

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110816\
 Data File : BE092515.D
 Acq On : 8 Nov 2016 19:00
 Operator : UM/SJ
 Sample : H5504-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS034-161031

Quant Time: Nov 09 00:12:03 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 16:27:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8365	5.00	ng	0.00
7) Naphthalene-d8	10.93	136	37842	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24937	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	55034	5.00	ng	0.00
24) Chrysene-d12	21.72	240	84437	5.00	ng	0.00
31) Perylene-d12	24.08	264	79486	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.66	112	7350	3.98	ng	0.00
5) Phenol-d6	7.33	99	5060	2.06	ng	0.00
8) Nitrobenzene-d5	9.32	82	11700	4.71	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	6381	7.18	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	29579	4.80	ng	-0.01
26) Terphenyl-d14	20.16	244	50484	4.92	ng	-0.02

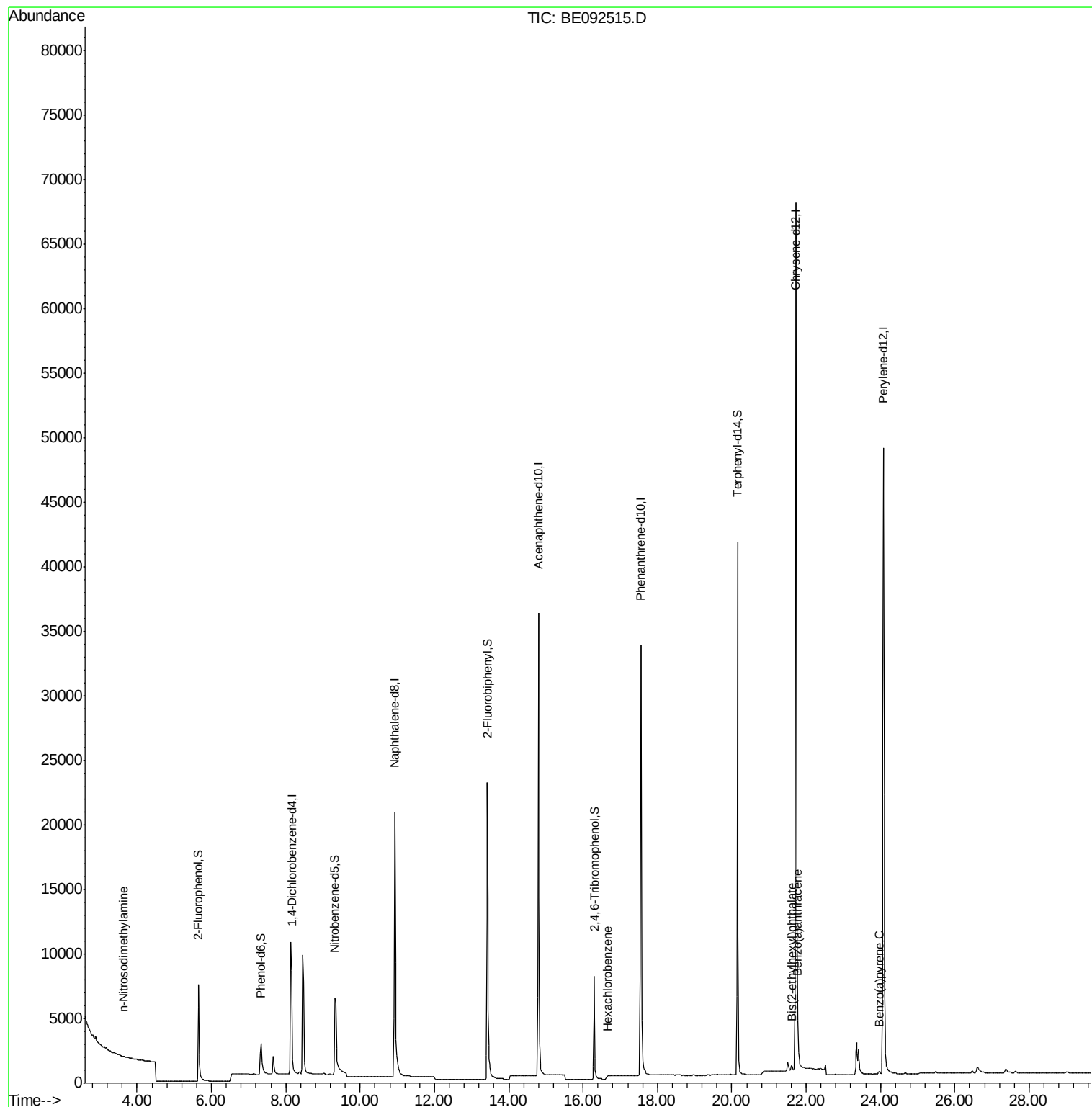
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	115	Below Cal	#	19
3) n-Nitrosodimethylamine	3.64	42	24	0.09 ng	#	2
19) Hexachlorobenzene	16.66	284	114	0.05 ng	#	1
27) Benzo(a)anthracene	21.77	228	6053	0.07 ng	#	82
28) Chrysene	21.77	228	6208	Below Cal	#	75
29) Bis(2-ethylhexyl)phthalate	21.61	149	816	0.11 ng	#	56
32) Benzo(b)fluoranthene	23.36	252	3916	Below Cal		93
33) Benzo(k)fluoranthene	23.41	252	3908	Below Cal	#	92
34) Benzo(a)pyrene	23.97	252	455	0.02 ng	#	8

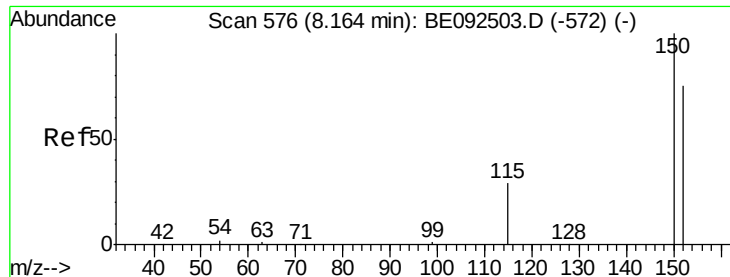
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

BNA_E

ClientSampleId :

KY038PS034-161031

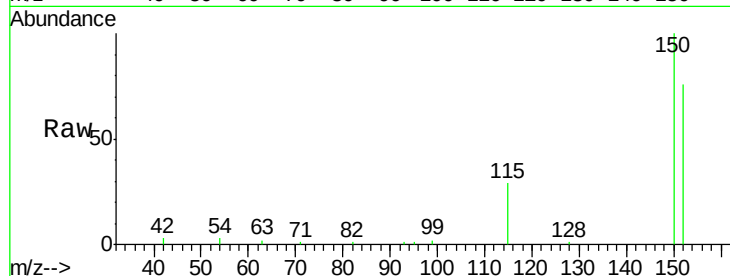
Tgt Ion:152 Resp: 8365

Ion Ratio Lower Upper

152 100

150 132.4 106.0 159.0

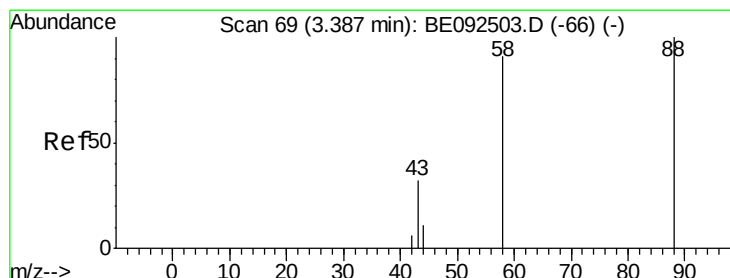
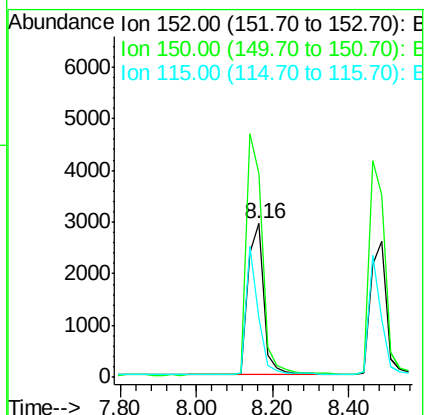
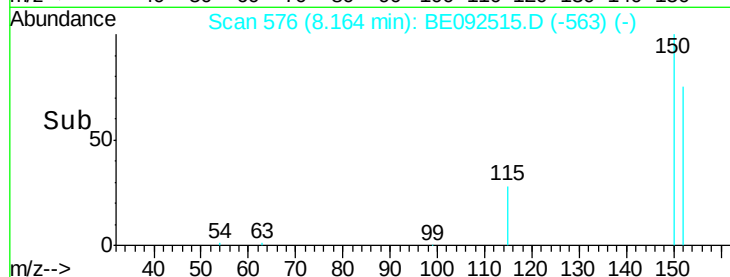
115 38.8 31.2 46.8



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.39 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

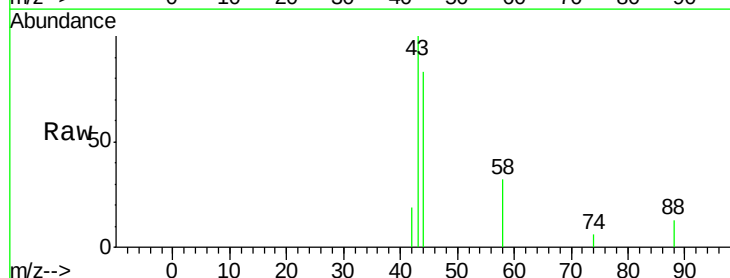
Tgt Ion: 88 Resp: 115

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

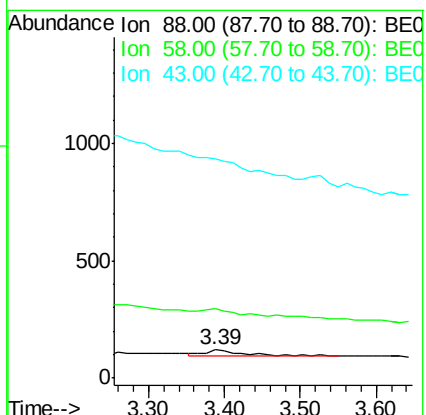
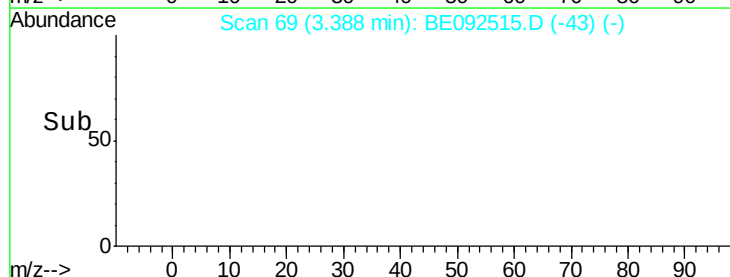
43 0.0 28.0 42.0#

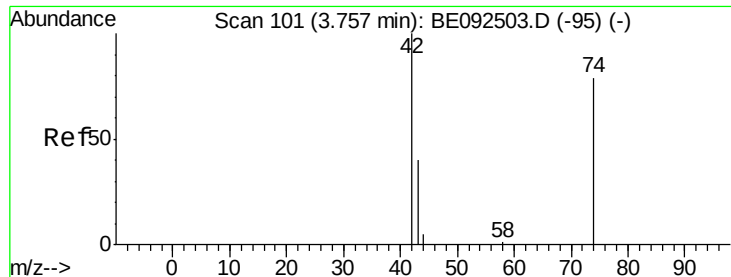


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.64 min Scan# 91

Delta R.T. -0.11 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

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ClientSampleId :

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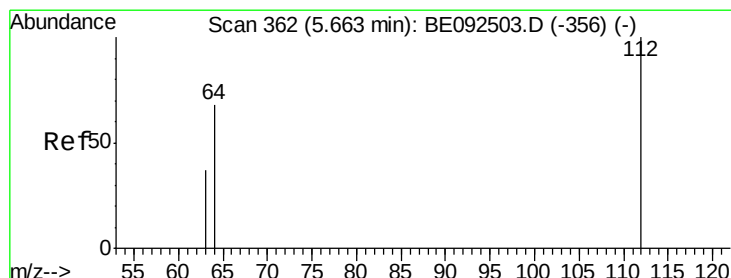
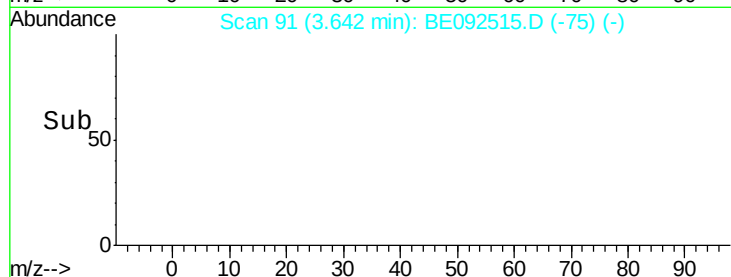
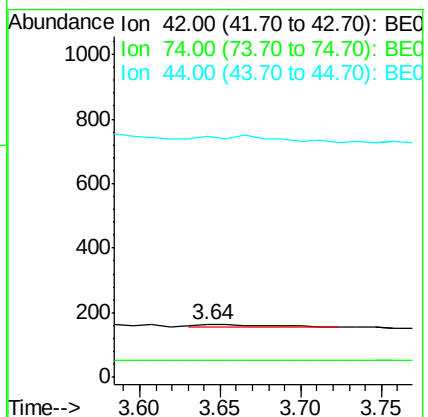
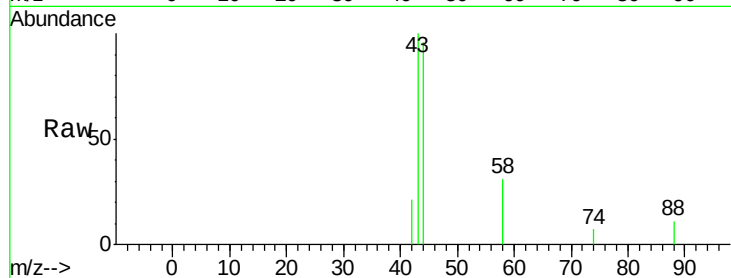
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

44 0.0 5.1 7.7#



#4

2-Fluorophenol

Concen: 3.98 ng

RT: 5.66 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

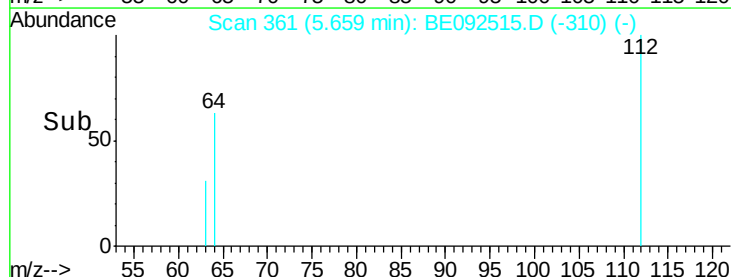
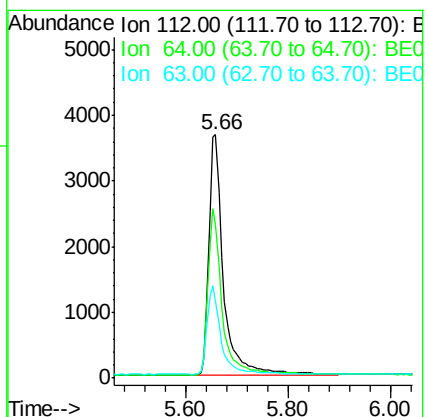
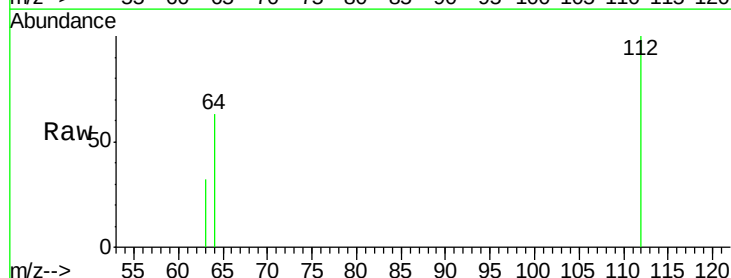
Tgt Ion: 112 Resp: 7350

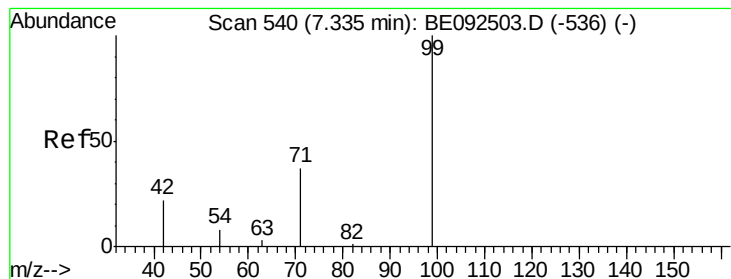
Ion Ratio Lower Upper

112 100

64 66.9 53.5 80.3

63 35.9 27.9 41.9





#5

Phenol-d6

Concen: 2.06 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

BNA_E

ClientSampleId :

KY038PS034-161031

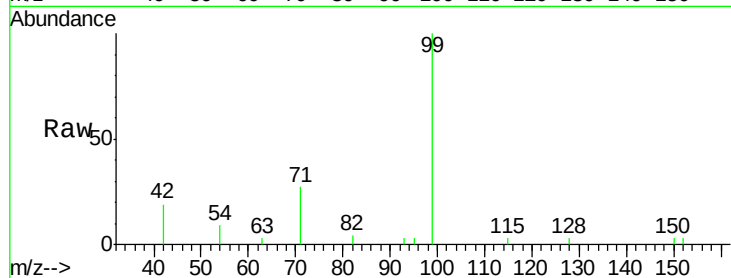
Tgt Ion: 99 Resp: 5060

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

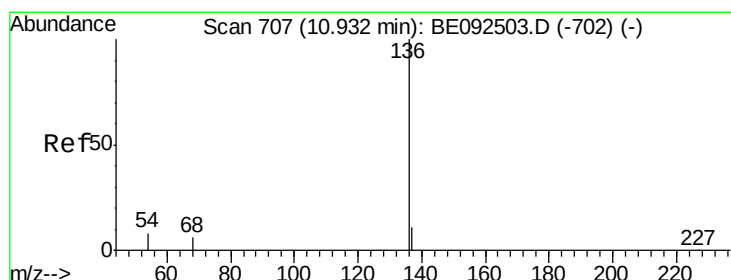
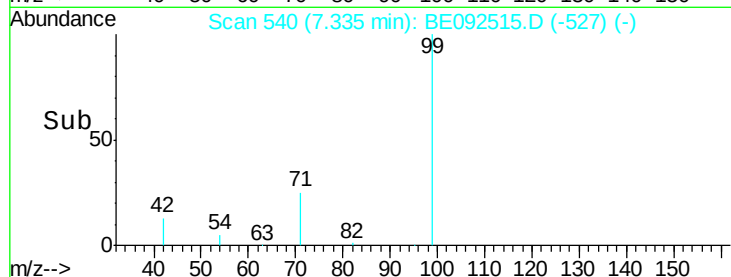
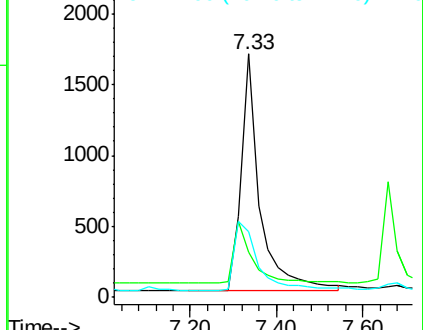
71 0.0 30.6 45.8#



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Tgt Ion: 136 Resp: 37842

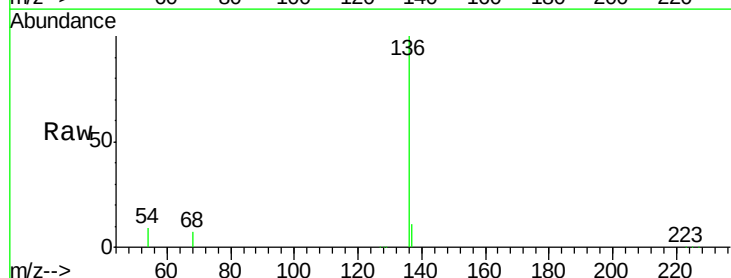
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 8.9 9.6 14.4#

68 6.5 6.7 10.1#

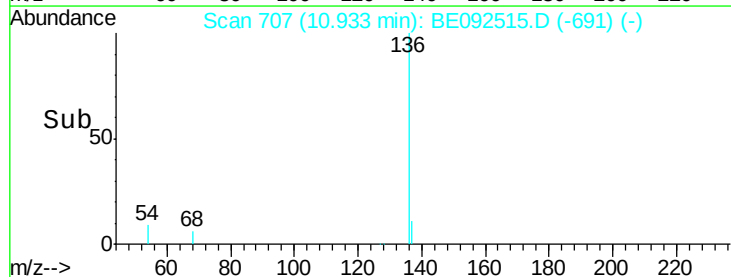
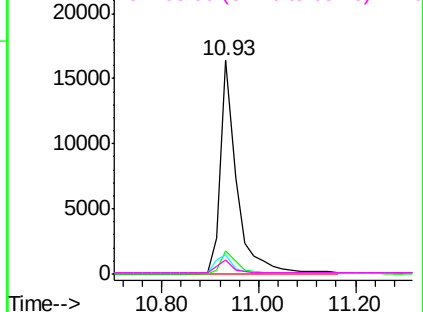


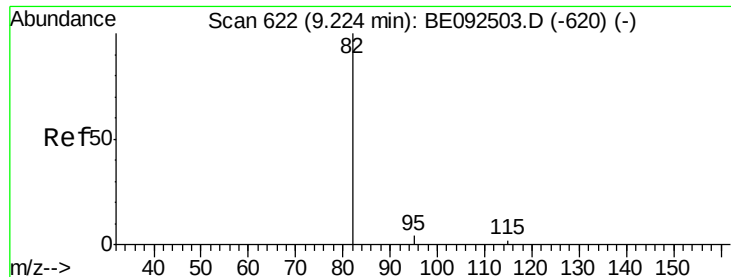
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.71 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

BNA_E

ClientSampleId :

KY038PS034-161031

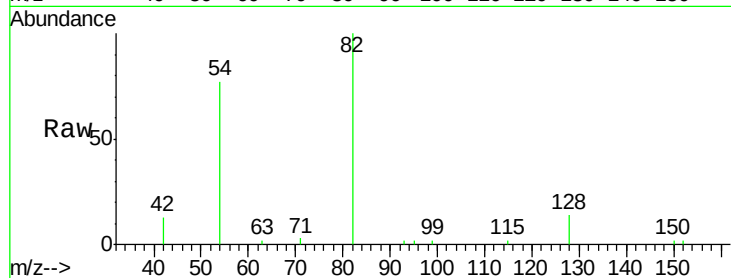
Tgt Ion: 82 Resp: 11700

Ion Ratio Lower Upper

82 100

128 13.7 39.0 58.4#

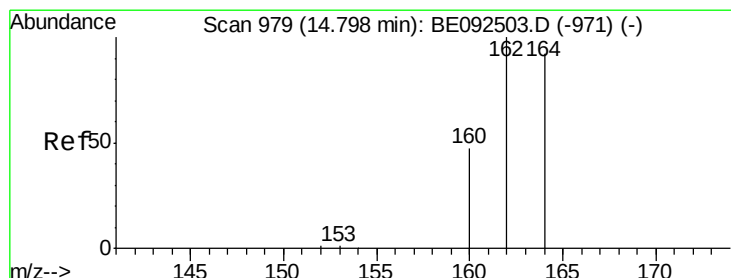
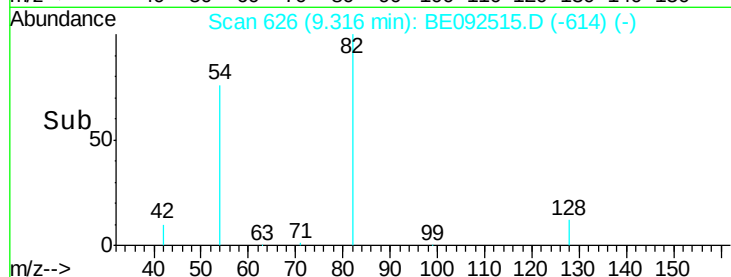
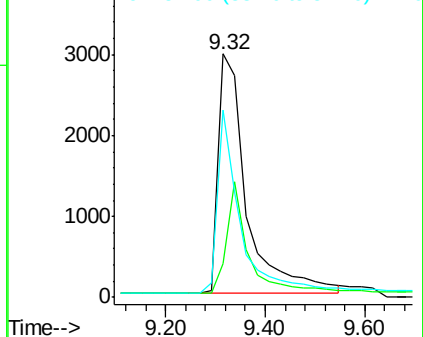
54 76.7 44.8 67.2#



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: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

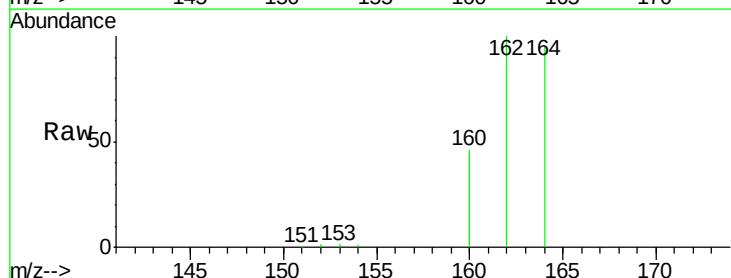
Tgt Ion: 164 Resp: 24937

Ion Ratio Lower Upper

164 100

162 105.3 71.4 107.0

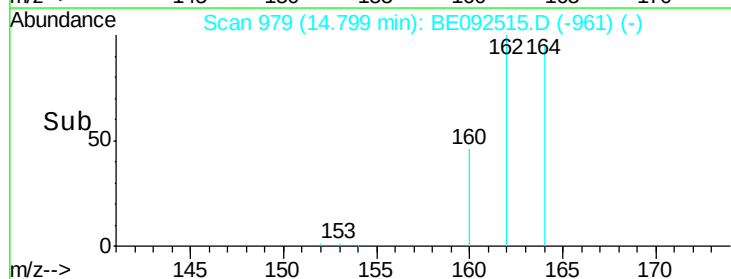
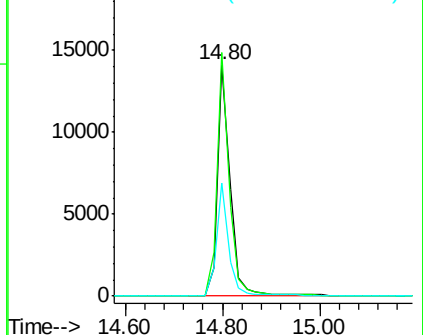
160 48.8 27.4 41.2#

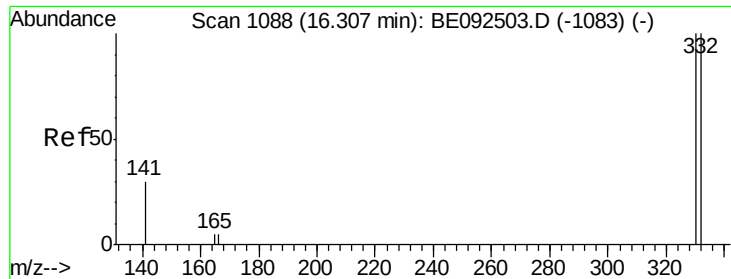


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

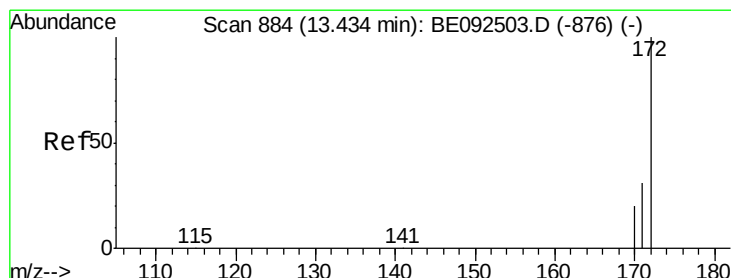
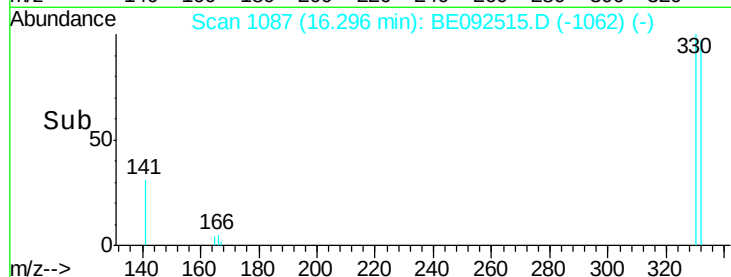
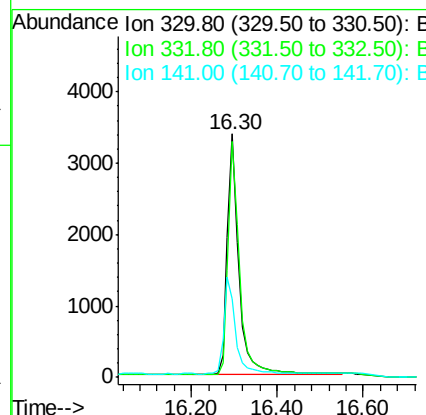
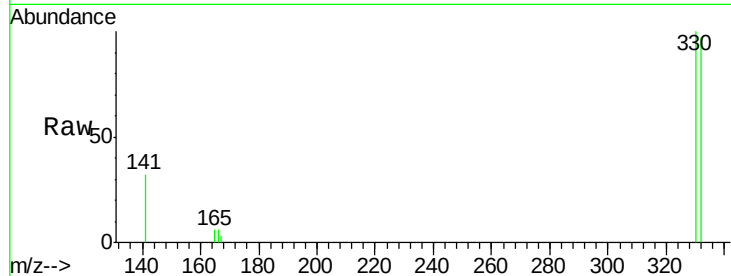




#13
 2,4,6-Tribromophenol
 Concen: 7.18 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092515.D
 Acq: 8 Nov 2016 19:00

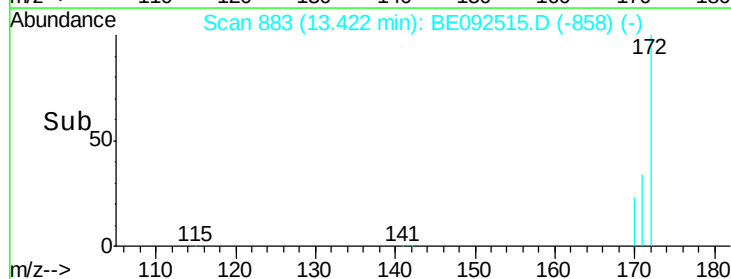
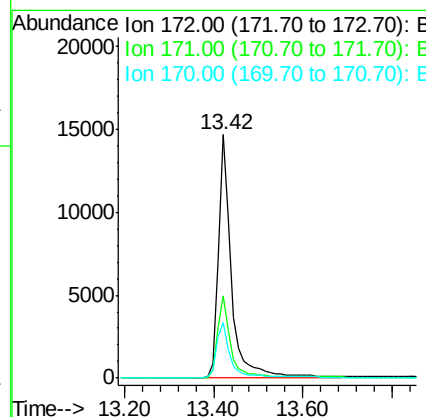
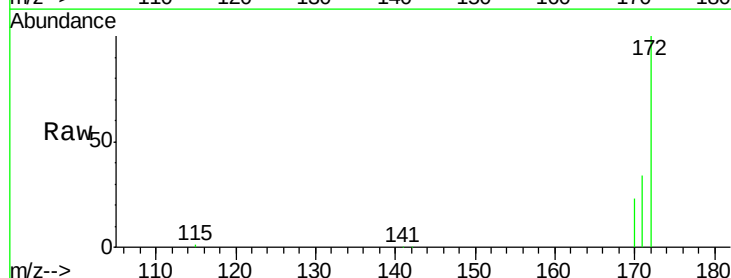
Instrument :
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 KY038PS034-161031

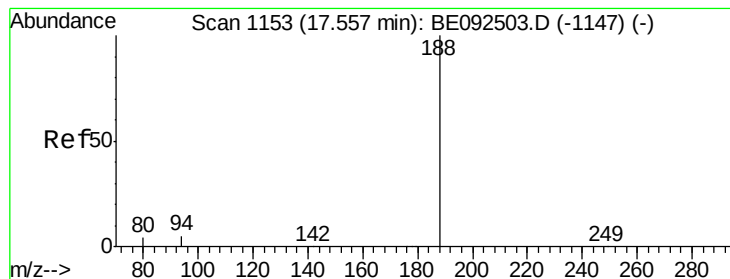
Tgt Ion:330 Resp: 6381
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.4 113.0
 141 41.5 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.80 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092515.D
 Acq: 8 Nov 2016 19:00

Tgt Ion:172 Resp: 29579
 Ion Ratio Lower Upper
 172 100
 171 34.0 30.1 45.1
 170 22.9 21.8 32.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

BNA_E

ClientSampleId :

KY038PS034-161031

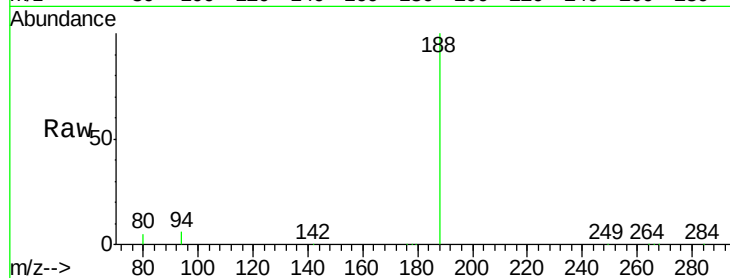
Tgt Ion:188 Resp: 55034

Ion Ratio Lower Upper

188 100

94 5.7 3.2 4.8#

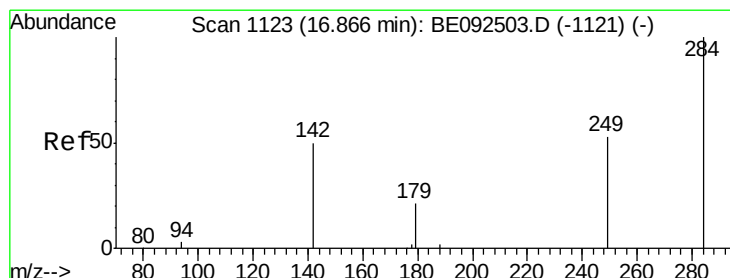
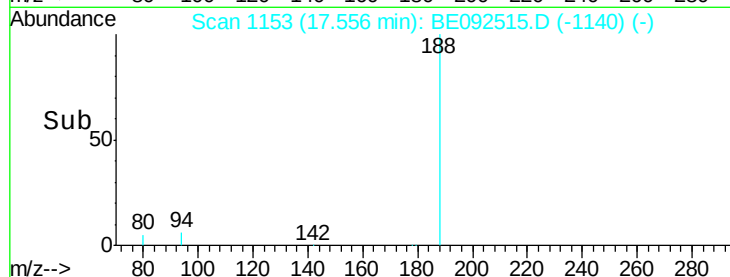
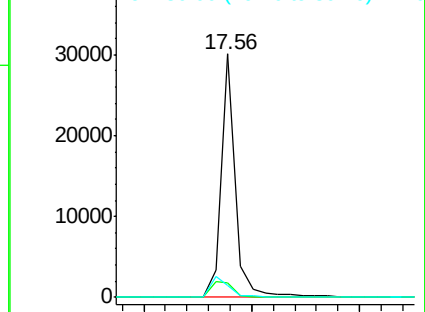
80 5.2 2.6 3.8#



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



#19

Hexachlorobenzene

Concen: 0.05 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

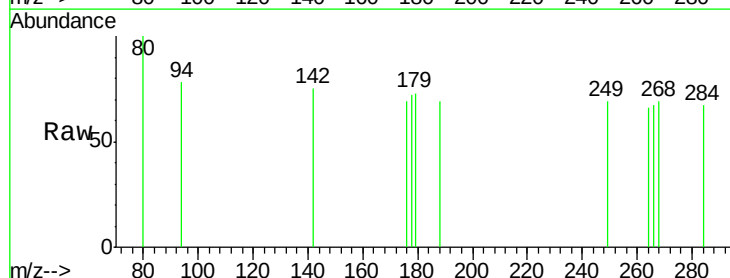
Tgt Ion:284 Resp: 114

Ion Ratio Lower Upper

284 100

142 280.7 29.1 43.7#

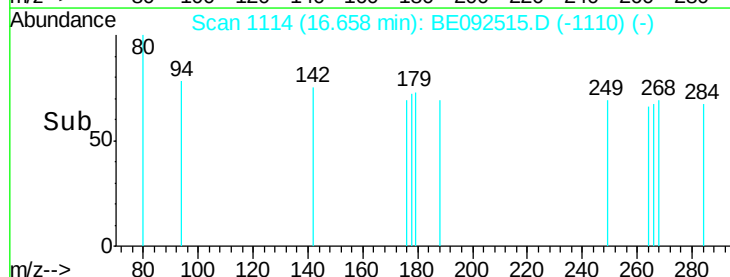
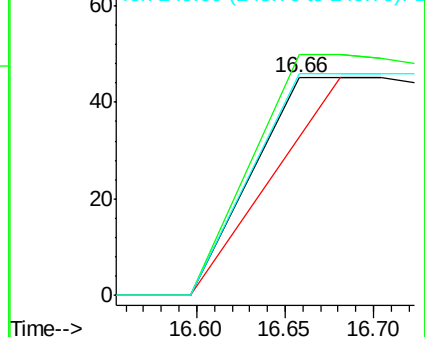
249 0.0 27.9 41.9#

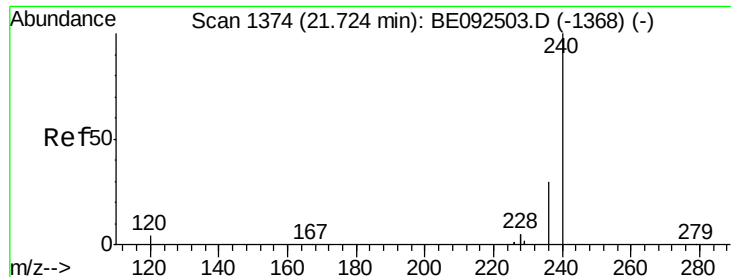


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

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ClientSampleId :

KY038PS034-161031

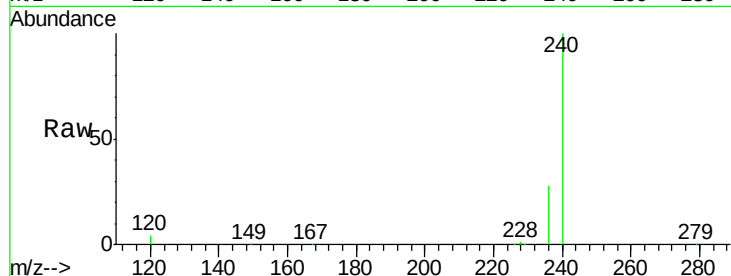
Tgt Ion:240 Resp: 84437

Ion Ratio Lower Upper

240 100

120 3.8 2.6 4.0

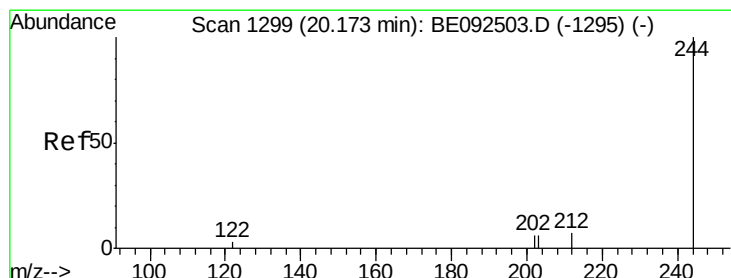
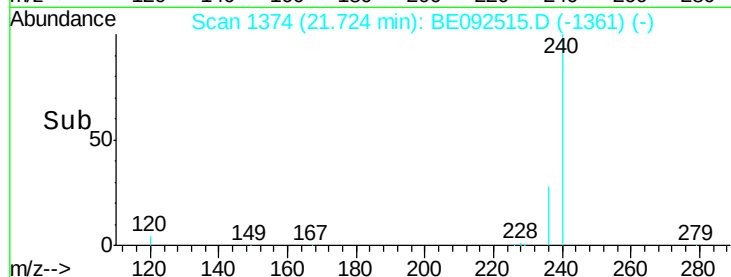
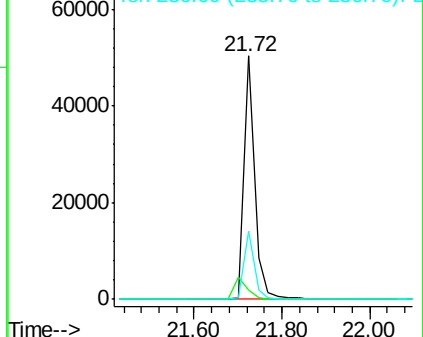
236 28.2 24.6 37.0



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: 4.92 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

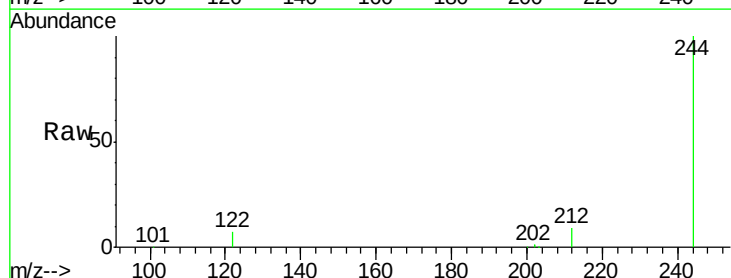
Tgt Ion:244 Resp: 50484

Ion Ratio Lower Upper

244 100

212 8.8 6.7 10.1

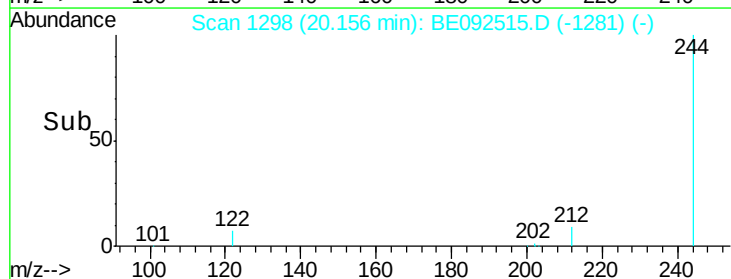
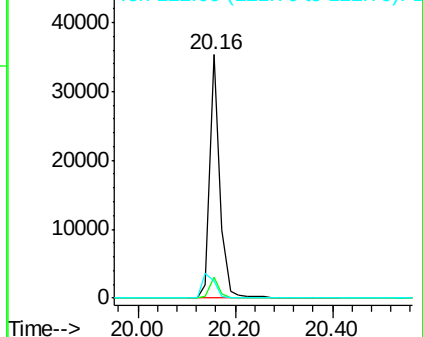
122 6.9 3.6 5.4#

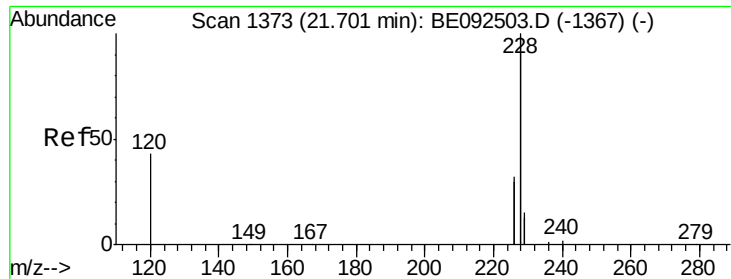


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.77 min Scan# 1376

Delta R.T. 0.07 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

BNA_E

ClientSampleId :

KY038PS034-161031

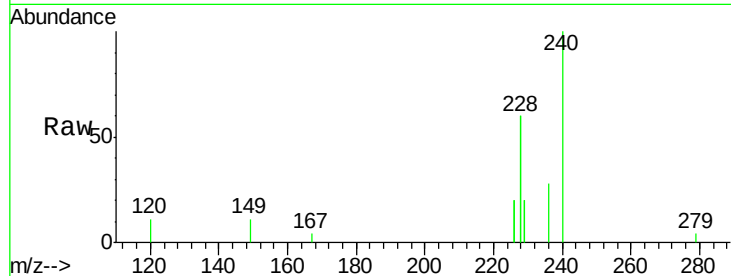
Tgt Ion:228 Resp: 6053

Ion Ratio Lower Upper

228 100

226 33.4 23.6 35.4

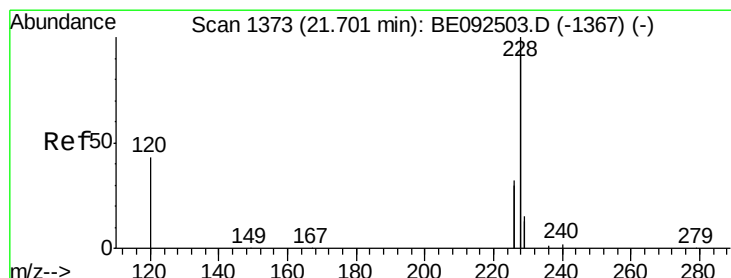
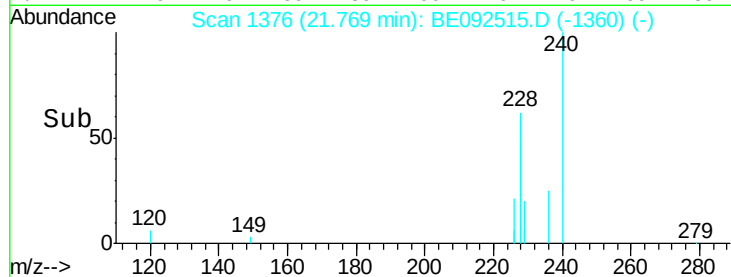
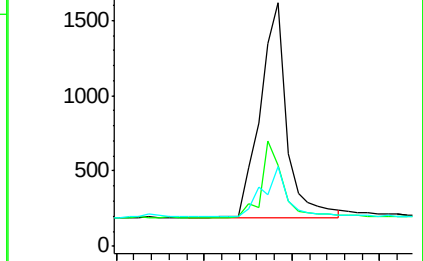
229 33.0 13.3 19.9#



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: Below Cal

RT: 21.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

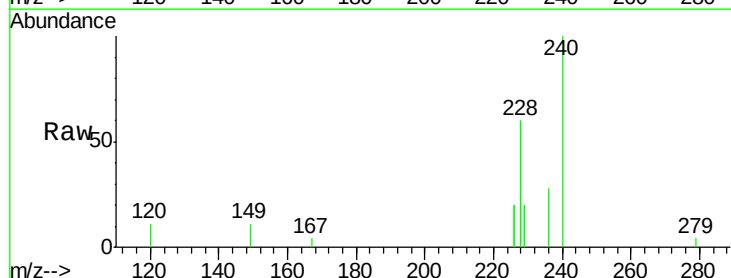
Tgt Ion:228 Resp: 6208

Ion Ratio Lower Upper

228 100

226 33.4 36.3 54.5#

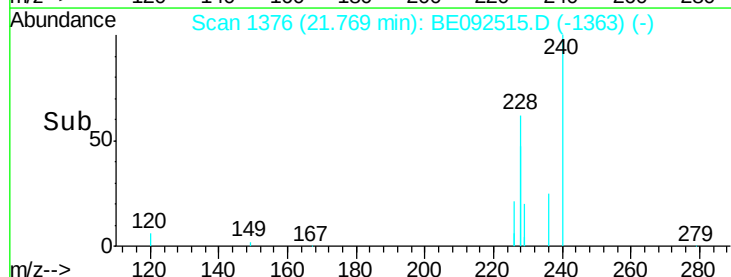
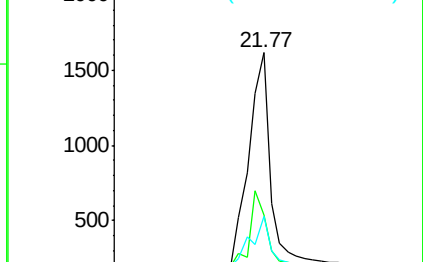
229 33.0 10.6 16.0#

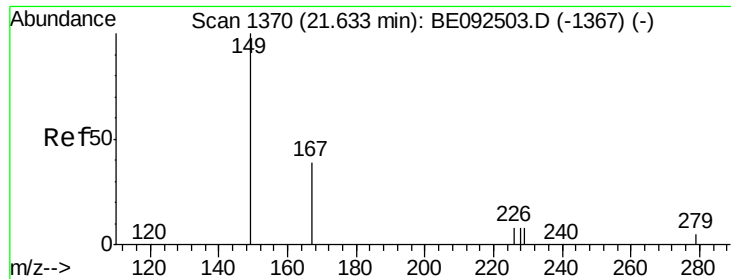


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

BNA_E

ClientSampleId :

KY038PS034-161031

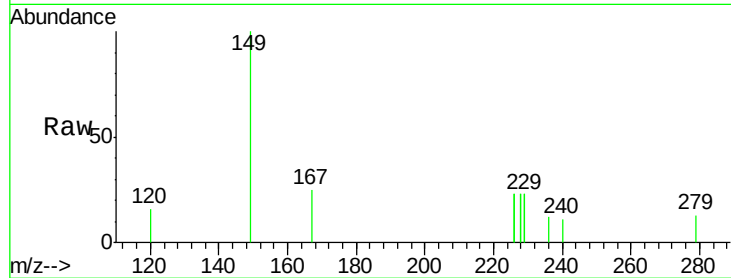
Tgt Ion:149 Resp: 816

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

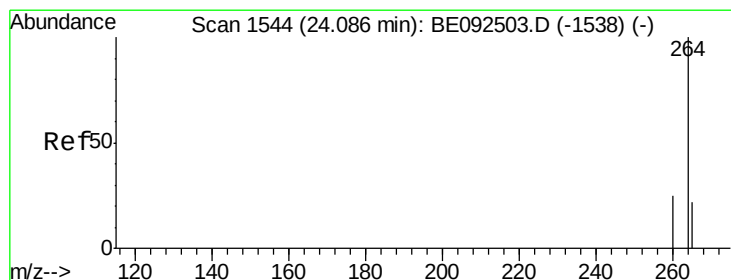
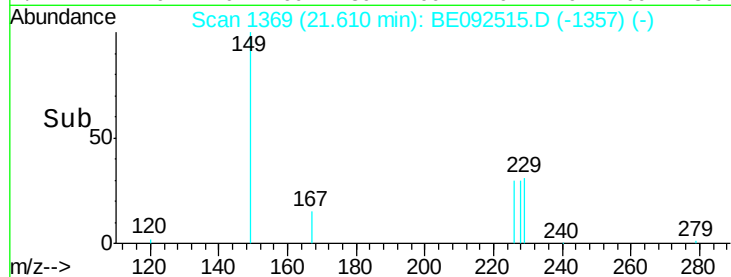
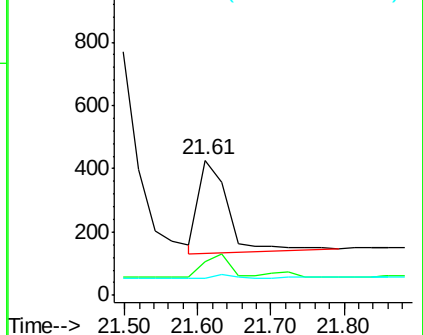
279 0.0 16.0 24.0#



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: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

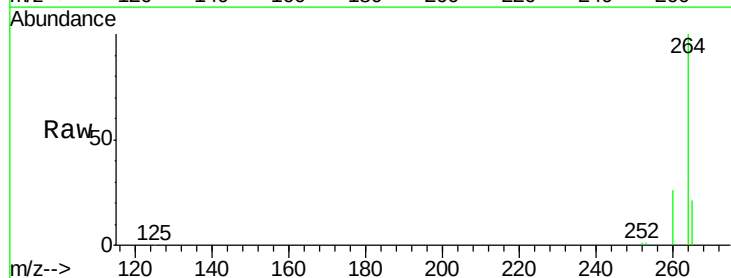
Tgt Ion:264 Resp: 79486

Ion Ratio Lower Upper

264 100

260 26.3 20.1 30.1

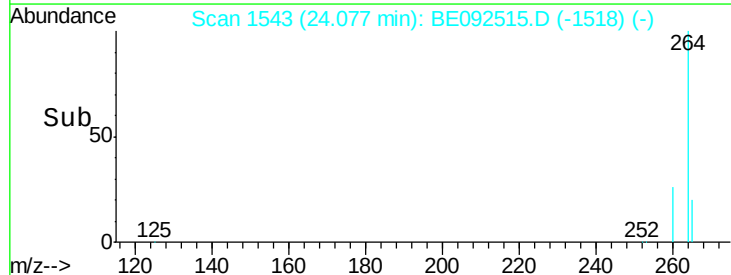
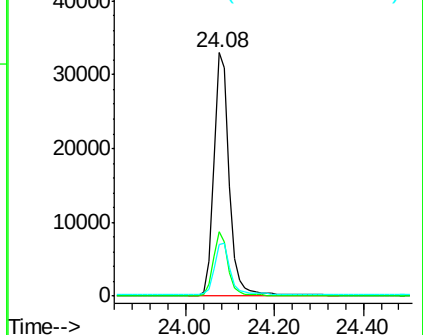
265 21.1 17.9 26.9

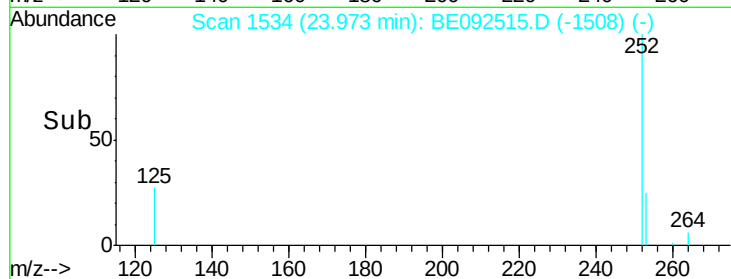
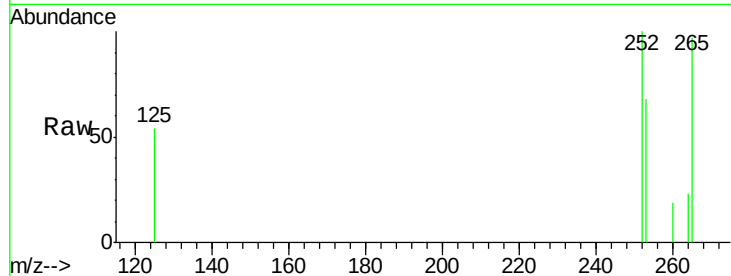
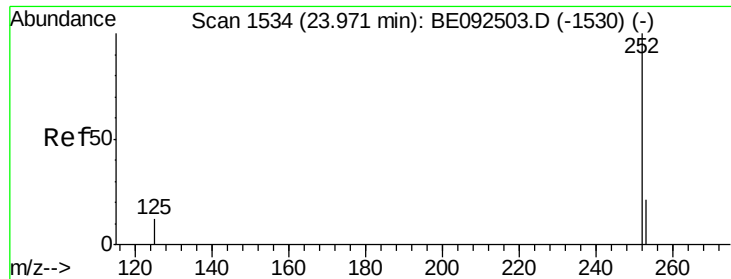


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#34

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.97 min Scan# 1534

Delta R.T. 0.00 min

Lab File: BE092515.D

Acq: 8 Nov 2016 19:00

Instrument :

BNA_E

ClientSampleId :

KY038PS034-161031

Tgt Ion: 252 Resp: 455

Ion Ratio Lower Upper

252 100

253 68.3 19.0 28.6#

125 53.7 11.8 17.8#

