

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
 Data File : BE091630.D
 Acq On : 11 Apr 2016 16:12
 Operator : UM/SJ
 Sample : PB89409BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB89409BL

Quant Time: Apr 12 02:04:49 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

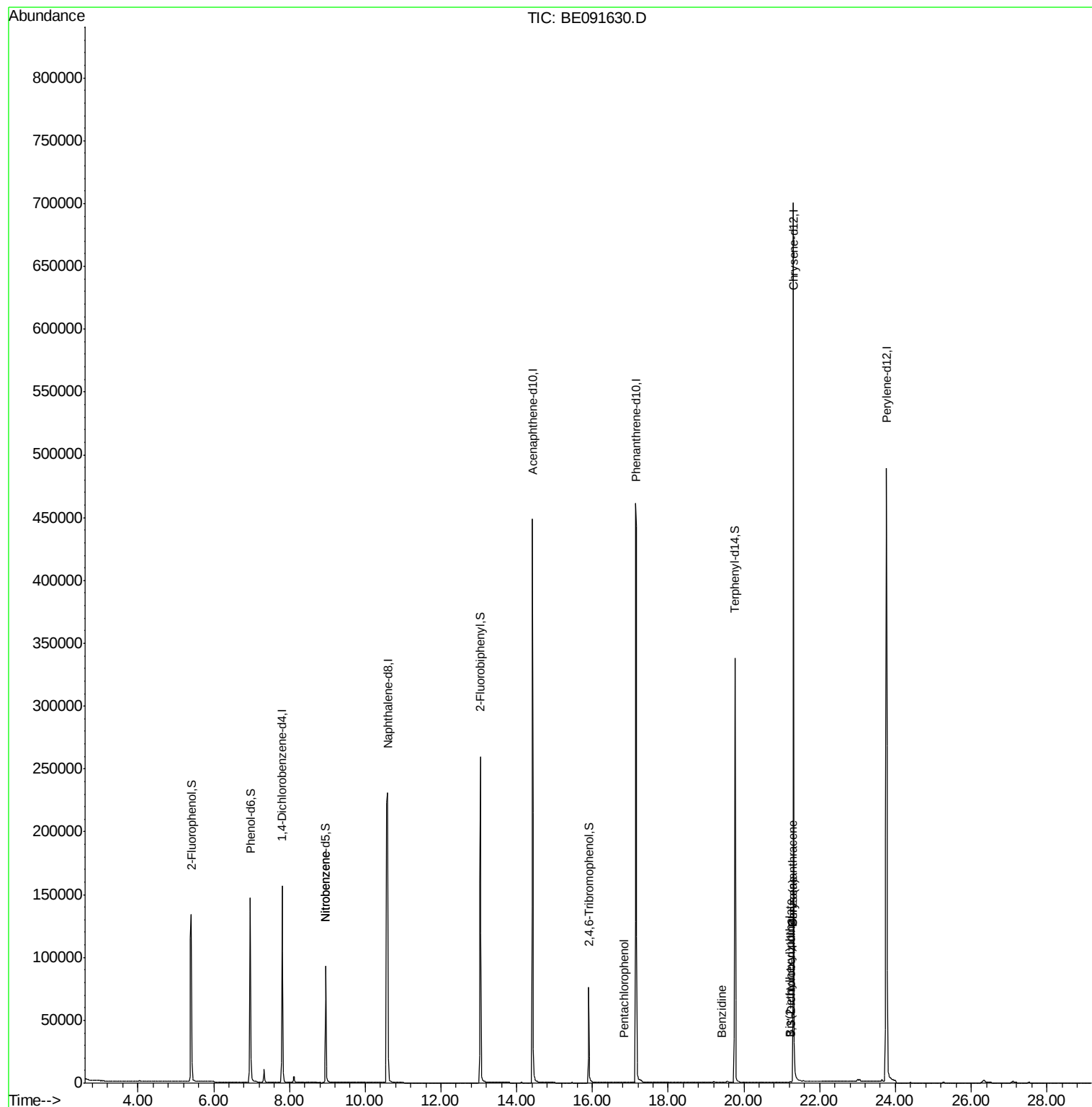
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	90690	5.00	ng	-0.02
7) Naphthalene-d8	10.59	136	443603	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	270936	5.00	ng	0.00
19) Phenanthrene-d10	17.16	188	676993	5.00	ng	0.00
26) Chrysene-d12	21.31	240	827310	5.00	ng	0.00
35) Perylene-d12	23.76	264	742735	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	133726	6.18	ng	0.00
5) Phenol-d6	6.97	99	204423	7.08	ng	0.00
8) Nitrobenzene-d5	8.96	82	88096	3.42	ng	0.00
14) 2,4,6-Tribromophenol	15.91	330	63667	6.47	ng	0.00
15) 2-Fluorobiphenyl	13.05	172	262344	3.48	ng	0.00
29) Terphenyl-d14	19.76	244	416235	4.03	ng	0.00
Target Compounds						
9) Nitrobenzene	8.96	77	346	0.18	ng	# 35
22) Pentachlorophenol	16.83	266	87	0.23	ng	# 78
27) Benzidine	19.42	184	248	0.33	ng	# 31
30) Benzo(a)anthracene	21.29	228	9386	0.05	ng	99
31) 3,3'-Dichlorobenzidine	21.24	252	210	0.17	ng	# 69
32) Chrysene	21.29	228	9437	0.06	ng	96
33) Bis(2-ethylhexyl)phthalate	21.22	149	513	0.27	ng	# 91

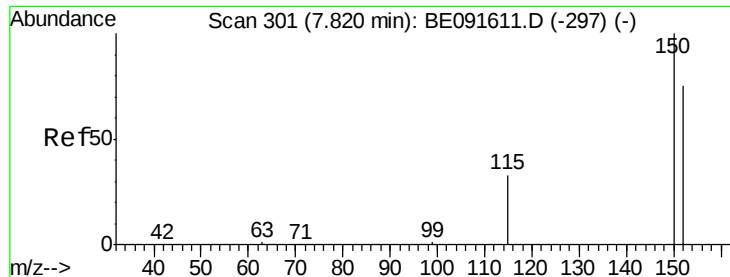
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091630.D

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Instrument :

BNA_E

ClientSampleId :

PB89409BL

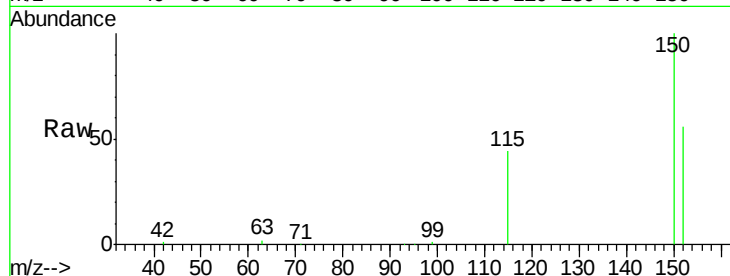
Tgt Ion:152 Resp: 90690

Ion Ratio Lower Upper

152 100

150 179.3 122.6 183.8

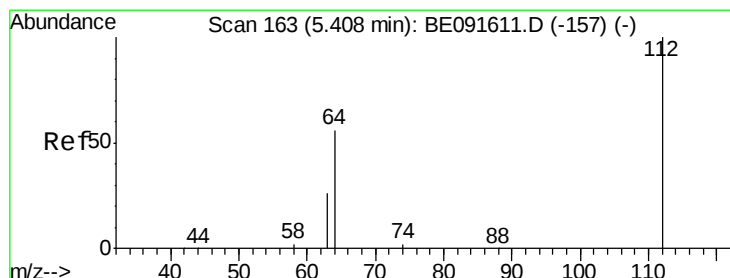
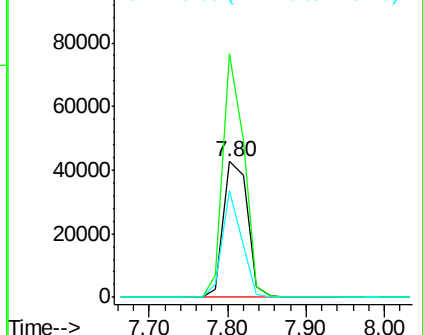
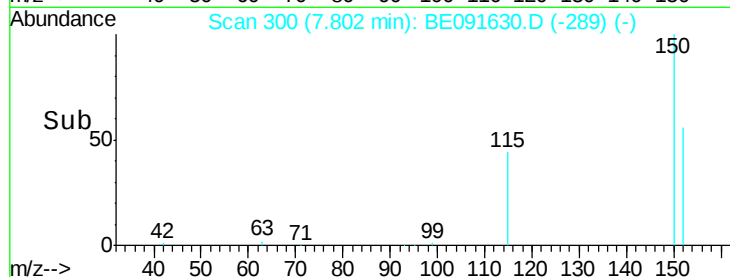
115 78.6 52.8 79.2



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



#4

2-Fluorophenol

Concen: 6.18 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

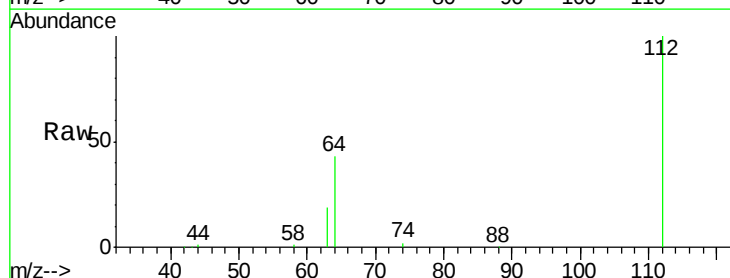
Tgt Ion:112 Resp: 133726

Ion Ratio Lower Upper

112 100

64 67.7 30.9 46.3#

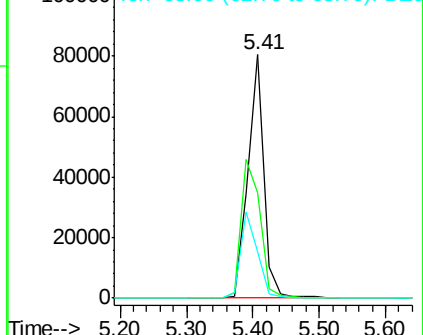
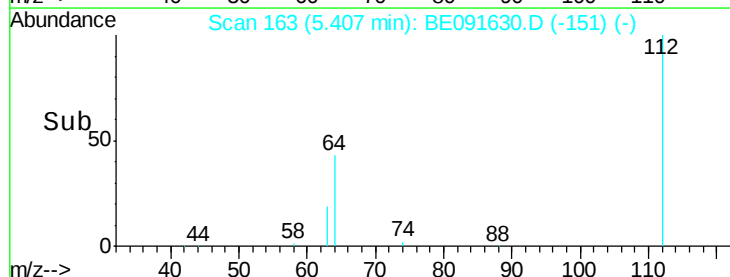
63 37.1 16.7 25.1#

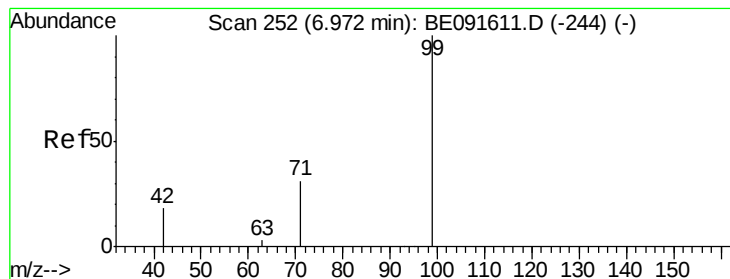


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.08 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

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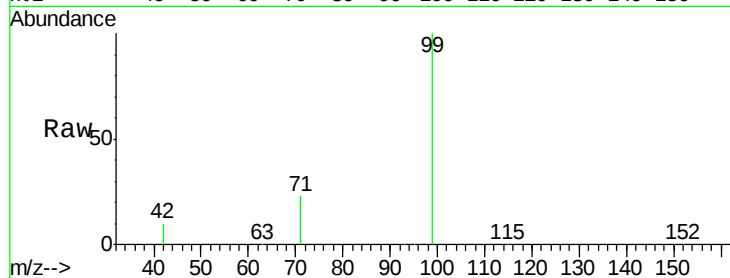
Tgt Ion: 99 Resp: 204423

Ion Ratio Lower Upper

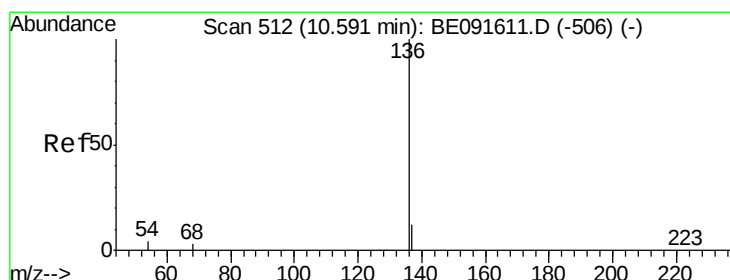
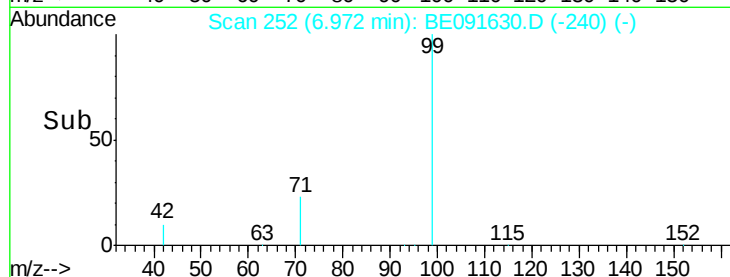
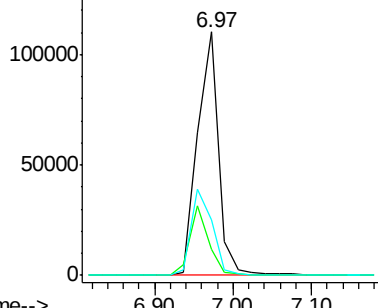
99 100

42 25.4 16.2 24.2#

71 36.0 29.0 43.4



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: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

Tgt Ion: 136 Resp: 443603

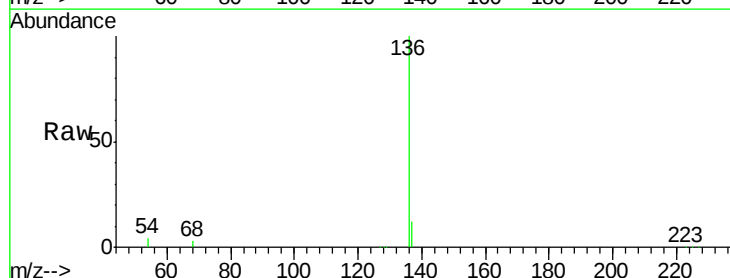
Ion Ratio Lower Upper

136 100

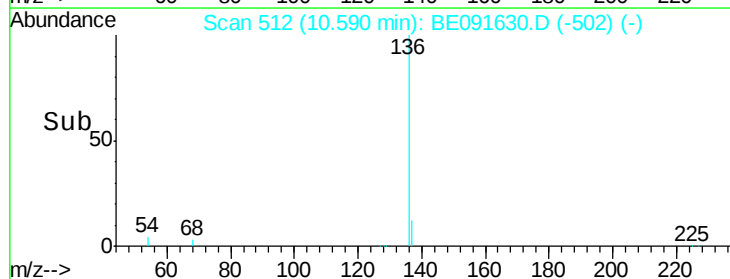
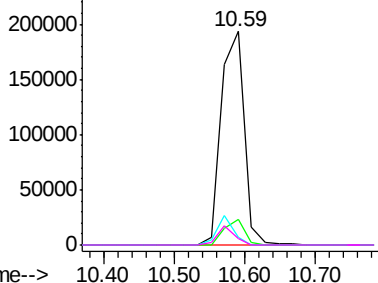
137 12.2 8.9 13.3

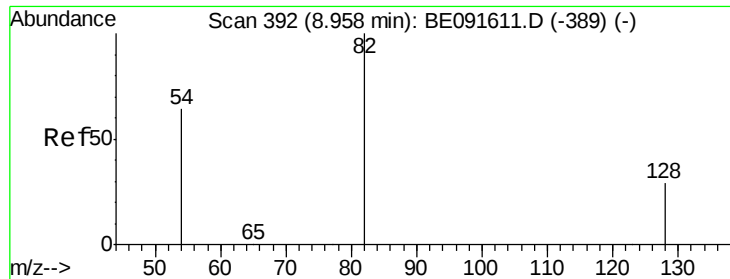
54 3.9 8.2 12.4#

68 3.2 6.2 9.4#



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

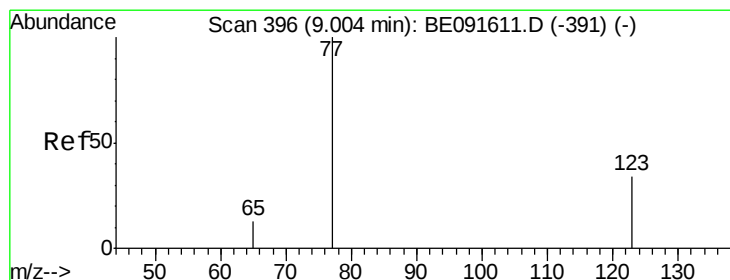
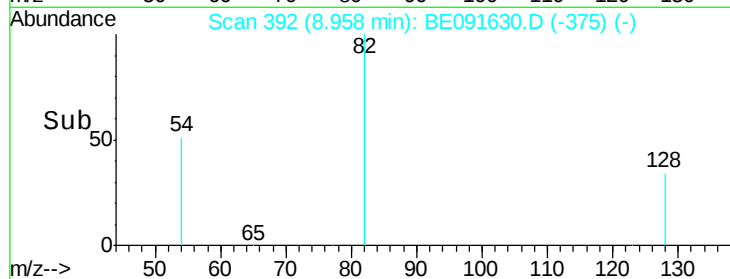
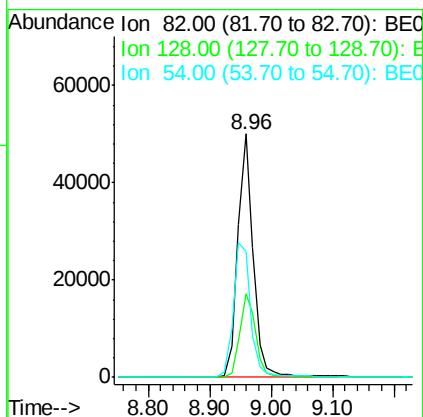
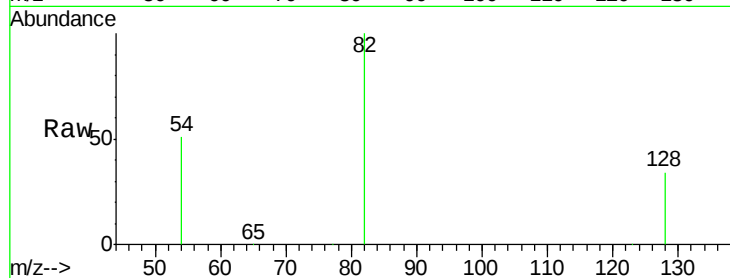




#8
Nitrobenzene-d5
Concen: 3.42 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE091630.D
Acq: 11 Apr 2016 16:12

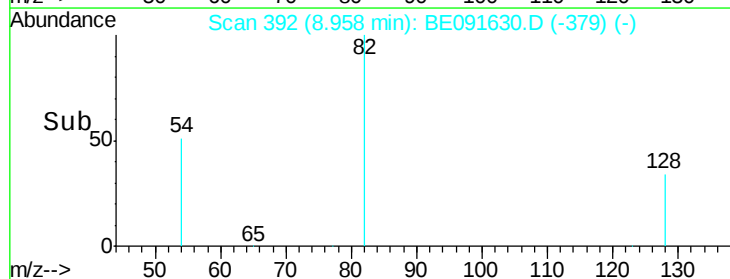
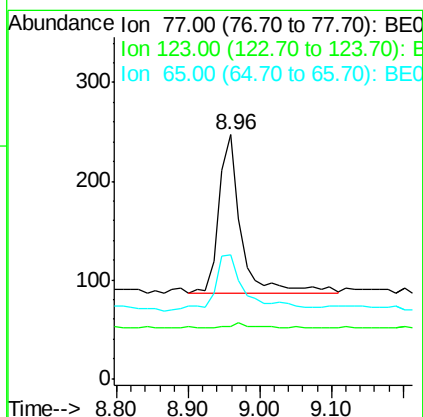
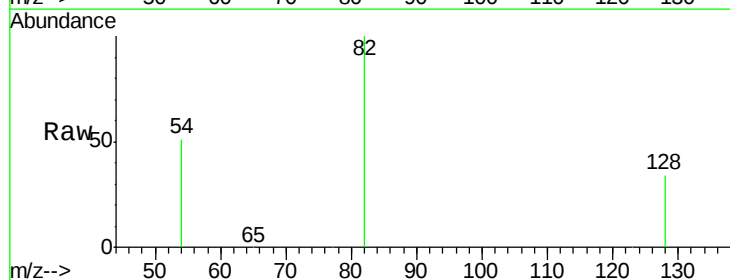
Instrument :
BNA_E
ClientSampleId :
PB89409BL

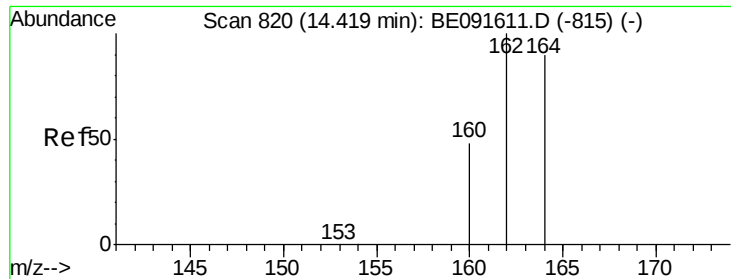
Tgt Ion: 82 Resp: 88096
Ion Ratio Lower Upper
82 100
128 34.1 25.4 38.0
54 51.5 48.4 72.6



#9
Nitrobenzene
Concen: 0.18 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.05 min
Lab File: BE091630.D
Acq: 11 Apr 2016 16:12

Tgt Ion: 77 Resp: 346
Ion Ratio Lower Upper
77 100
123 3.8 26.9 40.3#
65 51.4 9.4 14.2#

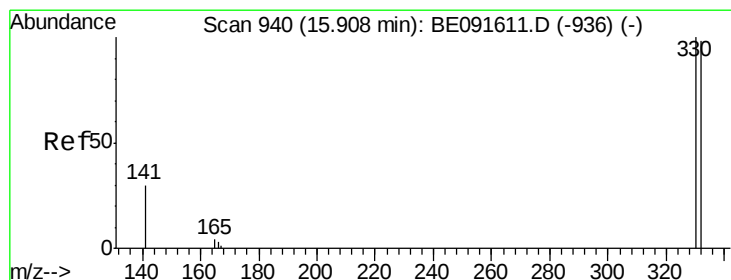
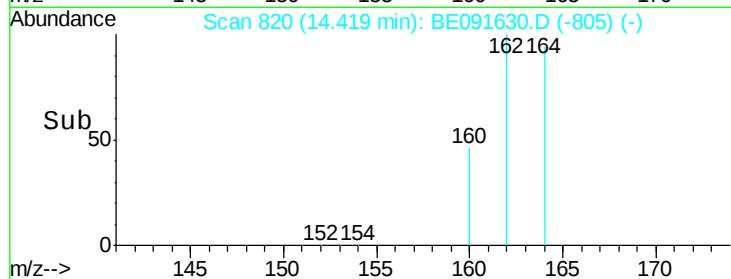
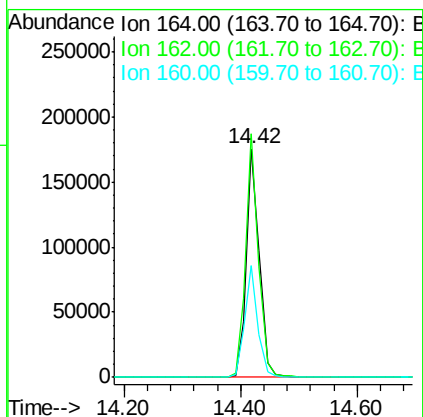
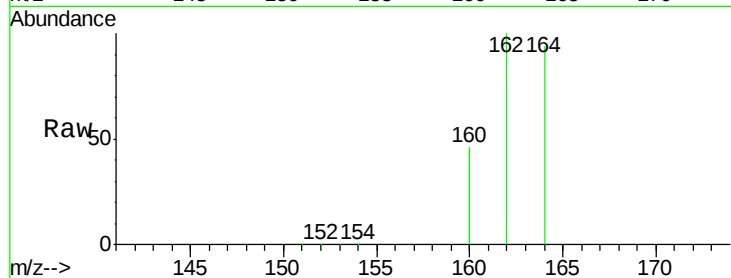




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.42 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BE091630.D
 Acq: 11 Apr 2016 16:12

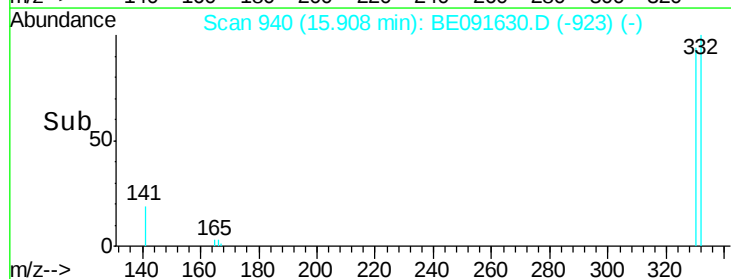
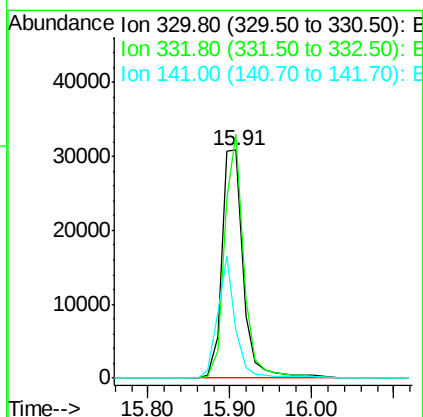
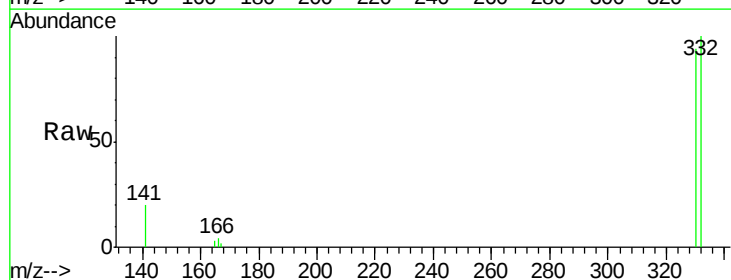
Instrument :
 BNA_E
 ClientSampleID :
 PB89409BL

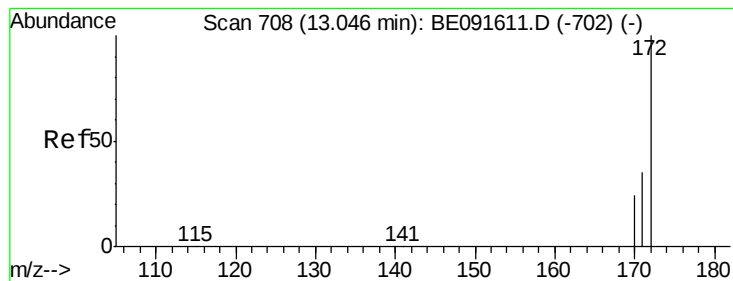
Tgt Ion:164 Resp: 270936
 Ion Ratio Lower Upper
 164 100
 162 106.5 85.3 127.9
 160 48.6 46.2 69.2



#14
 2,4,6-Tribromophenol
 Concen: 6.47 ng
 RT: 15.91 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BE091630.D
 Acq: 11 Apr 2016 16:12

Tgt Ion:330 Resp: 63667
 Ion Ratio Lower Upper
 330 100
 332 95.3 79.1 118.7
 141 43.3 125.4 188.0#





#15

2-Fluorobiphenyl

Concen: 3.48 ng

RT: 13.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

Instrument :

BNA_E

ClientSampleId :

PB89409BL

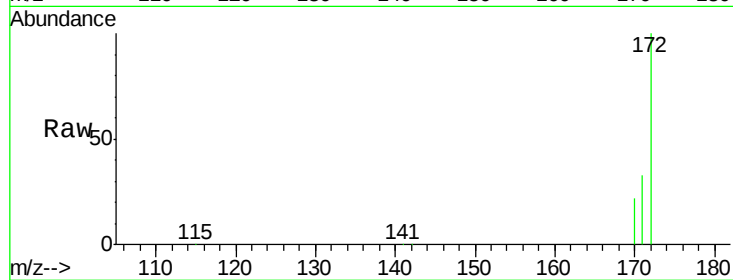
Tgt Ion:172 Resp: 262344

Ion Ratio Lower Upper

172 100

171 33.3 28.8 43.2

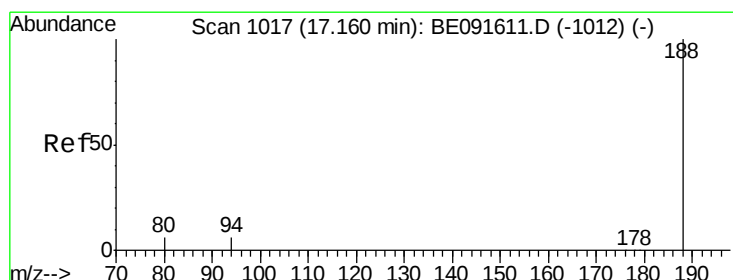
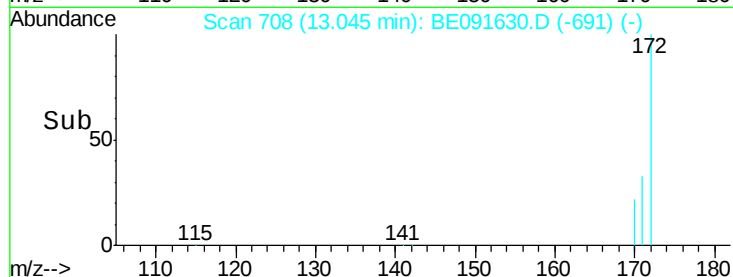
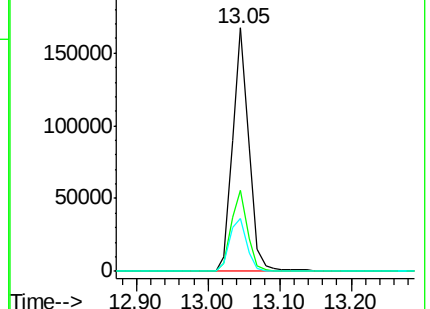
170 21.6 19.3 28.9



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



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.16 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

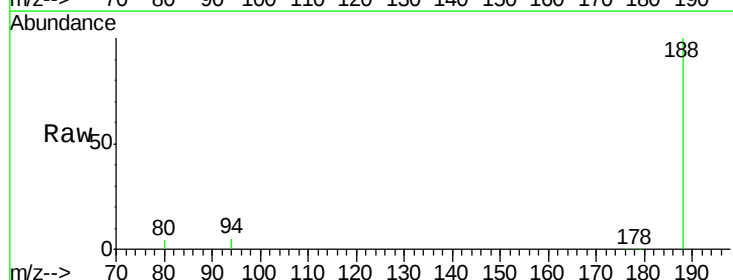
Tgt Ion:188 Resp: 676993

Ion Ratio Lower Upper

188 100

94 5.0 8.7 13.1#

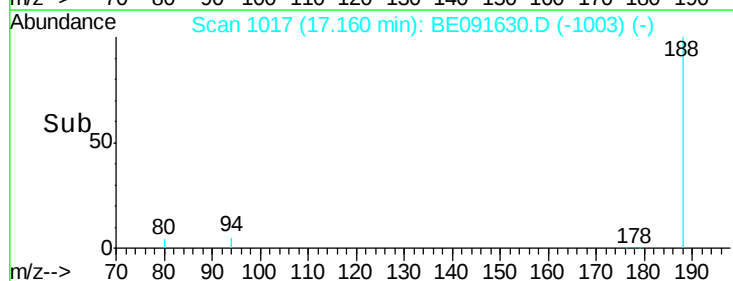
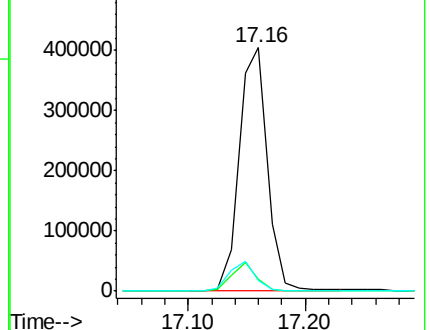
80 4.2 9.4 14.0#

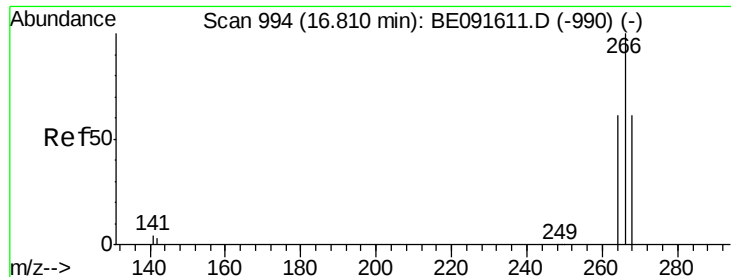


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.23 ng

RT: 16.83 min Scan# 995

Delta R.T. 0.02 min

Lab File: BE091630.D

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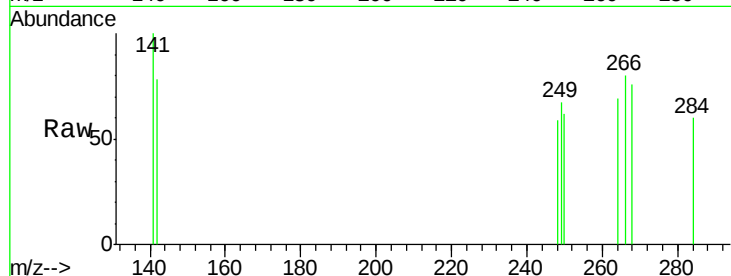
Tgt Ion:266 Resp: 87

Ion Ratio Lower Upper

266 100

268 94.3 58.2 87.2#

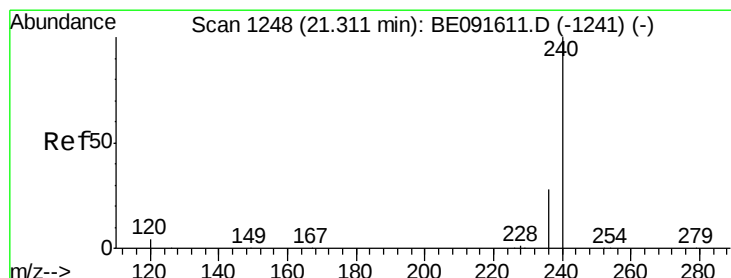
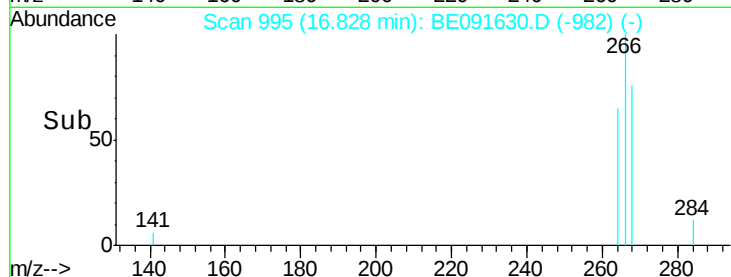
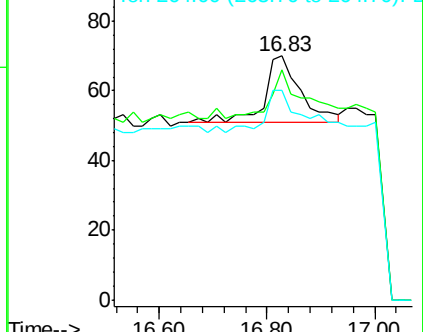
264 85.7 56.2 84.4#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

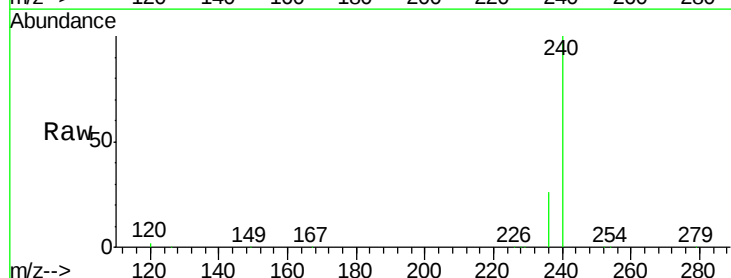
Tgt Ion:240 Resp: 827310

Ion Ratio Lower Upper

240 100

120 2.2 11.0 16.4#

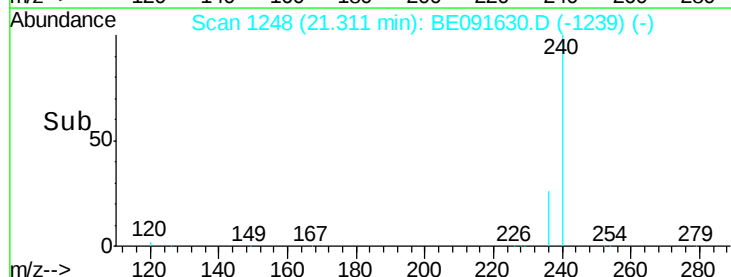
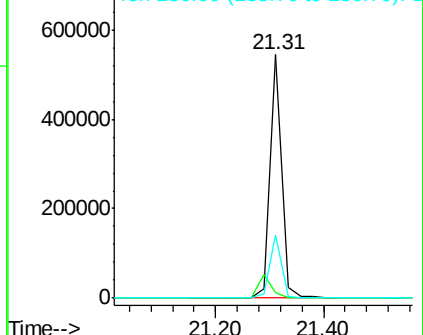
236 25.9 21.7 32.5

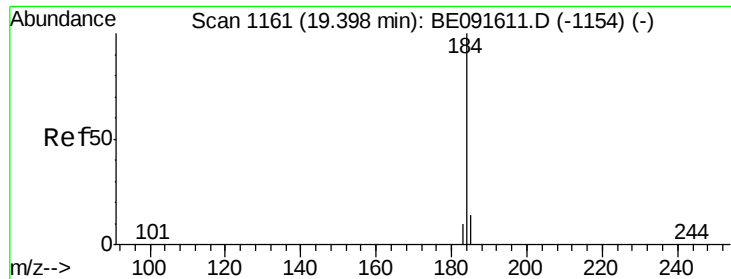


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.33 ng

RT: 19.42 min Scan# 1162

Delta R.T. 0.02 min

Lab File: BE091630.D

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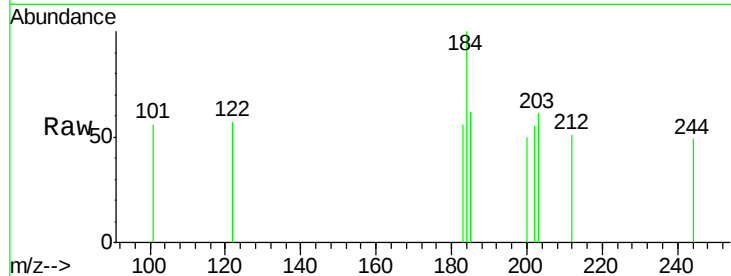
Tgt Ion:184 Resp: 248

Ion Ratio Lower Upper

184 100

185 61.8 22.3 33.5#

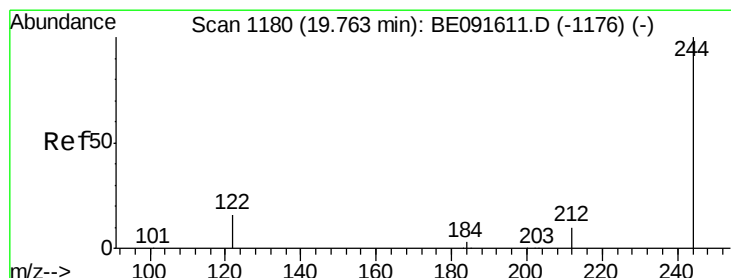
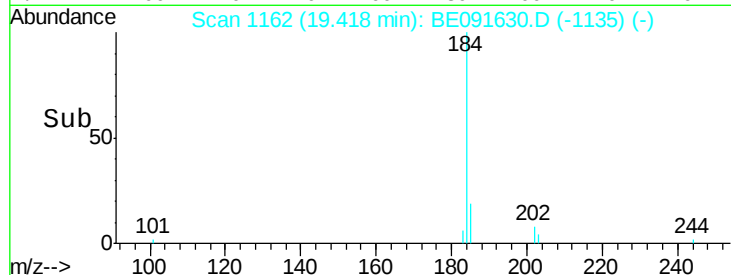
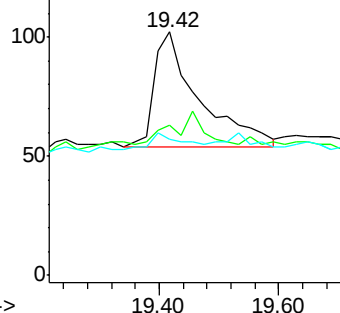
183 55.9 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 4.03 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

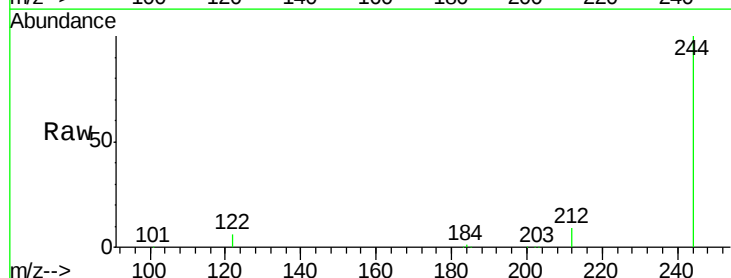
Tgt Ion:244 Resp: 416235

Ion Ratio Lower Upper

244 100

212 9.0 6.9 10.3

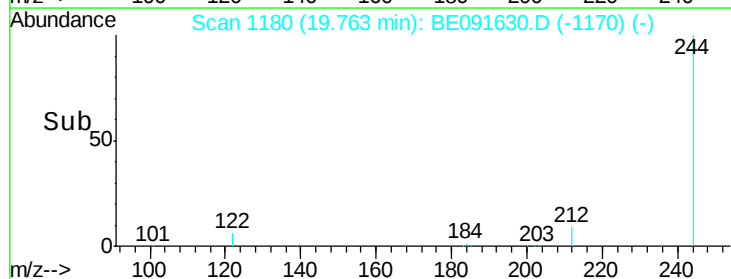
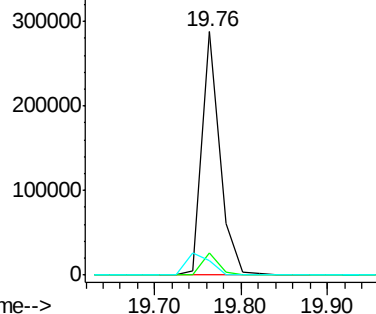
122 5.9 11.0 16.4#

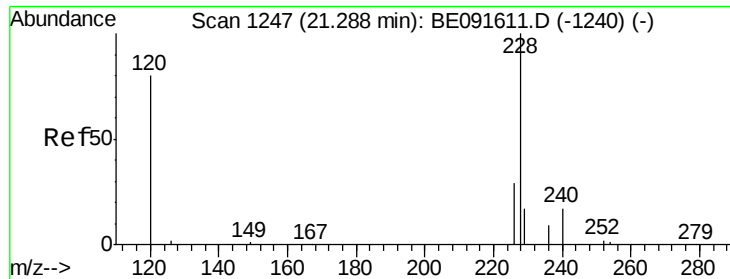


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

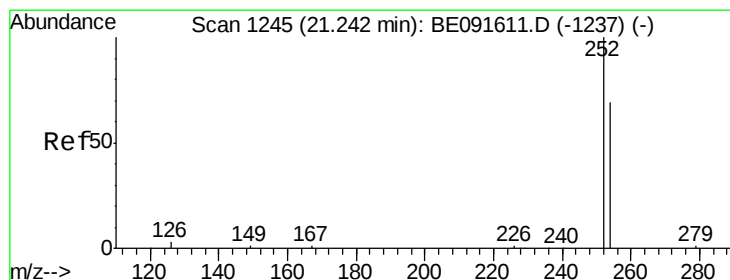
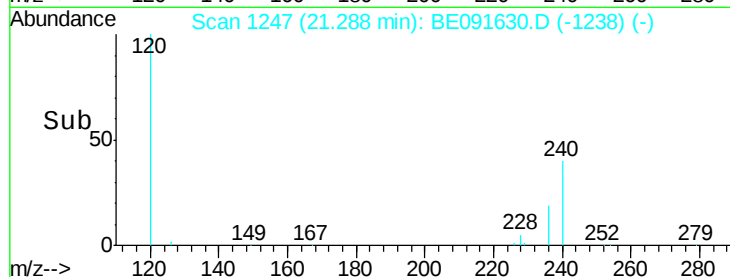
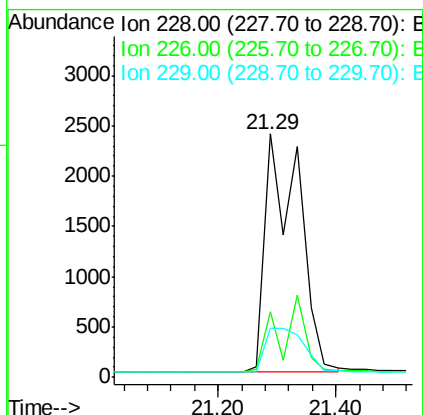
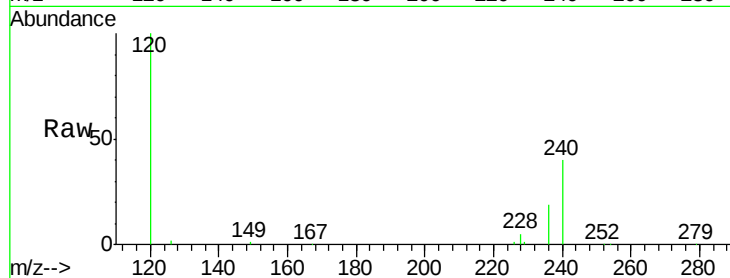




#30
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091630.D
Acq: 11 Apr 2016 16:12

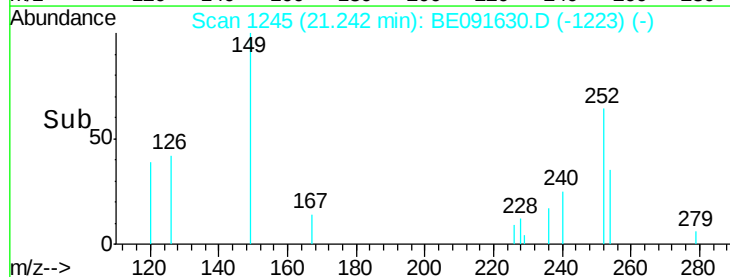
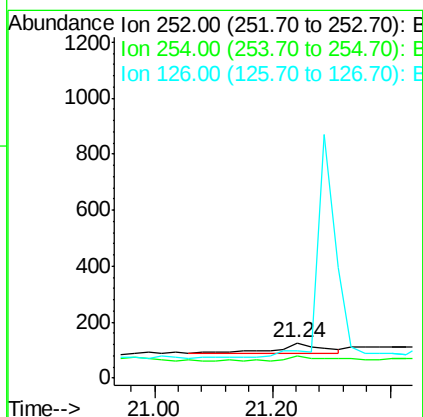
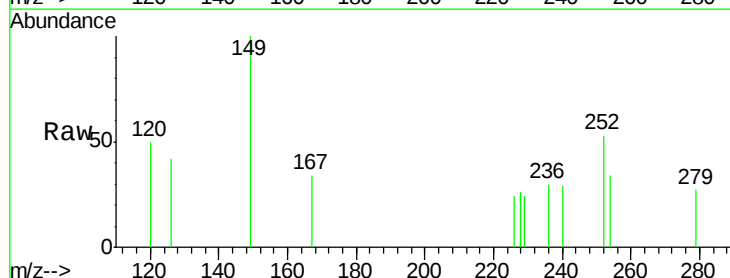
Instrument :
BNA_E
ClientSampleId :
PB89409BL

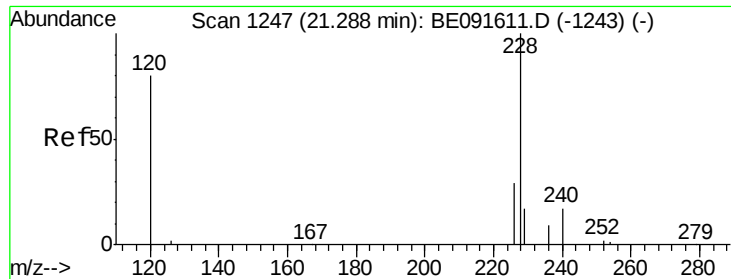
Tgt Ion:228 Resp: 9386
Ion Ratio Lower Upper
228 100
226 26.8 21.0 31.4
229 19.9 15.7 23.5



#31
3,3'-Dichlorobenzidine
Concen: 0.17 ng
RT: 21.24 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE091630.D
Acq: 11 Apr 2016 16:12

Tgt Ion:252 Resp: 210
Ion Ratio Lower Upper
252 100
254 64.8 51.1 76.7
126 79.2 12.6 18.8#





#32

Chrysene

Concen: 0.06 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.07 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

Instrument :

BNA_E

ClientSampleId :

PB89409BL

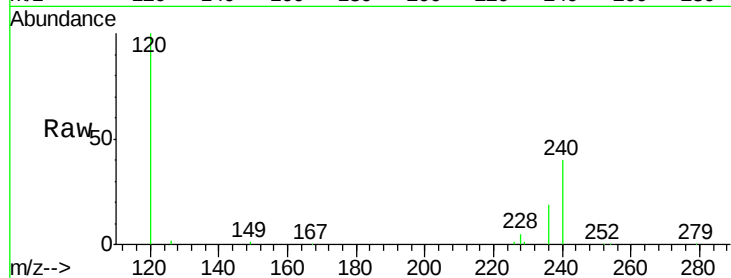
Tgt Ion:228 Resp: 9437

Ion Ratio Lower Upper

228 100

226 26.8 24.0 36.0

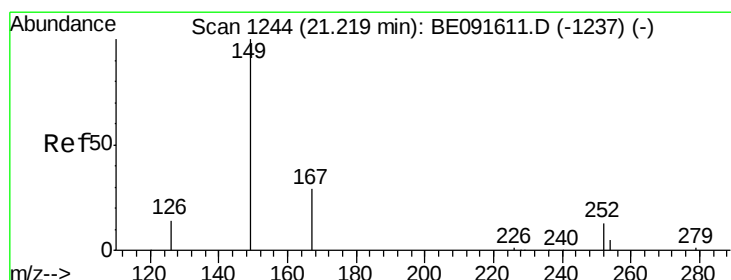
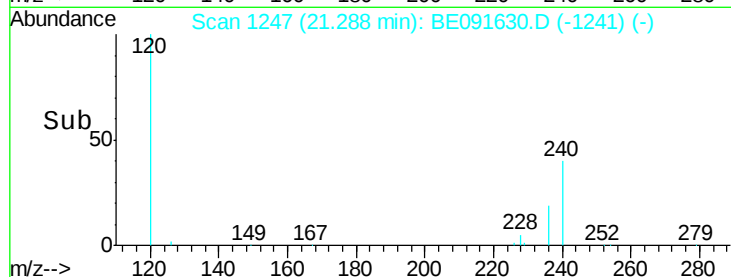
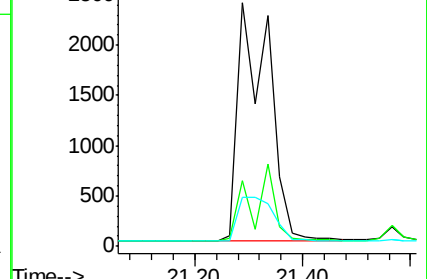
229 19.9 15.9 23.9



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 21.22 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

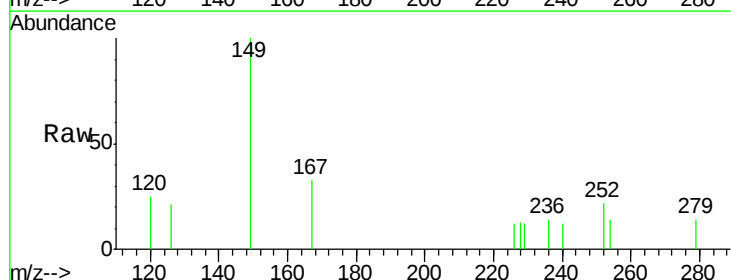
Tgt Ion:149 Resp: 513

Ion Ratio Lower Upper

149 100

167 24.2 19.5 29.3

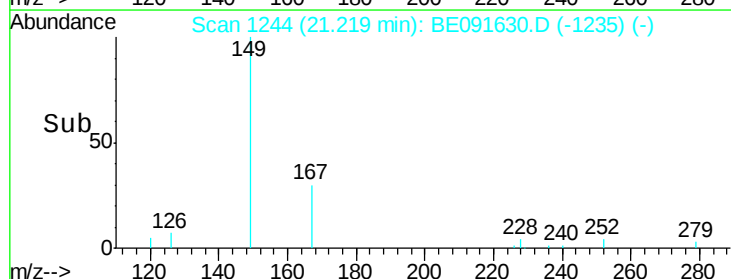
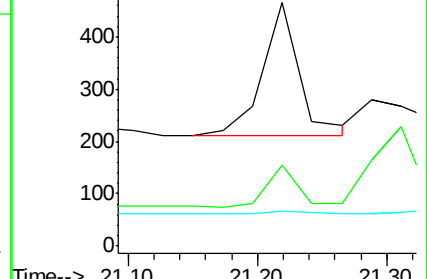
279 2.1 10.0 15.0#

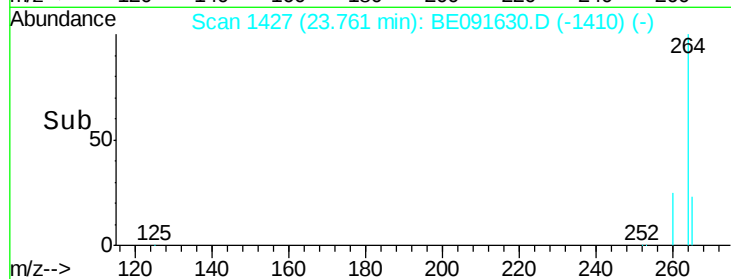
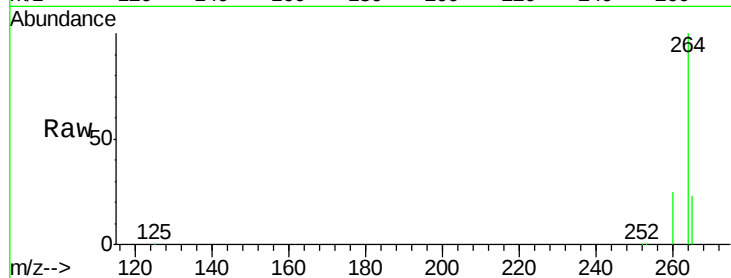
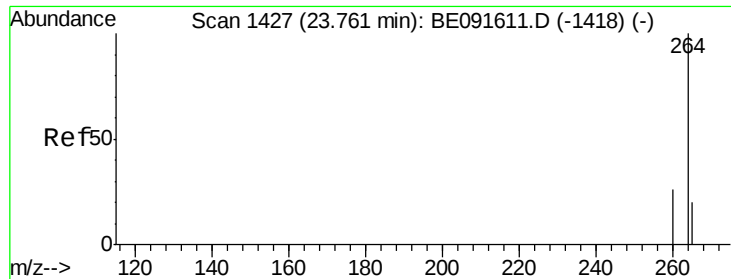


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.76 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BE091630.D

Acq: 11 Apr 2016 16:12

Instrument :

BNA_E

ClientSampleId :

PB89409BL

Tgt Ion: 264 Resp: 742735

Ion Ratio Lower Upper

264 100

260 24.7 20.0 30.0

265 22.9 17.5 26.3

