

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092117.D
 Acq On : 2 Aug 2016 18:52
 Operator : UM/SJ
 Sample : PB92496BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92496BL

Quant Time: Aug 03 03:53:31 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

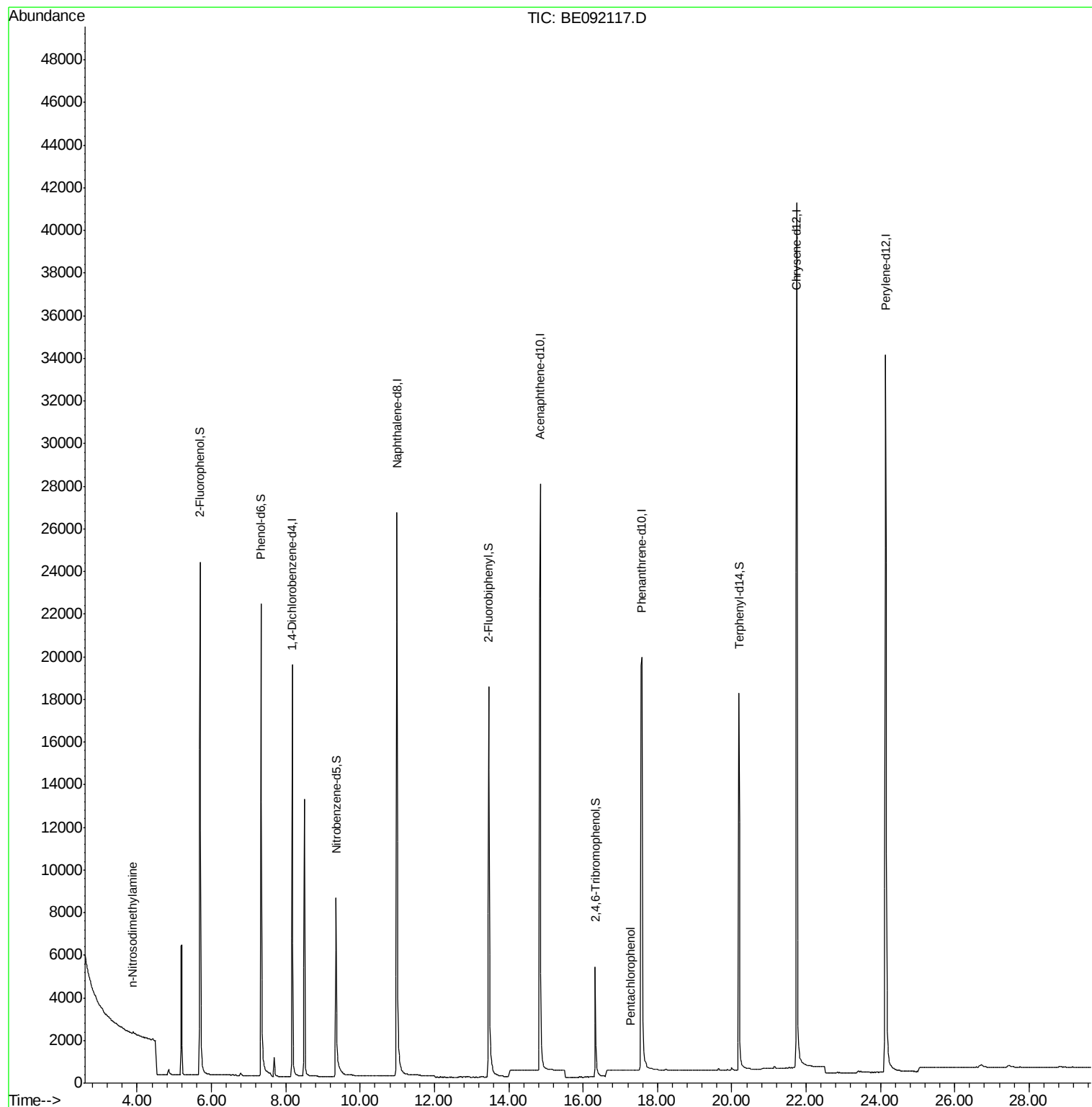
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	11234	5.00	ng	0.01
6) Naphthalene-d8	10.99	136	46951	5.00	ng	0.00
10) Acenaphthene-d10	14.85	164	22980	5.00	ng	0.00
16) Phenanthrene-d10	17.58	188	47450	5.00	ng	0.00
22) Chrysene-d12	21.75	240	54719	5.00	ng	0.00
28) Perylene-d12	24.14	264	53643	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	20617	7.15	ng	0.00
5) Phenol-d6	7.34	99	25317	6.59	ng	-0.01
7) Nitrobenzene-d5	9.35	82	10799	2.91	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	4315	5.78	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	24187	3.32	ng	0.00
24) Terphenyl-d14	20.19	244	27822	3.54	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.88	42	40	0.11	ng	# 10
8) Naphthalene	11.03	128	26	Below	Cal	# 1
18) Pentachlorophenol	17.28	266	10	0.20	ng	# 77
19) Phenanthrene	17.60	178	112	Below	Cal	# 79
30) Benzo(k)fluoranthene	23.41	252	123	Below	Cal	# 1

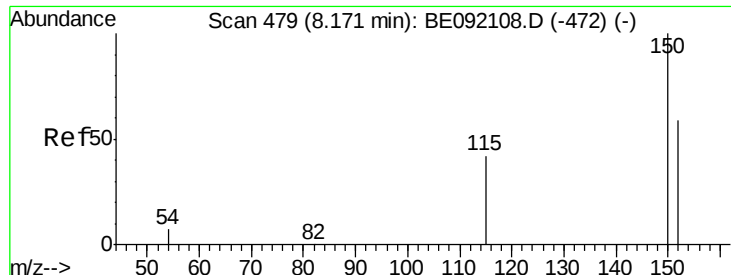
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 16:59:37 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 480

Delta R.T. 0.01 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Instrument :

BNA_E

ClientSampleId :

PB92496BL

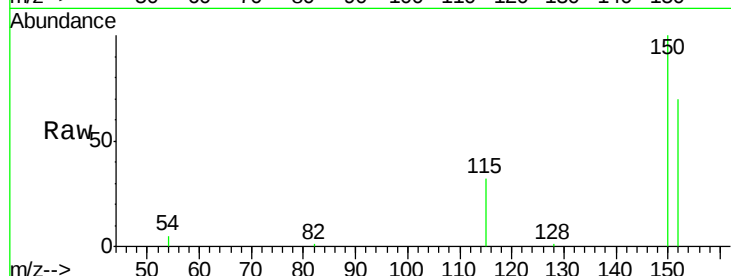
Tgt Ion:152 Resp: 11234

Ion Ratio Lower Upper

152 100

150 142.7 106.0 159.0

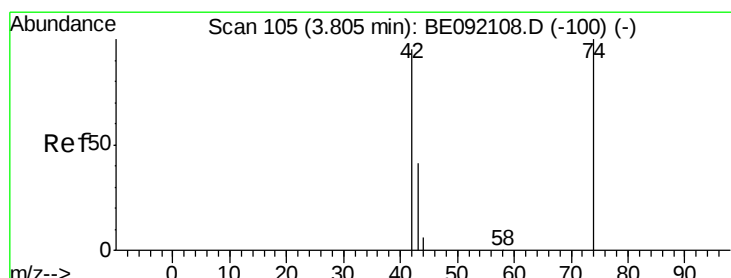
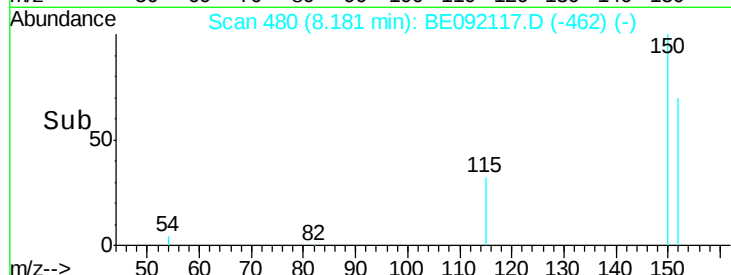
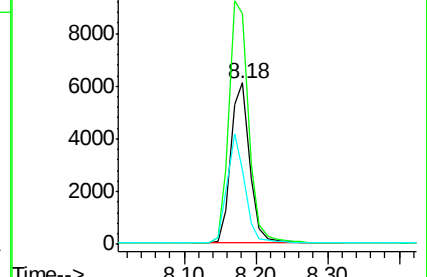
115 45.9 36.9 55.3



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: 0.11 ng

RT: 3.88 min Scan# 112

Delta R.T. 0.08 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

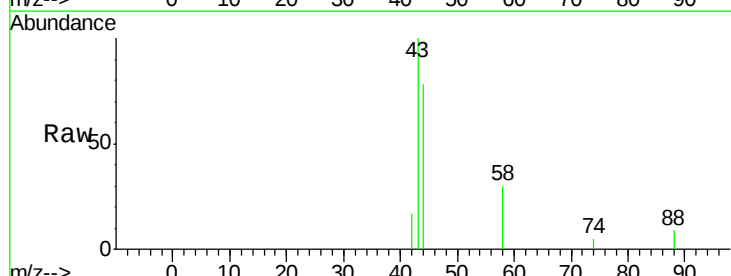
Tgt Ion: 42 Resp: 40

Ion Ratio Lower Upper

42 100

74 5.0 82.8 124.2#

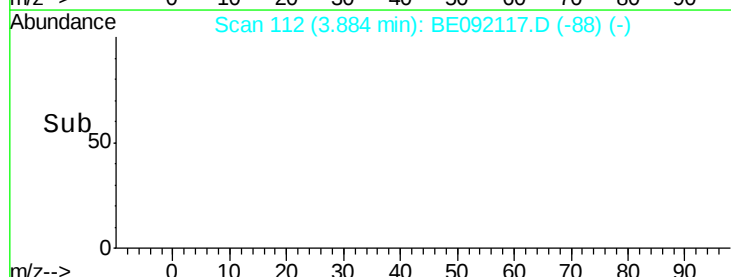
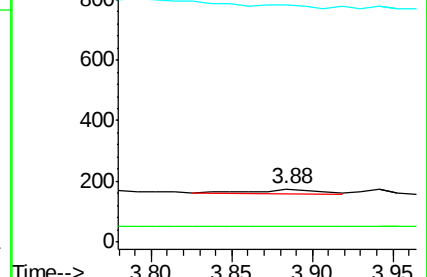
44 0.0 9.0 13.4#

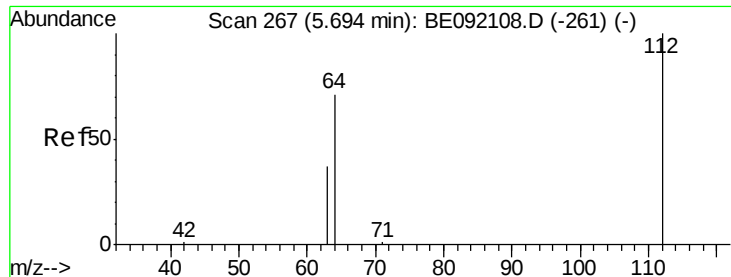


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 7.15 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Instrument :

BNA_E

ClientSampleId :

PB92496BL

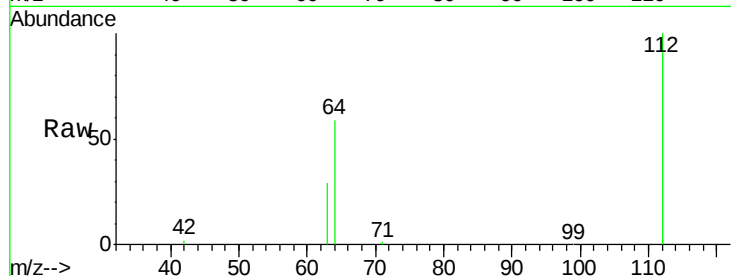
Tgt Ion: 112 Resp: 20617

Ion Ratio Lower Upper

112 100

64 66.3 55.9 83.9

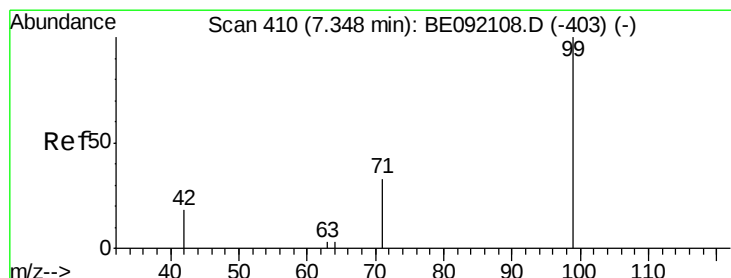
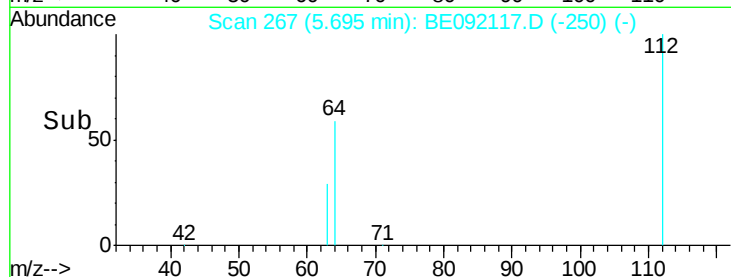
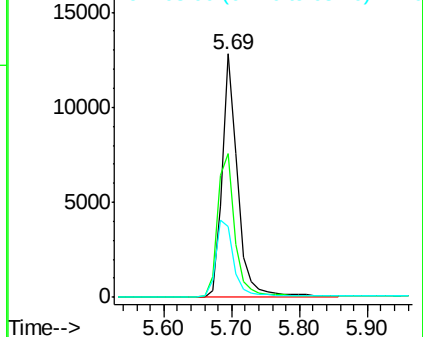
63 36.0 31.1 46.7



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: 6.59 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

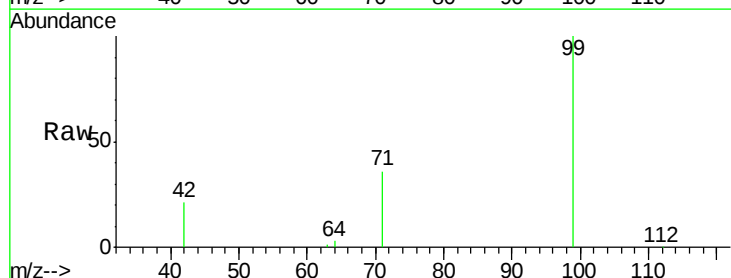
Tgt Ion: 99 Resp: 25317

Ion Ratio Lower Upper

99 100

42 24.7 22.4 33.6

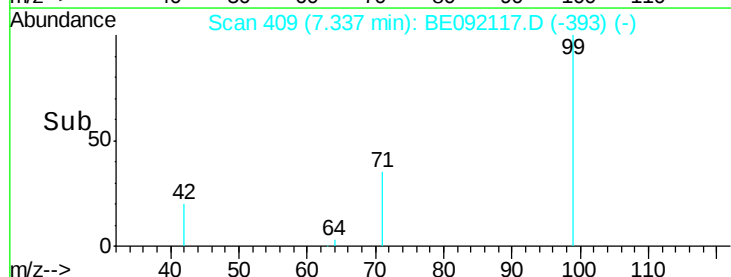
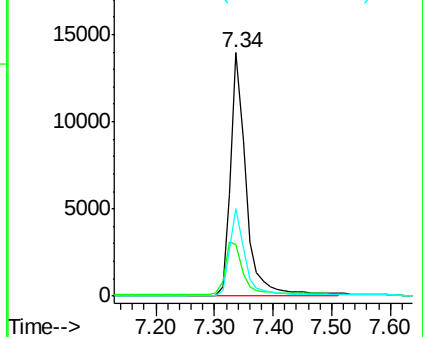
71 35.3 28.9 43.3

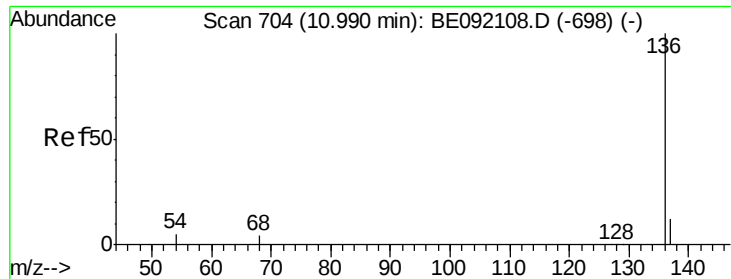


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 704

Delta R.T. -0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Instrument :

BNA_E

ClientSampleId :

PB92496BL

Tgt Ion:136 Resp: 46951

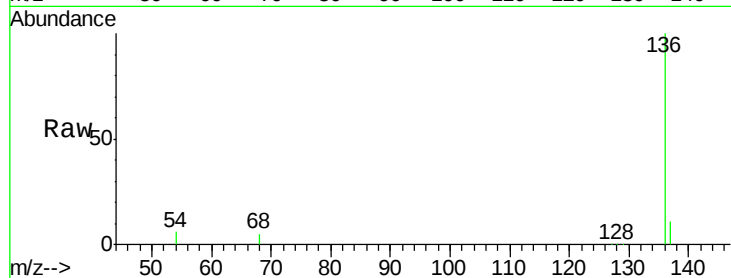
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.1 2.7 4.1#

68 4.8 2.2 3.4#

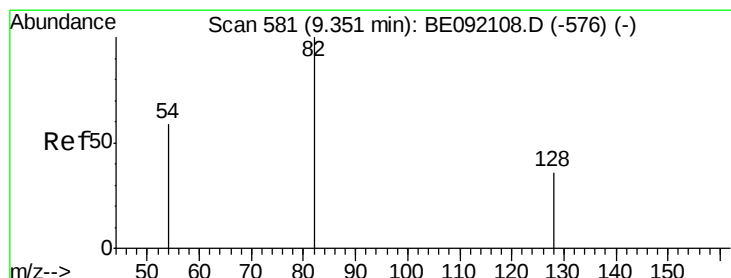
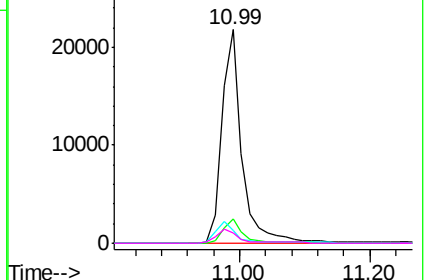
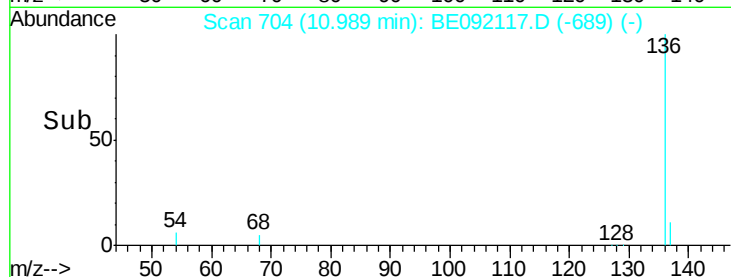


Abundance Ion 136.00 (135.70 to 136.70): E

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



#7

Nitrobenzene-d5

Concen: 2.91 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

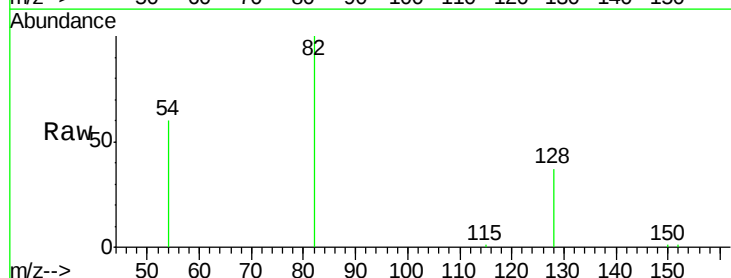
Tgt Ion: 82 Resp: 10799

Ion Ratio Lower Upper

82 100

128 37.5 33.0 49.4

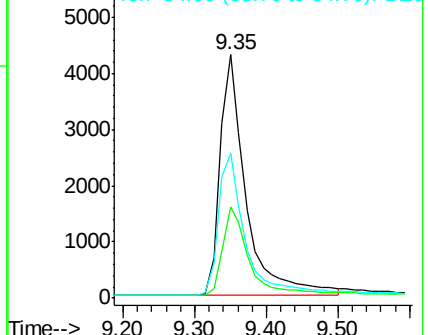
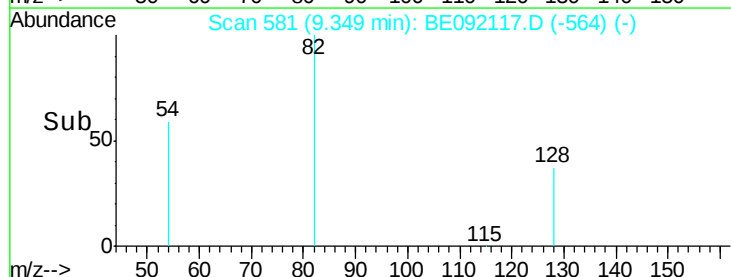
54 59.8 42.6 63.8

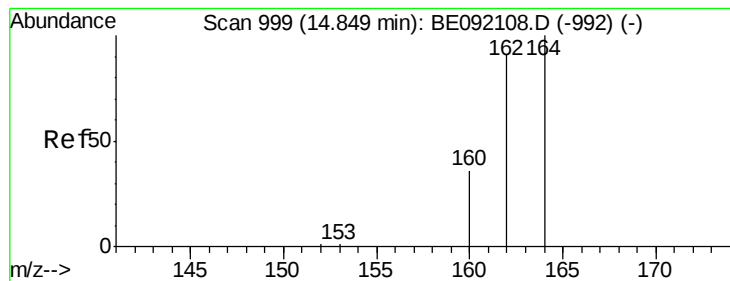


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.85 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Instrument :

BNA_E

ClientSampleId :

PB92496BL

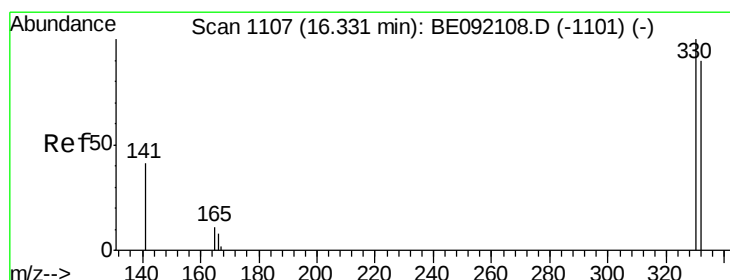
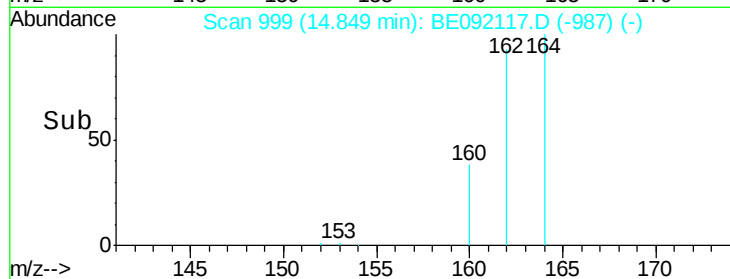
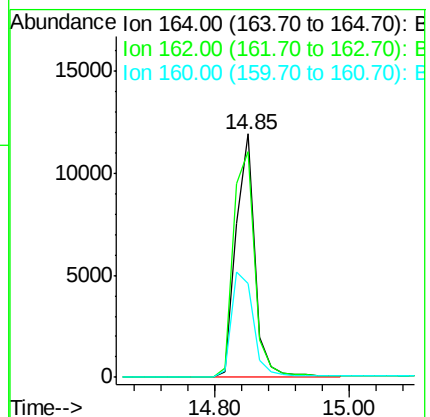
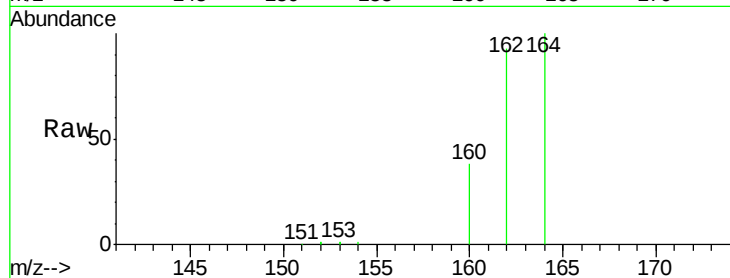
Tgt Ion:164 Resp: 22980

Ion Ratio Lower Upper

164 100

162 92.6 69.5 104.3

160 38.4 27.6 41.4



#11

2,4,6-Tribromophenol

Concen: 5.78 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

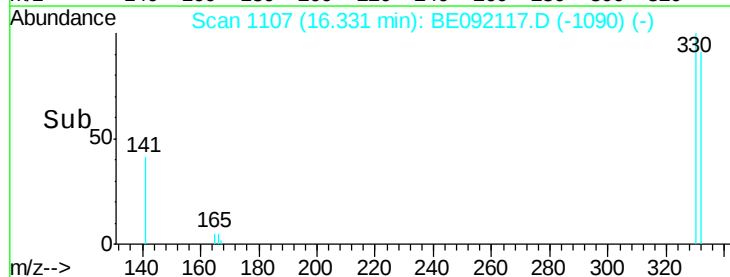
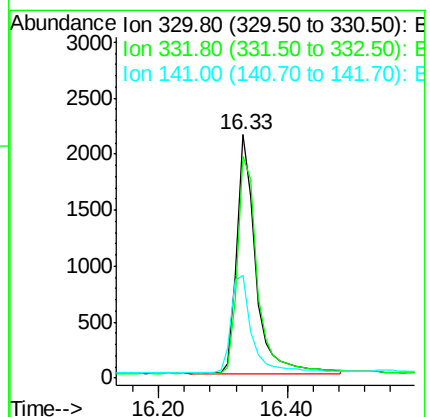
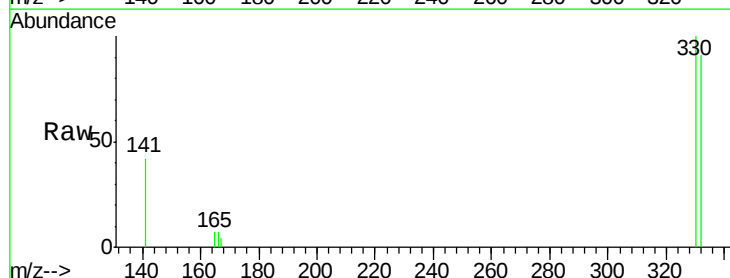
Tgt Ion:330 Resp: 4315

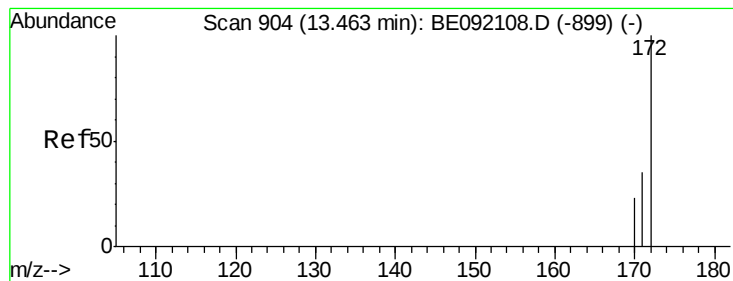
Ion Ratio Lower Upper

330 100

332 96.6 74.2 111.4

141 44.3 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 3.32 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Instrument :

BNA_E

ClientSampleId :

PB92496BL

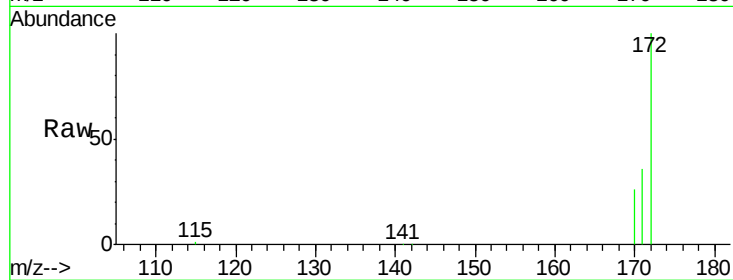
Tgt Ion:172 Resp: 24187

Ion Ratio Lower Upper

172 100

171 36.3 30.3 45.5

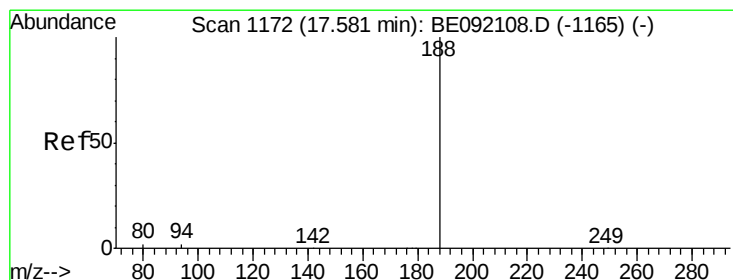
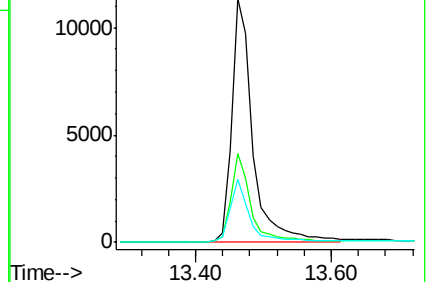
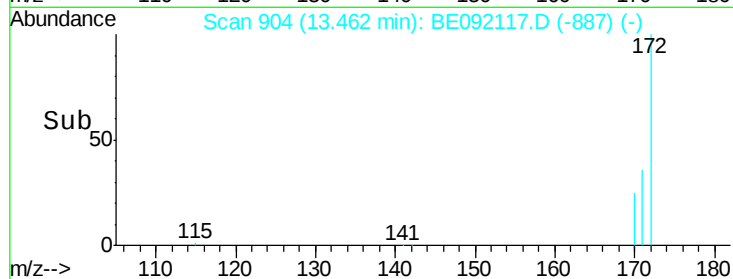
170 25.7 21.6 32.4



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



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

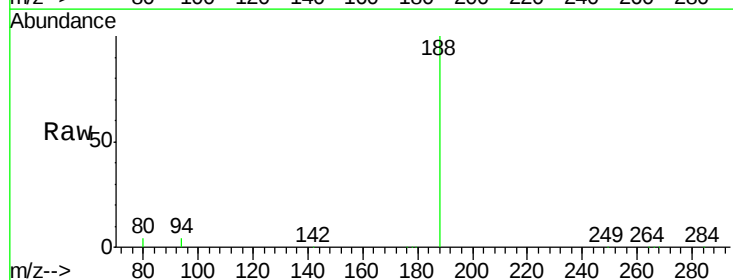
Tgt Ion:188 Resp: 47450

Ion Ratio Lower Upper

188 100

94 3.9 3.9 5.9#

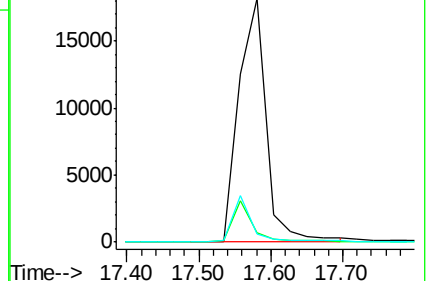
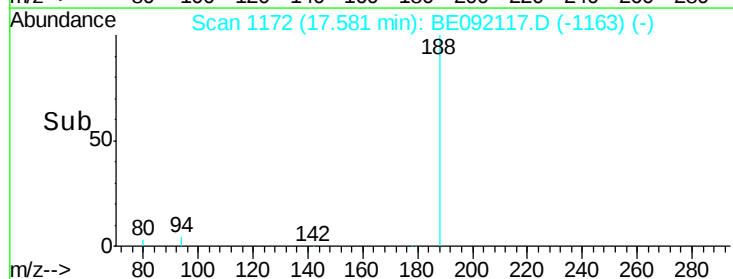
80 3.5 3.4 5.0

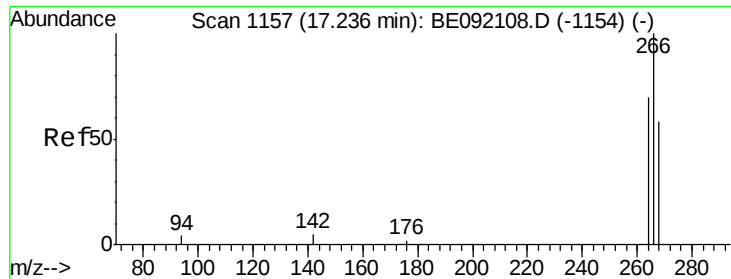


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

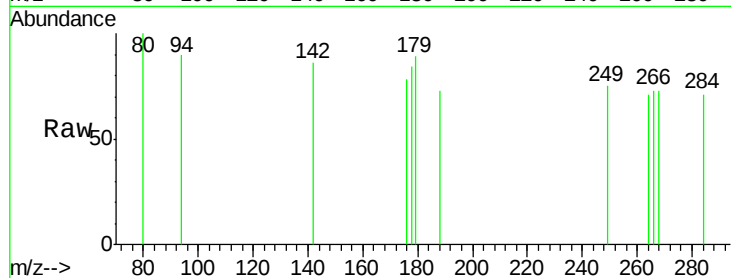




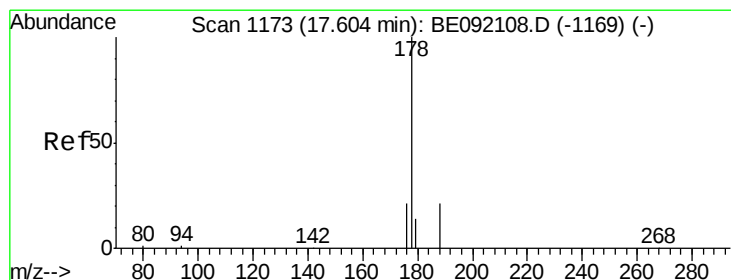
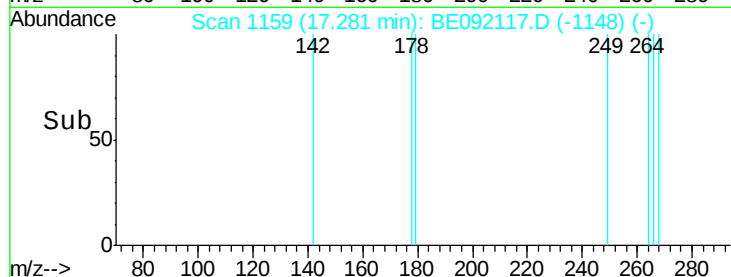
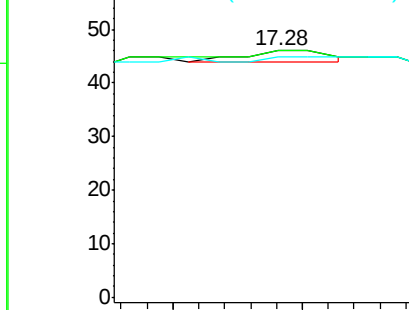
#18
 Pentachlorophenol
 Concen: 0.20 ng
 RT: 17.28 min Scan# 1159
 Delta R.T. 0.05 min
 Lab File: BE092117.D
 Acq: 2 Aug 2016 18:52

Instrument :
 BNA_E
 ClientSampleId :
 PB92496BL

Tgt Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 268 100.0 62.7 94.1#
 264 97.8 63.5 95.3#

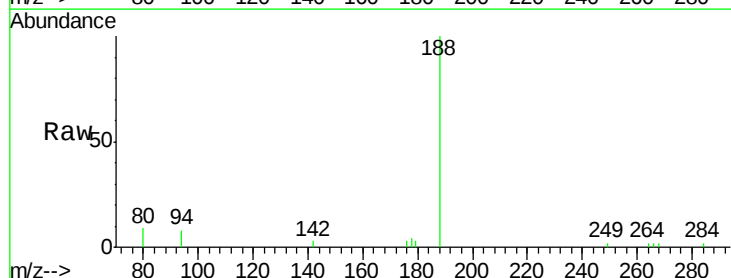


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

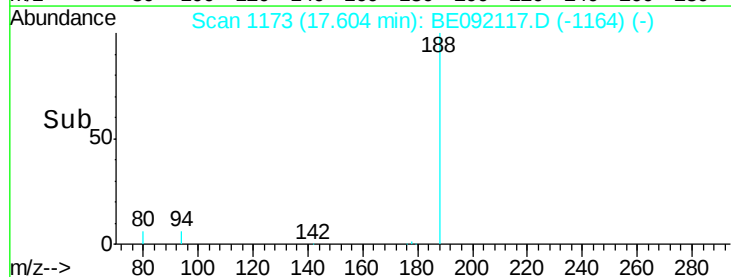
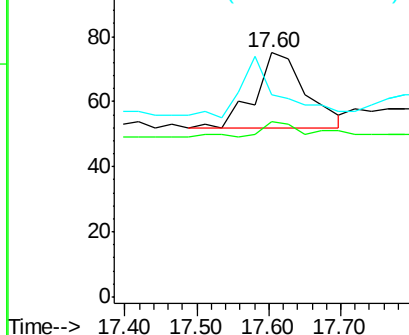


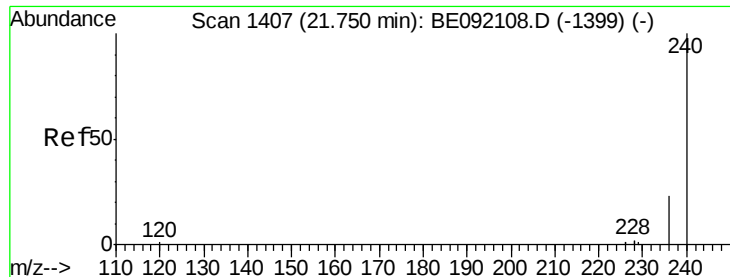
#19
 Phenanthrene
 Concen: Below Cal
 RT: 17.60 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BE092117.D
 Acq: 2 Aug 2016 18:52

Tgt Ion:178 Resp: 112
 Ion Ratio Lower Upper
 178 100
 176 22.3 15.4 23.0
 179 0.0 12.7 19.1#



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

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Instrument :

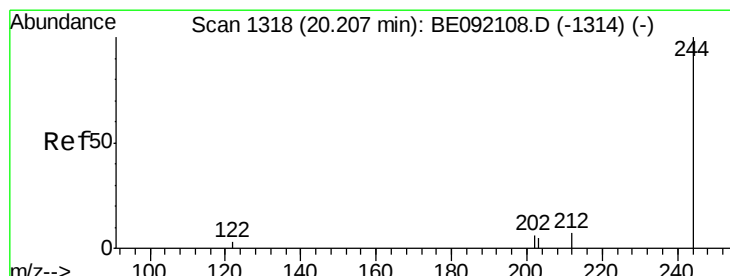
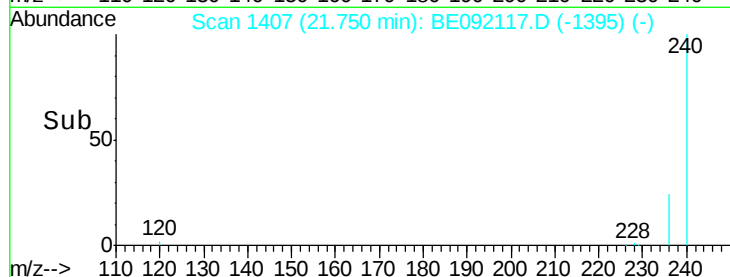
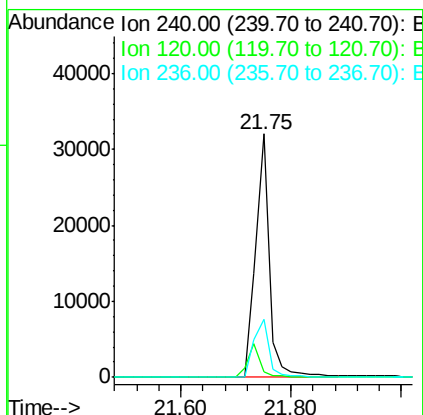
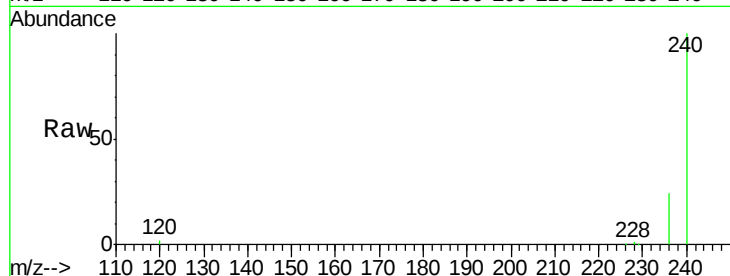
BNA_E

ClientSampleId :

PB92496BL

Tgt Ion:240 Resp: 54719

Ion	Ratio	Lower	Upper
240	100		
120	2.4	0.6	1.0#
236	24.0	18.2	27.4



#24

Terphenyl-d14

Concen: 3.54 ng

RT: 20.19 min Scan# 1317

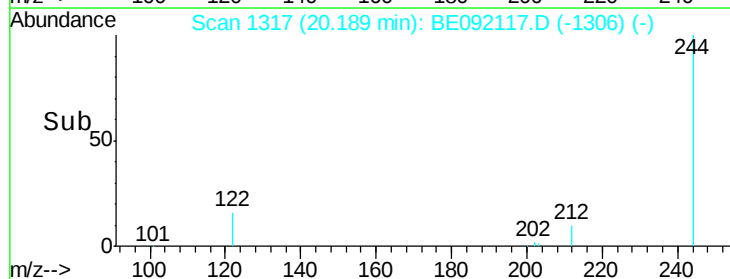
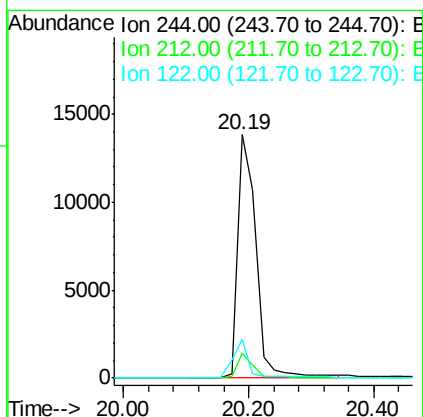
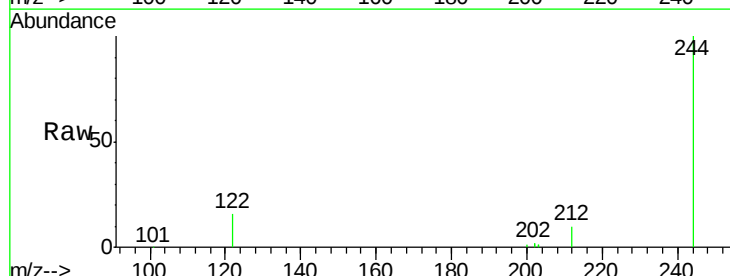
Delta R.T. -0.02 min

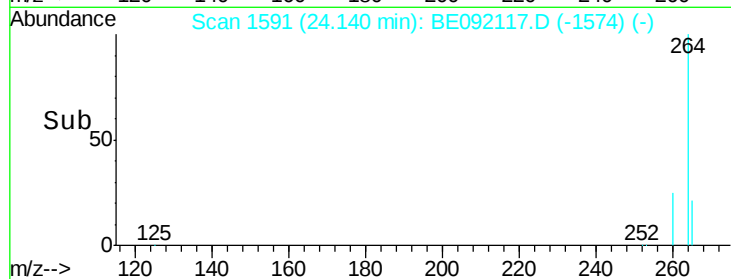
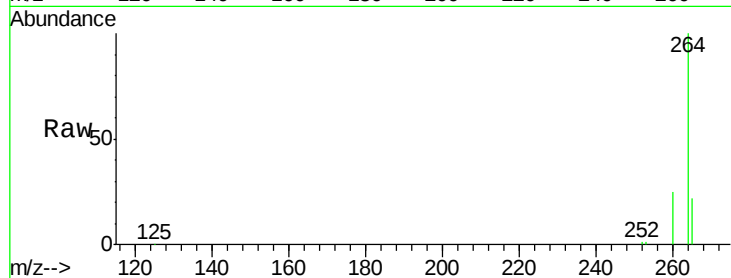
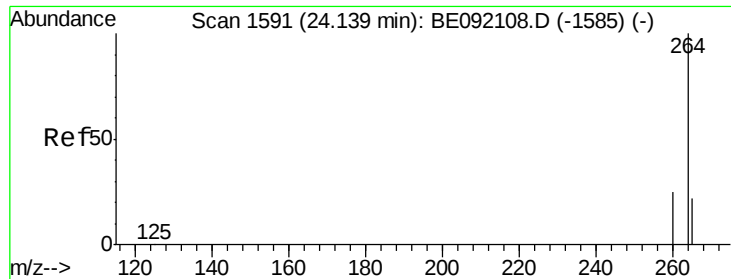
Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Tgt Ion:244 Resp: 27822

Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.1	13.7
122	16.1	11.0	16.4





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092117.D

Acq: 2 Aug 2016 18:52

Instrument :

BNA_E

ClientSampleId :

PB92496BL

Tgt Ion:264 Resp: 53643

Ion Ratio Lower Upper

264 100

260 25.2 20.8 31.2

265 21.8 16.6 25.0

