

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080216\
 Data File : BE092139.D
 Acq On : 3 Aug 2016 8:44
 Operator : UM/SJ
 Sample : PB92567BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92567BL

Quant Time: Aug 03 12:40:49 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

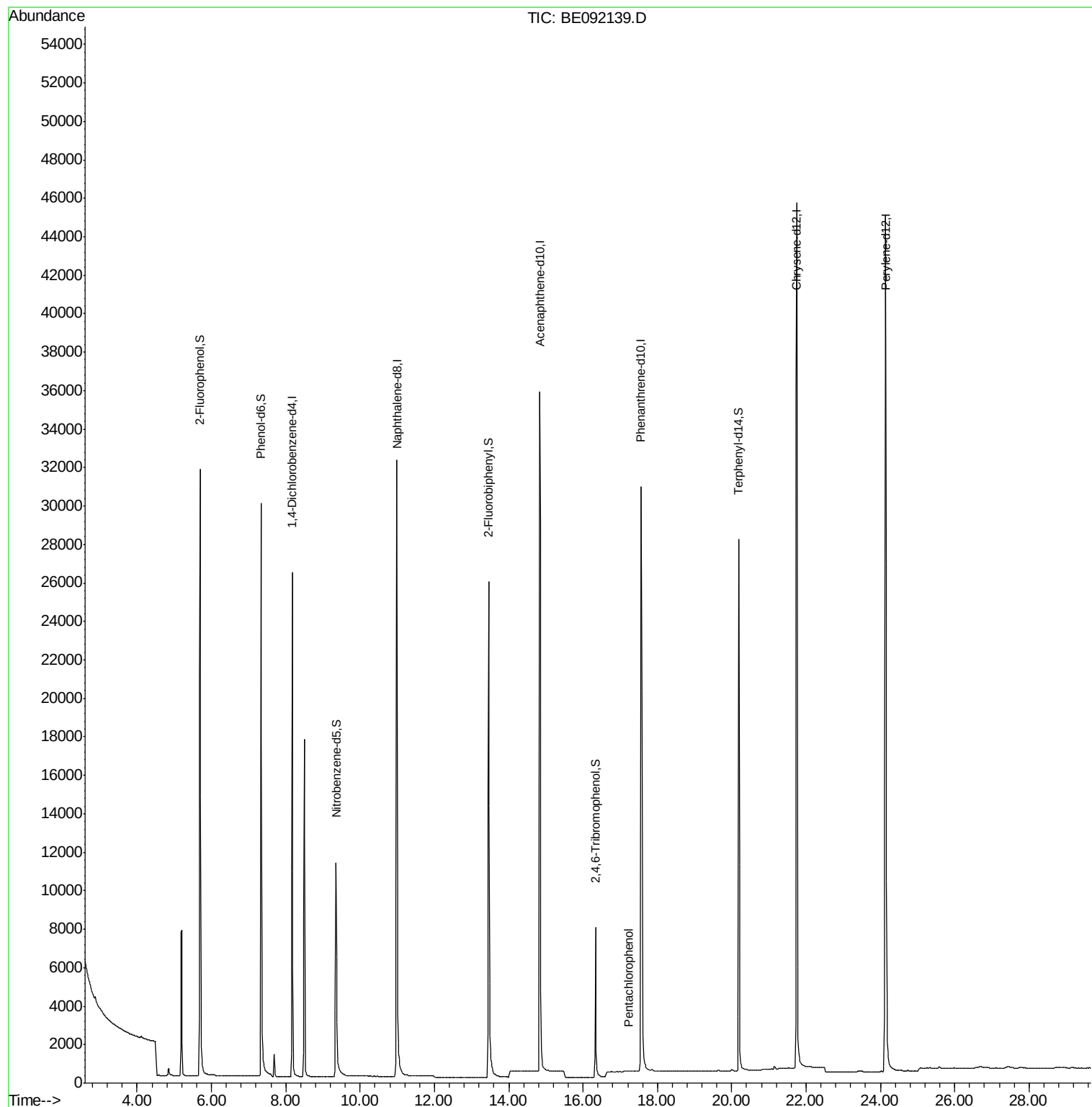
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13795	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	57839	5.00	ng	0.00
10) Acenaphthene-d10	14.83	164	29077	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	60562	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	65262	5.00	ng	0.00
28) Perylene-d12	24.14	264	68058	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	26484	7.48	ng	0.00
5) Phenol-d6	7.34	99	32828	6.96	ng	-0.01
7) Nitrobenzene-d5	9.35	82	14215	3.11	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	5911	6.26	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30591	3.32	ng	0.00
24) Terphenyl-d14	20.19	244	36100	3.85	ng	-0.02
Target Compounds						
8) Naphthalene	11.02	128	15	Below Cal	#	1
18) Pentachlorophenol	17.24	266	3	0.20 ng	#	78
19) Phenanthrene	17.60	178	75	Below Cal	#	76
30) Benzo(k)fluoranthene	23.41	252	60	Below Cal	#	1

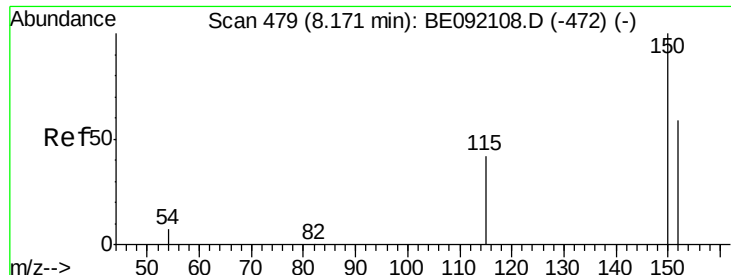
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092139.D

Acq: 3 Aug 2016 8:44

Instrument :

BNA_E

ClientSampleId :

PB92567BL

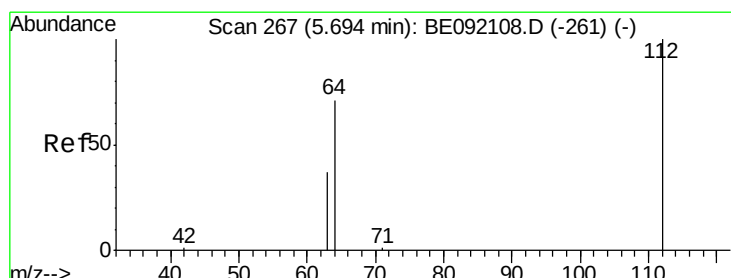
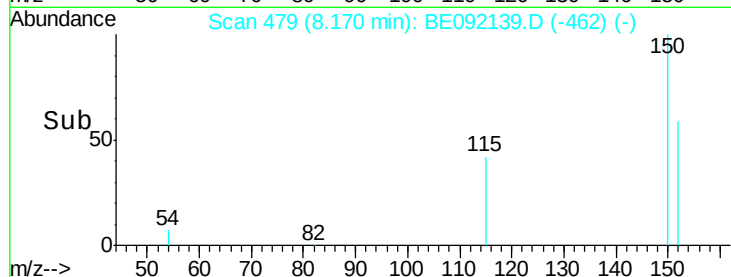
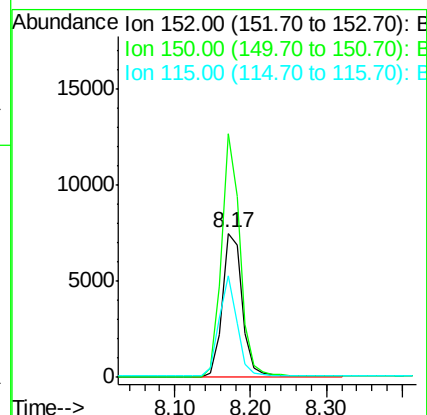
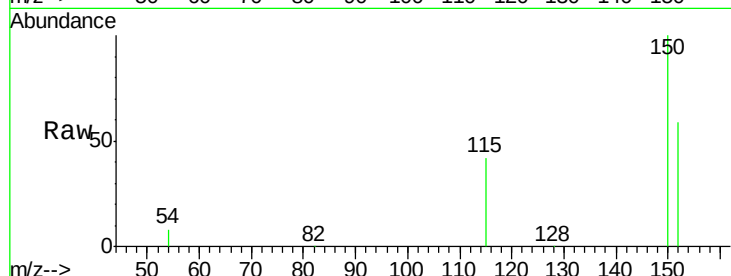
Tgt Ion:152 Resp: 13795

Ion Ratio Lower Upper

152 100

150 169.3 106.0 159.0#

115 70.9 36.9 55.3#



#4

2-Fluorophenol

Concen: 7.48 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092139.D

Acq: 3 Aug 2016 8:44

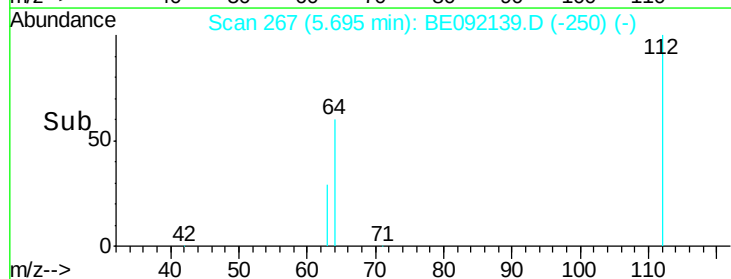
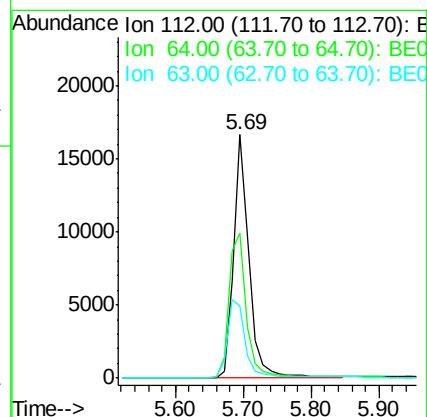
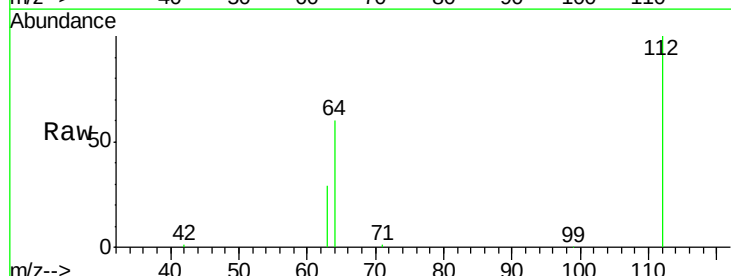
Tgt Ion:112 Resp: 26484

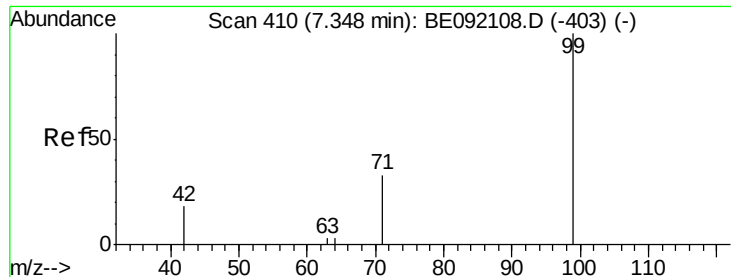
Ion Ratio Lower Upper

112 100

64 67.1 55.9 83.9

63 36.3 31.1 46.7





#5

Phenol-d6

Concen: 6.96 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092139.D

Acq: 3 Aug 2016 8:44

Instrument :

BNA_E

ClientSampleId :

PB92567BL

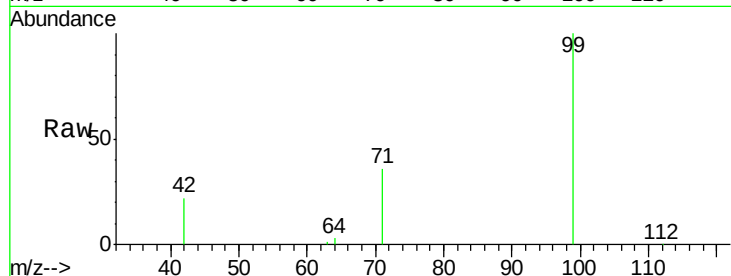
Tgt Ion: 99 Resp: 32828

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

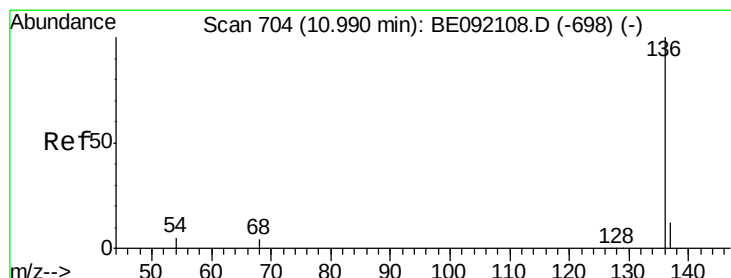
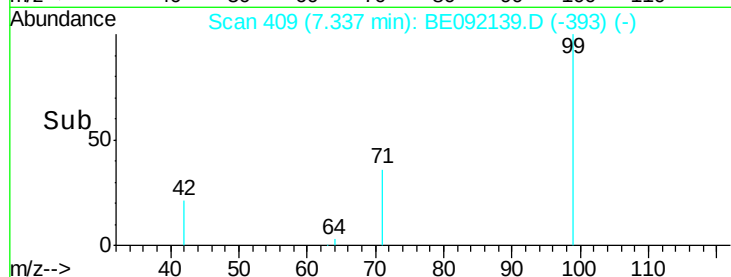
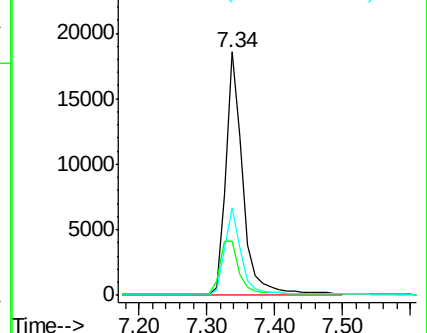
71 35.3 28.9 43.3



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: 10.99 min Scan# 704

Delta R.T. -0.00 min

Lab File: BE092139.D

Acq: 3 Aug 2016 8:44

Tgt Ion: 136 Resp: 57839

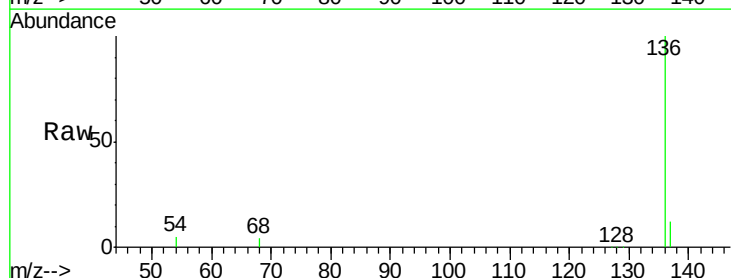
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 5.1 2.7 4.1#

68 4.0 2.2 3.4#

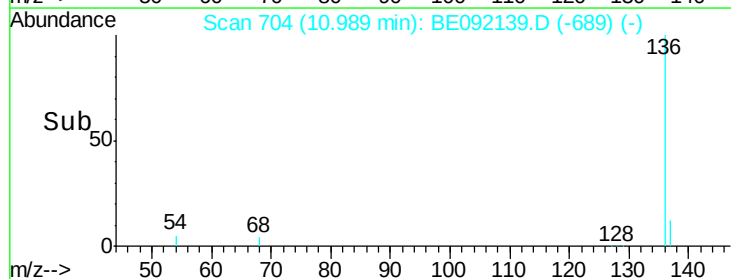
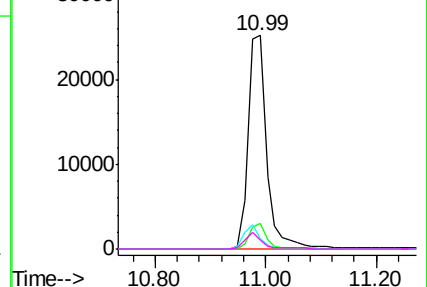


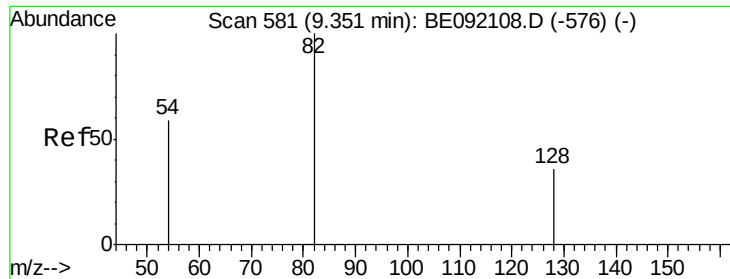
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 3.11 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092139.D

Acq: 3 Aug 2016 8:44

Instrument :

BNA_E

ClientSampleId :

PB92567BL

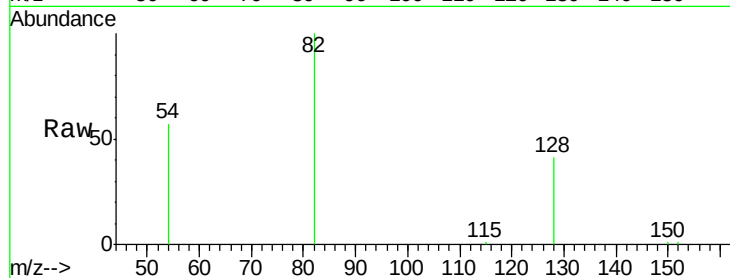
Tgt Ion: 82 Resp: 14215

Ion Ratio Lower Upper

82 100

128 40.9 33.0 49.4

54 57.0 42.6 63.8

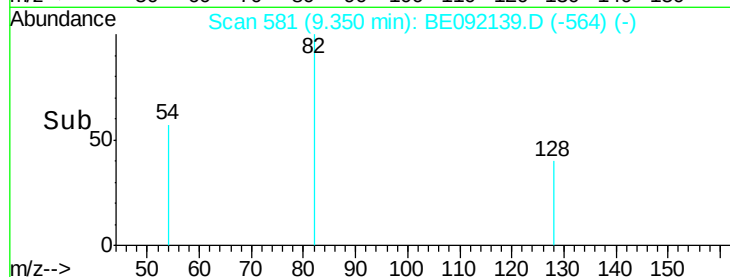


Abundance Ion 82.00 (81.70 to 82.70): BE092108.D (-576) (-)

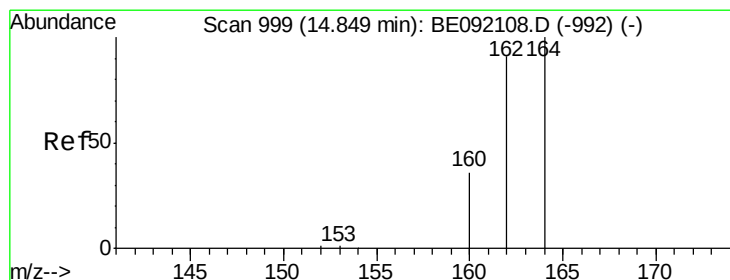
Ion 128.00 (127.70 to 128.70): BE092108.D (-576) (-)

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

Time-->



Time-->



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092139.D

Acq: 3 Aug 2016 8:44

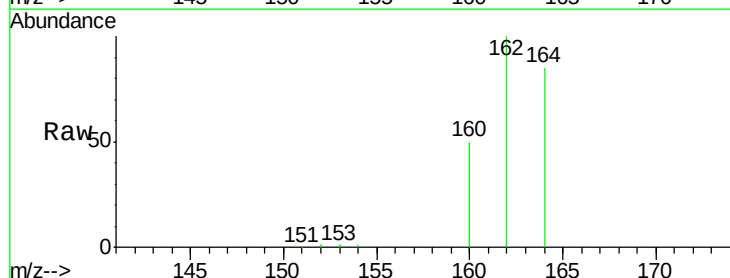
Tgt Ion: 164 Resp: 29077

Ion Ratio Lower Upper

164 100

162 117.4 69.5 104.3#

160 59.1 27.6 41.4#

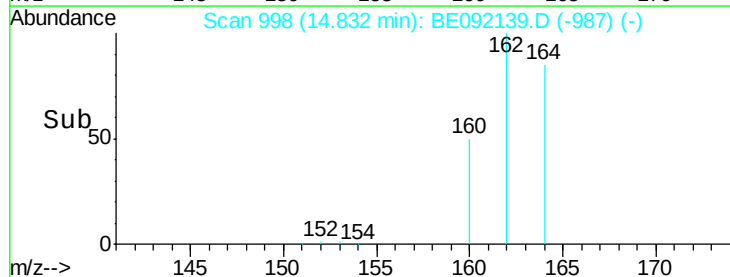


Abundance Ion 164.00 (163.70 to 164.70): BE092108.D (-992) (-)

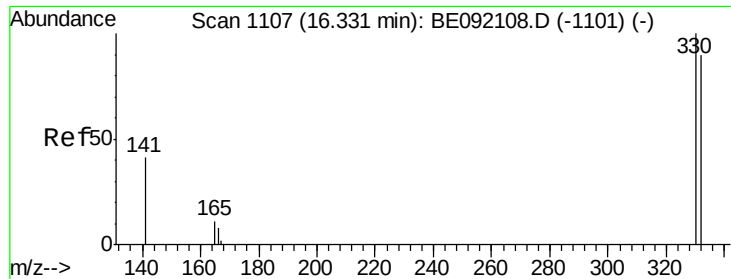
Ion 162.00 (161.70 to 162.70): BE092108.D (-992) (-)

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

Time-->



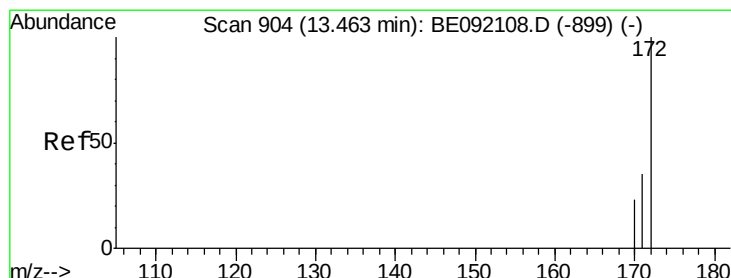
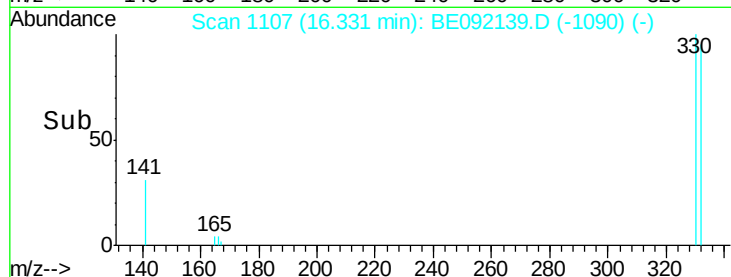
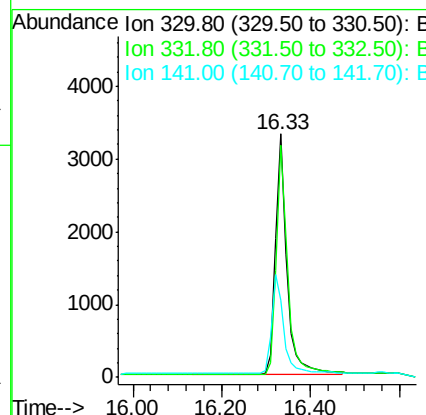
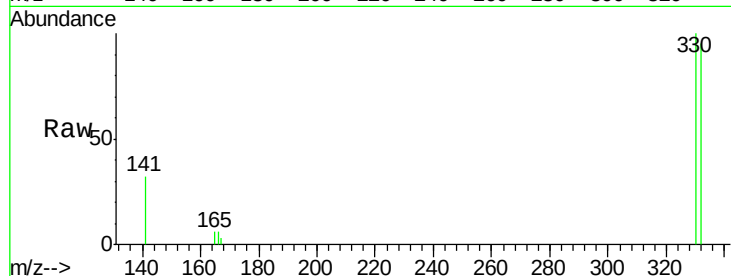
Time-->



#11
 2,4,6-Tribromophenol
 Concen: 6.26 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092139.D
 Acq: 3 Aug 2016 8:44

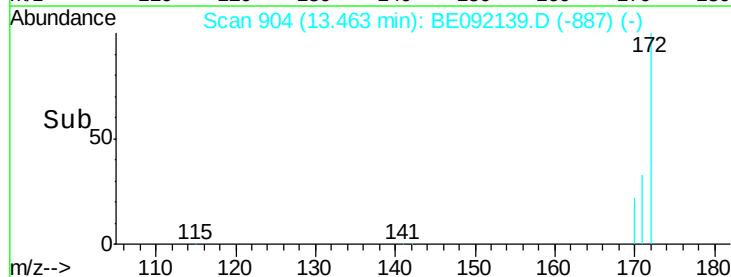
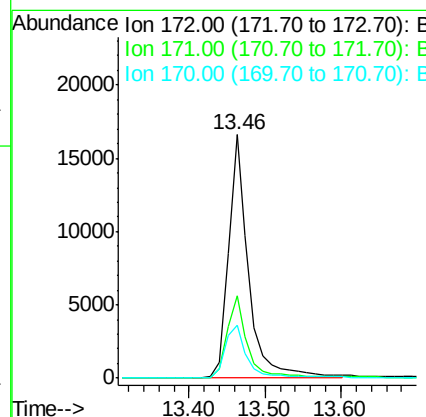
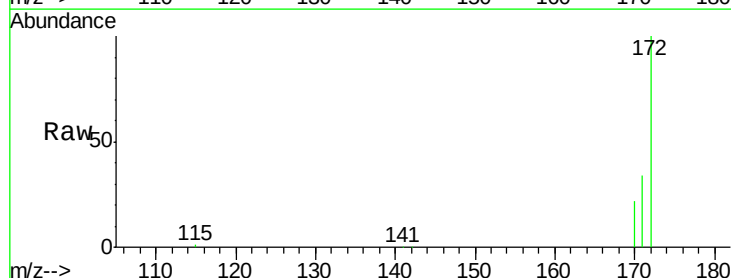
Instrument :
 BNA_E
 ClientSampleId :
 PB92567BL

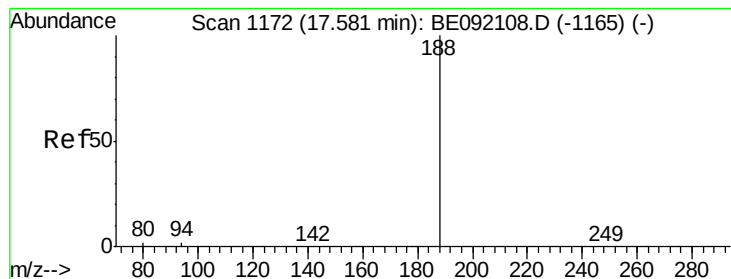
Tgt Ion: 330 Resp: 5911
 Ion Ratio Lower Upper
 330 100
 332 95.8 74.2 111.4
 141 43.9 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.32 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092139.D
 Acq: 3 Aug 2016 8:44

Tgt Ion: 172 Resp: 30591
 Ion Ratio Lower Upper
 172 100
 171 33.6 30.3 45.5
 170 21.9 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: BE092139.D

Acq: 3 Aug 2016 8:44

Instrument :

BNA_E

ClientSampleId :

PB92567BL

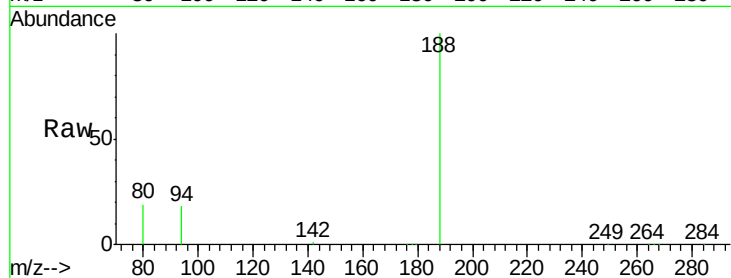
Tgt Ion:188 Resp: 60562

Ion Ratio Lower Upper

188 100

94 17.5 3.9 5.9#

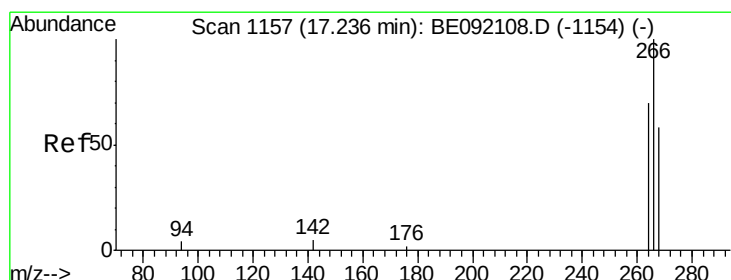
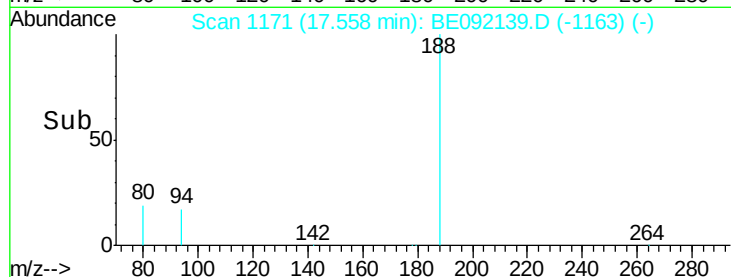
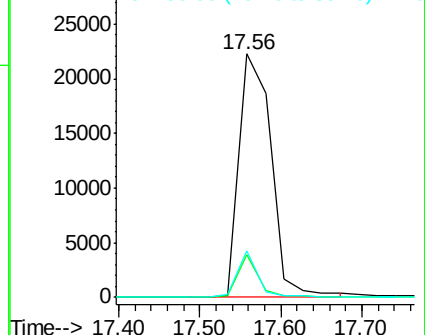
80 19.3 3.4 5.0#



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: BE092139.D

Acq: 3 Aug 2016 8:44

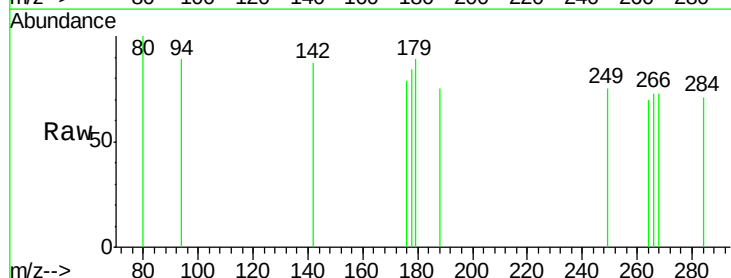
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

268 100.0 62.7 94.1#

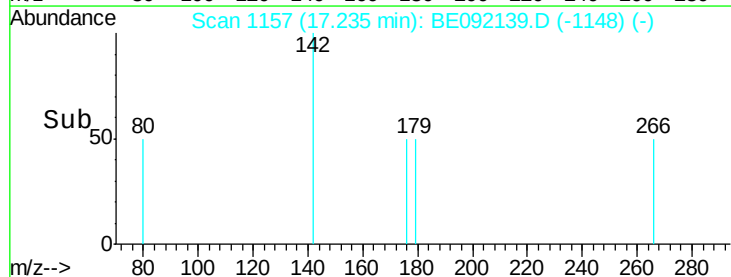
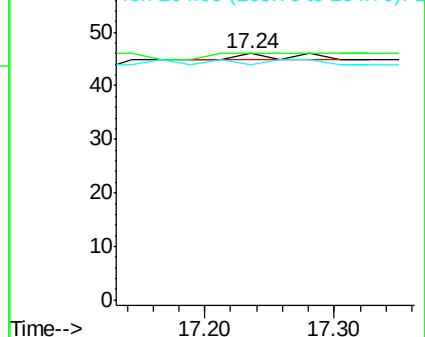
264 95.7 63.5 95.3#

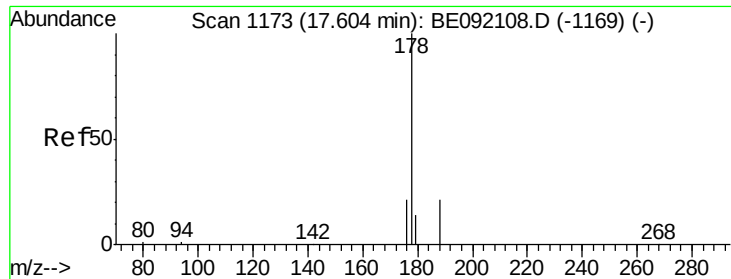


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

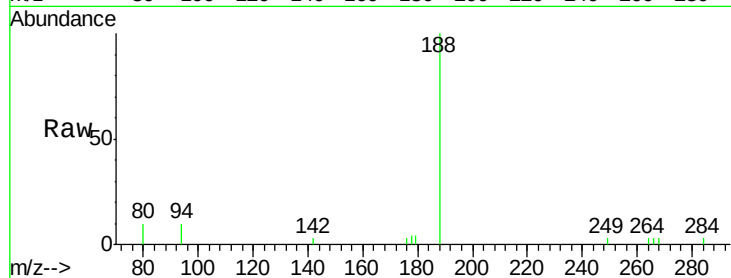




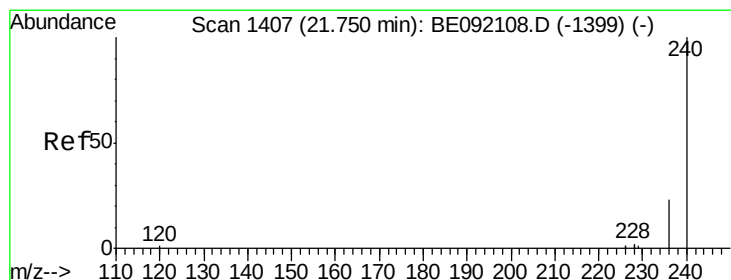
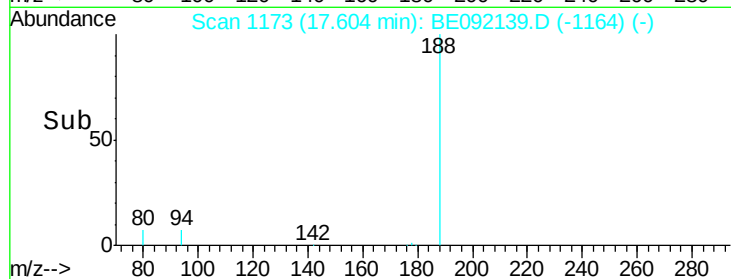
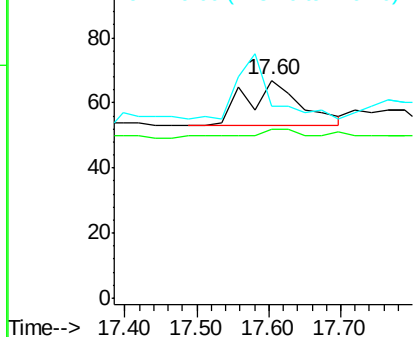
#19
Phenanthrene
Concen: Below Cal
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092139.D
Acq: 3 Aug 2016 8:44

Instrument :
BNA_E
ClientSampleId :
PB92567BL

Tgt Ion:178 Resp: 75
Ion Ratio Lower Upper
178 100
176 13.3 15.4 23.0#
179 0.0 12.7 19.1#

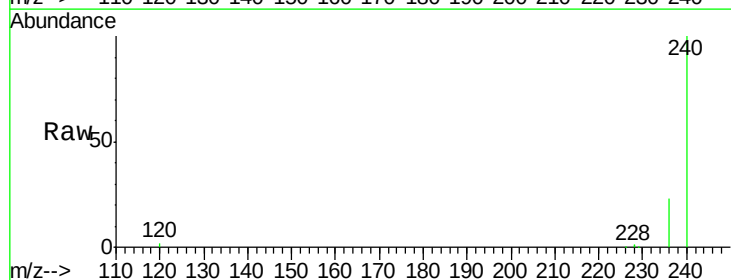


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

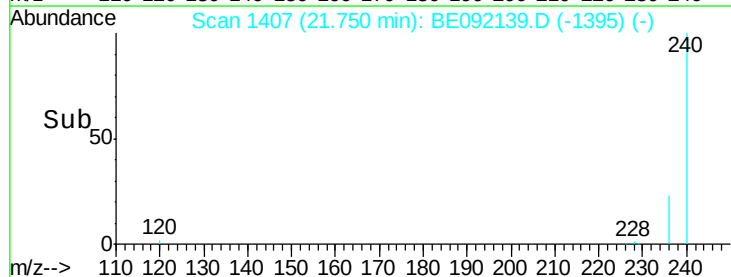
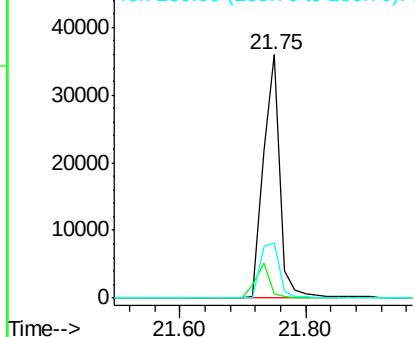


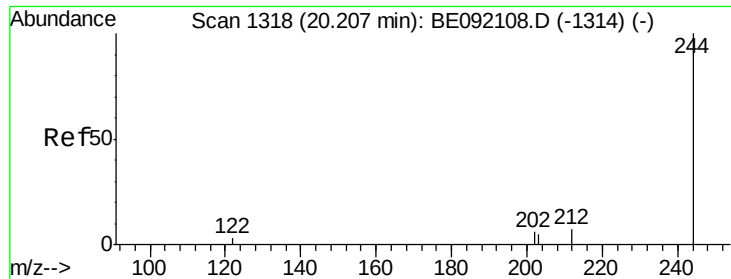
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092139.D
Acq: 3 Aug 2016 8:44

Tgt Ion:240 Resp: 65262
Ion Ratio Lower Upper
240 100
120 2.0 0.6 1.0#
236 22.9 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: 3.85 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092139.D

Acq: 3 Aug 2016 8:44

Instrument :

BNA_E

ClientSampleId :

PB92567BL

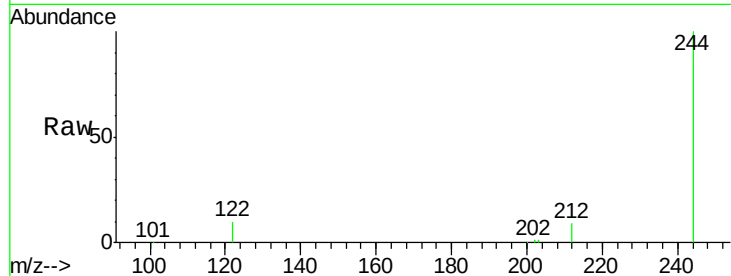
Tgt Ion:244 Resp: 36100

Ion Ratio Lower Upper

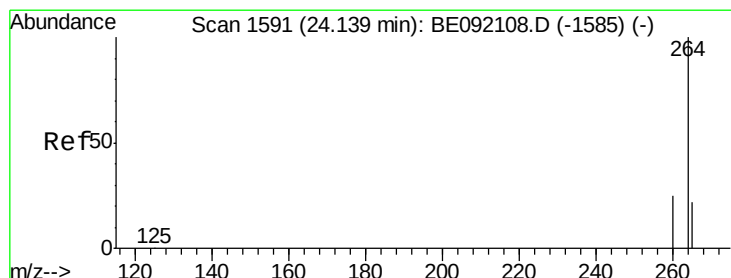
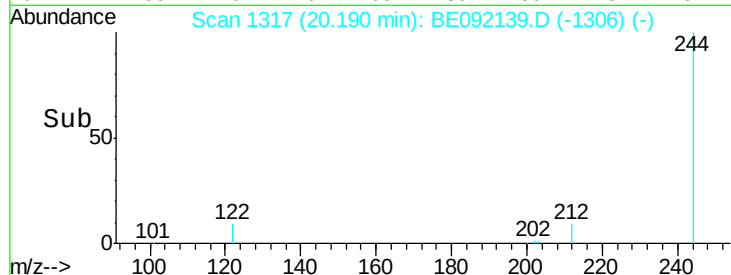
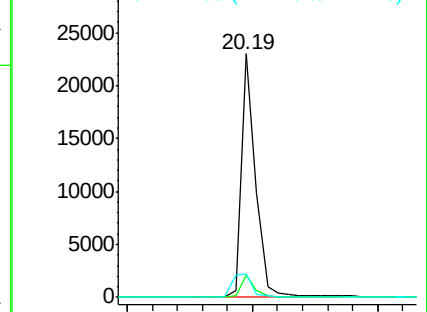
244 100

212 9.2 9.1 13.7

122 9.6 11.0 16.4#



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



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092139.D

Acq: 3 Aug 2016 8:44

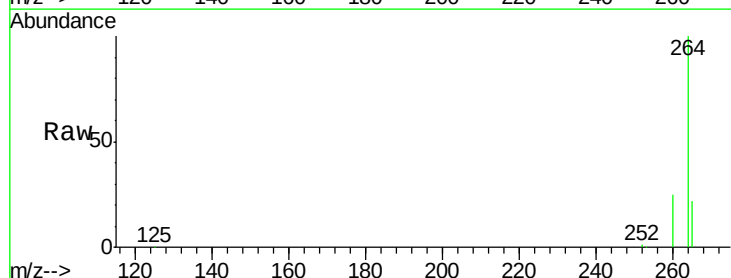
Tgt Ion:264 Resp: 68058

Ion Ratio Lower Upper

264 100

260 24.5 20.8 31.2

265 22.3 16.6 25.0



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

