

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121916\
 Data File : BE092613.D
 Acq On : 19 Dec 2016 18:32
 Operator : UM/SJ
 Sample : H6064-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-161213

Quant Time: Dec 20 00:53:39 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 19 16:16:32 2016
 Response via : Initial Calibration

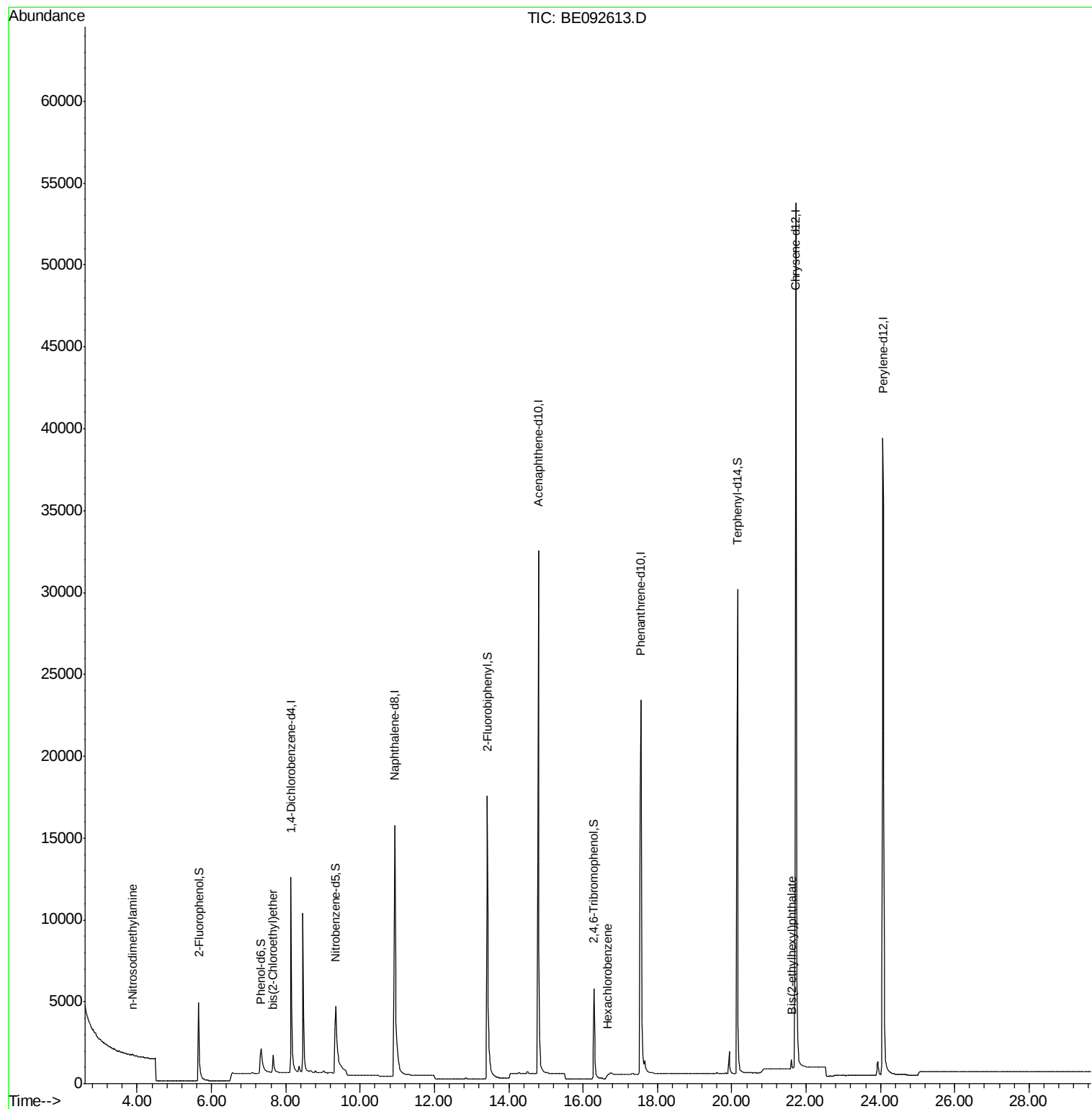
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7934	5.00	ng	0.00
7) Naphthalene-d8	10.93	136	34715	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	23588	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	51823	5.00	ng	0.00
24) Chrysene-d12	21.72	240	70001	5.00	ng	0.00
31) Perylene-d12	24.06	264	64301	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	5785	3.84	ng	-0.03
5) Phenol-d6	7.34	99	4052	1.87	ng	-0.04
8) Nitrobenzene-d5	9.34	82	9463	3.98	ng	-0.02
13) 2,4,6-Tribromophenol	16.29	330	5237	7.69	ng	-0.02
14) 2-Fluorobiphenyl	13.42	172	25611	4.54	ng	-0.01
26) Terphenyl-d14	20.16	244	45116	5.26	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.39	88	44	Below Cal	#	19
3) n-Nitrosodimethylamine	3.87	42	90	0.26 ng	#	2
6) bis(2-Chloroethyl)ether	7.66	93	28	0.12 ng	#	1
19) Hexachlorobenzene	16.66	284	283	0.13 ng	#	12
20) Pentachlorophenol	17.14	266	1	Below Cal	#	70
29) Bis(2-ethylhexyl)phthalate	21.61	149	693	0.17 ng	#	77

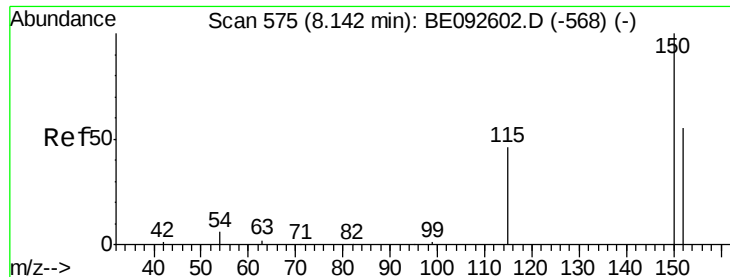
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161213

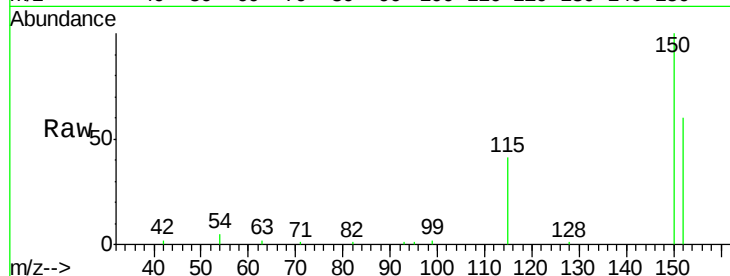
Tgt Ion:152 Resp: 7934

Ion Ratio Lower Upper

152 100

150 167.2 106.0 159.0#

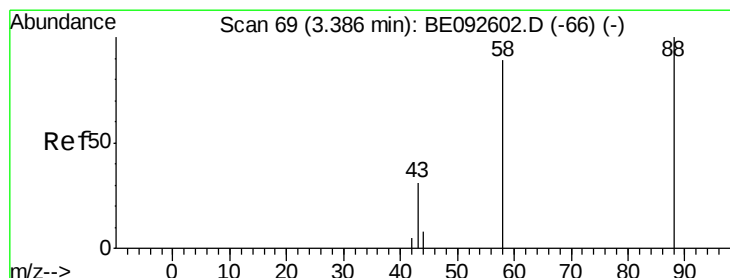
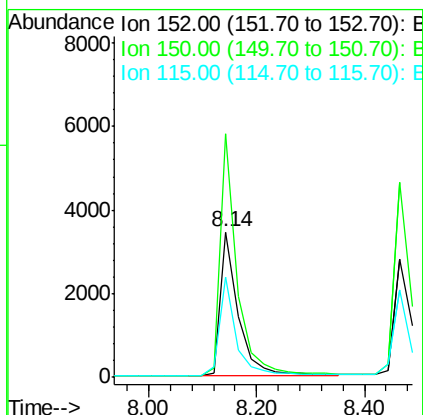
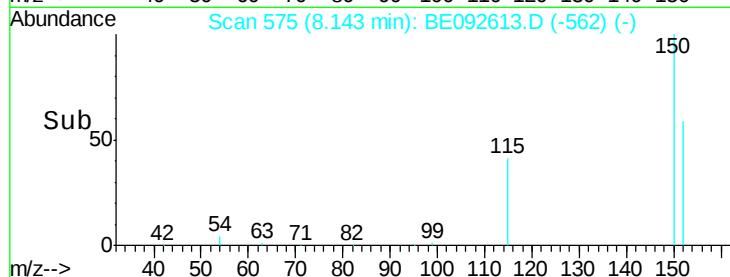
115 69.3 31.2 46.8#



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: BE092613.D

Acq: 19 Dec 2016 18:32

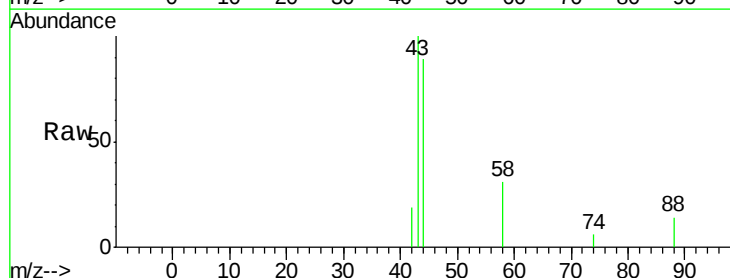
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

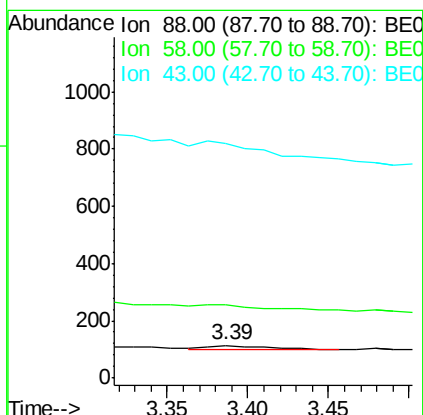
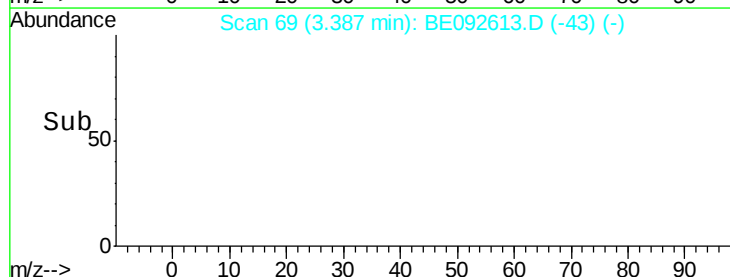
43 0.0 28.0 42.0#

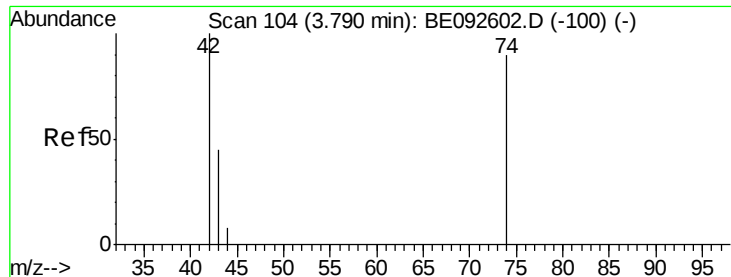


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.26 ng

RT: 3.87 min Scan# 111

Delta R.T. 0.08 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161213

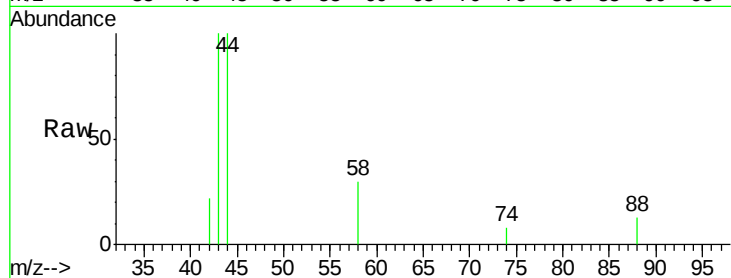
Tgt Ion: 42 Resp: 90

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

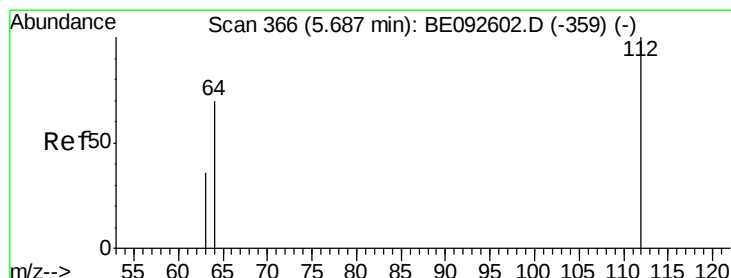
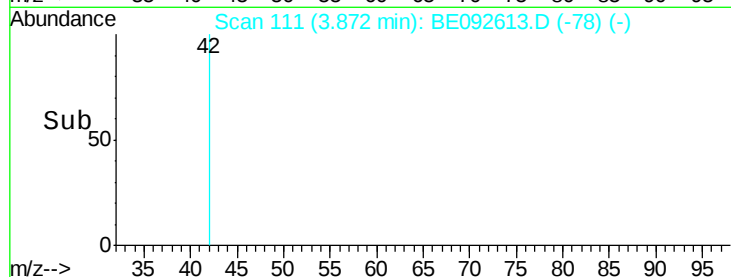
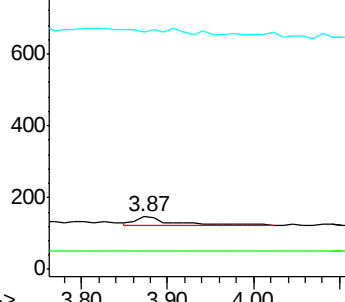
44 0.0 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 3.84 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.03 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

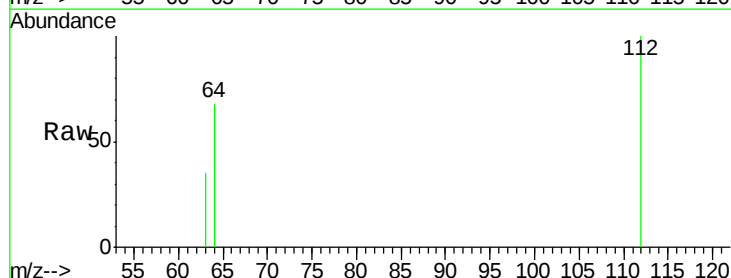
Tgt Ion: 112 Resp: 5785

Ion Ratio Lower Upper

112 100

64 69.0 53.5 80.3

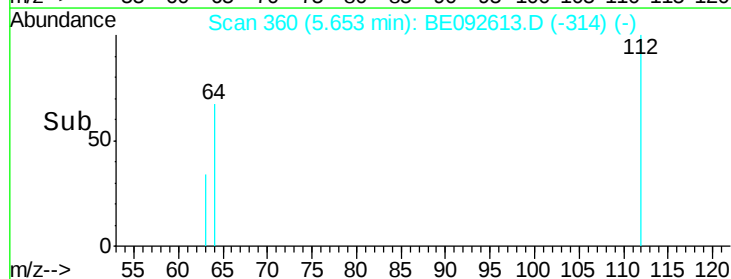
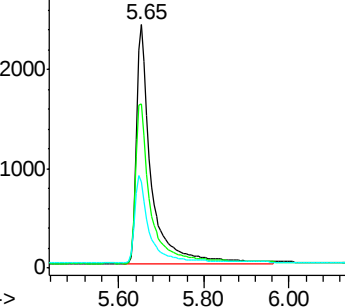
63 36.6 27.9 41.9

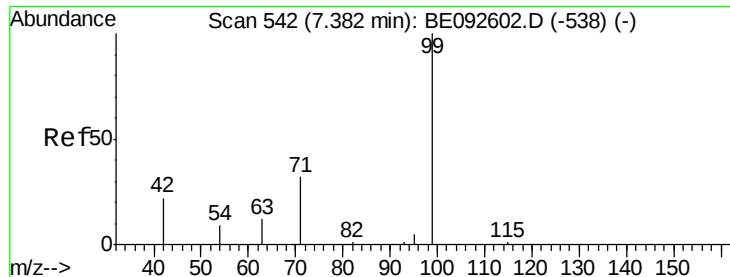


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.87 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.04 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161213

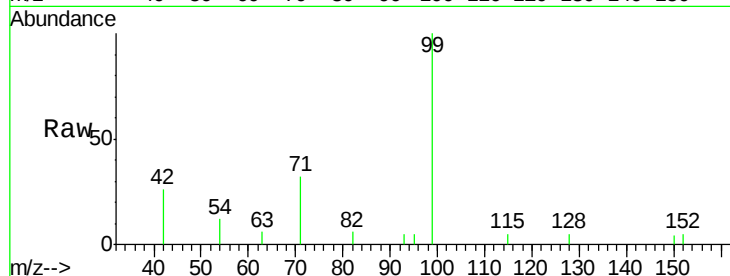
Tgt Ion: 99 Resp: 4052

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

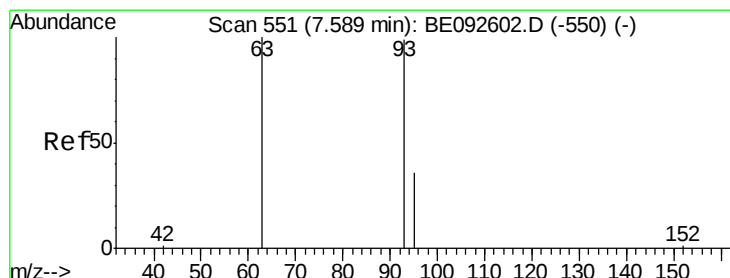
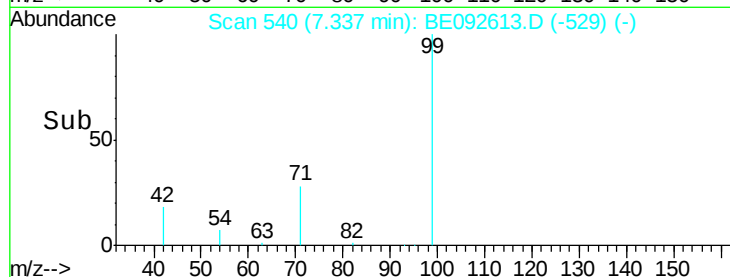
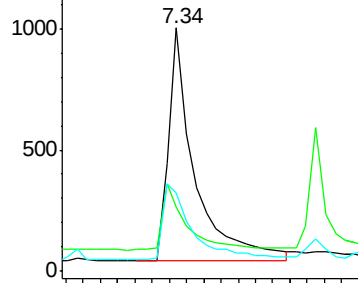
71 0.0 30.6 45.8#



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: 0.12 ng

RT: 7.66 min Scan# 554

Delta R.T. 0.07 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

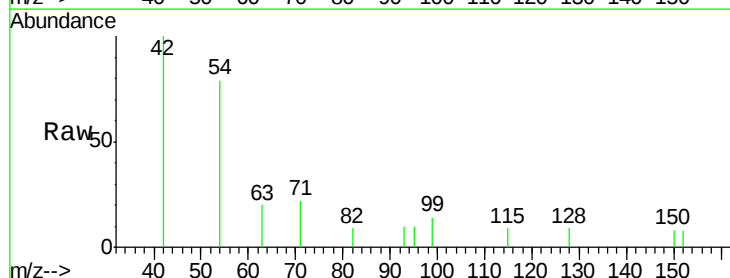
Tgt Ion: 93 Resp: 28

Ion Ratio Lower Upper

93 100

63 546.4 71.6 107.4#

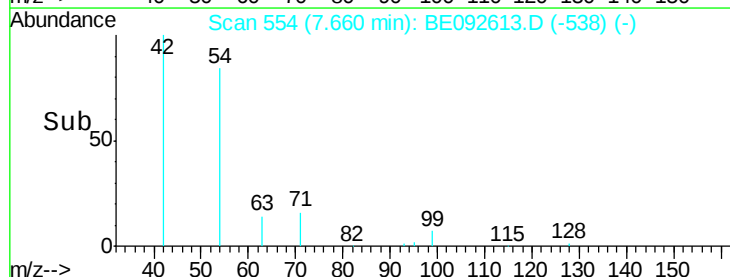
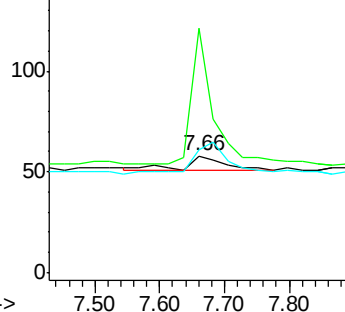
95 0.0 24.0 36.0#

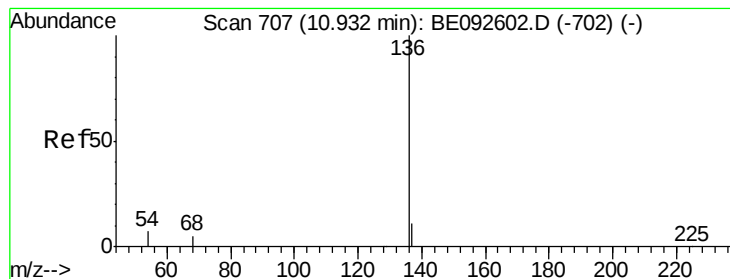


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092613.D

Acq: 19 Dec 2016 18:32

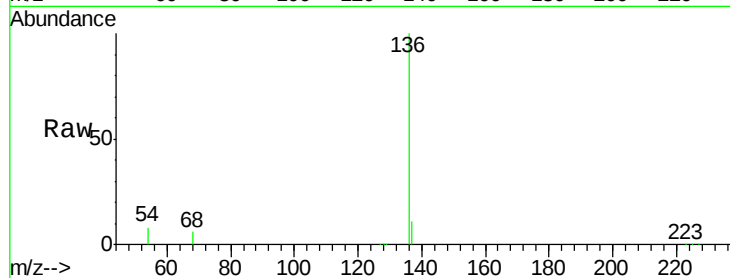
Instrument :

BNA_E

ClientSampleId :

KY038PS033-161213

Tgt Ion:	136	Resp:	34715
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	8.3	9.6	14.4#
68	5.9	6.7	10.1#

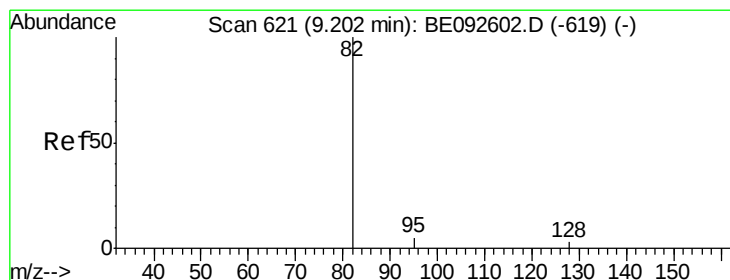
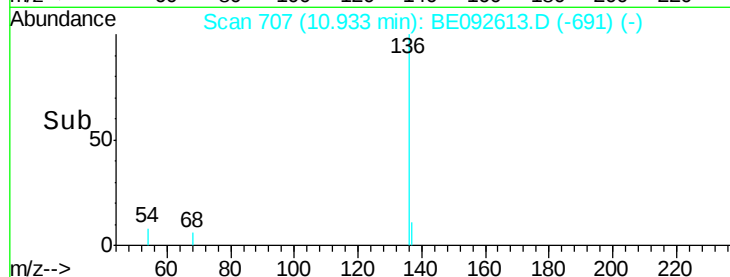
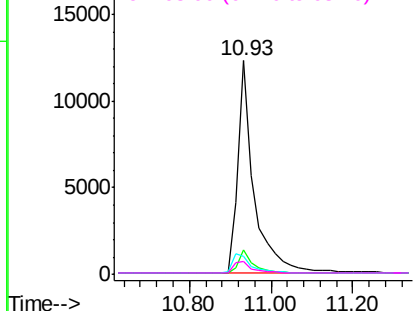


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.98 ng

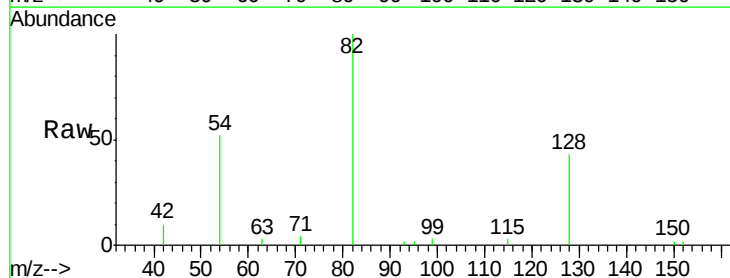
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

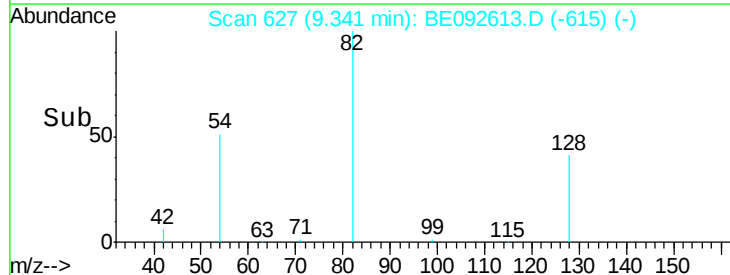
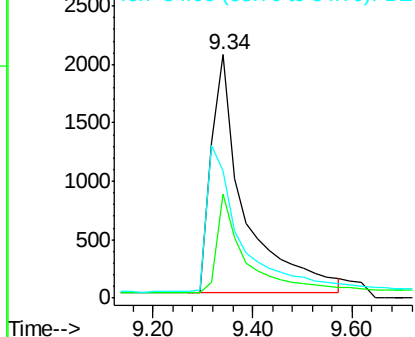
Tgt Ion:	82	Resp:	9463
Ion	Ratio	Lower	Upper
82	100		
128	42.8	39.0	58.4
54	52.1	44.8	67.2

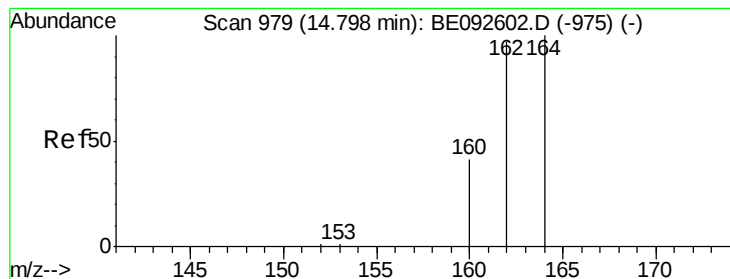


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

Instrument :

BNA_E

ClientSampleId :

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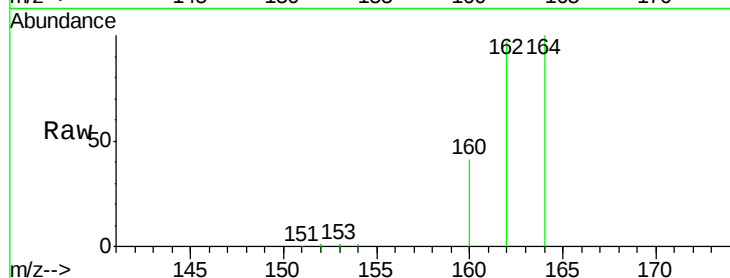
Tgt Ion:164 Resp: 23588

Ion Ratio Lower Upper

164 100

162 97.0 71.4 107.0

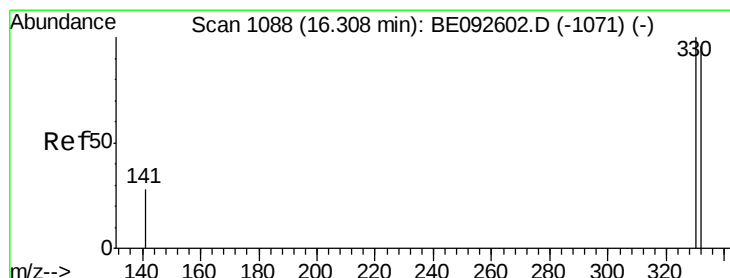
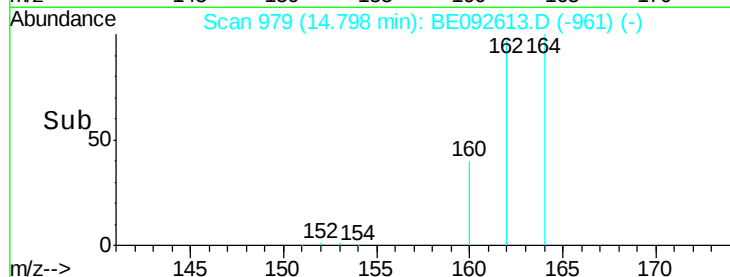
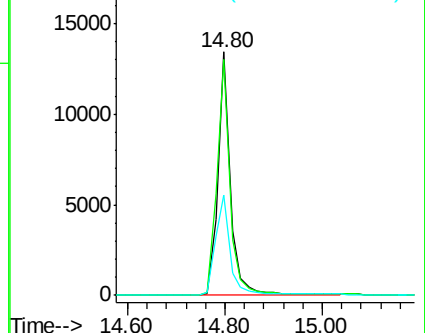
160 41.3 27.4 41.2#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 7.69 ng

RT: 16.29 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

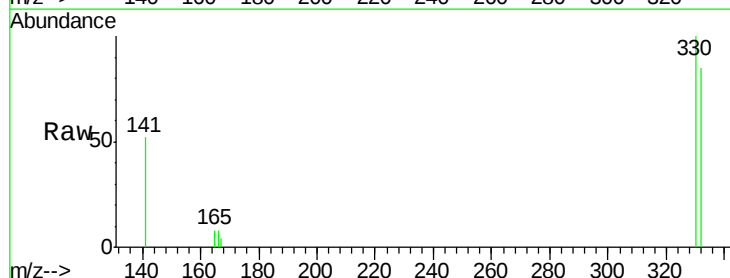
Tgt Ion:330 Resp: 5237

Ion Ratio Lower Upper

330 100

332 96.8 75.4 113.0

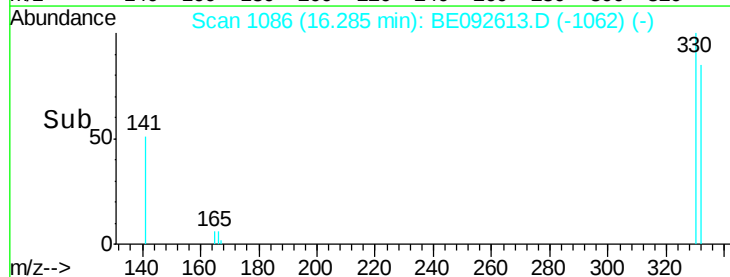
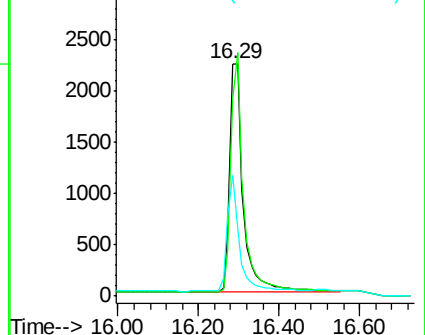
141 44.3 31.0 46.6

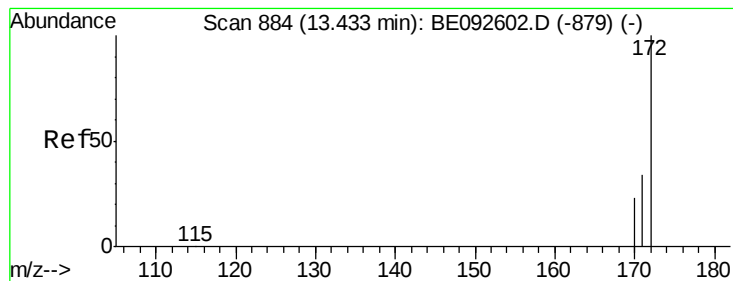


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 4.54 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

Instrument :

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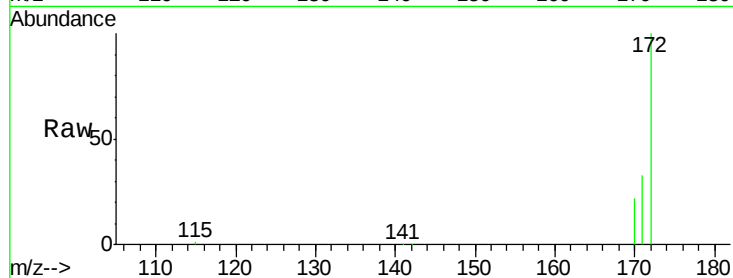
Tgt Ion:172 Resp: 25611

Ion Ratio Lower Upper

172 100

171 33.0 30.1 45.1

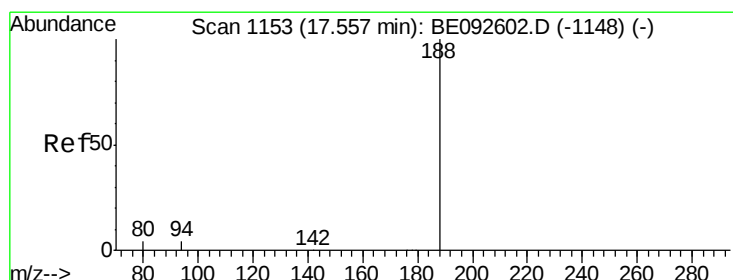
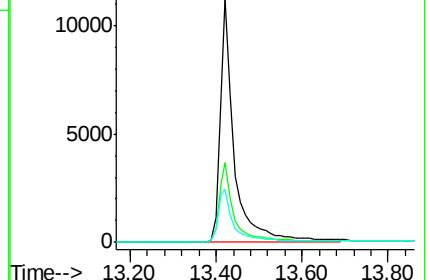
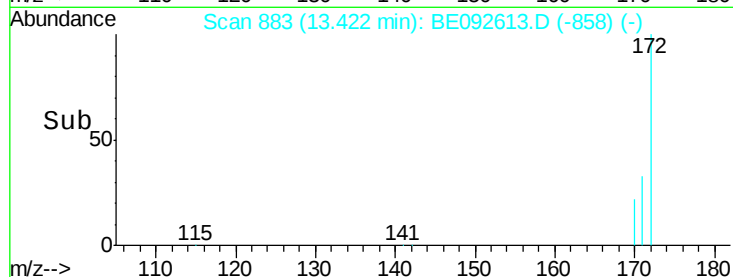
170 21.9 21.8 32.6



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: BE092613.D

Acq: 19 Dec 2016 18:32

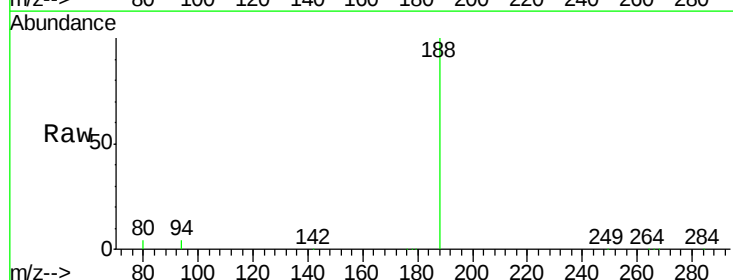
Tgt Ion:188 Resp: 51823

Ion Ratio Lower Upper

188 100

94 4.5 3.2 4.8

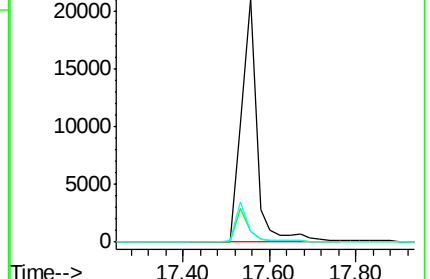
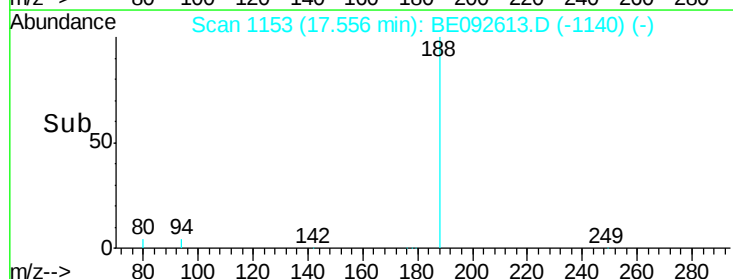
80 4.2 2.6 3.8#

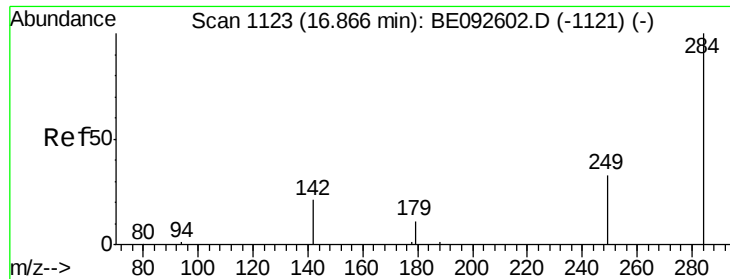


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#19

Hexachlorobenzene

Concen: 0.13 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161213

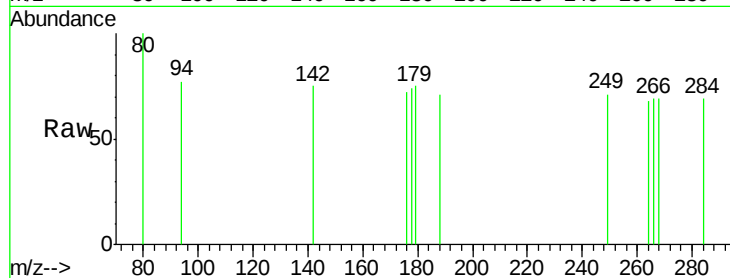
Tgt Ion: 284 Resp: 283

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

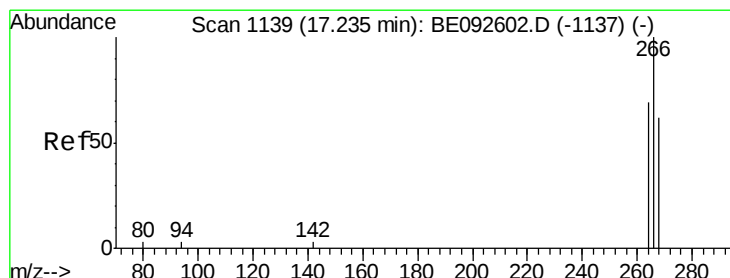
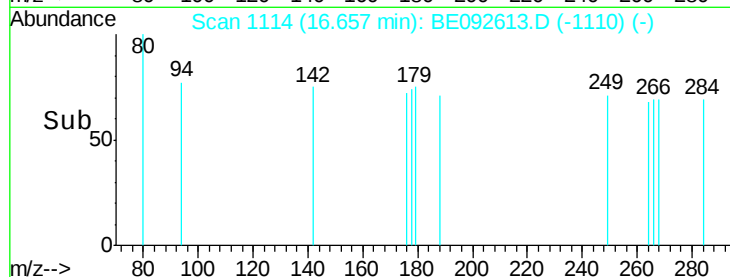
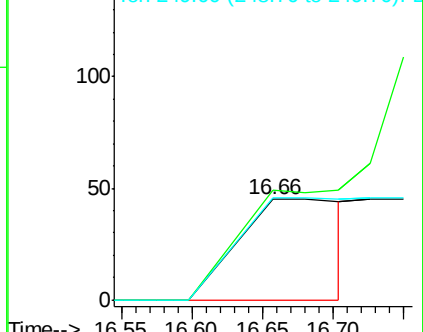
249 102.1 27.9 41.9#



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: Below Cal

RT: 17.14 min Scan# 1135

Delta R.T. -0.09 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

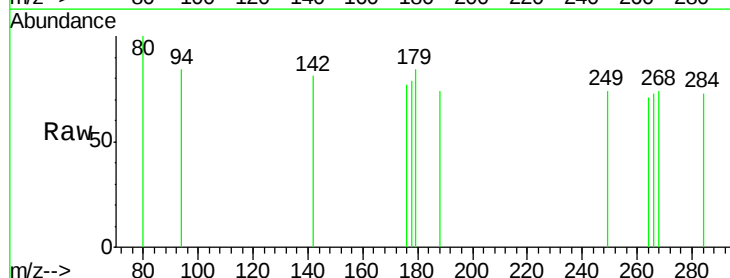
Tgt Ion: 266 Resp: 1

Ion Ratio Lower Upper

266 100

268 102.2 62.5 93.7#

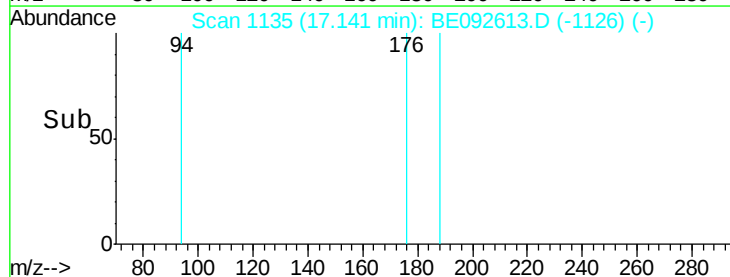
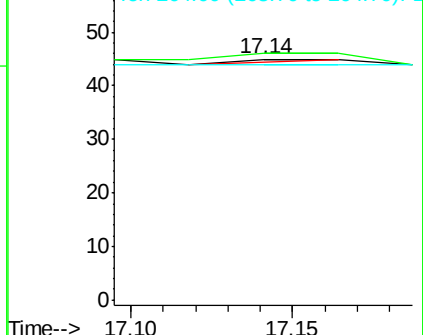
264 97.8 57.2 85.8#

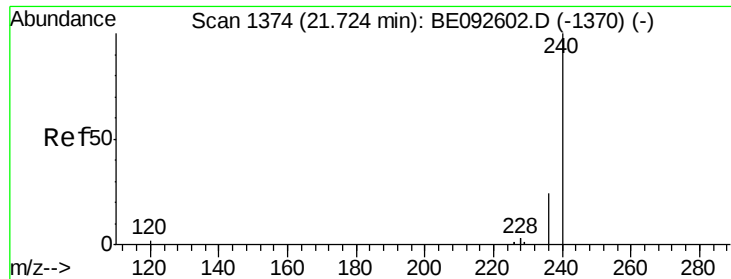


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

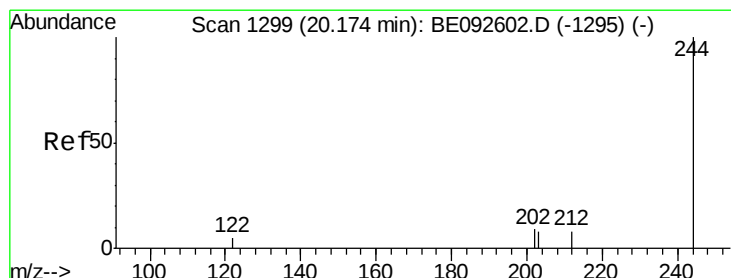
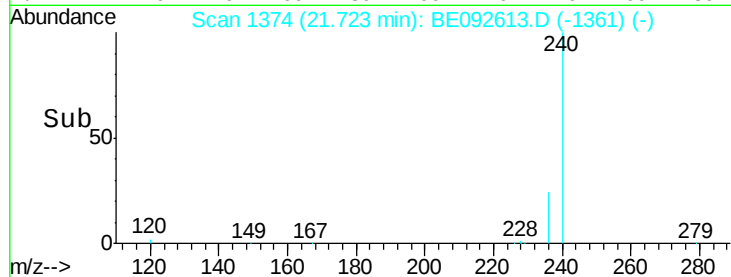
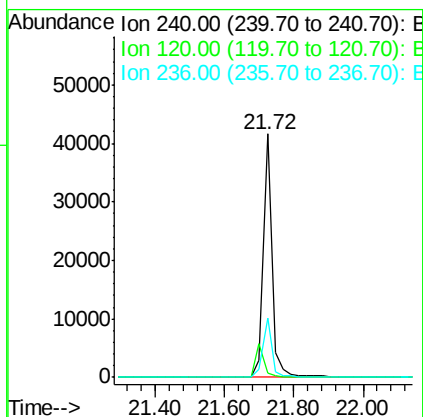
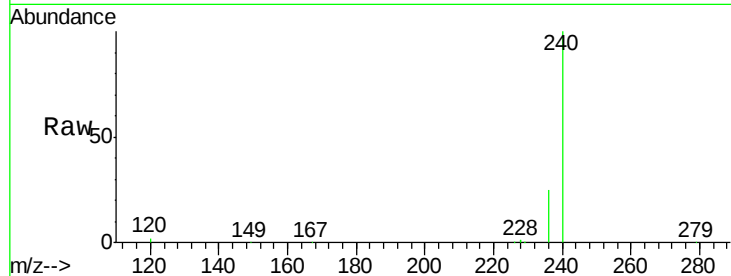




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092613.D
Acq: 19 Dec 2016 18:32

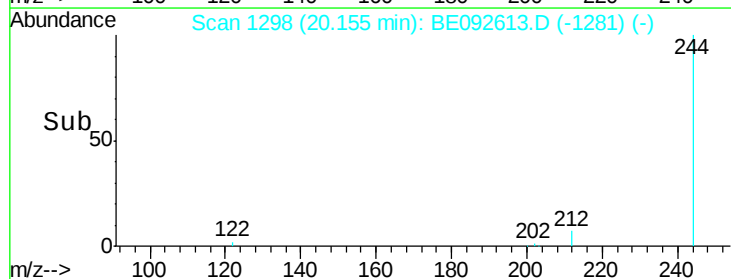
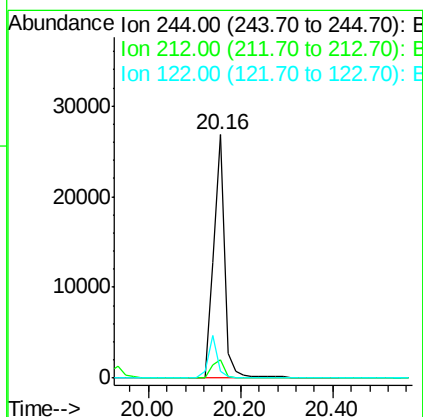
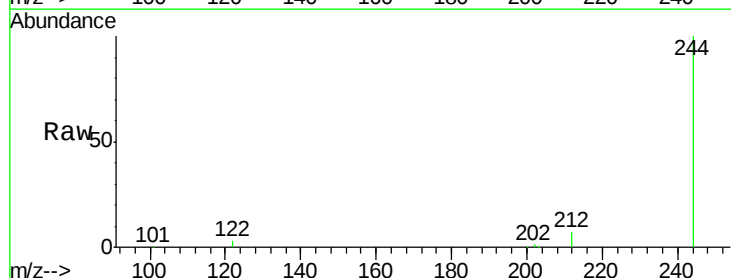
Instrument :
BNA_E
ClientSampleId :
KY038PS033-161213

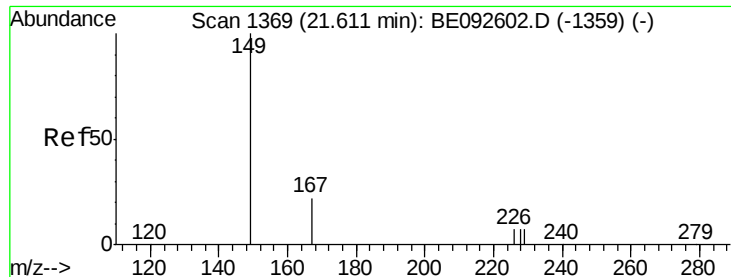
Tgt Ion:240 Resp: 70001
Ion Ratio Lower Upper
240 100
120 1.9 2.6 4.0#
236 24.6 24.6 37.0#



#26
Terphenyl-d14
Concen: 5.26 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092613.D
Acq: 19 Dec 2016 18:32

Tgt Ion:244 Resp: 45116
Ion Ratio Lower Upper
244 100
212 7.3 6.7 10.1
122 2.6 3.6 5.4#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

Instrument :

BNA_E

ClientSampleId :

KY038PS033-161213

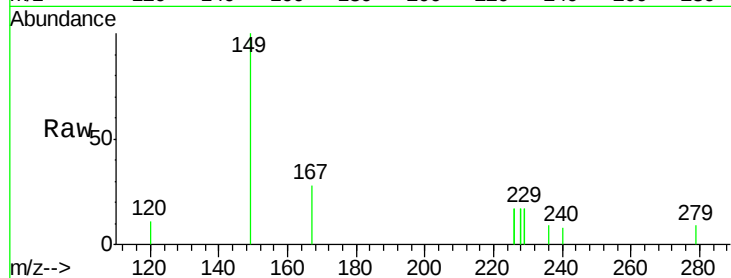
Tgt Ion:149 Resp: 693

Ion Ratio Lower Upper

149 100

167 20.9 16.0 24.0

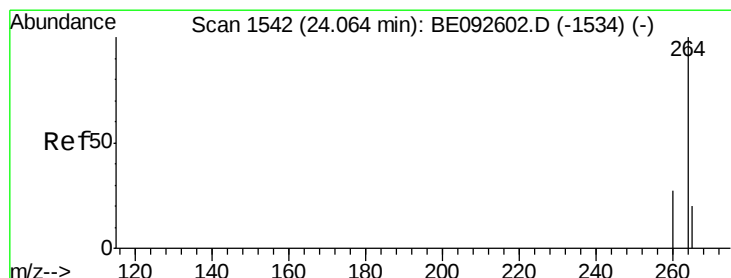
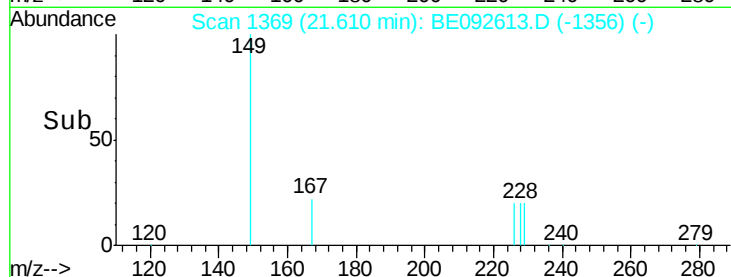
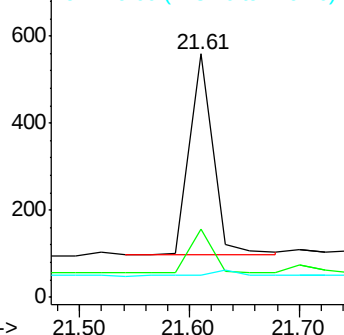
279 0.0 16.0 24.0#



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: 24.06 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BE092613.D

Acq: 19 Dec 2016 18:32

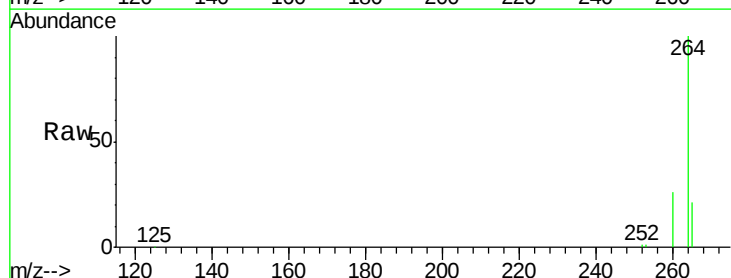
Tgt Ion:264 Resp: 64301

Ion Ratio Lower Upper

264 100

260 26.1 20.1 30.1

265 21.2 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

