

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110816\
 Data File : BE092513.D
 Acq On : 8 Nov 2016 17:45
 Operator : UM/SJ
 Sample : H5504-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-161031

Quant Time: Nov 09 00:11:39 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	8265	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	37748	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	25581	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	56919	5.00	ng	0.00
24) Chrysene-d12	21.72	240	89164	5.00	ng	0.00
31) Perylene-d12	24.08	264	79600	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.66	112	7543	4.14	ng	0.00
5) Phenol-d6	7.34	99	5477	2.25	ng	0.00
8) Nitrobenzene-d5	9.32	82	12338	4.98	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	7223	7.90	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	30236	4.78	ng	-0.01
26) Terphenyl-d14	20.16	244	51273	4.73	ng	-0.02

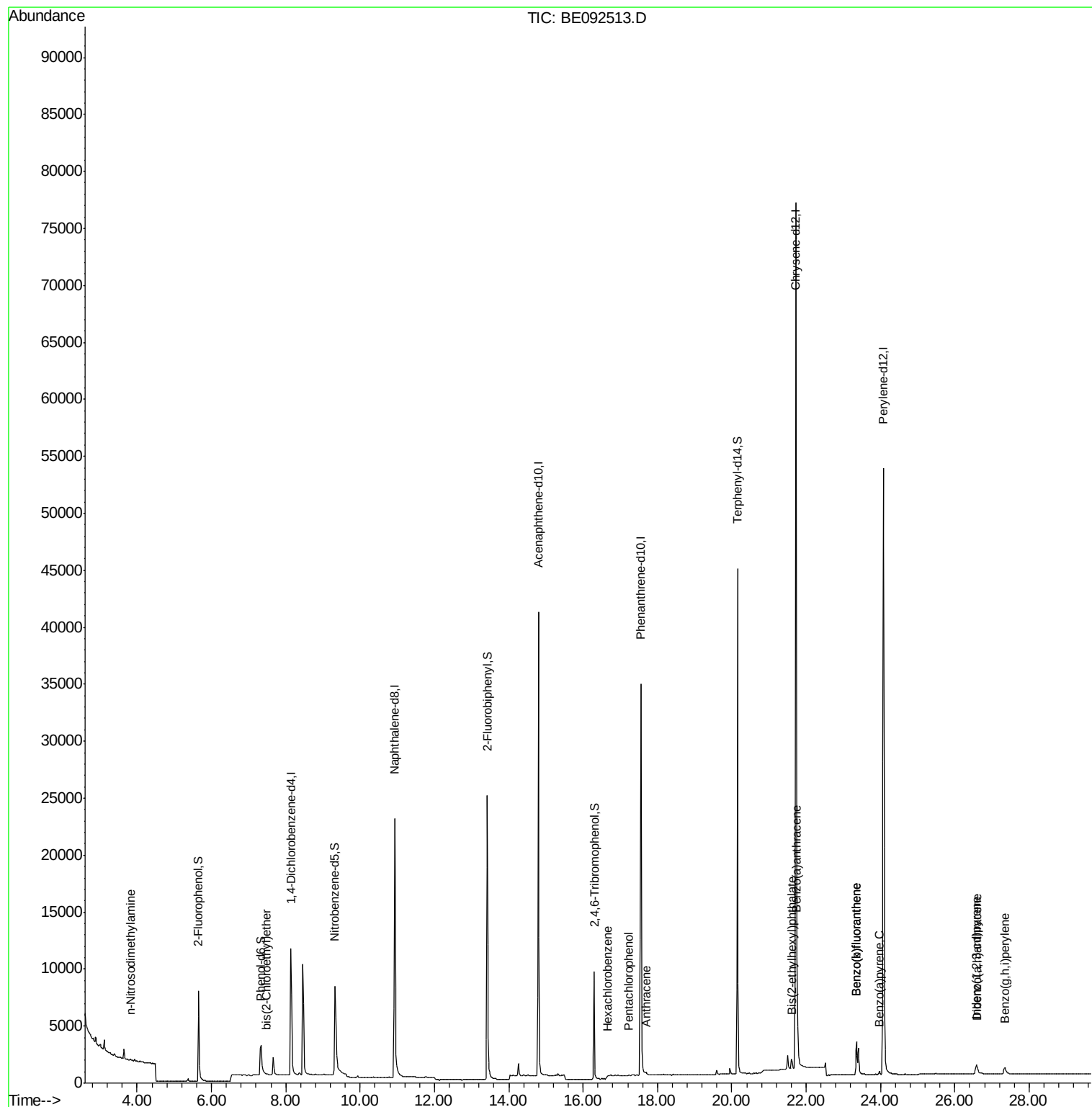
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.83	42	57	0.12	ng	# 10
6) bis(2-Chloroethyl)ether	7.47	93	84	0.03	ng	# 15
19) Hexachlorobenzene	16.66	284	290	0.13	ng	# 39
20) Pentachlorophenol	17.23	266	62	0.10	ng	# 81
22) Anthracene	17.70	178	401	0.03	ng	96
27) Benzo(a)anthracene	21.75	228	7719	0.09	ng	# 71
28) Chrysene	21.75	228	7890	Below Cal		# 90
29) Bis(2-ethylhexyl)phthalate	21.61	149	1532	0.20	ng	# 56
30) Indeno(1,2,3-cd)pyrene	26.58	276	2282	0.02	ng	97
32) Benzo(b)fluoranthene	23.36	252	4660	0.02	ng	94
33) Benzo(k)fluoranthene	23.36	252	4660	0.02	ng	96
34) Benzo(a)pyrene	23.97	252	609	0.03	ng	# 35
35) Dibenzo(a,h)anthracene	26.60	278	405	0.02	ng	# 22
36) Benzo(g,h,i)perylene	27.35	276	1787	0.02	ng	# 44

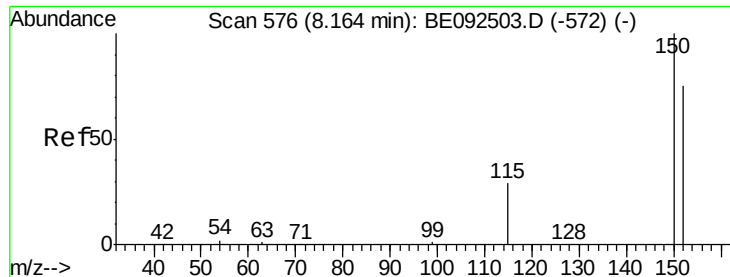
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

ClientSampleId :

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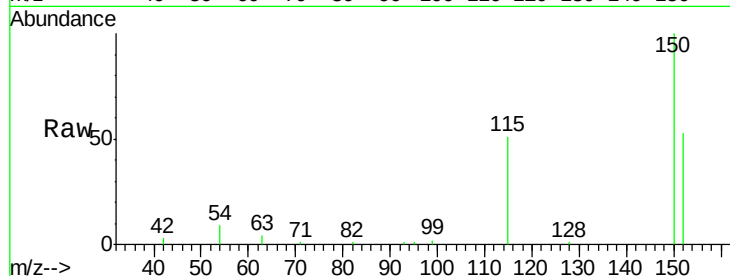
Tgt Ion: 152 Resp: 8265

Ion Ratio Lower Upper

152 100

150 188.8 106.0 159.0#

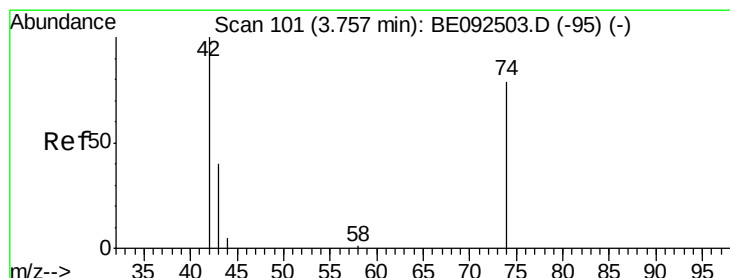
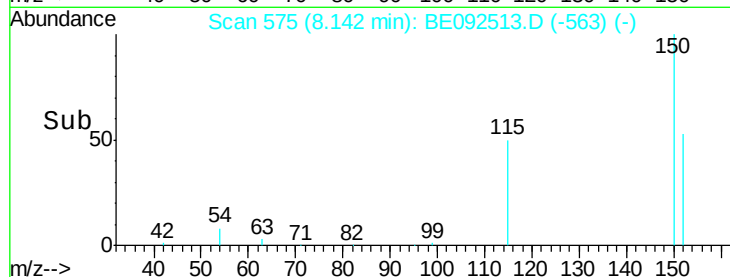
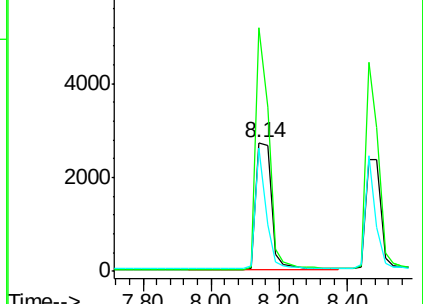
115 95.8 31.2 46.8#



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



#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.83 min Scan# 107

Delta R.T. 0.07 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

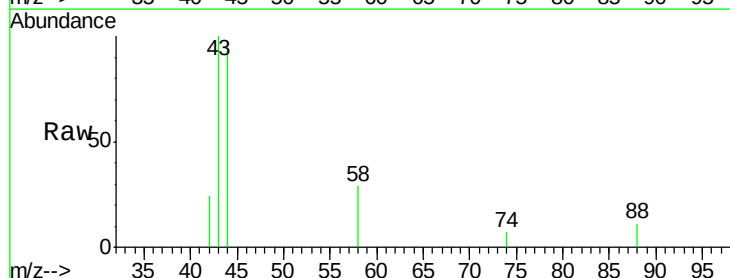
Tgt Ion: 42 Resp: 57

Ion Ratio Lower Upper

42 100

74 8.8 86.0 129.0#

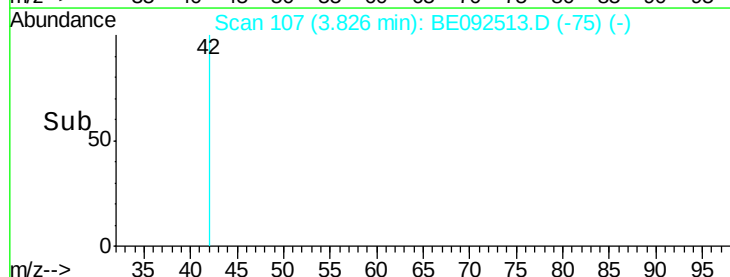
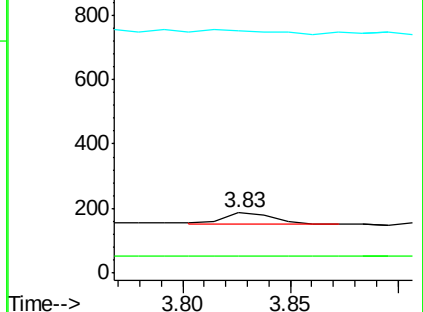
44 0.0 5.1 7.7#

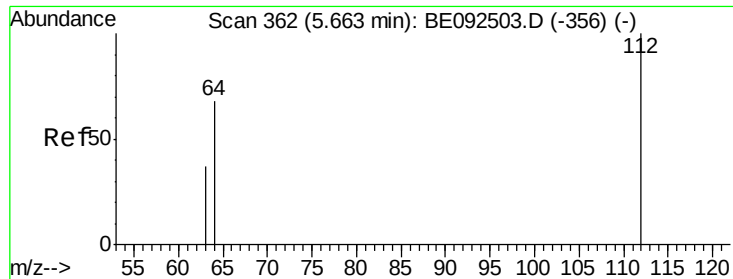


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.14 ng

RT: 5.66 min Scan# 361

Delta R.T. -0.01 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

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KY038PS027-161031

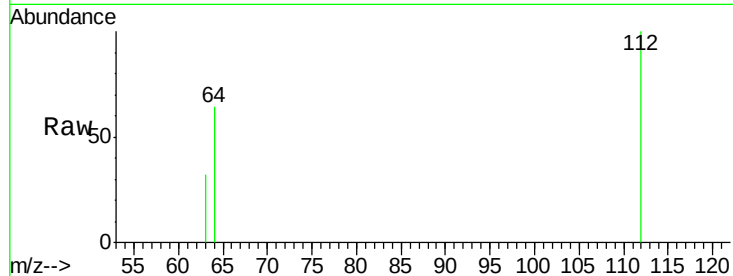
Tgt Ion: 112 Resp: 7543

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

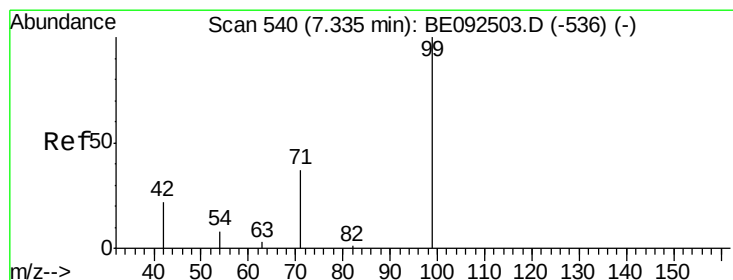
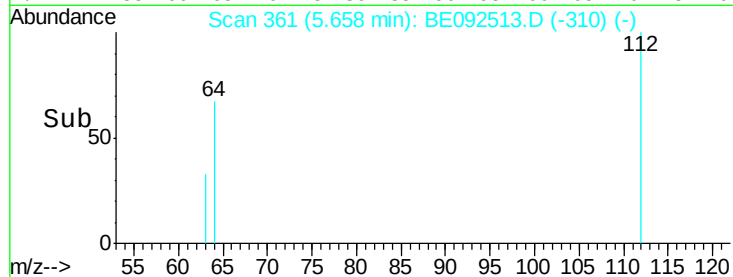
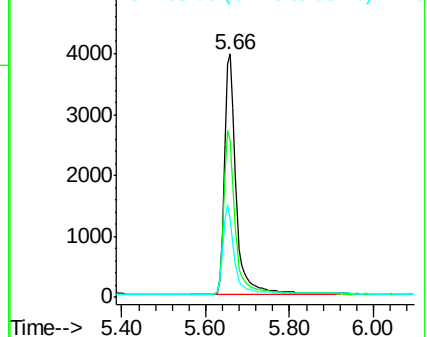
63 36.0 27.9 41.9



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: 2.25 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

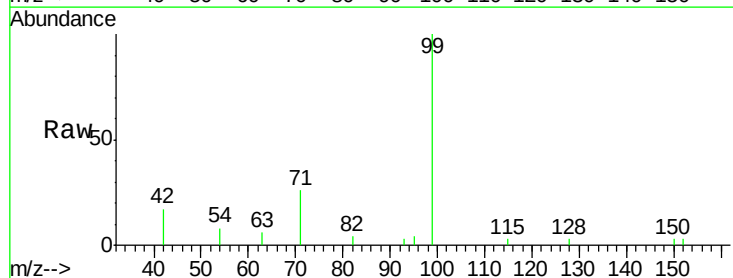
Tgt Ion: 99 Resp: 5477

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

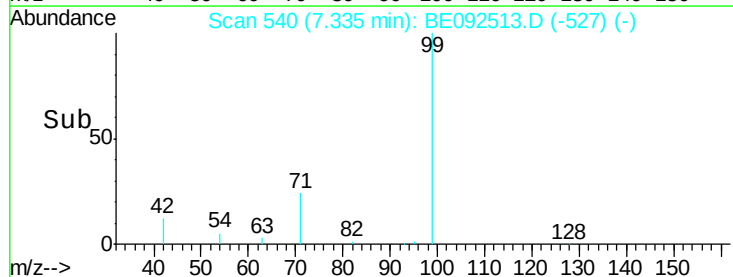
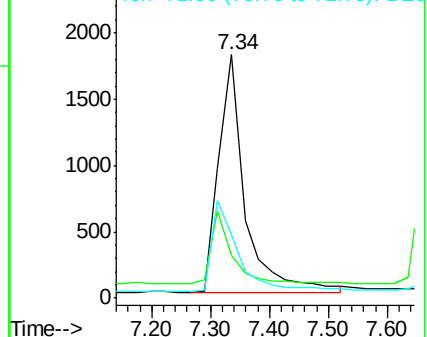
71 0.0 30.6 45.8#

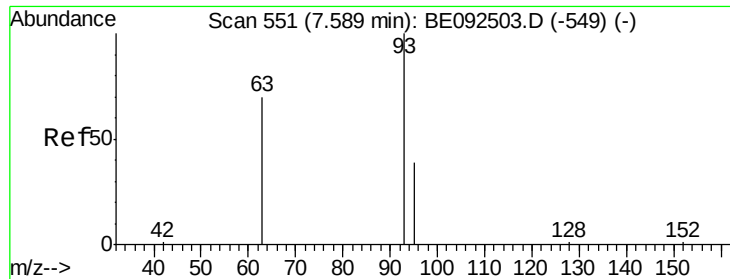


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 7.47 min Scan# 546

Delta R.T. -0.11 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161031

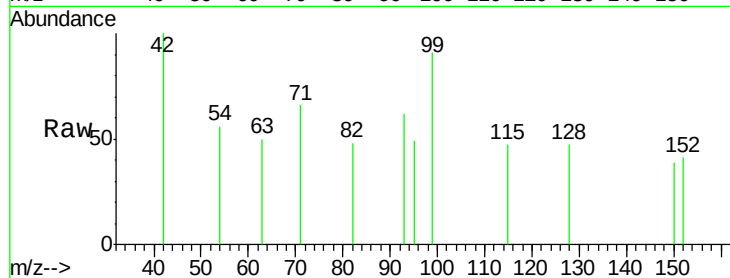
Tgt Ion: 93 Resp: 84

Ion Ratio Lower Upper

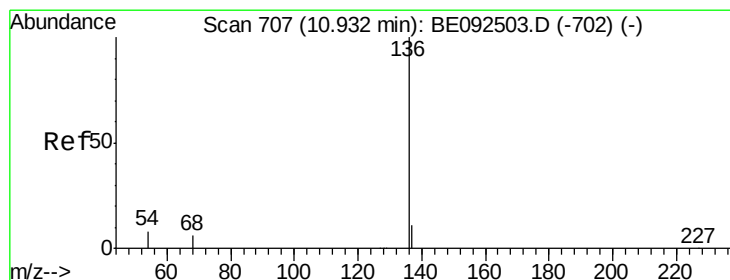
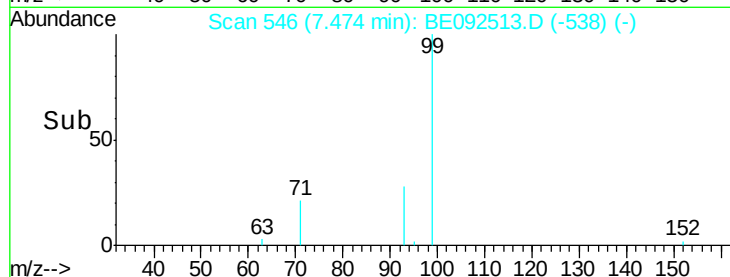
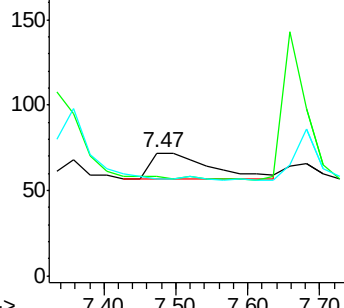
93 100

63 0.0 71.6 107.4#

95 0.0 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: BE092513.D

Acq: 8 Nov 2016 17:45

Tgt Ion: 136 Resp: 37748

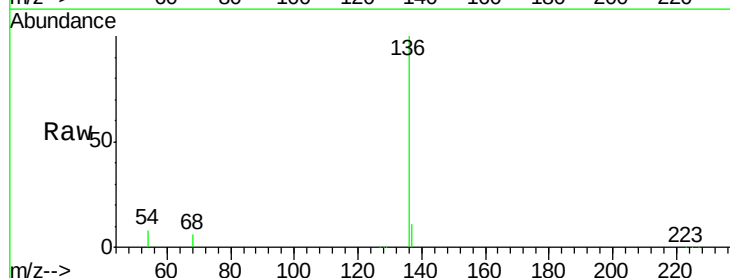
Ion Ratio Lower Upper

136 100

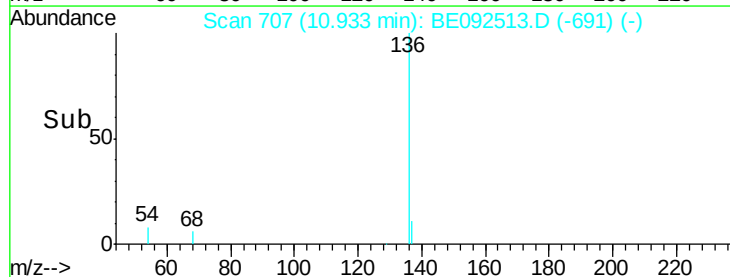
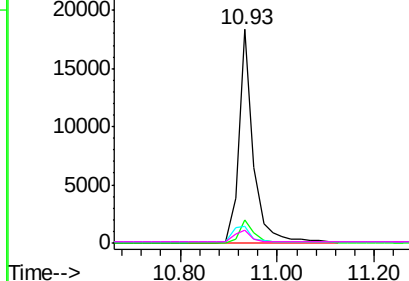
137 11.0 8.2 12.4

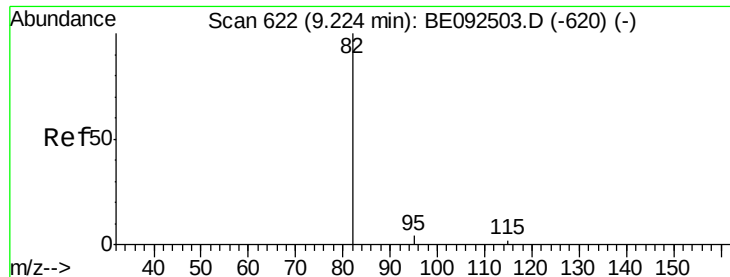
54 8.0 9.6 14.4#

68 6.0 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: 4.98 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

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KY038PS027-161031

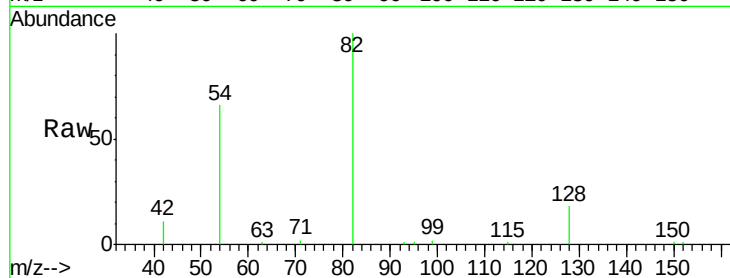
Tgt Ion: 82 Resp: 12338

Ion Ratio Lower Upper

82 100

128 17.8 39.0 58.4#

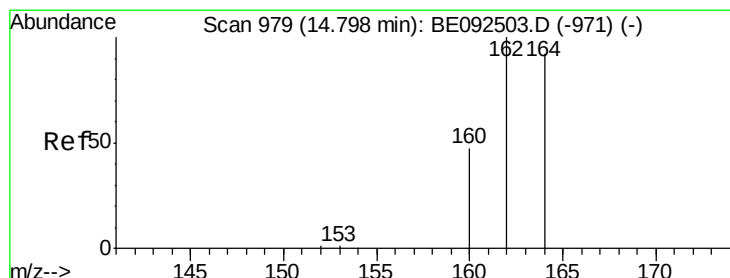
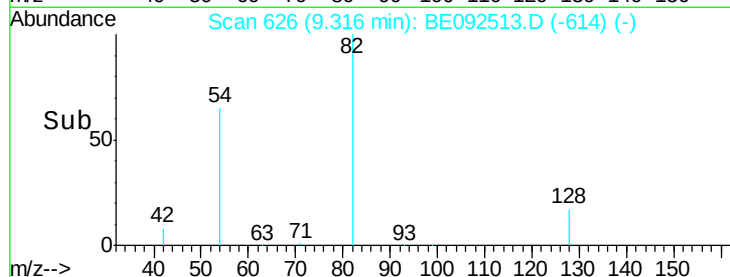
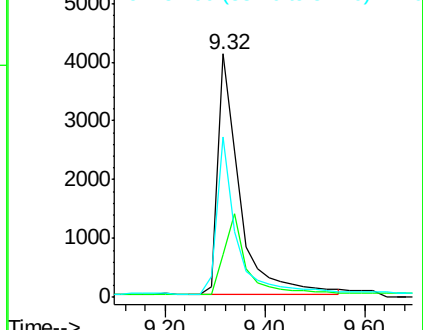
54 66.0 44.8 67.2



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: BE092513.D

Acq: 8 Nov 2016 17:45

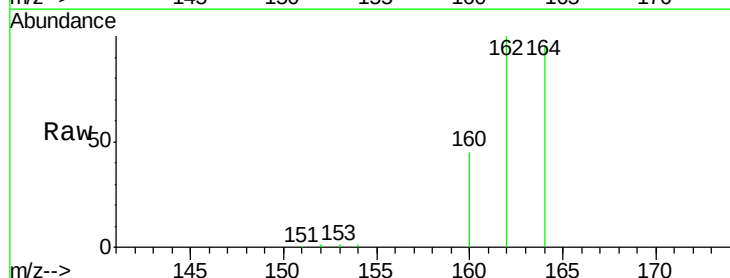
Tgt Ion: 164 Resp: 25581

Ion Ratio Lower Upper

164 100

162 105.6 71.4 107.0

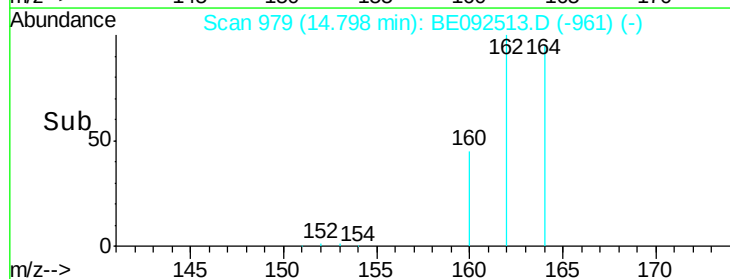
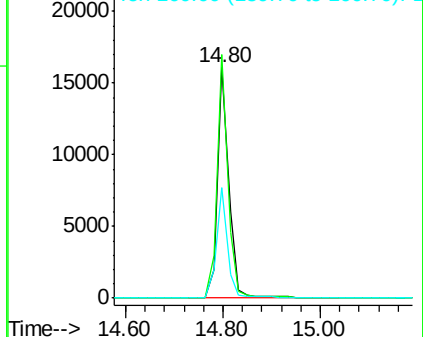
160 47.8 27.4 41.2#

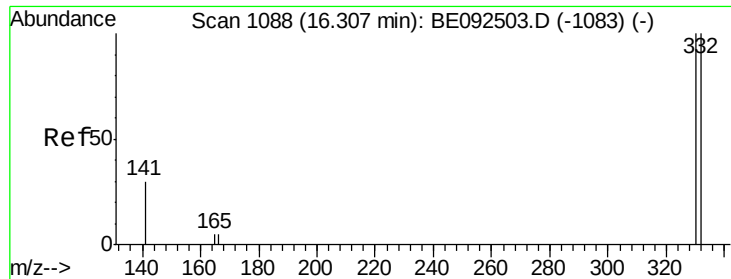


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

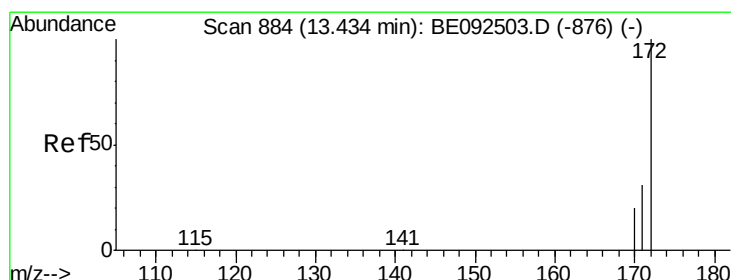
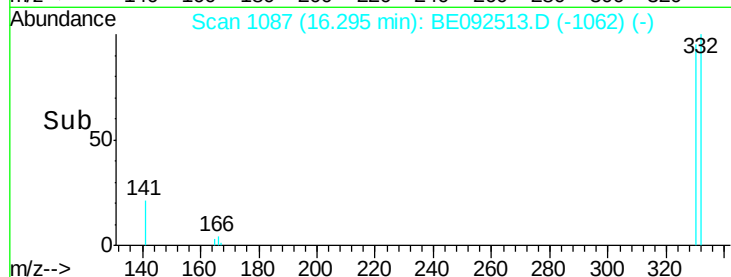
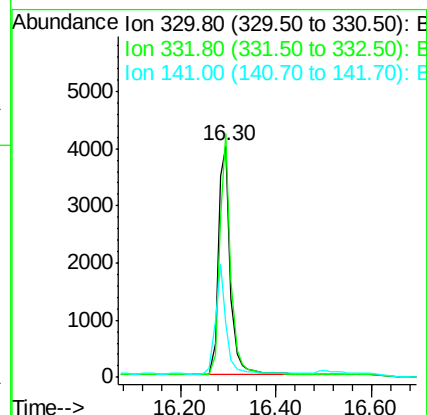
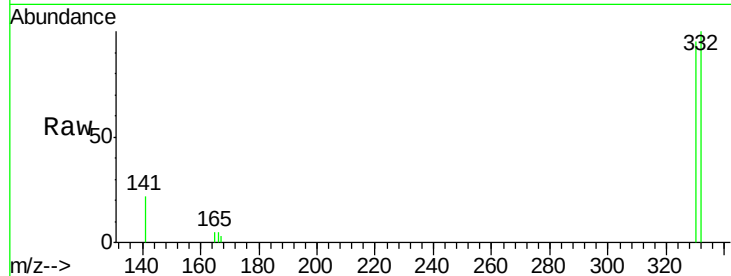




#13
 2,4,6-Tribromophenol
 Concen: 7.90 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

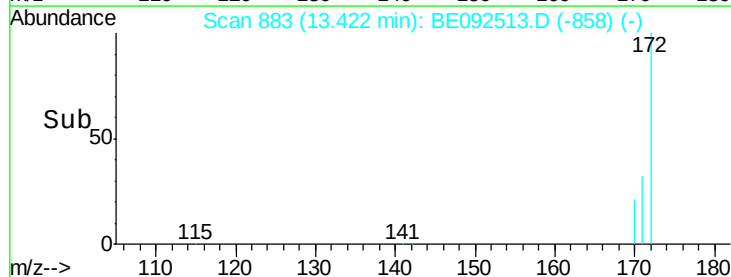
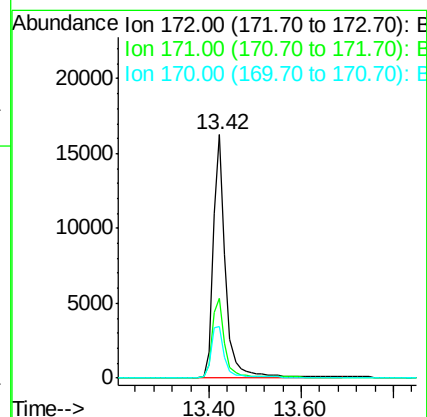
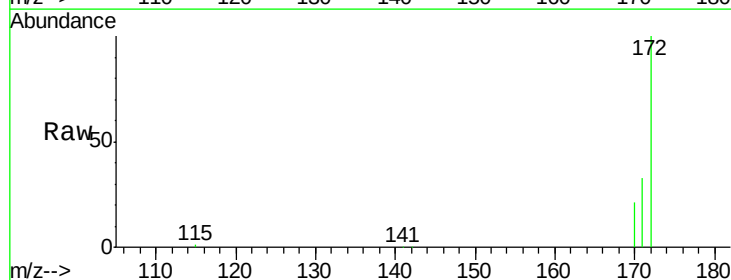
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 KY038PS027-161031

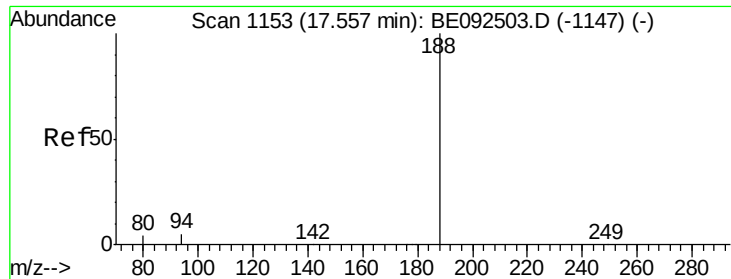
Tgt Ion:330 Resp: 7223
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.4 113.0
 141 41.8 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.78 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

Tgt Ion:172 Resp: 30236
 Ion Ratio Lower Upper
 172 100
 171 32.6 30.1 45.1
 170 21.1 21.8 32.6#

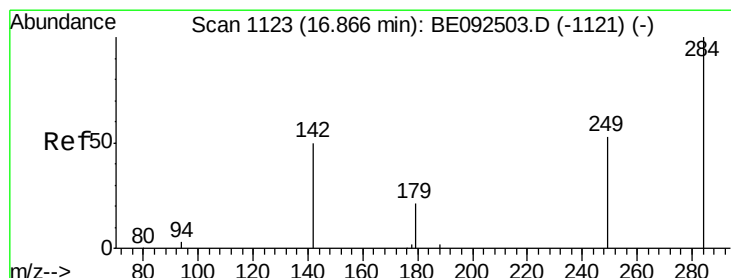
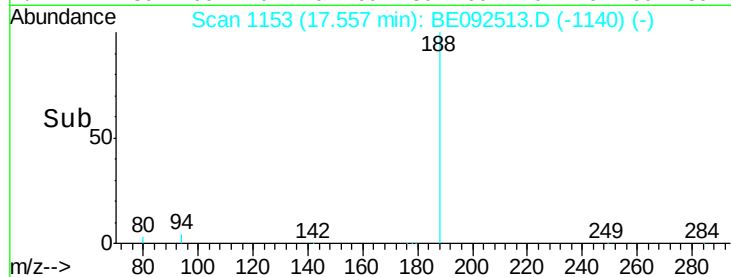
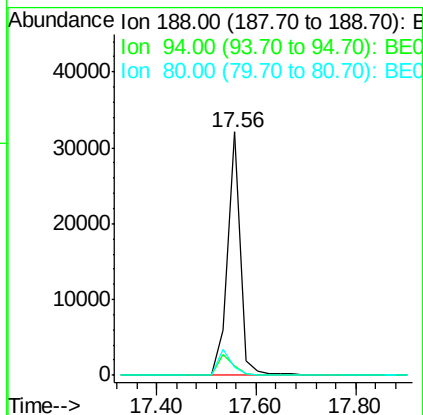
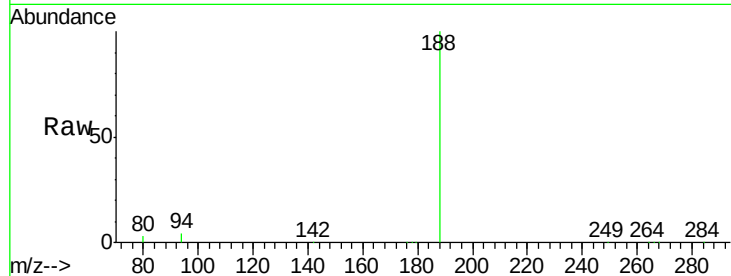




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092513.D
Acq: 8 Nov 2016 17:45

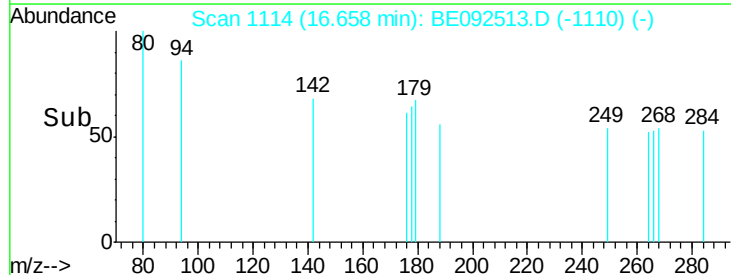
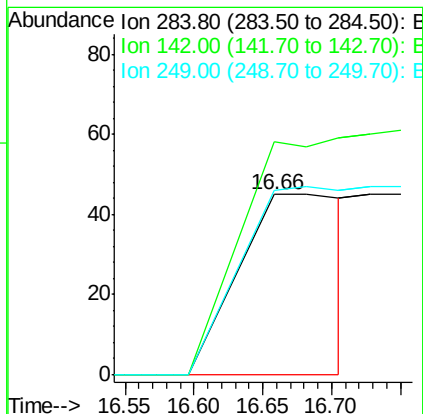
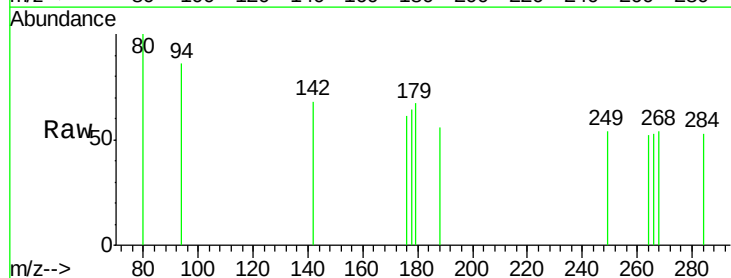
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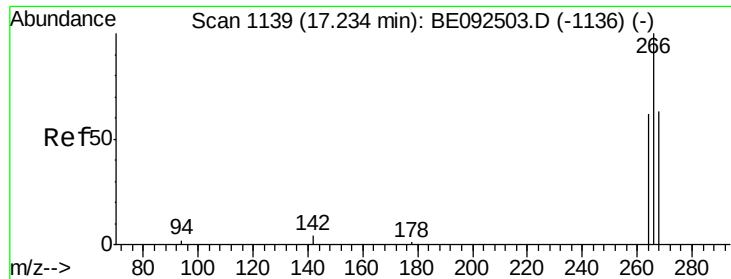
Tgt Ion:188 Resp: 56919
Ion Ratio Lower Upper
188 100
94 3.9 3.2 4.8
80 3.4 2.6 3.8



#19
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092513.D
Acq: 8 Nov 2016 17:45

Tgt Ion:284 Resp: 290
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

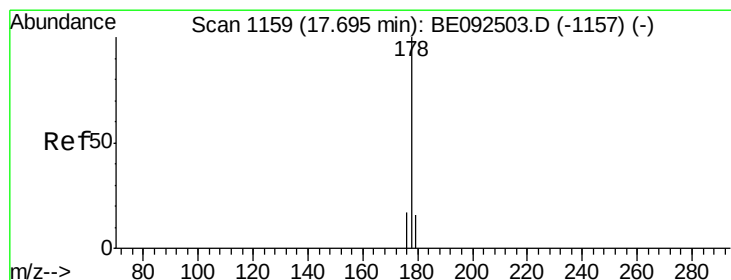
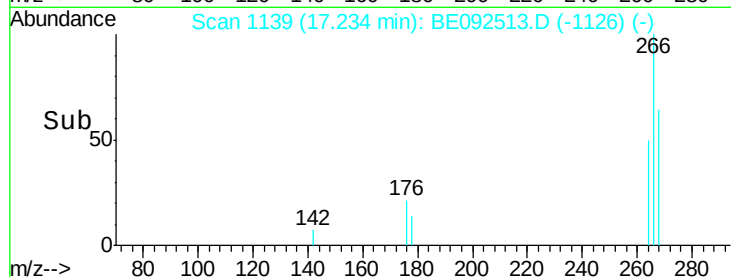
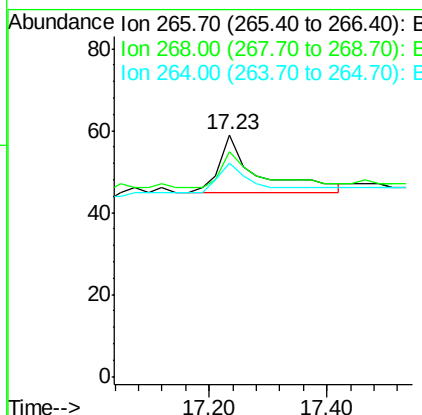
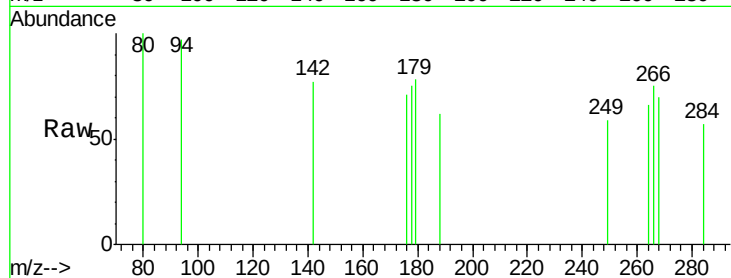




#20
 Pentachlorophenol
 Concen: 0.10 ng
 RT: 17.23 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

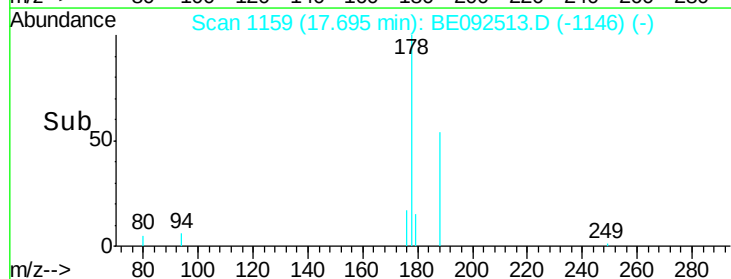
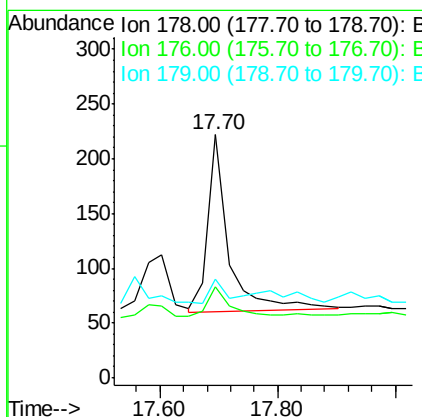
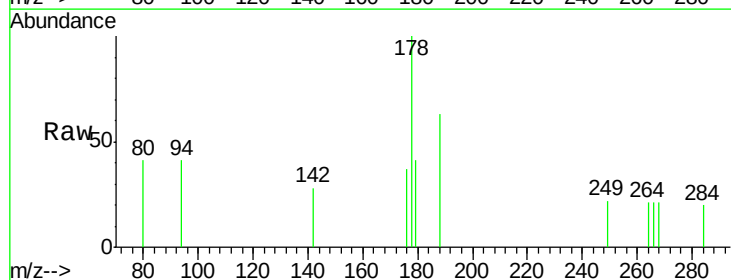
Instrument :
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 KY038PS027-161031

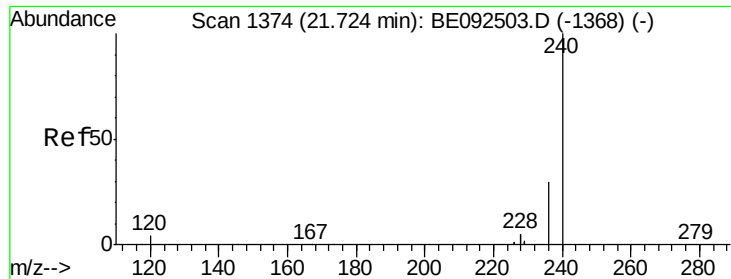
Tgt Ion: 266 Resp: 62
 Ion Ratio Lower Upper
 266 100
 268 93.2 62.5 93.7
 264 88.1 57.2 85.8#



#22
 Anthracene
 Concen: 0.03 ng
 RT: 17.70 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

Tgt Ion: 178 Resp: 401
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.0 22.4
 179 13.7 12.2 18.2

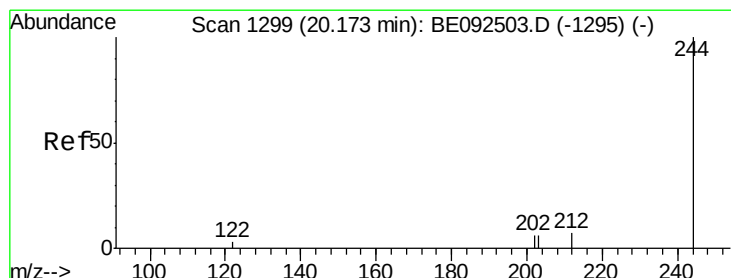
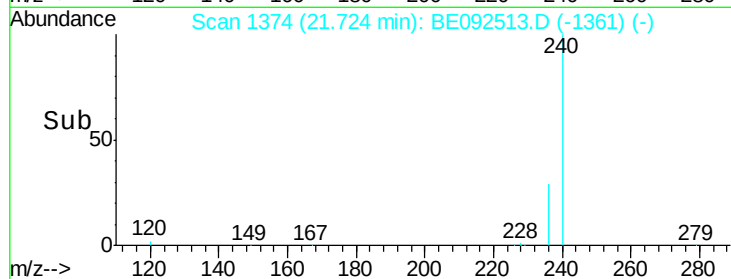
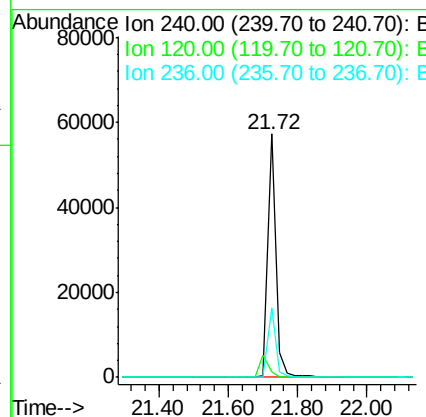
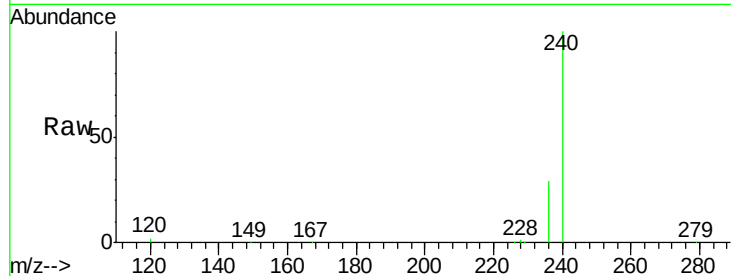




#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

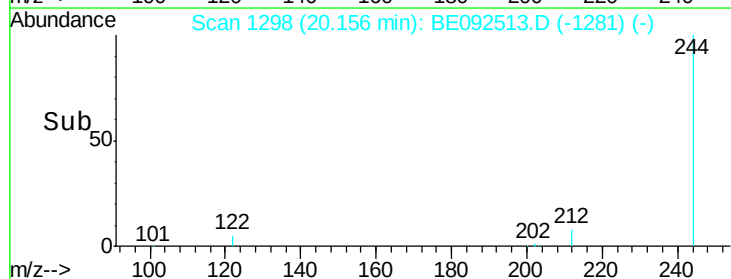
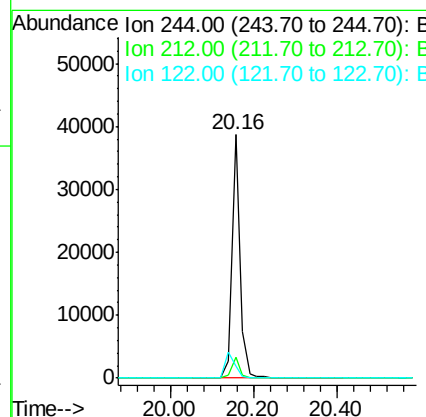
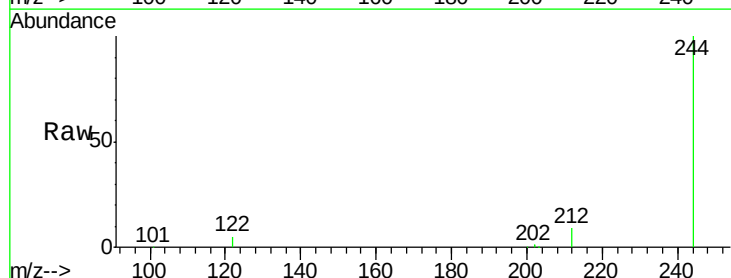
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-161031

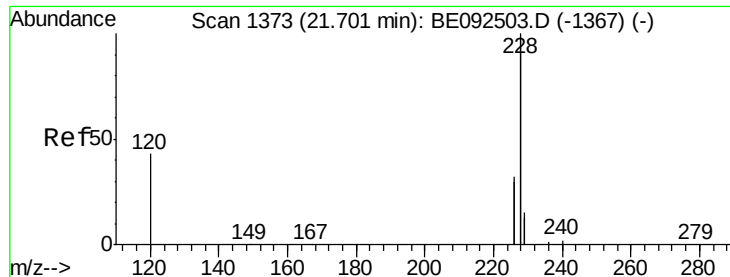
Tgt Ion:240 Resp: 89164
 Ion Ratio Lower Upper
 240 100
 120 2.4 2.6 4.0#
 236 28.8 24.6 37.0



#26
 Terphenyl-d14
 Concen: 4.73 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

Tgt Ion:244 Resp: 51273
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.7 10.1
 122 5.1 3.6 5.4





#27

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.05 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161031

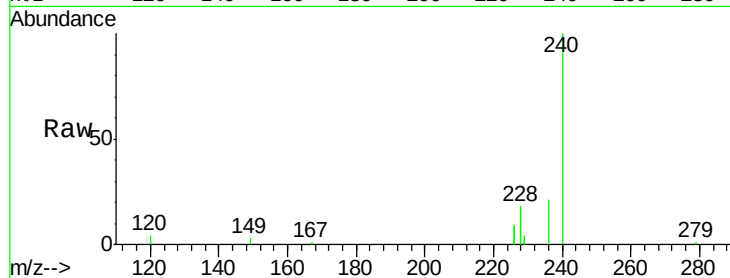
Tgt Ion:228 Resp: 7719

Ion Ratio Lower Upper

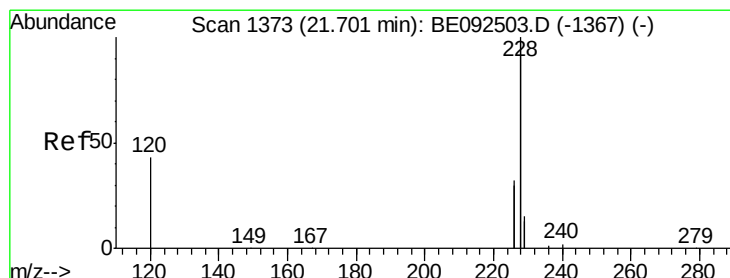
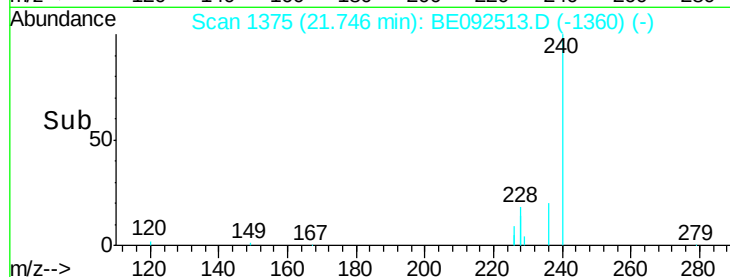
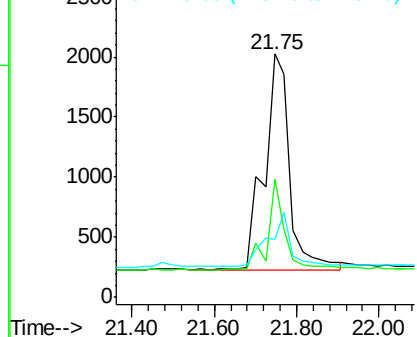
228 100

226 48.5 23.6 35.4#

229 23.8 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: Below Cal

RT: 21.75 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

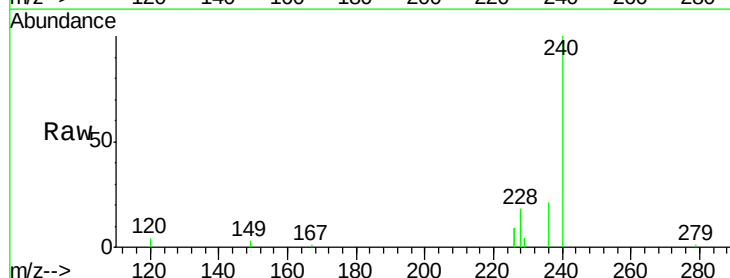
Tgt Ion:228 Resp: 7890

Ion Ratio Lower Upper

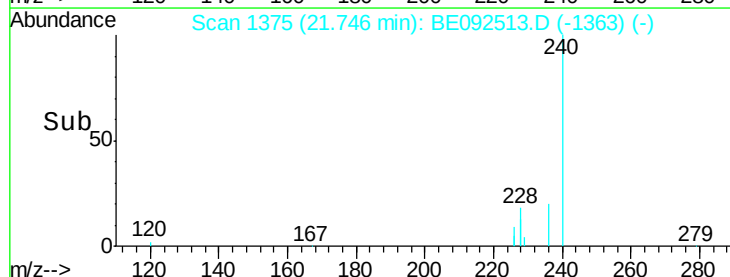
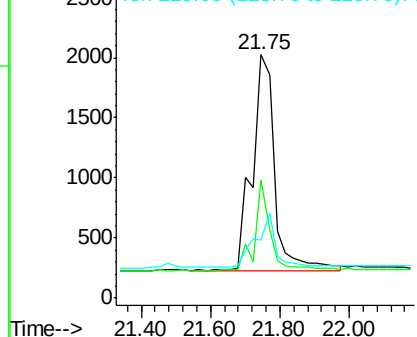
228 100

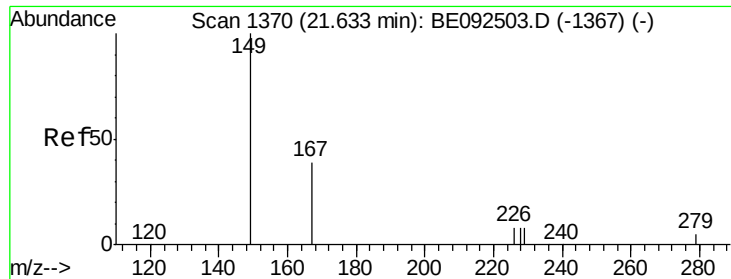
226 48.5 36.3 54.5

229 23.8 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: 0.20 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161031

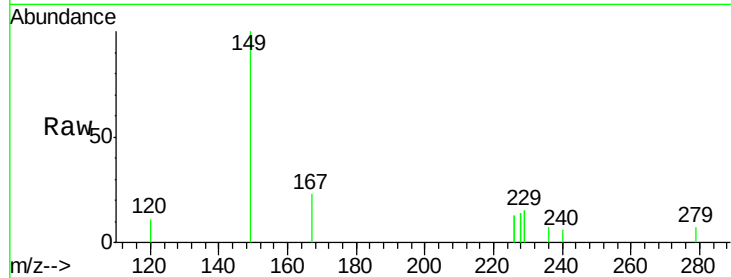
Tgt Ion:149 Resp: 1532

Ion Ratio Lower Upper

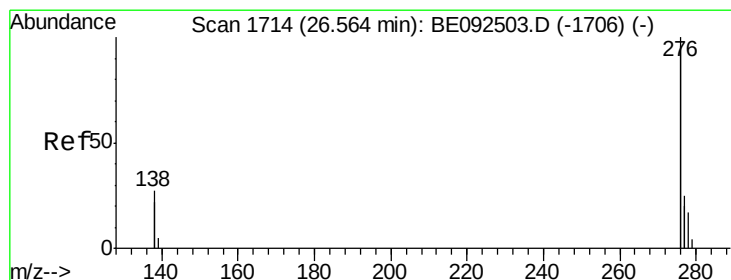
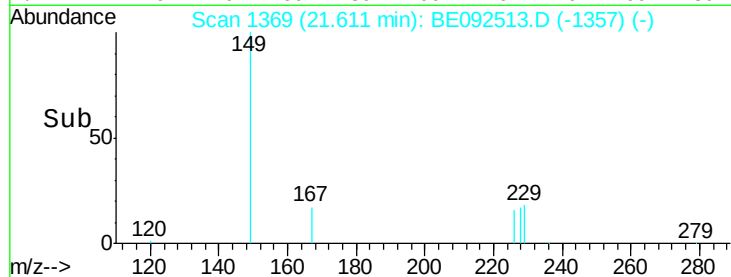
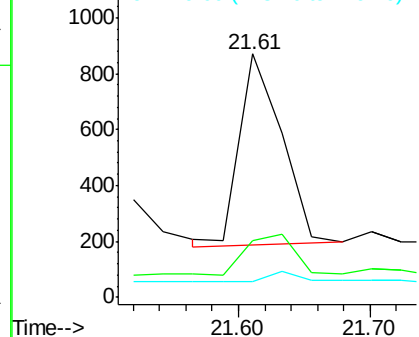
149 100

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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.02 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

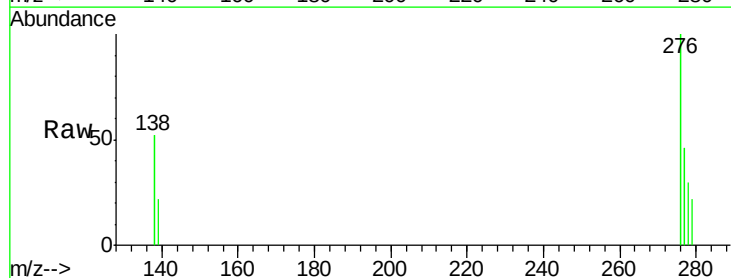
Tgt Ion:276 Resp: 2282

Ion Ratio Lower Upper

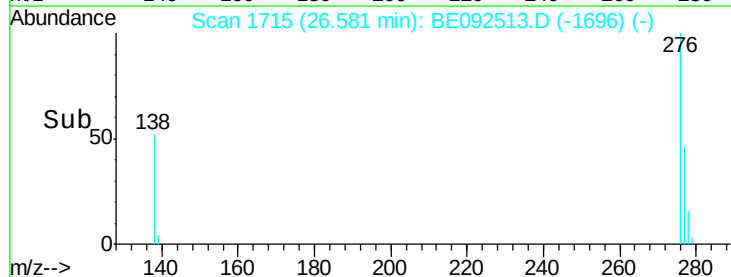
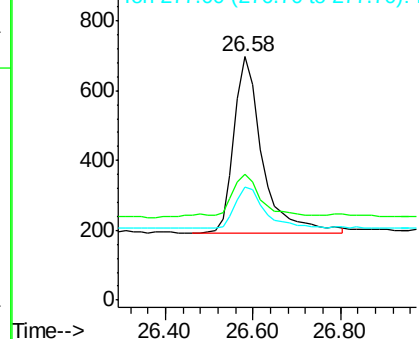
276 100

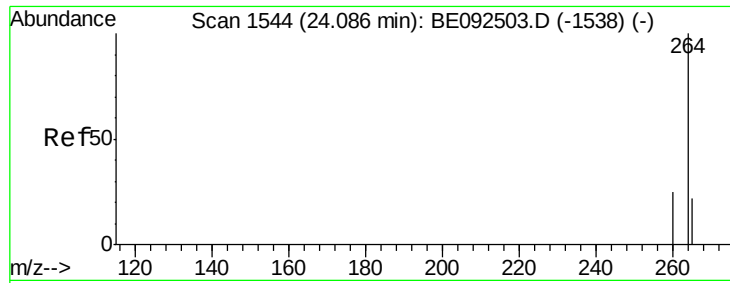
138 22.6 20.3 30.5

277 24.4 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

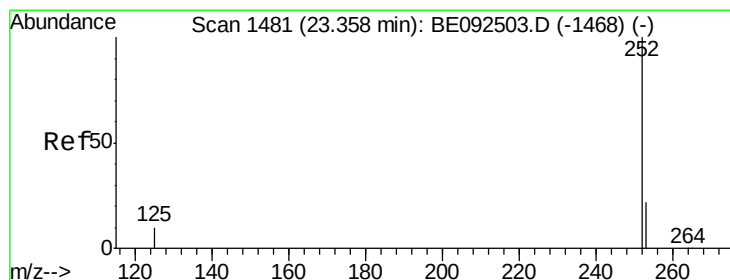
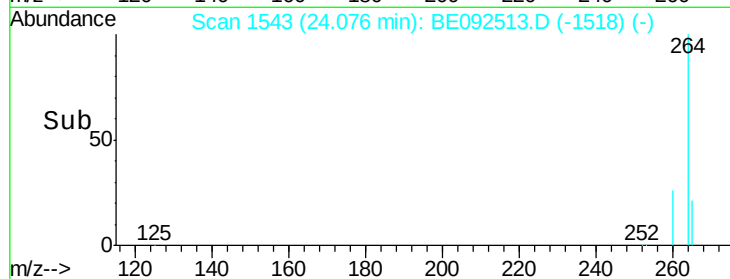
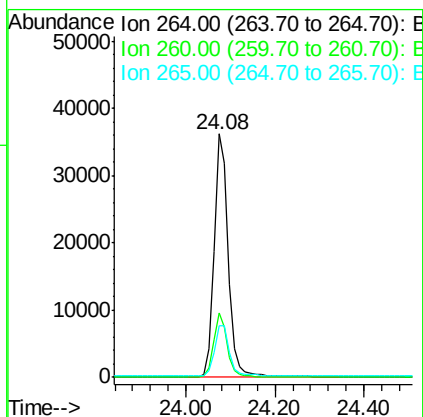
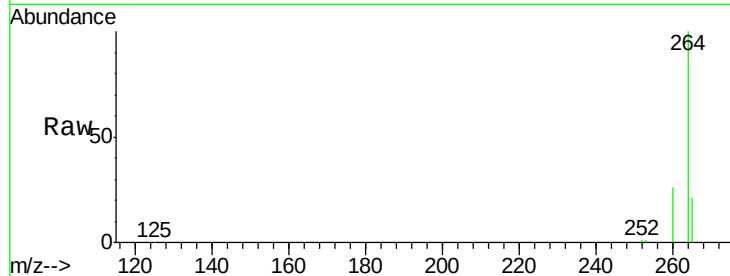




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.08 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

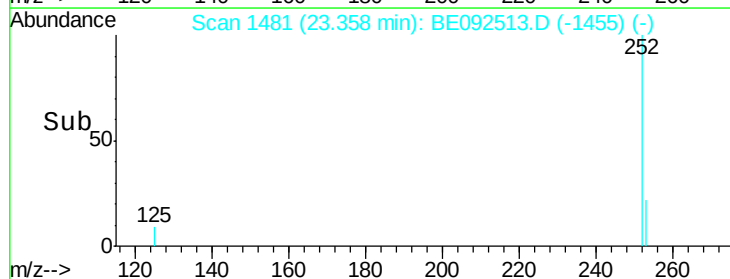
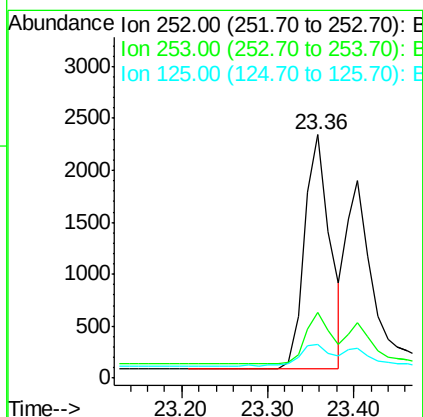
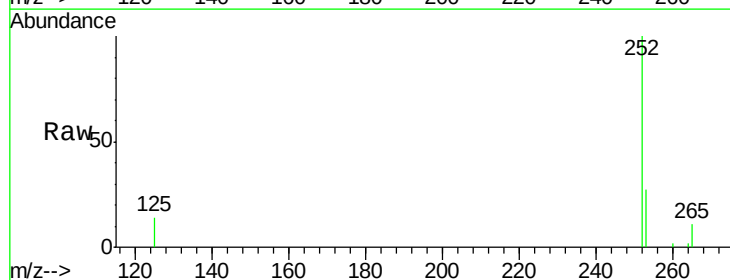
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-161031

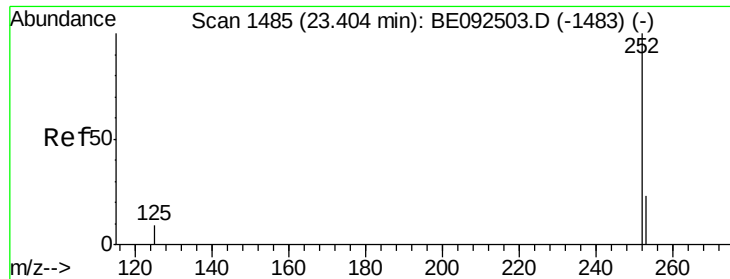
Tgt Ion:264 Resp: 79600
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.1 30.1
 265 21.2 17.9 26.9



#32
Benzo(b)fluoranthene
 Concen: 0.02 ng
 RT: 23.36 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: BE092513.D
 Acq: 8 Nov 2016 17:45

Tgt Ion:252 Resp: 4660
 Ion Ratio Lower Upper
 252 100
 253 27.0 18.7 28.1
 125 14.1 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.36 min Scan# 1481

Delta R.T. -0.05 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161031

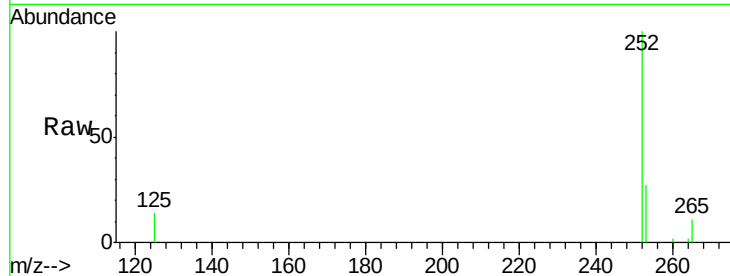
Tgt Ion:252 Resp: 4660

Ion Ratio Lower Upper

252 100

253 27.0 20.3 30.5

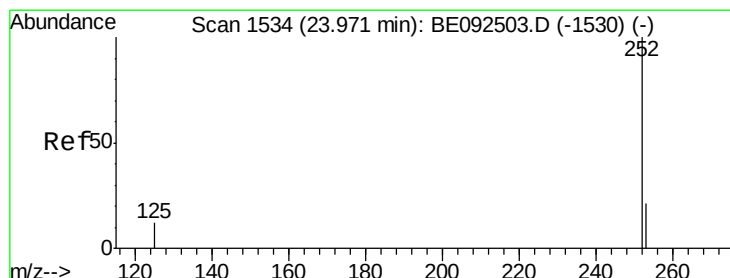
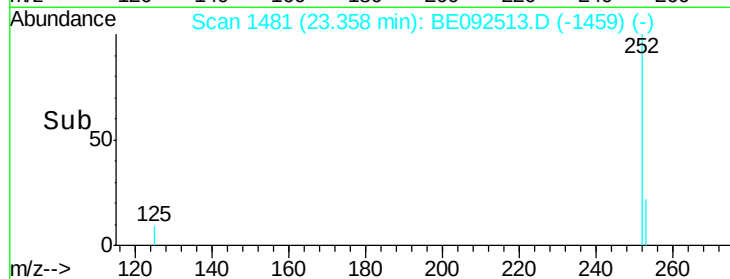
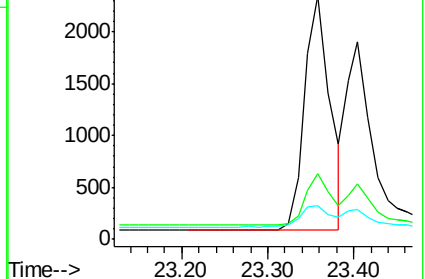
125 14.1 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.97 min Scan# 1534

Delta R.T. 0.00 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

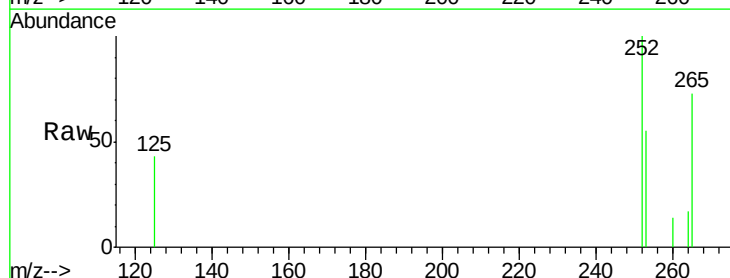
Tgt Ion:252 Resp: 609

Ion Ratio Lower Upper

252 100

253 54.9 19.0 28.6#

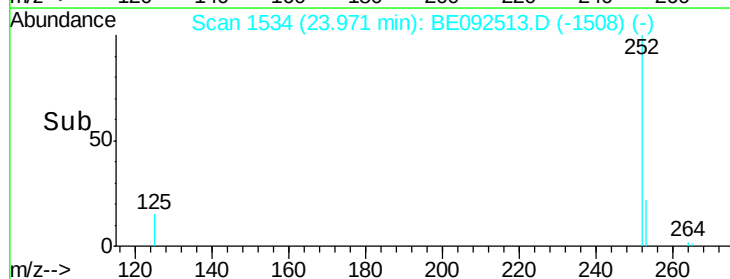
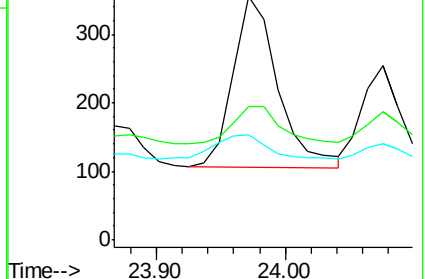
125 43.1 11.8 17.8#

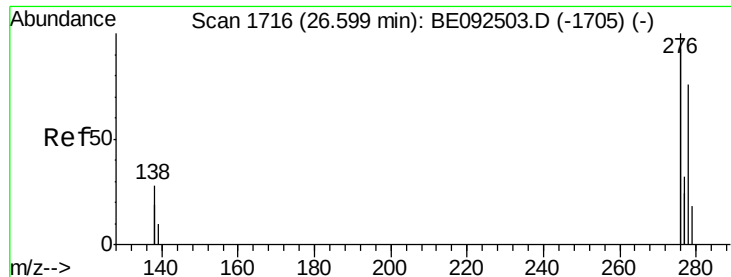


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.60 min Scan# 1716

Delta R.T. -0.00 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

Instrument :

BNA_E

ClientSampleId :

KY038PS027-161031

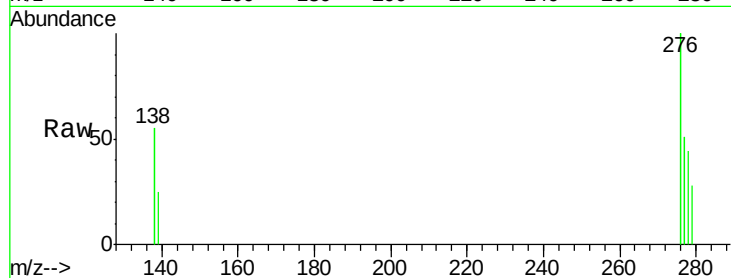
Tgt Ion: 278 Resp: 405

Ion Ratio Lower Upper

278 100

139 57.4 13.8 20.8#

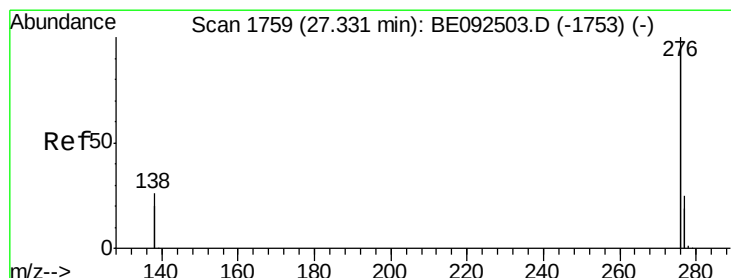
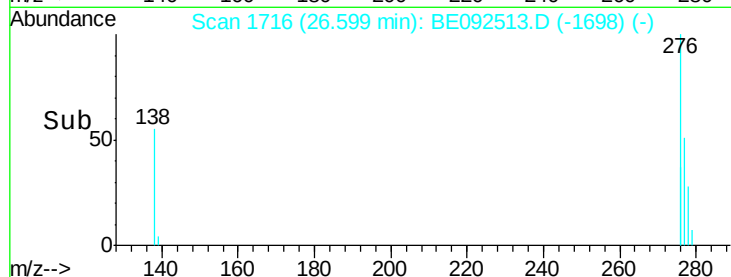
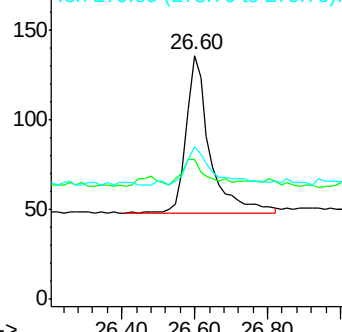
279 62.5 21.4 32.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#36

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.35 min Scan# 1760

Delta R.T. 0.02 min

Lab File: BE092513.D

Acq: 8 Nov 2016 17:45

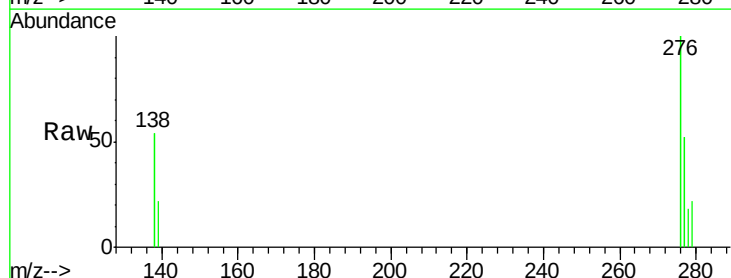
Tgt Ion: 276 Resp: 1787

Ion Ratio Lower Upper

276 100

277 51.7 19.8 29.8#

138 54.1 19.8 29.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

