

Data Path : Z:\HPCHEM1\BNA_E\Data\BE101716\
 Data File : BE092456.D
 Acq On : 17 Oct 2016 17:09
 Operator : UM/SJ
 Sample : H5012-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160927

Quant Time: Oct 17 17:43:45 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

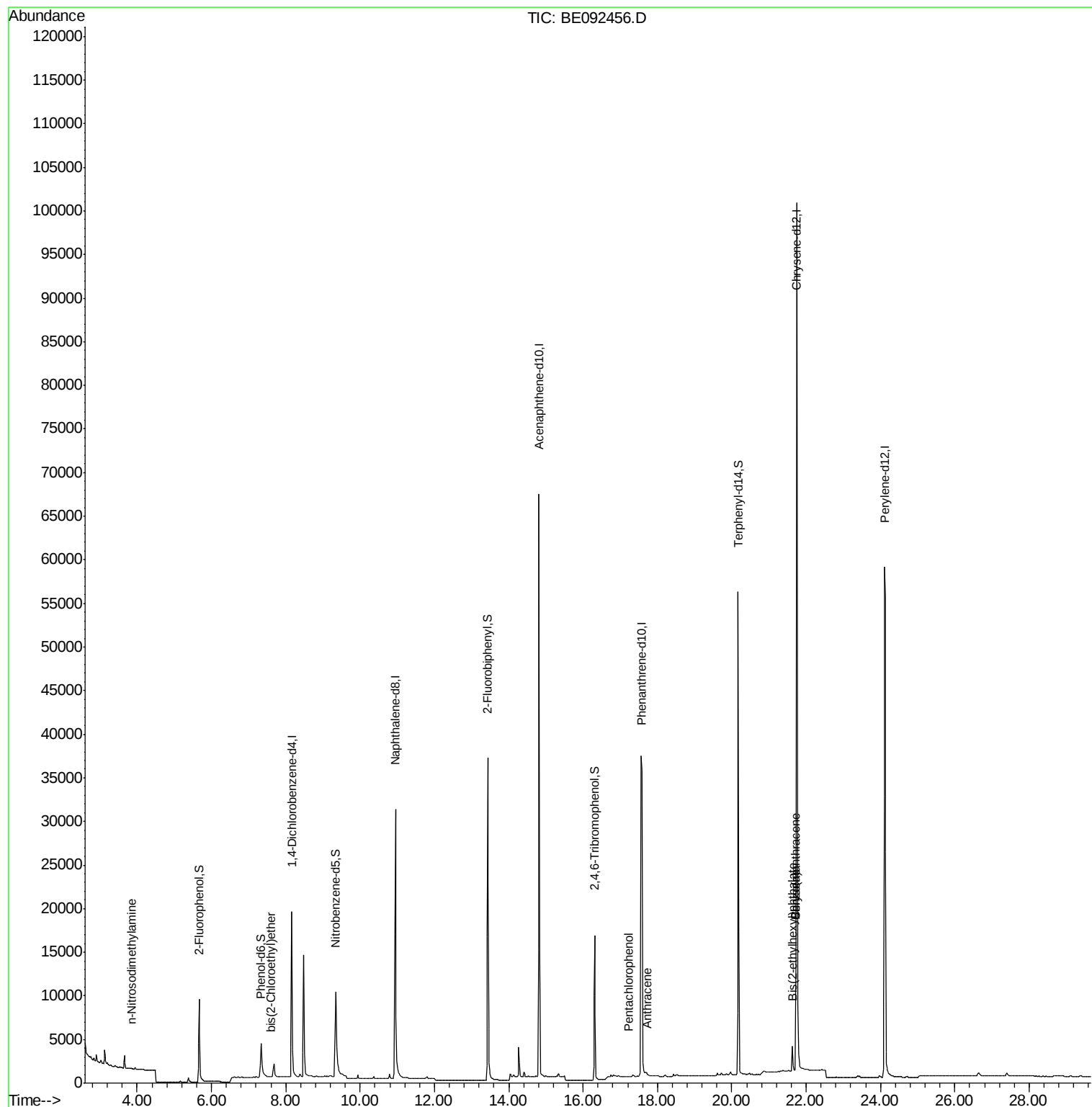
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11145	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	53353	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	40793	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	82316	5.00	ng	0.02
24) Chrysene-d12	21.75	240	117803	5.00	ng	0.00
31) Perylene-d12	24.11	264	93282	5.00	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	8634	3.35	ng	-0.02
5) Phenol-d6	7.34	99	6324	1.75	ng	-0.02
8) Nitrobenzene-d5	9.34	82	13980	3.68	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	10889	7.54	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	39466	4.09	ng	-0.01
26) Terphenyl-d14	20.17	244	67288	4.60	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.41	88	118	Below Cal	#	1
3) n-Nitrosodimethylamine	3.85	42	41	0.21 ng	#	21
6) bis(2-Chloroethyl)ether	7.59	93	6	0.09 ng	#	15
20) Pentachlorophenol	17.24	266	17	0.19 ng	#	70
22) Anthracene	17.72	178	578	0.03 ng	#	77
27) Benzo(a)anthracene	21.72	228	3426	0.03 ng	#	72
28) Chrysene	21.72	228	3440	0.03 ng	#	78
29) Bis(2-ethylhexyl)phthalate	21.63	149	3829	0.39 ng	#	75

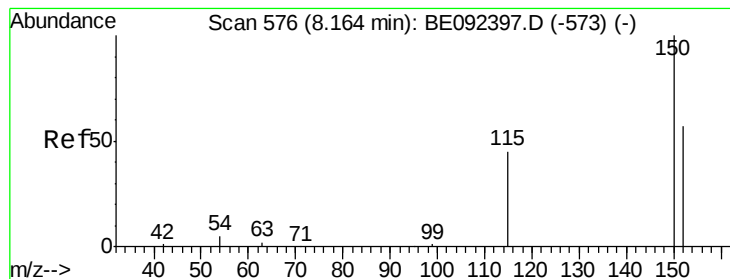
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160927

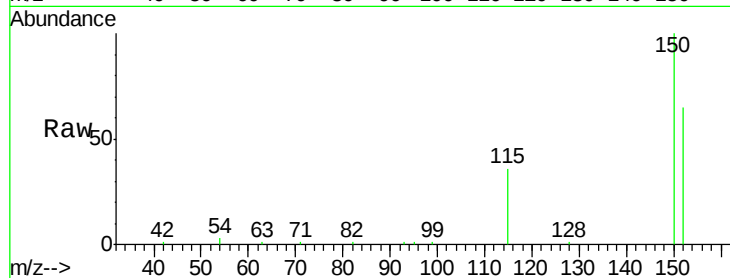
Tgt Ion:152 Resp: 11145

Ion Ratio Lower Upper

152 100

150 153.6 106.0 159.0

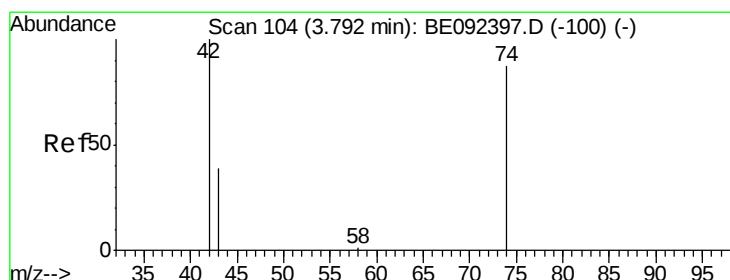
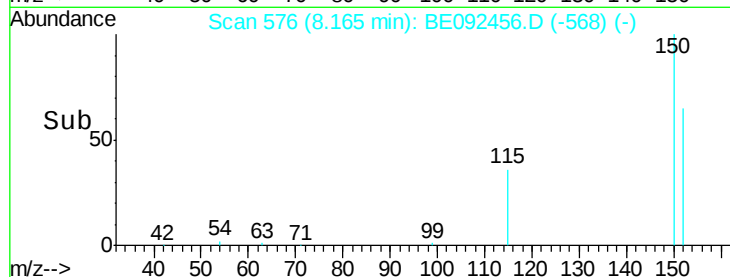
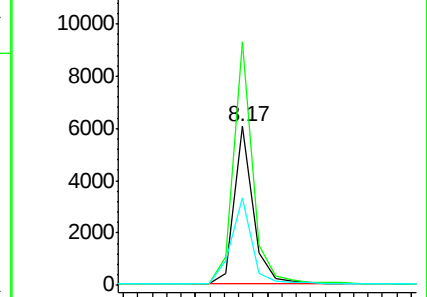
115 55.3 31.2 46.8#



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



#3

n-Nitrosodimethylamine

Concen: 0.21 ng

RT: 3.85 min Scan# 109

Delta R.T. 0.05 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

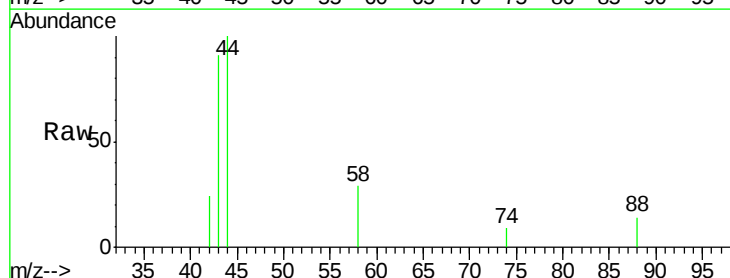
Tgt Ion: 42 Resp: 41

Ion Ratio Lower Upper

42 100

74 22.0 86.0 129.0#

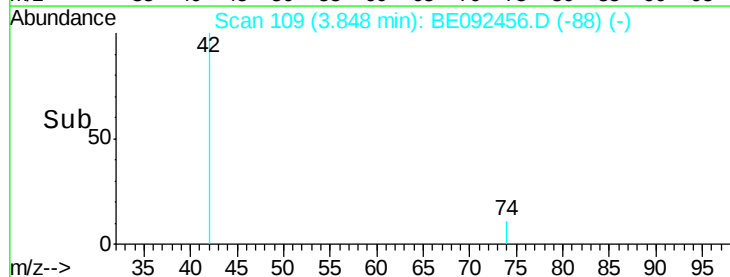
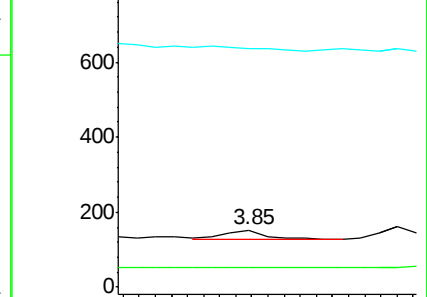
44 0.0 5.1 7.7#

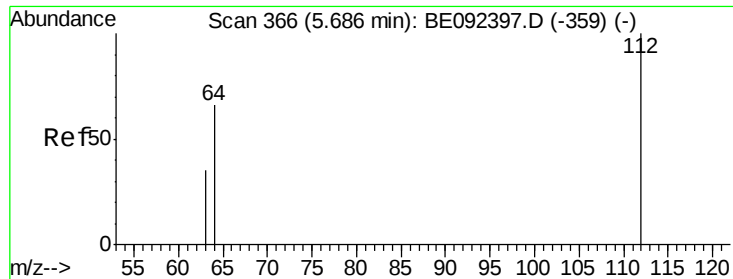


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 3.35 ng

RT: 5.66 min Scan# 362

Delta R.T. -0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

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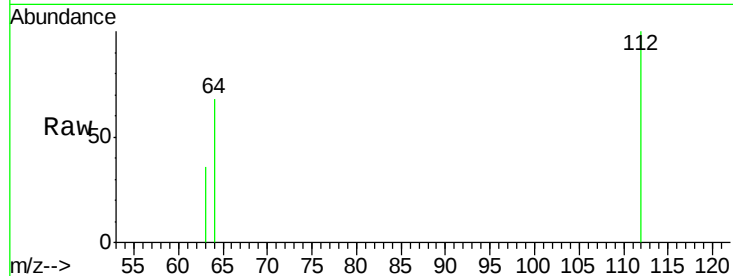
Tgt Ion: 112 Resp: 8634

Ion Ratio Lower Upper

112 100

64 68.3 53.5 80.3

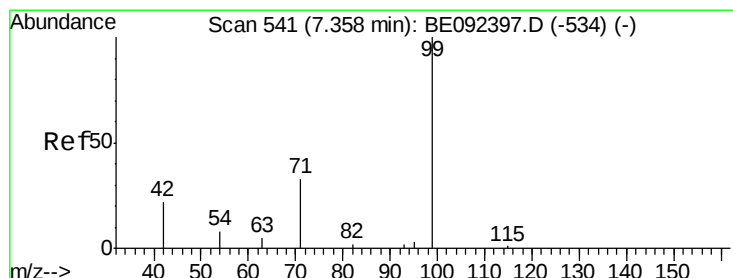
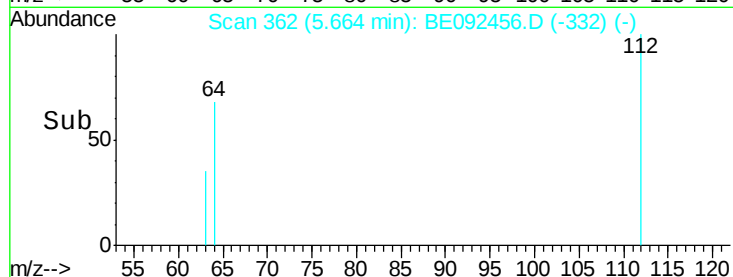
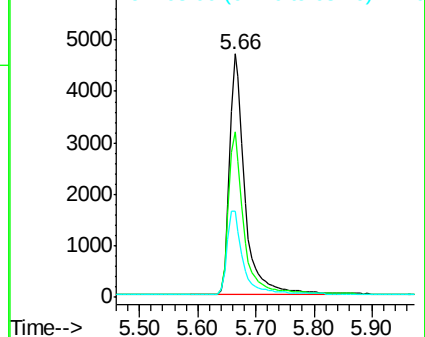
63 36.7 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.75 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

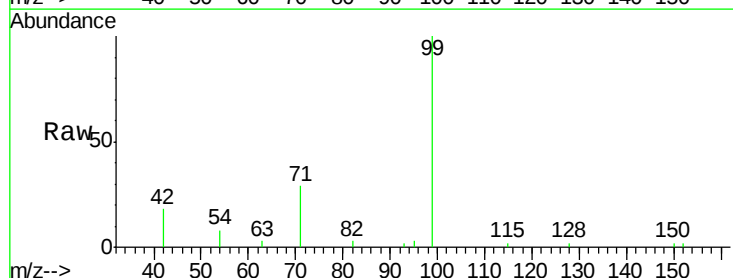
Tgt Ion: 99 Resp: 6324

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

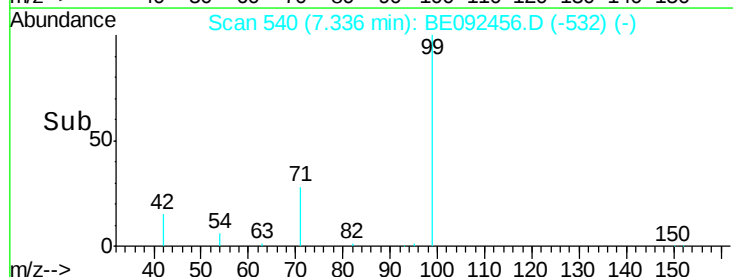
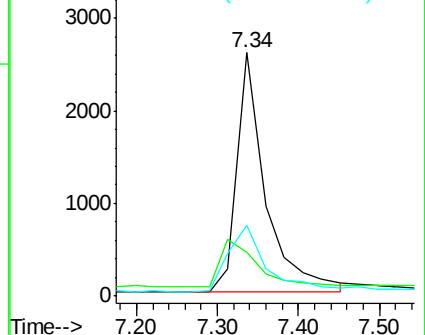
71 36.6 30.6 45.8

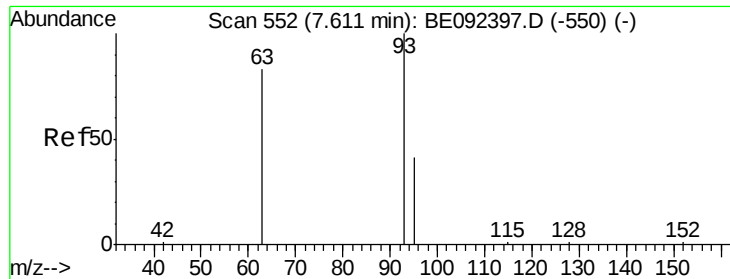


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160927

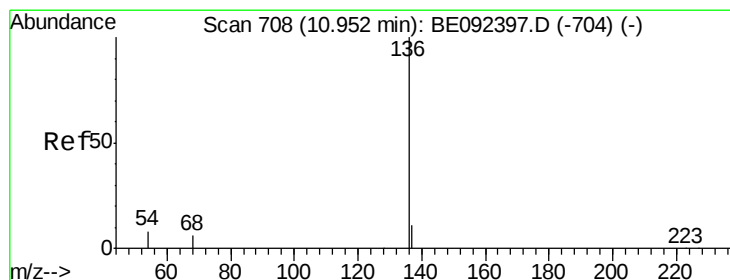
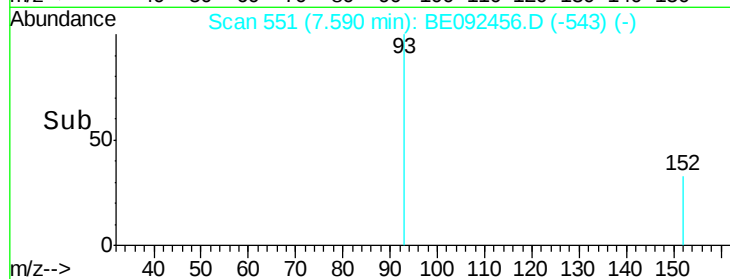
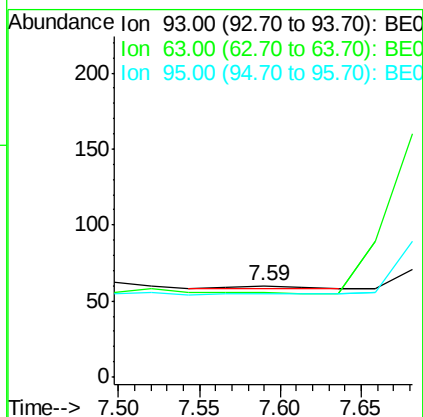
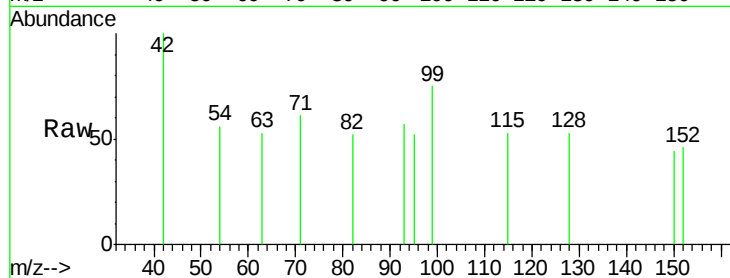
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 0.0 24.0 36.0#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Tgt Ion: 136 Resp: 53353

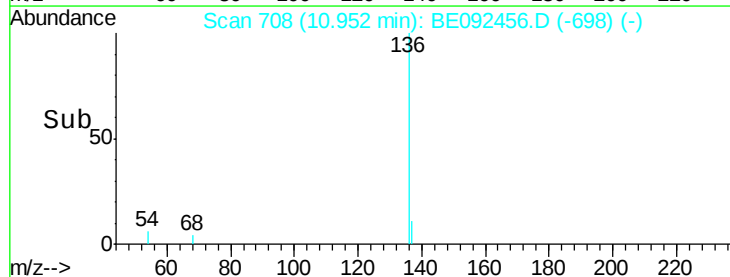
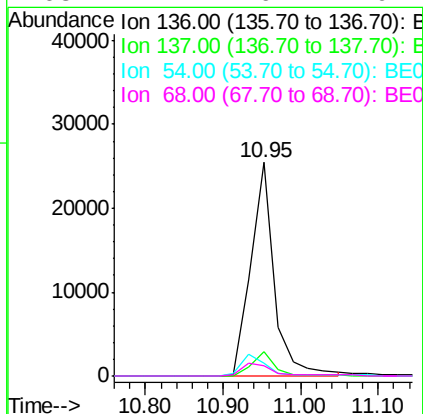
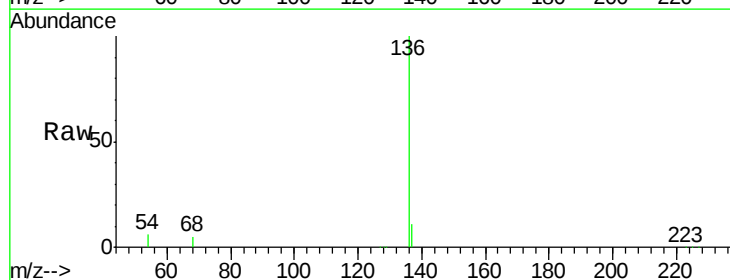
Ion Ratio Lower Upper

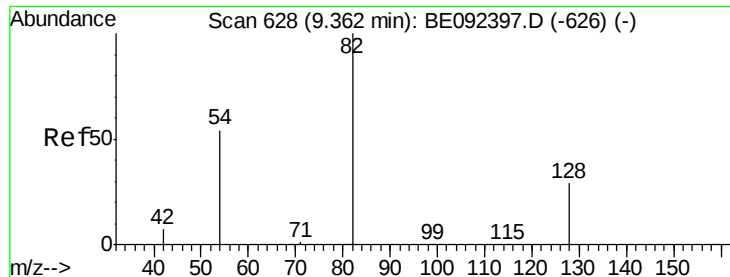
136 100

137 11.4 8.2 12.4

54 6.0 9.6 14.4#

68 4.7 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 3.68 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160927

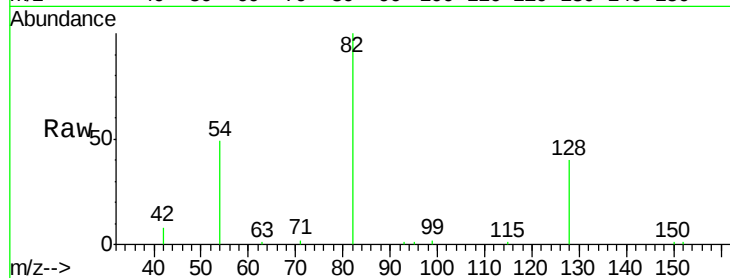
Tgt Ion: 82 Resp: 13980

Ion Ratio Lower Upper

82 100

128 39.7 39.0 58.4

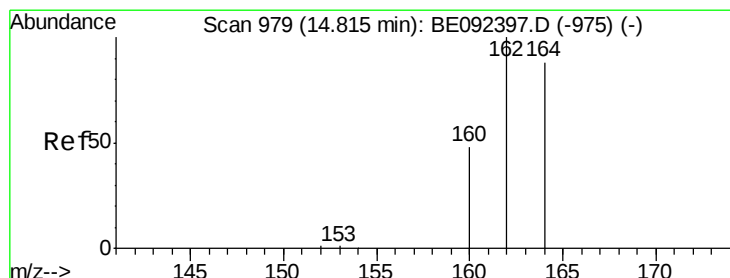
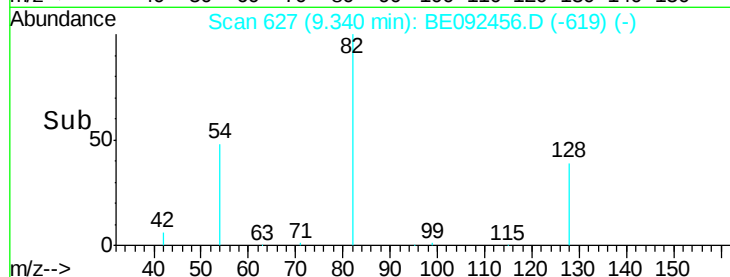
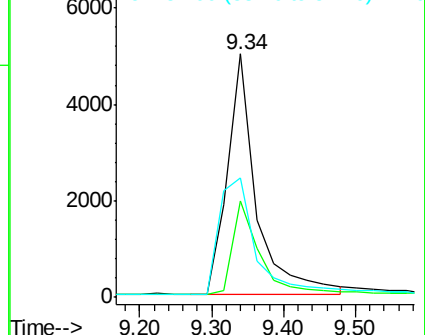
54 49.2 44.8 67.2



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: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

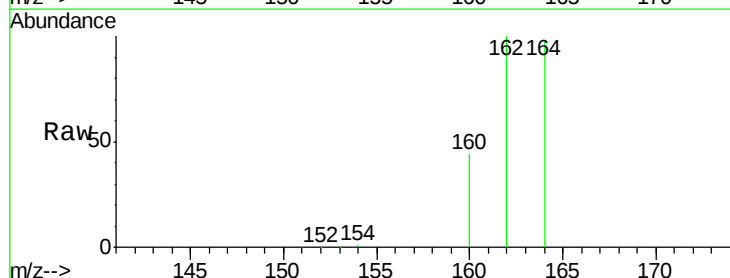
Tgt Ion: 164 Resp: 40793

Ion Ratio Lower Upper

164 100

162 101.9 71.4 107.0

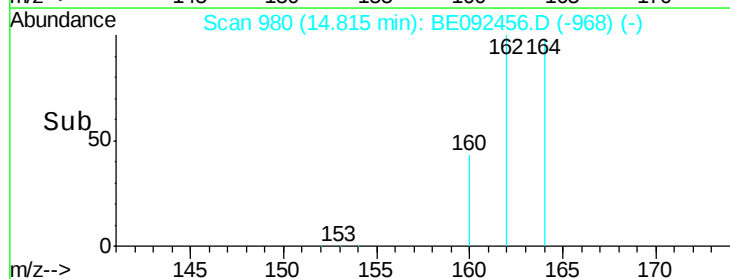
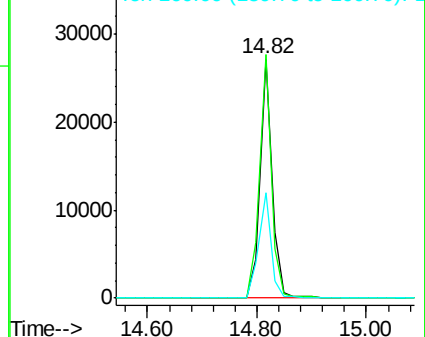
160 44.3 27.4 41.2#

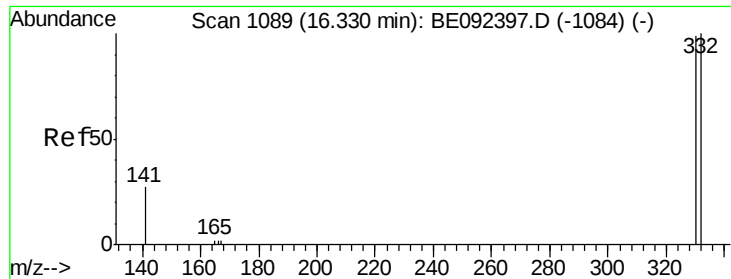


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

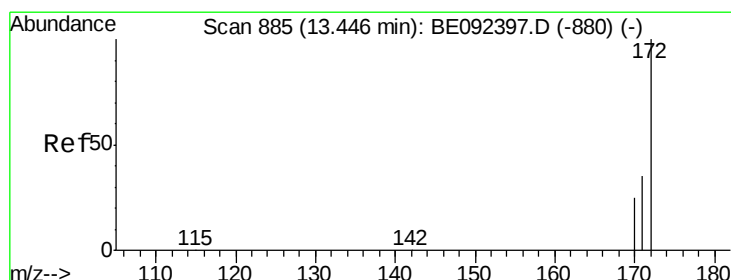
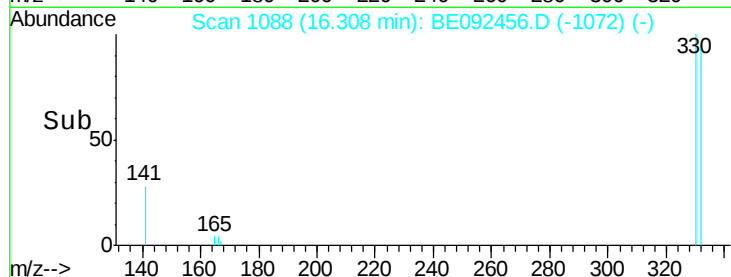
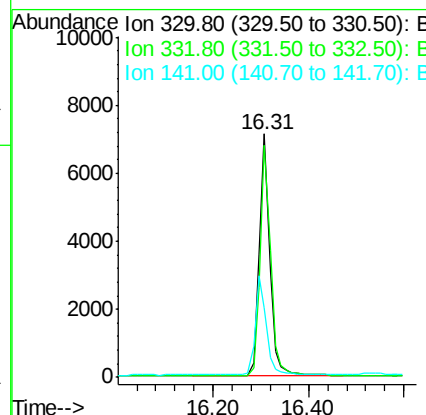
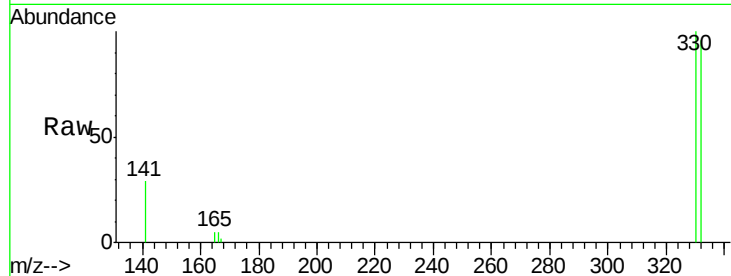




#13
 2,4,6-Tribromophenol
 Concen: 7.54 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092456.D
 Acq: 17 Oct 2016 17:09

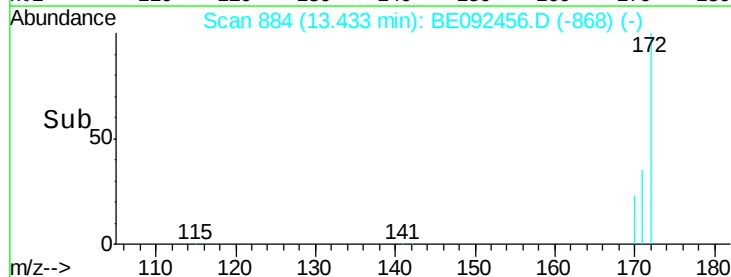
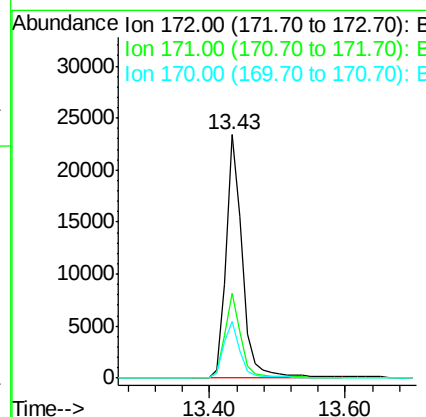
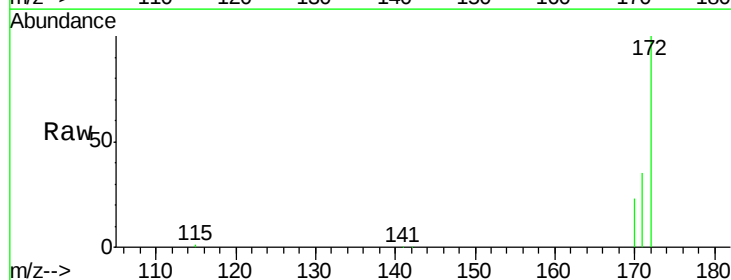
Instrument :
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 KY038PS027-160927

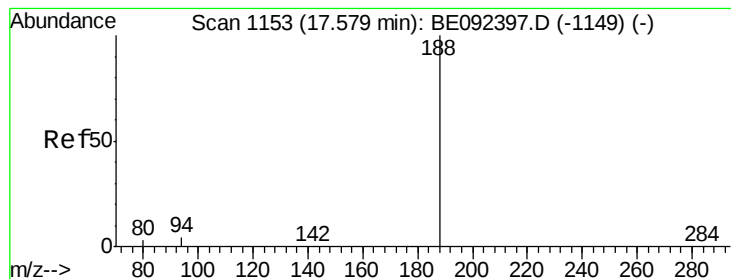
Tgt Ion:330 Resp: 10889
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.0
 141 43.5 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.09 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092456.D
 Acq: 17 Oct 2016 17:09

Tgt Ion:172 Resp: 39466
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.1 45.1
 170 23.4 21.8 32.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160927

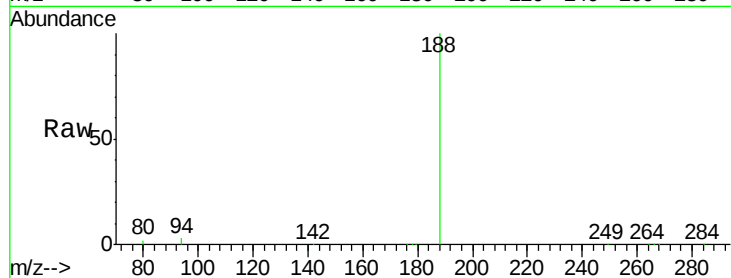
Tgt Ion:188 Resp: 82316

Ion Ratio Lower Upper

188 100

94 2.8 3.2 4.8#

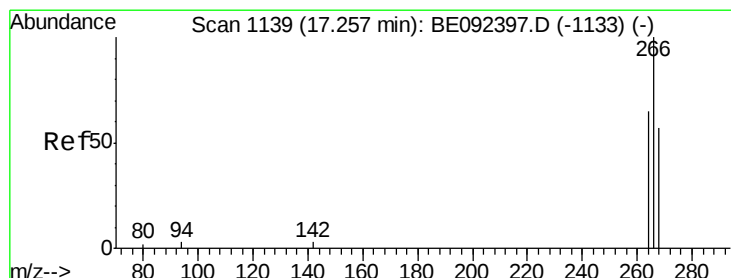
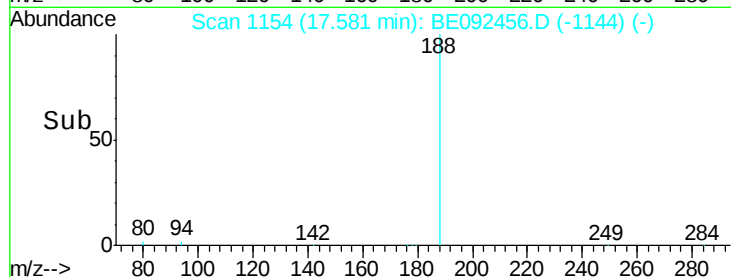
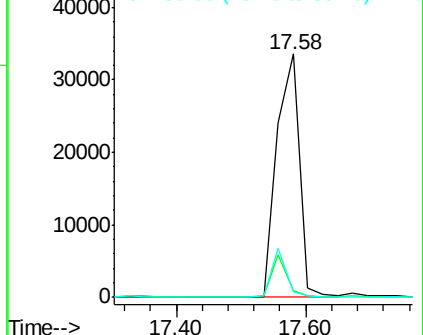
80 2.2 2.6 3.8#



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: 0.19 ng

RT: 17.24 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

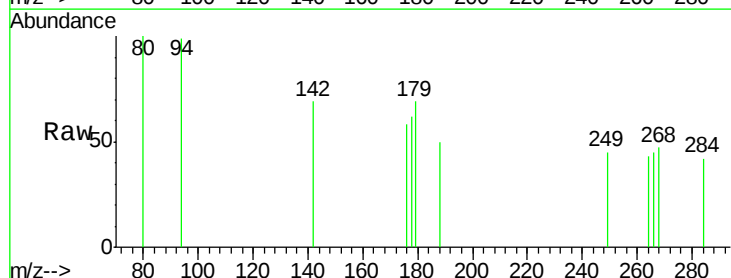
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 104.2 62.5 93.7#

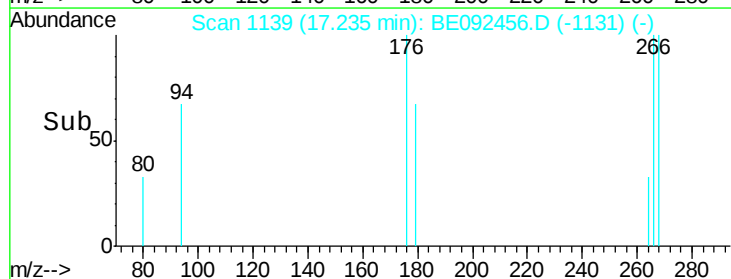
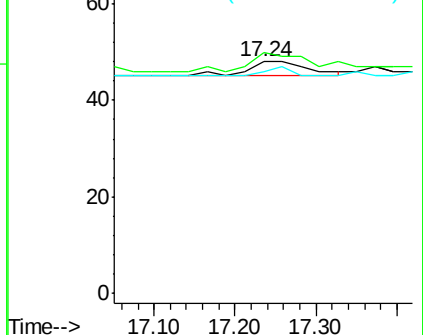
264 95.8 57.2 85.8#

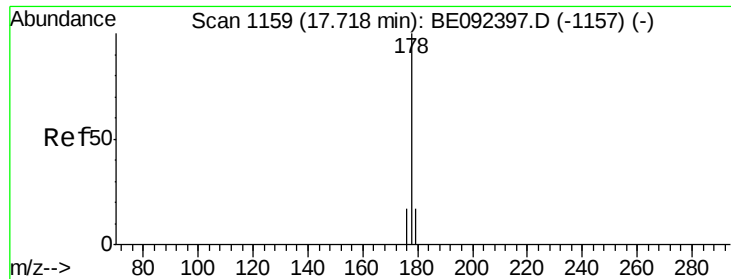


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Anthracene

Concen: 0.03 ng

RT: 17.72 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE092456.D

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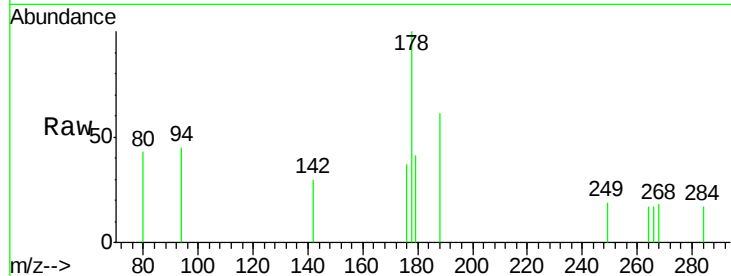
Tgt Ion:178 Resp: 578

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

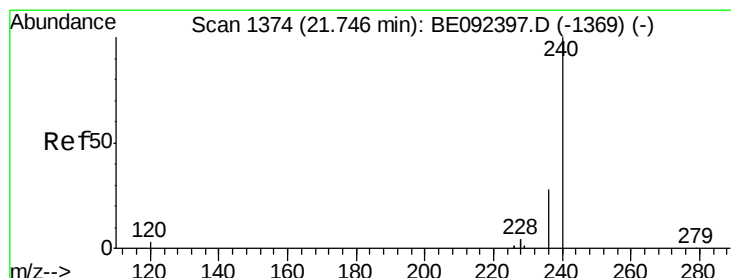
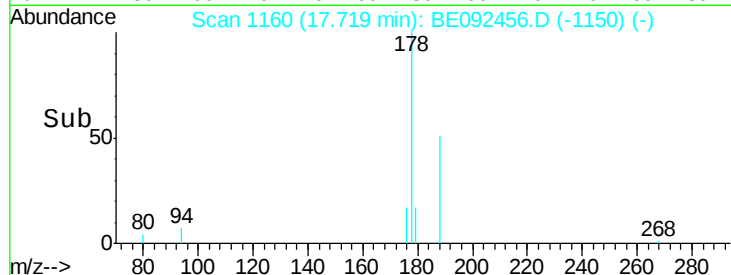
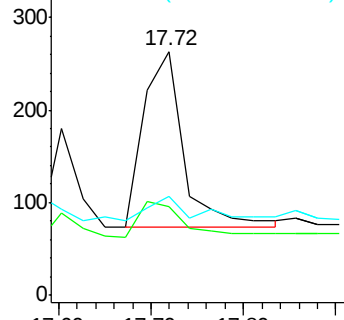
179 15.2 12.2 18.2



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

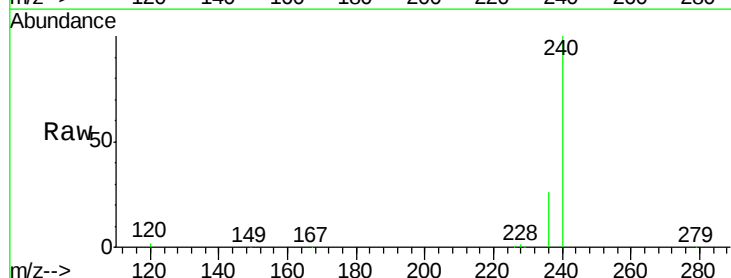
Tgt Ion:240 Resp: 117803

Ion Ratio Lower Upper

240 100

120 1.7 2.6 4.0#

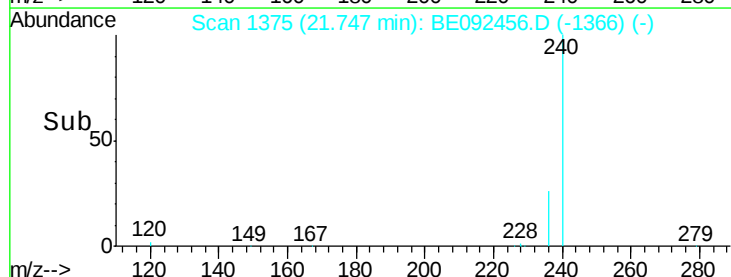
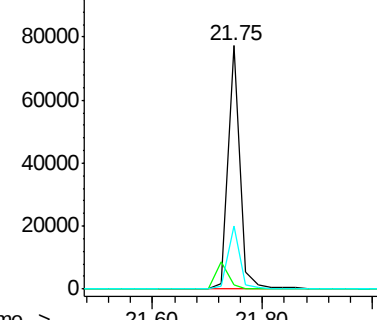
236 26.2 24.6 37.0

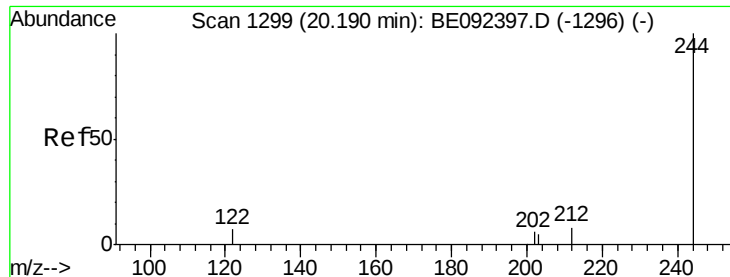


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Terphenyl-d14

Concen: 4.60 ng

RT: 20.17 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160927

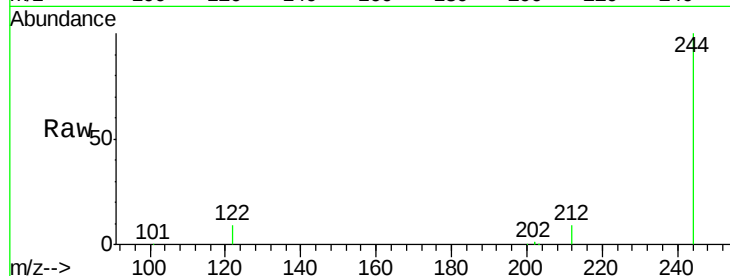
Tgt Ion:244 Resp: 67288

Ion Ratio Lower Upper

244 100

212 9.0 6.7 10.1

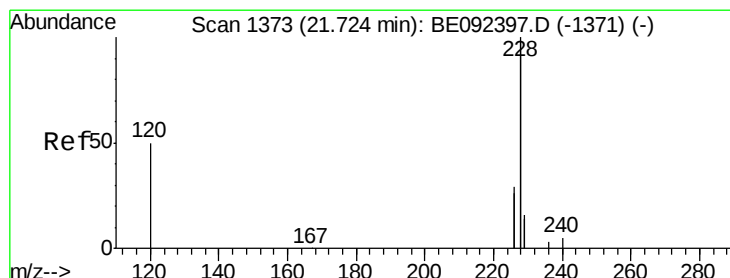
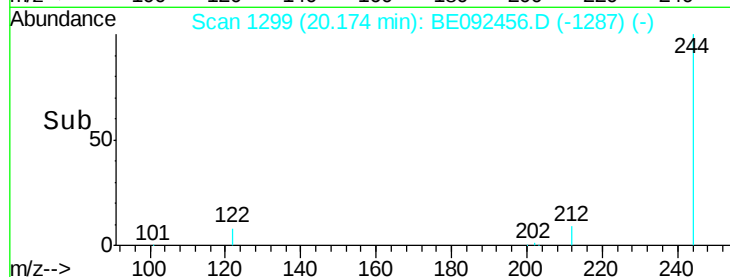
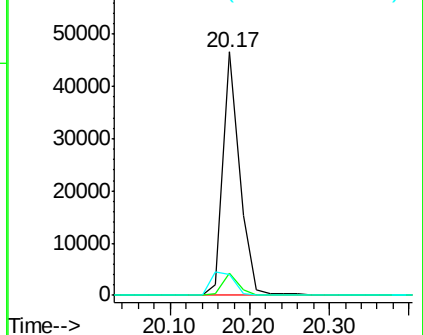
122 8.5 3.6 5.4#



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: 0.03 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

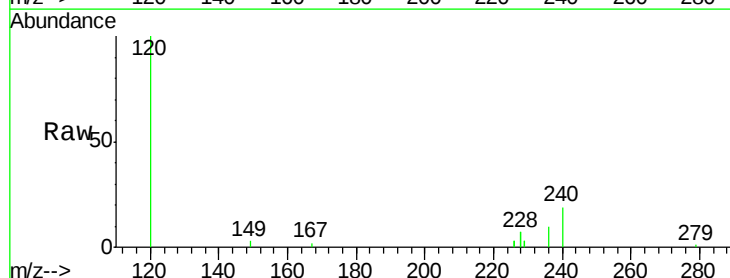
Tgt Ion:228 Resp: 3426

Ion Ratio Lower Upper

228 100

226 38.4 23.6 35.4#

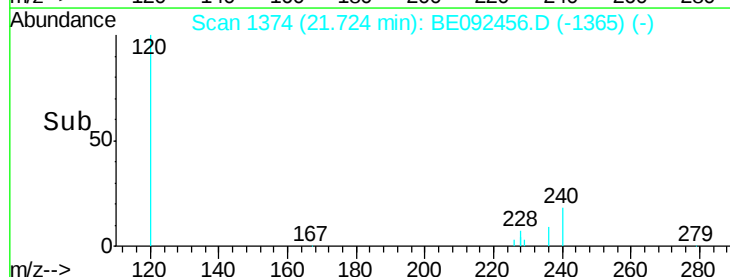
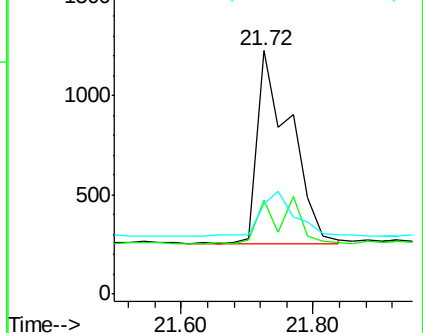
229 36.8 13.3 19.9#

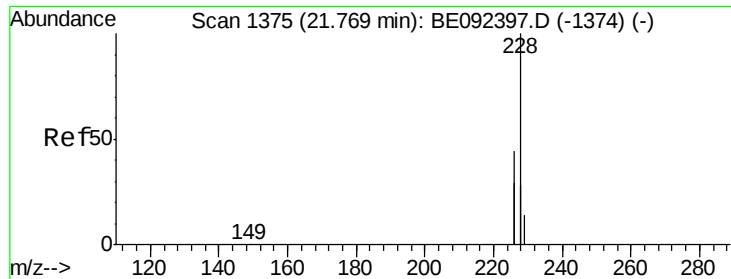


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Chrysene

Concen: 0.03 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160927

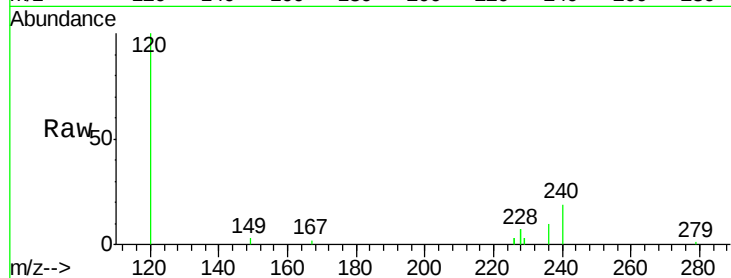
Tgt Ion:228 Resp: 3440

Ion Ratio Lower Upper

228 100

226 38.4 36.3 54.5

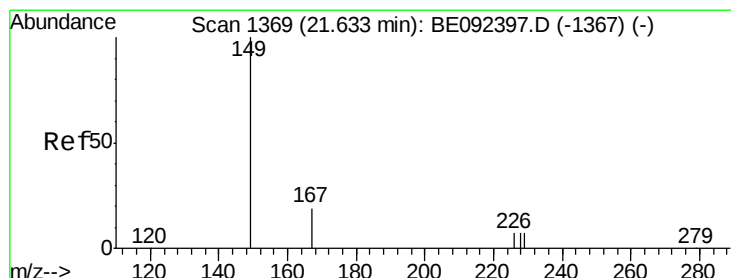
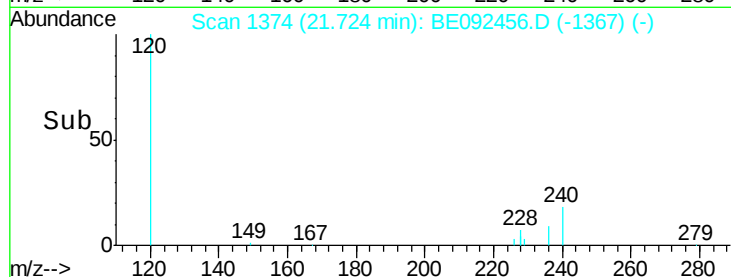
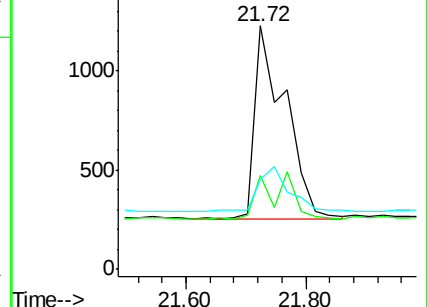
229 36.8 10.6 16.0#



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: 0.39 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

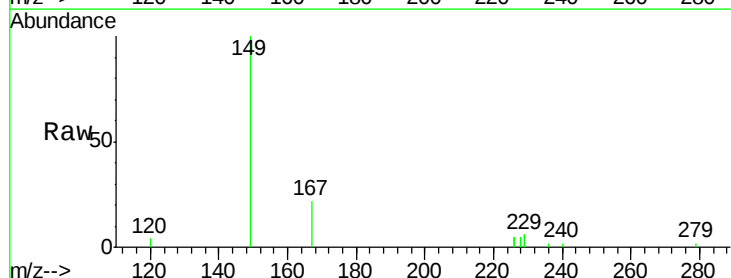
Tgt Ion:149 Resp: 3829

Ion Ratio Lower Upper

149 100

167 22.7 16.0 24.0

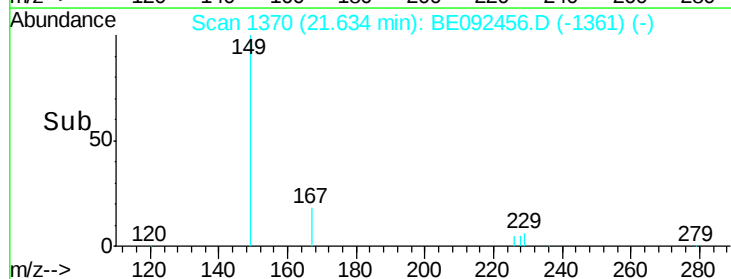
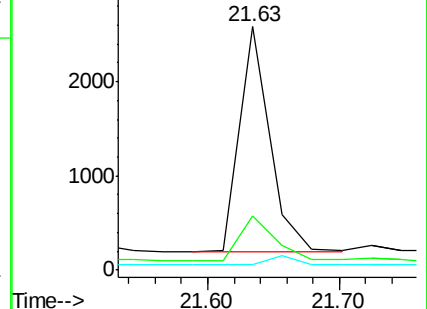
279 0.0 16.0 24.0#

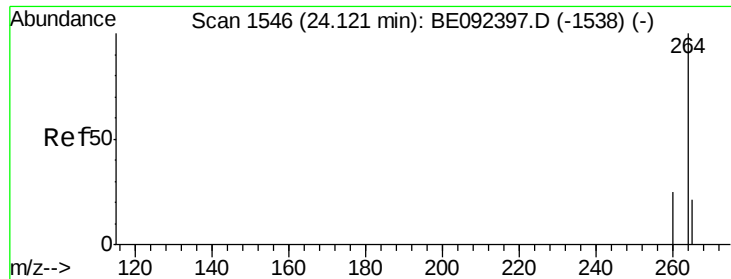


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.11 min Scan# 1546

Delta R.T. 0.02 min

Lab File: BE092456.D

Acq: 17 Oct 2016 17:09

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160927

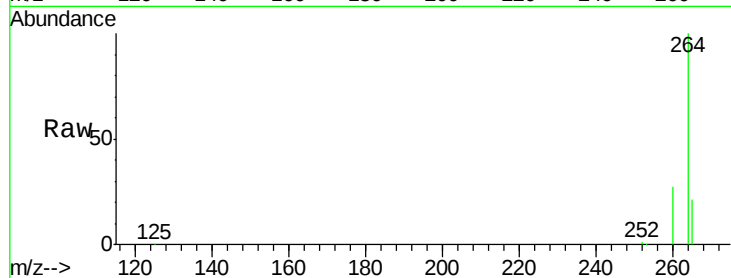
Tgt Ion: 264 Resp: 93282

Ion Ratio Lower Upper

264 100

260 26.9 20.1 30.1

265 20.7 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

