

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
 Data File : BF089926.D
 Acq On : 26 Aug 2016 23:53
 Operator : UM/SJ
 Sample : H4576-08 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-GW

Quant Time: Aug 27 01:43:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

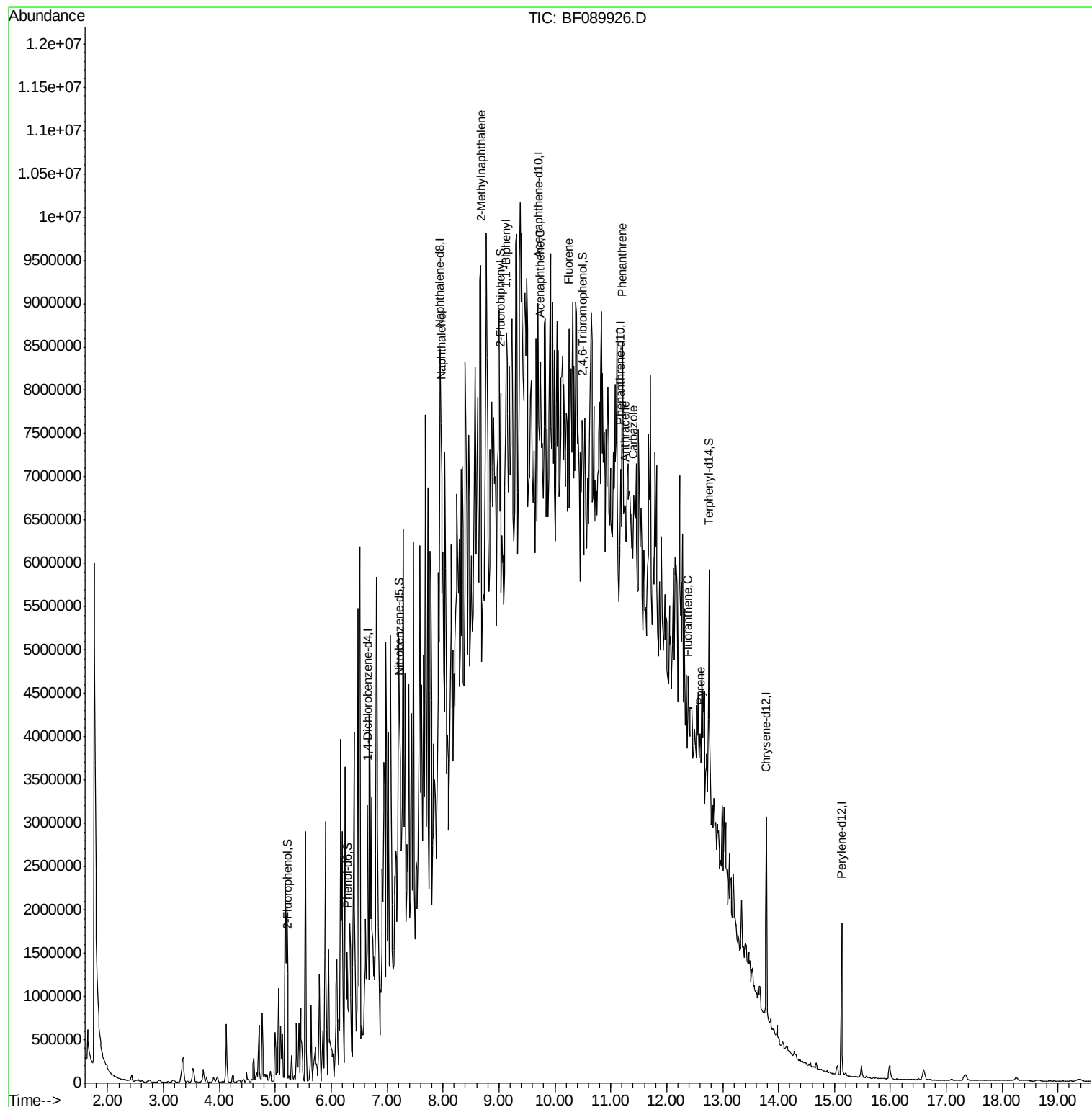
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	312869	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	882577	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	360109	20.00	ng	0.01
63) Phenanthrene-d10	11.18	188	802481	20.00	ng	0.02
75) Chrysene-d12	13.78	240	887942	20.00	ng	0.00
86) Perylene-d12	15.13	264	731022	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	559694	30.68	ng	0.00
7) Phenol-d6	6.28	99	495112	22.11	ng	-0.01
23) Nitrobenzene-d5	7.22	82	901712	63.47	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	191271	55.89	ng	0.01
44) 2-Fluorobiphenyl	9.03	172	1148245	56.04	ng	0.01
78) Terphenyl-d14	12.75	244	1031611	26.28	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	7.96	128	2095347	50.80	ng	98
37) 2-Methylnaphthalene	8.67	142	3051453	114.35	ng	# 94
45) 1,1'-Biphenyl	9.13	154	778339	27.93	ng	94
51) Acenaphthene	9.74	154	369836	16.88	ng	92
57) Fluorene	10.25	166	750946	34.25	ng	# 88
70) Phenanthrene	11.21	178	1988631	49.07	ng	# 96
71) Anthracene	11.26	178	317338m	7.70	ng	
72) Carbazole	11.41	167	219664	5.94	ng	# 68
74) Fluoranthene	12.38	202	99814	2.59	ng	70
77) Pyrene	12.61	202	401213m	5.55	ng	

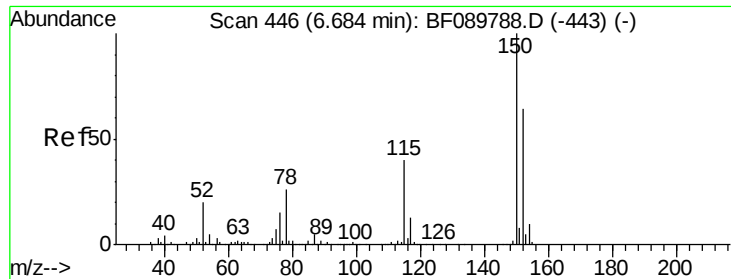
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089926.D
Acq On : 26 Aug 2016 23:53
Operator : UM/SJ
Sample : H4576-08 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21B-GW

Quant Time: Aug 27 01:43:53 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 26 18:51:25 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.00 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_F

ClientSampleId :

SB-21B-GW

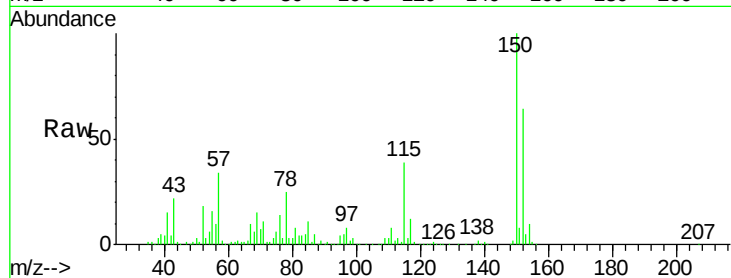
Tot Ion:152 Resp: 312869

Ion Ratio Lower Upper

152 100

150 156.8 125.3 187.9

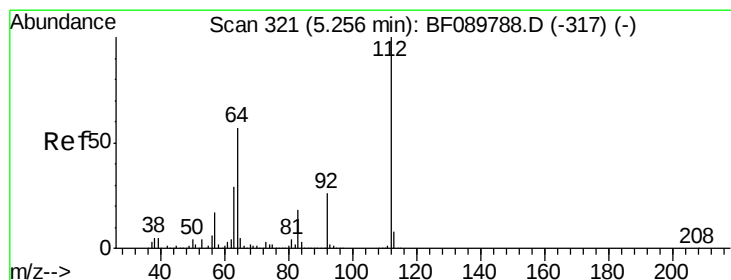
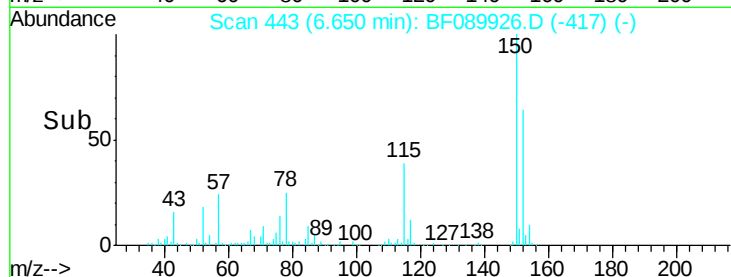
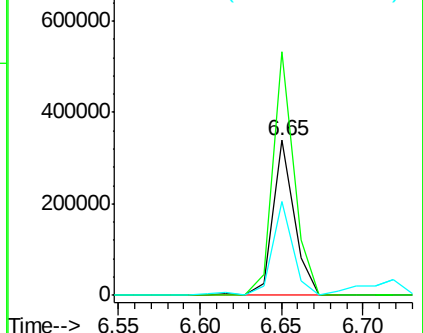
115 60.9 40.9 61.3



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



#5

2-Fluorophenol

Concen: 30.68 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.00 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

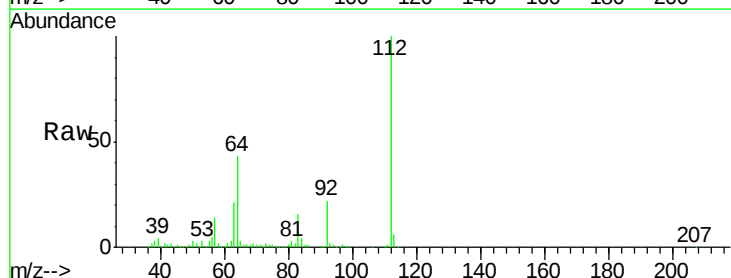
Tgt Ion:112 Resp: 559694

Ion Ratio Lower Upper

112 100

64 42.6 45.0 67.4#

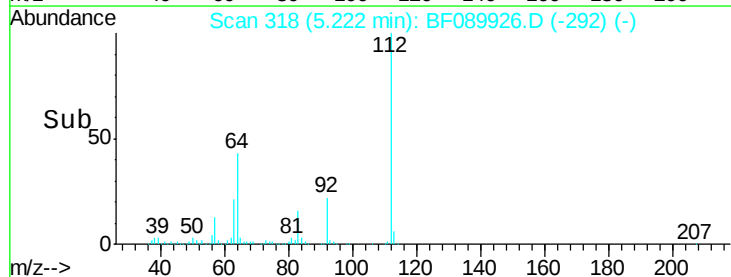
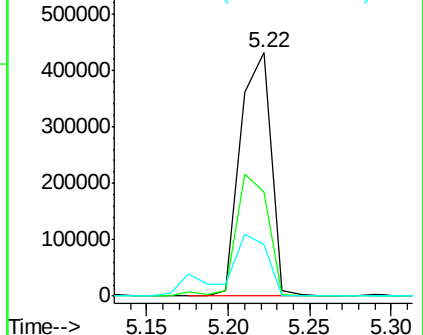
63 21.0 23.1 34.7#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.11 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

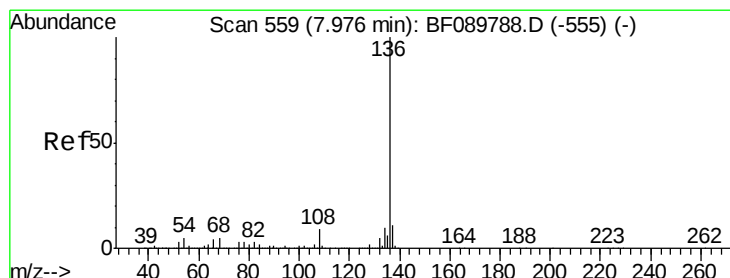
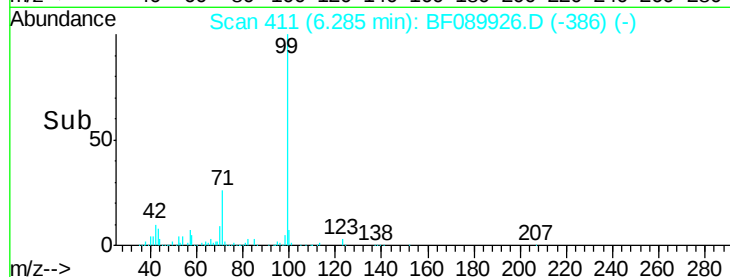
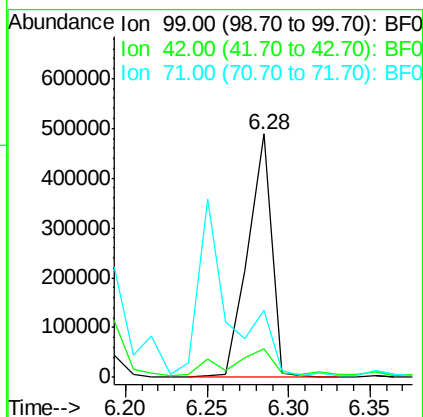
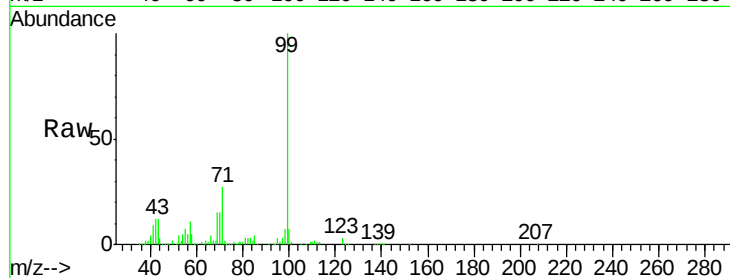
BNA_F

ClientSampleId :

SB-21B-GW

Tot Ion: 99 Resp: 495112

Ion	Ratio	Lower	Upper
99	100		
42	11.7	12.2	18.4#
71	27.5	23.8	35.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

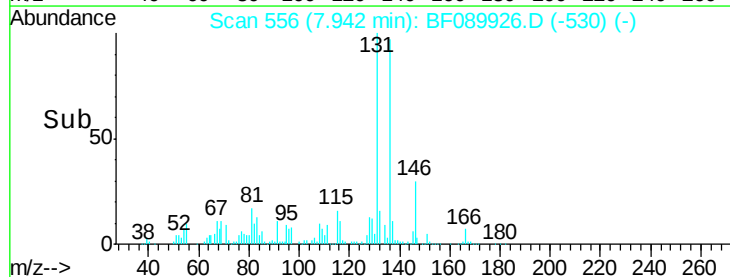
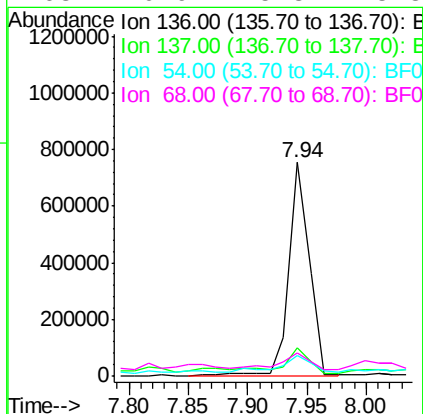
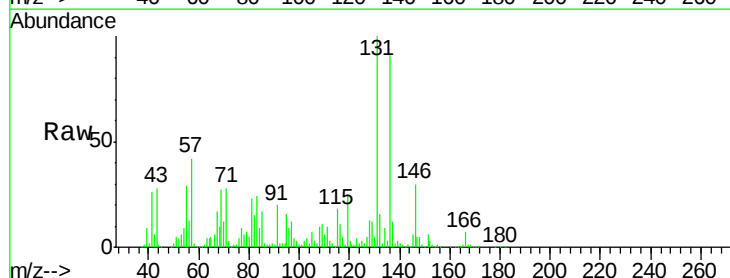
Delta R.T. -0.00 min

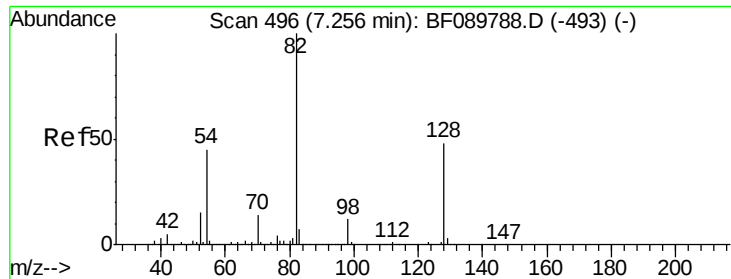
Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Tgt Ion: 136 Resp: 882577

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.2	13.8
54	9.4	7.2	10.8
68	10.9	5.8	8.8#

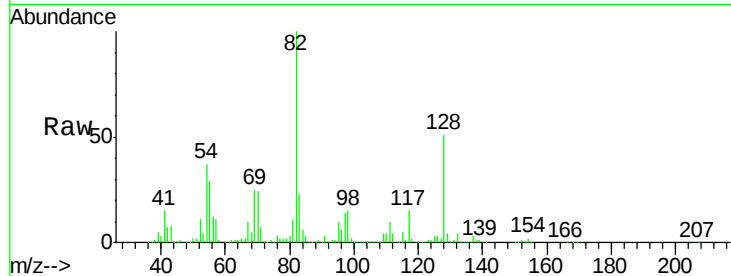




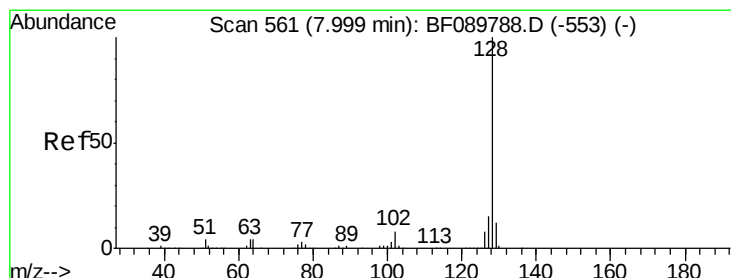
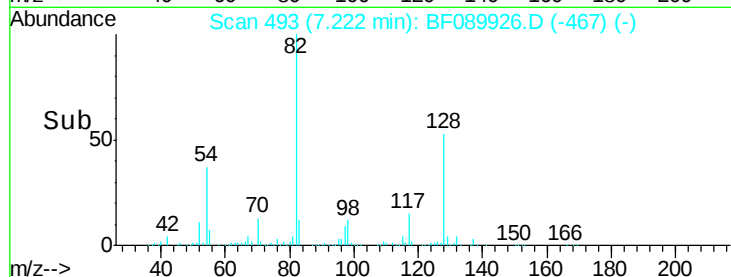
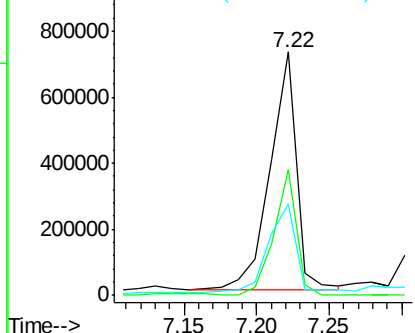
#23
Nitrobenzene-d5
Concen: 63.47 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.00 min
Lab File: BF089926.D
Acq: 26 Aug 2016 23:53

Instrument :
BNA_F
ClientSampleId :
SB-21B-GW

Tot Ion	82	Resp	901712
Ion Ratio	Lower	Upper	
82	100		
128	51.5	34.4	51.6
54	37.3	40.3	60.5#

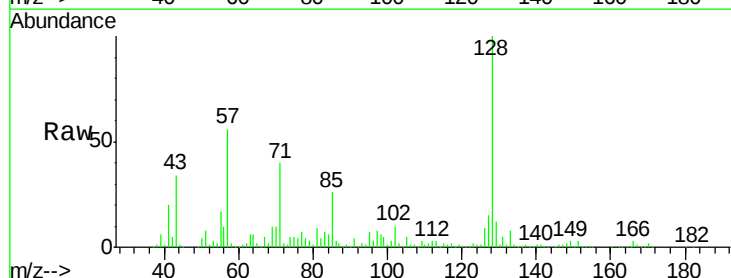


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

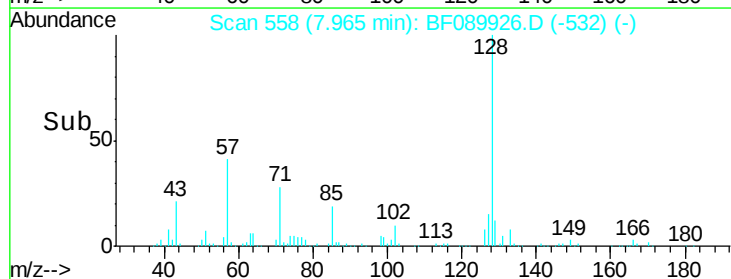
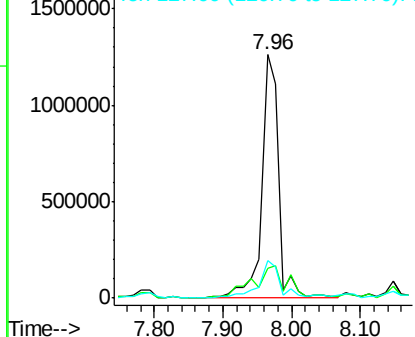


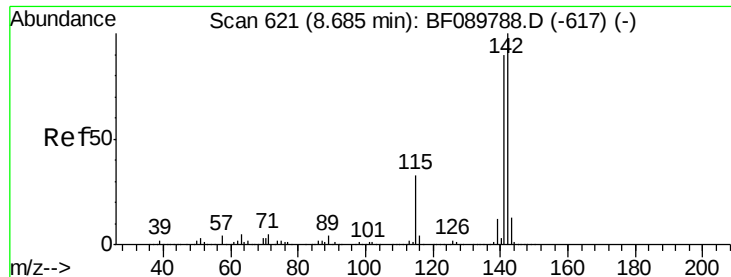
#31
Naphthalene
Concen: 50.80 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF089926.D
Acq: 26 Aug 2016 23:53

Tgt Ion	128	Resp	2095347
Ion Ratio	Lower	Upper	
128	100		
129	12.4	9.5	14.3
127	15.2	11.3	16.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

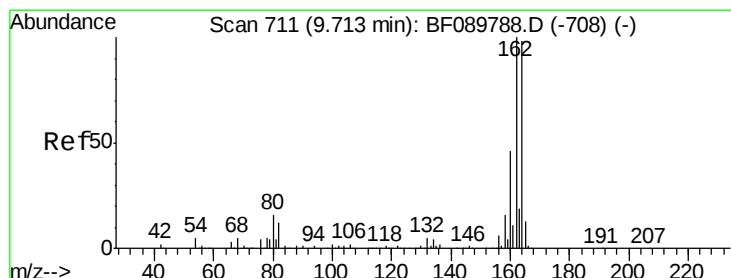
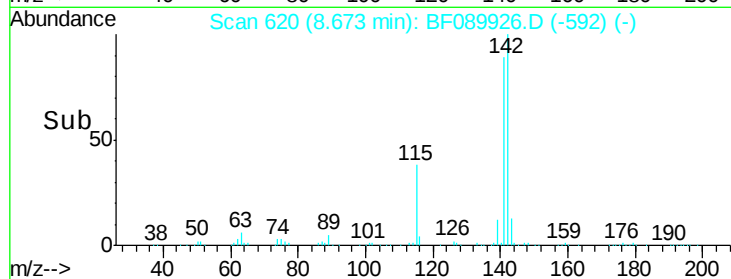
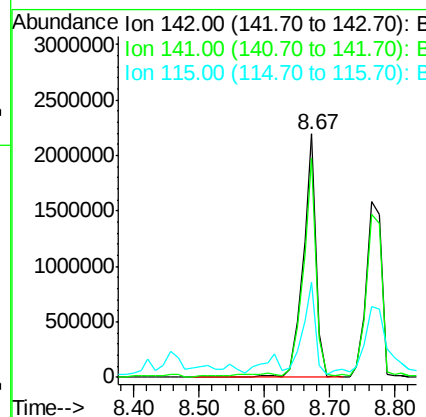
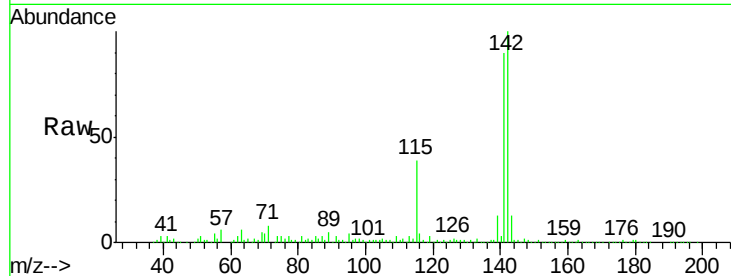




#37
 2-Methylnaphthalene
 Concen: 114.35 ng
 RT: 8.67 min Scan# 620
 Delta R.T. 0.02 min
 Lab File: BF089926.D
 Acq: 26 Aug 2016 23:53

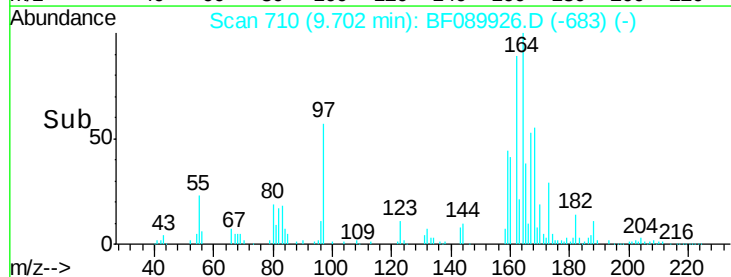
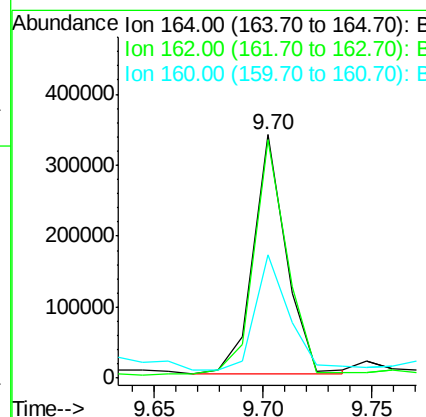
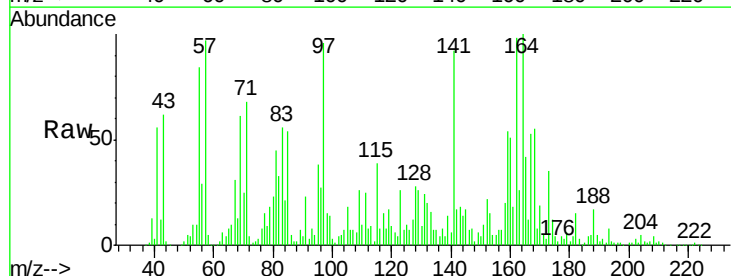
Instrument :
 BNA_F
 ClientSampleID :
 SB-21B-GW

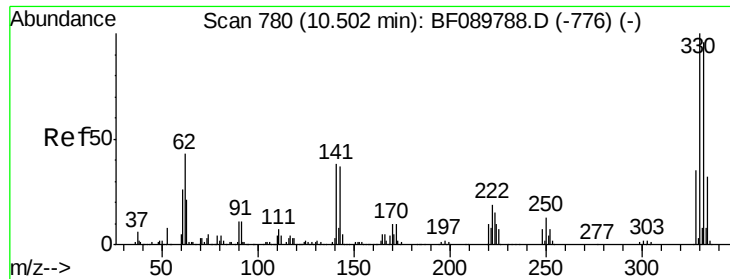
Tot Ion:142 Resp: 3051453
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.4 107.2
 115 38.8 22.7 34.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: BF089926.D
 Acq: 26 Aug 2016 23:53

Tgt Ion:164 Resp: 360109
 Ion Ratio Lower Upper
 164 100
 162 97.7 81.4 122.2
 160 50.6 37.8 56.6

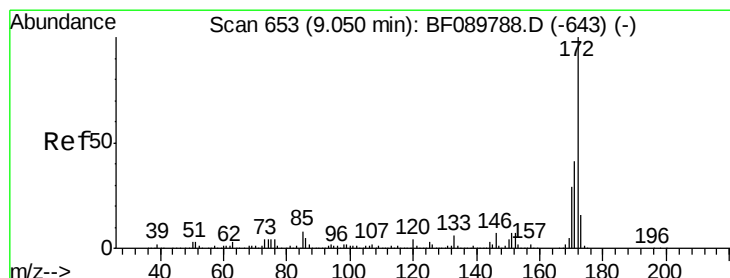
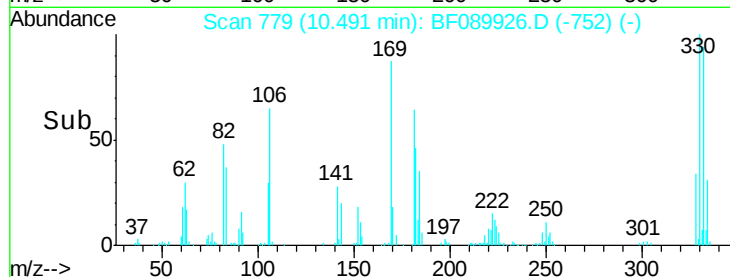
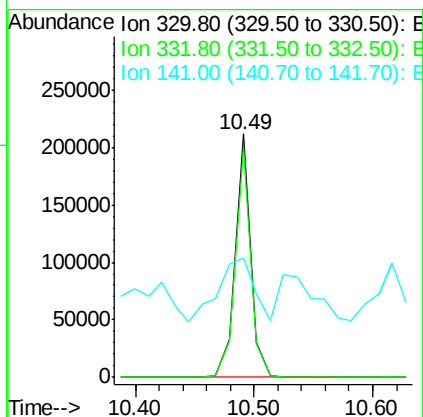
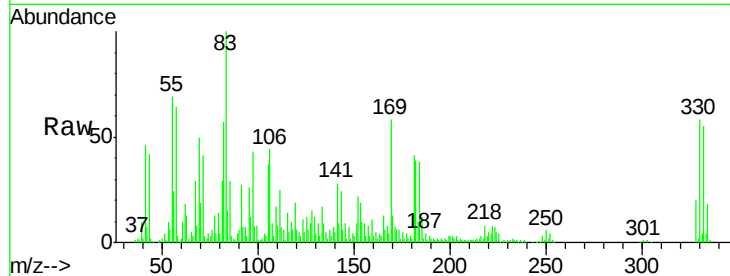




#41
 2,4,6-Tribromophenol
 Concen: 55.89 ng
 RT: 10.49 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: BF089926.D
 Acq: 26 Aug 2016 23:53

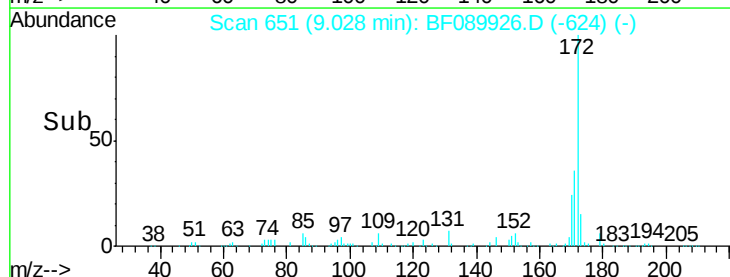
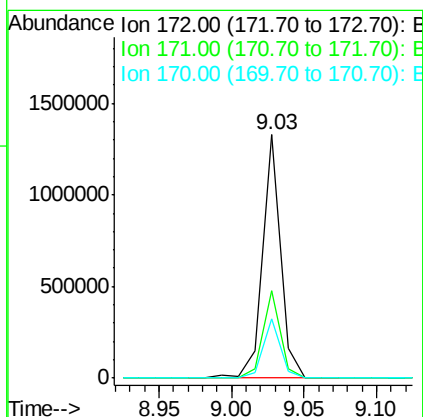
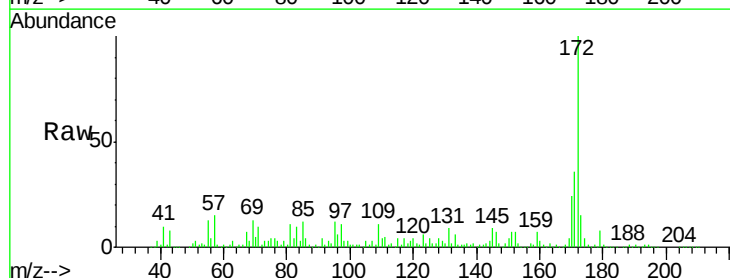
Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-GW

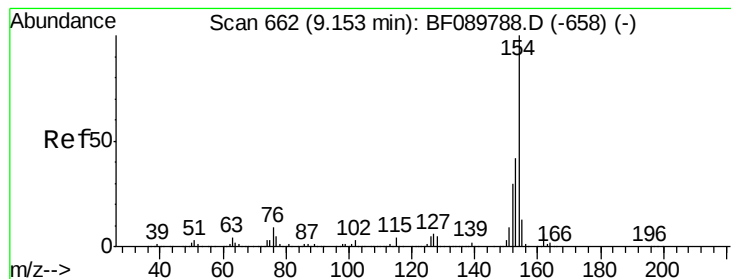
Tot Ion:330 Resp: 191271
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.7 115.1
 141 60.2 30.2 45.2#



#44
 2-Fluorobiphenyl
 Concen: 56.04 ng
 RT: 9.03 min Scan# 651
 Delta R.T. 0.01 min
 Lab File: BF089926.D
 Acq: 26 Aug 2016 23:53

Tgt Ion:172 Resp: 1148245
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.5 45.7
 170 24.2 20.6 31.0





#45

1,1'-Biphenyl

Concen: 27.93 ng

RT: 9.13 min Scan# 660

Delta R.T. 0.01 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_F

ClientSampleId :

SB-21B-GW

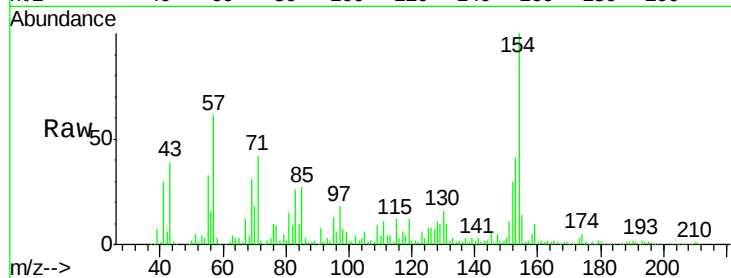
Tot Ion:154 Resp: 778339

Ion Ratio Lower Upper

154 100

153 40.5 21.5 61.5

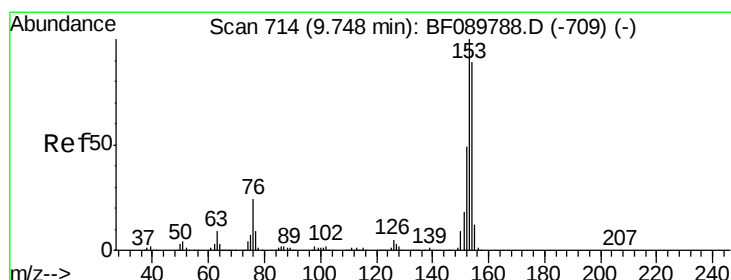
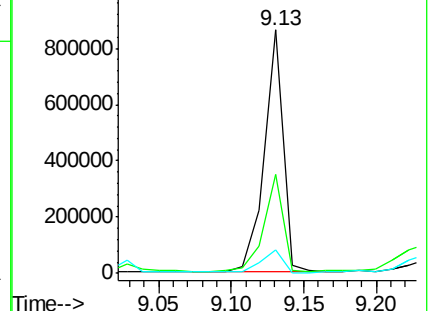
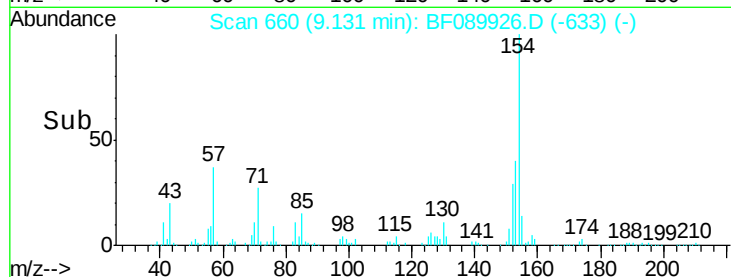
76 9.6 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 16.88 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.01 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

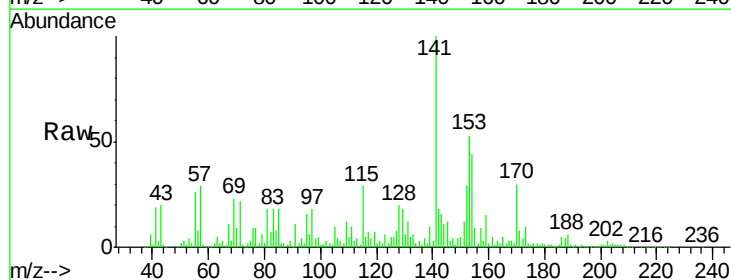
Tgt Ion:154 Resp: 369836

Ion Ratio Lower Upper

154 100

153 119.6 90.5 135.7

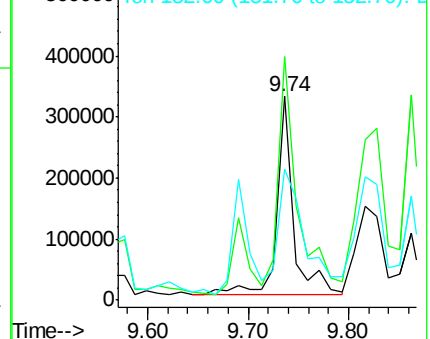
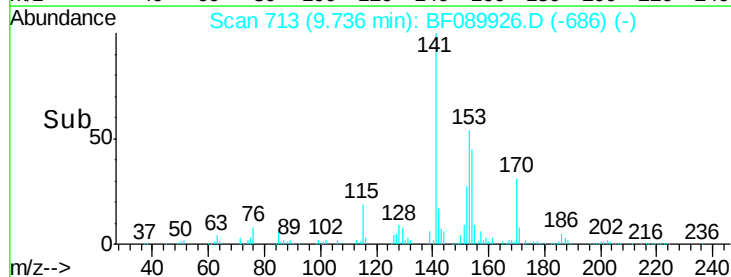
152 64.4 44.6 67.0

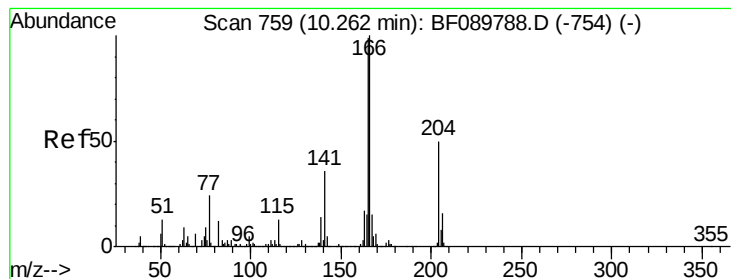


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 34.25 ng

RT: 10.25 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_F

ClientSampleId :

SB-21B-GW

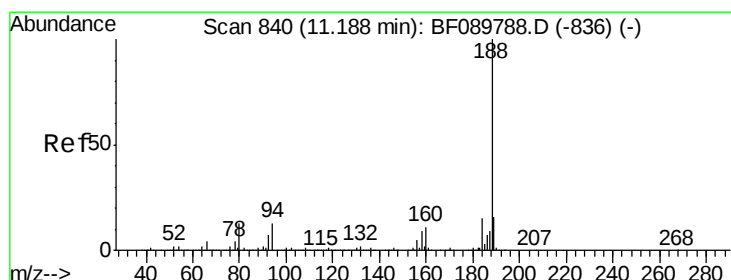
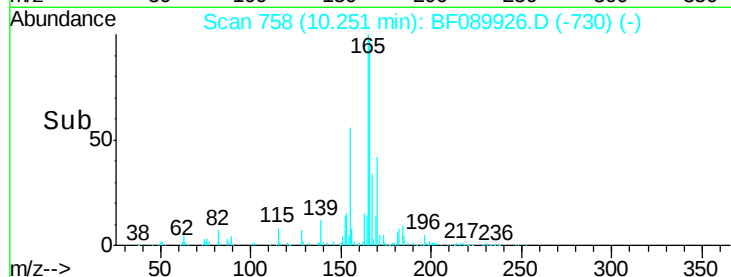
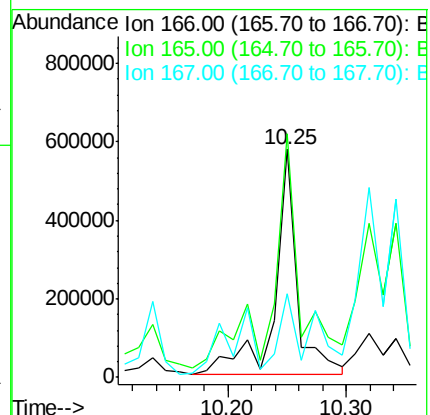
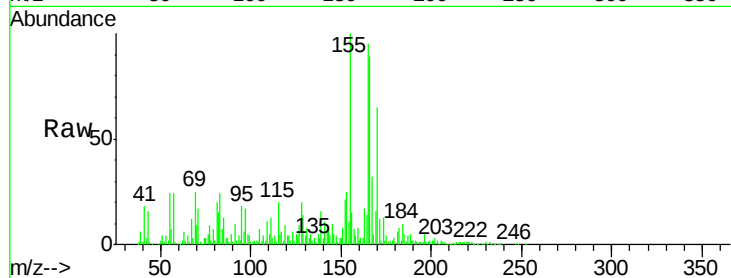
Tot Ion:166 Resp: 750946

Ion Ratio Lower Upper

166 100

165 106.7 80.2 120.4

167 36.4 11.3 16.9#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. 0.02 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

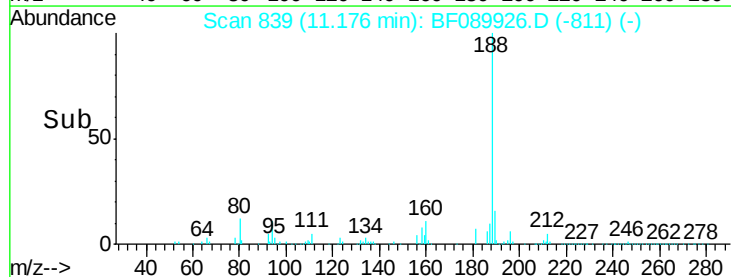
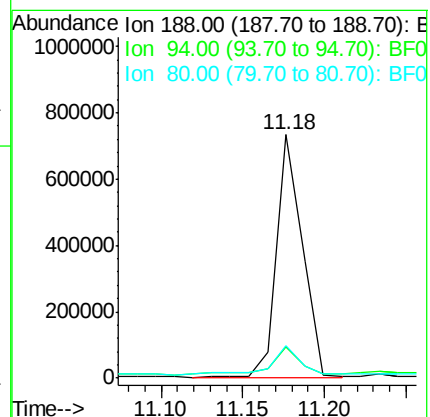
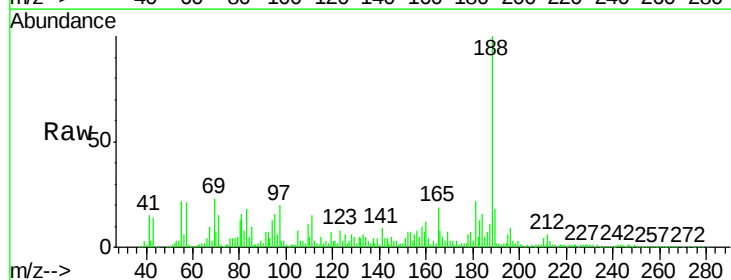
Tgt Ion:188 Resp: 802481

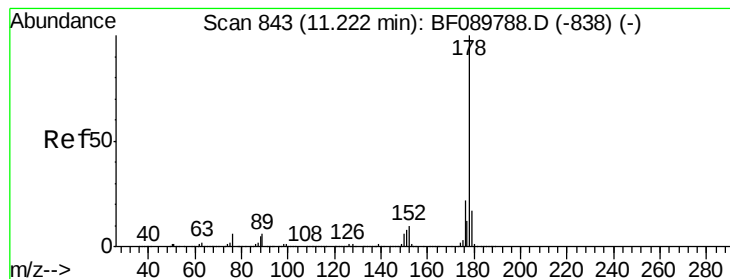
Ion Ratio Lower Upper

188 100

94 12.8 10.2 15.2

80 13.1 10.9 16.3





#70

Phenanthrene

Concen: 49.07 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.02 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_F

ClientSampleId :

SB-21B-GW

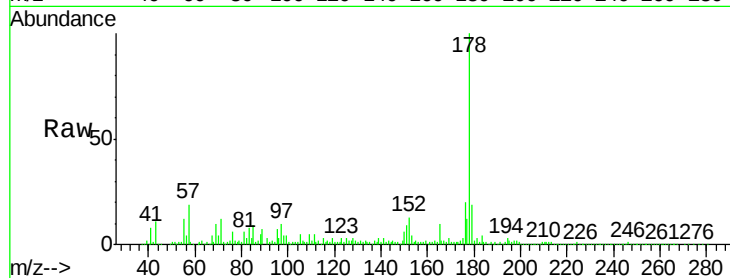
Tot Ion:178 Resp: 1988631

Ion Ratio Lower Upper

178 100

176 20.3 16.4 24.6

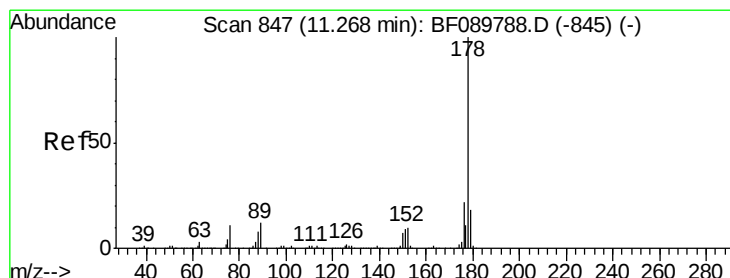
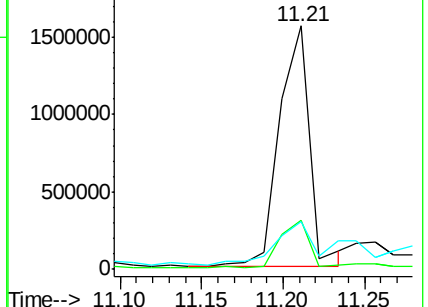
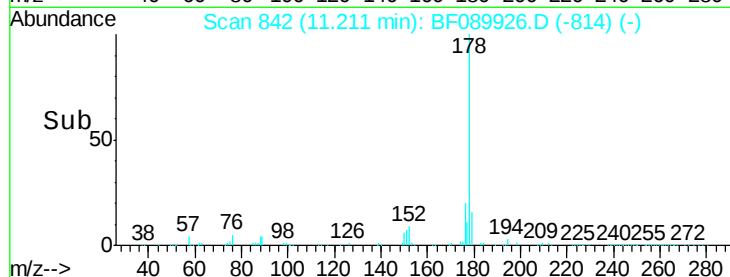
179 19.5 12.5 18.7#



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



#71

Anthracene

Concen: 7.70 ng m

RT: 11.26 min Scan# 846

Delta R.T. 0.02 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

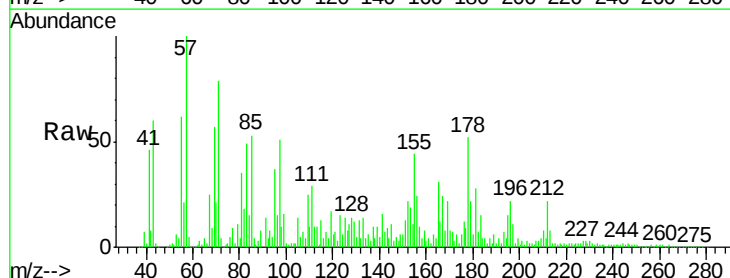
Tgt Ion:178 Resp: 317338

Ion Ratio Lower Upper

178 100

176 22.2 16.4 24.6

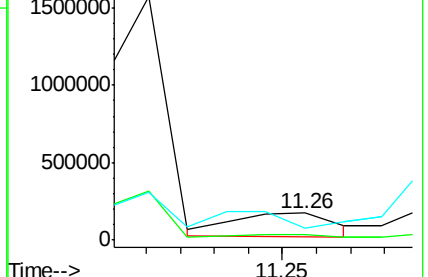
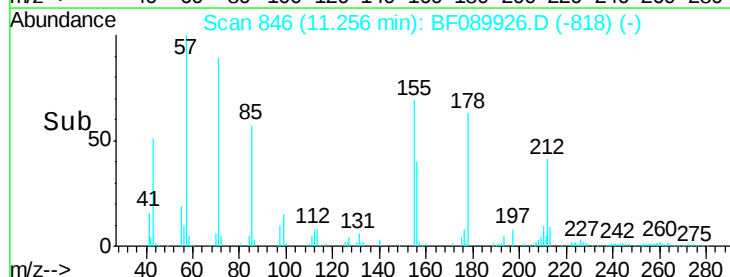
179 43.1 13.1 19.7#

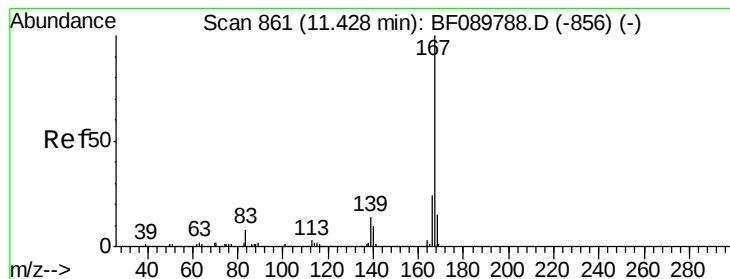


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.94 ng

RT: 11.41 min Scan# 859

Delta R.T. 0.01 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_F

ClientSampleId :

SB-21B-GW

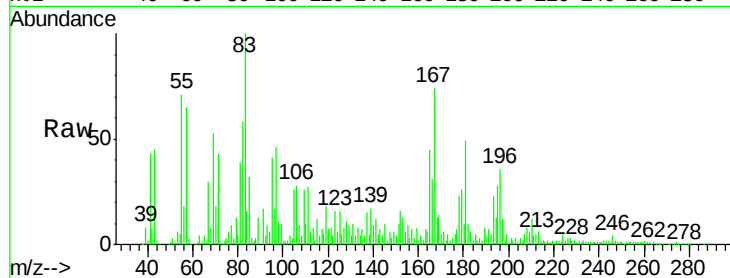
Tot Ion:167 Resp: 219664

Ion Ratio Lower Upper

167 100

166 42.4 17.9 26.9#

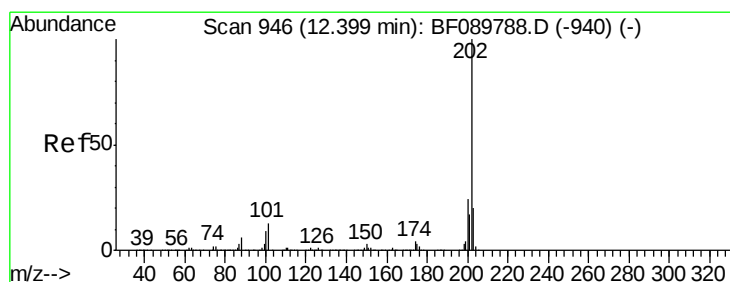
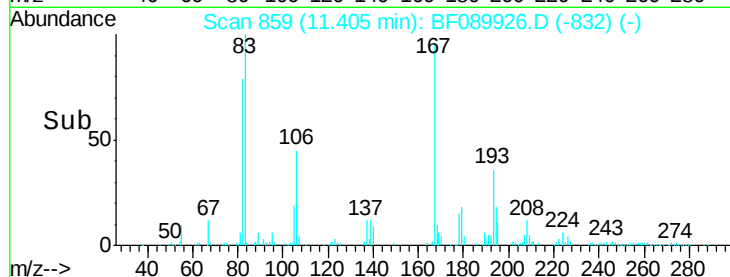
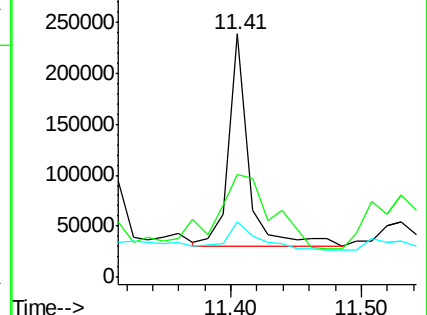
139 22.8 12.4 18.6#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 2.59 ng

RT: 12.38 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

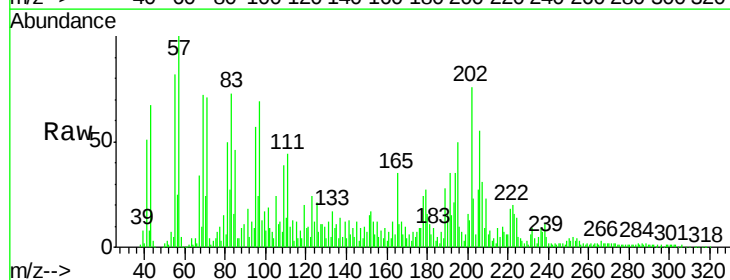
Tgt Ion:202 Resp: 99814

Ion Ratio Lower Upper

202 100

101 24.6 0.0 31.2

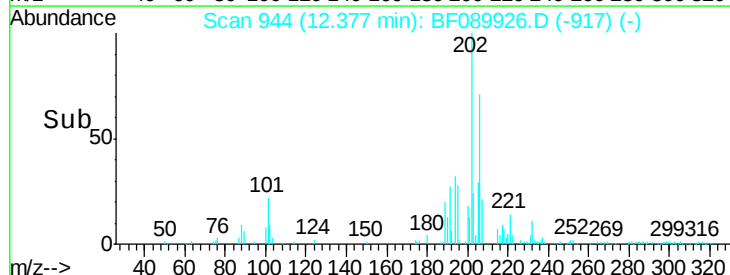
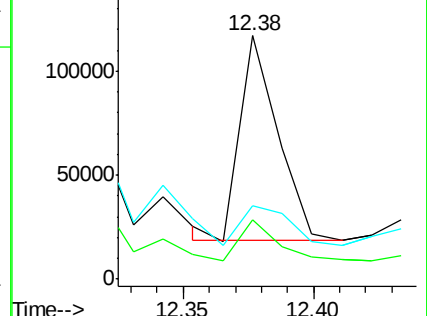
203 30.0 0.0 38.1

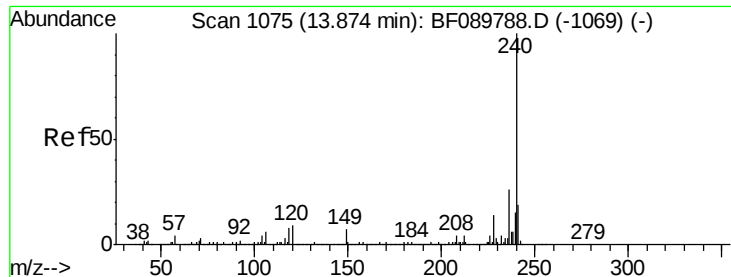


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_F

ClientSampleId :

SB-21B-GW

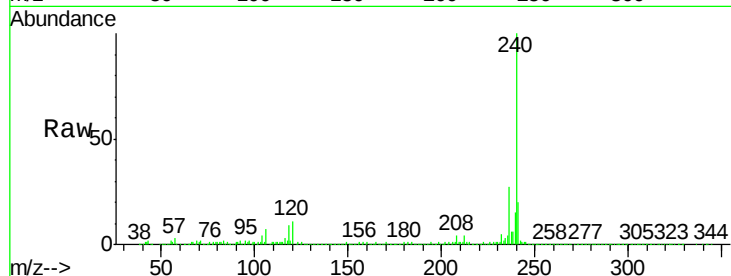
Tot Ion:240 Resp: 887942

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

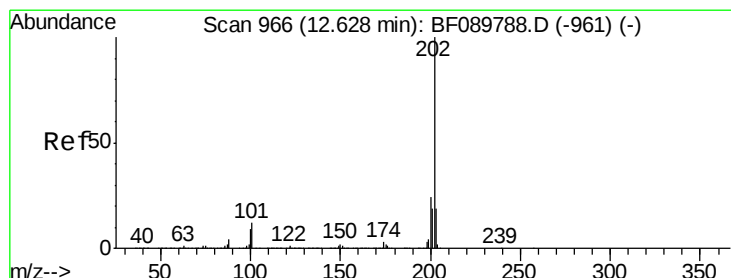
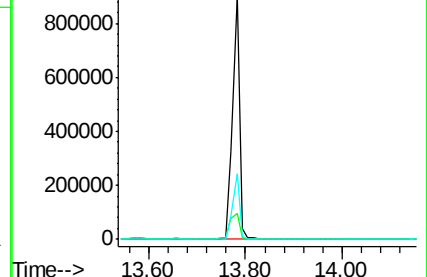
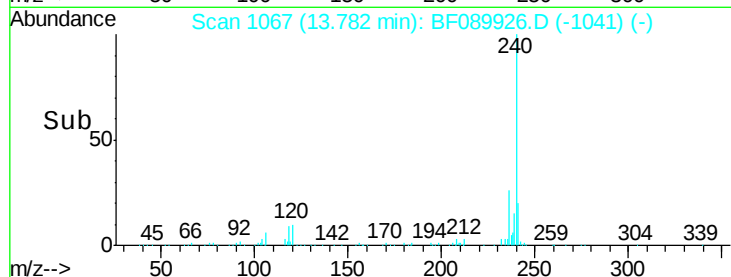
236 26.8 21.3 31.9



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



#77

Pyrene

Concen: 5.55 ng m

RT: 12.61 min Scan# 964

Delta R.T. 0.02 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

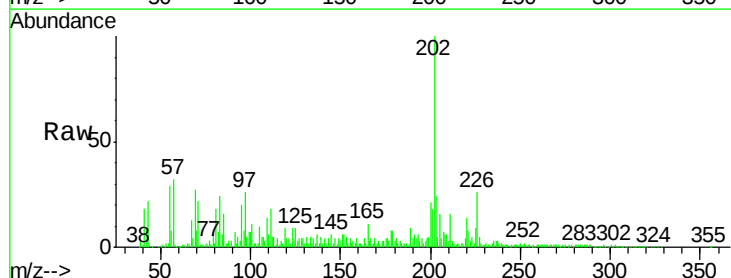
Tgt Ion:202 Resp: 401213

Ion Ratio Lower Upper

202 100

200 20.8 17.8 26.6

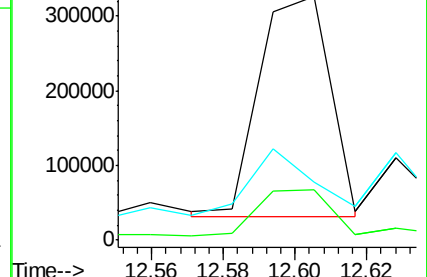
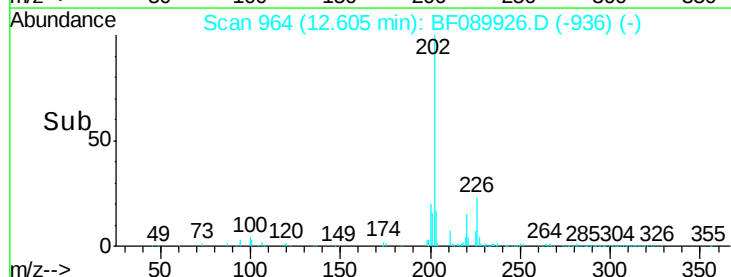
203 23.9 14.2 21.4#

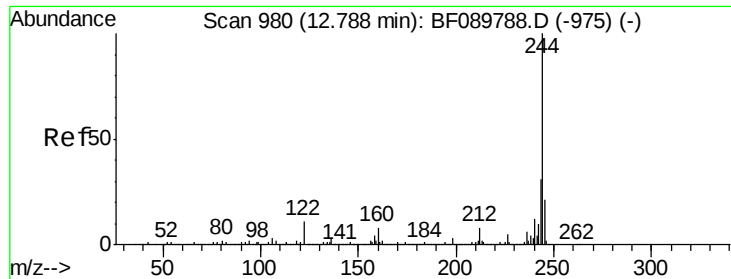


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.28 ng

RT: 12.75 min Scan# 977

Delta R.T. 0.01 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Instrument :

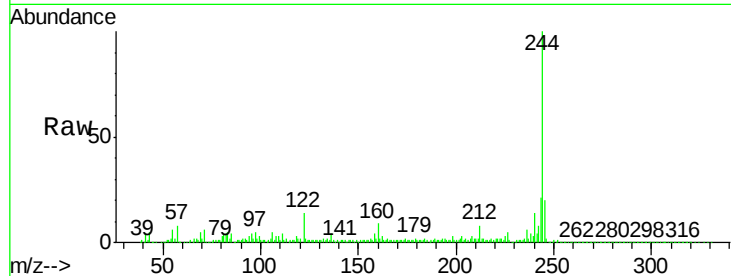
BNA_F

ClientSampleId :

SB-21B-GW

Tot Ion:244 Resp: 1031611

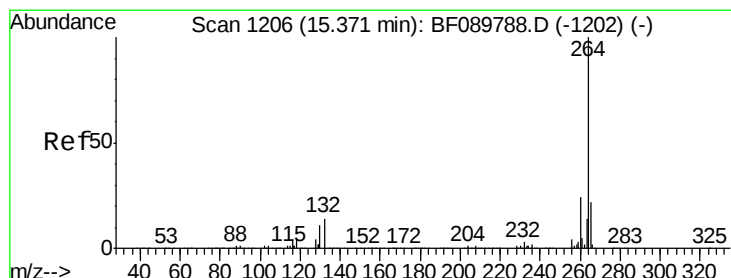
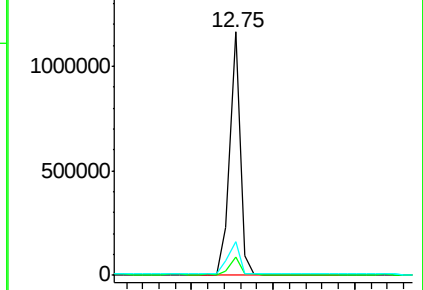
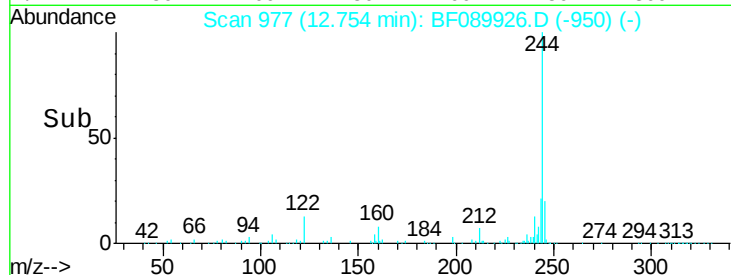
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.3	9.5
122	13.7	12.0	18.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

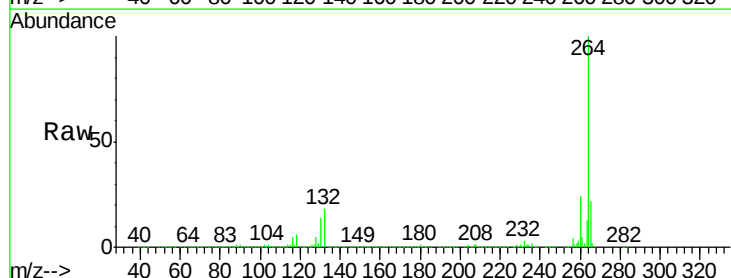
Delta R.T. -0.00 min

Lab File: BF089926.D

Acq: 26 Aug 2016 23:53

Tgt Ion:264 Resp: 731022

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.2	30.2
265	21.7	17.4	26.2



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

