

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
 Data File : BE091847.D
 Acq On : 23 May 2016 14:58
 Operator : UM/SJ
 Sample : PB90774BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90774BL

Quant Time: May 24 02:20:37 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

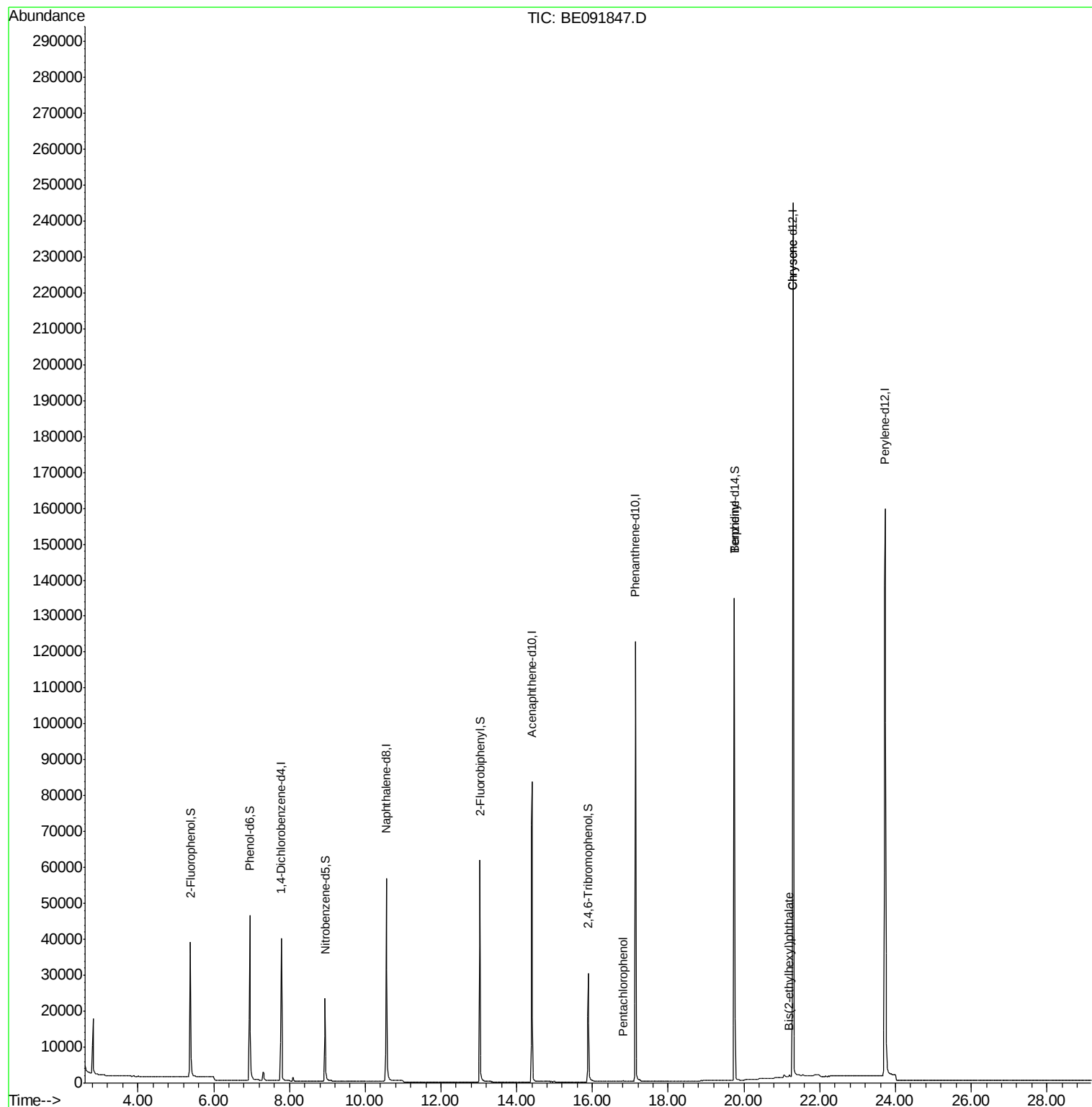
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	19887	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	91593	5.00	ng	-0.02
13) Acenaphthene-d10	14.40	164	60066	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	194355	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	282352	5.00	ng	-0.02
35) Perylene-d12	23.73	264	244156	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	40164	7.73	ng	0.00
5) Phenol-d6	6.95	99	53805	7.35	ng	0.00
8) Nitrobenzene-d5	8.93	82	24575	4.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	22695	9.73	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	66184	3.90	ng	-0.01
29) Terphenyl-d14	19.74	244	160672	4.02	ng	-0.02
Target Compounds						
22) Pentachlorophenol	16.81	266	202	0.06	ng	# 86
23) Phenanthrene	17.17	178	412	Below Cal		# 60
27) Benzidine	19.74	184	2220	0.11	ng	97
32) Chrysene	21.29	228	1005	0.06	ng	# 67
33) Bis(2-ethylhexyl)phthalate	21.20	149	807	0.27	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

Instrument :

BNA_E

ClientSampleId :

PB90774BL

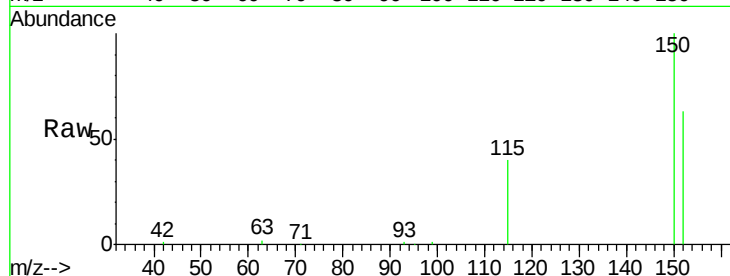
Tgt Ion:152 Resp: 19887

Ion Ratio Lower Upper

152 100

150 159.5 122.6 183.8

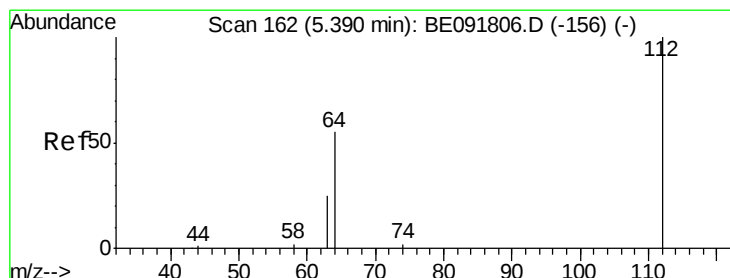
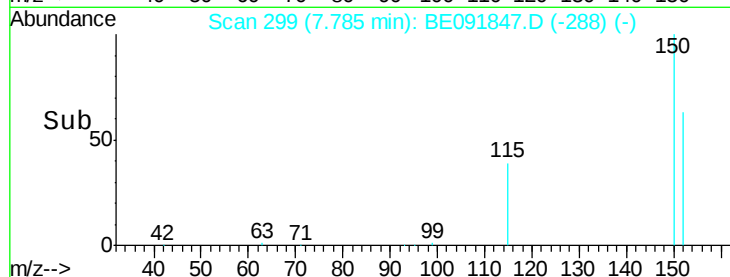
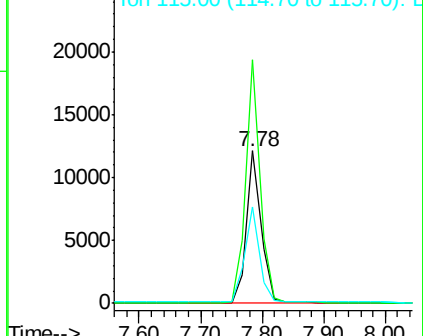
115 63.0 52.8 79.2



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: 7.73 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

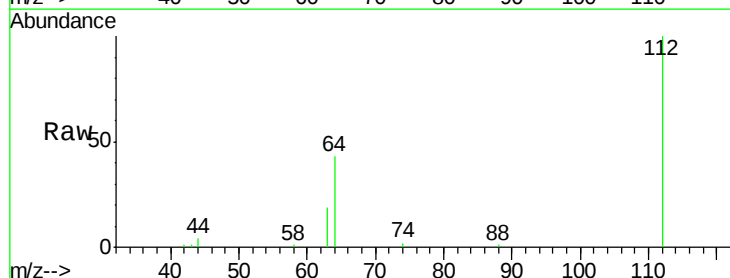
Tgt Ion:112 Resp: 40164

Ion Ratio Lower Upper

112 100

64 67.0 30.9 46.3#

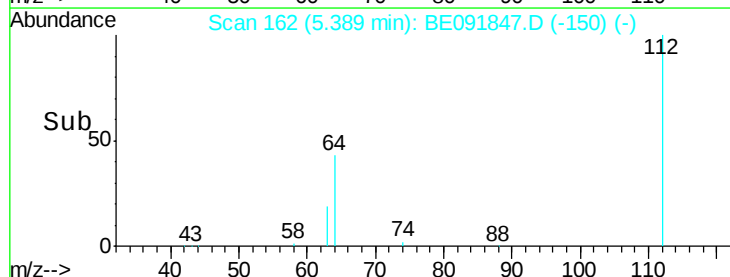
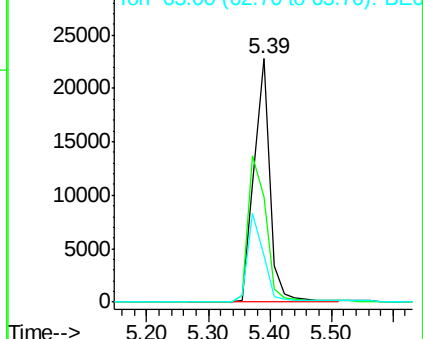
63 36.0 16.7 25.1#

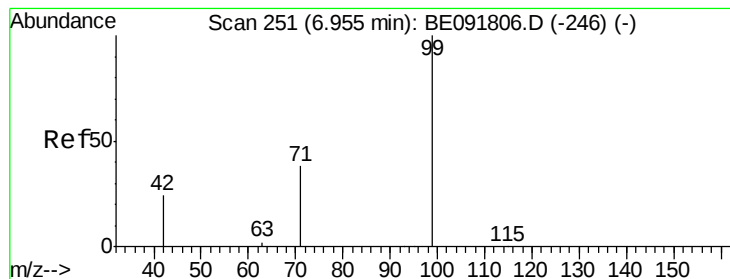


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.35 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

Instrument :

BNA_E

ClientSampleId :

PB90774BL

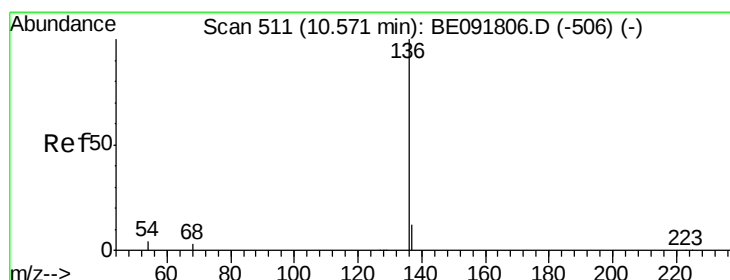
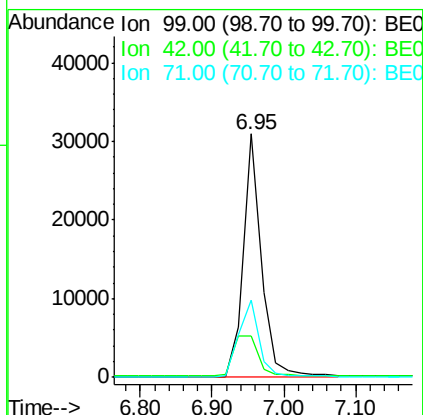
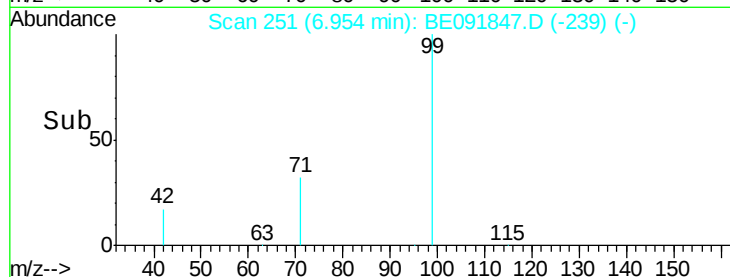
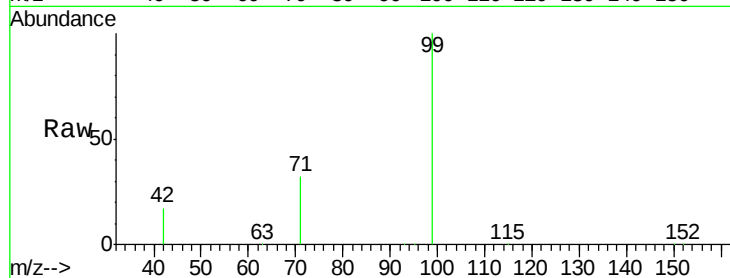
Tgt Ion: 99 Resp: 53805

Ion Ratio Lower Upper

99 100

42 23.0 16.2 24.2

71 35.3 29.0 43.4



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

Tgt Ion: 136 Resp: 91593

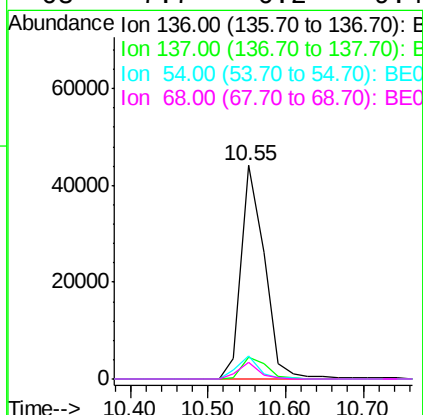
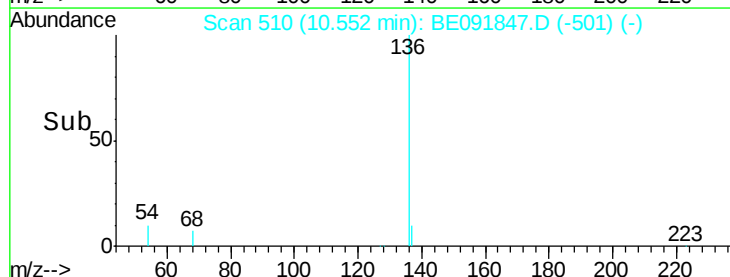
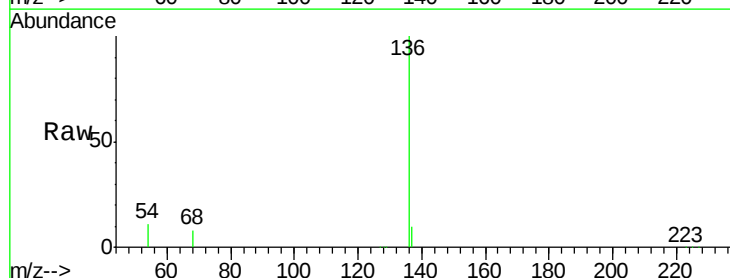
Ion Ratio Lower Upper

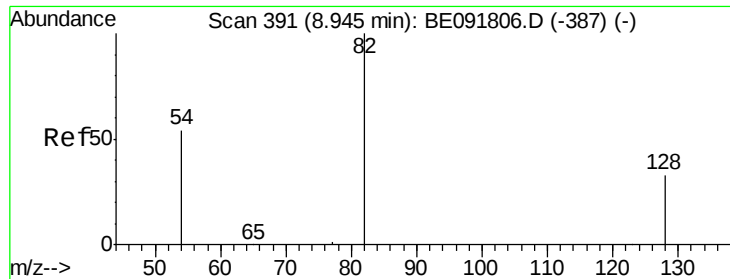
136 100

137 10.2 8.9 13.3

54 10.6 8.2 12.4

68 7.7 6.2 9.4

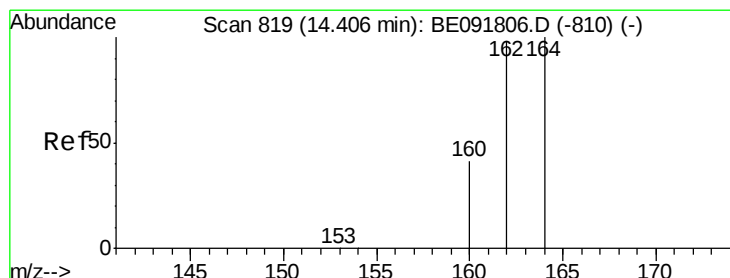
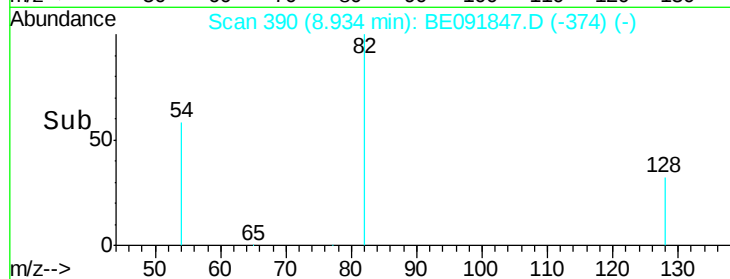
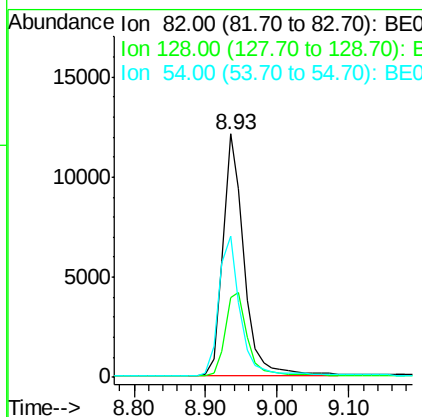
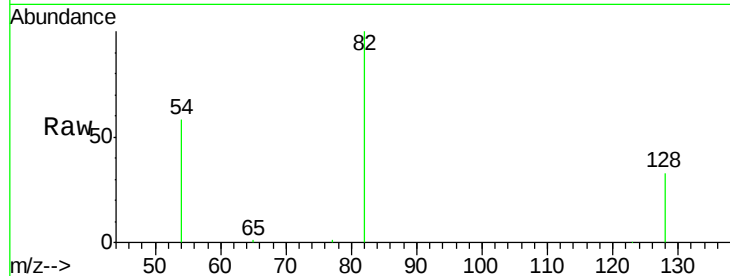




#8
 Nitrobenzene-d5
 Concen: 4.05 ng
 RT: 8.93 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: BE091847.D
 Acq: 23 May 2016 14:58

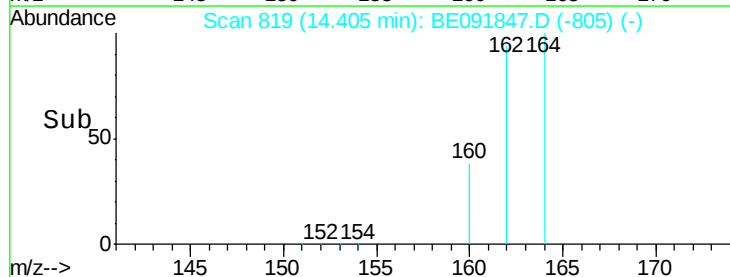
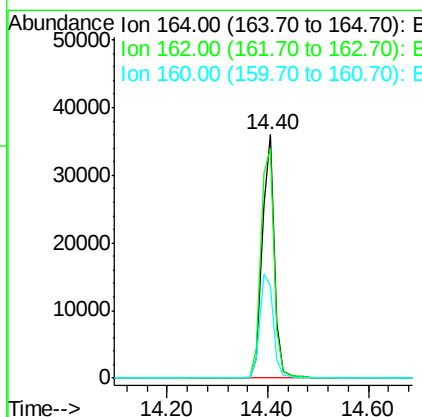
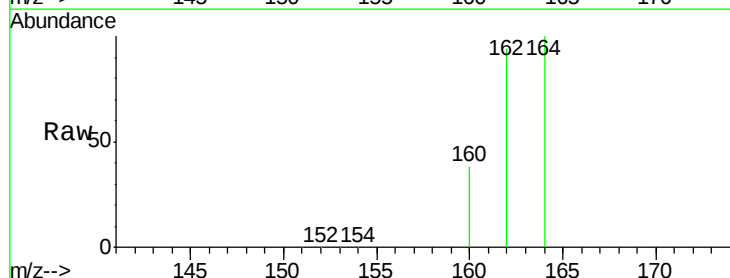
Instrument :
 BNA_E
 ClientSampleId :
 PB90774BL

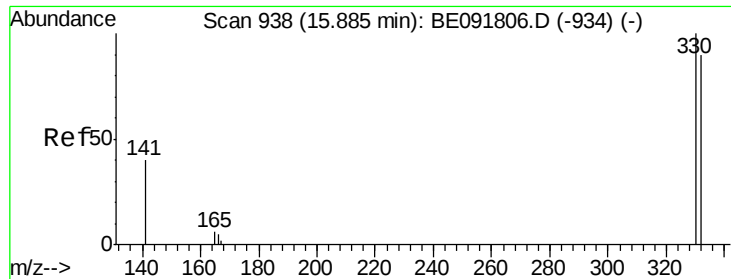
Tgt Ion: 82 Resp: 24575
 Ion Ratio Lower Upper
 82 100
 128 32.7 25.4 38.0
 54 58.2 48.4 72.6



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.40 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BE091847.D
 Acq: 23 May 2016 14:58

Tgt Ion: 164 Resp: 60066
 Ion Ratio Lower Upper
 164 100
 162 94.4 85.3 127.9
 160 37.8 46.2 69.2#

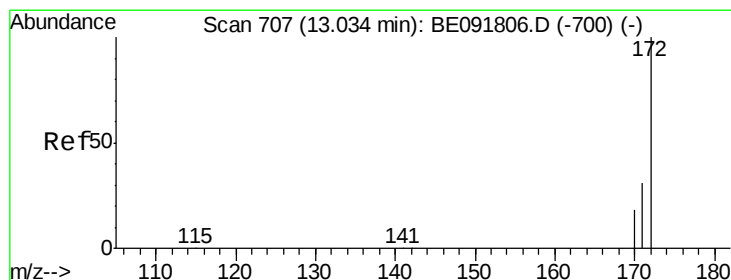
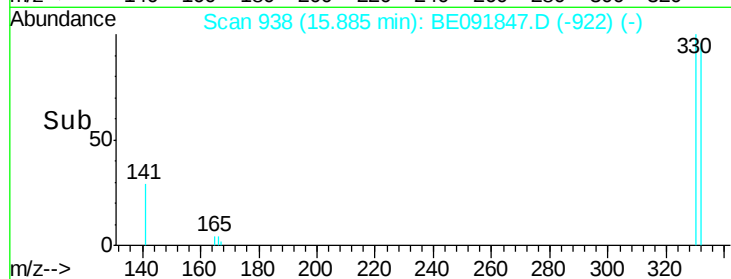
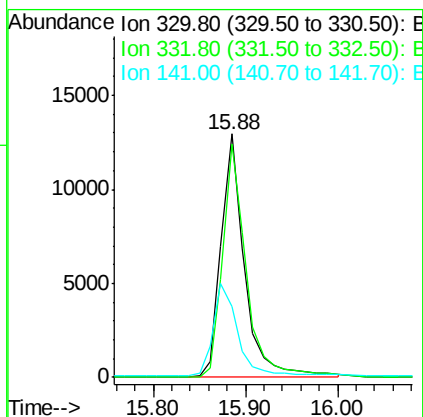
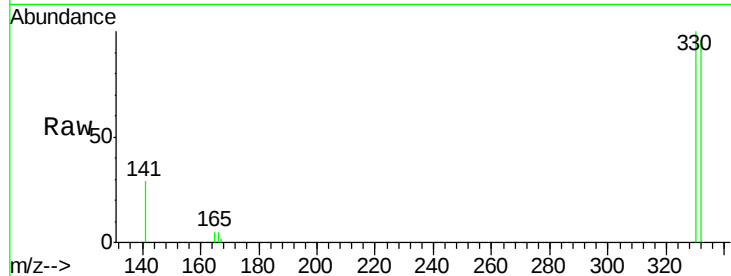




#14
 2,4,6-Tribromophenol
 Concen: 9.73 ng
 RT: 15.88 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091847.D
 Acq: 23 May 2016 14:58

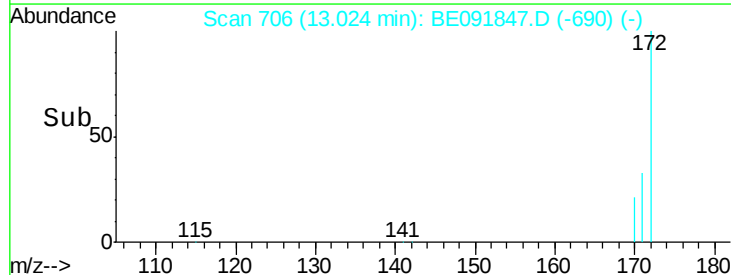
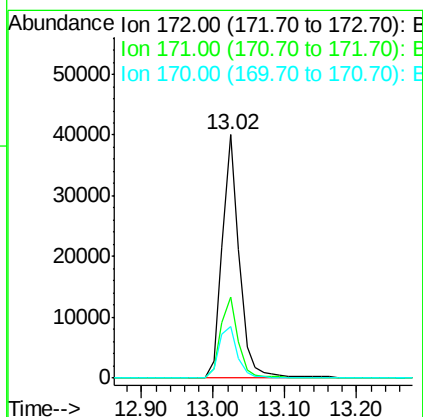
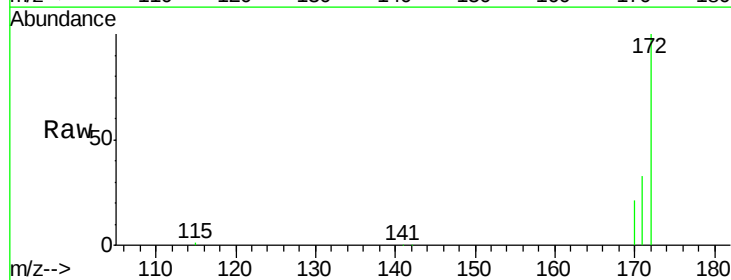
Instrument :
 BNA_E
 ClientSampleId :
 PB90774BL

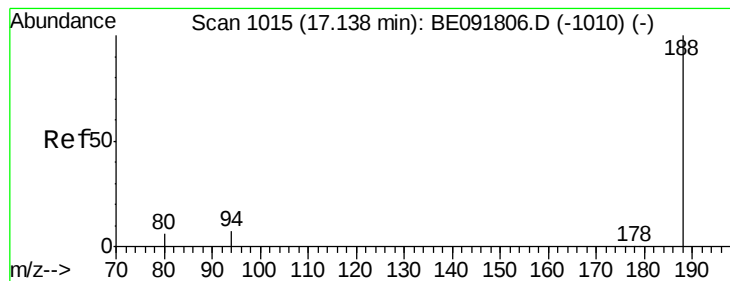
Tgt Ion:330 Resp: 22695
 Ion Ratio Lower Upper
 330 100
 332 95.8 79.1 118.7
 141 40.1 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.90 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091847.D
 Acq: 23 May 2016 14:58

Tgt Ion:172 Resp: 66184
 Ion Ratio Lower Upper
 172 100
 171 33.1 28.8 43.2
 170 21.1 19.3 28.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

Instrument :

BNA_E

ClientSampleId :

PB90774BL

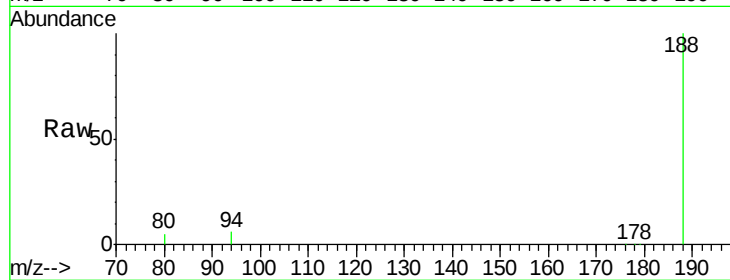
Tgt Ion:188 Resp: 194355

Ion Ratio Lower Upper

188 100

94 6.0 8.7 13.1#

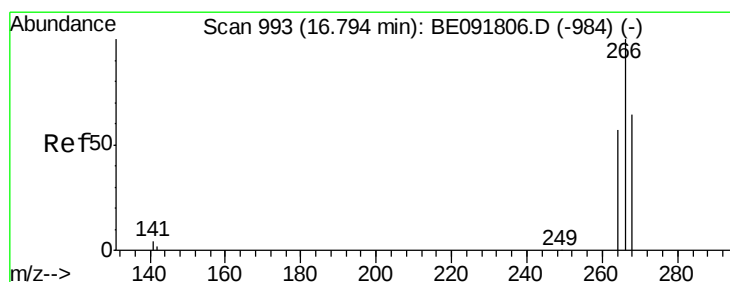
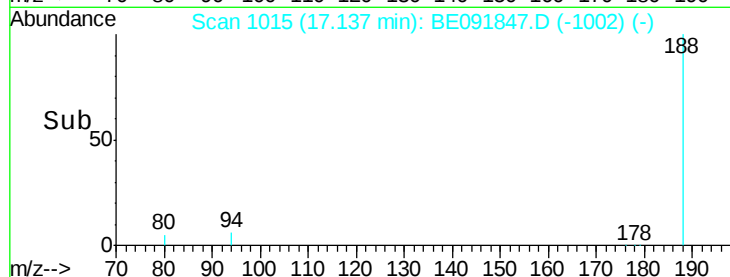
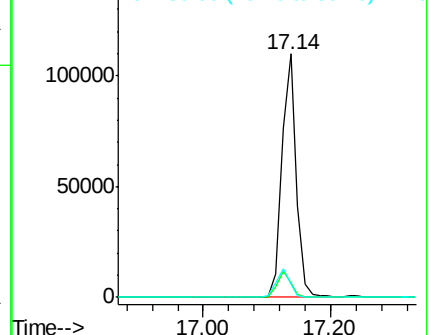
80 5.5 9.4 14.0#



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: 0.06 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.02 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

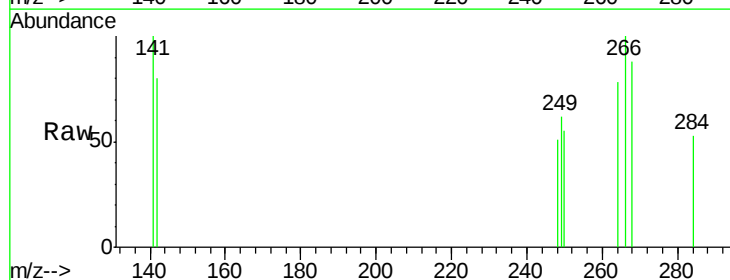
Tgt Ion:266 Resp: 202

Ion Ratio Lower Upper

266 100

268 88.0 58.2 87.2#

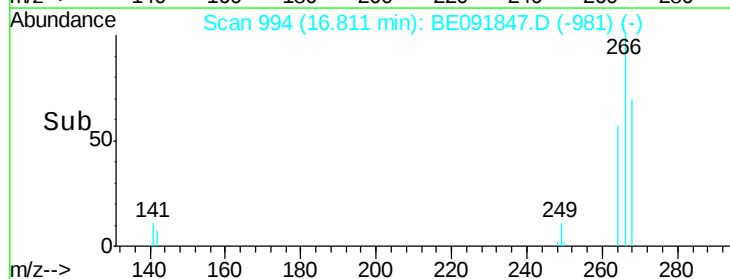
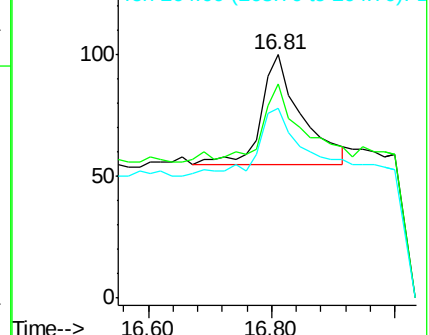
264 78.0 56.2 84.4

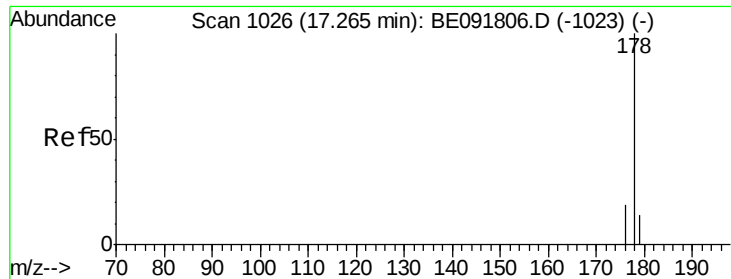


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

Instrument :

BNA_E

ClientSampled :

PB90774BL

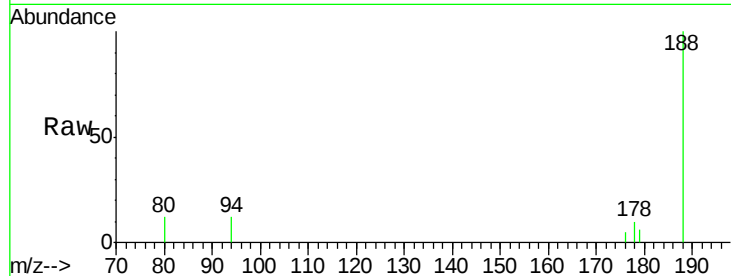
Tgt Ion:178 Resp: 412

Ion Ratio Lower Upper

178 100

176 0.0 15.3 22.9#

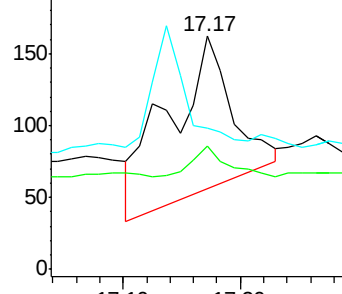
179 0.0 12.6 18.8#



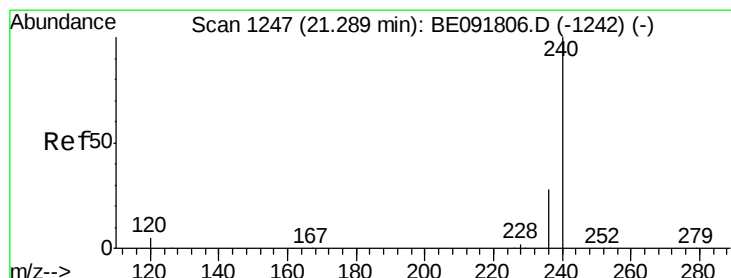
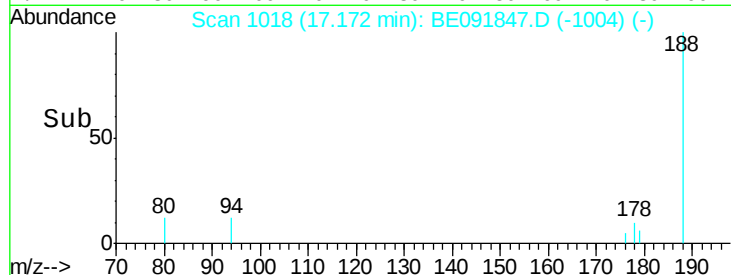
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

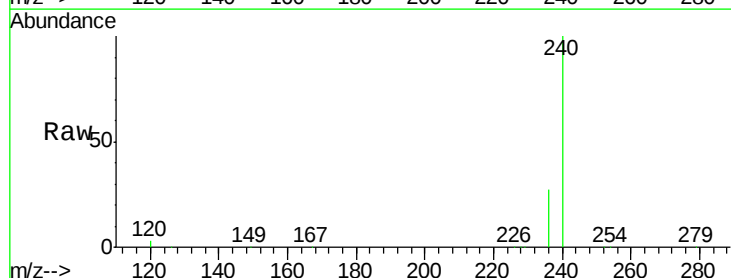
Tgt Ion:240 Resp: 282352

Ion Ratio Lower Upper

240 100

120 2.6 11.0 16.4#

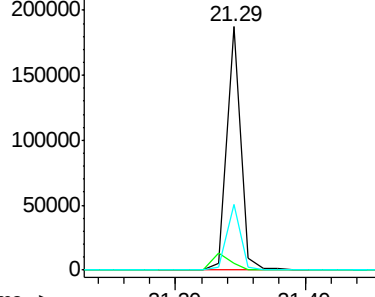
236 27.0 21.7 32.5



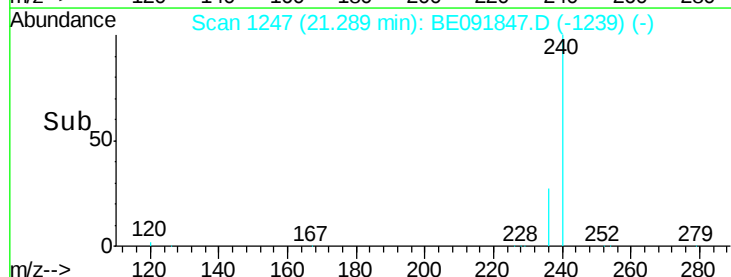
Abundance Ion 240.00 (239.70 to 240.70): E

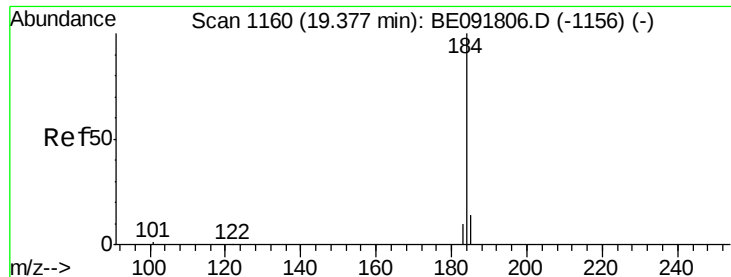
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#27

Benzidine

Concen: 0.11 ng

RT: 19.74 min Scan# 1179

Delta R.T. 0.37 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

Instrument :

BNA_E

ClientSampleId :

PB90774BL

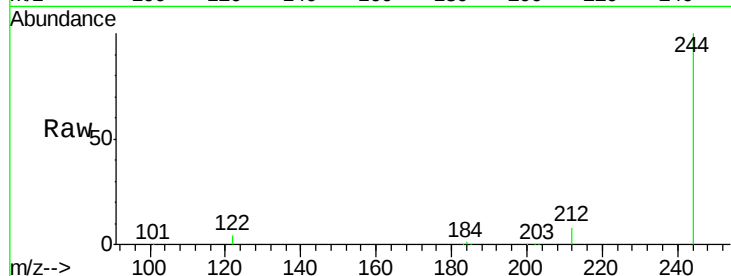
Tgt Ion:184 Resp: 2220

Ion Ratio Lower Upper

184 100

185 30.2 22.3 33.5

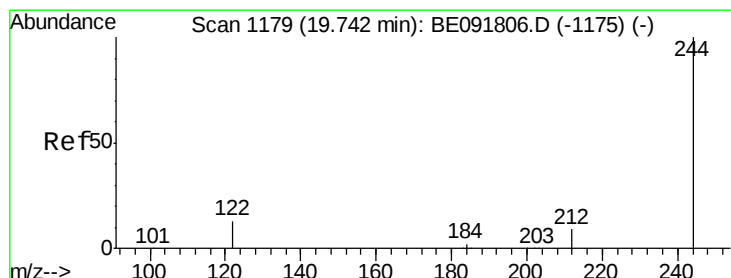
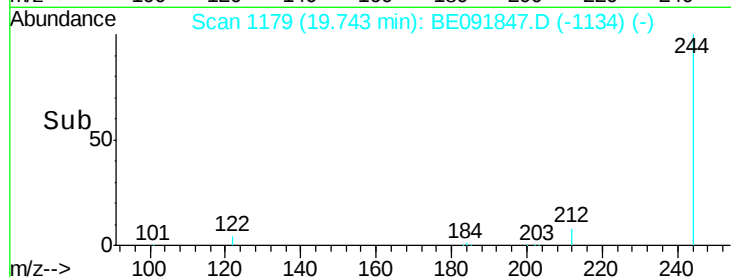
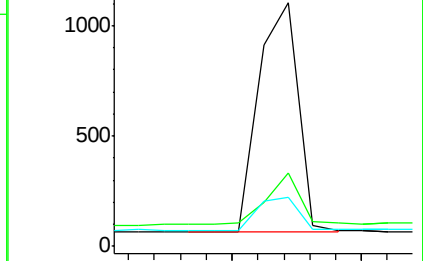
183 20.2 16.4 24.6



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: 4.02 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

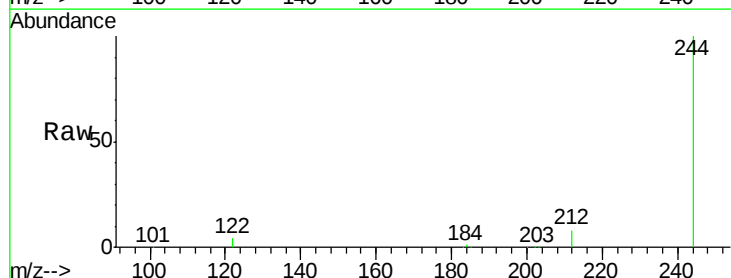
Tgt Ion:244 Resp: 160672

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

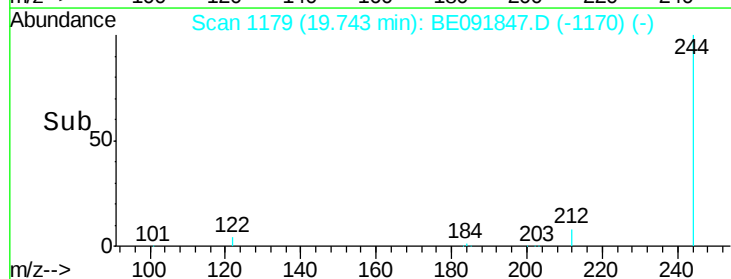
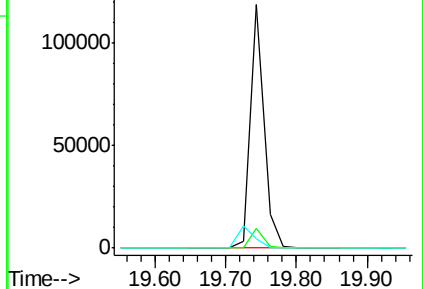
122 3.6 11.0 16.4#

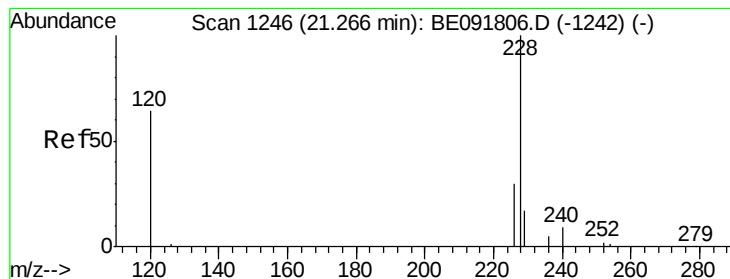


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Chrysene

Concen: 0.06 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.04 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

Instrument :

BNA_E

ClientSampleId :

PB90774BL

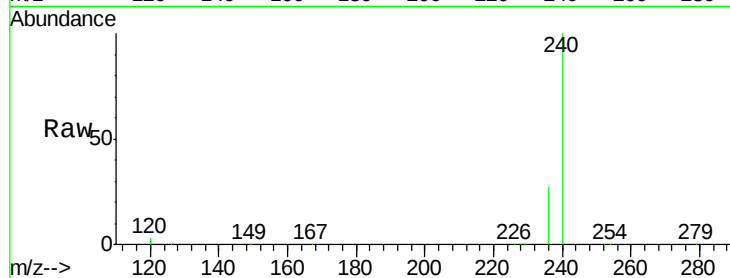
Tgt Ion:228 Resp: 1005

Ion Ratio Lower Upper

228 100

226 22.7 24.0 36.0#

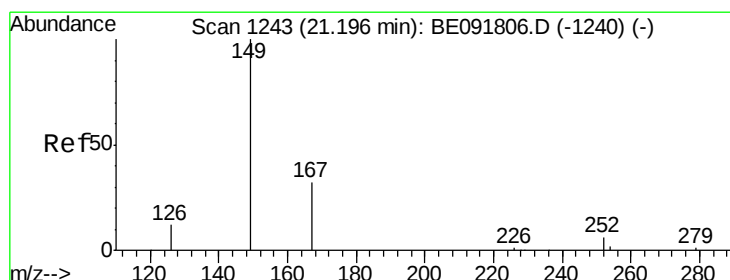
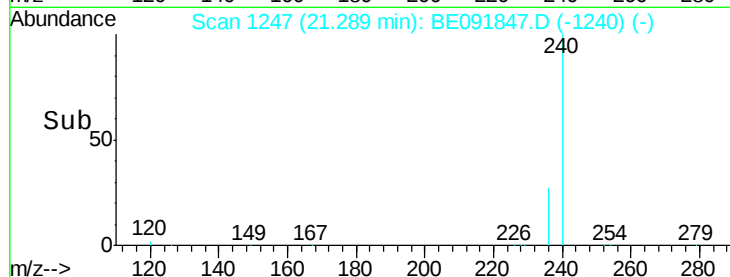
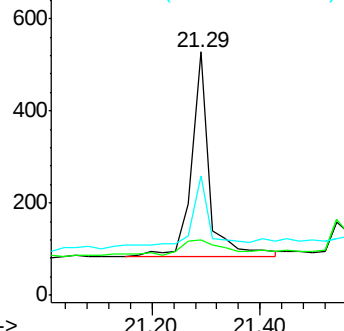
229 48.9 15.9 23.9#



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: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091847.D

Acq: 23 May 2016 14:58

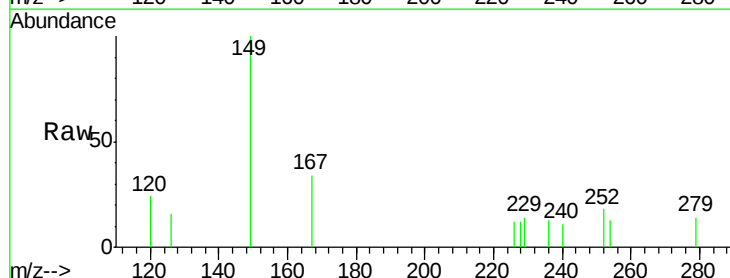
Tgt Ion:149 Resp: 807

Ion Ratio Lower Upper

149 100

167 26.8 19.5 29.3

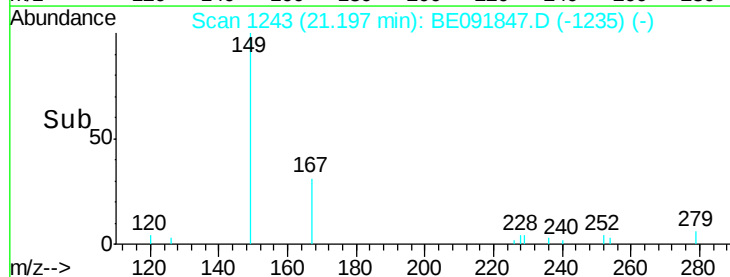
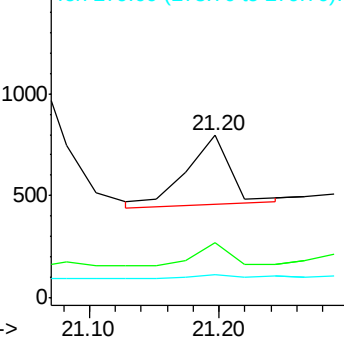
279 9.3 10.0 15.0#

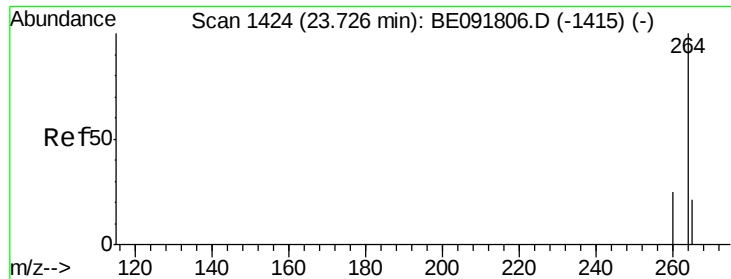


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.73 min Scan# 1424

Delta R.T. -0.02 min

Lab File: BE091847.D

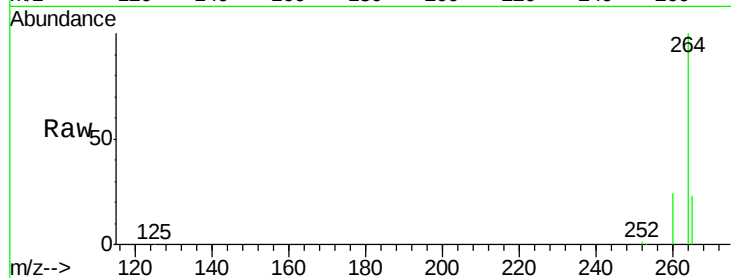
Acq: 23 May 2016 14:58

Instrument :

BNA_E

ClientSampleId :

PB90774BL



Tgt Ion:264 Resp: 244156

Ion Ratio Lower Upper

264 100

260 24.4 20.0 30.0

265 23.0 17.5 26.3

