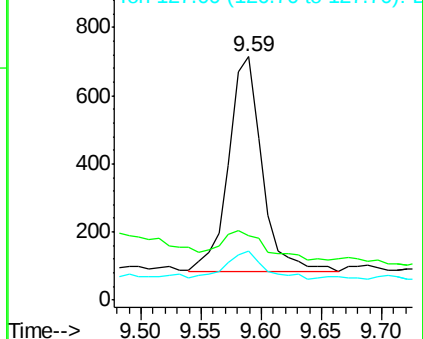
128 100

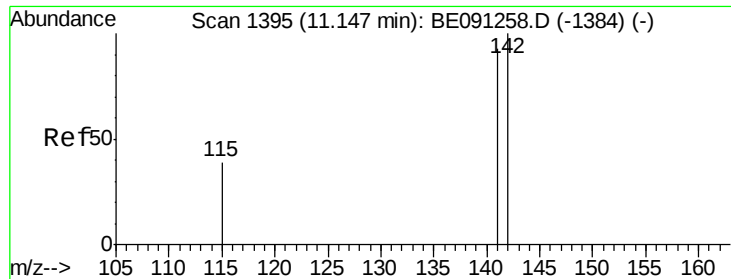
129 26.5 9.8 14.8#

127 20.3 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: 11.13 min Scan# 1391

Delta R.T. -0.02 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

BNA_E

ClientSampleId :

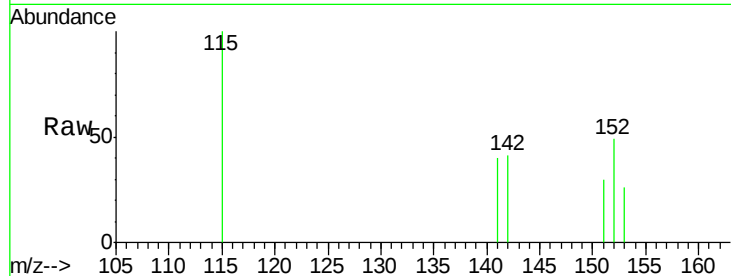
D9KL3MSD

Tgt Ion:142 Resp: 87

Ion Ratio Lower Upper

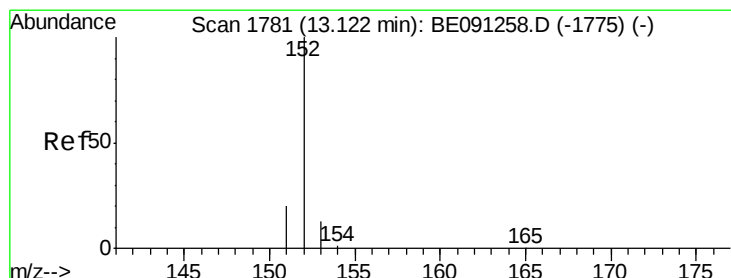
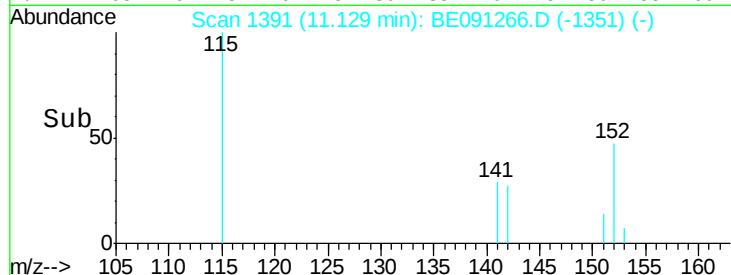
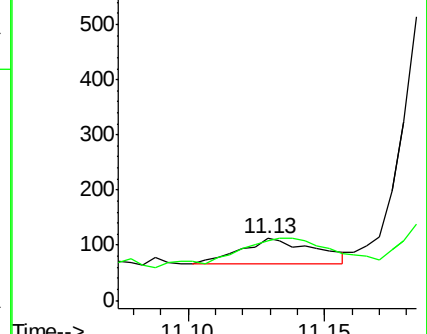
142 100

141 164.4 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: 0.01 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.05 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

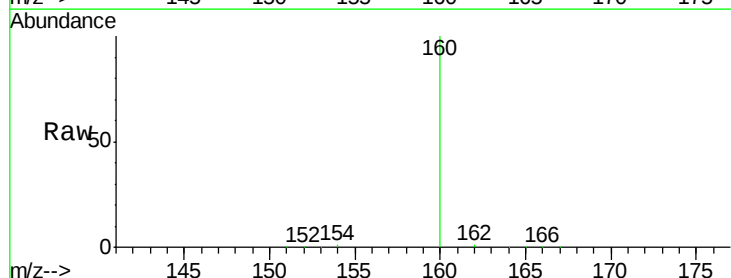
Tgt Ion:152 Resp: 234

Ion Ratio Lower Upper

152 100

151 66.4 16.8 25.2#

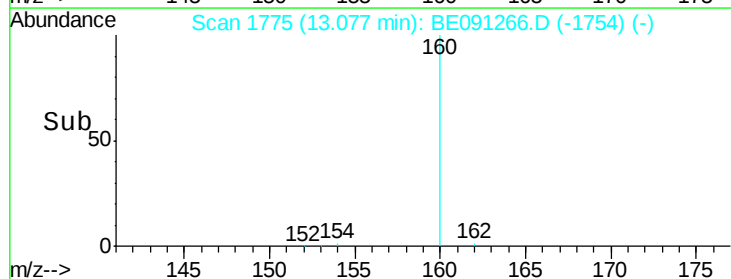
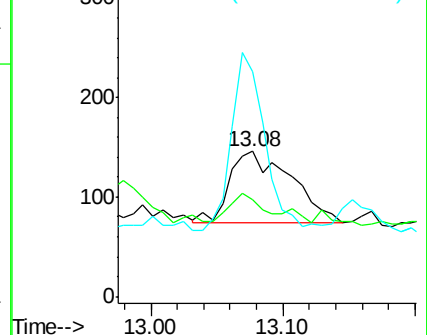
153 154.8 11.3 16.9#

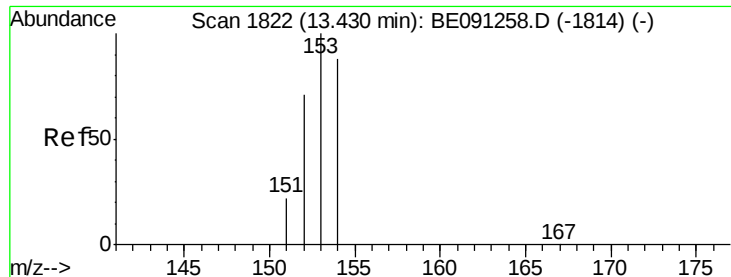


Abundance Ion 152.00 (151.70 to 152.70): E

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: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

BNA_E

ClientSampleId :

D9KL3MSD

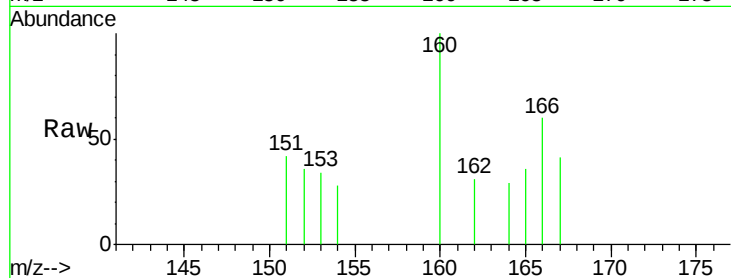
Tgt Ion:153 Resp: 106

Ion Ratio Lower Upper

153 100

152 105.7 42.3 63.5#

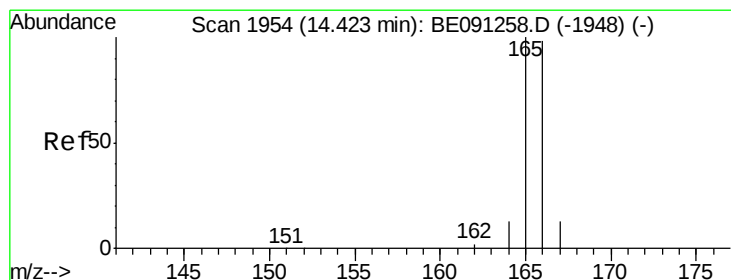
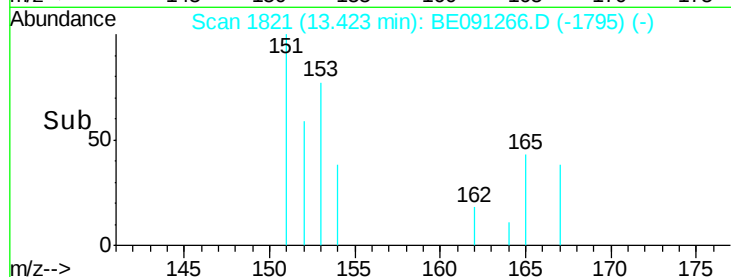
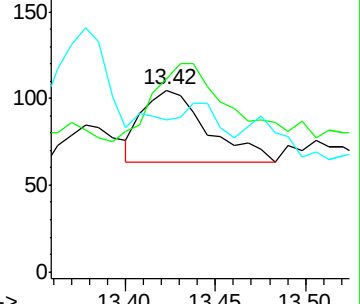
154 83.8 64.7 97.1



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. -0.02 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

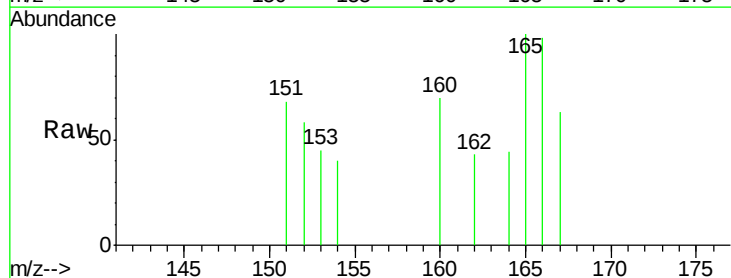
Tgt Ion:166 Resp: 131

Ion Ratio Lower Upper

166 100

165 101.6 87.6 131.4

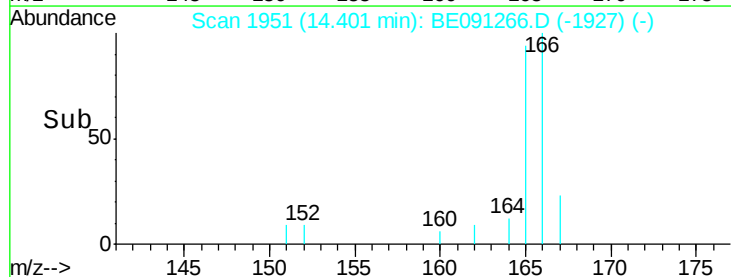
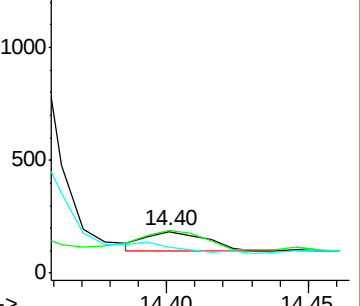
167 63.6 11.1 16.7#

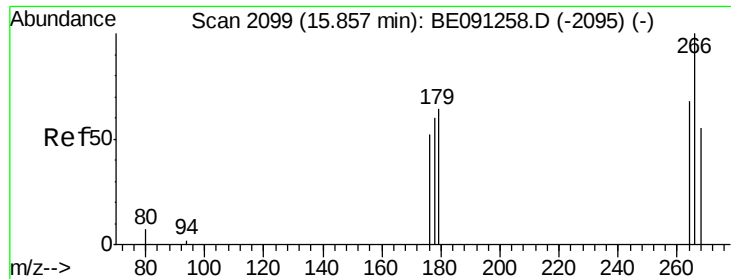


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

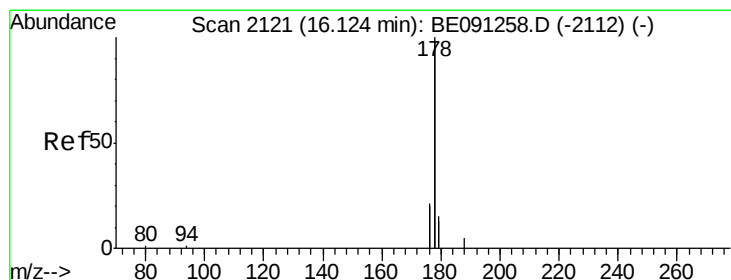
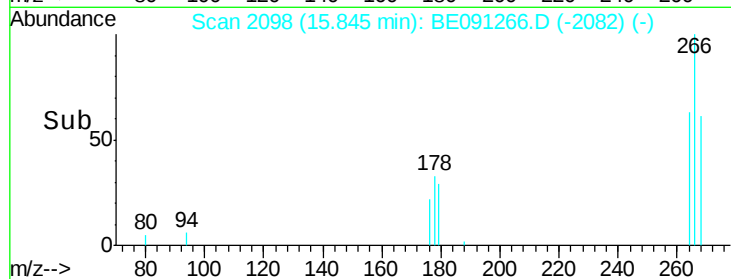
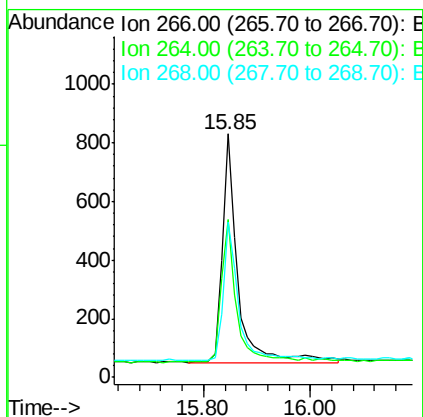
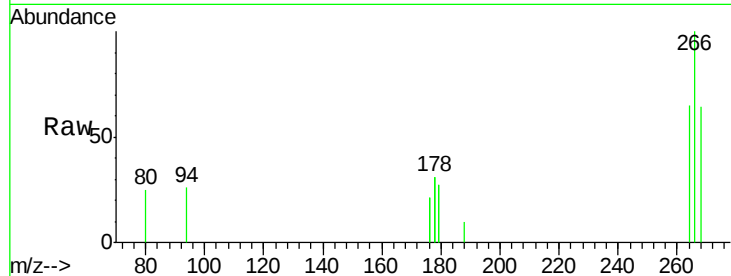




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091266.D
 Acq: 21 Nov 2015 5:04

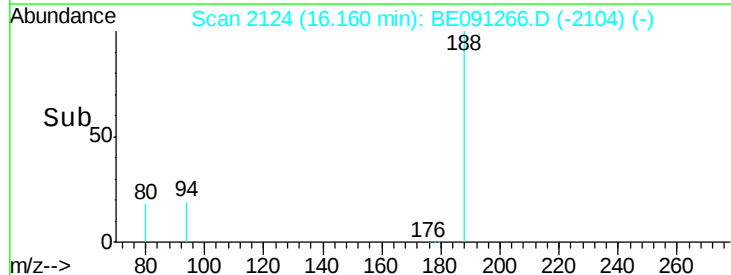
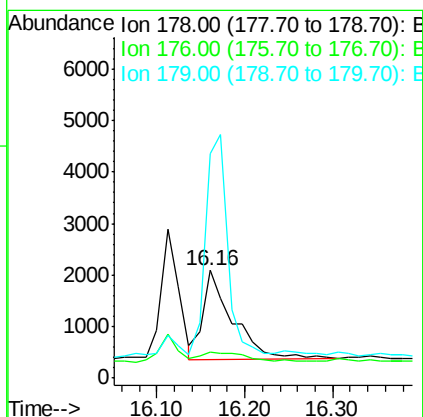
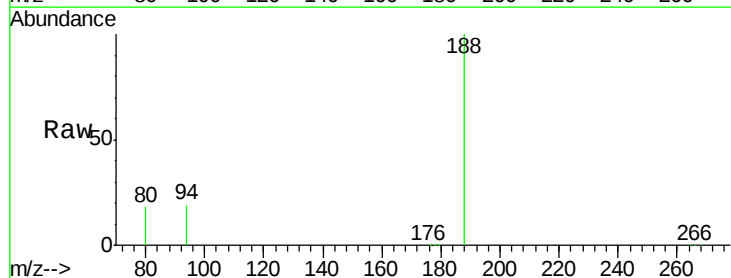
Instrument :
 BNA_E
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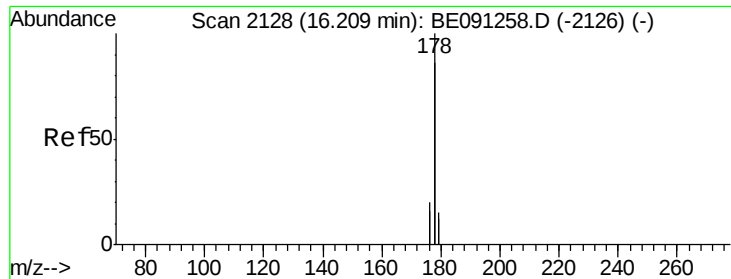
Tgt Ion: 266 Resp: 1561
 Ion Ratio Lower Upper
 266 100
 264 63.9 53.5 80.3
 268 61.9 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091266.D
 Acq: 21 Nov 2015 5:04

Tgt Ion: 178 Resp: 4073
 Ion Ratio Lower Upper
 178 100
 176 24.2 16.2 24.4
 179 208.7 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: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

BNA_E

ClientSampleId :

D9KL3MSD

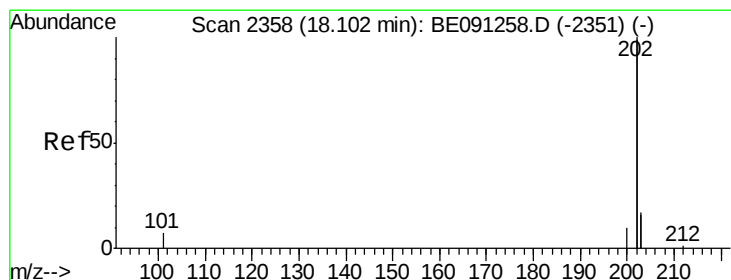
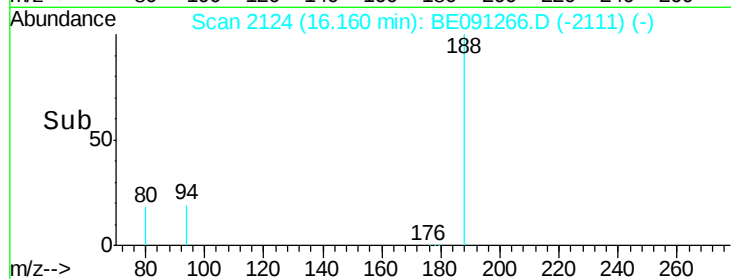
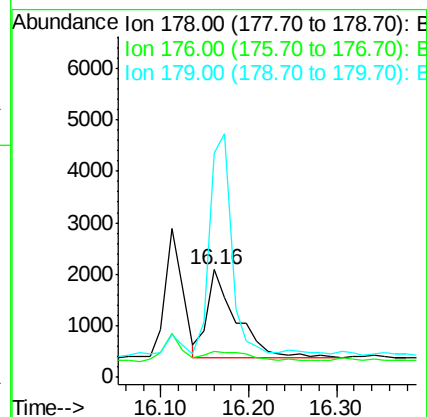
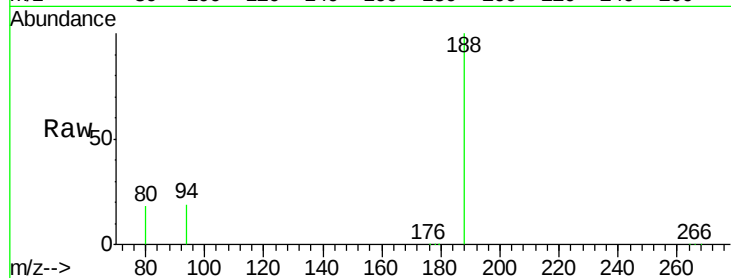
Tgt Ion:178 Resp: 3936

Ion Ratio Lower Upper

178 100

176 24.2 15.8 23.8#

179 208.7 13.3 19.9#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

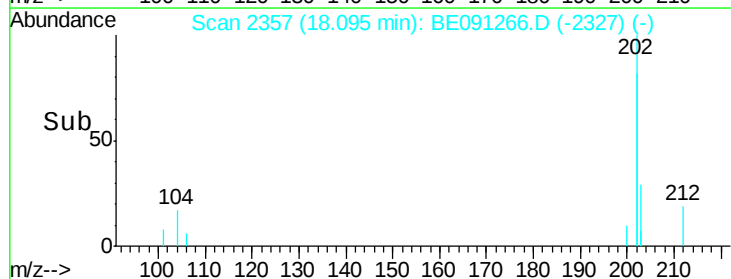
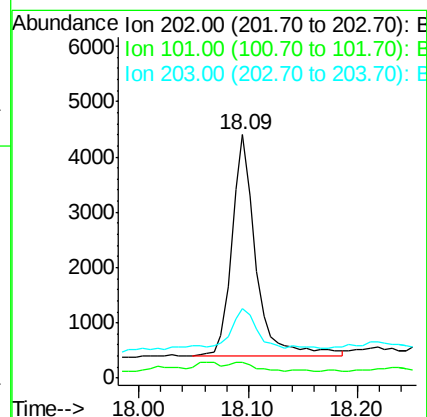
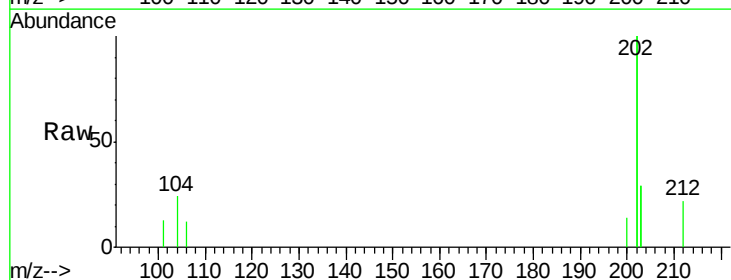
Tgt Ion:202 Resp: 6155

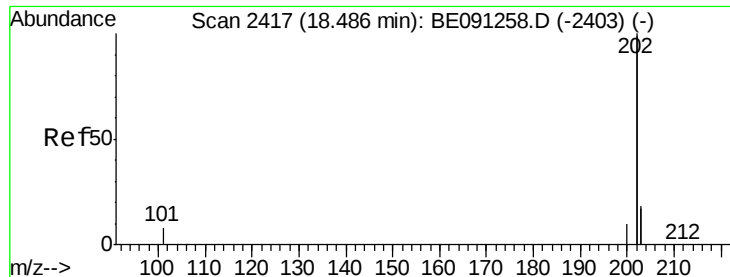
Ion Ratio Lower Upper

202 100

101 6.5 0.0 33.1

203 28.7 0.0 37.2





#19

Pyrene

Concen: 0.07 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.04 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

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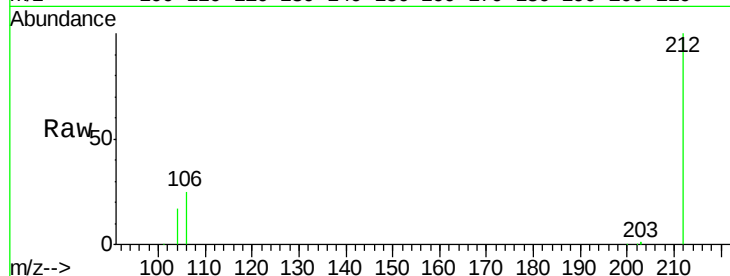
Tgt Ion:202 Resp: 17051

Ion Ratio Lower Upper

202 100

200 2.0 18.0 27.0#

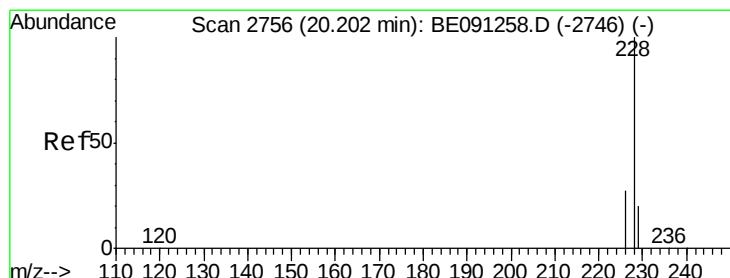
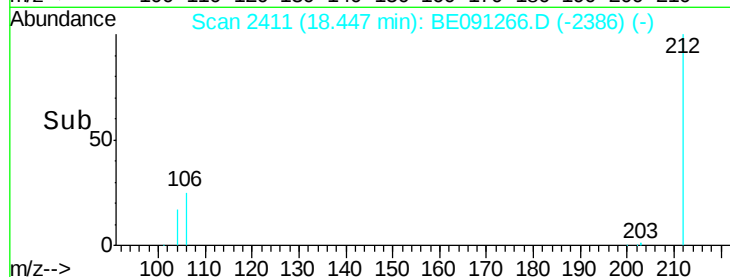
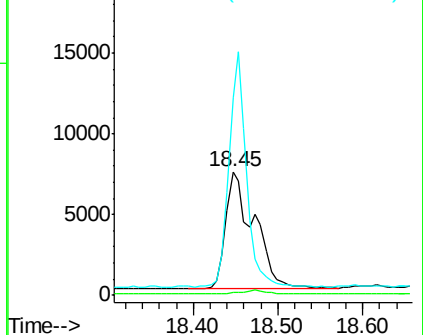
203 159.5 13.8 20.6#



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: 0.02 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. -0.00 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

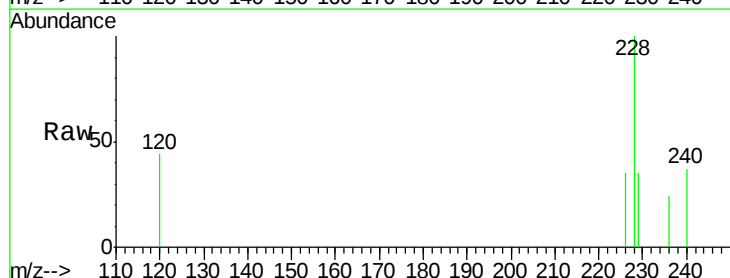
Tgt Ion:228 Resp: 960

Ion Ratio Lower Upper

228 100

226 35.4 23.0 34.4#

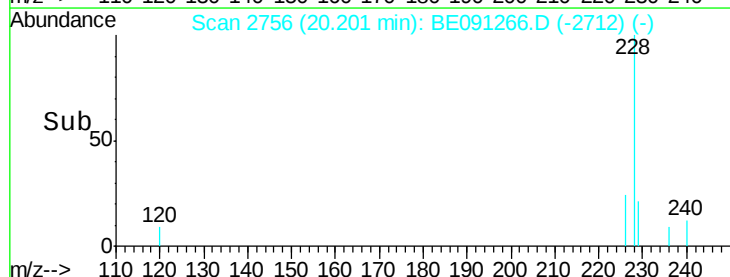
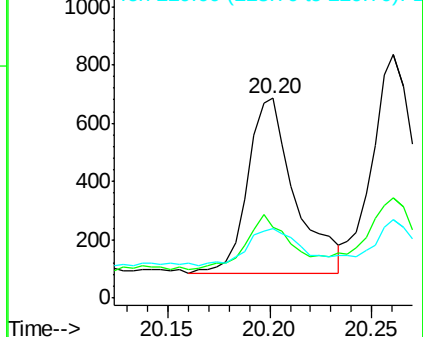
229 34.8 15.2 22.8#

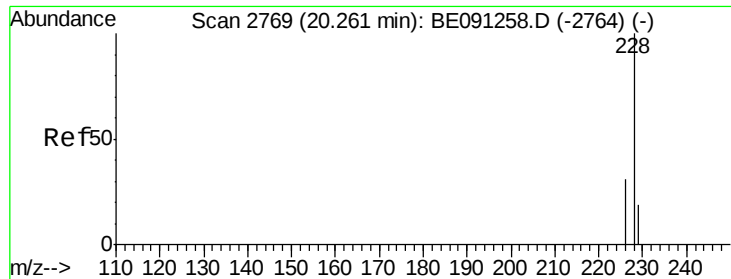


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

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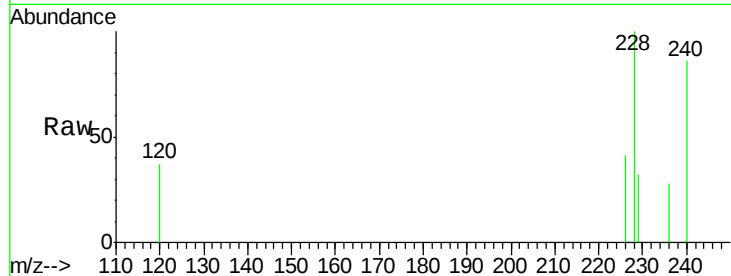
Tgt Ion:228 Resp: 1225

Ion Ratio Lower Upper

228 100

226 41.4 25.7 38.5#

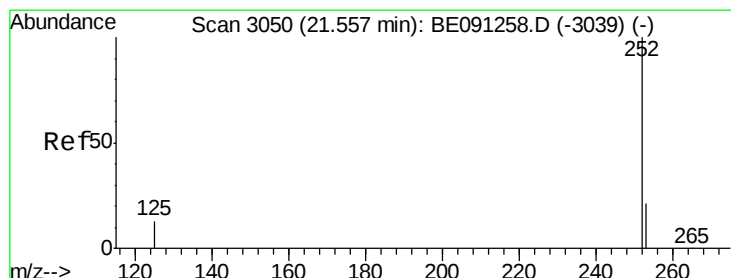
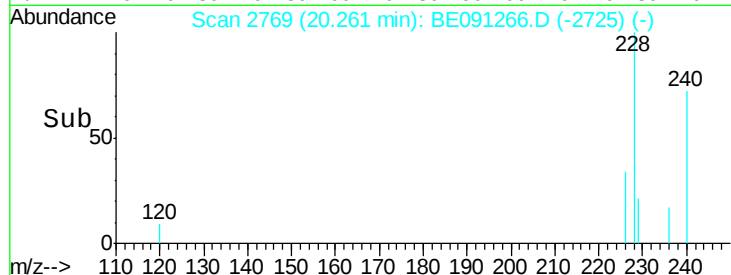
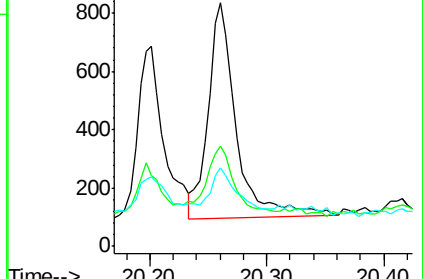
229 32.3 15.2 22.8#



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: 21.44 min Scan# 3024

Delta R.T. -0.12 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

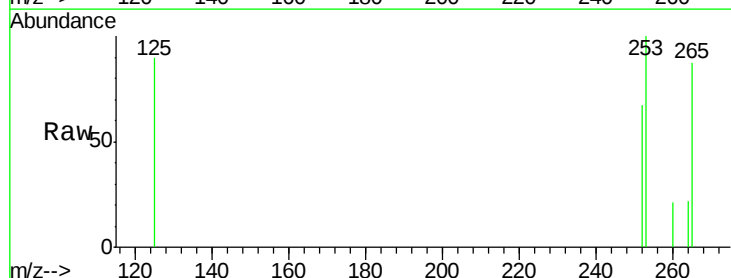
Tgt Ion:252 Resp: 24

Ion Ratio Lower Upper

252 100

253 149.2 0.0 48.0#

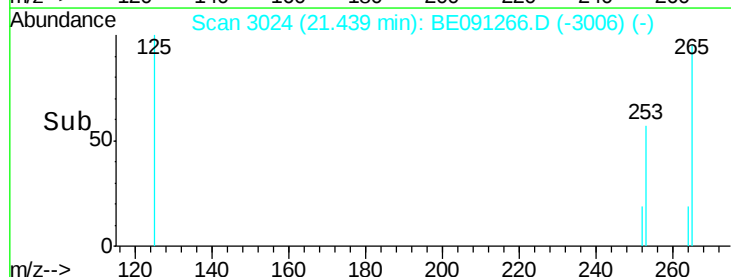
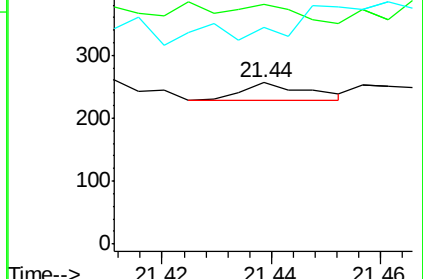
125 134.8 0.0 36.6#

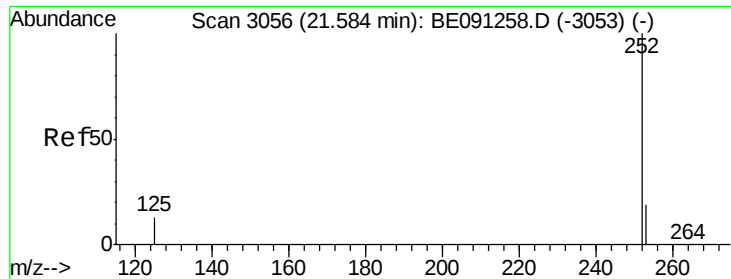


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 21.46 min Scan# 3028

Delta R.T. -0.13 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

BNA_E

ClientSampleId :

D9KL3MSD

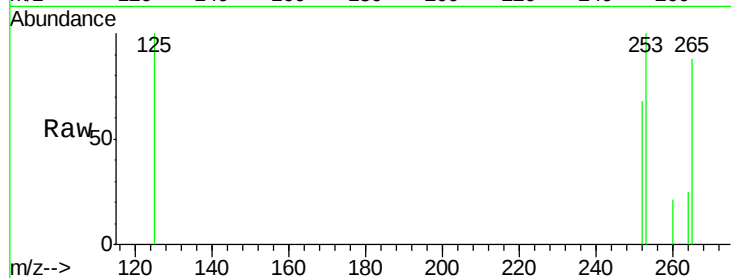
Tgt Ion:252 Resp: 22

Ion Ratio Lower Upper

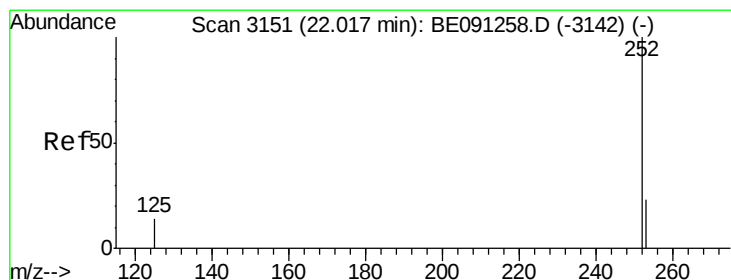
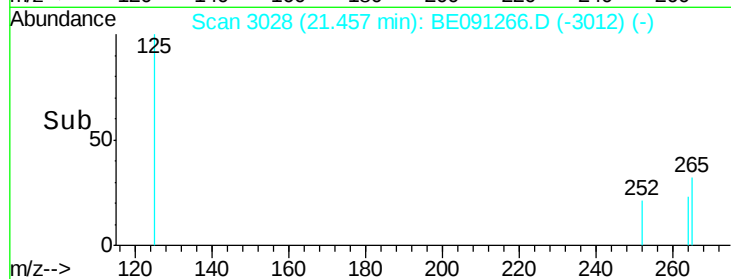
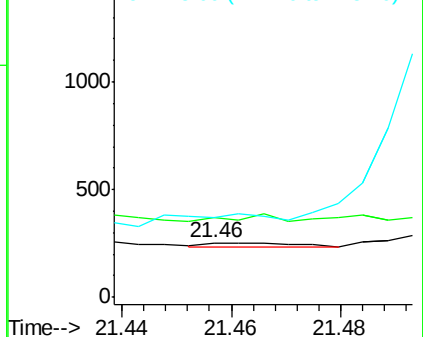
252 100

253 147.4 20.8 31.2#

125 147.4 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: 0.00 ng/u1

RT: 21.98 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

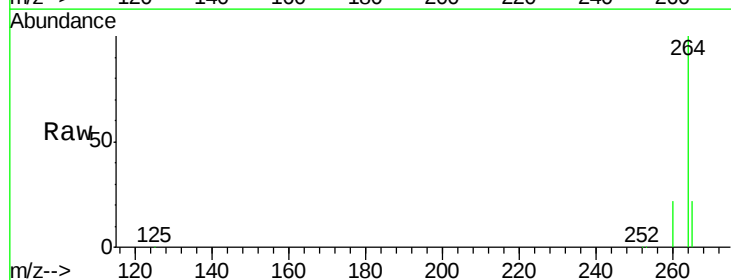
Tgt Ion:252 Resp: 6701

Ion Ratio Lower Upper

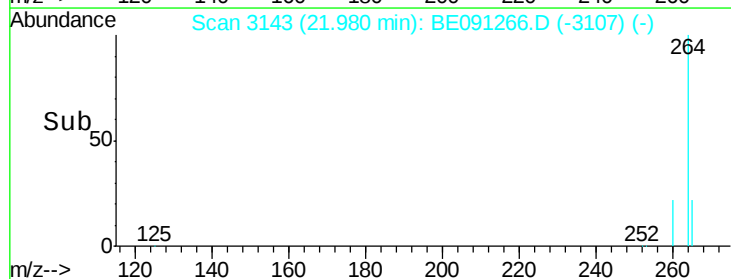
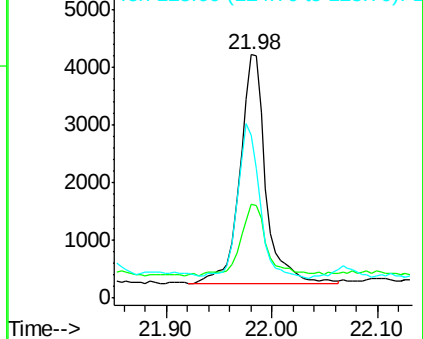
252 100

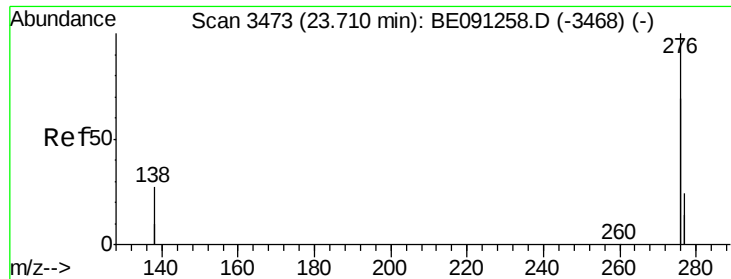
253 38.7 21.8 32.8#

125 66.8 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: 23.55 min Scan# 3448

Delta R.T. -0.16 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

Instrument :

BNA_E

ClientSampleId :

D9KL3MSD

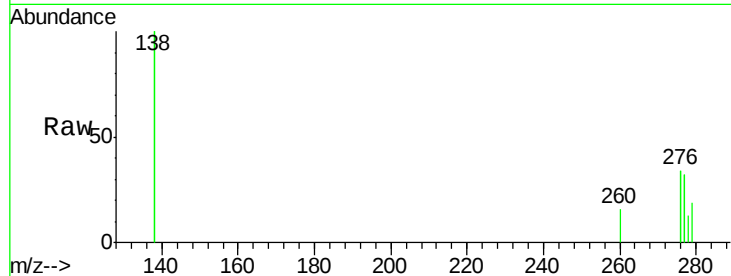
Tgt Ion:276 Resp: 182

Ion Ratio Lower Upper

276 100

138 30.8 27.5 41.3

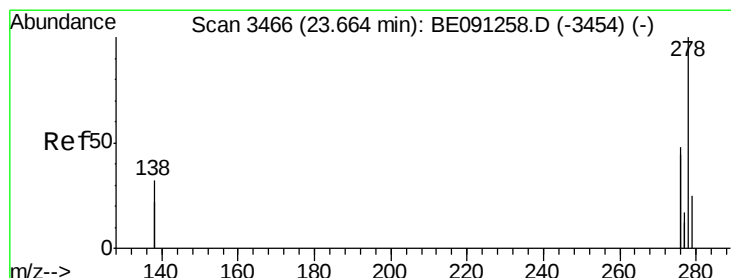
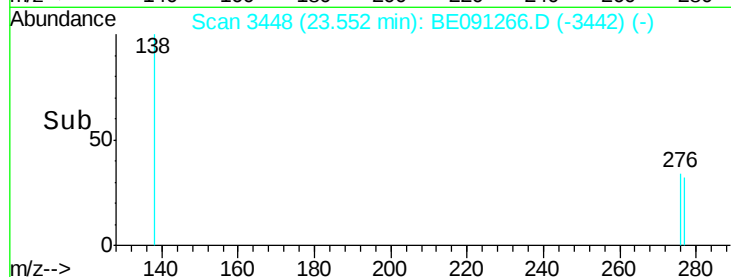
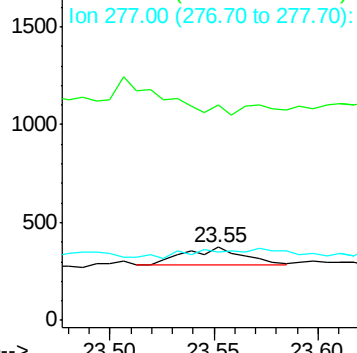
277 59.9 19.3 28.9#



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. -0.14 min

Lab File: BE091266.D

Acq: 21 Nov 2015 5:04

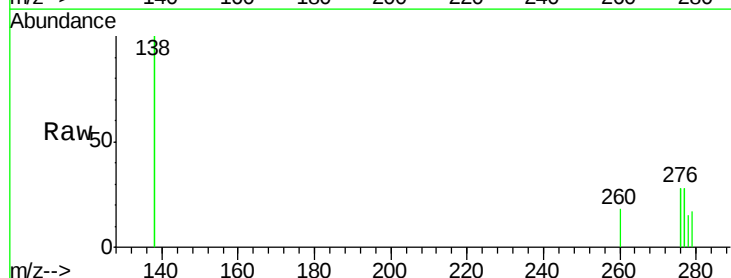
Tgt Ion:278 Resp: 27

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

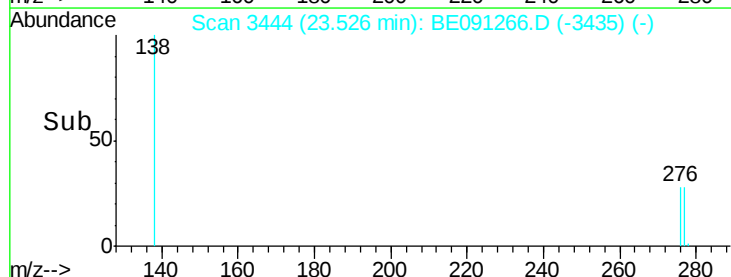
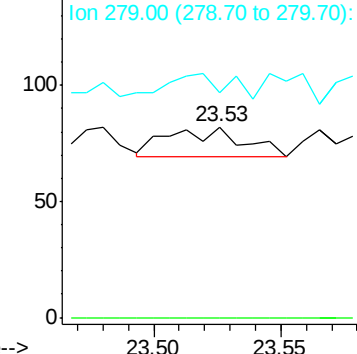
279 118.3 21.9 32.9#

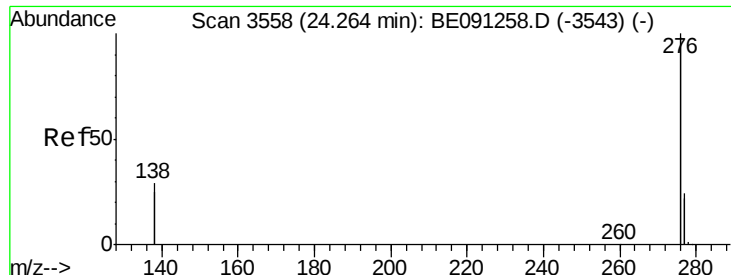


Abundance Ion 278.00 (277.70 to 278.70): E

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/u1

RT: 24.15 min Scan# 3539

Delta R.T. -0.12 min

Lab File: BE091266.D

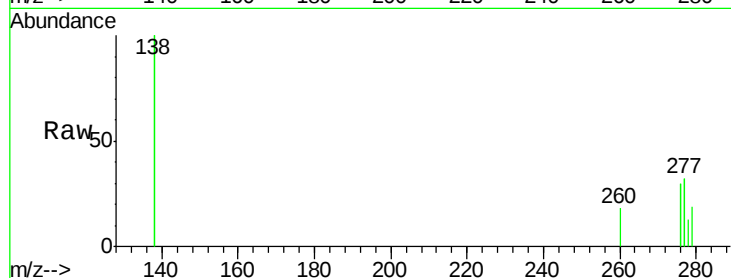
Acq: 21 Nov 2015 5:04

Instrument :

BNA_E

ClientSampleId :

D9KL3MSD



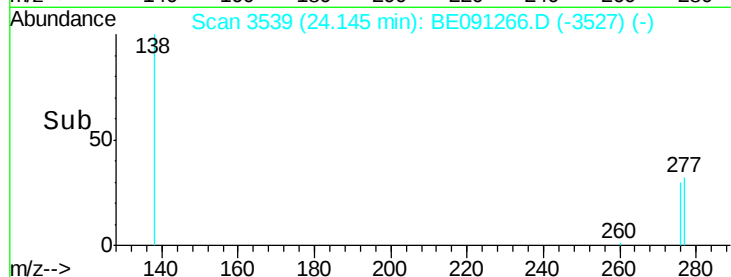
Tgt Ion:276 Resp: 46

Ion Ratio Lower Upper

276 100

277 106.7 21.3 31.9#

138 337.3 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

