

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021017\
 Data File : BE092721.D
 Acq On : 10 Feb 2017 14:51
 Operator : SJ/MA
 Sample : PB96821BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB96821BL

Quant Time: Feb 10 15:59:18 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	11882	5.00	ng	-0.02
7) Naphthalene-d8	10.91	136	46447	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	26093	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	47663	5.00	ng	0.00
24) Chrysene-d12	21.70	240	59101	5.00	ng	-0.02
31) Perylene-d12	24.04	264	54992	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.62	112	22730	8.57	ng	-0.03
5) Phenol-d6	7.29	99	28451	8.75	ng	-0.04
8) Nitrobenzene-d5	9.29	82	12095	4.01	ng	-0.04
13) 2,4,6-Tribromophenol	16.27	330	4511	5.89	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	26561	4.14	ng	-0.02
26) Terphenyl-d14	20.14	244	30169	3.61	ng	-0.02

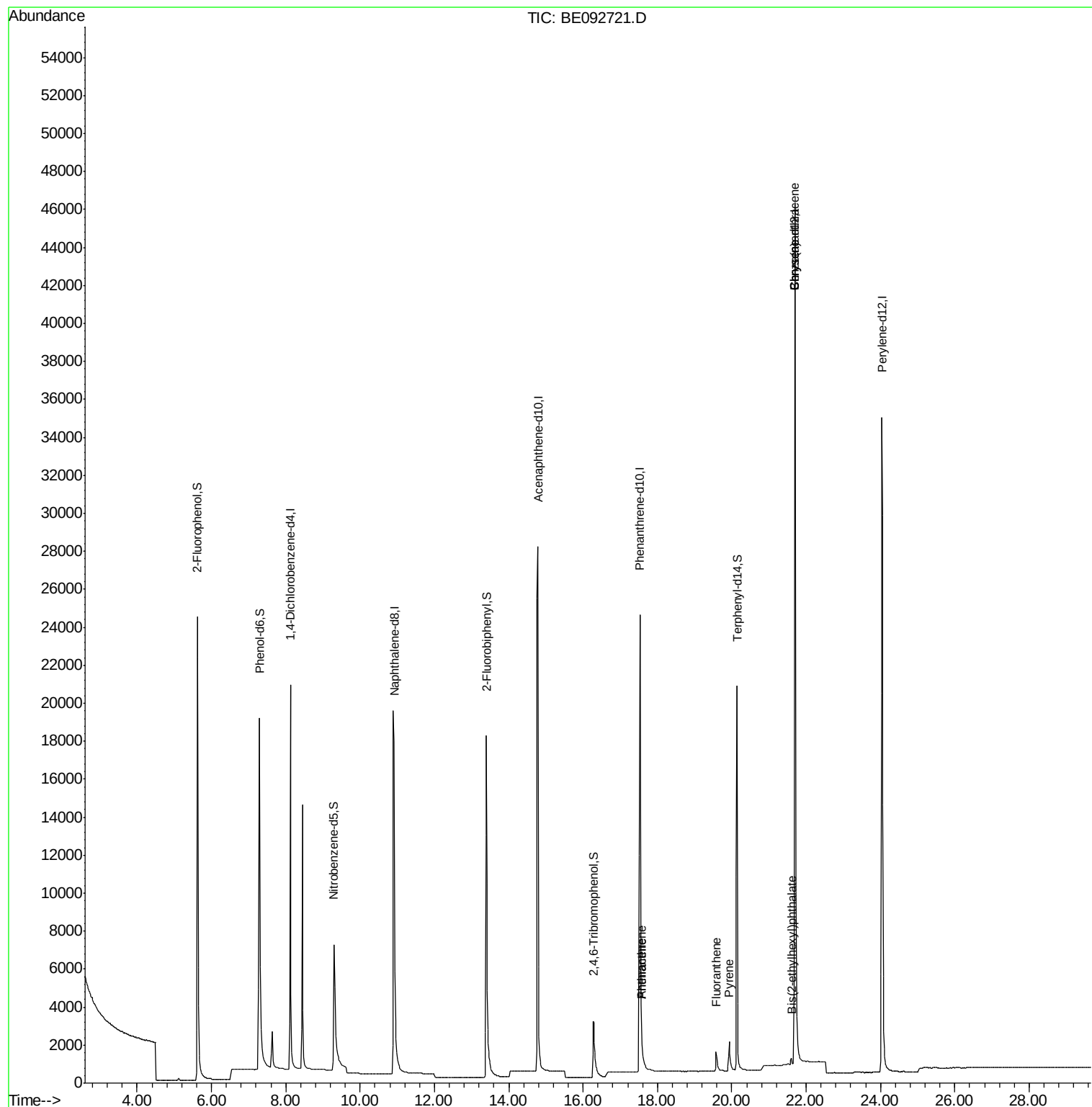
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Hexachlorobenzene	16.66	284	114	Below Cal	#	1
21) Phenanthrene	17.58	178	614	0.06	ng	57
22) Anthracene	17.58	178	669	0.07	ng	61
23) Fluoranthene	19.58	202	2734	0.06	ng	99
25) Pyrene	19.94	202	2505	0.04	ng	97
27) Benzo(a)anthracene	21.70	228	3181	0.05	ng	66
28) Chrysene	21.70	228	3258	0.05	ng	70
29) Bis(2-ethylhexyl)phthalate	21.61	149	628	0.26	ng	71

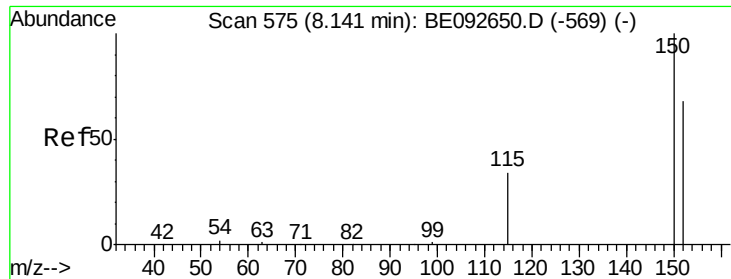
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.02 min

Lab File: BE092721.D

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BNA_E

ClientSampleId :

PB96821BL

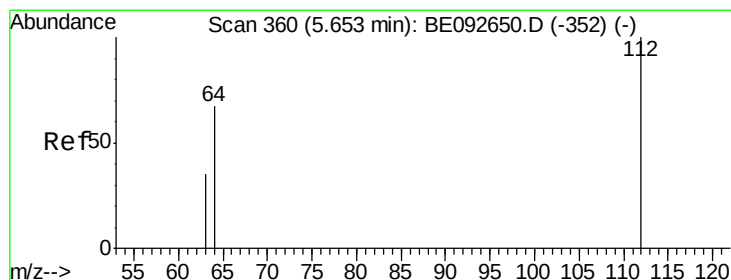
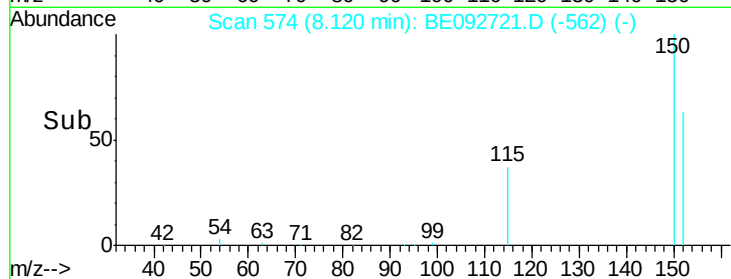
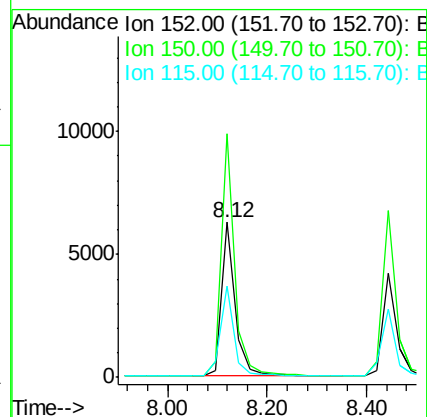
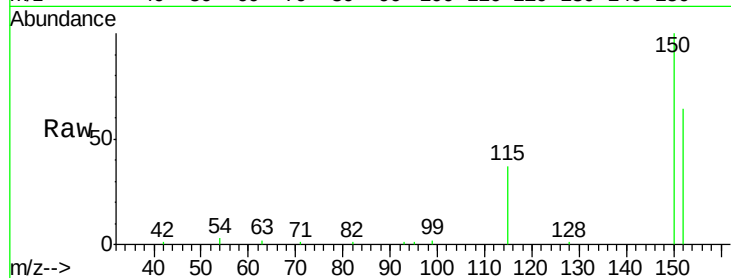
Tgt Ion:152 Resp: 11882

Ion Ratio Lower Upper

152 100

150 157.2 106.0 159.0

115 58.6 31.2 46.8#



#4

2-Fluorophenol

Concen: 8.57 ng

RT: 5.62 min Scan# 355

Delta R.T. -0.03 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

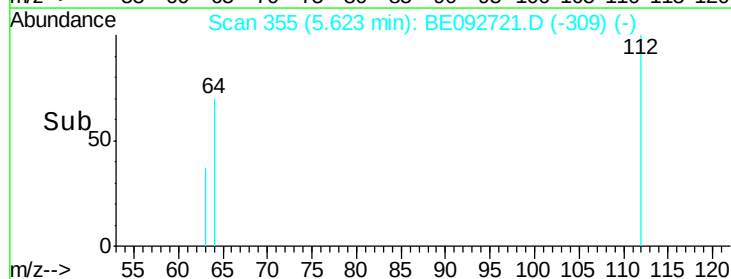
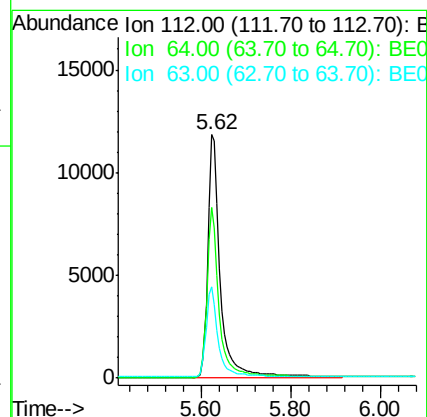
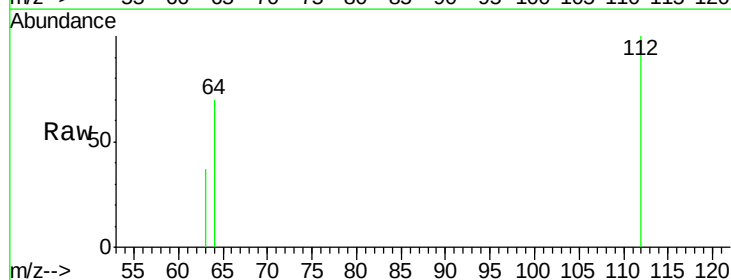
Tgt Ion:112 Resp: 22730

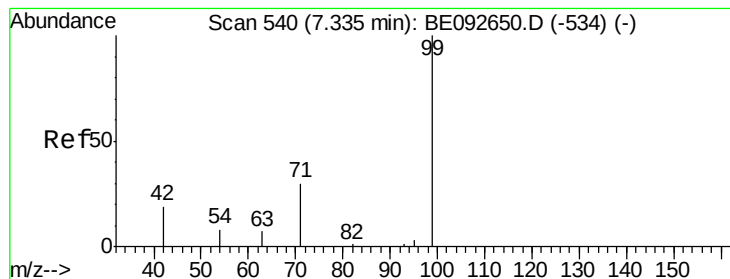
Ion Ratio Lower Upper

112 100

64 68.0 53.5 80.3

63 36.4 27.9 41.9





#5

Phenol-d6

Concen: 8.75 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.04 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Instrument :

BNA_E

ClientSampleId :

PB96821BL

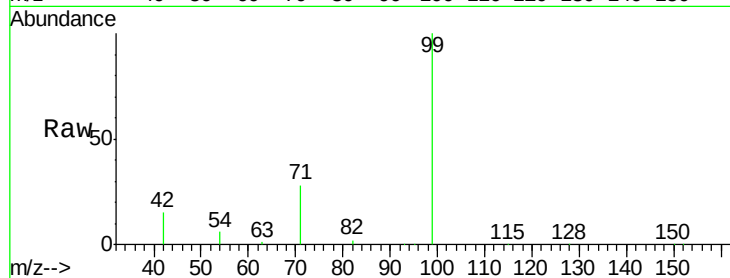
Tgt Ion: 99 Resp: 28451

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

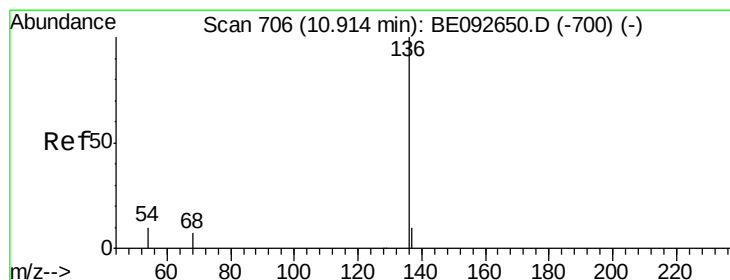
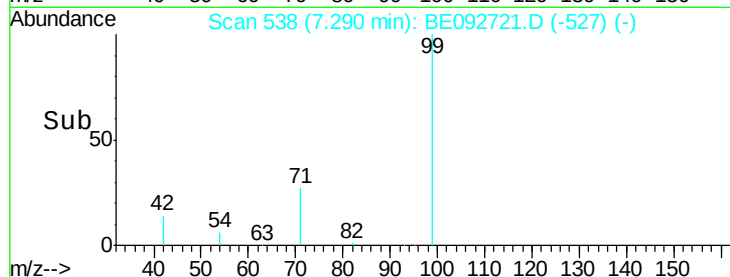
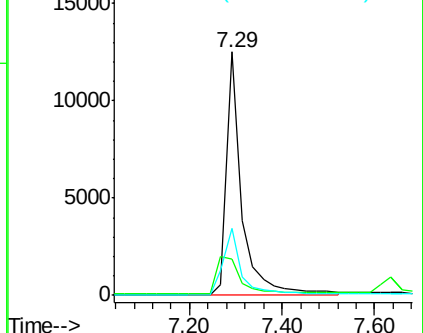
71 32.3 30.6 45.8



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: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Tgt Ion: 136 Resp: 46447

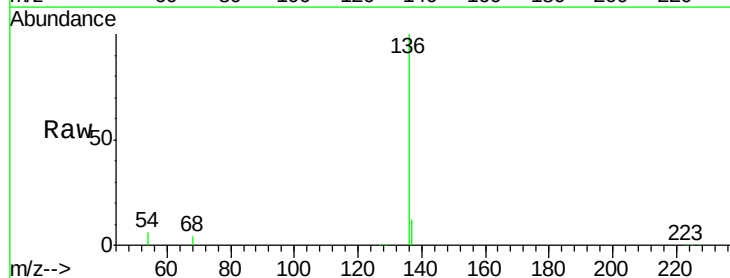
Ion Ratio Lower Upper

136 100

137 12.0 8.2 12.4

54 5.9 9.6 14.4#

68 4.4 6.7 10.1#

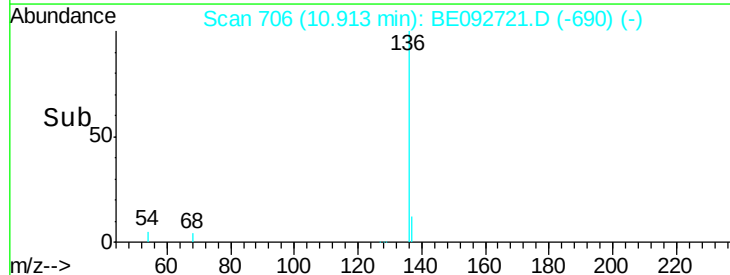
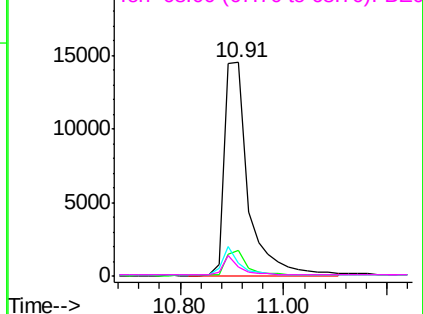


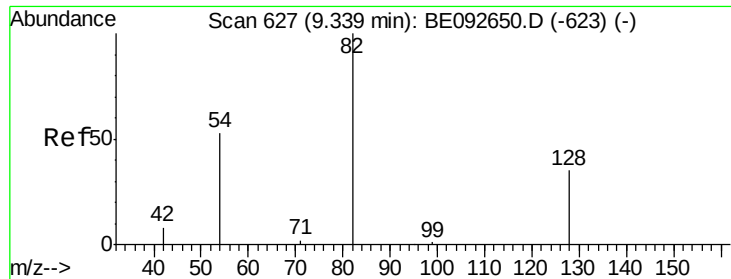
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.01 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.04 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Instrument :

BNA_E

ClientSampleId :

PB96821BL

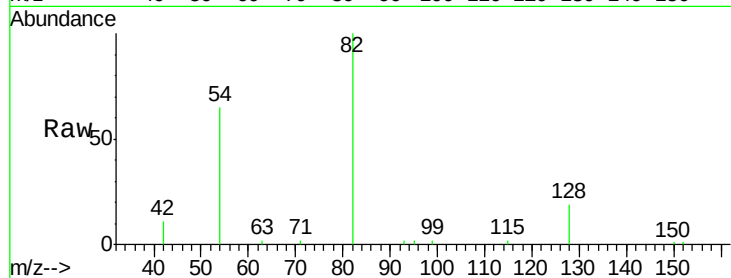
Tgt Ion: 82 Resp: 12095

Ion Ratio Lower Upper

82 100

128 18.9 39.0 58.4#

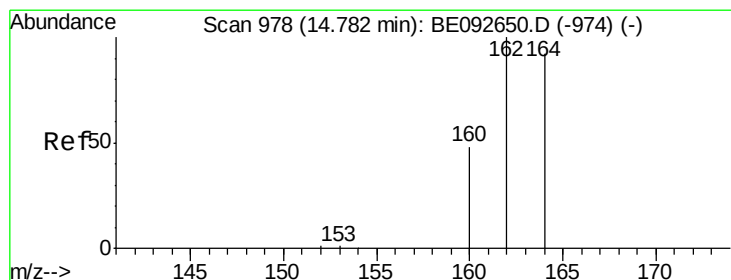
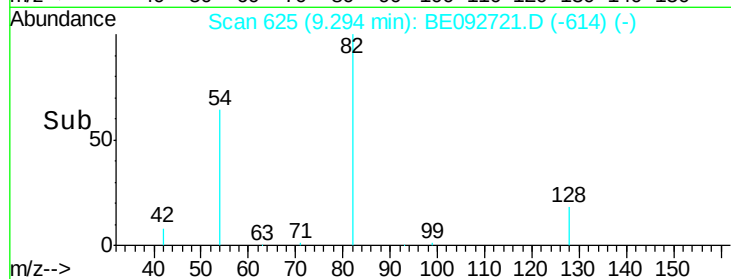
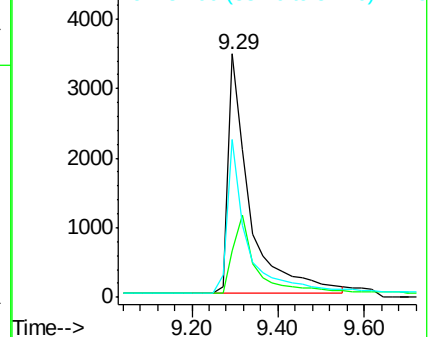
54 64.8 44.8 67.2



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

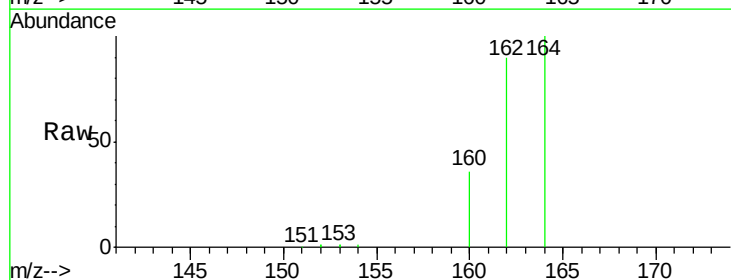
Tgt Ion: 164 Resp: 26093

Ion Ratio Lower Upper

164 100

162 90.3 71.4 107.0

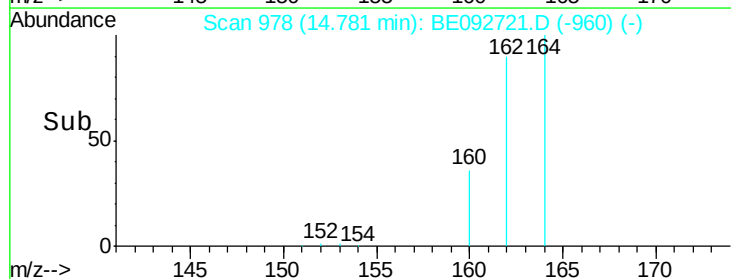
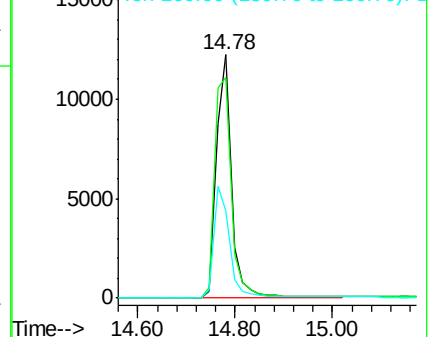
160 35.9 27.4 41.2

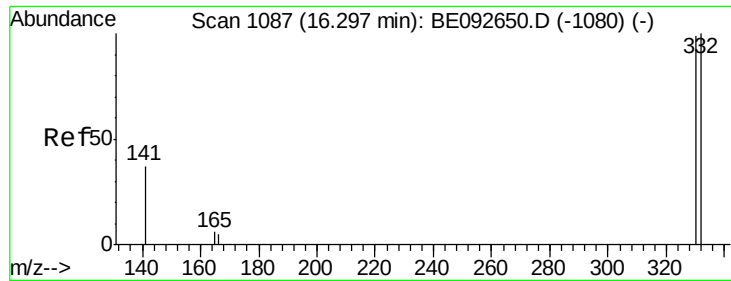


Abundance Ion 164.00 (163.70 to 164.70): BE0

Ion 162.00 (161.70 to 162.70): BE0

Ion 160.00 (159.70 to 160.70): BE0

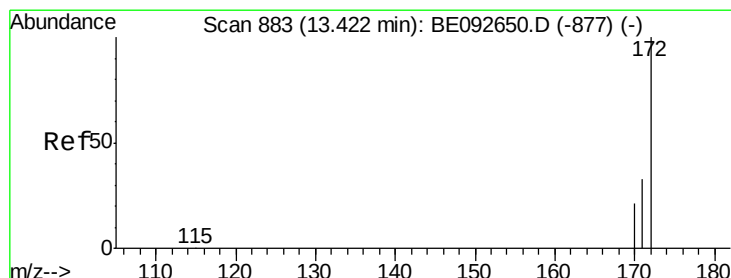
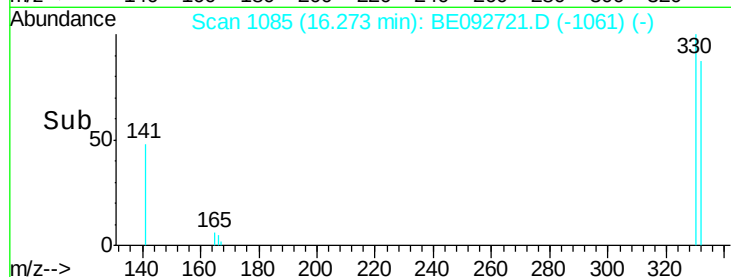
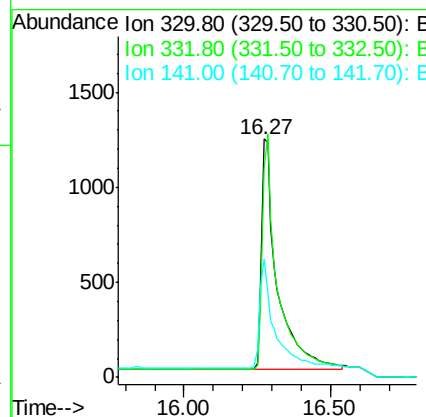
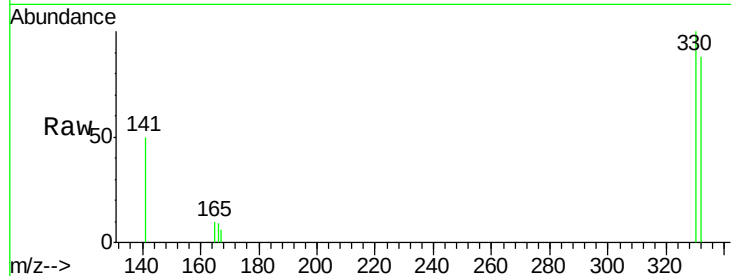




#13
 2,4,6-Tribromophenol
 Concen: 5.89 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BE092721.D
 Acq: 10 Feb 2017 14:51

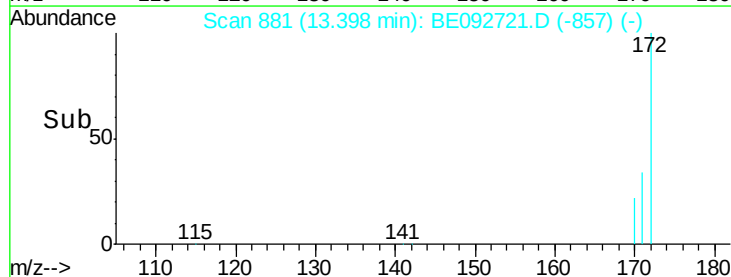
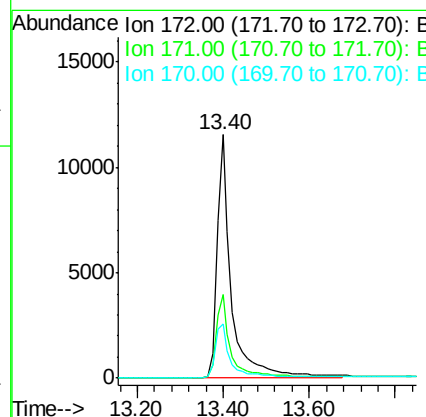
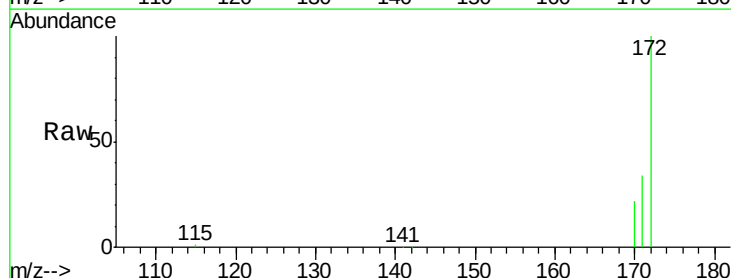
Instrument :
 BNA_E
 ClientSampleId :
 PB96821BL

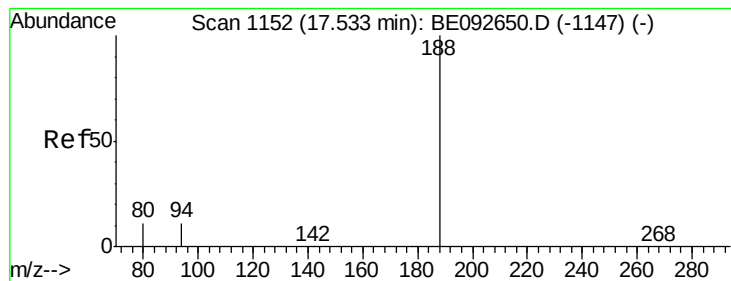
Tgt Ion: 330 Resp: 4511
 Ion Ratio Lower Upper
 330 100
 332 97.6 75.4 113.0
 141 44.0 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.14 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092721.D
 Acq: 10 Feb 2017 14:51

Tgt Ion: 172 Resp: 26561
 Ion Ratio Lower Upper
 172 100
 171 34.1 30.1 45.1
 170 22.4 21.8 32.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Instrument :

BNA_E

ClientSampleId :

PB96821BL

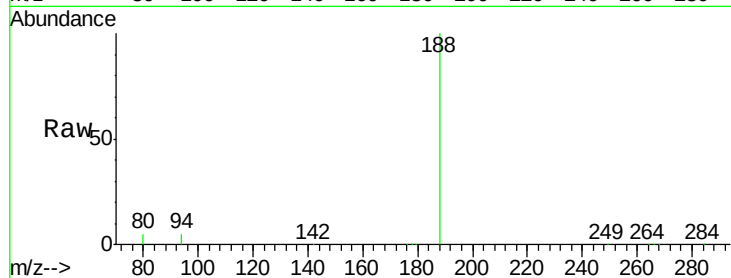
Tgt Ion:188 Resp: 47663

Ion Ratio Lower Upper

188 100

94 4.9 3.2 4.8#

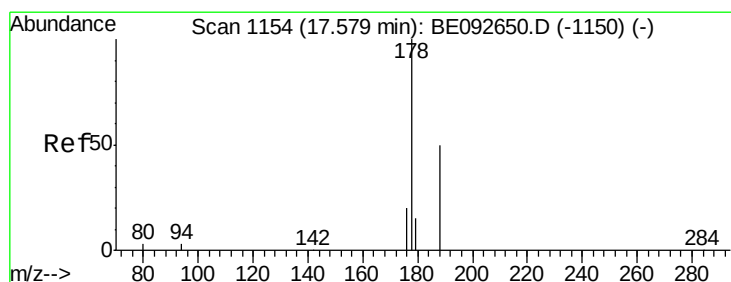
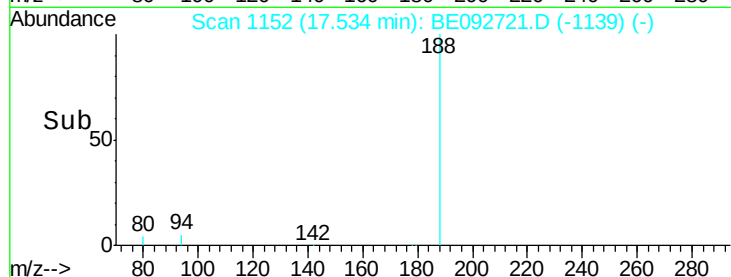
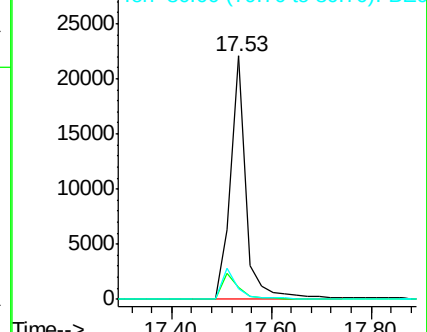
80 4.6 2.6 3.8#



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



#21

Phenanthrene

Concen: 0.06 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

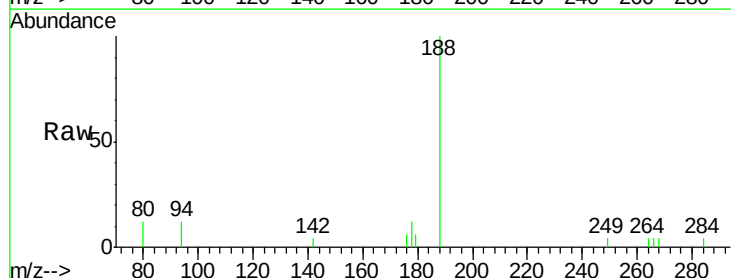
Tgt Ion:178 Resp: 614

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

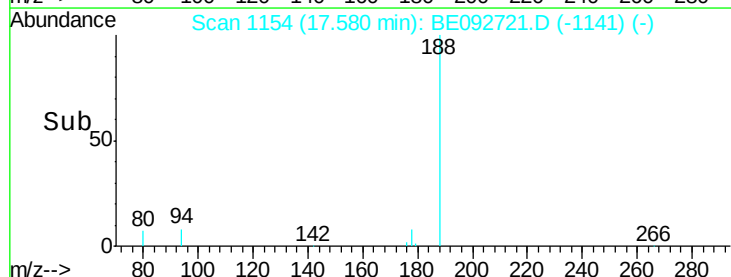
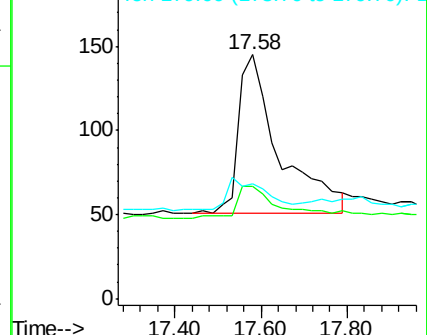
179 0.0 16.0 24.0#

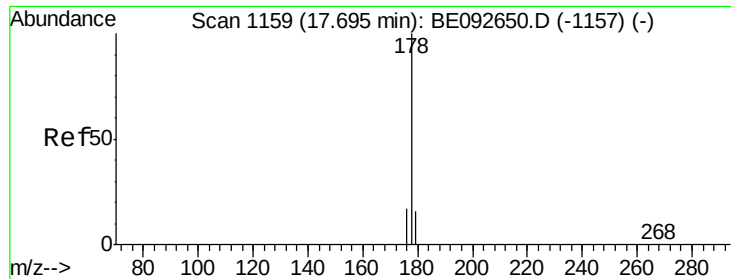


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 0.07 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.11 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Instrument :

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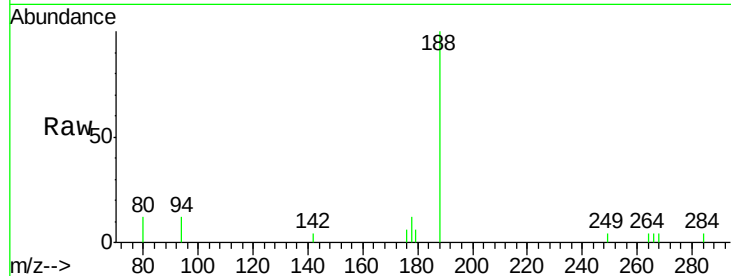
Tgt Ion:178 Resp: 669

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

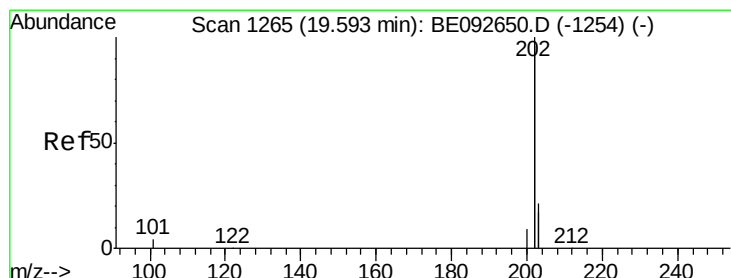
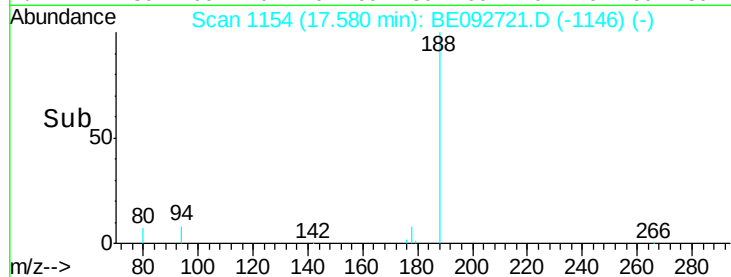
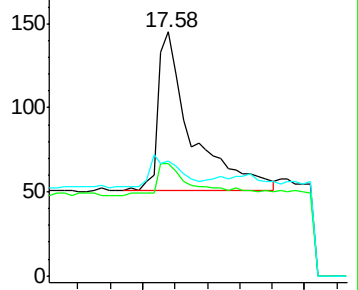
179 0.0 12.2 18.2#



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



#23

Fluoranthene

Concen: 0.06 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

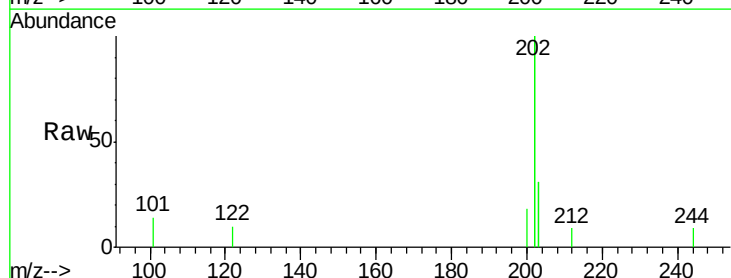
Tgt Ion:202 Resp: 2734

Ion Ratio Lower Upper

202 100

101 2.6 2.2 3.4

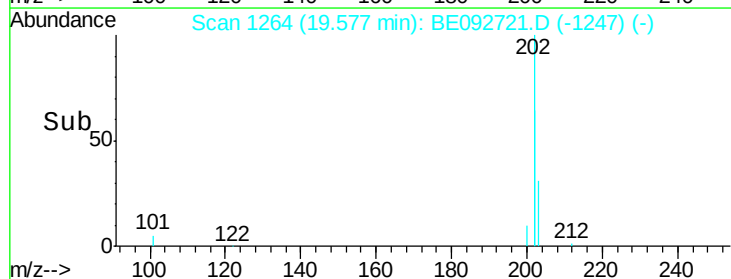
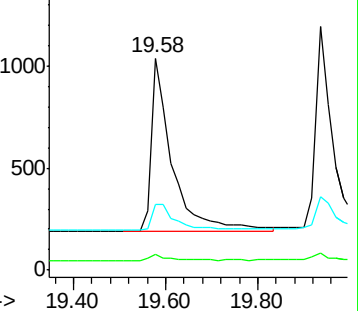
203 17.5 13.7 20.5

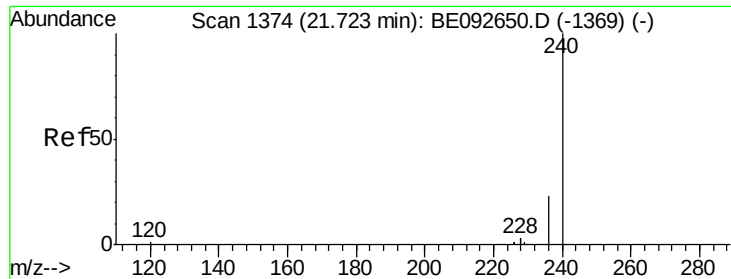


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Instrument :

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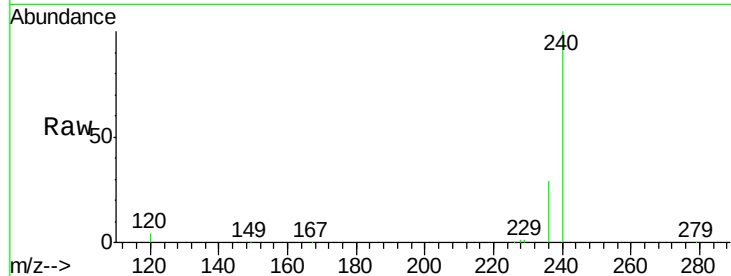
Tgt Ion:240 Resp: 59101

Ion Ratio Lower Upper

240 100

120 4.1 2.6 4.0#

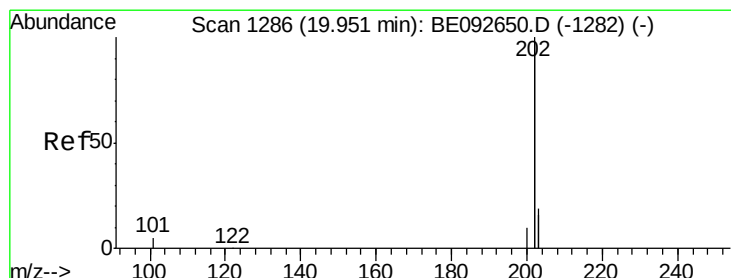
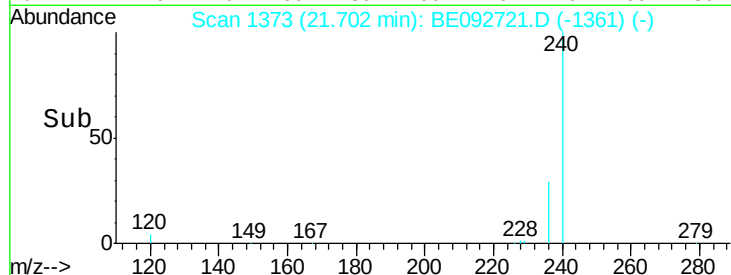
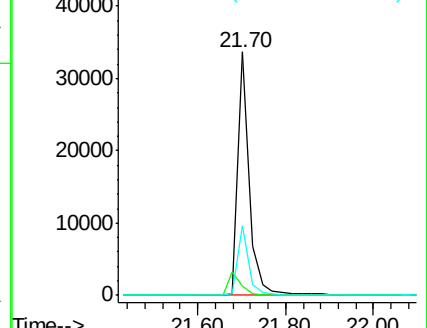
236 28.7 24.6 37.0



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



#25

Pyrene

Concen: 0.04 ng

RT: 19.94 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

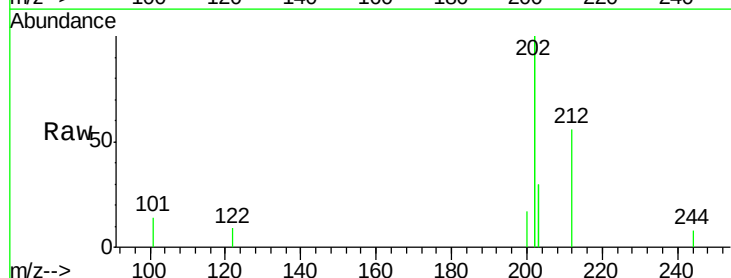
Tgt Ion:202 Resp: 2505

Ion Ratio Lower Upper

202 100

200 5.2 4.2 6.4

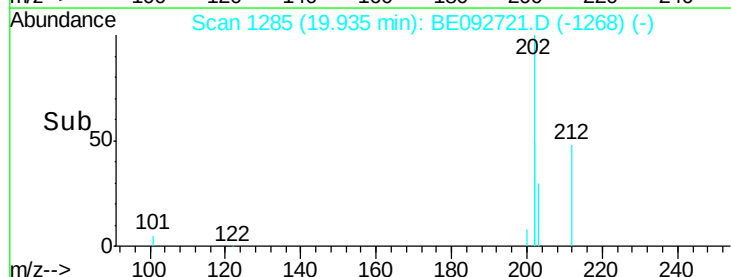
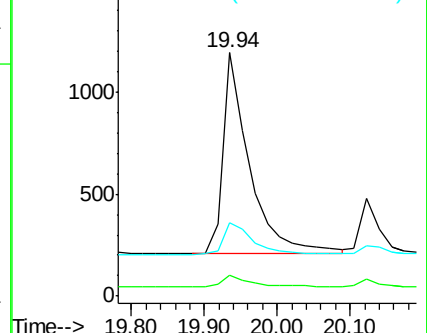
203 19.2 13.9 20.9

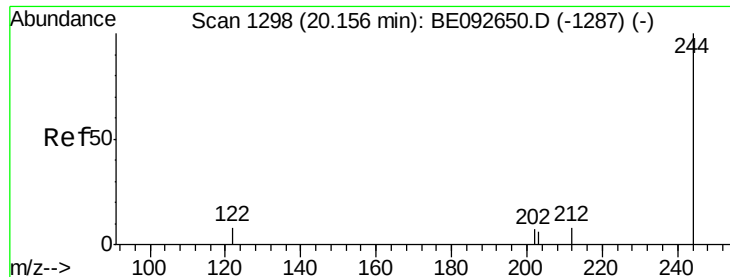


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

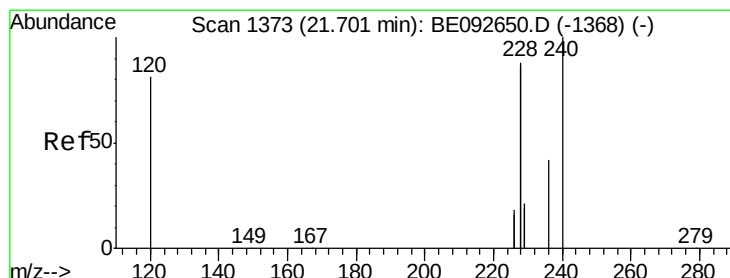
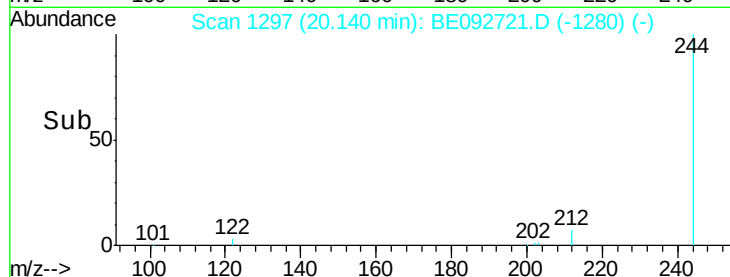
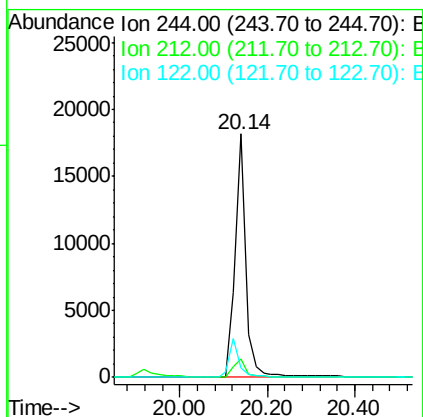
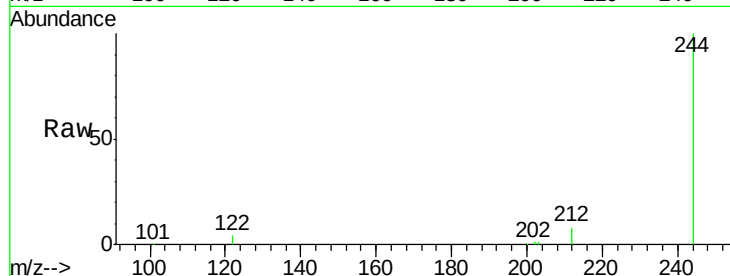




#26
 Terphenyl-d14
 Concen: 3.61 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092721.D
 Acq: 10 Feb 2017 14:51

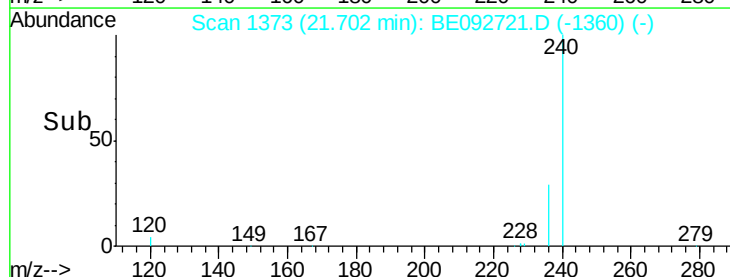
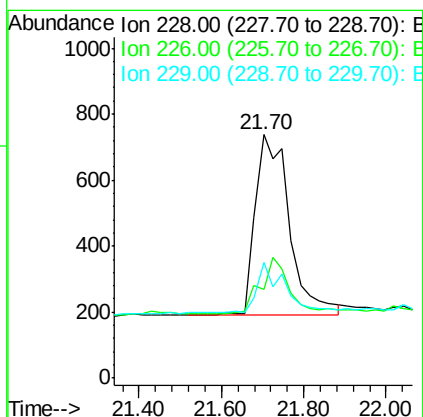
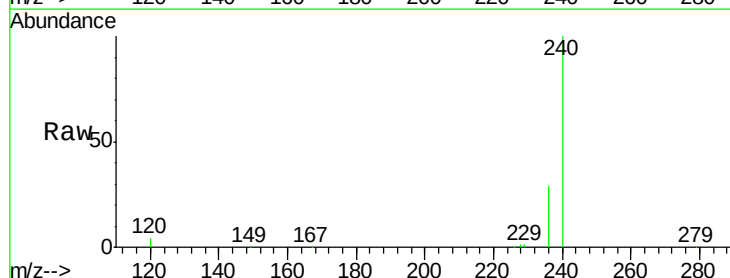
Instrument :
 BNA_E
 ClientSampleId :
 PB96821BL

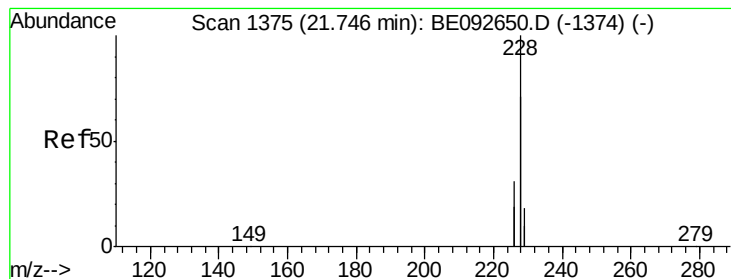
Tgt Ion: 244 Resp: 30169
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.7 10.1
 122 3.8 3.6 5.4



#27
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092721.D
 Acq: 10 Feb 2017 14:51

Tgt Ion: 228 Resp: 3181
 Ion Ratio Lower Upper
 228 100
 226 36.3 23.6 35.4#
 229 47.7 13.3 19.9#





#28

Chrysene

Concen: 0.05 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.04 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Instrument :

BNA_E

ClientSampleId :

PB96821BL

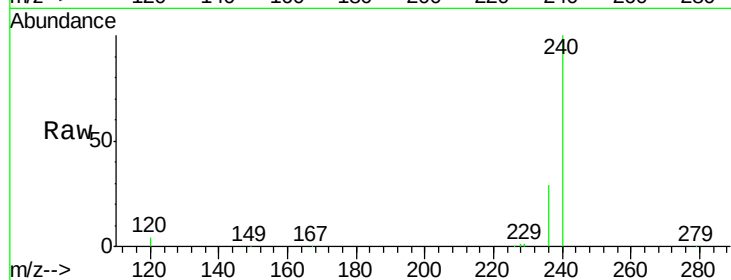
Tgt Ion:228 Resp: 3258

Ion Ratio Lower Upper

228 100

226 36.3 36.3 54.5#

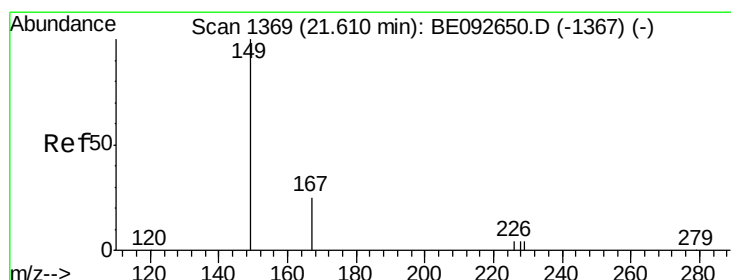
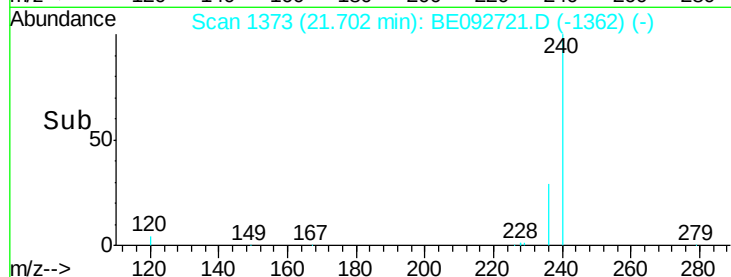
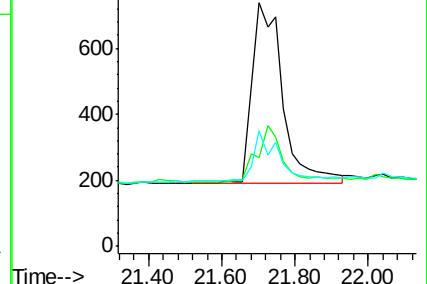
229 47.7 10.6 16.0#



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: 0.26 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

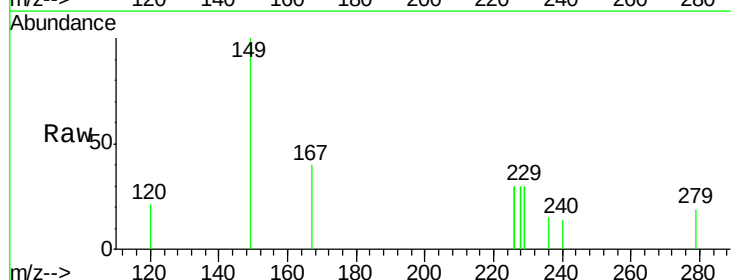
Tgt Ion:149 Resp: 628

Ion Ratio Lower Upper

149 100

167 29.8 16.0 24.0#

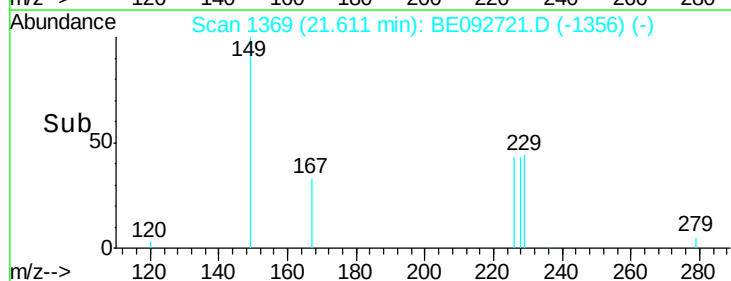
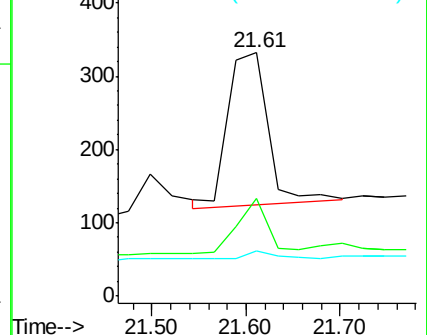
279 2.9 16.0 24.0#

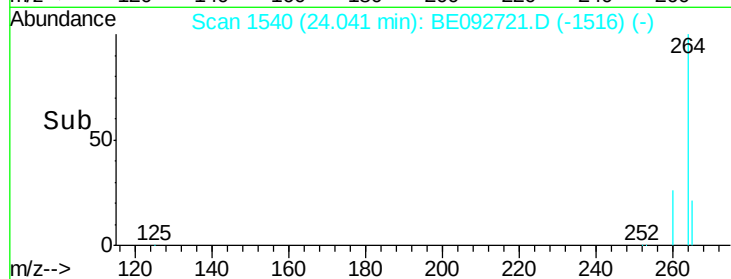
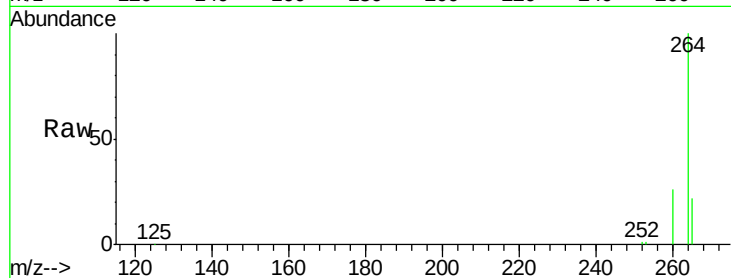
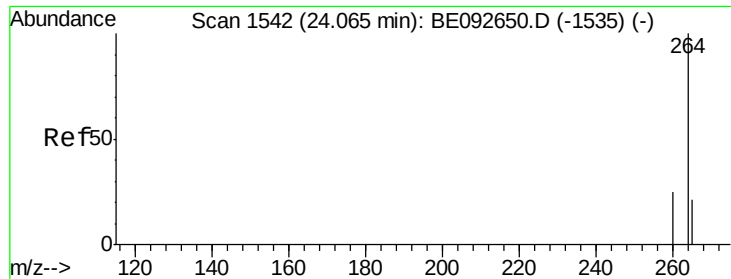


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.04 min Scan# 1540

Delta R.T. -0.02 min

Lab File: BE092721.D

Acq: 10 Feb 2017 14:51

Instrument :

BNA_E

ClientSampleId :

PB96821BL

Tgt Ion: 264 Resp: 54992

Ion Ratio Lower Upper

264 100

260 26.5 20.1 30.1

265 21.6 17.9 26.9

