

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090116\
 Data File : BE092334.D
 Acq On : 1 Sep 2016 18:22
 Operator : UM/SJ
 Sample : H4642-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160829

Quant Time: Sep 02 03:39:51 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 03:36:16 2016
 Response via : Initial Calibration

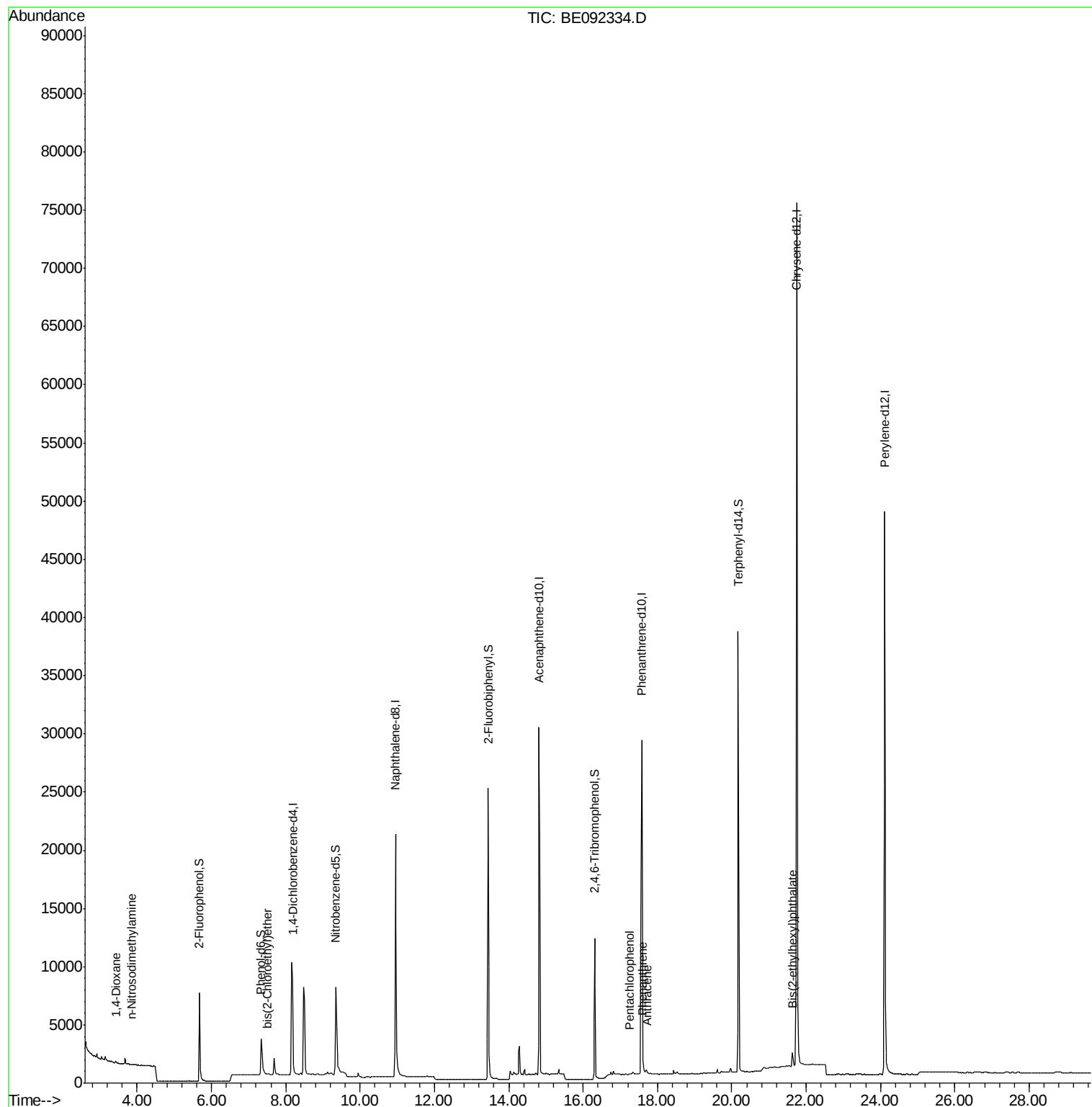
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	7921	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	36438	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	22292	5.00	ng	-0.02
18) Phenanthrene-d10	17.58	188	53543	5.00	ng	0.00
24) Chrysene-d12	21.75	240	86192	5.00	ng	0.00
31) Perylene-d12	24.11	264	75832	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	6687	3.17	ng	-0.01
5) Phenol-d6	7.34	99	5004	1.72	ng	-0.02
8) Nitrobenzene-d5	9.34	82	10197	3.83	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	8035	9.21	ng	-0.01
14) 2-Fluorobiphenyl	13.44	172	27491	4.04	ng	0.00
26) Terphenyl-d14	20.17	244	50390	4.24	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.42	88	117	0.04	ng	# 39
3) n-Nitrosodimethylamine	3.86	42	44	0.04	ng	# 2
6) bis(2-Chloroethyl)ether	7.50	93	124	0.19	ng	# 5
20) Pentachlorophenol	17.26	266	47	0.05	ng	# 76
21) Phenanthrene	17.60	178	328	0.03	ng	# 74
22) Anthracene	17.72	178	597	0.05	ng	# 72
29) Bis(2-ethylhexyl)phthalate	21.63	149	1976	0.21	ng	# 100

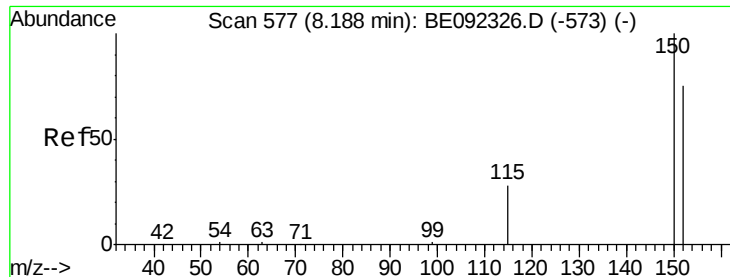
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.19 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

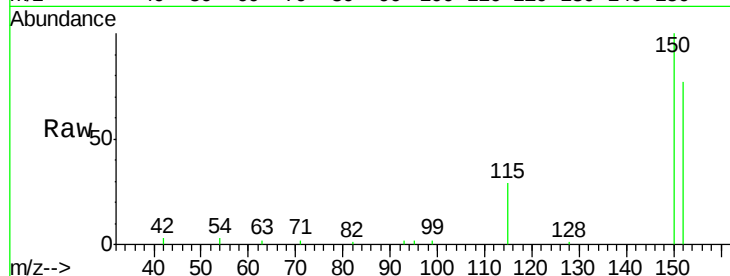
Tgt Ion: 152 Resp: 7921

Ion Ratio Lower Upper

152 100

150 129.7 106.0 159.0

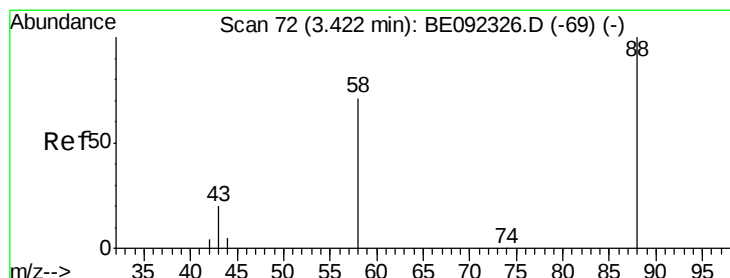
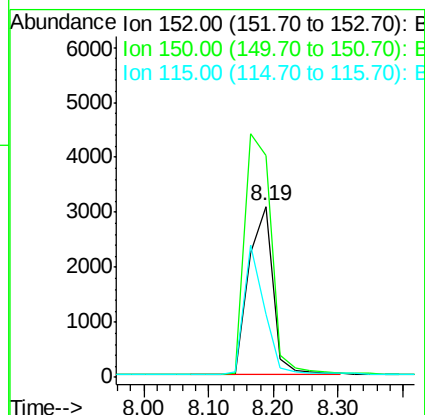
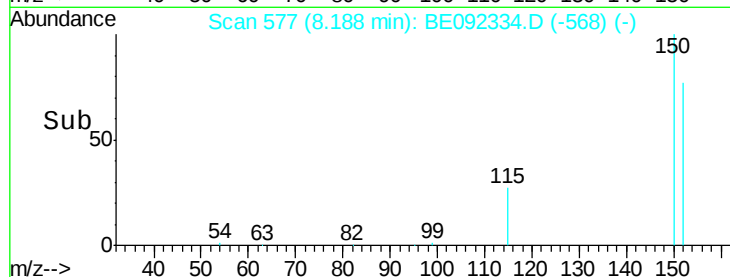
115 37.0 31.2 46.8



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: 0.04 ng

RT: 3.42 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

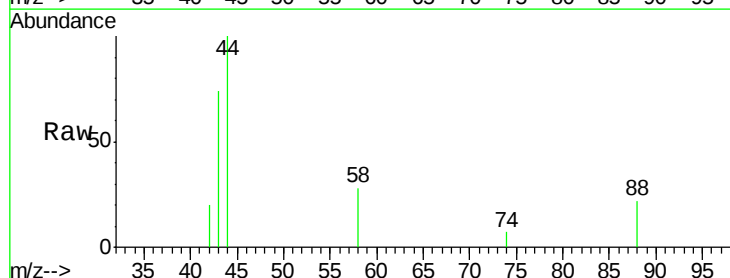
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

58 73.5 63.6 95.4

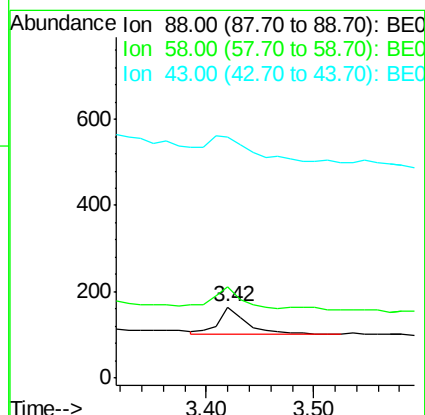
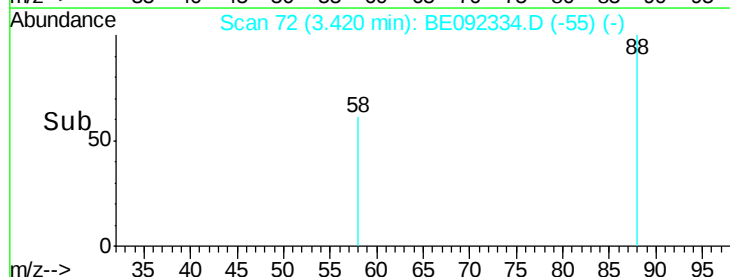
43 141.9 28.0 42.0#

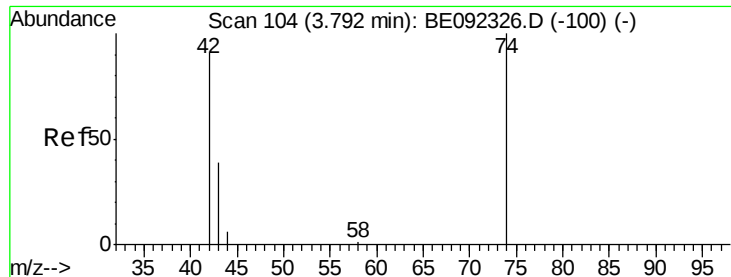


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.86 min Scan# 110

Delta R.T. 0.07 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

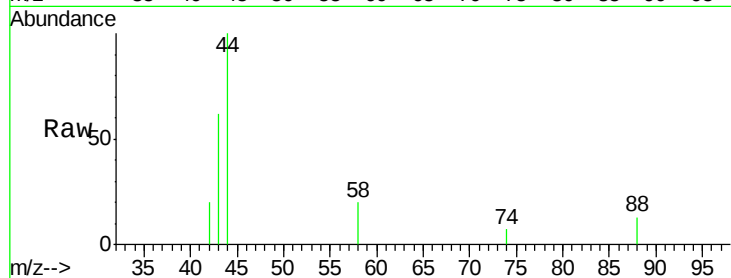
Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

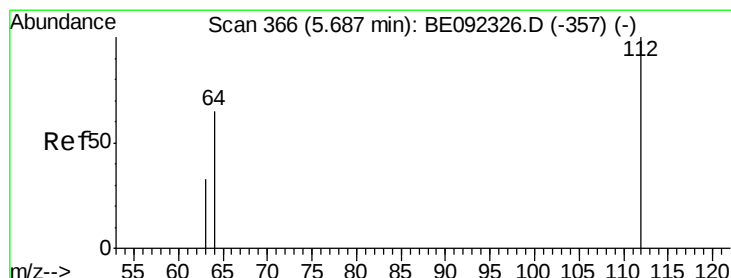
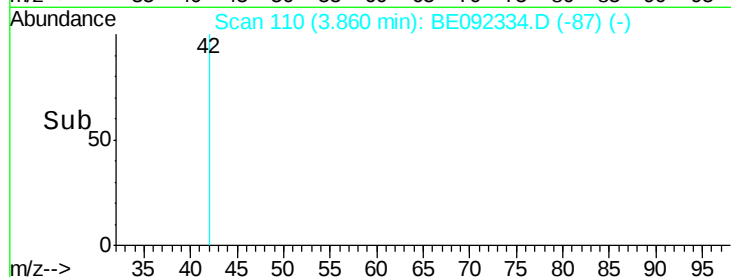
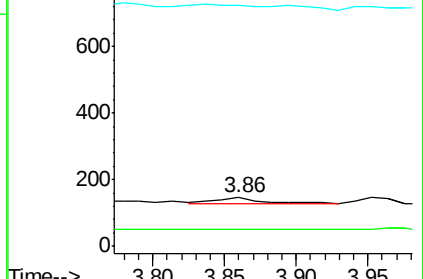
Tgt Ion:	42	Resp:	44
Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.0	129.0#
44	0.0	5.1	7.7#



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: 3.17 ng

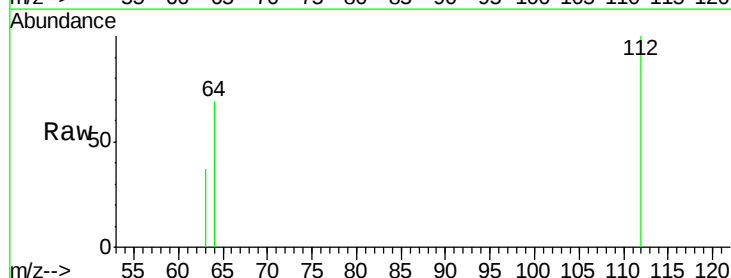
RT: 5.68 min Scan# 364

Delta R.T. -0.01 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

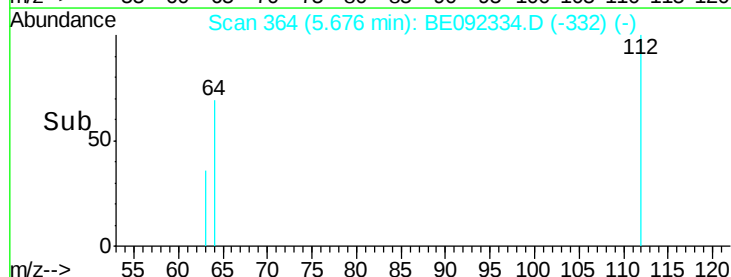
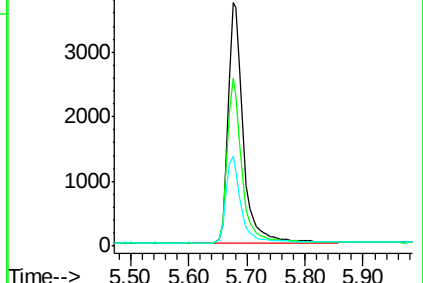
Tgt Ion:	112	Resp:	6687
Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.5	80.3
63	35.3	27.9	41.9

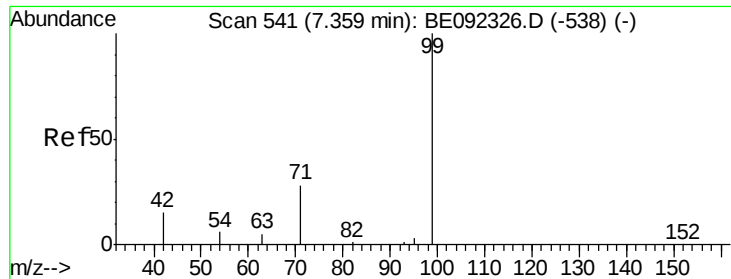


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.72 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

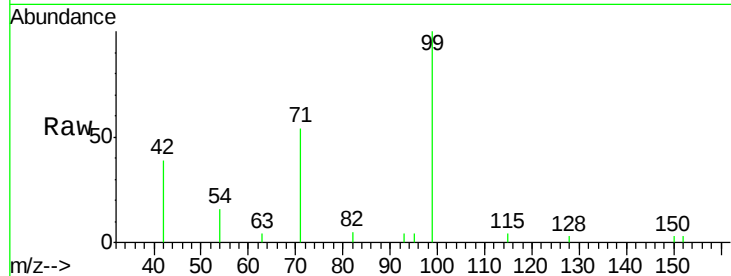
Tgt Ion: 99 Resp: 5004

Ion Ratio Lower Upper

99 100

42 23.7 0.0 0.0#

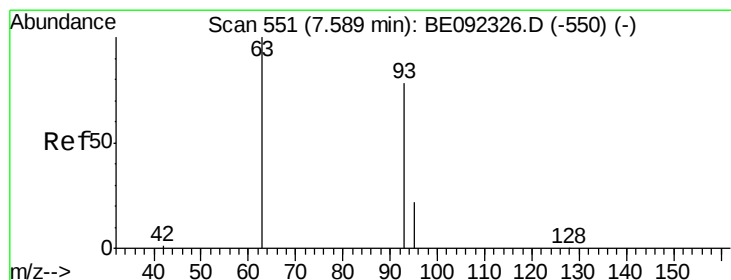
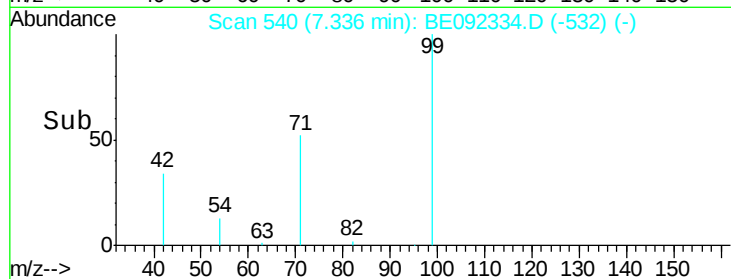
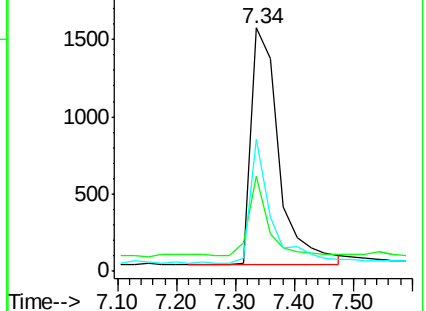
71 40.0 30.6 45.8



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: 0.19 ng

RT: 7.50 min Scan# 547

Delta R.T. -0.09 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

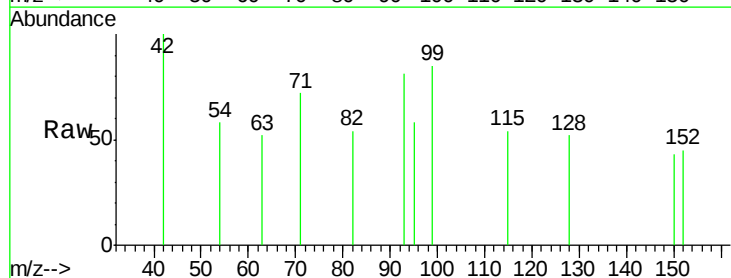
Tgt Ion: 93 Resp: 124

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

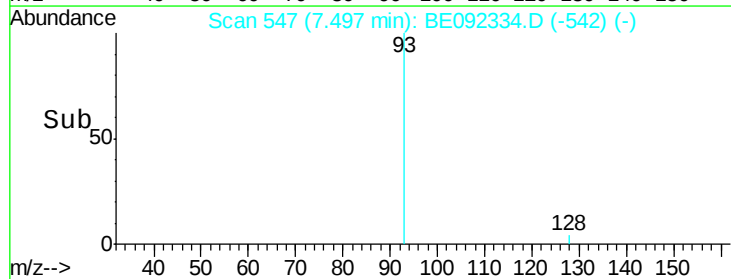
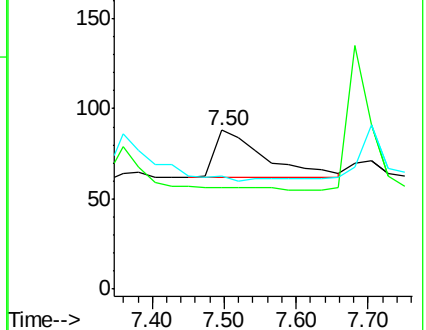
95 0.0 0.0 0.0

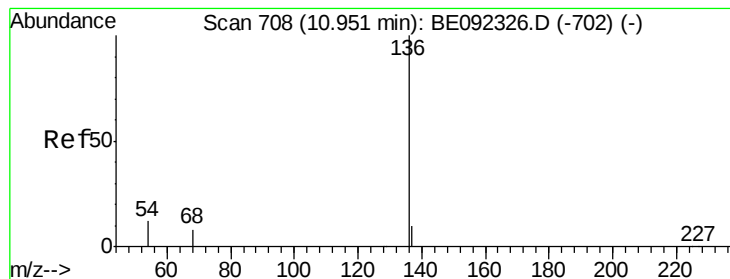


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

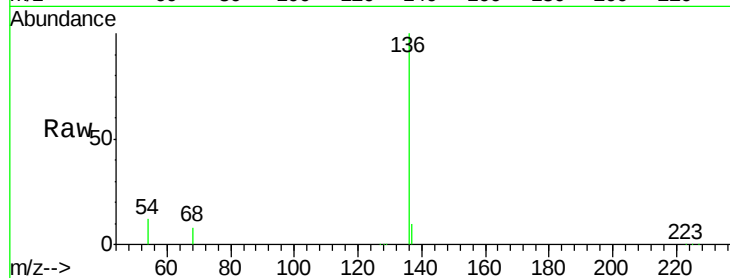
Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

Tgt Ion:	136	Resp:	36438
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	11.7	9.6	14.4
68	8.2	6.7	10.1

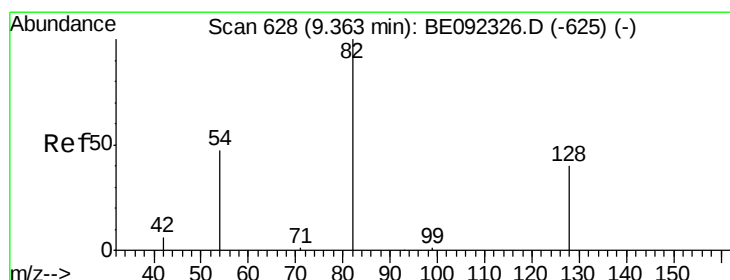
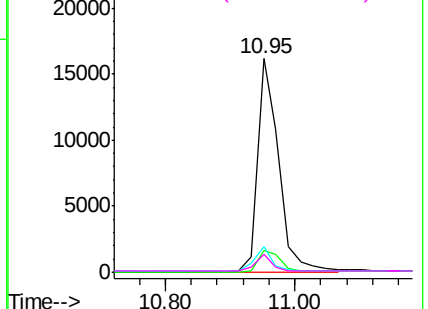
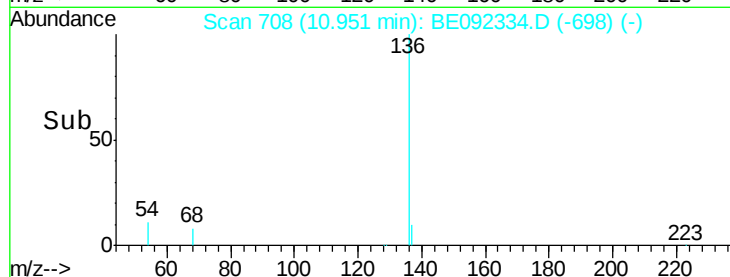


Abundance Ion 136.00 (135.70 to 136.70): BE092334.D (-698) (-)

Ion 137.00 (136.70 to 137.70): BE092334.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BE092334.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092334.D (-698) (-)



#8

Nitrobenzene-d5

Concen: 3.83 ng

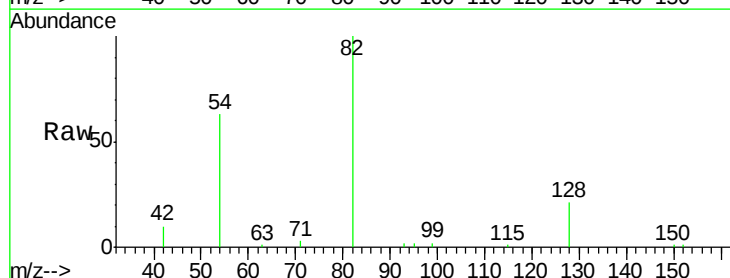
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

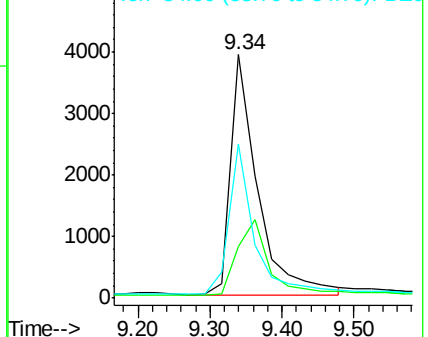
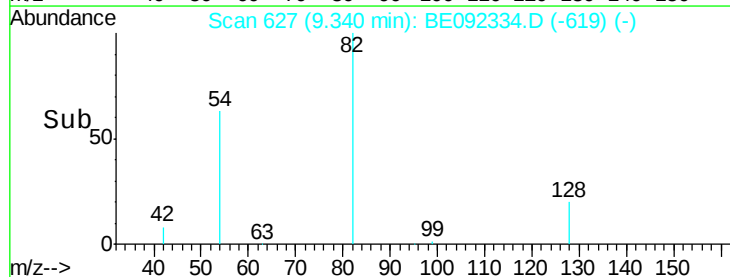
Tgt Ion:	82	Resp:	10197
Ion	Ratio	Lower	Upper
82	100		
128	21.1	39.0	58.4#
54	63.3	44.8	67.2

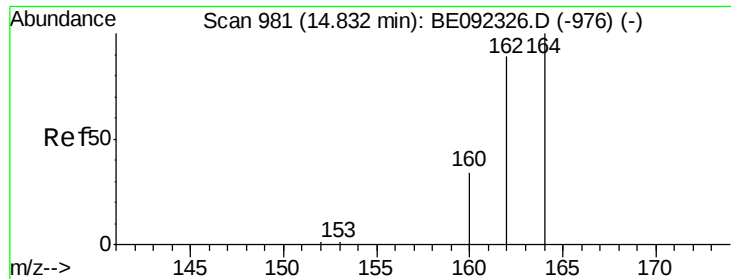


Abundance Ion 82.00 (81.70 to 82.70): BE092334.D (-619) (-)

Ion 128.00 (127.70 to 128.70): BE092334.D (-619) (-)

Ion 54.00 (53.70 to 54.70): BE092334.D (-619) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. -0.02 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

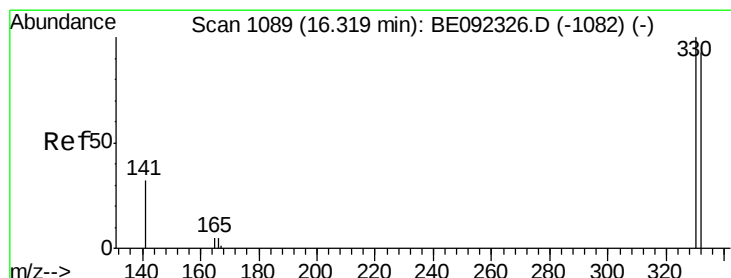
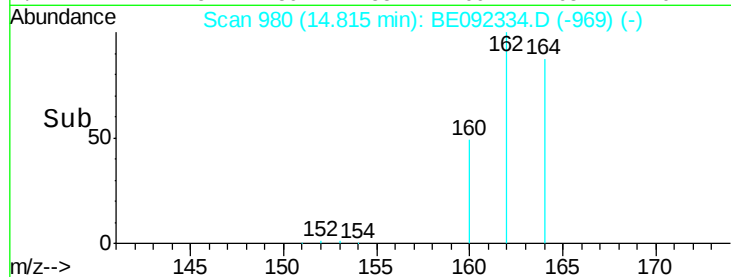
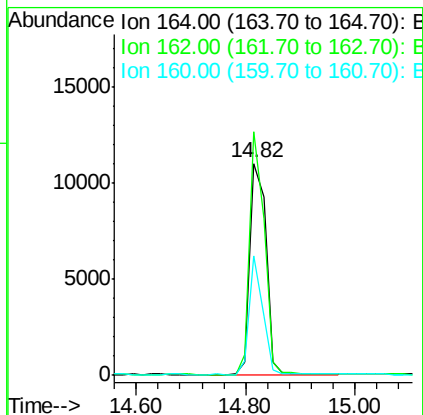
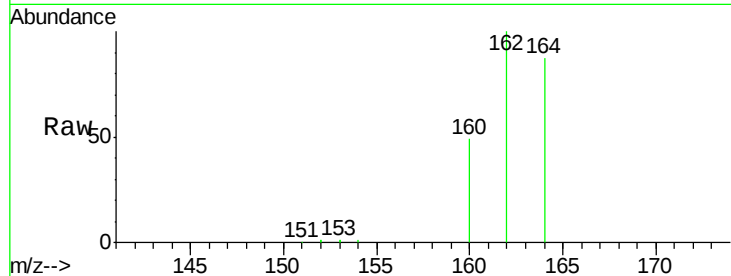
Tgt Ion:164 Resp: 22292

Ion Ratio Lower Upper

164 100

162 114.8 71.4 107.0#

160 56.4 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 9.21 ng

RT: 16.31 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

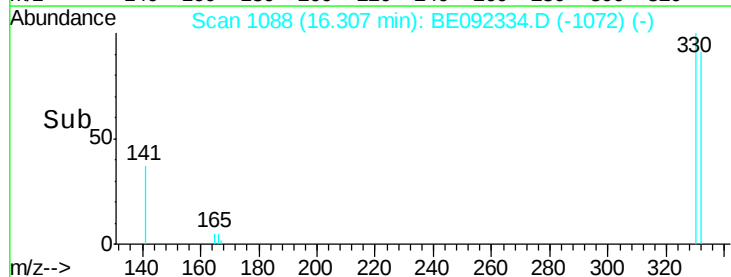
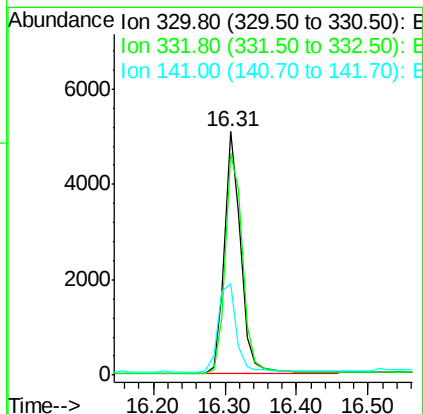
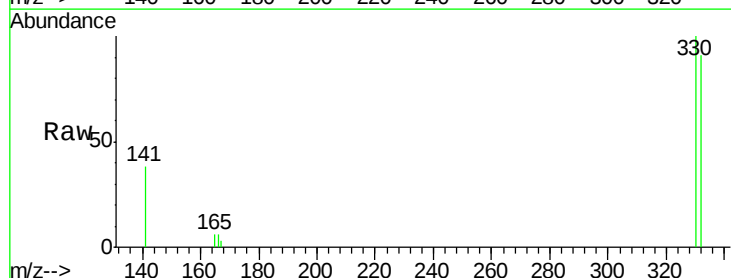
Tgt Ion:330 Resp: 8035

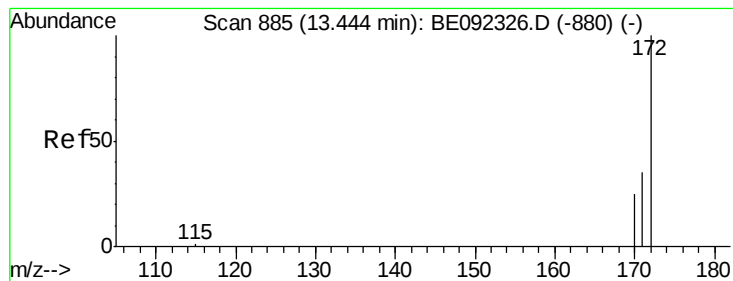
Ion Ratio Lower Upper

330 100

332 97.5 75.4 113.0

141 41.4 31.0 46.6

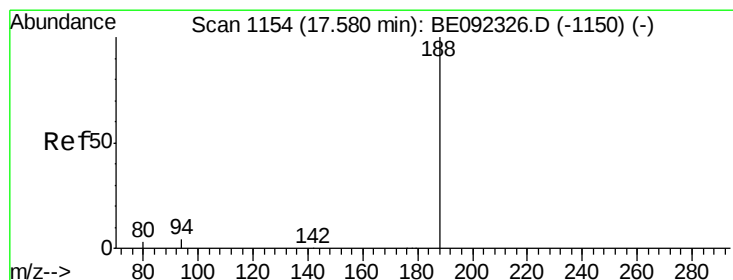
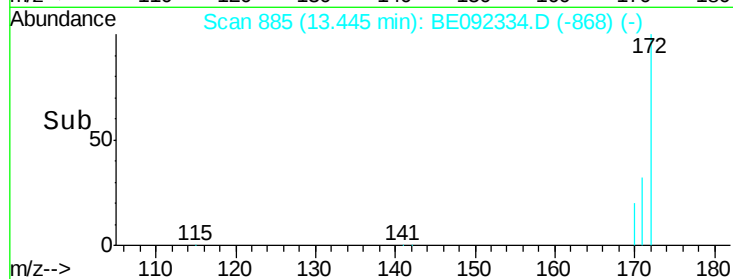
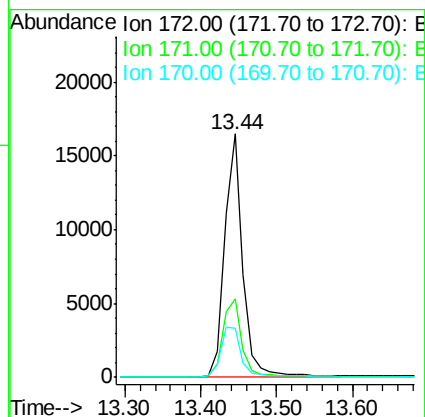
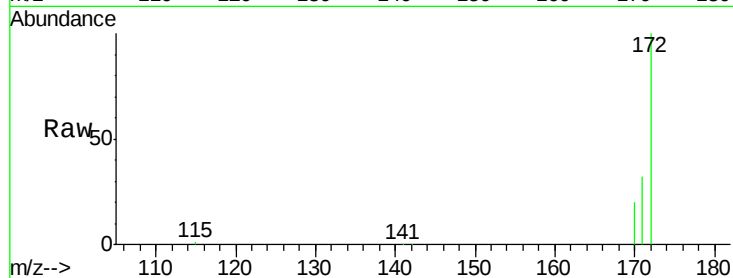




#14
2-Fluorobiphenyl
Concen: 4.04 ng
RT: 13.44 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092334.D
Acq: 1 Sep 2016 18:22

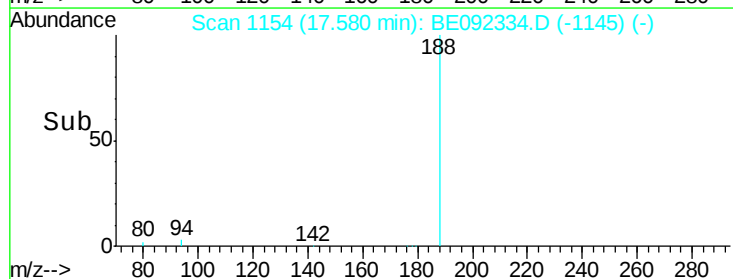
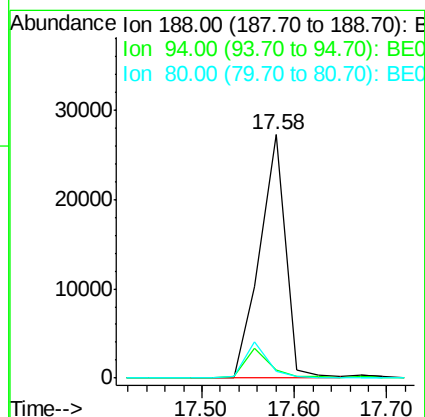
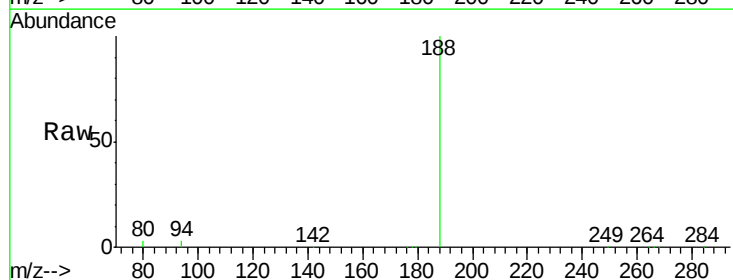
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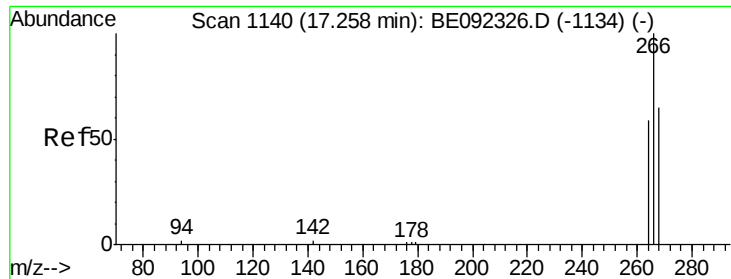
Tgt Ion:172 Resp: 27491
Ion Ratio Lower Upper
172 100
171 32.2 30.1 45.1
170 20.1 21.8 32.6#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092334.D
Acq: 1 Sep 2016 18:22

Tgt Ion:188 Resp: 53543
Ion Ratio Lower Upper
188 100
94 3.2 3.2 4.8
80 2.6 2.6 3.8





#20

Pentachlorophenol

Concen: 0.05 ng

RT: 17.26 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

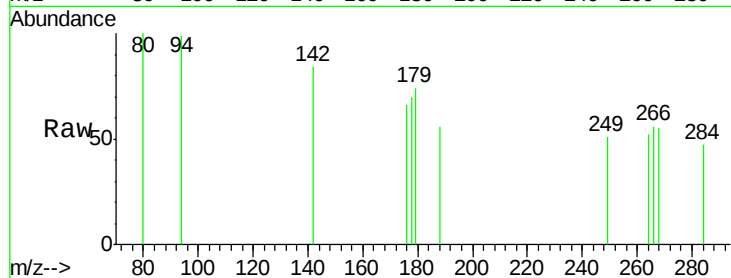
Tgt Ion:266 Resp: 47

Ion Ratio Lower Upper

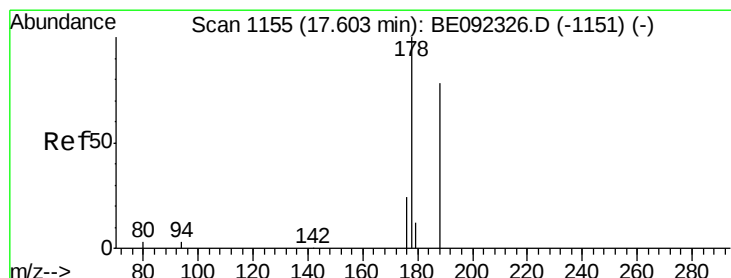
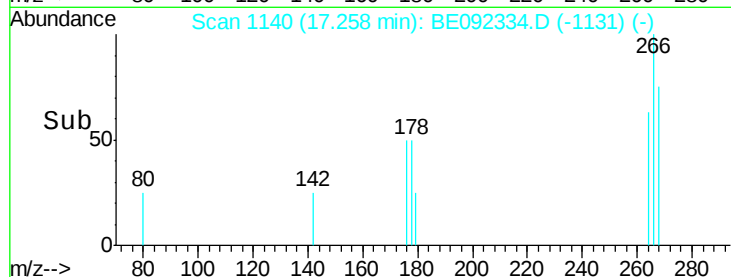
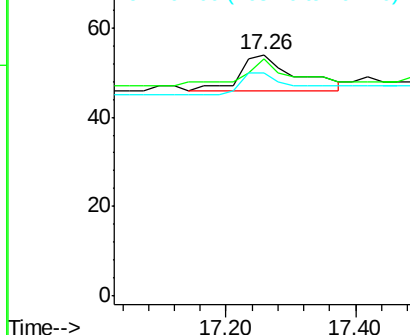
266 100

268 98.1 62.5 93.7#

264 92.6 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



#21

Phenanthrene

Concen: 0.03 ng

RT: 17.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

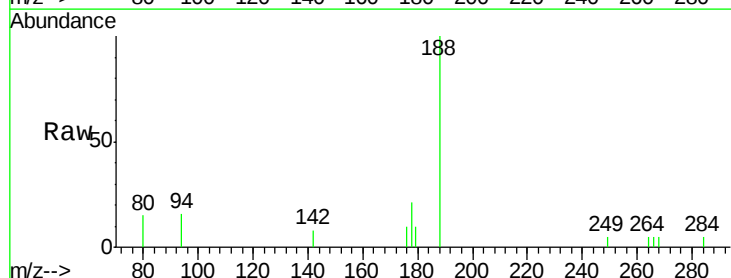
Tgt Ion:178 Resp: 328

Ion Ratio Lower Upper

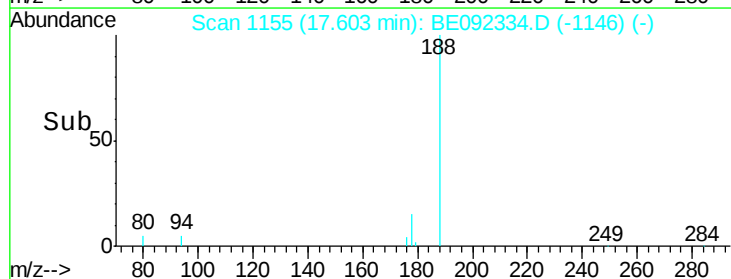
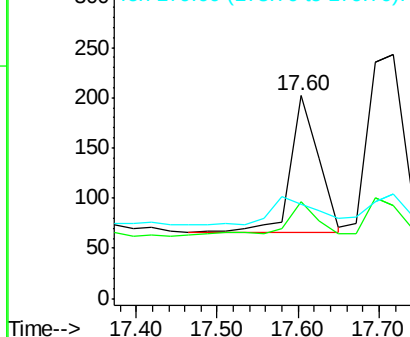
178 100

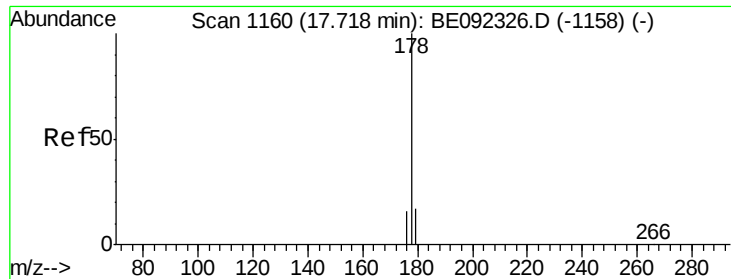
176 31.7 15.8 23.8#

179 0.0 0.0 0.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 0.05 ng

RT: 17.72 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

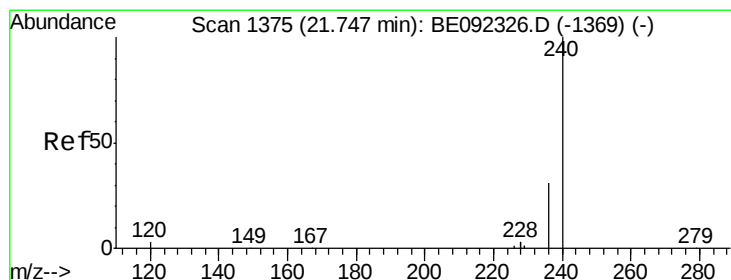
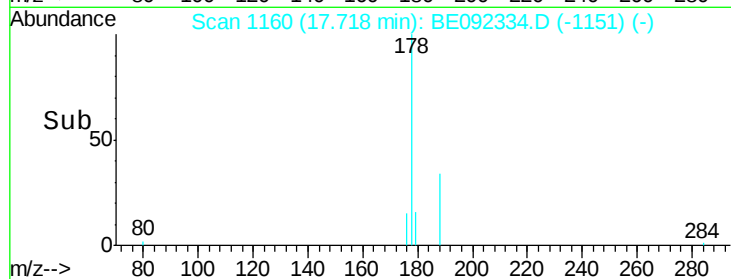
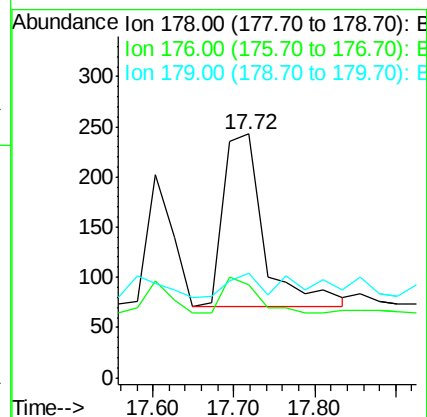
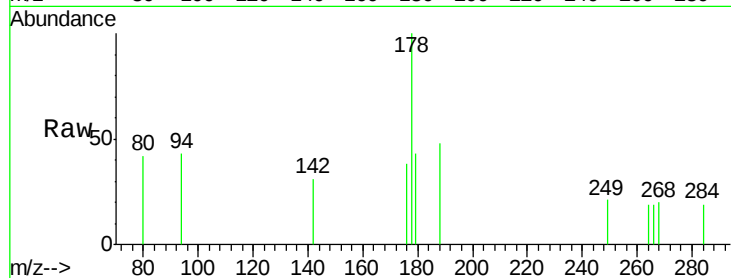
Tgt Ion:178 Resp: 597

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

179 10.2 12.2 18.2#



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

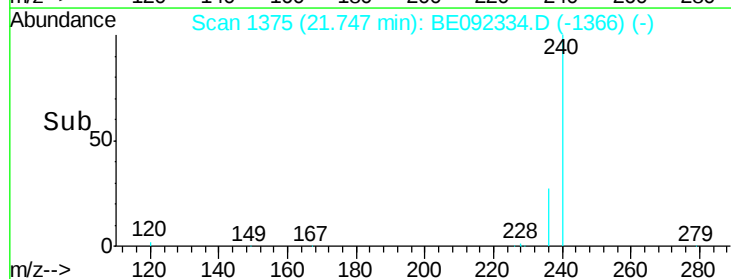
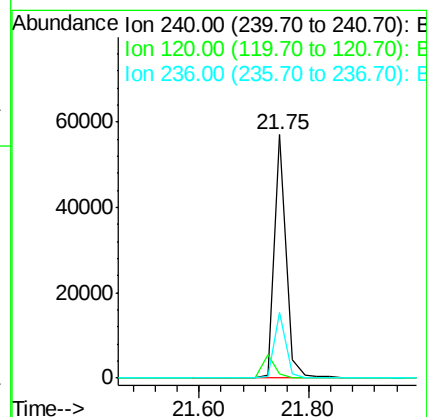
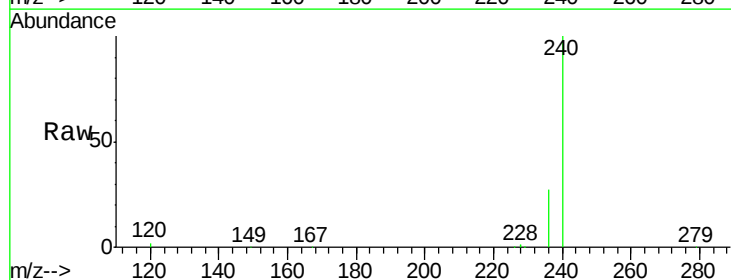
Tgt Ion:240 Resp: 86192

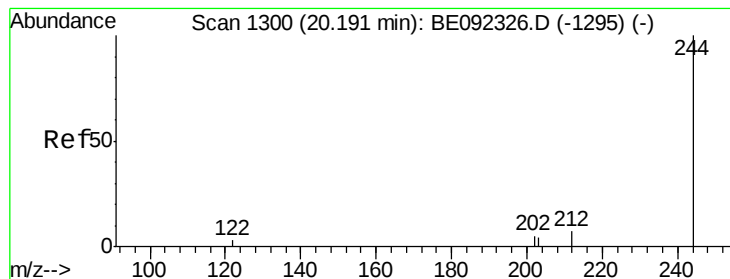
Ion Ratio Lower Upper

240 100

120 1.9 2.6 4.0#

236 27.2 24.6 37.0





#26

Terphenyl-d14

Concen: 4.24 ng

RT: 20.17 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

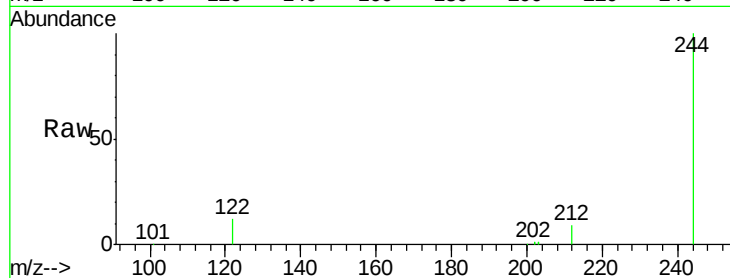
Tgt Ion:244 Resp: 50390

Ion Ratio Lower Upper

244 100

212 9.4 6.7 10.1

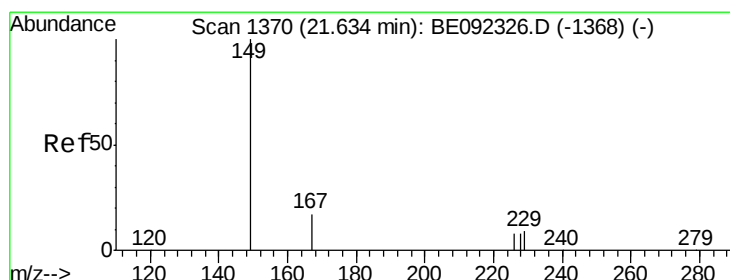
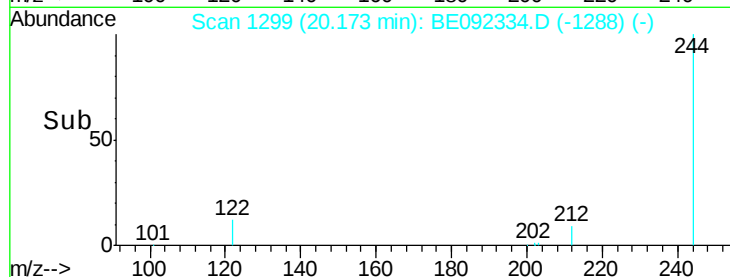
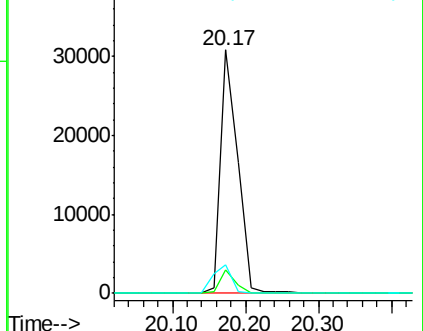
122 11.9 3.6 5.4#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.21 ng

RT: 21.63 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

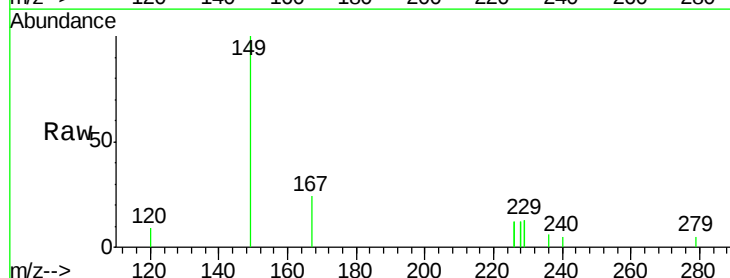
Tgt Ion:149 Resp: 1976

Ion Ratio Lower Upper

149 100

167 22.7 0.0 0.0#

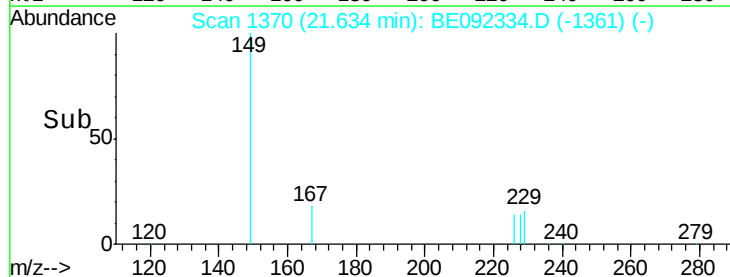
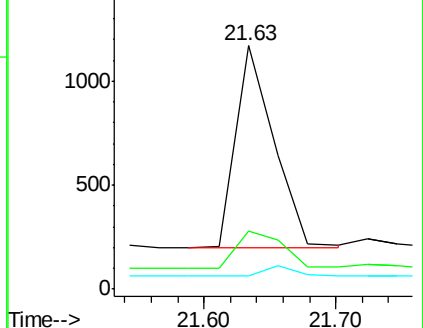
279 0.0 0.0 0.0

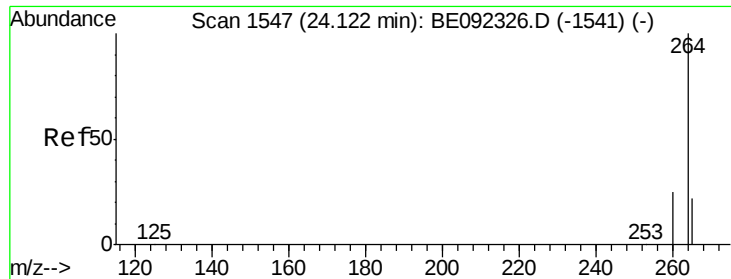


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.11 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BE092334.D

Acq: 1 Sep 2016 18:22

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160829

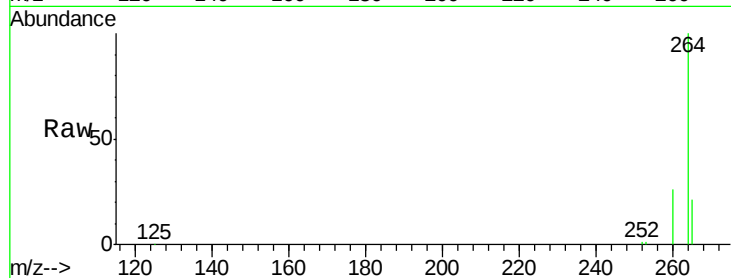
Tgt Ion: 264 Resp: 75832

Ion Ratio Lower Upper

264 100

260 26.0 20.1 30.1

265 21.3 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

