

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092190.D
 Acq On : 4 Aug 2016 19:57
 Operator : UM/SJ
 Sample : H4227-04RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS037-160725

Quant Time: Aug 05 03:14:21 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

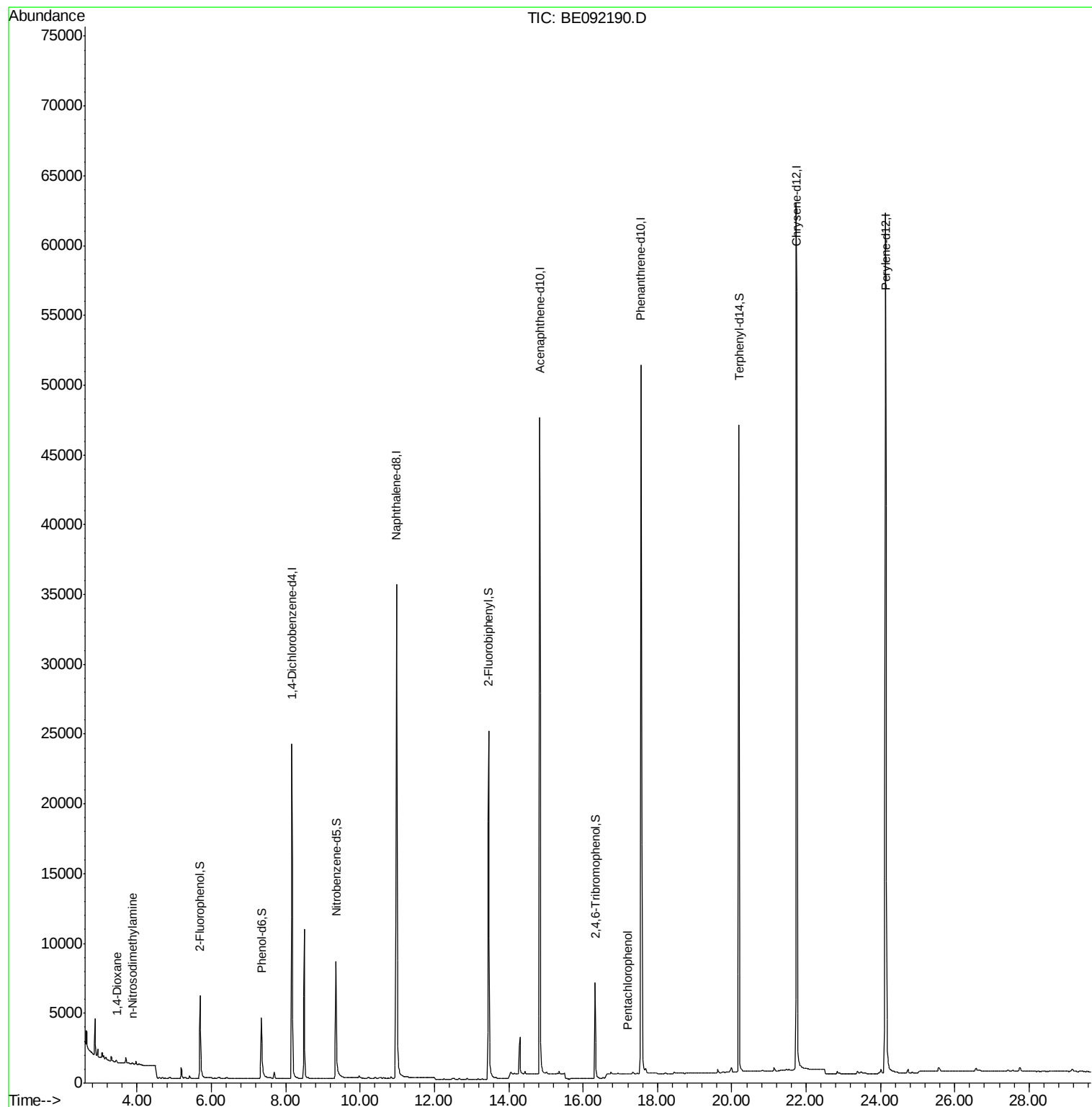
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12477	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	58050	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	32995	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	78687	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	92403	5.00	ng	0.00
28) Perylene-d12	24.14	264	91764	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	5589	1.74	ng	0.00
5) Phenol-d6	7.35	99	6286	1.47	ng	0.00
7) Nitrobenzene-d5	9.35	82	10663	2.33	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	5027	4.69	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	27819	2.66	ng	0.00
24) Terphenyl-d14	20.19	244	53565	4.04	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.45	88	113	0.07	ng	# 20
3) n-Nitrosodimethylamine	3.87	42	31	0.10	ng	# 23
8) Naphthalene	11.03	128	49	Below Cal		# 1
18) Pentachlorophenol	17.21	266	4	0.20	ng	# 75
19) Phenanthrene	17.61	178	205	Below Cal		# 79
30) Benzo(k)fluoranthene	23.46	252	58	Below Cal		# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160725

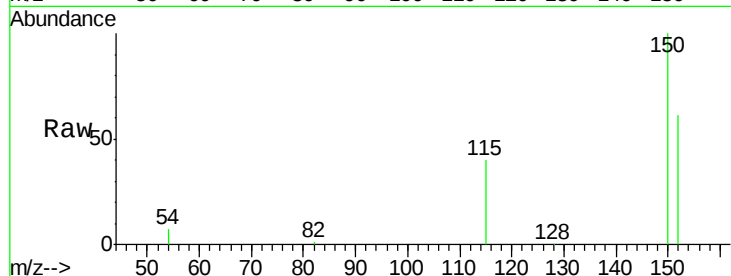
Tgt Ion:152 Resp: 12477

Ion Ratio Lower Upper

152 100

150 163.7 106.0 159.0#

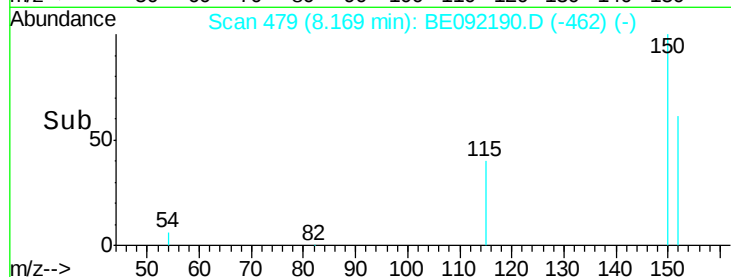
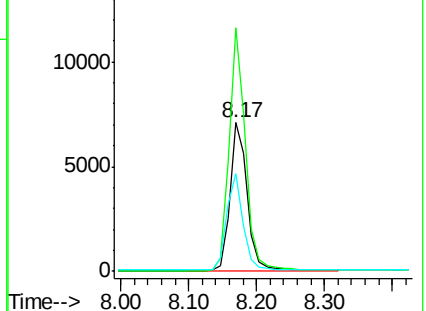
115 65.8 36.9 55.3#



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



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 3.45 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

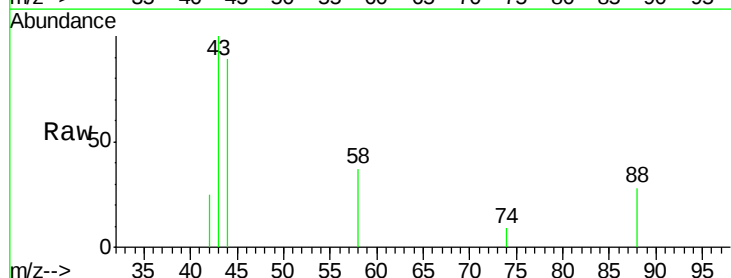
Tgt Ion: 88 Resp: 113

Ion Ratio Lower Upper

88 100

58 91.2 62.1 93.1

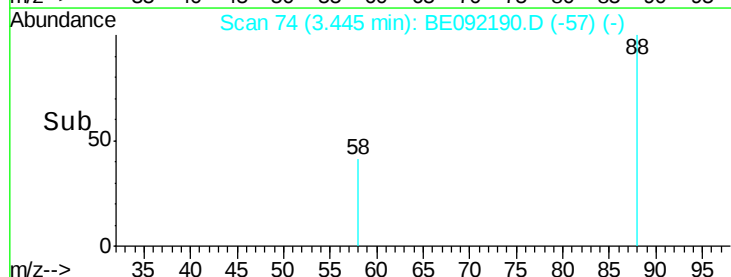
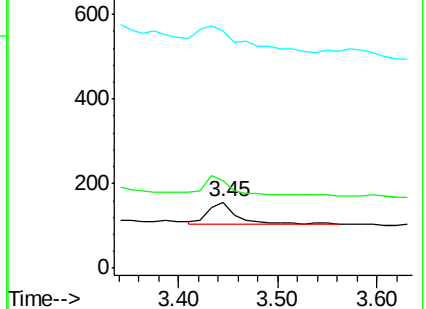
43 164.6 27.2 40.8#

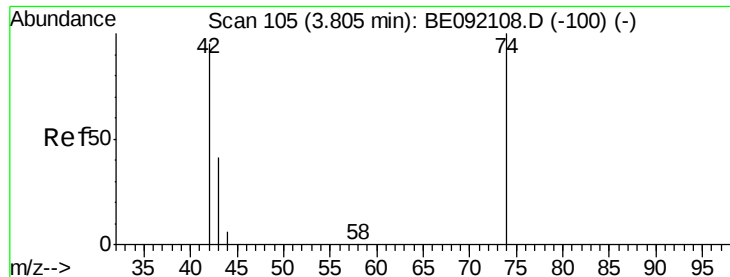


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.87 min Scan# 111

Delta R.T. 0.07 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160725

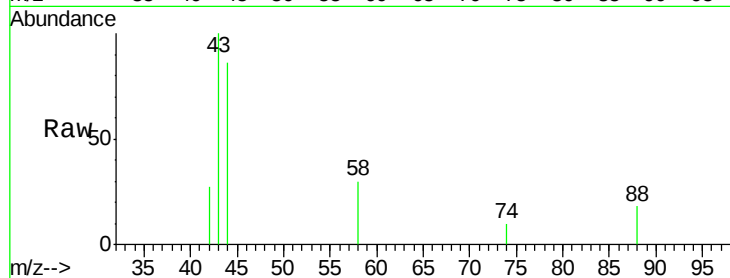
Tgt Ion: 42 Resp: 31

Ion Ratio Lower Upper

42 100

74 19.4 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

600

500

400

300

200

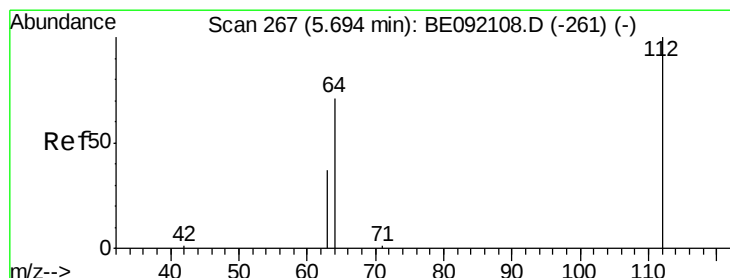
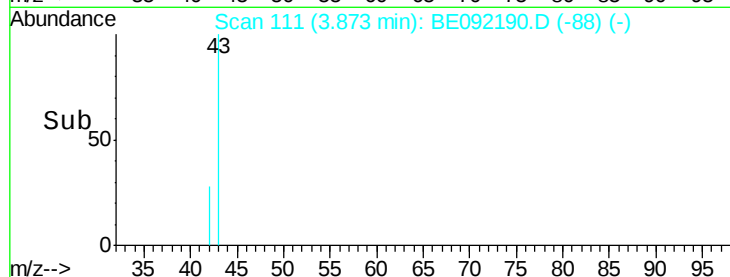
100

0

3.87

3.80 3.85 3.90 3.95

Time-->



#4

2-Fluorophenol

Concen: 1.74 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

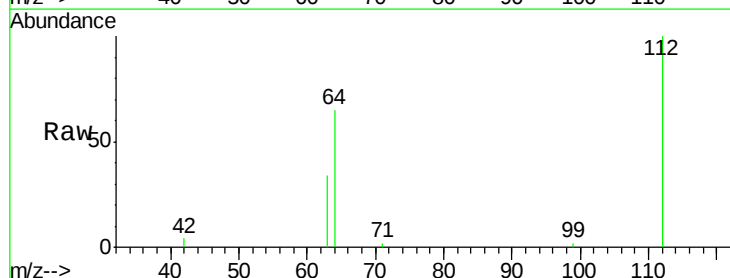
Tgt Ion: 112 Resp: 5589

Ion Ratio Lower Upper

112 100

64 66.4 55.9 83.9

63 36.3 31.1 46.7



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

4000

3000

2000

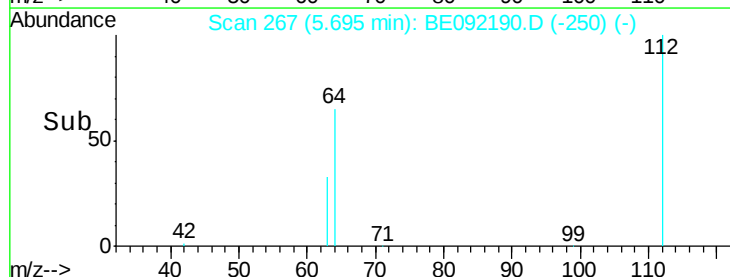
1000

0

5.69

5.60 5.70 5.80 5.90

Time-->





#5

Phenol-d6

Concen: 1.47 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160725

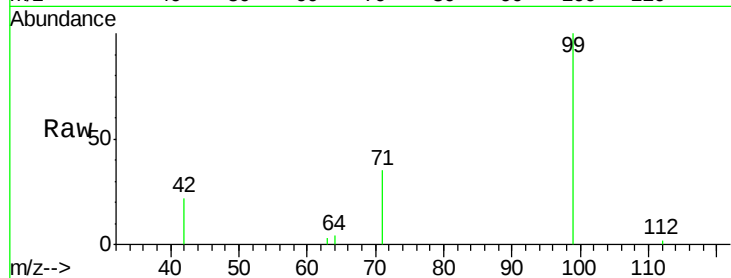
Tgt Ion: 99 Resp: 6286

Ion Ratio Lower Upper

99 100

42 25.3 22.4 33.6

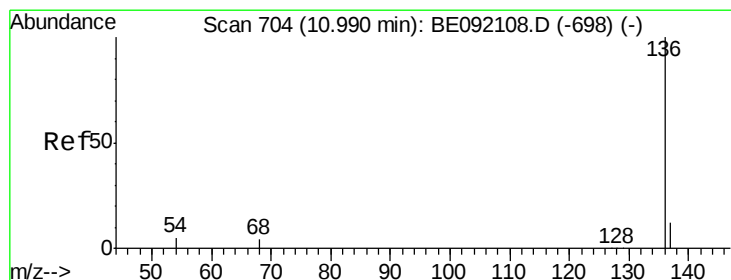
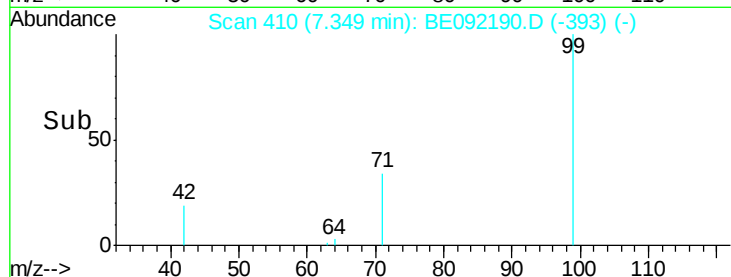
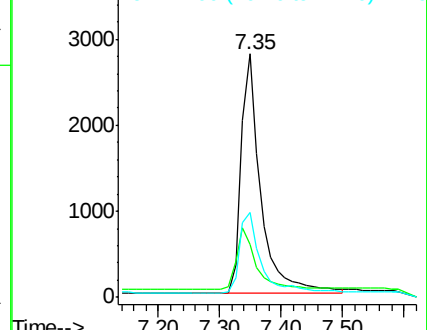
71 36.6 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

Tgt Ion: 136 Resp: 58050

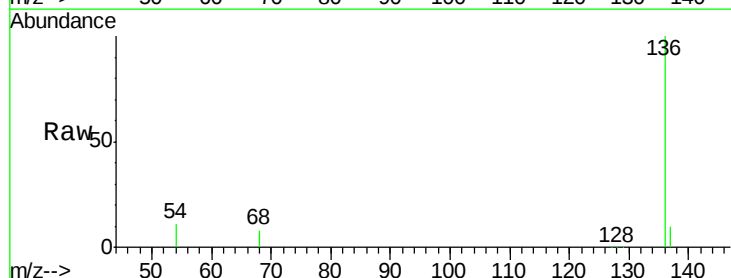
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 11.1 2.7 4.1#

68 7.6 2.2 3.4#

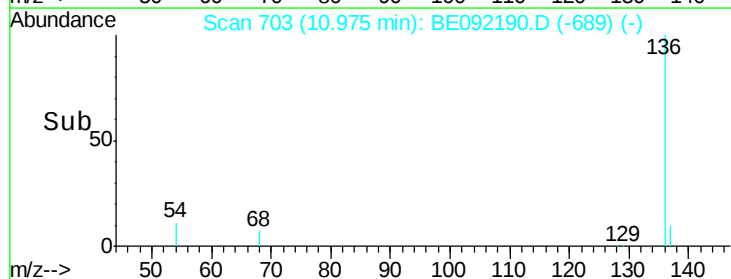
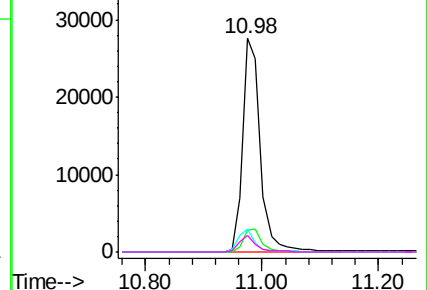


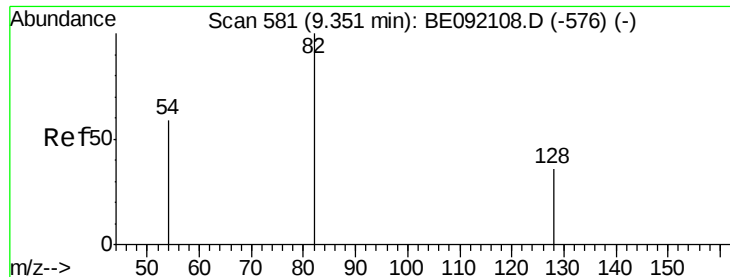
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

Ion 137.00 (136.70 to 137.70): BE092108.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092108.D (-698) (-)





#7

Nitrobenzene-d5

Concen: 2.33 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160725

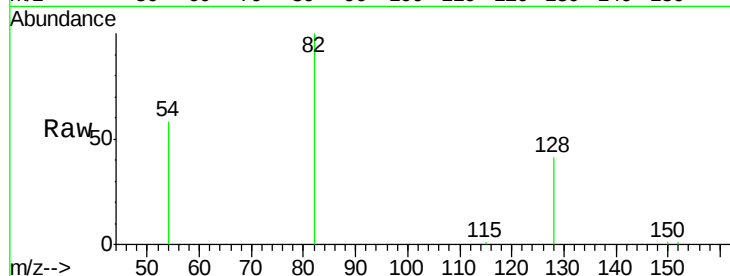
Tgt Ion: 82 Resp: 10663

Ion Ratio Lower Upper

82 100

128 40.7 33.0 49.4

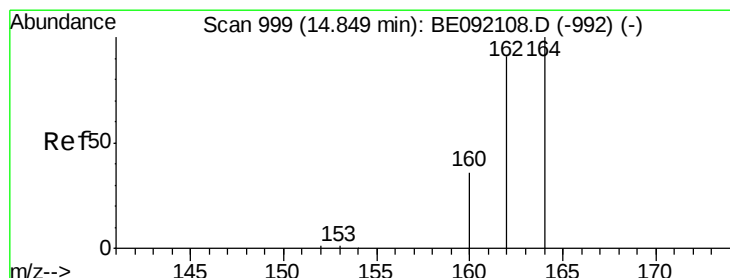
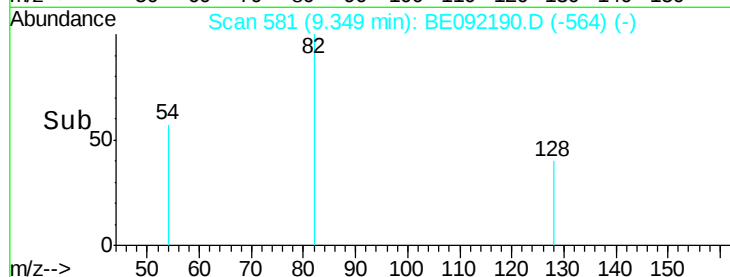
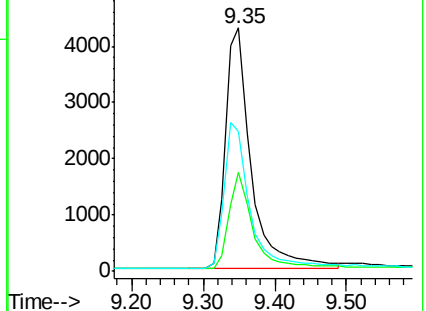
54 57.6 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE092108.D (-576) (-)

Ion 128.00 (127.70 to 128.70): BE092108.D (-576) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-576) (-)



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

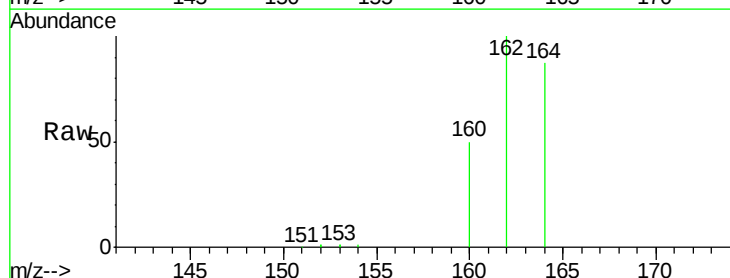
Tgt Ion: 164 Resp: 32995

Ion Ratio Lower Upper

164 100

162 115.2 69.5 104.3#

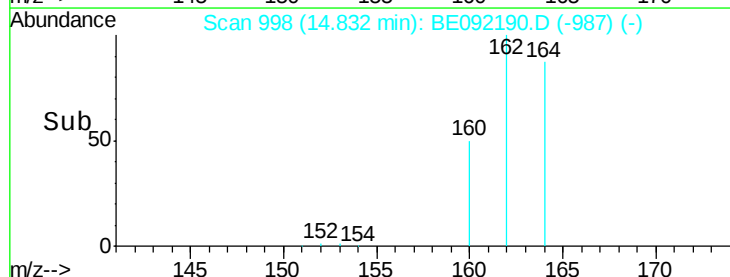
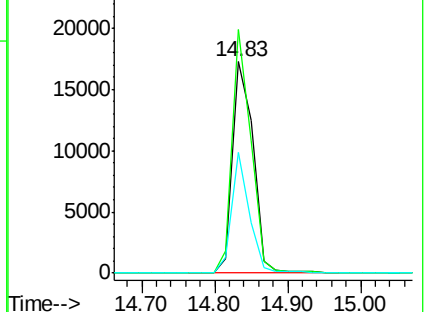
160 57.2 27.6 41.4#

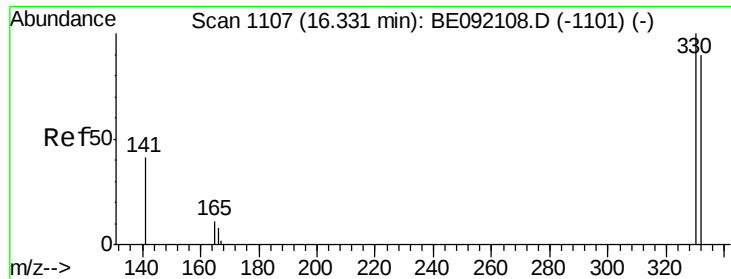


Abundance Ion 164.00 (163.70 to 164.70): BE092108.D (-992) (-)

Ion 162.00 (161.70 to 162.70): BE092108.D (-992) (-)

Ion 160.00 (159.70 to 160.70): BE092108.D (-992) (-)

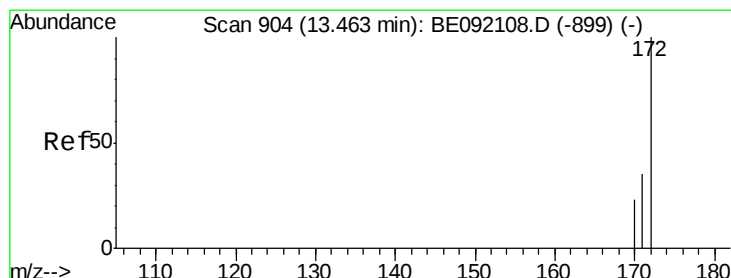
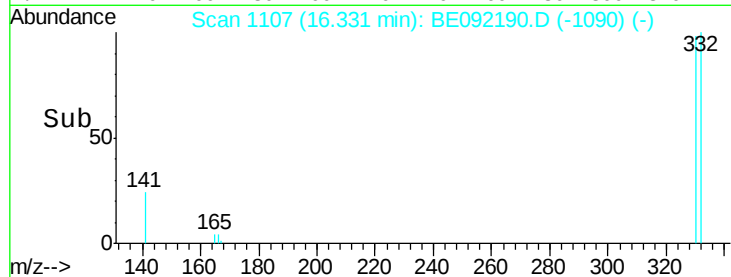
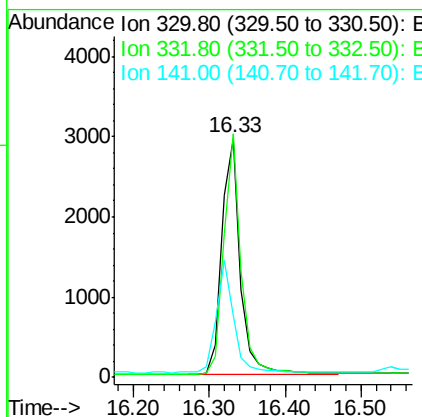
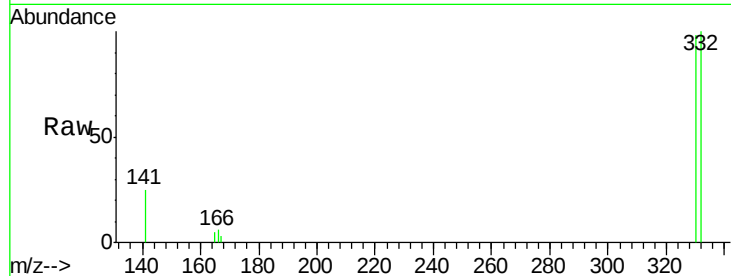




#11
 2,4,6-Tribromophenol
 Concen: 4.69 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092190.D
 Acq: 4 Aug 2016 19:57

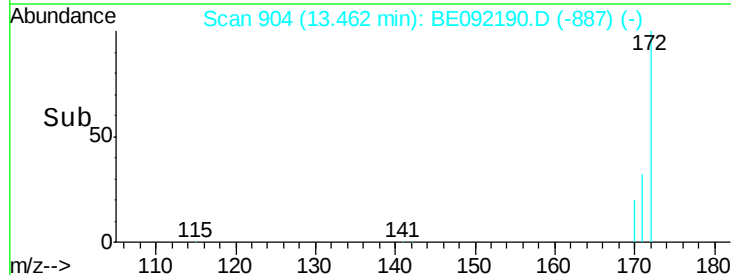
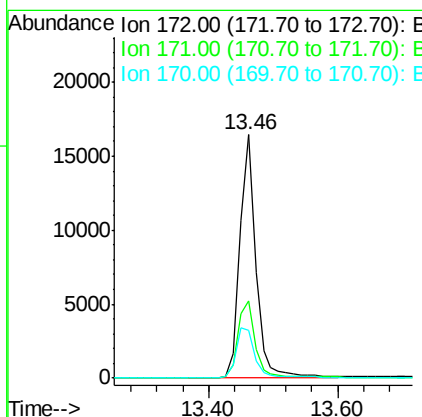
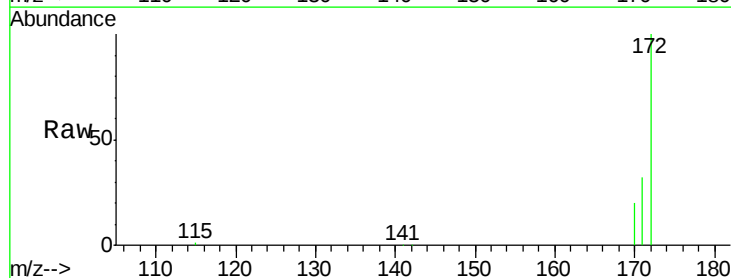
Instrument :
 BNA_E
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 KY038PS037-160725

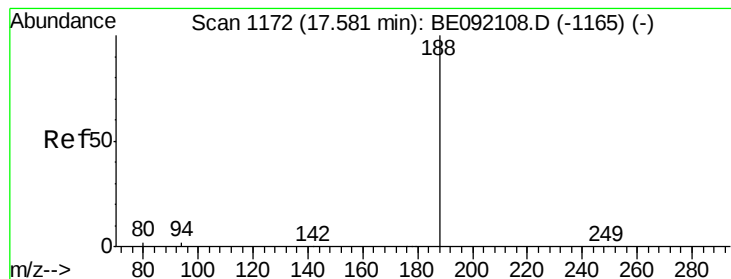
Tgt Ion:330 Resp: 5027
 Ion Ratio Lower Upper
 330 100
 332 96.3 74.2 111.4
 141 43.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 2.66 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092190.D
 Acq: 4 Aug 2016 19:57

Tgt Ion:172 Resp: 27819
 Ion Ratio Lower Upper
 172 100
 171 31.9 30.3 45.5
 170 19.9 21.6 32.4#





#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160725

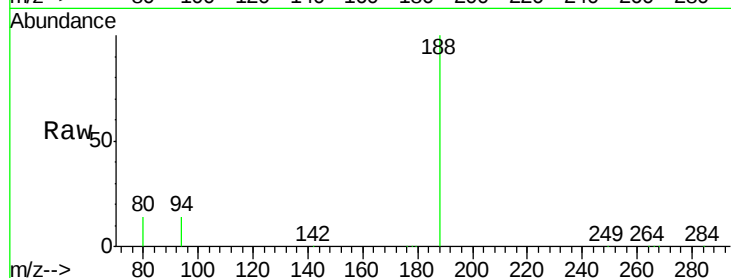
Tgt Ion:188 Resp: 78687

Ion Ratio Lower Upper

188 100

94 13.7 3.9 5.9#

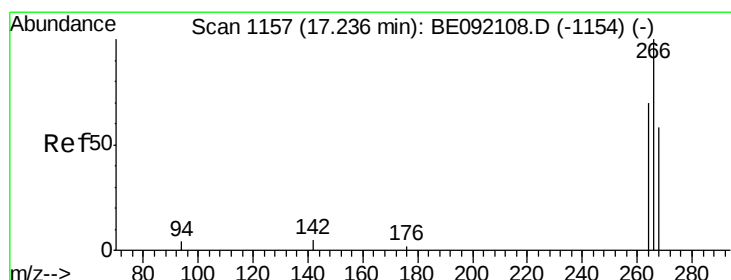
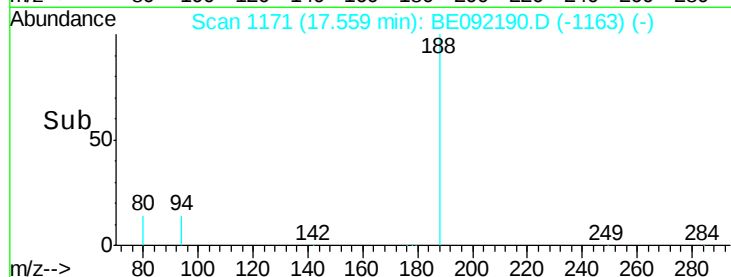
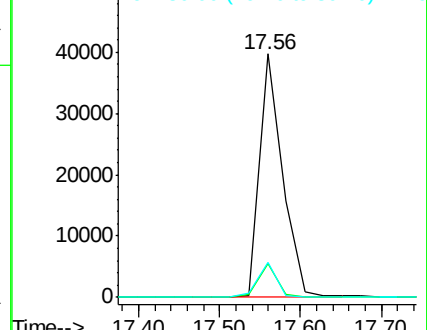
80 14.1 3.4 5.0#



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: 17.21 min Scan# 1156

Delta R.T. -0.02 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

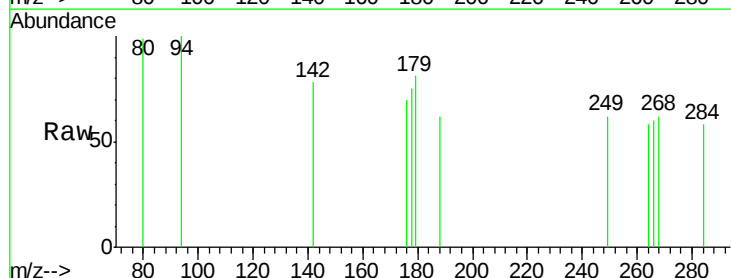
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

268 104.3 62.7 94.1#

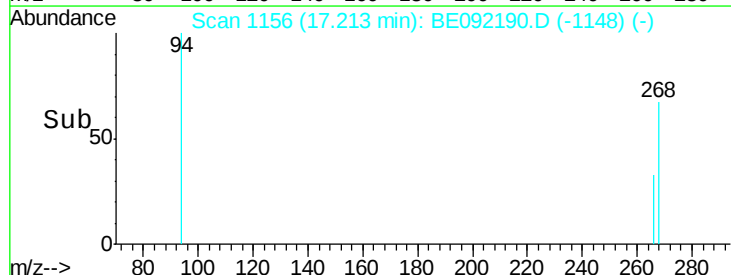
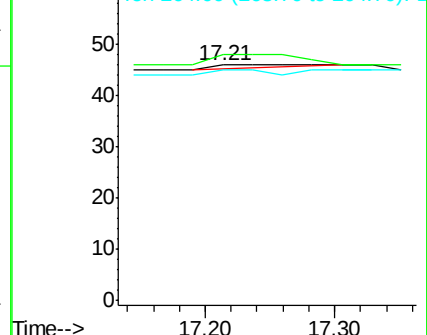
264 97.8 63.5 95.3#

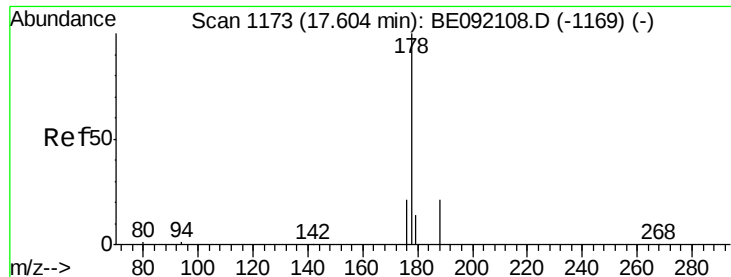


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#19

Phenanthrene

Concen: Below Cal

RT: 17.61 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160725

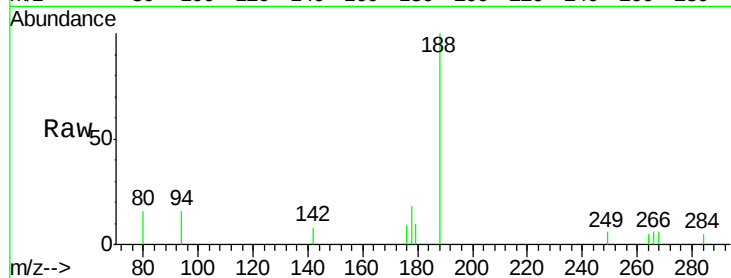
Tgt Ion:178 Resp: 205

Ion Ratio Lower Upper

178 100

176 22.4 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

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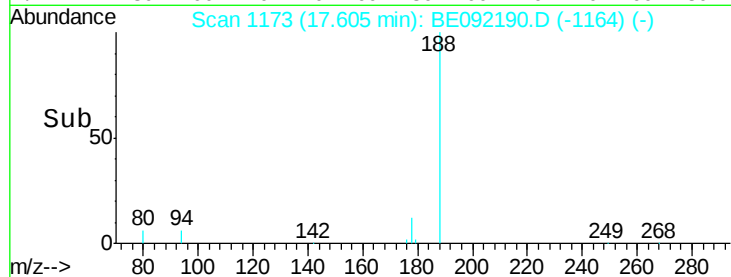
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17.61

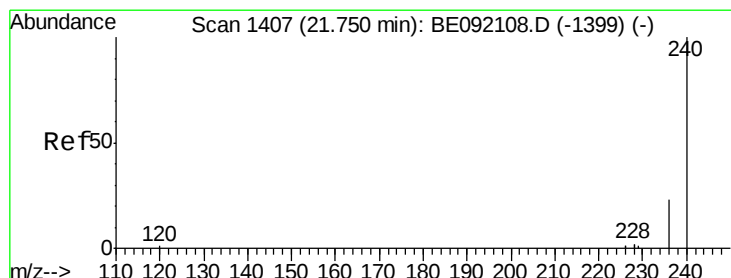
17.61

17.61

17.61



Time-->



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092190.D

Acq: 4 Aug 2016 19:57

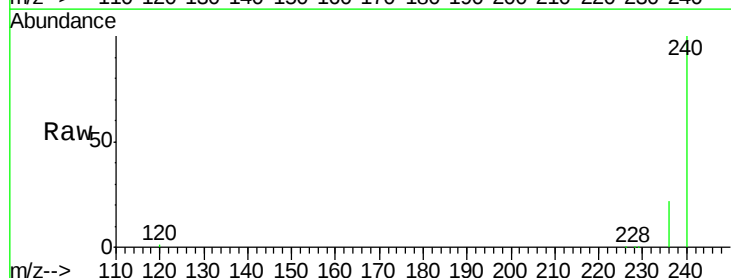
Tgt Ion:240 Resp: 92403

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

236 22.2 18.2 27.4



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

21.75

21.75

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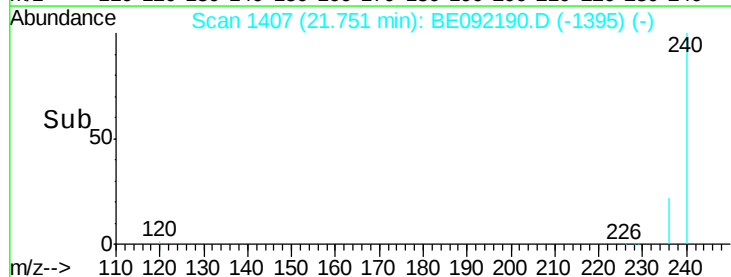
21.75

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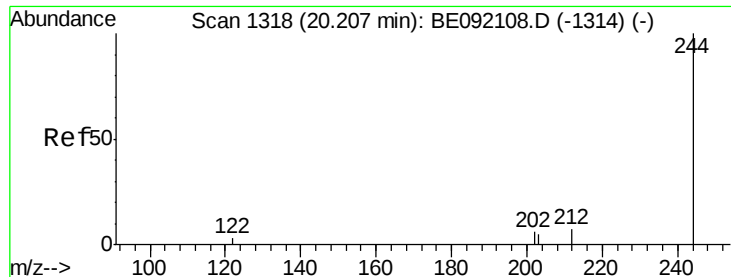
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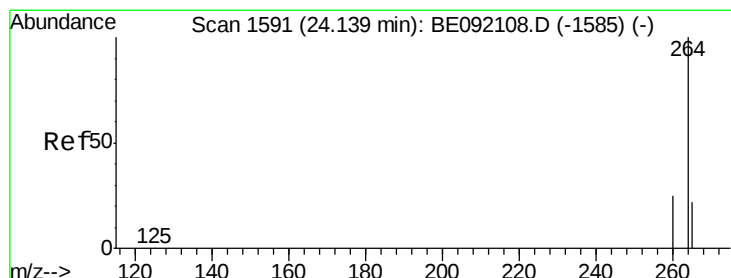
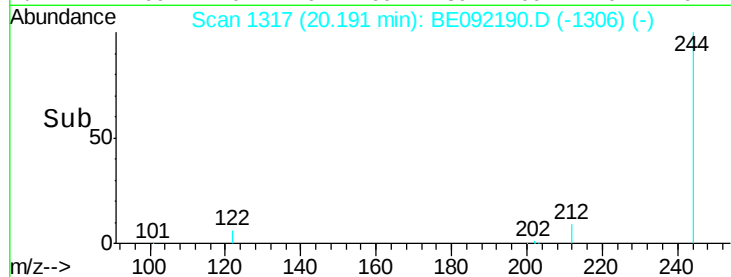
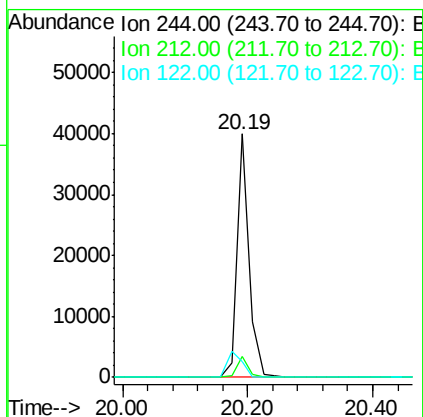
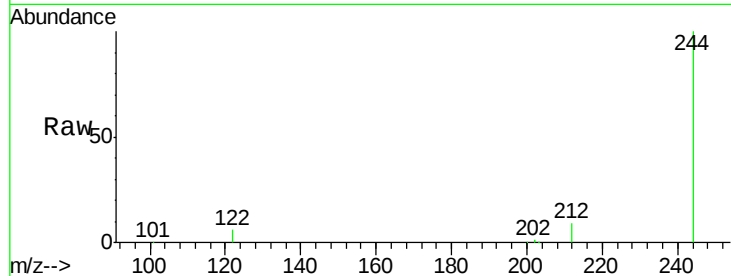
Time-->



#24
 Terphenyl-d14
 Concen: 4.04 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092190.D
 Acq: 4 Aug 2016 19:57

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS037-160725

Tgt Ion:244 Resp: 53565
 Ion Ratio Lower Upper
 244 100
 212 8.7 9.1 13.7#
 122 6.3 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: BE092190.D
 Acq: 4 Aug 2016 19:57

Tgt Ion:264 Resp: 91764
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.8 31.2
 265 22.0 16.6 25.0

