

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072716\
 Data File : BF089336.D
 Acq On : 27 Jul 2016 18:49
 Operator : UM/SJ
 Sample : H4149-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46C

Quant Time: Jul 28 01:02:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	40211	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	186036	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	84876	20.00	ng	0.00
63) Phenanthrene-d10	11.04	188	172581	20.00	ng	-0.01
75) Chrysene-d12	13.67	240	126491	20.00	ng	0.00
86) Perylene-d12	15.01	264	110850	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	235000	93.32	ng	0.01
7) Phenol-d6	6.19	99	371927	111.75	ng	-0.01
23) Nitrobenzene-d5	7.12	82	242982	77.09	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	59048	84.00	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	449402	77.71	ng	0.00
78) Terphenyl-d14	12.63	244	400527	74.11	ng	0.00

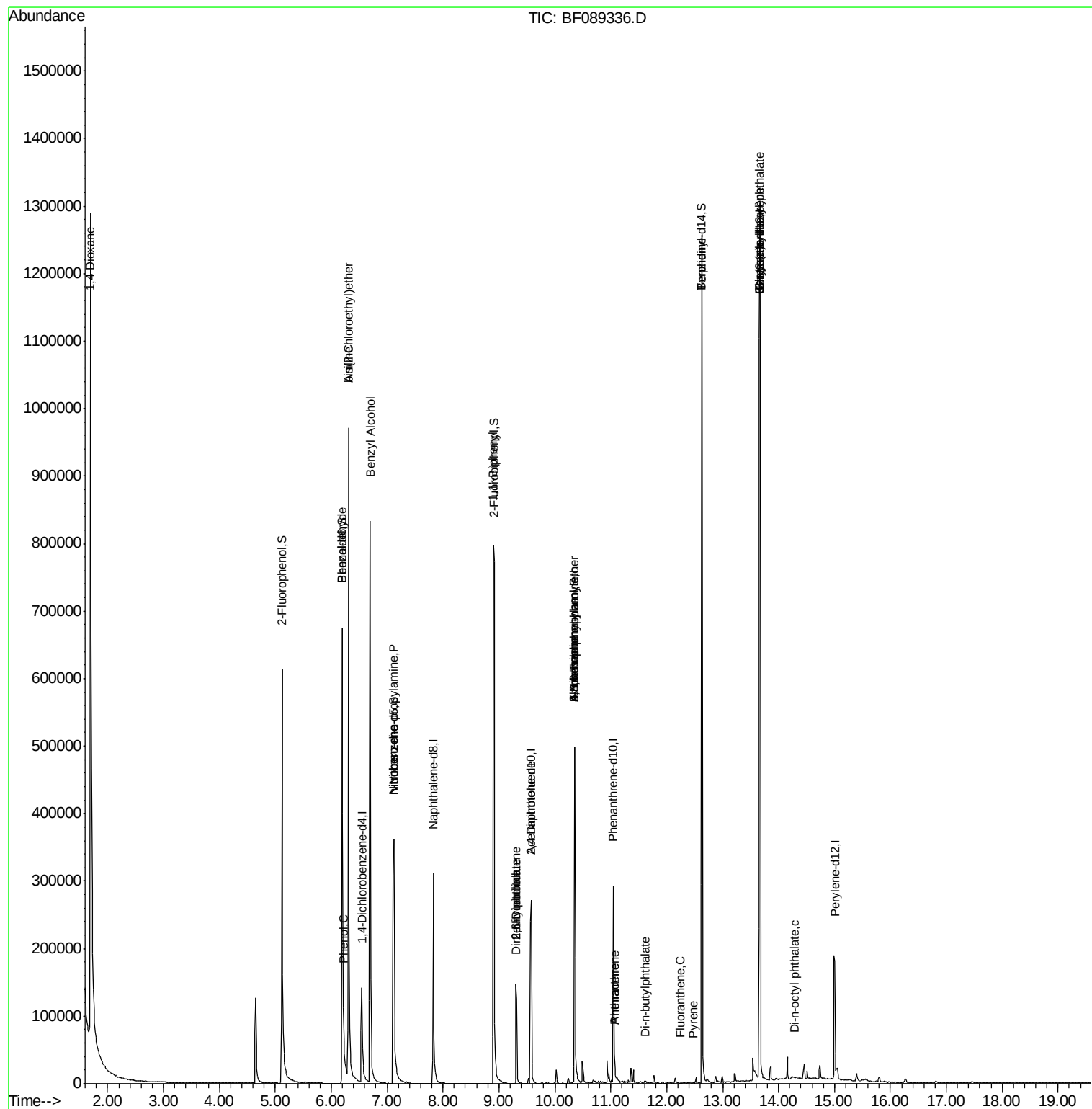
Target Compounds						Qvalue
2) 1,4-Dioxane	1.69	88	61236	54.98	ng	# 26
6) Aniline	6.31	93	263	0.07	ng	# 1
9) Benzaldehyde	6.19	77	294	0.18	ng	# 1
10) Phenol	6.22	94	3551	0.97	ng	# 16
11) bis(2-Chloroethyl)ether	6.31	93	263	0.08	ng	# 1
15) Benzyl Alcohol	6.70	79	3976	1.93	ng	# 49
19) n-Nitroso-di-n-propylamine	7.12	70	31124	15.51	ng	# 79
24) Nitrobenzene	7.12	77	531	0.15	ng	# 38
45) 1,1'-Biphenyl	8.90	154	765	0.11	ng	# 1
47) 2-Nitroaniline	9.30	65	923	0.57	ng	# 1
49) Dimethylphthalate	9.31	163	99674	15.43	ng	# 98
50) 2,6-Dinitrotoluene	9.30	165	843	0.64	ng	# 1
56) 2,4-Dinitrotoluene	9.58	165	10421	5.96	ng	# 7
57) Fluorene	10.35	166	2930	0.49	ng	# 87
62) Azobenzene	10.35	77	322	0.05	ng	# 1
65) n-Nitrosodiphenylamine	10.35	169	2278	0.42	ng	# 41
66) 4-Bromophenyl-phenylether	10.35	248	4527	2.75	ng	# 1
70) Phenanthrene	11.07	178	276	0.03	ng	# 60
71) Anthracene	11.07	178	276	0.03	ng	# 61
73) Di-n-butylphthalate	11.62	149	456	0.04	ng	# 78
74) Fluoranthene	12.25	202	569	0.06	ng	# 65
76) Benzidine	12.63	184	6206	1.33	ng	# 95
77) Pyrene	12.48	202	433	0.05	ng	# 57
80) Benzo(a)anthracene	13.66	228	805	0.11	ng	# 52
82) Chrysene	13.66	228	805	0.11	ng	# 49
83) Bis(2-ethylhexyl)phthalate	13.67	149	667940	106.01	ng	# 95
84) Di-n-octyl phthalate	14.29	149	3397	0.35	ng	# 1

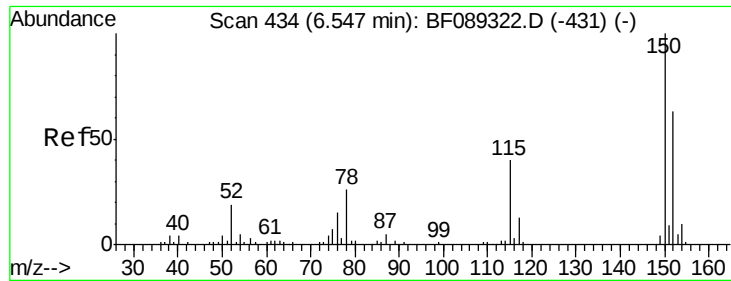
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072716\
Data File : BF089336.D
Acq On : 27 Jul 2016 18:49
Operator : UM/SJ
Sample : H4149-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOCATION-46C

Quant Time: Jul 28 01:02:08 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:12:17 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

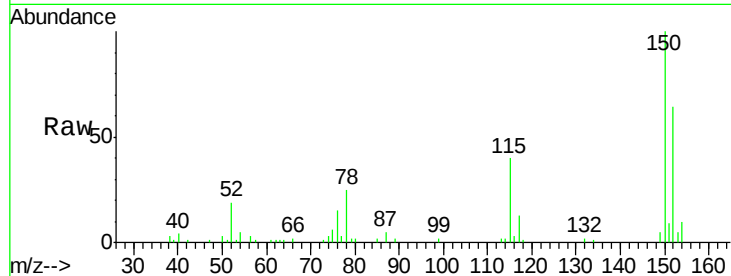
Tgt Ion:152 Resp: 40211

Ion Ratio Lower Upper

152 100

150 156.8 129.5 194.3

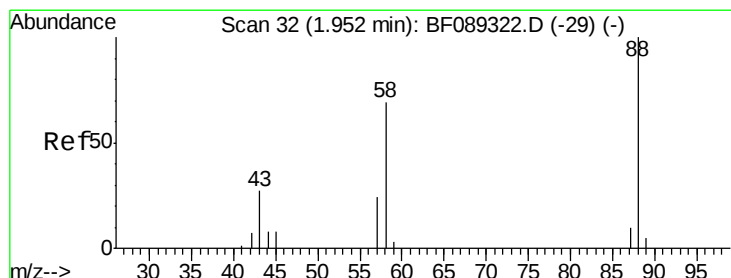
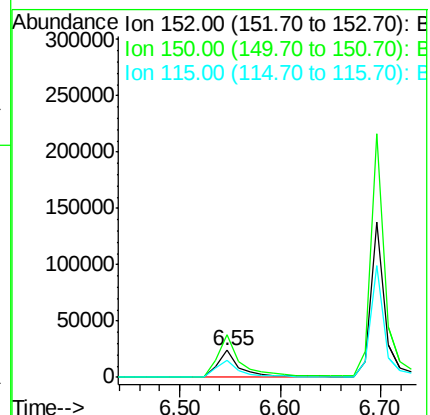
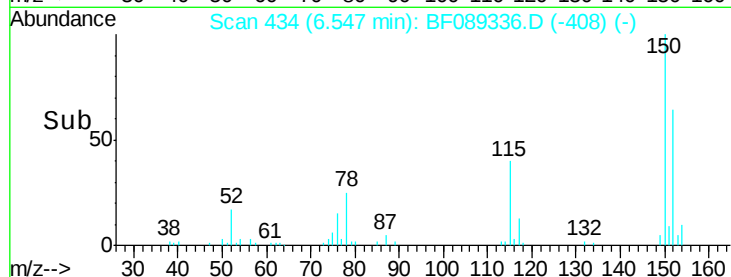
115 62.7 51.4 77.2



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



#2

1,4-Dioxane

Concen: 54.98 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.26 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

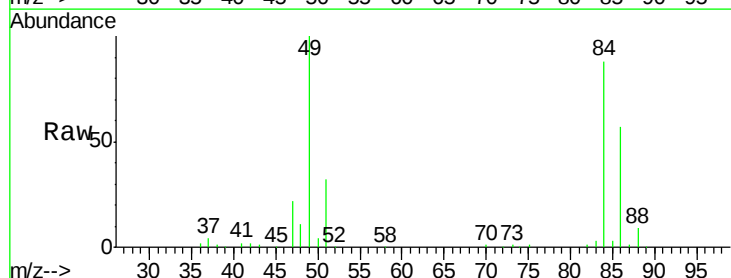
Tgt Ion: 88 Resp: 61236

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

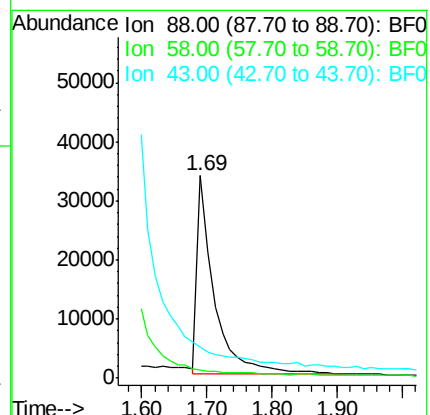
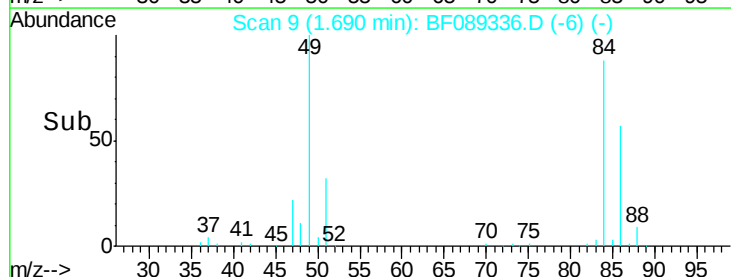
43 0.0 20.6 31.0#

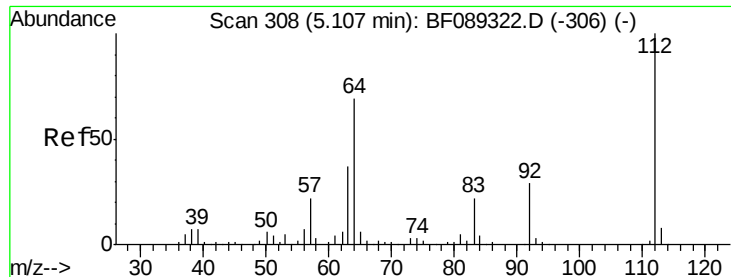


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 93.32 ng

RT: 5.12 min Scan# 309

Delta R.T. 0.01 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

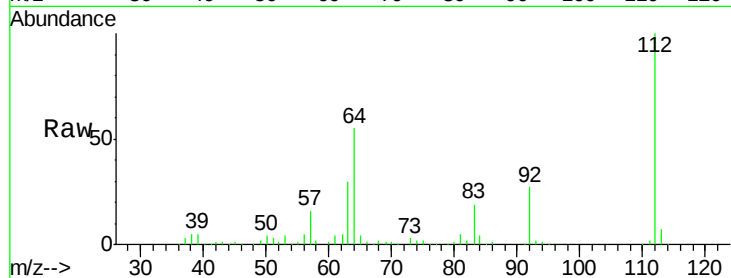
Tgt Ion: 112 Resp: 235000

Ion Ratio Lower Upper

112 100

64 54.8 55.0 82.6#

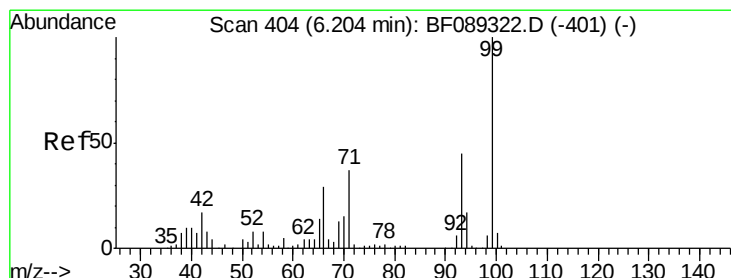
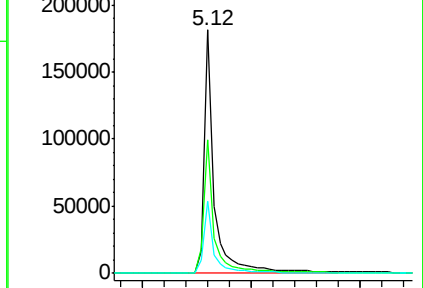
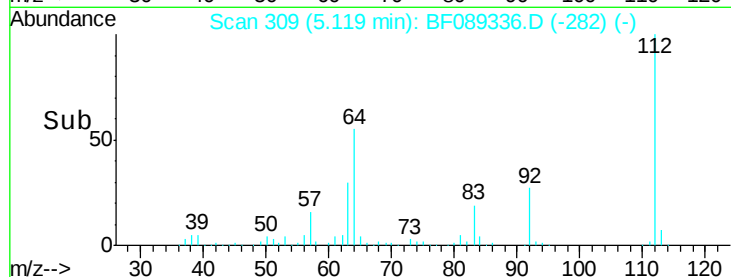
63 29.8 29.4 44.2



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



#6

Aniline

Concen: 0.07 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.10 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

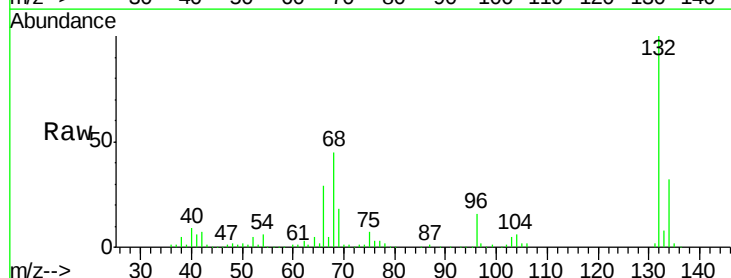
Tgt Ion: 93 Resp: 263

Ion Ratio Lower Upper

93 100

66 20068.8 51.6 77.4#

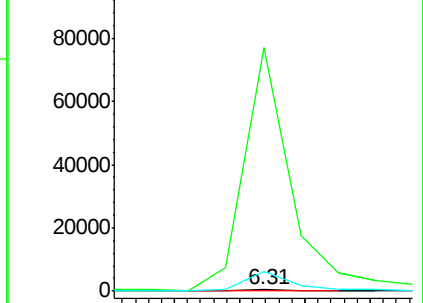
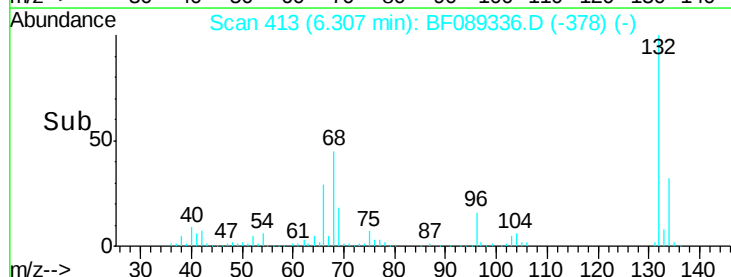
65 1616.7 24.7 37.1#

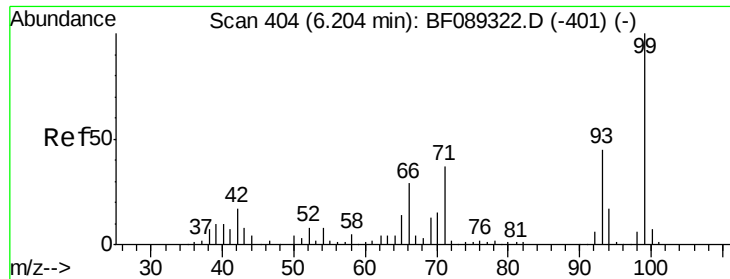


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 111.75 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

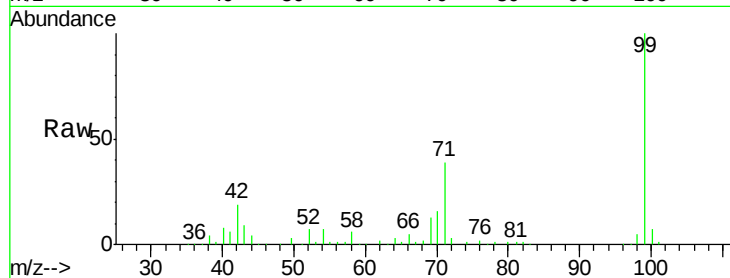
Tgt Ion: 99 Resp: 371927

Ion Ratio Lower Upper

99 100

42 19.3 13.6 20.4

71 39.3 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.19

250000

200000

150000

100000

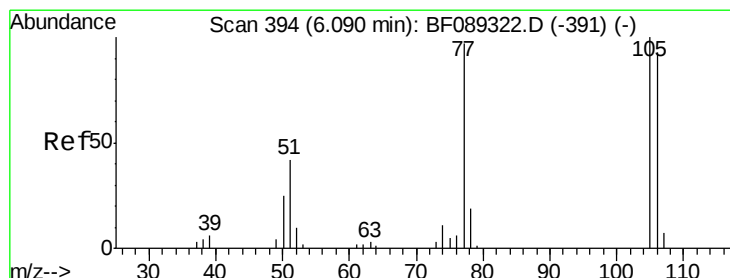
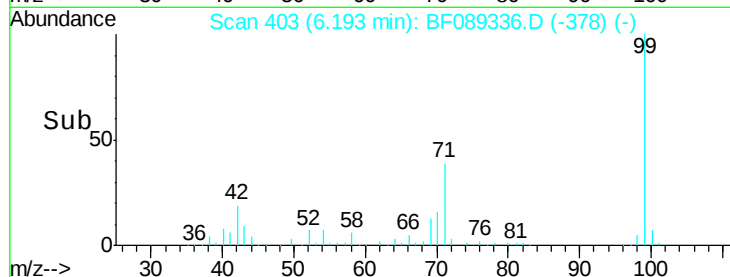
50000

0

6.20

6.40

Time-->



#9

Benzaldehyde

Concen: 0.18 ng

RT: 6.19 min Scan# 403

Delta R.T. 0.10 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

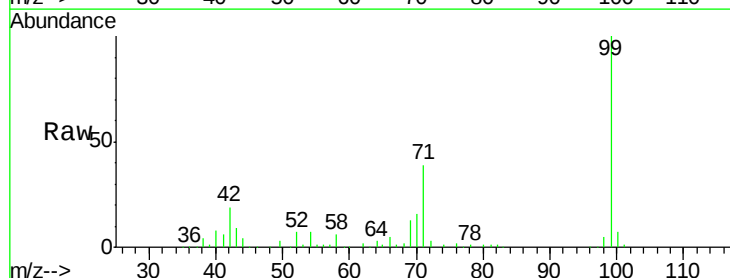
Tgt Ion: 77 Resp: 294

Ion Ratio Lower Upper

77 100

105 0.0 82.9 122.9#

106 0.0 75.9 115.9#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

6.19

500

400

300

200

100

0

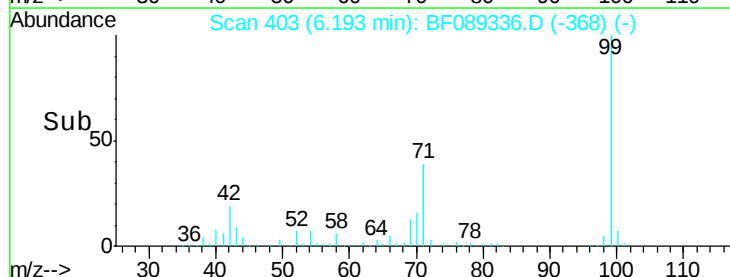
6.16

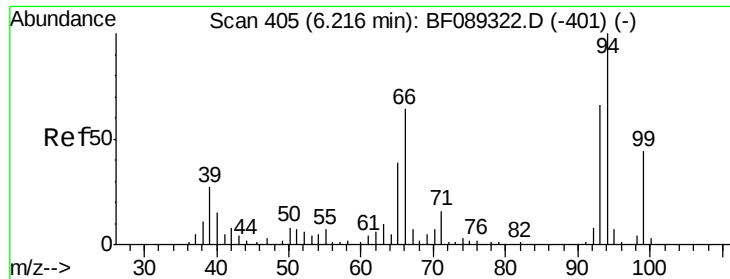
6.18

6.20

6.22

Time-->





#10

Phenol

Concen: 0.97 ng

RT: 6.22 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

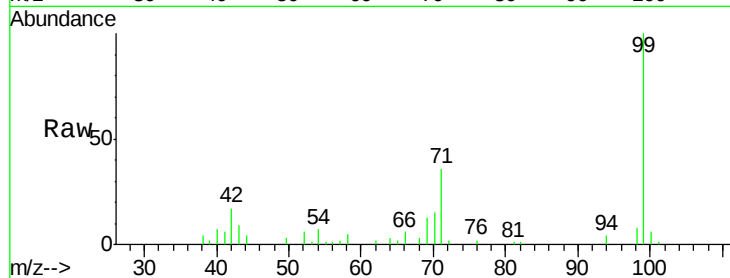
Tgt Ion: 94 Resp: 3551

Ion Ratio Lower Upper

94 100

65 52.3 19.1 59.1

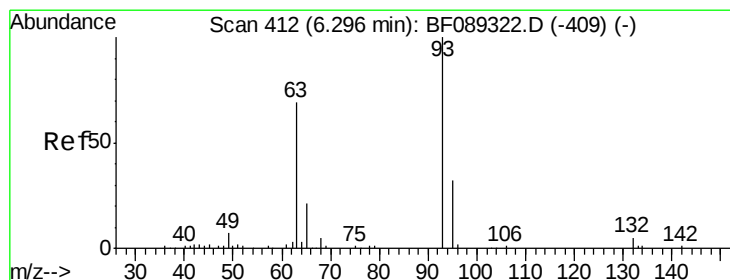
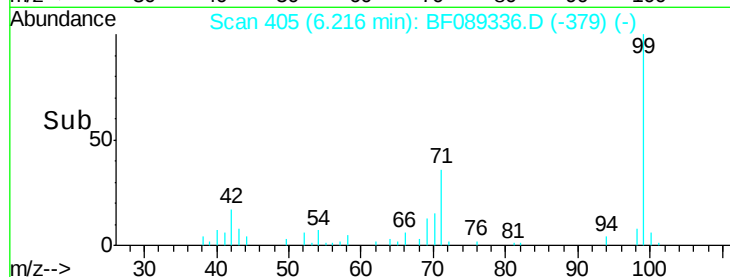
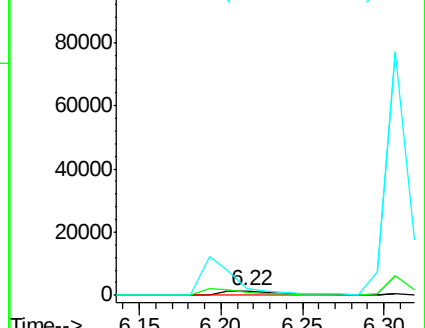
66 159.5 44.4 84.4#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.08 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

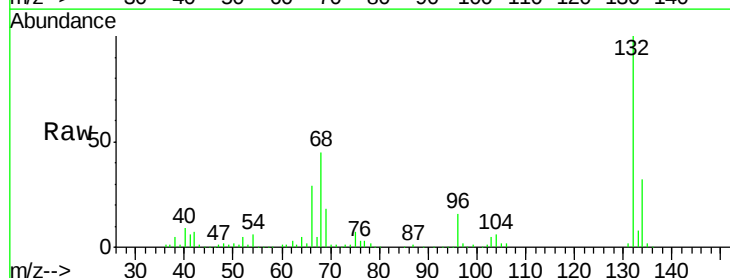
Tgt Ion: 93 Resp: 263

Ion Ratio Lower Upper

93 100

63 752.1 45.6 85.6#

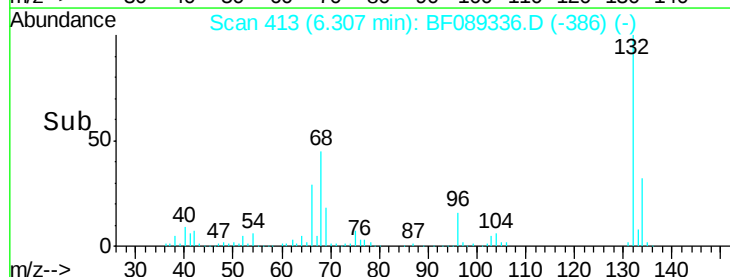
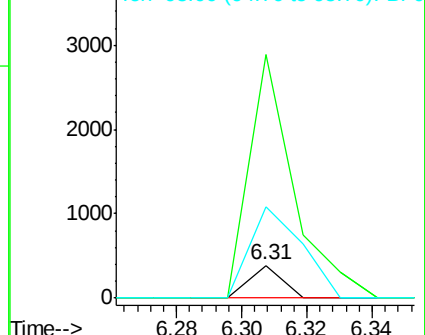
95 283.3 11.1 51.1#

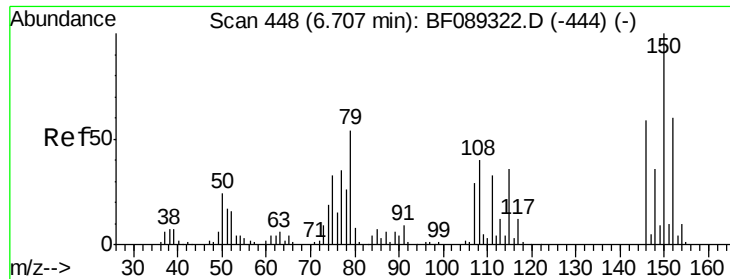


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

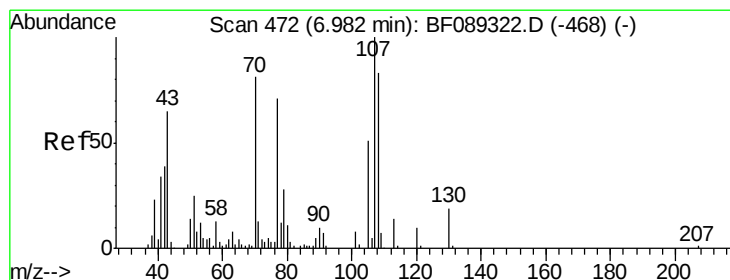
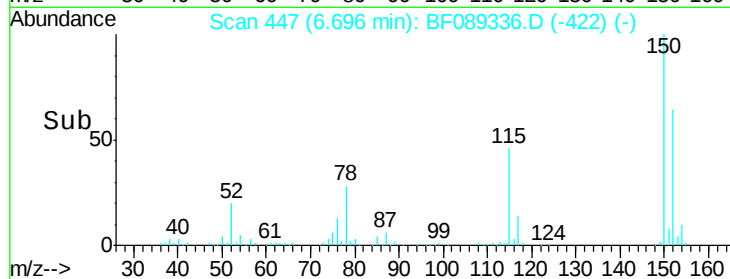
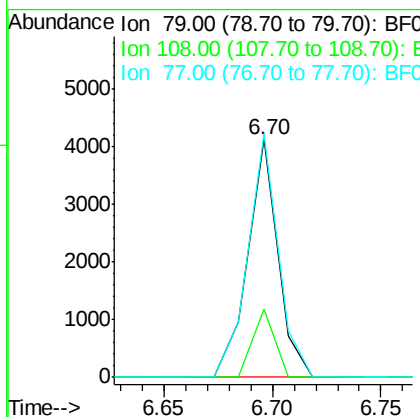
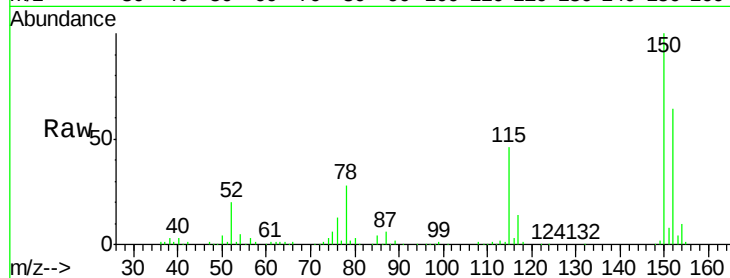




#15
Benzyl Alcohol
Concen: 1.93 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF089336.D
Acq: 27 Jul 2016 18:49

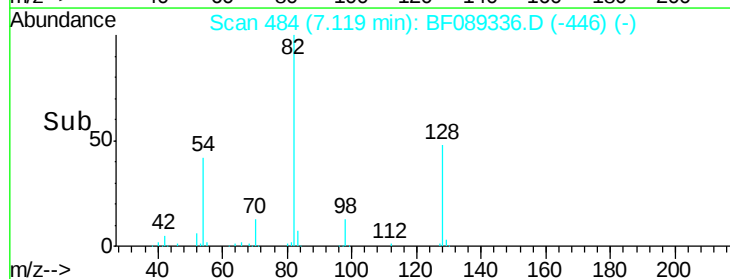
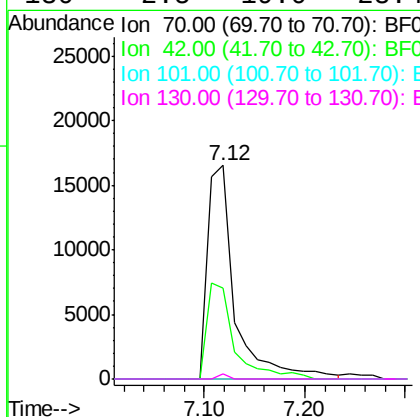
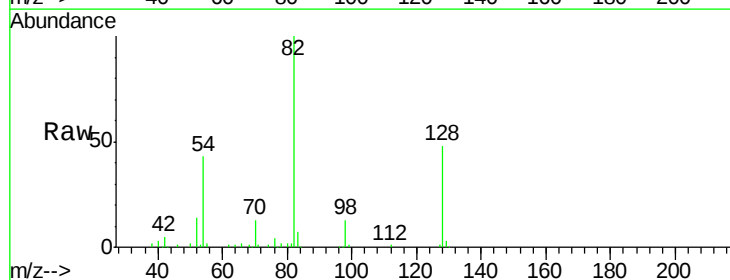
Instrument :
BNA_F
ClientSampleId :
LOCATION-46C

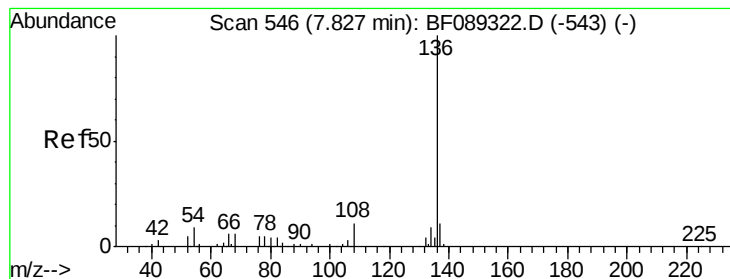
Tgt Ion: 79 Resp: 3976
Ion Ratio Lower Upper
79 100
108 28.9 59.8 89.6#
77 102.2 51.7 77.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.51 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.14 min
Lab File: BF089336.D
Acq: 27 Jul 2016 18:49

Tgt Ion: 70 Resp: 31124
Ion Ratio Lower Upper
70 100
42 42.8 38.6 57.8
101 0.0 8.3 12.5#
130 2.5 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

Tgt Ion:136 Resp: 186036

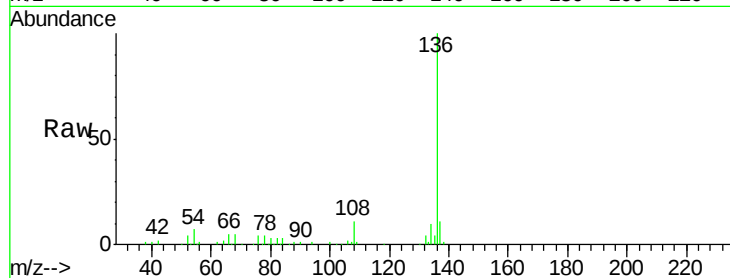
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.2 7.0 10.4

68 5.3 4.9 7.3

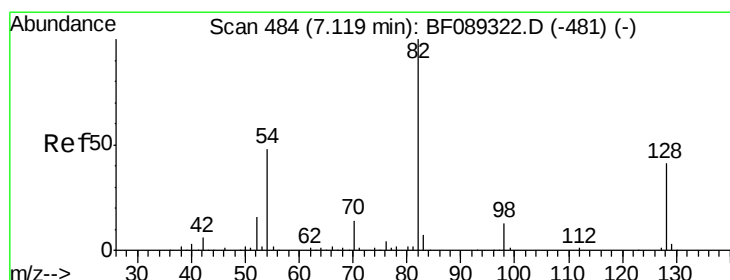
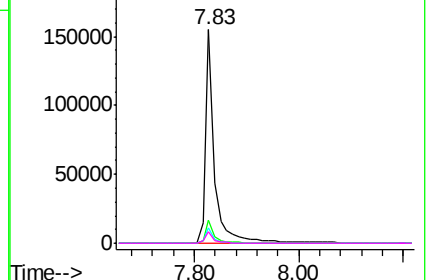
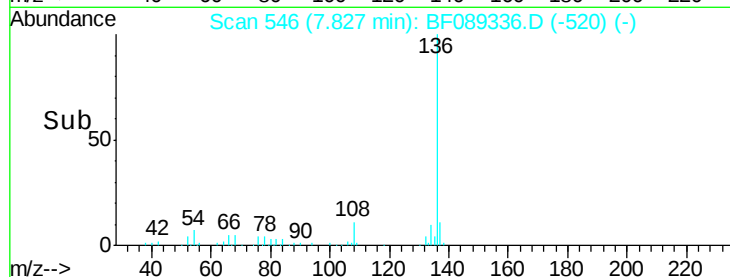


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.09 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

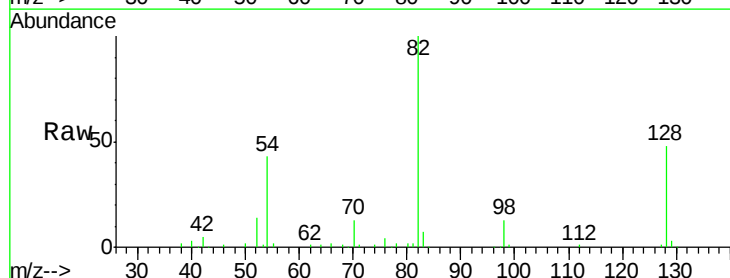
Tgt Ion: 82 Resp: 242982

Ion Ratio Lower Upper

82 100

128 48.5 32.5 48.7

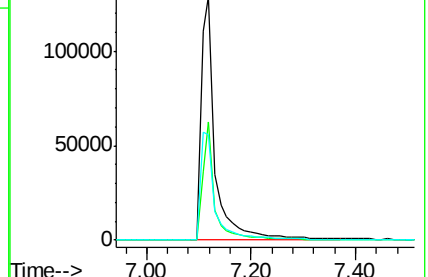
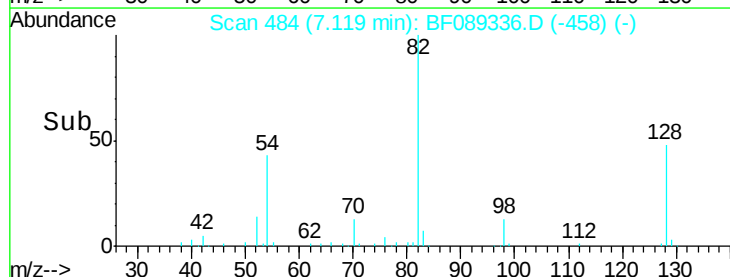
54 43.4 38.8 58.2

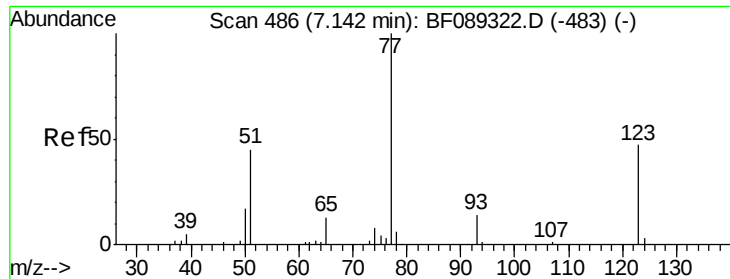


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

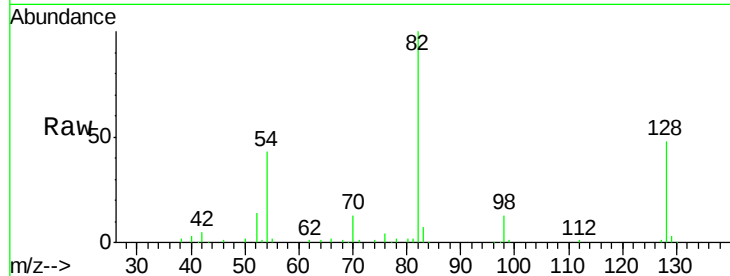




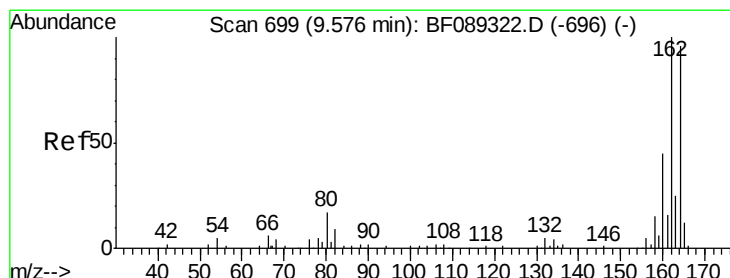
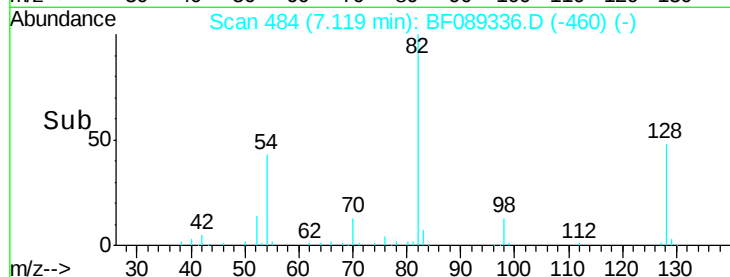
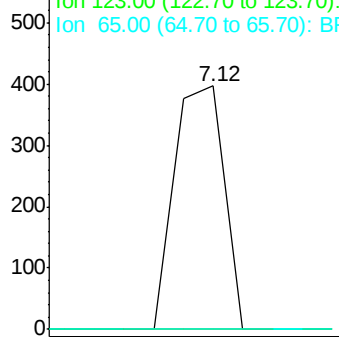
#24
 Nitrobenzene
 Concen: 0.15 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46C

Tgt Ion: 77 Resp: 531
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.2 55.8#
 65 0.0 10.2 15.4#

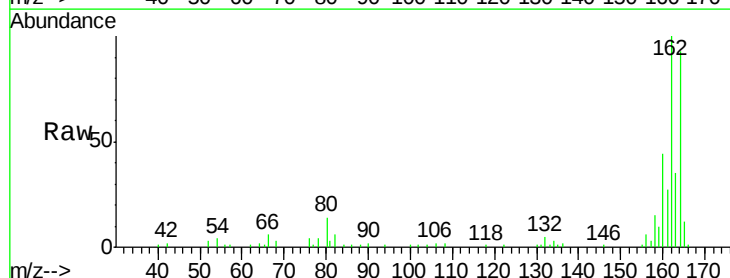


Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): E
 Ion 65.00 (64.70 to 65.70): BF0

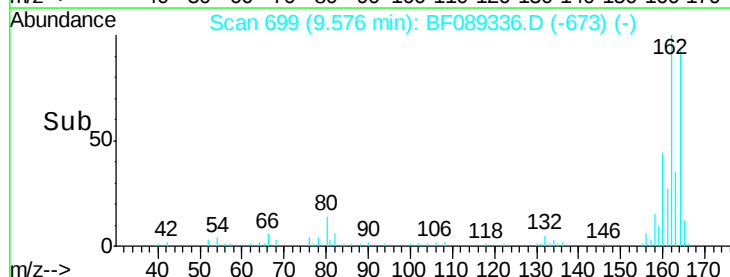
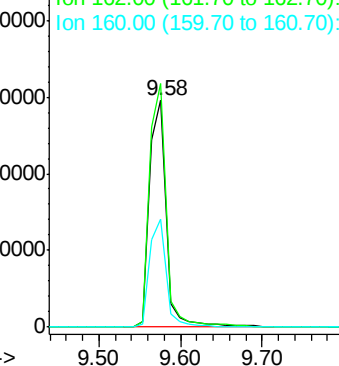


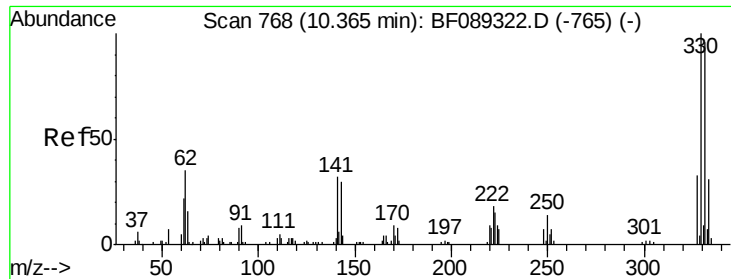
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

Tgt Ion: 164 Resp: 84876
 Ion Ratio Lower Upper
 164 100
 162 107.5 83.7 125.5
 160 47.7 37.8 56.6



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

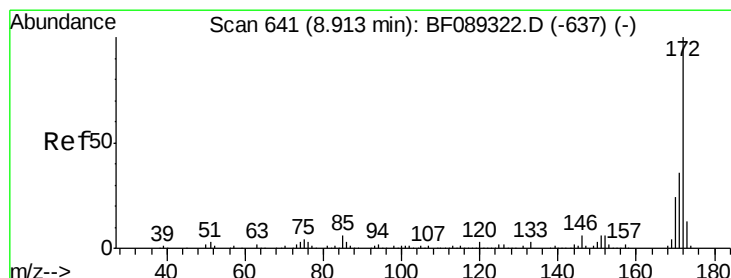
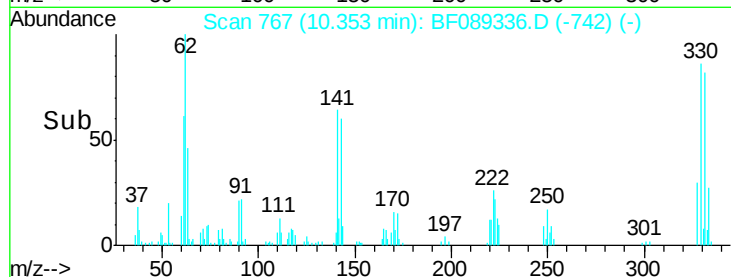
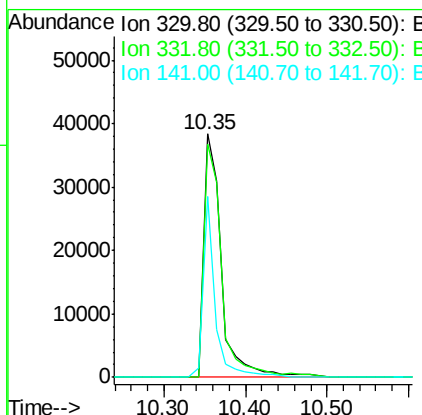
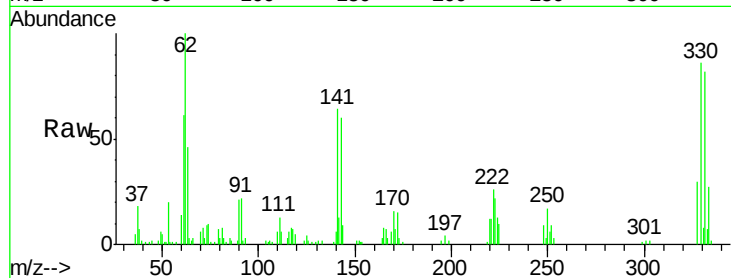




#41
 2,4,6-Tribromophenol
 Concen: 84.00 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

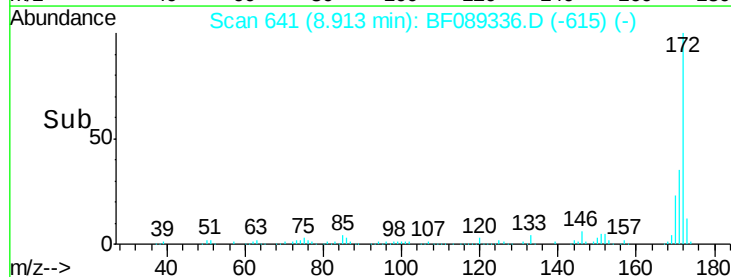
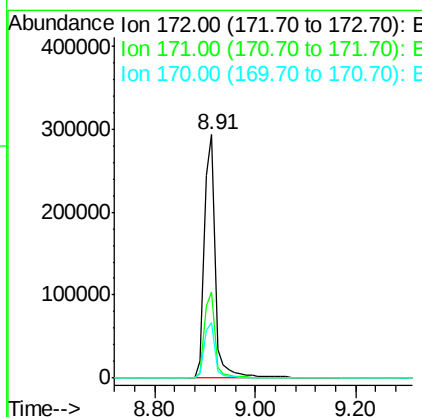
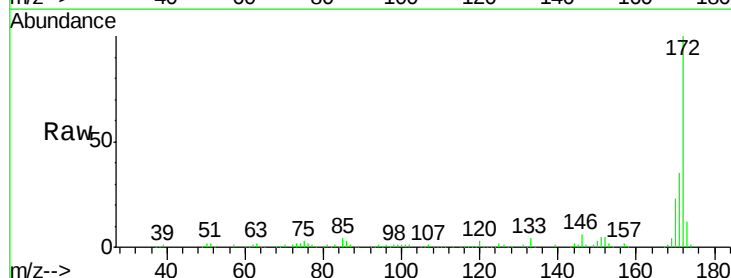
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46C

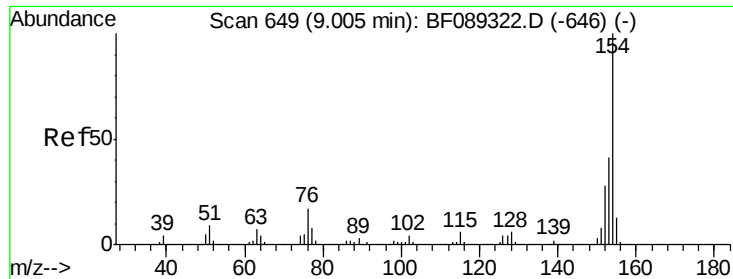
Tgt Ion:330 Resp: 59048
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.8 115.2
 141 50.8 37.3 55.9



#44
 2-Fluorobiphenyl
 Concen: 77.71 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

Tgt Ion:172 Resp: 449402
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.2 43.8
 170 23.0 19.2 28.8

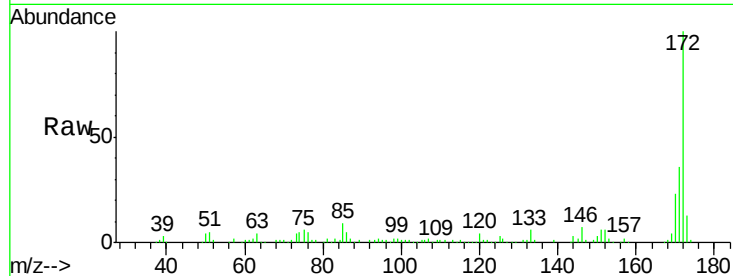




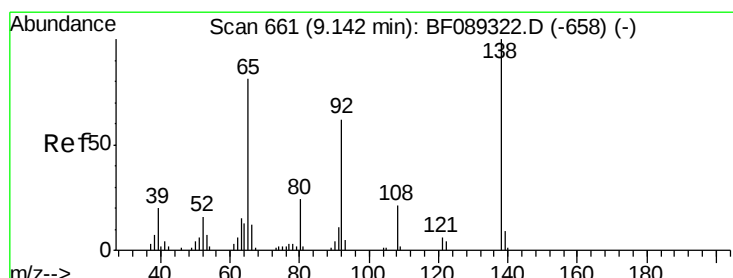
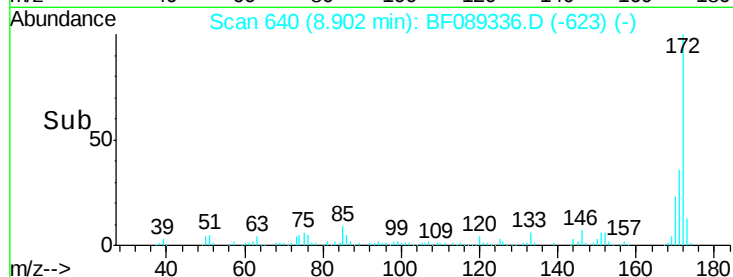
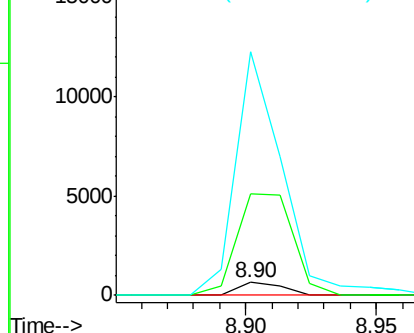
#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 8.90 min Scan# 640
Delta R.T. -0.10 min
Lab File: BF089336.D
Acq: 27 Jul 2016 18:49

Instrument :
BNA_F
ClientSampleId :
LOCATION-46C

Tgt Ion:154 Resp: 765
Ion Ratio Lower Upper
154 100
153 791.9 21.0 61.0#
76 1902.6 0.0 36.6#

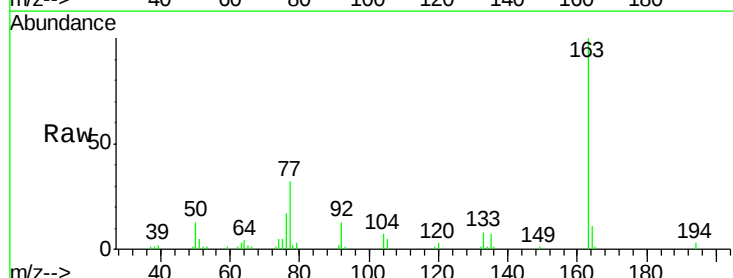


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

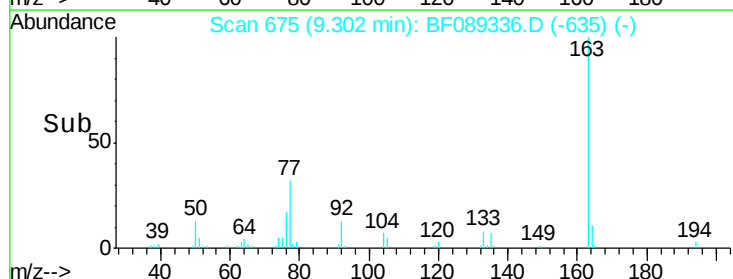
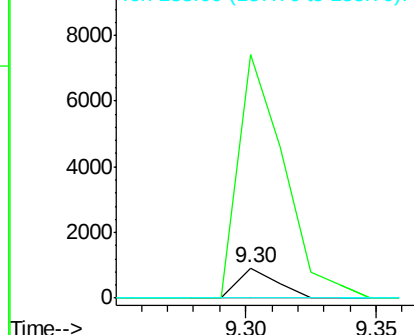


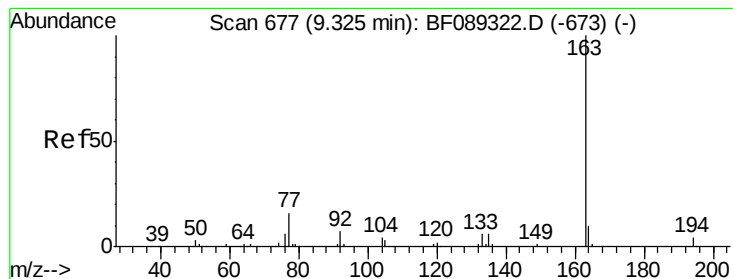
#47
2-Nitroaniline
Concen: 0.57 ng
RT: 9.30 min Scan# 675
Delta R.T. 0.16 min
Lab File: BF089336.D
Acq: 27 Jul 2016 18:49

Tgt Ion: 65 Resp: 923
Ion Ratio Lower Upper
65 100
92 804.1 61.0 91.4#
138 0.0 99.1 148.7#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 15.43 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

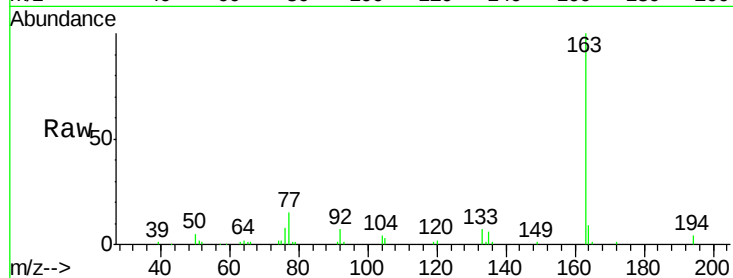
Tgt Ion:163 Resp: 99674

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

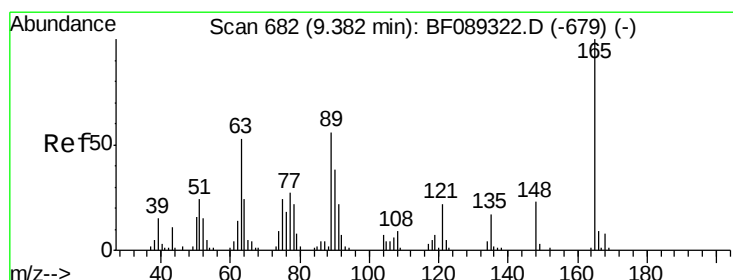
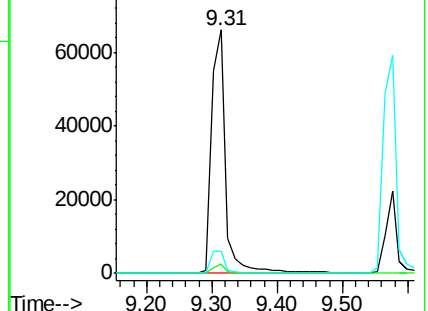
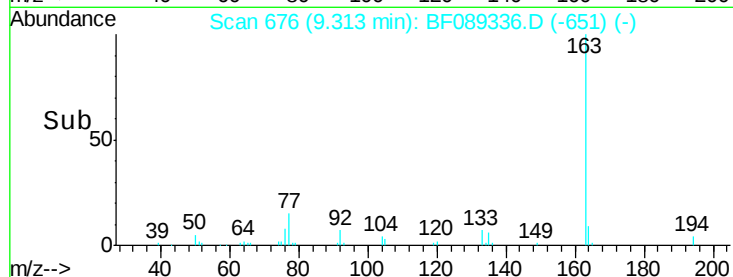
164 9.2 7.8 11.8



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: 0.64 ng

RT: 9.30 min Scan# 675

Delta R.T. -0.08 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

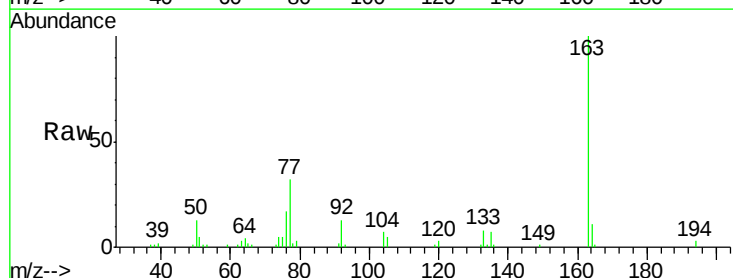
Tgt Ion:165 Resp: 843

Ion Ratio Lower Upper

165 100

63 260.2 43.5 65.3#

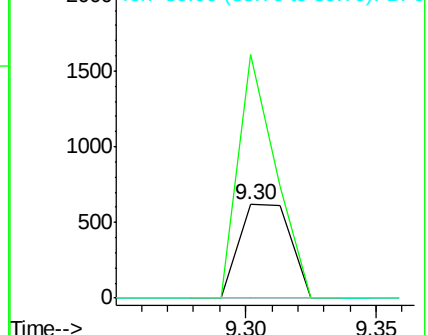
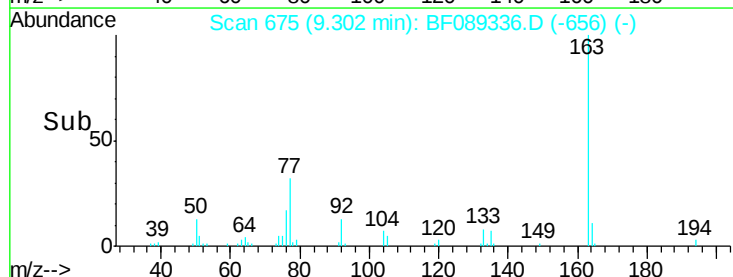
89 0.0 45.0 67.4#

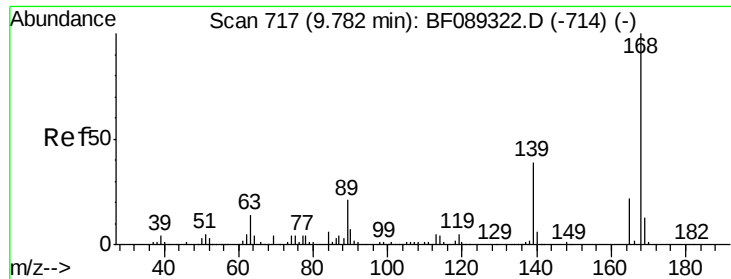


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

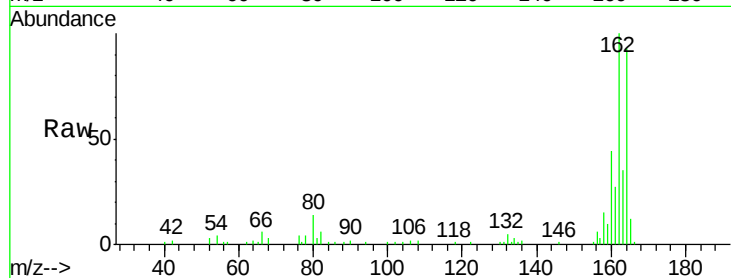




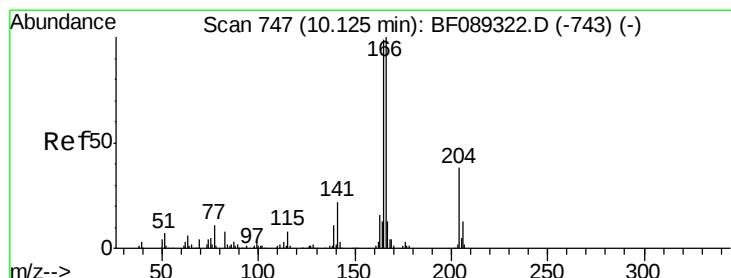
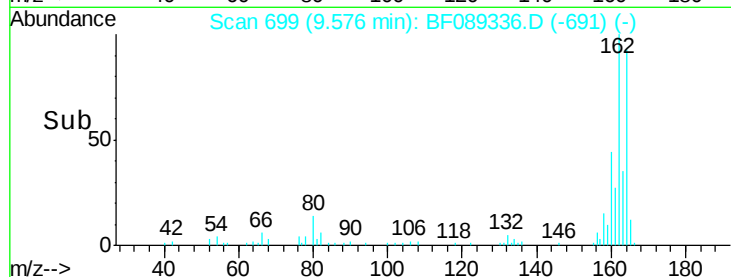
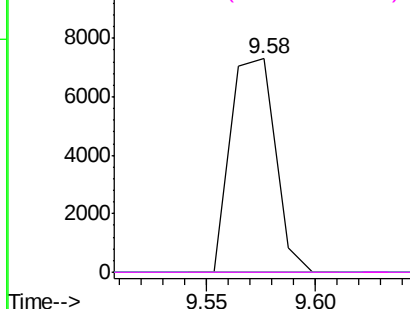
#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.21 min
Lab File: BF089336.D
Acq: 27 Jul 2016 18:49

Instrument :
BNA_F
ClientSampleId :
LOCATION-46C

Tgt Ion:165 Resp: 10421
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

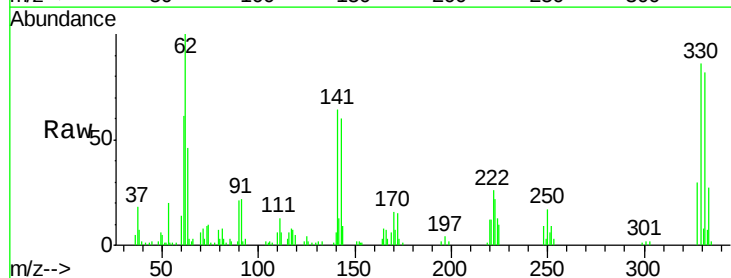


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

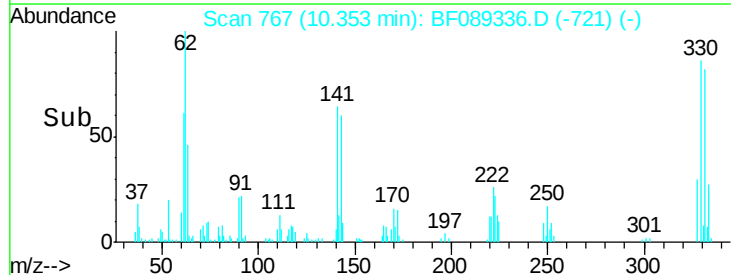
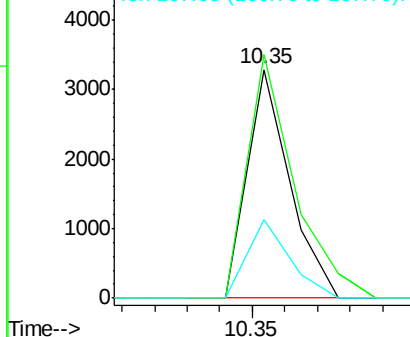


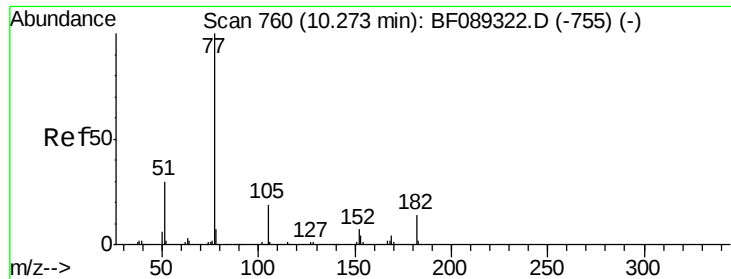
#57
Fluorene
Concen: 0.49 ng
RT: 10.35 min Scan# 767
Delta R.T. 0.23 min
Lab File: BF089336.D
Acq: 27 Jul 2016 18:49

Tgt Ion:166 Resp: 2930
Ion Ratio Lower Upper
166 100
165 106.4 79.0 118.4
167 34.1 10.2 15.2#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#62

Azobenzene

Concen: 0.05 ng

RT: 10.35 min Scan# 767

Delta R.T. 0.08 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

Tgt Ion: 77 Resp: 322

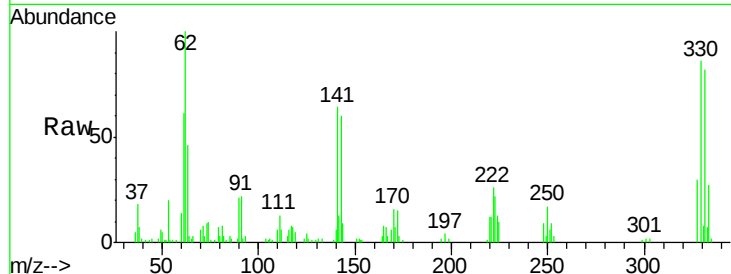
Ion Ratio Lower Upper

77 100

182 0.0 0.0 33.8

105 106.4 0.0 39.8#

51 76.5 11.0 51.0#

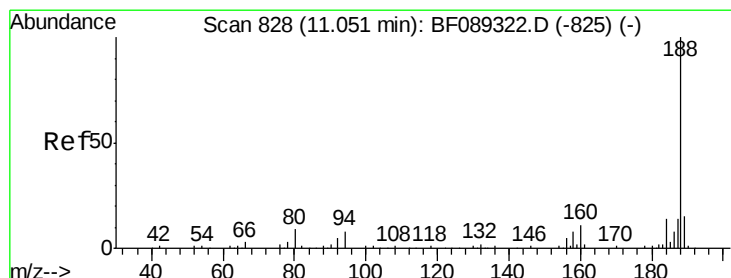
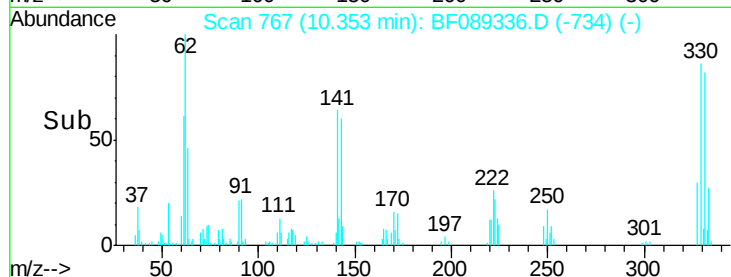
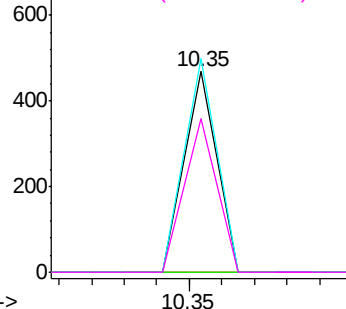


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.04 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

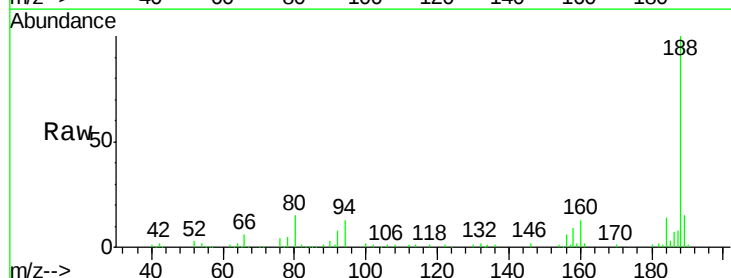
Tgt Ion: 188 Resp: 172581

Ion Ratio Lower Upper

188 100

94 13.2 6.5 9.7#

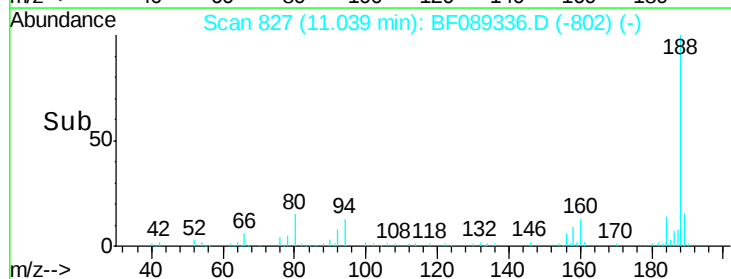
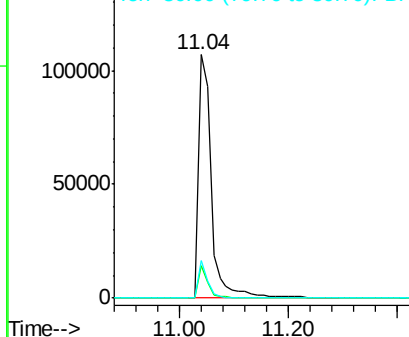
80 15.5 7.2 10.8#

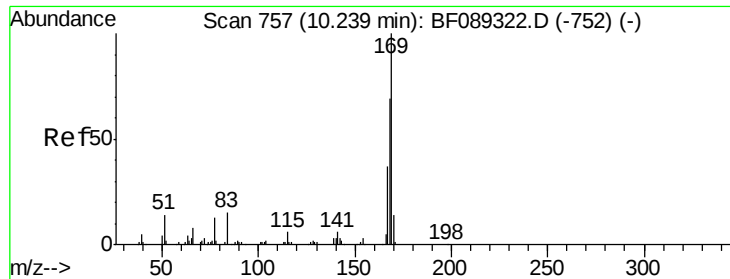


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

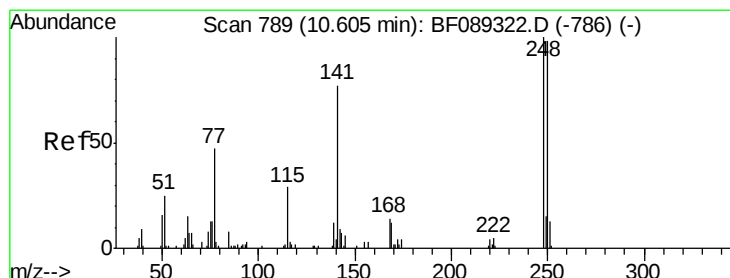
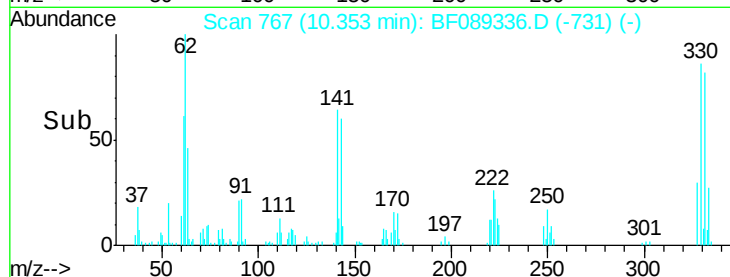
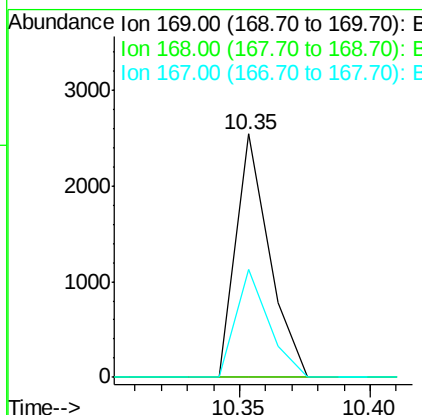
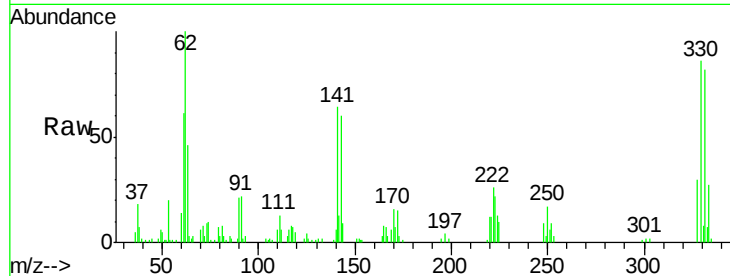




#65
 n-Nitrosodiphenylamine
 Concen: 0.42 ng
 RT: 10.35 min Scan# 767
 Delta R.T. 0.11 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

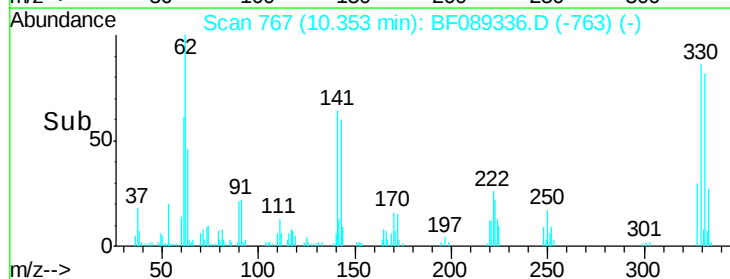
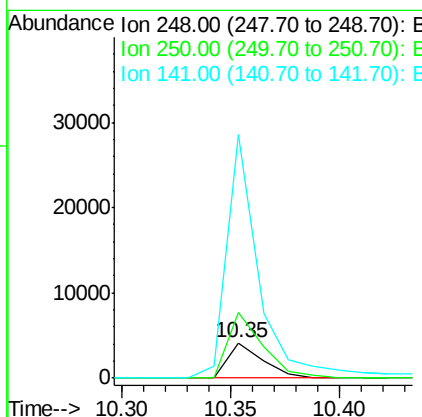
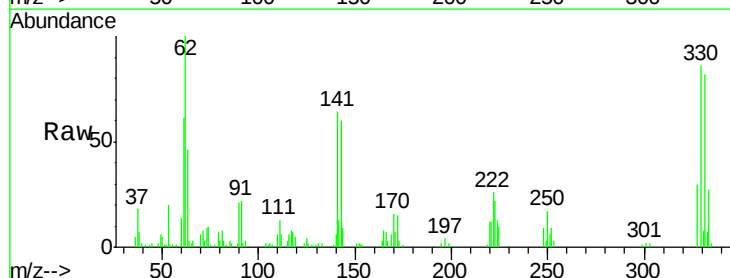
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46C

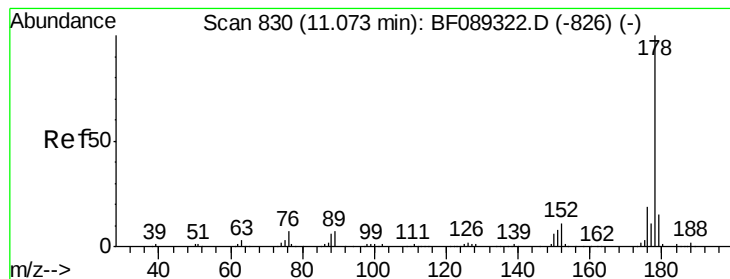
Tgt Ion:169 Resp: 2278
 Ion Ratio Lower Upper
 169 100
 168 0.0 55.4 83.0#
 167 44.2 29.7 44.5



#66
 4-Bromophenyl-phenylether
 Concen: 2.75 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.25 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

Tgt Ion:248 Resp: 4527
 Ion Ratio Lower Upper
 248 100
 250 187.7 78.2 117.2#
 141 691.7 62.0 93.0#





#70

Phenanthrene

Concen: 0.03 ng

RT: 11.07 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

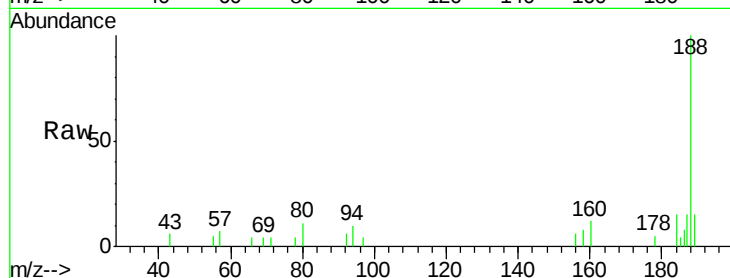
Tgt Ion:178 Resp: 276

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

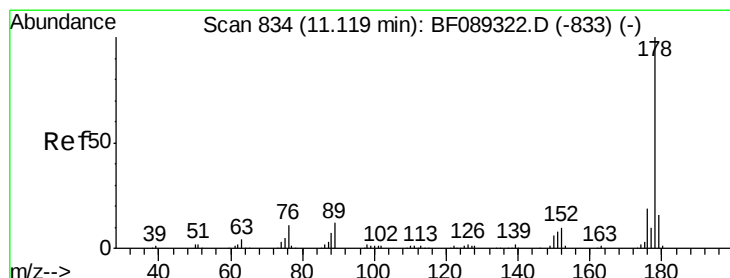
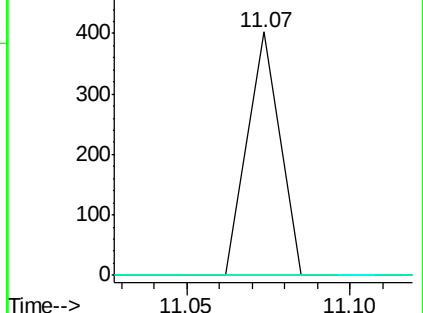
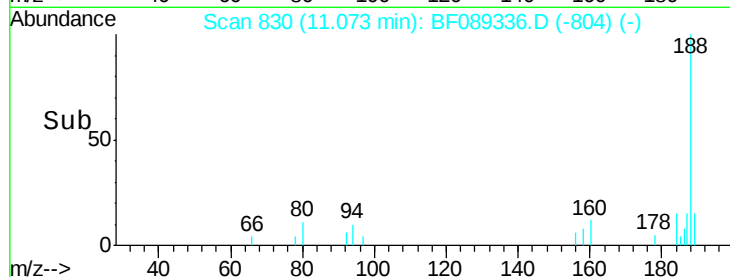
179 0.0 12.3 18.5#



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: 0.03 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.05 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

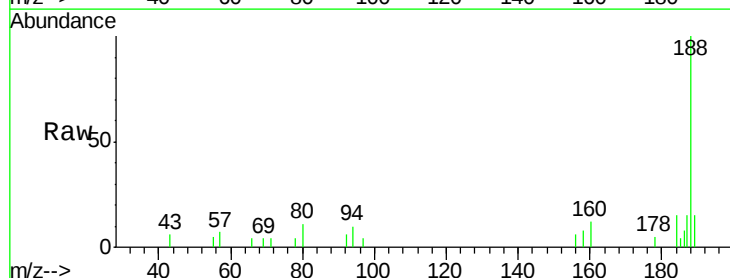
Tgt Ion:178 Resp: 276

Ion Ratio Lower Upper

178 100

176 0.0 14.8 22.2#

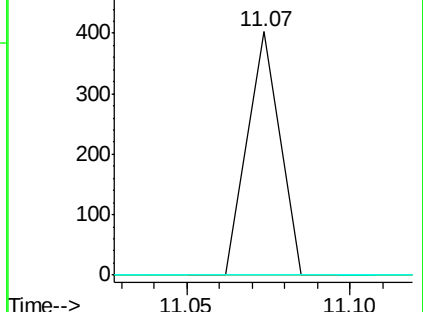
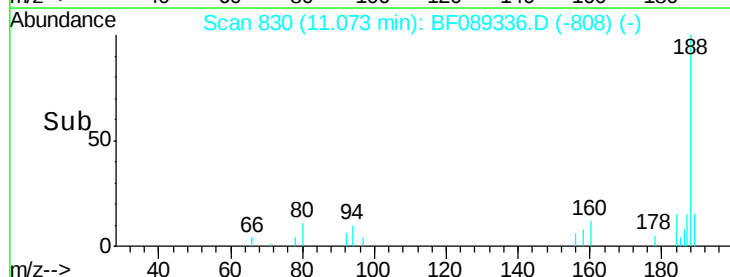
179 0.0 12.6 18.8#

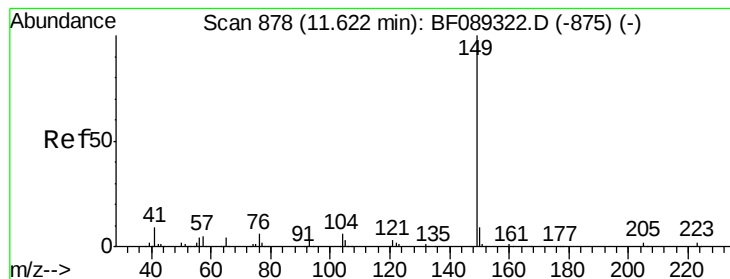


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 0.04 ng

RT: 11.62 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

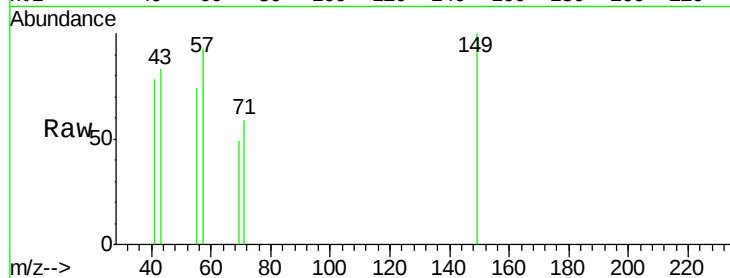
Tgt Ion:149 Resp: 456

Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.0#

104 0.0 4.7 7.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

11.62

800

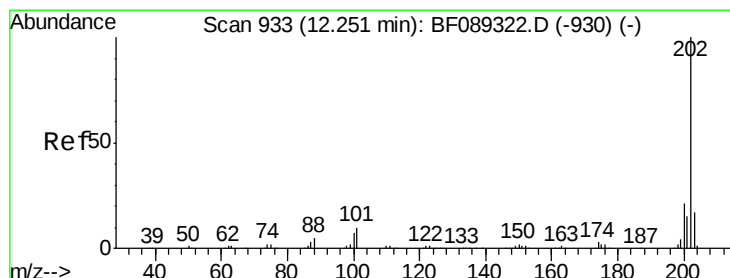
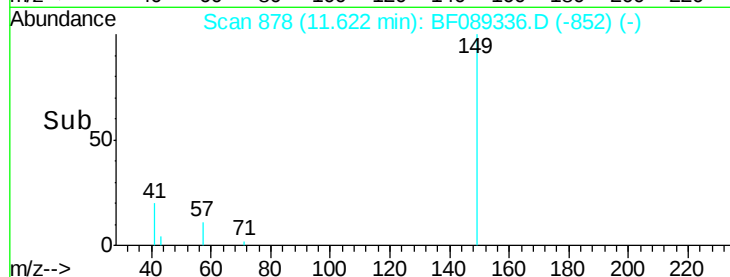
600

400

200

0

Time-->



#74

Fluoranthene

Concen: 0.06 ng

RT: 12.25 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

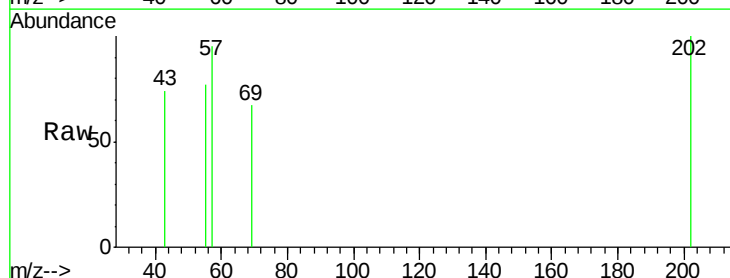
Tgt Ion:202 Resp: 569

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.9

203 0.0 0.0 37.3



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

12.25

600

500

400

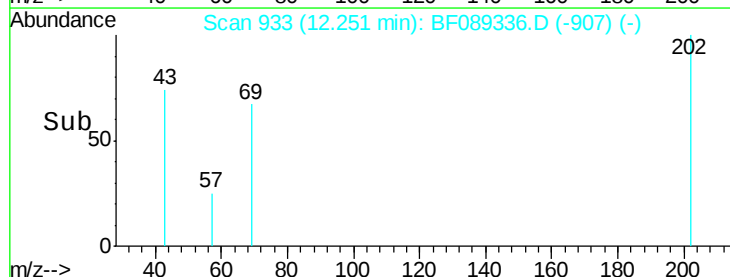
300

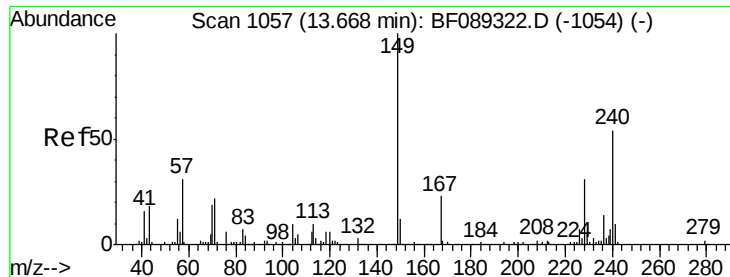
200

100

0

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

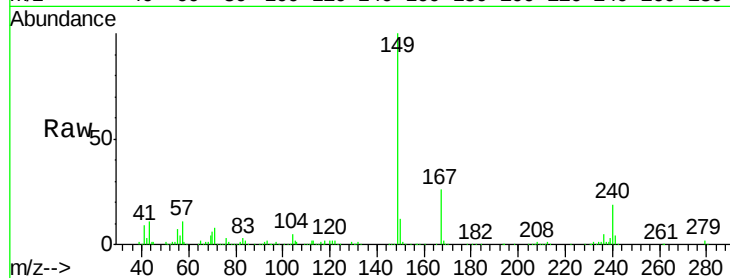
Tgt Ion:240 Resp: 126491

Ion Ratio Lower Upper

240 100

120 9.1 9.1 13.7#

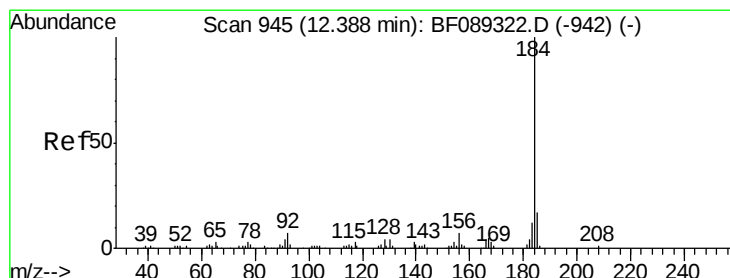
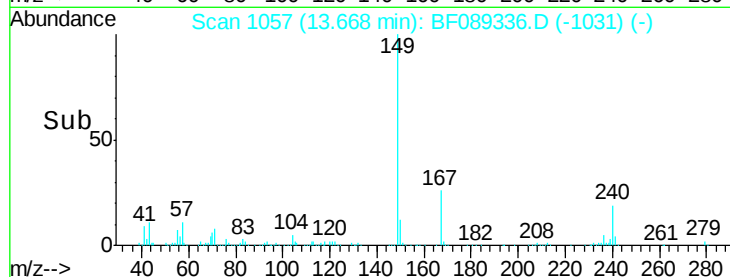
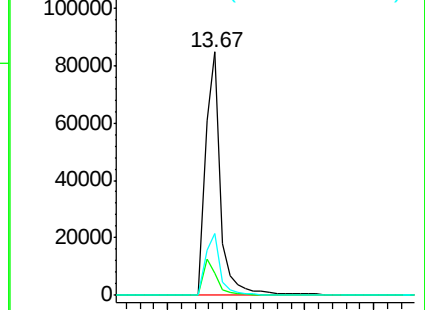
236 25.2 20.6 30.8



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



#76

Benzidine

Concen: 1.33 ng

RT: 12.63 min Scan# 966

Delta R.T. 0.24 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

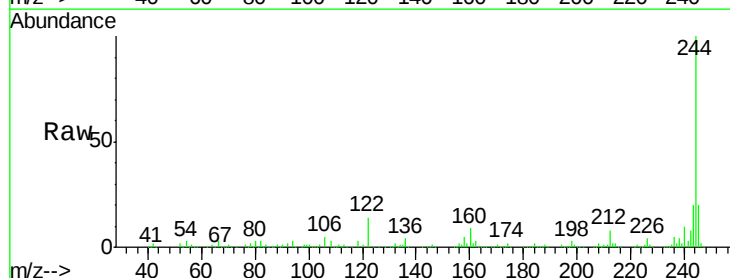
Tgt Ion:184 Resp: 6206

Ion Ratio Lower Upper

184 100

185 17.3 13.5 20.3

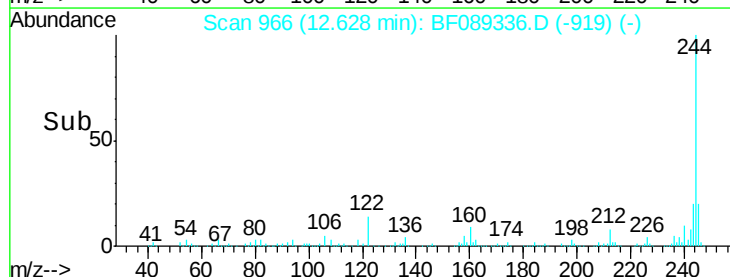
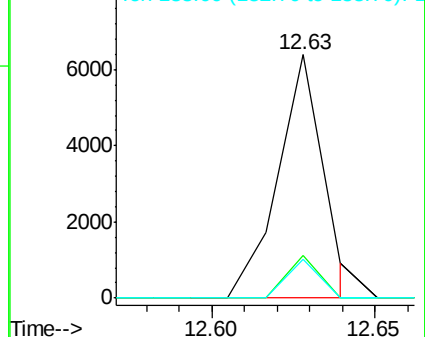
183 16.2 9.8 14.6#

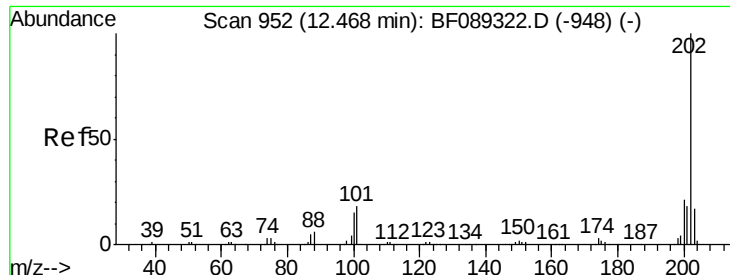


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

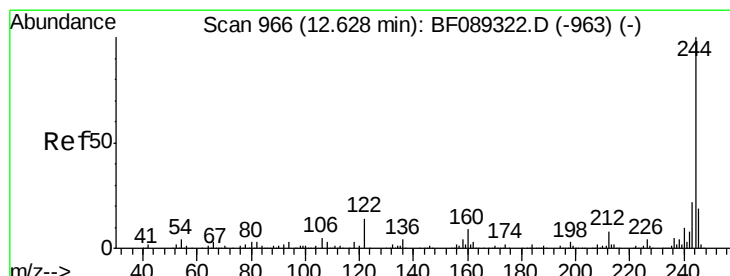
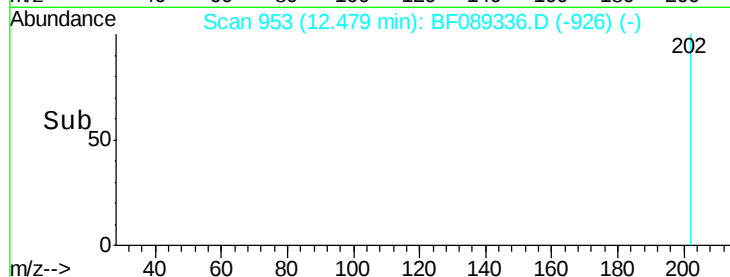
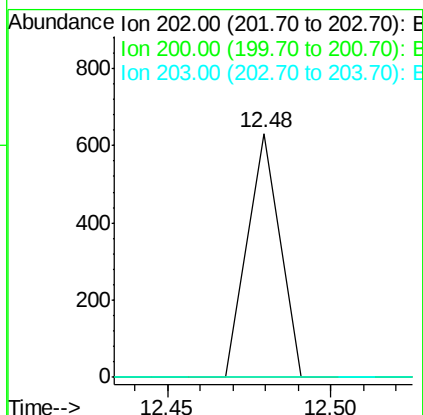
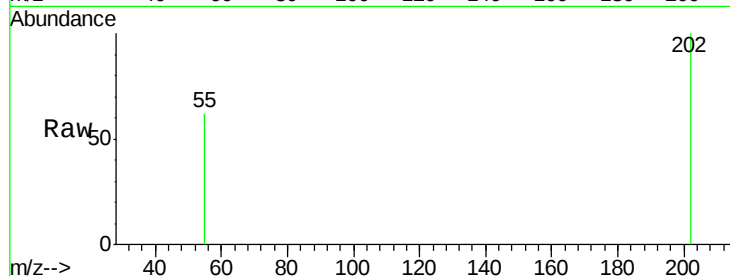




#77
 Pyrene
 Concen: 0.05 ng
 RT: 12.48 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

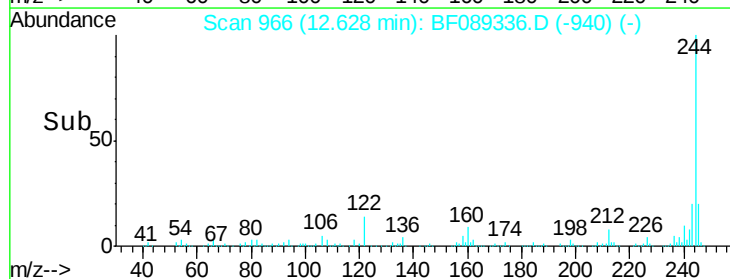
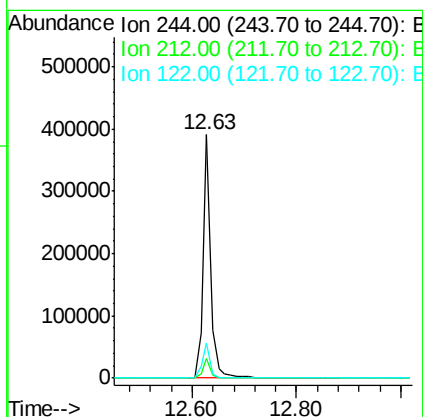
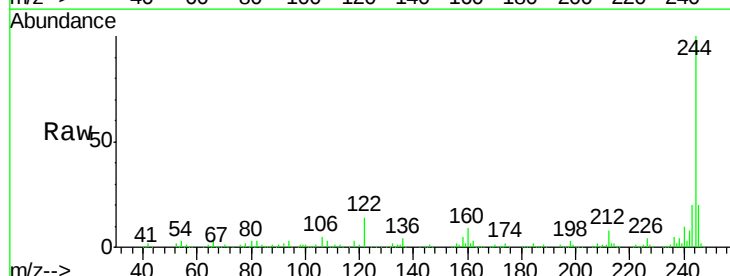
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46C

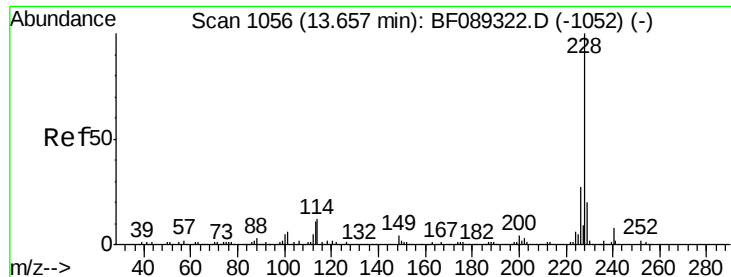
Tgt Ion: 202 Resp: 433
 Ion Ratio Lower Upper
 202 100
 200 0.0 16.9 25.3#
 203 0.0 14.0 21.0#



#78
 Terphenyl-d14
 Concen: 74.11 ng
 RT: 12.63 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF089336.D
 Acq: 27 Jul 2016 18:49

Tgt Ion: 244 Resp: 400527
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 14.4 11.4 17.0





#80

Benzo(a)anthracene

Concen: 0.11 ng

RT: 13.66 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

Instrument :

BNA_F

ClientSampleId :

LOCATION-46C

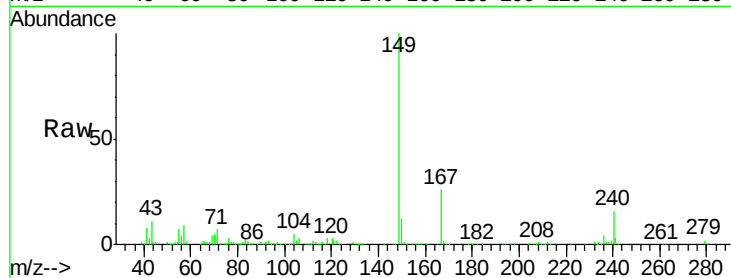
Tgt Ion:228 Resp: 805

Ion Ratio Lower Upper

228 100

226 0.0 21.4 32.2#

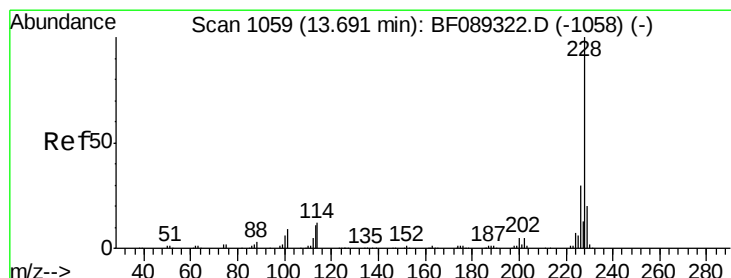
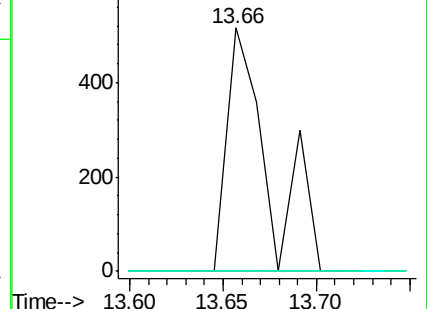
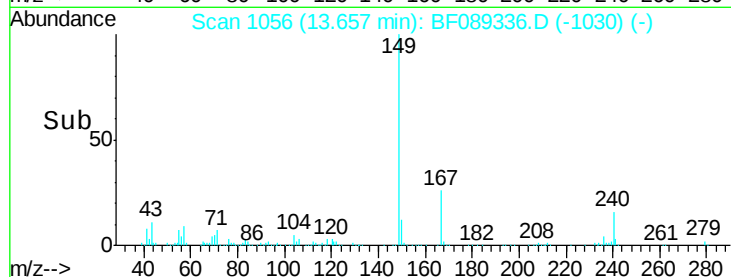
229 0.0 15.9 23.9#



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



#82

Chrysene

Concen: 0.11 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF089336.D

Acq: 27 Jul 2016 18:49

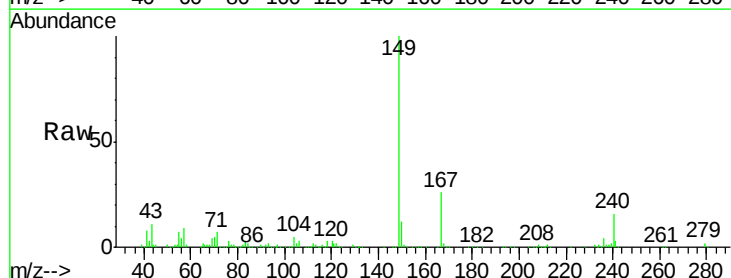
Tgt Ion:228 Resp: 805

Ion Ratio Lower Upper

228 100

226 0.0 24.2 36.2#

229 0.0 15.9 23.9#



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

