

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090916\
 Data File : BF090052.D
 Acq On : 9 Sep 2016 17:57
 Operator : UM/SJ
 Sample : H4688-02RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-UST16

Quant Time: Sep 09 18:38:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

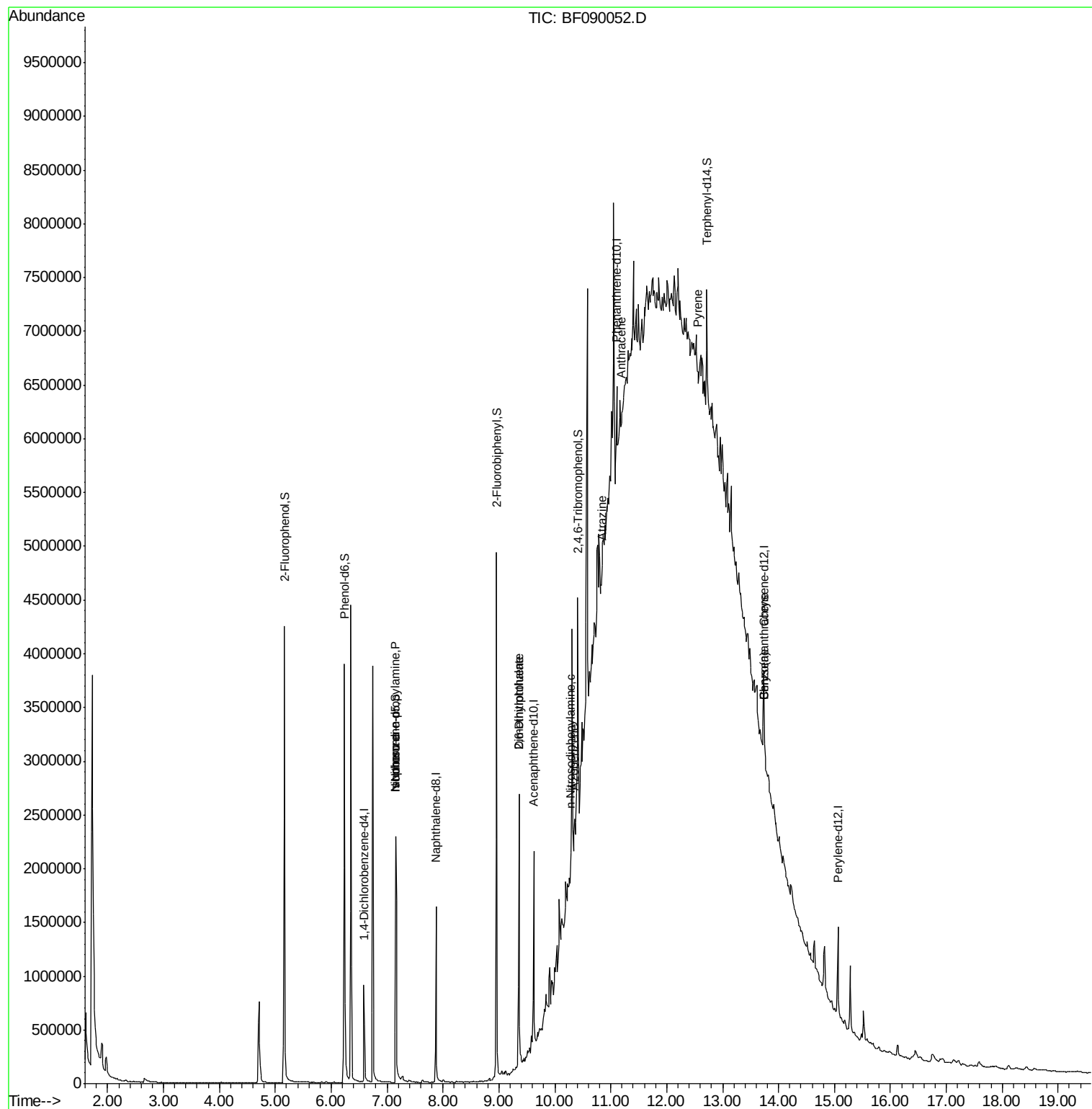
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	194171	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	791505	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	376880	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	425280	20.00	ng	0.00
75) Chrysene-d12	13.74	240	361769	20.00	ng	0.01
86) Perylene-d12	15.06	264	434940	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	1519684	125.27	ng	0.00
7) Phenol-d6	6.24	99	1773076	120.29	ng	-0.01
23) Nitrobenzene-d5	7.15	82	1162760	85.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	367088	98.73	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	1881133	81.93	ng	-0.01
78) Terphenyl-d14	12.72	244	745933	50.93	ng	0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.15	70	150617	15.68	ng	# 85
25) Isophorone	7.15	82	1048005	37.76	ng	# 65
49) Dimethylphthalate	9.36	163	1116326	40.98	ng	# 99
50) 2,6-Dinitrotoluene	9.36	165	13470	2.22	ng	# 26
62) Azobenzene	10.34	77	52115	2.04	ng	# 9
65) n-Nitrosodiphenylamine	10.28	169	63822	4.99	ng	# 50
68) Atrazine	10.83	200	32876	7.70	ng	# 1
71) Anthracene	11.19	178	47645	2.22	ng	# 19
77) Pyrene	12.56	202	202399	7.93	ng	# 82
80) Benzo(a)anthracene	13.75	228	63698	2.87	ng	# 31
82) Chrysene	13.75	228	66383	3.21	ng	# 39

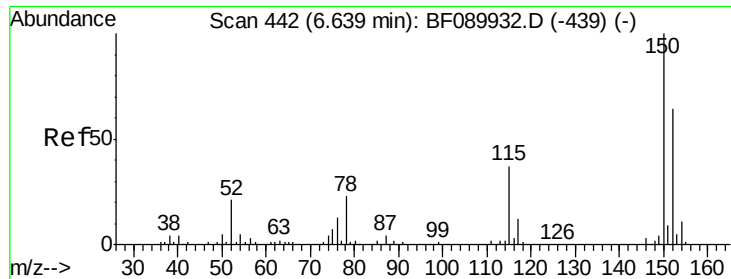
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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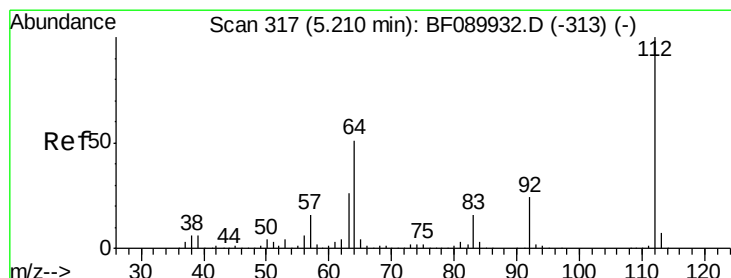
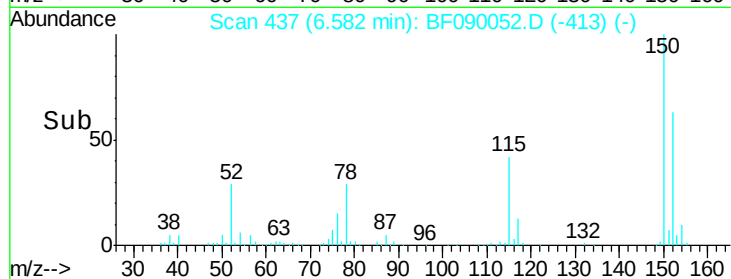
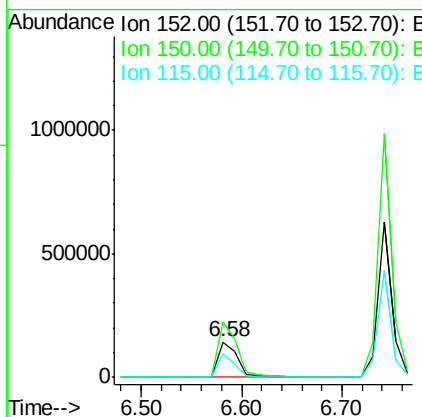
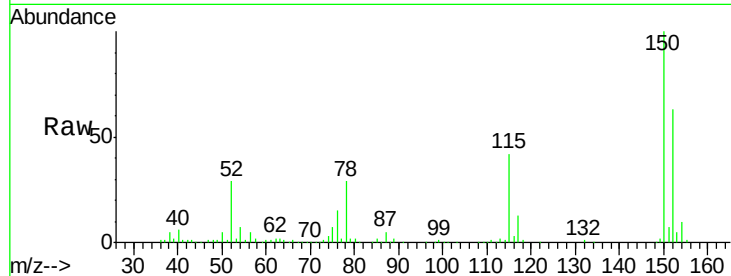




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF090052.D
 Acq: 9 Sep 2016 17:57

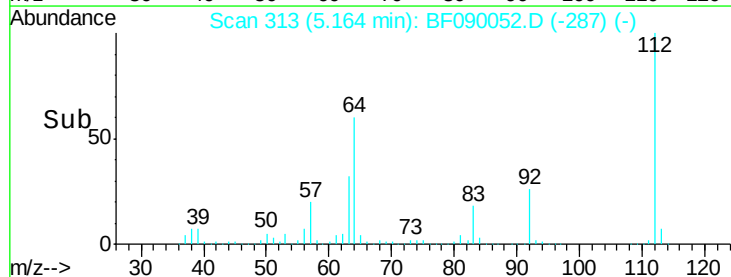
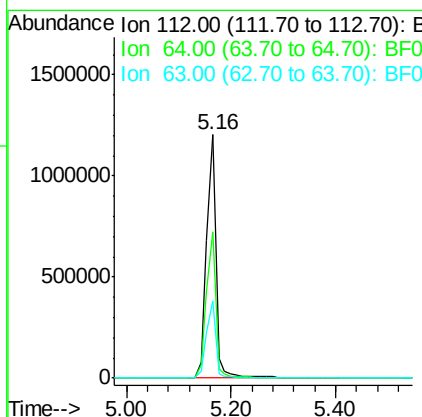
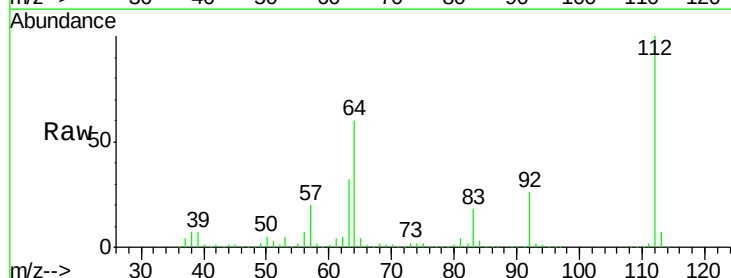
Instrument :
 BNA_F
 ClientSampleId :
 SS-UST16

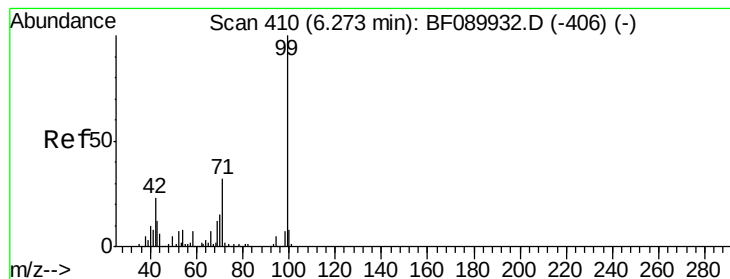
Tgt Ion:152 Resp: 194171
 Ion Ratio Lower Upper
 152 100
 150 159.1 127.4 191.2
 115 67.2 46.3 69.5



#5
 2-Fluorophenol
 Concen: 125.27 ng
 RT: 5.16 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: BF090052.D
 Acq: 9 Sep 2016 17:57

Tgt Ion:112 Resp: 1519684
 Ion Ratio Lower Upper
 112 100
 64 59.9 41.1 61.7
 63 31.7 21.2 31.8





#7

Phenol-d6

Concen: 120.29 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-UST16

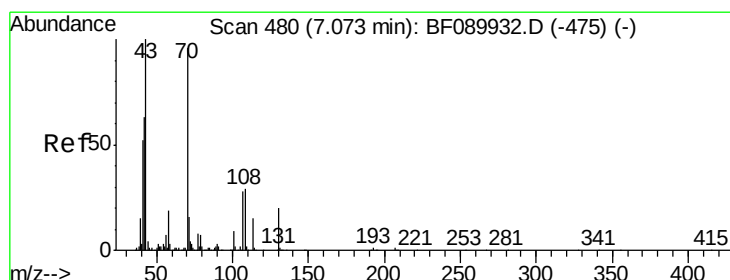
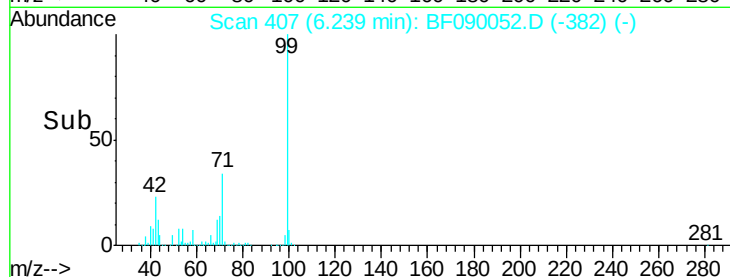
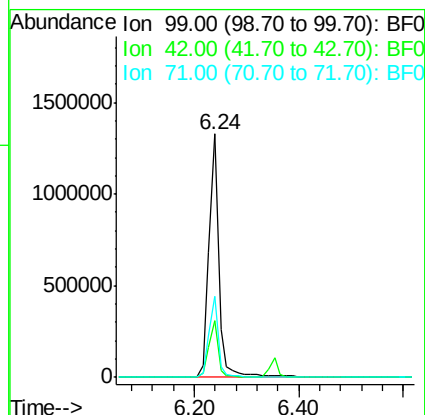
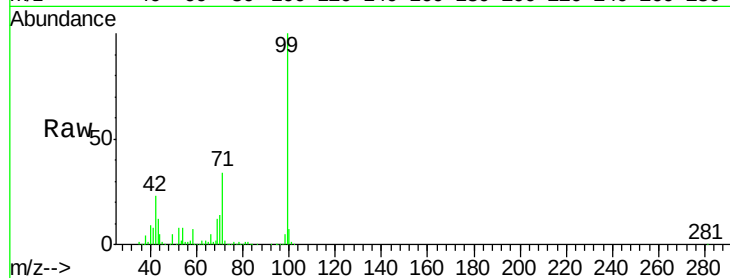
Tgt Ion: 99 Resp: 1773076

Ion Ratio Lower Upper

99 100

42 23.2 18.6 27.8

71 33.5 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.68 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Tgt Ion: 70 Resp: 150617

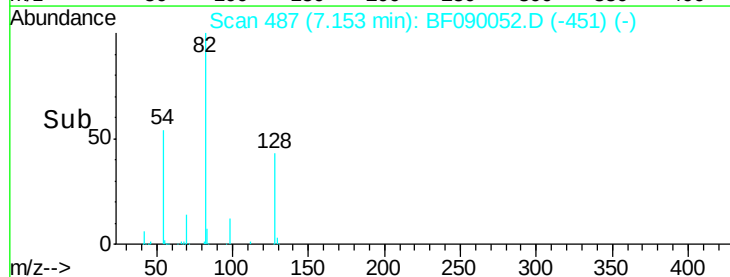
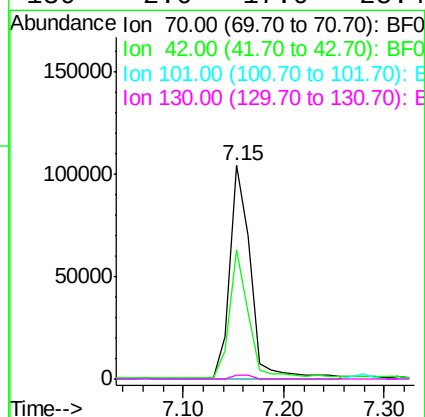
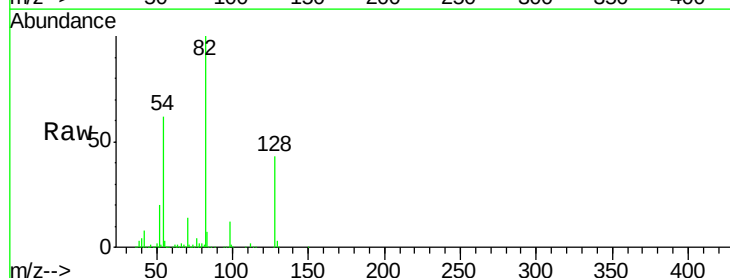
Ion Ratio Lower Upper

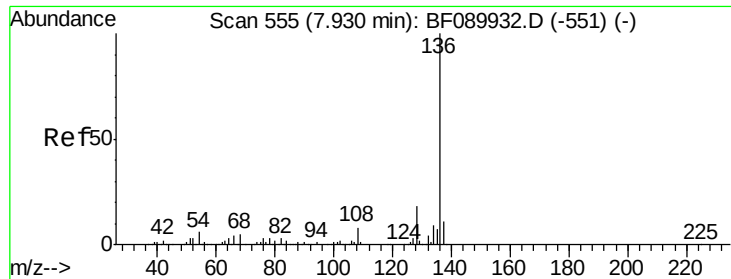
70 100

42 60.8 52.1 78.1

101 0.0 7.4 11.2#

130 2.0 17.0 25.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-UST16

Tgt Ion:136 Resp: 791505

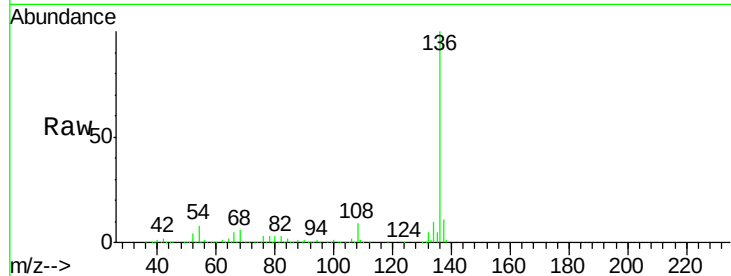
Ion Ratio Lower Upper

136 100

137 11.1 8.3 12.5

54 8.3 4.8 7.2#

68 5.5 3.7 5.5#

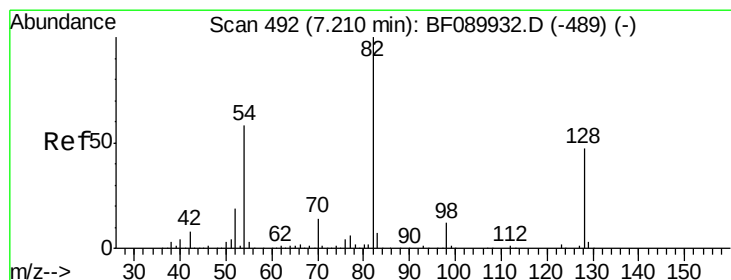
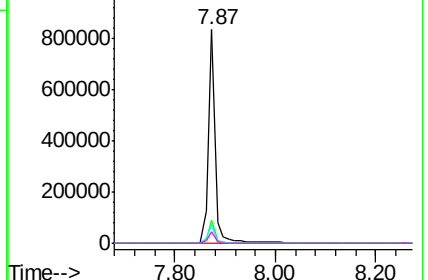
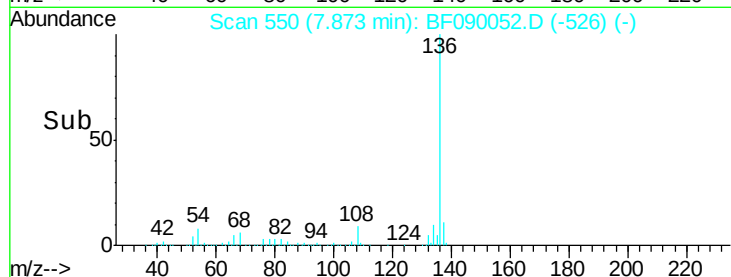


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 85.20 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

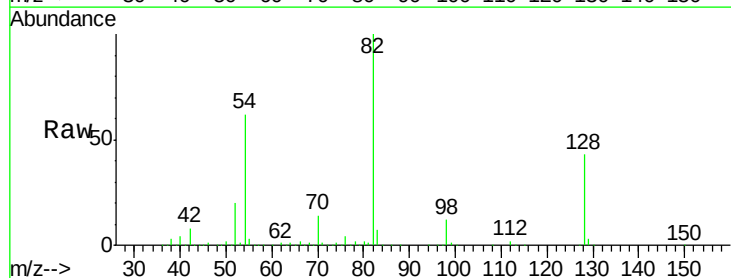
Tgt Ion: 82 Resp: 1162760

Ion Ratio Lower Upper

82 100

128 43.2 37.8 56.8

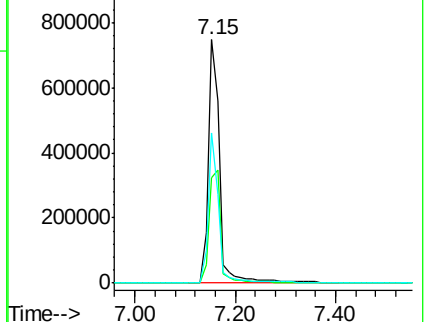
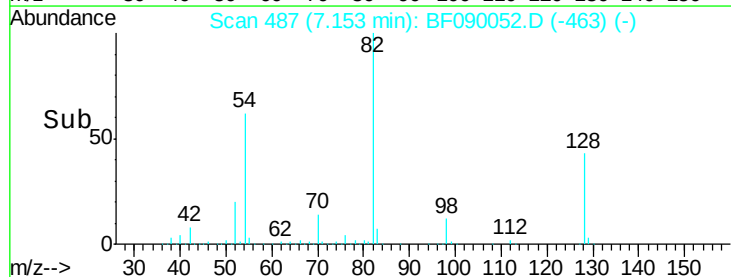
54 61.6 46.9 70.3

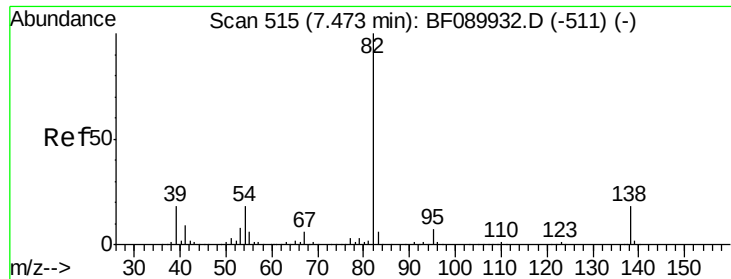


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.76 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF090052.D

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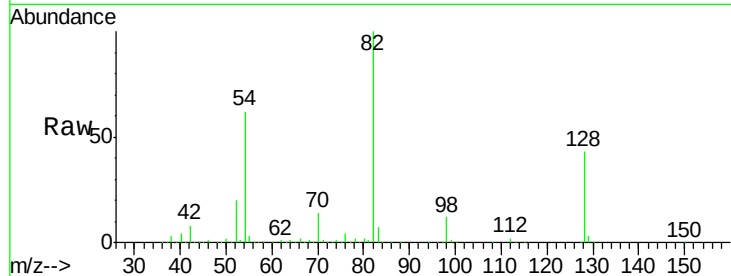
Tgt Ion: 82 Resp: 1048005

Ion Ratio Lower Upper

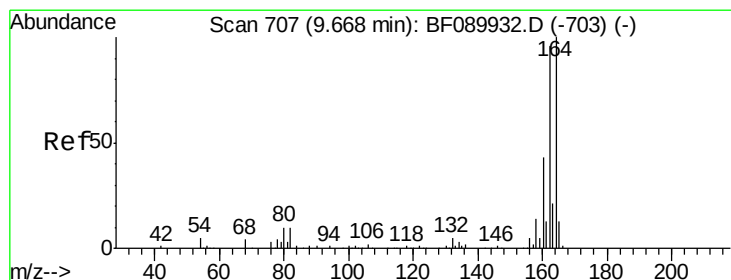
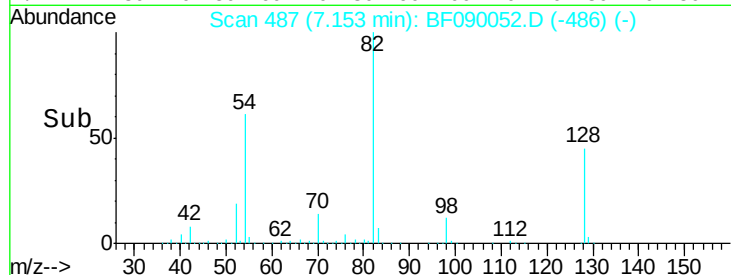
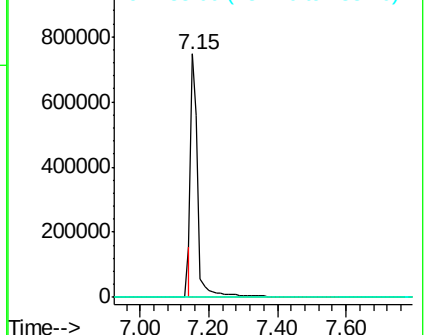
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

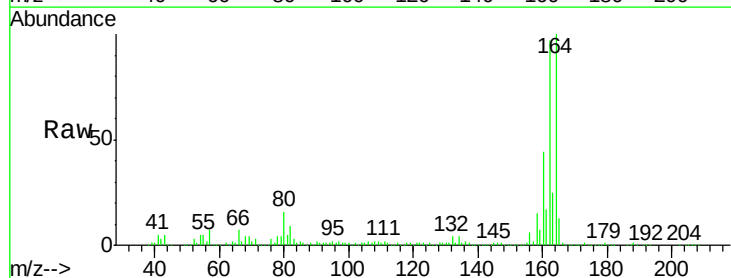
Tgt Ion: 164 Resp: 376880

Ion Ratio Lower Upper

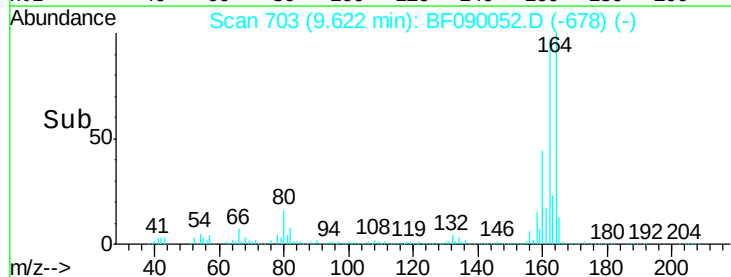
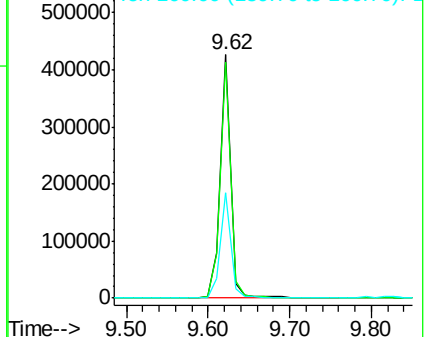
164 100

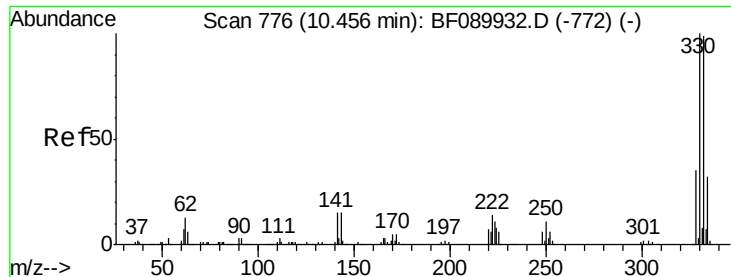
162 96.8 77.1 115.7

160 43.5 35.3 52.9



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

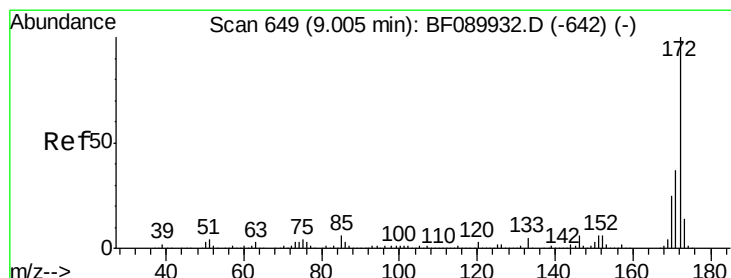
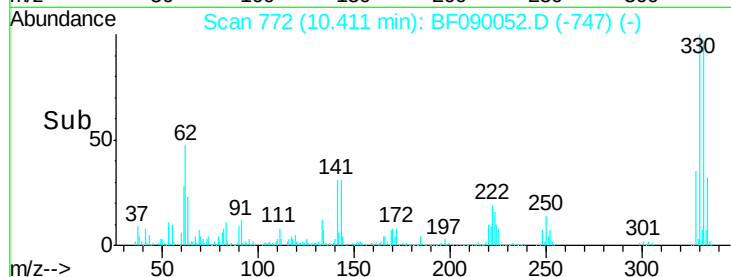
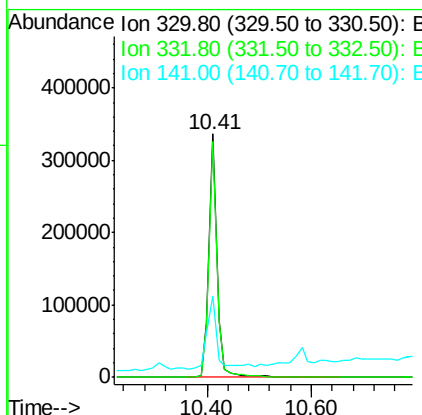
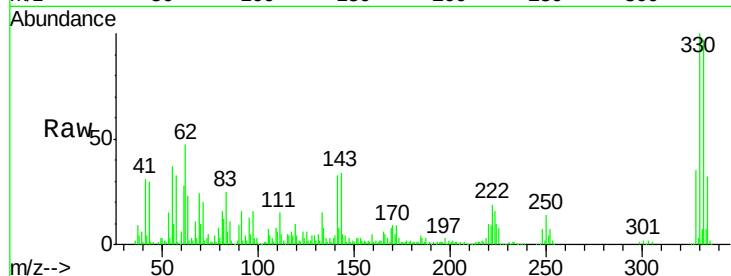




#41
 2,4,6-Tribromophenol
 Concen: 98.73 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF090052.D
 Acq: 9 Sep 2016 17:57

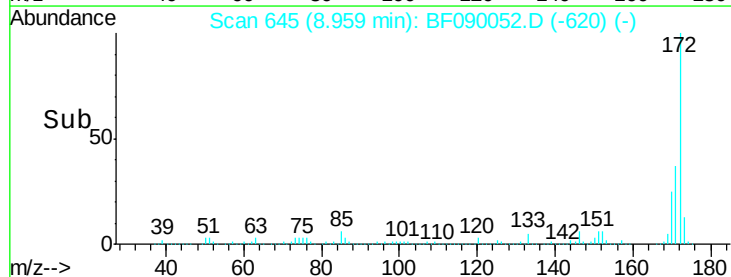
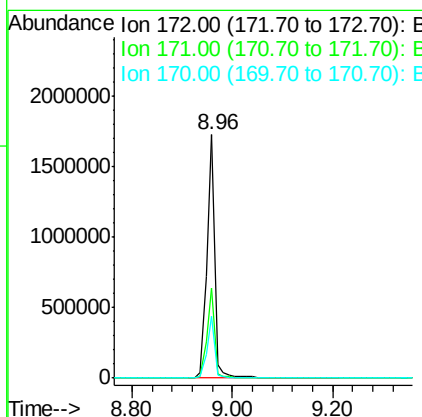
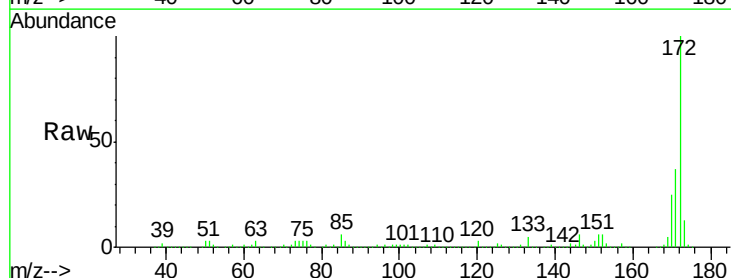
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 ClientSampleId :
 SS-UST16

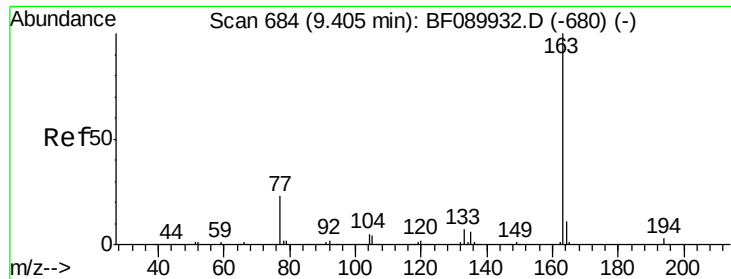
Tgt Ion:330 Resp: 367088
 Ion Ratio Lower Upper
 330 100
 332 96.2 78.6 117.8
 141 34.6 23.3 34.9



#44
 2-Fluorobiphenyl
 Concen: 81.93 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF090052.D
 Acq: 9 Sep 2016 17:57

Tgt Ion:172 Resp: 1881133
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.2
 170 25.2 20.1 30.1





#49

Dimethylphthalate

Concen: 40.98 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-UST16

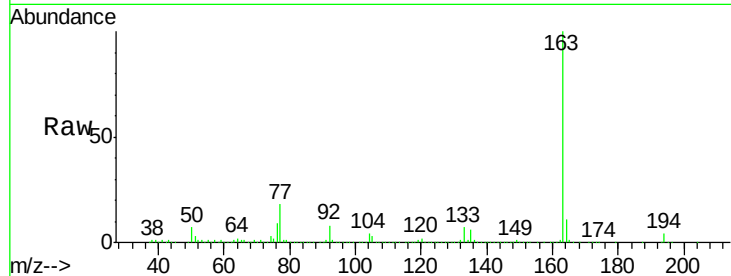
Tgt Ion:163 Resp: 1116326

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

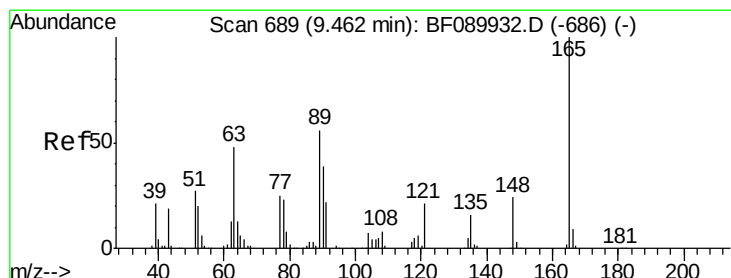
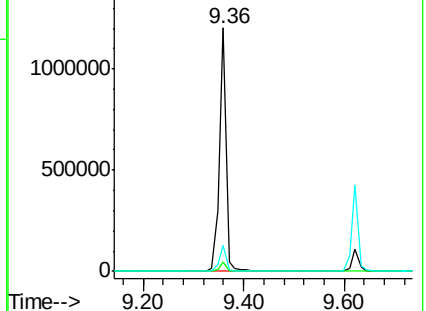
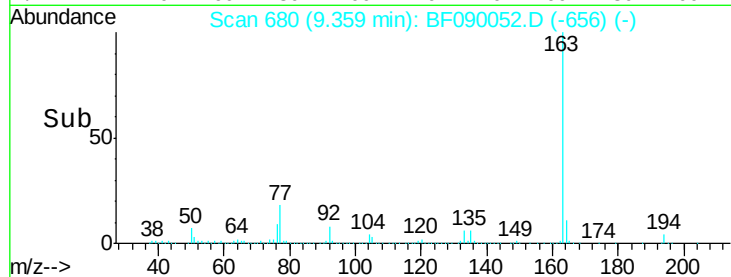
164 10.9 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 2.22 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.08 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

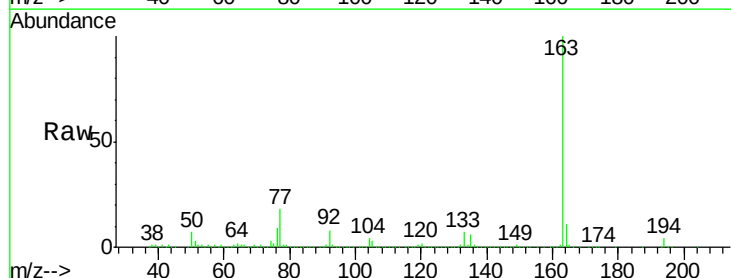
Tgt Ion:165 Resp: 13470

Ion Ratio Lower Upper

165 100

63 127.4 45.0 67.4#

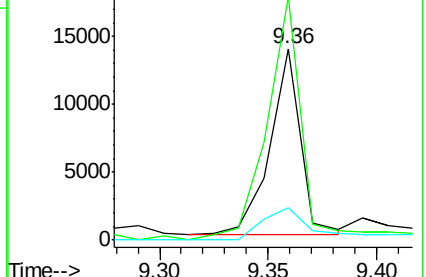
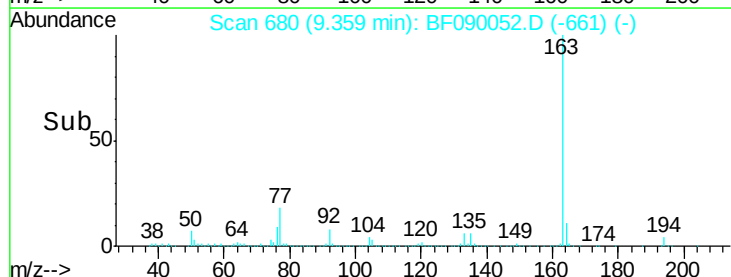
89 17.1 41.5 62.3#

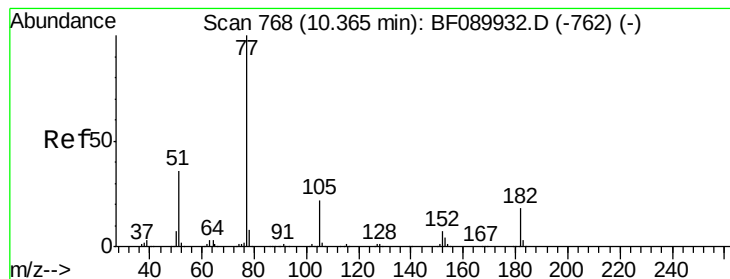


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#62

Azobenzene

Concen: 2.04 ng

RT: 10.34 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

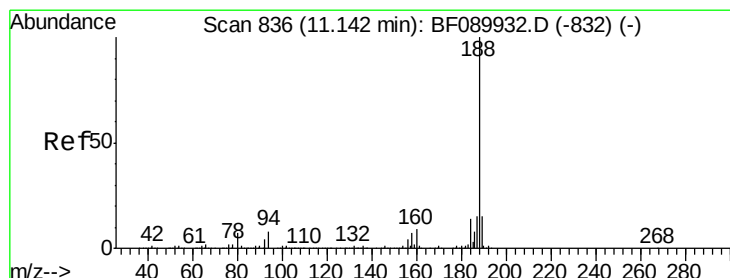
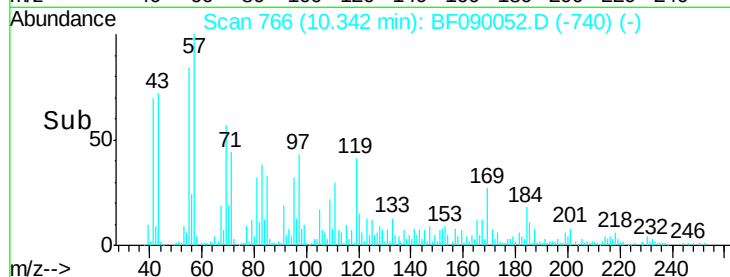
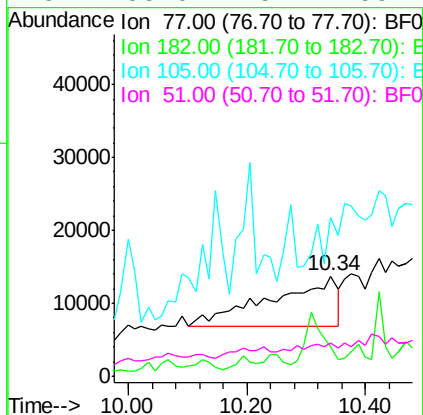
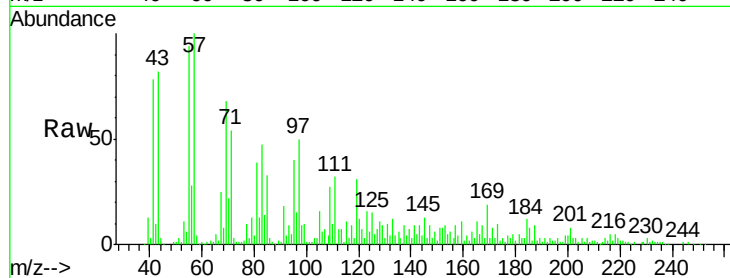
Instrument :

BNA_F

ClientSampleId :

SS-UST16

Tgt Ion:	77	Resp:	52115
Ion	Ratio	Lower	Upper
77	100		
182	30.0	0.0	38.6
105	158.8	2.3	42.3#
51	33.0	15.1	55.1



#63

Phenanthrene-d10

Concen: 20.00 ng

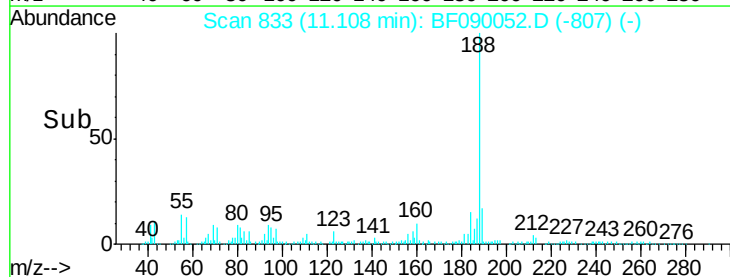
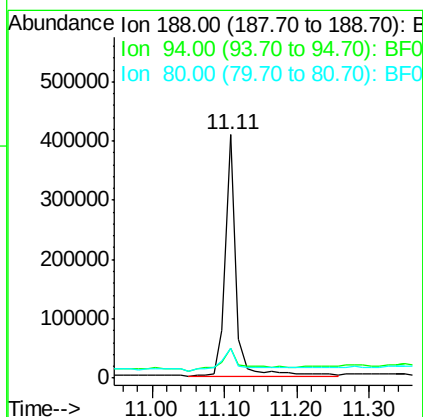
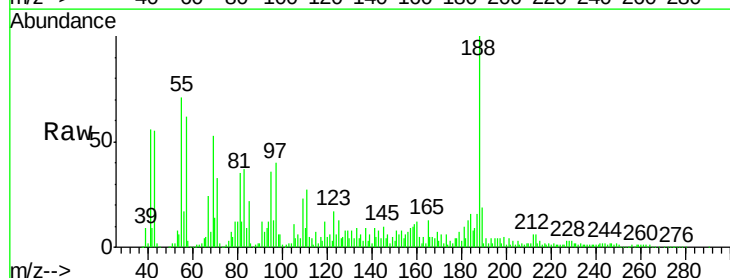
RT: 11.11 min Scan# 833

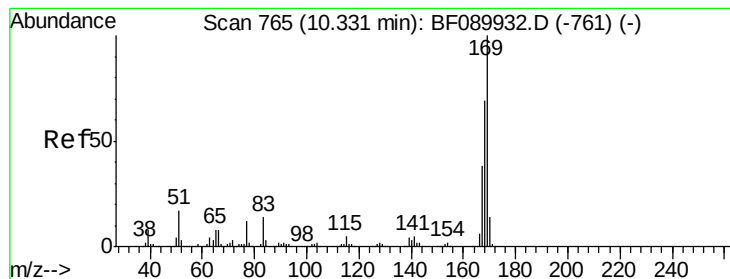
Delta R.T. 0.00 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Tgt Ion:	188	Resp:	425280
Ion	Ratio	Lower	Upper
188	100		
94	12.1	5.9	8.9#
80	12.4	5.8	8.8#





#65

n-Nitrosodiphenylamine

Concen: 4.99 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-UST16

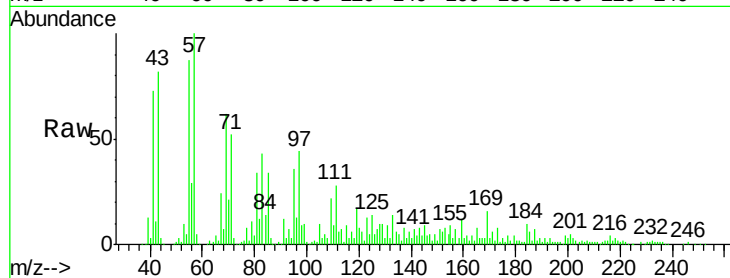
Tgt Ion:169 Resp: 63822

Ion Ratio Lower Upper

169 100

168 18.2 55.0 82.4#

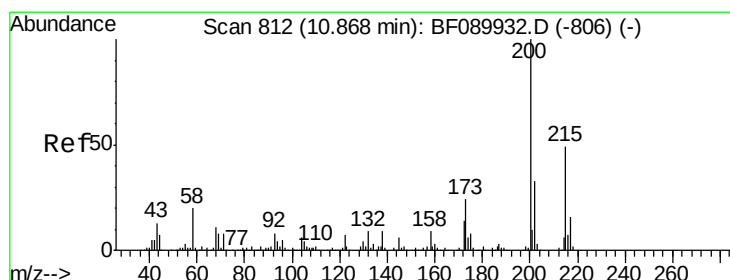
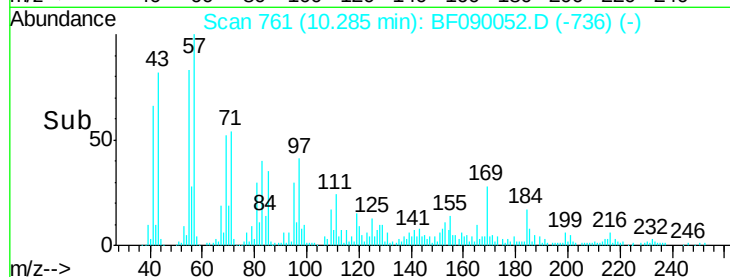
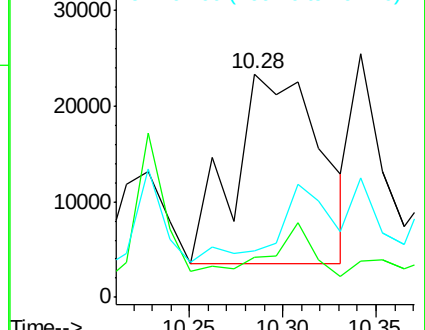
167 20.6 30.5 45.7#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Atrazine

Concen: 7.70 ng

RT: 10.83 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

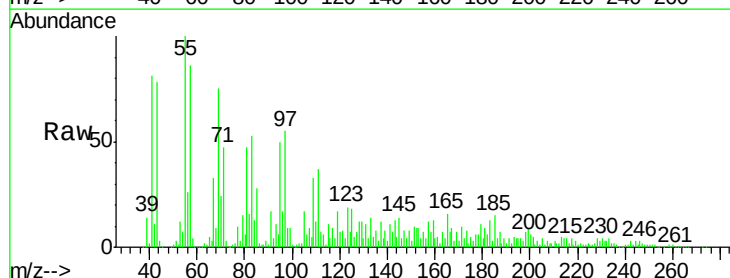
Tgt Ion:200 Resp: 32876

Ion Ratio Lower Upper

200 100

173 136.1 9.4 49.4#

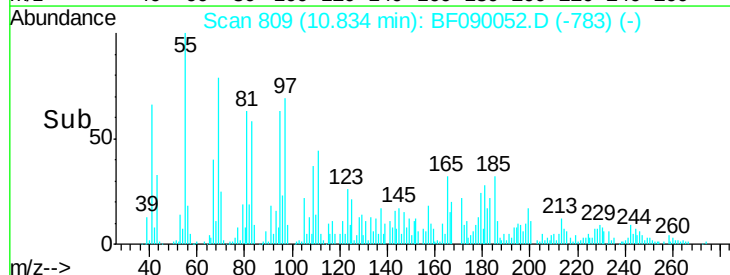
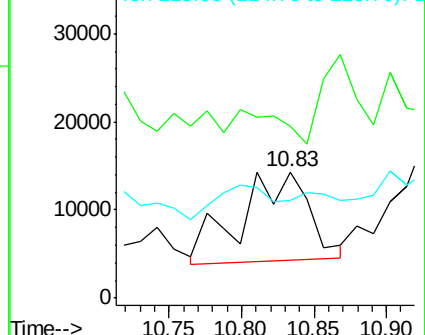
215 76.9 24.5 64.5#

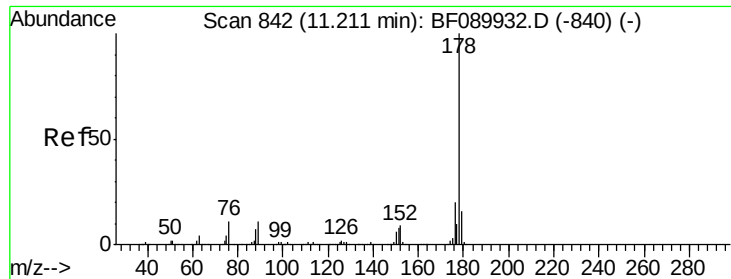


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

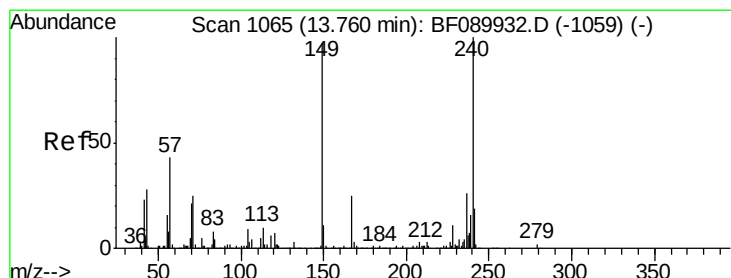
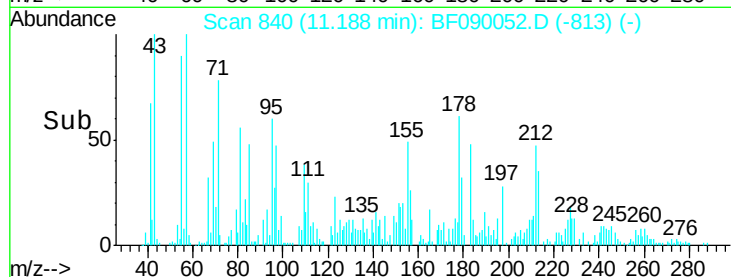
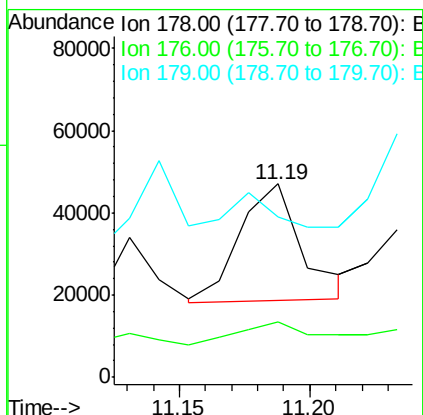
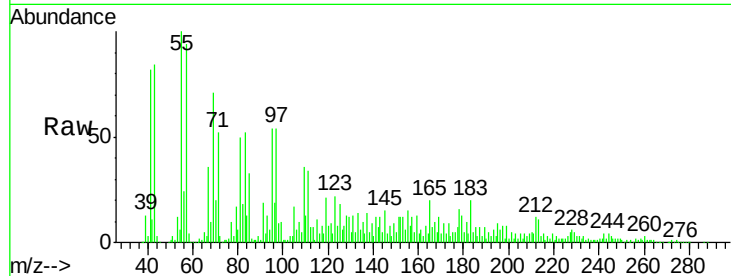




#71
 Anthracene
 Concen: 2.22 ng
 RT: 11.19 min Scan# 840
 Delta R.T. 0.01 min
 Lab File: BF090052.D
 Acq: 9 Sep 2016 17:57

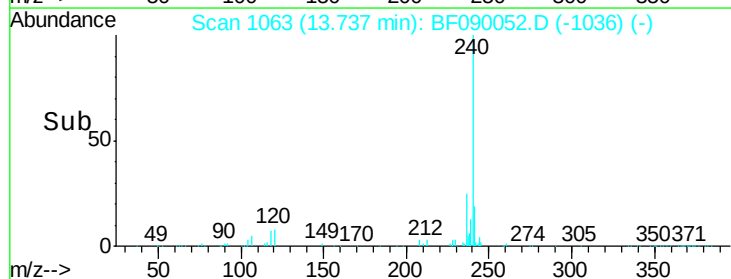
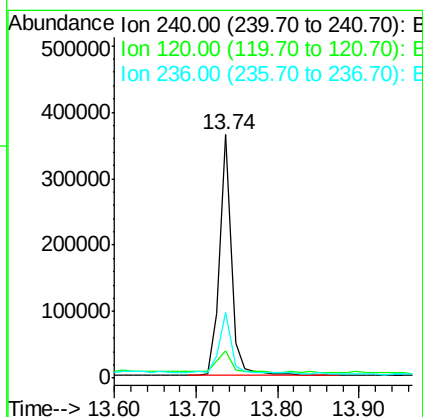
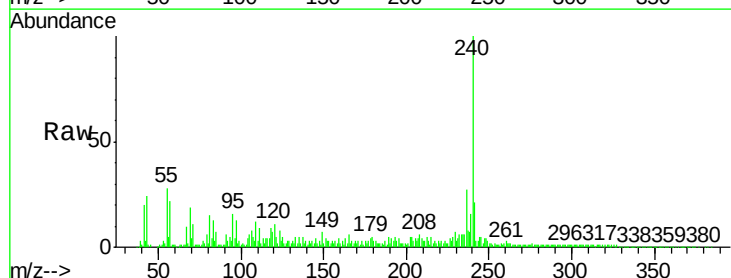
Instrument :
 BNA_F
 ClientSampled :
 SS-UST16

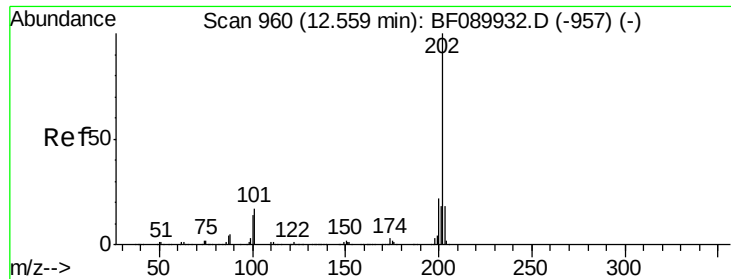
Tgt Ion:178 Resp: 47645
 Ion Ratio Lower Upper
 178 100
 176 28.8 15.8 23.8#
 179 82.6 13.0 19.4#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: BF090052.D
 Acq: 9 Sep 2016 17:57

Tgt Ion:240 Resp: 361769
 Ion Ratio Lower Upper
 240 100
 120 11.0 5.7 8.5#
 236 27.1 21.3 31.9





#77

Pyrene

Concen: 7.93 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.02 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-UST16

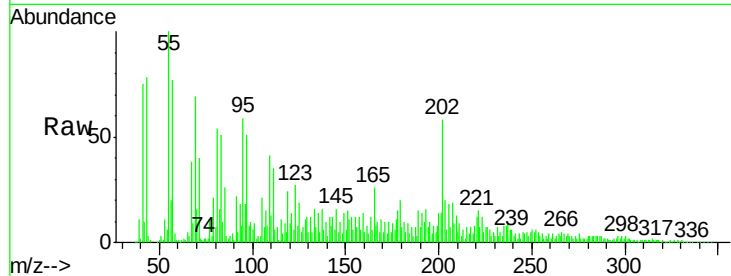
Tgt Ion:202 Resp: 202399

Ion Ratio Lower Upper

202 100

200 24.2 17.6 26.4

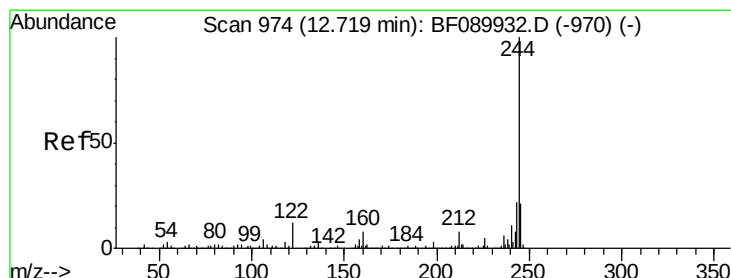
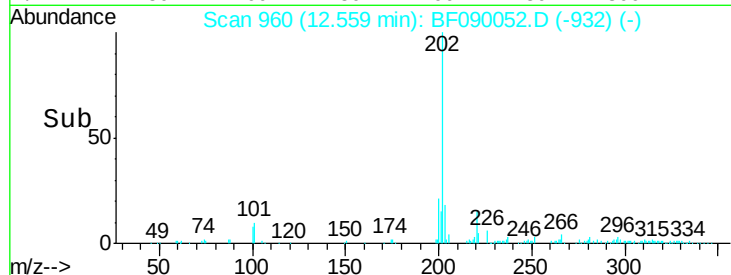
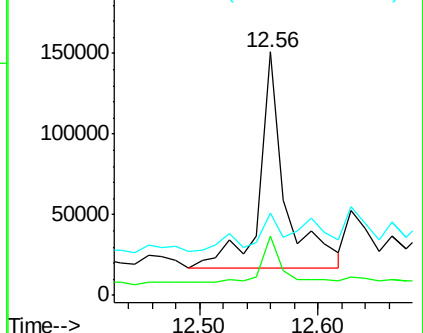
203 33.8 14.6 21.8#



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: 50.93 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.03 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

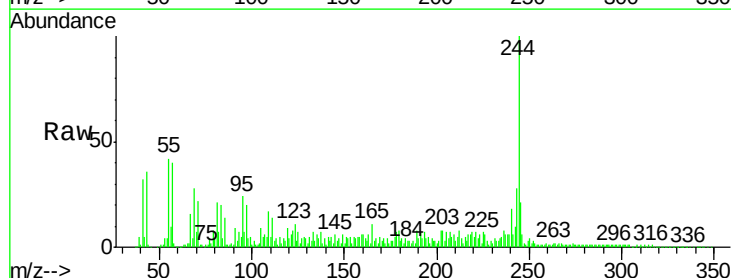
Tgt Ion:244 Resp: 745933

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

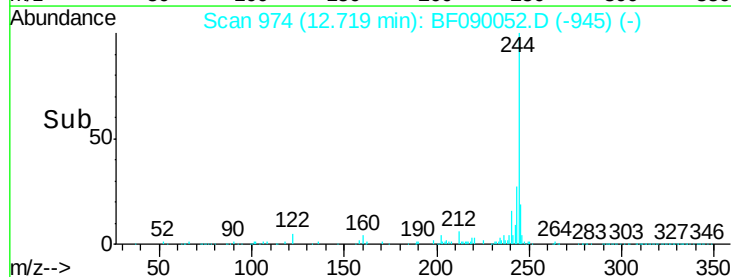
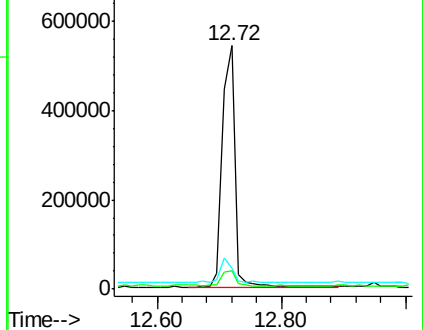
122 8.5 9.6 14.4#

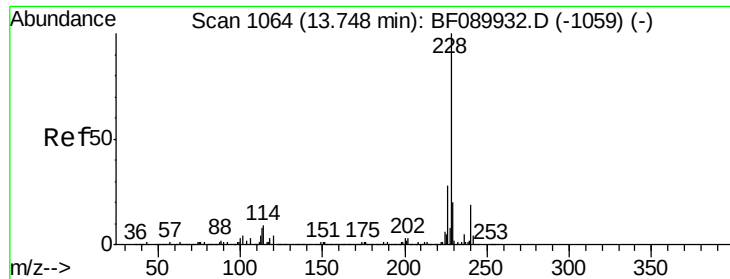


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.87 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SS-UST16

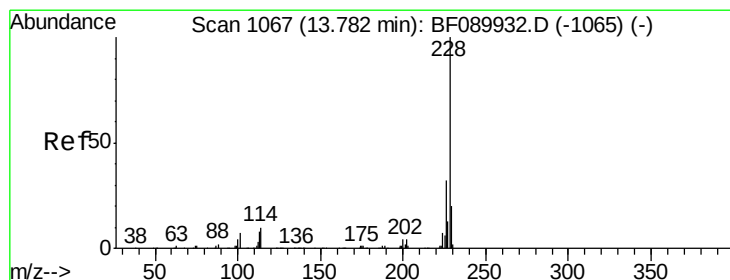
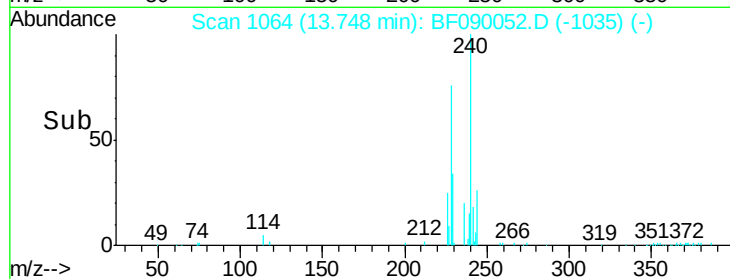
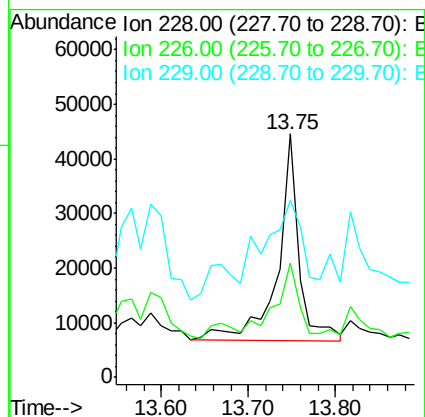
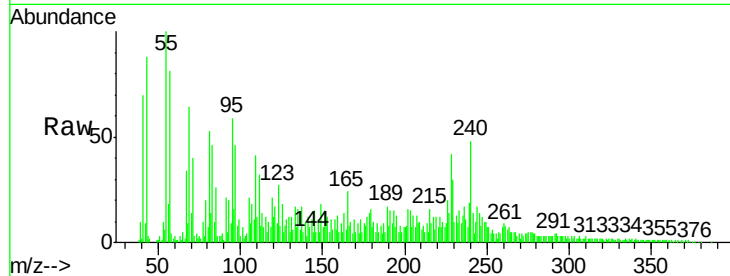
Tgt Ion:228 Resp: 63698

Ion Ratio Lower Upper

228 100

226 46.8 22.2 33.2#

229 72.6 15.8 23.6#



#82

Chrysene

Concen: 3.21 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF090052.D

Acq: 9 Sep 2016 17:57

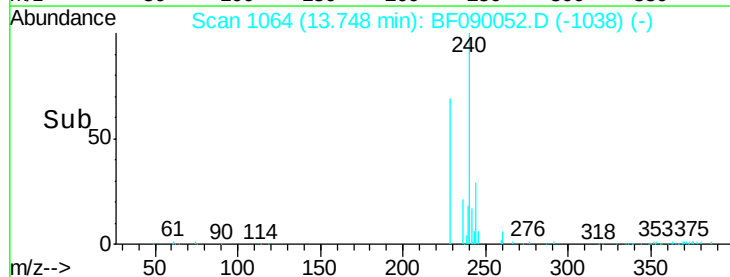
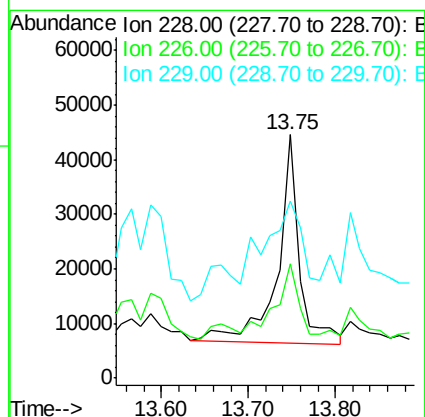
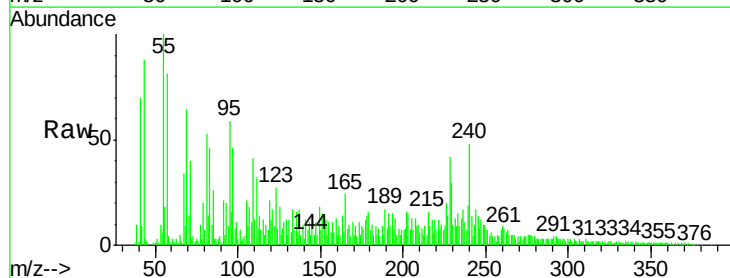
Tgt Ion:228 Resp: 66383

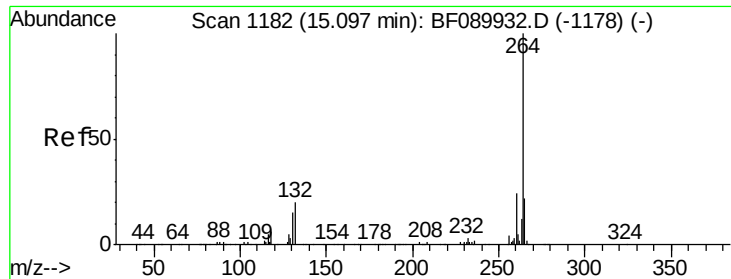
Ion Ratio Lower Upper

228 100

226 46.8 25.2 37.8#

229 72.6 16.2 24.2#

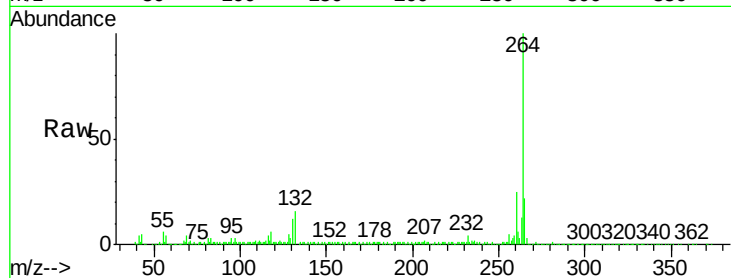




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF090052.D
Acq: 9 Sep 2016 17:57

Instrument :
BNA_F
ClientSampleId :
SS-UST16

Tgt Ion: 264 Resp: 434940
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 21.9 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

