

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120116\
 Data File : BE092585.D
 Acq On : 1 Dec 2016 13:21
 Operator : UM/SJ
 Sample : H5778-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-161128

Quant Time: Dec 02 01:00:53 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8653	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	39095	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	26302	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	56080	5.00	ng	0.00
24) Chrysene-d12	21.72	240	87758	5.00	ng	0.00
31) Perylene-d12	24.08	264	76829	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	5994	4.10	ng	-0.02
5) Phenol-d6	7.34	99	4035	1.74	ng	-0.02
8) Nitrobenzene-d5	9.32	82	11221	4.43	ng	-0.04
13) 2,4,6-Tribromophenol	16.30	330	5219	8.84	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	28391	4.43	ng	-0.01
26) Terphenyl-d14	20.16	244	48942	4.88	ng	-0.02

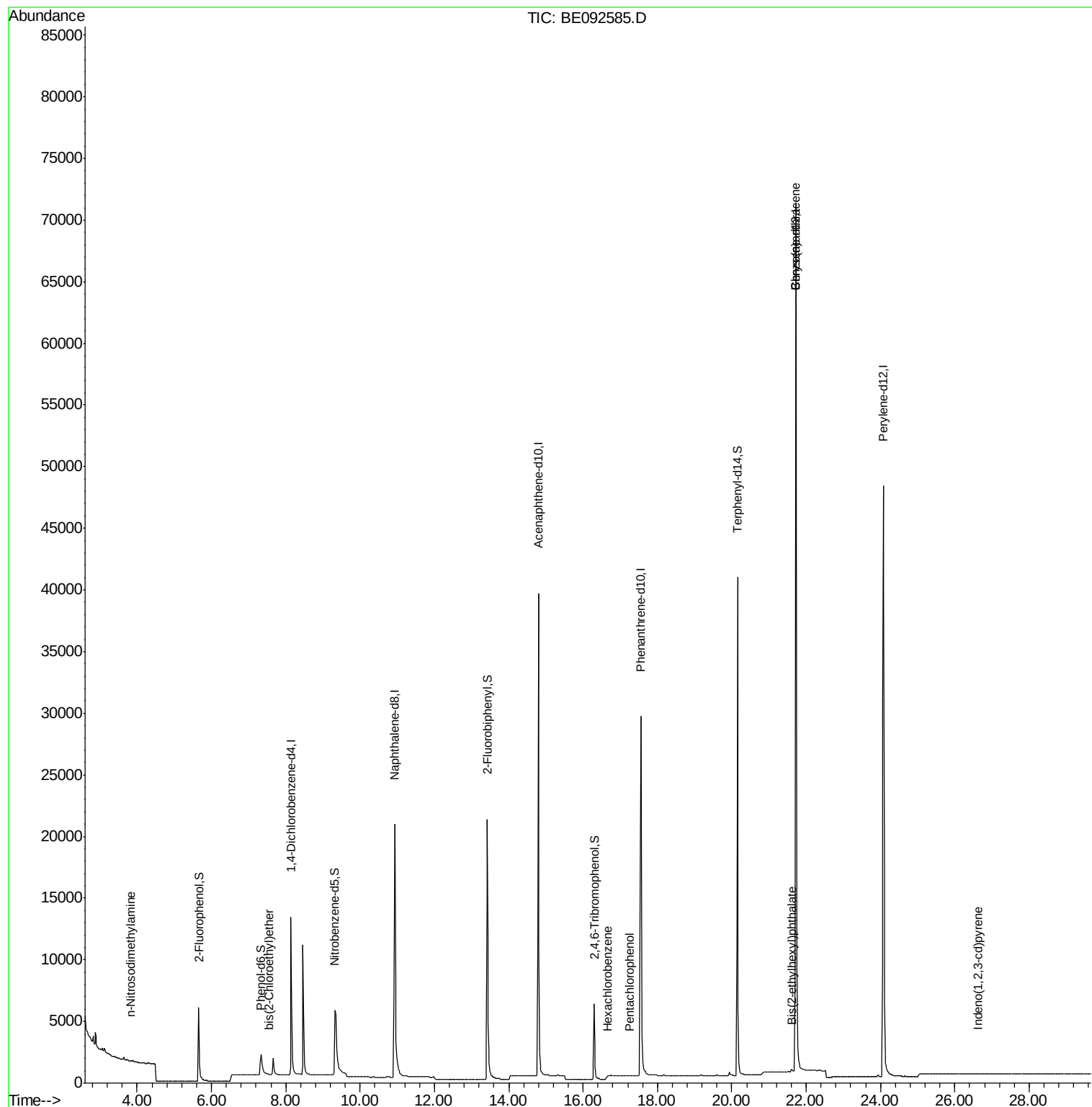
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	43	Below Cal	#	19
3) n-Nitrosodimethylamine	3.83	42	51	0.21 ng	#	14
6) bis(2-Chloroethyl)ether	7.54	93	15	0.05 ng	#	24
19) Hexachlorobenzene	16.66	284	287	0.13 ng	#	1
20) Pentachlorophenol	17.26	266	32	0.11 ng	#	72
27) Benzo(a)anthracene	21.72	228	1007	0.11 ng	#	63
29) Bis(2-ethylhexyl)phthalate	21.61	149	310	0.17 ng	#	68
30) Indeno(1,2,3-cd)pyrene	26.63	276	166	0.05 ng	#	67

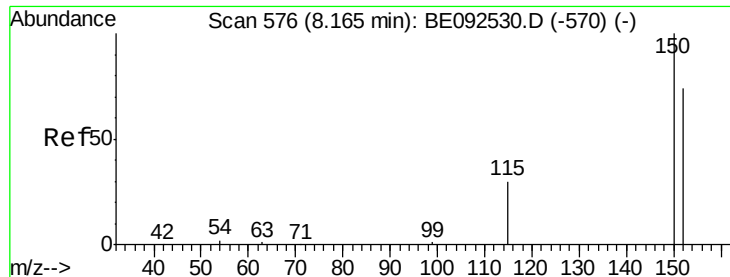
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161128

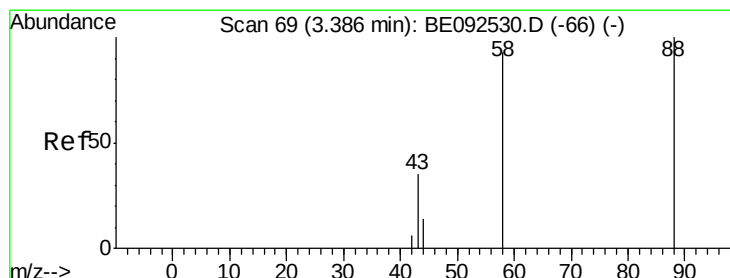
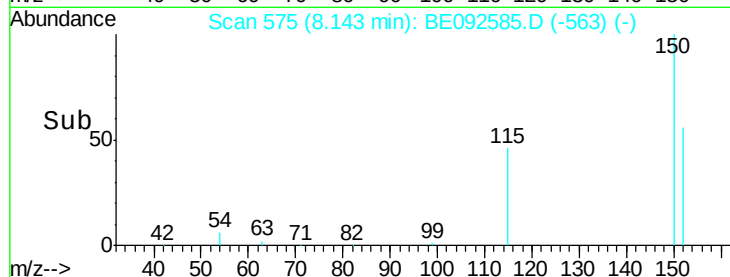
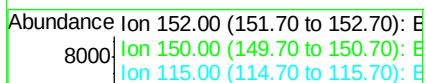
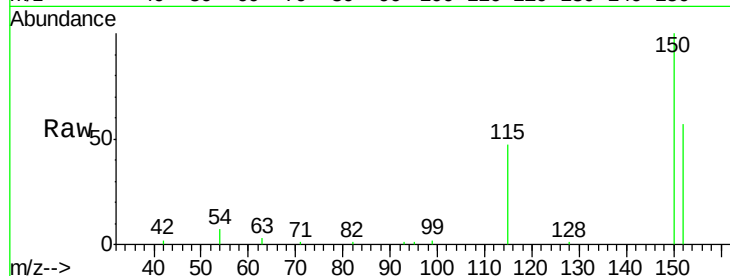
Tgt Ion: 152 Resp: 8653

Ion Ratio Lower Upper

152 100

150 176.9 106.0 159.0#

115 82.7 31.2 46.8#



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.40 min Scan# 70

Delta R.T. 0.01 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

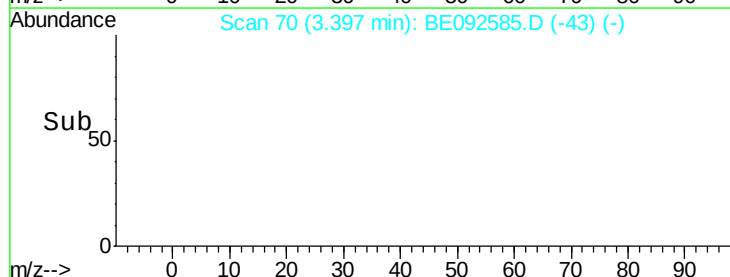
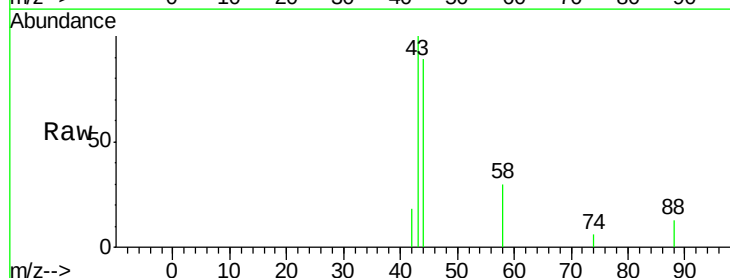
Tgt Ion: 88 Resp: 43

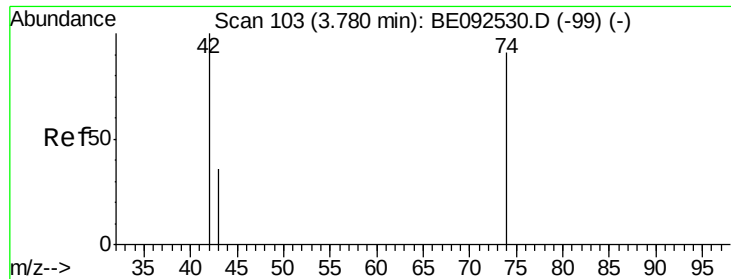
Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

43 0.0 28.0 42.0#





#3

n-Nitrosodimethylamine

Concen: 0.21 ng

RT: 3.83 min Scan# 107

Delta R.T. 0.05 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161128

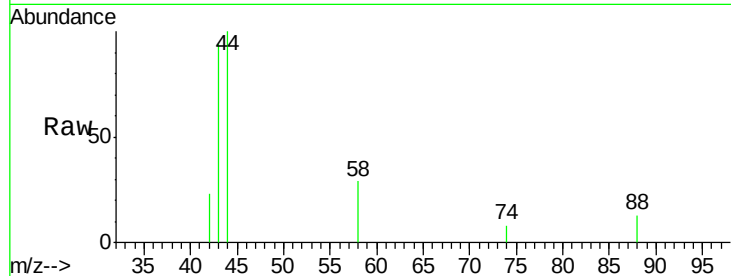
Tgt Ion: 42 Resp: 51

Ion Ratio Lower Upper

42 100

74 13.7 86.0 129.0#

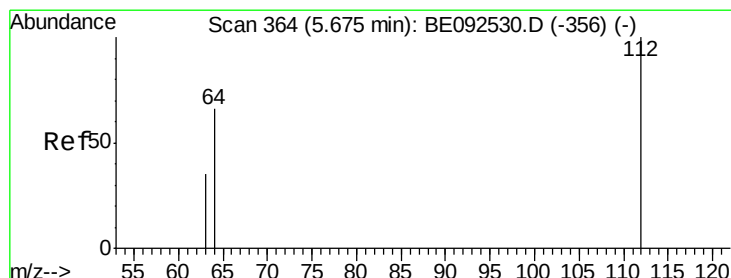
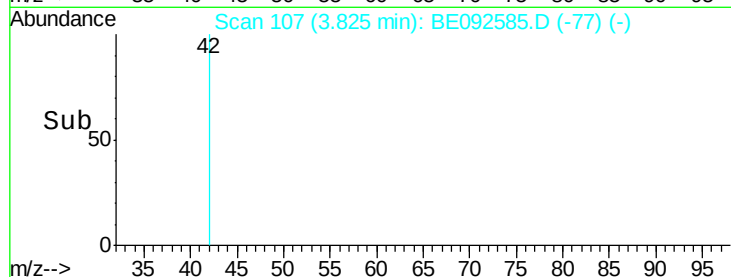
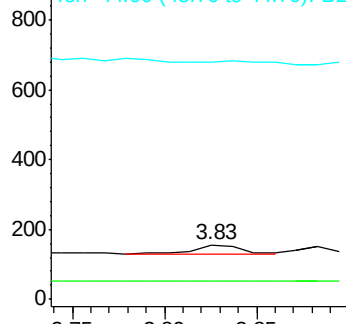
44 0.0 5.1 7.7#



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: 4.10 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

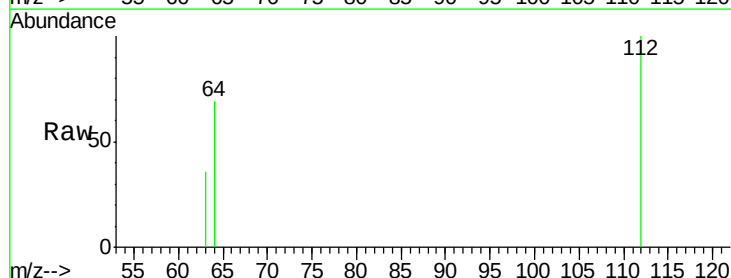
Tgt Ion: 112 Resp: 5994

Ion Ratio Lower Upper

112 100

64 68.5 53.5 80.3

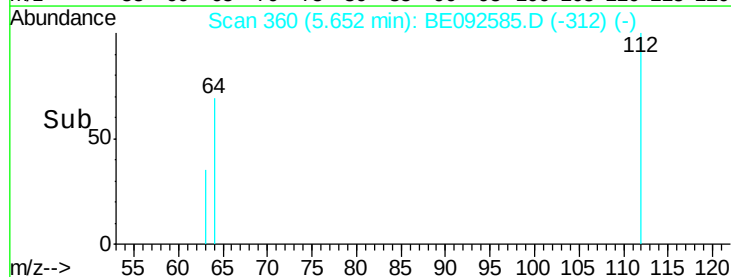
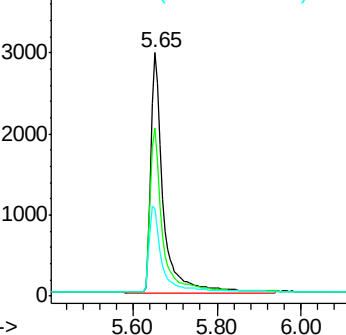
63 36.8 27.9 41.9

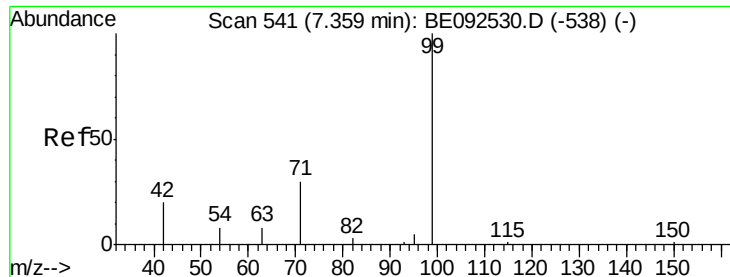


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.74 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

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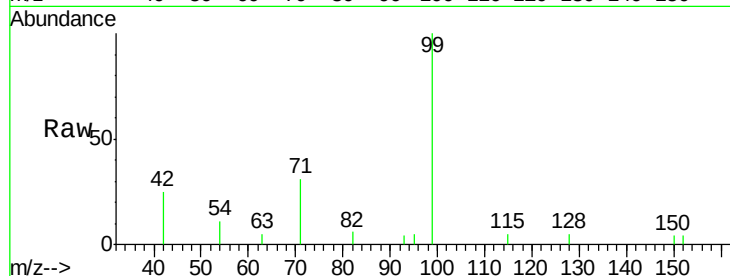
Tgt Ion: 99 Resp: 4035

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

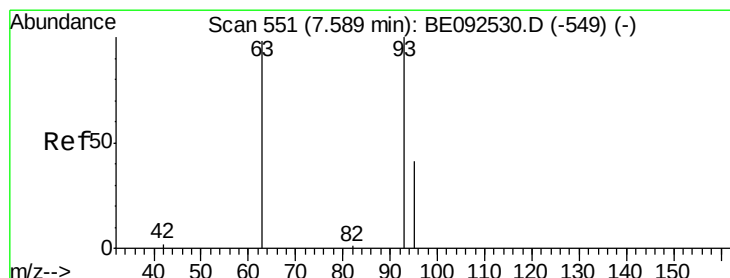
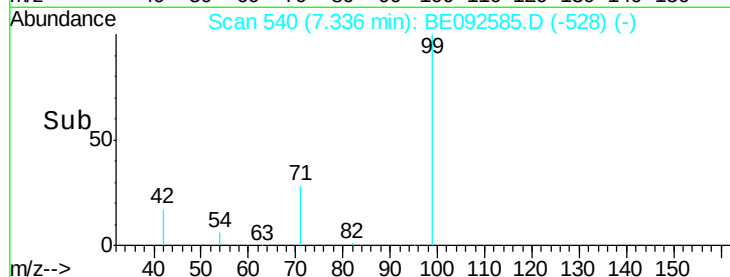
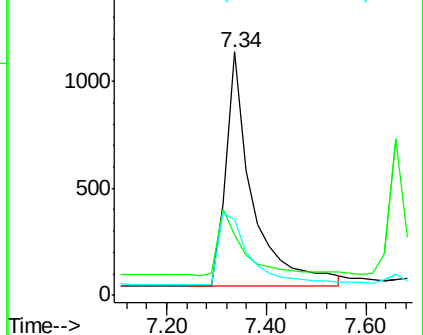
71 0.0 30.6 45.8#



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: 0.05 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.04 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

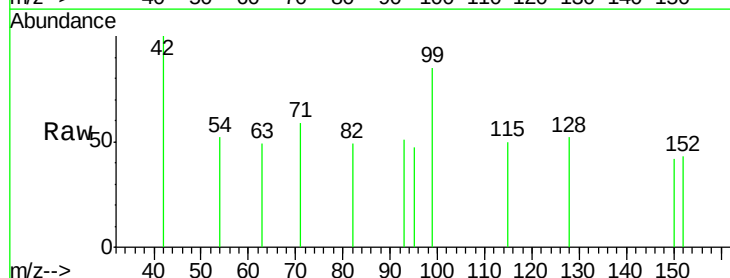
Tgt Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

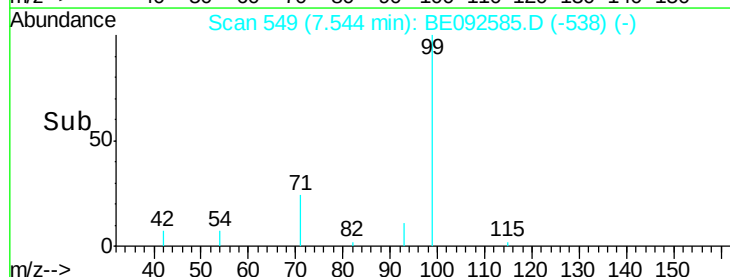
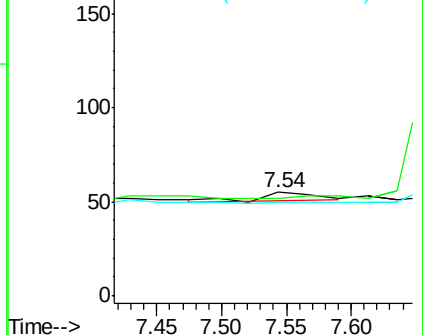
95 20.0 24.0 36.0#

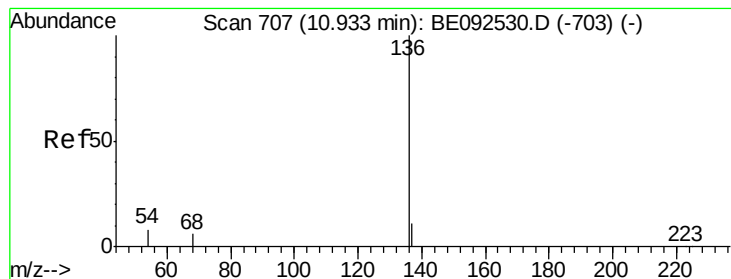


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

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Tgt Ion:136 Resp: 39095

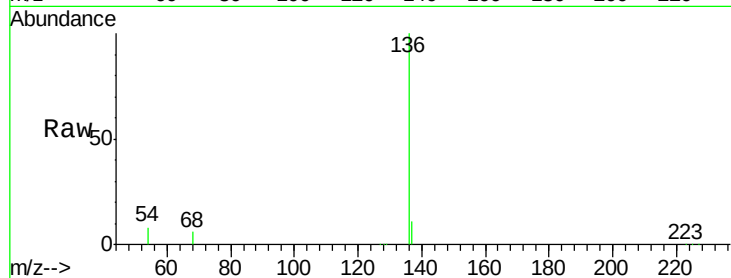
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.4

54 7.9 9.6 14.4#

68 5.7 6.7 10.1#

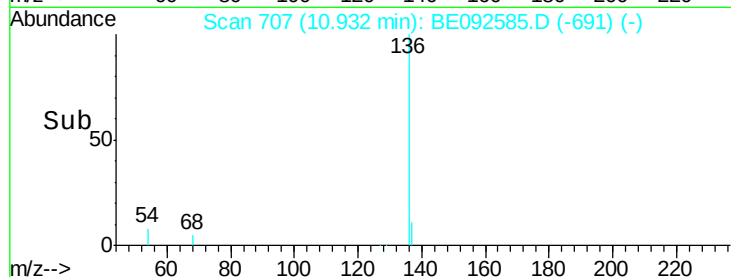


Abundance Ion 136.00 (135.70 to 136.70): E

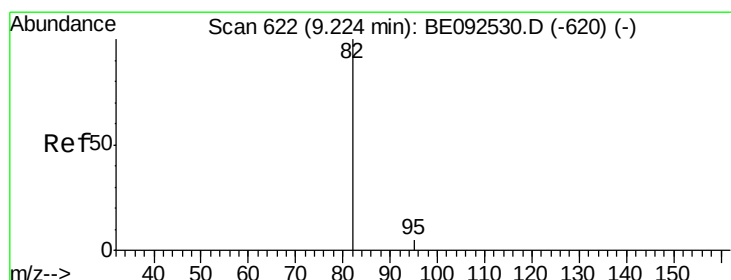
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 4.43 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.04 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

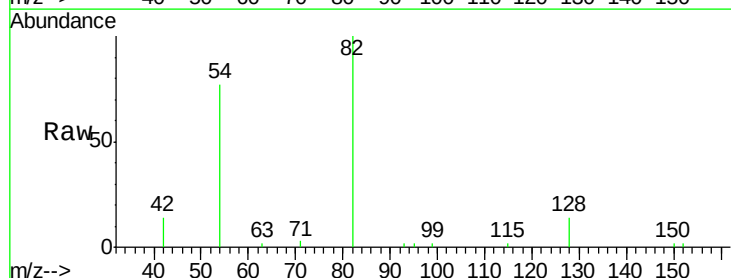
Tgt Ion: 82 Resp: 11221

Ion Ratio Lower Upper

82 100

128 14.0 39.0 58.4#

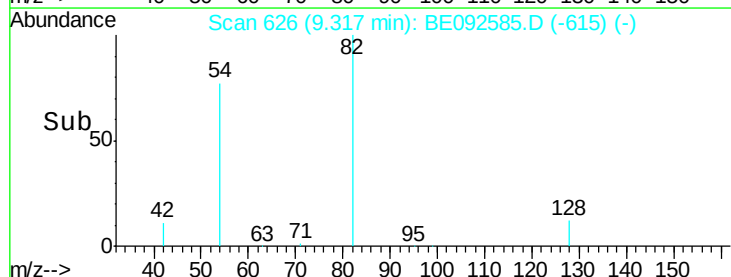
54 77.2 44.8 67.2#



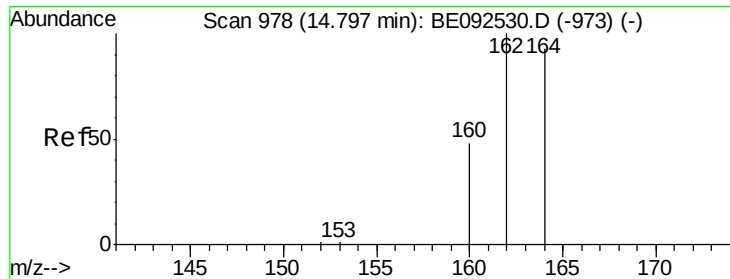
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161128

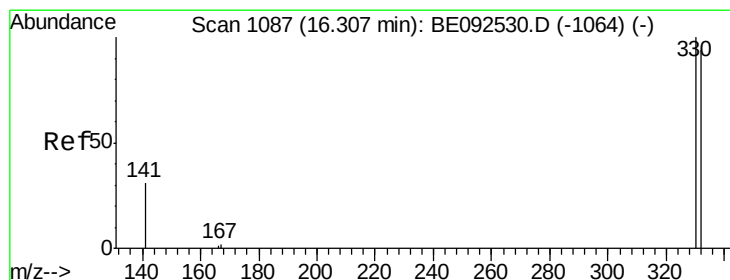
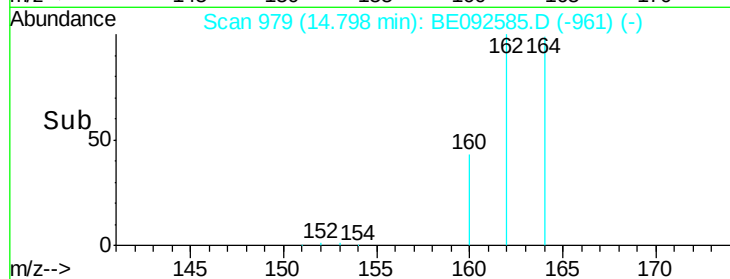
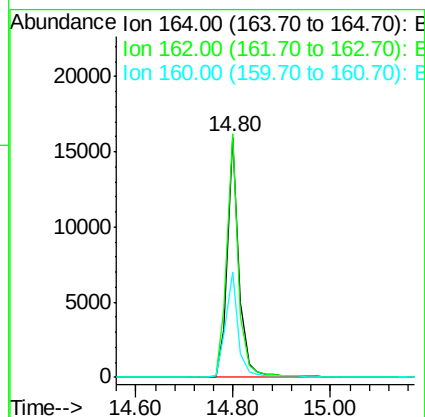
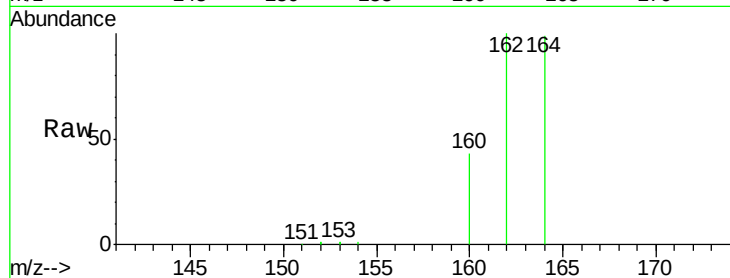
Tgt Ion:164 Resp: 26302

Ion Ratio Lower Upper

164 100

162 101.3 71.4 107.0

160 44.0 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 8.84 ng

RT: 16.30 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

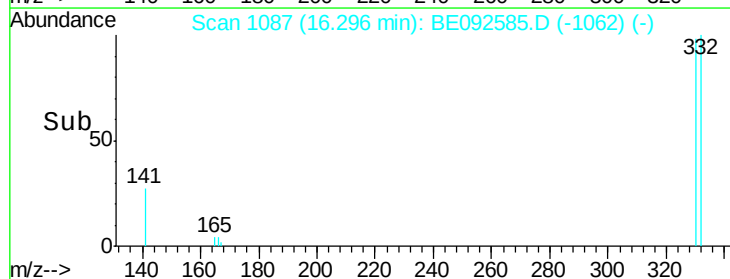
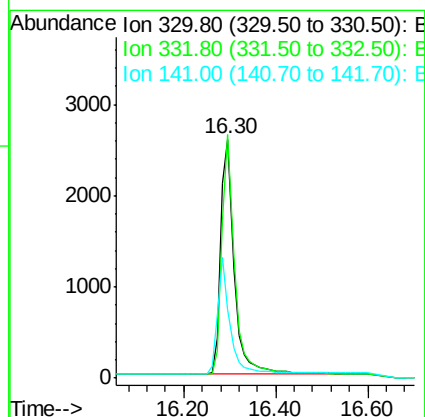
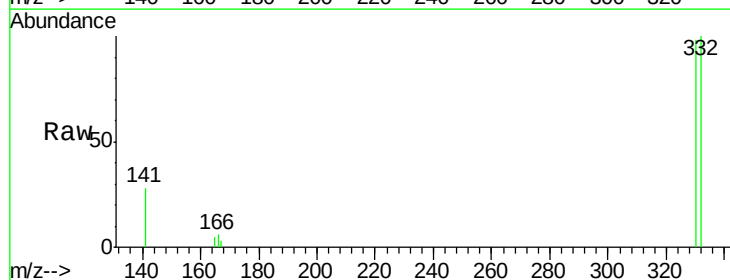
Tgt Ion:330 Resp: 5219

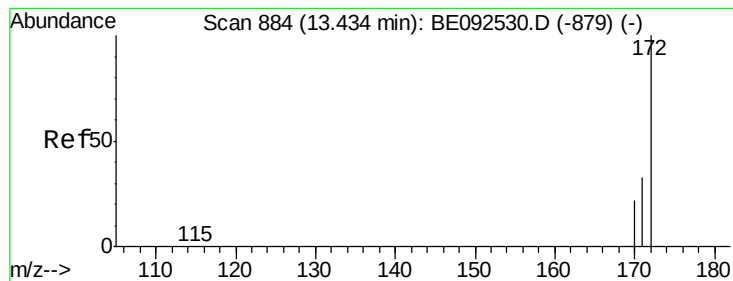
Ion Ratio Lower Upper

330 100

332 96.1 75.4 113.0

141 45.0 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 4.43 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

BNA_E

ClientSampleId :

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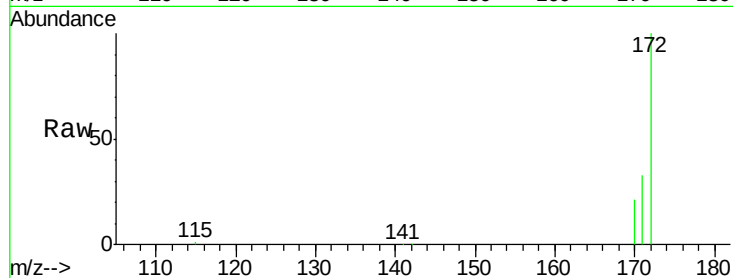
Tgt Ion:172 Resp: 28391

Ion Ratio Lower Upper

172 100

171 32.8 30.1 45.1

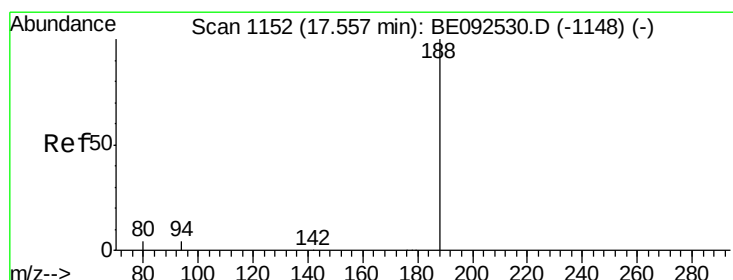
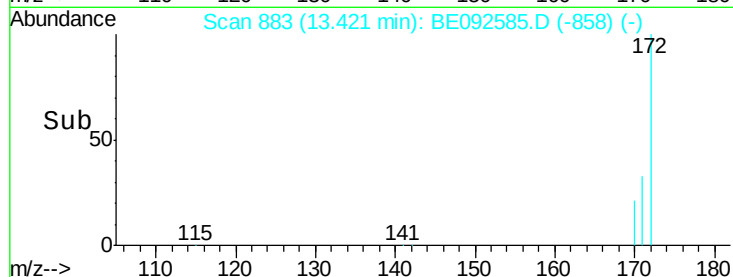
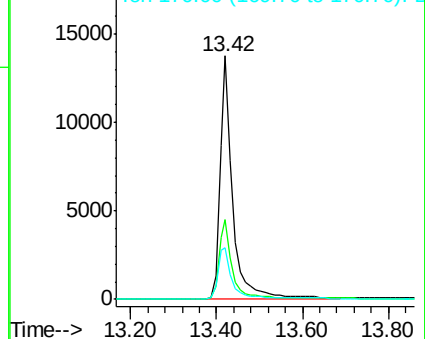
170 21.4 21.8 32.6#



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

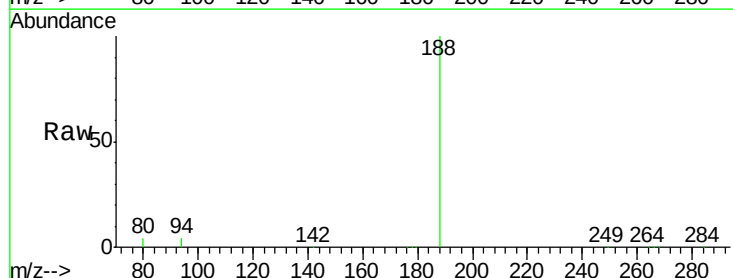
Tgt Ion:188 Resp: 56080

Ion Ratio Lower Upper

188 100

94 4.4 3.2 4.8

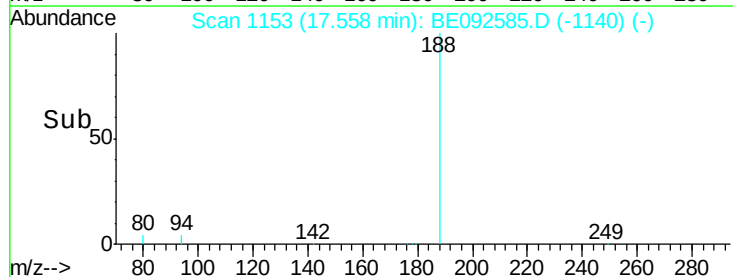
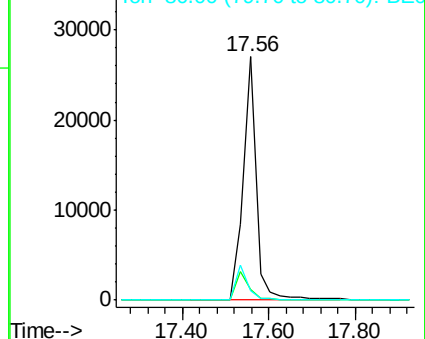
80 3.9 2.6 3.8#

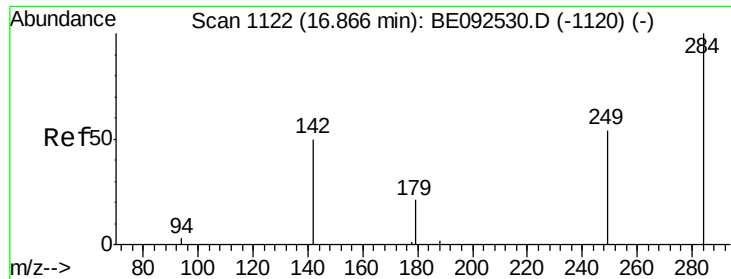


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

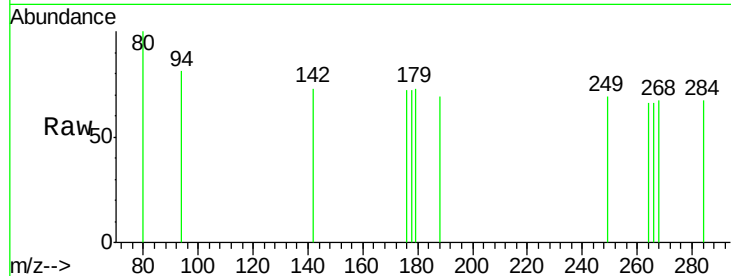




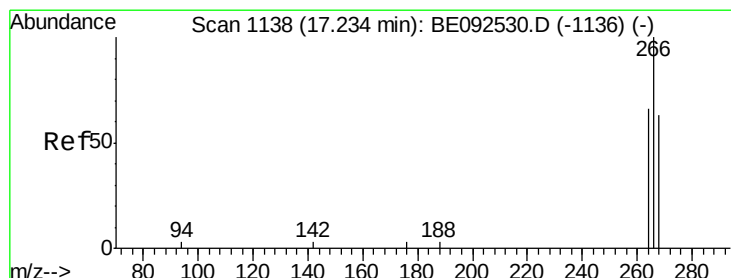
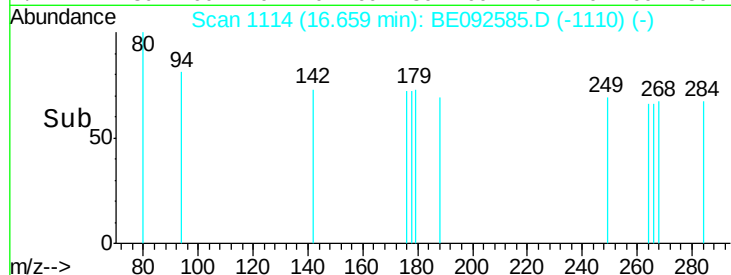
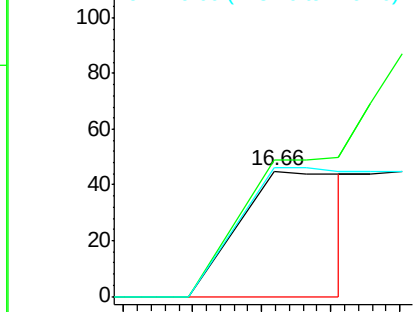
#19
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092585.D
Acq: 1 Dec 2016 13:21

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Tgt Ion: 284 Resp: 287
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 124.7 27.9 41.9#

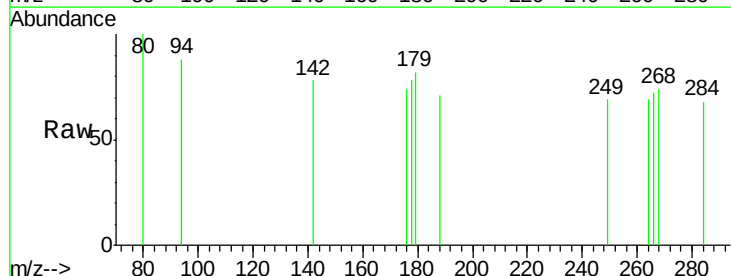


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

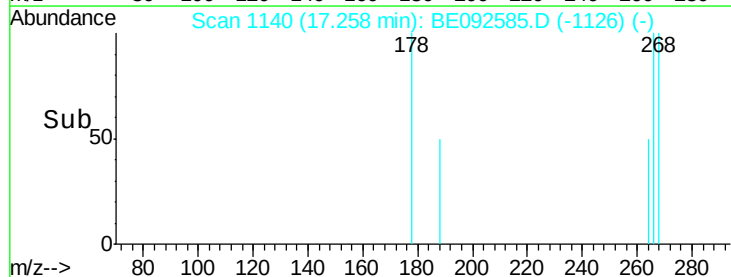
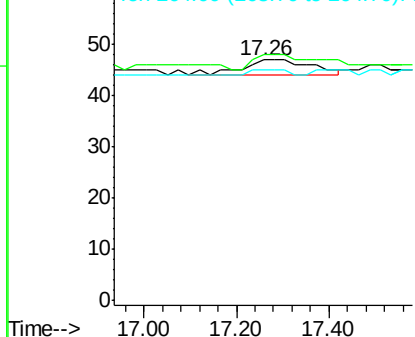


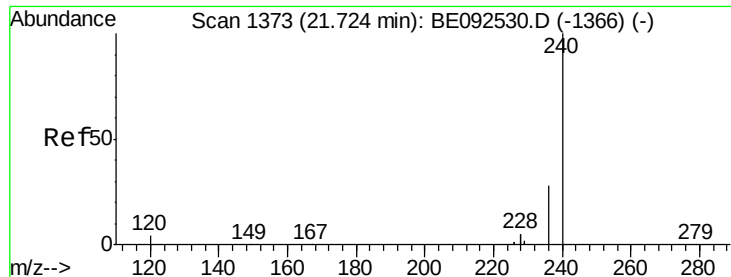
#20
Pentachlorophenol
Concen: 0.11 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092585.D
Acq: 1 Dec 2016 13:21

Tgt Ion: 266 Resp: 32
Ion Ratio Lower Upper
266 100
268 102.1 62.5 93.7#
264 95.7 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: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161128

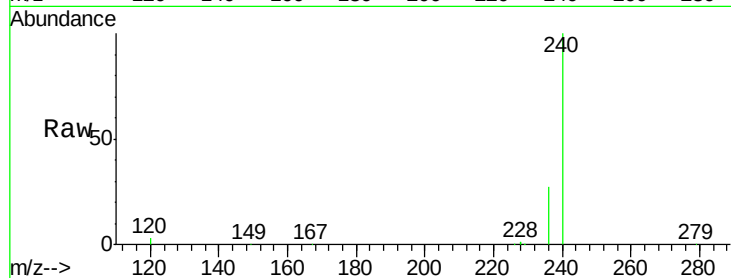
Tgt Ion:240 Resp: 87758

Ion Ratio Lower Upper

240 100

120 2.7 2.6 4.0

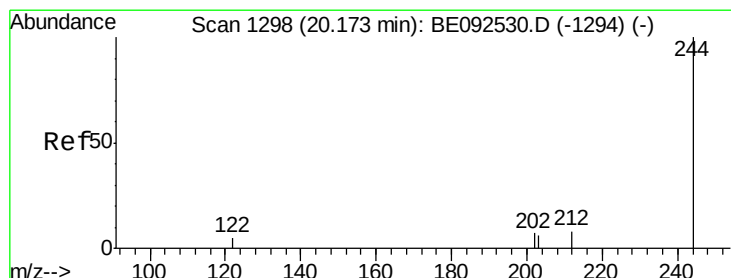
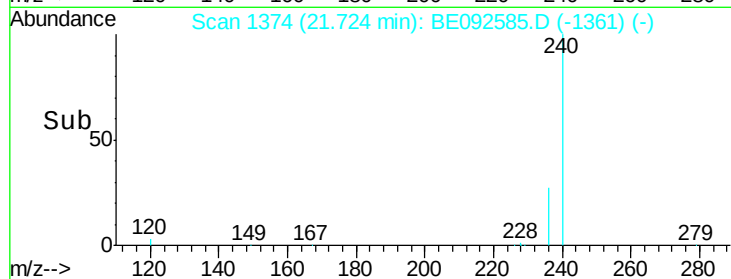
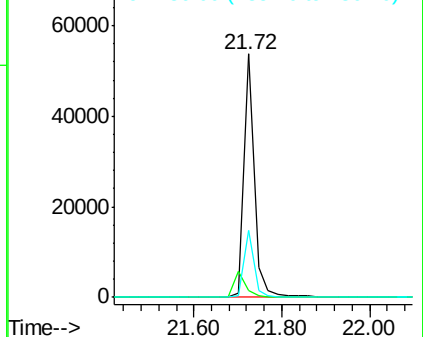
236 27.4 24.6 37.0



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: 4.88 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

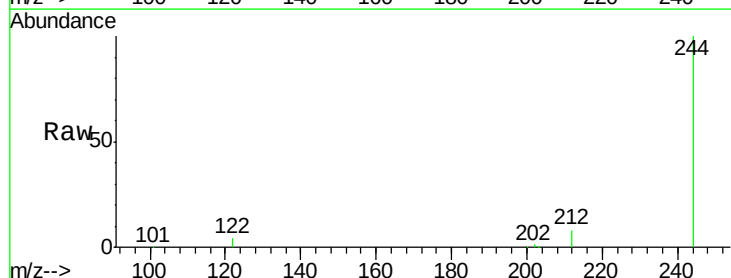
Tgt Ion:244 Resp: 48942

Ion Ratio Lower Upper

244 100

212 7.9 6.7 10.1

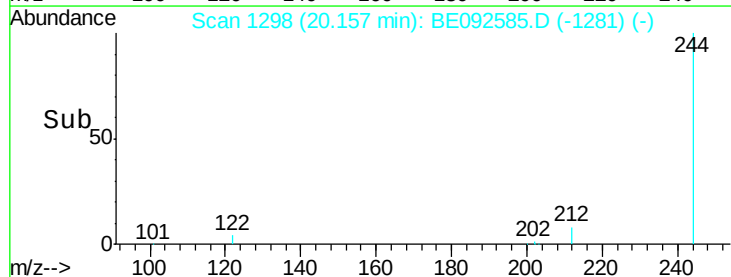
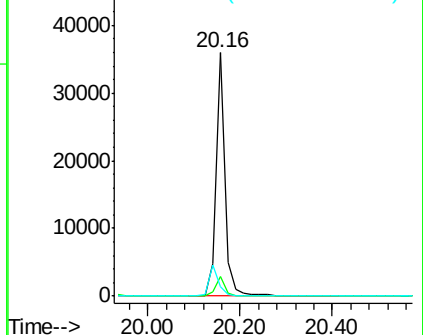
122 3.7 3.6 5.4

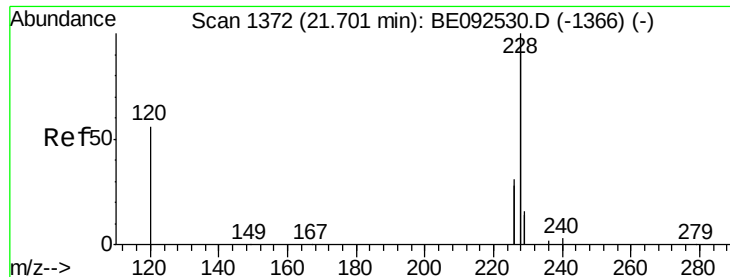


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161128

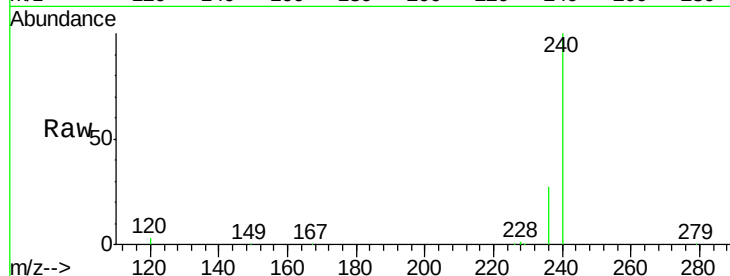
Tgt Ion:228 Resp: 1007

Ion Ratio Lower Upper

228 100

226 33.9 23.6 35.4

229 54.5 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

21.72

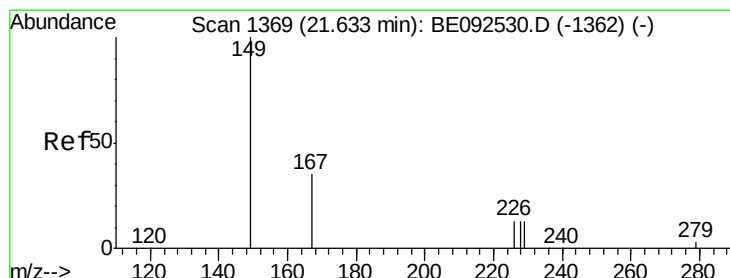
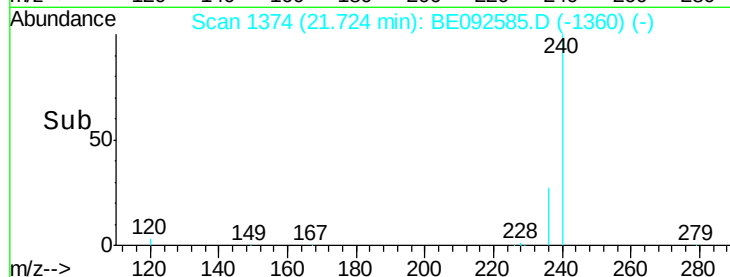
600

400

200

0

Time-->



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

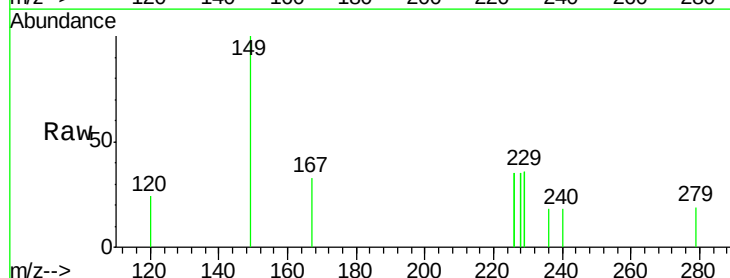
Tgt Ion:149 Resp: 310

Ion Ratio Lower Upper

149 100

167 29.7 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

21.61

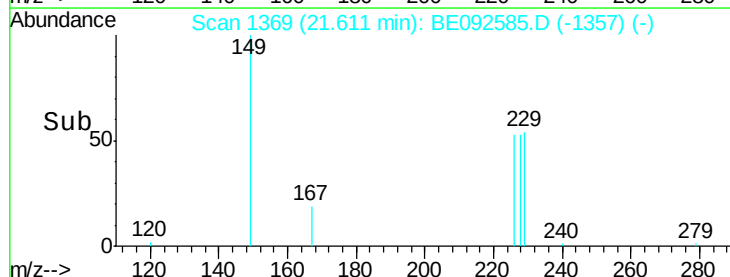
300

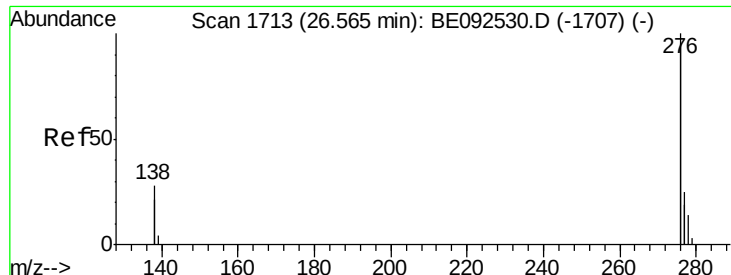
200

100

0

Time-->





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.07 min

Lab File: BE092585.D

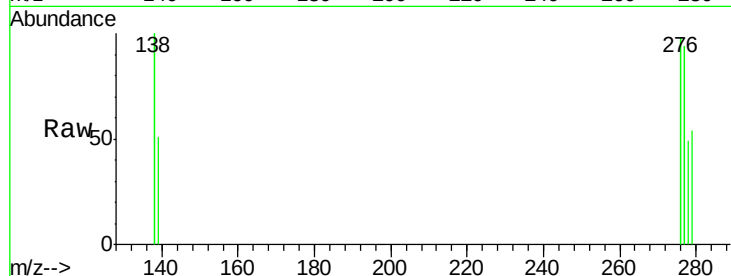
Acq: 1 Dec 2016 13:21

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161128



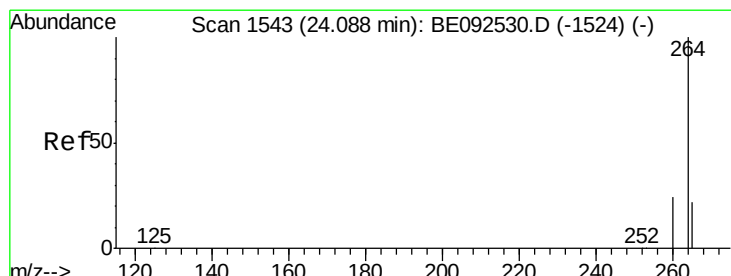
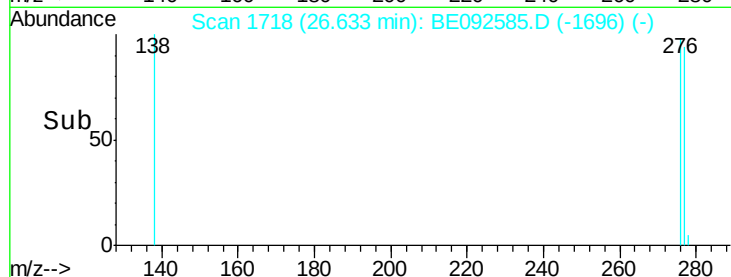
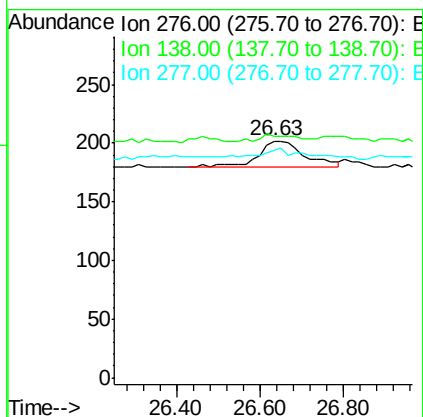
Tgt Ion:276 Resp: 166

Ion Ratio Lower Upper

276 100

138 0.0 20.3 30.5#

277 32.5 19.7 29.5#



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092585.D

Acq: 1 Dec 2016 13:21

Tgt Ion:264 Resp: 76829

Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

265 21.5 17.9 26.9

