

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081916\
 Data File : BF089806.D
 Acq On : 19 Aug 2016 20:00
 Operator : UM/SJ
 Sample : H4507-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Quant Time: Aug 22 01:18:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	525148	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	1876418	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	857810	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1301397	20.00	ng	0.00
75) Chrysene-d12	13.84	240	947067	20.00	ng	-0.03
86) Perylene-d12	15.30	264	1089314	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	988419	32.28	ng	0.00
7) Phenol-d6	6.31	99	717134	19.08	ng	-0.01
23) Nitrobenzene-d5	7.24	82	2166215	71.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	583618	71.59	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	4064142	83.27	ng	0.00
78) Terphenyl-d14	12.78	244	2014282	48.12	ng	-0.01

Target Compounds

						Qvalue
3) Pyridine	2.76	79	238	0.01	ng	# 1
4) n-Nitrosodimethylamine	2.71	42	3203	0.22	ng	# 1
6) Aniline	6.32	93	2484	0.05	ng	# 1
8) 2-Chlorophenol	6.46	128	604	0.02	ng	# 1
9) Benzaldehyde	6.22	77	2088	0.09	ng	88
10) Phenol	6.32	94	64820	1.47	ng	88
11) bis(2-Chloroethyl)ether	6.44	93	2780	0.08	ng	# 1
12) 1,3-Dichlorobenzene	6.84	146	217	0.01	ng	# 1
13) 1,4-Dichlorobenzene	6.84	146	217	0.01	ng	# 1
14) 1,2-Dichlorobenzene	6.84	146	217	0.01	ng	# 1
15) Benzyl Alcohol	6.83	79	42968	1.72	ng	# 53
16) 2,2'-oxybis(1-Chloropropan	7.12	45	123966	2.84	ng	83
17) 2-Methylphenol	7.10	107	238439	8.31	ng	# 69
18) Hexachloroethane	7.27	117	684	0.05	ng	# 2
19) n-Nitroso-di-n-propylamine	7.24	70	284746	11.84	ng	# 75
20) 3+4-Methylphenols	7.10	107	240258	6.83	ng	# 45
22) Acetophenone	7.10	105	11735	0.27	ng	# 1
24) Nitrobenzene	7.24	77	9739	0.29	ng	# 42
25) Isophorone	7.24	82	1970457	32.35	ng	# 67
26) 2-Nitrophenol	7.42	139	308	0.02	ng	# 1
27) 2,4-Dimethylphenol	7.77	122	901428	29.58	ng	# 7
28) bis(2-Chloroethoxy)methane	7.77	93	8215	0.22	ng	# 1
29) 2,4-Dichlorophenol	7.83	162	4374	0.17	ng	88
31) Naphthalene	7.99	128	2428	0.03	ng	# 72
32) Benzoic acid	7.77	122	908167	38.25	ng	97
33) 4-Chloroaniline	8.02	127	1392	0.04	ng	# 1
35) Caprolactam	8.40	113	4220	0.54	ng	# 58
36) 4-Chloro-3-methylphenol	8.55	107	3376	0.12	ng	# 16
37) 2-Methylnaphthalene	8.67	142	549	0.01	ng	# 42
42) 2,4,6-Trichlorophenol	8.96	196	1503	0.09	ng	# 78
43) 2,4,5-Trichlorophenol	8.96	196	1503	0.09	ng	# 1
45) 1,1'-Biphenyl	9.14	154	1328	0.02	ng	79
46) 2-Chloronaphthalene	9.23	162	90333	1.72	ng	# 40
47) 2-Nitroaniline	9.32	65	934	0.06	ng	# 49

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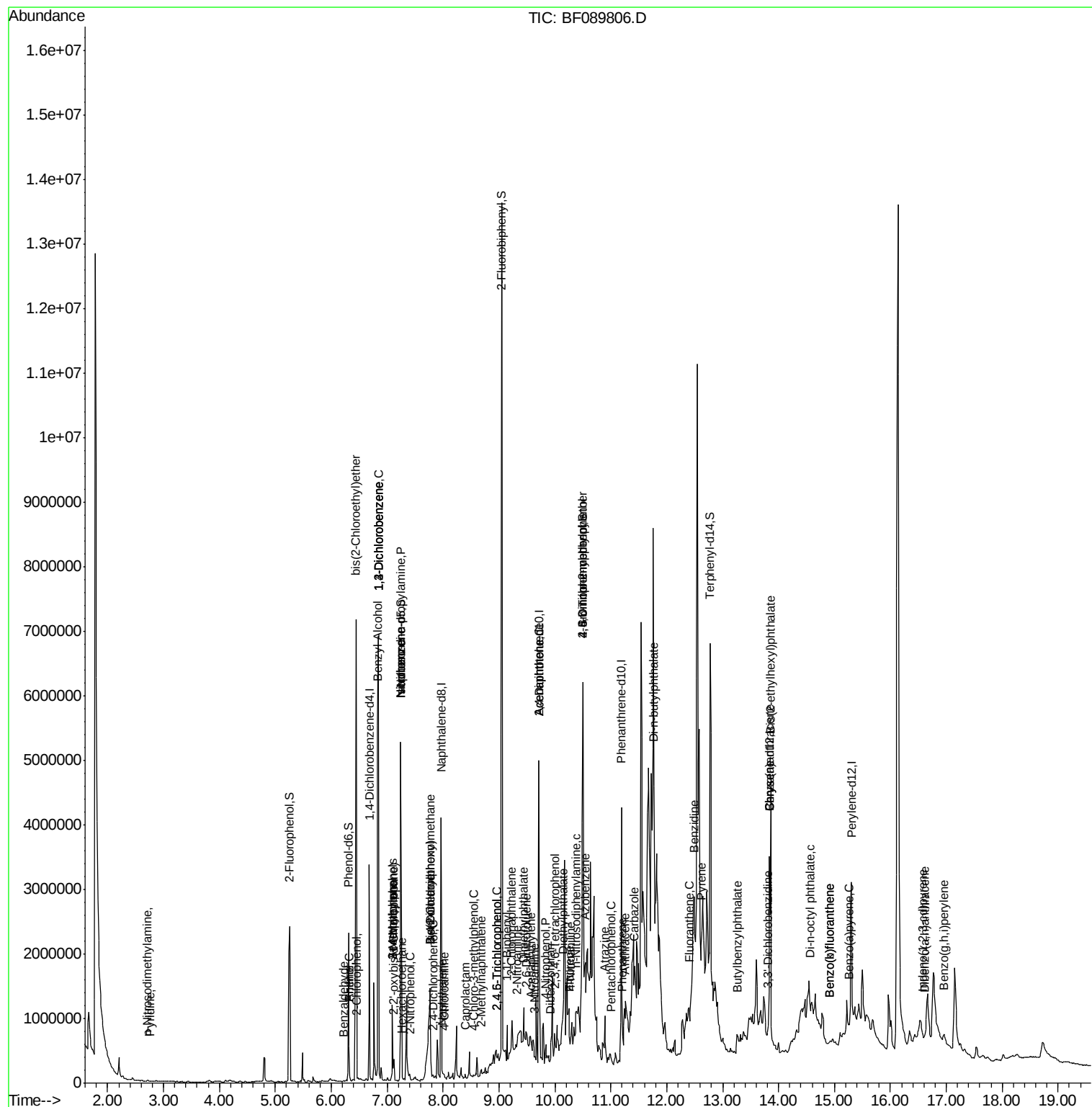
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Acenaphthylene	9.58	152	1710	0.02	ng	# 1
49) Dimethylphthalate	9.44	163	194232	3.22	ng	99
50) 2,6-Dinitrotoluene	9.48	165	16276	1.17	ng	# 32
51) Acenaphthene	9.71	154	5373	0.10	ng	# 45
52) 3-Nitroaniline	9.63	138	1633	0.11	ng	# 18
54) Dibenzofuran	9.92	168	2191	0.03	ng	# 1
55) 4-Nitrophenol	9.84	139	65083	5.16	ng	99
56) 2,4-Dinitrotoluene	9.71	165	114495	6.33	ng	# 35
57) Fluorene	10.26	166	2901	0.06	ng	# 93
58) 2,3,4,6-Tetrachlorophenol	10.00	232	211	0.02	ng	# 1
59) Diethylphthalate	10.15	149	41258	0.67	ng	97
61) 4-Nitroaniline	10.28	138	4515	0.31	ng	# 41
62) Azobenzene	10.54	77	1817	0.03	ng	# 78
64) 4,6-Dinitro-2-methylphenol	10.50	198	1321	0.18	ng	# 1
65) n-Nitrosodiphenylamine	10.38	169	3258	0.08	ng	# 63
66) 4-Bromophenyl-phenylether	10.50	248	36286	2.66	ng	# 1
68) Atrazine	10.89	200	361	0.03	ng	# 20
69) Pentachlorophenol	11.01	266	772	0.09	ng	91
70) Phenanthrene	11.21	178	9108	0.14	ng	# 90
71) Anthracene	11.26	178	1199	0.02	ng	# 8
72) Carbazole	11.42	167	8757	0.15	ng	# 1
73) Di-n-butylphthalate	11.77	149	45103	0.60	ng	# 93
74) Fluoranthene	12.40	202	4796	0.08	ng	# 1
76) Benzidine	12.49	184	1125	0.04	ng	# 1
77) Pyrene	12.62	202	3589	0.05	ng	# 56
79) Butylbenzylphthalate	13.27	149	4536	0.13	ng	# 45
80) Benzo(a)anthracene	13.84	228	5217	0.10	ng	# 71
81) 3,3'-Dichlorobenzidine	13.81	252	1571	0.09	ng	# 1
82) Chrysene	13.84	228	5090	0.11	ng	# 69
83) Bis(2-ethylhexyl)phthalate	13.86	149	1306989	27.24	ng	99
84) Di-n-octyl phthalate	14.56	149	19357	0.30	ng	# 66
85) Indeno(1,2,3-cd)pyrene	16.58	276	1125	0.02	ng	# 46
87) Benzo(b)fluoranthene	14.91	252	2849	0.05	ng	# 1
88) Benzo(k)fluoranthene	14.91	252	2849	0.05	ng	# 1
89) Benzo(a)pyrene	15.26	252	791	0.01	ng	# 1
90) Dibenzo(a,h)anthracene	16.61	278	1641	0.03	ng	# 1
91) Benzo(g,h,i)perylene	16.96	276	1243	0.02	ng	# 1

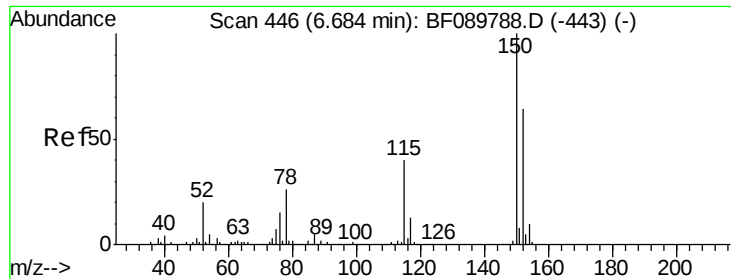
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

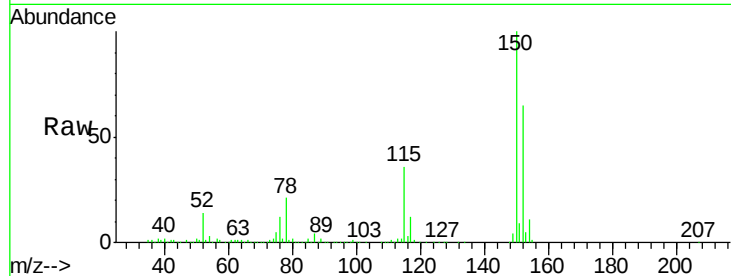
Tgt Ion:152 Resp: 525148

Ion Ratio Lower Upper

152 100

150 154.4 125.3 187.9

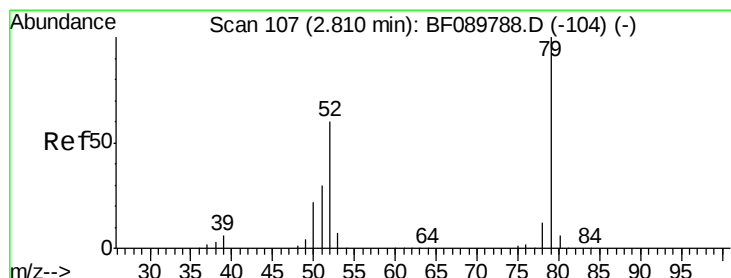
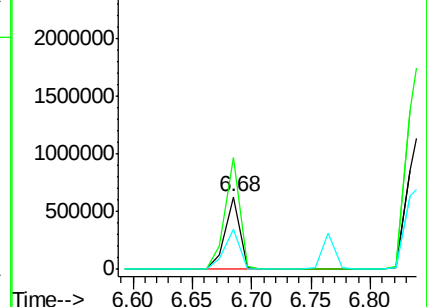
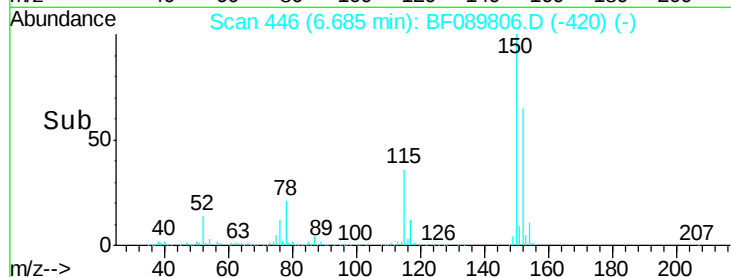
115 55.0 40.9 61.3



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



#3

Pyridine

Concen: 0.01 ng

RT: 2.76 min Scan# 103

Delta R.T. -0.05 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

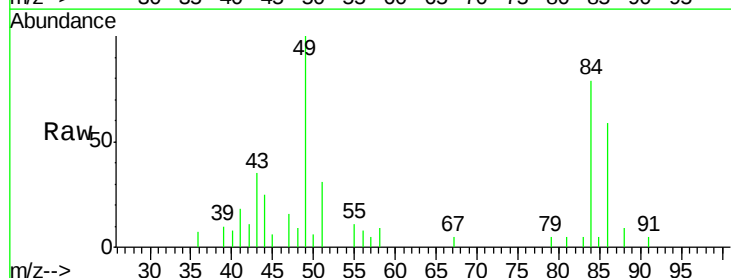
Tgt Ion: 79 Resp: 238

Ion Ratio Lower Upper

79 100

52 0.0 53.6 80.4#

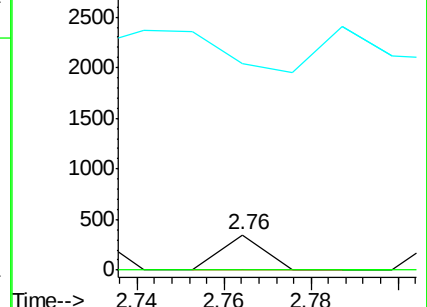
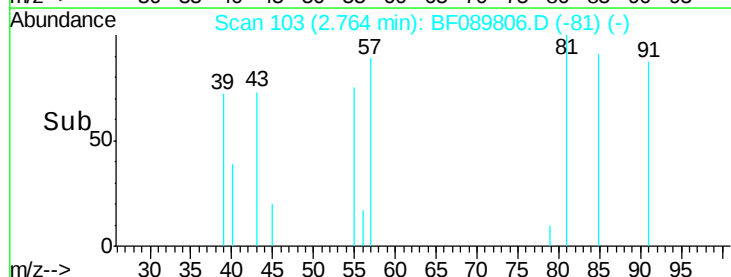
51 587.3 26.6 39.8#

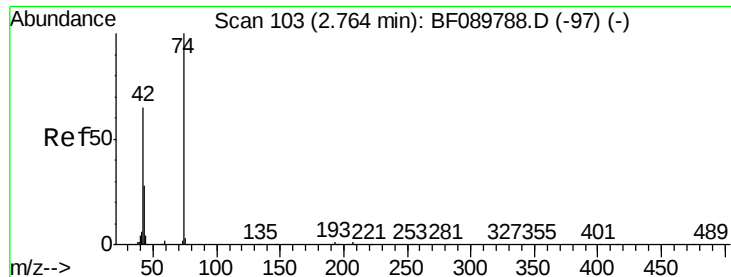


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.22 ng

RT: 2.71 min Scan# 98

Delta R.T. -0.06 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

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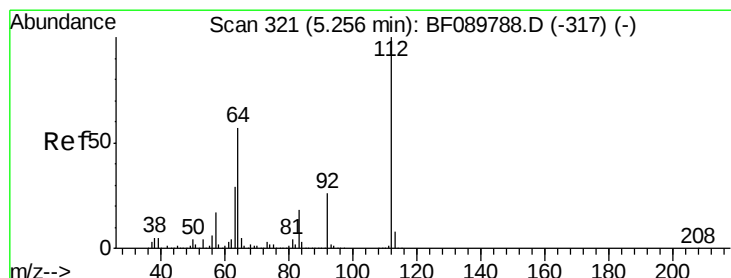
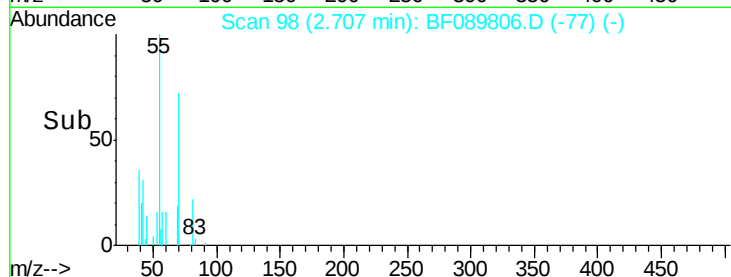
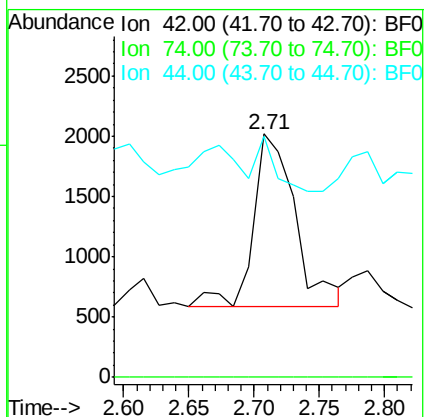
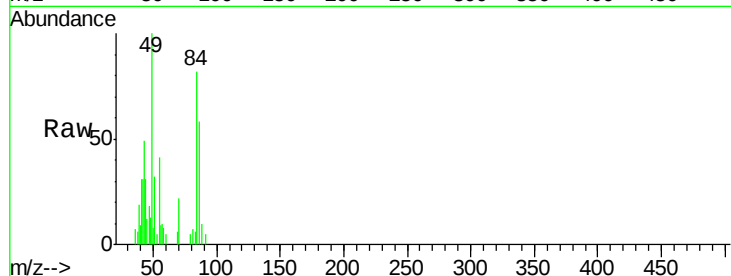
Tgt Ion: 42 Resp: 3203

Ion Ratio Lower Upper

42 100

74 0.0 106.2 159.2#

44 99.2 6.9 10.3#



#5

2-Fluorophenol

Concen: 32.28 ng

RT: 5.26 min Scan# 321

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

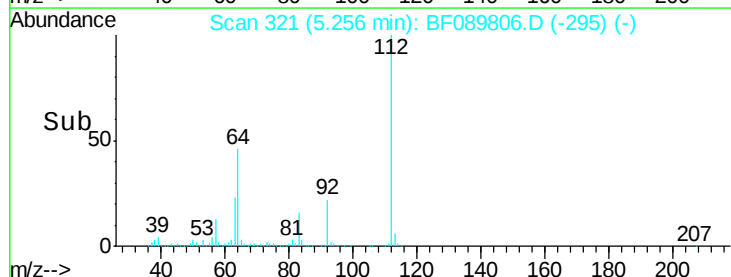
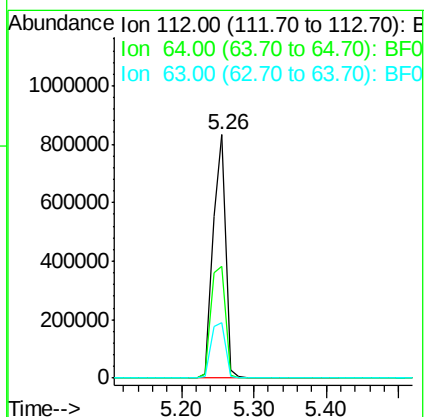
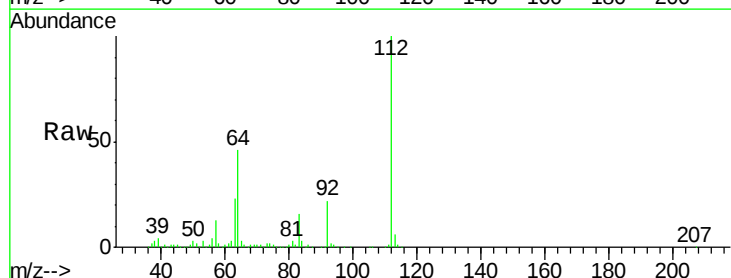
Tgt Ion: 112 Resp: 988419

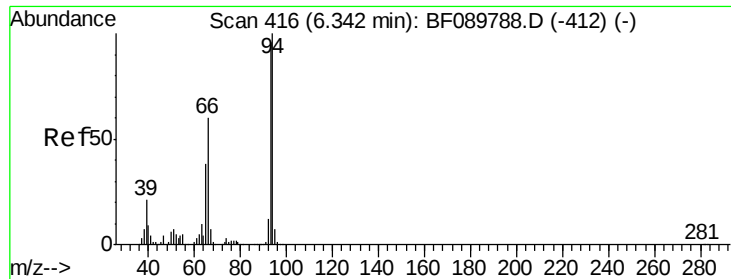
Ion Ratio Lower Upper

112 100

64 45.7 45.0 67.4

63 22.8 23.1 34.7#





#6

Aniline

Concen: 0.05 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampled :

MANHOLE

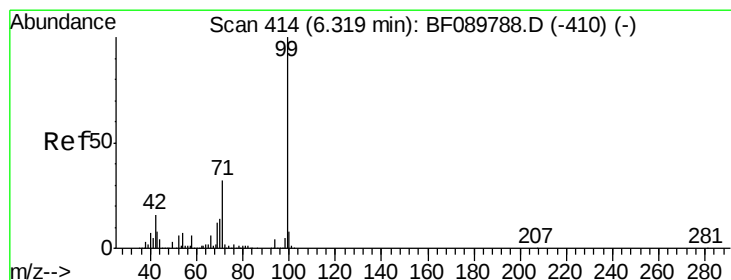
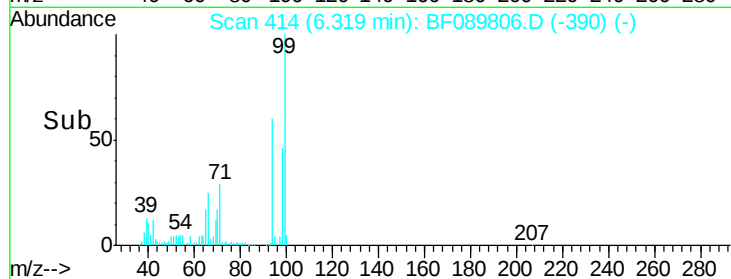
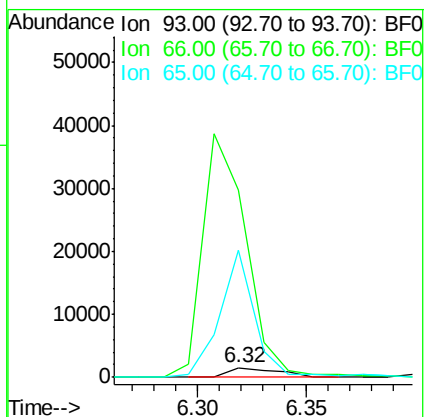
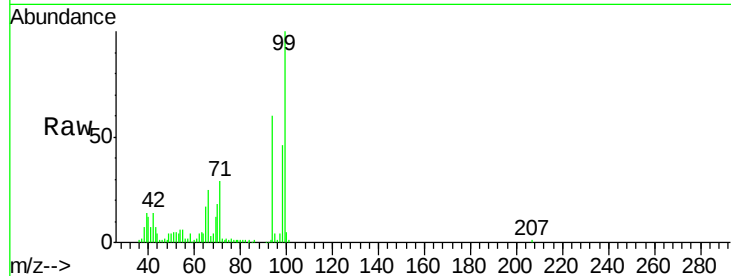
Tgt Ion: 93 Resp: 2484

Ion Ratio Lower Upper

93 100

66 1876.1 30.6 46.0#

65 1276.9 15.4 23.2#



#7

Phenol-d6

Concen: 19.08 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

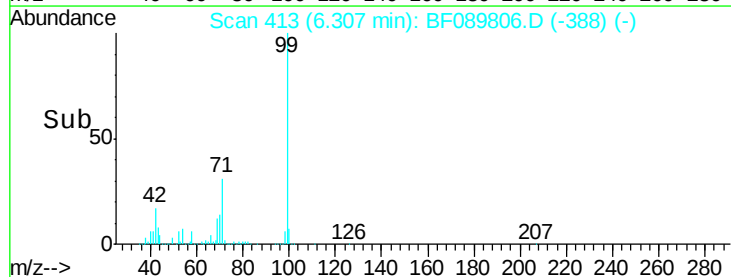
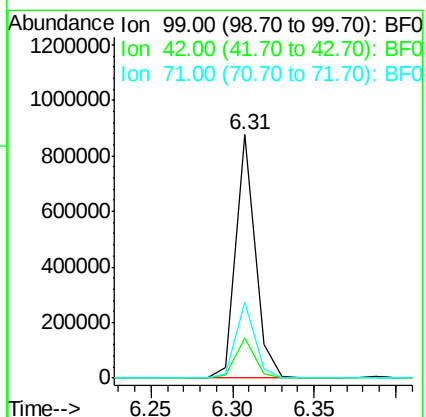
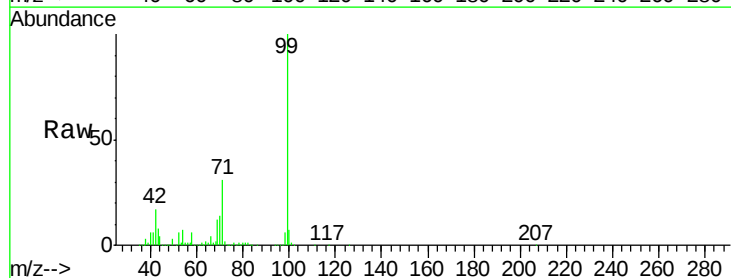
Tgt Ion: 99 Resp: 717134

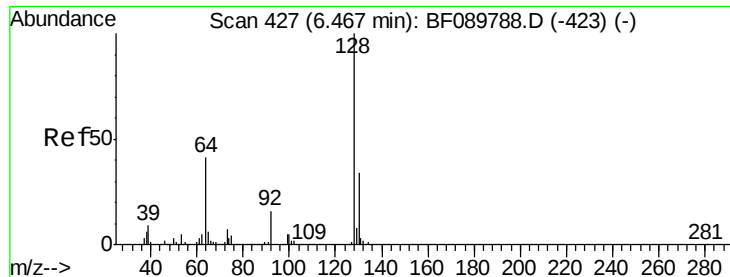
Ion Ratio Lower Upper

99 100

42 16.7 12.2 18.4

71 31.4 23.8 35.8





#8

2-Chlorophenol

Concen: 0.02 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

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ClientSampleId :

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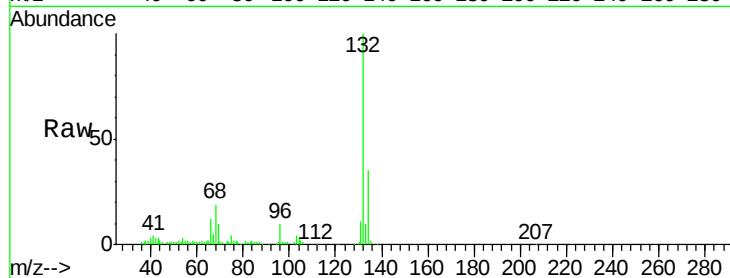
Tgt Ion:128 Resp: 604

Ion Ratio Lower Upper

128 100

130 107.8 12.0 52.0#

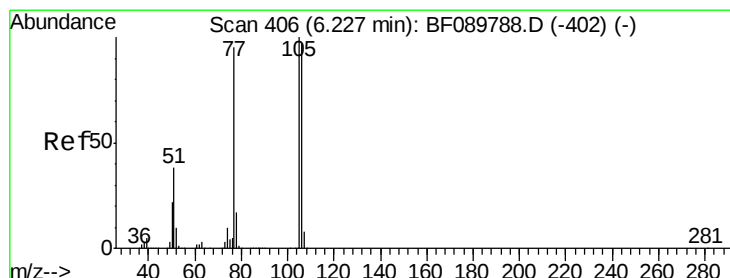
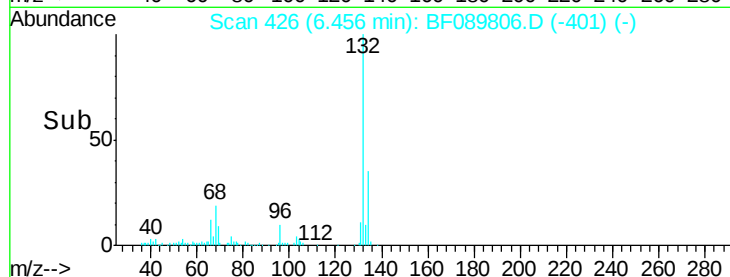
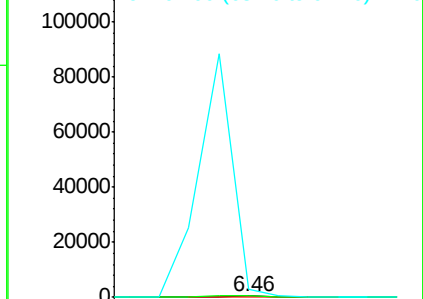
64 489.6 35.1 75.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 0.09 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

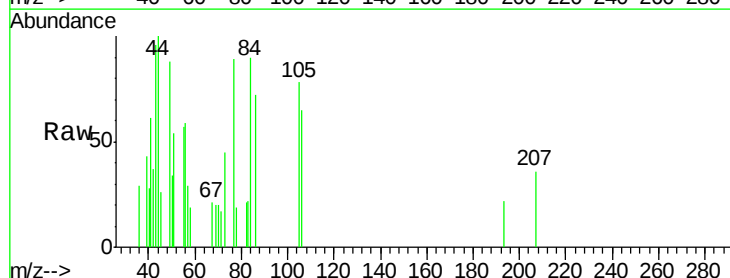
Tgt Ion: 77 Resp: 2088

Ion Ratio Lower Upper

77 100

105 87.0 73.3 113.3

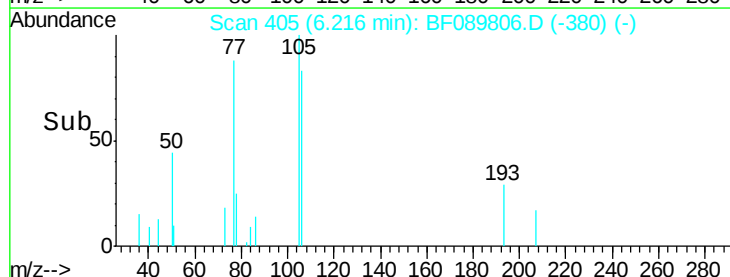
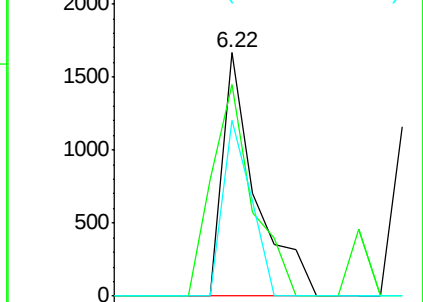
106 72.2 68.6 108.6

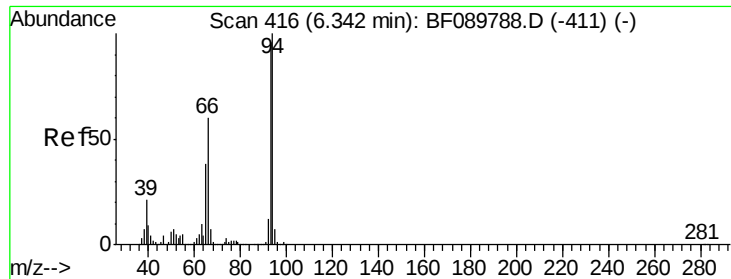


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.47 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

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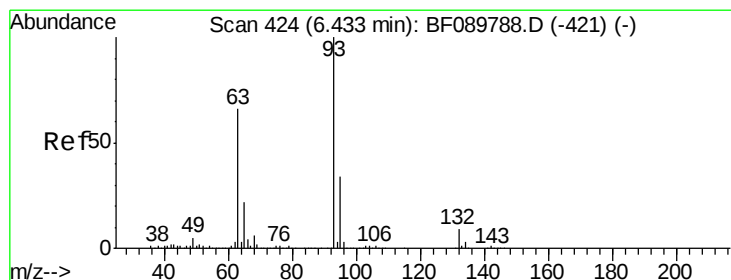
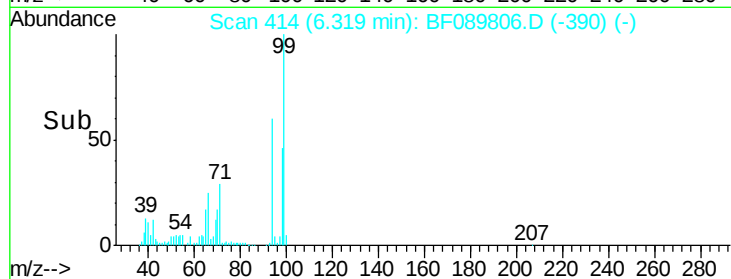
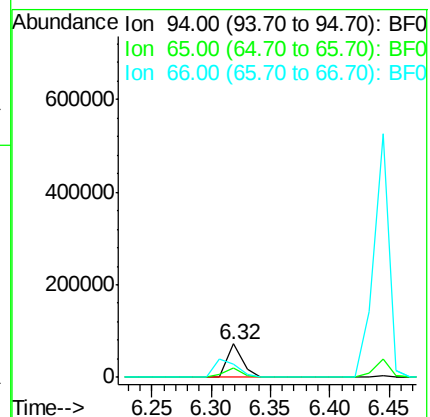
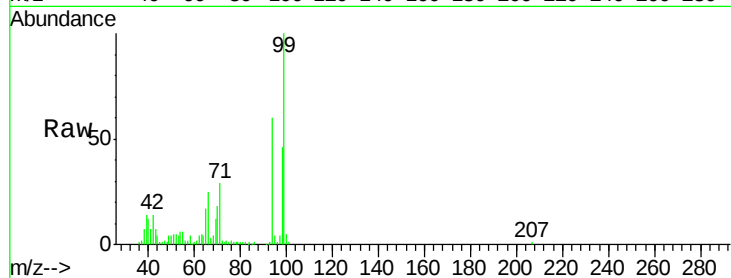
Tgt Ion: 94 Resp: 64820

Ion Ratio Lower Upper

94 100

65 28.2 14.0 54.0

66 41.5 31.2 71.2



#11

bis(2-Chloroethyl)ether

Concen: 0.08 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

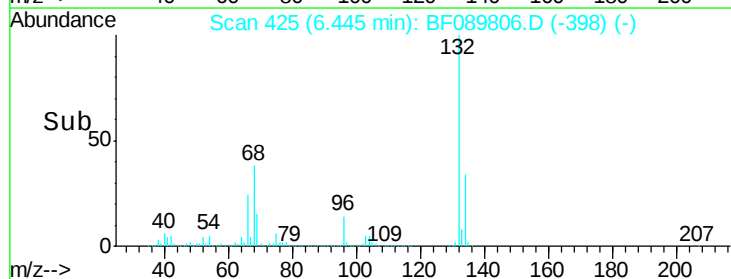
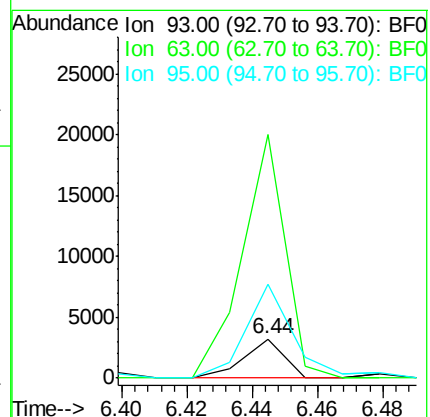
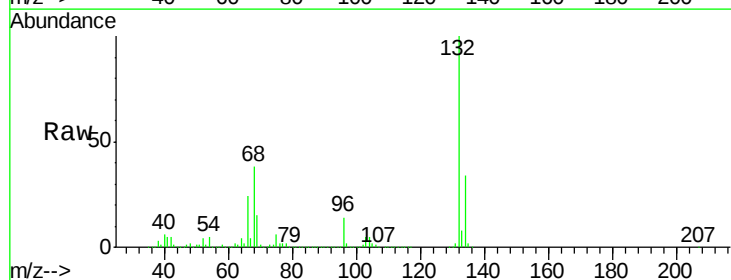
Tgt Ion: 93 Resp: 2780

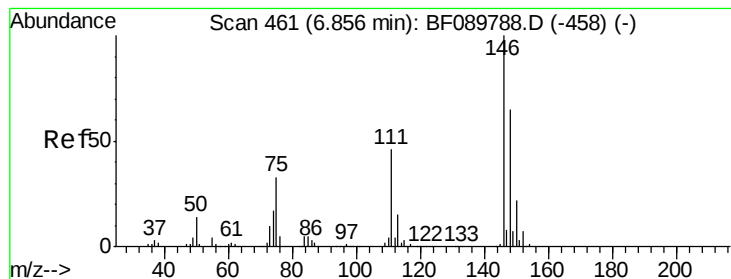
Ion Ratio Lower Upper

93 100

63 617.5 55.8 95.8#

95 237.7 13.0 53.0#





#12

1,3-Dichlorobenzene

Concen: 0.01 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.22 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

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ClientSampleId :

MANHOLE

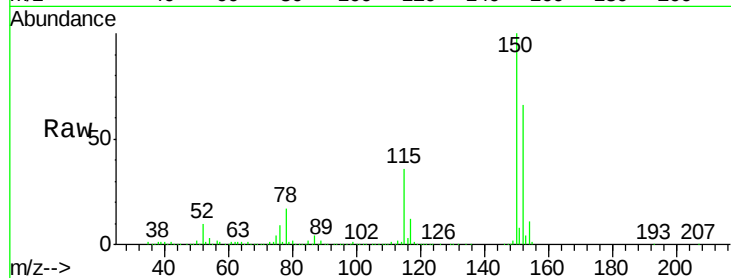
Tgt Ion:146 Resp: 217

Ion Ratio Lower Upper

146 100

148 1054.7 51.0 76.4#

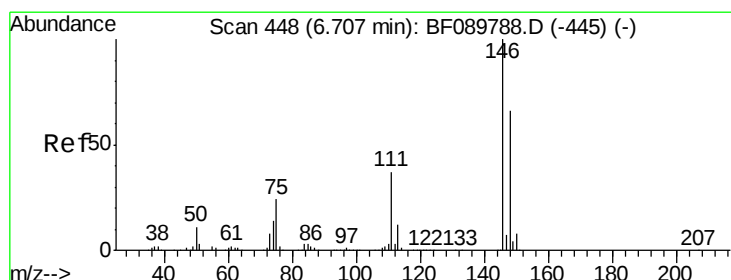
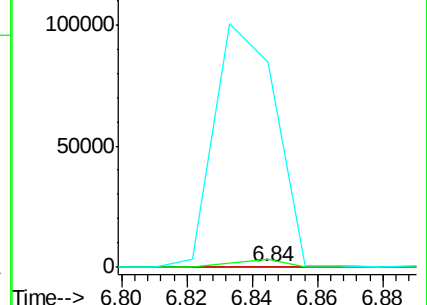
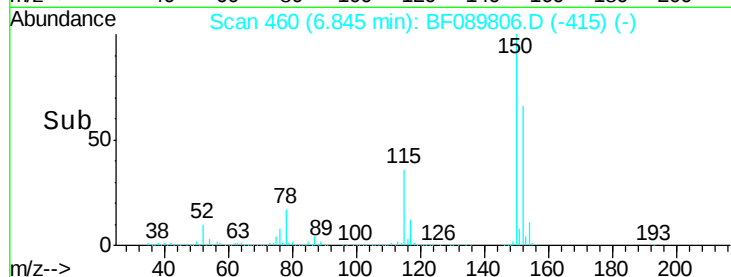
75 26762.0 27.0 40.6#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

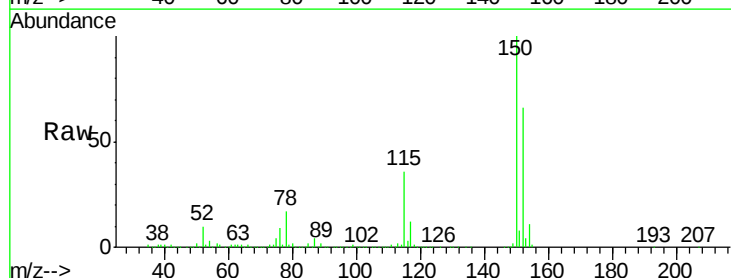
Tgt Ion:146 Resp: 217

Ion Ratio Lower Upper

146 100

148 1054.7 51.0 76.6#

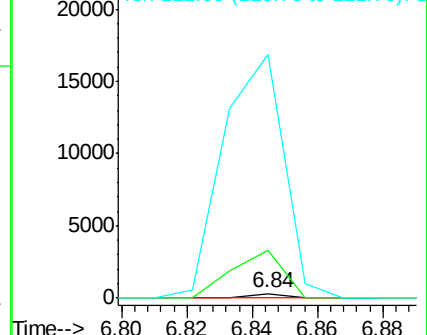
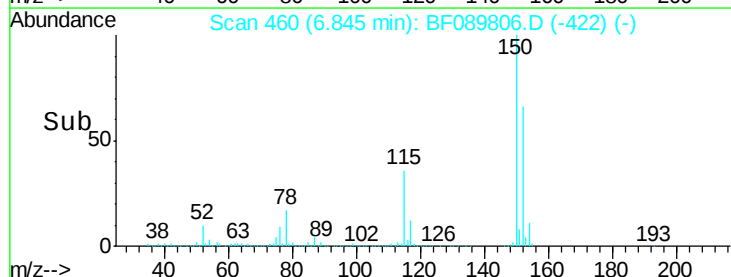
111 5331.6 34.6 52.0#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.01 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

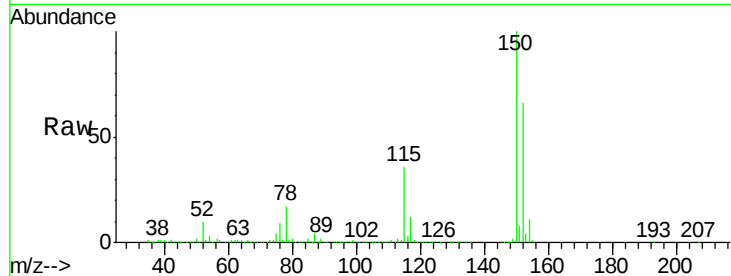
Tgt Ion:146 Resp: 217

Ion Ratio Lower Upper

146 100

148 1054.7 52.2 78.2#

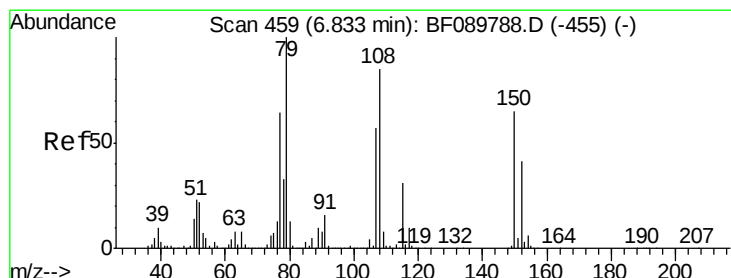
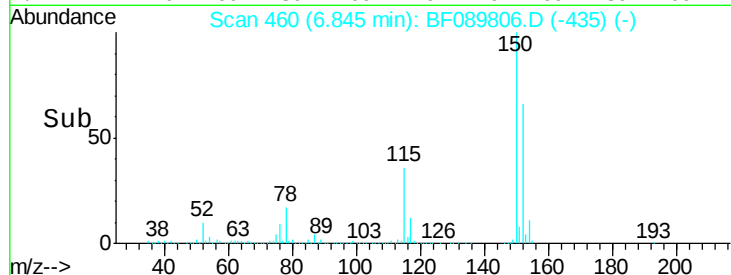
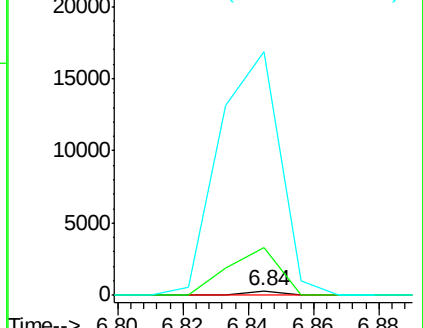
111 5331.6 29.8 44.6#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.72 ng

RT: 6.83 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

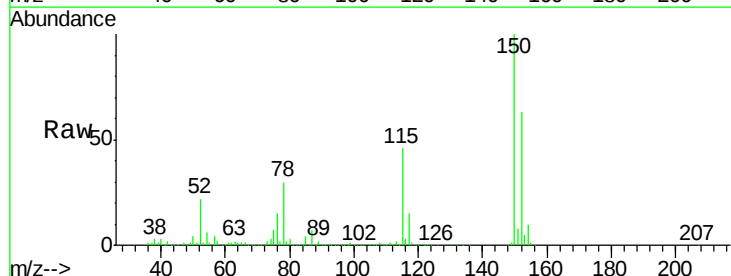
Tgt Ion: 79 Resp: 42968

Ion Ratio Lower Upper

79 100

108 30.9 62.5 93.7#

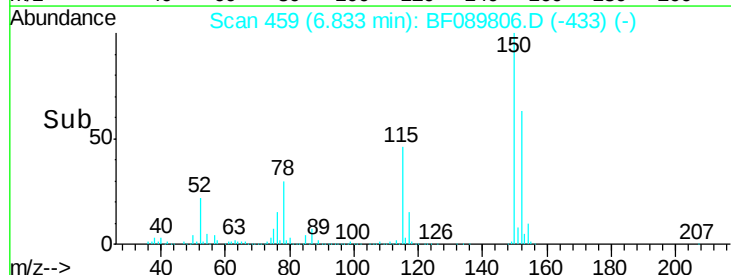
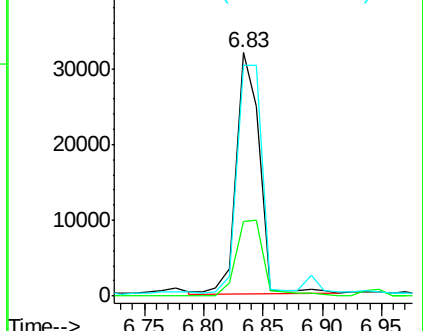
77 94.9 51.5 77.3#

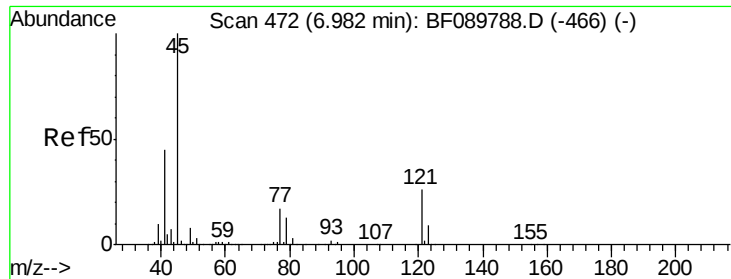


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

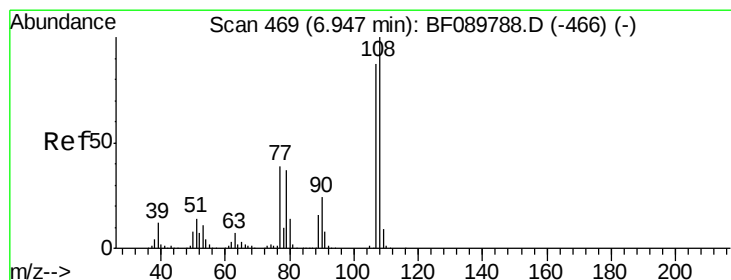
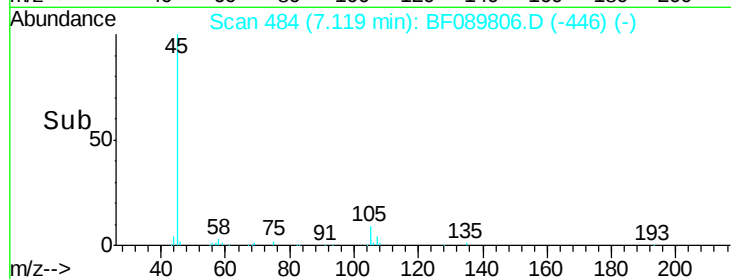
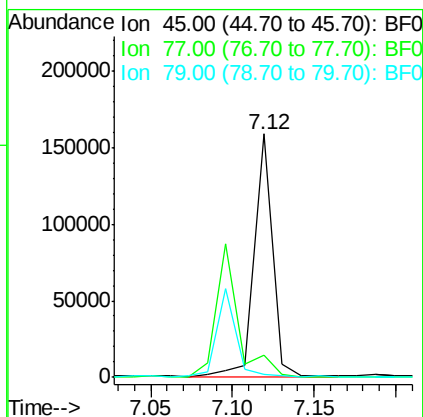
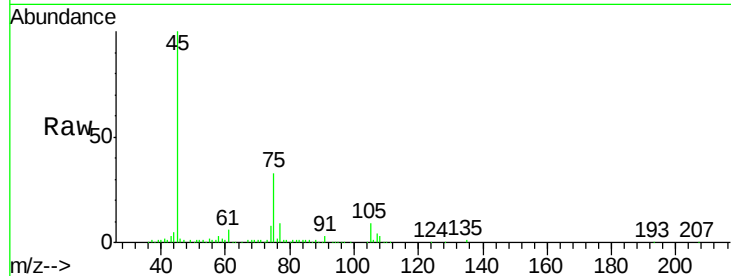




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 2.84 ng
 RT: 7.12 min Scan# 484
 Delta R.T. 0.14 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

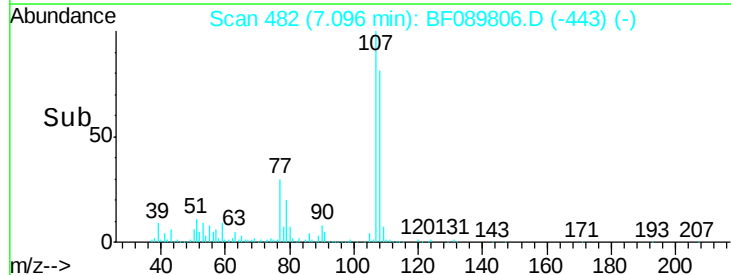
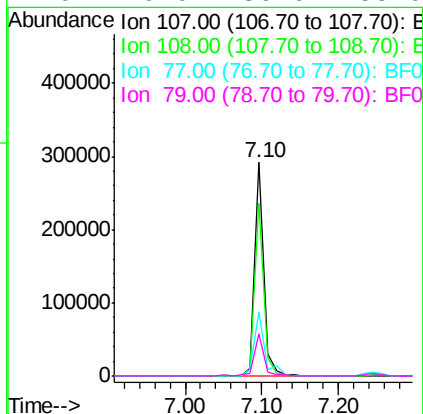
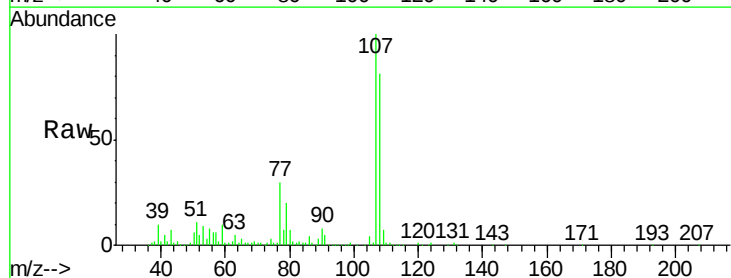
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

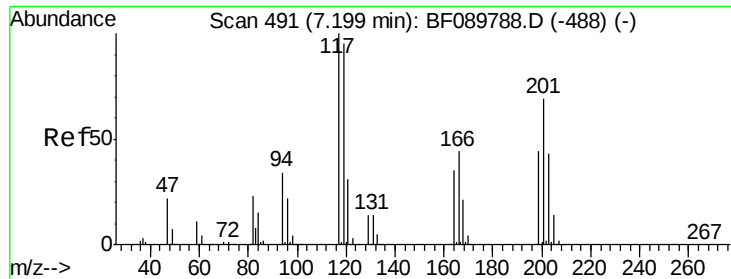
Tgt Ion:	45	Resp:	123966
Ion	Ratio	Lower	Upper
45	100		
77	9.3	0.0	33.5
79	1.0	0.0	30.7



#17
 2-Methylphenol
 Concen: 8.31 ng
 RT: 7.10 min Scan# 482
 Delta R.T. 0.15 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion:	107	Resp:	238439
Ion	Ratio	Lower	Upper
107	100		
108	80.7	91.0	136.4#
77	29.7	37.4	56.0#
79	20.0	36.6	55.0#





#18

Hexachloroethane

Concen: 0.05 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.07 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampled :

MANHOLE

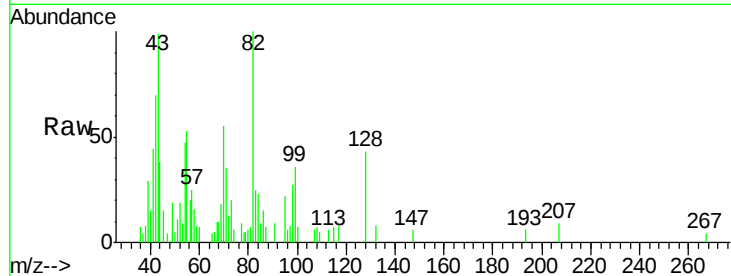
Tgt Ion: 117 Resp: 684

Ion Ratio Lower Upper

117 100

119 0.0 77.1 115.7#

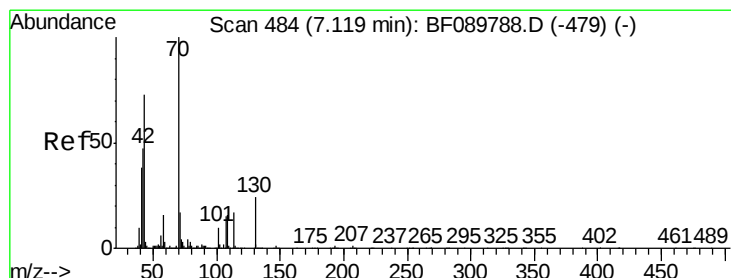
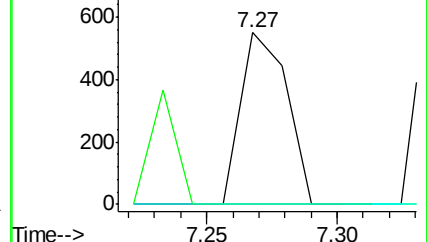
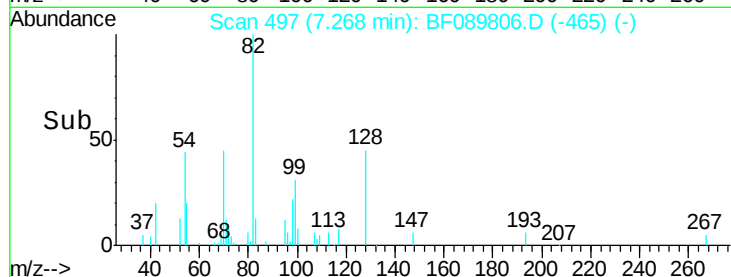
201 0.0 76.9 115.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 11.84 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.13 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Tgt Ion: 70 Resp: 284746

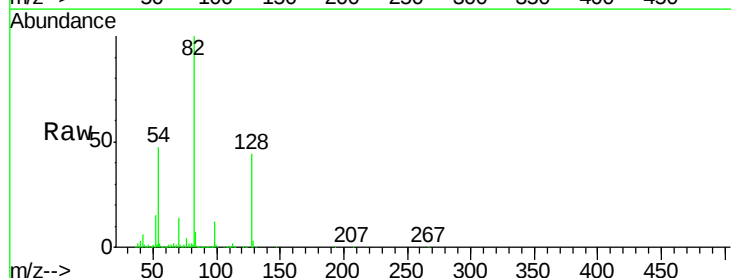
Ion Ratio Lower Upper

70 100

42 41.7 46.3 69.5#

101 0.0 7.0 10.6#

130 2.3 14.4 21.6#

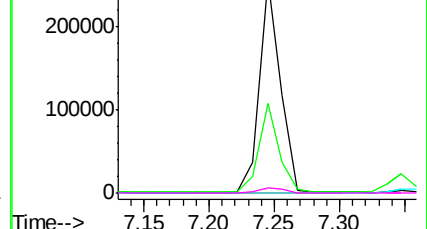
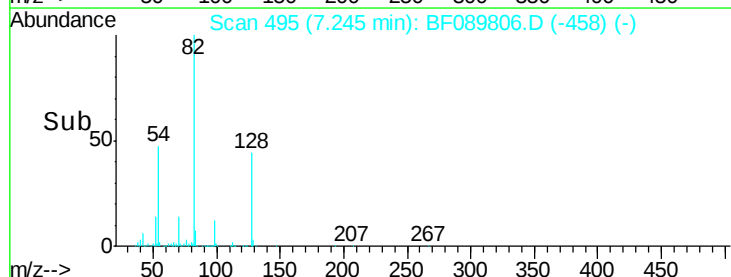


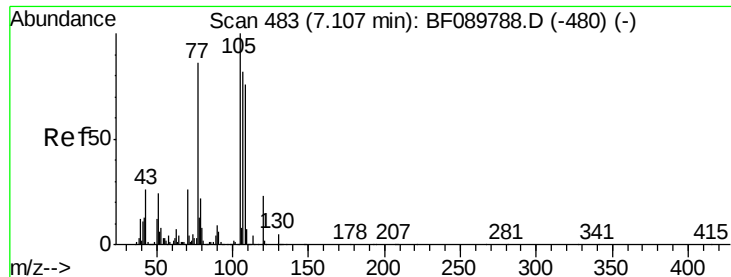
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

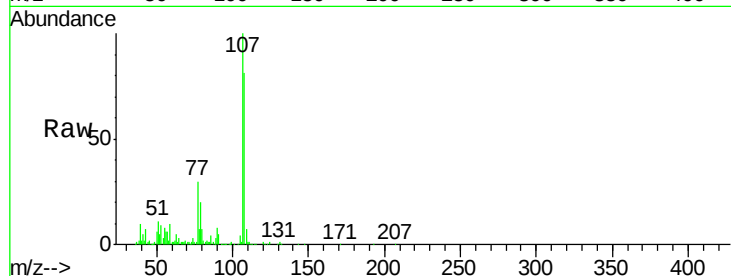




#20
3+4-Methylphenols
Concen: 6.83 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	240258		
108	80.7	68.2	108.2	
77	29.7	122.3	162.3	
79	20.0	8.2	48.2	



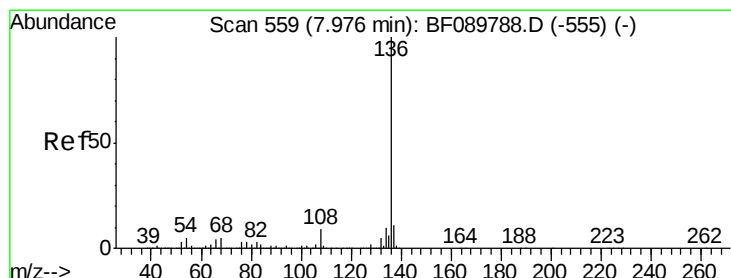
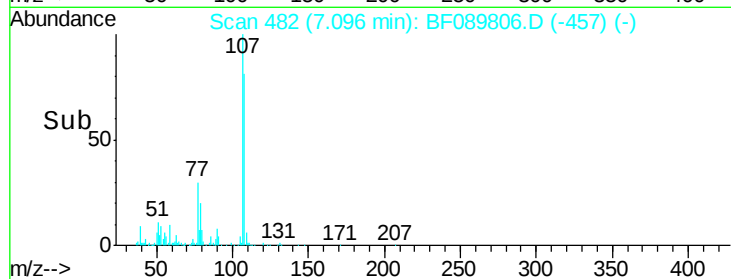
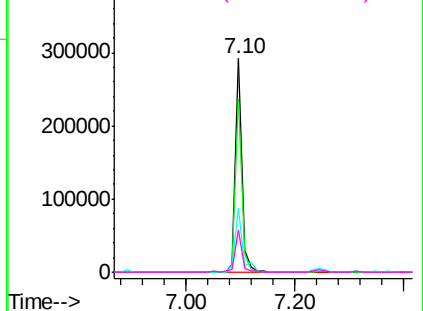
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

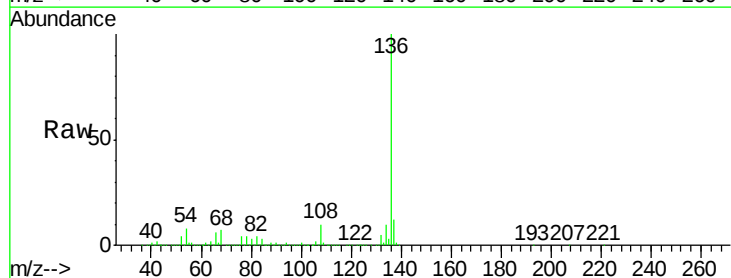
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	1876418		
137	11.7	9.2	13.8	
54	8.0	7.2	10.8	
68	7.2	5.8	8.8	



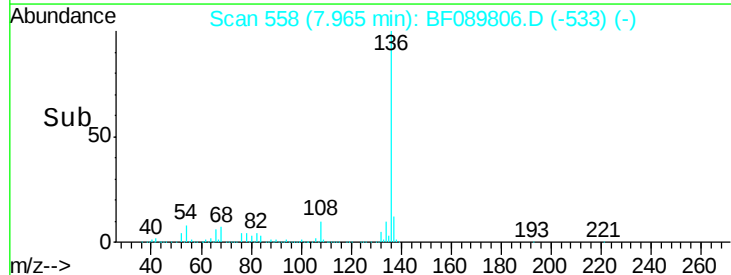
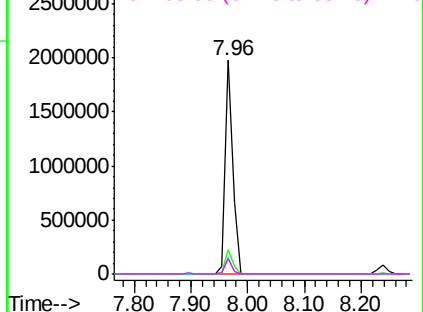
Abundance

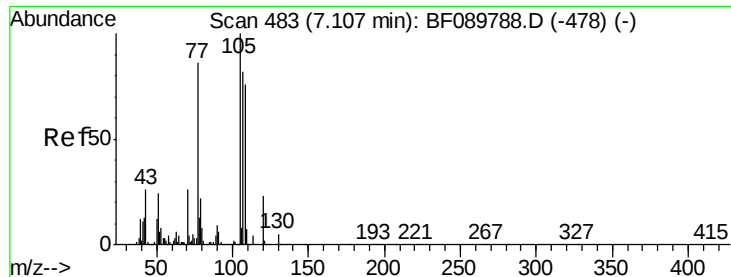
Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 0.27 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

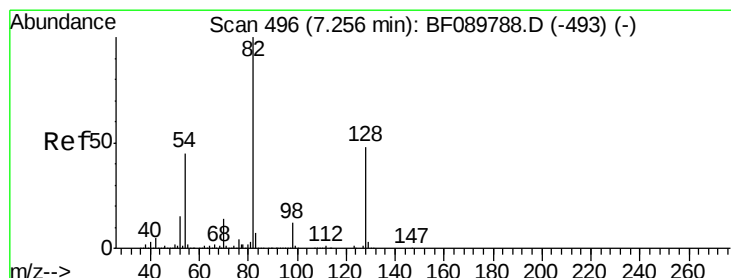
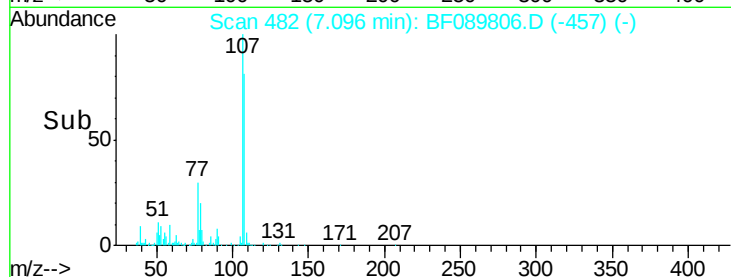
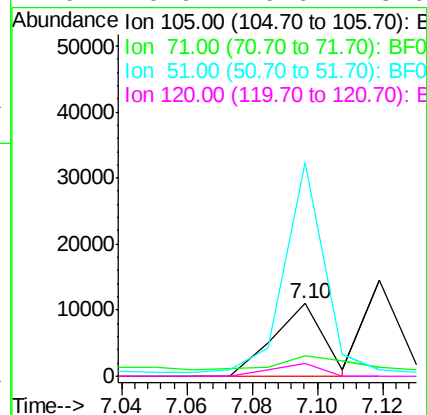
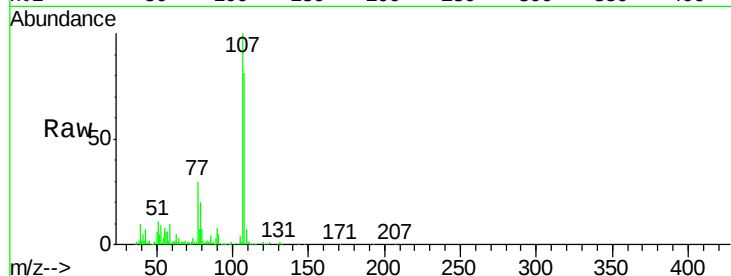
Instrument :

BNA_F

ClientSampleId :

MANHOLE

Tgt Ion:	105	Resp:	11735
Ion	Ratio	Lower	Upper
105	100		
71	28.7	1.9	2.9#
51	294.1	28.5	42.7#
120	16.9	16.6	25.0



#23

Nitrobenzene-d5

Concen: 71.72 ng

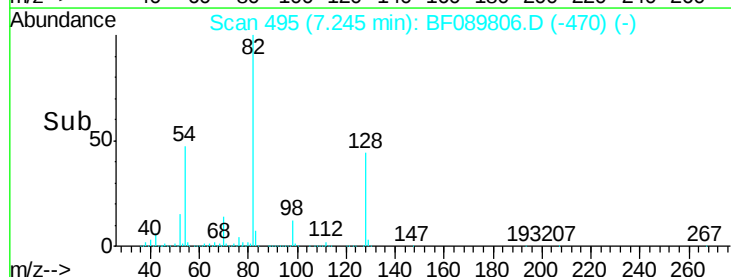
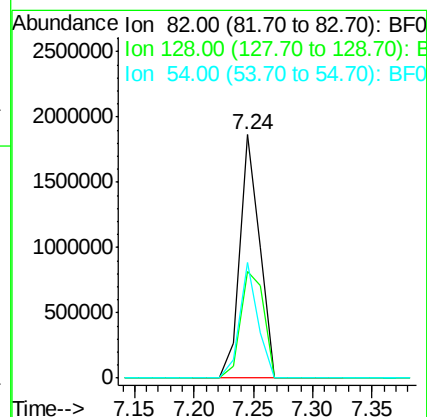
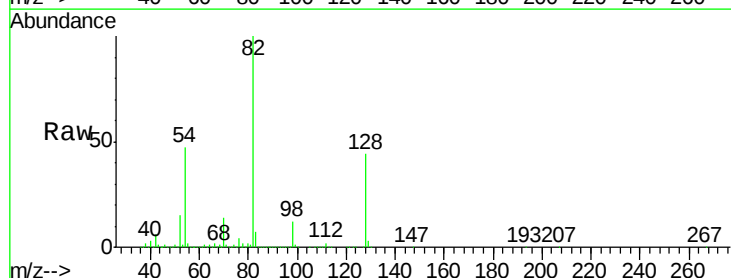
RT: 7.24 min Scan# 495

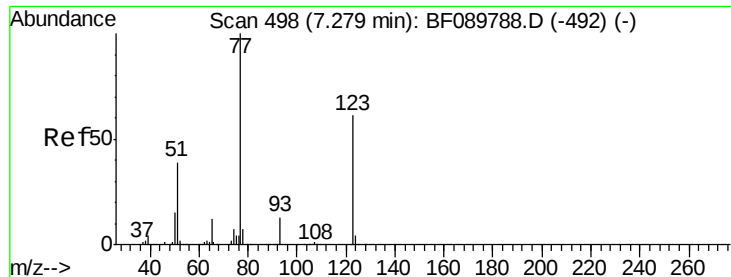
Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Tgt Ion:	82	Resp:	2166215
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.4	51.6
54	47.3	40.3	60.5





#24

Nitrobenzene

Concen: 0.29 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

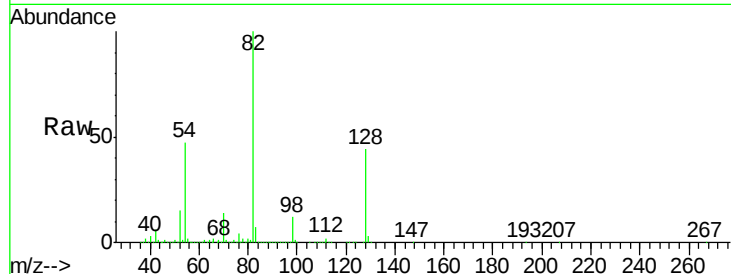
Tgt Ion: 77 Resp: 9739

Ion Ratio Lower Upper

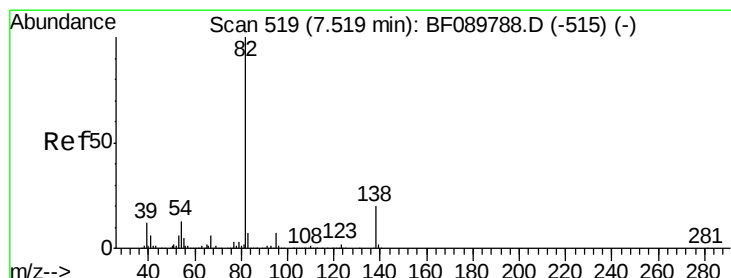
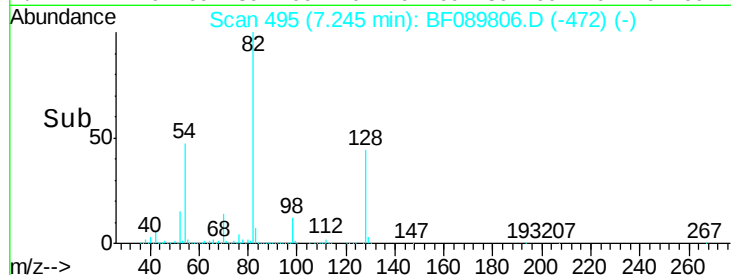
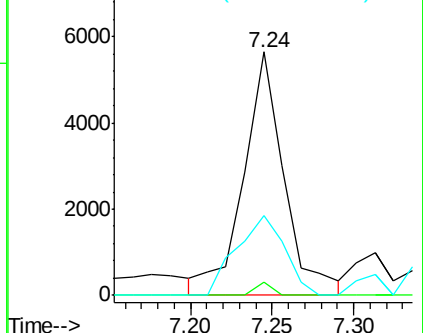
77 100

123 5.4 36.2 54.2#

65 32.8 10.6 15.8#



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



#25

Isophorone

Concen: 32.35 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.27 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

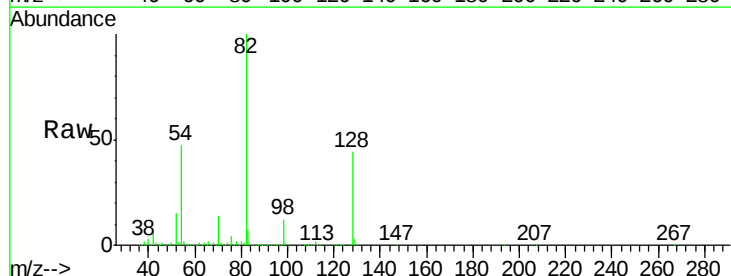
Tgt Ion: 82 Resp: 1970457

Ion Ratio Lower Upper

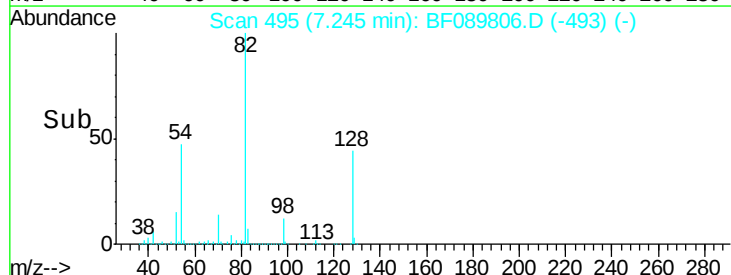
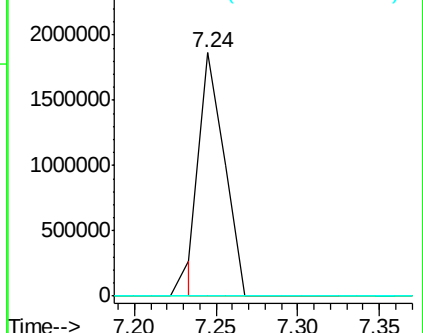
82 100

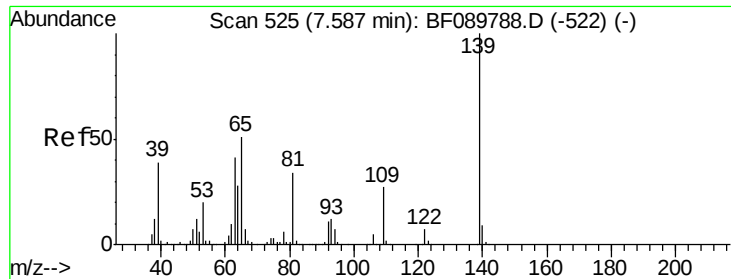
95 0.1 5.3 7.9#

138 0.0 13.0 19.4#



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

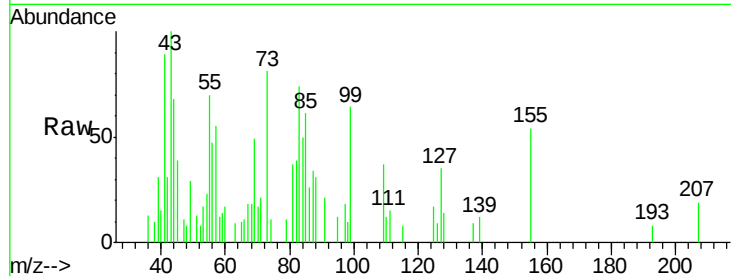




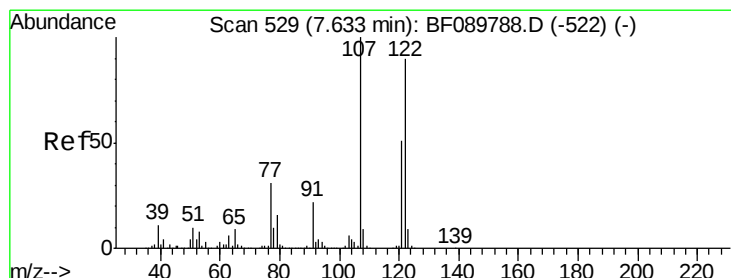
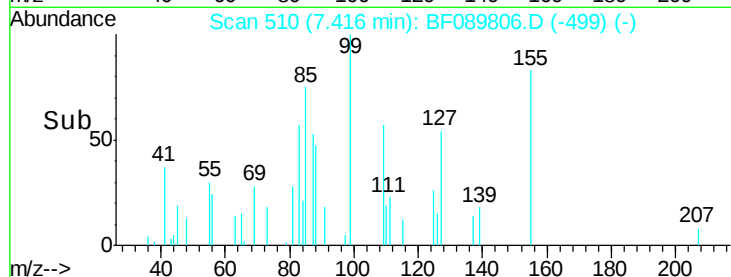
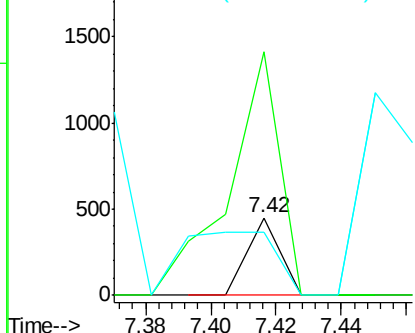
#26
 2-Nitrophenol
 Concen: 0.02 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.17 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Tgt Ion:139 Resp: 308
 Ion Ratio Lower Upper
 139 100
 109 314.5 19.5 29.3#
 65 82.2 26.5 39.7#

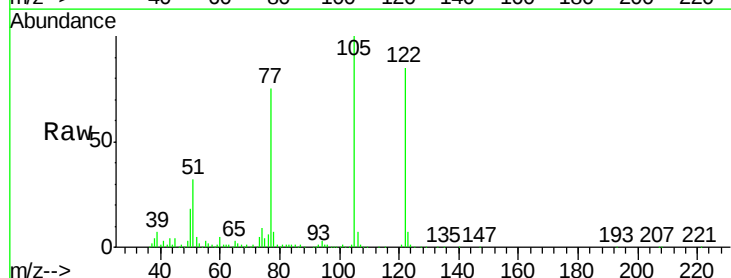


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

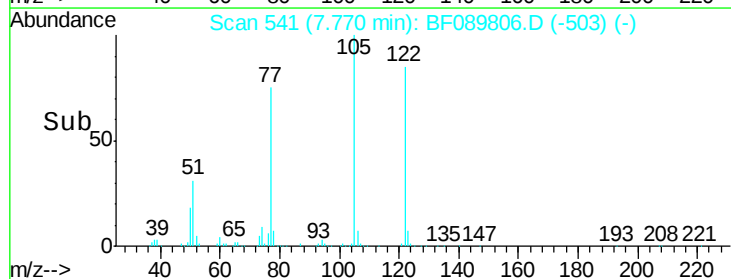
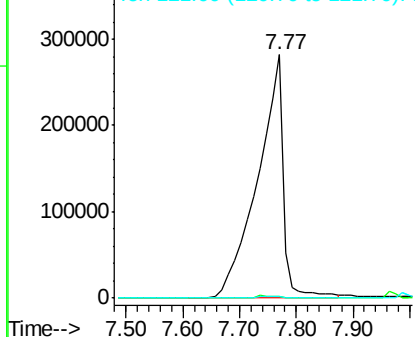


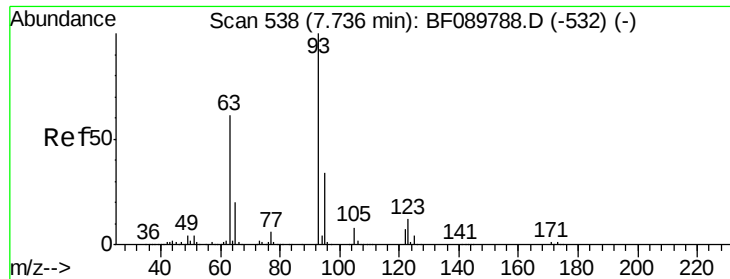
#27
 2,4-Dimethylphenol
 Concen: 29.58 ng
 RT: 7.77 min Scan# 541
 Delta R.T. 0.14 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion:122 Resp: 901428
 Ion Ratio Lower Upper
 122 100
 107 0.6 84.8 127.2#
 121 0.8 47.0 70.6#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 0.22 ng

RT: 7.77 min Scan# 541

Delta R.T. 0.03 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

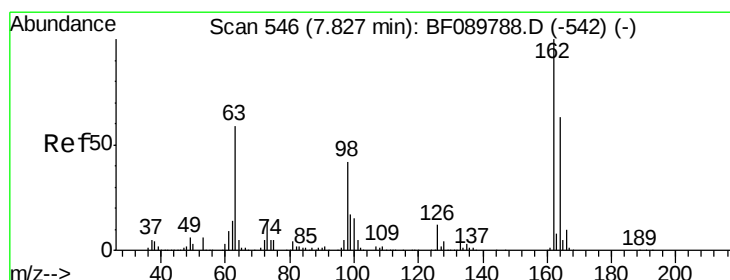
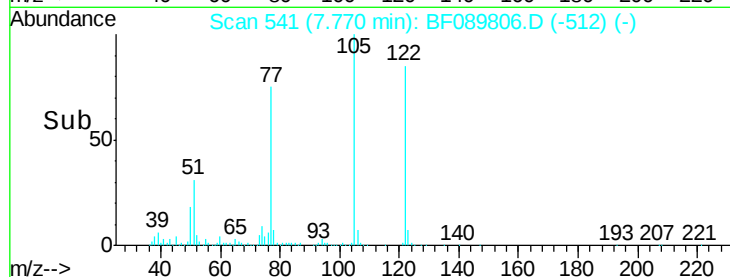
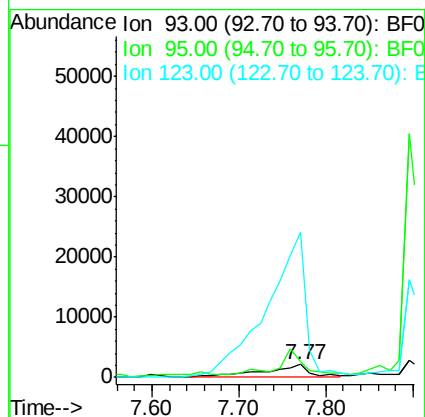
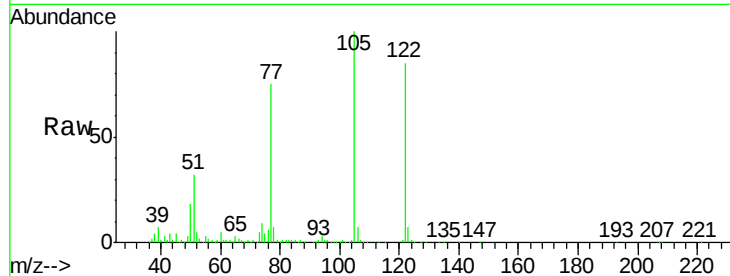
Tgt Ion: 93 Resp: 8215

Ion Ratio Lower Upper

93 100

95 123.2 25.5 38.3#

123 1137.0 8.5 12.7#



#29

2,4-Dichlorophenol

Concen: 0.17 ng

RT: 7.83 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

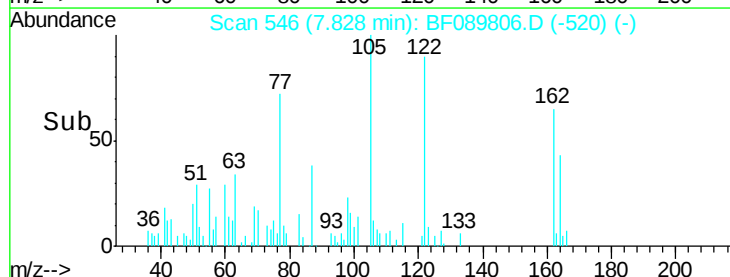
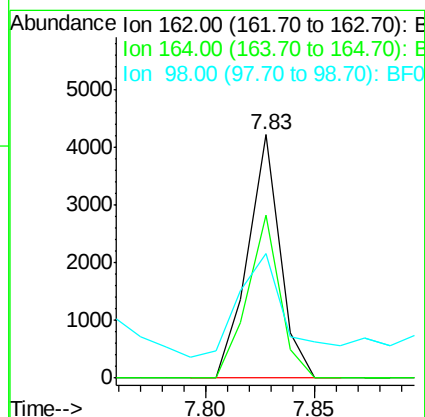
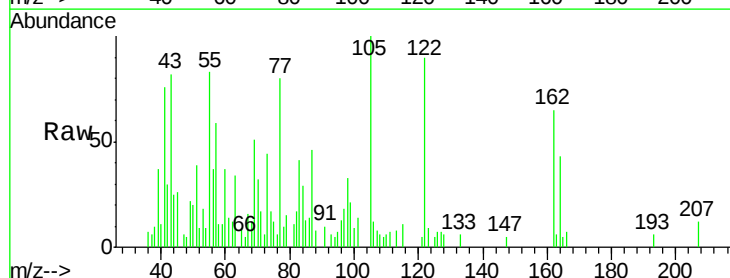
Tgt Ion: 162 Resp: 4374

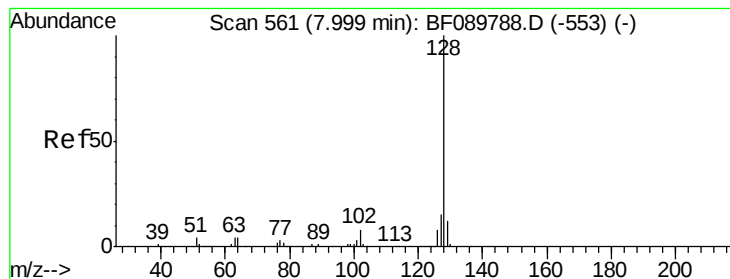
Ion Ratio Lower Upper

162 100

164 67.2 45.5 85.5

98 50.9 12.4 52.4





#31

Naphthalene

Concen: 0.03 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

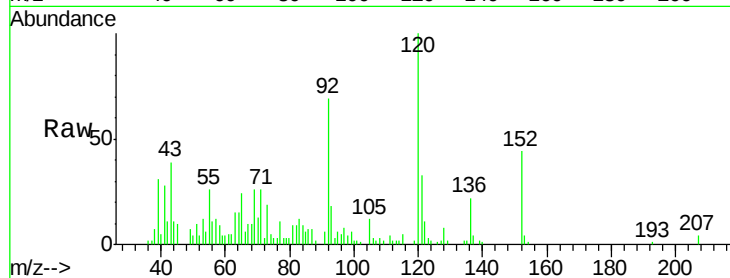
Tgt Ion:128 Resp: 2428

Ion Ratio Lower Upper

128 100

129 24.6 9.5 14.3#

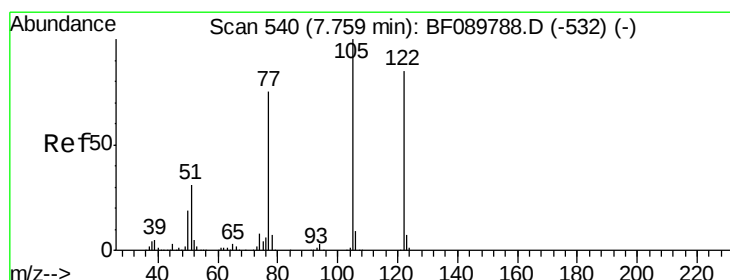
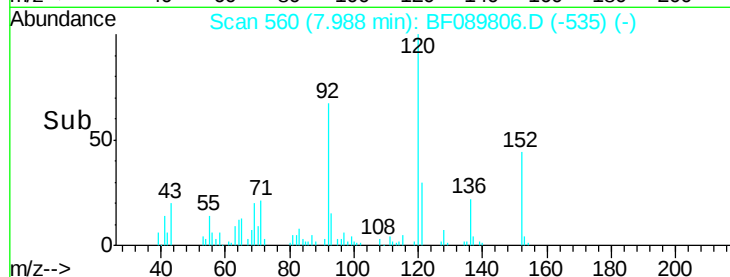
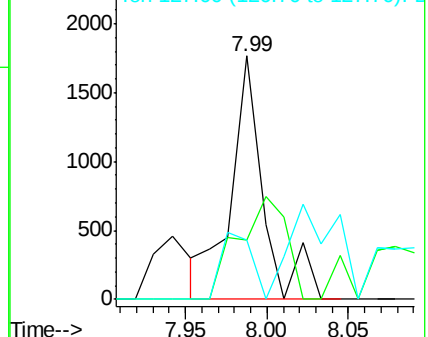
127 24.1 11.3 16.9#



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



#32

Benzoic acid

Concen: 38.25 ng

RT: 7.77 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

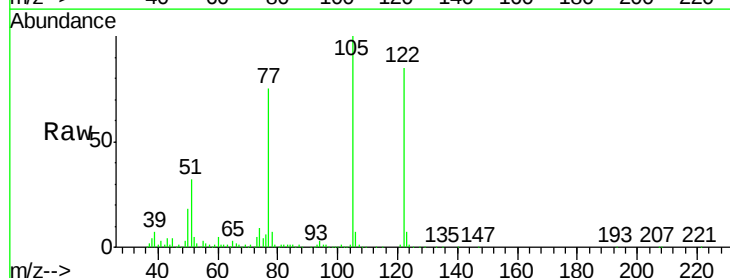
Tgt Ion:122 Resp: 908167

Ion Ratio Lower Upper

122 100

105 118.3 100.8 140.8

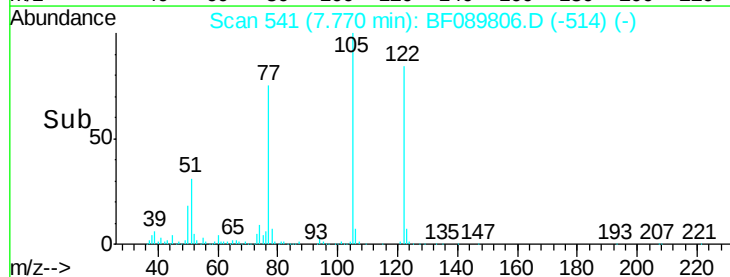
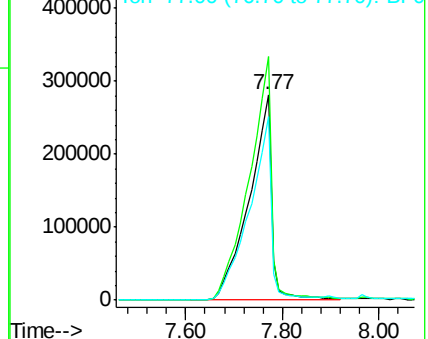
77 89.0 72.1 112.1

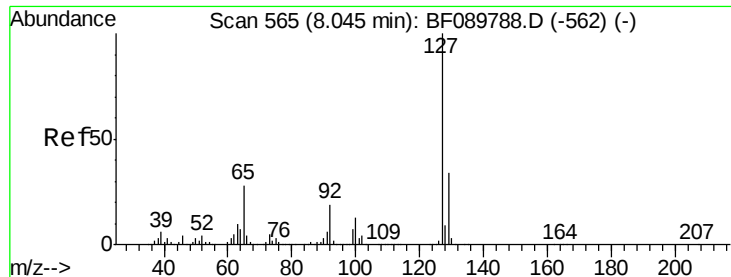


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

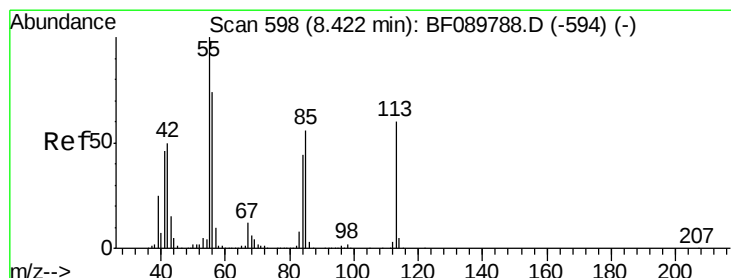
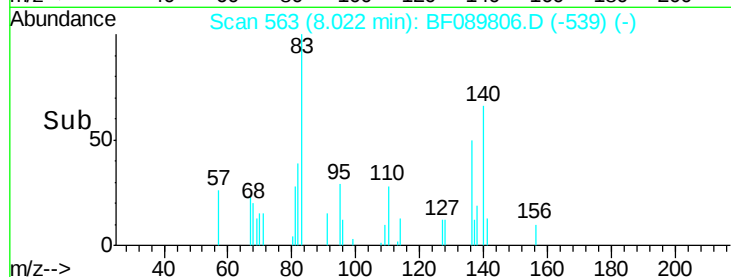
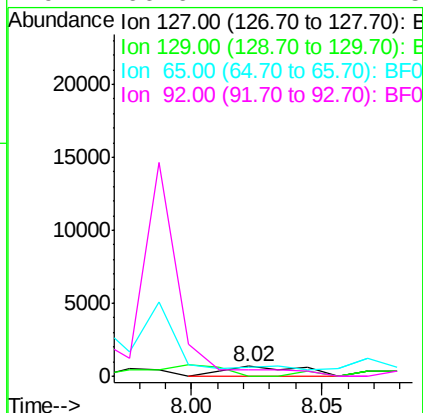
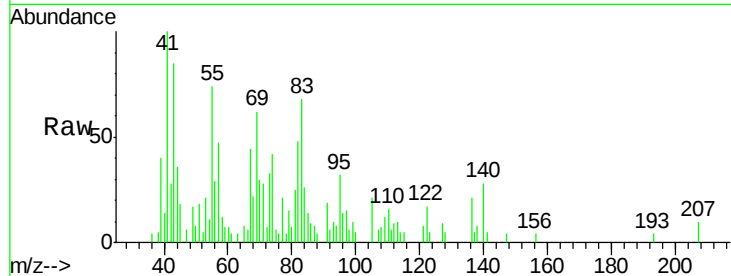




#33
4-Chloroaniline
Concen: 0.04 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

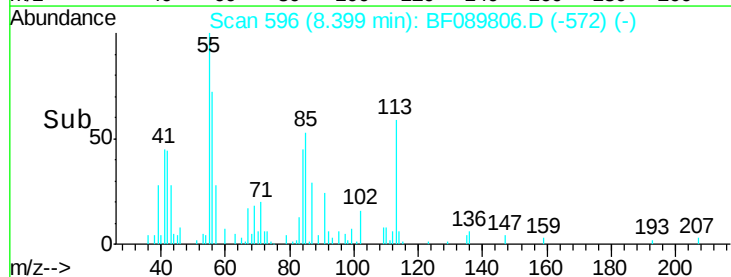
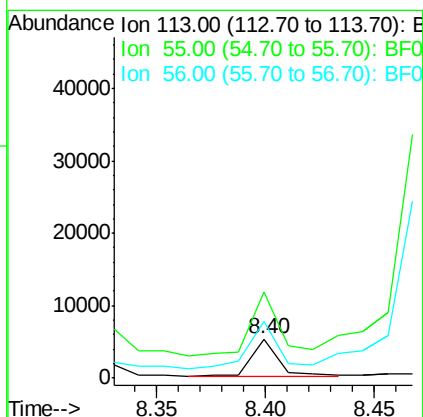
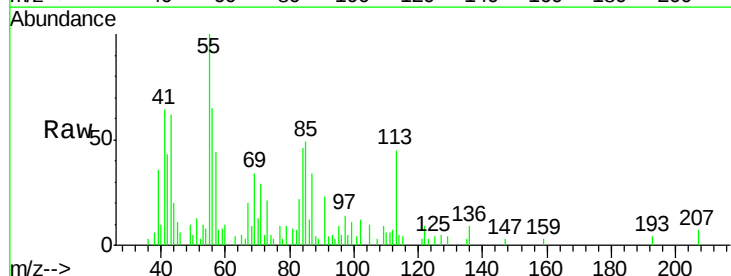
Instrument :
BNA_F
ClientSampleId :
MANHOLE

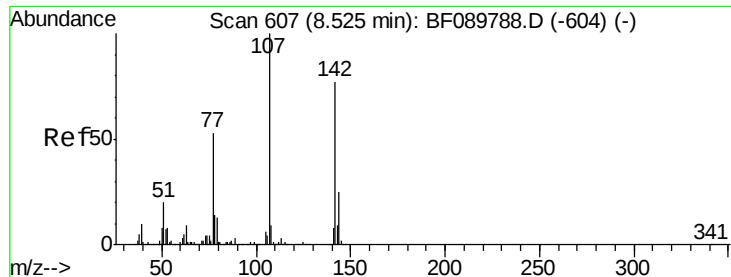
Tgt Ion:127 Resp: 1392
Ion Ratio Lower Upper
127 100
129 0.0 27.0 40.6#
65 94.8 14.7 22.1#
92 66.6 11.7 17.5#



#35
Caprolactam
Concen: 0.54 ng
RT: 8.40 min Scan# 596
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Tgt Ion:113 Resp: 4220
Ion Ratio Lower Upper
113 100
55 222.5 135.9 175.9#
56 145.2 93.9 133.9#

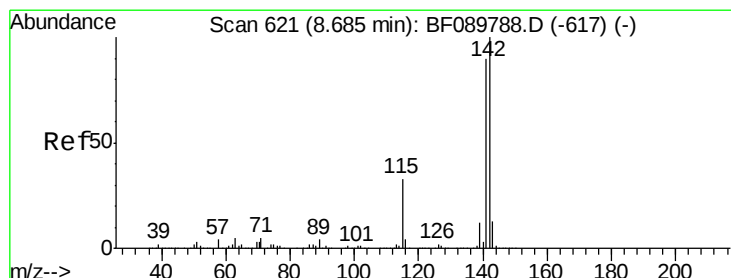
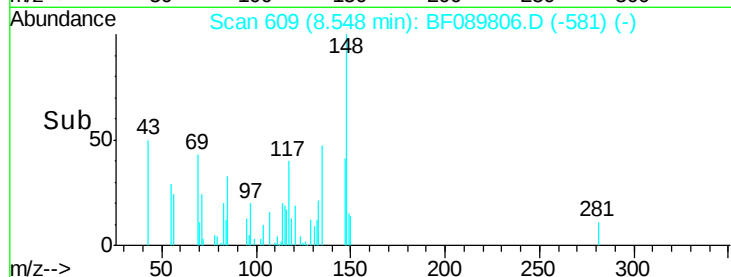
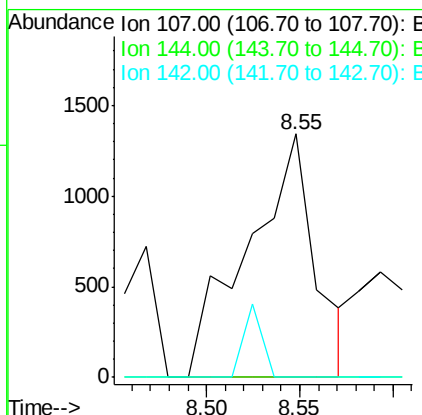
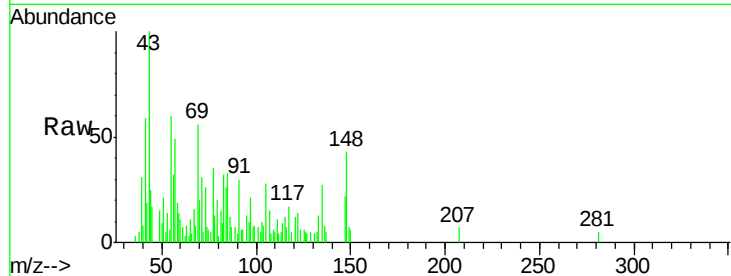




#36
 4-Chloro-3-methylphenol
 Concen: 0.12 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.02 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

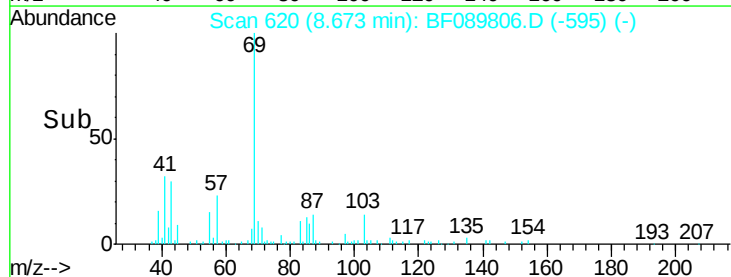
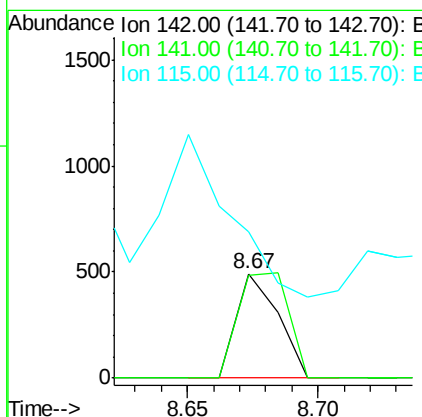
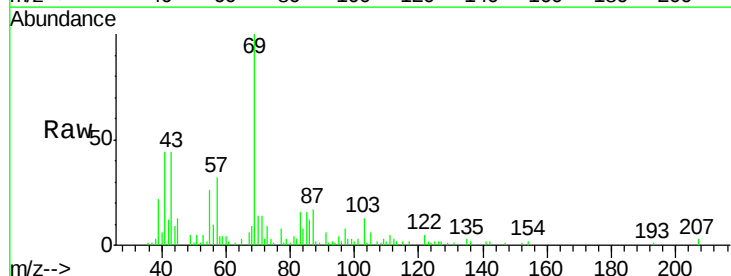
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

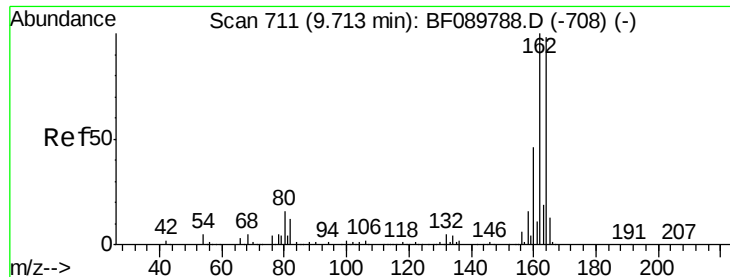
Tgt Ion:107 Resp: 3376
 Ion Ratio Lower Upper
 107 100
 144 0.0 22.6 34.0#
 142 0.0 69.3 103.9#



#37
 2-Methylnaphthalene
 Concen: 0.01 ng
 RT: 8.67 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion:142 Resp: 549
 Ion Ratio Lower Upper
 142 100
 141 98.2 71.4 107.2
 115 140.5 22.7 34.1#

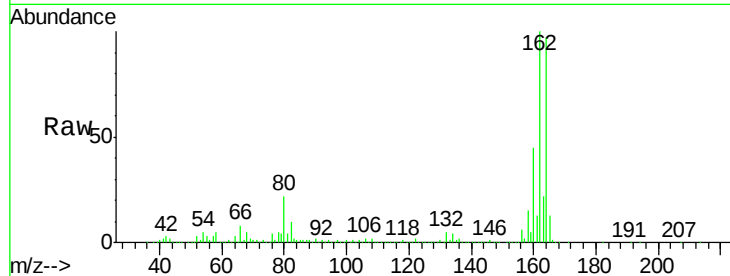




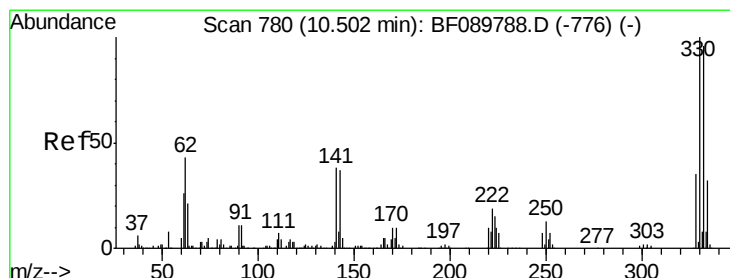
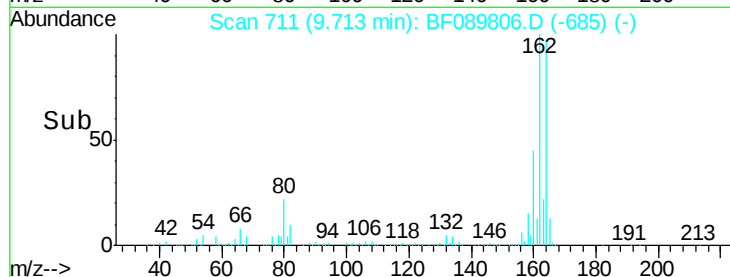
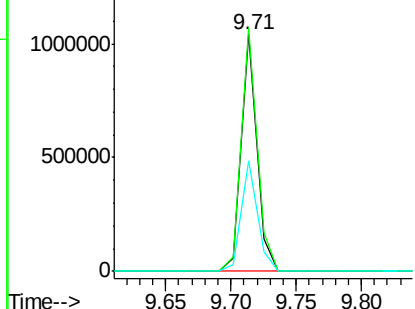
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Tgt Ion:164 Resp: 857810
 Ion Ratio Lower Upper
 164 100
 162 102.8 81.4 122.2
 160 46.7 37.8 56.6

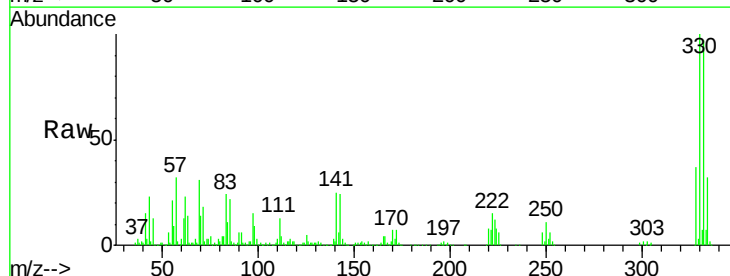


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

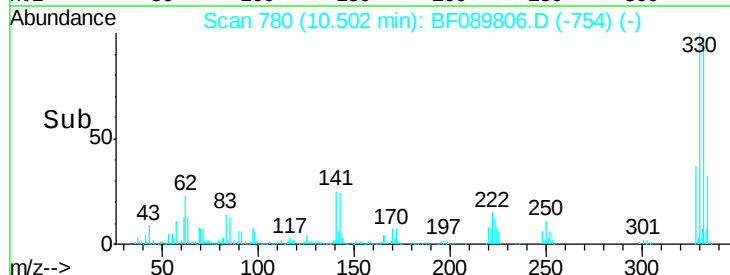
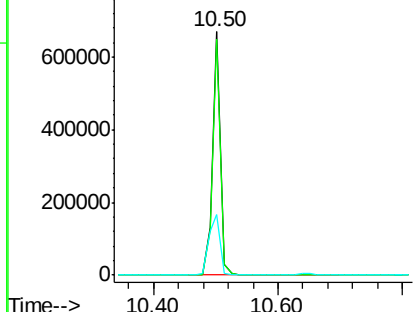


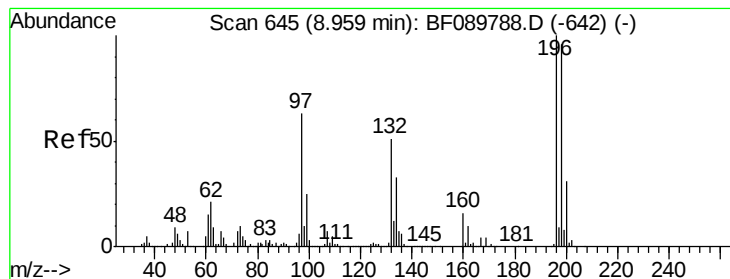
#41
 2,4,6-Tribromophenol
 Concen: 71.59 ng
 RT: 10.50 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion:330 Resp: 583618
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.7 115.1
 141 34.8 30.2 45.2



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





#42

2,4,6-Trichlorophenol

Concen: 0.09 ng

RT: 8.96 min Scan# 645

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

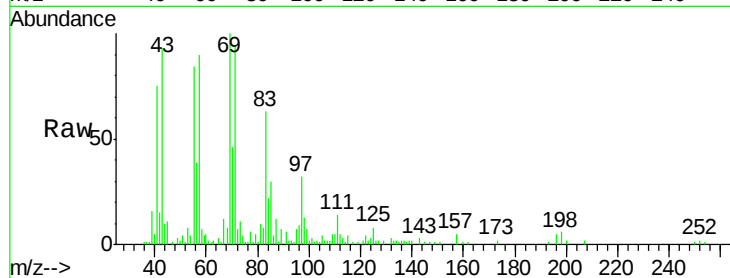
Tgt Ion:196 Resp: 1503

Ion Ratio Lower Upper

196 100

198 117.6 76.3 114.5#

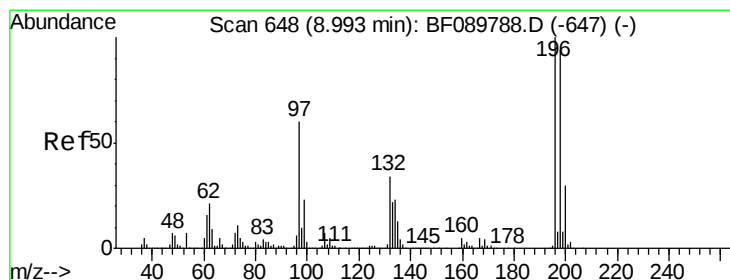
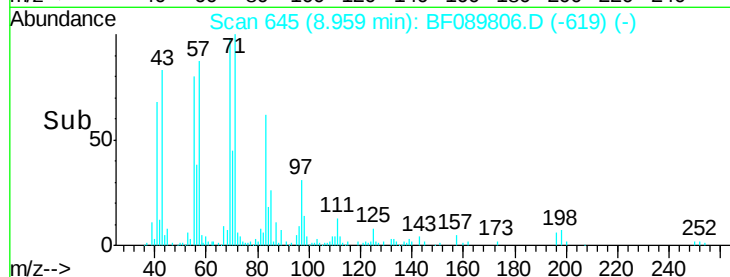
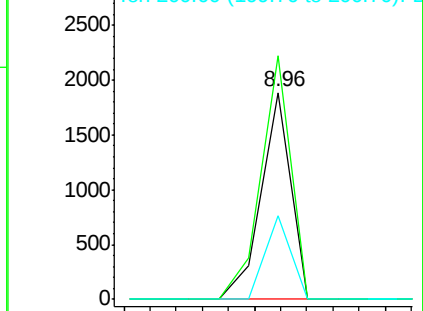
200 40.4 24.6 36.8#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 0.09 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.03 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Tgt Ion:196 Resp: 1503

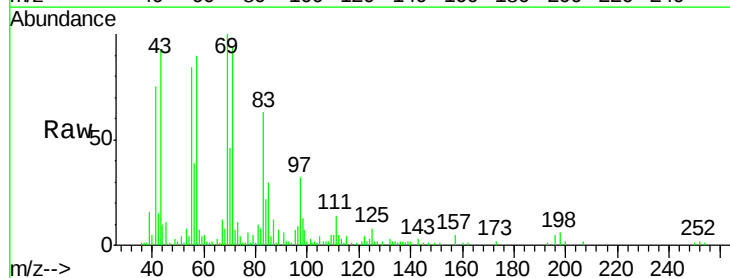
Ion Ratio Lower Upper

196 100

198 117.6 76.6 114.8#

97 633.0 35.8 53.8#

132 55.1 23.5 35.3#

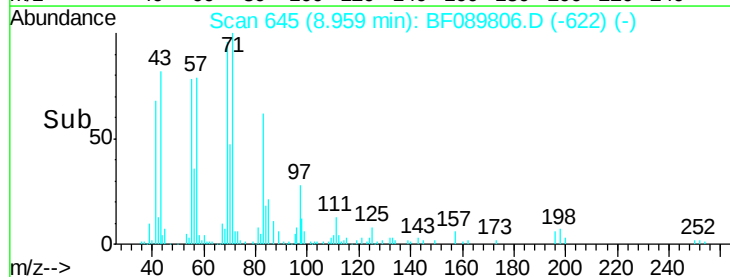
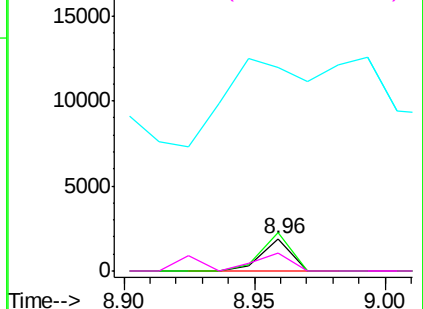


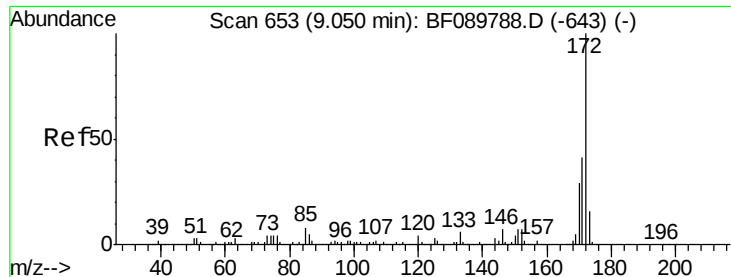
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E

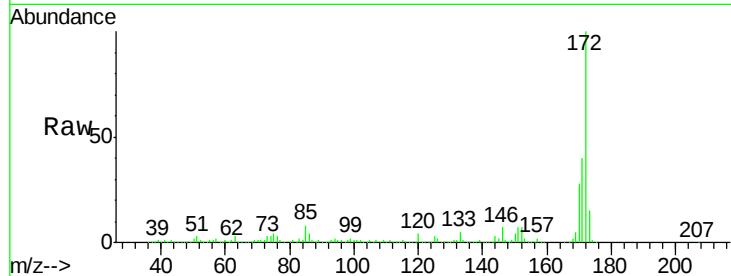




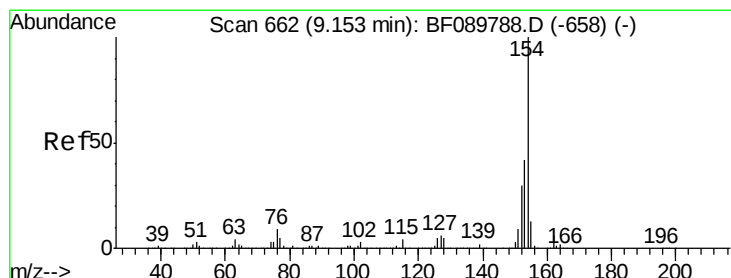
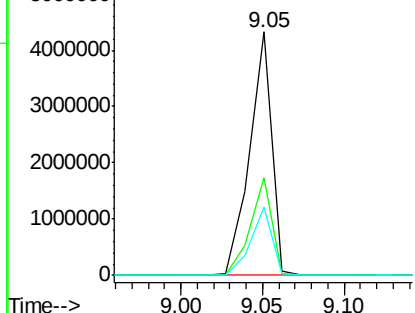
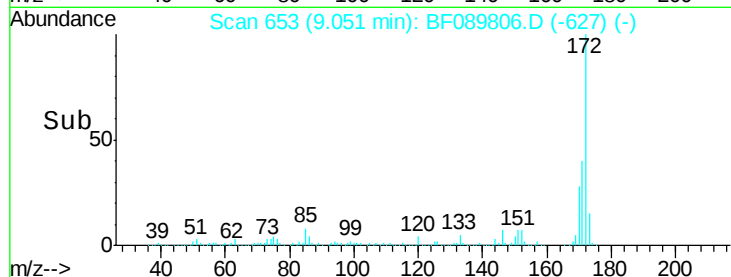
#44
 2-Fluorobiphenyl
 Concen: 83.27 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Tgt Ion:172 Resp: 4064142
 Ion Ratio Lower Upper
 172 100
 171 39.9 30.5 45.7
 170 28.1 20.6 31.0

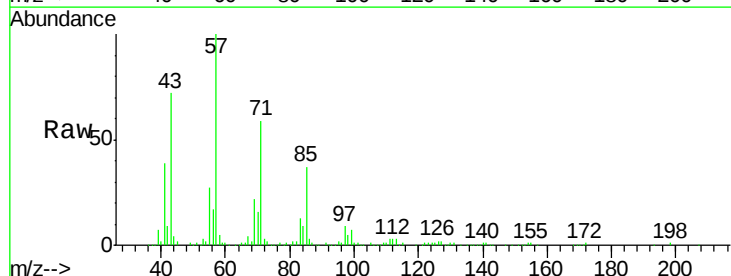


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

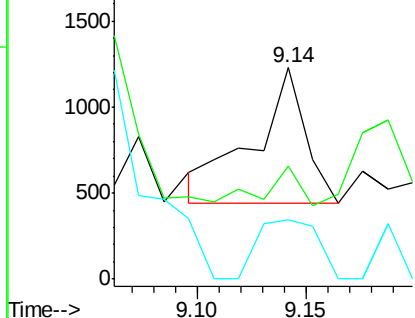
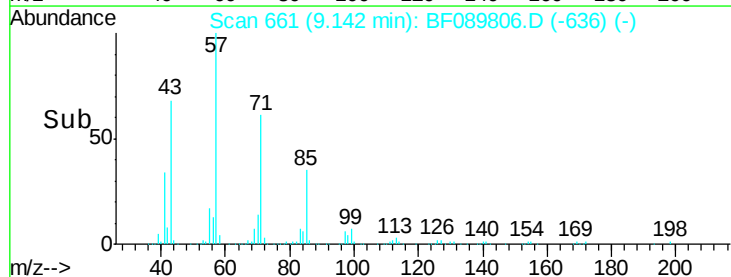


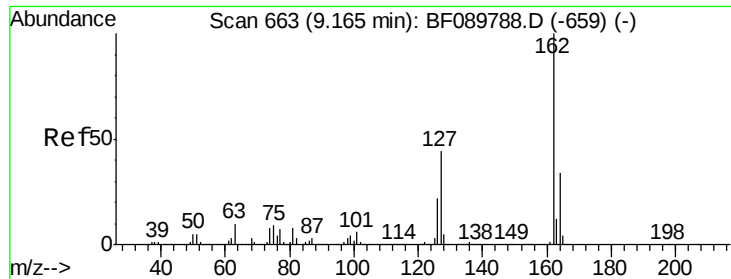
#45
 1,1'-Biphenyl
 Concen: 0.02 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion:154 Resp: 1328
 Ion Ratio Lower Upper
 154 100
 153 53.3 21.5 61.5
 76 28.3 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

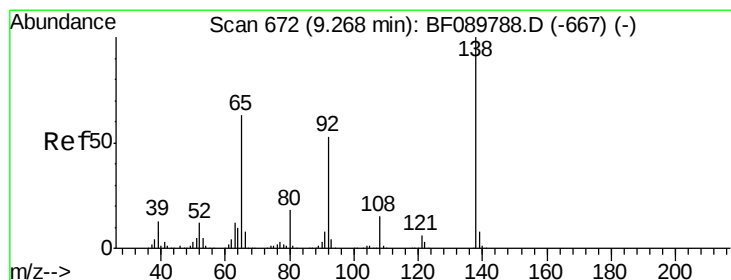
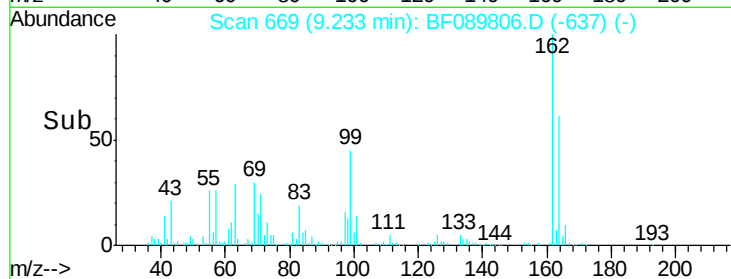
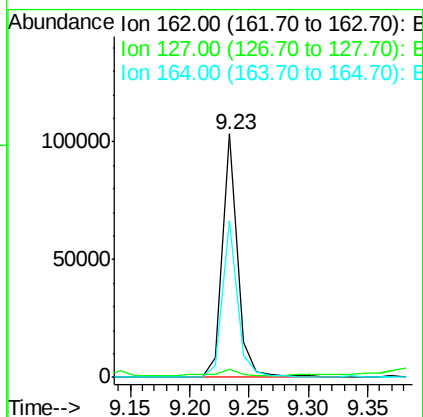
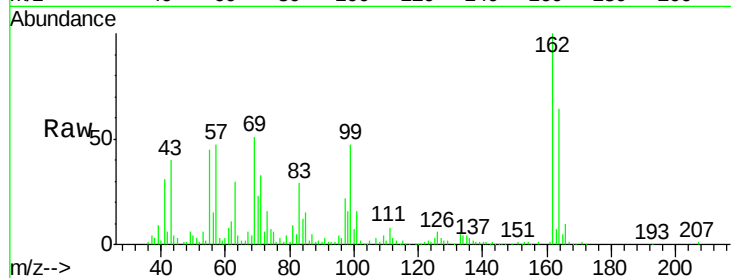




#46
 2-Chloronaphthalene
 Concen: 1.72 ng
 RT: 9.23 min Scan# 669
 Delta R.T. 0.07 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

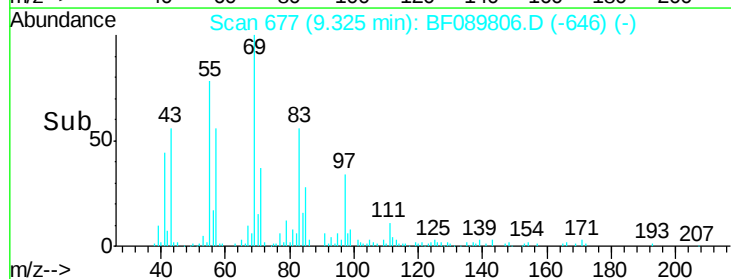
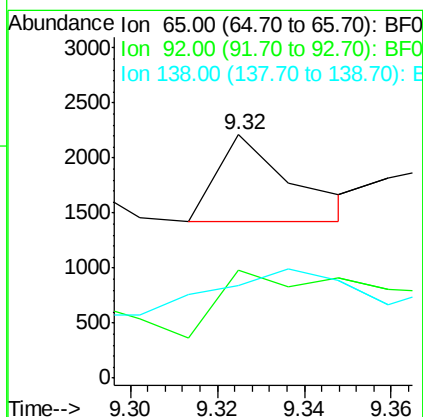
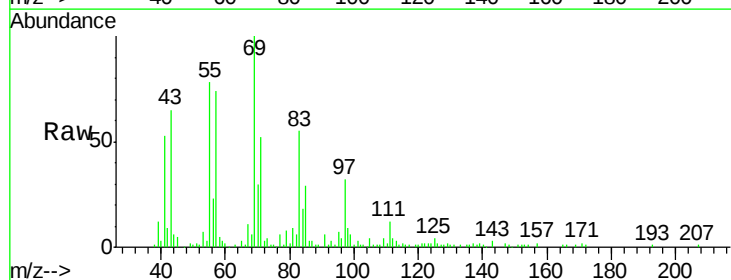
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

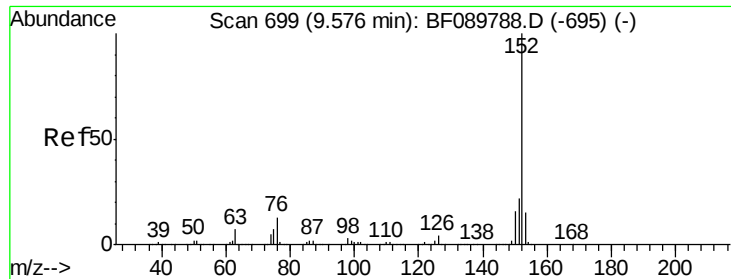
Tgt Ion: 162 Resp: 90333
 Ion Ratio Lower Upper
 162 100
 127 3.2 35.5 53.3#
 164 64.3 26.6 40.0#



#47
 2-Nitroaniline
 Concen: 0.06 ng
 RT: 9.32 min Scan# 677
 Delta R.T. 0.06 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion: 65 Resp: 934
 Ion Ratio Lower Upper
 65 100
 92 44.3 56.3 84.5#
 138 37.8 81.8 122.8#





#48

Acenaphthylene

Concen: 0.02 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

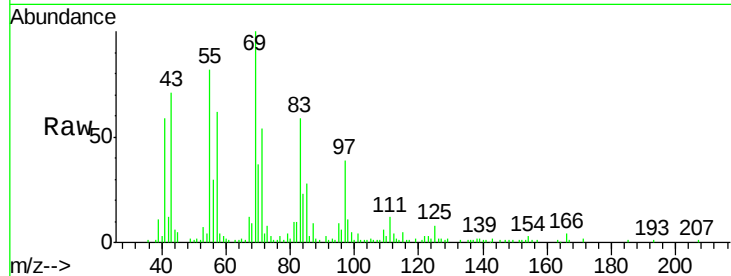
Tgt Ion:152 Resp: 1710

Ion Ratio Lower Upper

152 100

151 82.1 17.1 25.7#

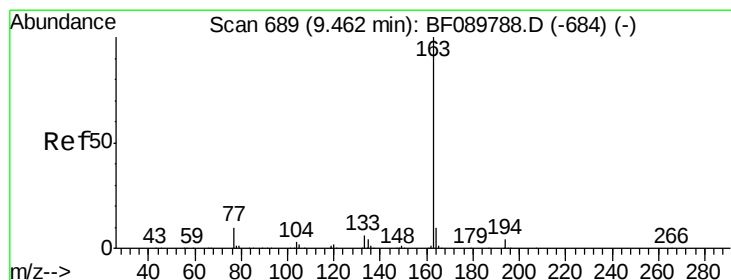
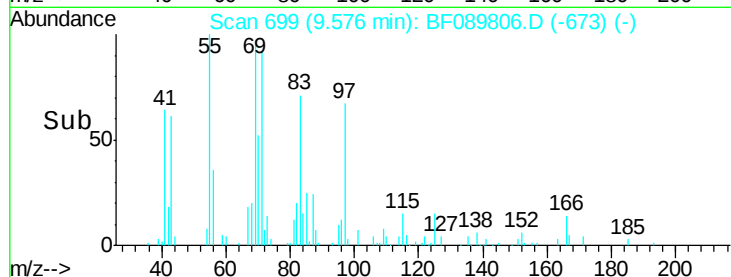
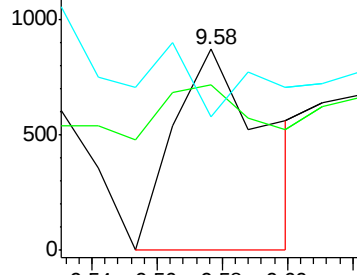
153 66.2 11.2 16.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.22 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

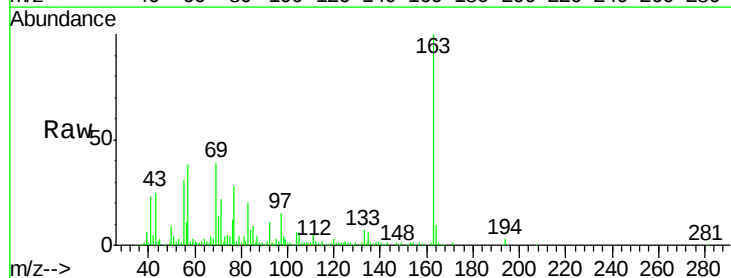
Tgt Ion:163 Resp: 194232

Ion Ratio Lower Upper

163 100

194 3.0 2.6 3.8

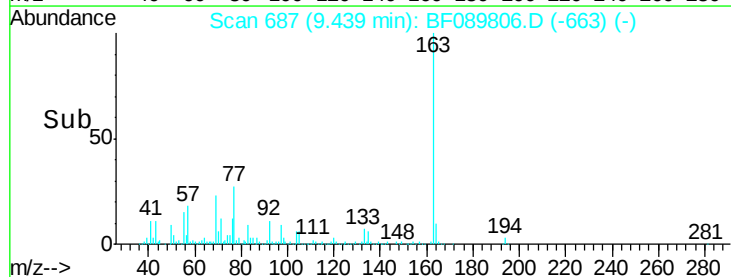
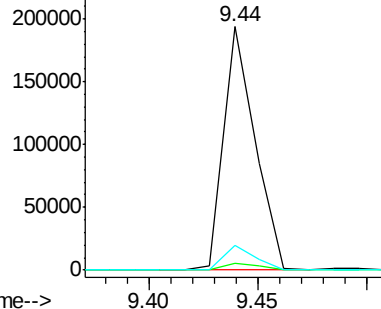
164 10.3 8.6 12.8

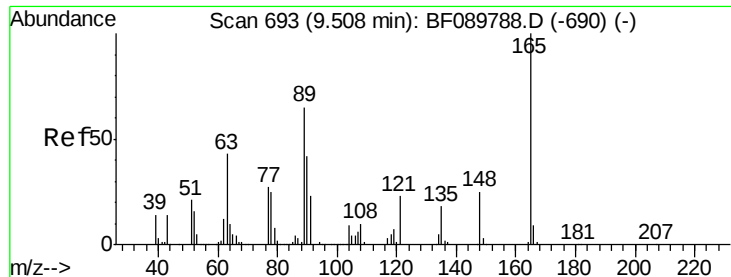


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 1.17 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

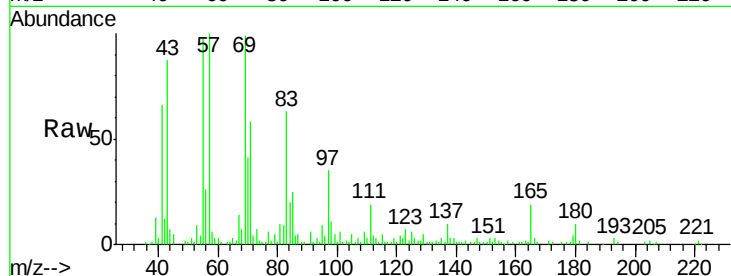
Tgt Ion:165 Resp: 16276

Ion Ratio Lower Upper

165 100

63 4.8 41.7 62.5#

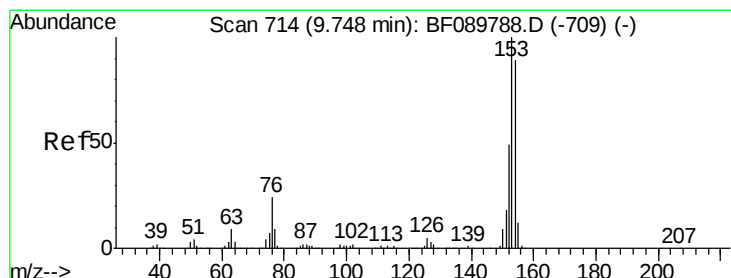
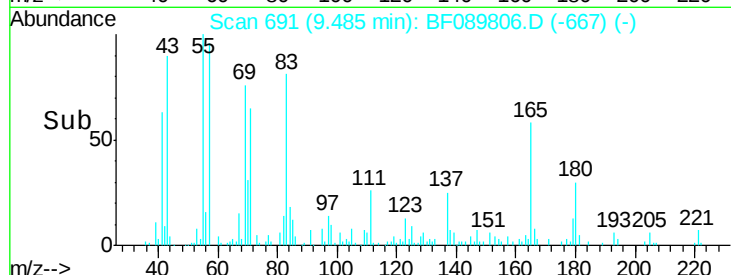
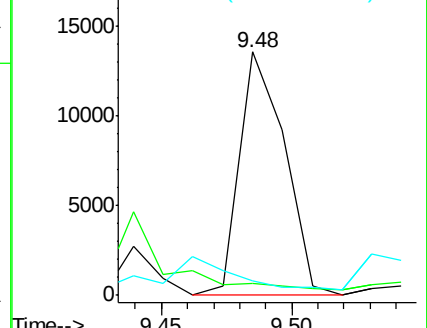
89 5.7 44.6 67.0#



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



#51

Acenaphthene

Concen: 0.10 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

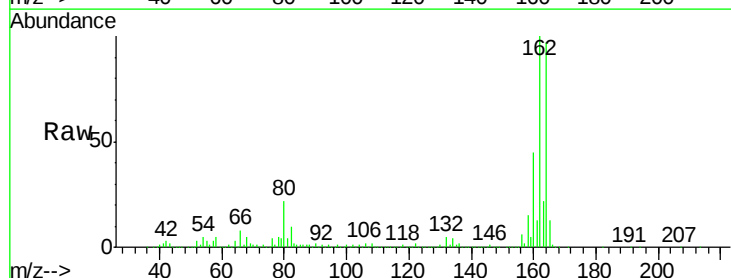
Tgt Ion:154 Resp: 5373

Ion Ratio Lower Upper

154 100

153 29.2 90.5 135.7#

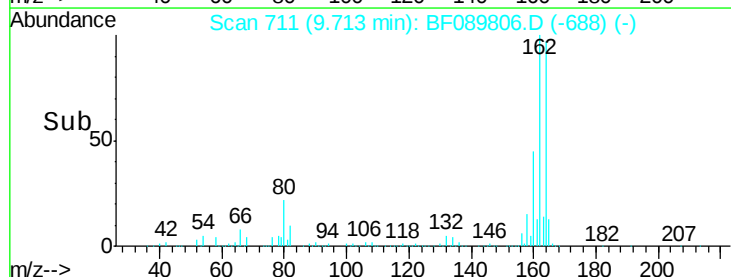
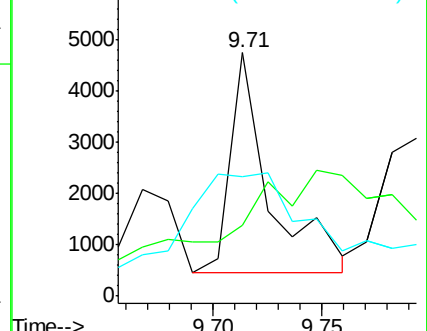
152 49.1 44.6 67.0

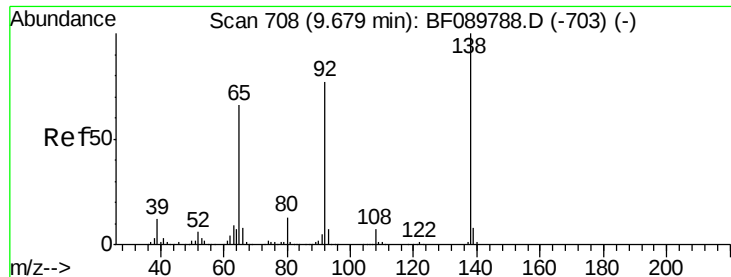


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 0.11 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.05 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

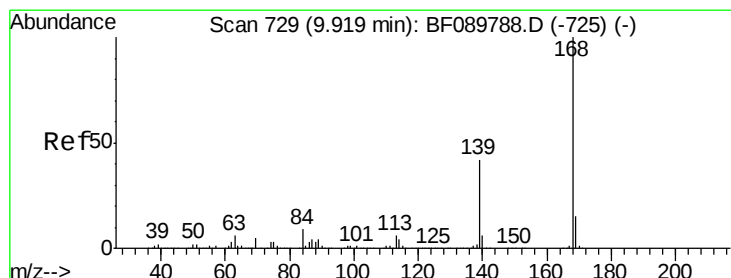
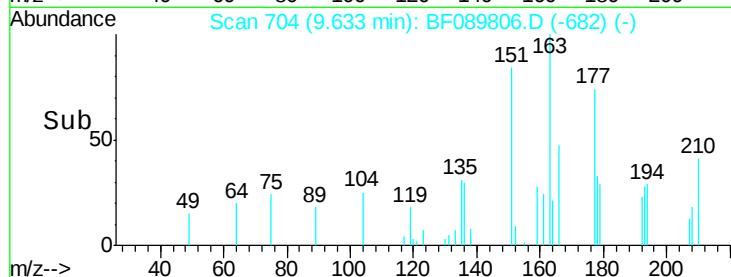
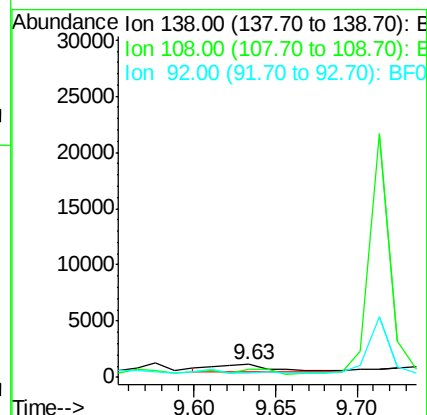
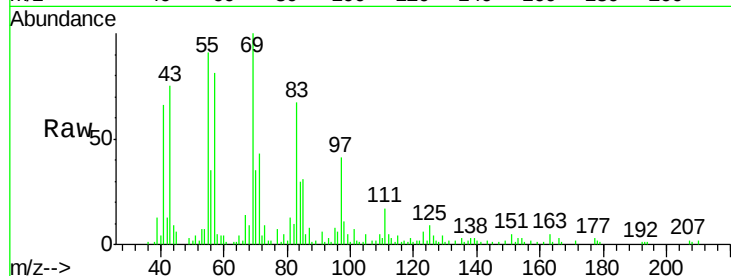
Tgt Ion:138 Resp: 1633

Ion Ratio Lower Upper

138 100

108 59.2 8.1 12.1#

92 31.6 92.7 139.1#



#54

Dibenzofuran

Concen: 0.03 ng

RT: 9.92 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

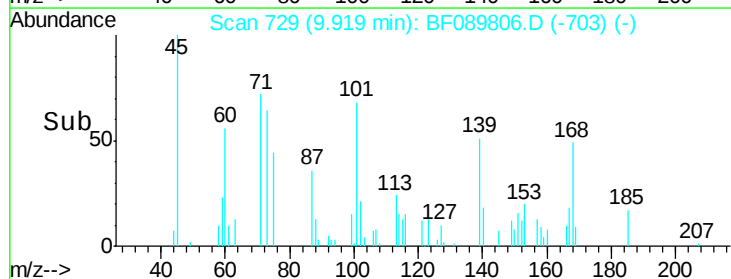
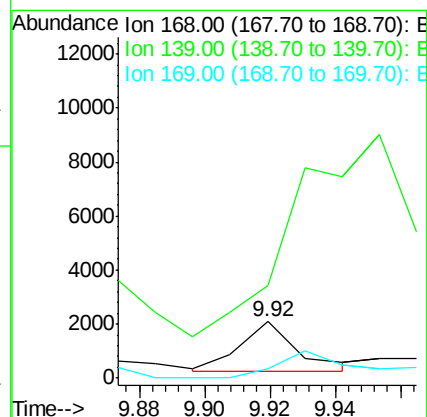
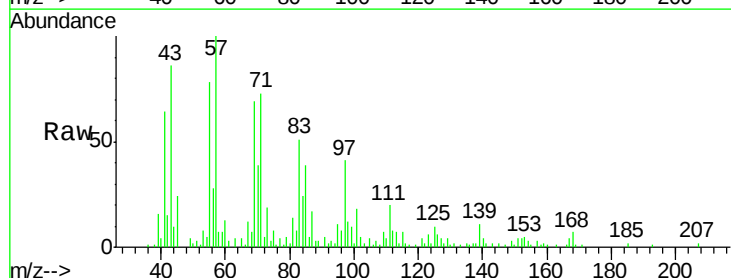
Tgt Ion:168 Resp: 2191

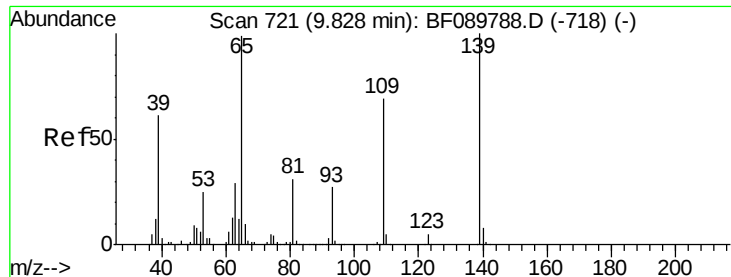
Ion Ratio Lower Upper

168 100

139 164.1 34.6 52.0#

169 17.5 11.5 17.3#





#55

4-Nitrophenol

Concen: 5.16 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

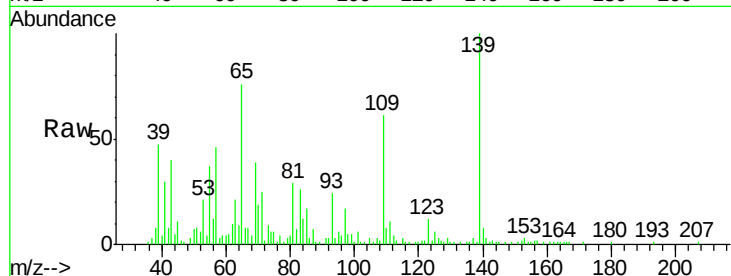
Tgt Ion:139 Resp: 65083

Ion Ratio Lower Upper

139 100

109 60.8 43.0 83.0

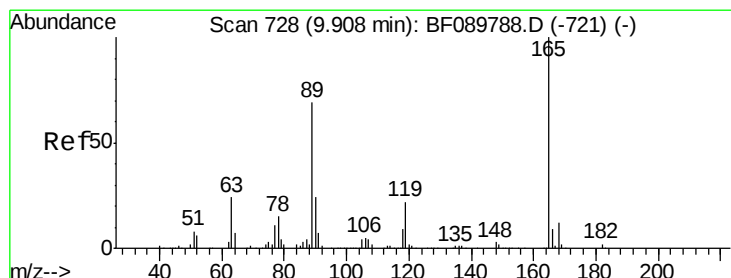
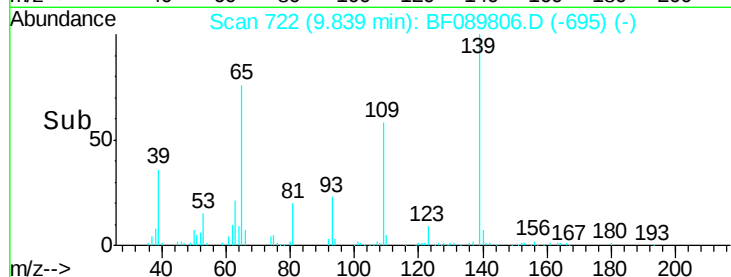
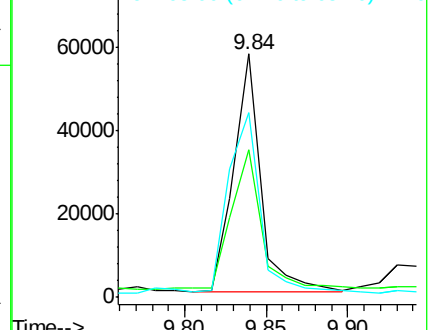
65 75.8 55.7 95.7



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.33 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.19 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Tgt Ion:165 Resp: 114495

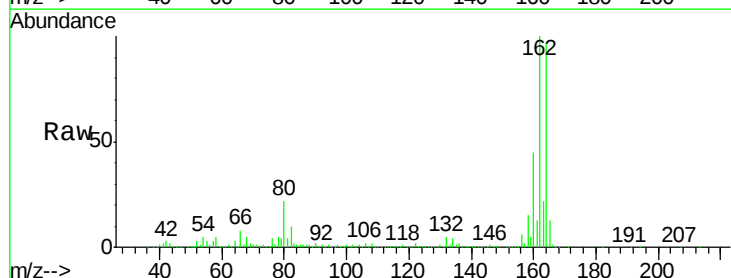
Ion Ratio Lower Upper

165 100

63 1.4 23.7 35.5#

89 1.5 44.0 66.0#

182 0.2 2.0 3.0#

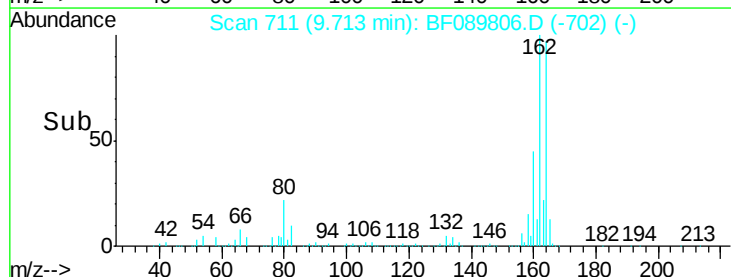
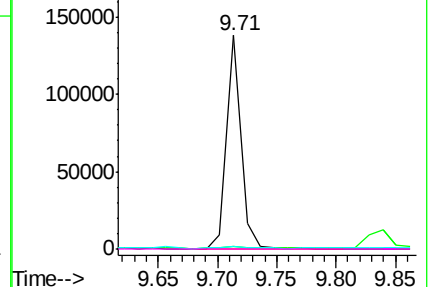


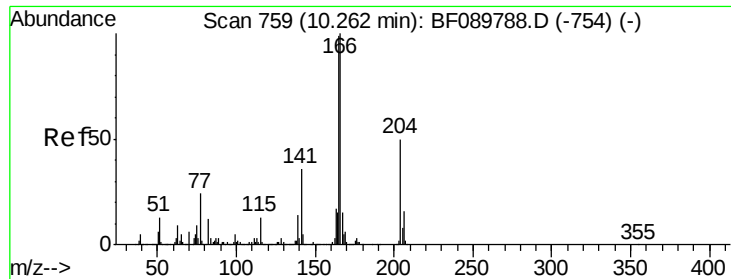
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.06 ng

RT: 10.26 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

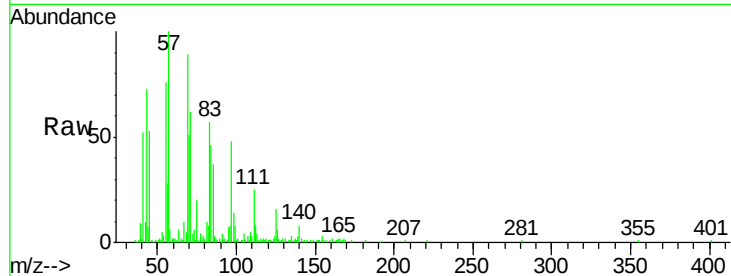
Tgt Ion:166 Resp: 2901

Ion Ratio Lower Upper

166 100

165 102.1 80.2 120.4

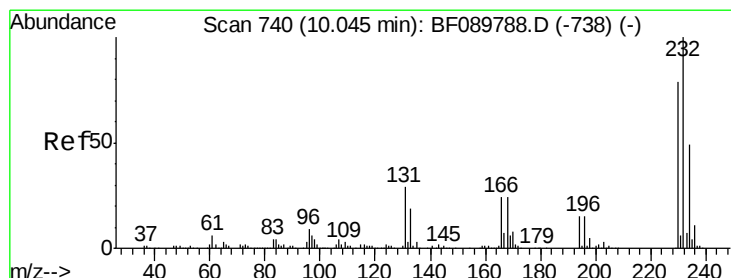
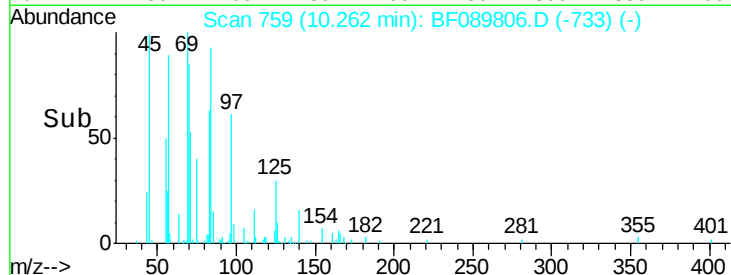
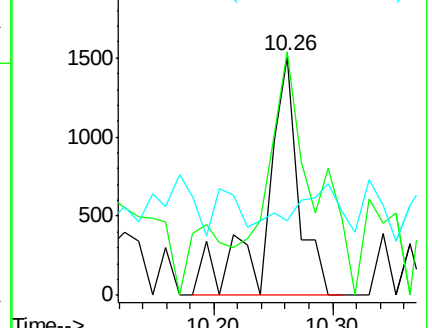
167 31.2 11.3 16.9#



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.02 ng

RT: 10.00 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Tgt Ion:232 Resp: 211

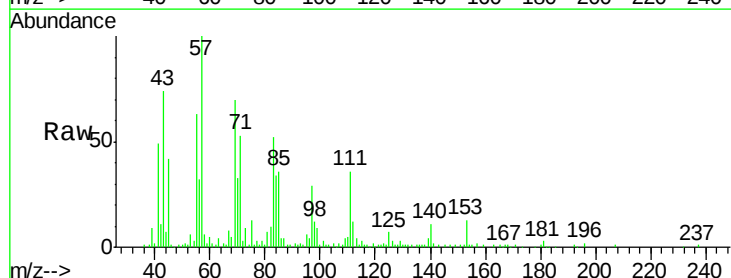
Ion Ratio Lower Upper

232 100

131 243.1 42.5 63.7#

130 0.0 2.2 3.4#

166 0.0 27.3 40.9#

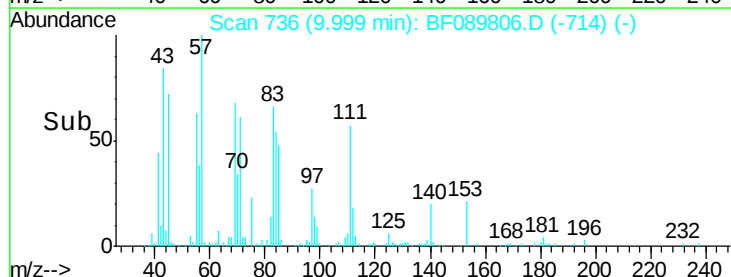
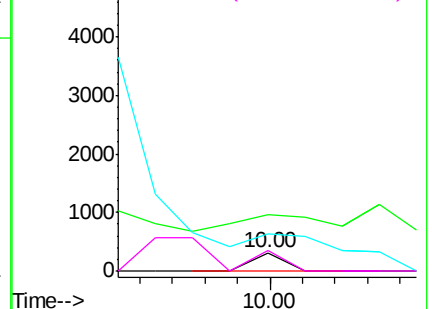


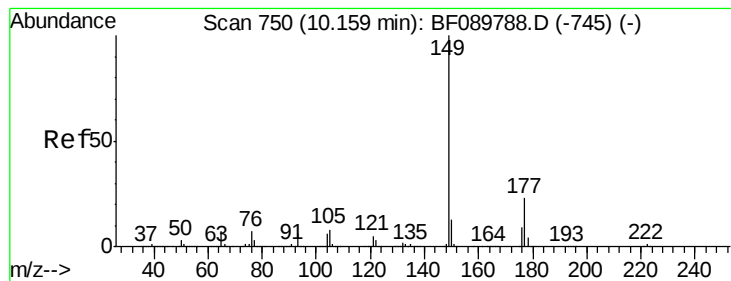
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 0.67 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

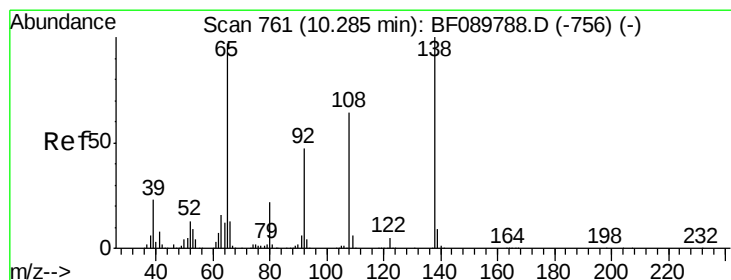
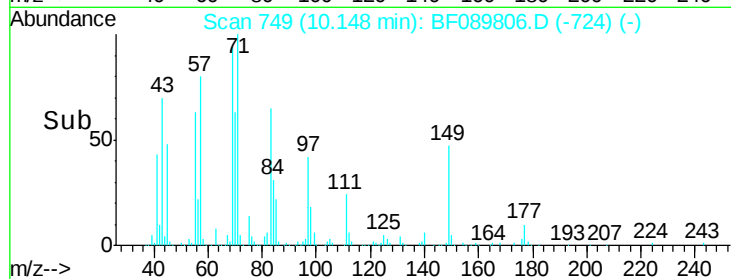
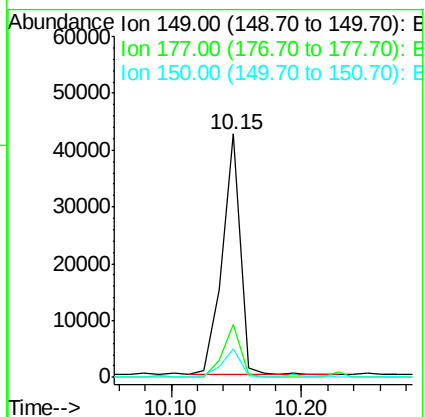
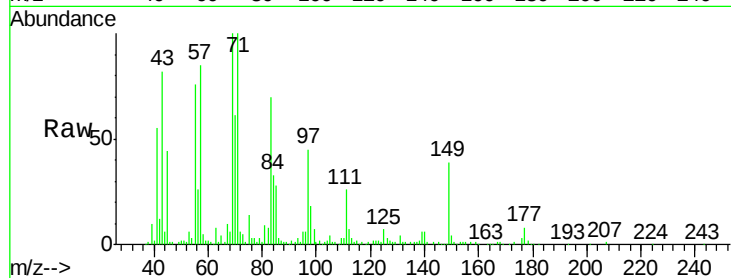
Tgt Ion:149 Resp: 41258

Ion Ratio Lower Upper

149 100

177 21.7 16.6 25.0

150 11.5 10.5 15.7



#61

4-Nitroaniline

Concen: 0.31 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

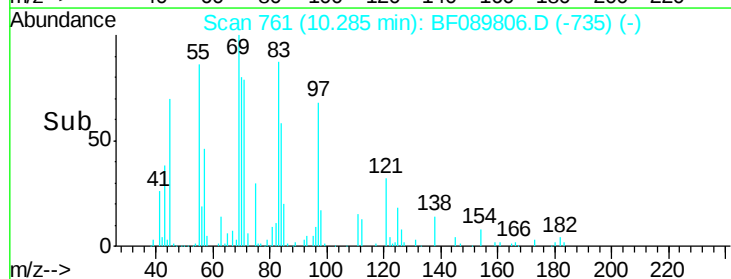
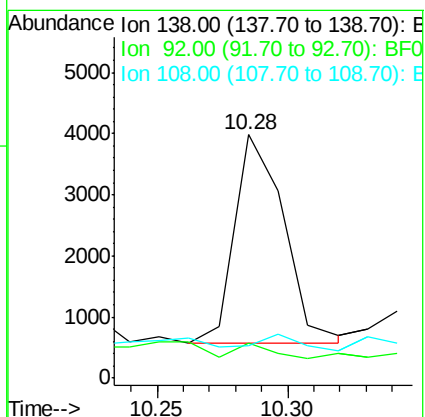
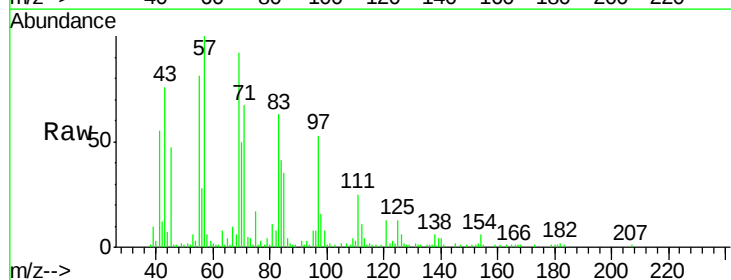
Tgt Ion:138 Resp: 4515

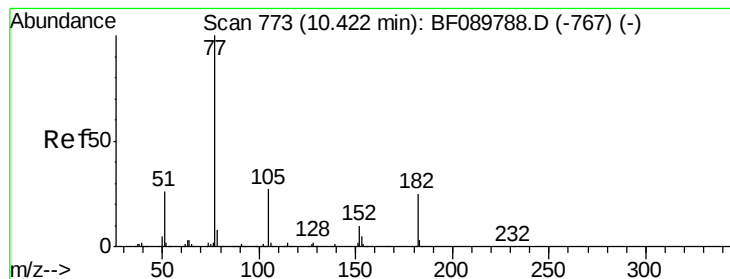
Ion Ratio Lower Upper

138 100

92 14.5 26.4 66.4#

108 13.2 47.0 87.0#





#62

Azobenzene

Concen: 0.03 ng

RT: 10.54 min Scan# 783

Delta R.T. 0.11 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

Tgt Ion: 77 Resp: 1817

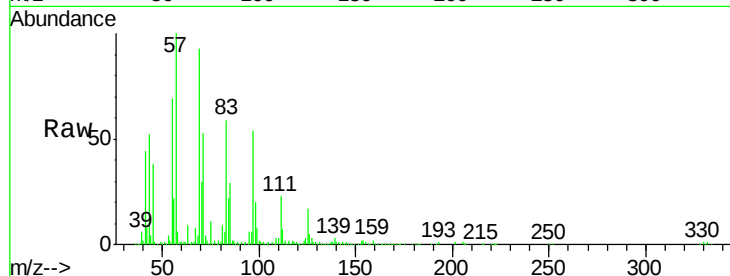
Ion Ratio Lower Upper

77 100

182 19.1 5.6 45.6

105 35.1 4.0 44.0

51 44.0 7.8 47.8

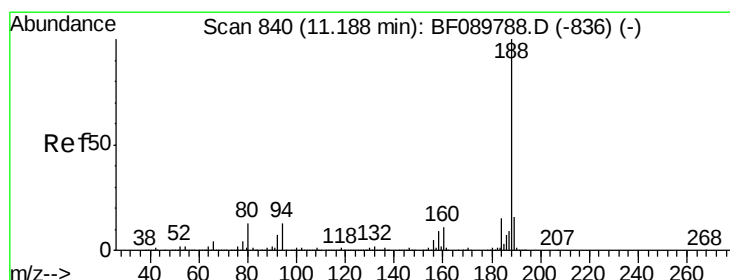
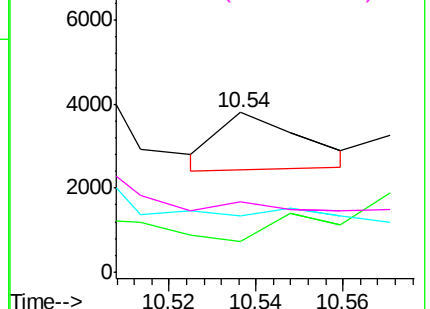
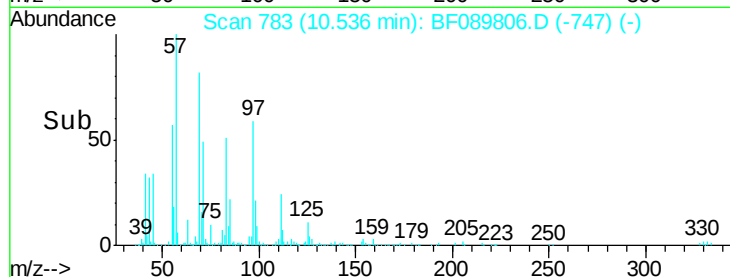


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

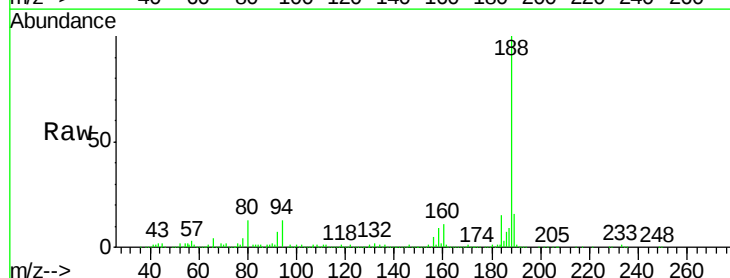
Tgt Ion: 188 Resp: 1301397

Ion Ratio Lower Upper

188 100

94 12.9 10.2 15.2

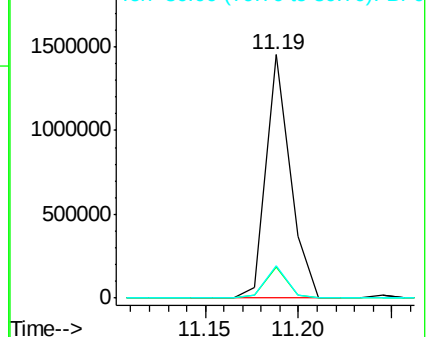
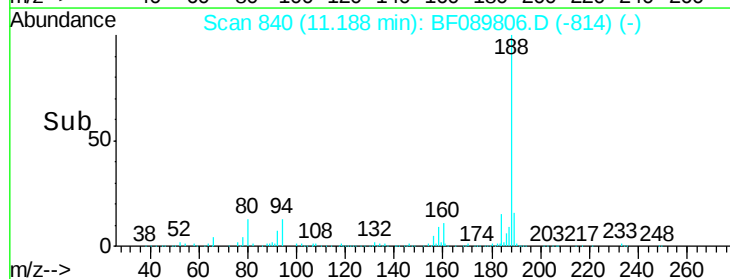
80 13.3 10.9 16.3

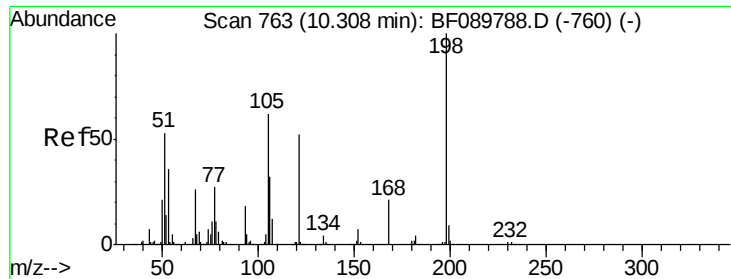


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 0.18 ng

RT: 10.50 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

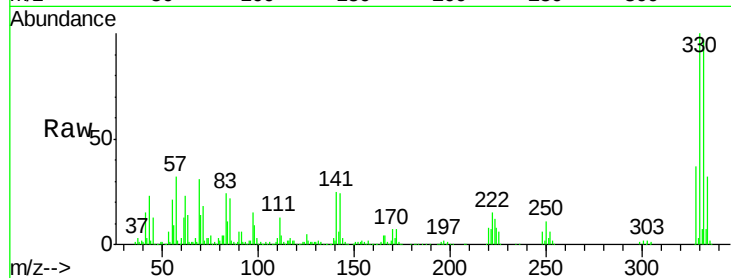
Tgt Ion:198 Resp: 1321

Ion Ratio Lower Upper

198 100

51 214.4 32.3 72.3#

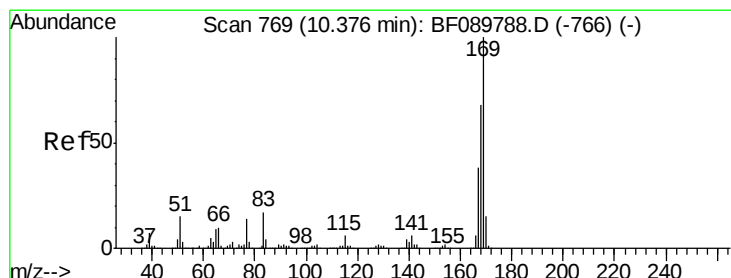
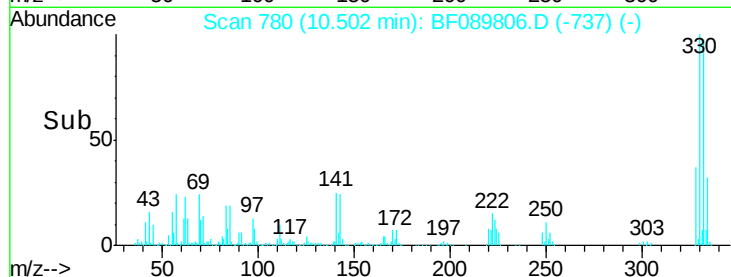
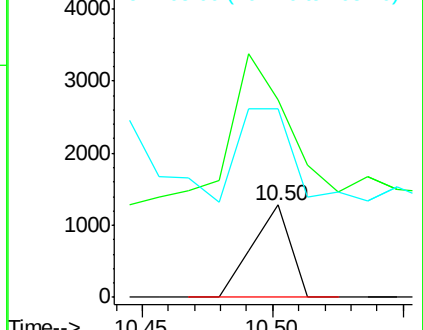
105 204.8 32.9 72.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.08 ng

RT: 10.38 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

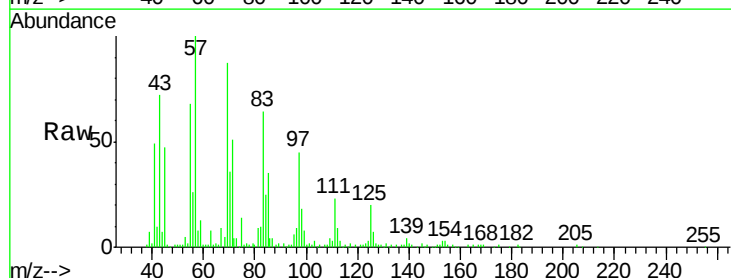
Tgt Ion:169 Resp: 3258

Ion Ratio Lower Upper

169 100

168 75.8 54.6 82.0

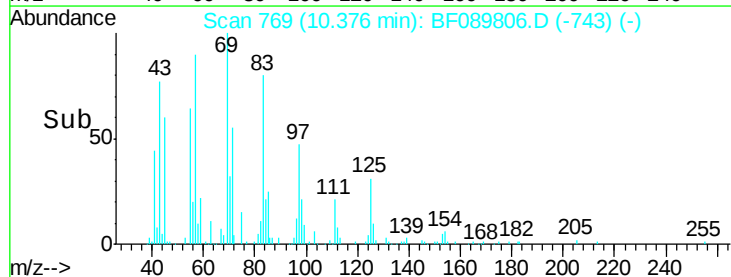
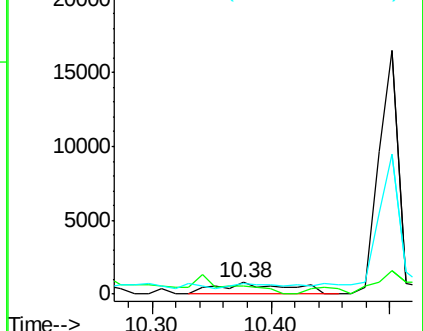
167 90.1 30.6 45.8#

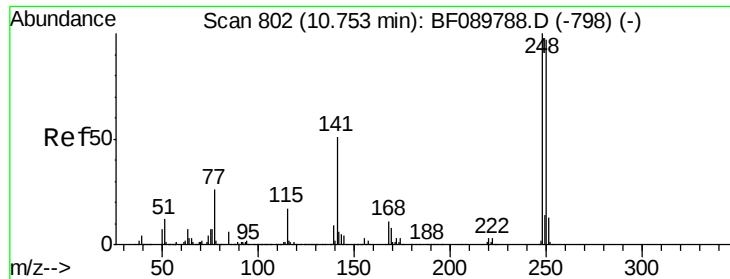


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

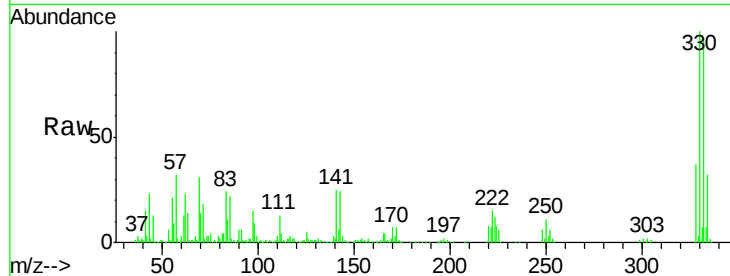




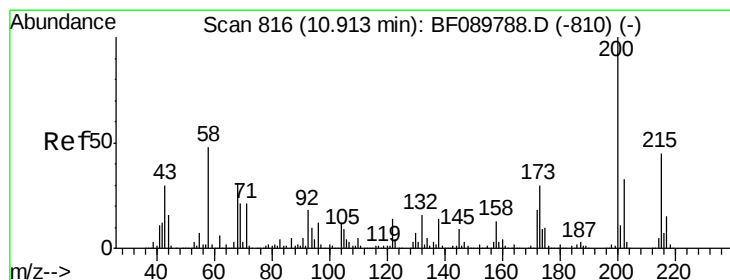
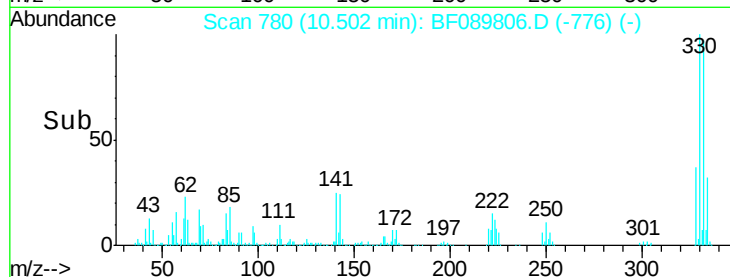
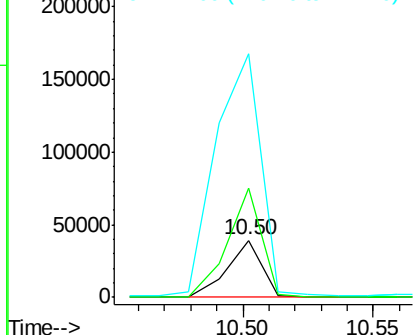
#66
4-Bromophenyl-phenylether
Concen: 2.66 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.25 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:248 Resp: 36286
Ion Ratio Lower Upper
248 100
250 193.4 78.6 117.8#
141 429.2 31.4 47.2#

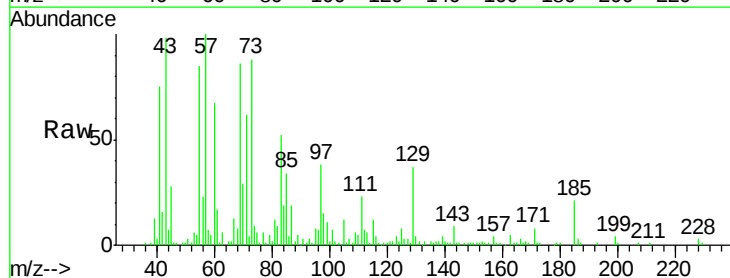


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

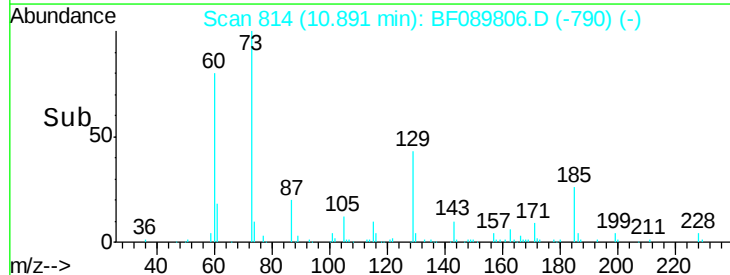
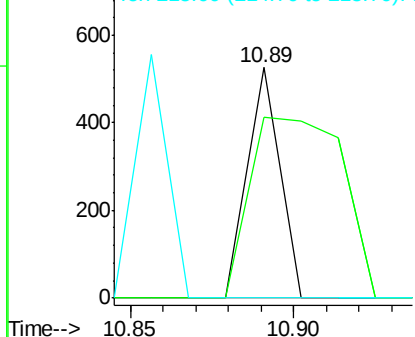


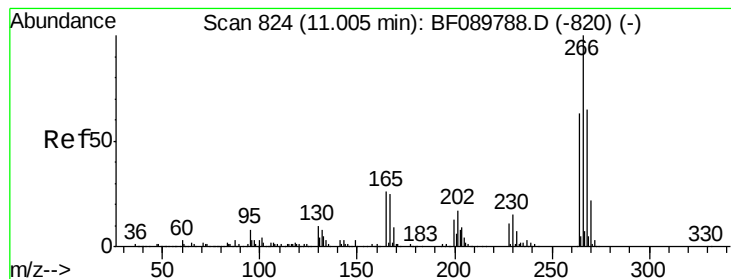
#68
Atrazine
Concen: 0.03 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Tgt Ion:200 Resp: 361
Ion Ratio Lower Upper
200 100
173 78.3 6.6 46.6#
215 0.0 24.7 64.7#



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





#69

Pentachlorophenol

Concen: 0.09 ng

RT: 11.01 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

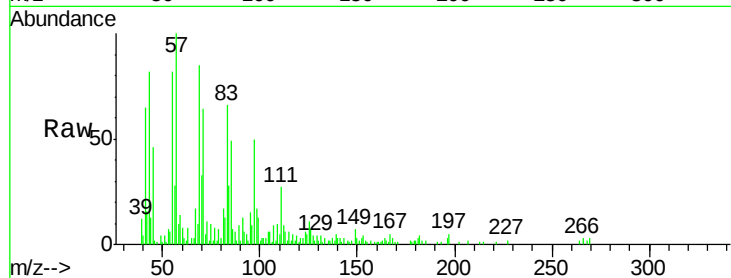
Tgt Ion:266 Resp: 772

Ion Ratio Lower Upper

266 100

268 58.4 53.2 79.8

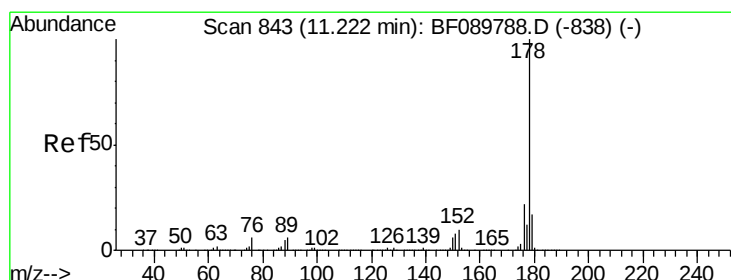
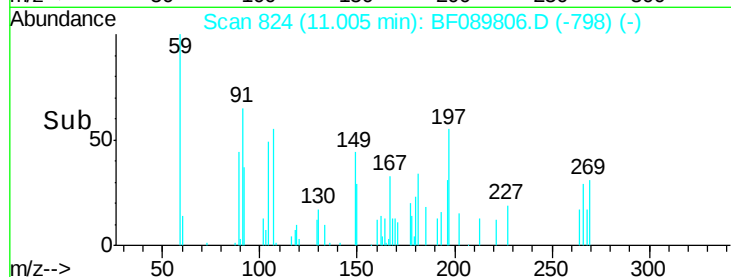
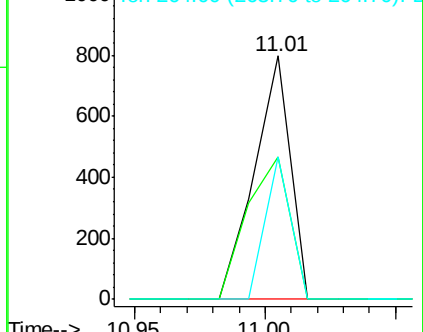
264 58.3 51.1 76.7



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 0.14 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

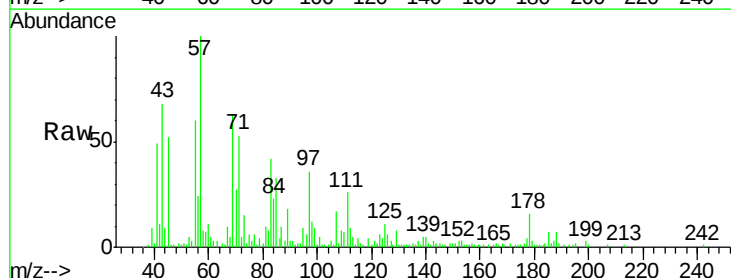
Tgt Ion:178 Resp: 9108

Ion Ratio Lower Upper

178 100

176 15.5 16.4 24.6#

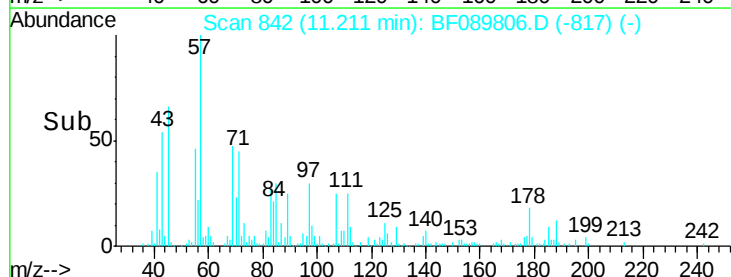
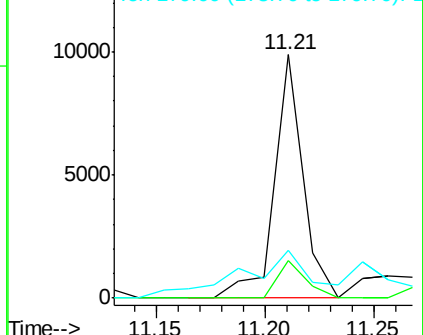
179 19.7 12.5 18.7#

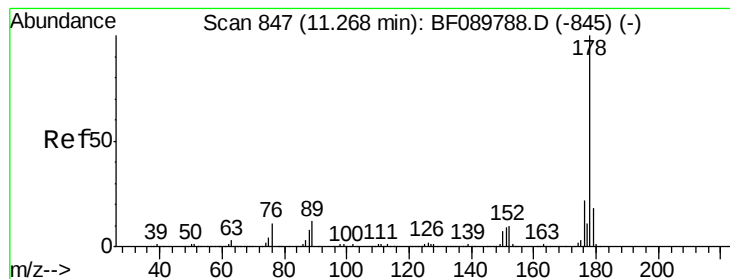


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.02 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

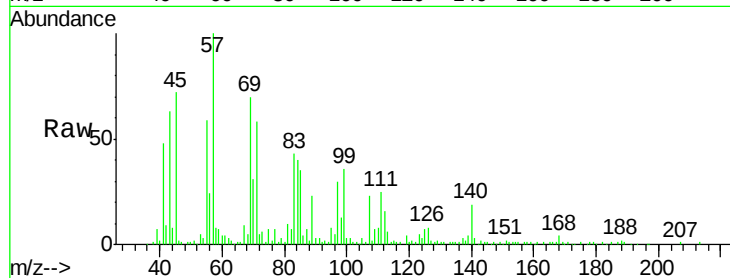
Tgt Ion:178 Resp: 1199

Ion Ratio Lower Upper

178 100

176 0.0 16.4 24.6#

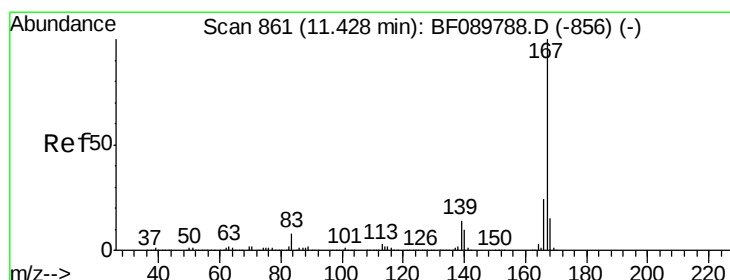
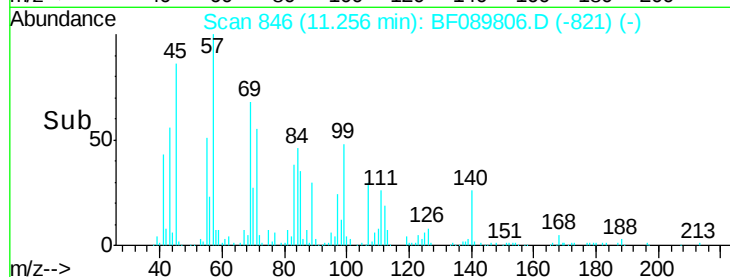
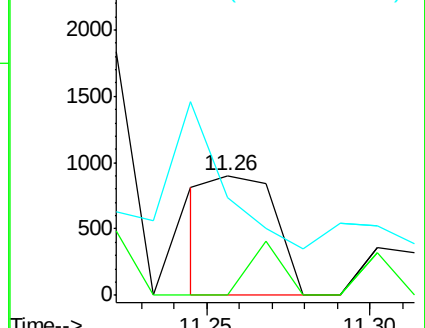
179 81.6 13.1 19.7#



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: 0.15 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

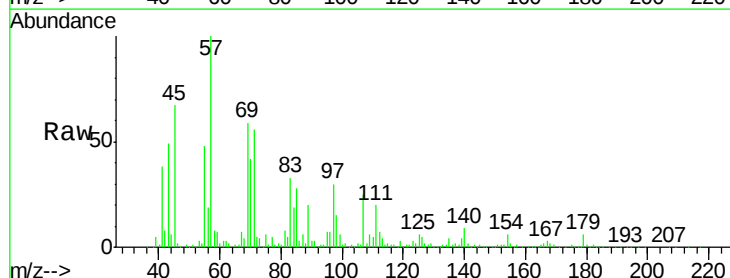
Tgt Ion:167 Resp: 8757

Ion Ratio Lower Upper

167 100

166 67.9 17.9 26.9#

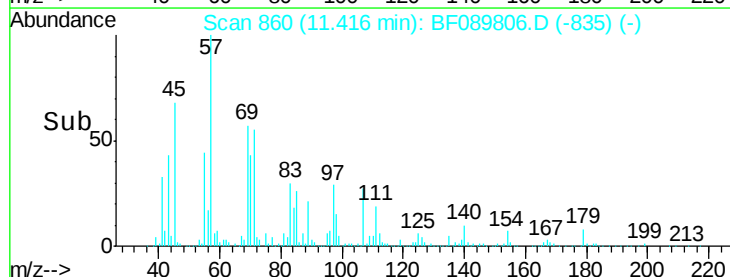
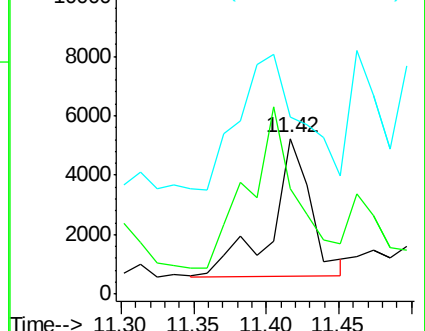
139 113.6 12.4 18.6#

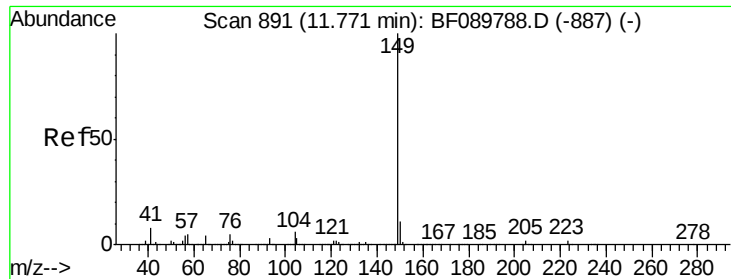


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.60 ng

RT: 11.77 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

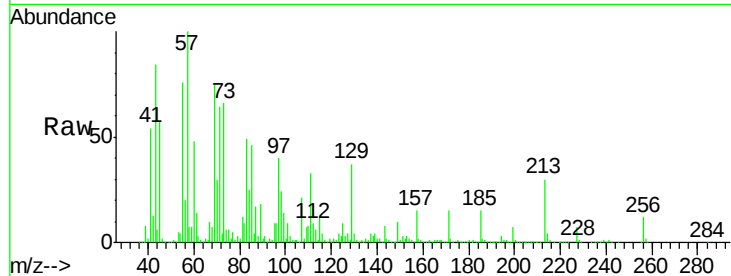
Tgt Ion:149 Resp: 45103

Ion Ratio Lower Upper

149 100

150 12.1 7.9 11.9#

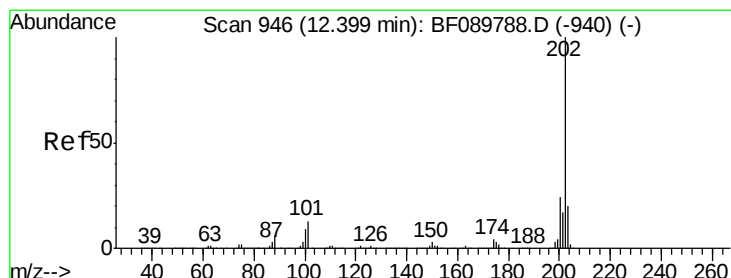
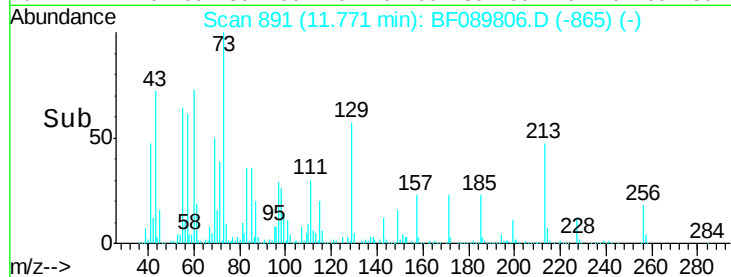
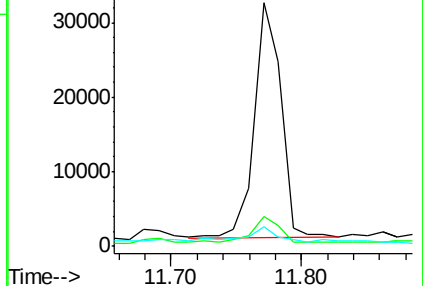
104 8.2 4.3 6.5#



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



#74

Fluoranthene

Concen: 0.08 ng

RT: 12.40 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

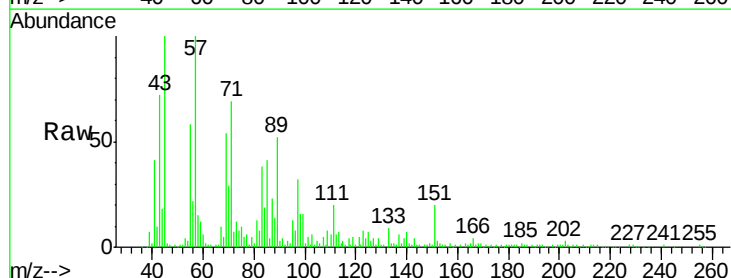
Tgt Ion:202 Resp: 4796

Ion Ratio Lower Upper

202 100

101 145.6 0.0 31.2#

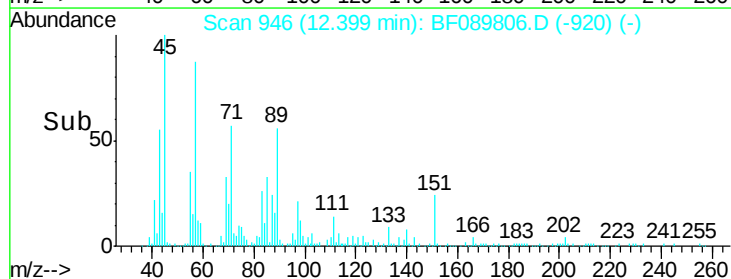
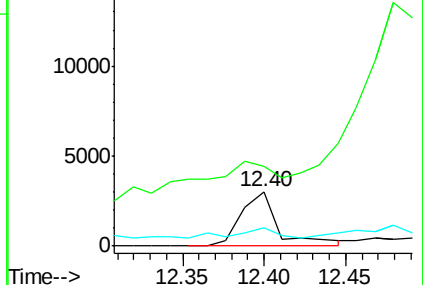
203 34.3 0.0 38.1

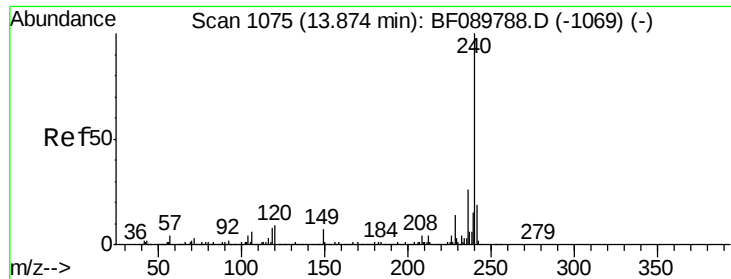


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

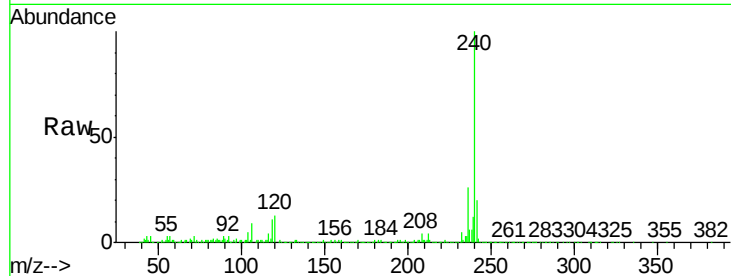
Tgt Ion:240 Resp: 947067

Ion Ratio Lower Upper

240 100

120 13.3 8.3 12.5#

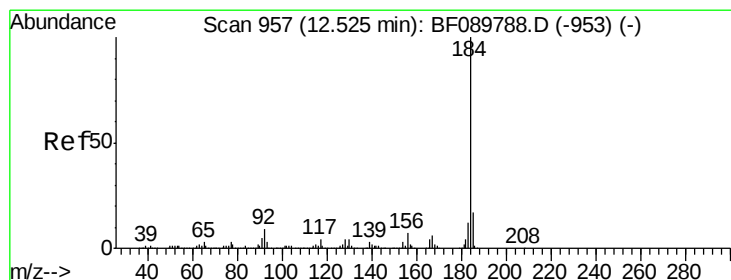
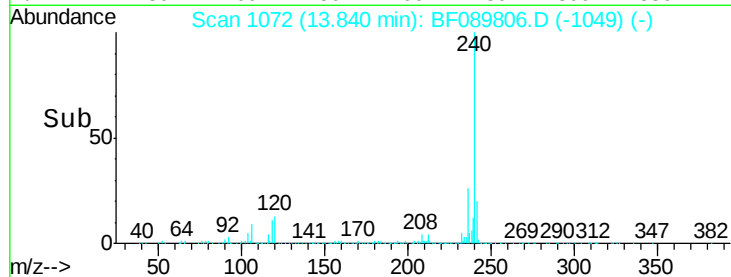
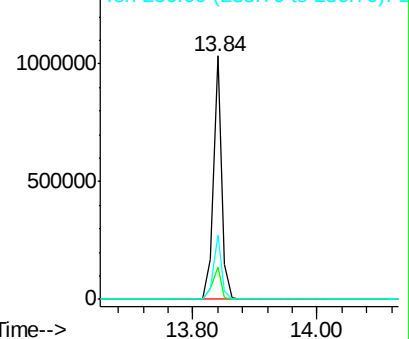
236 26.4 21.3 31.9



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



#76

Benzidine

Concen: 0.04 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.03 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

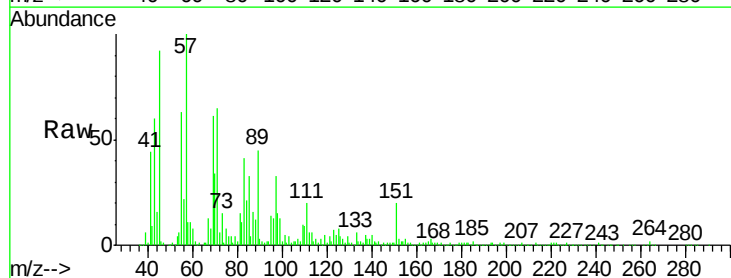
Tgt Ion:184 Resp: 1125

Ion Ratio Lower Upper

184 100

185 361.5 13.8 20.8#

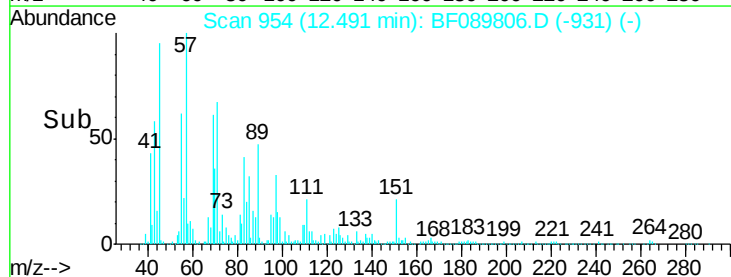
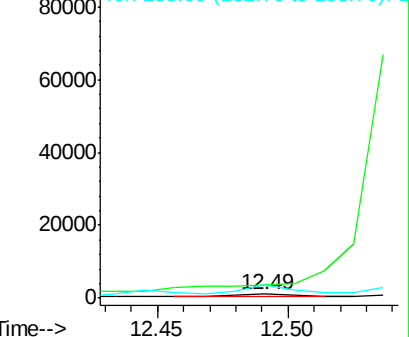
183 329.9 9.7 14.5#

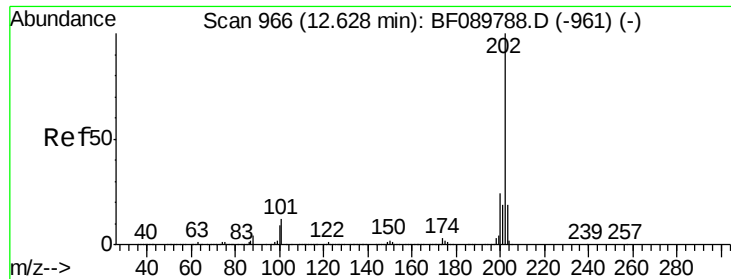


Abundance Ion 184.00 (183.70 to 184.70): E

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: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampled :

MANHOLE

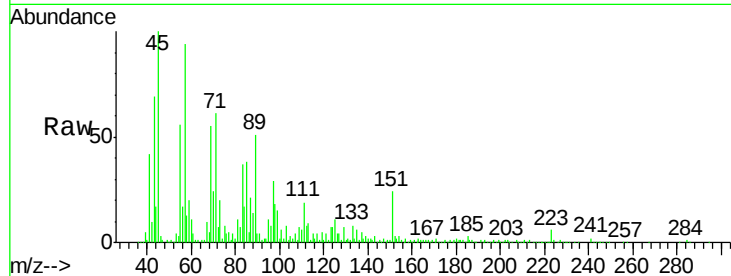
Tgt Ion:202 Resp: 3589

Ion Ratio Lower Upper

202 100

200 36.1 17.8 26.6#

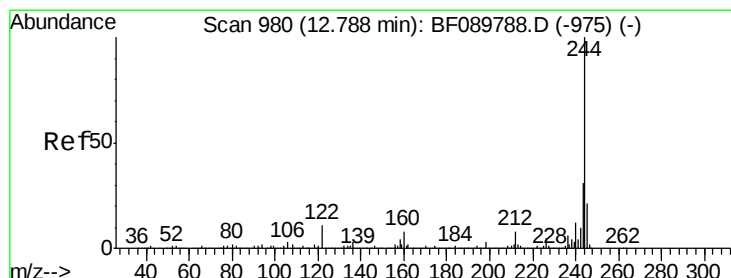
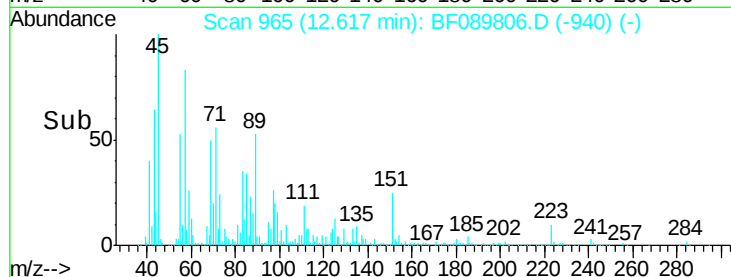
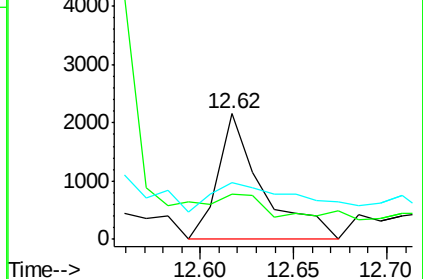
203 45.5 14.2 21.4#



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: 48.12 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

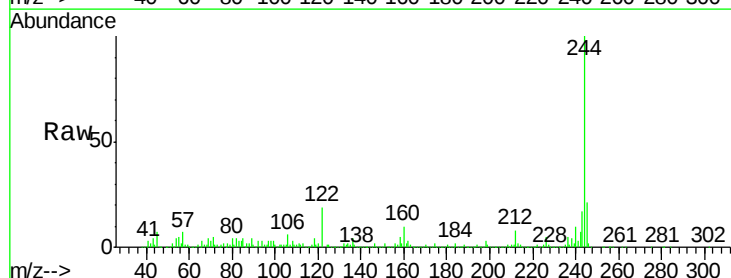
Tgt Ion:244 Resp: 2014282

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

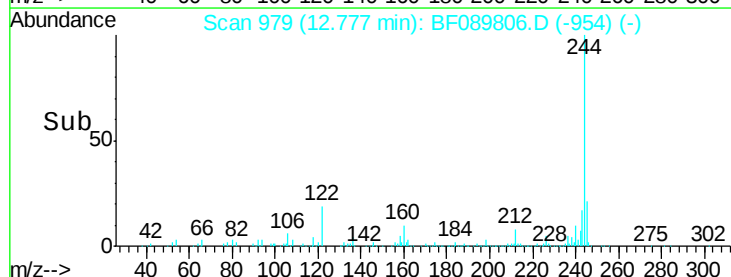
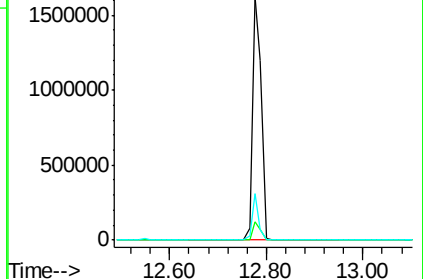
122 19.2 12.0 18.0#

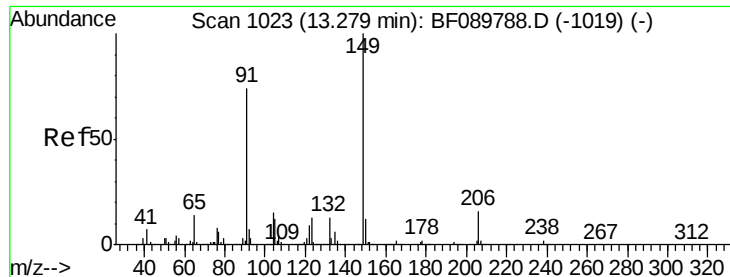


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.13 ng

RT: 13.27 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

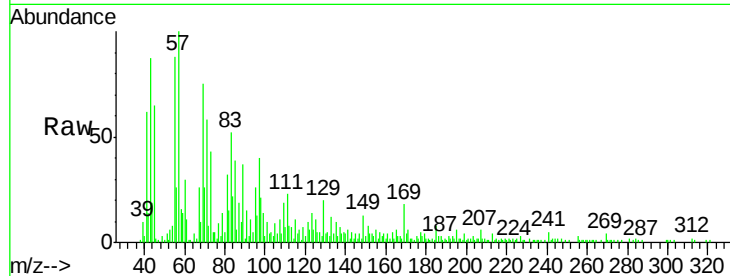
Tgt Ion:149 Resp: 4536

Ion Ratio Lower Upper

149 100

91 115.6 50.7 76.1#

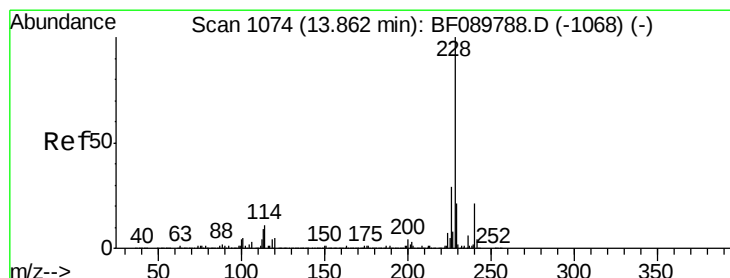
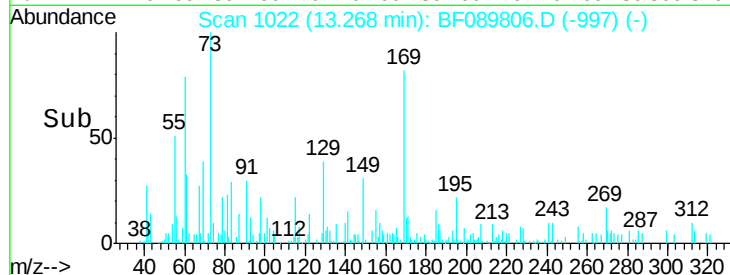
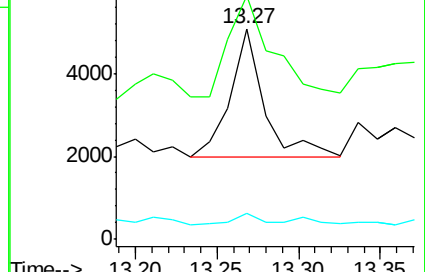
206 12.3 15.5 23.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.10 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.02 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

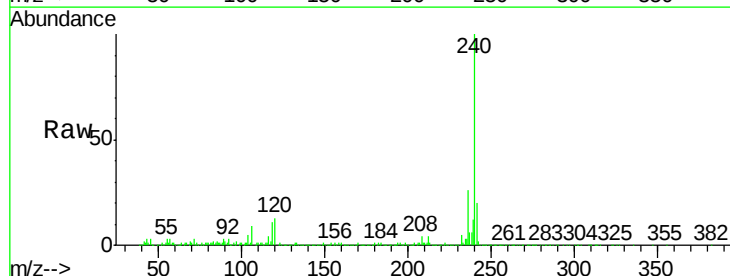
Tgt Ion:228 Resp: 5217

Ion Ratio Lower Upper

228 100

226 24.1 23.2 34.8

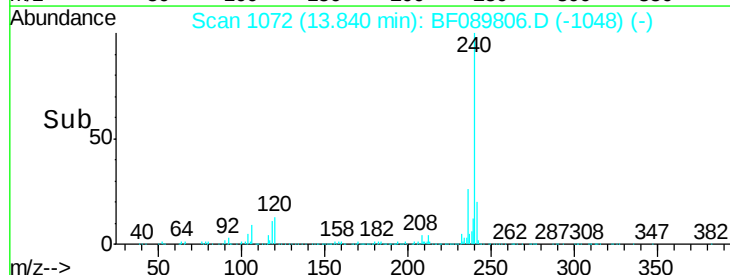
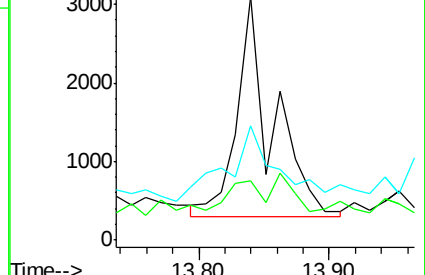
229 47.0 16.2 24.4#

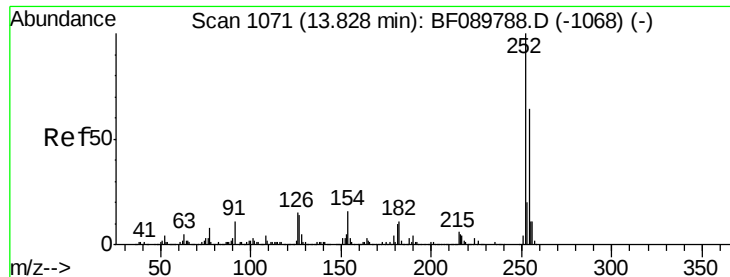


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

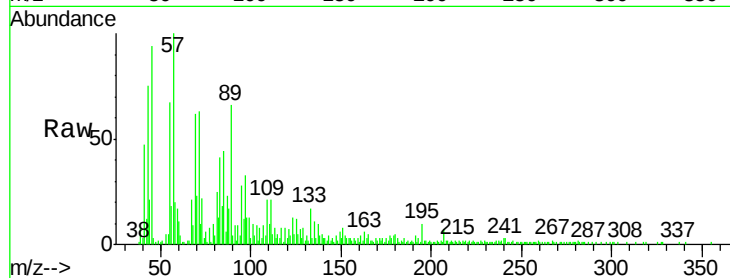




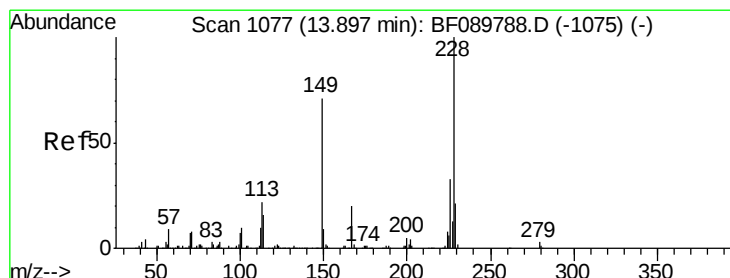
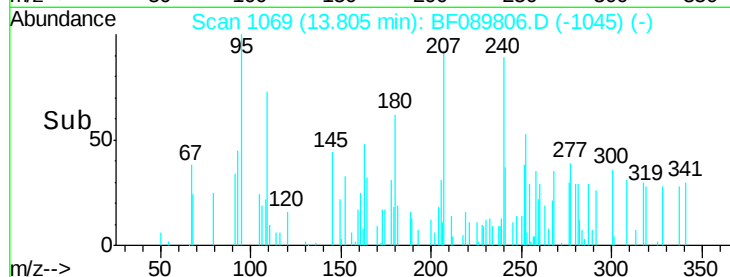
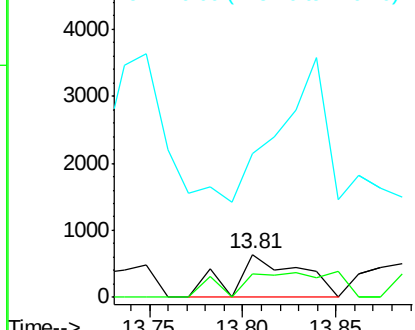
#81
 3,3'-Dichlorobenzidine
 Concen: 0.09 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Tgt Ion: 252 Resp: 1571
 Ion Ratio Lower Upper
 252 100
 254 53.6 50.6 75.8
 126 336.6 12.6 18.8#

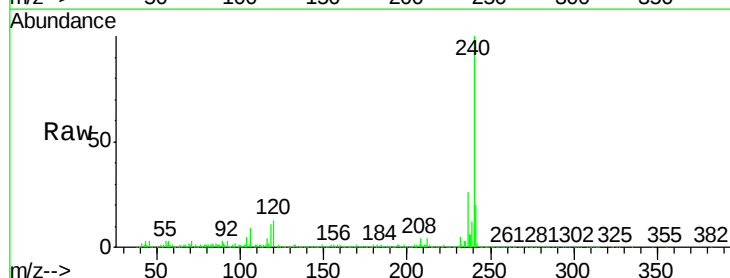


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

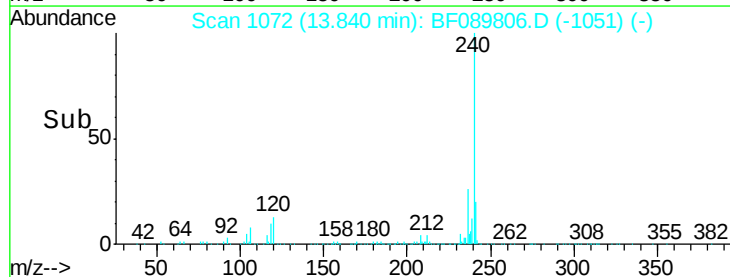
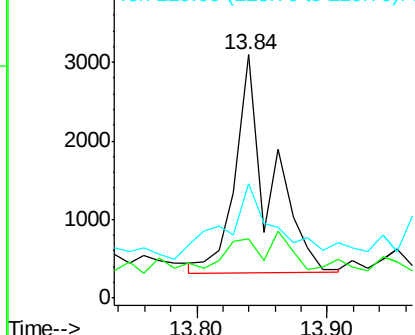


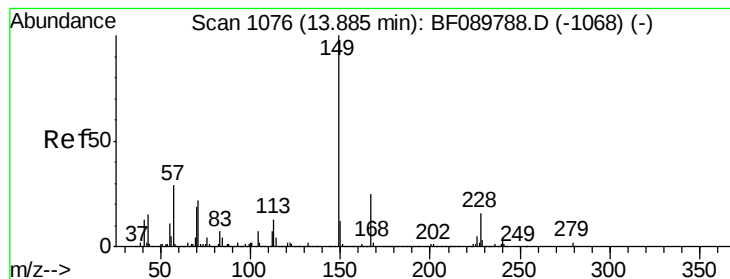
#82
 Chrysene
 Concen: 0.11 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.06 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion: 228 Resp: 5090
 Ion Ratio Lower Upper
 228 100
 226 24.1 25.4 38.0#
 229 47.0 16.5 24.7#



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 27.24 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.02 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

MANHOLE

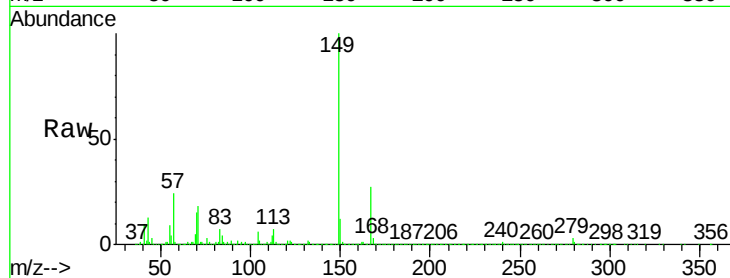
Tgt Ion:149 Resp: 1306989

Ion Ratio Lower Upper

149 100

167 27.1 21.2 31.8

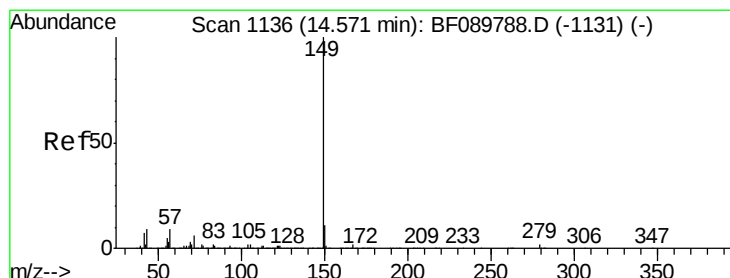
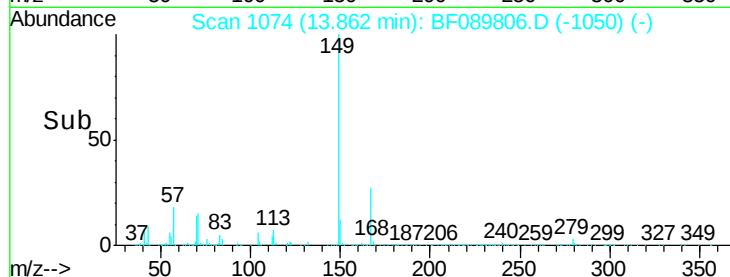
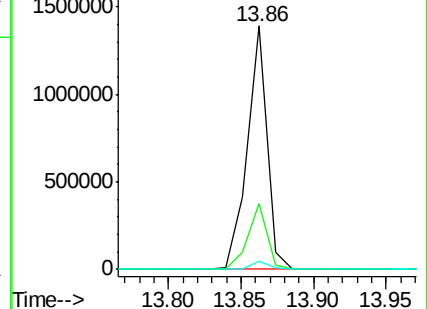
279 3.2 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.30 ng

RT: 14.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

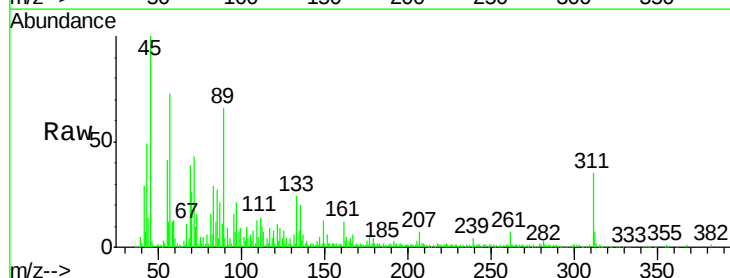
Tgt Ion:149 Resp: 19357

Ion Ratio Lower Upper

149 100

167 29.9 1.2 1.8#

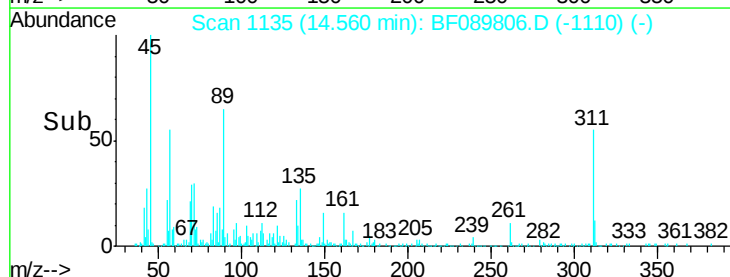
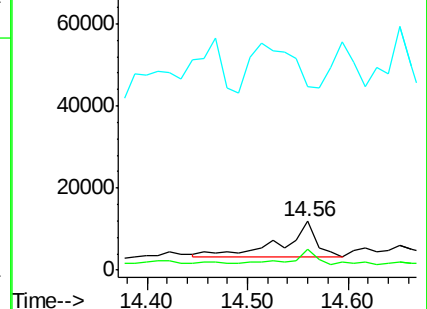
43 0.0 8.4 12.6#

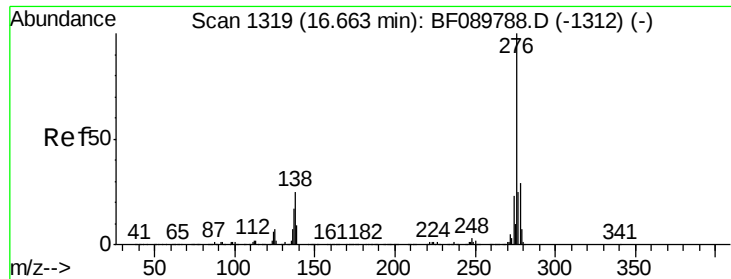


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

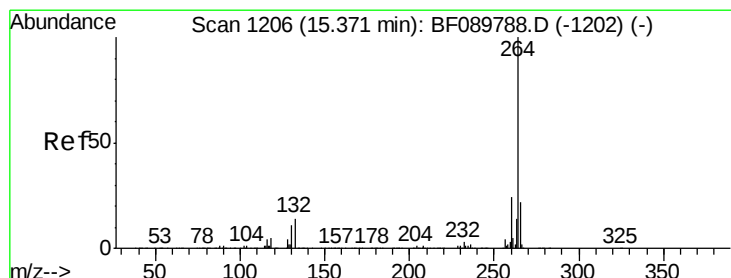
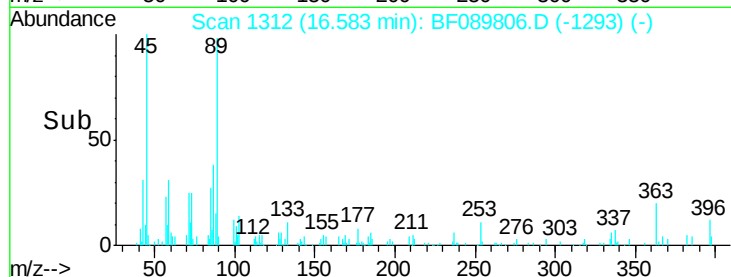
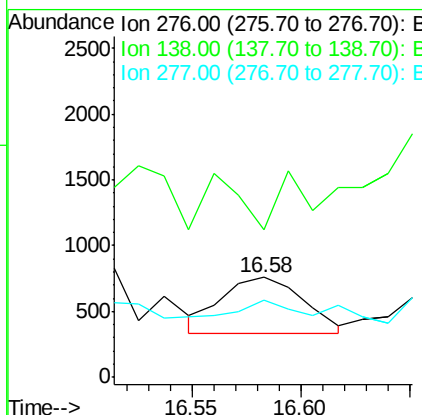
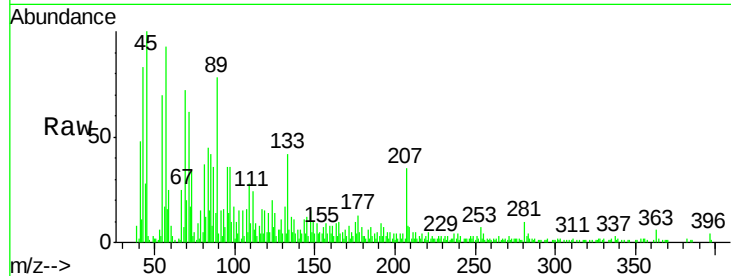




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.02 ng
 RT: 16.58 min Scan# 1312
 Delta R.T. -0.08 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

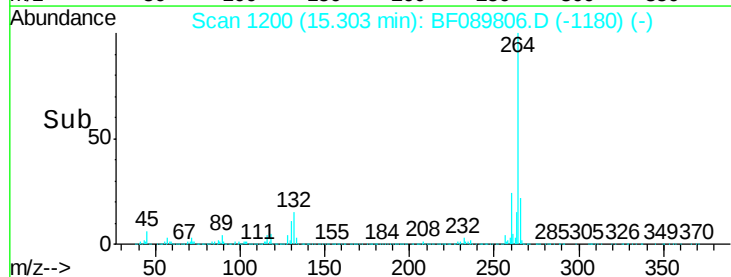
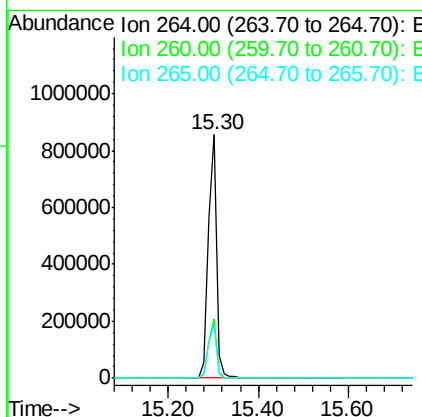
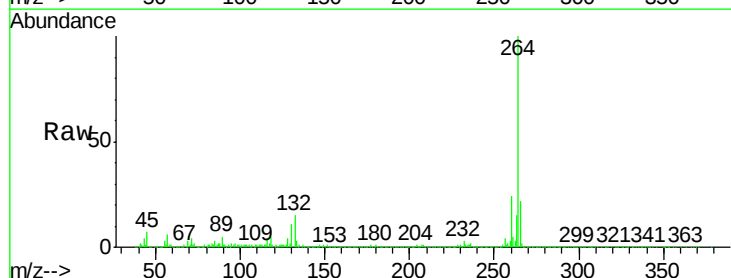
Instrument :
 BNA_F
 ClientSampled :
 MANHOLE

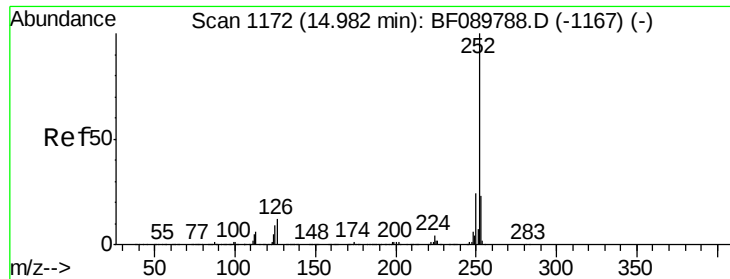
Tgt Ion: 276 Resp: 1125
 Ion Ratio Lower Upper
 276 100
 138 0.0 24.6 36.8#
 277 0.0 20.4 30.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1200
 Delta R.T. -0.07 min
 Lab File: BF089806.D
 Acq: 19 Aug 2016 20:00

Tgt Ion: 264 Resp: 1089314
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.2 30.2
 265 22.0 17.4 26.2





#87

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 14.91 min Scan# 1166

Delta R.T. -0.07 min

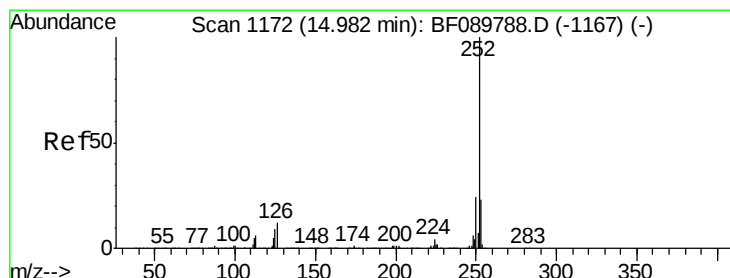
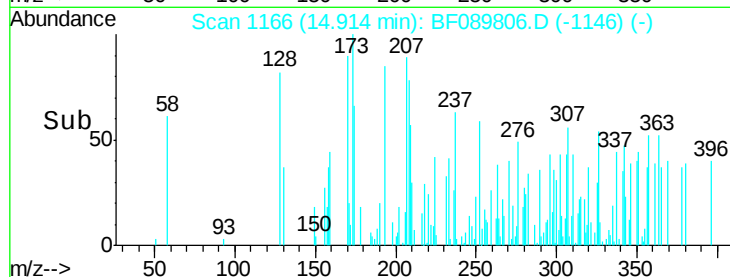
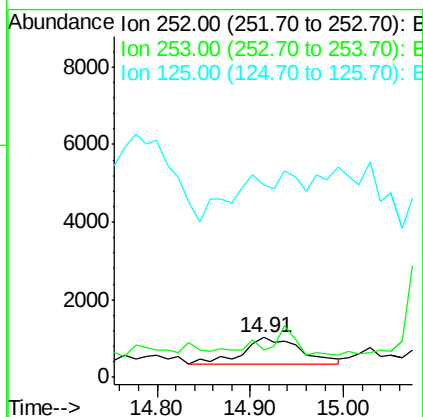
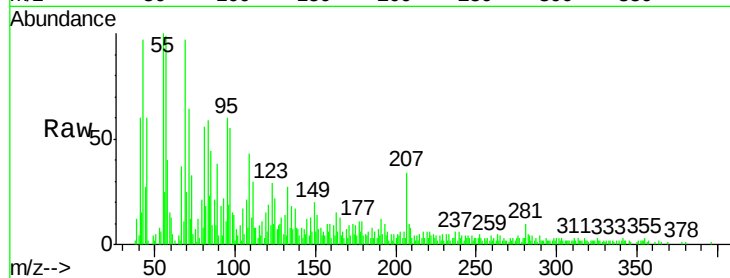
Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion: 252 Resp: 2849

Ion	Ratio	Lower	Upper
252	100		
253	67.5	17.8	26.8#
125	483.6	11.4	17.2#



#88

Benzo(k)fluoranthene

Concen: 0.05 ng

RT: 14.91 min Scan# 1166

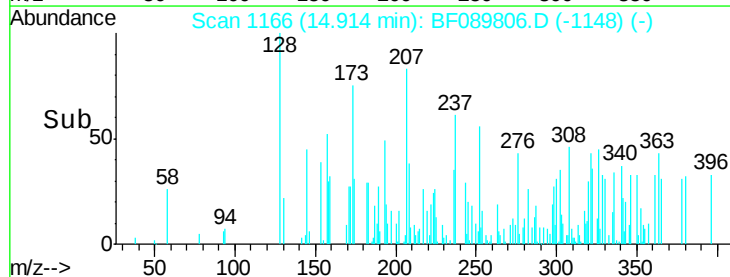
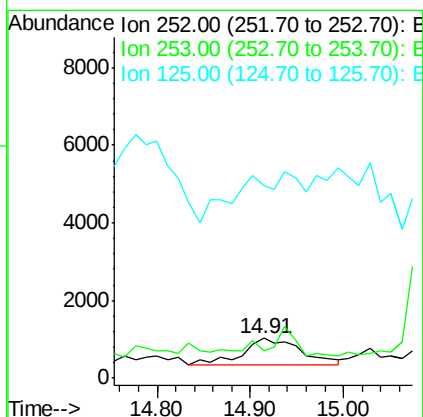
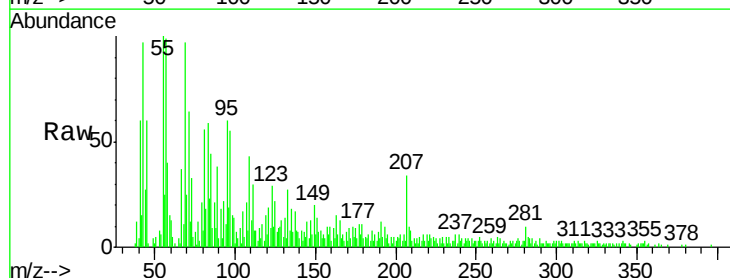
Delta R.T. -0.09 min

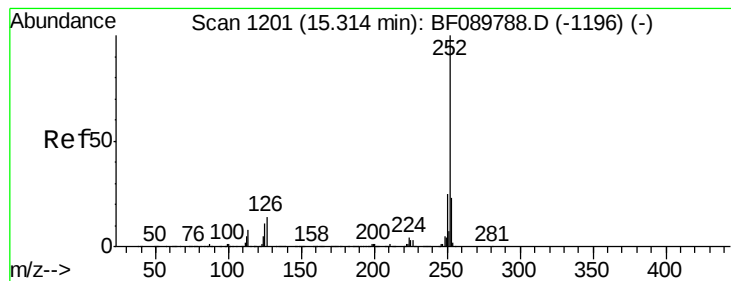
Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Tgt Ion: 252 Resp: 2849

Ion	Ratio	Lower	Upper
252	100		
253	67.5	18.4	27.6#
125	483.6	9.8	14.6#





#89

Benzo(a)pyrene

Concen: 0.01 ng

RT: 15.26 min Scan# 1196

Delta R.T. -0.06 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

Instrument :

BNA_F

ClientSampled :

MANHOLE

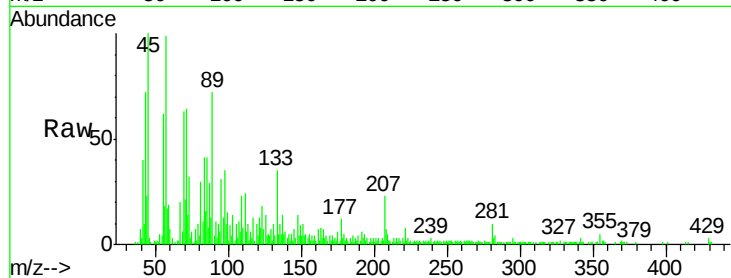
Tgt Ion: 252 Resp: 791

Ion Ratio Lower Upper

252 100

253 117.9 17.8 26.8#

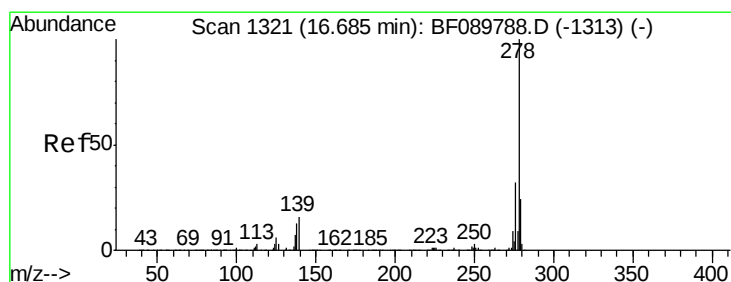
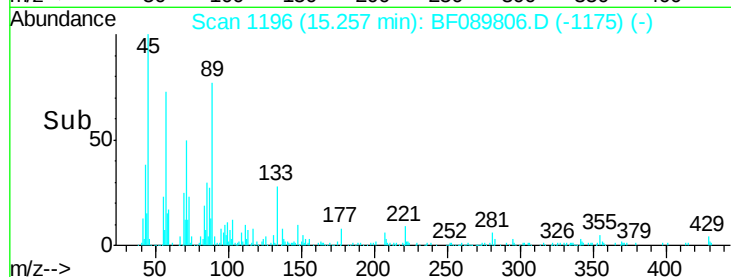
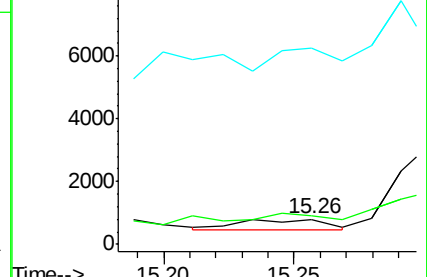
125 793.8 11.7 17.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 16.61 min Scan# 1314

Delta R.T. -0.08 min

Lab File: BF089806.D

Acq: 19 Aug 2016 20:00

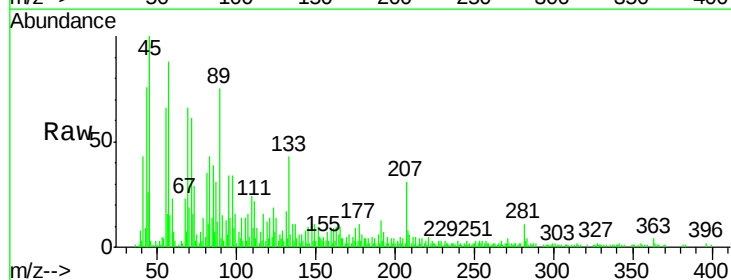
Tgt Ion: 278 Resp: 1641

Ion Ratio Lower Upper

278 100

139 351.4 14.9 22.3#

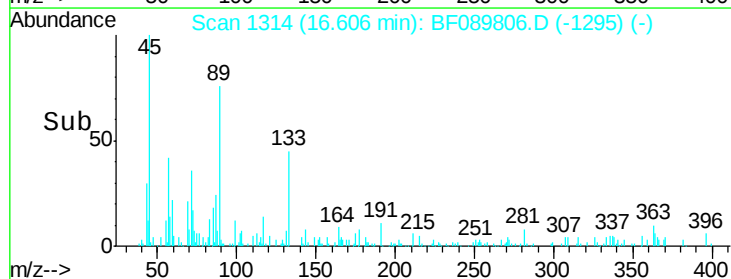
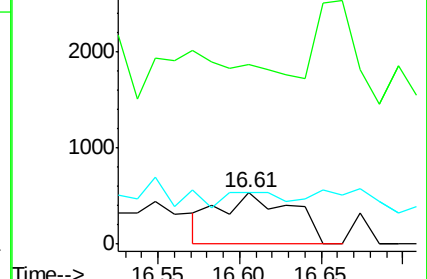
279 100.0 19.2 28.8#

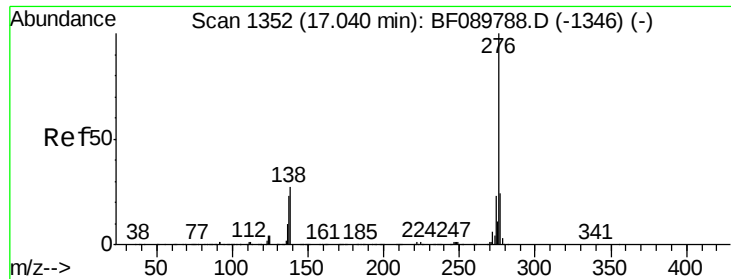


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 16.96 min Scan# 1345
Delta R.T. -0.08 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	88.3	19.2	28.8#
138	215.5	22.1	33.1#

