

Data Path : Z:\HPCHEM1\BNA_E\Data\BE101716\
 Data File : BE092458.D
 Acq On : 17 Oct 2016 18:30
 Operator : UM/SJ
 Sample : H5012-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-160927

Quant Time: Oct 17 19:03:00 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

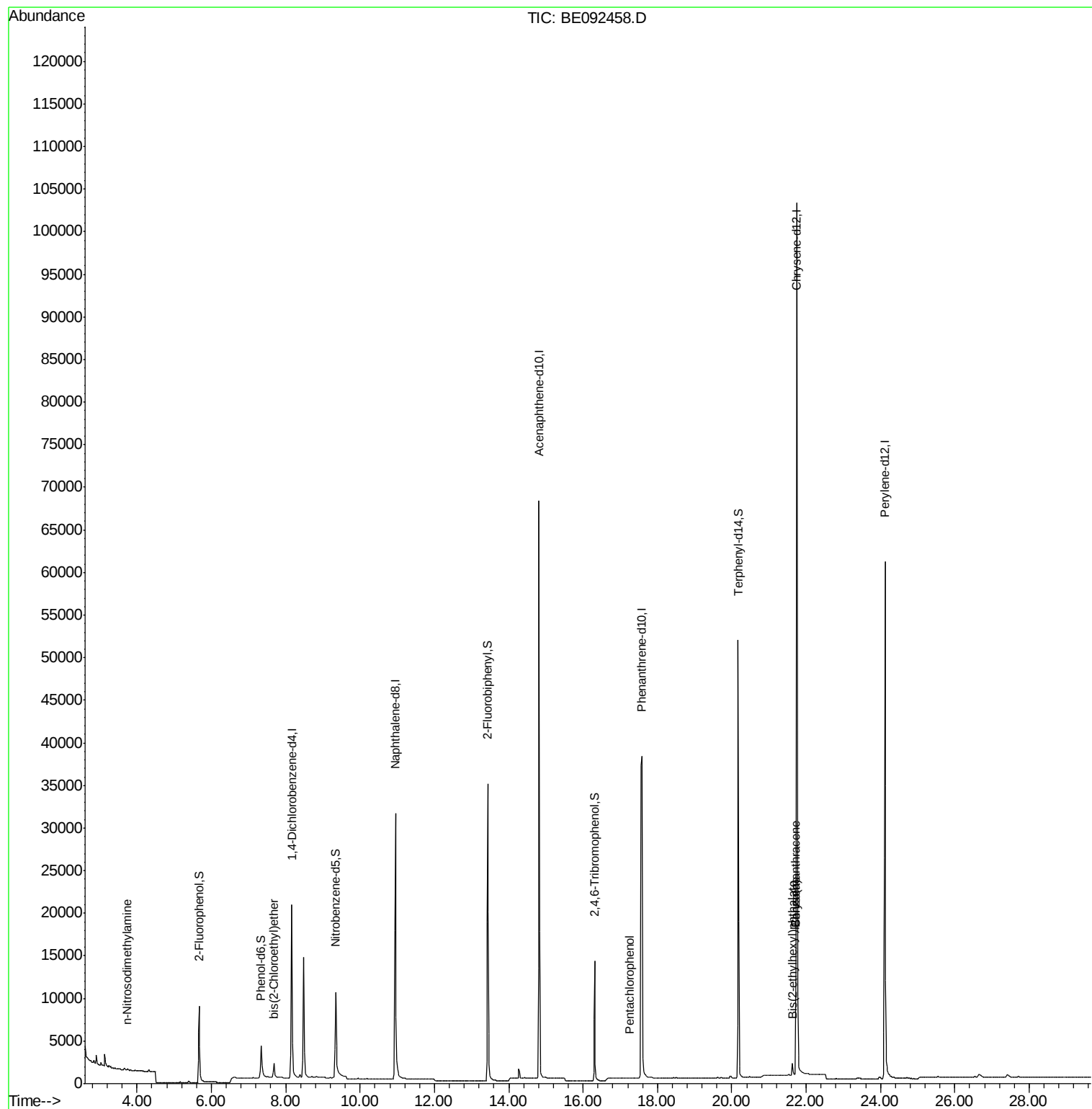
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	11794	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	55139	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	41419	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	87511	5.00	ng	0.02
24) Chrysene-d12	21.75	240	123270	5.00	ng	0.00
31) Perylene-d12	24.12	264	97306	5.00	ng	0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	8308	3.06	ng	-0.02
5) Phenol-d6	7.34	99	6092	1.60	ng	-0.02
8) Nitrobenzene-d5	9.34	82	13589	3.47	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	9381	6.42	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	38376	3.91	ng	-0.01
26) Terphenyl-d14	20.17	244	65189	4.26	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.41	88	60	Below Cal	#	1
3) n-Nitrosodimethylamine	3.74	42	21	0.20 ng	#	6
6) bis(2-Chloroethyl)ether	7.68	93	25	0.10 ng	#	1
20) Pentachlorophenol	17.26	266	12	0.19 ng	#	73
27) Benzo(a)anthracene	21.72	228	2891	0.02 ng	#	73
28) Chrysene	21.72	228	2929	0.03 ng	#	80
29) Bis(2-ethylhexyl)phthalate	21.63	149	1948	0.19 ng	#	75

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

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QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

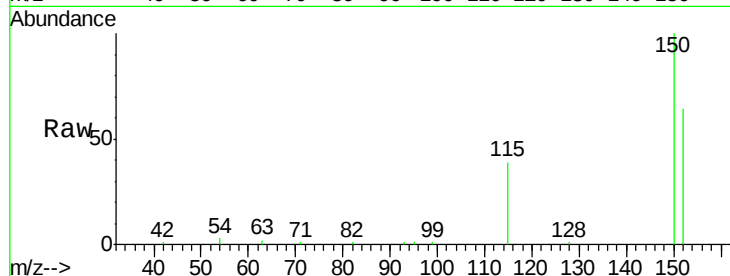
Tgt Ion:152 Resp: 11794

Ion Ratio Lower Upper

152 100

150 156.9 106.0 159.0

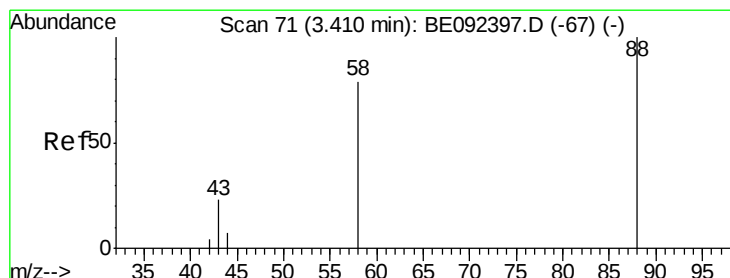
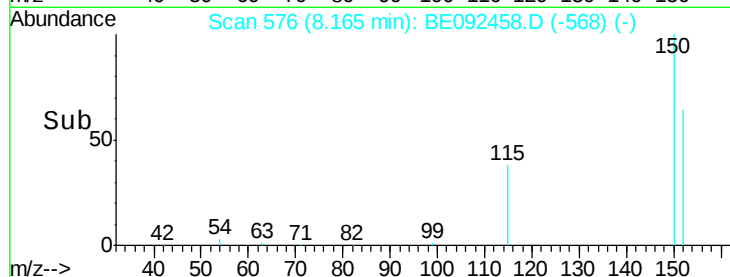
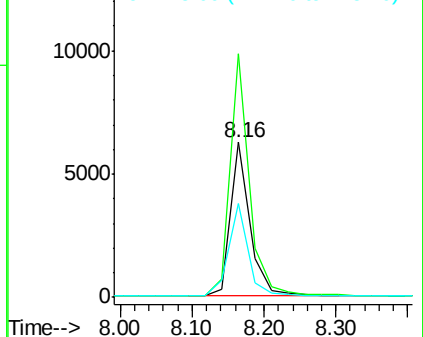
115 60.6 31.2 46.8#



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: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

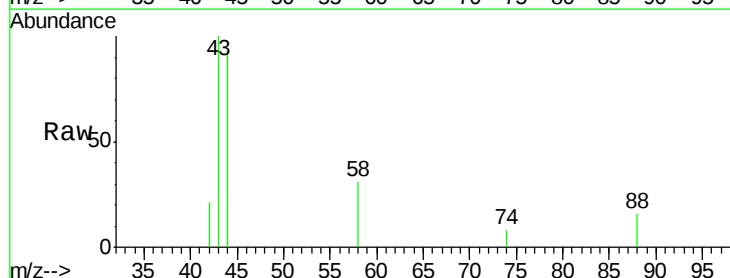
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

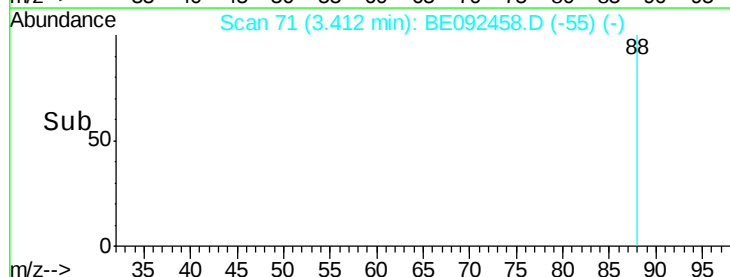
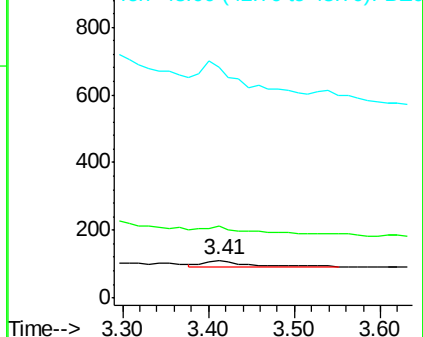
43 500.0 28.0 42.0#

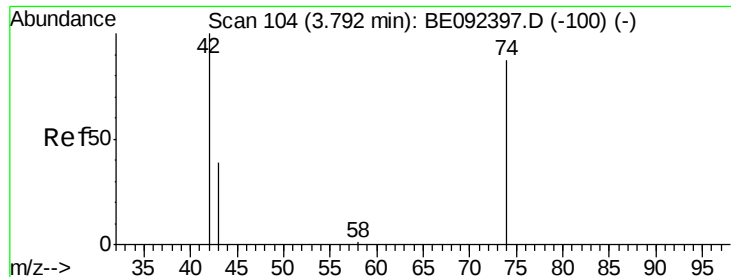


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.74 min Scan# 99

Delta R.T. -0.07 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

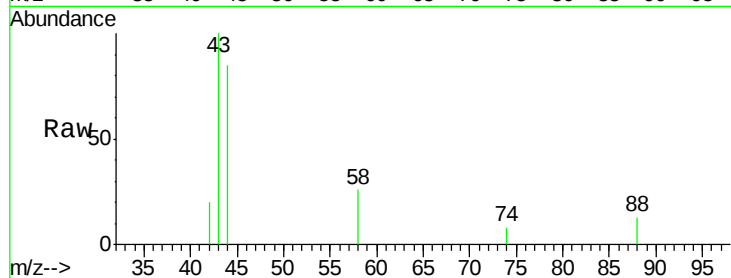
Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

Tgt Ion:	42	Resp:	21
Ion	Ratio	Lower	Upper
42	100		
74	4.8	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

Ion 44.00 (43.70 to 44.70): BE0

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Ion 44.00 (43.70 to 44.70): BE0

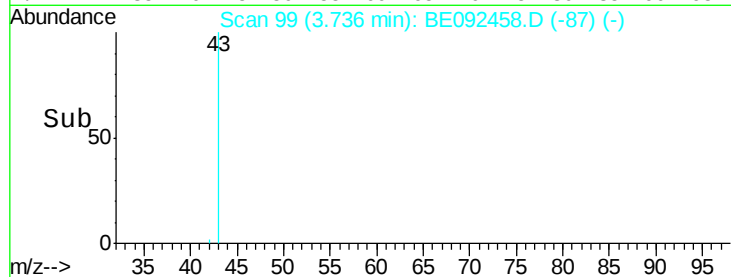
Ion 44.00 (43.70 to 44.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

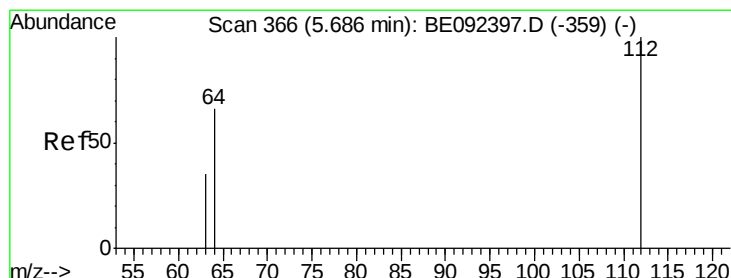
Ion 44.00 (43.70 to 44.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 3.06 ng

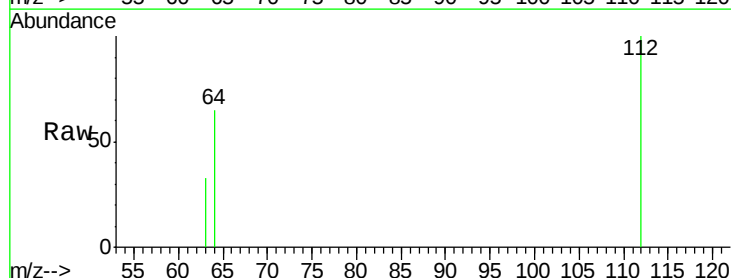
RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Tgt Ion:	112	Resp:	8308
Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.5	80.3
63	37.0	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

Ion 63.00 (62.70 to 63.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

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Ion 63.00 (62.70 to 63.70): BE0

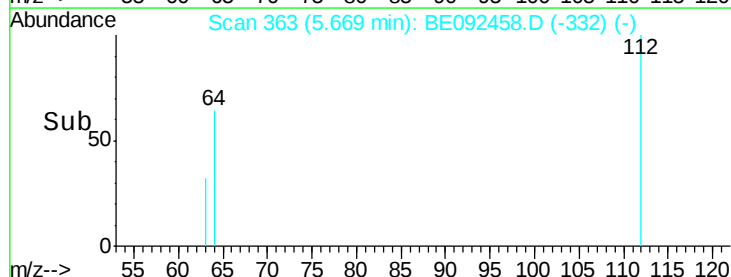
Ion 63.00 (62.70 to 63.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

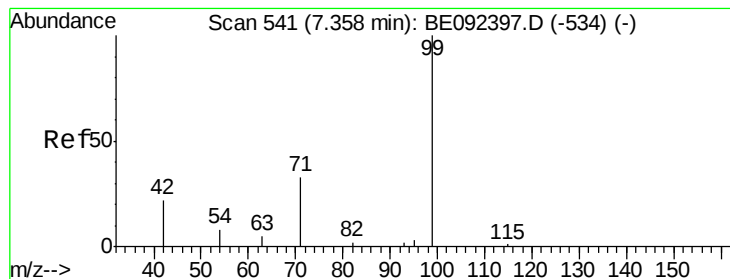
Ion 63.00 (62.70 to 63.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 1.60 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

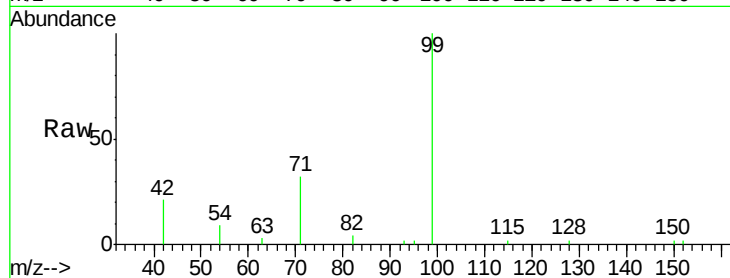
Tgt Ion: 99 Resp: 6092

Ion Ratio Lower Upper

99 100

42 24.6 16.0 24.0#

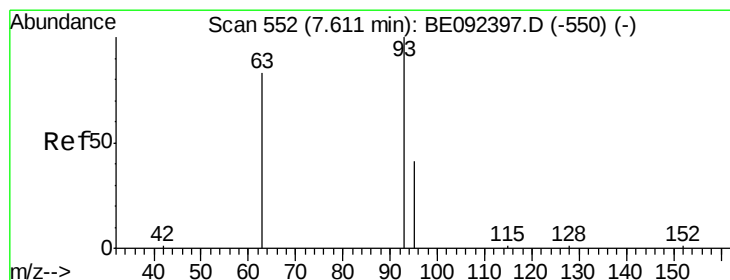
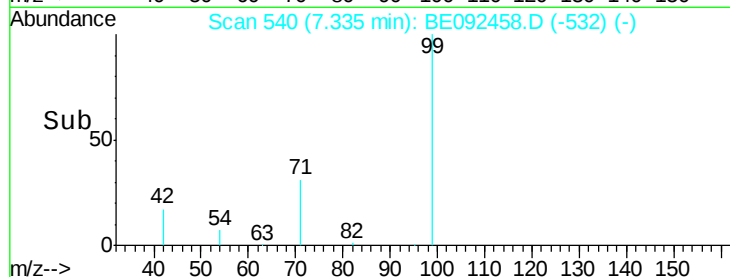
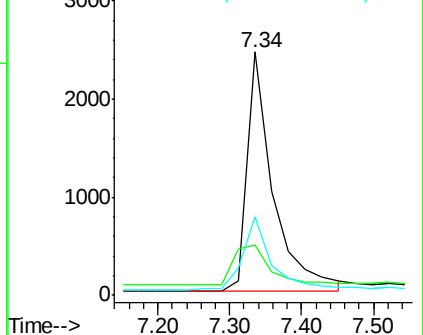
71 34.3 30.6 45.8



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: 0.10 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.07 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

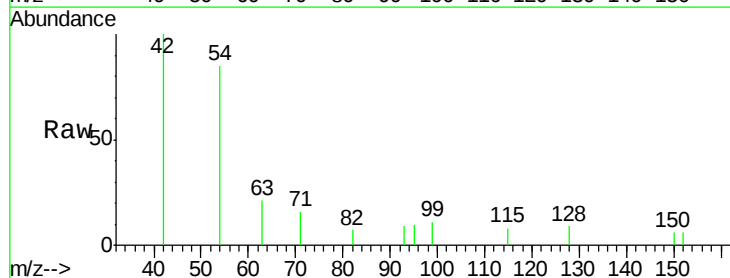
Tgt Ion: 93 Resp: 25

Ion Ratio Lower Upper

93 100

63 844.0 71.6 107.4#

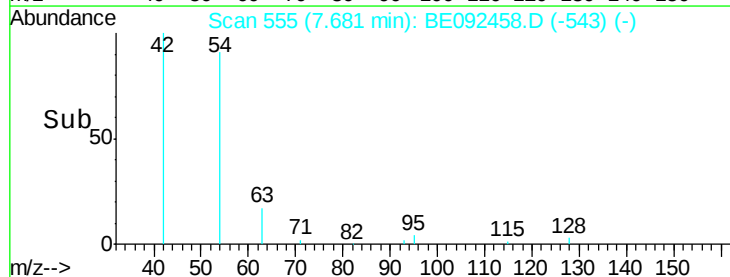
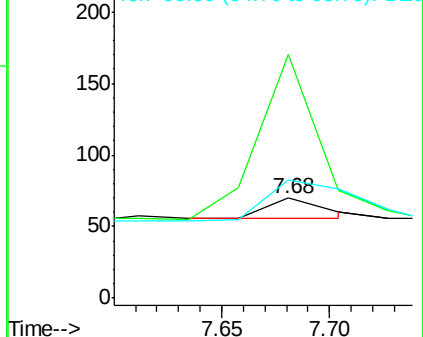
95 288.0 24.0 36.0#

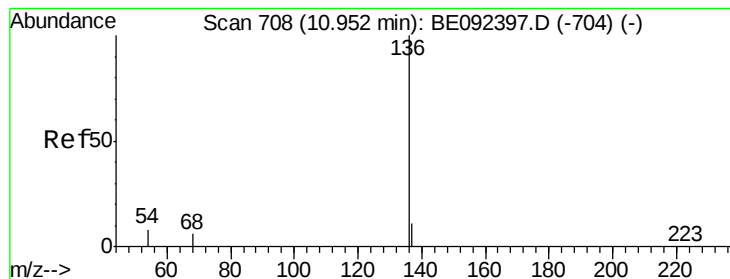


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

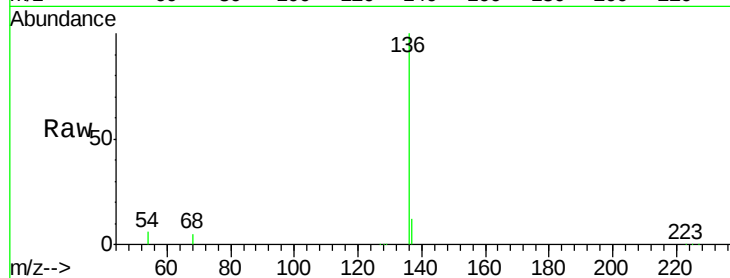
Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

Tgt Ion:	136	Resp:	55139
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	6.1	9.6	14.4#
68	4.6	6.7	10.1#

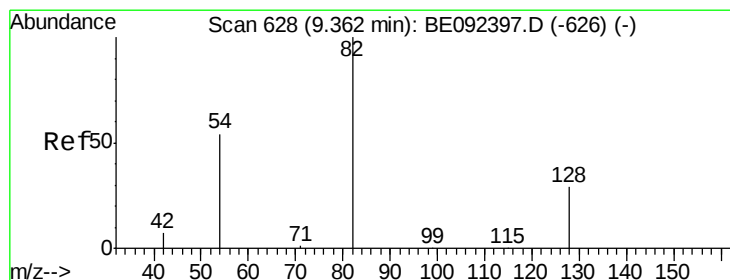
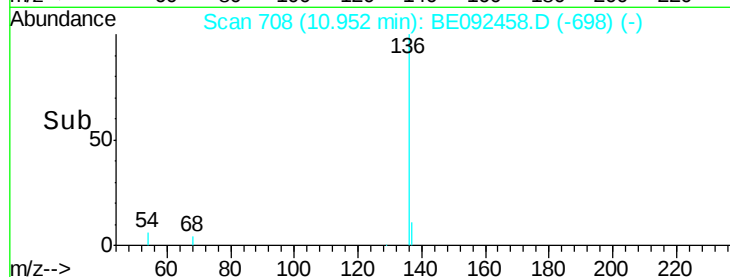
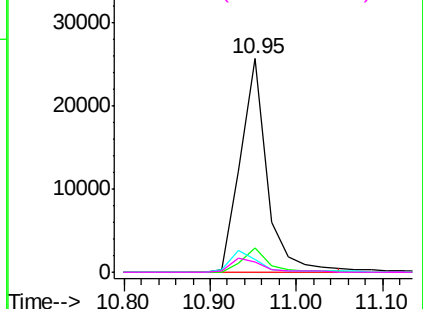


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.47 ng

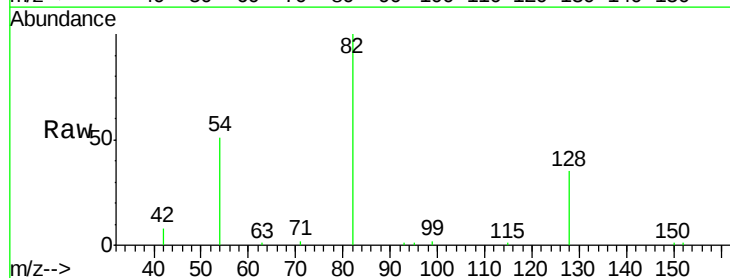
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

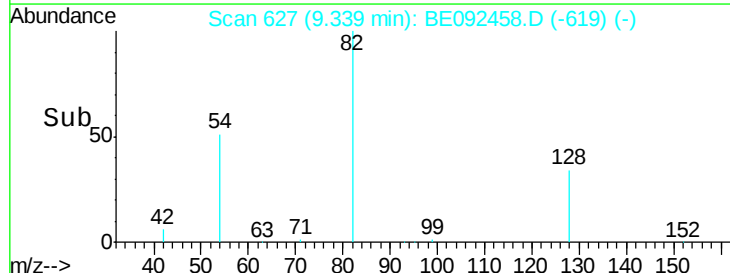
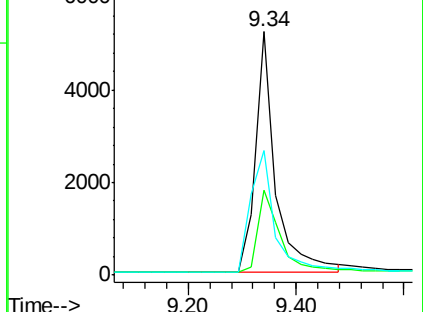
Tgt Ion:	82	Resp:	13589
Ion	Ratio	Lower	Upper
82	100		
128	35.0	39.0	58.4#
54	51.1	44.8	67.2

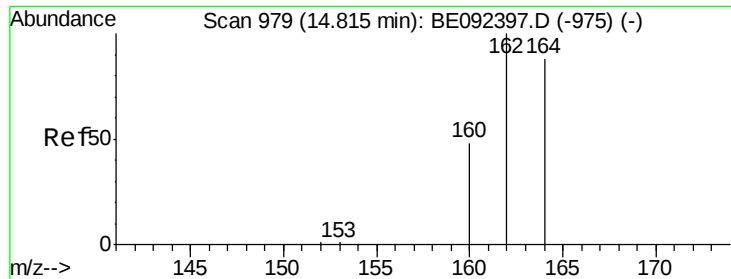


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 14.81 min Scan# 979

Delta R.T. -0.00 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

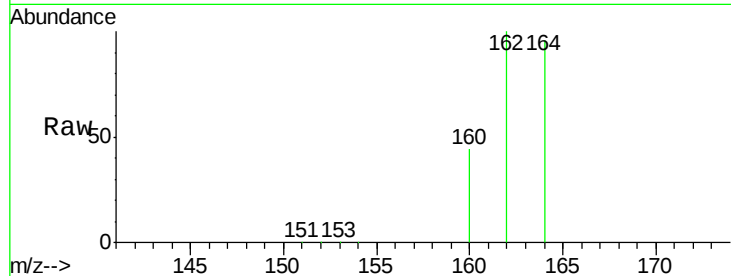
Tgt Ion:164 Resp: 41419

Ion Ratio Lower Upper

164 100

162 104.6 71.4 107.0

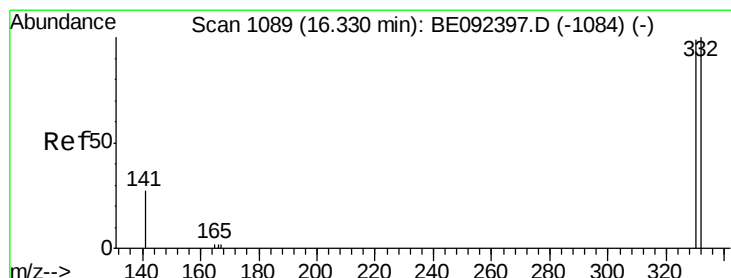
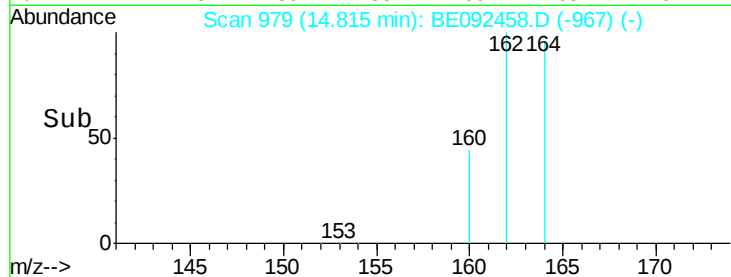
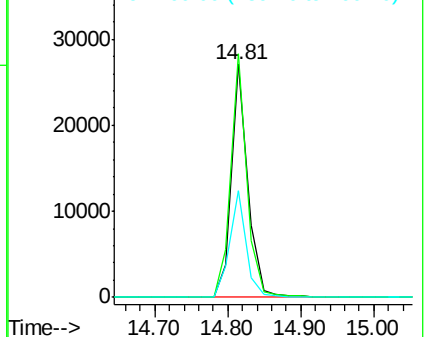
160 45.9 27.4 41.2#



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: 6.42 ng

RT: 16.31 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

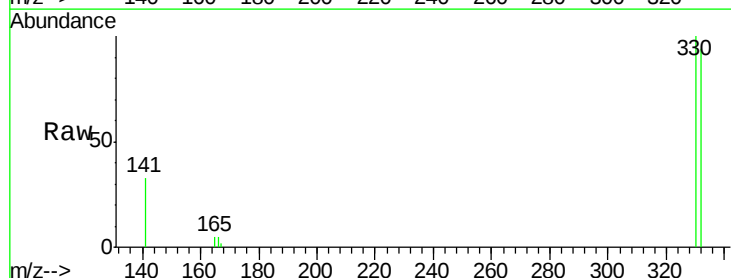
Tgt Ion:330 Resp: 9381

Ion Ratio Lower Upper

330 100

332 96.8 75.4 113.0

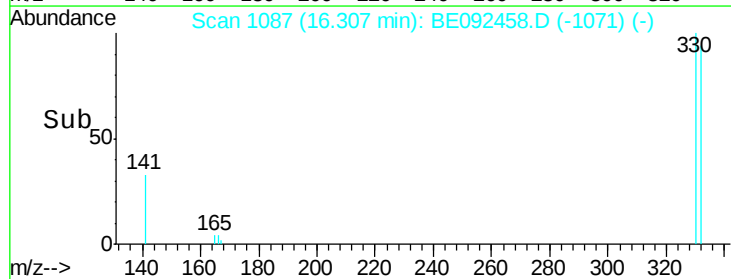
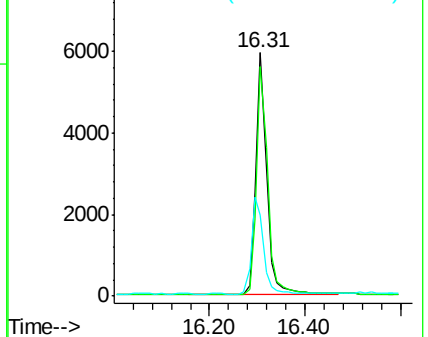
141 44.6 31.0 46.6

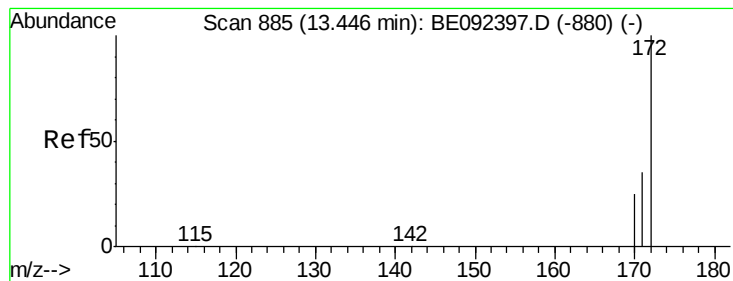


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.91 ng

RT: 13.43 min Scan# 884

Delta R.T. -0.01 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

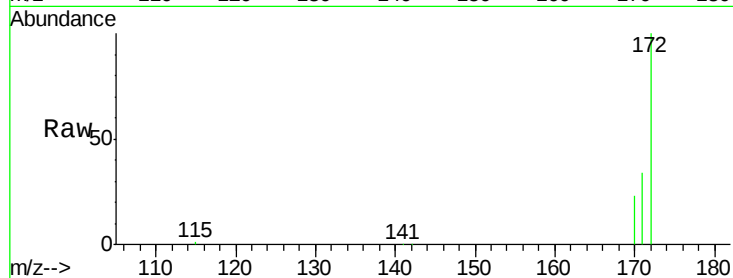
Tgt Ion:172 Resp: 38376

Ion Ratio Lower Upper

172 100

171 34.4 30.1 45.1

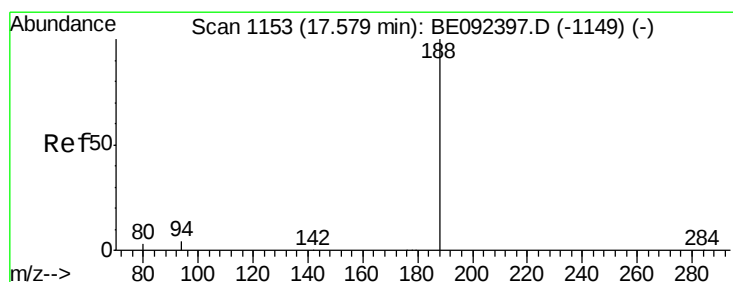
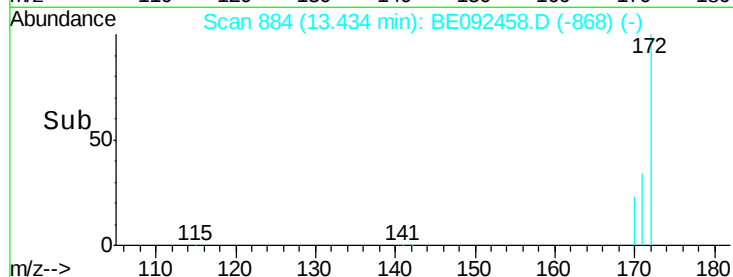
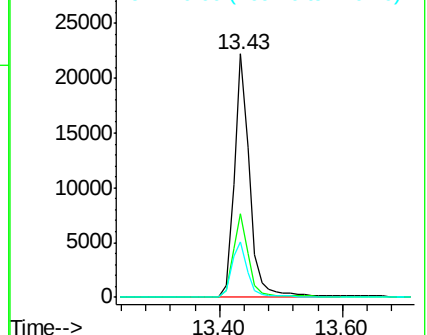
170 22.9 21.8 32.6



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: 17.58 min Scan# 1153

Delta R.T. 0.02 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

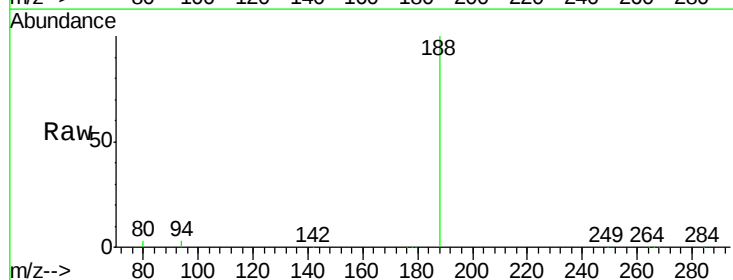
Tgt Ion:188 Resp: 87511

Ion Ratio Lower Upper

188 100

94 3.1 3.2 4.8#

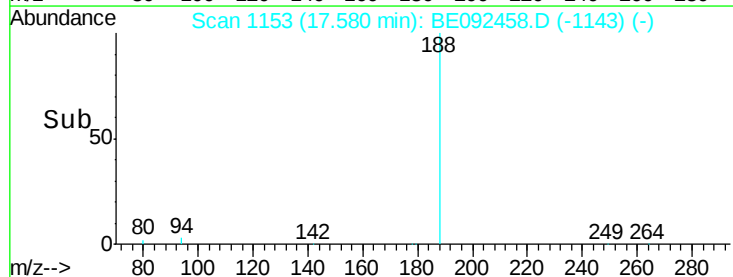
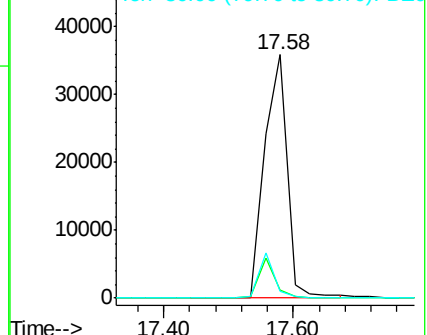
80 2.6 2.6 3.8

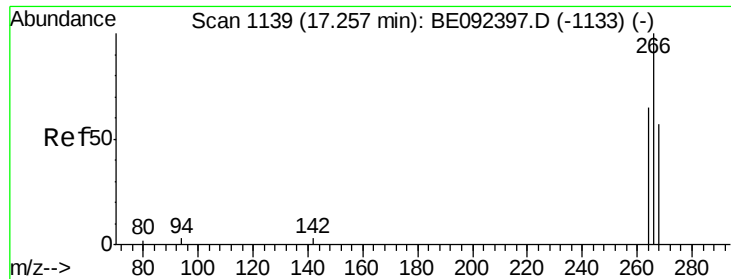


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

Pentachlorophenol

Concen: 0.19 ng

RT: 17.26 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

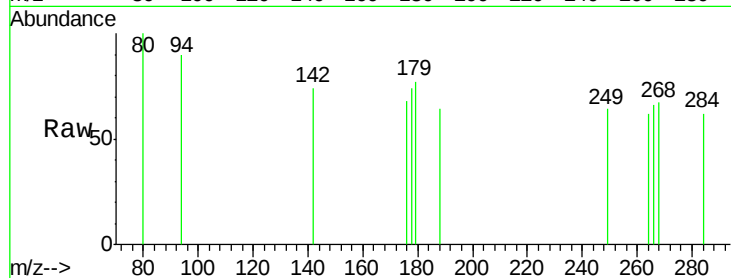
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

268 102.1 62.5 93.7#

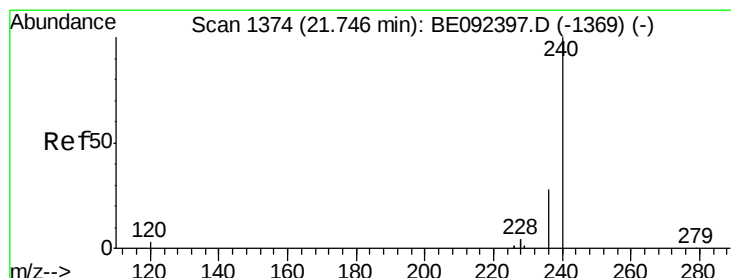
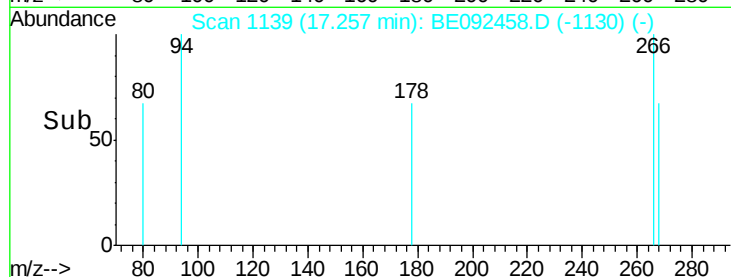
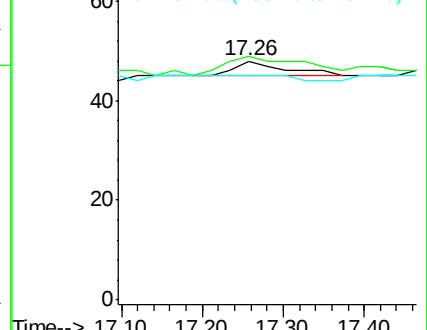
264 93.8 57.2 85.8#



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: 21.75 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

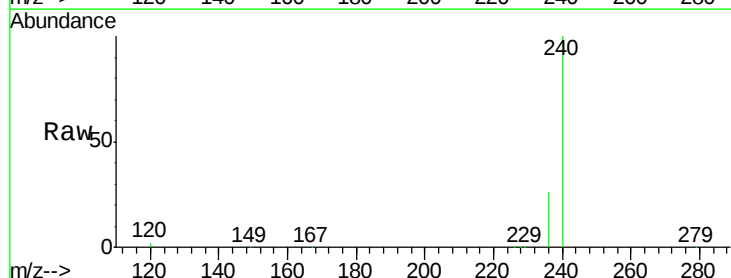
Tgt Ion:240 Resp: 123270

Ion Ratio Lower Upper

240 100

120 1.9 2.6 4.0#

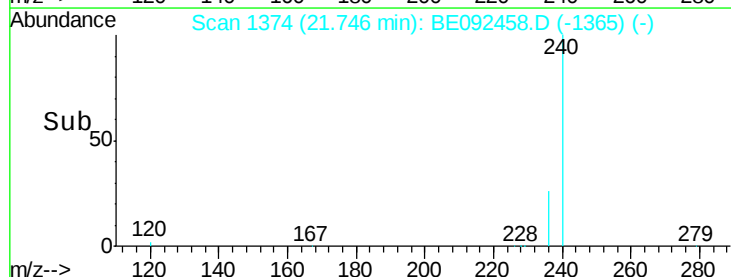
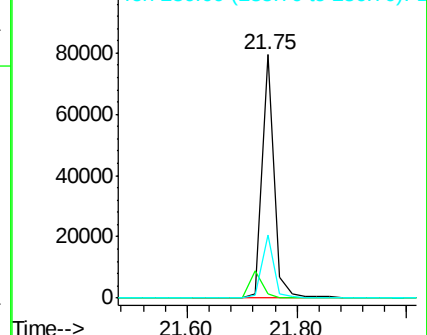
236 26.1 24.6 37.0

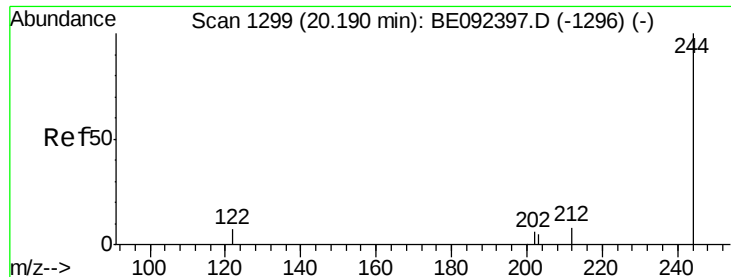


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Terphenyl-d14

Concen: 4.26 ng

RT: 20.17 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

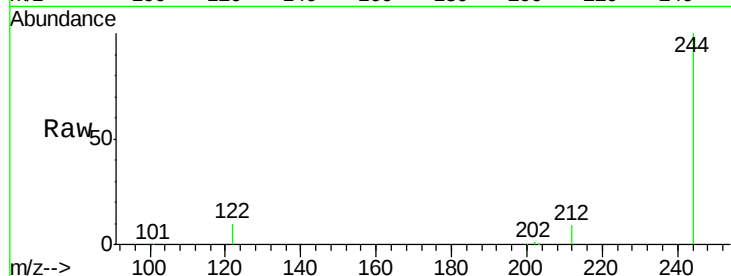
Tgt Ion:244 Resp: 65189

Ion Ratio Lower Upper

244 100

212 9.0 6.7 10.1

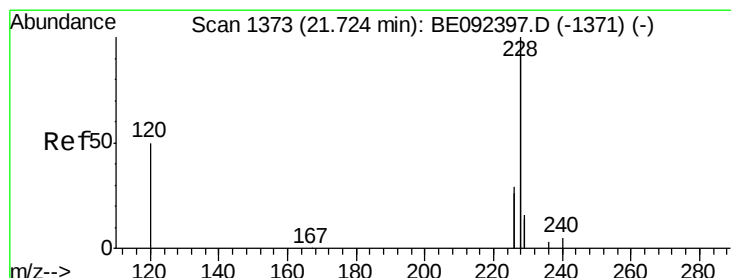
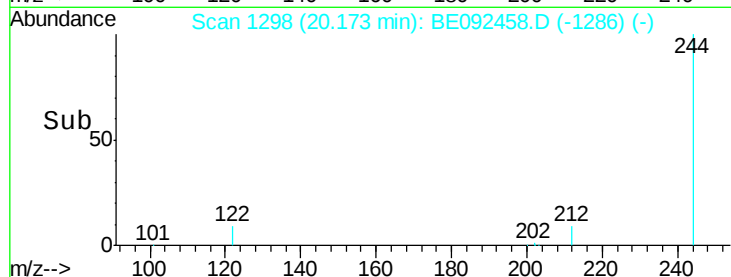
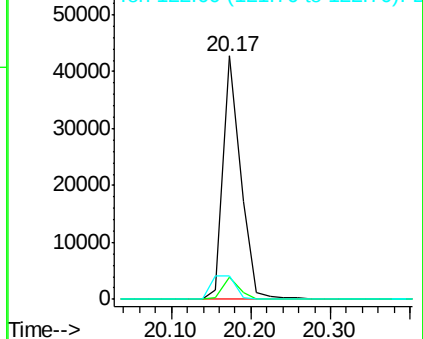
122 9.5 3.6 5.4#



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: 0.02 ng

RT: 21.72 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

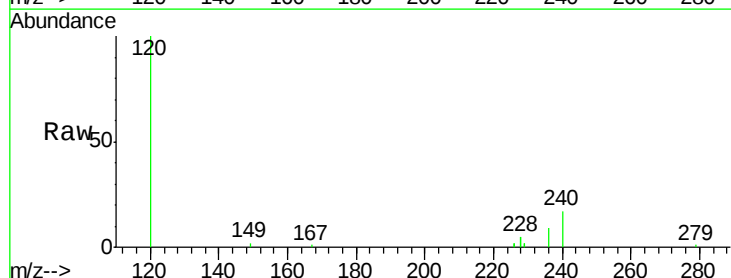
Tgt Ion:228 Resp: 2891

Ion Ratio Lower Upper

228 100

226 38.9 23.6 35.4#

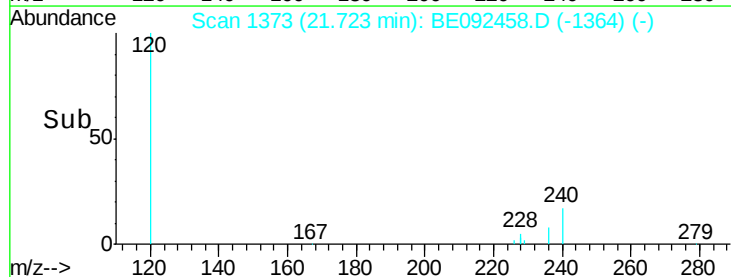
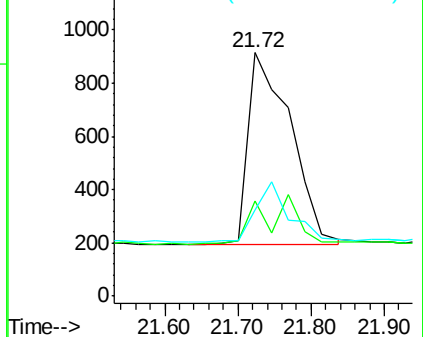
229 35.4 13.3 19.9#

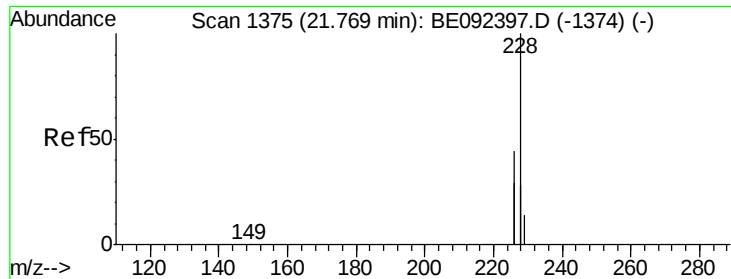


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Chrysene

Concen: 0.03 ng

RT: 21.72 min Scan# 1373

Delta R.T. -0.04 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927

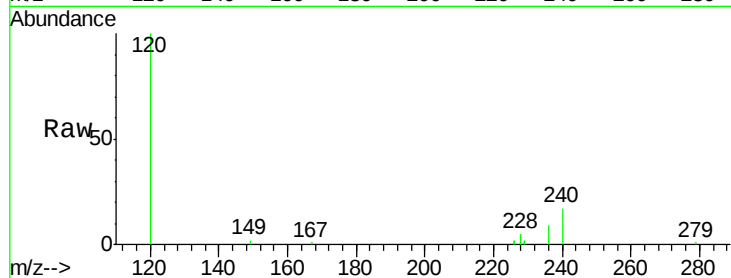
Tgt Ion:228 Resp: 2929

Ion Ratio Lower Upper

228 100

226 38.9 36.3 54.5

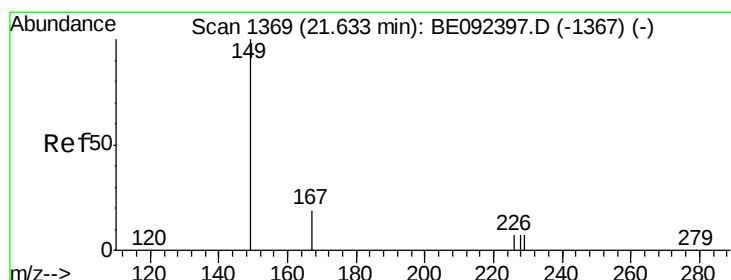
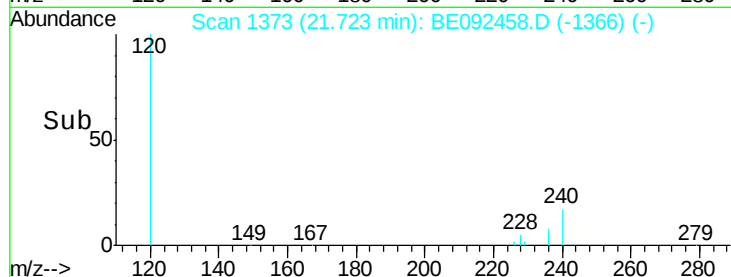
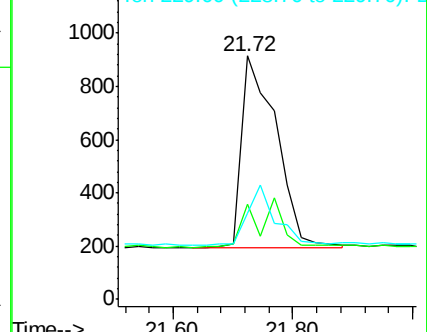
229 35.4 10.6 16.0#



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: 0.19 ng

RT: 21.63 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BE092458.D

Acq: 17 Oct 2016 18:30

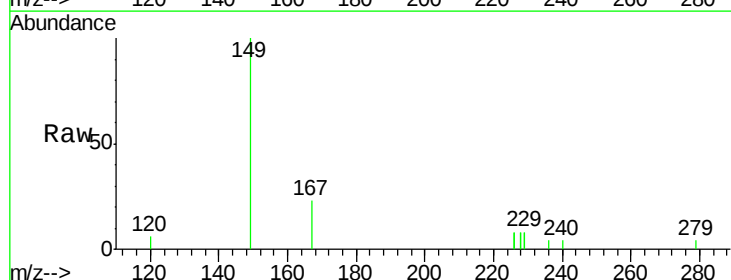
Tgt Ion:149 Resp: 1948

Ion Ratio Lower Upper

149 100

167 22.5 16.0 24.0

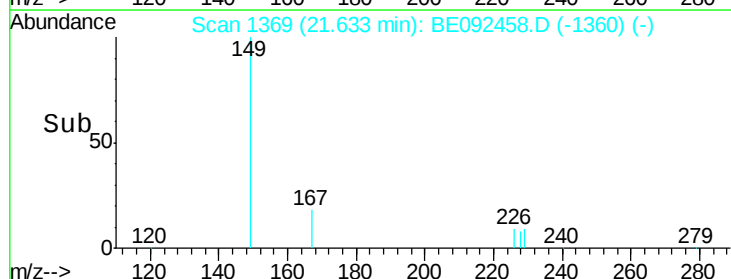
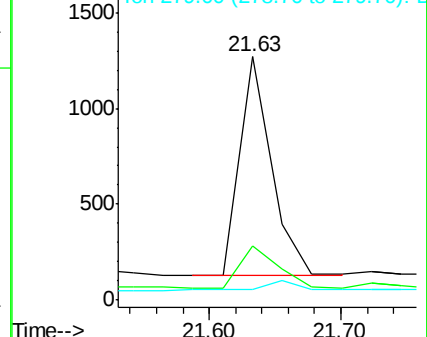
279 0.0 16.0 24.0#

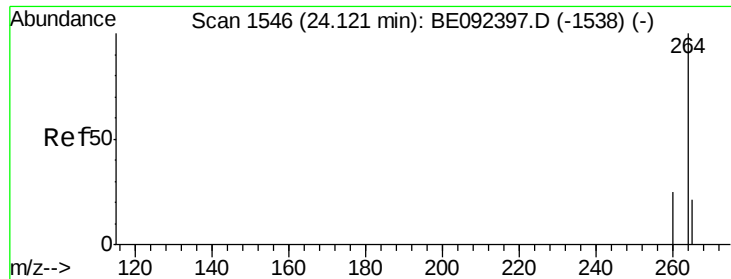


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.12 min Scan# 1546

Delta R.T. 0.03 min

Lab File: BE092458.D

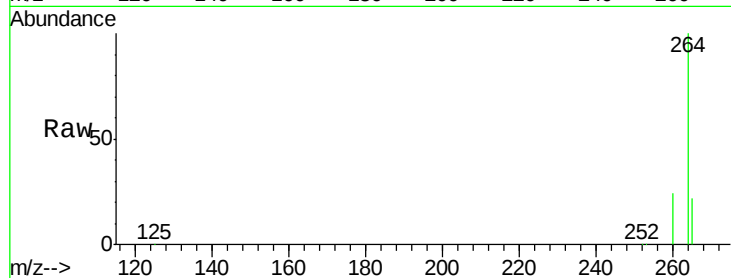
Acq: 17 Oct 2016 18:30

Instrument :

BNA_E

ClientSampleId :

KY038PS033-160927



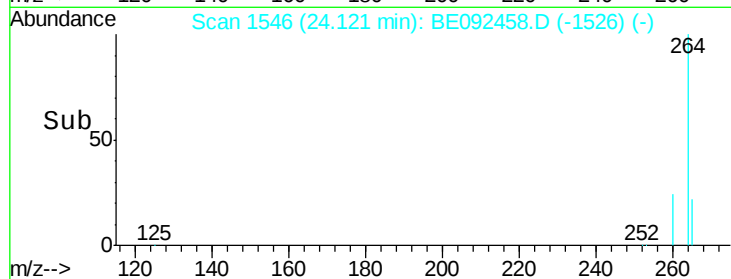
Tgt Ion: 264 Resp: 97306

Ion Ratio Lower Upper

264 100

260 23.9 20.1 30.1

265 22.4 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

