

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092191.D
 Acq On : 4 Aug 2016 20:32
 Operator : UM/SJ
 Sample : PB92482BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92482BL

Quant Time: Aug 05 03:14:33 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

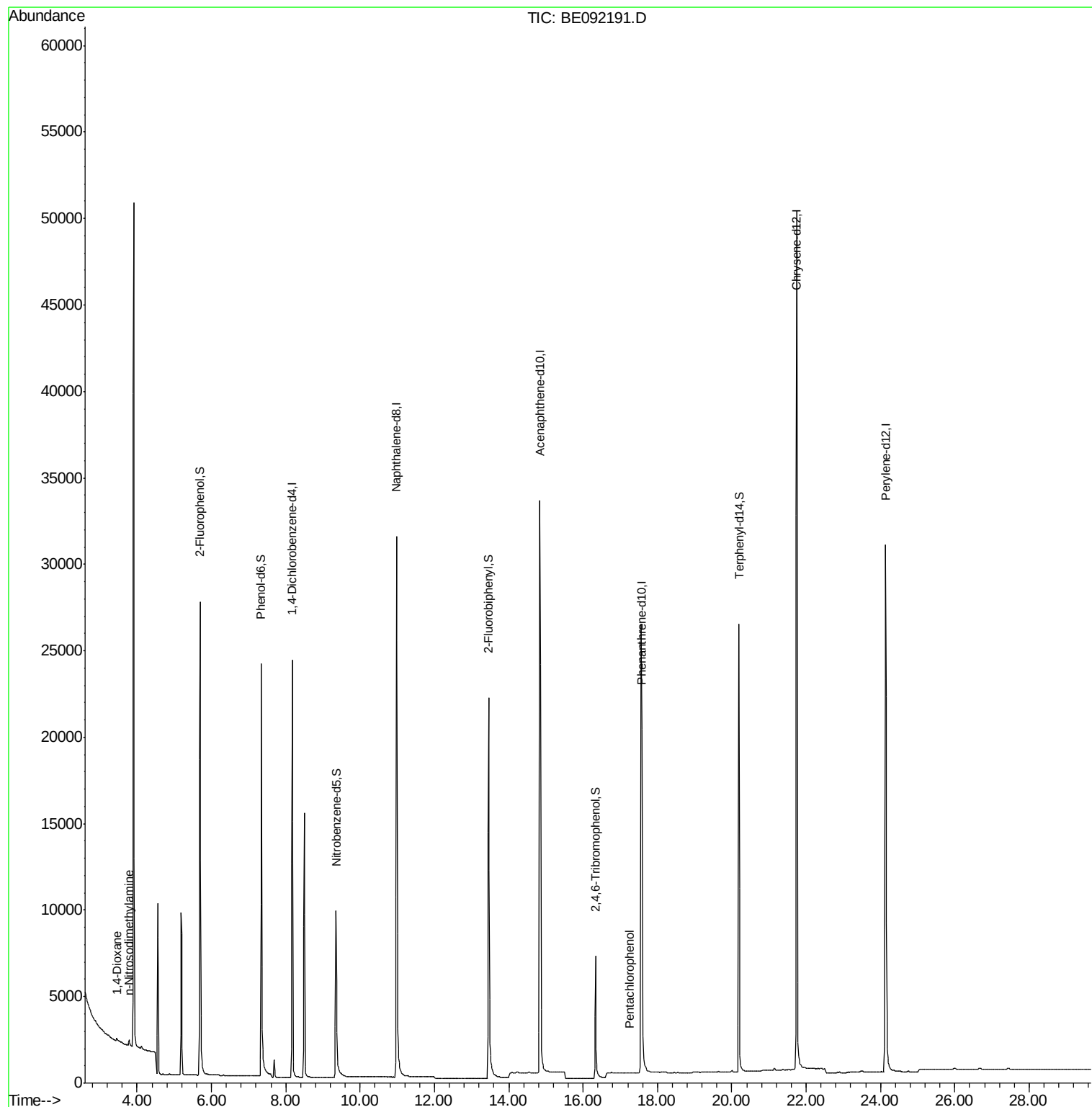
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12364	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	53347	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26199	5.00	ng	-0.02
16) Phenanthrene-d10	17.58	188	55319	5.00	ng	0.00
22) Chrysene-d12	21.75	240	65961	5.00	ng	0.00
28) Perylene-d12	24.14	264	46301	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	23203	7.31	ng	0.00
5) Phenol-d6	7.34	99	28181	6.66	ng	-0.01
7) Nitrobenzene-d5	9.35	82	12519	2.97	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	5469	6.43	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	27405	3.30	ng	0.00
24) Terphenyl-d14	20.19	244	34164	3.61	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.46	88	344	0.20	ng	# 76
3) n-Nitrosodimethylamine	3.78	42	112	0.14	ng	# 6
8) Naphthalene	11.03	128	22	Below Cal		# 1
18) Pentachlorophenol	17.26	266	1	0.19	ng	# 76
19) Phenanthrene	17.60	178	69	Below Cal		# 70
30) Benzo(k)fluoranthene	23.46	252	35	Below Cal		# 1

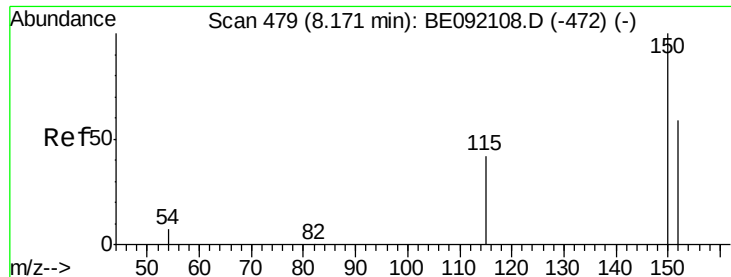
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

Instrument :

BNA_E

ClientSampleId :

PB92482BL

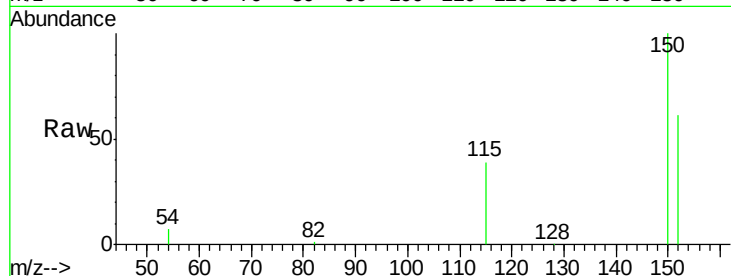
Tgt Ion:152 Resp: 12364

Ion Ratio Lower Upper

152 100

150 163.3 106.0 159.0#

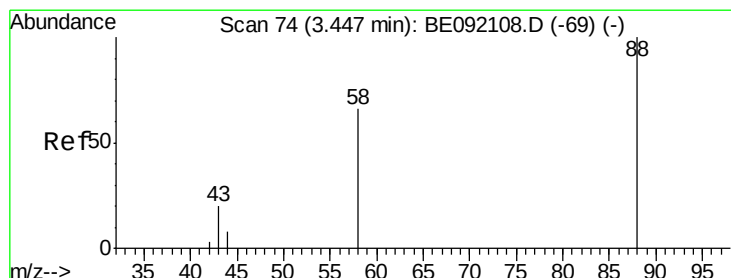
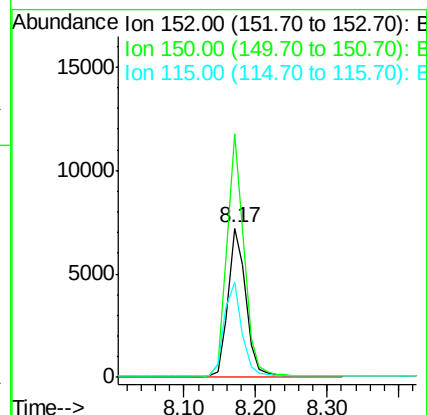
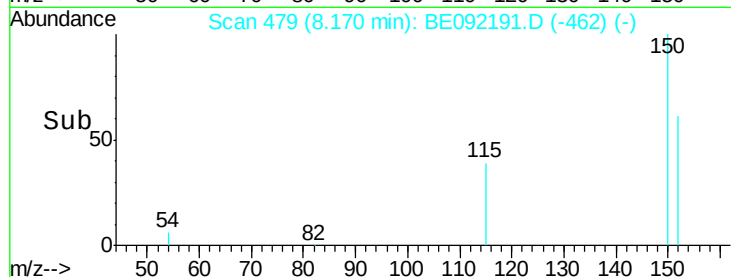
115 63.9 36.9 55.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.20 ng

RT: 3.46 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

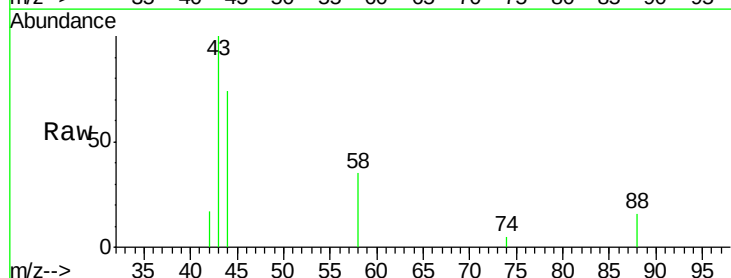
Tgt Ion: 88 Resp: 344

Ion Ratio Lower Upper

88 100

58 70.1 62.1 93.1

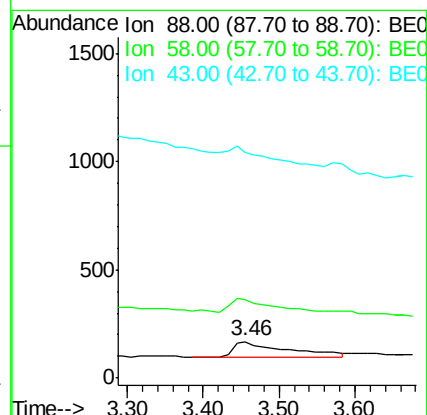
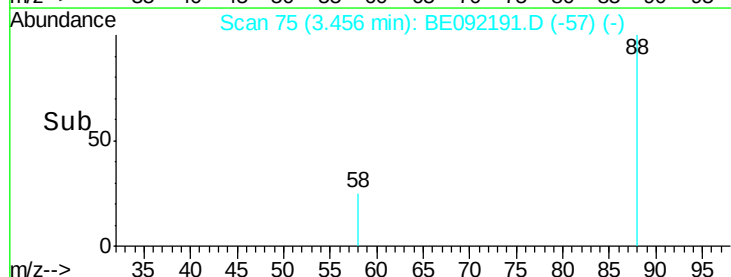
43 0.0 27.2 40.8#

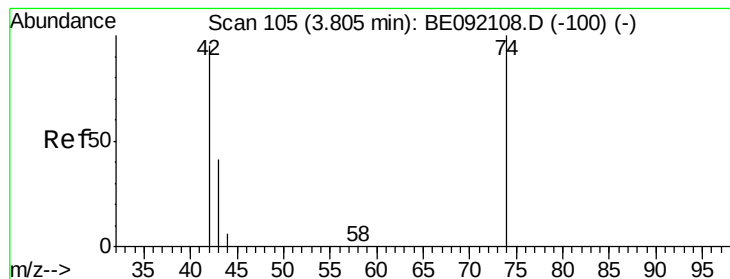


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.14 ng

RT: 3.78 min Scan# 103

Delta R.T. -0.03 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

Instrument :

BNA_E

ClientSampleId :

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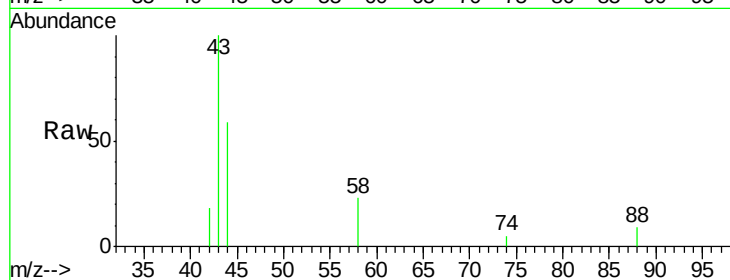
Tgt Ion: 42 Resp: 112

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

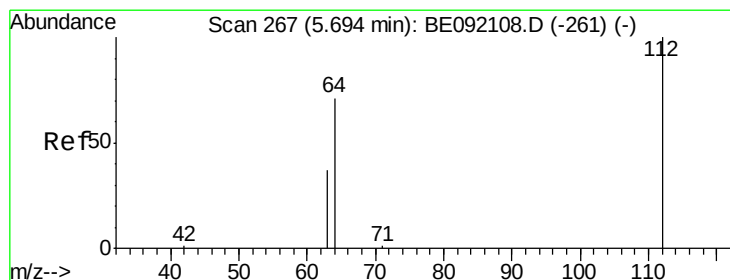
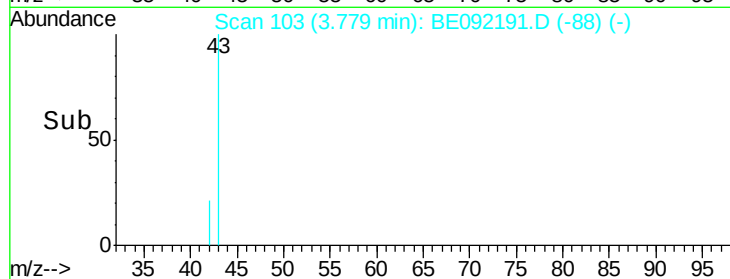
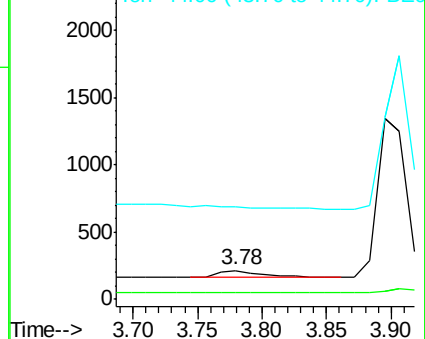
44 0.0 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 7.31 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

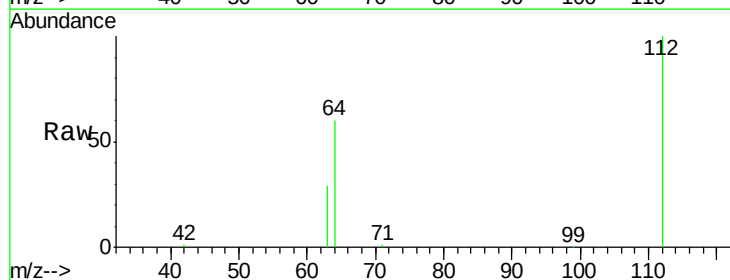
Tgt Ion: 112 Resp: 23203

Ion Ratio Lower Upper

112 100

64 67.1 55.9 83.9

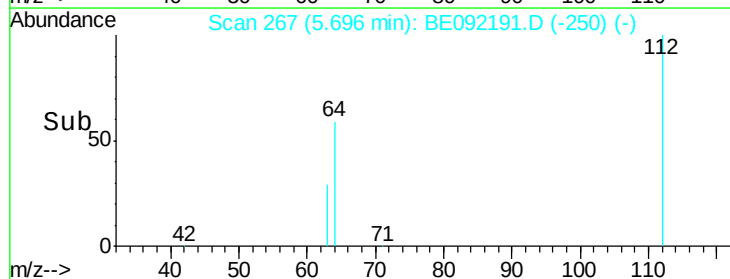
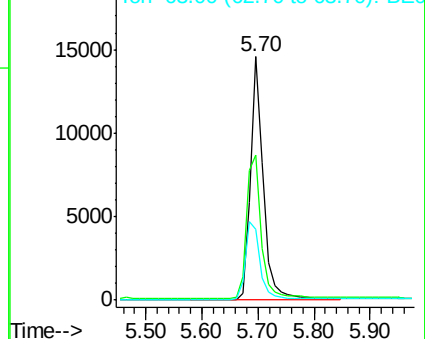
63 36.6 31.1 46.7

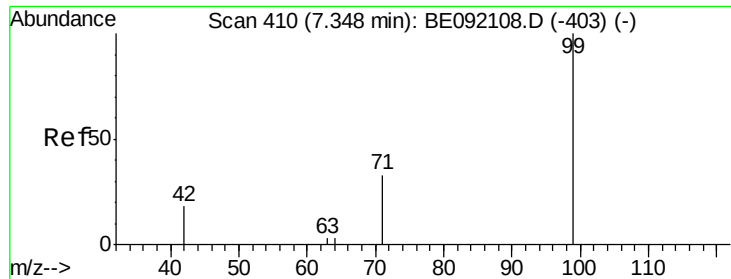


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.66 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

Instrument :

BNA_E

ClientSampleId :

PB92482BL

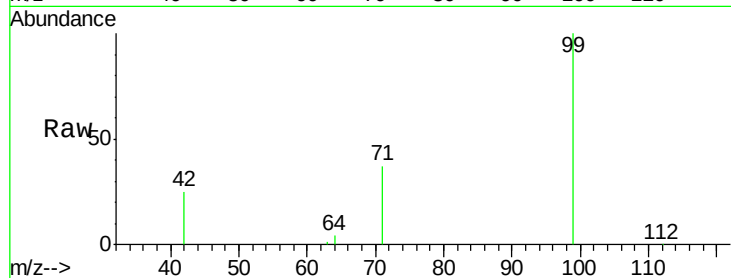
Tgt Ion: 99 Resp: 28181

Ion Ratio Lower Upper

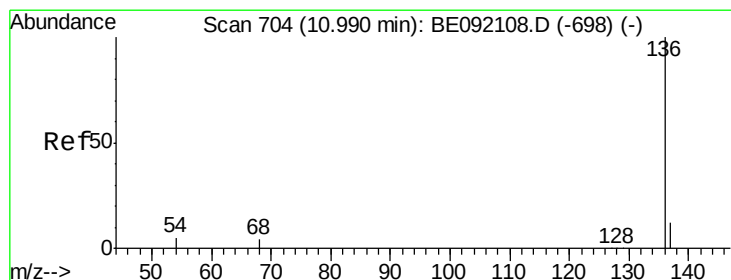
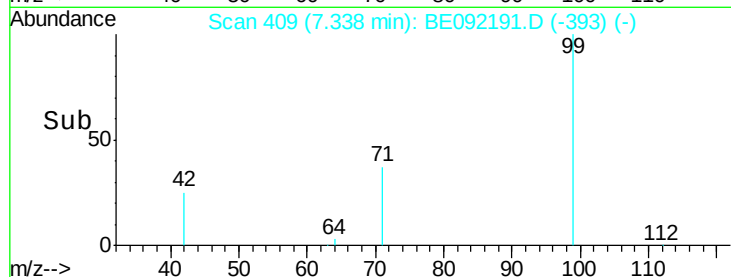
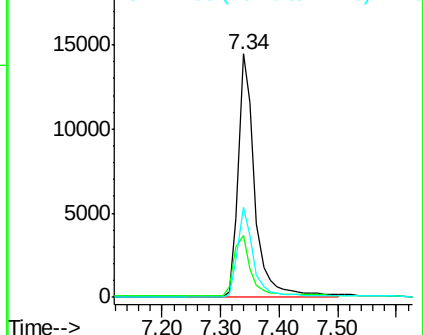
99 100

42 25.4 22.4 33.6

71 35.3 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

Tgt Ion: 136 Resp: 53347

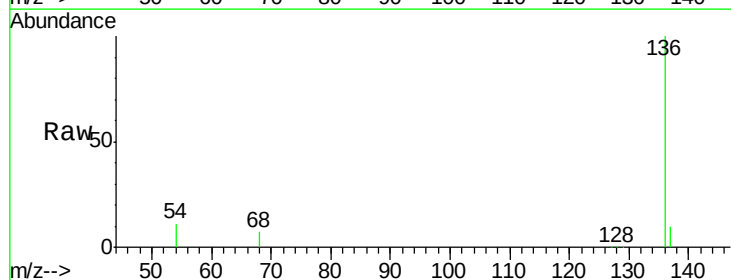
Ion Ratio Lower Upper

136 100

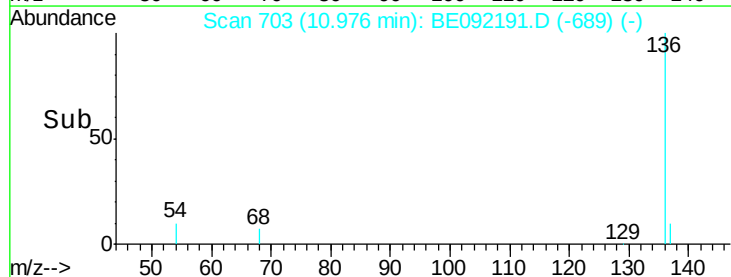
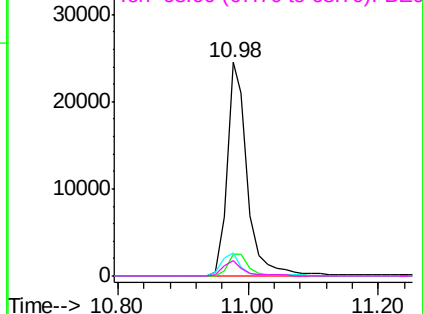
137 10.5 9.1 13.7

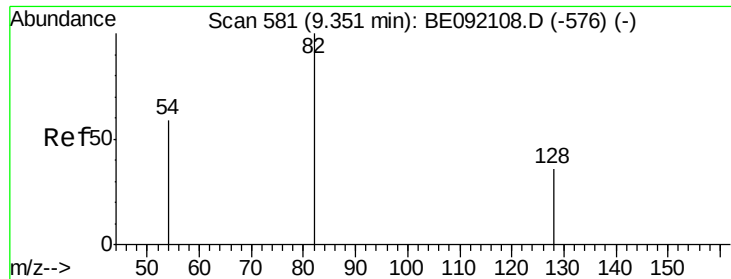
54 10.5 2.7 4.1#

68 7.3 2.2 3.4#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 2.97 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

Instrument :

BNA_E

ClientSampleId :

PB92482BL

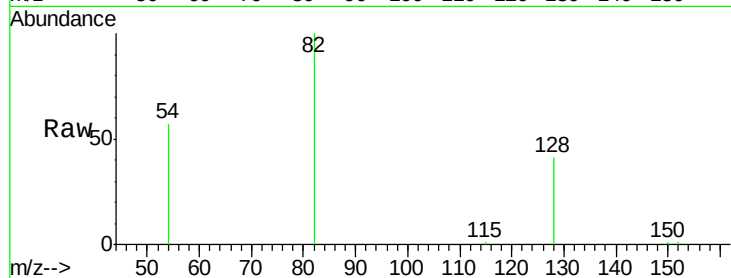
Tgt Ion: 82 Resp: 12519

Ion Ratio Lower Upper

82 100

128 40.6 33.0 49.4

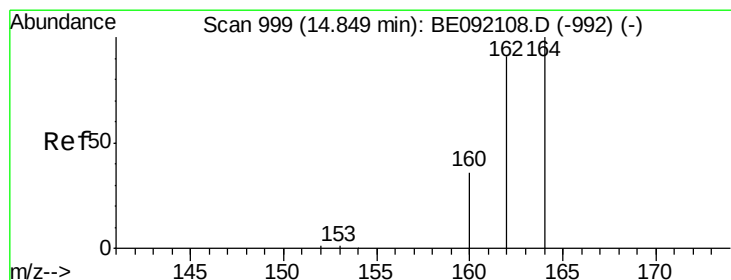
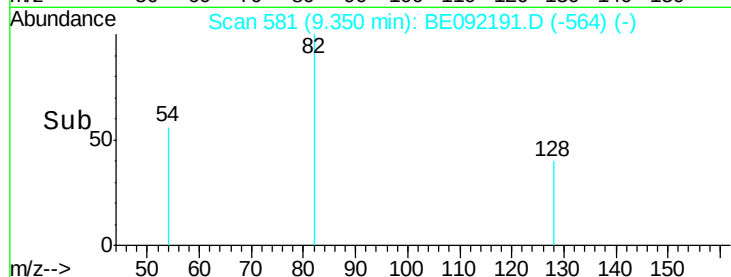
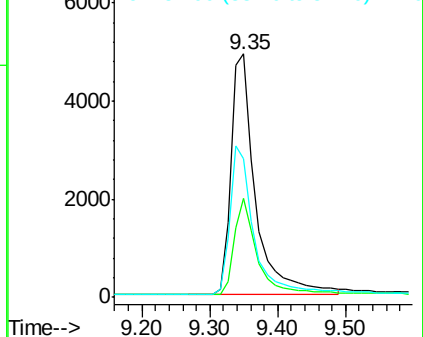
54 57.0 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

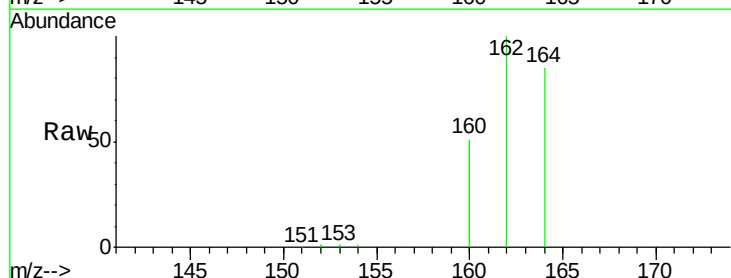
Tgt Ion: 164 Resp: 26199

Ion Ratio Lower Upper

164 100

162 117.0 69.5 104.3#

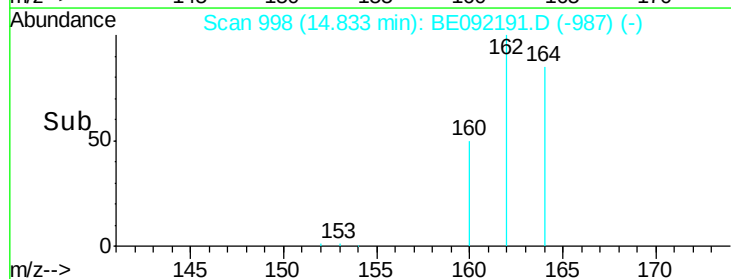
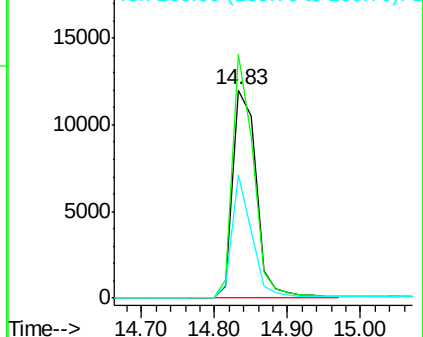
160 59.2 27.6 41.4#

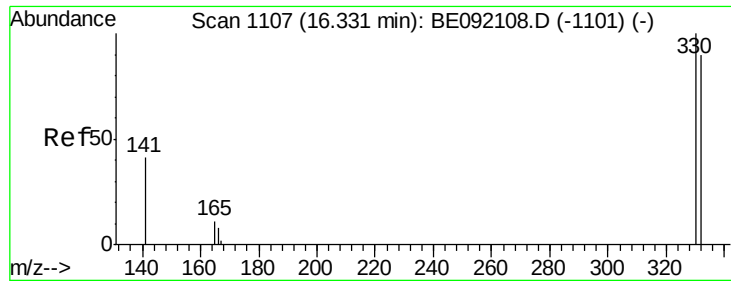


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

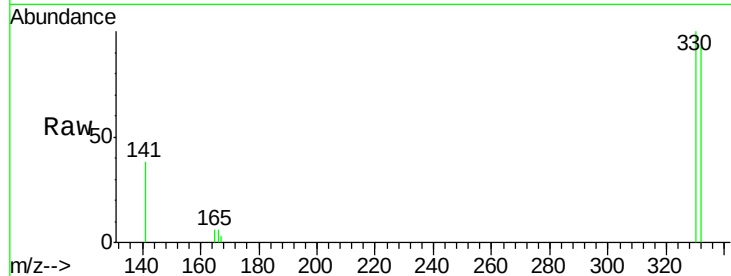




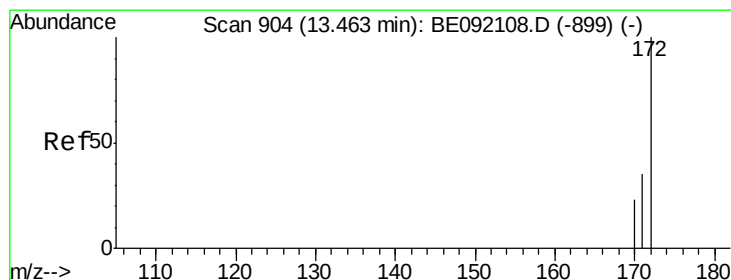
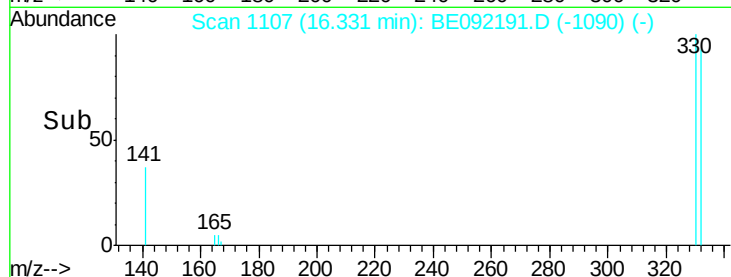
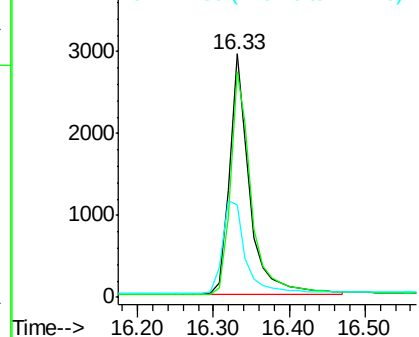
#11
 2,4,6-Tribromophenol
 Concen: 6.43 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092191.D
 Acq: 4 Aug 2016 20:32

Instrument :
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 PB92482BL

Tgt Ion: 330 Resp: 5469
 Ion Ratio Lower Upper
 330 100
 332 96.8 74.2 111.4
 141 44.3 139.8 209.8#

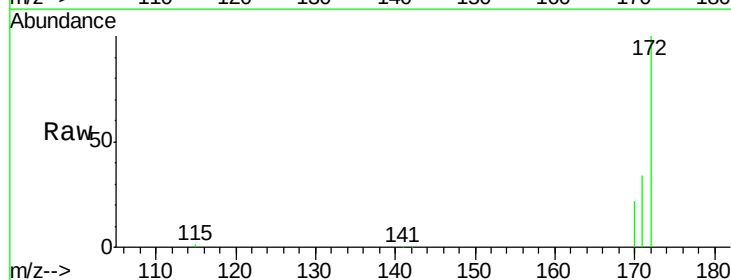


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

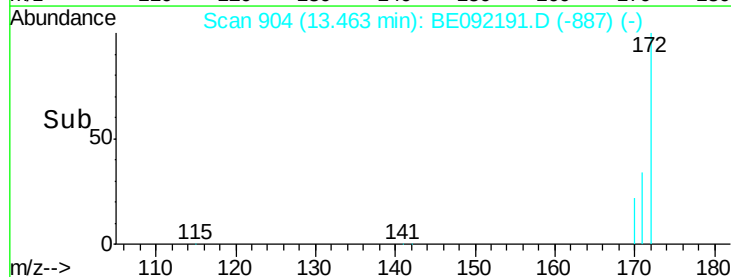
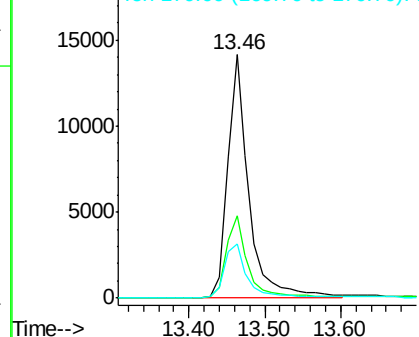


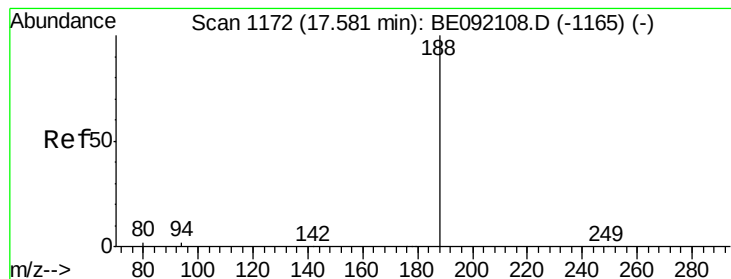
#12
 2-Fluorobiphenyl
 Concen: 3.30 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092191.D
 Acq: 4 Aug 2016 20:32

Tgt Ion: 172 Resp: 27405
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.3 45.5
 170 22.3 21.6 32.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

Instrument :

BNA_E

ClientSampleId :

PB92482BL

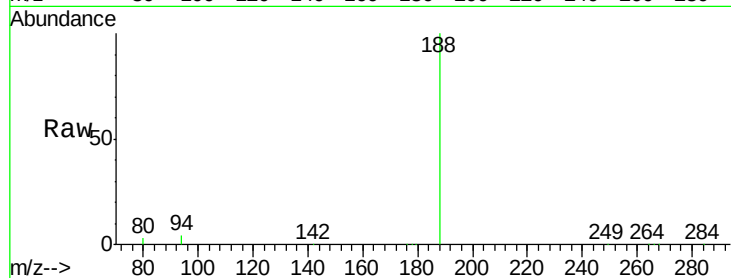
Tgt Ion:188 Resp: 55319

Ion Ratio Lower Upper

188 100

94 3.7 3.9 5.9#

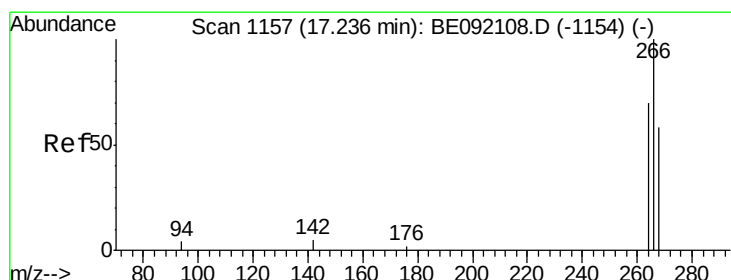
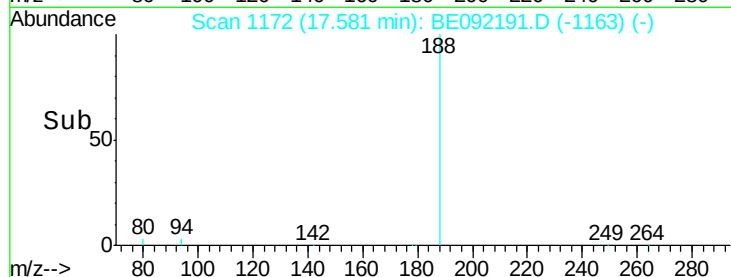
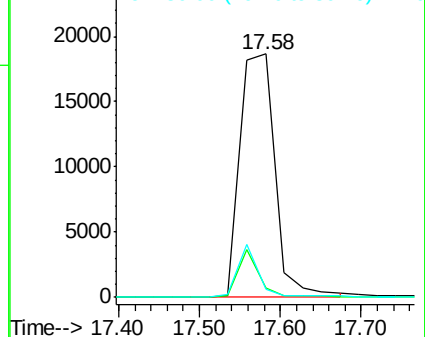
80 3.3 3.4 5.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Pentachlorophenol

Concen: 0.19 ng

RT: 17.26 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

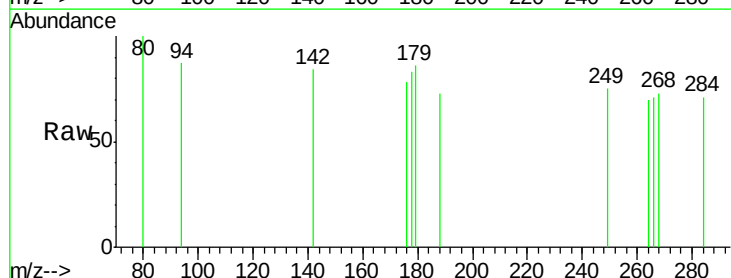
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

268 102.2 62.7 94.1#

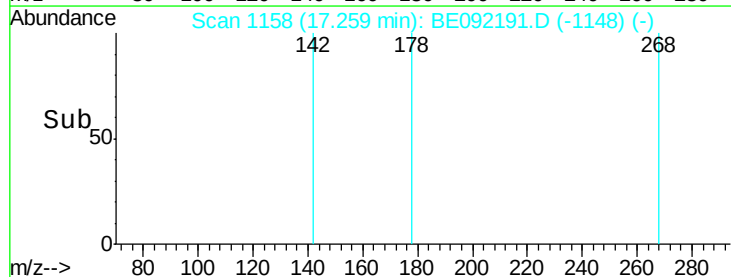
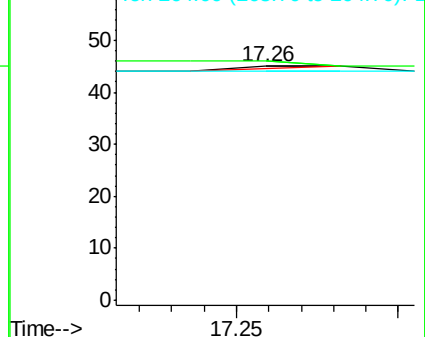
264 97.8 63.5 95.3#

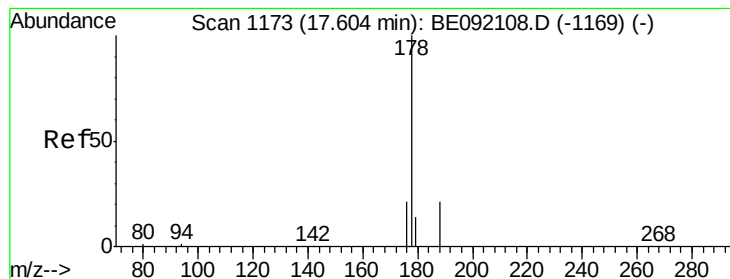


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#19

Phenanthrene

Concen: Below Cal

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

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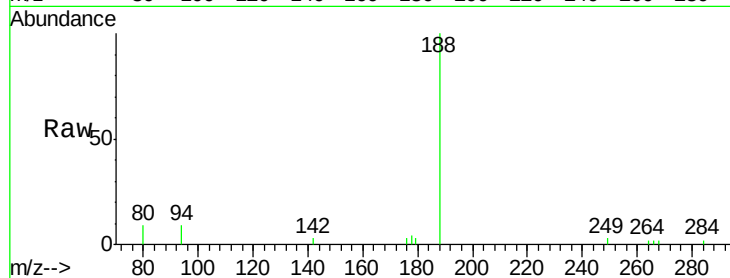
Tgt Ion:178 Resp: 69

Ion Ratio Lower Upper

178 100

176 8.7 15.4 23.0#

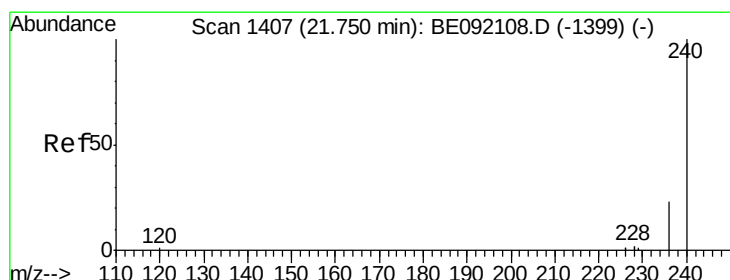
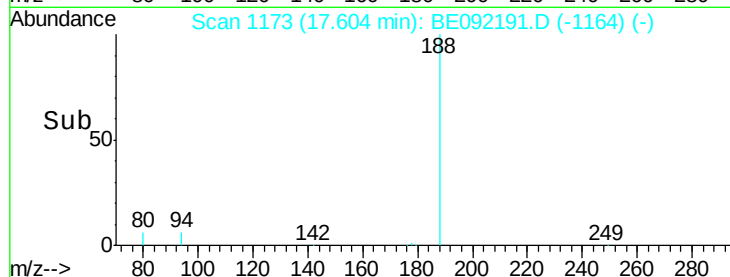
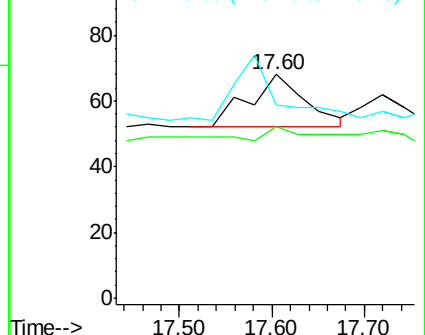
179 0.0 12.7 19.1#



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

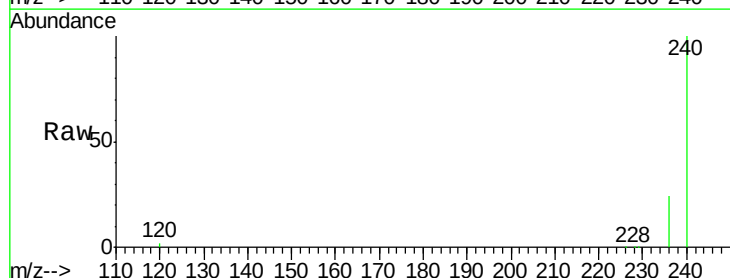
Tgt Ion:240 Resp: 65961

Ion Ratio Lower Upper

240 100

120 1.7 0.6 1.0#

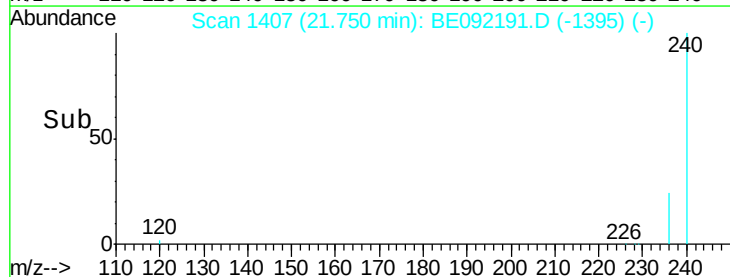
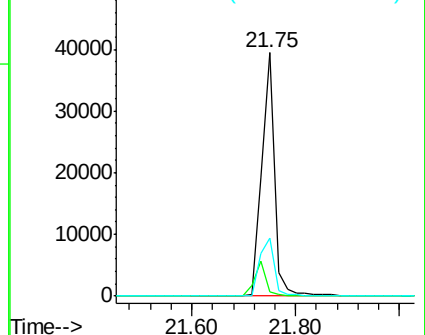
236 23.7 18.2 27.4

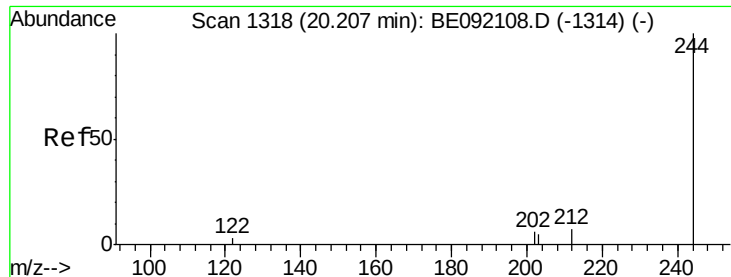


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 3.61 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

Instrument :

BNA_E

ClientSampleId :

PB92482BL

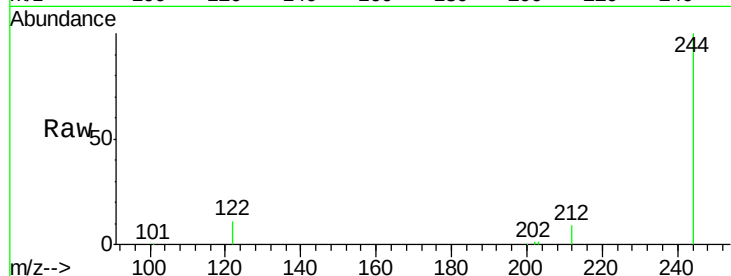
Tgt Ion:244 Resp: 34164

Ion Ratio Lower Upper

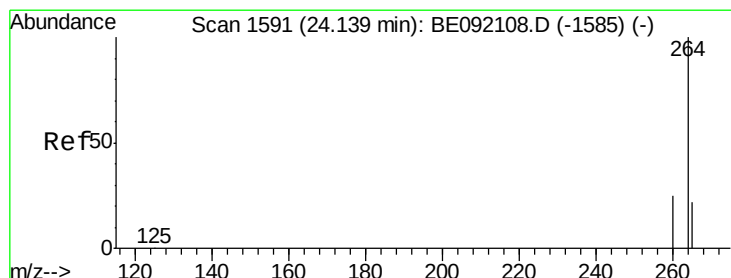
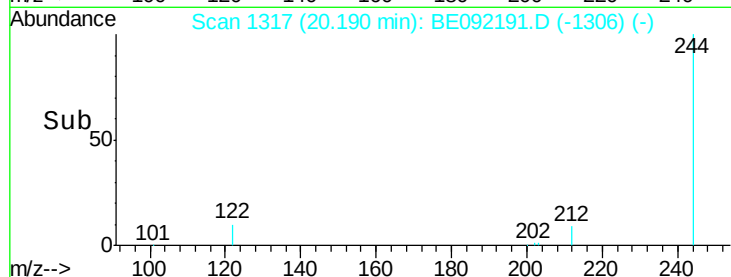
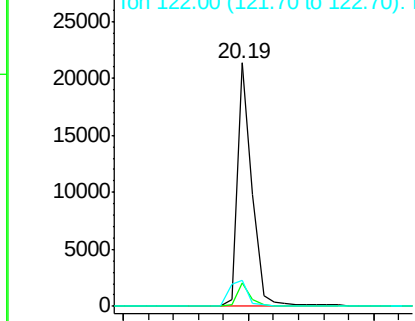
244 100

212 9.4 9.1 13.7

122 10.7 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092191.D

Acq: 4 Aug 2016 20:32

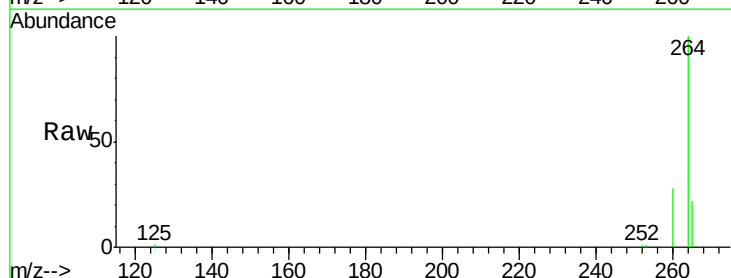
Tgt Ion:264 Resp: 46301

Ion Ratio Lower Upper

264 100

260 27.6 20.8 31.2

265 21.9 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

