

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030617\
 Data File : BE092791.D
 Acq On : 6 Mar 2017 17:38
 Operator : SJ/MA
 Sample : PB97289BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB97289BL

Quant Time: Mar 07 02:17:30 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 06 15:46:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	11453	5.00	ng	-0.02
7) Naphthalene-d8	10.87	136	44755	5.00	ng	-0.02
12) Acenaphthene-d10	14.76	164	21775	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	50762	5.00	ng	0.00
24) Chrysene-d12	21.68	240	63363	5.00	ng	-0.02
31) Perylene-d12	24.01	264	31327	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.60	112	20115	8.30	ng	-0.03
5) Phenol-d6	7.27	99	22713	7.87	ng	-0.05
8) Nitrobenzene-d5	9.27	82	10679	3.90	ng	-0.05
13) 2,4,6-Tribromophenol	16.26	330	4543	7.93	ng	-0.02
14) 2-Fluorobiphenyl	13.37	172	23473	4.57	ng	-0.02
26) Terphenyl-d14	20.12	244	31728	4.15	ng	-0.02

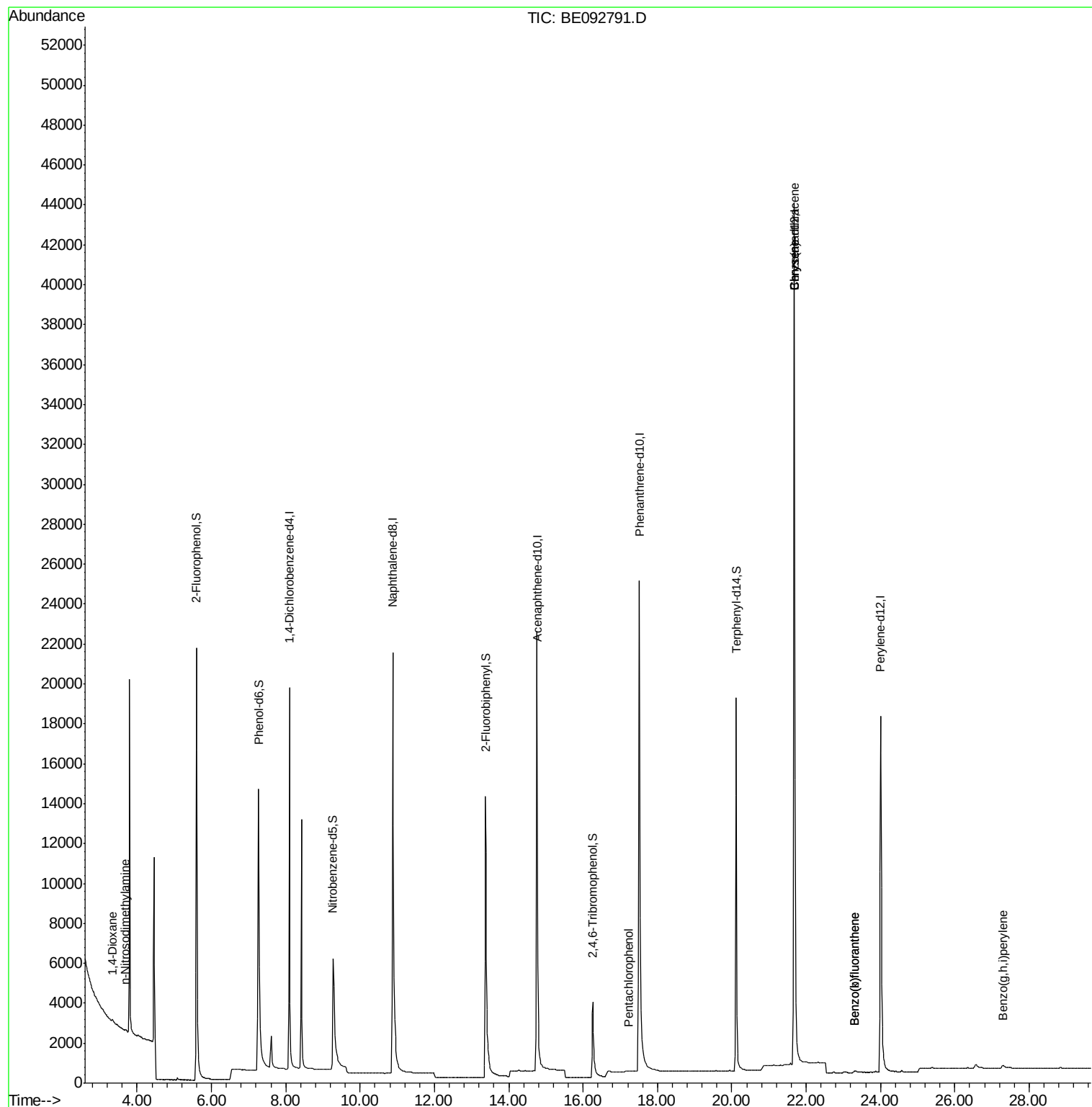
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	231	0.06	ng	# 1
3) n-Nitrosodimethylamine	3.69	42	43	0.02	ng	# 4
20) Pentachlorophenol	17.23	266	30	0.12	ng	# 76
27) Benzo(a)anthracene	21.68	228	1204	0.09	ng	# 66
28) Chrysene	21.68	228	1214	0.02	ng	# 68
29) Bis(2-ethylhexyl)phthalate	21.59	149	175	Below Cal		# 84
32) Benzo(b)fluoranthene	23.30	252	371	0.04	ng	# 1
33) Benzo(k)fluoranthene	23.30	252	371	0.04	ng	# 1
36) Benzo(g,h,i)perylene	27.30	276	707	0.02	ng	# 1

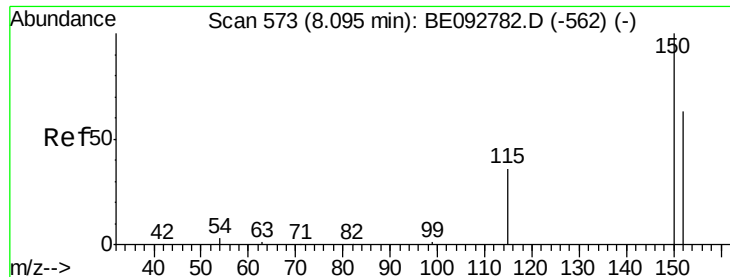
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

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Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL

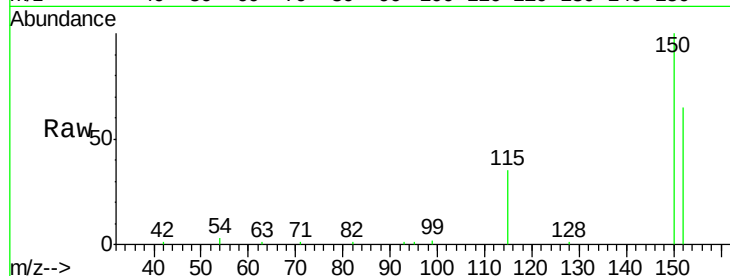
Tgt Ion:152 Resp: 11453

Ion Ratio Lower Upper

152 100

150 152.9 106.0 159.0

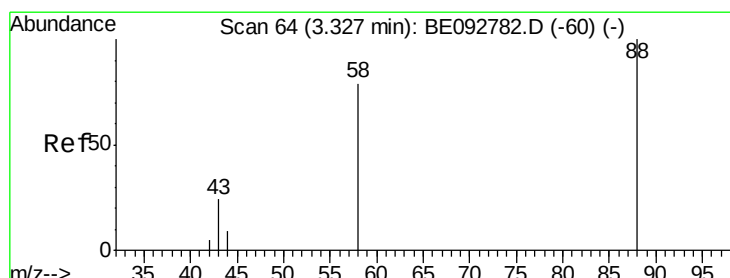
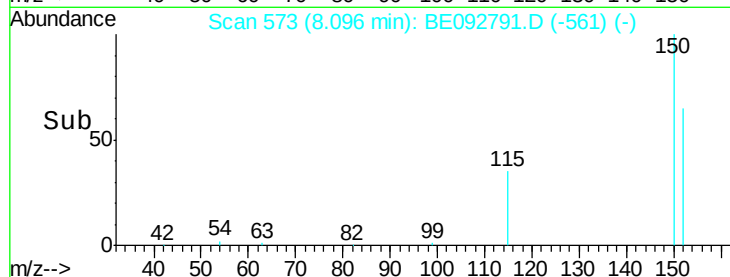
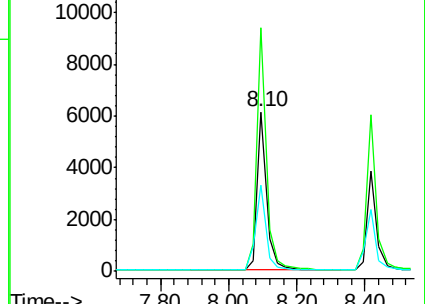
115 53.9 31.2 46.8#



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: 0.06 ng

RT: 3.34 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

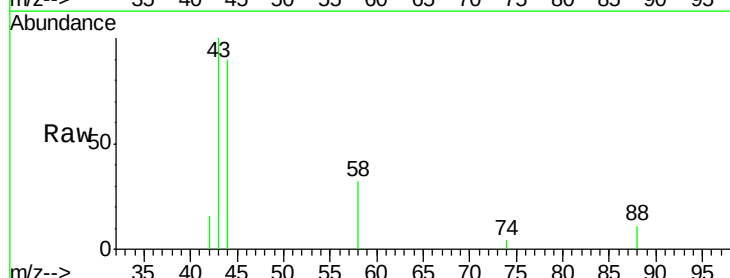
Tgt Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

58 233.8 63.6 95.4#

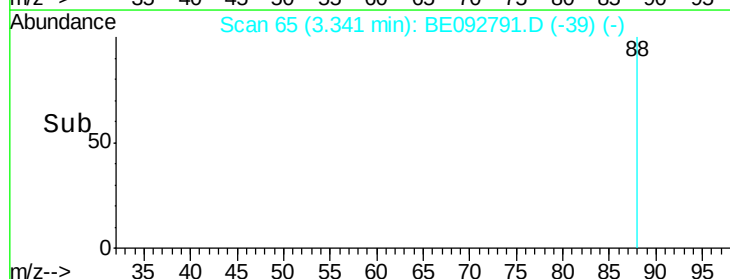
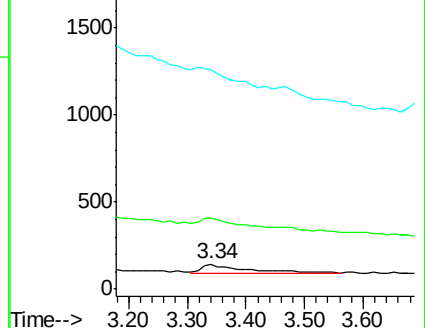
43 0.0 28.0 42.0#

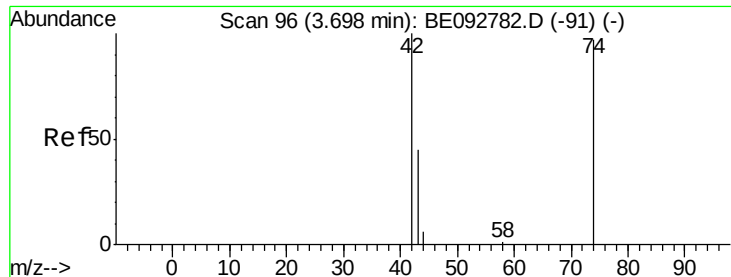


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.69 min Scan# 95

Delta R.T. -0.05 min

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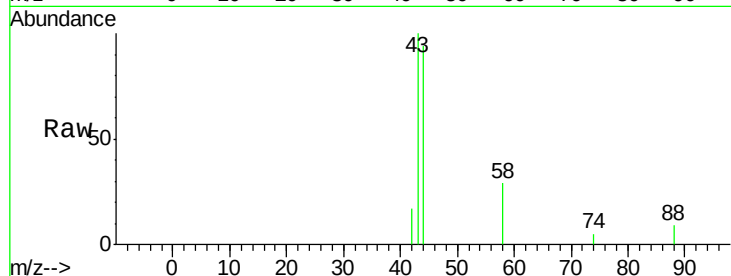
Tgt Ion: 42 Resp: 43

Ion Ratio Lower Upper

42 100

74 2.3 86.0 129.0#

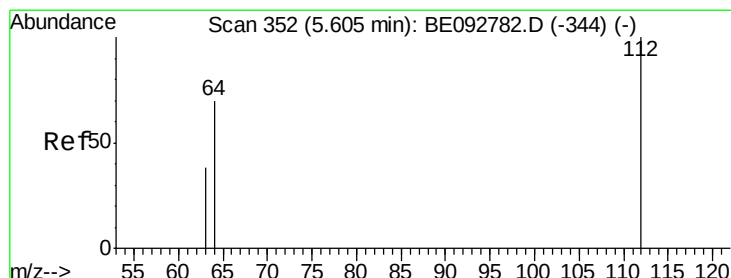
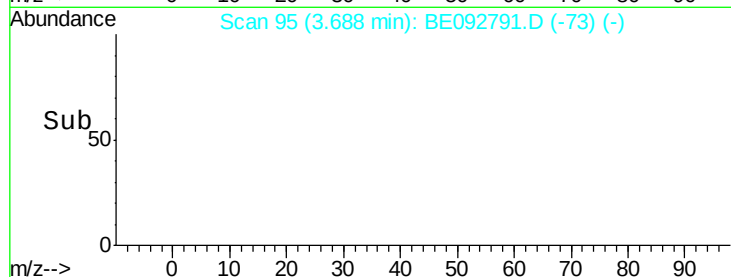
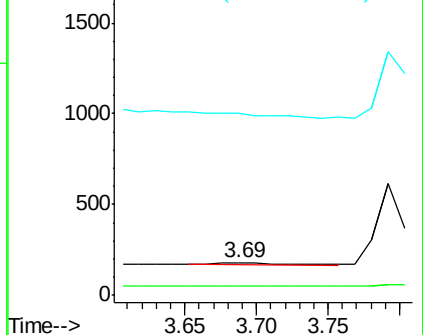
44 0.0 5.1 7.7#



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: 8.30 ng

RT: 5.60 min Scan# 351

Delta R.T. -0.03 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

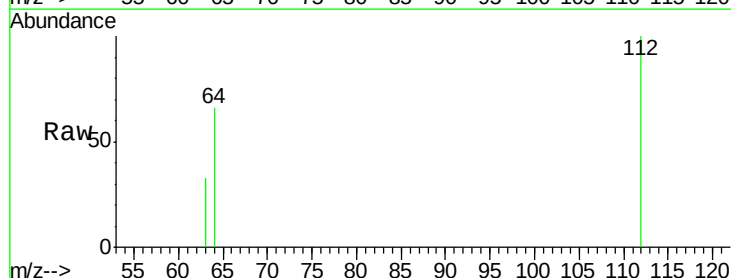
Tgt Ion: 112 Resp: 20115

Ion Ratio Lower Upper

112 100

64 68.4 53.5 80.3

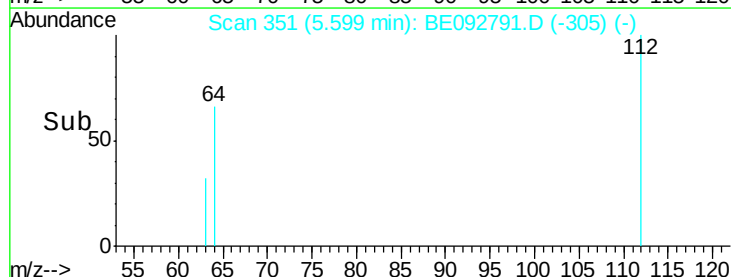
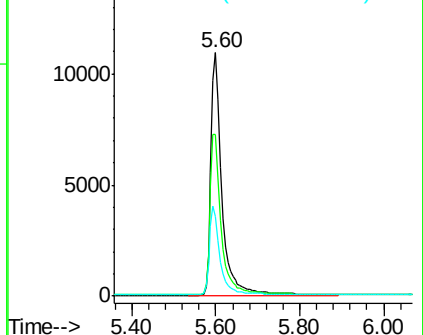
63 36.3 27.9 41.9

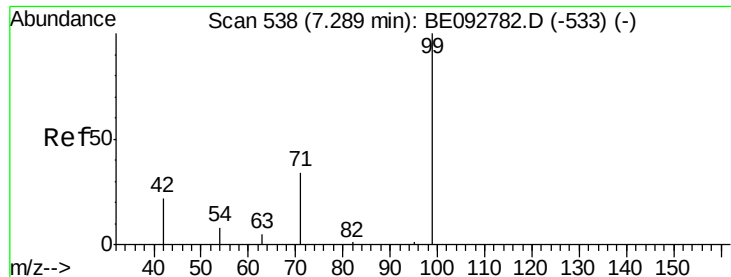


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.87 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL

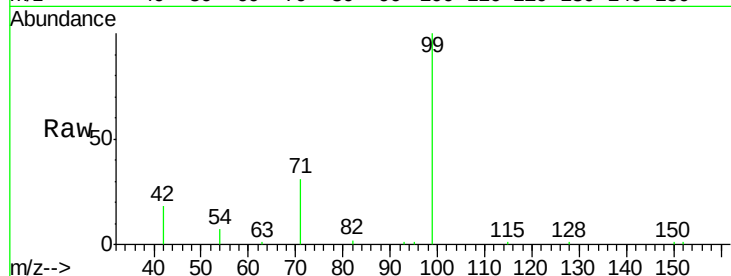
Tgt Ion: 99 Resp: 22713

Ion Ratio Lower Upper

99 100

42 23.9 16.0 24.0

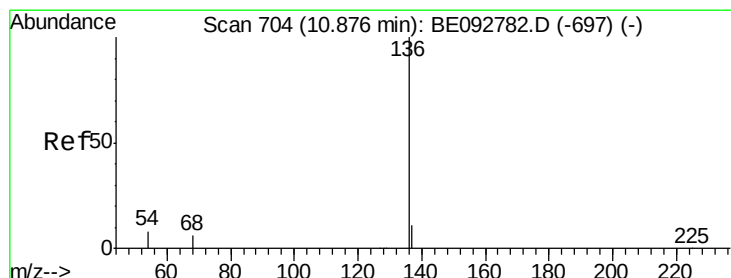
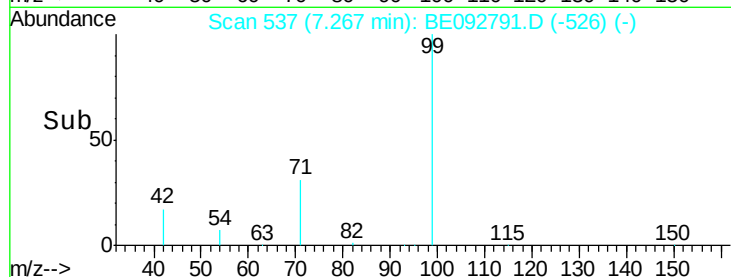
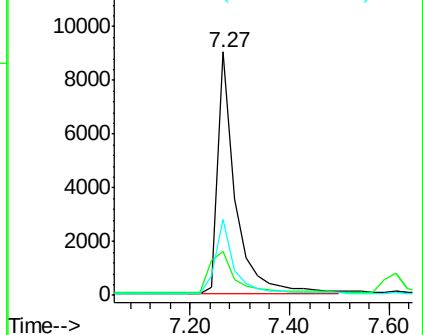
71 32.8 30.6 45.8



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.87 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

Tgt Ion: 136 Resp: 44755

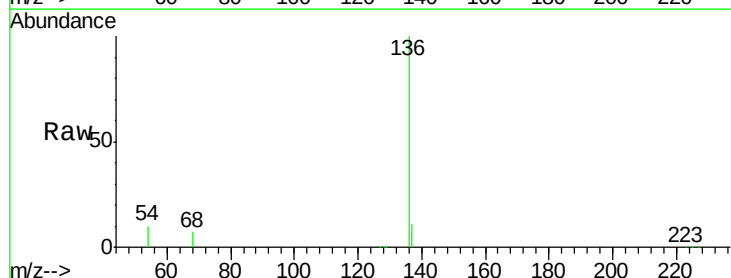
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 10.3 9.6 14.4

68 7.2 6.7 10.1

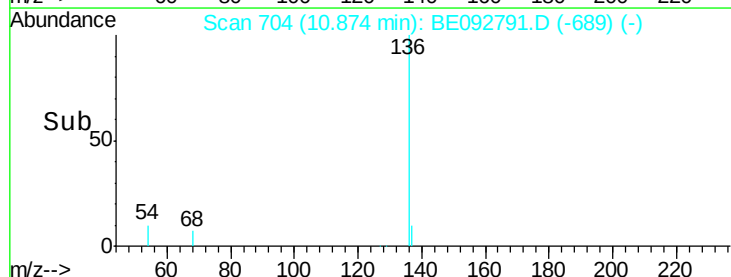
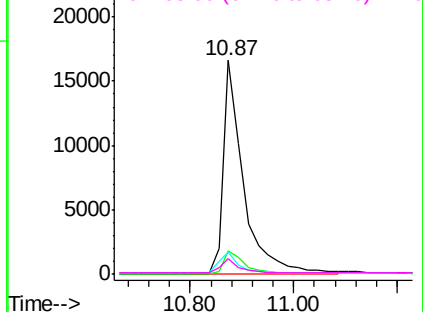


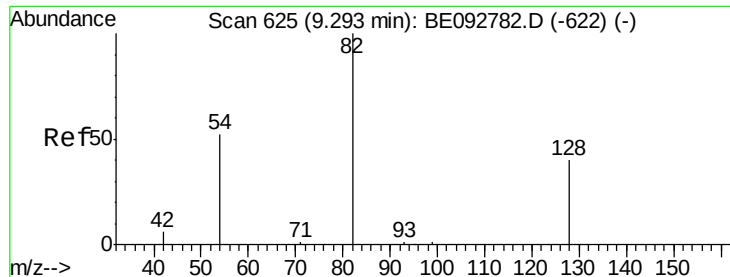
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 3.90 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL

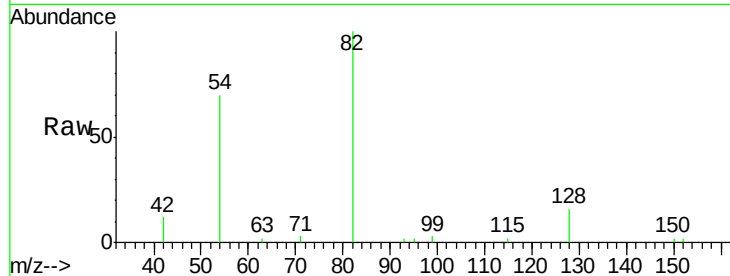
Tgt Ion: 82 Resp: 10679

Ion Ratio Lower Upper

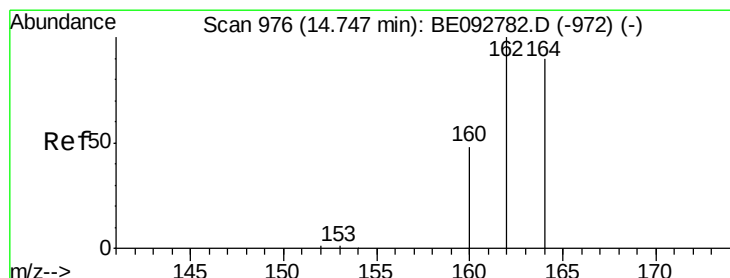
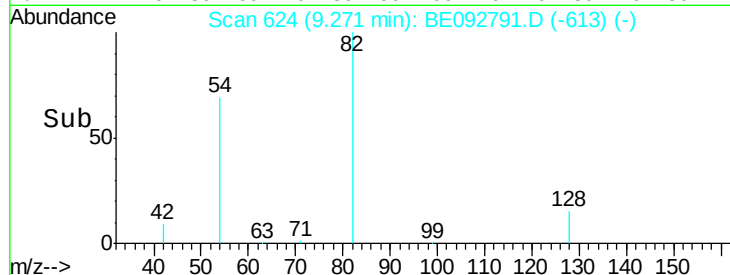
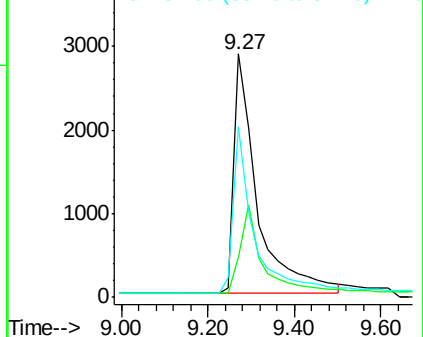
82 100

128 16.3 39.0 58.4#

54 70.0 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.76 min Scan# 977

Delta R.T. 0.00 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

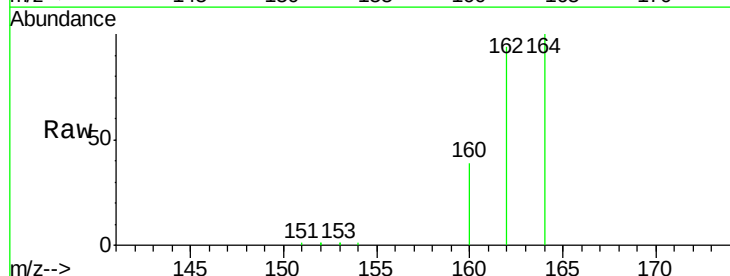
Tgt Ion: 164 Resp: 21775

Ion Ratio Lower Upper

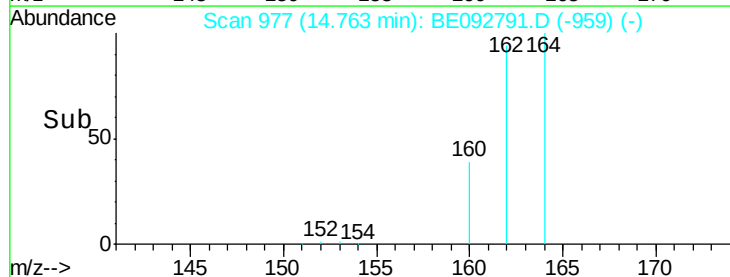
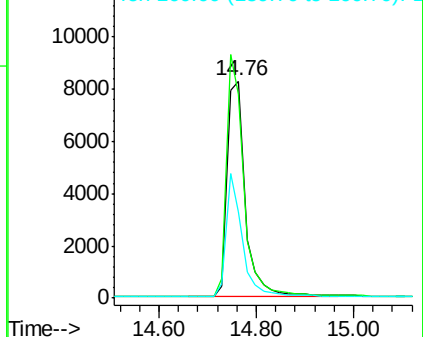
164 100

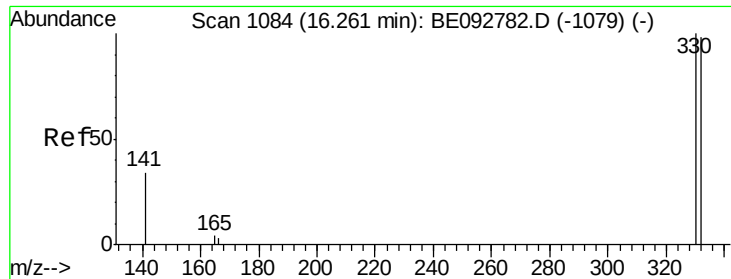
162 93.8 71.4 107.0

160 39.5 27.4 41.2



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

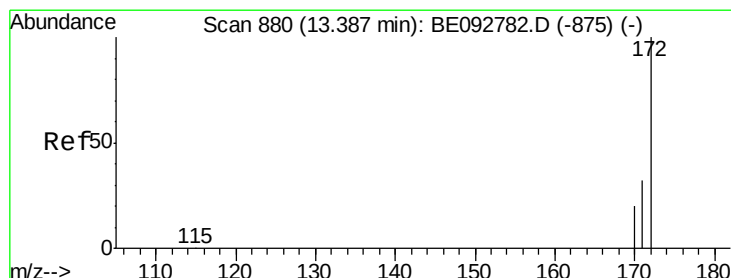
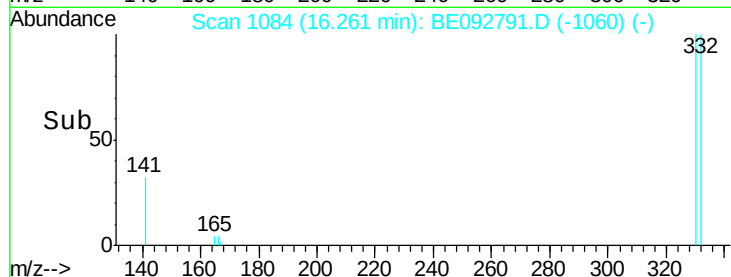
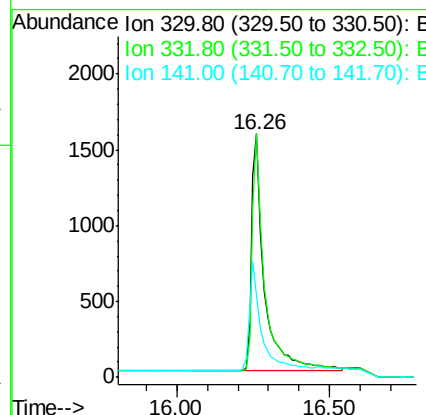
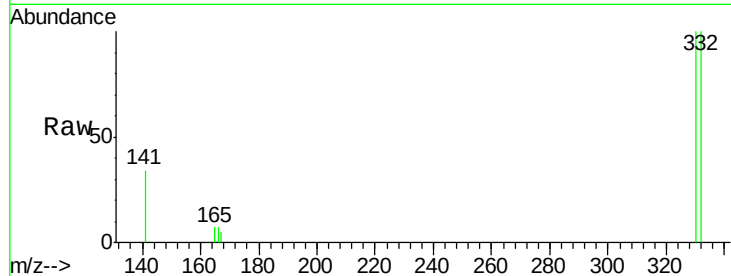




#13
 2,4,6-Tribromophenol
 Concen: 7.93 ng
 RT: 16.26 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BE092791.D
 Acq: 6 Mar 2017 17:38

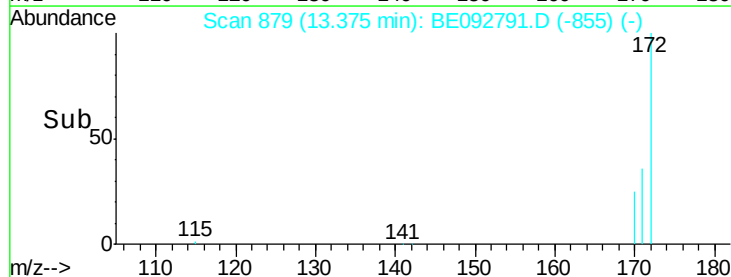
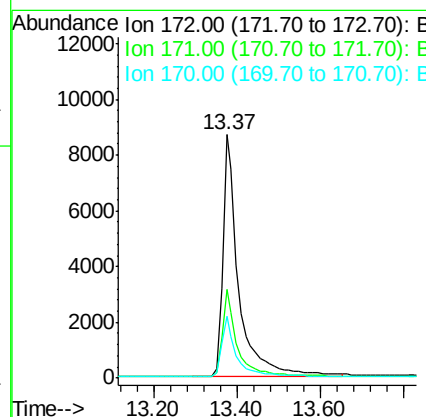
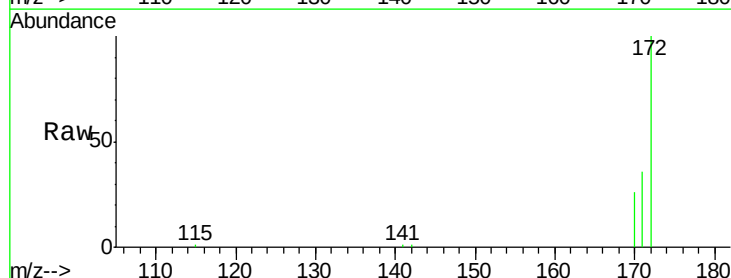
Instrument :
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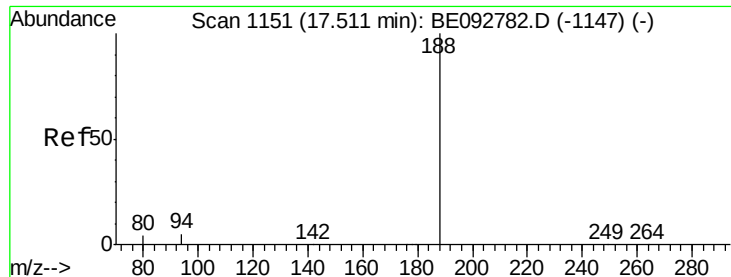
Tgt Ion: 330 Resp: 4543
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.0
 141 42.6 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.57 ng
 RT: 13.37 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092791.D
 Acq: 6 Mar 2017 17:38

Tgt Ion: 172 Resp: 23473
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.1 45.1
 170 25.6 21.8 32.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.51 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL

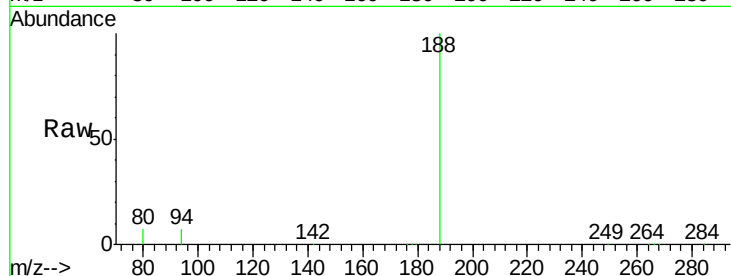
Tgt Ion:188 Resp: 50762

Ion Ratio Lower Upper

188 100

94 7.3 3.2 4.8#

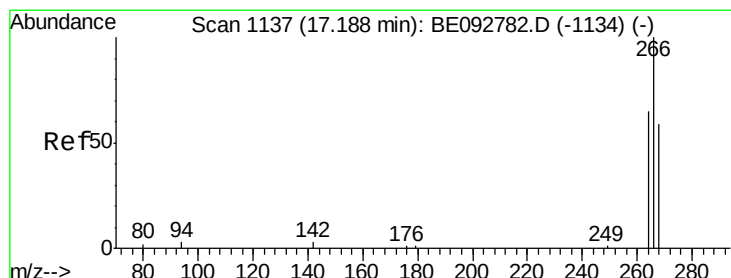
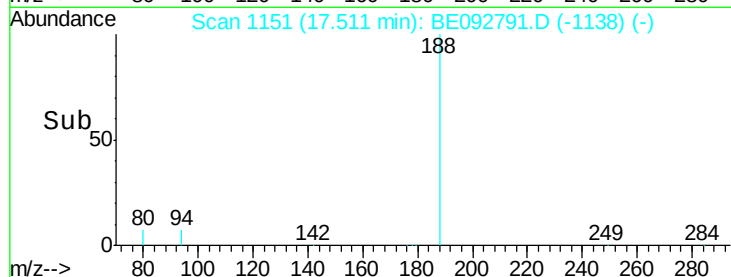
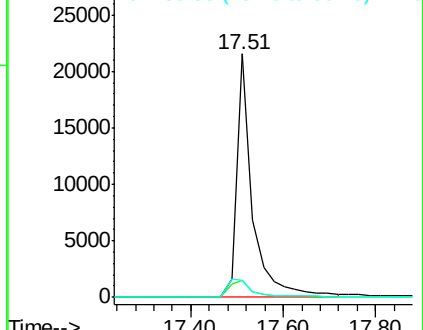
80 7.2 2.6 3.8#



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



#20

Pentachlorophenol

Concen: 0.12 ng

RT: 17.23 min Scan# 1139

Delta R.T. -0.07 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

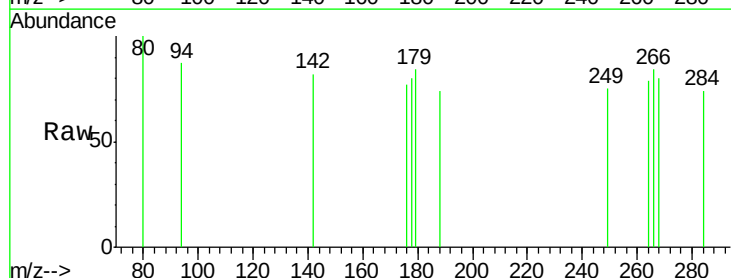
Tgt Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

268 96.1 62.5 93.7#

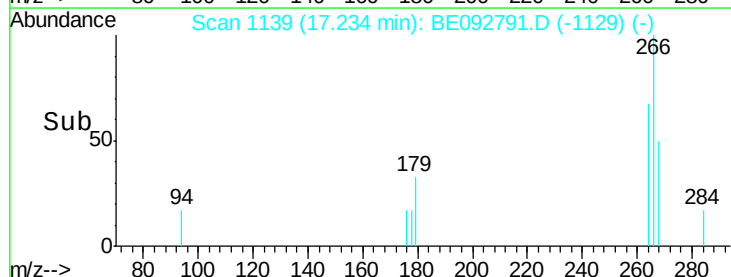
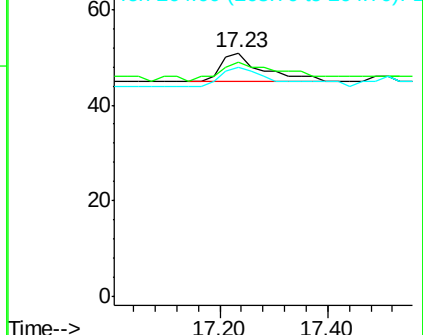
264 94.1 57.2 85.8#

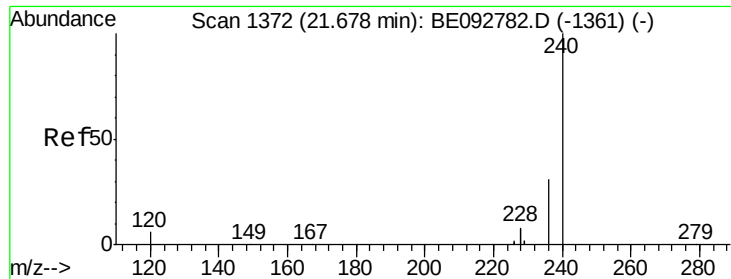


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

Lab File: BE092791.D

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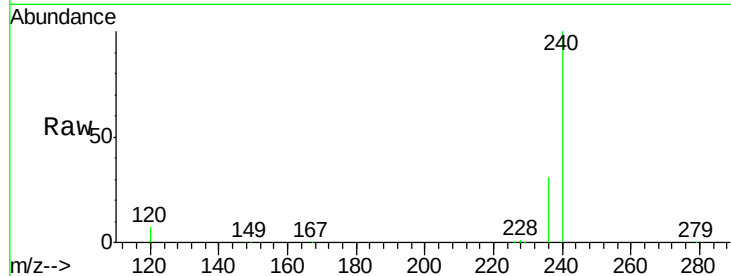
Tgt Ion:240 Resp: 63363

Ion Ratio Lower Upper

240 100

120 7.0 2.6 4.0#

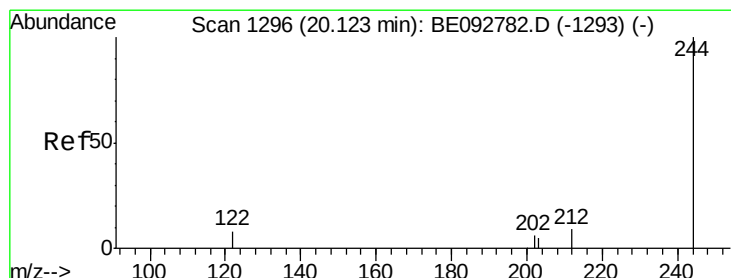
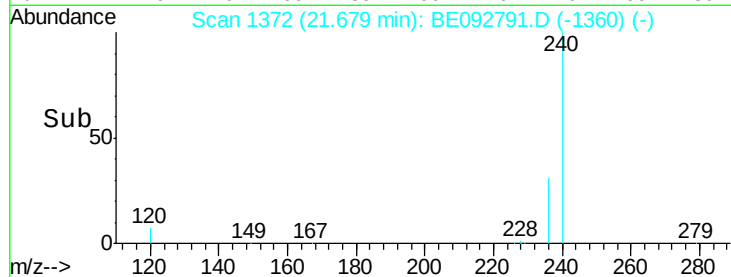
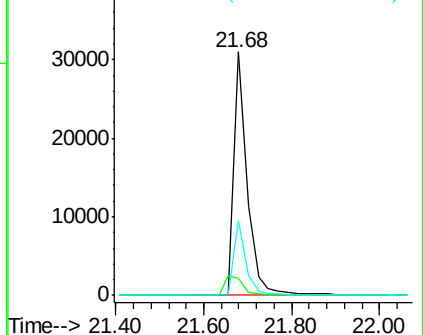
236 30.8 24.6 37.0



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



#26

Terphenyl-d14

Concen: 4.15 ng

RT: 20.12 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

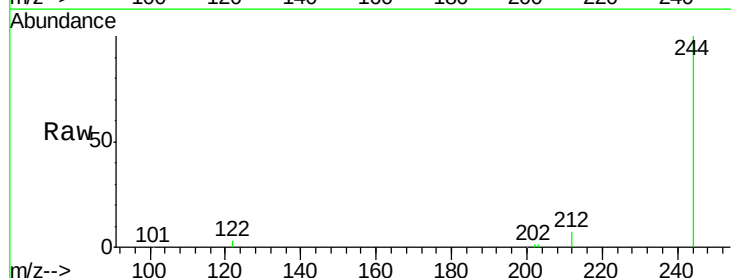
Tgt Ion:244 Resp: 31728

Ion Ratio Lower Upper

244 100

212 7.5 6.7 10.1

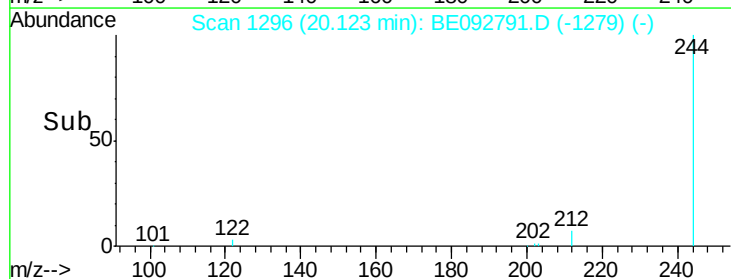
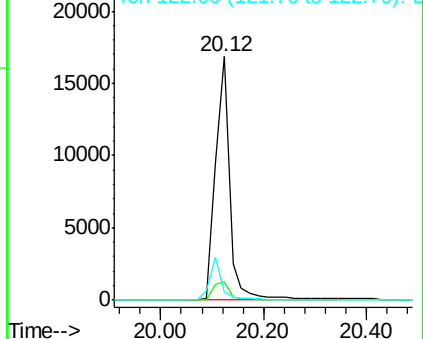
122 3.4 3.6 5.4#

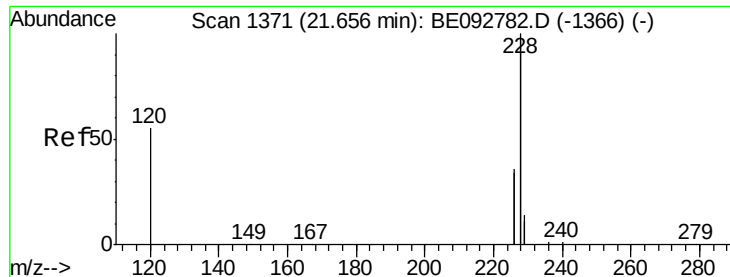


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.68 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL

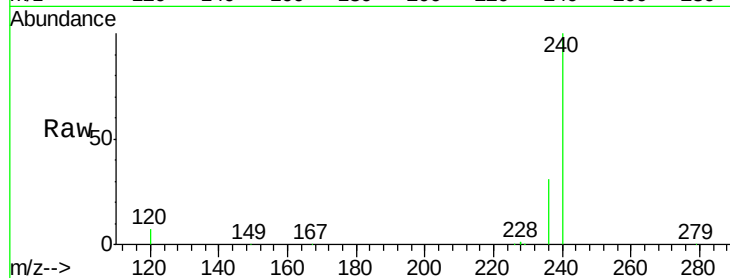
Tgt Ion:228 Resp: 1204

Ion Ratio Lower Upper

228 100

226 35.5 23.6 35.4#

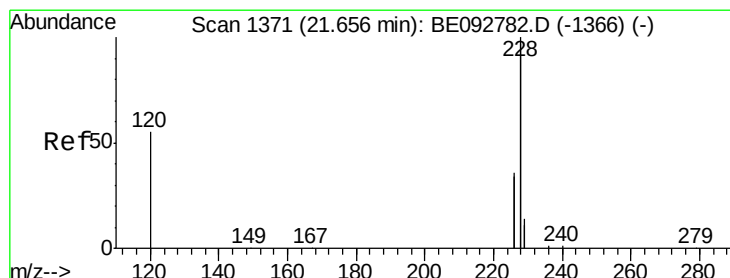
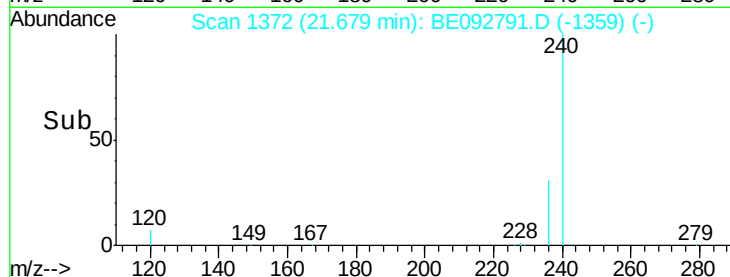
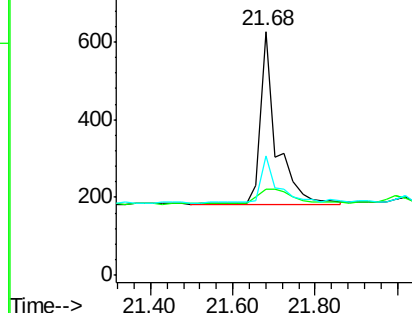
229 49.2 13.3 19.9#



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



#28

Chrysene

Concen: 0.02 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.04 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

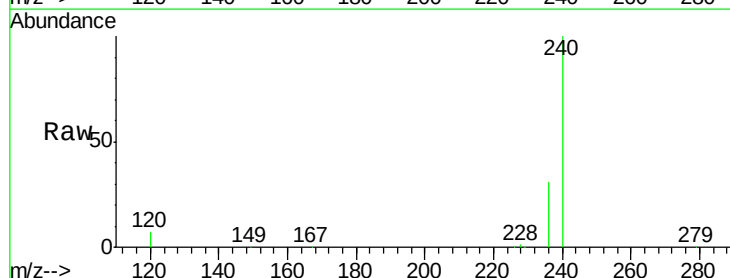
Tgt Ion:228 Resp: 1214

Ion Ratio Lower Upper

228 100

226 35.5 36.3 54.5#

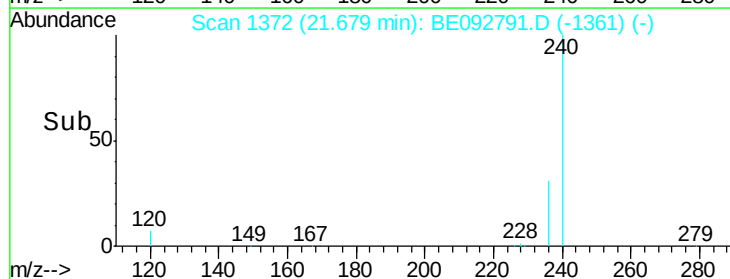
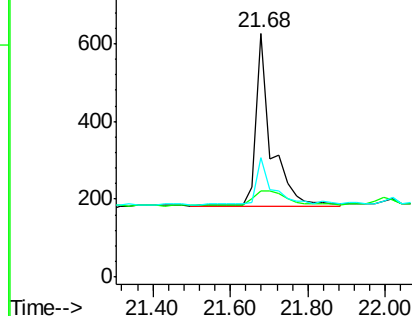
229 49.2 10.6 16.0#

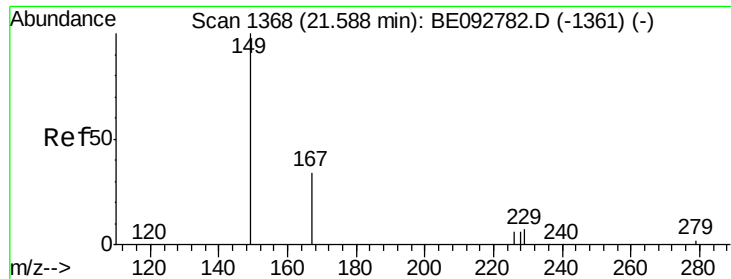


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.59 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL

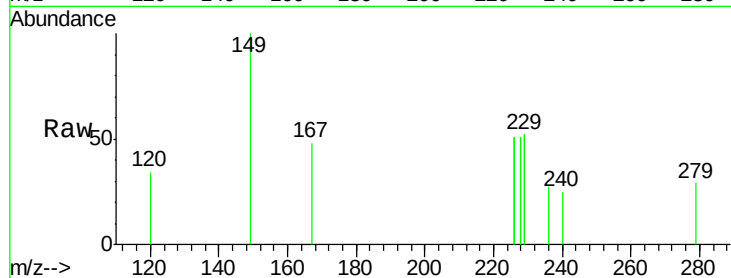
Tgt Ion:149 Resp: 175

Ion Ratio Lower Upper

149 100

167 30.9 16.0 24.0#

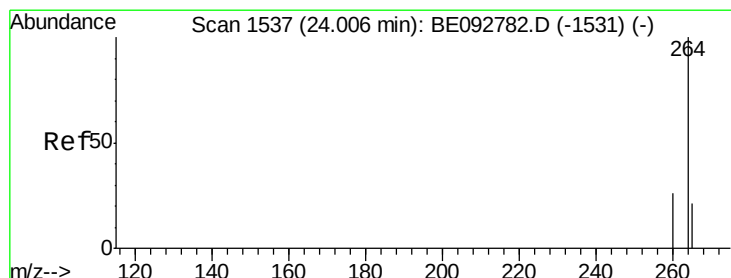
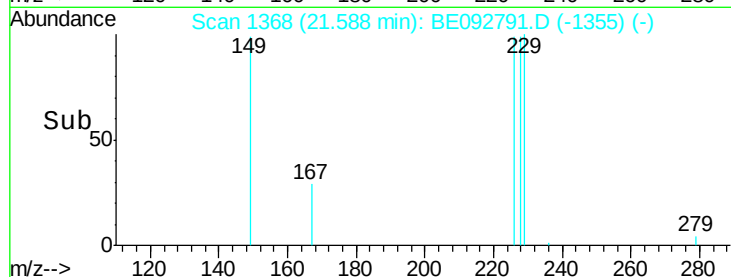
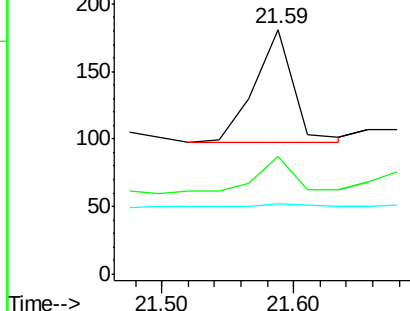
279 16.6 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.01 min Scan# 1537

Delta R.T. -0.02 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

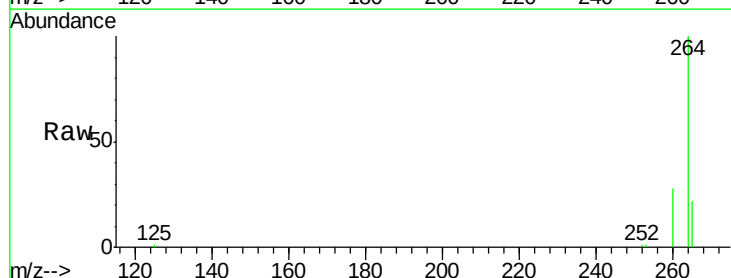
Tgt Ion:264 Resp: 31327

Ion Ratio Lower Upper

264 100

260 28.5 20.1 30.1

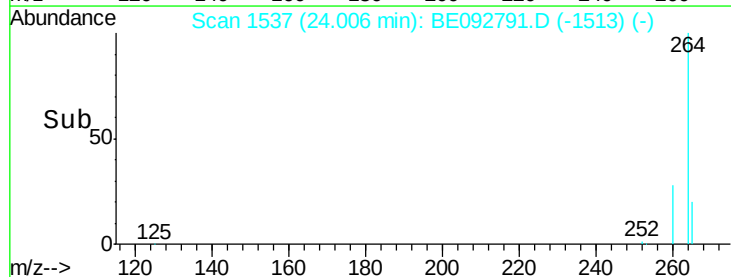
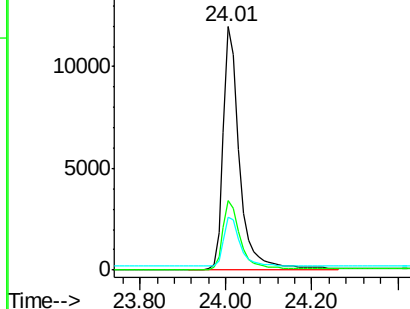
265 22.0 17.9 26.9

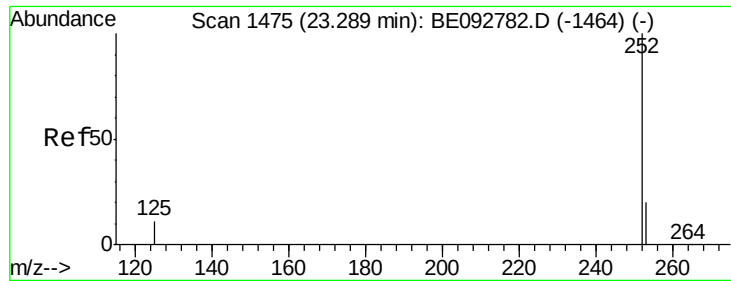


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#32

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL

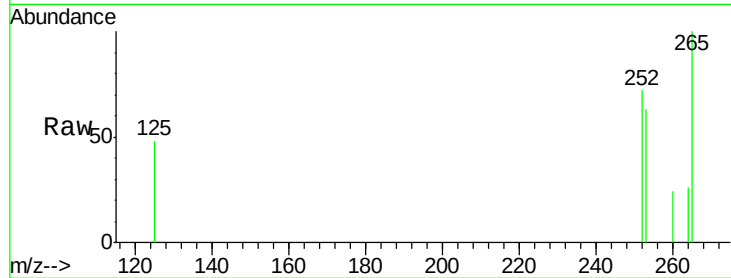
Tgt Ion: 252 Resp: 371

Ion Ratio Lower Upper

252 100

253 87.3 18.7 28.1#

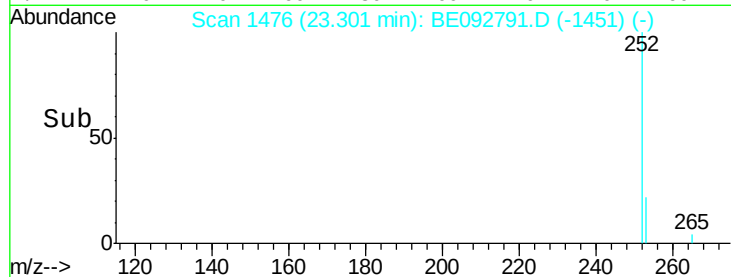
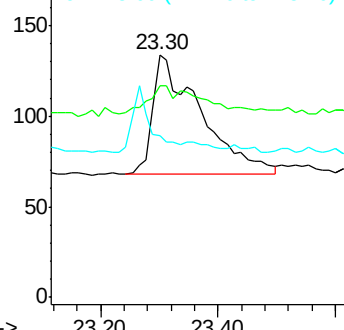
125 66.4 10.5 15.7#



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



#33

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 23.30 min Scan# 1476

Delta R.T. -0.06 min

Lab File: BE092791.D

Acq: 6 Mar 2017 17:38

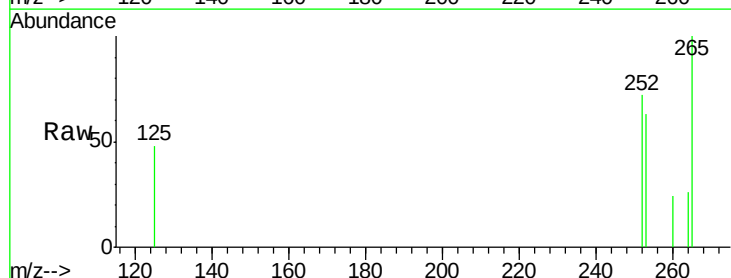
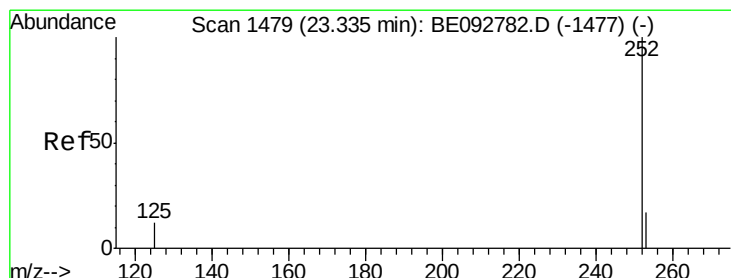
Tgt Ion: 252 Resp: 371

Ion Ratio Lower Upper

252 100

253 87.3 20.3 30.5#

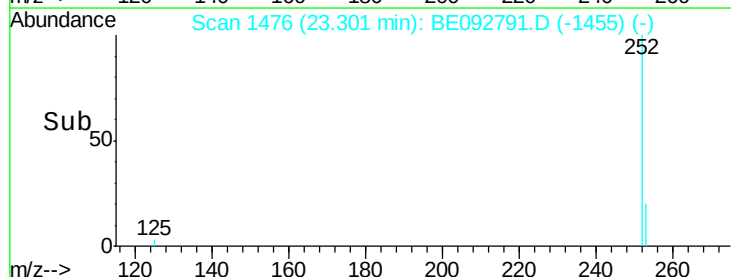
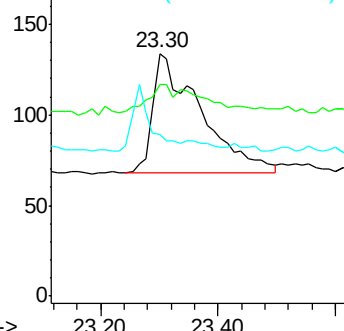
125 66.4 9.6 14.4#

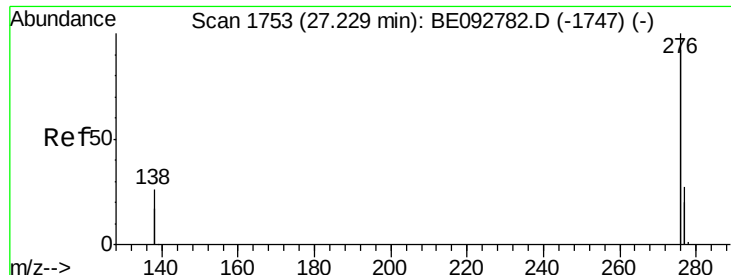


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.30 min Scan# 1757

Delta R.T. 0.05 min

Lab File: BE092791.D

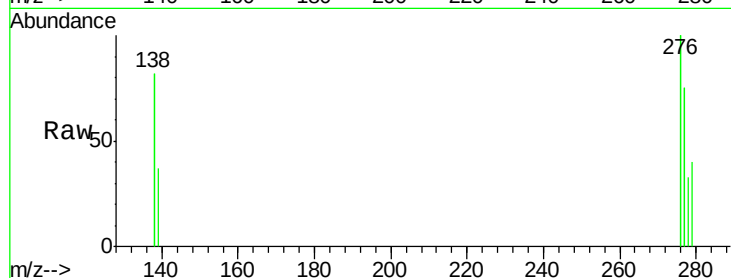
Acq: 6 Mar 2017 17:38

Instrument :

BNA_E

ClientSampleId :

PB97289BL



Tgt Ion: 276 Resp: 707

Ion Ratio Lower Upper

276 100

277 75.0 19.8 29.8#

138 81.9 19.8 29.6#

