

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092215.D
 Acq On : 5 Aug 2016 12:06
 Operator : UM/SJ
 Sample : PB92633BS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 05 17:17:38 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

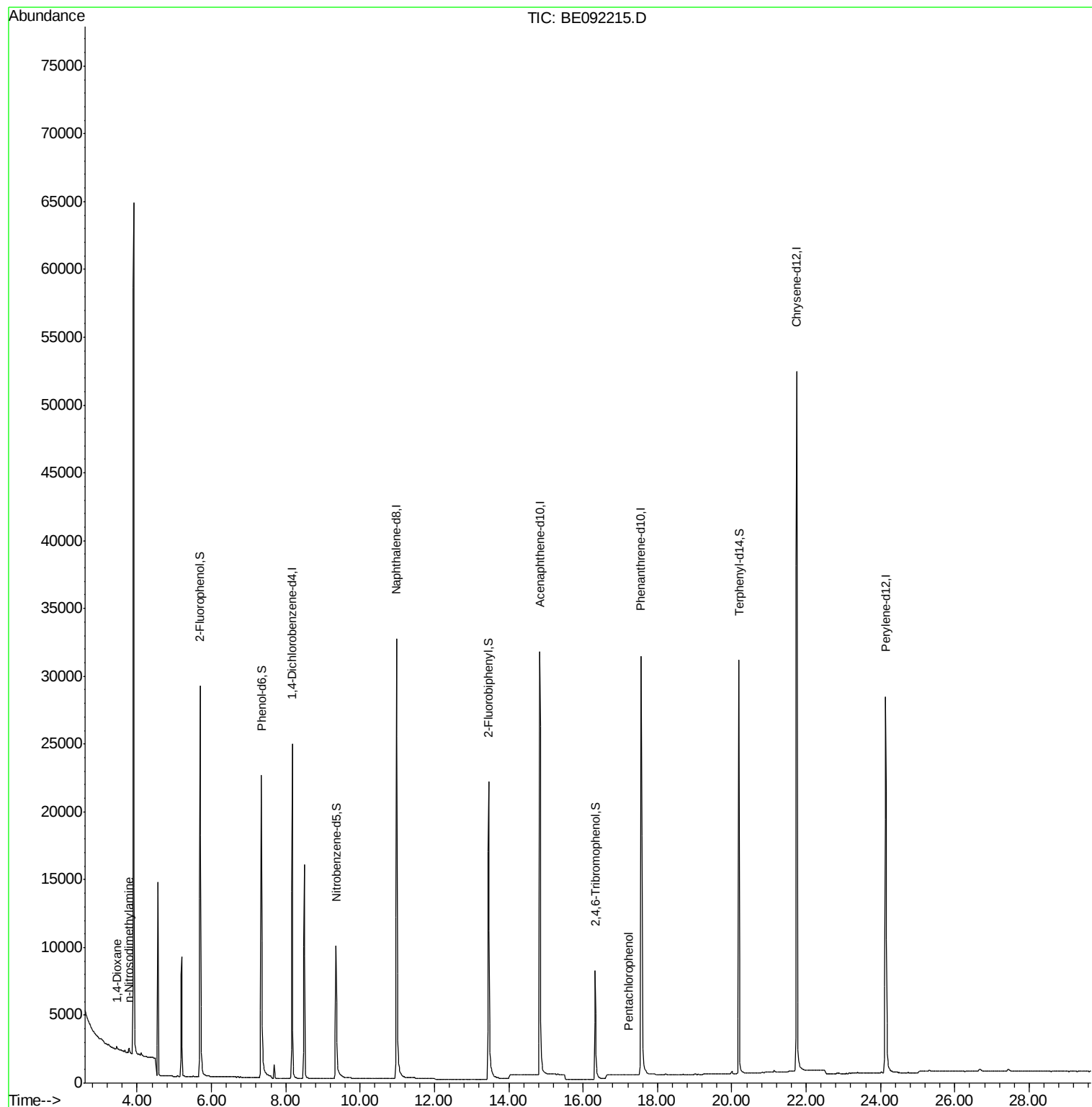
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12764	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	54529	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26428	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58344	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	71259	5.00	ng	0.00
28) Perylene-d12	24.14	264	41579	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	24128	7.36	ng	0.00
5) Phenol-d6	7.35	99	28861	6.61	ng	0.00
7) Nitrobenzene-d5	9.35	82	13015	3.02	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	6060	7.06	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	28250	3.37	ng	0.00
24) Terphenyl-d14	20.19	244	37303	3.65	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.46	88	400	0.23	ng	# 77
3) n-Nitrosodimethylamine	3.78	42	155	0.15	ng	# 6
8) Naphthalene	11.03	128	38	Below Cal		# 1
18) Pentachlorophenol	17.24	266	3	0.20	ng	# 76
19) Phenanthrene	17.60	178	83	Below Cal		# 82
30) Benzo(k)fluoranthene	23.46	252	69	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: BE092215.D

Acq: 5 Aug 2016 12:06

Instrument :

BNA_E

ClientSampleId :

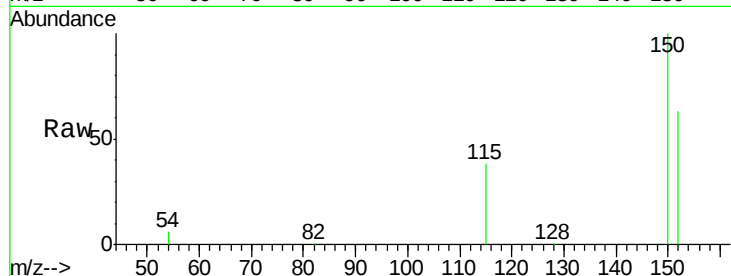
Tot Ion:152 Resp: 12764

Ion Ratio Lower Upper

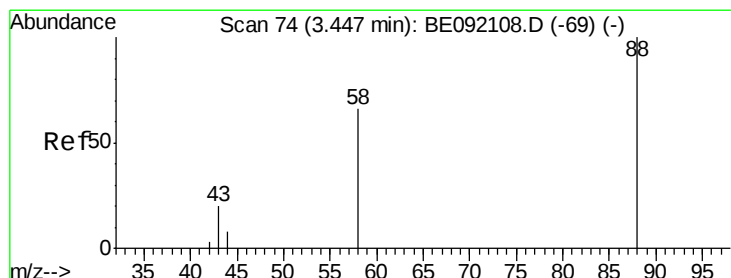
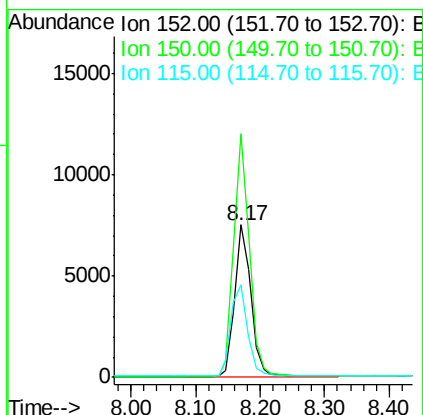
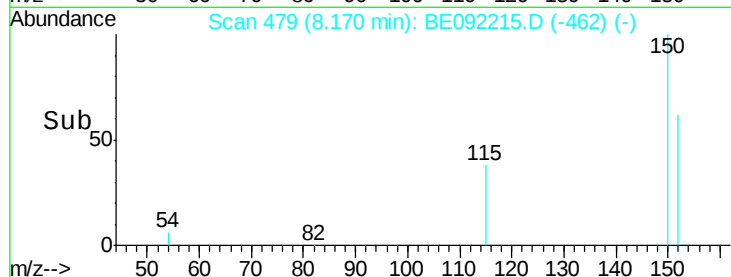
152 100

150 159.8 106.0 159.0#

115 61.0 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: 0.23 ng

RT: 3.46 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE092215.D

Acq: 5 Aug 2016 12:06

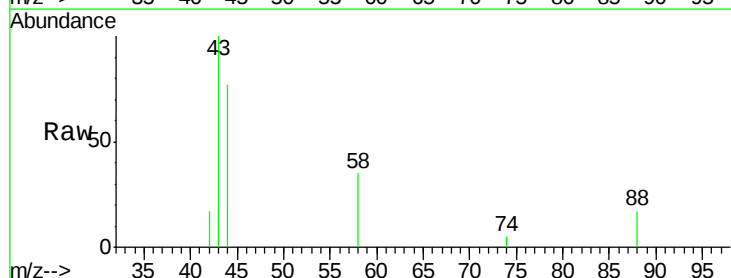
Tgt Ion: 88 Resp: 400

Ion Ratio Lower Upper

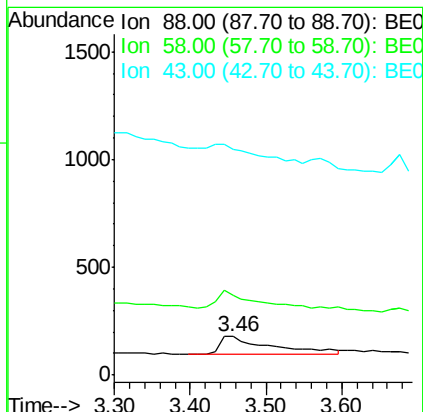
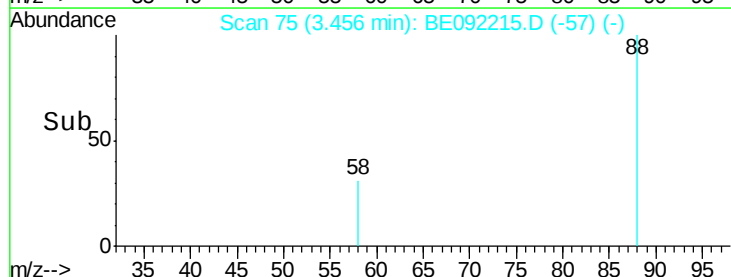
88 100

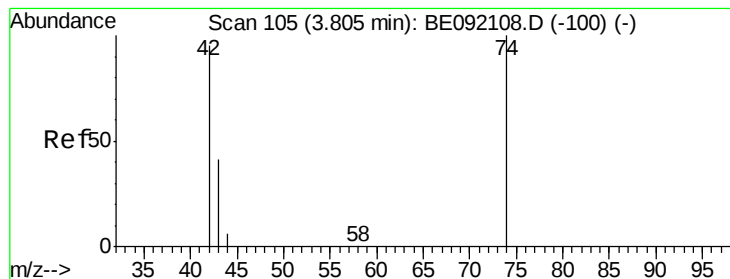
58 71.3 62.1 93.1

43 0.0 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



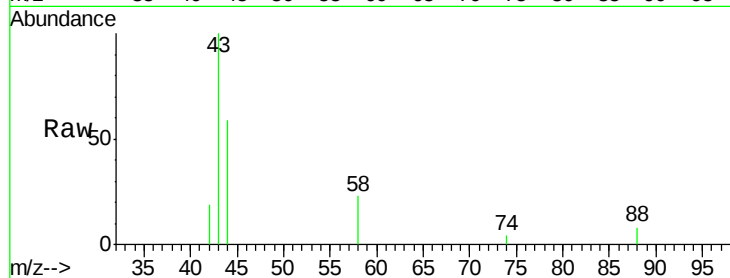


#3

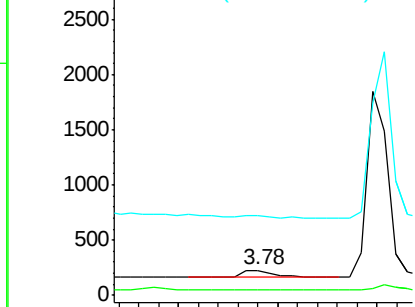
n-Nitrosodimethylamine
 Concen: 0.15 ng
 RT: 3.78 min Scan# 103
 Delta R.T. -0.03 min
 Lab File: BE092215.D
 Acq: 5 Aug 2016 12:06

Instrument :
 BNA_E
 ClientSampled :

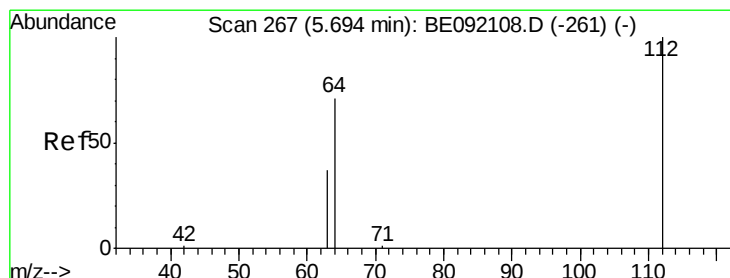
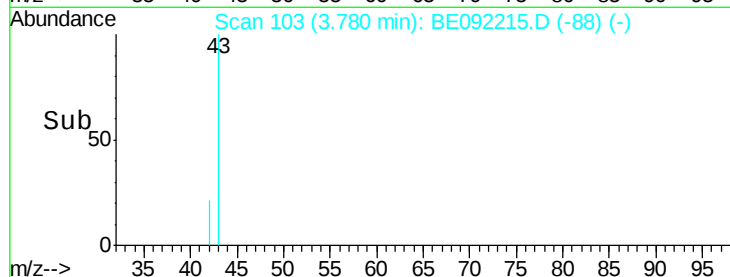
Tot Ion: 42 Resp: 155
 Ion Ratio Lower Upper
 42 100
 74 0.0 82.8 124.2#
 44 0.0 9.0 13.4#



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



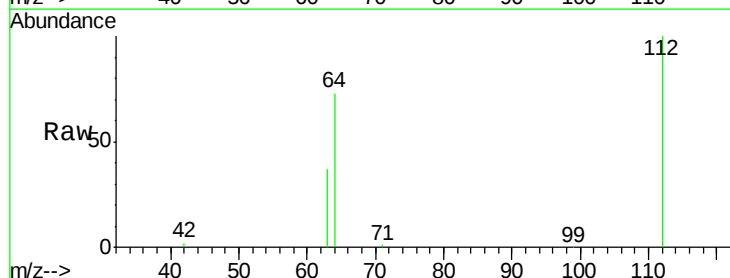
Time-->



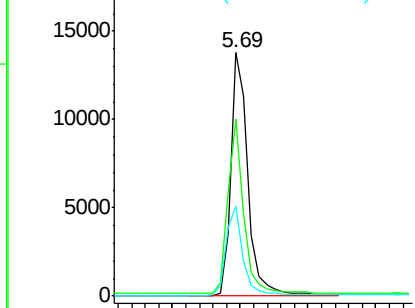
#4

2-Fluorophenol
 Concen: 7.36 ng
 RT: 5.69 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: BE092215.D
 Acq: 5 Aug 2016 12:06

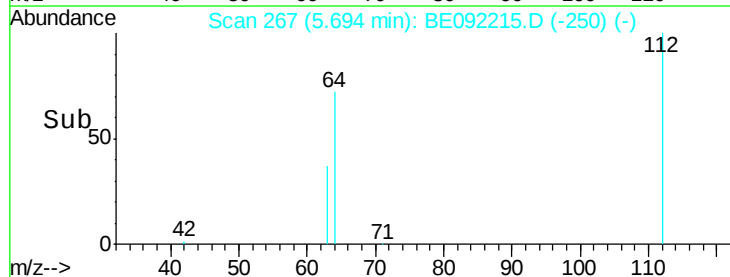
Tgt Ion: 112 Resp: 24128
 Ion Ratio Lower Upper
 112 100
 64 67.1 55.9 83.9
 63 36.1 31.1 46.7



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



Time-->





#5

Phenol-d6

Concen: 6.61 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092215.D

Acq: 5 Aug 2016 12:06

Instrument :

BNA_E

ClientSampleId :

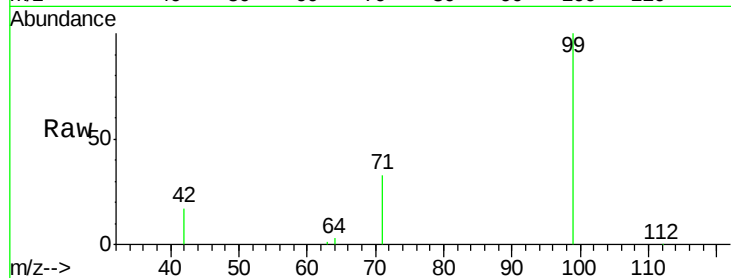
Tot Ion: 99 Resp: 28861

Ion Ratio Lower Upper

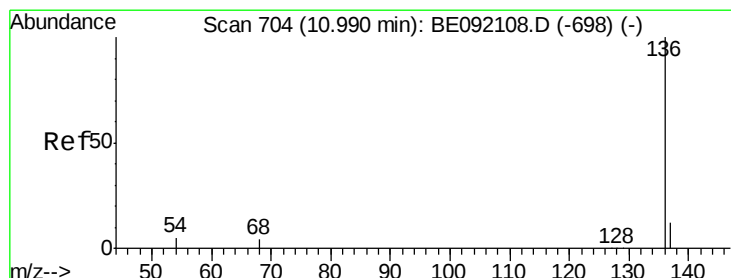
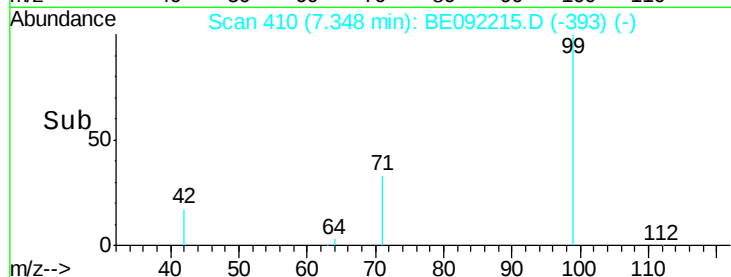
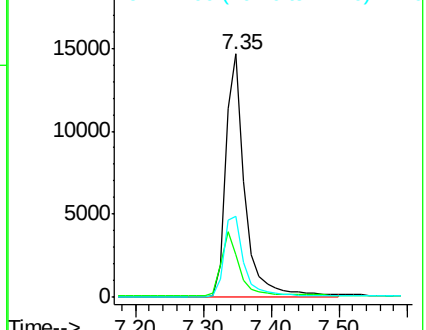
99 100

42 25.3 22.4 33.6

71 35.5 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: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092215.D

Acq: 5 Aug 2016 12:06

Tgt Ion: 136 Resp: 54529

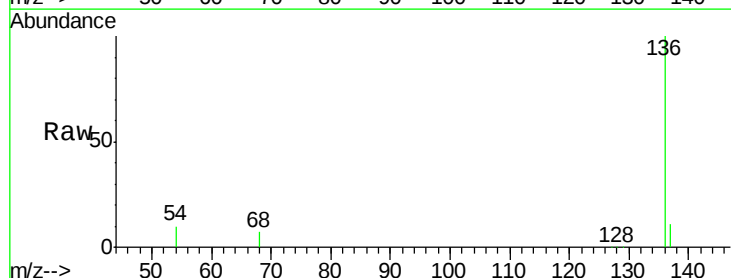
Ion Ratio Lower Upper

136 100

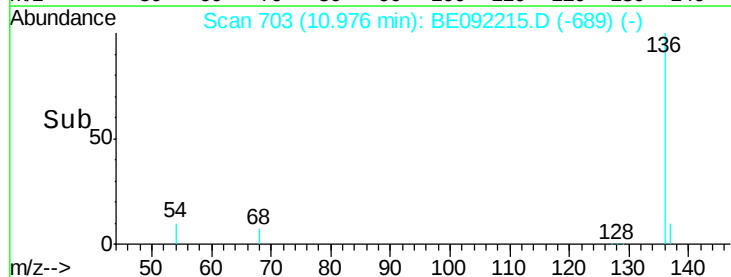
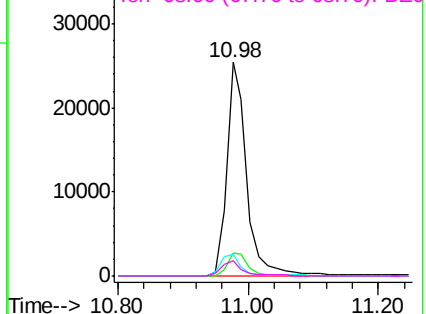
137 10.6 9.1 13.7

54 10.4 2.7 4.1#

68 7.3 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: 3.02 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092215.D

Acq: 5 Aug 2016 12:06

Instrument :

BNA_E

ClientSampleId :

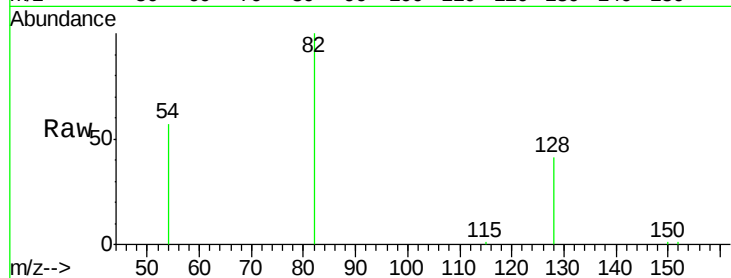
Tot Ion: 82 Resp: 13015

Ion Ratio Lower Upper

82 100

128 41.3 33.0 49.4

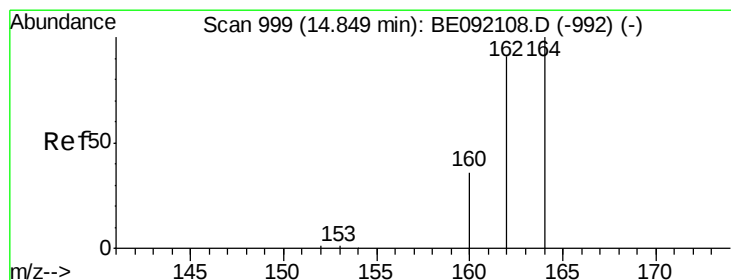
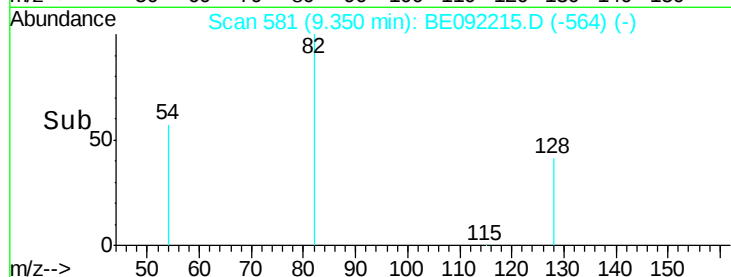
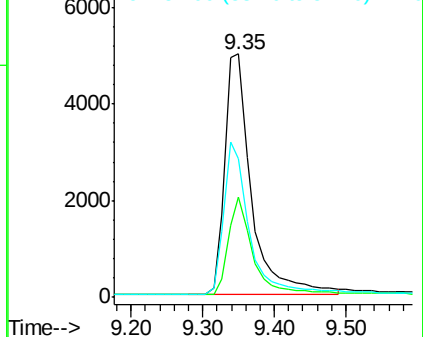
54 57.0 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092215.D

Acq: 5 Aug 2016 12:06

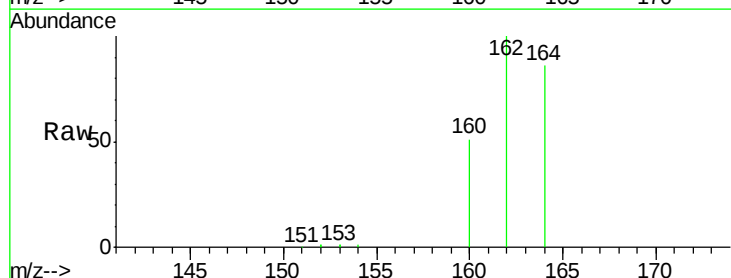
Tgt Ion: 164 Resp: 26428

Ion Ratio Lower Upper

164 100

162 115.7 69.5 104.3#

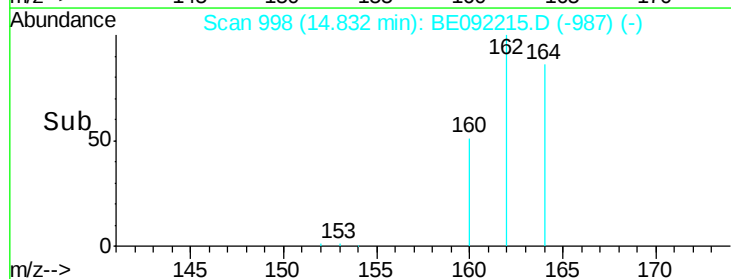
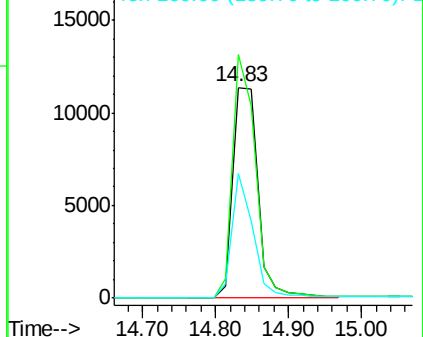
160 59.2 27.6 41.4#

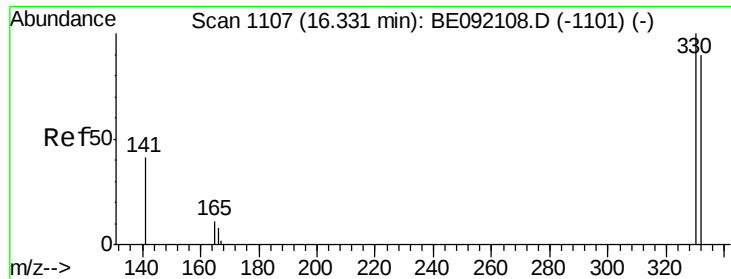


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

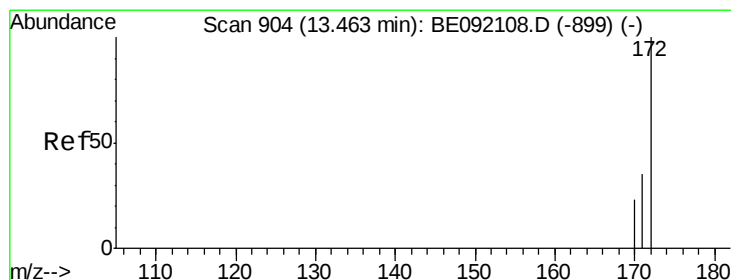
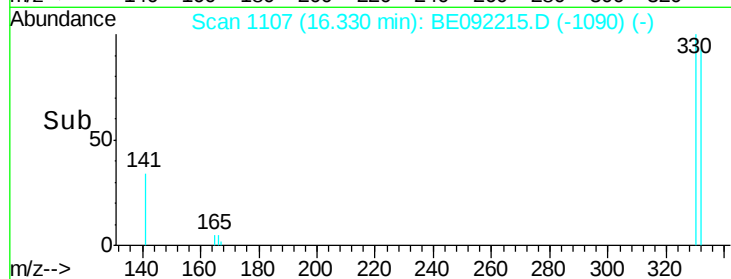
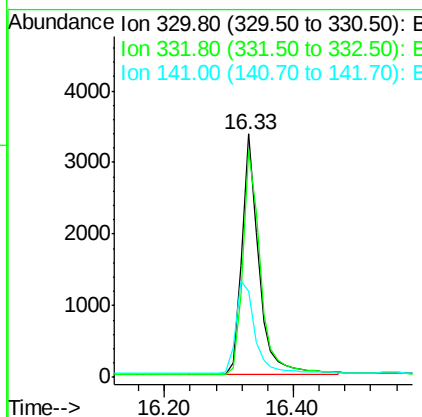
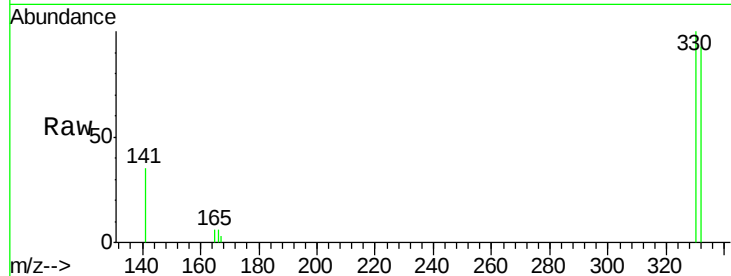




#11
 2,4,6-Tribromophenol
 Concen: 7.06 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092215.D
 Acq: 5 Aug 2016 12:06

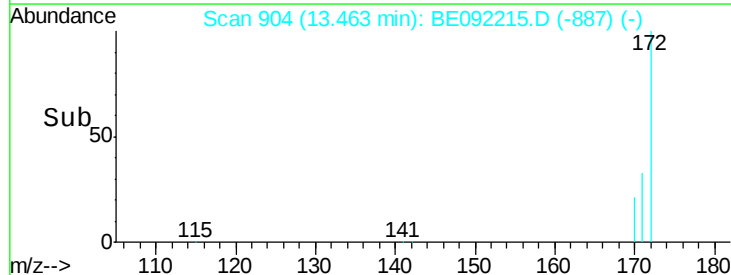
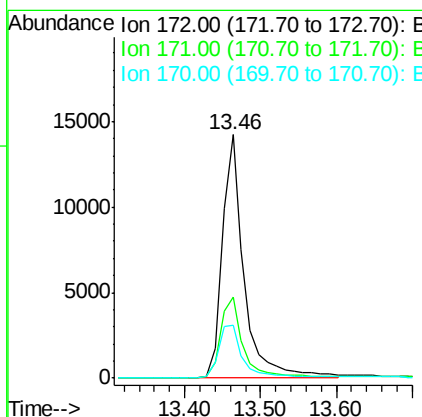
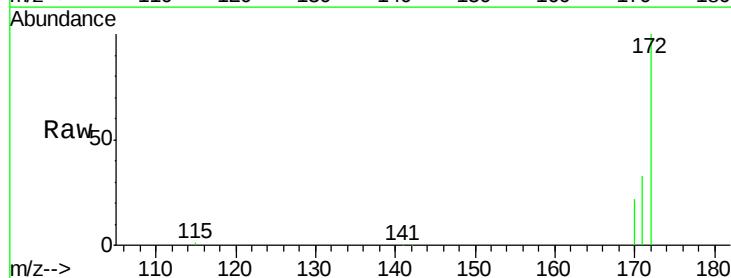
Instrument :
 BNA_E
 ClientSampleId :

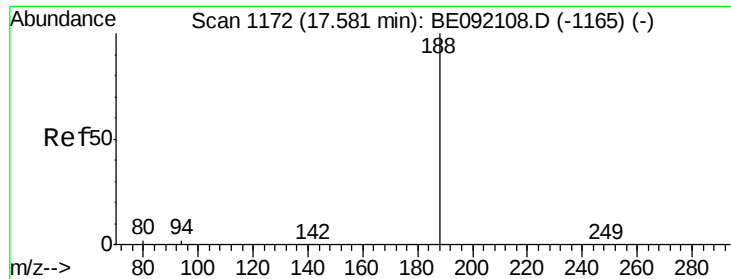
Tot Ion:330 Resp: 6060
 Ion Ratio Lower Upper
 330 100
 332 96.7 74.2 111.4
 141 43.3 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.37 ng
 RT: 13.46 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BE092215.D
 Acq: 5 Aug 2016 12:06

Tgt Ion:172 Resp: 28250
 Ion Ratio Lower Upper
 172 100
 171 33.1 30.3 45.5
 170 21.6 21.6 32.4#

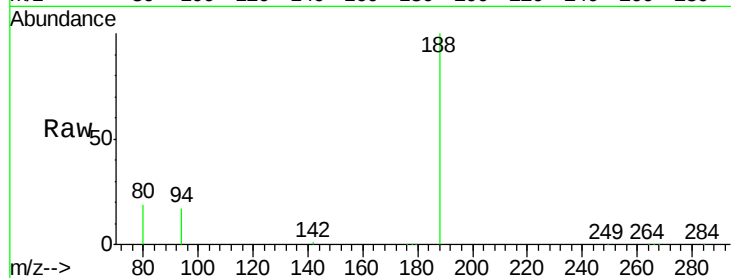




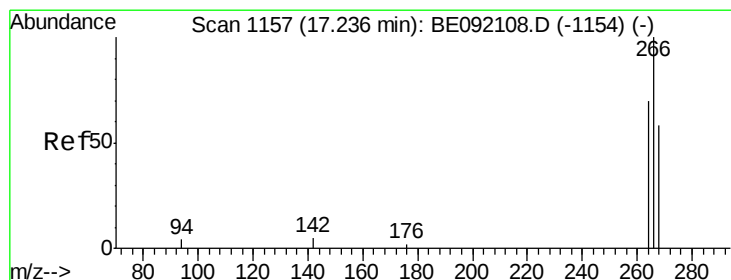
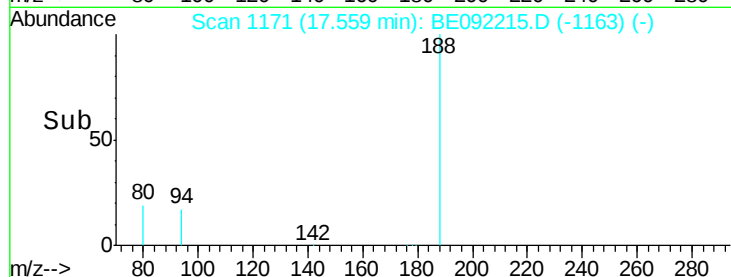
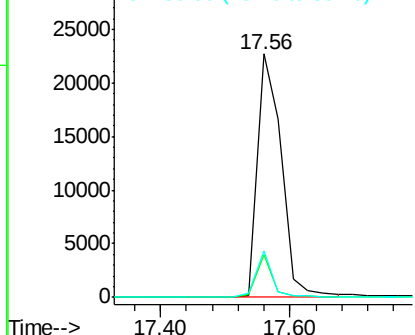
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092215.D
Acq: 5 Aug 2016 12:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 58344
Ion Ratio Lower Upper
188 100
94 17.3 3.9 5.9#
80 18.9 3.4 5.0#

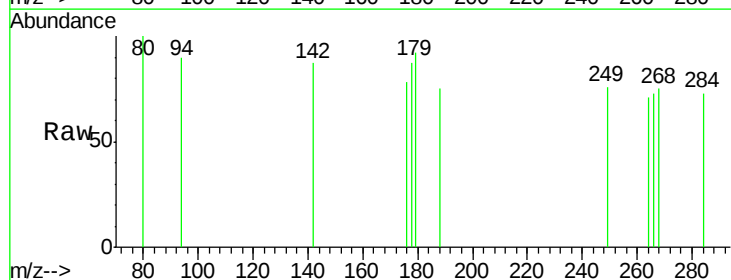


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

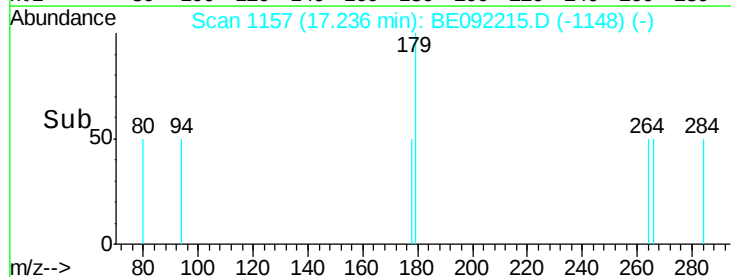
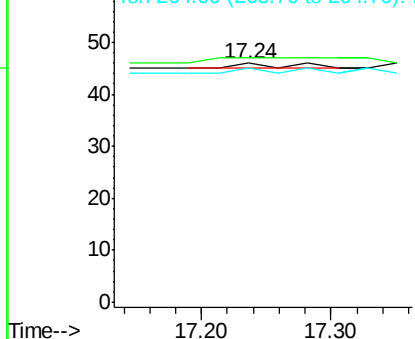


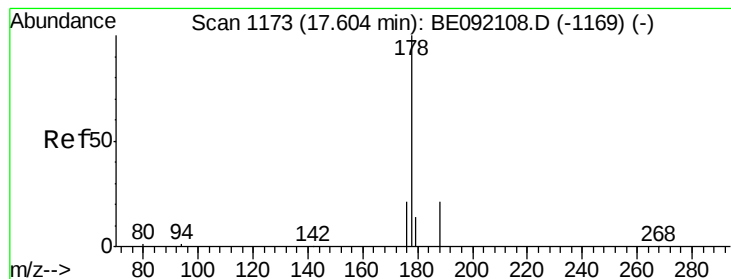
#18
Pentachlorophenol
Concen: 0.20 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092215.D
Acq: 5 Aug 2016 12:06

Tgt Ion:266 Resp: 3
Ion Ratio Lower Upper
266 100
268 102.2 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: BE092215.D

Acq: 5 Aug 2016 12:06

Instrument :

BNA_E

ClientSampleId :

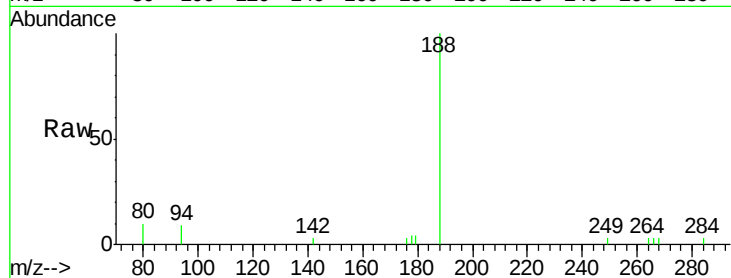
Tot Ion:178 Resp: 83

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

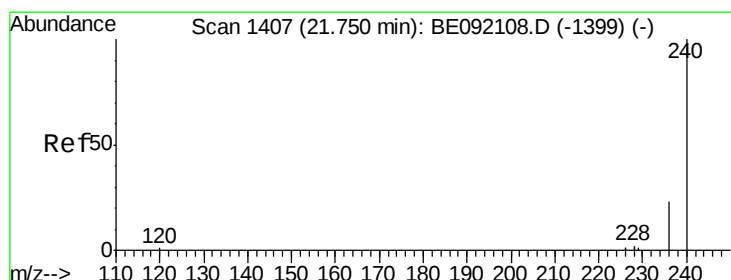
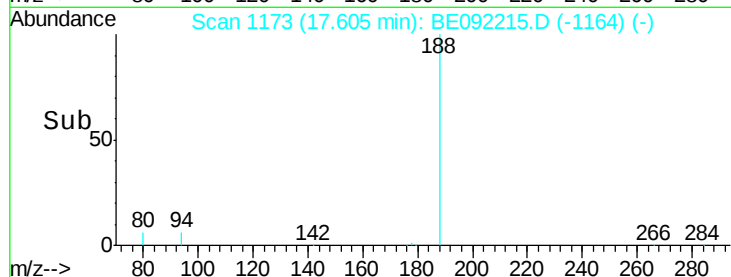
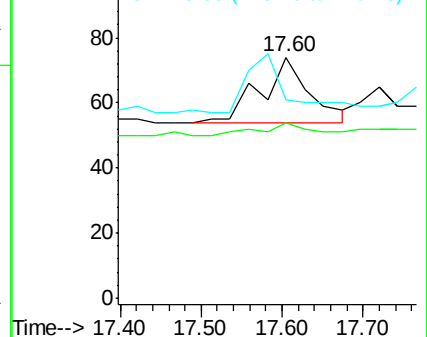
179 0.0 12.7 19.1#



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: BE092215.D

Acq: 5 Aug 2016 12:06

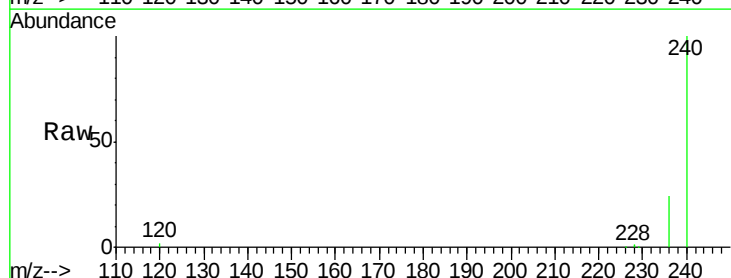
Tgt Ion:240 Resp: 71259

Ion Ratio Lower Upper

240 100

120 1.7 0.6 1.0#

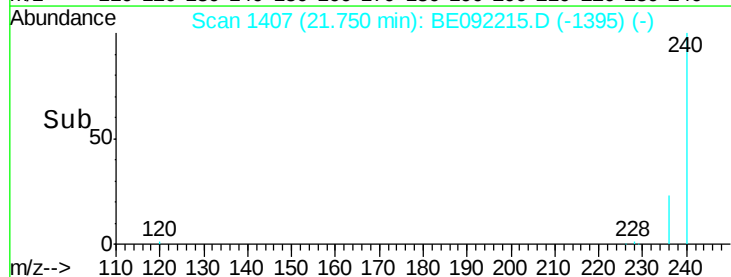
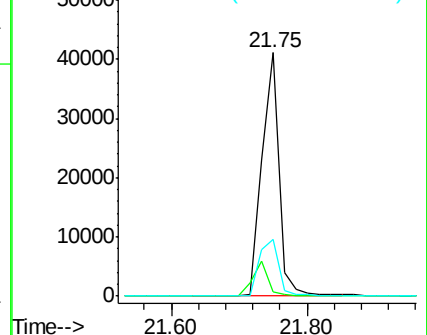
236 23.5 18.2 27.4

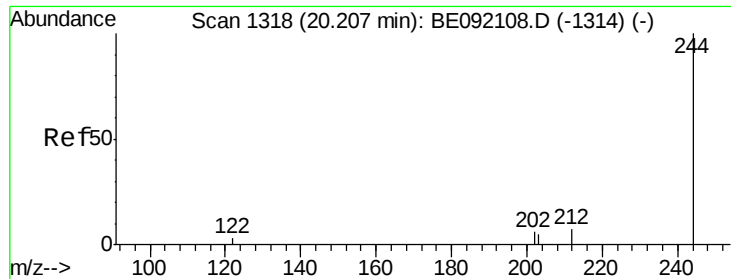


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

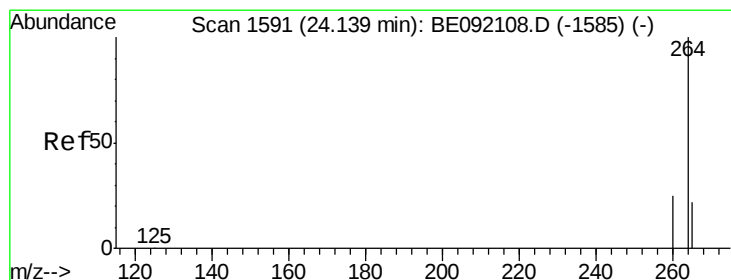
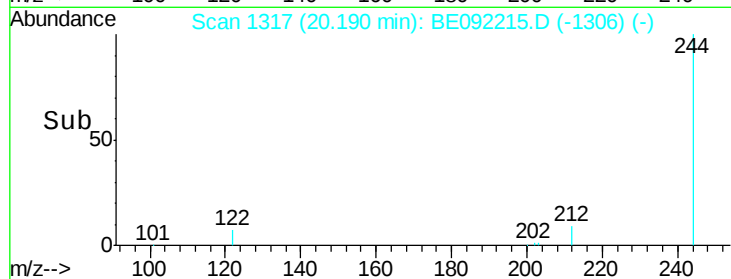
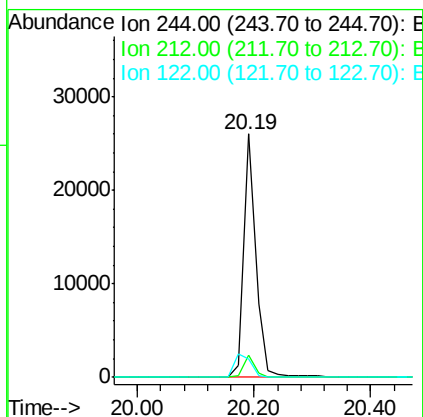
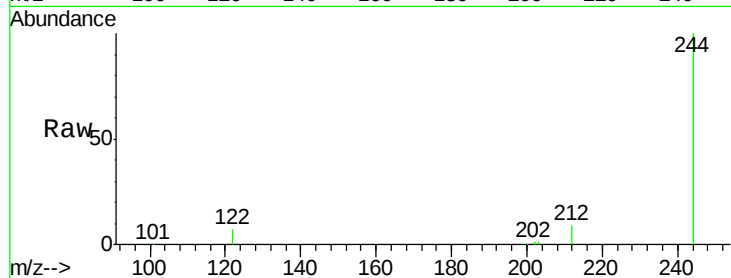




#24
 Terphenyl-d14
 Concen: 3.65 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092215.D
 Acq: 5 Aug 2016 12:06

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 37303
 Ion Ratio Lower Upper
 244 100
 212 8.9 9.1 13.7#
 122 7.3 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: BE092215.D
 Acq: 5 Aug 2016 12:06

Tgt Ion:264 Resp: 41579
 Ion Ratio Lower Upper
 264 100
 260 29.4 20.8 31.2
 265 22.2 16.6 25.0

