

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091287.D
 Acq On : 21 Nov 2015 21:43
 Operator : UM/NP
 Sample : G4345-23
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J68

Quant Time: Nov 22 02:03:30 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 : Sun Nov 22 01:59:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2728	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	13597	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	8290	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1233555	0.40	ng/ul	0.07
18) Chrysene-d12	20.22	240	20976	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1371464	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.91	96	24054	12.26	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.05	152	5908	0.32	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	15060	0.00	ng/ul	0.00

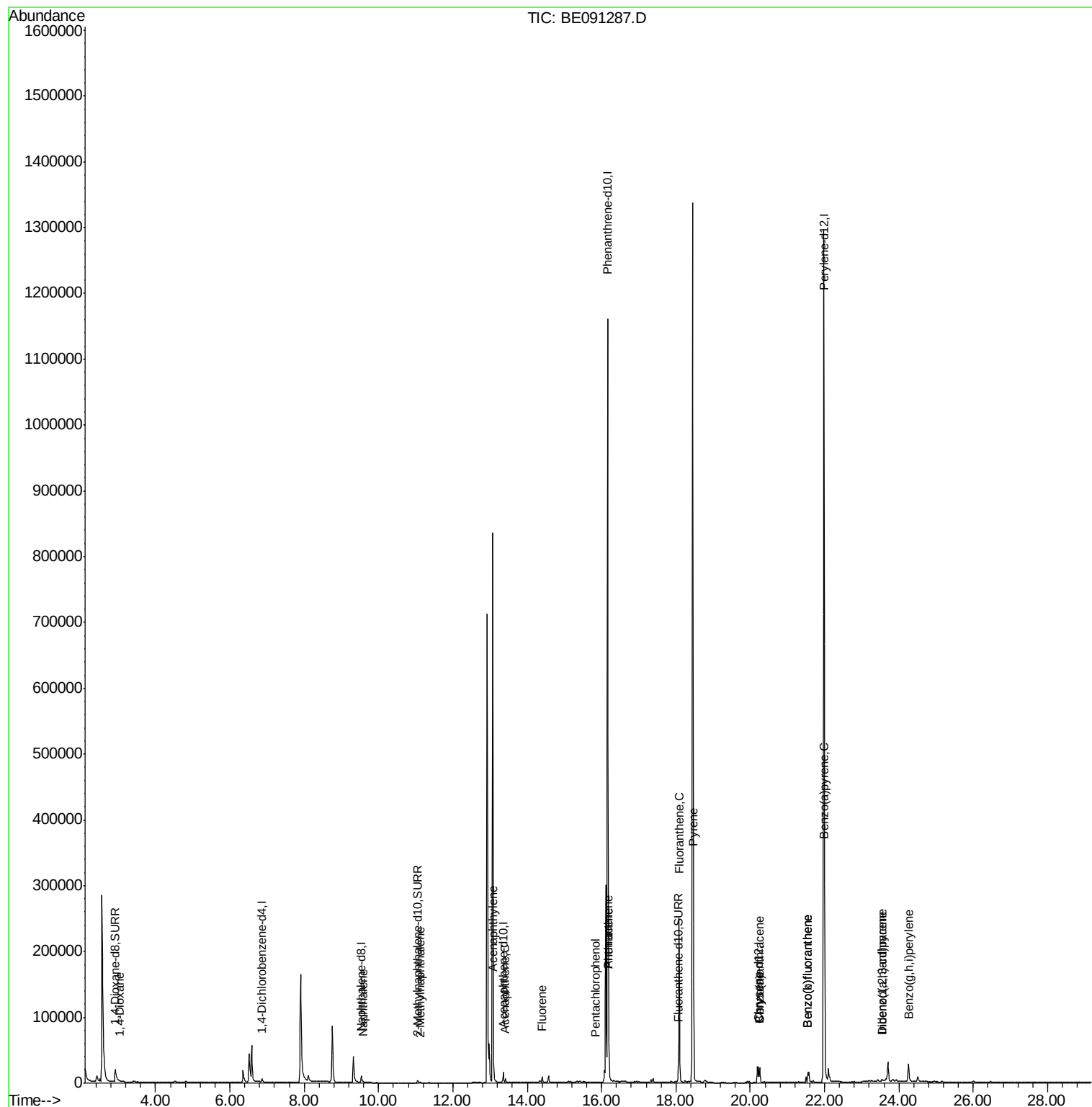
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.03	88	35	0.02	ng/ul#	24
5) Naphthalene	9.58	128	2929	0.09	ng/ul#	84
7) 2-Methylnaphthalene	11.12	142	706	0.03	ng/ul	95
9) Acenaphthylene	13.10	152	750	0.02	ng/ul#	59
10) Acenaphthene	13.42	153	3629	0.13	ng/ul	91
11) Fluorene	14.40	166	5665	0.16	ng/ul	89
13) Pentachlorophenol	15.85	266	217	0.00	ng/ul	93
14) Phenanthrene	16.19	178	65068	0.00	ng/ul	98
15) Anthracene	16.19	178	64540	0.00	ng/ul	98
17) Fluoranthene	18.09	202	259038	0.02	ng/ul	90
19) Pyrene	18.47	202	230866	0.97	ng/ul#	79
20) Benzo(a)anthracene	20.25	228	20262	0.38	ng/ul	96
21) Chrysene	20.25	228	20538	0.33	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	15660	0.00	ng/ul	96
24) Benzo(k)fluoranthene	21.55	252	15660	0.00	ng/ul	98
25) Benzo(a)pyrene	22.01	252	17388	0.00	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.54	276	8395	0.00	ng/ul#	85
27) Dibenzo(a,h)anthracene	23.56	278	266	0.00	ng/ul#	16
28) Benzo(g,h,i)perylene	24.26	276	41010	0.00	ng/ul	100

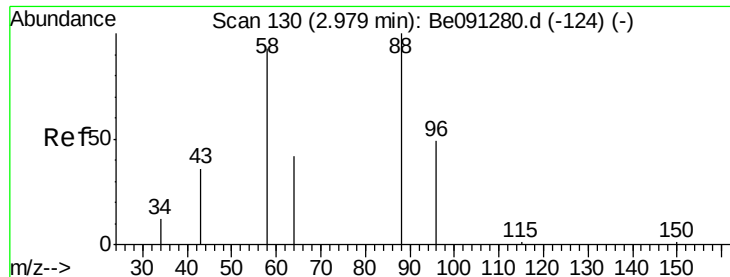
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 3.03 min Scan# 138

Delta R.T. 0.05 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

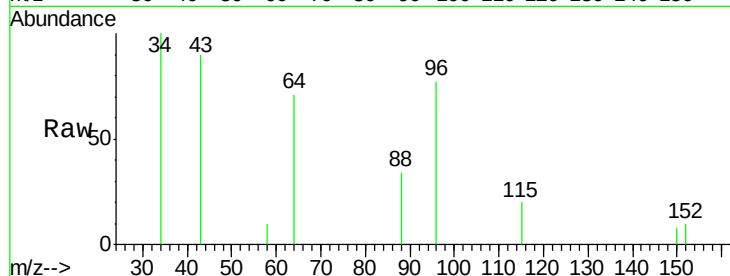
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

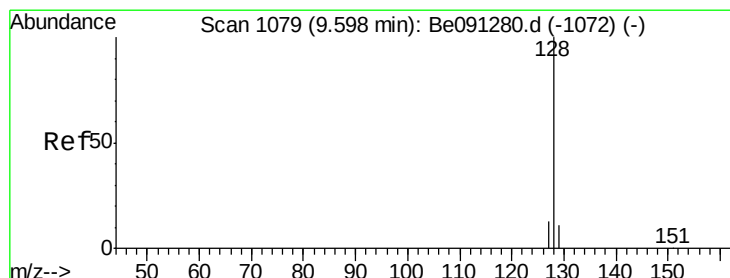
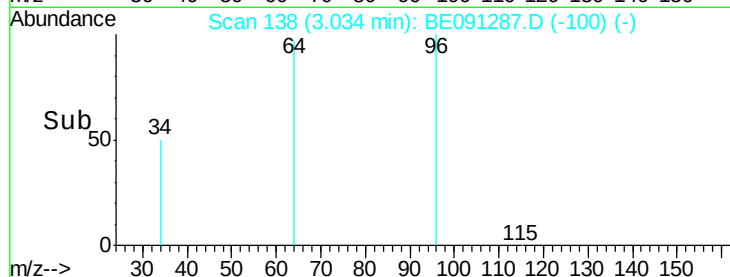
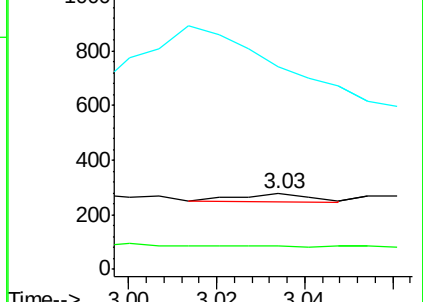
43 0.0 24.2 36.2#



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: 0.09 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

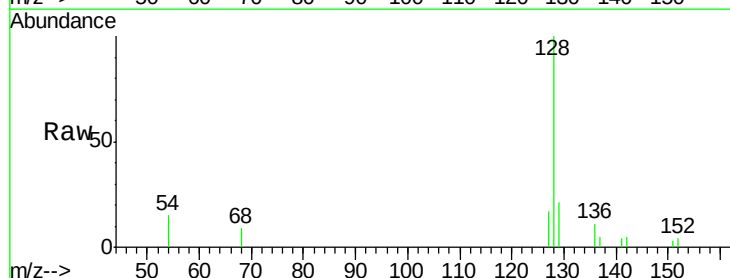
Tgt Ion: 128 Resp: 2929

Ion Ratio Lower Upper

128 100

129 21.5 9.8 14.8#

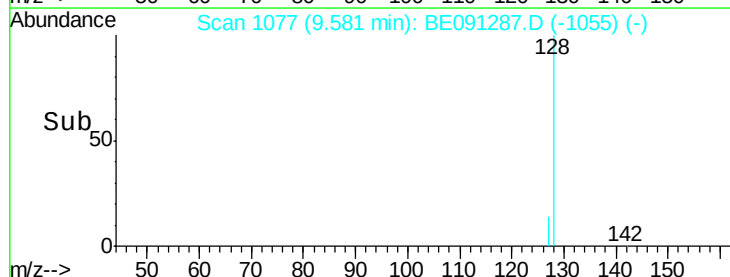
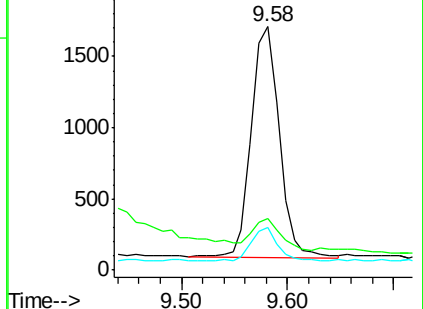
127 17.4 10.7 16.1#

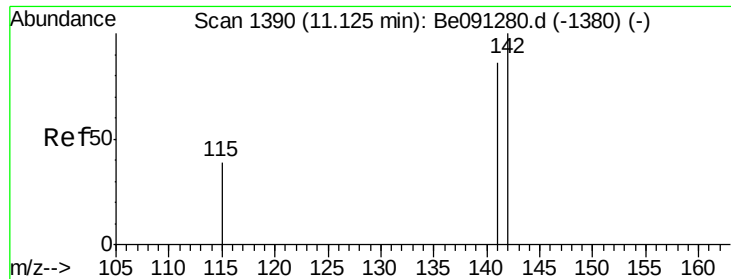


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

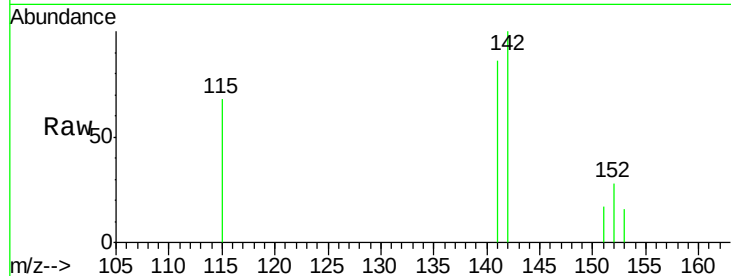
A4J68

Tgt Ion:142 Resp: 706

Ion Ratio Lower Upper

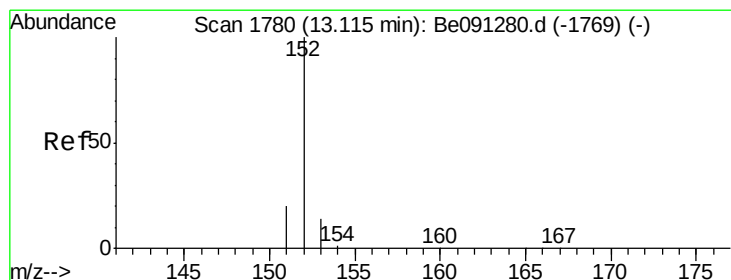
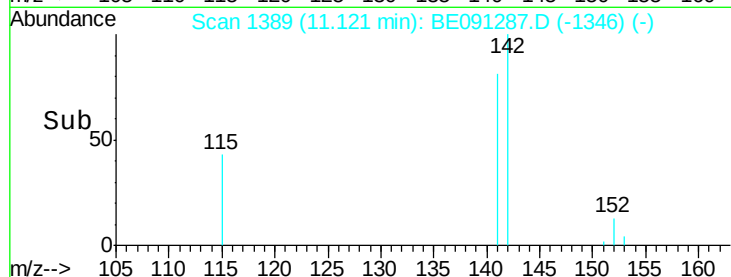
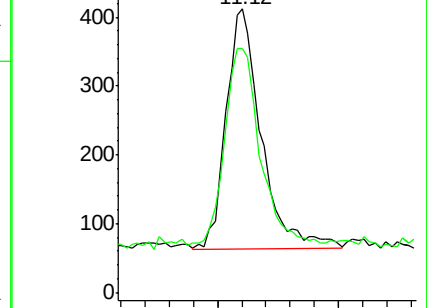
142 100

141 82.9 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: 0.02 ng/ul

RT: 13.10 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

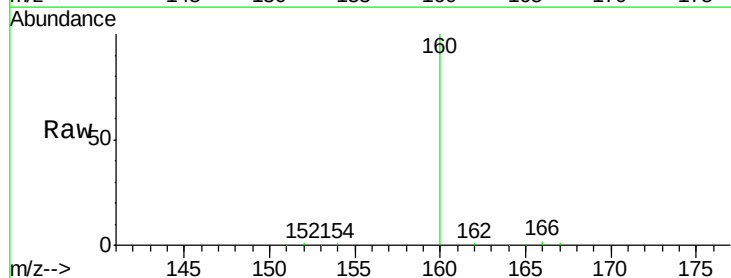
Tgt Ion:152 Resp: 750

Ion Ratio Lower Upper

152 100

151 38.3 16.8 25.2#

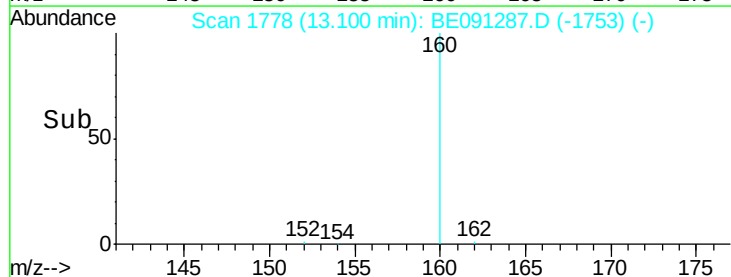
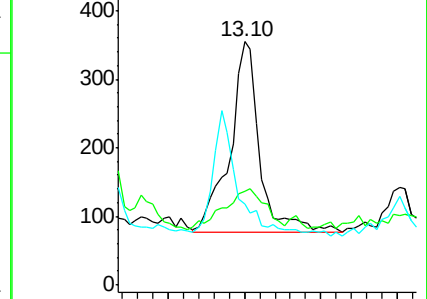
153 33.0 11.3 16.9#

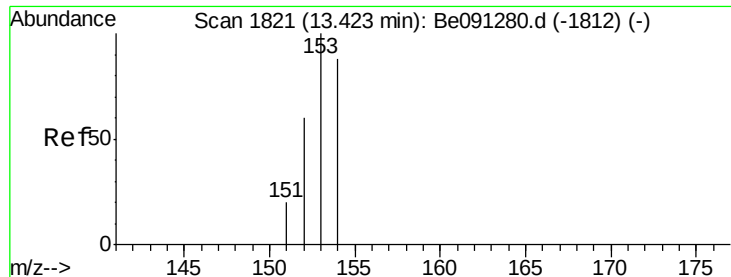


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.13 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

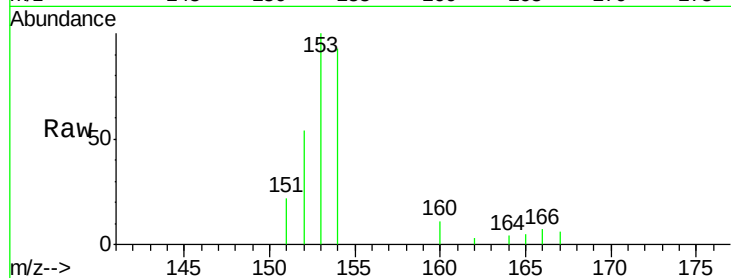
Tgt Ion:153 Resp: 3629

Ion Ratio Lower Upper

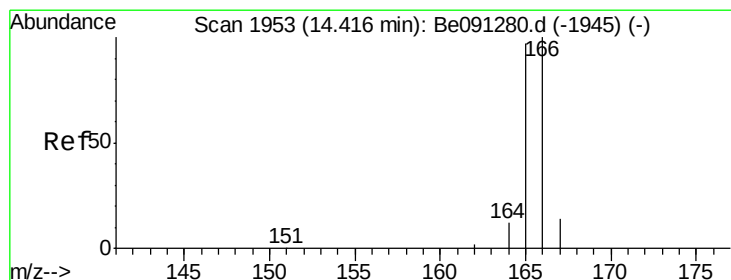
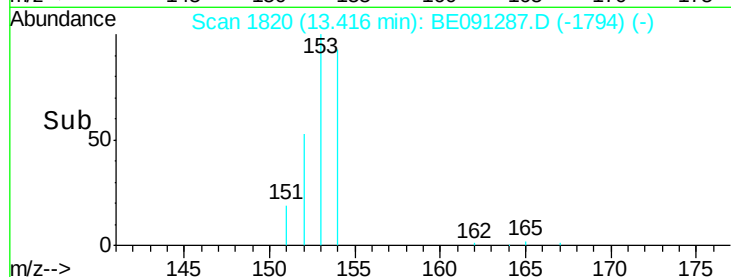
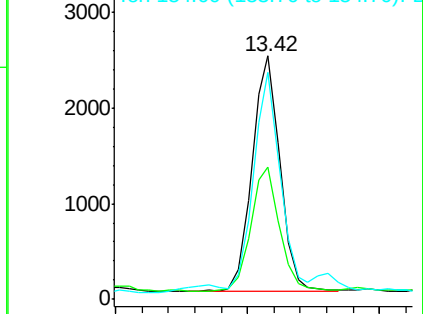
153 100

152 54.4 42.3 63.5

154 93.1 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: 0.16 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

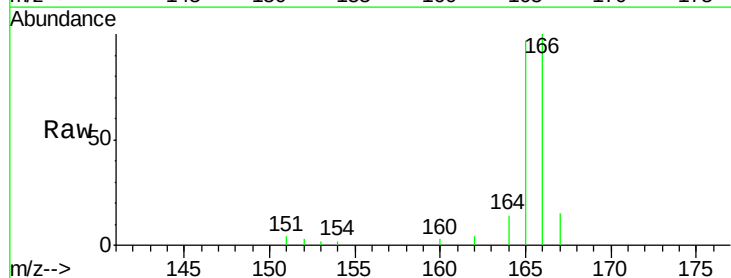
Tgt Ion:166 Resp: 5665

Ion Ratio Lower Upper

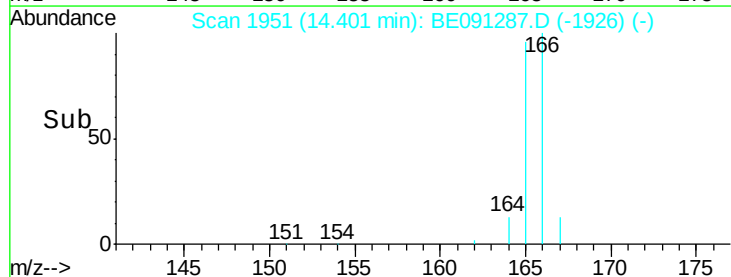
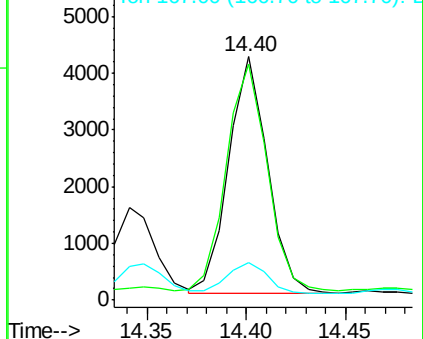
166 100

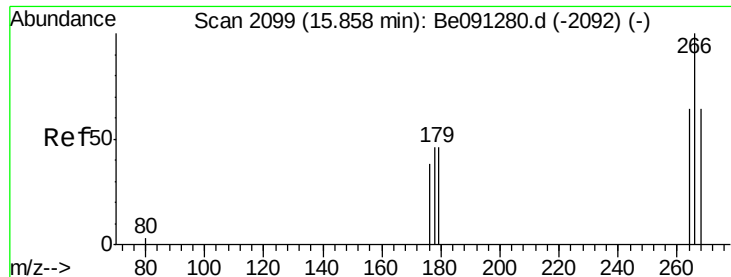
165 97.2 87.6 131.4

167 15.3 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

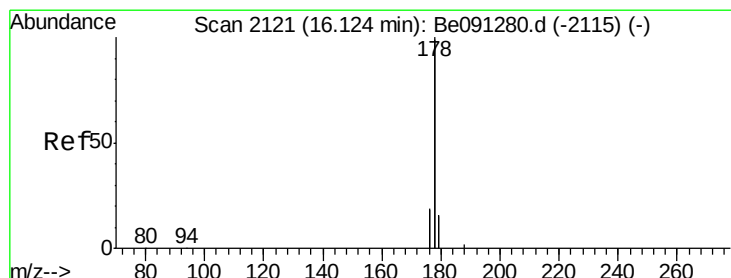
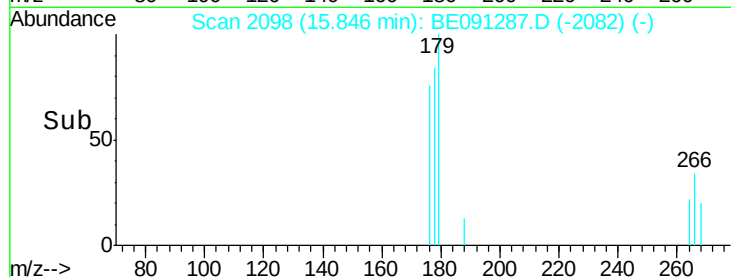
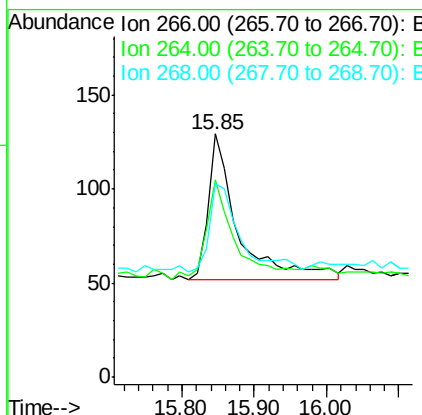
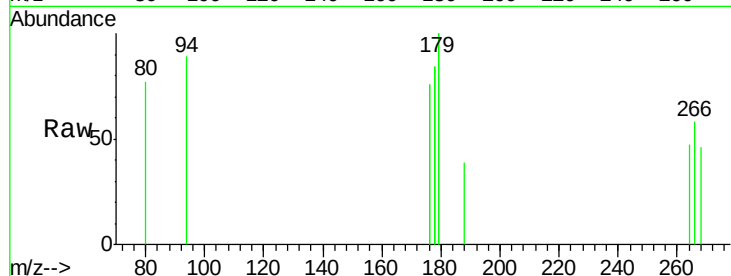




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091287.D
 Acq: 21 Nov 2015 21:43

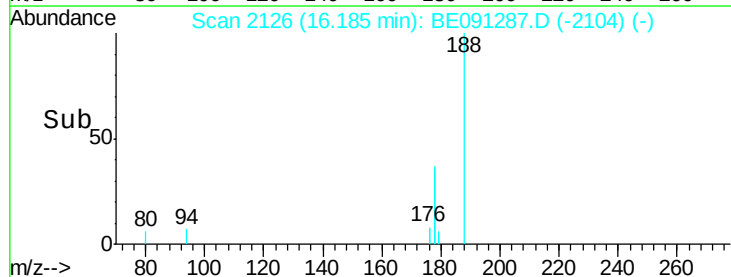
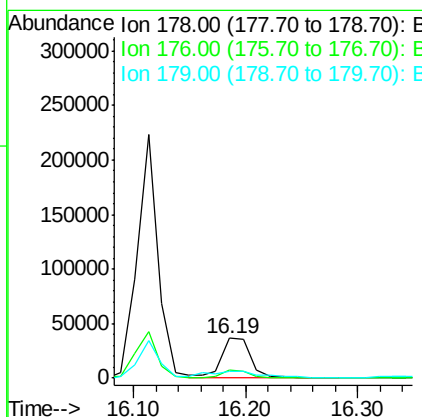
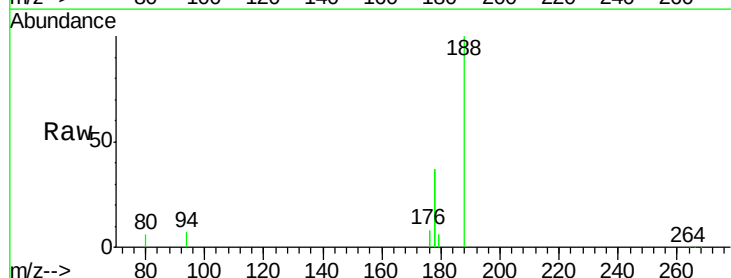
Instrument :
 BNA_E
 ClientSampleId :
 A4J68

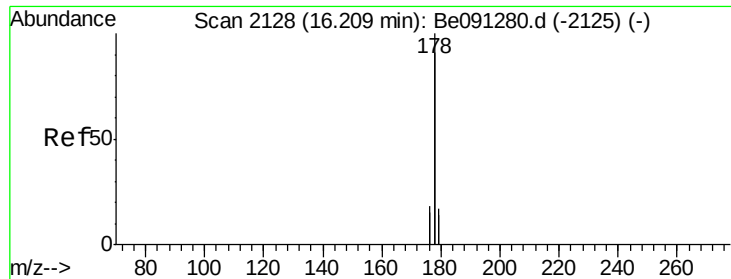
Tgt Ion: 266 Resp: 217
 Ion Ratio Lower Upper
 266 100
 264 69.6 53.5 80.3
 268 59.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.19 min Scan# 2126
 Delta R.T. 0.06 min
 Lab File: BE091287.D
 Acq: 21 Nov 2015 21:43

Tgt Ion: 178 Resp: 65068
 Ion Ratio Lower Upper
 178 100
 176 20.9 16.2 24.4
 179 17.6 12.8 19.2





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.19 min Scan# 2126

Delta R.T. -0.02 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

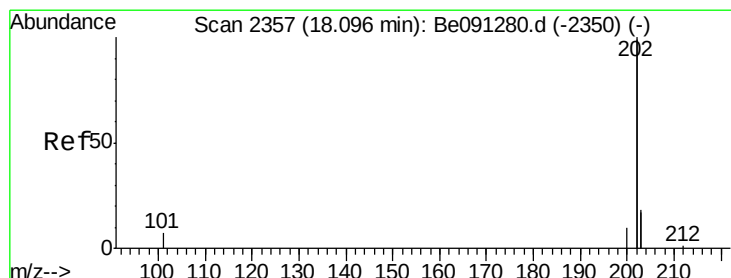
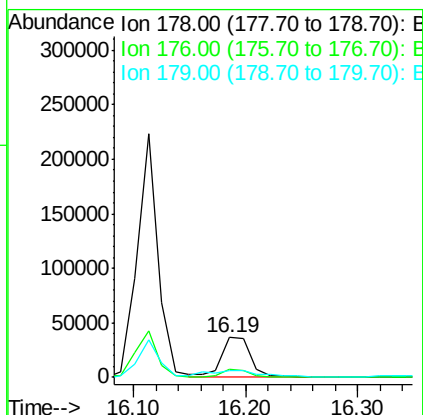
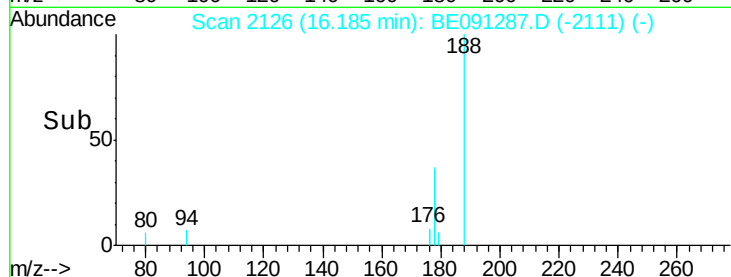
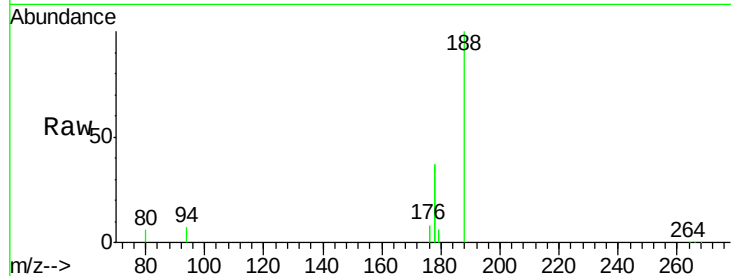
Tgt Ion:178 Resp: 64540

Ion Ratio Lower Upper

178 100

176 20.9 15.8 23.8

179 17.6 13.3 19.9



#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

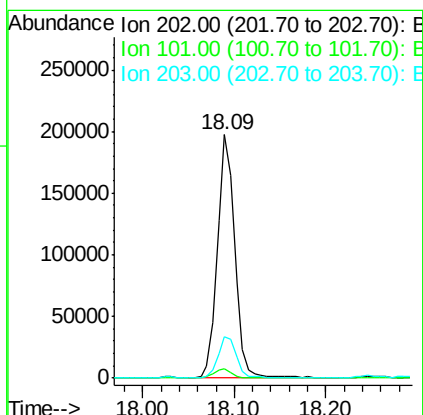
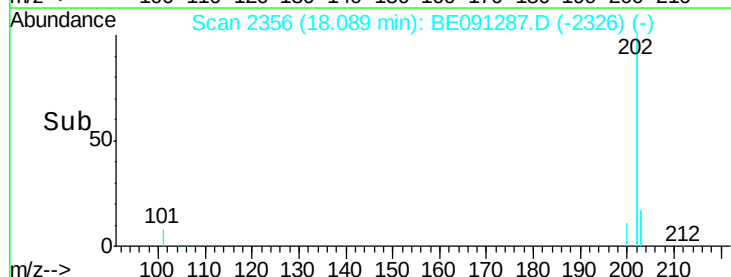
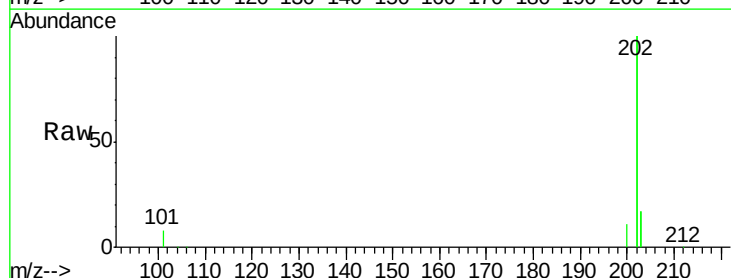
Tgt Ion:202 Resp: 259038

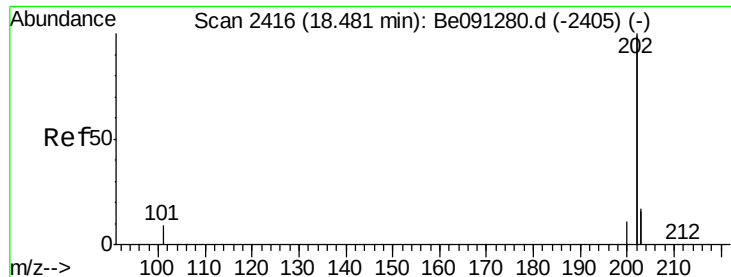
Ion Ratio Lower Upper

202 100

101 3.9 0.0 33.1

203 17.2 0.0 37.2





#19

Pyrene

Concen: 0.97 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

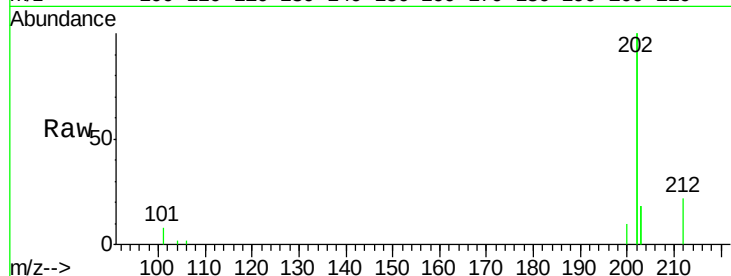
Tgt Ion:202 Resp: 230866

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

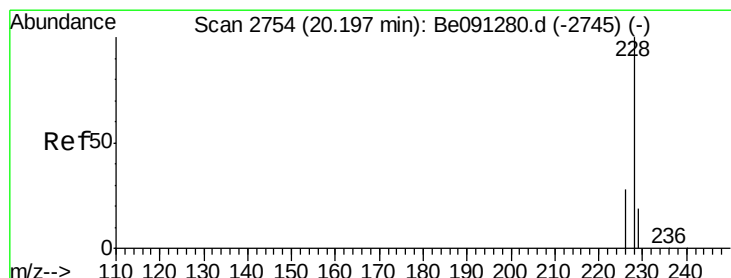
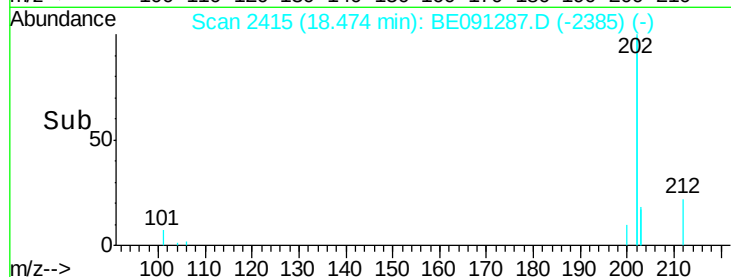
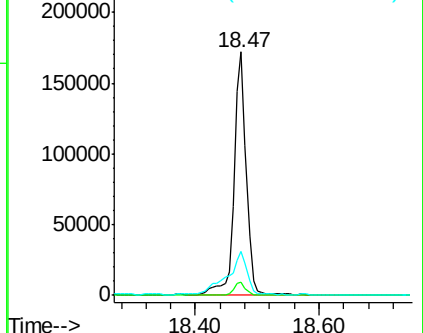
203 18.2 13.8 20.6



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: 0.38 ng/ul

RT: 20.25 min Scan# 2767

Delta R.T. 0.06 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

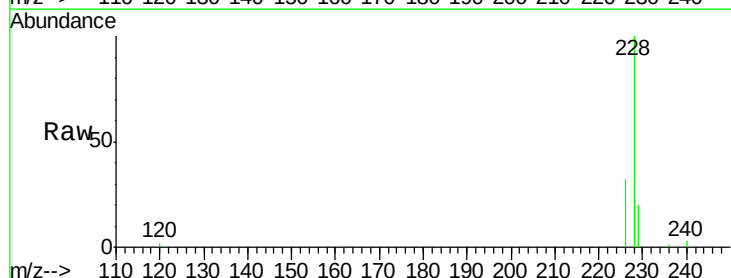
Tgt Ion:228 Resp: 20262

Ion Ratio Lower Upper

228 100

226 31.6 23.0 34.4

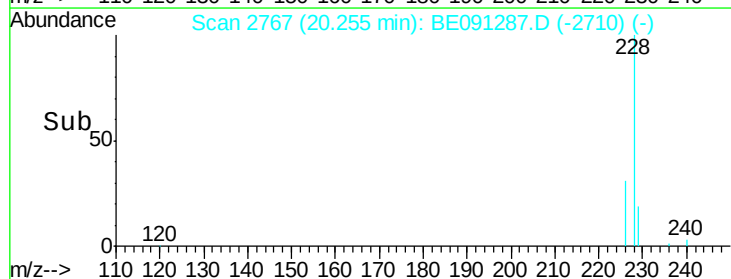
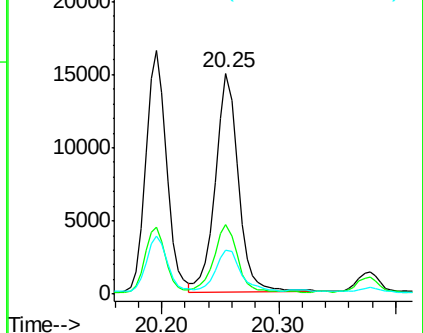
229 20.1 15.2 22.8

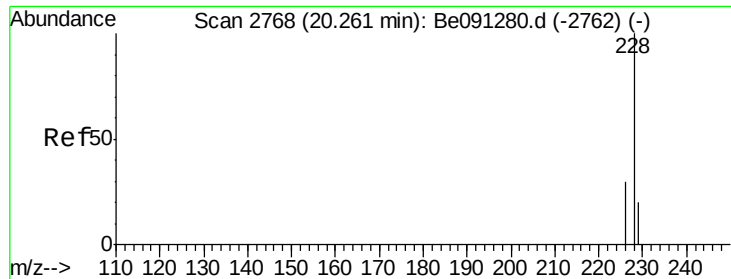


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.33 ng/ul

RT: 20.25 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

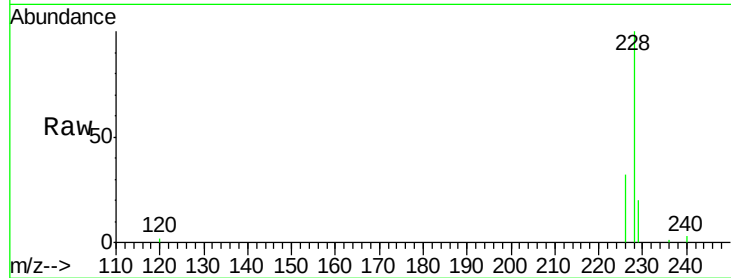
Tgt Ion:228 Resp: 20538

Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

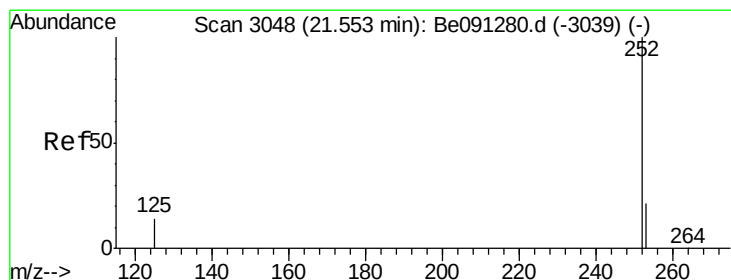
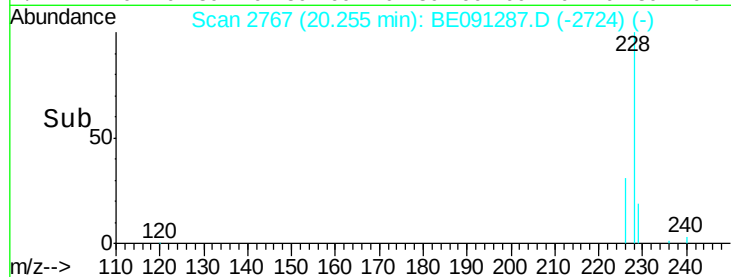
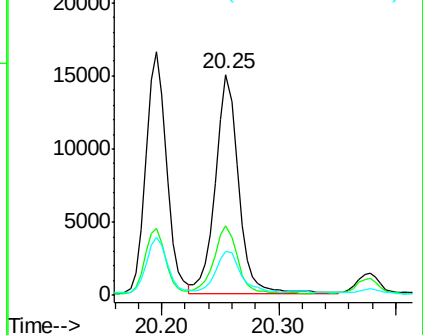
229 20.1 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

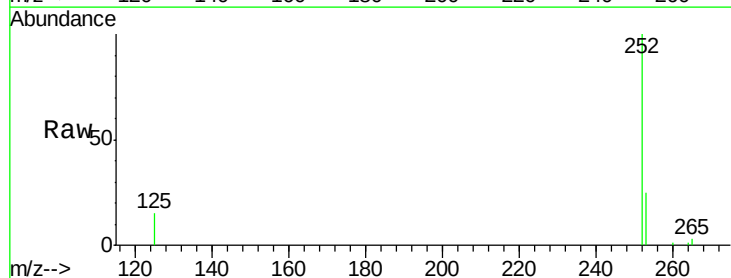
Tgt Ion:252 Resp: 15660

Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.0

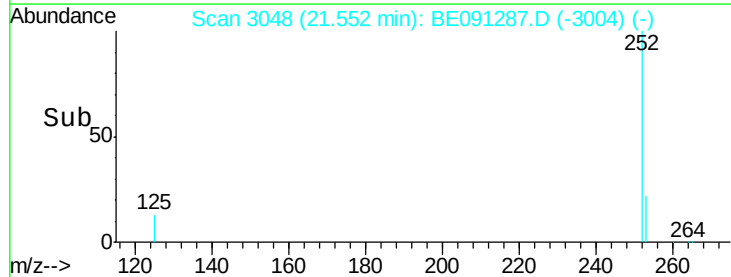
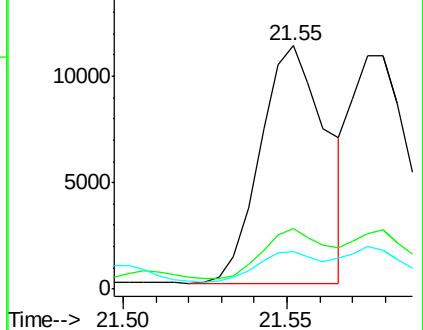
125 15.4 0.0 36.6

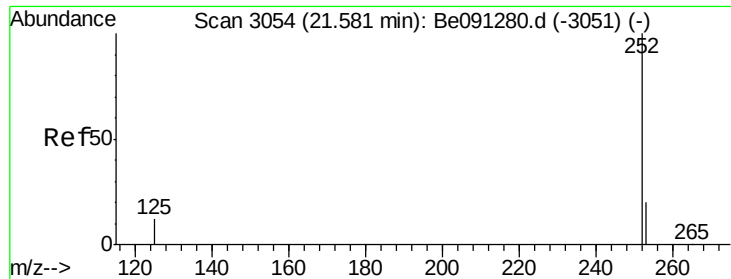


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.03 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

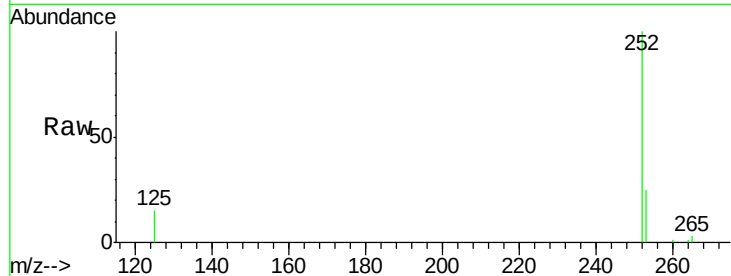
Tgt Ion:252 Resp: 15660

Ion Ratio Lower Upper

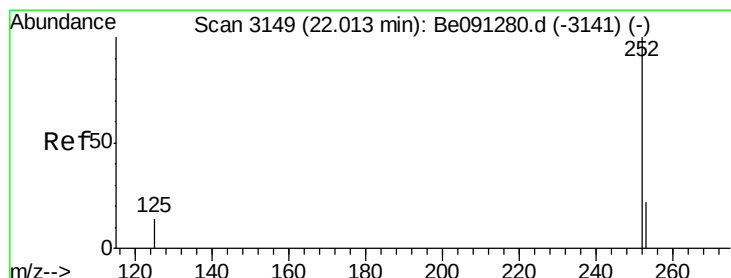
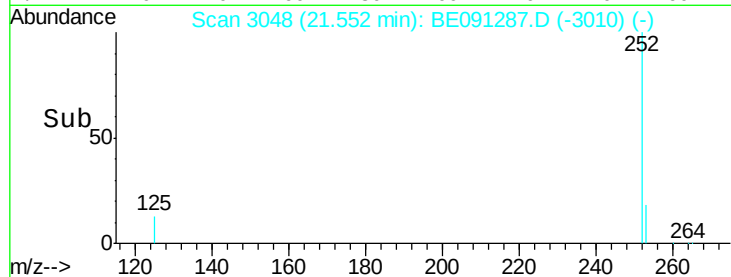
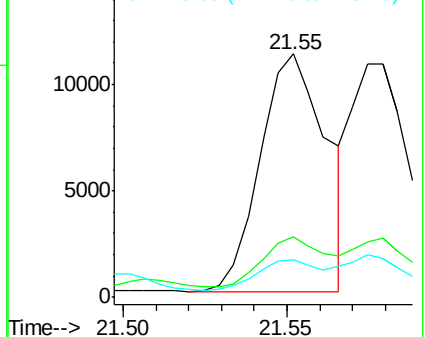
252 100

253 24.7 20.8 31.2

125 15.4 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/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

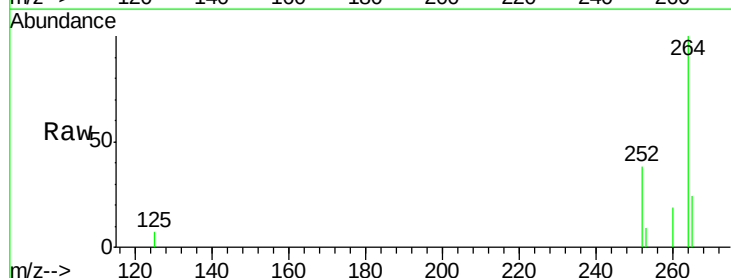
Tgt Ion:252 Resp: 17388

Ion Ratio Lower Upper

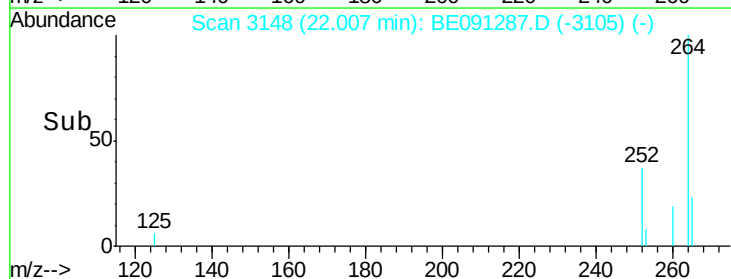
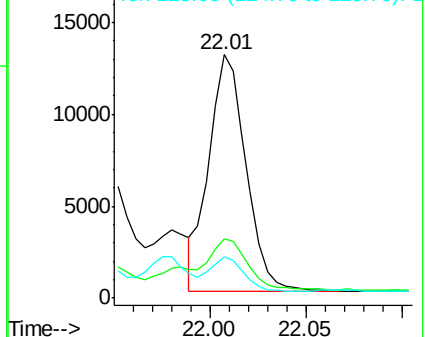
252 100

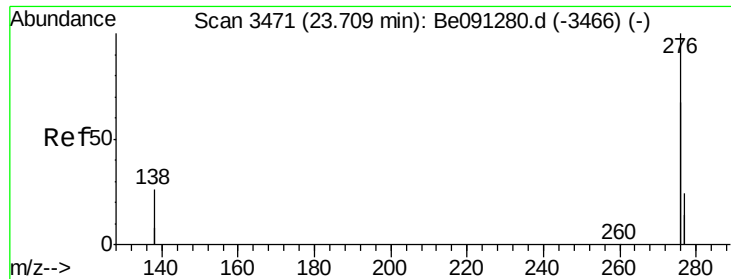
253 24.6 21.8 32.8

125 17.3 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: 23.54 min Scan# 3446

Delta R.T. -0.17 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

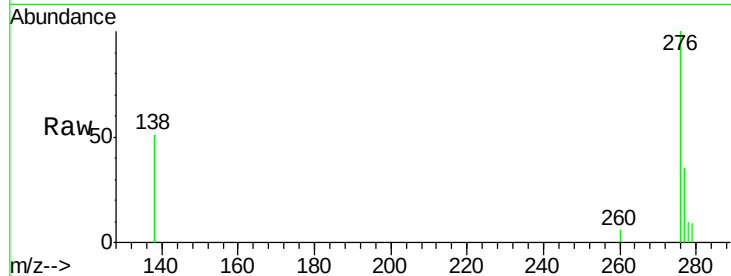
Tgt Ion:276 Resp: 8395

Ion Ratio Lower Upper

276 100

138 21.8 27.5 41.3#

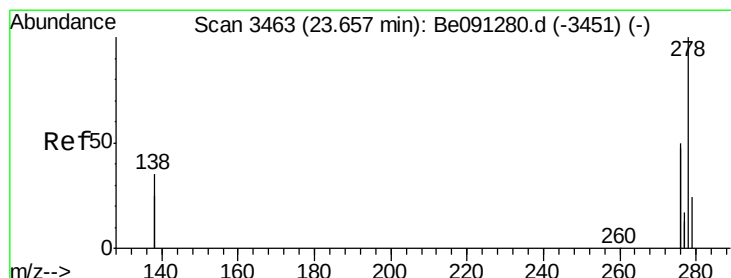
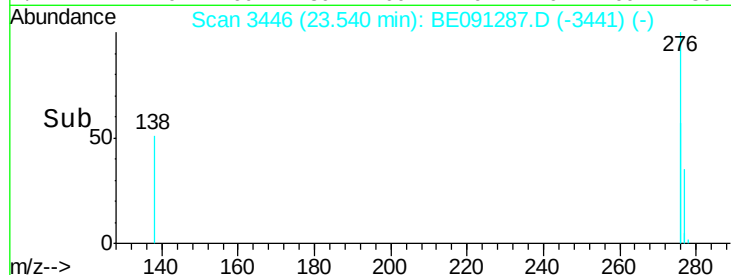
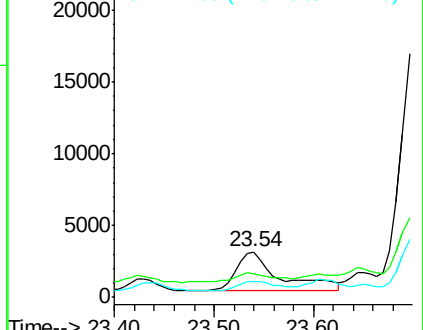
277 21.1 19.3 28.9



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: 23.56 min Scan# 3449

Delta R.T. -0.10 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

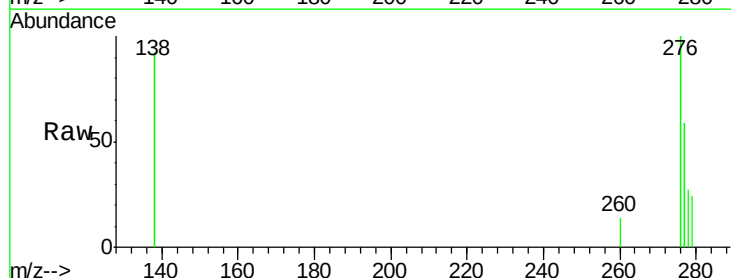
Tgt Ion:278 Resp: 266

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

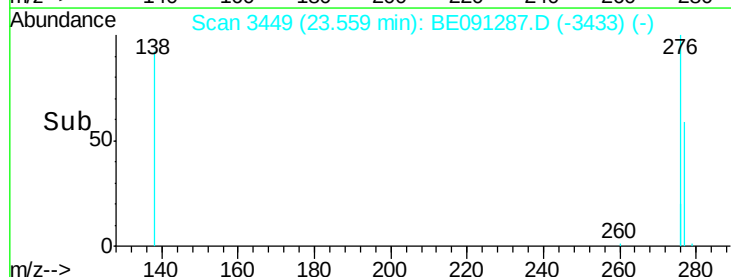
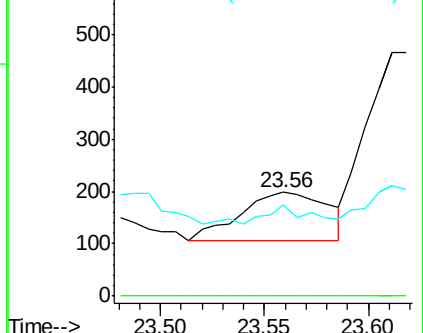
279 87.4 21.9 32.9#

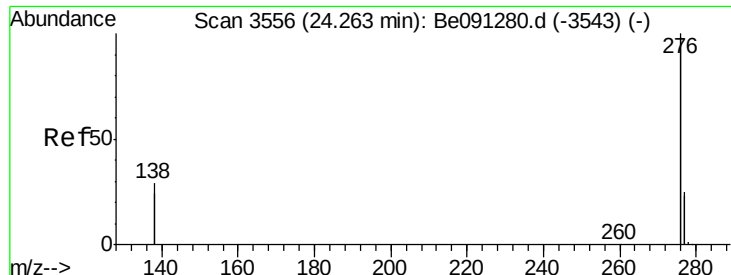


Abundance Ion 278.00 (277.70 to 278.70): E

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# 3556

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

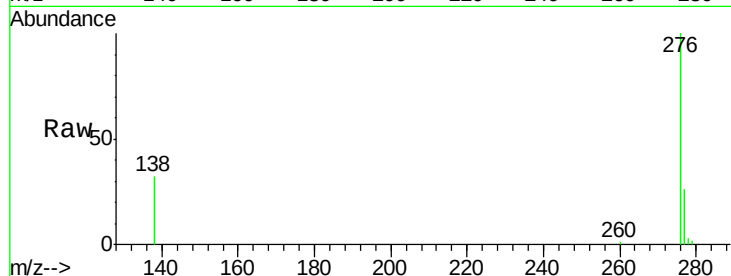
Tgt Ion:276 Resp: 41010

Ion Ratio Lower Upper

276 100

277 26.3 21.3 31.9

138 31.8 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

