

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086922.D
 Acq On : 12 May 2016 9:19
 Operator : UM/SJ
 Sample : H2961-02DL 50X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-4DL

Quant Time: May 12 15:47:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 15:26:18 2016
 Response via : Initial Calibration

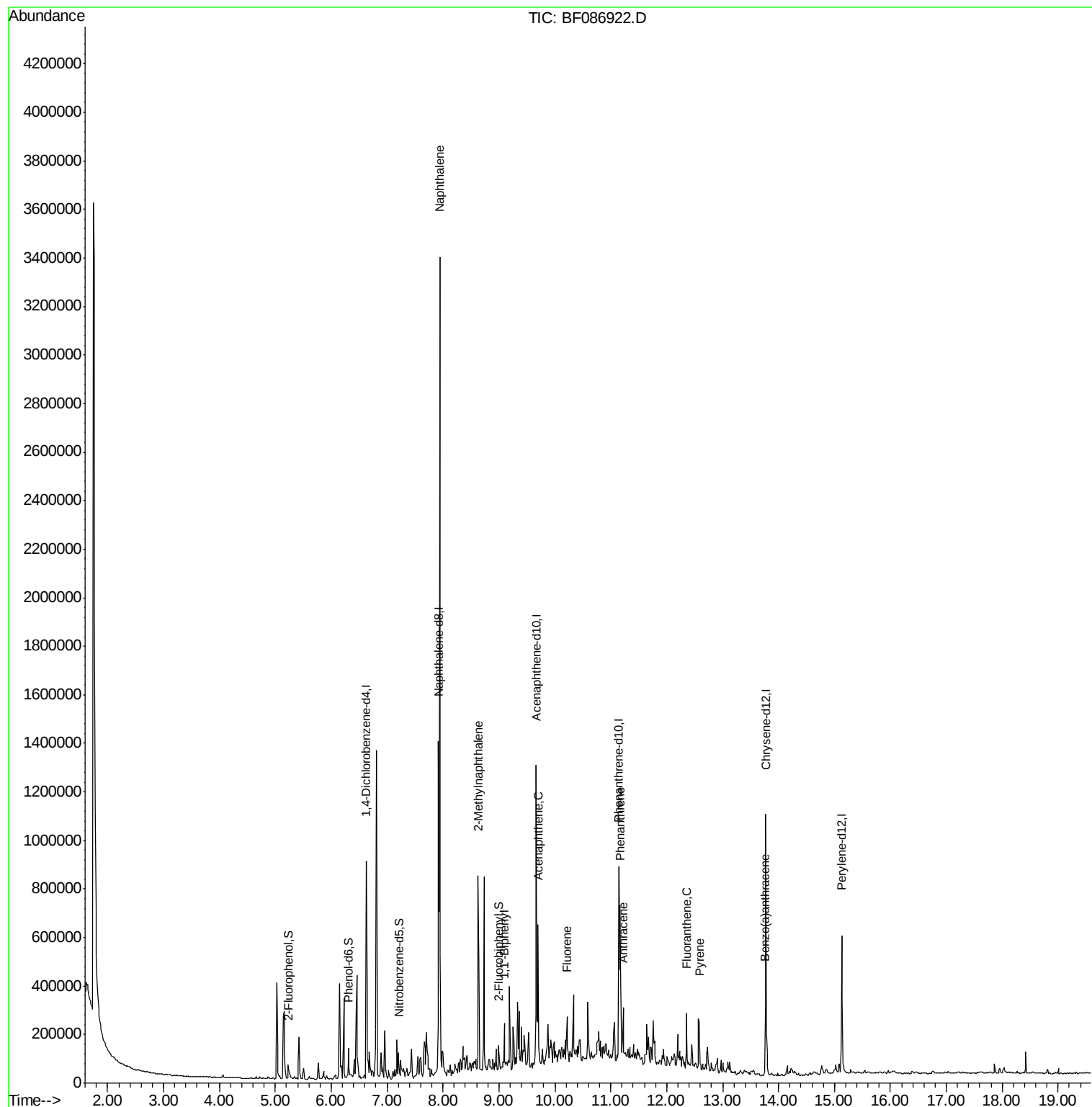
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	133412	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	525964	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	211757	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	317890	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	329890	20.00	ng	-0.01
86) Perylene-d12	15.13	264	247627	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	22018	2.79	ng	0.00
7) Phenol-d6	6.31	99	28868	2.74	ng	-0.01
23) Nitrobenzene-d5	7.21	82	21393	2.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	3559	1.59	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	35850	2.85	ng	-0.01
78) Terphenyl-d14	12.73	244	28848	1.86	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.94	128	1298792	49.30	ng	98
37) 2-Methylnaphthalene	8.63	142	266803m	17.32	ng	
45) 1,1'-Biphenyl	9.10	154	44291	2.63	ng	98
51) Acenaphthene	9.70	154	128928	10.68	ng	98
57) Fluorene	10.22	166	73335	5.55	ng	97
70) Phenanthrene	11.16	178	253054	14.92	ng	99
71) Anthracene	11.22	178	75828	4.37	ng	98
74) Fluoranthene	12.35	202	81737	4.68	ng	92
77) Pyrene	12.58	202	125095	4.95	ng	99
80) Benzo(a)anthracene	13.76	228	45418	2.45	ng	# 76

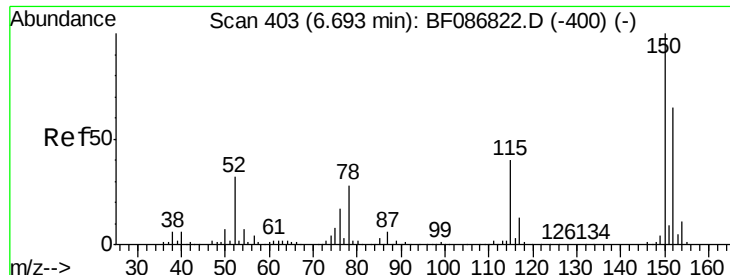
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4DL

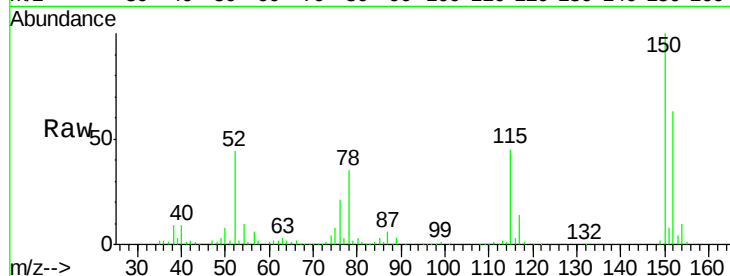
Tgt Ion:152 Resp: 133412

Ion Ratio Lower Upper

152 100

150 159.8 125.8 188.6

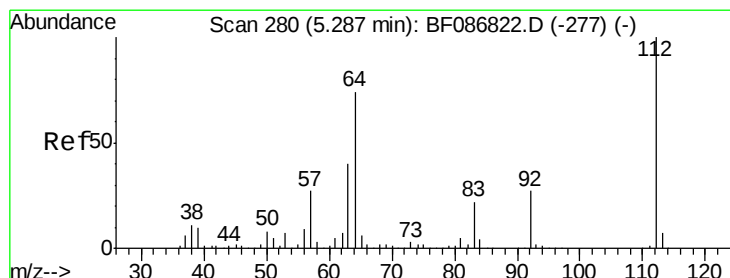
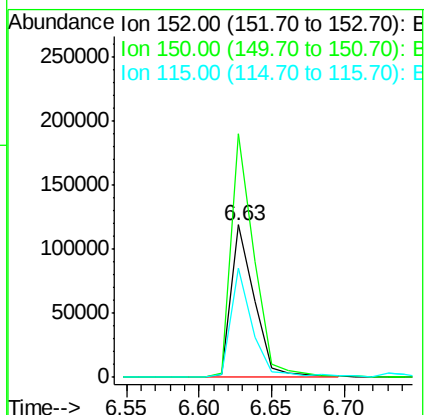
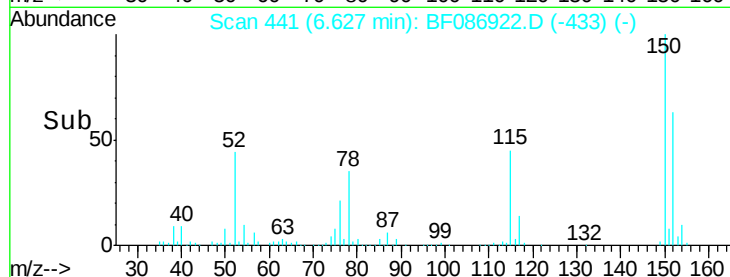
115 71.7 51.5 77.3



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: 2.79 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.00 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

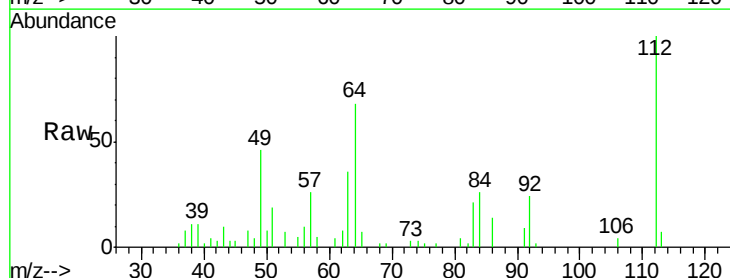
Tgt Ion:112 Resp: 22018

Ion Ratio Lower Upper

112 100

64 68.1 52.1 78.1

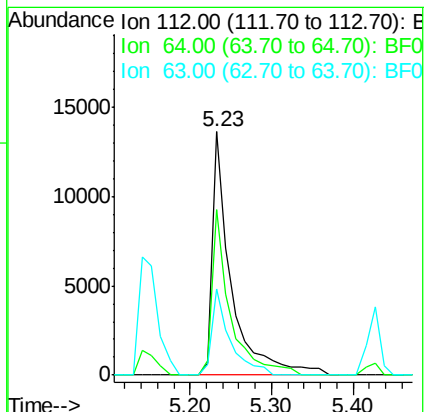
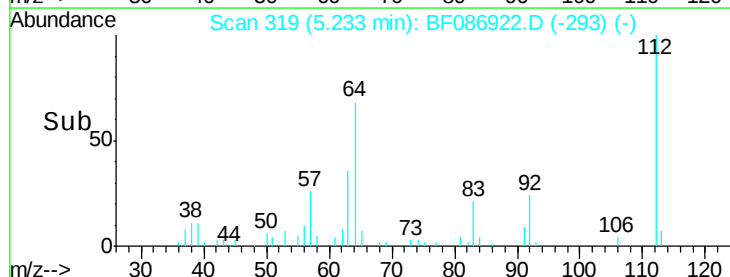
63 35.5 25.7 38.5

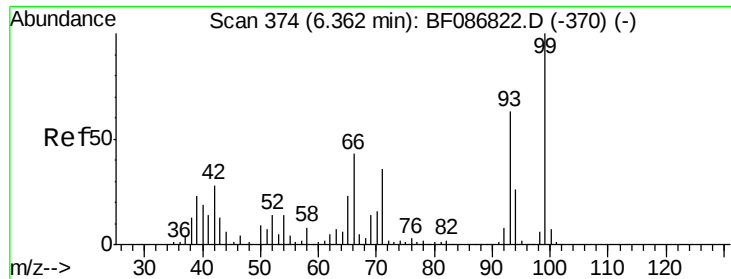


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.74 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4DL

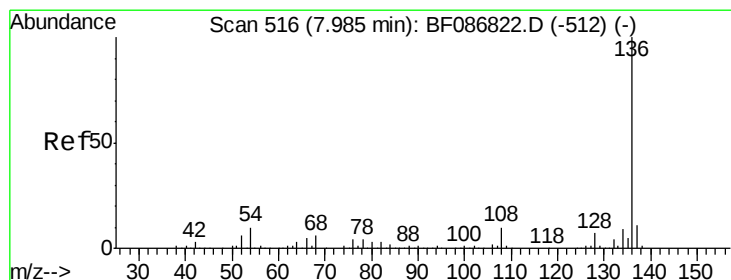
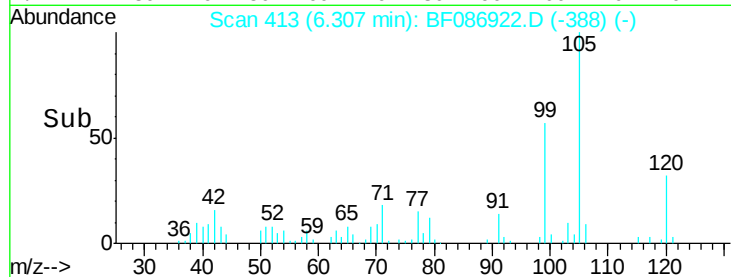
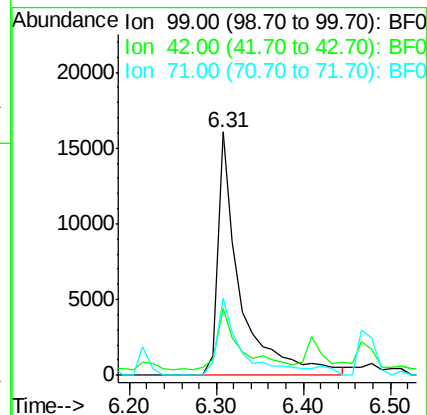
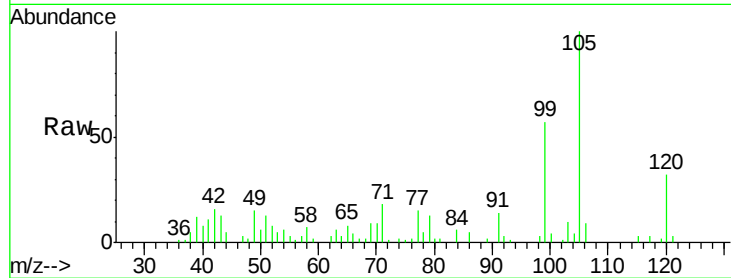
Tgt Ion: 99 Resp: 28868

Ion Ratio Lower Upper

99 100

42 27.7 13.6 20.4#

71 31.8 24.6 36.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Tgt Ion: 136 Resp: 525964

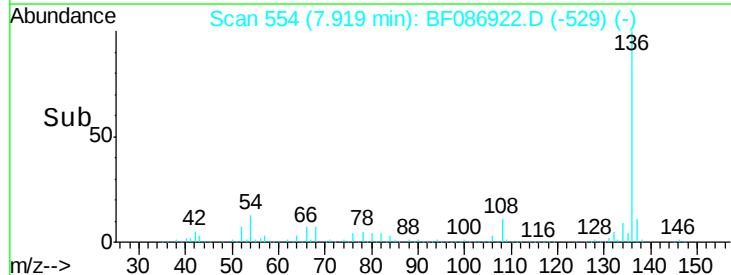
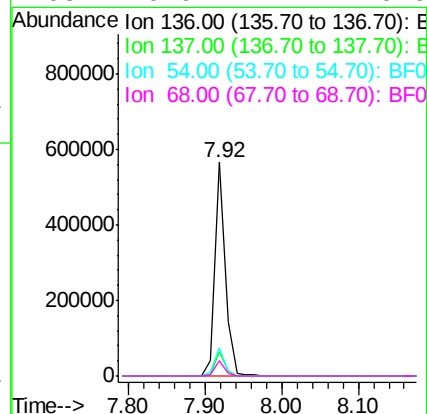
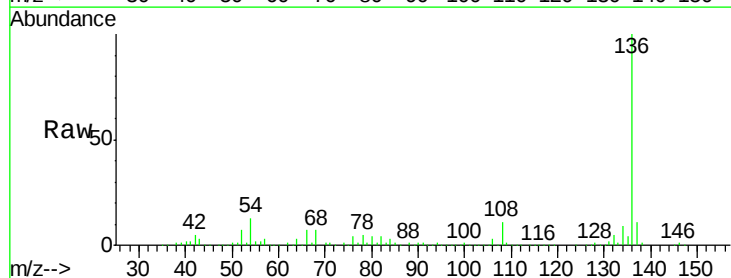
Ion Ratio Lower Upper

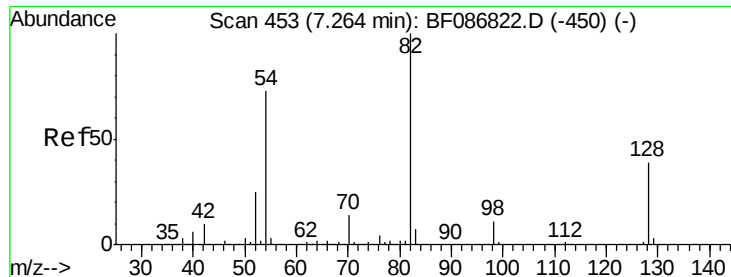
136 100

137 11.3 8.8 13.2

54 13.0 5.0 7.4#

68 6.9 4.4 6.6#

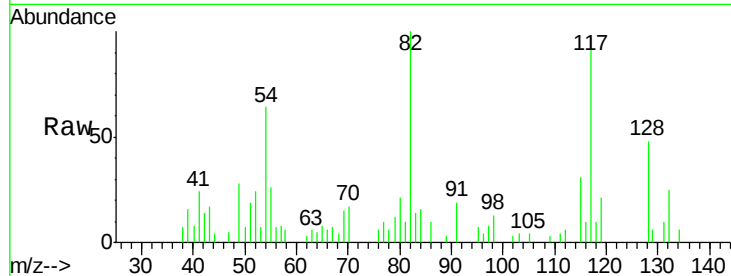




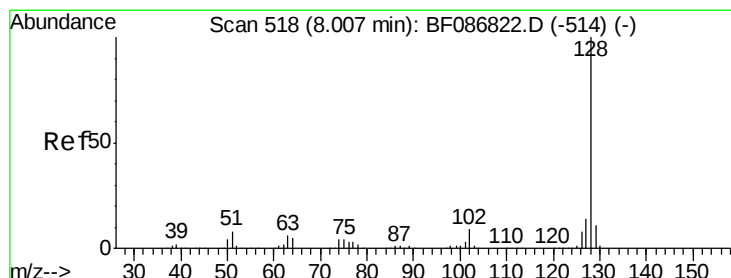
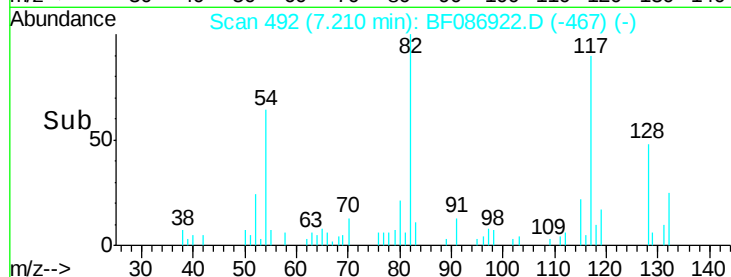
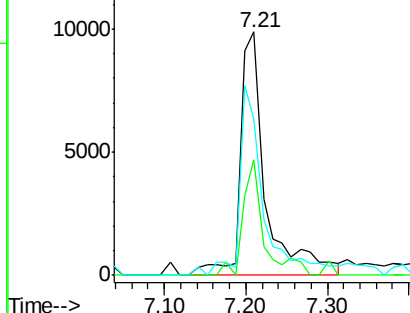
#23
Nitrobenzene-d5
Concen: 2.04 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF086922.D
Acq: 12 May 2016 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-4DL

Tgt Ion: 82 Resp: 21393
Ion Ratio Lower Upper
82 100
128 47.7 40.6 61.0
54 64.1 38.1 57.1#

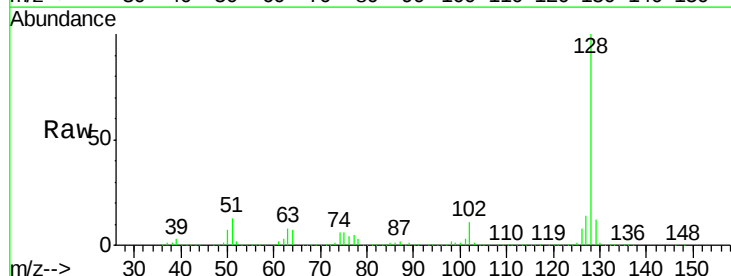


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

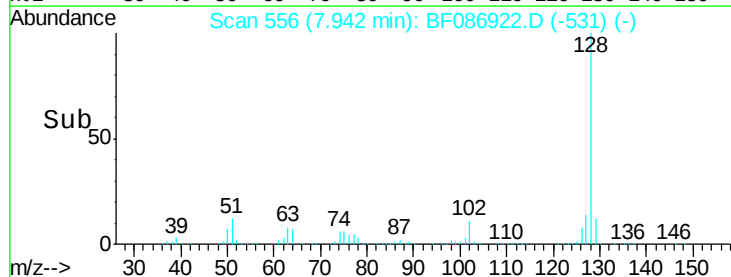
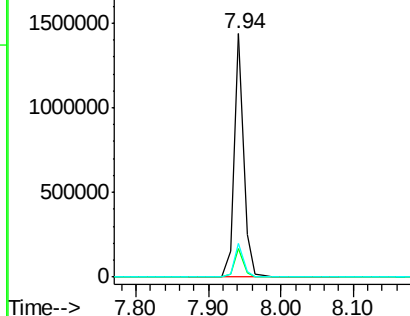


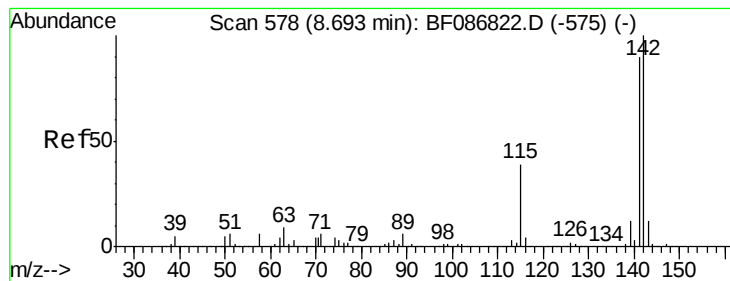
#31
Naphthalene
Concen: 49.30 ng
RT: 7.94 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF086922.D
Acq: 12 May 2016 9:19

Tgt Ion: 128 Resp: 1298792
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.9 10.8 16.2



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: 17.32 ng m

RT: 8.63 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4DL

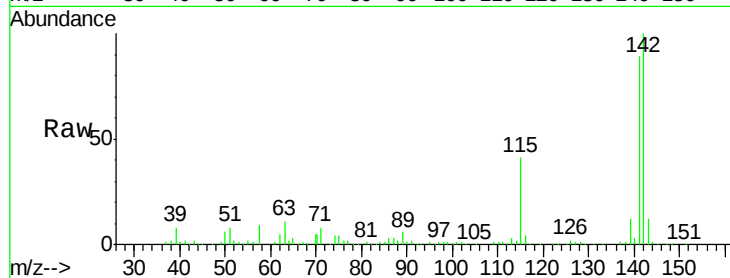
Tgt Ion:142 Resp: 266803

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6

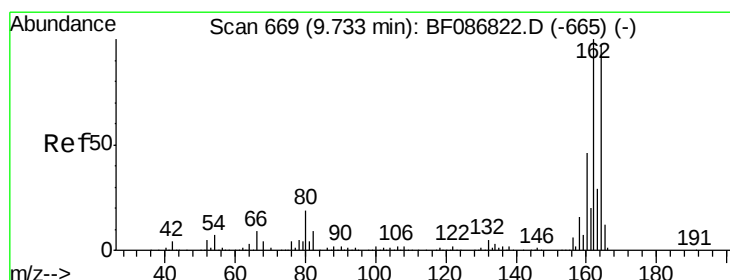
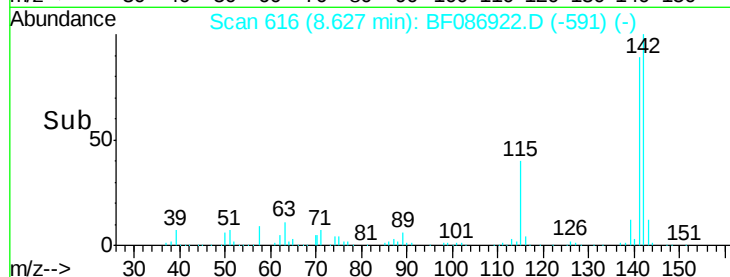
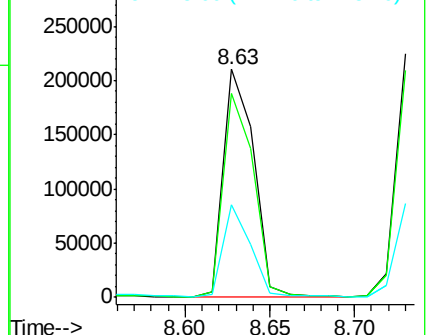
115 40.6 26.6 39.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

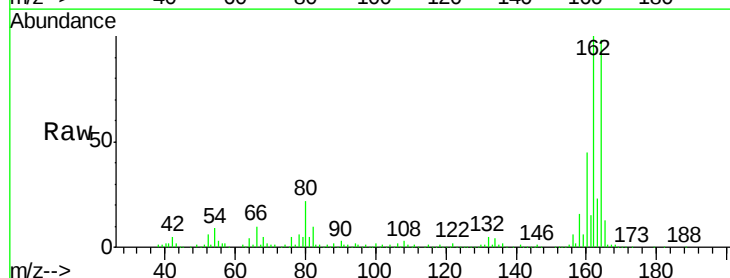
Tgt Ion:164 Resp: 211757

Ion Ratio Lower Upper

164 100

162 101.6 82.8 124.2

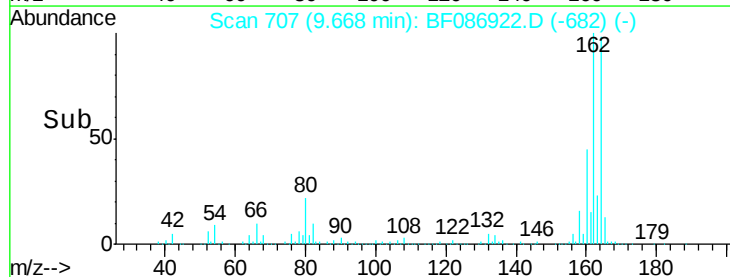
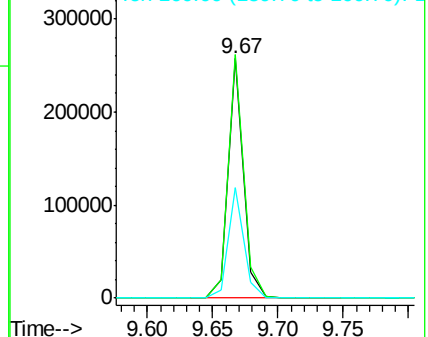
160 45.9 36.9 55.3

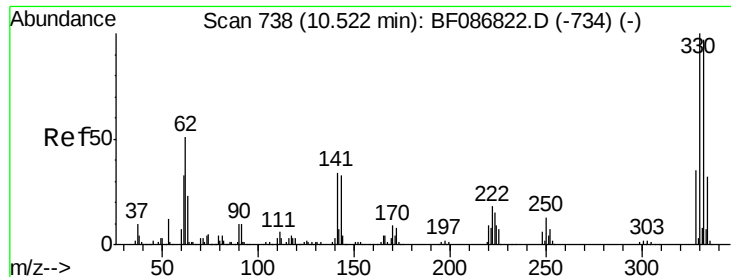


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

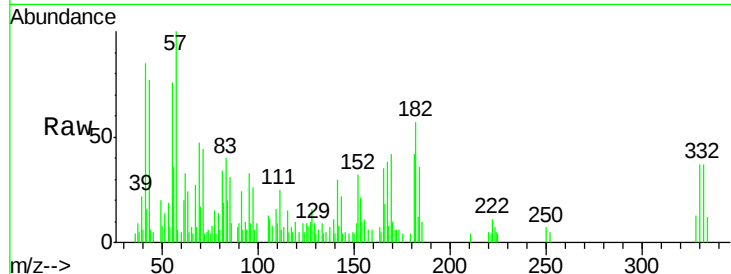




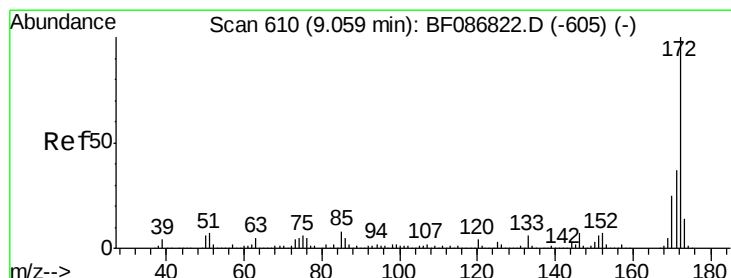
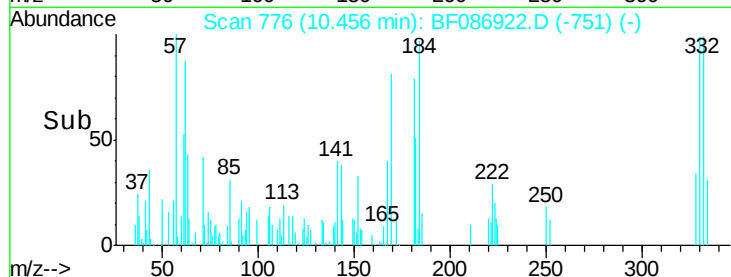
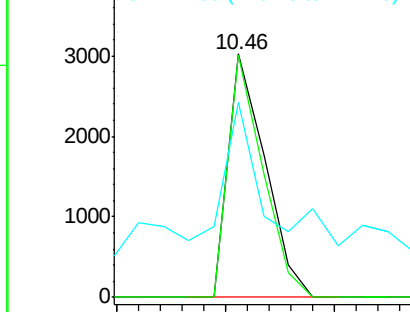
#41
 2,4,6-Tribromophenol
 Concen: 1.59 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086922.D
 Acq: 12 May 2016 9:19

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-4DL

Tgt Ion:330 Resp: 3559
 Ion Ratio Lower Upper
 330 100
 332 93.5 79.0 118.4
 141 105.3 31.2 46.8#

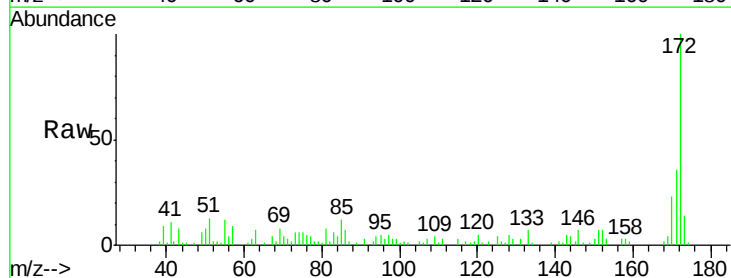


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

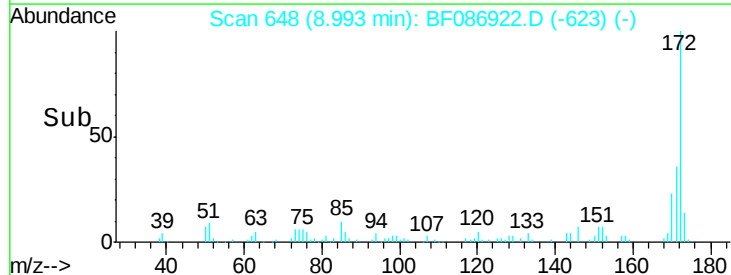
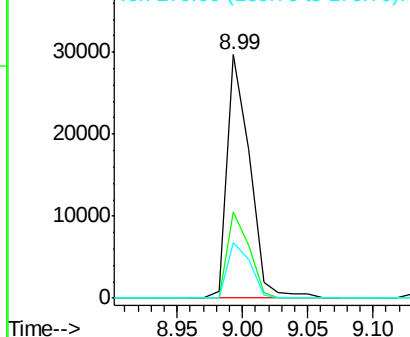


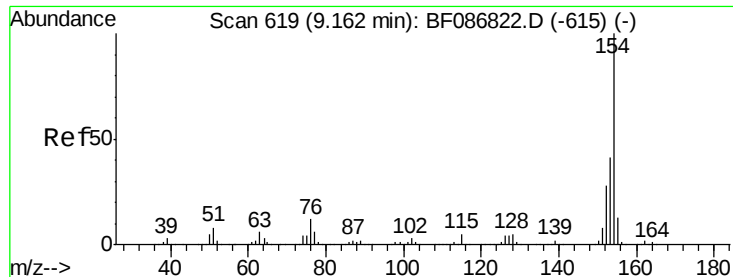
#44
 2-Fluorobiphenyl
 Concen: 2.85 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086922.D
 Acq: 12 May 2016 9:19

Tgt Ion:172 Resp: 35850
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.0 43.6
 170 22.7 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

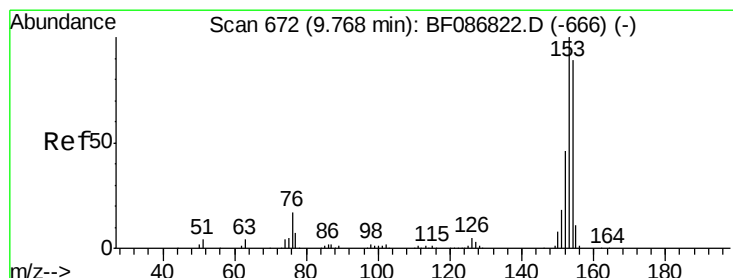
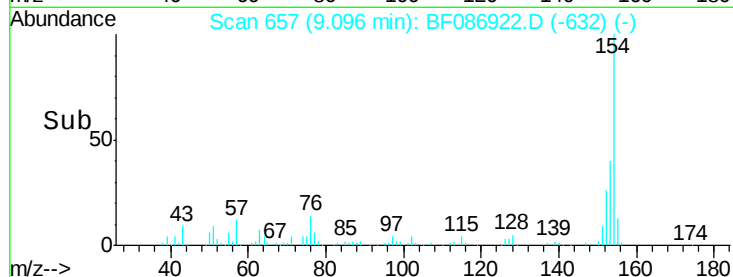
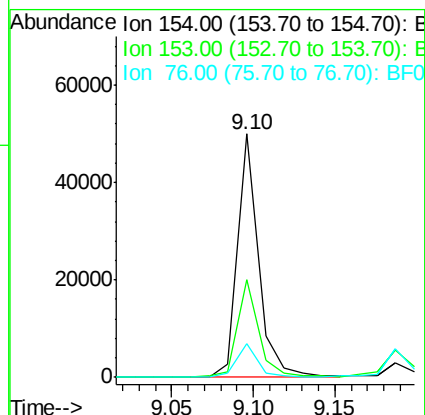
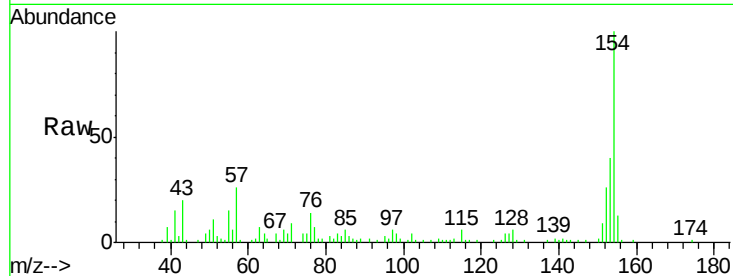




#45
 1,1'-Biphenyl
 Concen: 2.63 ng
 RT: 9.10 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF086922.D
 Acq: 12 May 2016 9:19

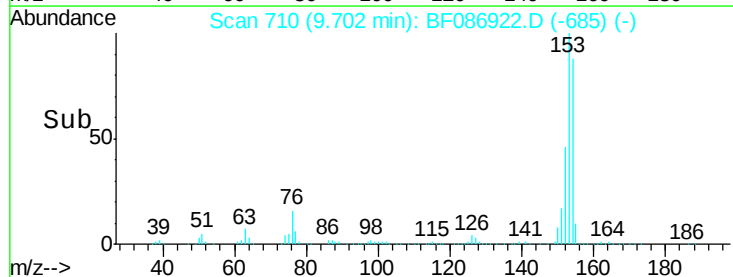
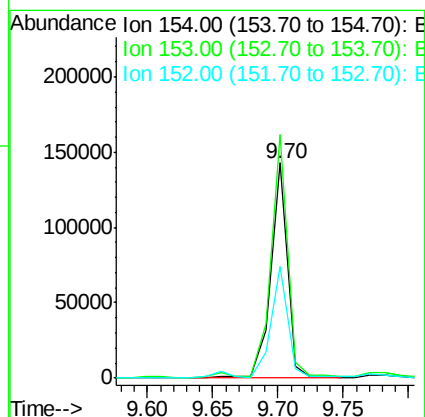
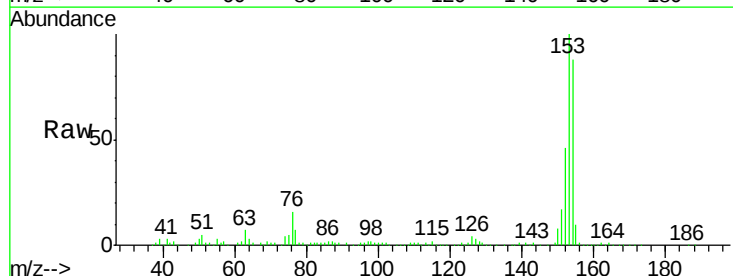
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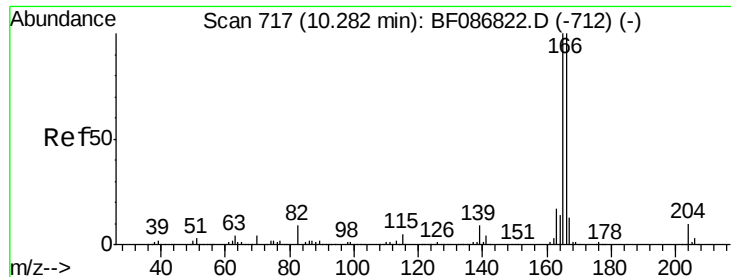
Tgt Ion:154 Resp: 44291
 Ion Ratio Lower Upper
 154 100
 153 40.3 20.3 60.3
 76 13.7 0.0 30.2



#51
 Acenaphthene
 Concen: 10.68 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF086922.D
 Acq: 12 May 2016 9:19

Tgt Ion:154 Resp: 128928
 Ion Ratio Lower Upper
 154 100
 153 113.3 89.8 134.6
 152 51.9 43.4 65.0

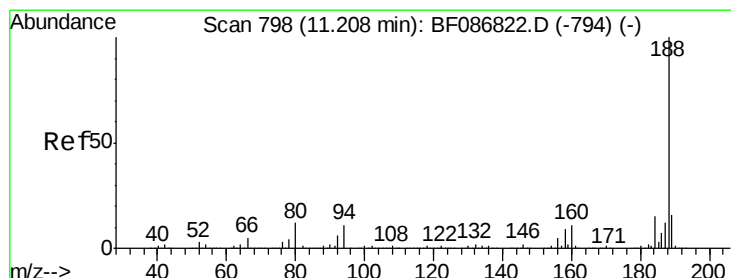
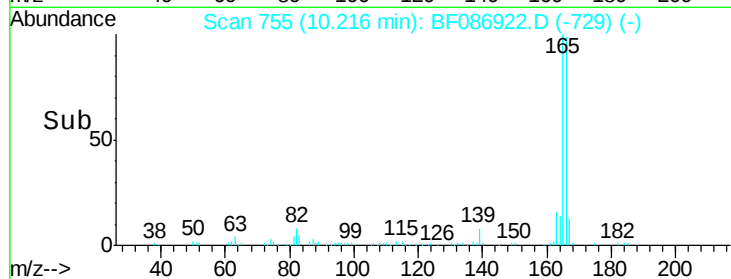
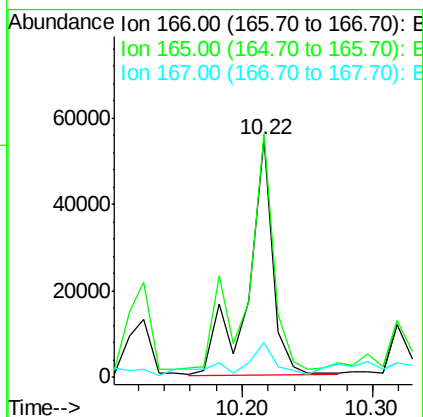
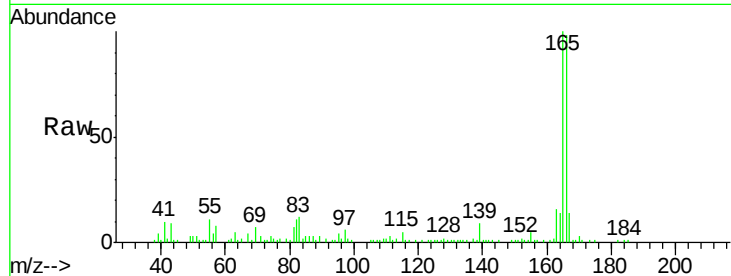




#57
Fluorene
 Concen: 5.55 ng
 RT: 10.22 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: BF086922.D
 Acq: 12 May 2016 9:19

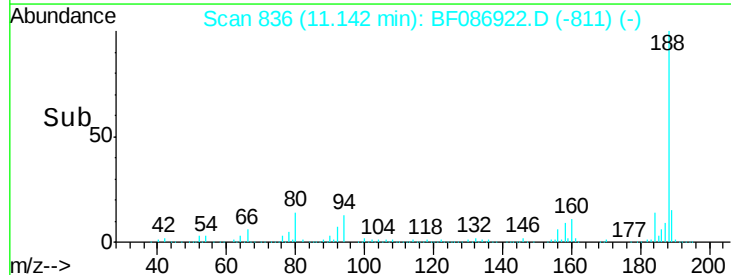
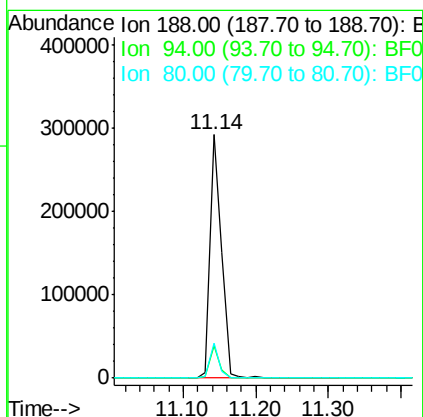
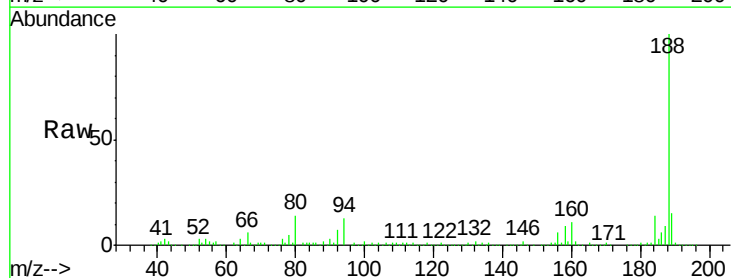
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 NYSEG-CLARK-ST-ESMI-4DL

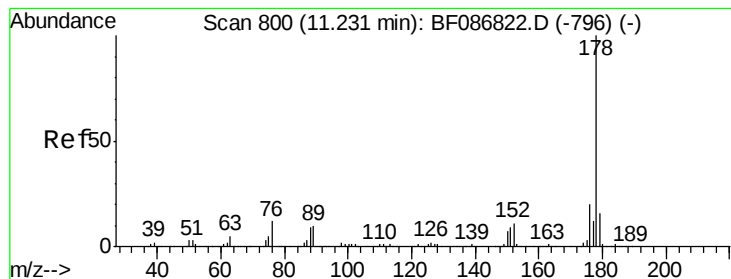
Tgt Ion:166 Resp: 73335
 Ion Ratio Lower Upper
 166 100
 165 102.3 79.0 118.6
 167 14.5 10.6 15.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF086922.D
 Acq: 12 May 2016 9:19

Tgt Ion:188 Resp: 317890
 Ion Ratio Lower Upper
 188 100
 94 13.4 6.8 10.2#
 80 14.5 7.1 10.7#





#70

Phenanthrene

Concen: 14.92 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4DL

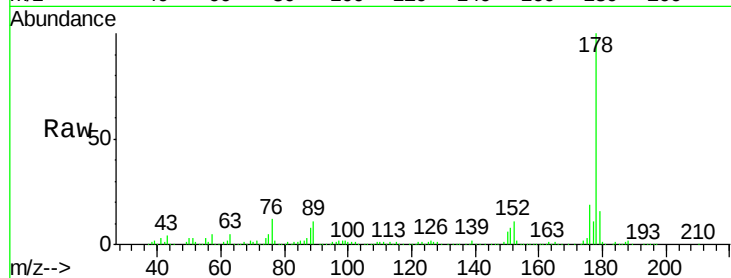
Tgt Ion:178 Resp: 253054

Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

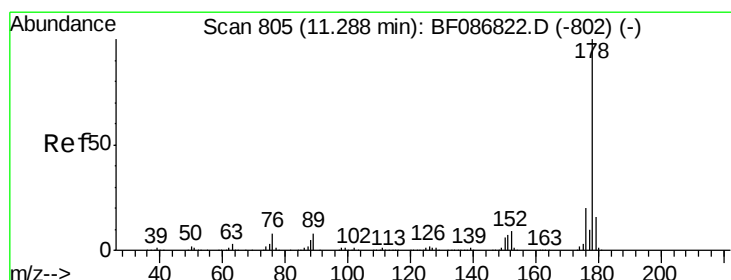
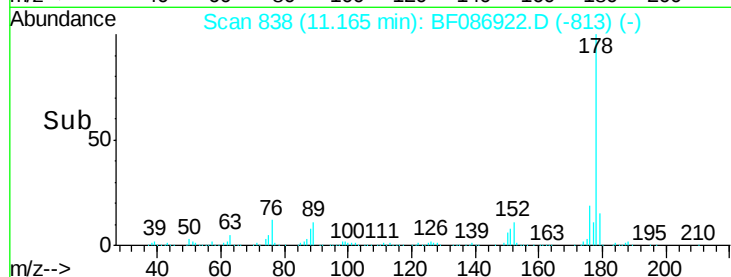
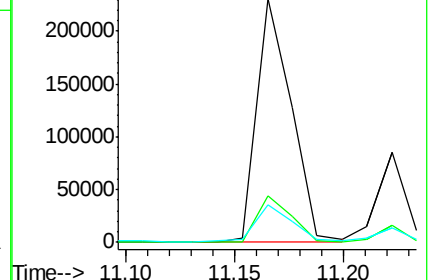
179 15.6 12.6 18.8



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



#71

Anthracene

Concen: 4.37 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

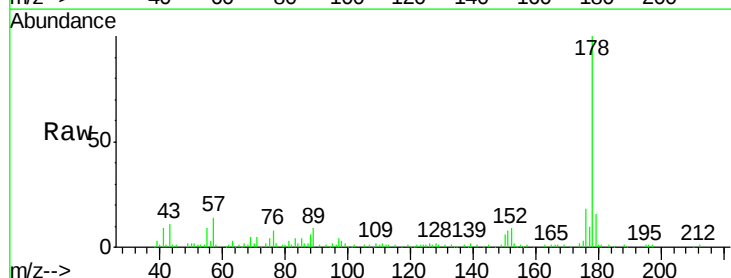
Tgt Ion:178 Resp: 75828

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

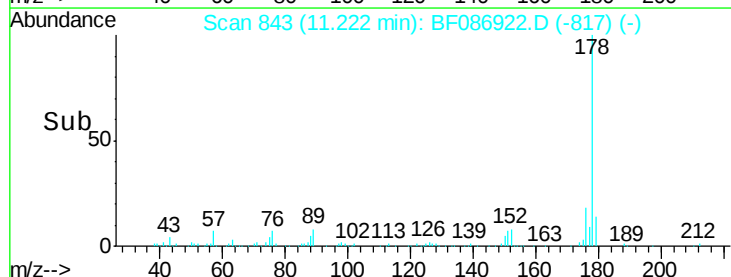
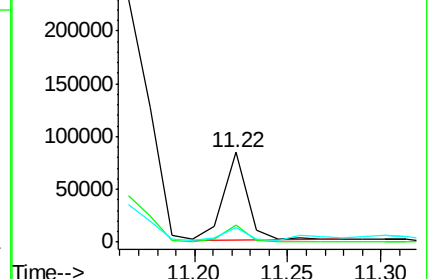
179 15.7 12.7 19.1

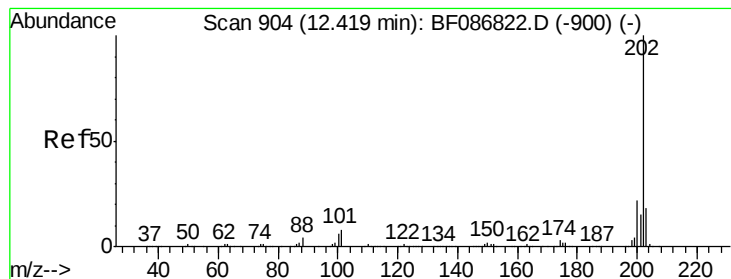


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.68 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4DL

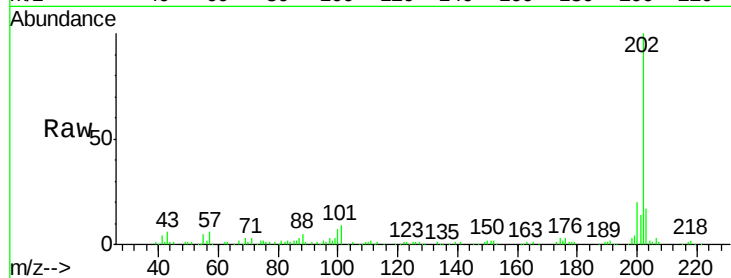
Tgt Ion:202 Resp: 81737

Ion Ratio Lower Upper

202 100

101 9.3 0.0 35.4

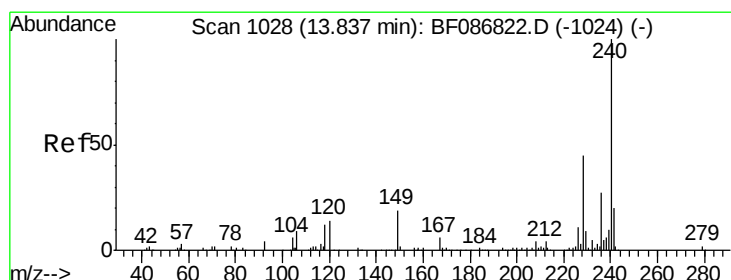
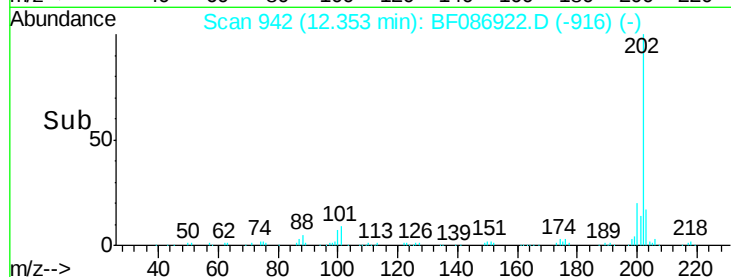
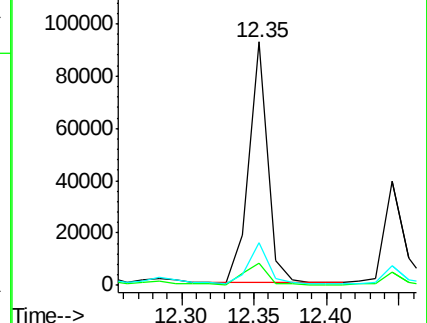
203 17.4 0.0 38.1



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: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

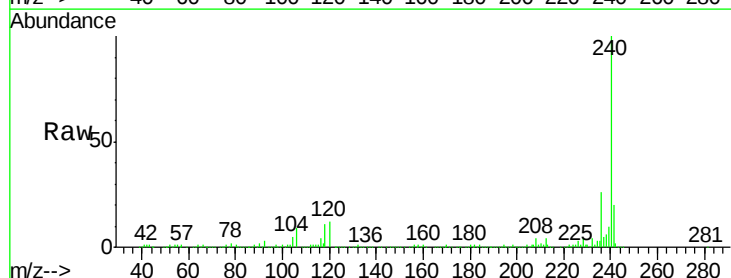
Tgt Ion:240 Resp: 329890

Ion Ratio Lower Upper

240 100

120 12.5 11.2 16.8

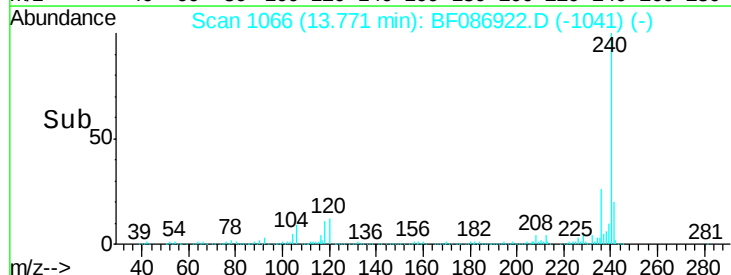
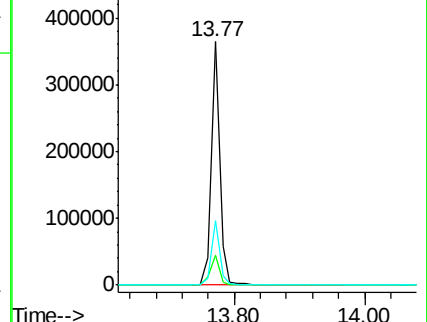
236 26.5 21.2 31.8

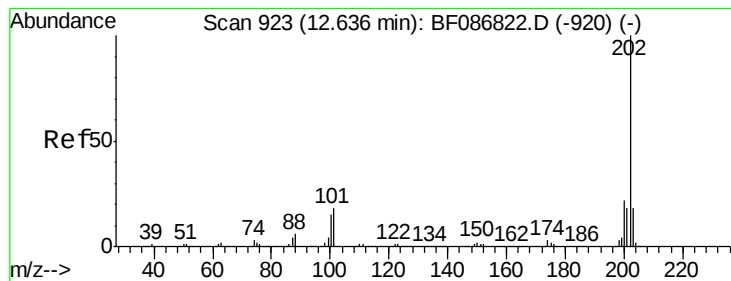


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.95 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4DL

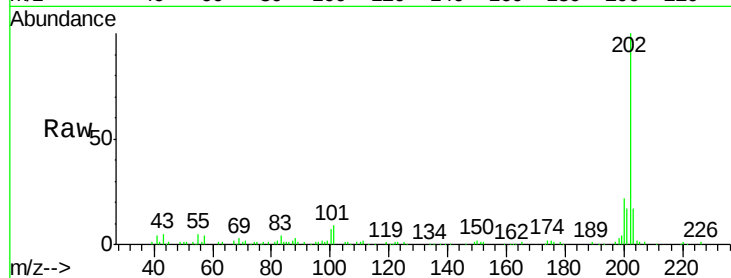
Tgt Ion: 202 Resp: 125095

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

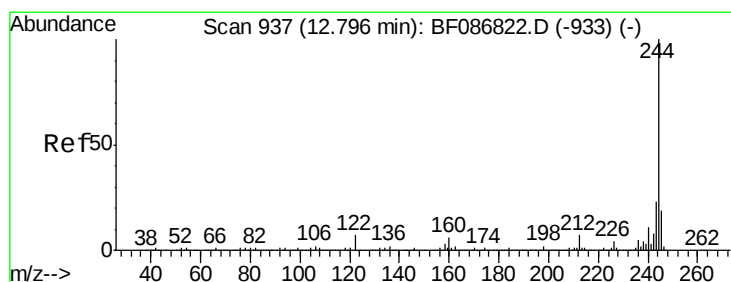
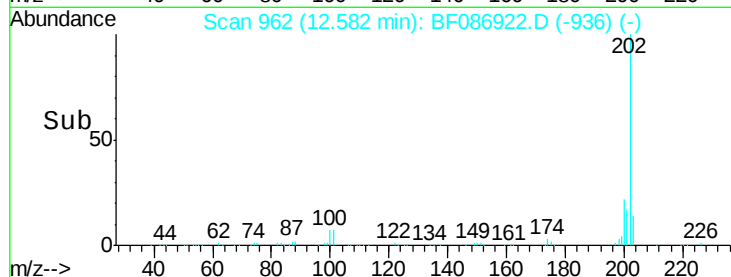
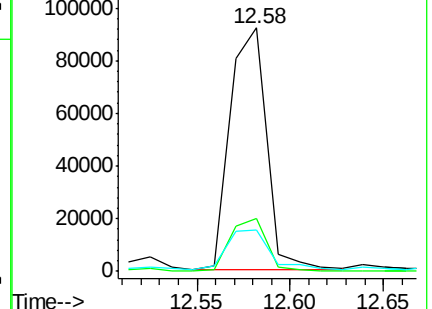
203 17.1 14.2 21.4



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: 1.86 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

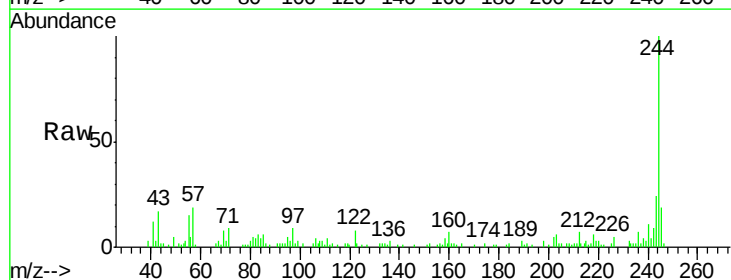
Tgt Ion: 244 Resp: 28848

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

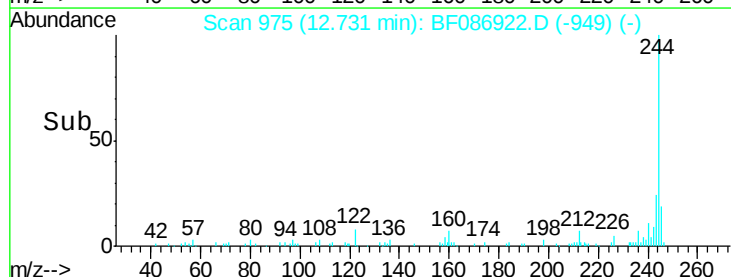
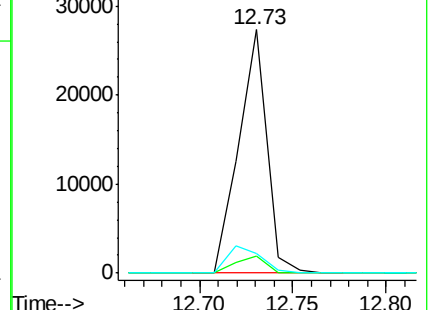
122 7.8 12.0 18.0#

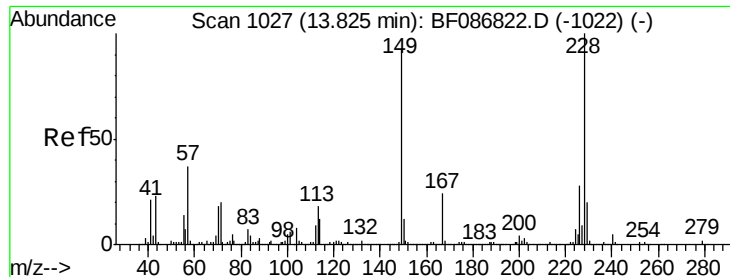


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.45 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4DL

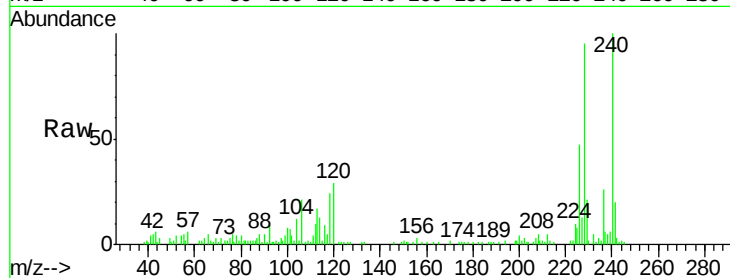
Tgt Ion:228 Resp: 45418

Ion Ratio Lower Upper

228 100

226 49.4 22.5 33.7#

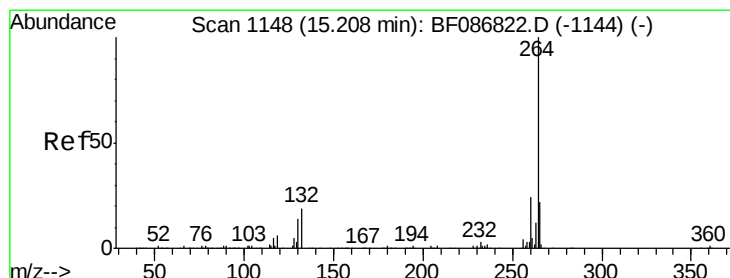
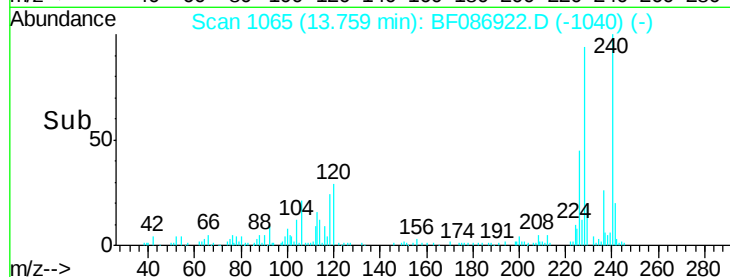
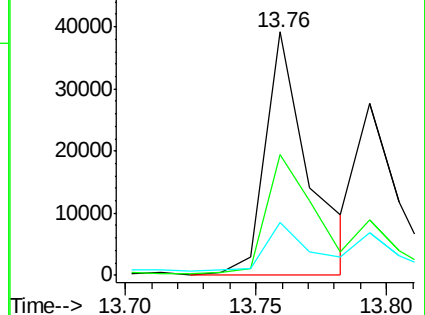
229 21.8 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF086922.D

Acq: 12 May 2016 9:19

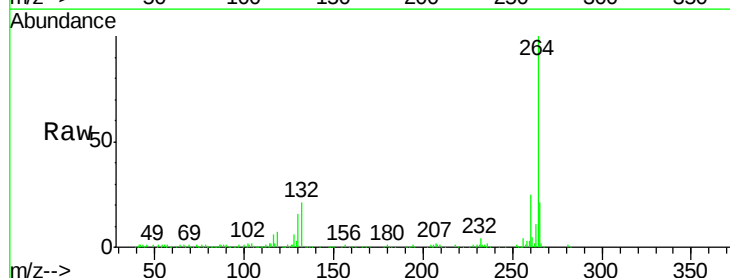
Tgt Ion:264 Resp: 247627

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 21.5 17.3 25.9



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

