

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110816\
 Data File : BE092514.D
 Acq On : 8 Nov 2016 18:24
 Operator : UM/SJ
 Sample : H5504-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-161031

Quant Time: Nov 09 00:11:52 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

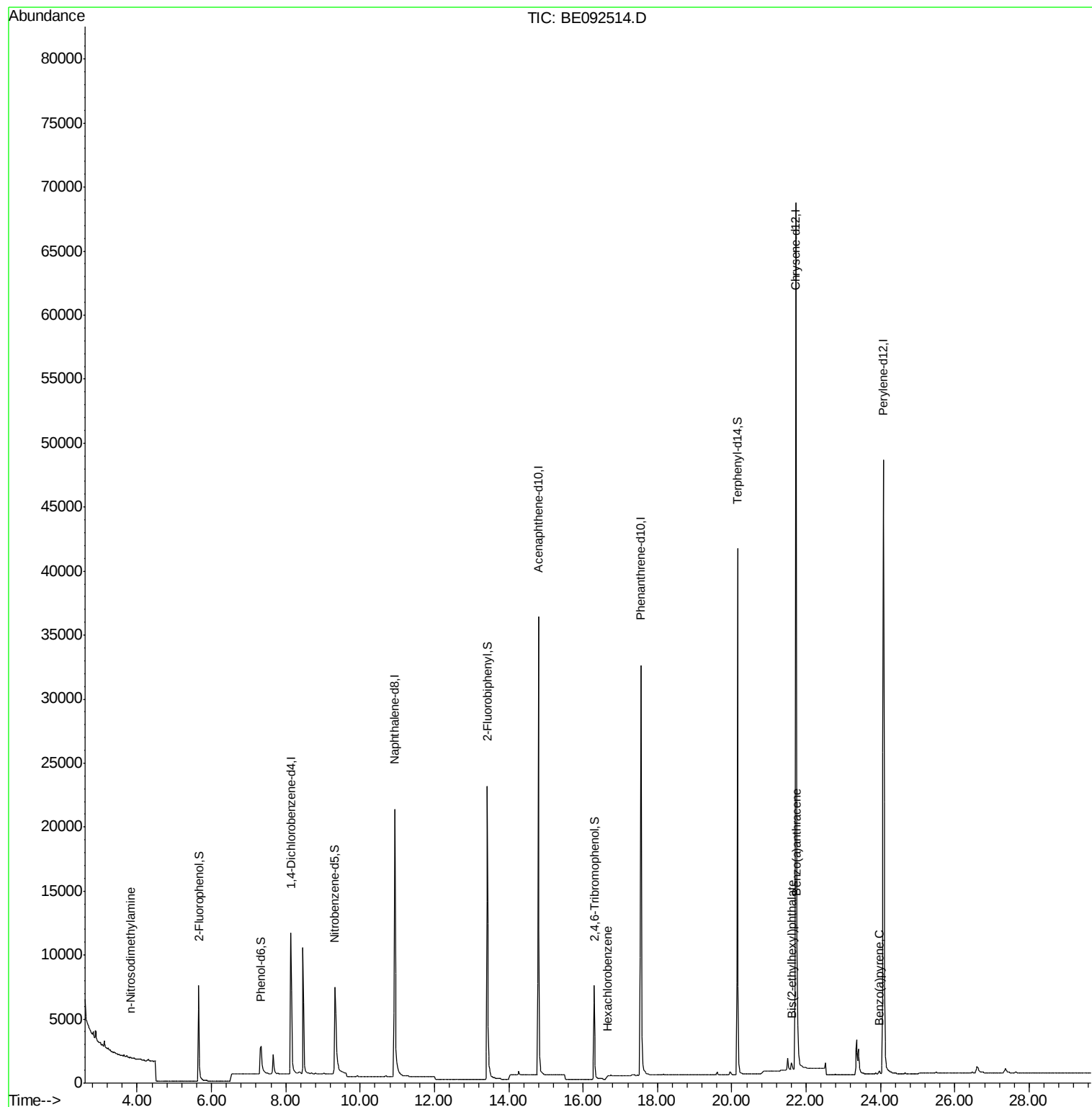
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7951	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	35799	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	23508	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	52837	5.00	ng	0.00
24) Chrysene-d12	21.72	240	82098	5.00	ng	0.00
31) Perylene-d12	24.08	264	75801	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	6875	3.92	ng	0.00
5) Phenol-d6	7.34	99	4794	2.05	ng	0.00
8) Nitrobenzene-d5	9.32	82	11127	4.74	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	5864	7.01	ng	0.00
14) 2-Fluorobiphenyl	13.42	172	27596	4.75	ng	-0.01
26) Terphenyl-d14	20.16	244	47694	4.78	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.39	88	34	Below Cal	#	19
3) n-Nitrosodimethylamine	3.83	42	58	0.12 ng	#	17
19) Hexachlorobenzene	16.66	284	114	0.06 ng	#	1
27) Benzo(a)anthracene	21.75	228	6730	0.08 ng	#	73
28) Chrysene	21.75	228	6890	Below Cal	#	92
29) Bis(2-ethylhexyl)phthalate	21.61	149	1119	0.16 ng	#	77
34) Benzo(a)pyrene	23.97	252	499	0.03 ng	#	14

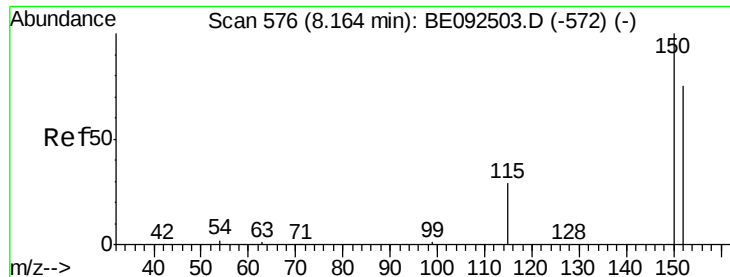
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161031

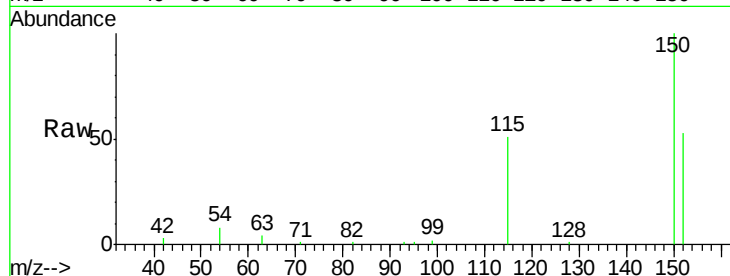
Tgt Ion: 152 Resp: 7951

Ion Ratio Lower Upper

152 100

150 187.6 106.0 159.0#

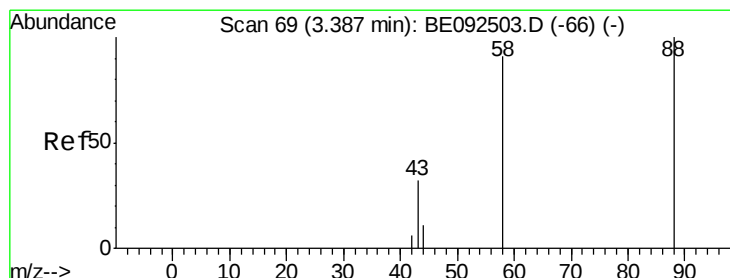
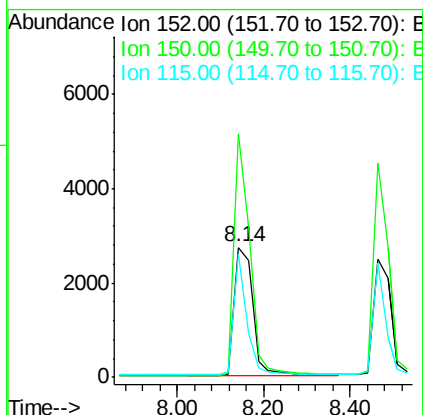
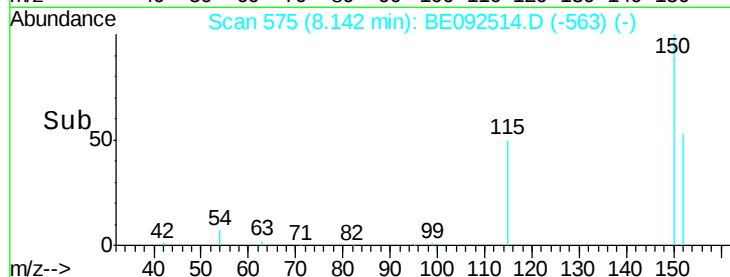
115 95.3 31.2 46.8#



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.39 min Scan# 69

Delta R.T. -0.00 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

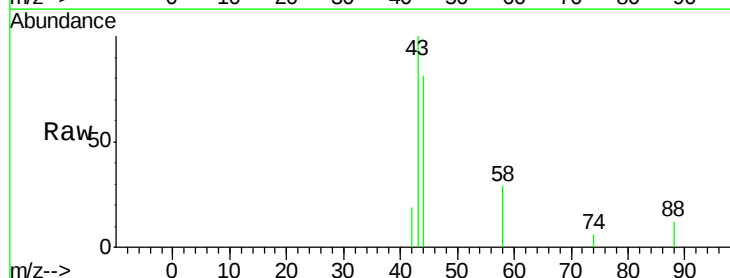
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

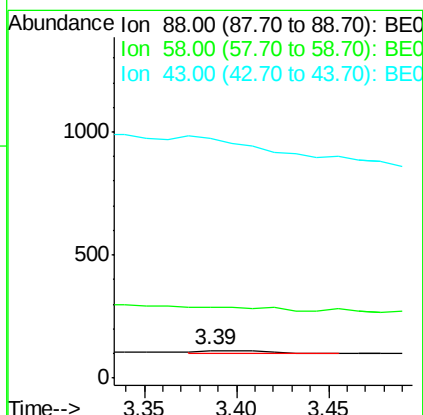
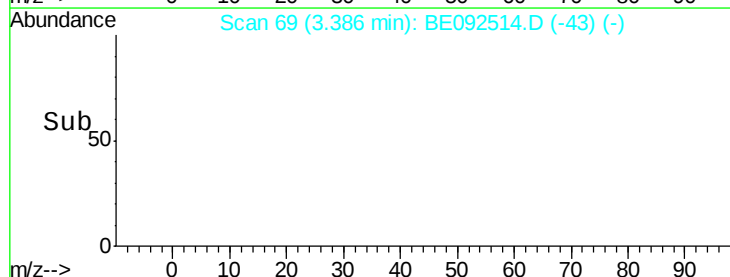
43 0.0 28.0 42.0#

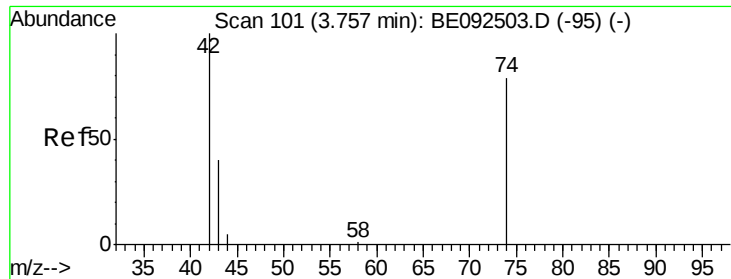


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.83 min Scan# 107

Delta R.T. 0.07 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

Instrument :

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KY038PS033-161031

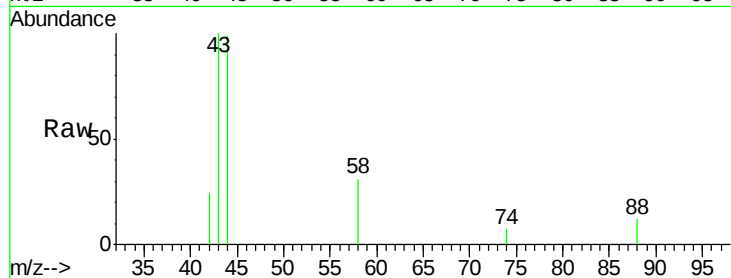
Tgt Ion: 42 Resp: 58

Ion Ratio Lower Upper

42 100

74 17.2 86.0 129.0#

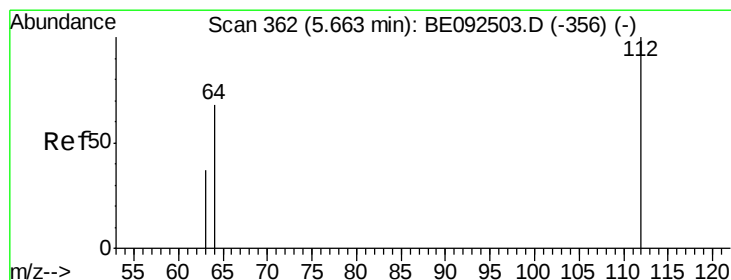
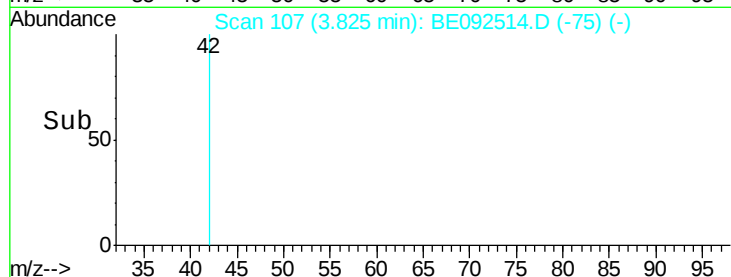
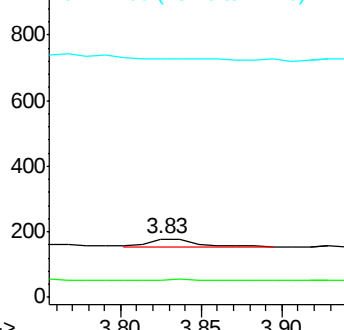
44 0.0 5.1 7.7#



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: 3.92 ng

RT: 5.66 min Scan# 361

Delta R.T. -0.01 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

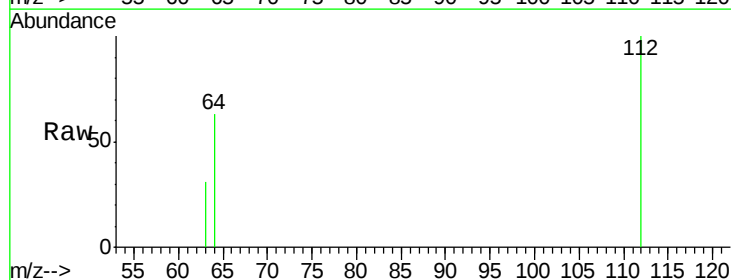
Tgt Ion: 112 Resp: 6875

Ion Ratio Lower Upper

112 100

64 67.8 53.5 80.3

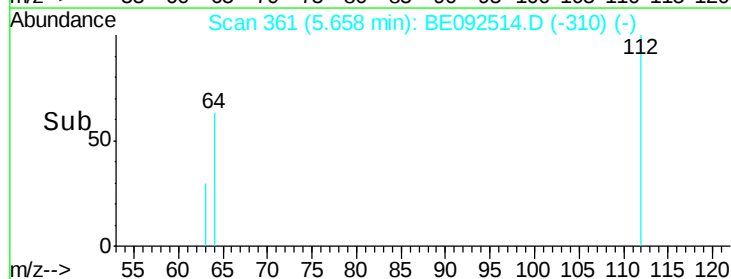
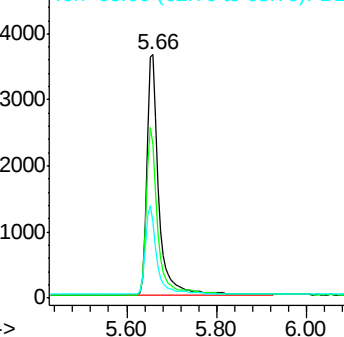
63 35.9 27.9 41.9

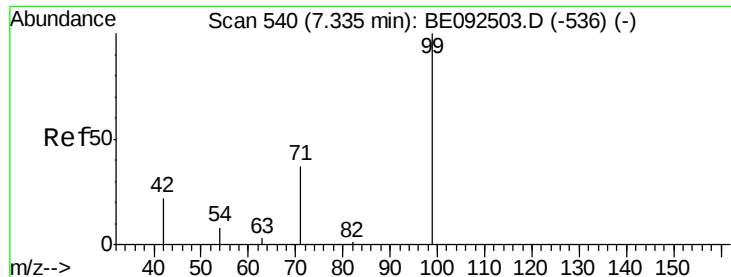


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.05 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161031

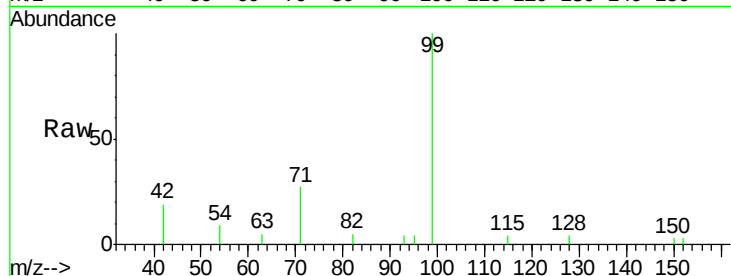
Tgt Ion: 99 Resp: 4794

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): BE092514.D (-527) (-)

Ion 42.00 (41.70 to 42.70): BE092514.D (-527) (-)

Ion 71.00 (70.70 to 71.70): BE092514.D (-527) (-)

7.34

1500

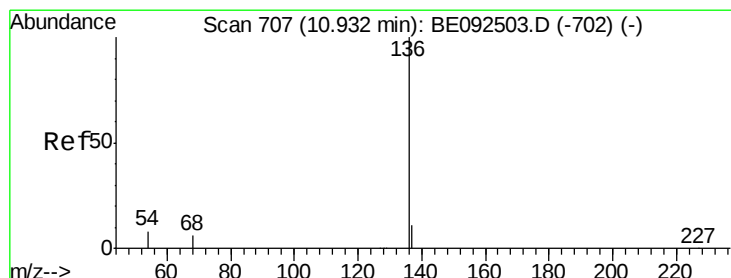
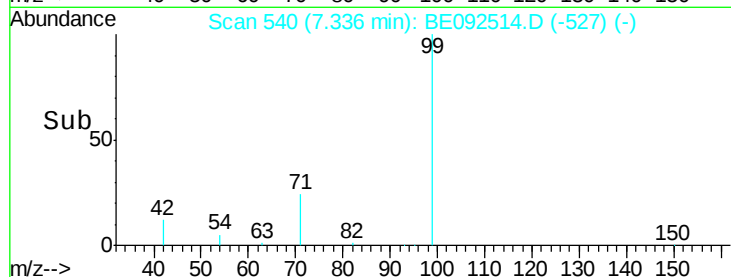
1000

500

0

Time-->

7.20 7.40 7.60



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

Tgt Ion: 136 Resp: 35799

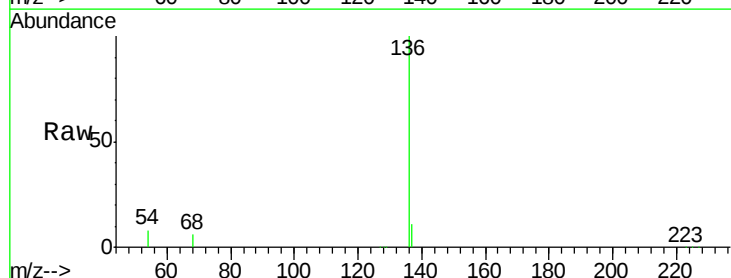
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 8.3 9.6 14.4#

68 6.2 6.7 10.1#



Abundance Ion 136.00 (135.70 to 136.70): BE092514.D (-691) (-)

Ion 137.00 (136.70 to 137.70): BE092514.D (-691) (-)

Ion 54.00 (53.70 to 54.70): BE092514.D (-691) (-)

Ion 68.00 (67.70 to 68.70): BE092514.D (-691) (-)

10.93

25000

20000

15000

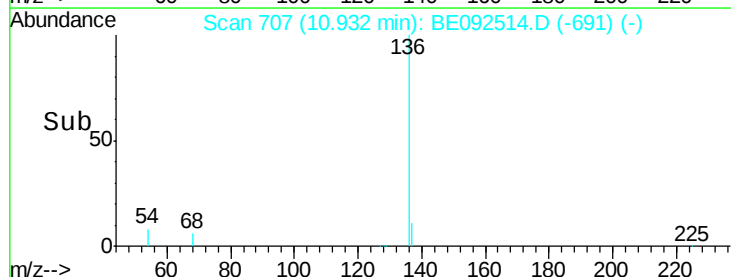
10000

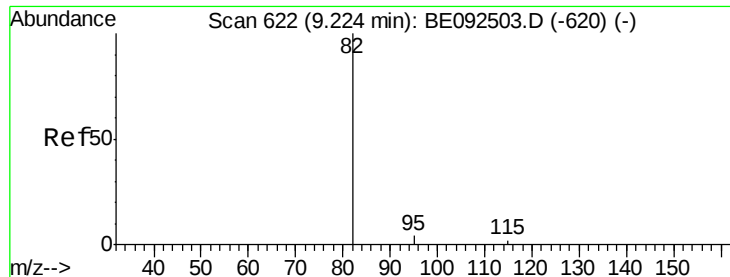
5000

0

Time-->

10.80 11.00 11.20





#8

Nitrobenzene-d5

Concen: 4.74 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161031

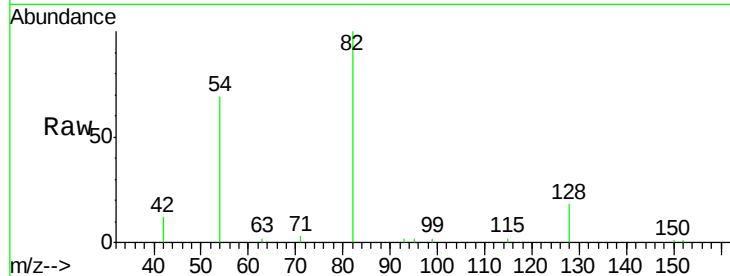
Tgt Ion: 82 Resp: 11127

Ion Ratio Lower Upper

82 100

128 18.0 39.0 58.4#

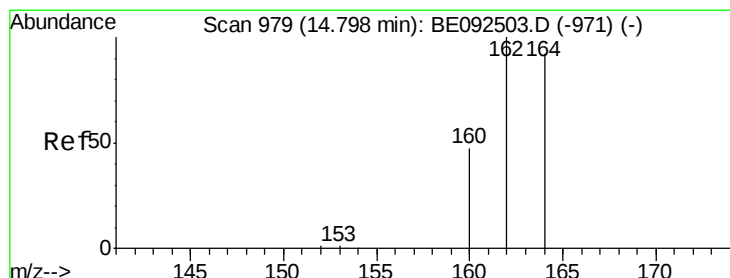
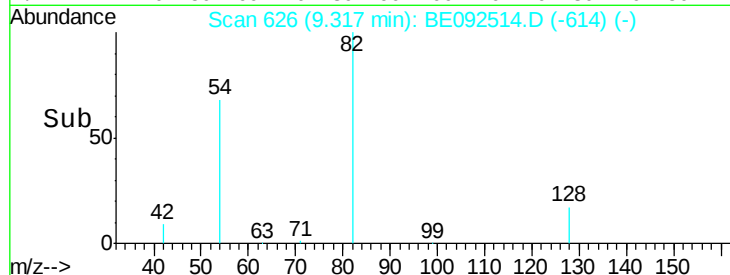
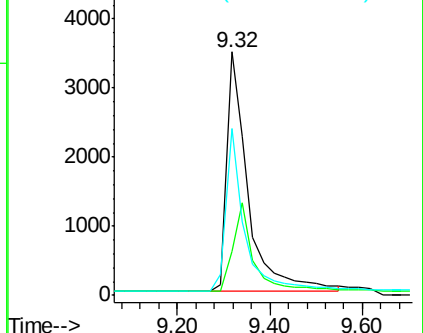
54 68.6 44.8 67.2#



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: BE092514.D

Acq: 8 Nov 2016 18:24

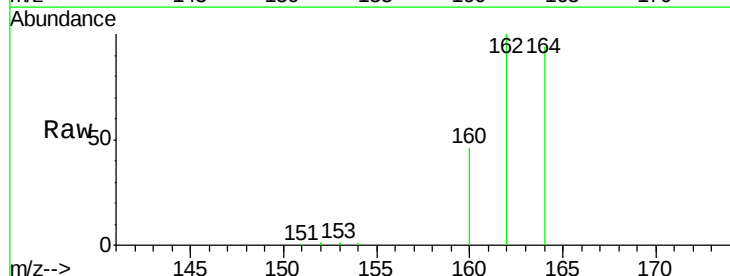
Tgt Ion: 164 Resp: 23508

Ion Ratio Lower Upper

164 100

162 105.8 71.4 107.0

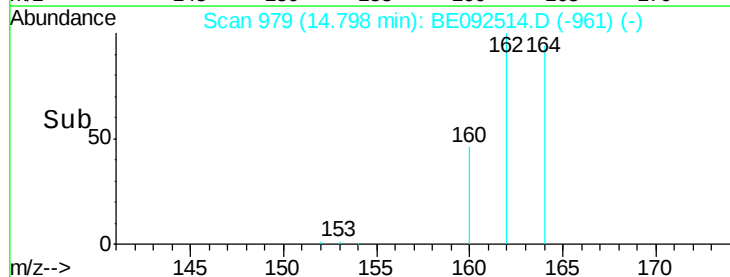
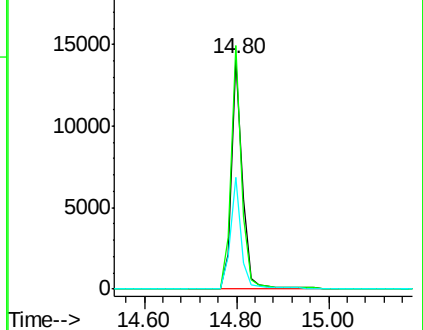
160 48.7 27.4 41.2#

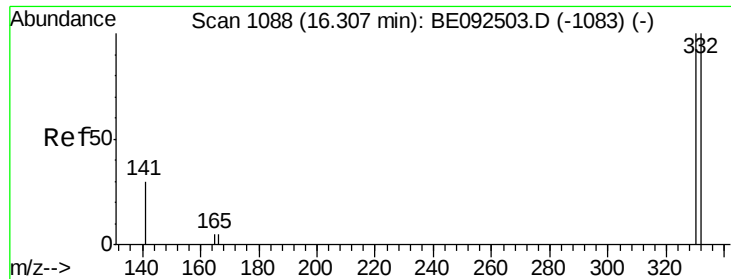


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

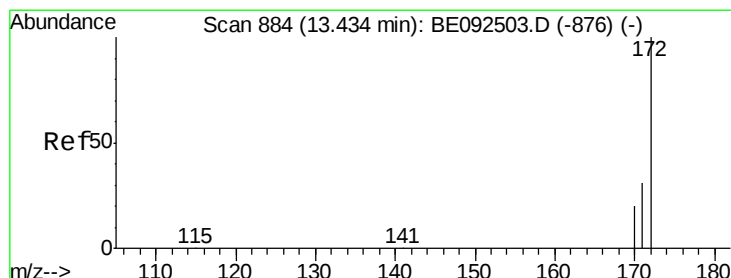
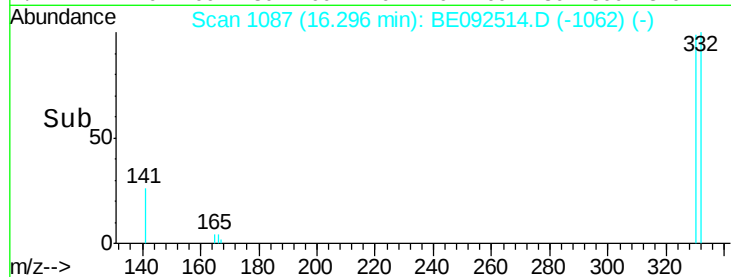
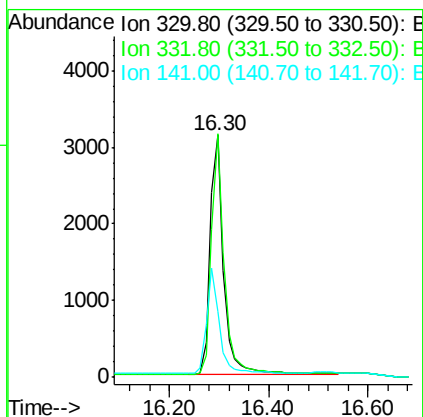
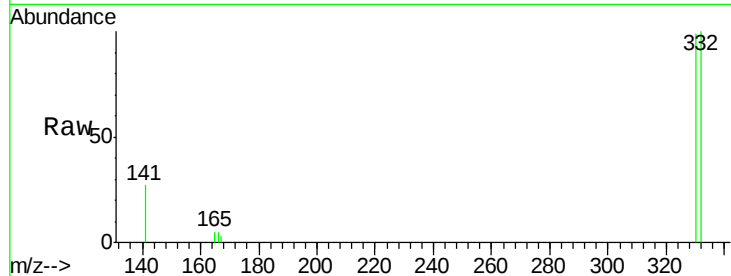




#13
 2,4,6-Tribromophenol
 Concen: 7.01 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092514.D
 Acq: 8 Nov 2016 18:24

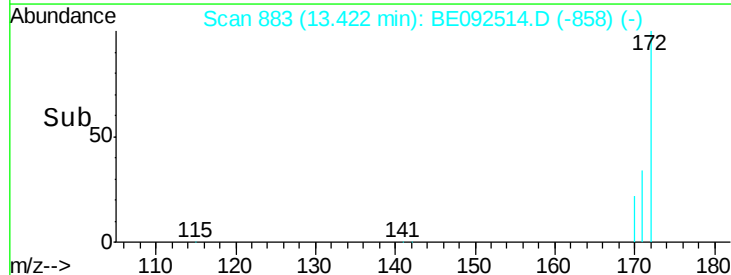
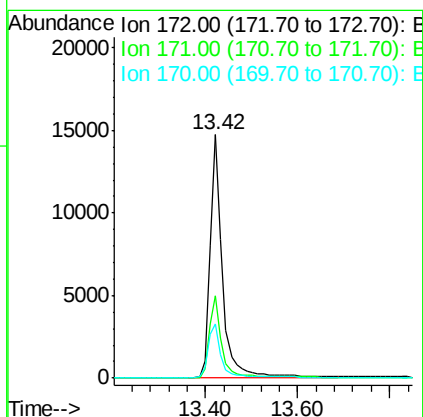
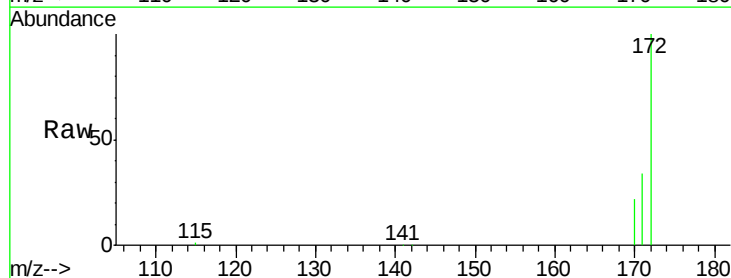
Instrument :
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 KY038PS033-161031

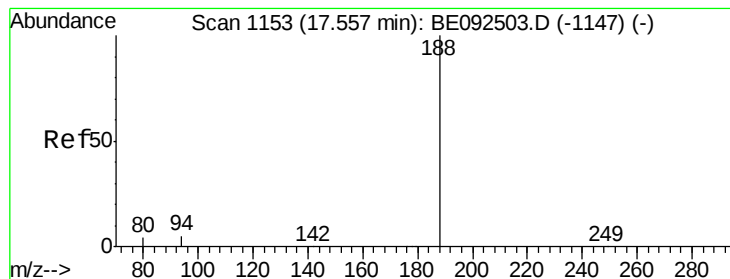
Tgt Ion:330 Resp: 5864
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.4 113.0
 141 41.8 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.75 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092514.D
 Acq: 8 Nov 2016 18:24

Tgt Ion:172 Resp: 27596
 Ion Ratio Lower Upper
 172 100
 171 33.8 30.1 45.1
 170 22.3 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: BE092514.D

Acq: 8 Nov 2016 18:24

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161031

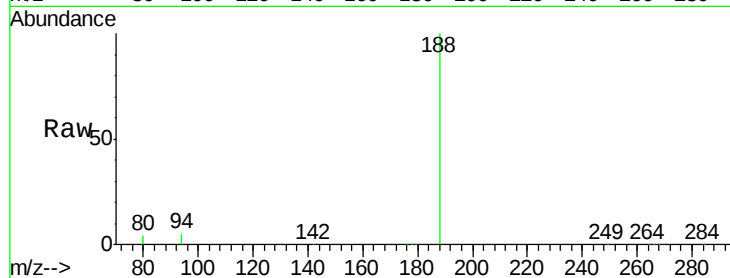
Tgt Ion:188 Resp: 52837

Ion Ratio Lower Upper

188 100

94 5.0 3.2 4.8#

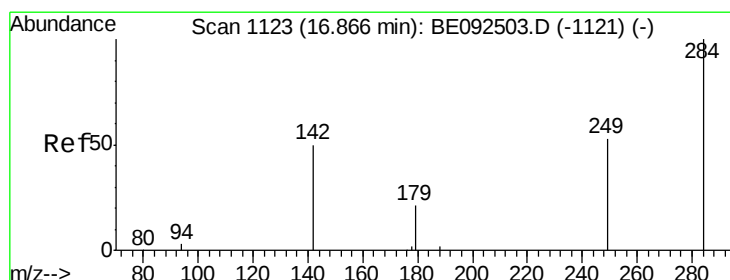
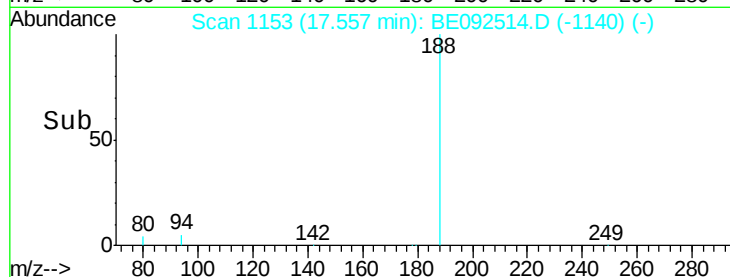
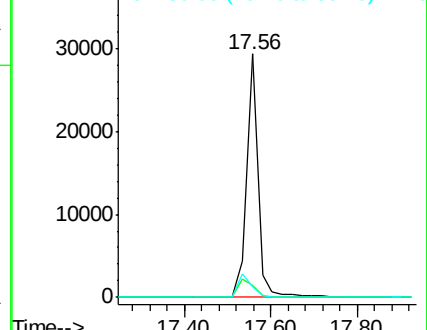
80 4.4 2.6 3.8#



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: 0.06 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

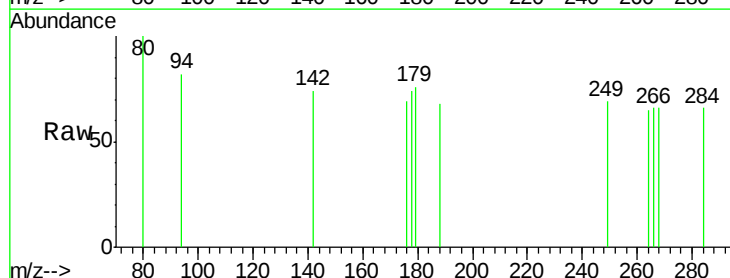
Tgt Ion:284 Resp: 114

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

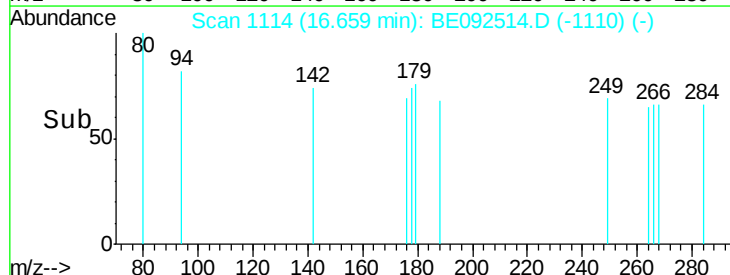
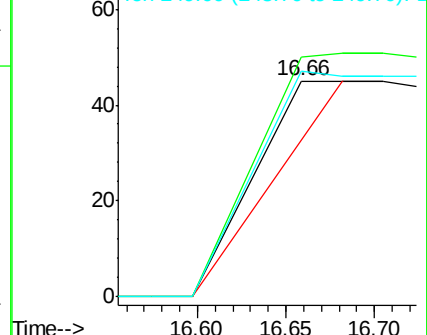
249 538.6 27.9 41.9#

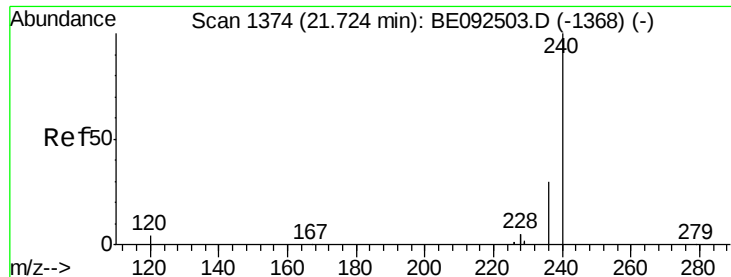


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

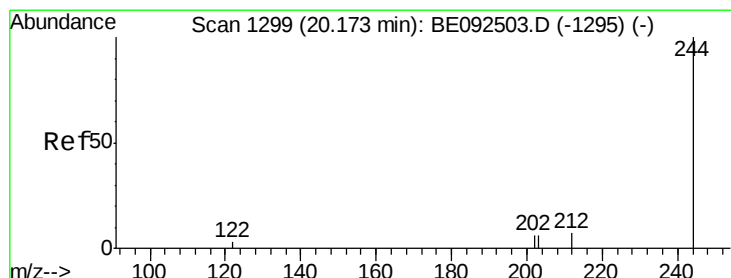
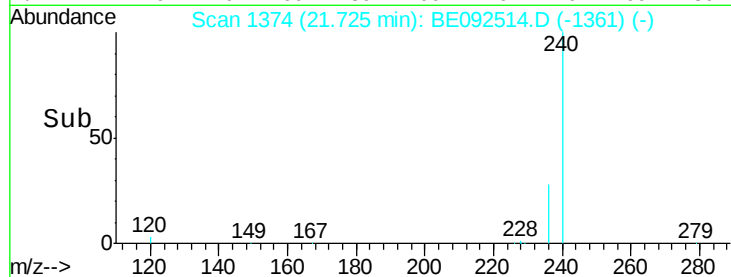
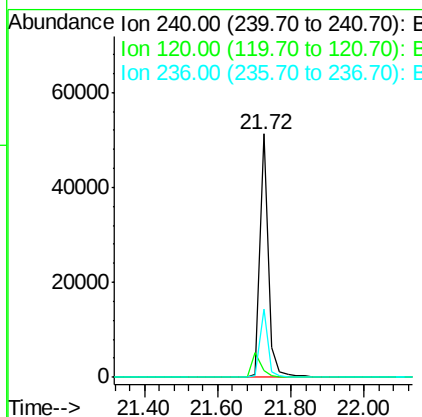
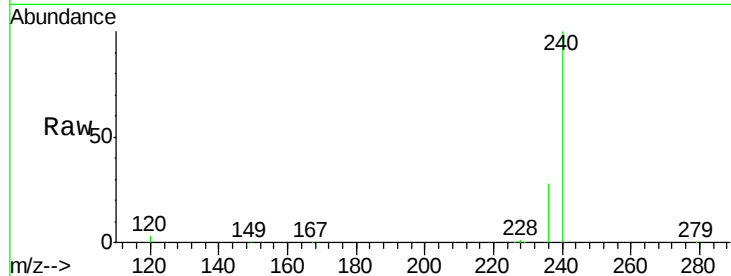




#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092514.D
 Acq: 8 Nov 2016 18:24

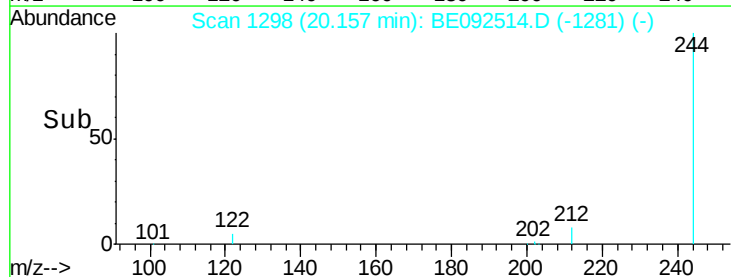
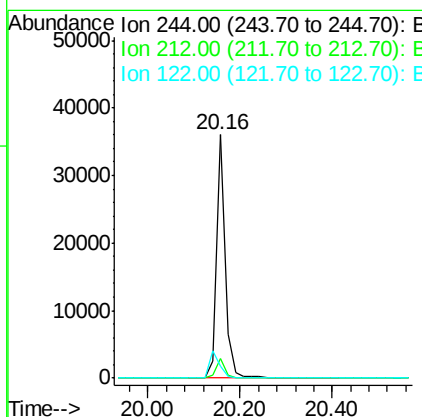
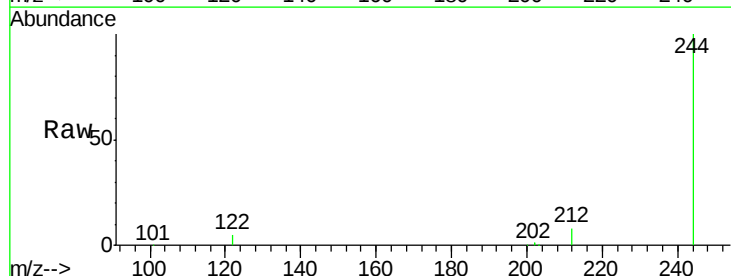
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-161031

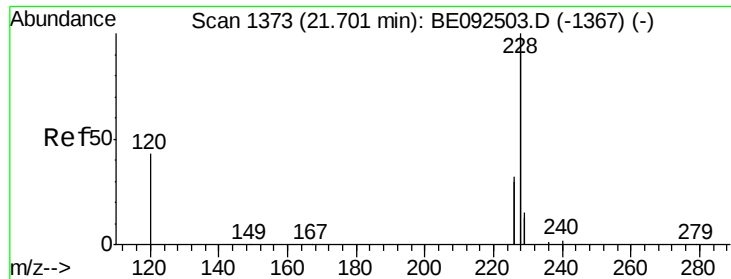
Tgt Ion:240 Resp: 82098
 Ion Ratio Lower Upper
 240 100
 120 2.9 2.6 4.0
 236 27.8 24.6 37.0



#26
 Terphenyl-d14
 Concen: 4.78 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092514.D
 Acq: 8 Nov 2016 18:24

Tgt Ion:244 Resp: 47694
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.7 10.1
 122 4.9 3.6 5.4

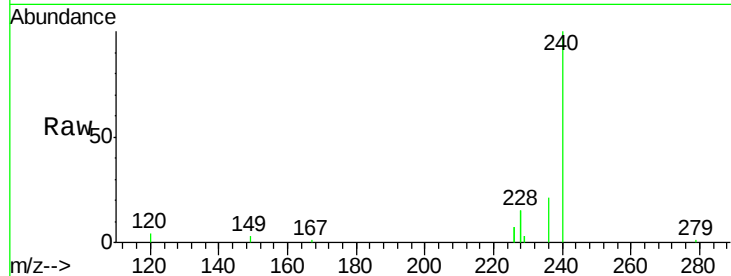




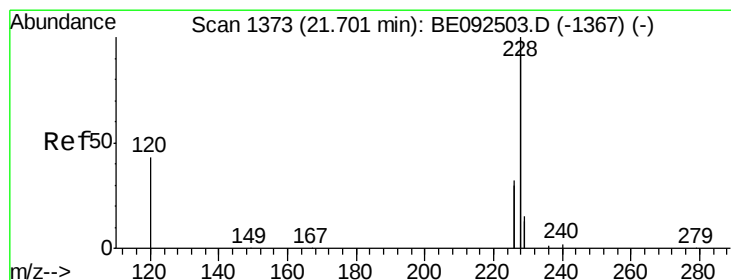
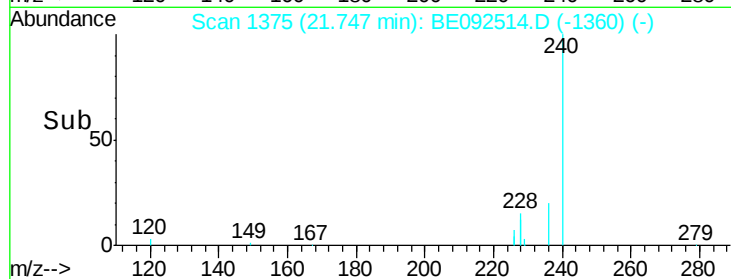
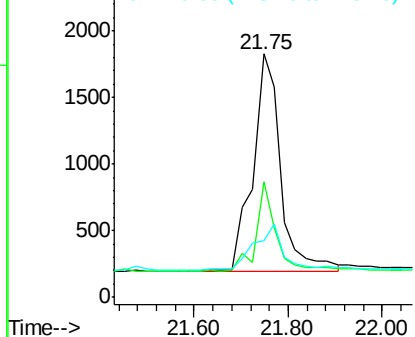
#27
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.05 min
Lab File: BE092514.D
Acq: 8 Nov 2016 18:24

Instrument :
BNA_E
ClientSampleId :
KY038PS033-161031

Tgt Ion:228 Resp: 6730
Ion Ratio Lower Upper
228 100
226 47.3 23.6 35.4#
229 23.1 13.3 19.9#

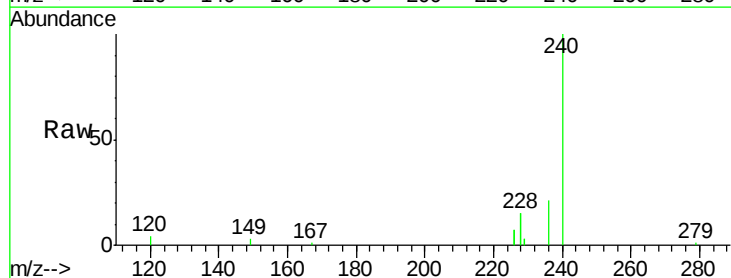


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

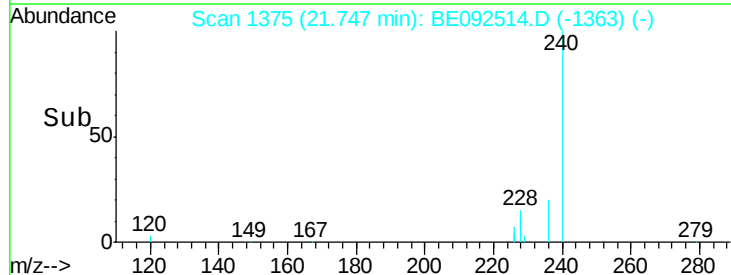
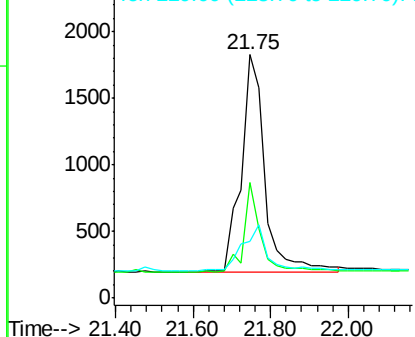


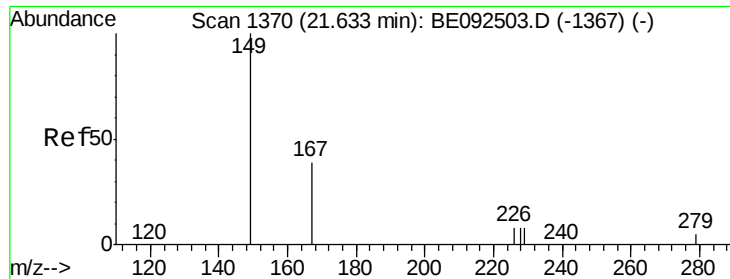
#28
Chrysene
Concen: Below Cal
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092514.D
Acq: 8 Nov 2016 18:24

Tgt Ion:228 Resp: 6890
Ion Ratio Lower Upper
228 100
226 47.3 36.3 54.5
229 23.1 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: 0.16 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161031

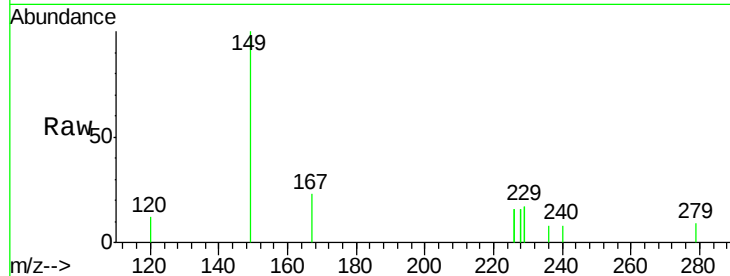
Tgt Ion:149 Resp: 1119

Ion Ratio Lower Upper

149 100

167 21.4 16.0 24.0

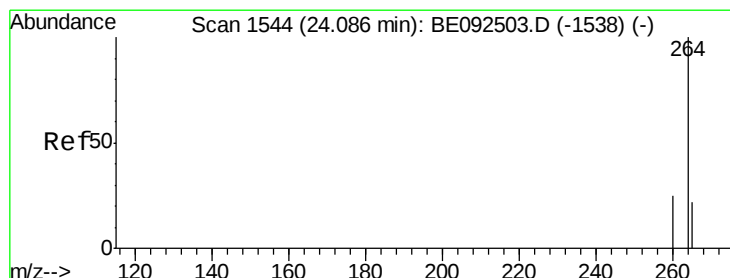
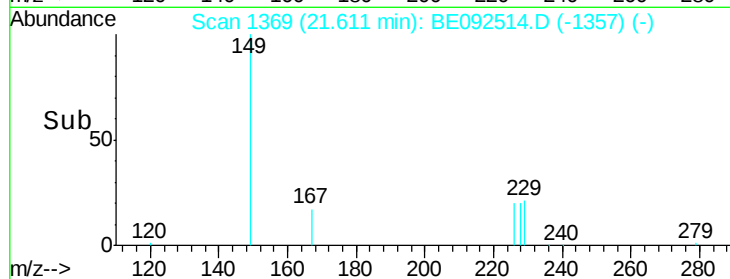
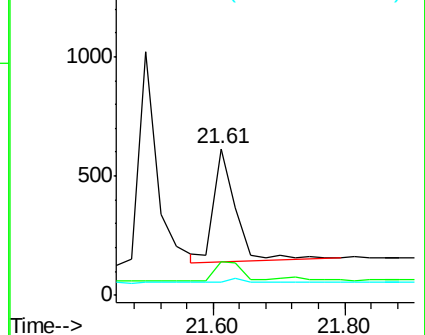
279 0.0 16.0 24.0#



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: BE092514.D

Acq: 8 Nov 2016 18:24

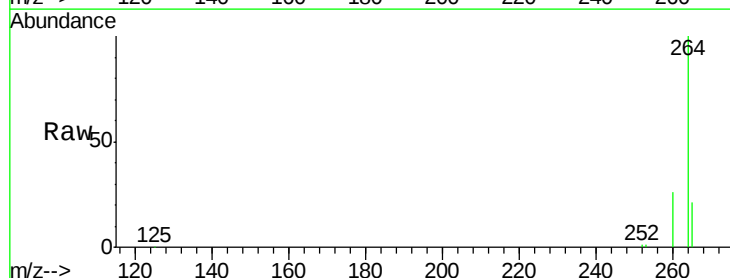
Tgt Ion:264 Resp: 75801

Ion Ratio Lower Upper

264 100

260 26.2 20.1 30.1

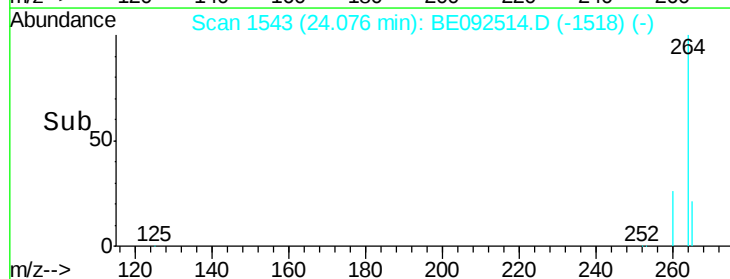
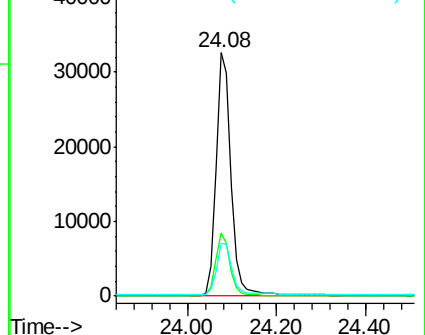
265 21.5 17.9 26.9

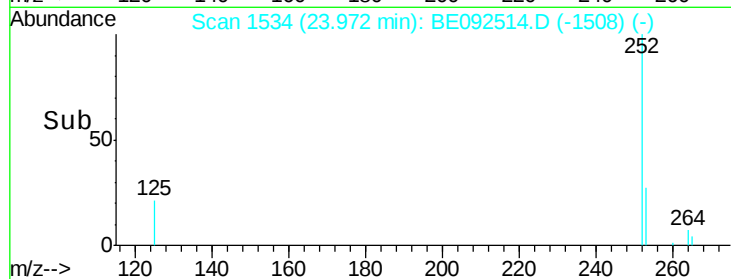
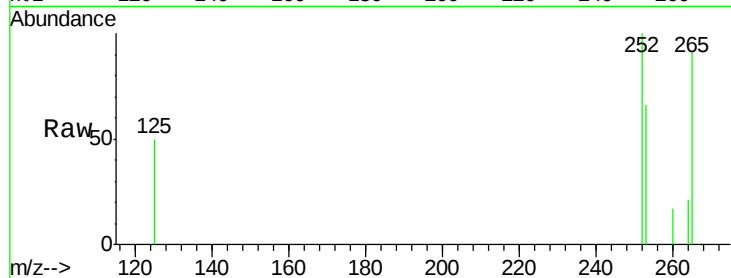
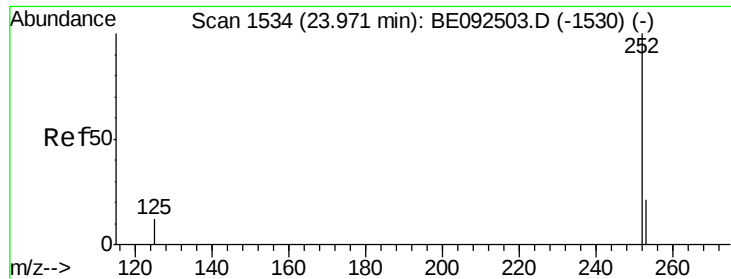


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#34

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.97 min Scan# 1534

Delta R.T. 0.00 min

Lab File: BE092514.D

Acq: 8 Nov 2016 18:24

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161031

Tgt Ion: 252 Resp: 499

Ion Ratio Lower Upper

252 100

253 66.2 19.0 28.6#

125 50.2 11.8 17.8#

