

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102315\
 Data File : BE091039.D
 Acq On : 23 Oct 2015 18:33
 Operator : UM/NP
 Sample : G4140-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB15-45-GW

Quant Time: Oct 24 07:35:09 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 23:56:52 2015
 Response via : Initial Calibration

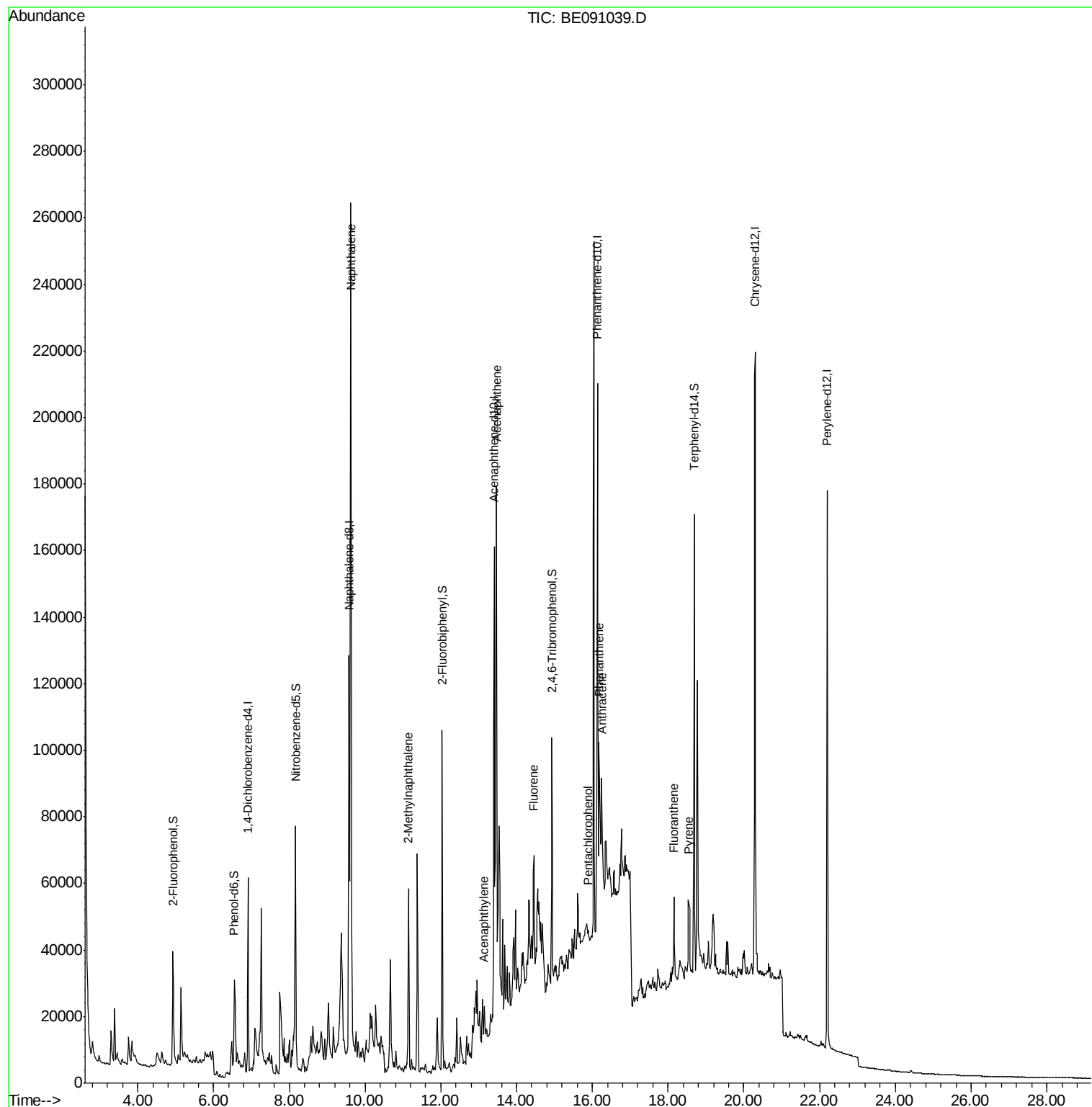
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	24969	5.00	ng	0.00
7) Naphthalene-d8	9.58	136	136049	5.00	ng	-0.01
13) Acenaphthene-d10	13.41	164	76679	5.00	ng	0.00
19) Phenanthrene-d10	16.13	188	170331	5.00	ng	0.00
26) Chrysene-d12	20.30	240	183607	5.00	ng	0.00
35) Perylene-d12	22.20	264	175834	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.93	112	23754	4.72	ng	0.00
5) Phenol-d6	6.55	99	25376	3.97	ng	0.00
8) Nitrobenzene-d5	8.16	82	60264	6.65	ng	-0.02
14) 2,4,6-Tribromophenol	14.93	330	26805	10.04	ng	-0.01
15) 2-Fluorobiphenyl	12.04	172	92575	4.45	ng	0.00
29) Terphenyl-d14	18.69	244	123282	5.44	ng	0.00
Target Compounds						
10) Naphthalene	9.62	128	316464	12.25	ng	Qvalue 99
12) 2-Methylnaphthalene	11.15	142	38810	2.25	ng	# 94
16) Acenaphthylene	13.15	152	14157	0.11	ng	# 90
17) Acenaphthene	13.47	154	29267	1.43	ng	86
18) Fluorene	14.46	166	20930	0.83	ng	# 93
22) Pentachlorophenol	15.89	266	1596	0.86	ng	95
23) Phenanthrene	16.17	178	41306	1.01	ng	# 90
24) Anthracene	16.25	178	36910	1.01	ng	# 53
25) Fluoranthene	18.16	202	20109	0.42	ng	# 94
28) Pyrene	18.54	202	19209	0.44	ng	# 73

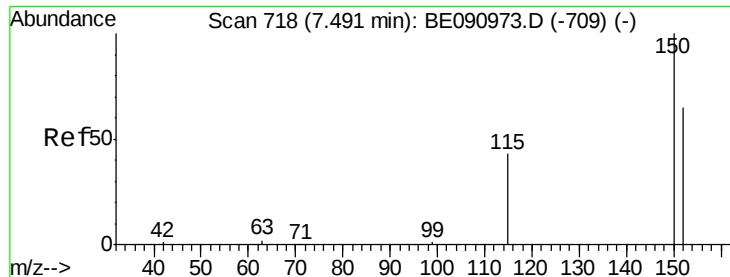
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 23 23:56:52 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.91 min Scan# 632

Delta R.T. -0.01 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

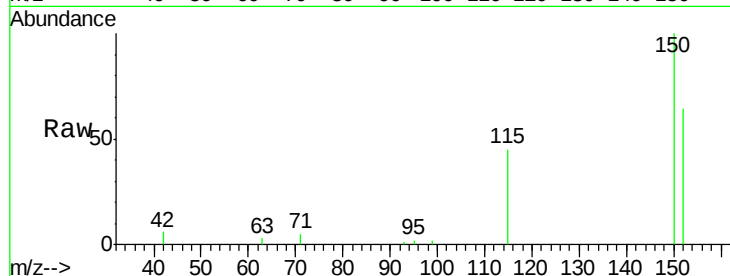
Tgt Ion:152 Resp: 24969

Ion Ratio Lower Upper

152 100

150 156.6 122.6 183.8

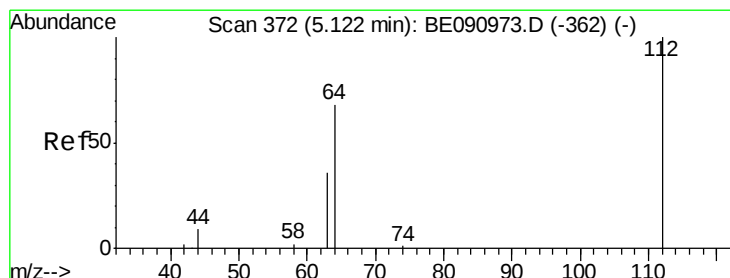
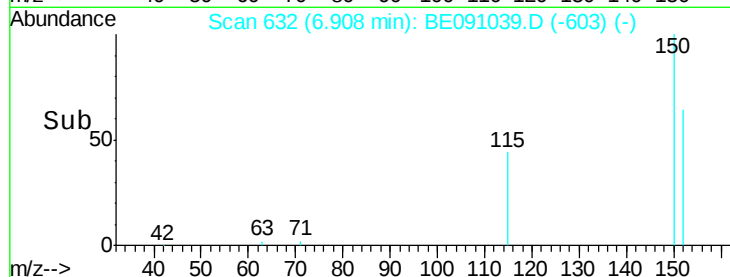
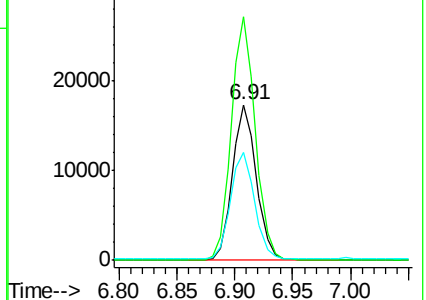
115 69.7 52.8 79.2



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



#4

2-Fluorophenol

Concen: 4.72 ng

RT: 4.93 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

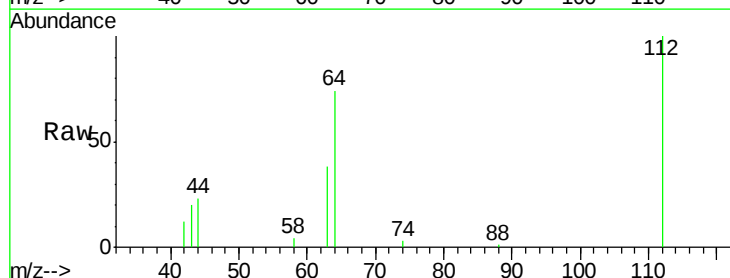
Tgt Ion:112 Resp: 23754

Ion Ratio Lower Upper

112 100

64 78.7 30.9 46.3#

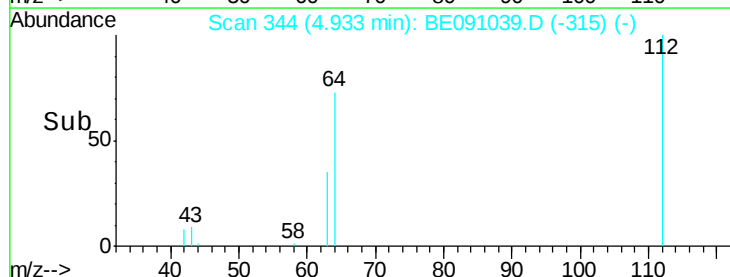
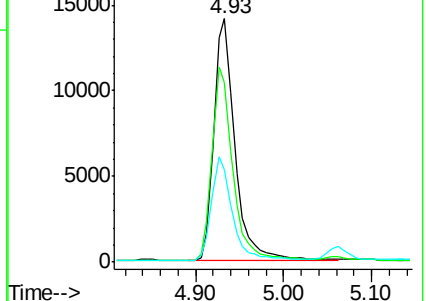
63 41.8 16.7 25.1#

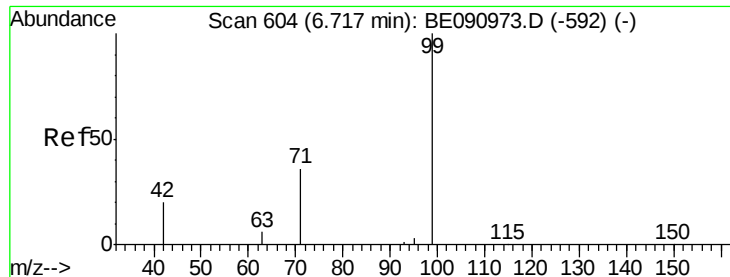


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.97 ng

RT: 6.55 min Scan# 579

Delta R.T. -0.01 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

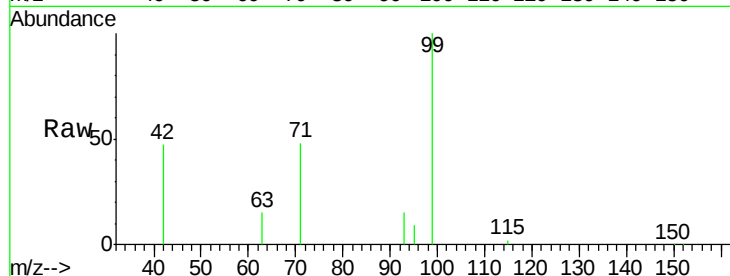
Tgt Ion: 99 Resp: 25376

Ion Ratio Lower Upper

99 100

42 50.3 16.2 24.2#

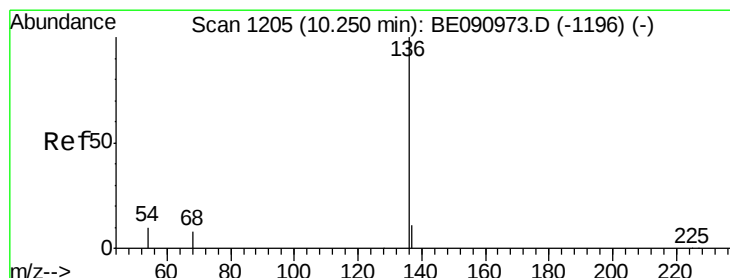
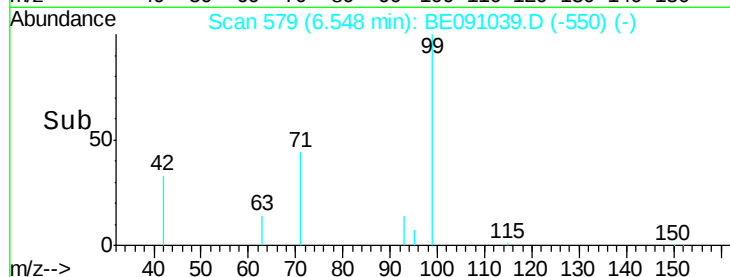
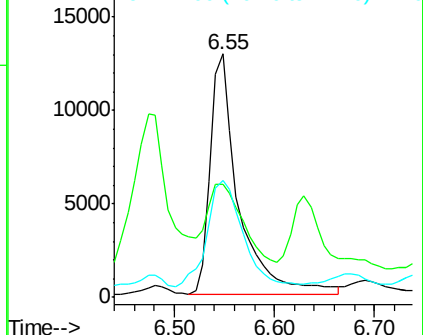
71 55.8 29.0 43.4#



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 9.58 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Tgt Ion: 136 Resp: 136049

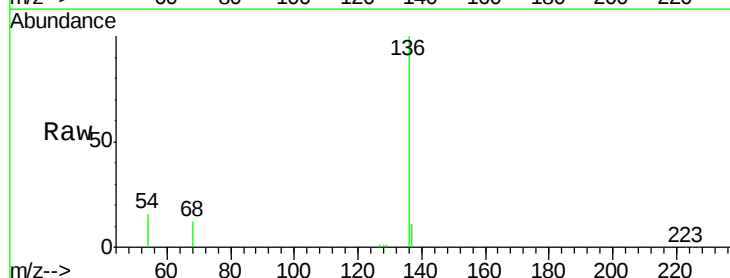
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 16.3 8.2 12.4#

68 11.5 6.2 9.4#

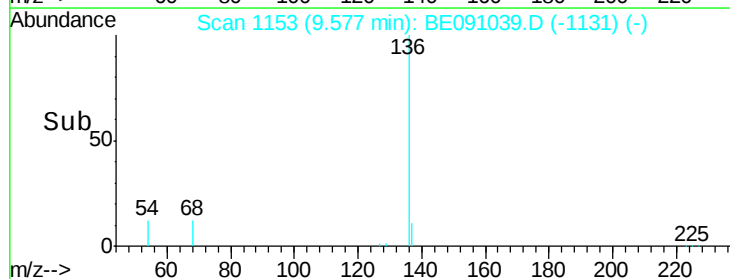
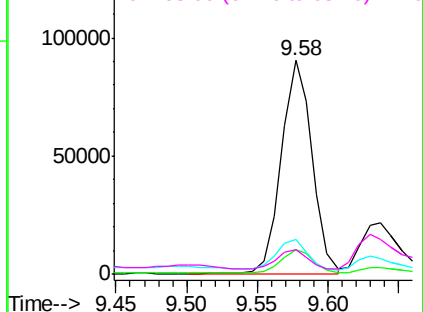


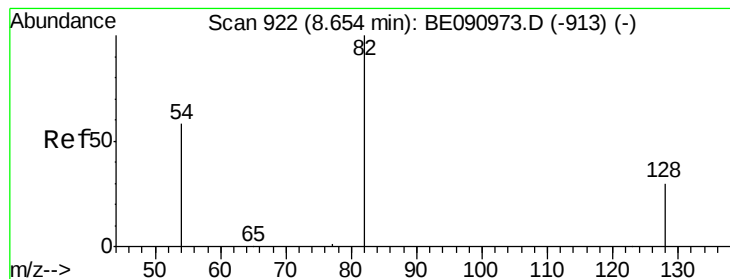
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 6.65 ng

RT: 8.16 min Scan# 861

Delta R.T. -0.02 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

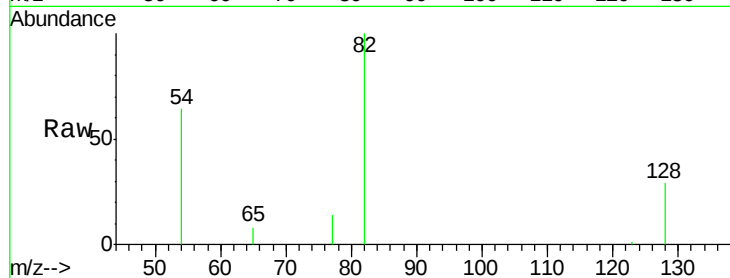
Tgt Ion: 82 Resp: 60264

Ion Ratio Lower Upper

82 100

128 28.6 25.4 38.0

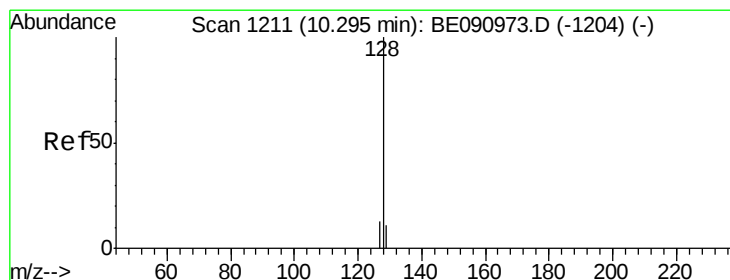
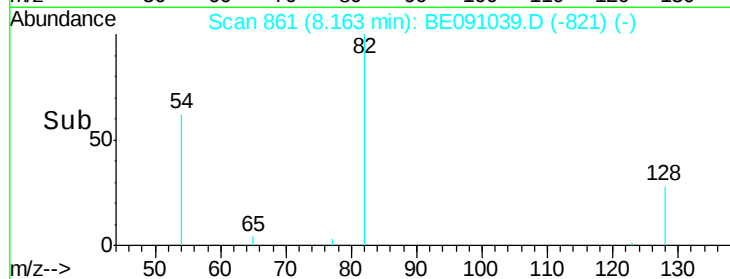
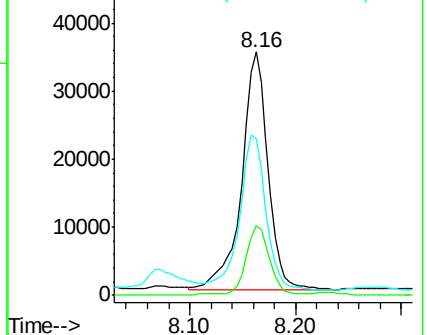
54 64.4 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE090973.D (-913) (-)

Ion 128.00 (127.70 to 128.70): BE090973.D (-913) (-)

Ion 54.00 (53.70 to 54.70): BE090973.D (-913) (-)



#10

Naphthalene

Concen: 12.25 ng

RT: 9.62 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

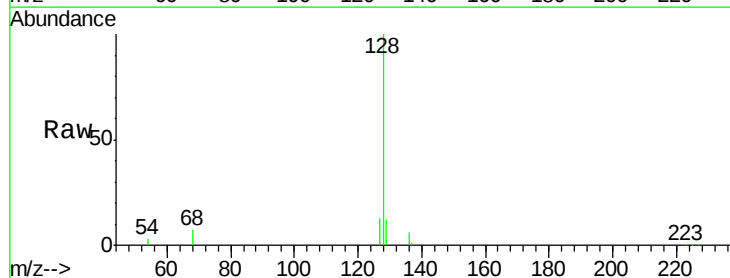
Tgt Ion: 128 Resp: 316464

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

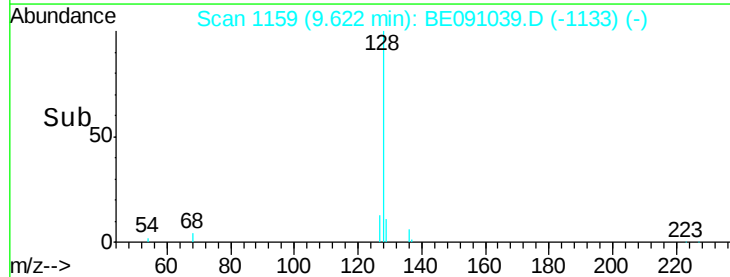
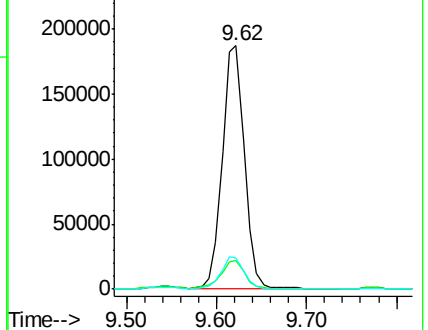
127 13.0 10.7 16.1

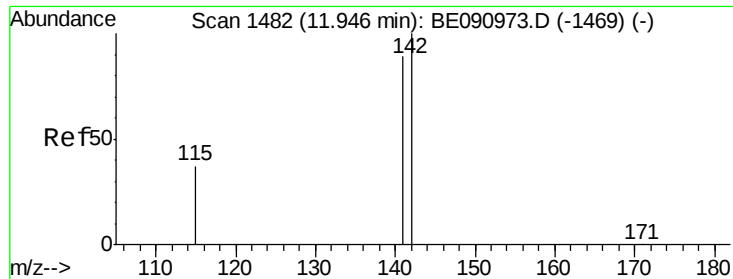


Abundance Ion 128.00 (127.70 to 128.70): BE090973.D (-1204) (-)

Ion 129.00 (128.70 to 129.70): BE090973.D (-1204) (-)

Ion 127.00 (126.70 to 127.70): BE090973.D (-1204) (-)





#12

2-Methylnaphthalene

Concen: 2.25 ng

RT: 11.15 min Scan# 1414

Delta R.T. -0.01 min

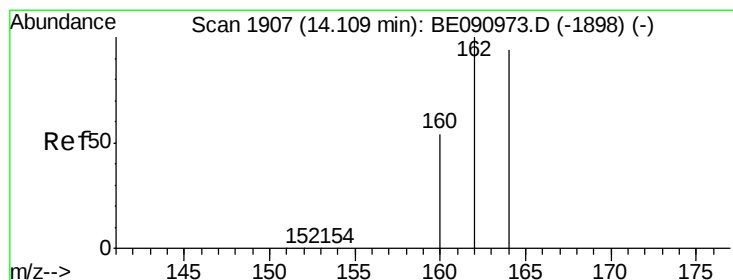
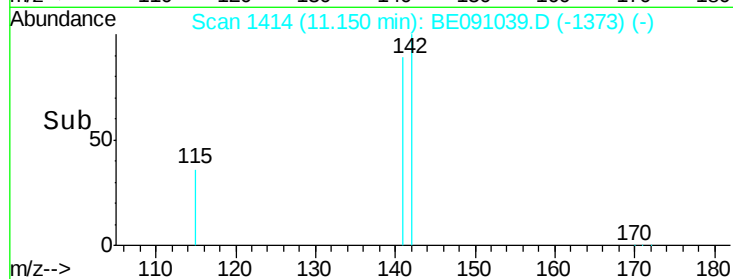
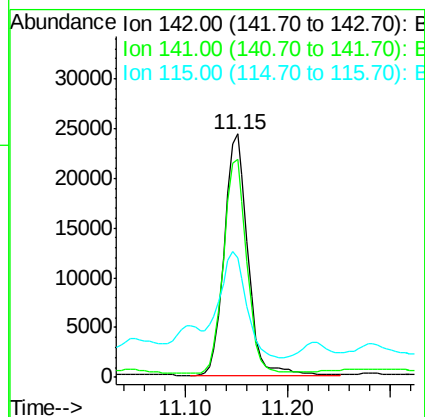
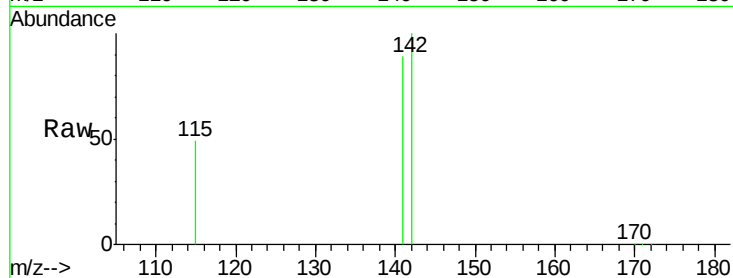
Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :
BNA_E
ClientSampleId :
SB15-45-GW

Tgt Ion:142 Resp: 38810

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.0
115	48.8	30.3	45.5#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.41 min Scan# 1843

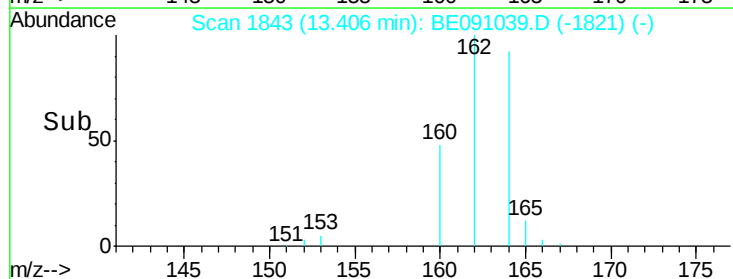
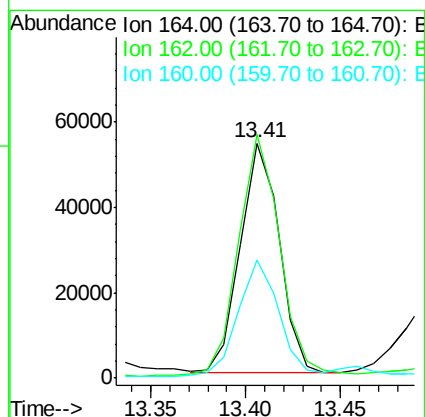
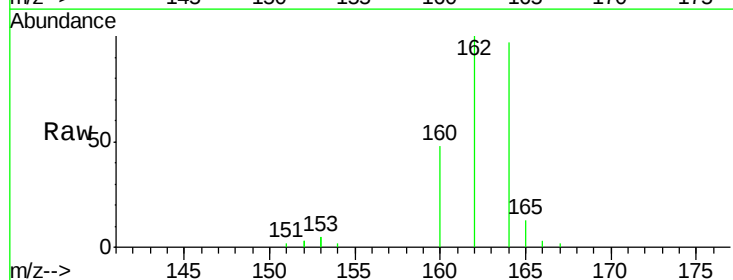
Delta R.T. -0.01 min

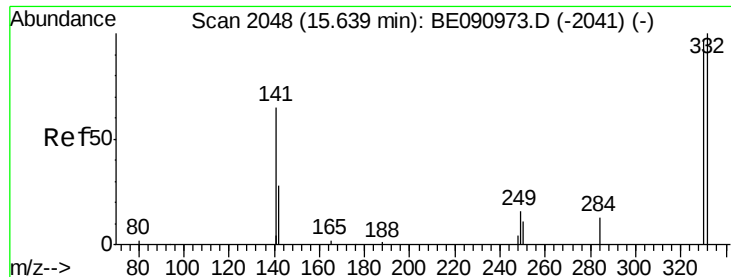
Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Tgt Ion:164 Resp: 76679

Ion	Ratio	Lower	Upper
164	100		
162	103.6	85.3	127.9
160	50.2	46.2	69.2

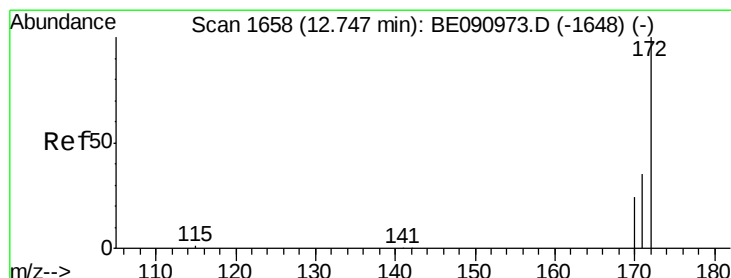
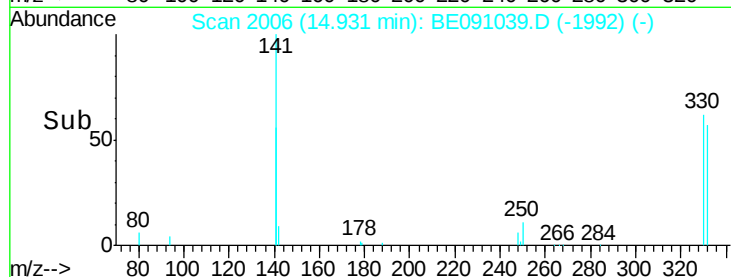
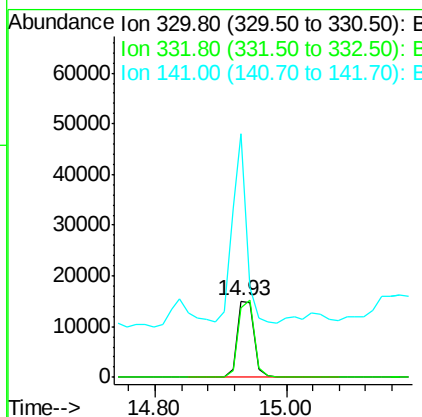
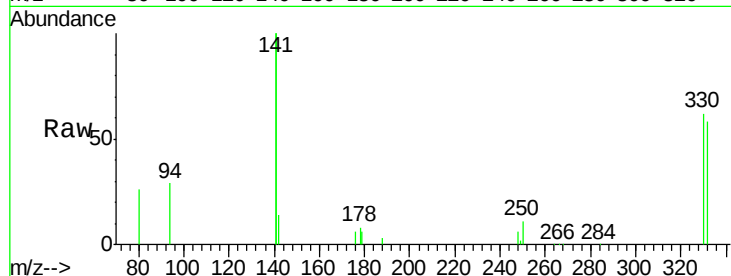




#14
 2,4,6-Tribromophenol
 Concen: 10.04 ng
 RT: 14.93 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BE091039.D
 Acq: 23 Oct 2015 18:33

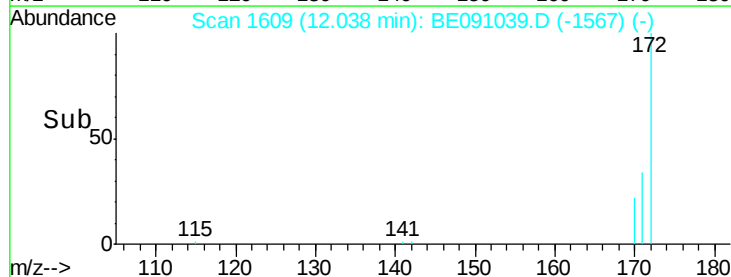
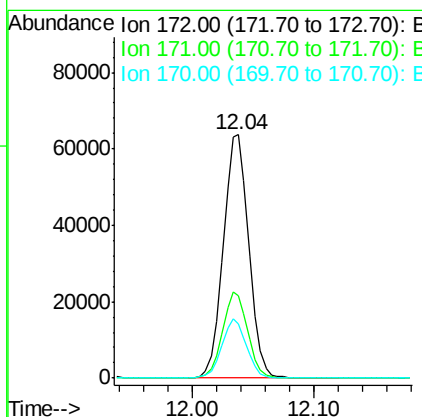
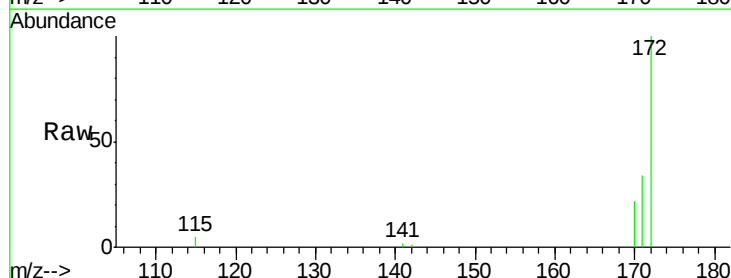
Instrument :
 BNA_E
 ClientSampleId :
 SB15-45-GW

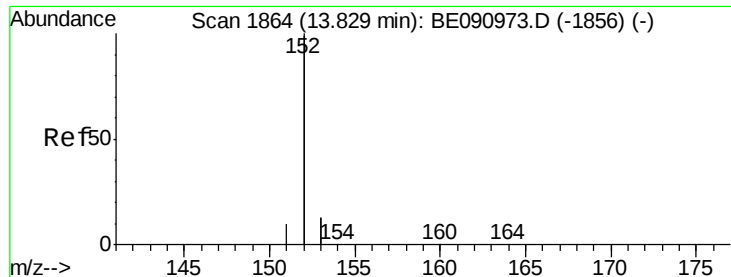
Tgt Ion:330 Resp: 26805
 Ion Ratio Lower Upper
 330 100
 332 97.3 79.1 118.7
 141 215.7 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 4.45 ng
 RT: 12.04 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BE091039.D
 Acq: 23 Oct 2015 18:33

Tgt Ion:172 Resp: 92575
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.8 43.2
 170 22.5 19.3 28.9





#16

Acenaphthylene

Concen: 0.11 ng

RT: 13.15 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

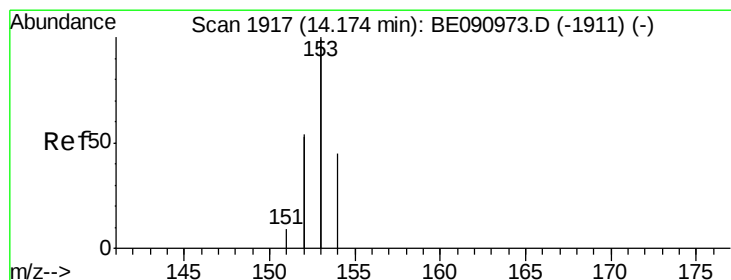
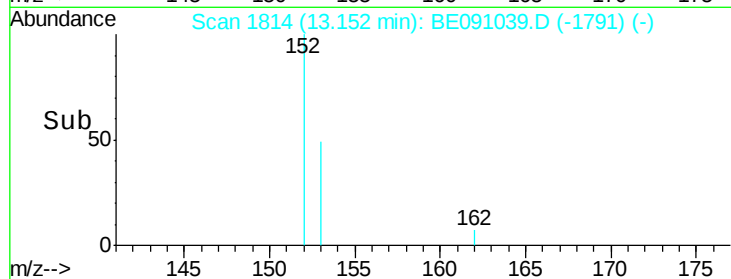
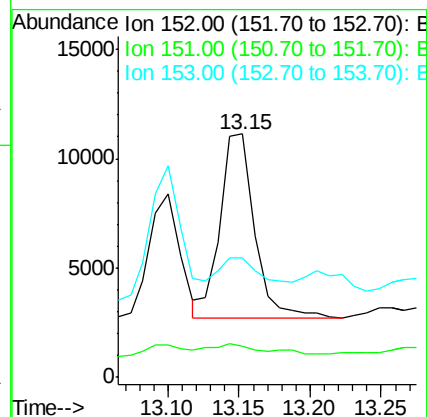
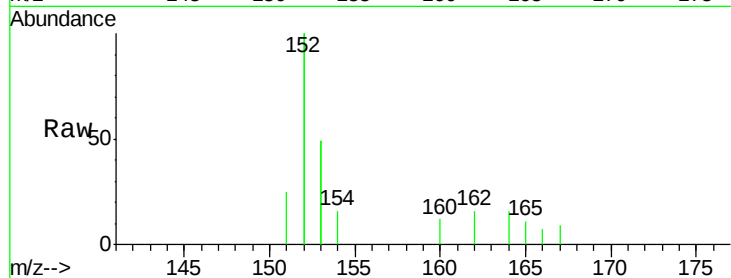
Tgt Ion:152 Resp: 14157

Ion Ratio Lower Upper

152 100

151 6.3 3.9 5.9#

153 17.8 10.3 15.5#



#17

Acenaphthene

Concen: 1.43 ng

RT: 13.47 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

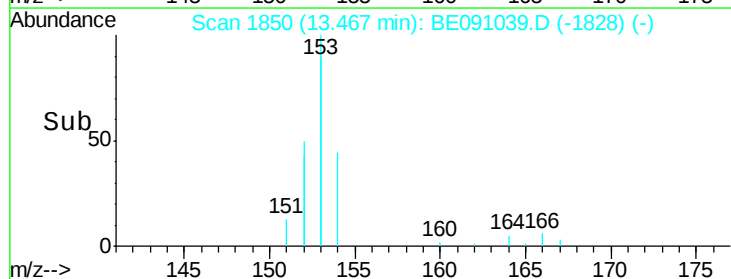
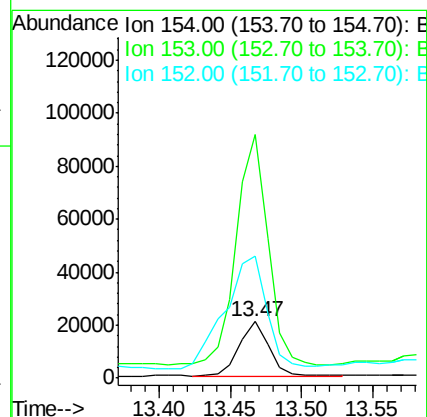
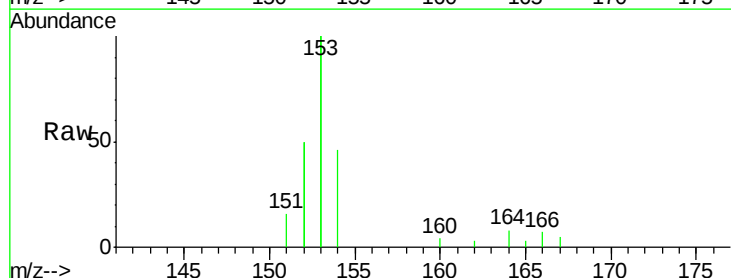
Tgt Ion:154 Resp: 29267

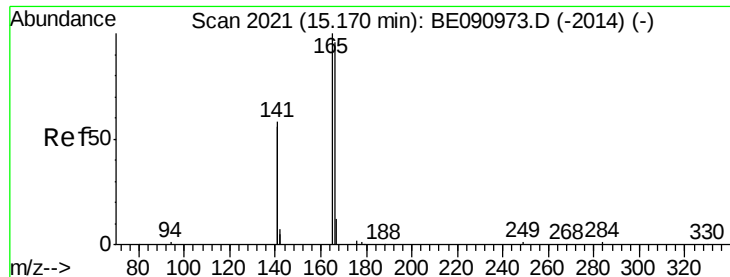
Ion Ratio Lower Upper

154 100

153 454.2 352.0 528.0

152 299.7 200.0 300.0





#18

Fluorene

Concen: 0.83 ng

RT: 14.46 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

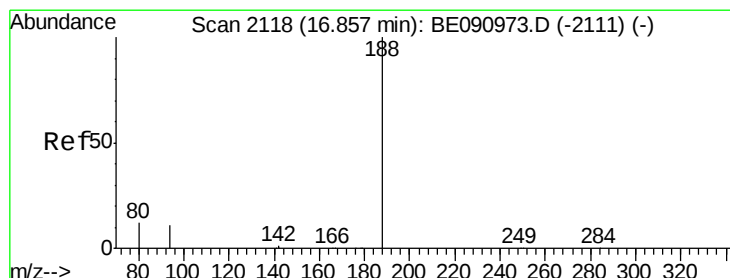
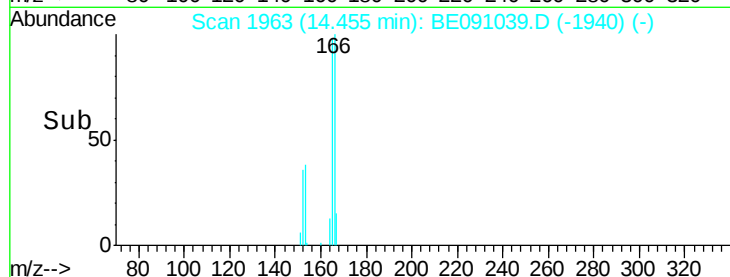
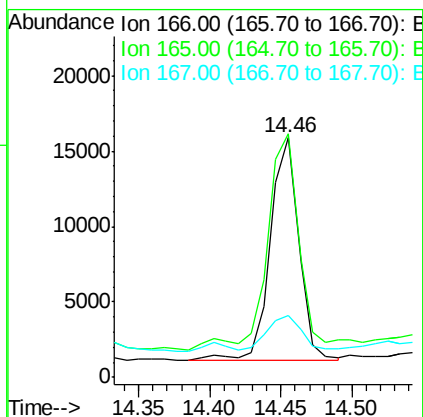
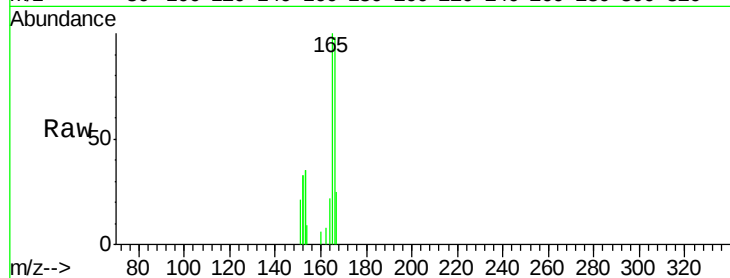
Tgt Ion:166 Resp: 20930

Ion Ratio Lower Upper

166 100

165 107.7 80.8 121.2

167 18.1 10.9 16.3#



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.13 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

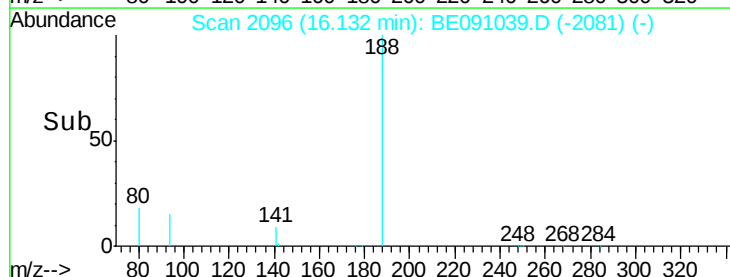
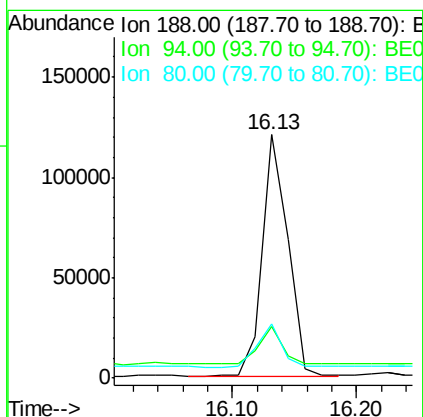
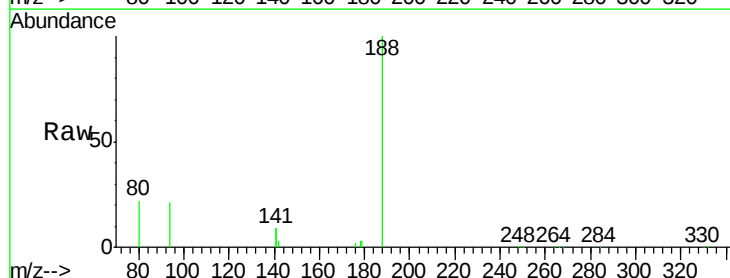
Tgt Ion:188 Resp: 170331

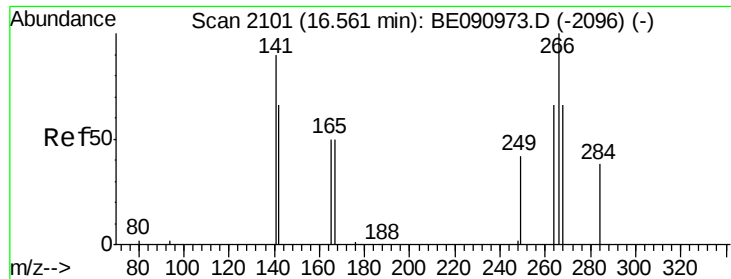
Ion Ratio Lower Upper

188 100

94 21.2 8.7 13.1#

80 22.5 9.4 14.0#





#22

Pentachlorophenol

Concen: 0.86 ng

RT: 15.89 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

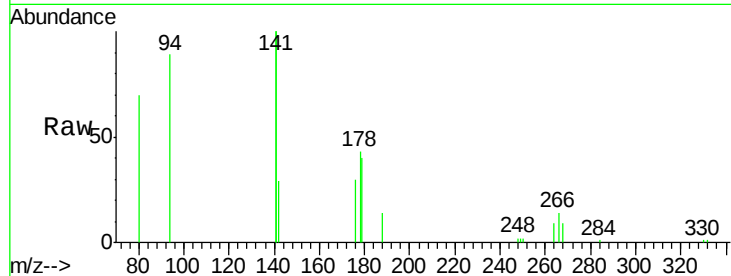
Tgt Ion:266 Resp: 1596

Ion Ratio Lower Upper

266 100

268 70.1 58.2 87.2

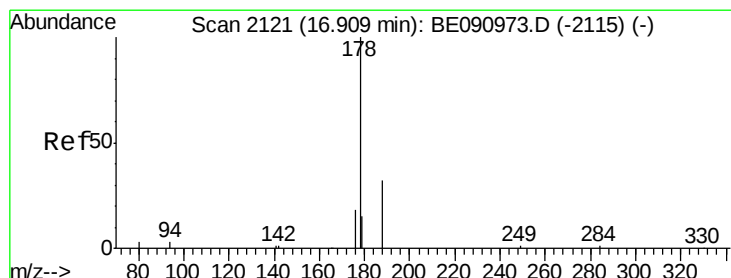
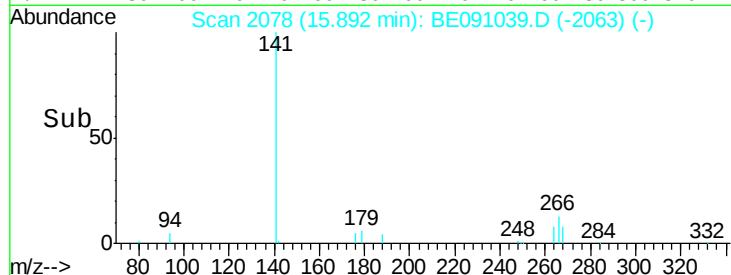
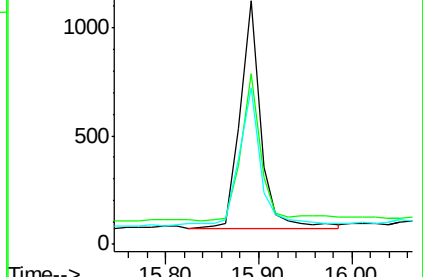
264 64.4 56.2 84.4



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



#23

Phenanthrene

Concen: 1.01 ng

RT: 16.17 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

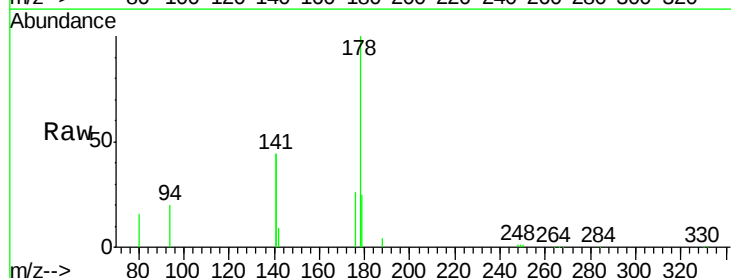
Tgt Ion:178 Resp: 41306

Ion Ratio Lower Upper

178 100

176 23.9 15.3 22.9#

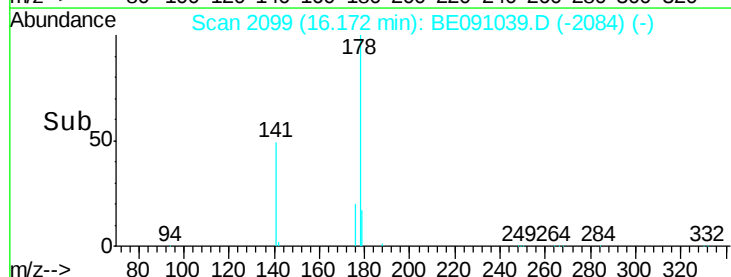
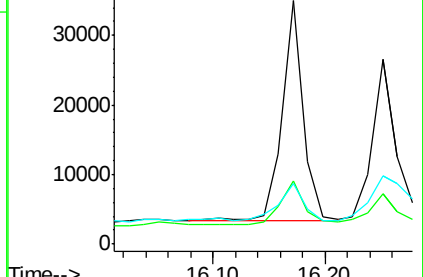
179 19.4 12.6 18.8#

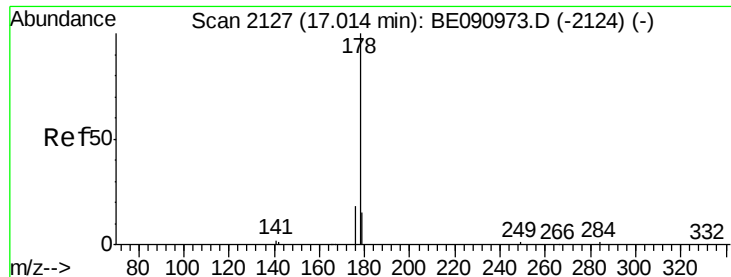


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 1.01 ng

RT: 16.25 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

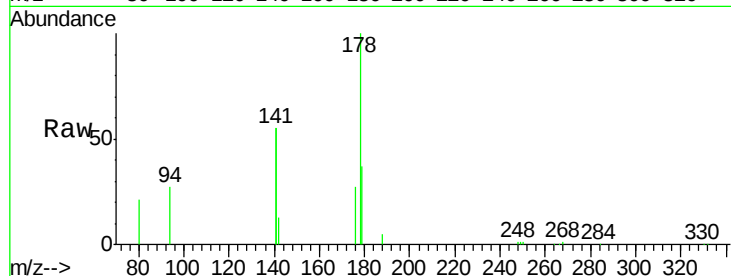
Tgt Ion:178 Resp: 36910

Ion Ratio Lower Upper

178 100

176 21.2 14.6 21.8

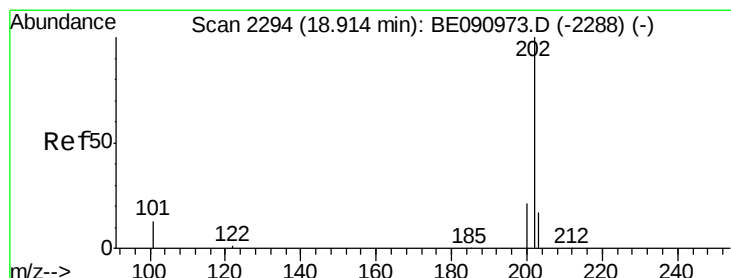
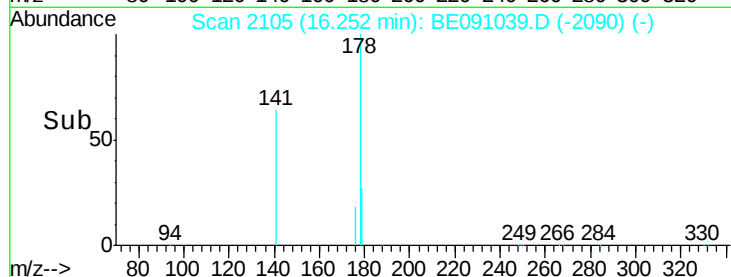
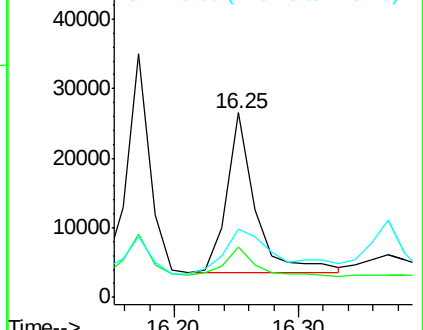
179 54.5 11.8 17.6#



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



#25

Fluoranthene

Concen: 0.42 ng

RT: 18.16 min Scan# 2311

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

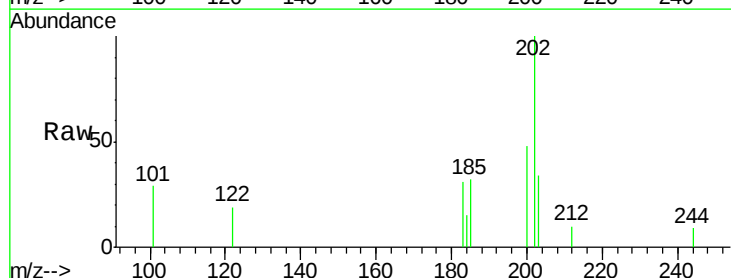
Tgt Ion:202 Resp: 20109

Ion Ratio Lower Upper

202 100

101 18.4 11.0 16.6#

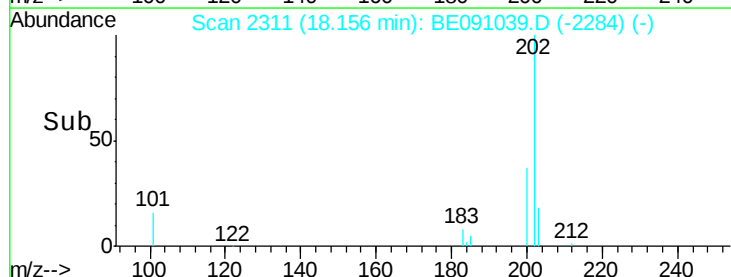
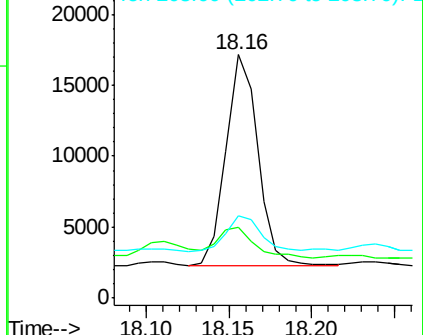
203 18.5 13.9 20.9

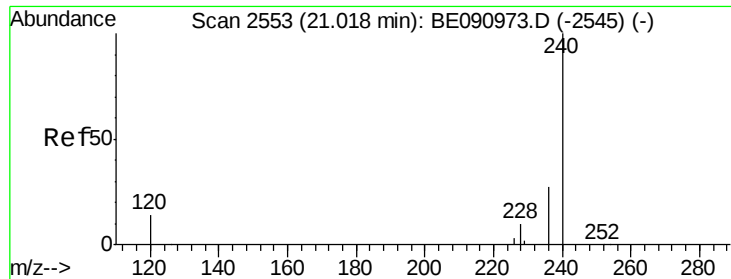


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#26

Chrysene-d12

Concen: 5.00 ng

RT: 20.30 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

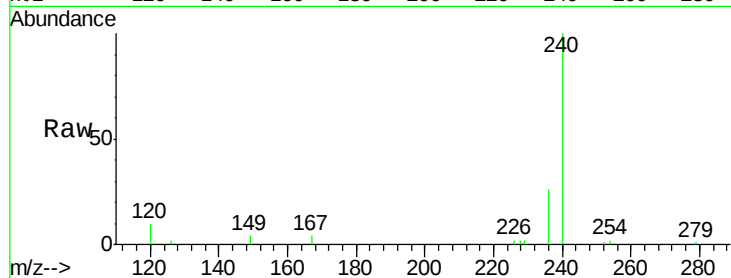
Tgt Ion:240 Resp: 183607

Ion Ratio Lower Upper

240 100

120 9.8 11.0 16.4#

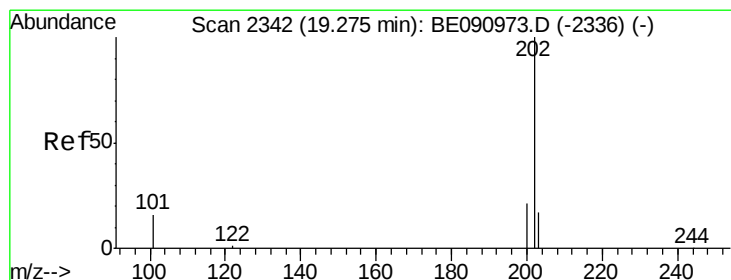
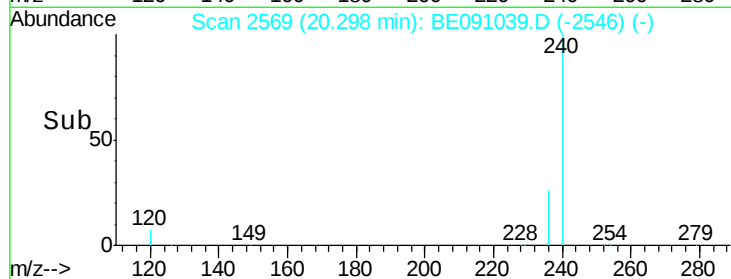
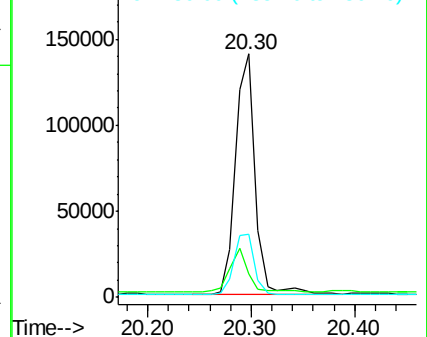
236 26.0 21.7 32.5



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



#28

Pyrene

Concen: 0.44 ng

RT: 18.54 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

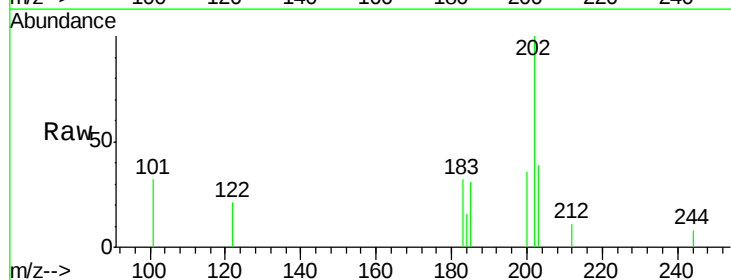
Tgt Ion:202 Resp: 19209

Ion Ratio Lower Upper

202 100

200 39.2 16.8 25.2#

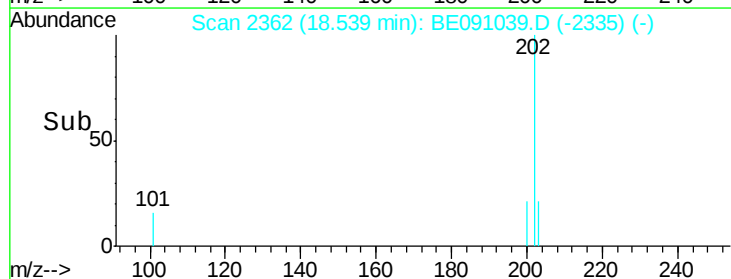
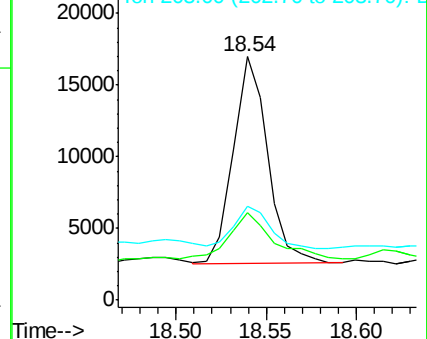
203 23.5 14.0 21.0#

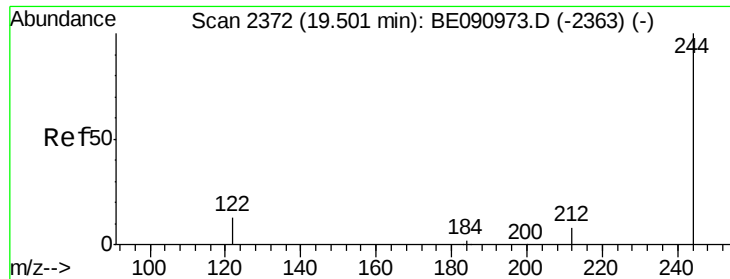


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 5.44 ng

RT: 18.69 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

Instrument :

BNA_E

ClientSampleId :

SB15-45-GW

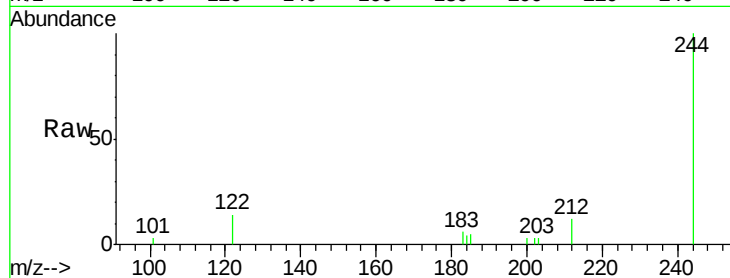
Tgt Ion:244 Resp: 123282

Ion Ratio Lower Upper

244 100

212 11.6 6.9 10.3#

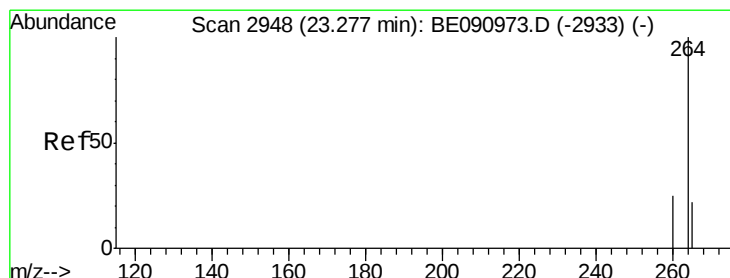
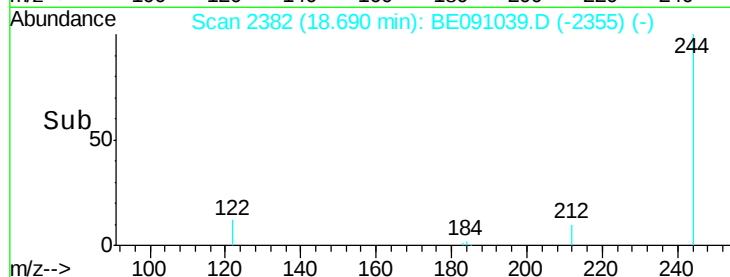
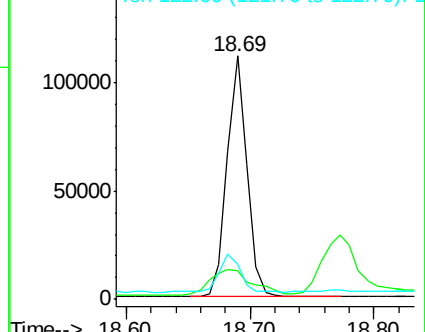
122 14.4 11.0 16.4



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



#35

Perylene-d12

Concen: 5.00 ng

RT: 22.20 min Scan# 2907

Delta R.T. 0.01 min

Lab File: BE091039.D

Acq: 23 Oct 2015 18:33

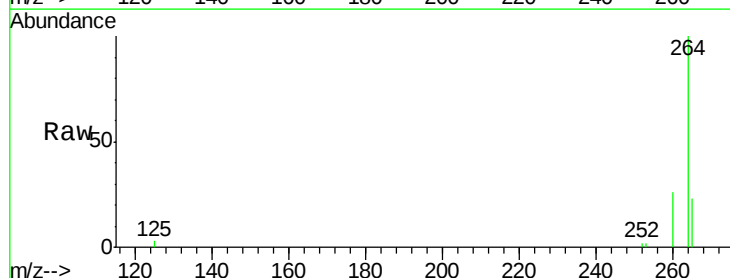
Tgt Ion:264 Resp: 175834

Ion Ratio Lower Upper

264 100

260 25.5 20.0 30.0

265 23.1 17.5 26.3



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

