Quantitation Report (Not Reviewed)

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

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)
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

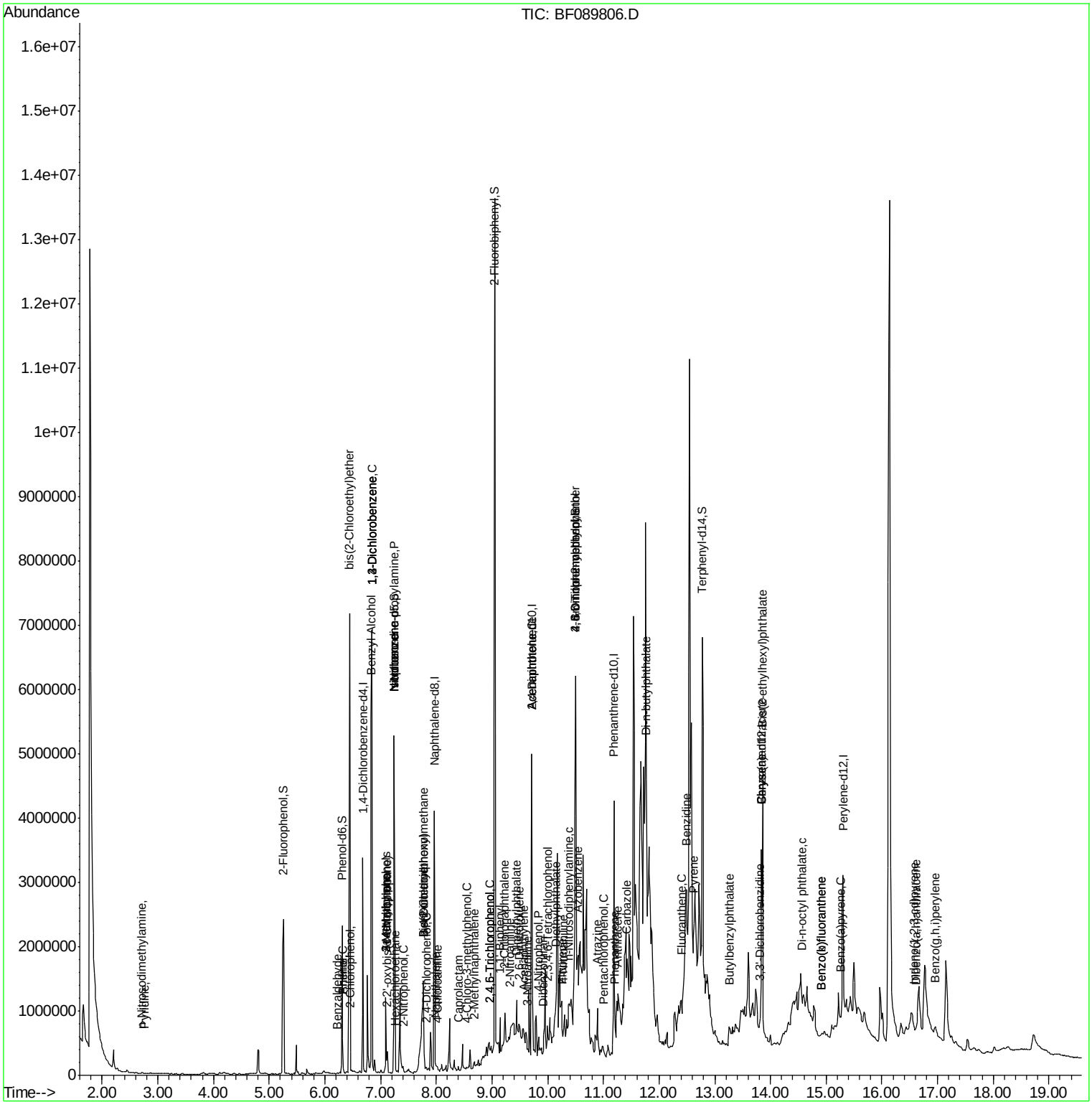
(#) = qualifier out of range (m) = manual integration (+) = signals summed

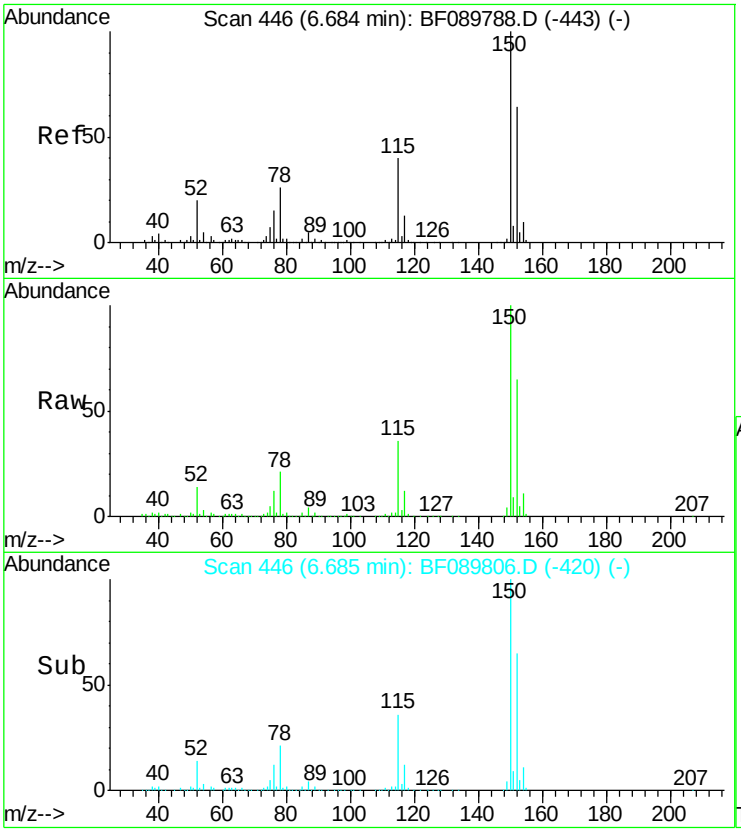
Quantitation Report (Not Reviewed)

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



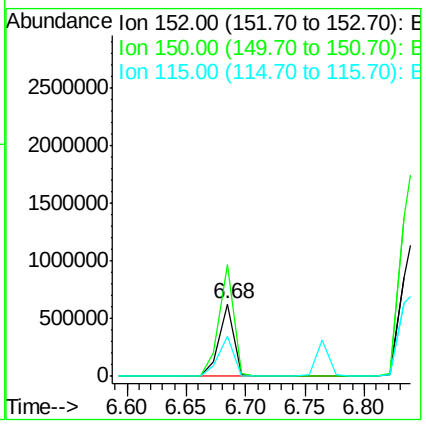


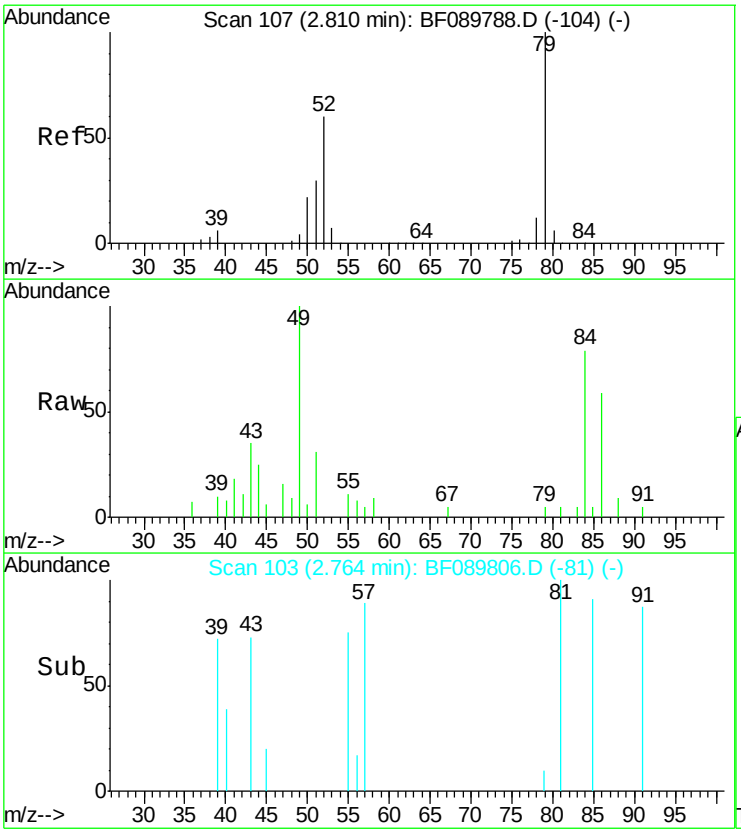
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

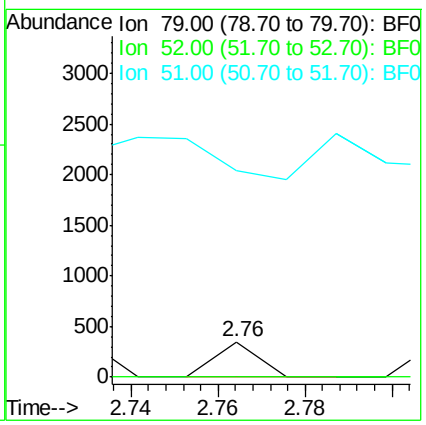


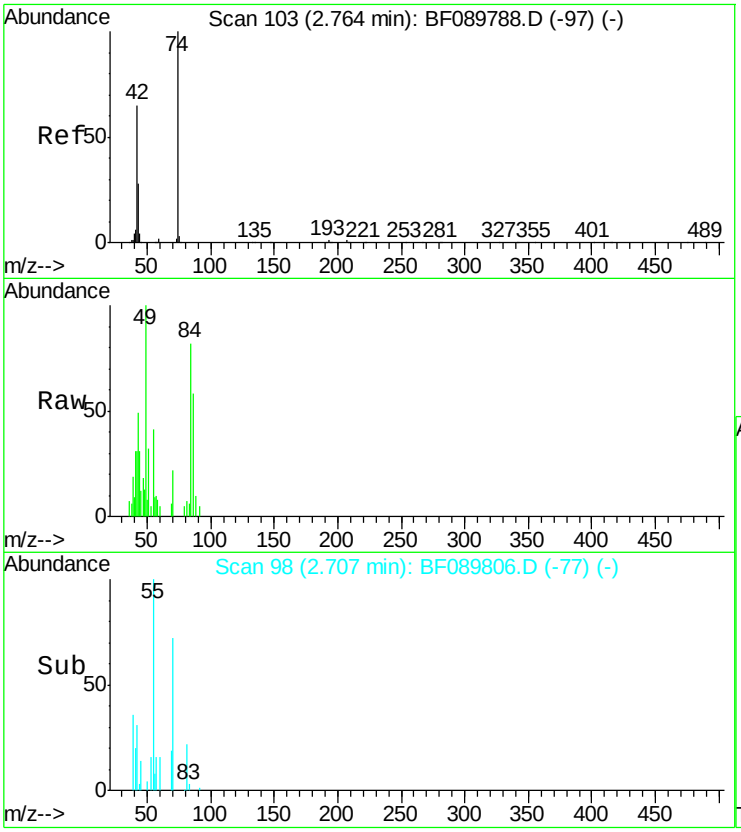


#3
Pyridine
Concen: 0.01 ng
RT: 2.76 min Scan# 103
Delta R.T. -0.05 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



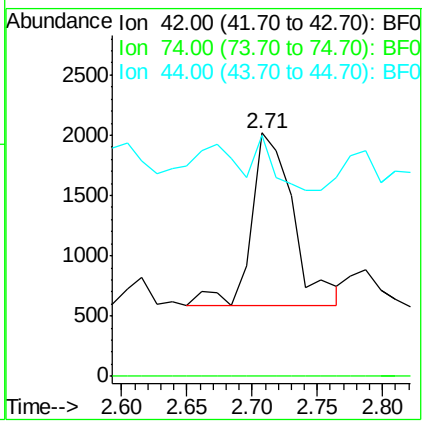


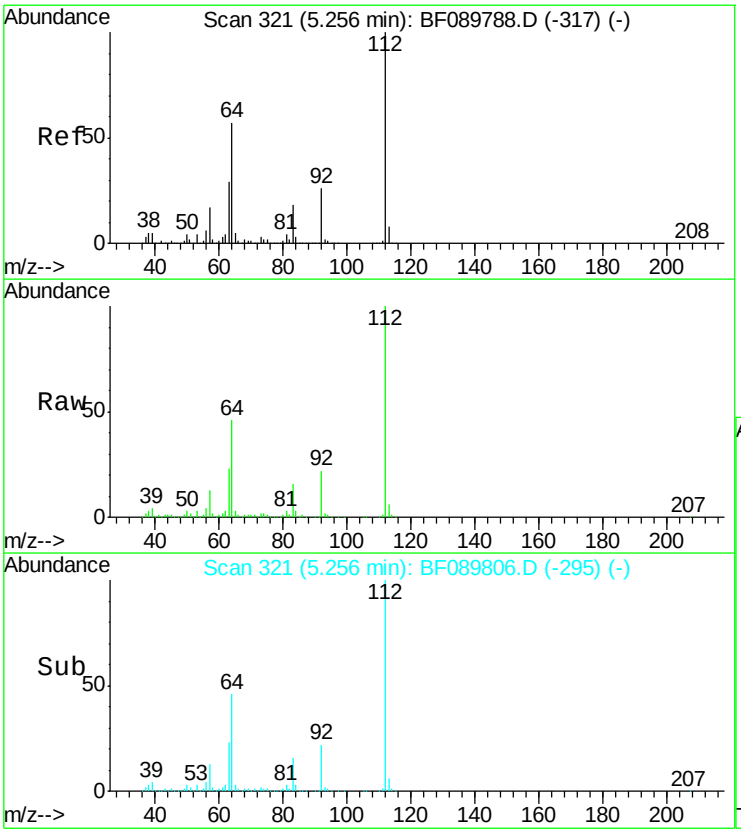
#4
n-Nitrosodimethylamine
Concen: 0.22 ng
RT: 2.71 min Scan# 98
Delta R.T. -0.06 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

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#

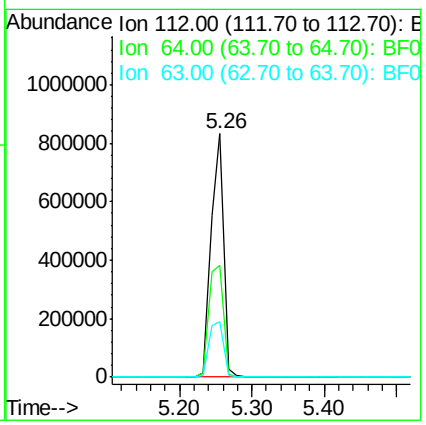


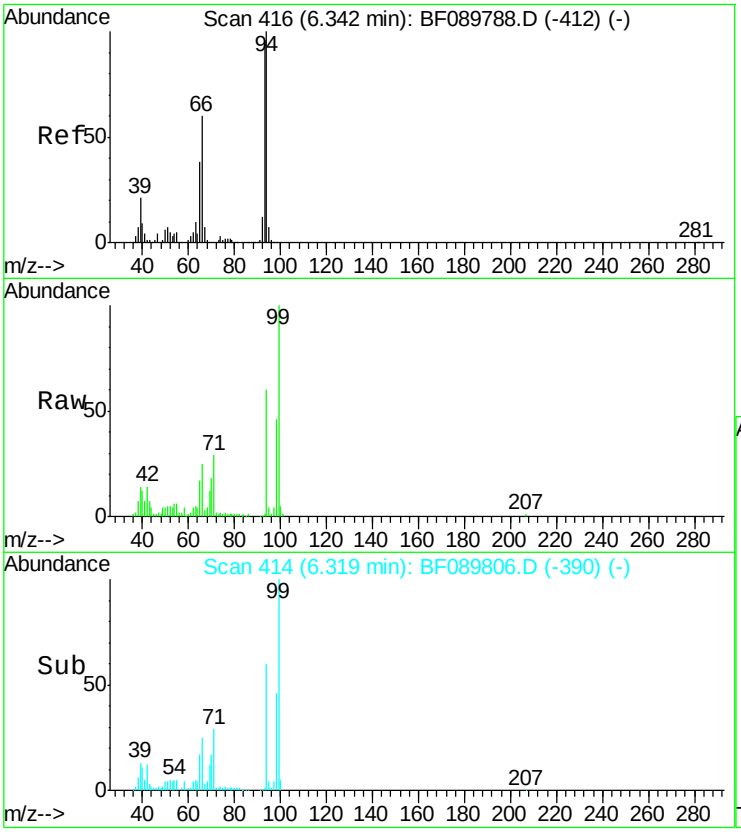


#5
2-Fluorophenol
Concen: 32.28 ng
RT: 5.26 min Scan# 321
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



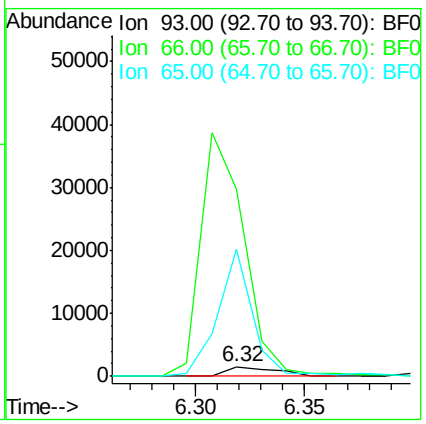


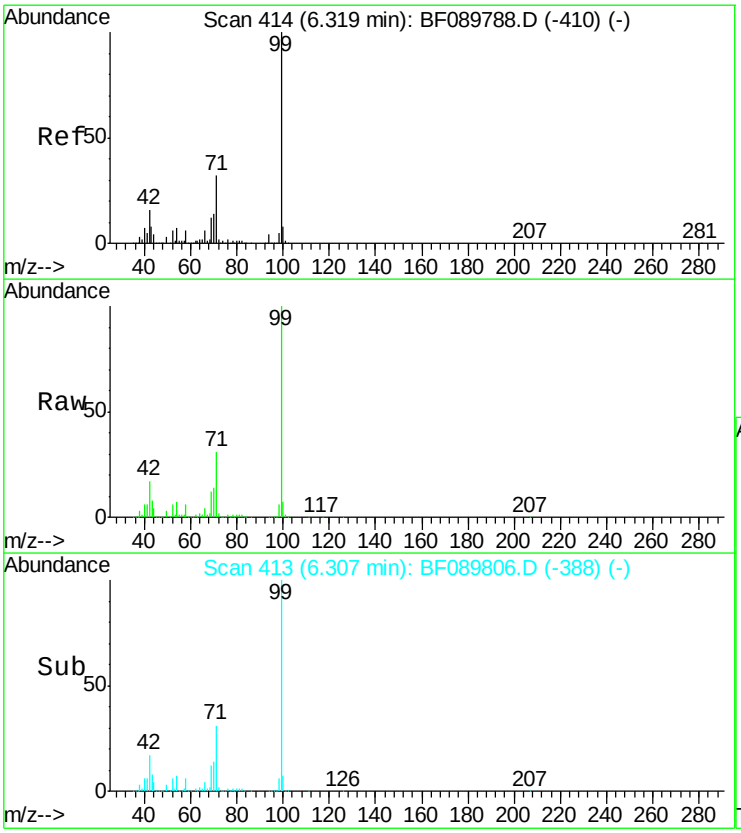
#6
Aniline
Concen: 0.05 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
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#

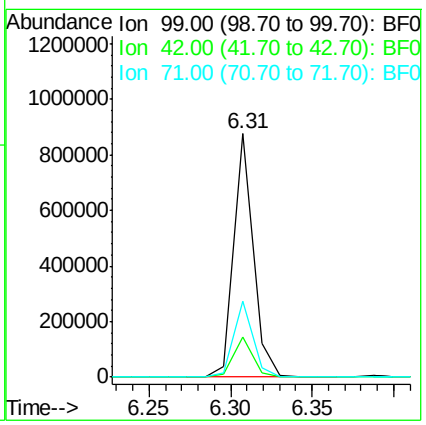


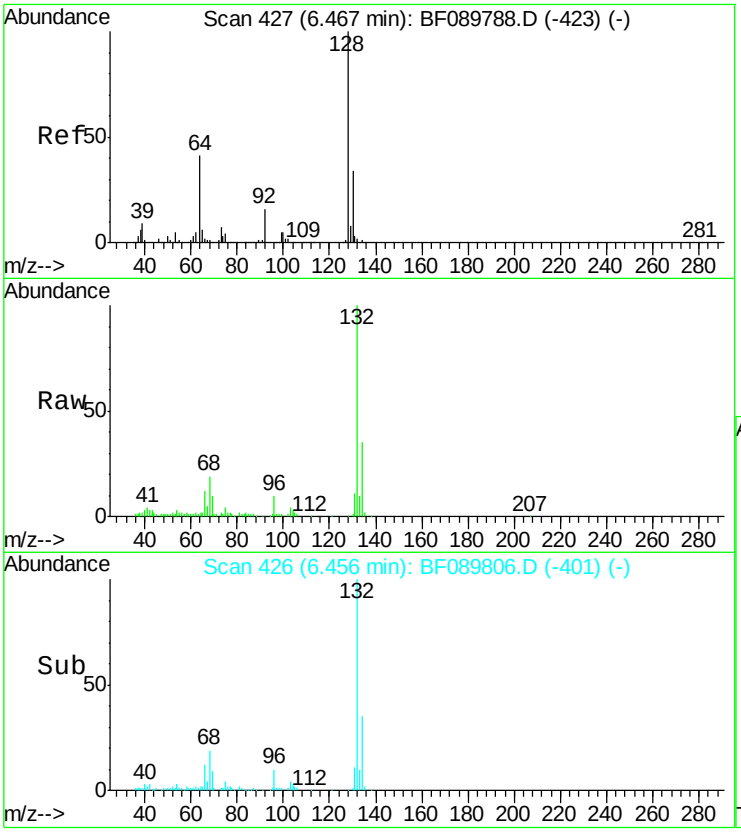


#7
Phenol-d6
Concen: 19.08 ng
RT: 6.31 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



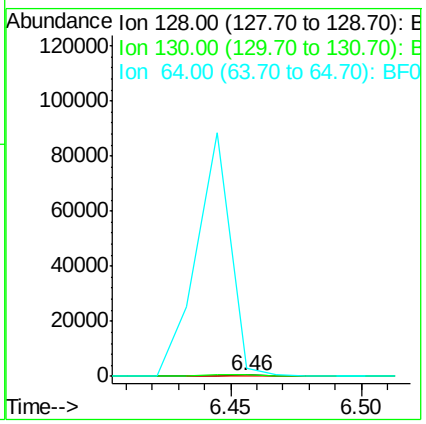


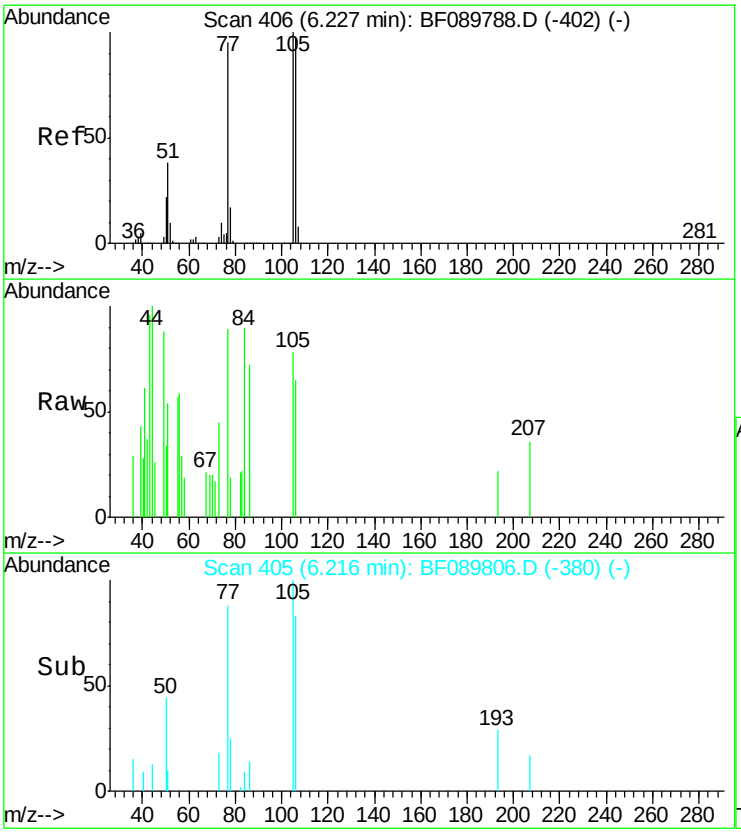
#8
2-Chlorophenol
Concen: 0.02 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

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#

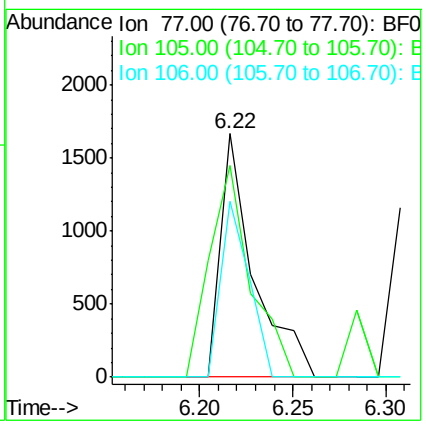


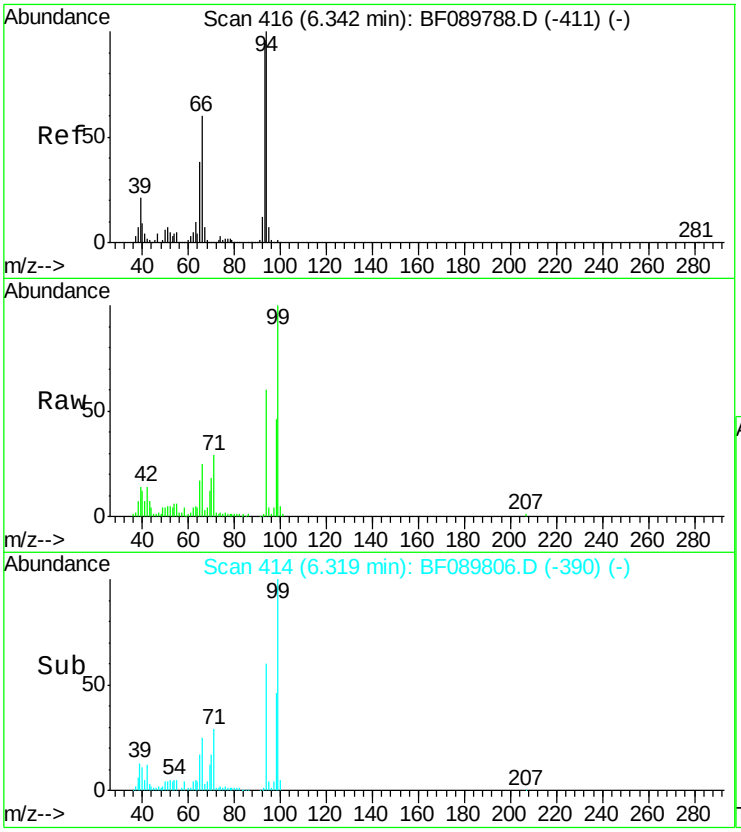


#9
Benzaldehyde
Concen: 0.09 ng
RT: 6.22 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



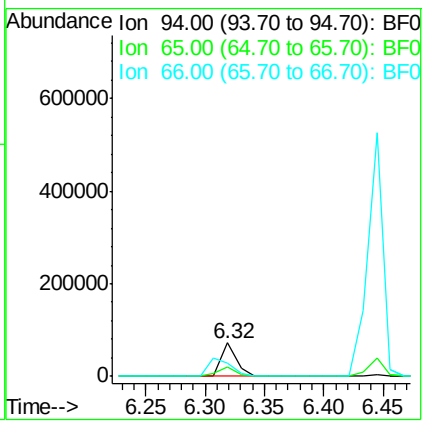


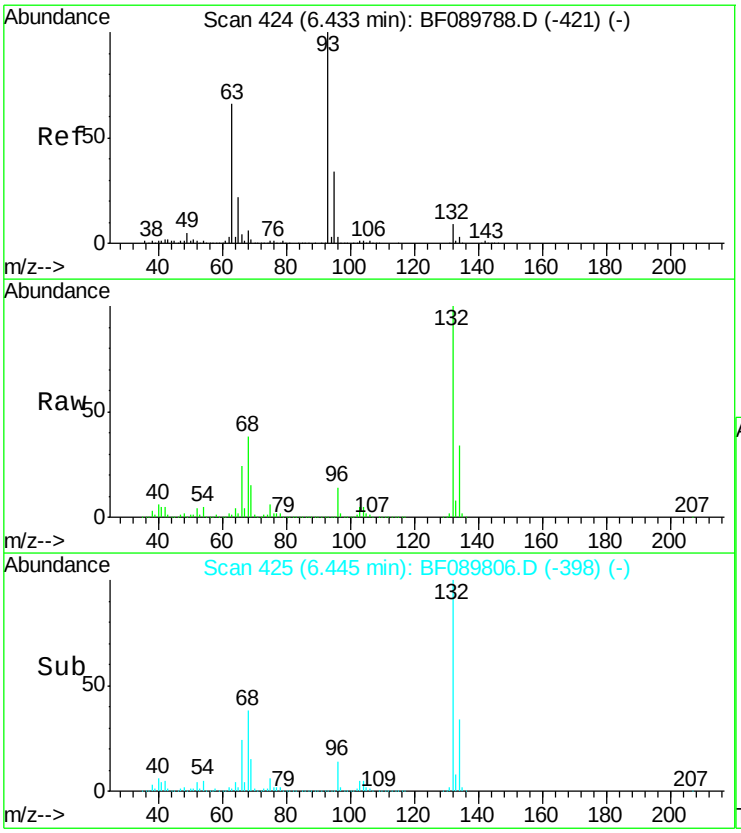
#10
Phenol
Concen: 1.47 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

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

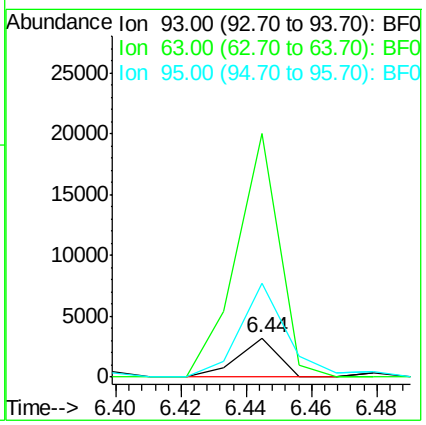


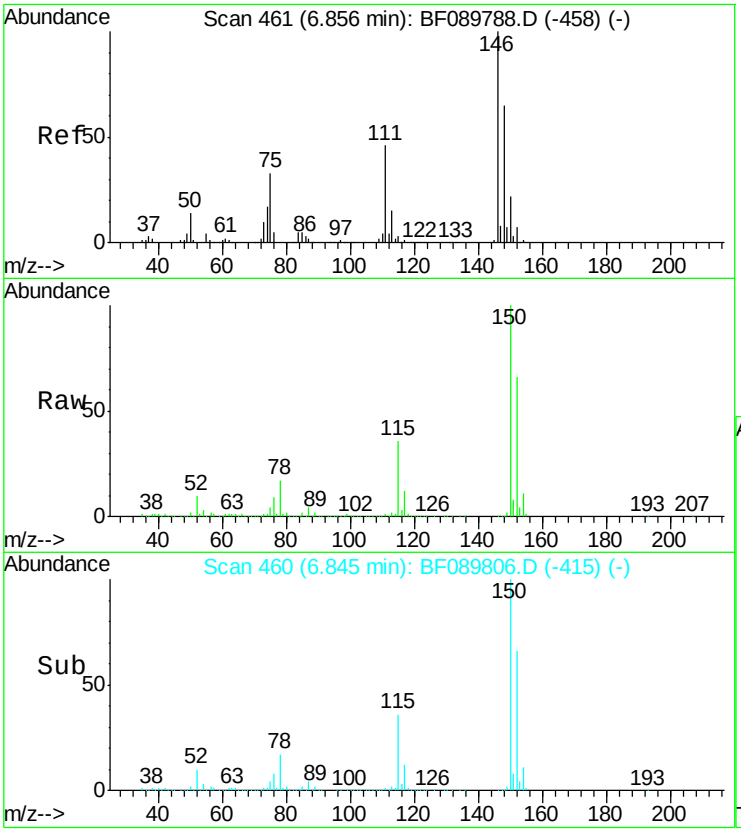


#11
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 6.44 min Scan# 425
Delta R.T. 0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



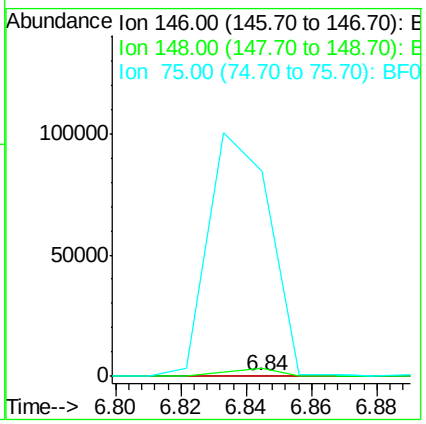


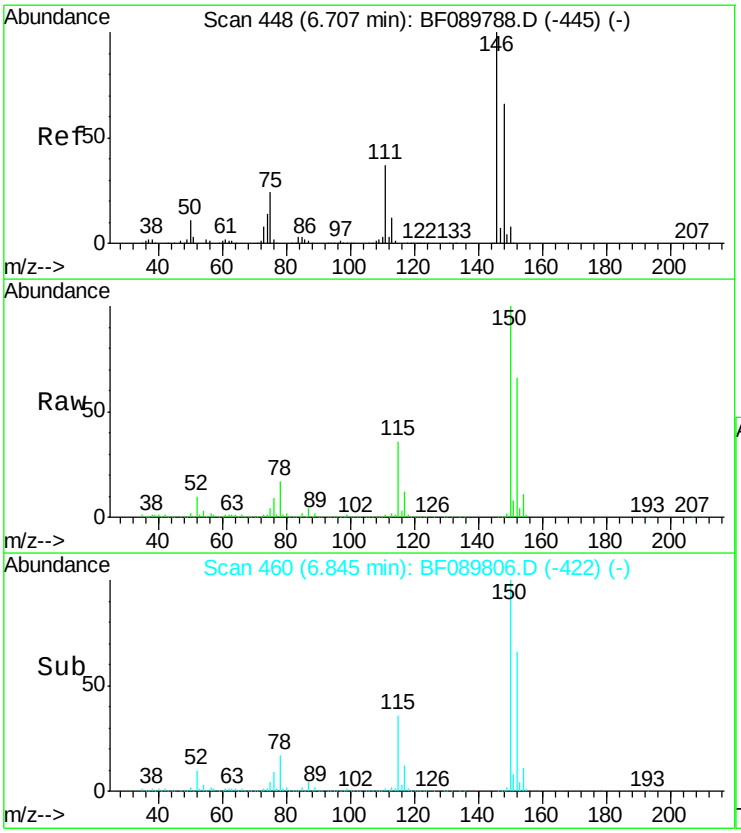
#12
1,3-Dichlorobenzene
Concen: 0.01 ng
RT: 6.84 min Scan# 460
Delta R.T. 0.22 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
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#

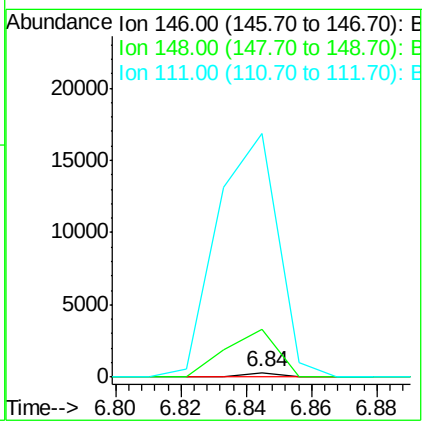


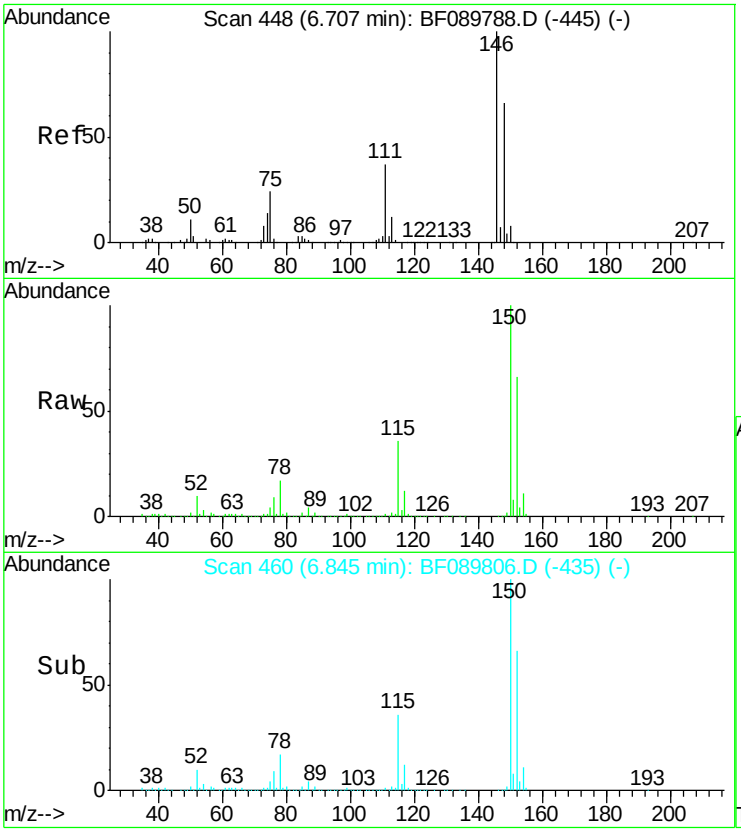


#13
1,4-Dichlorobenzene
Concen: 0.01 ng
RT: 6.84 min Scan# 460
Delta R.T. 0.14 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



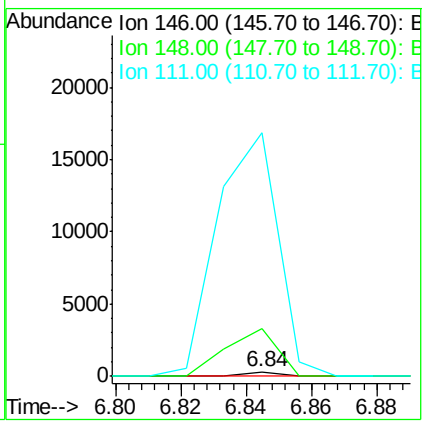


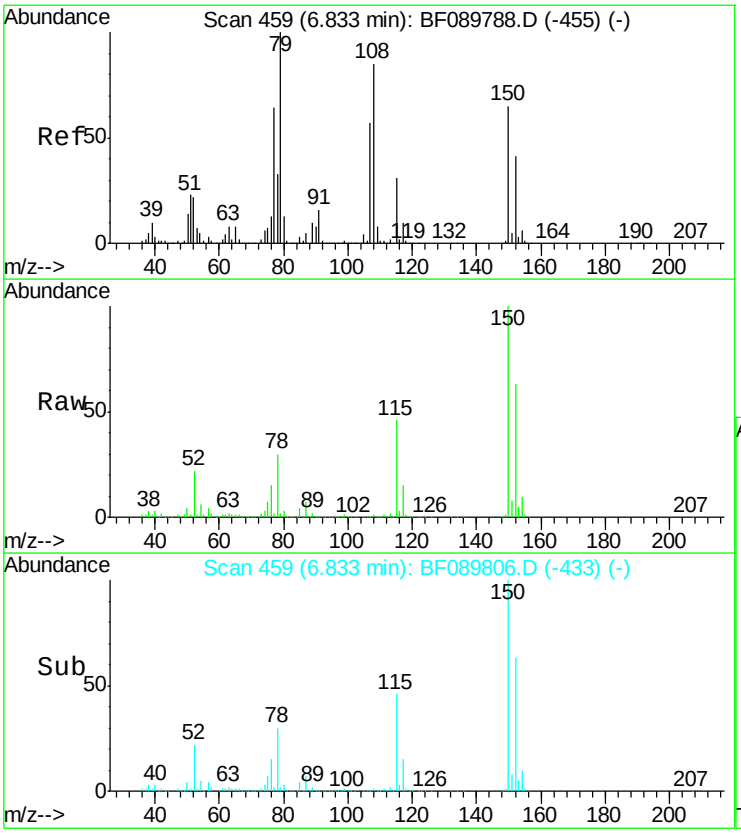
#14
1,2-Dichlorobenzene
Concen: 0.01 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

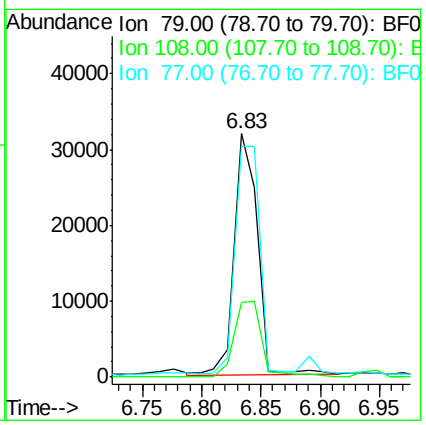


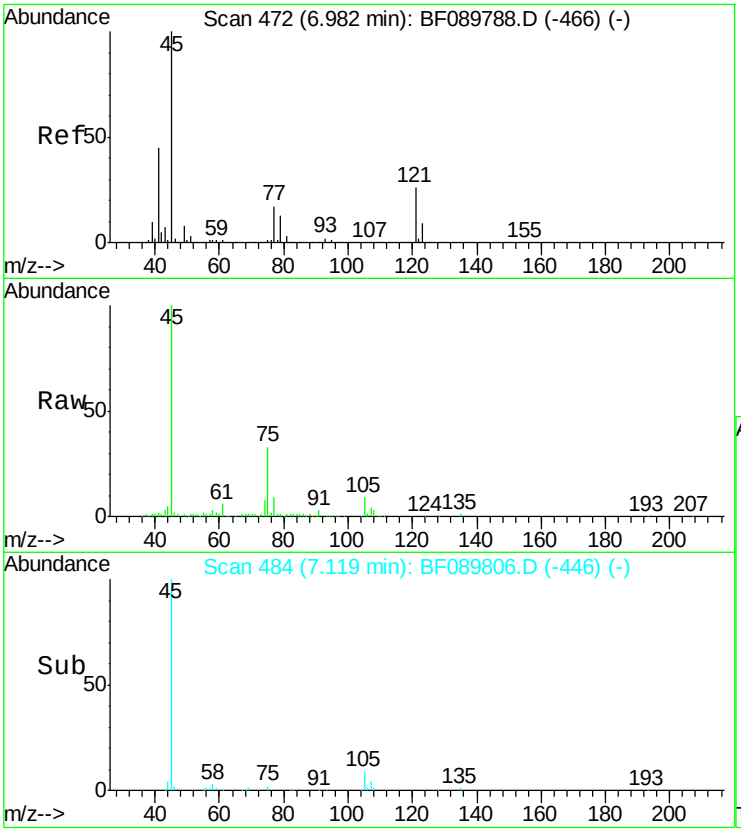


#15
Benzyl Alcohol
Concen: 1.72 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



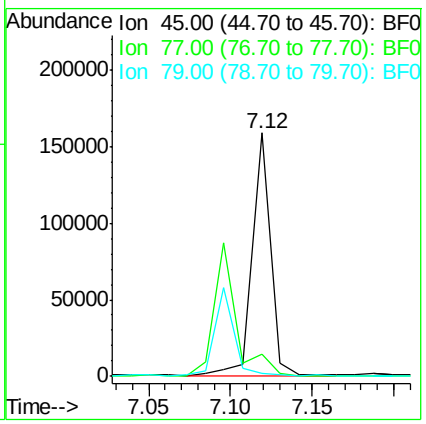


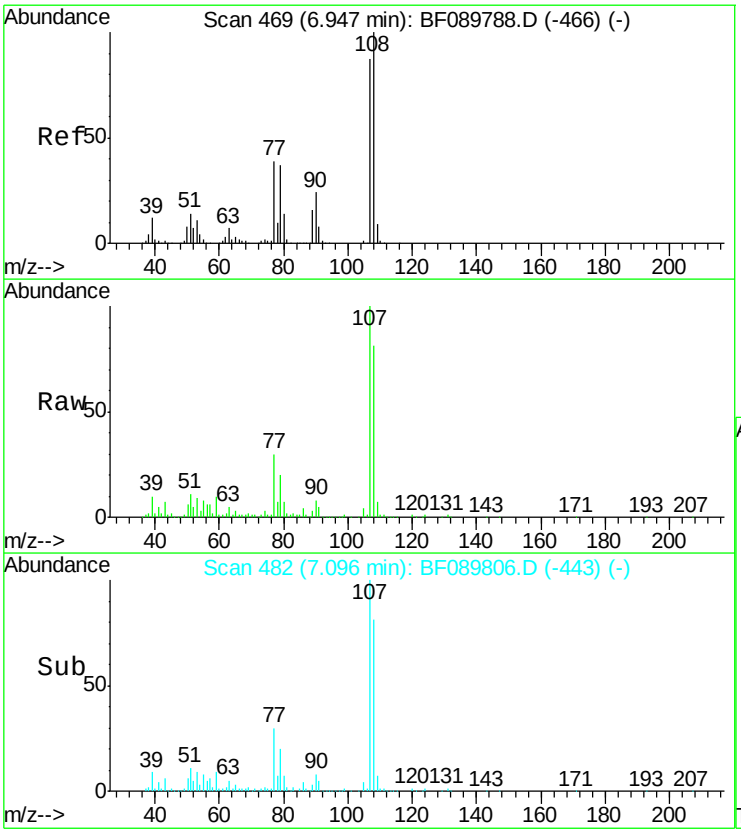
#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.84 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.14 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

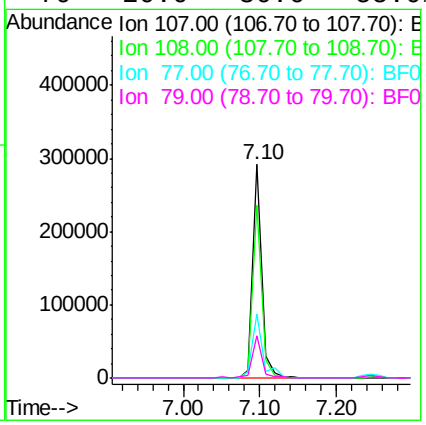


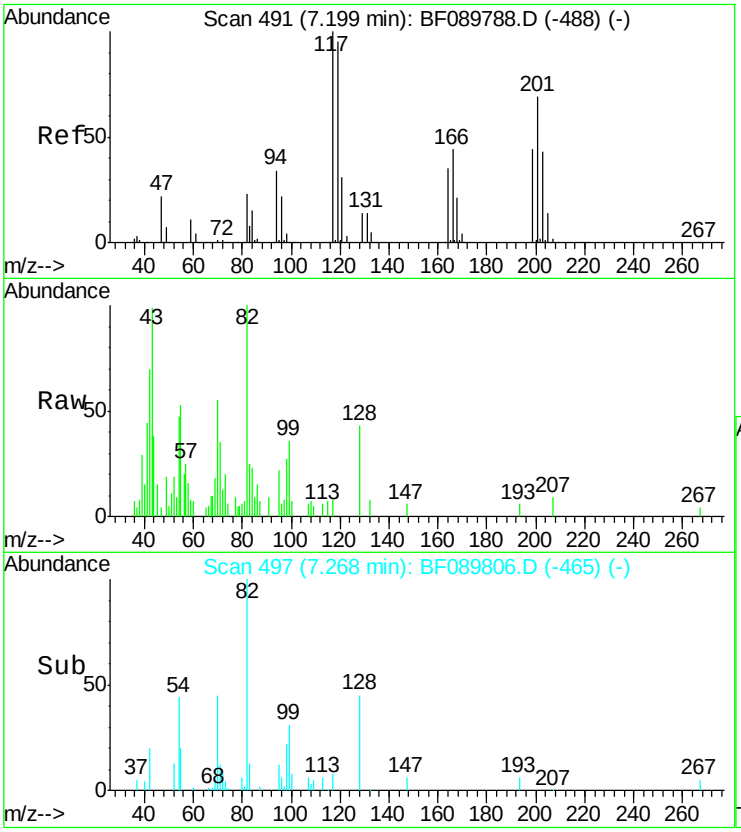


#17
2-Methylphenol
Concen: 8.31 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.15 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



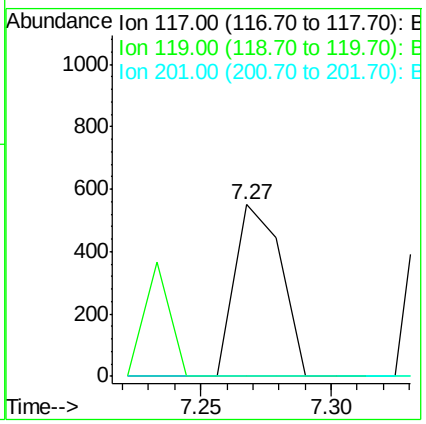


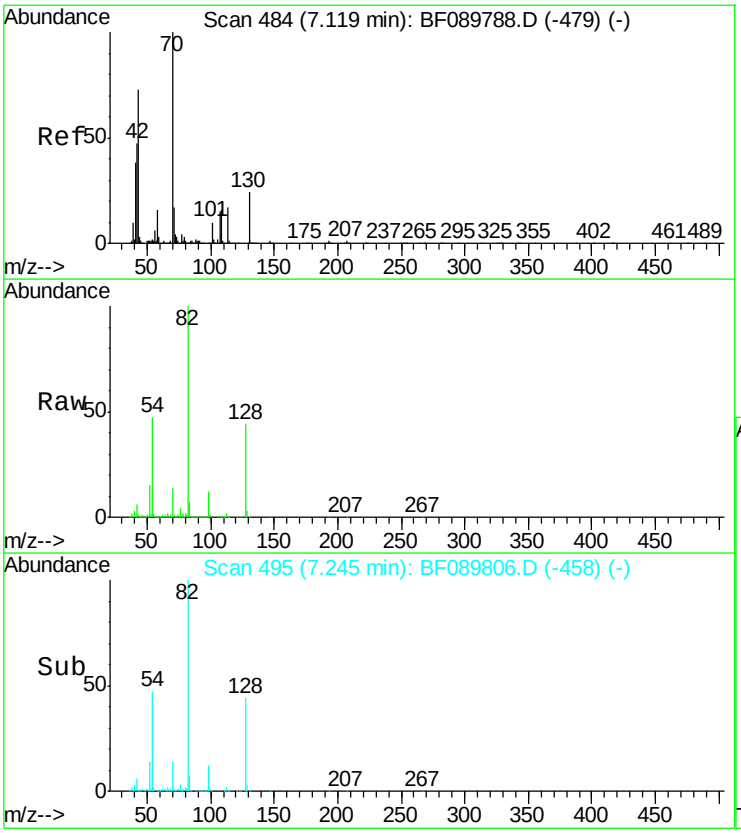
#18
Hexachloroethane
Concen: 0.05 ng
RT: 7.27 min Scan# 497
Delta R.T. 0.07 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
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#

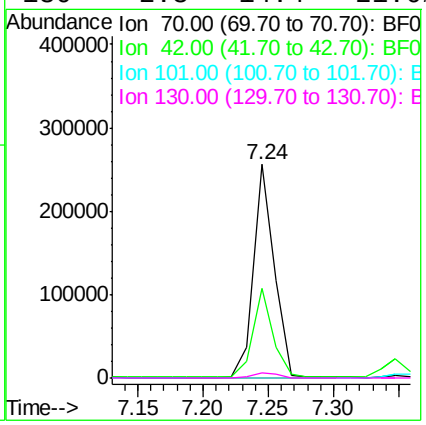


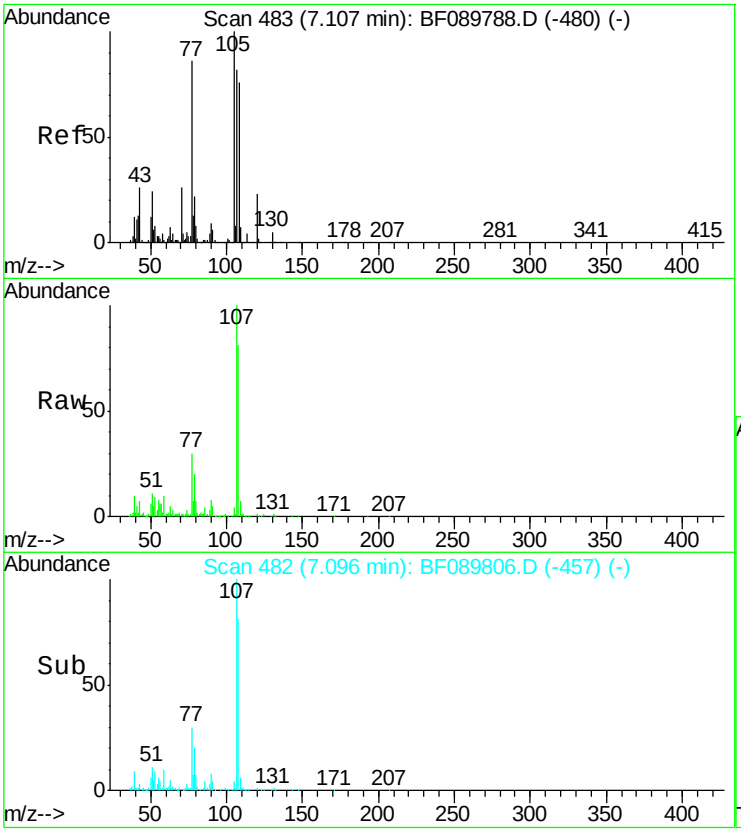


#19
n-Nitroso-di-n-propylamine
Concen: 11.84 ng
RT: 7.24 min Scan# 495
Delta R.T. 0.13 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



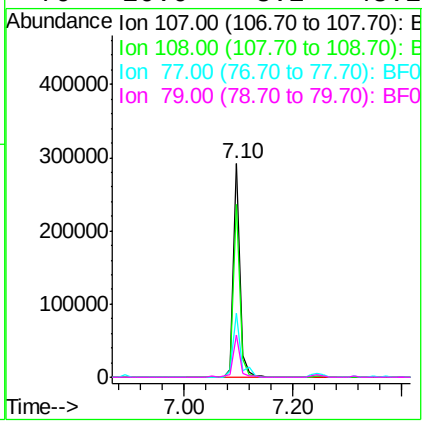


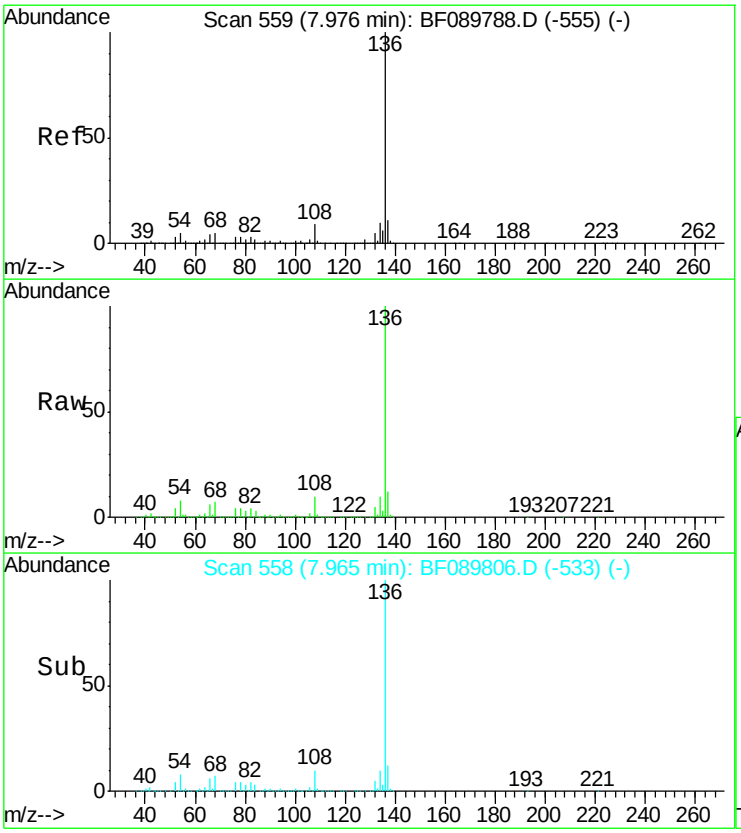
#20
3+4-Methylphenols
Concen: 6.83 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:107 Resp: 240258

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

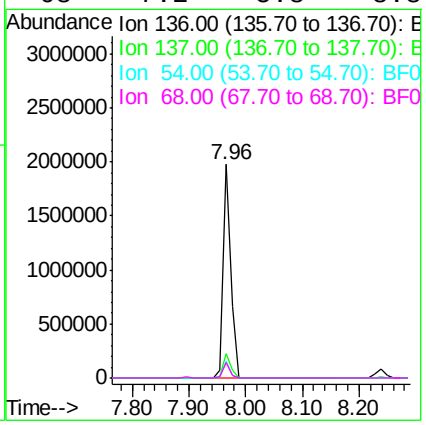


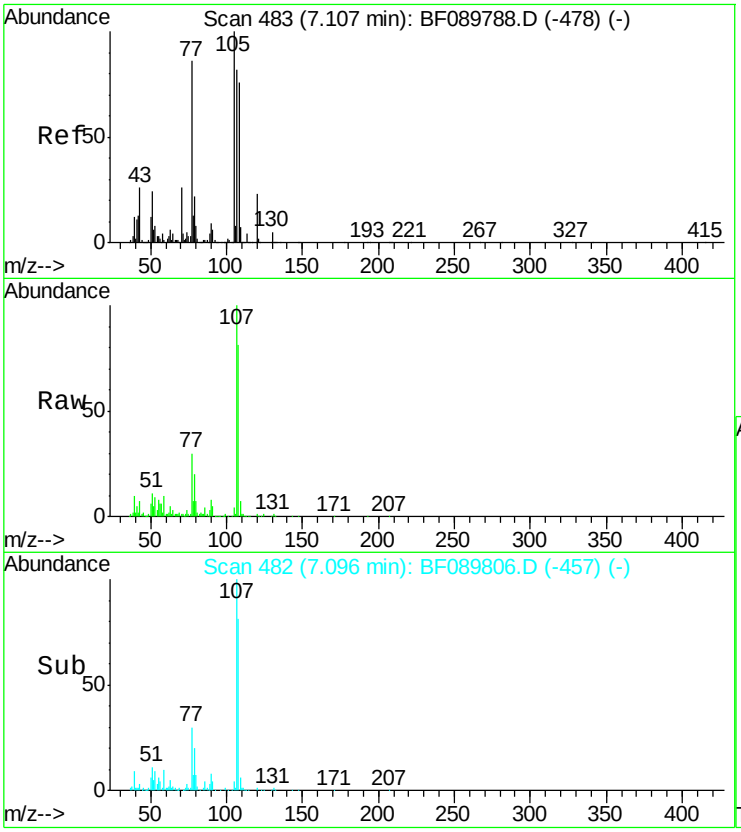


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Tgt Ion:136 Resp: 1876418

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



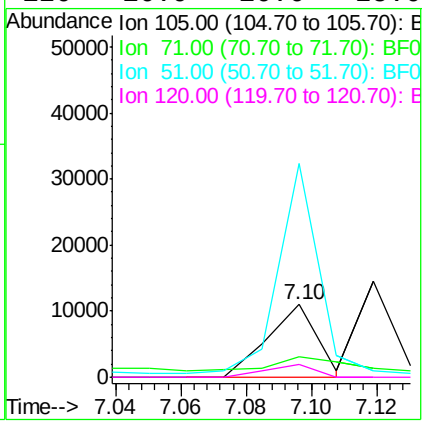


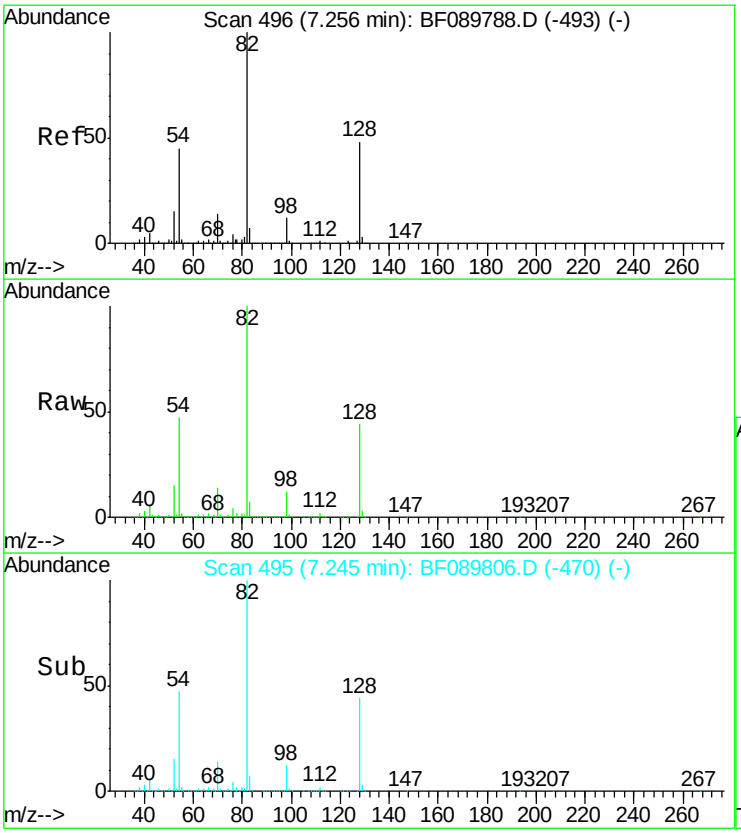
#22
Acetophenone
Concen: 0.27 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

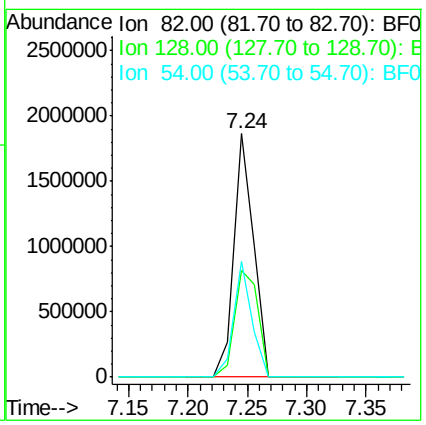


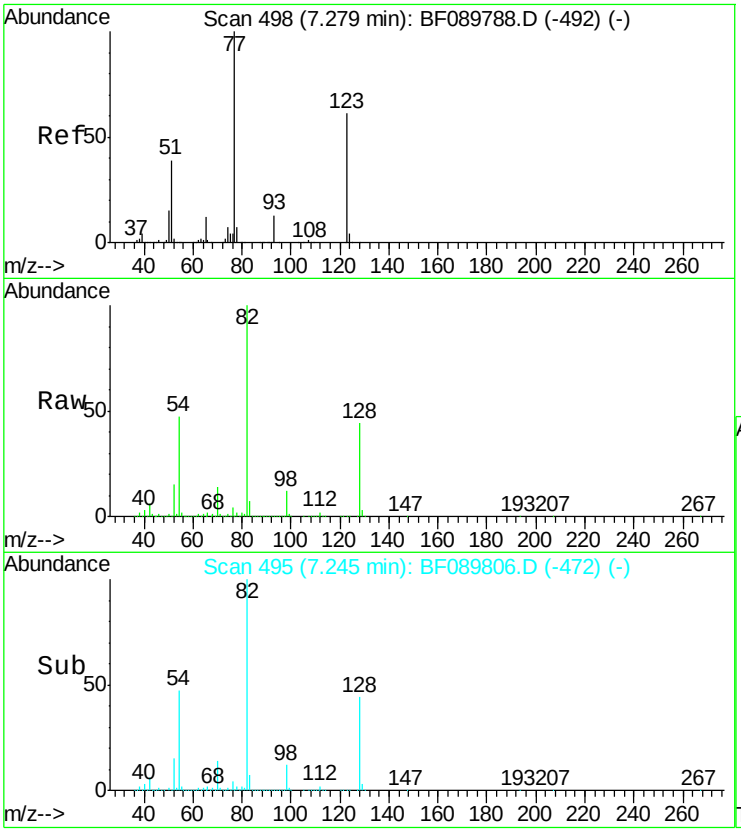


#23
Nitrobenzene-d5
Concen: 71.72 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



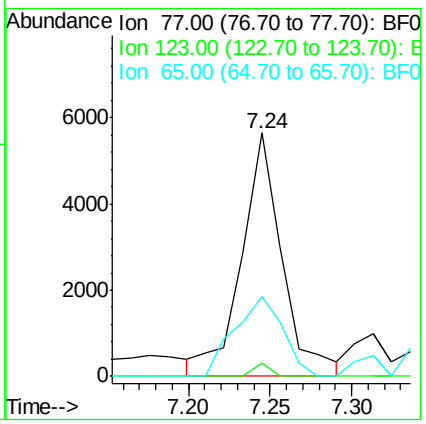


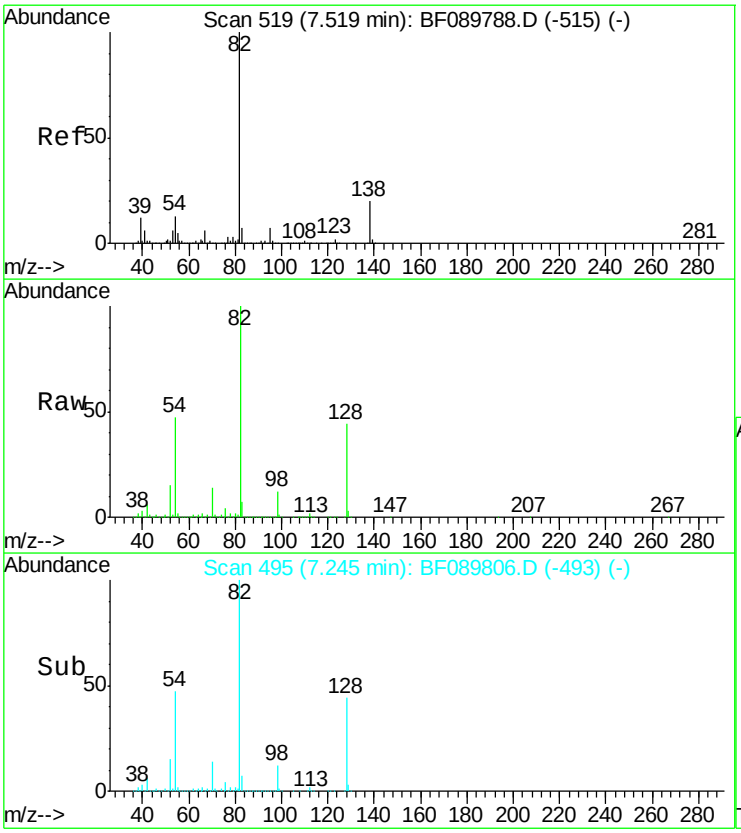
#24
Nitrobenzene
Concen: 0.29 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.03 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

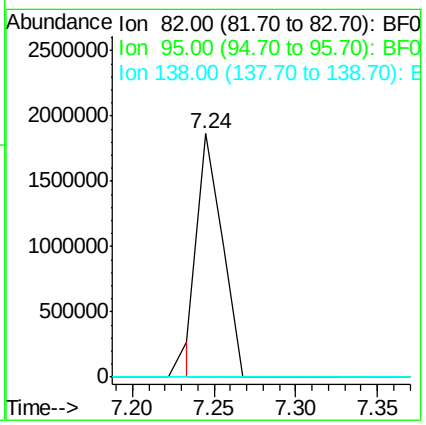


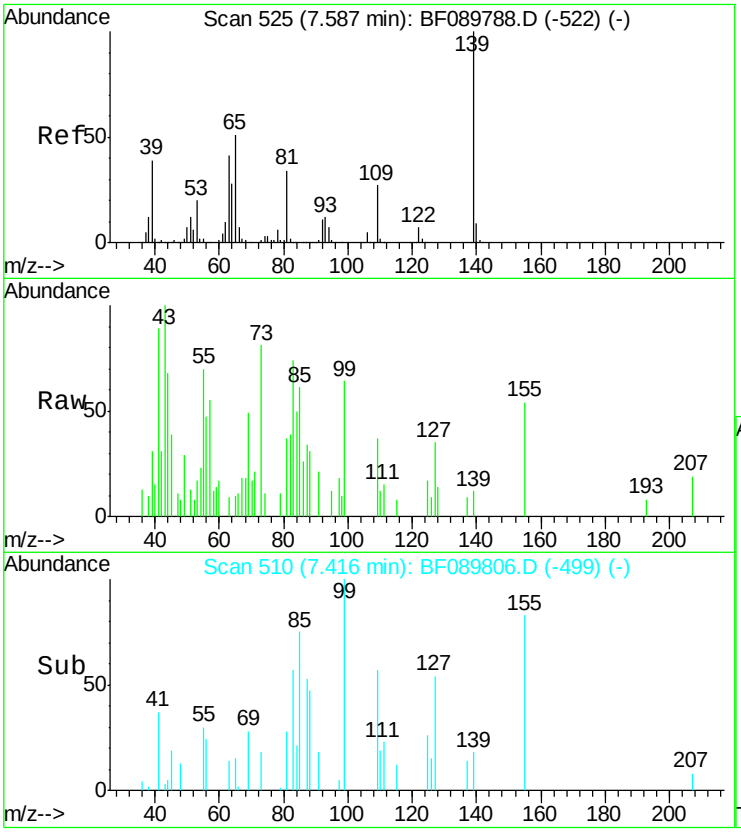


#25
Isophorone
Concen: 32.35 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.27 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



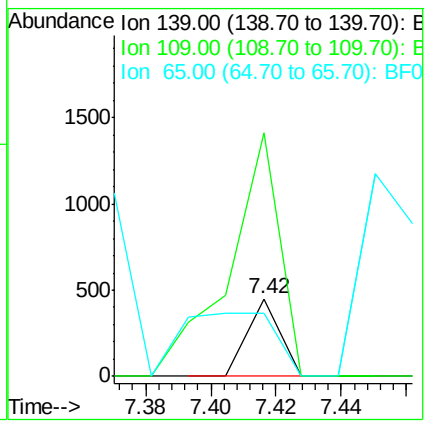


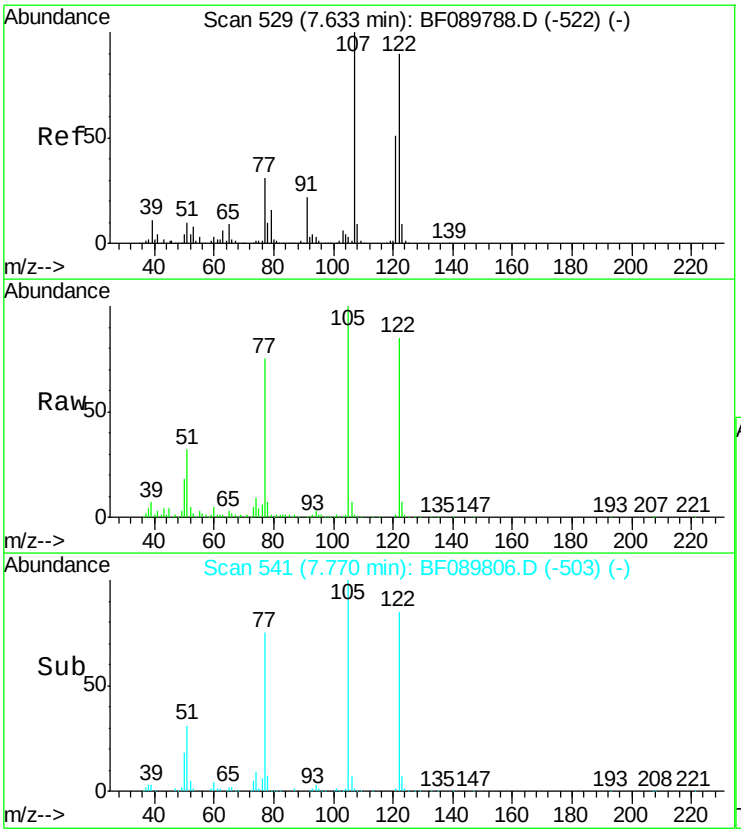
#26
2-Nitrophenol
Concen: 0.02 ng
RT: 7.42 min Scan# 510
Delta R.T. -0.17 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

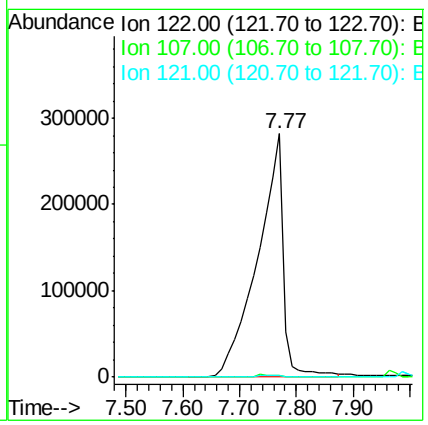


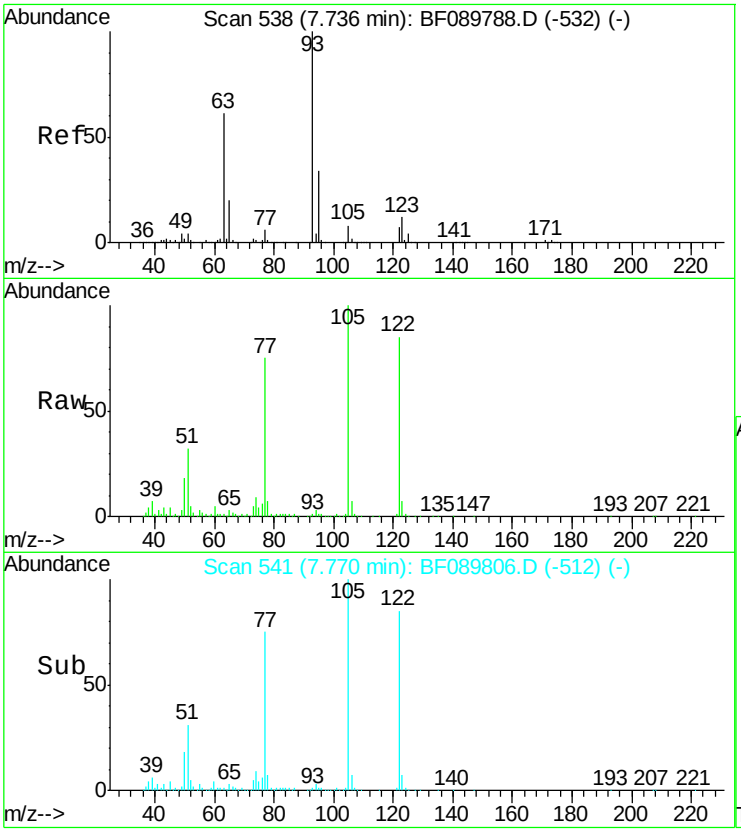


#27
2,4-Dimethylphenol
Concen: 29.58 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.14 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



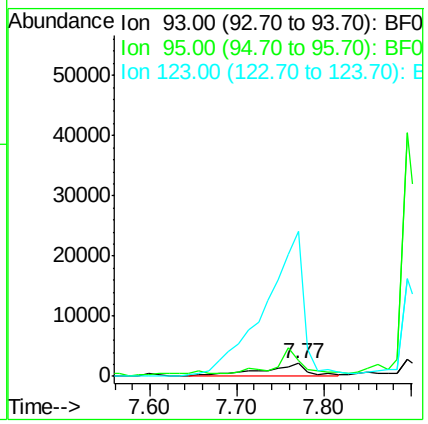


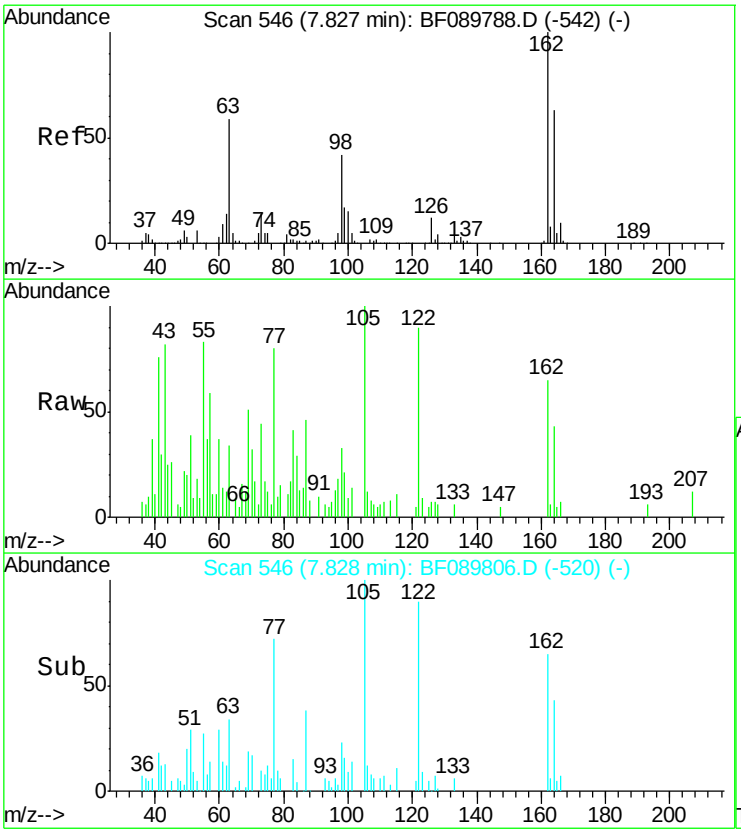
#28
bis(2-Chloroethoxy)methane
Concen: 0.22 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.03 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

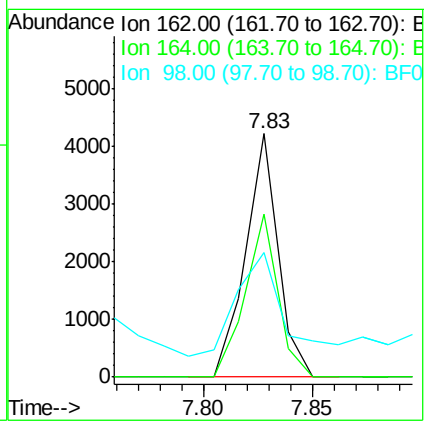


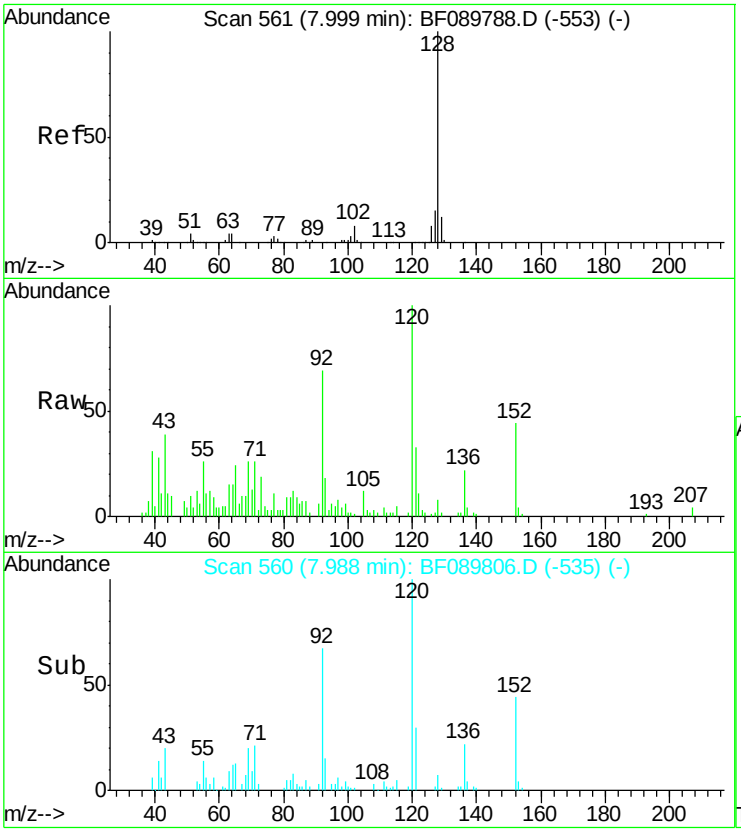


#29
2,4-Dichlorophenol
Concen: 0.17 ng
RT: 7.83 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



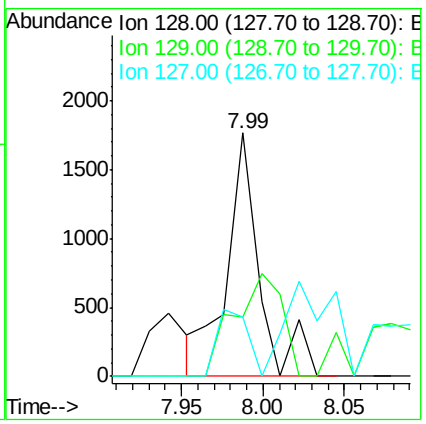


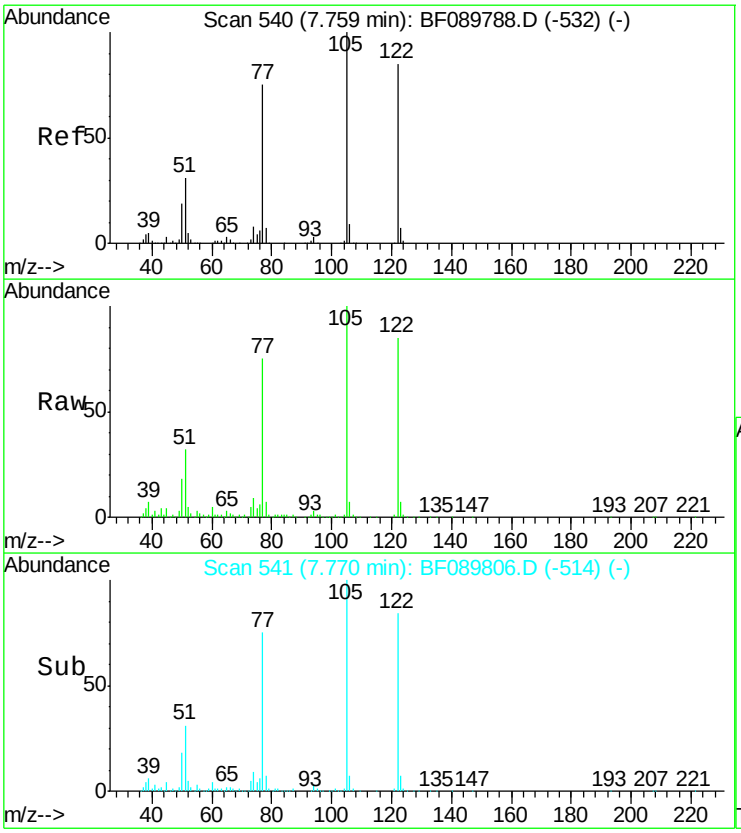
#31
Naphthalene
Concen: 0.03 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

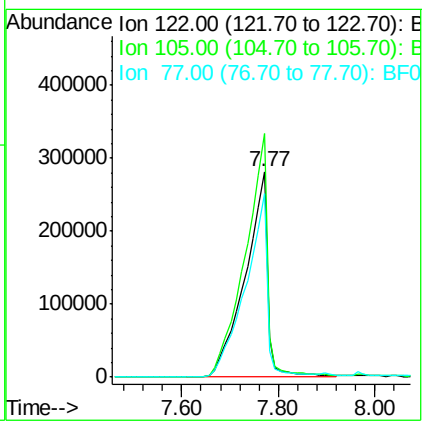


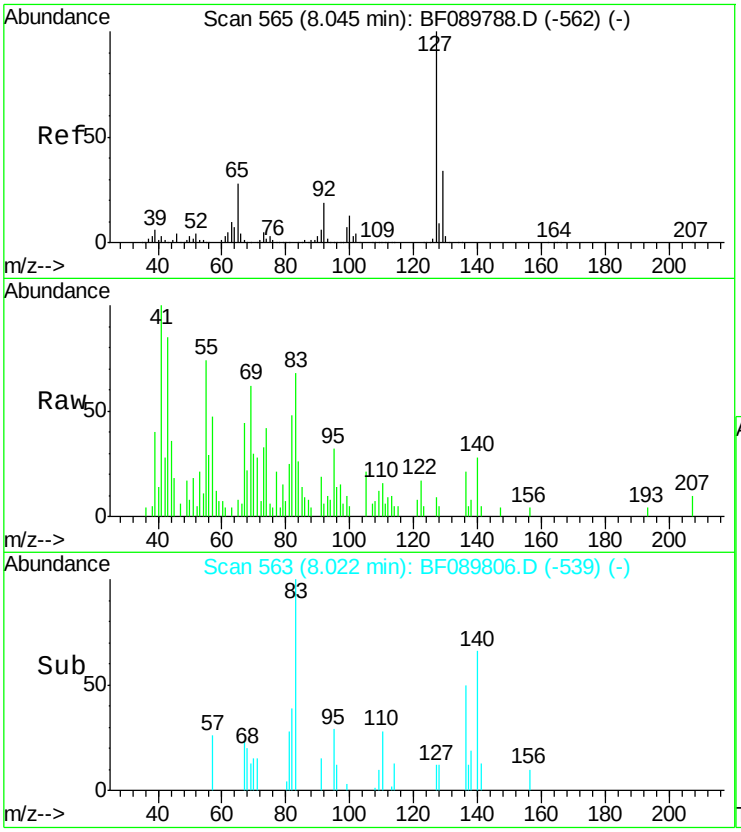


#32
Benzoic acid
Concen: 38.25 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



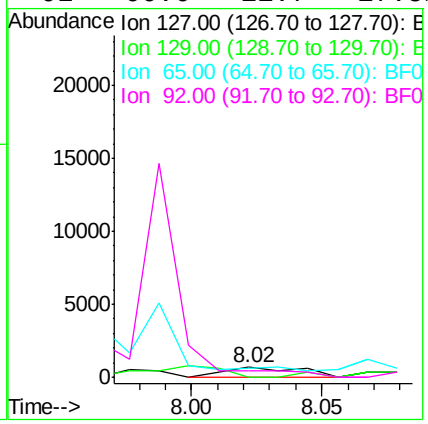


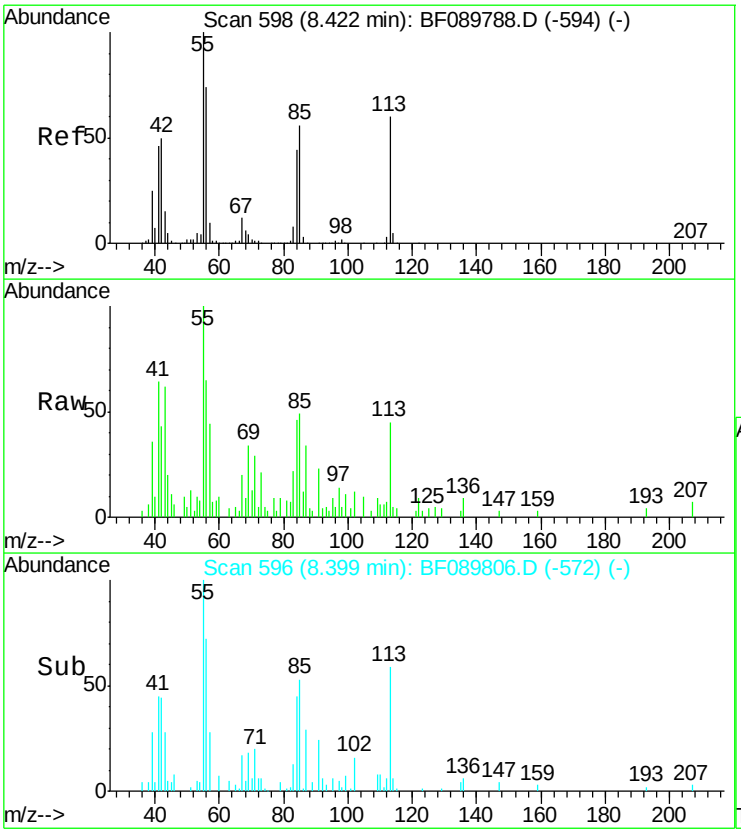
#33
4-Chloroaniline
Concen: 0.04 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

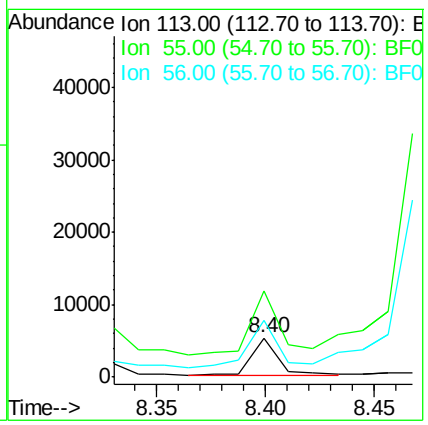


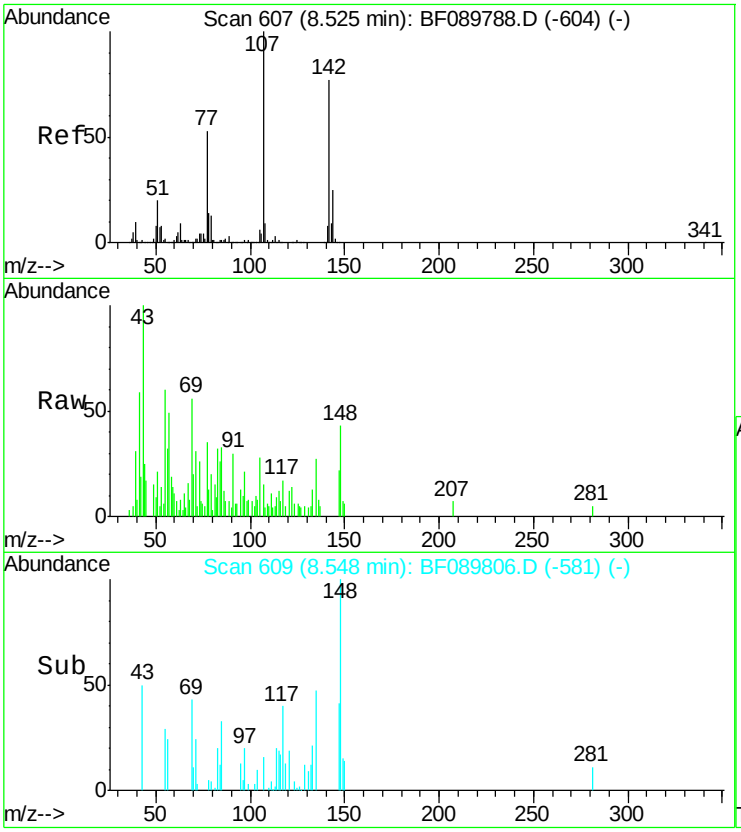


#35
Caprolactam
Concen: 0.54 ng
RT: 8.40 min Scan# 596
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



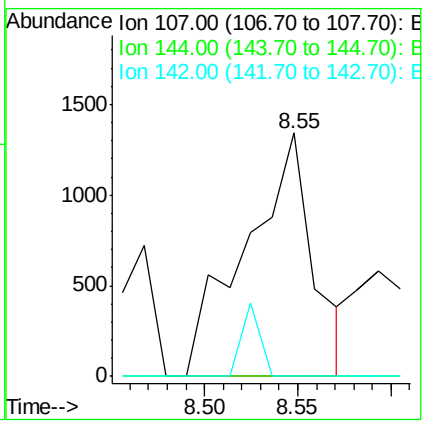


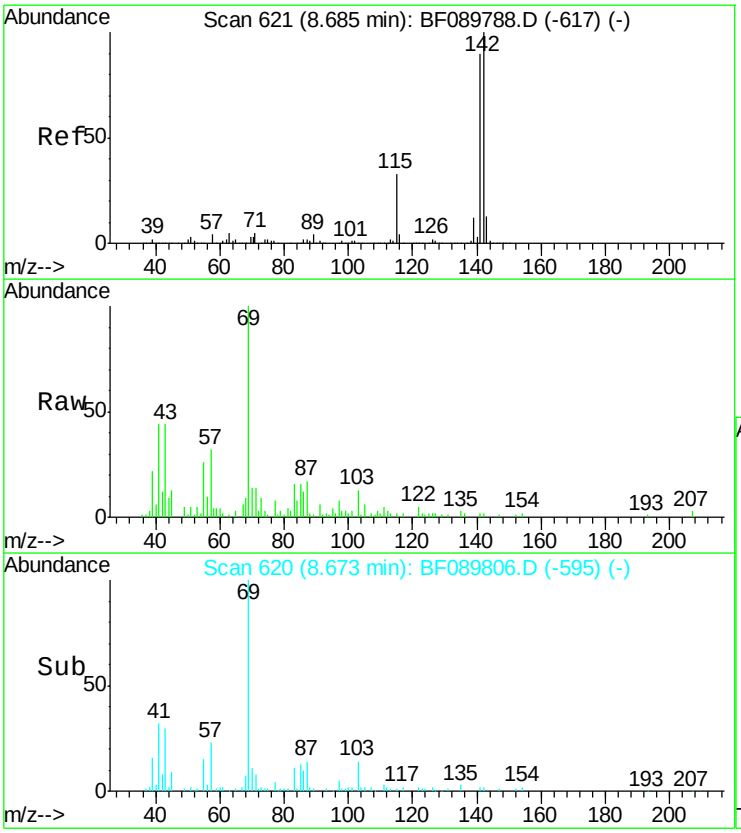
#36
4-Chloro-3-methylphenol
Concen: 0.12 ng
RT: 8.55 min Scan# 609
Delta R.T. 0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

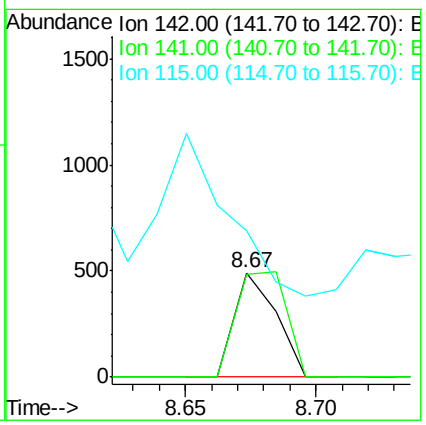


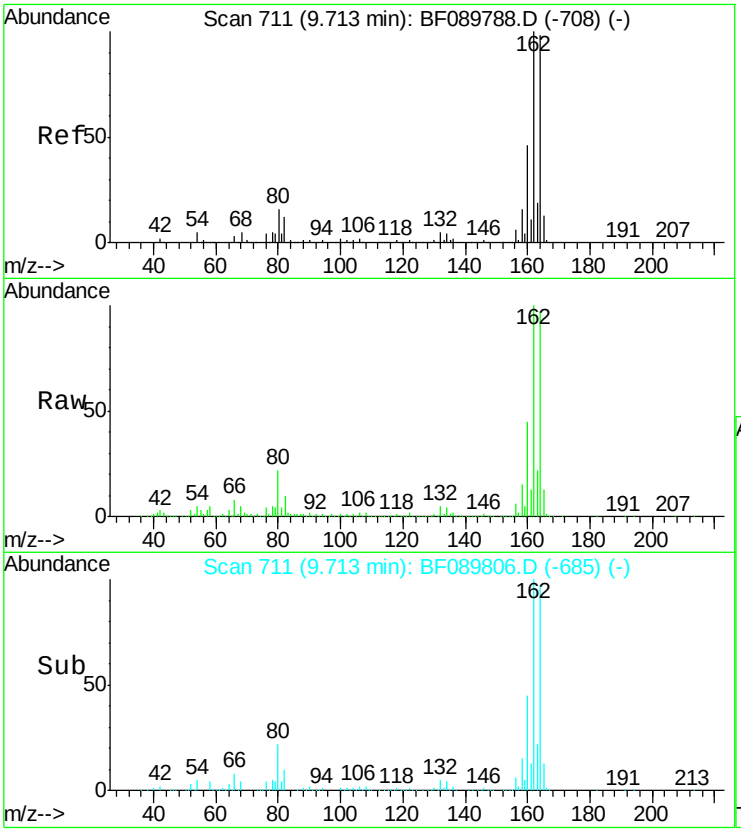


#37
2-Methylnaphthalene
Concen: 0.01 ng
RT: 8.67 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



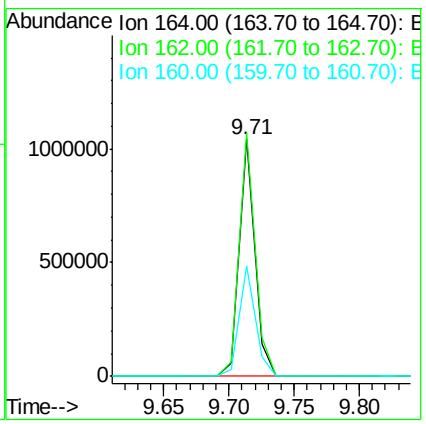


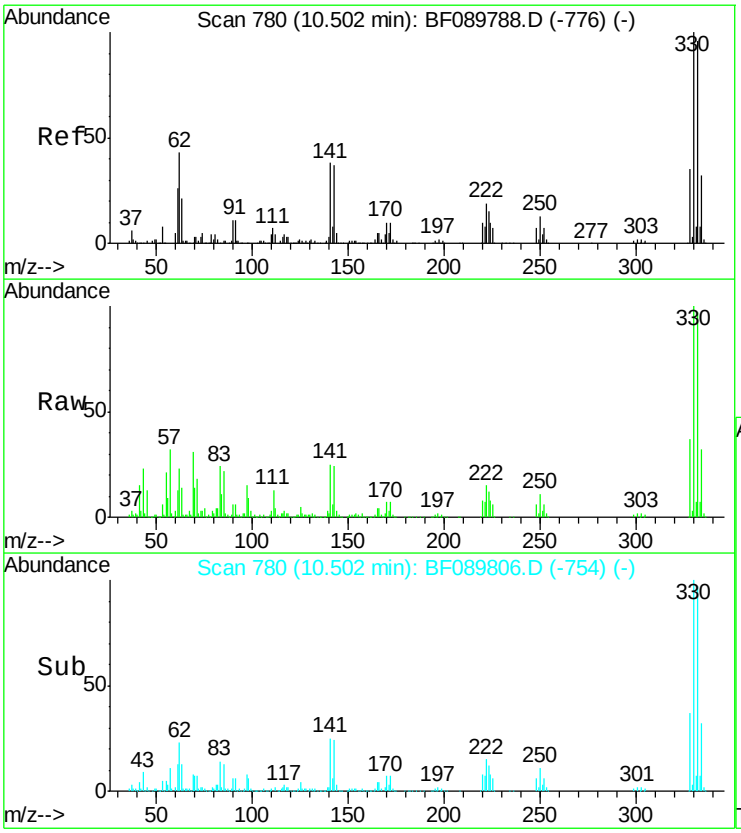
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

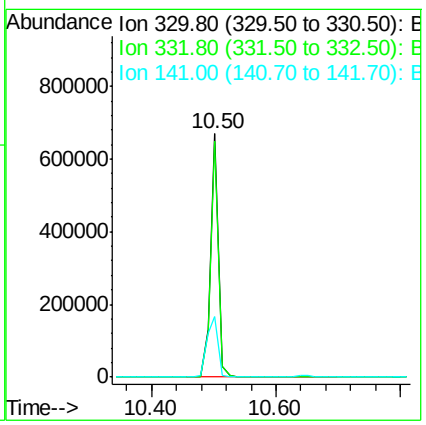


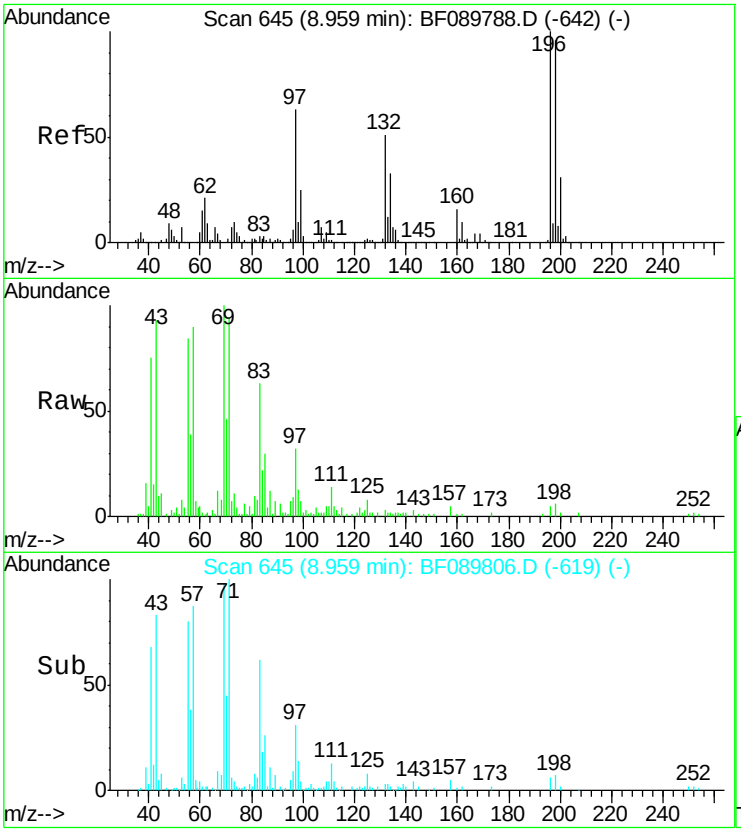


#41
2,4,6-Tribromophenol
Concen: 71.59 ng
RT: 10.50 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



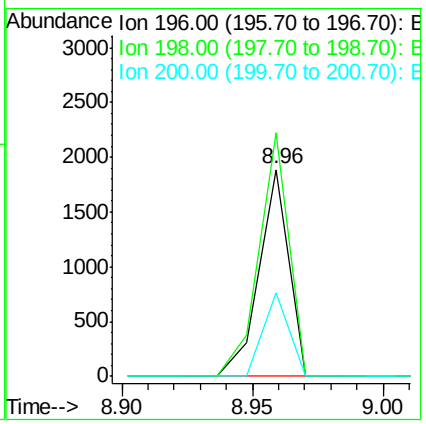


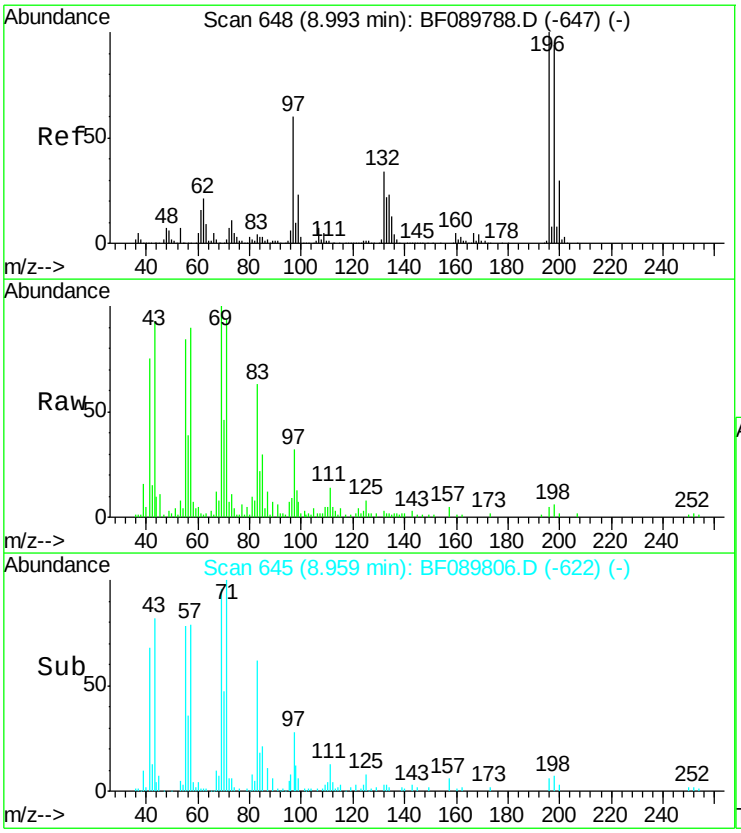
#42
2,4,6-Trichlorophenol
Concen: 0.09 ng
RT: 8.96 min Scan# 645
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

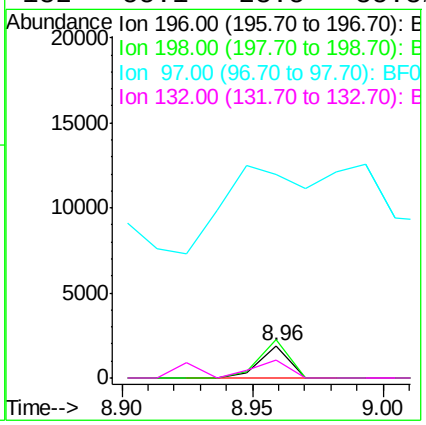


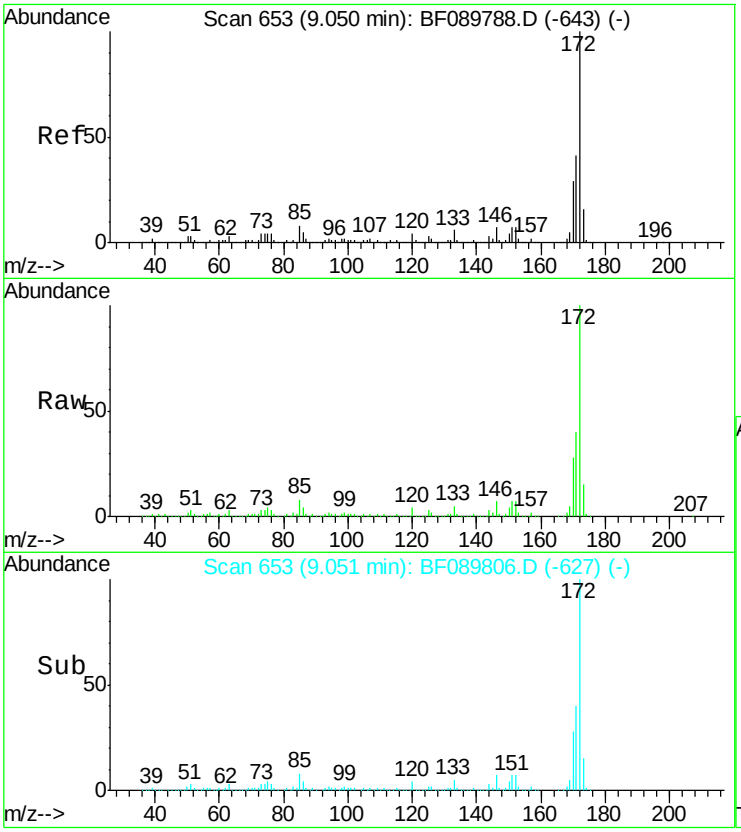


#43
2,4,5-Trichlorophenol
Concen: 0.09 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.03 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



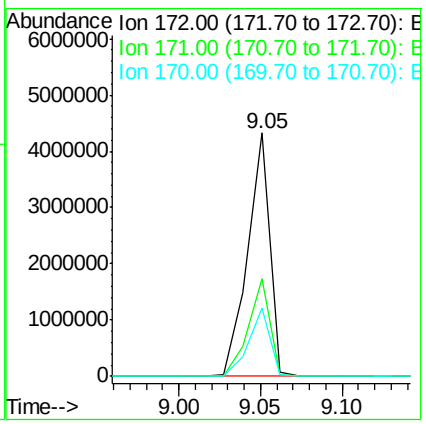


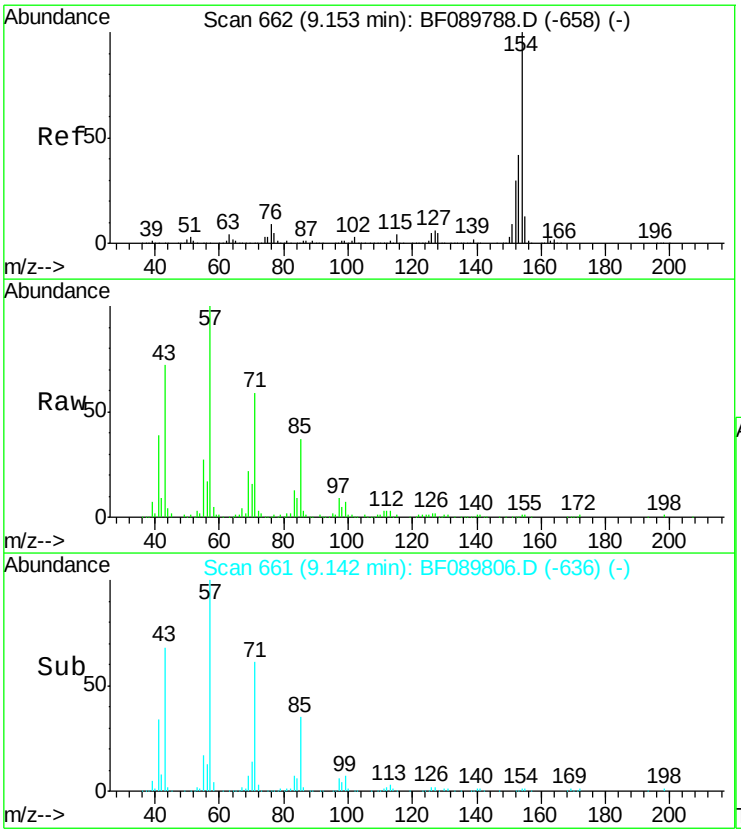
#44
2-Fluorobiphenyl
Concen: 83.27 ng
RT: 9.05 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

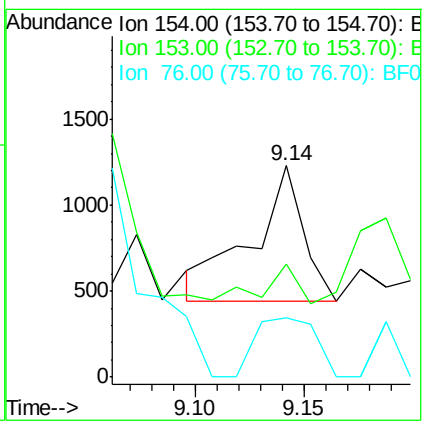


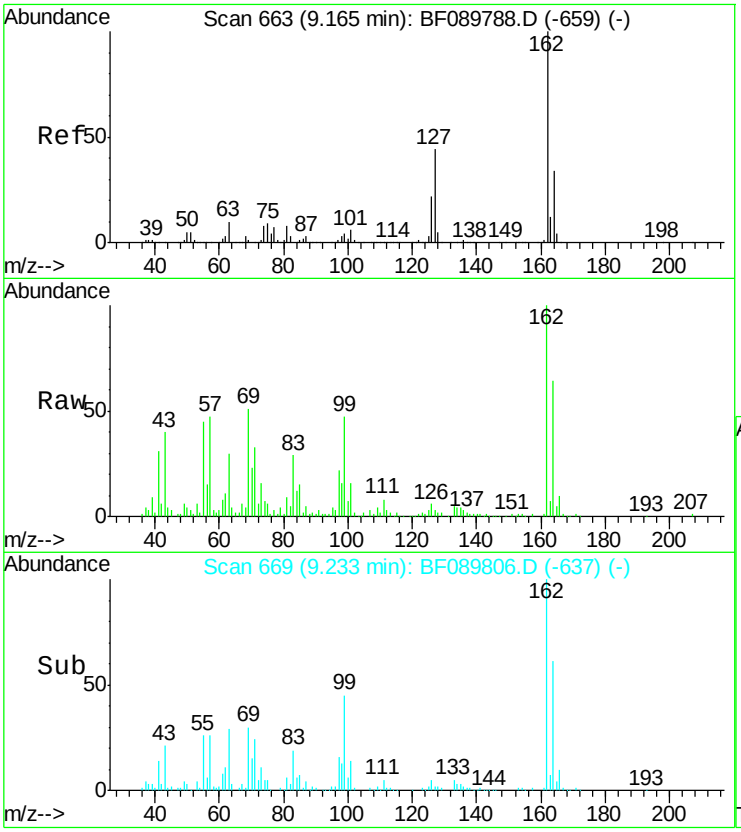


#45
1,1'-Biphenyl
Concen: 0.02 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



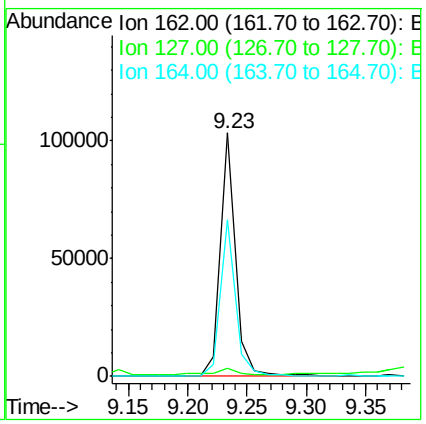


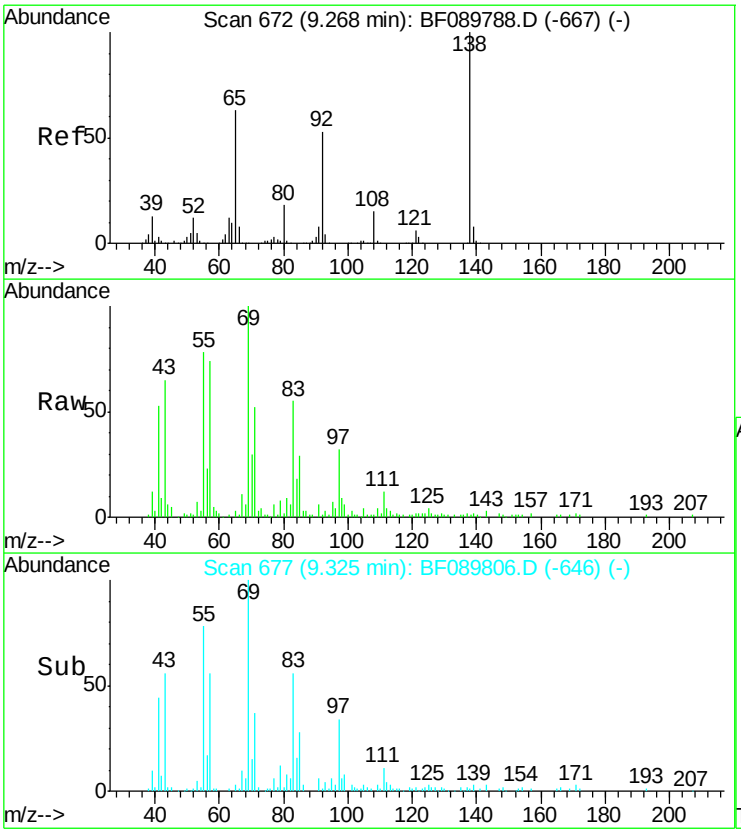
#46
2-Chloronaphthalene
Concen: 1.72 ng
RT: 9.23 min Scan# 669
Delta R.T. 0.07 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

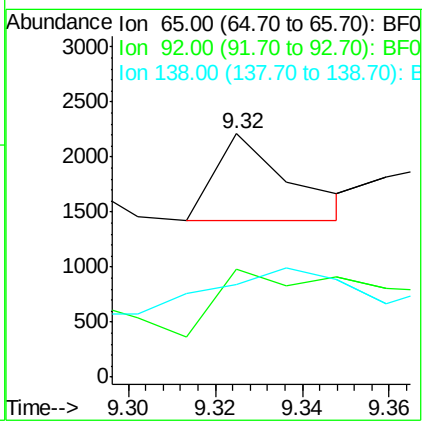


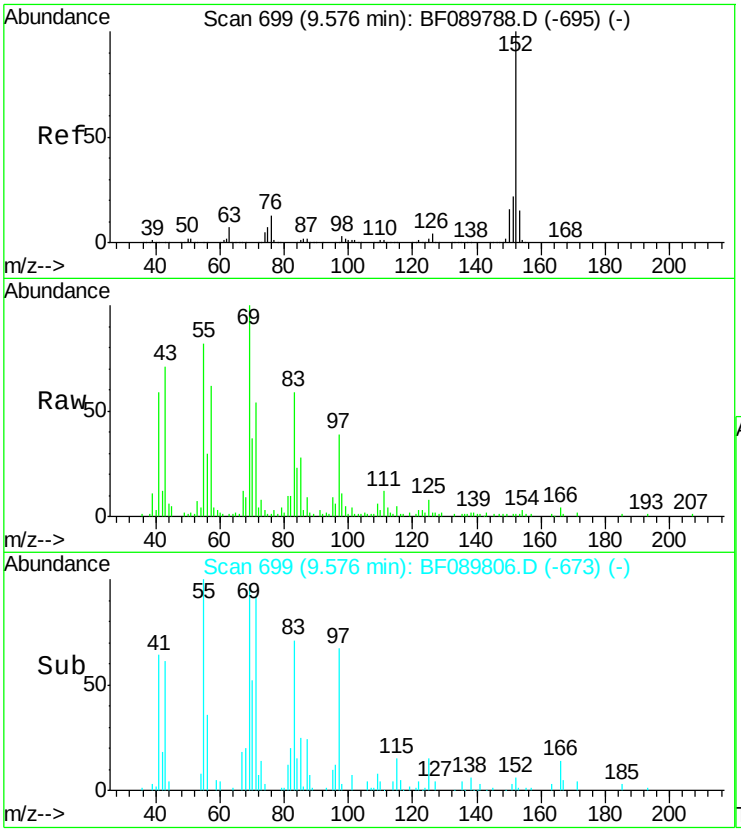


#47
2-Nitroaniline
Concen: 0.06 ng
RT: 9.32 min Scan# 677
Delta R.T. 0.06 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



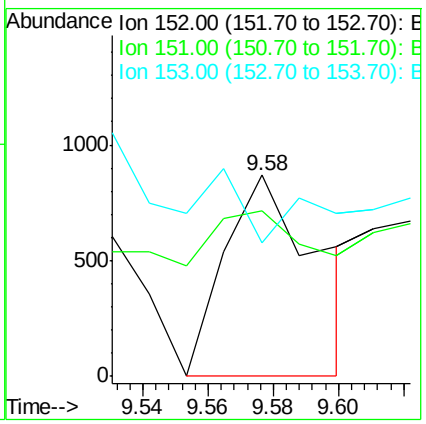


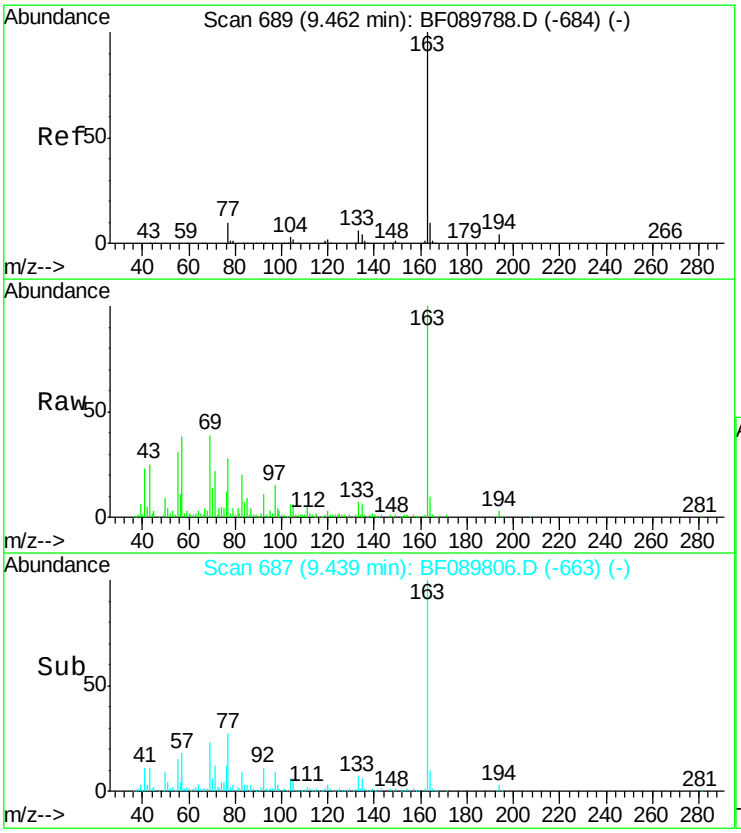
#48
Acenaphthylene
Concen: 0.02 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

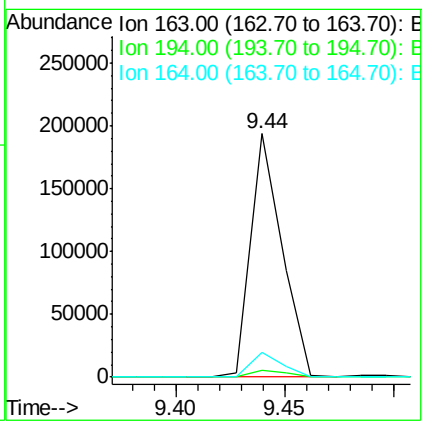


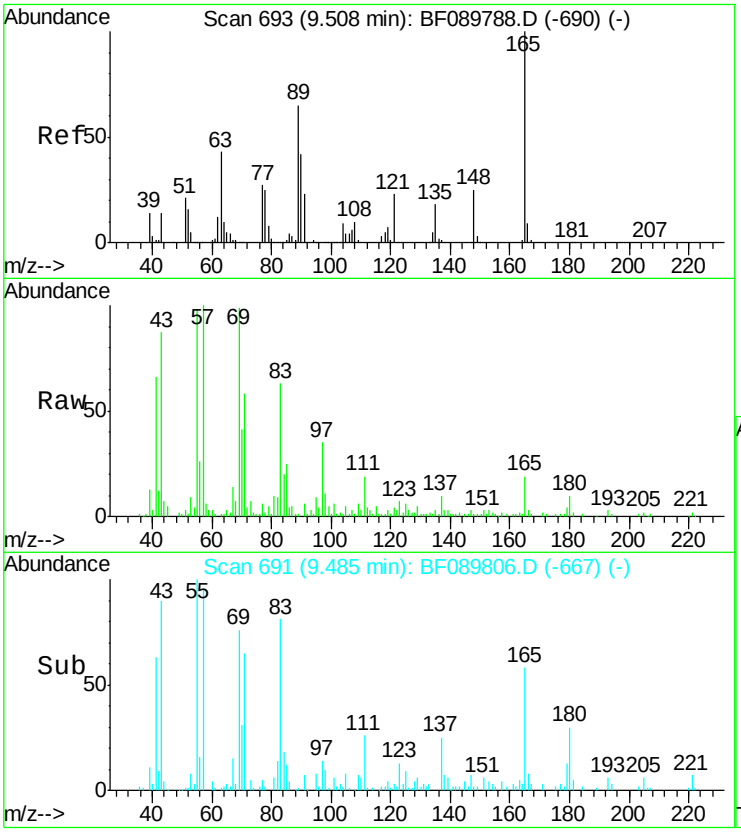


#49
Dimethylphthalate
Concen: 3.22 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



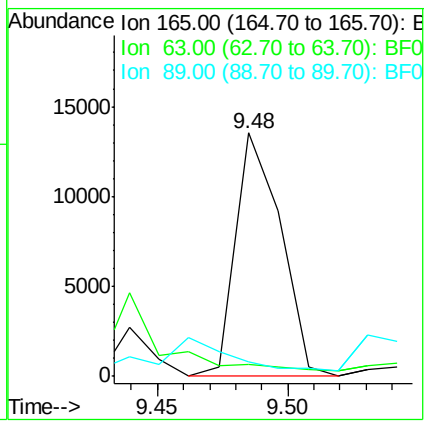


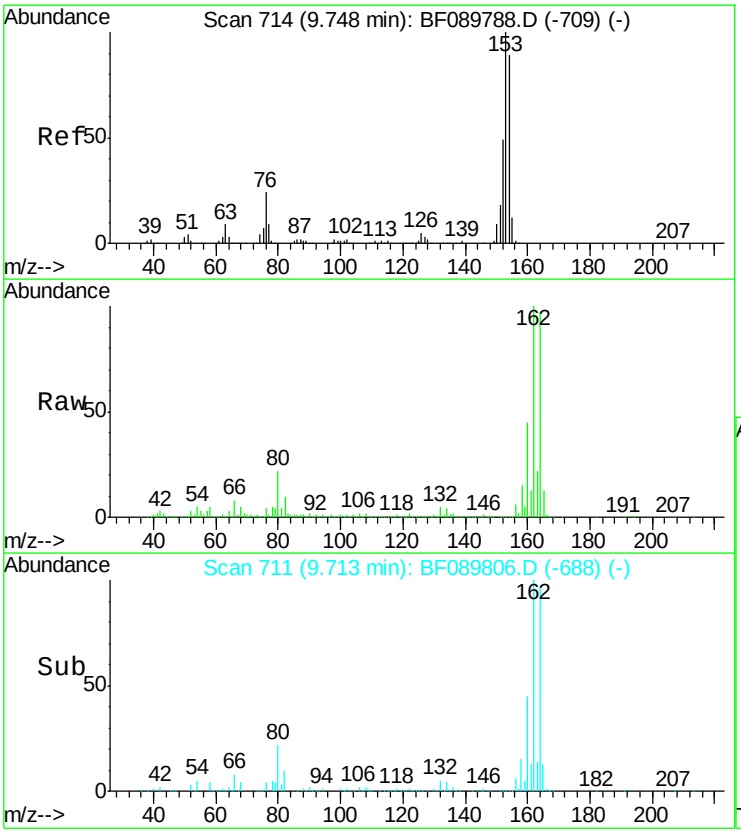
#50
2,6-Dinitrotoluene
Concen: 1.17 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

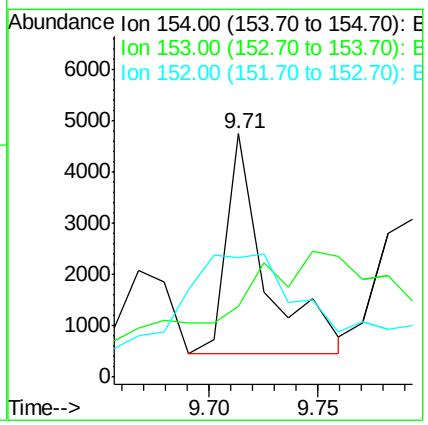


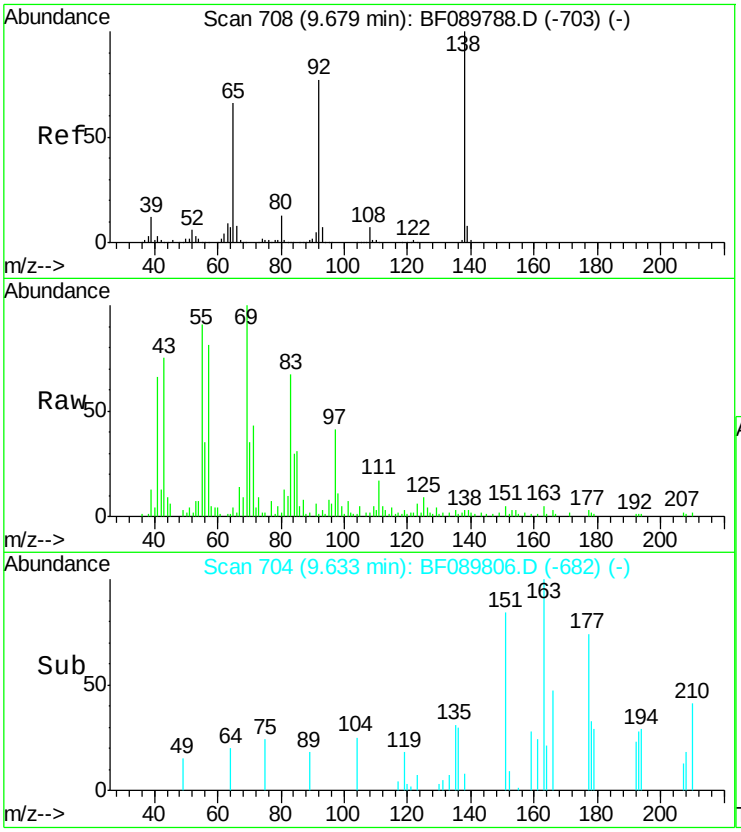


#51
Acenaphthene
Concen: 0.10 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



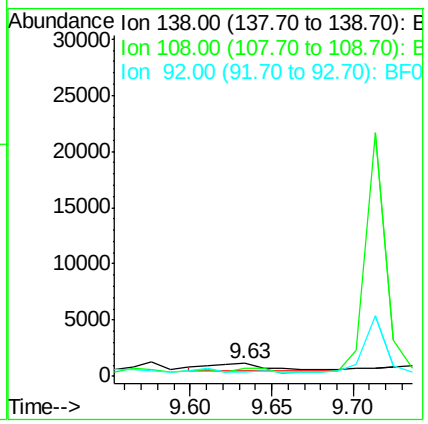


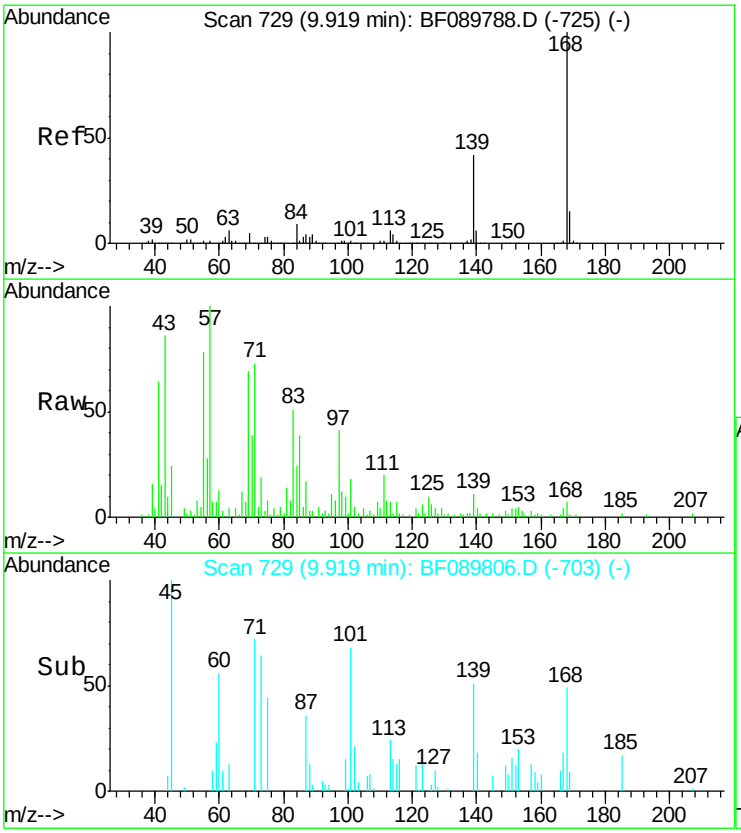
#52
3-Nitroaniline
Concen: 0.11 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.05 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

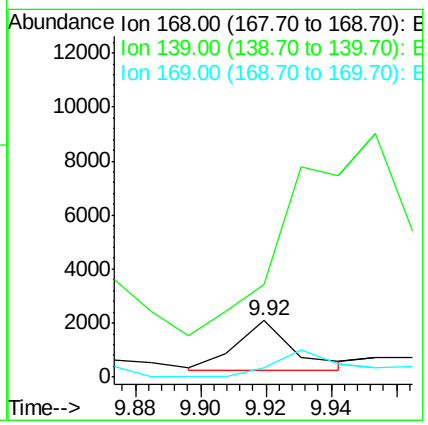


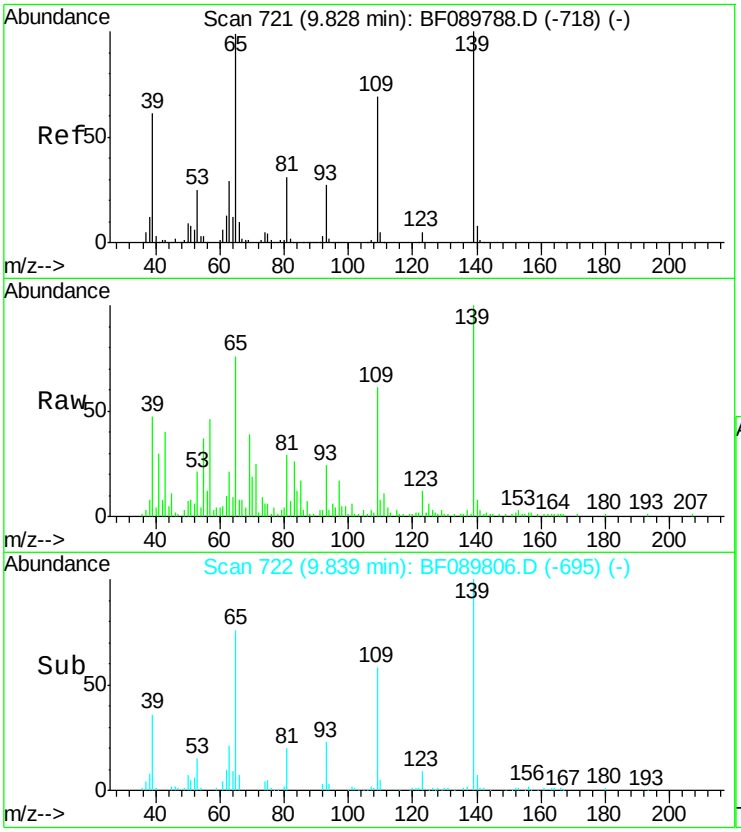


#54
Dibenzofuran
Concen: 0.03 ng
RT: 9.92 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



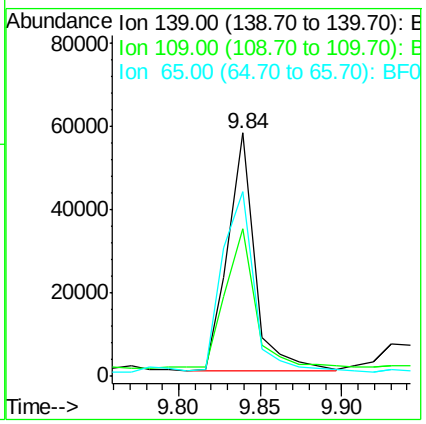


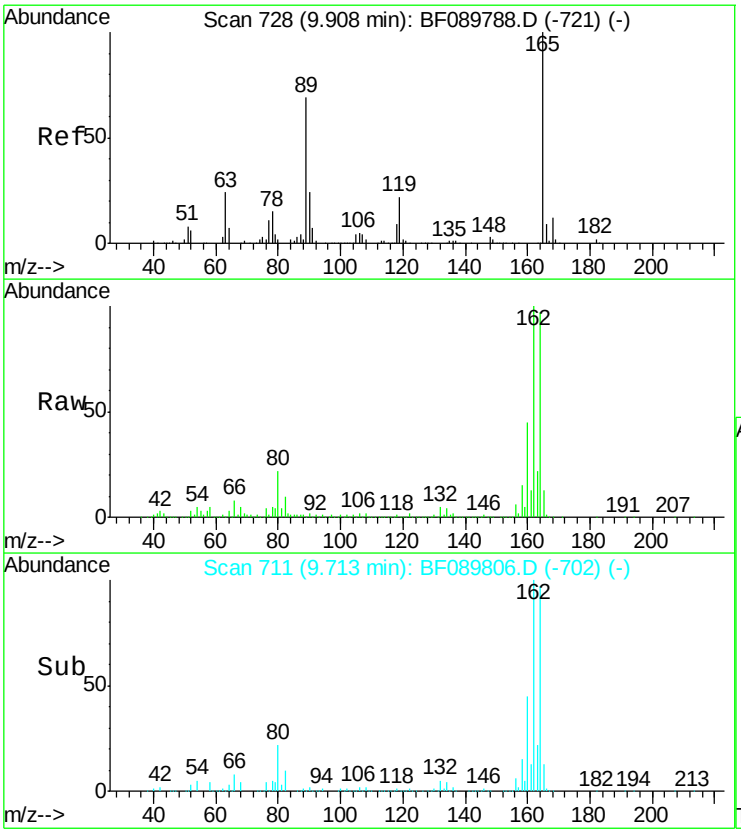
#55
4-Nitrophenol
Concen: 5.16 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

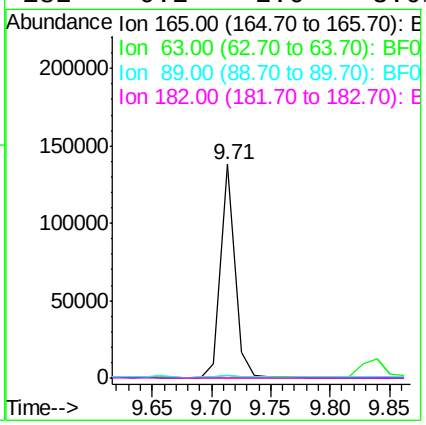


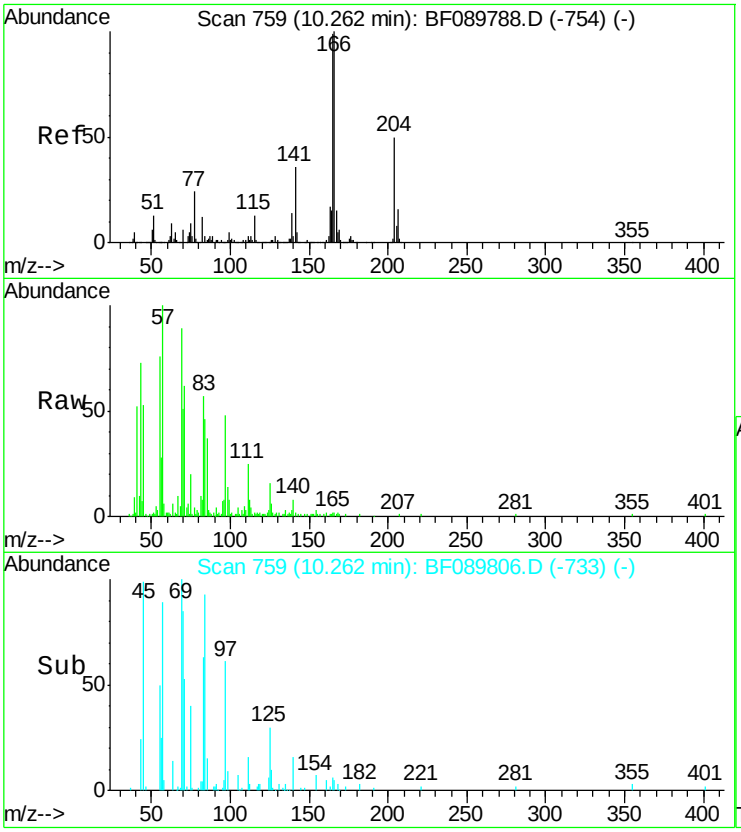


#56
2,4-Dinitrotoluene
Concen: 6.33 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.19 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



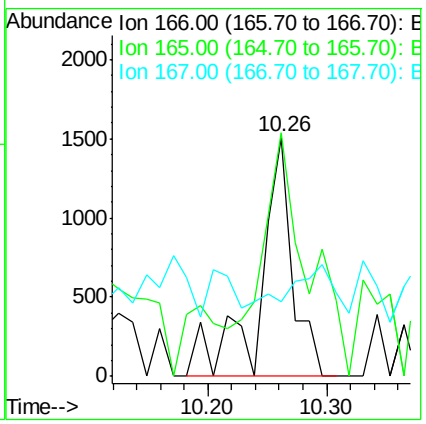


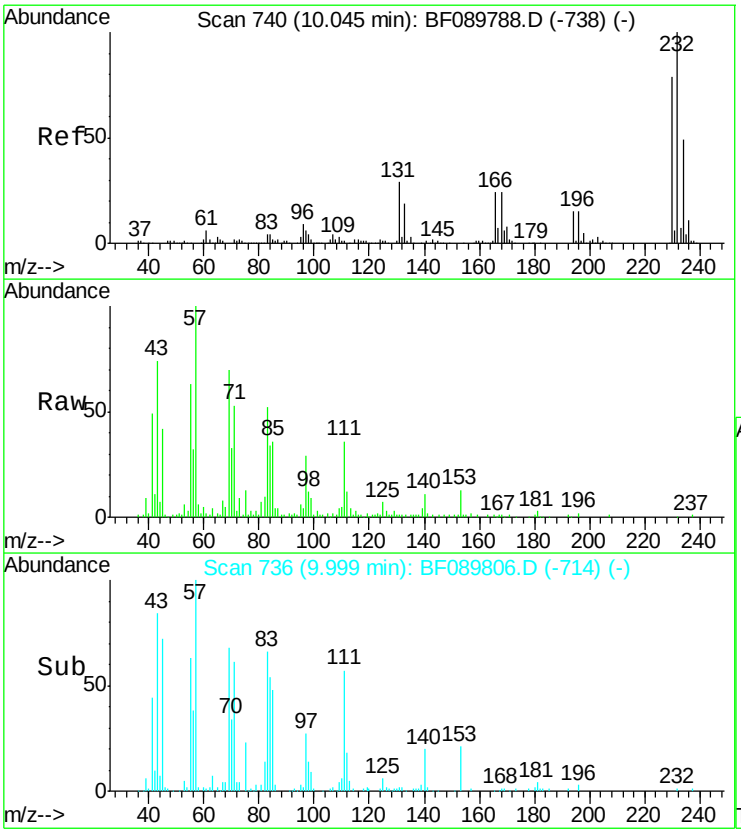
#57
Fluorene
Concen: 0.06 ng
RT: 10.26 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

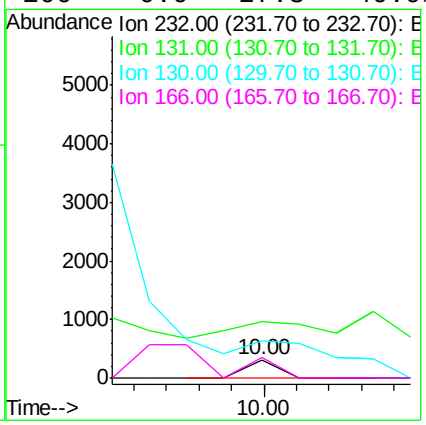


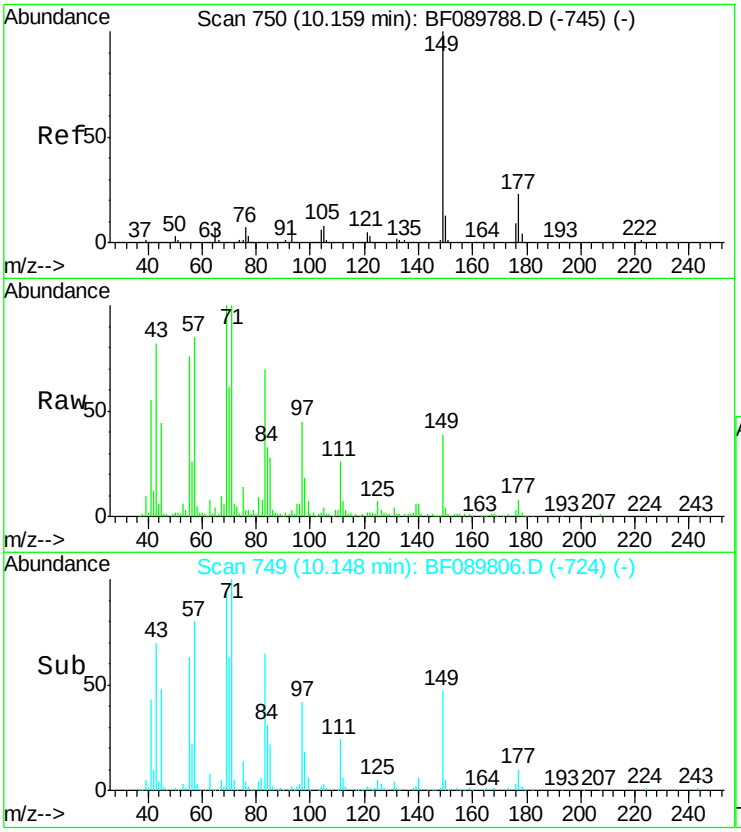


#58
2,3,4,6-Tetrachlorophenol
Concen: 0.02 ng
RT: 10.00 min Scan# 736
Delta R.T. -0.05 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



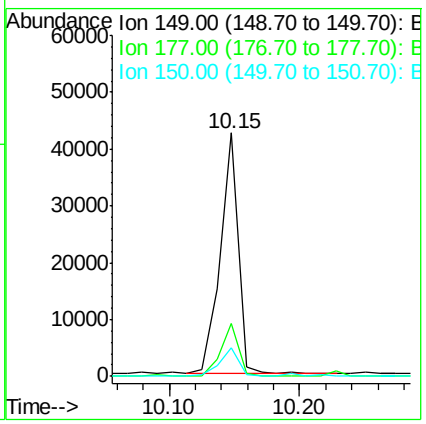


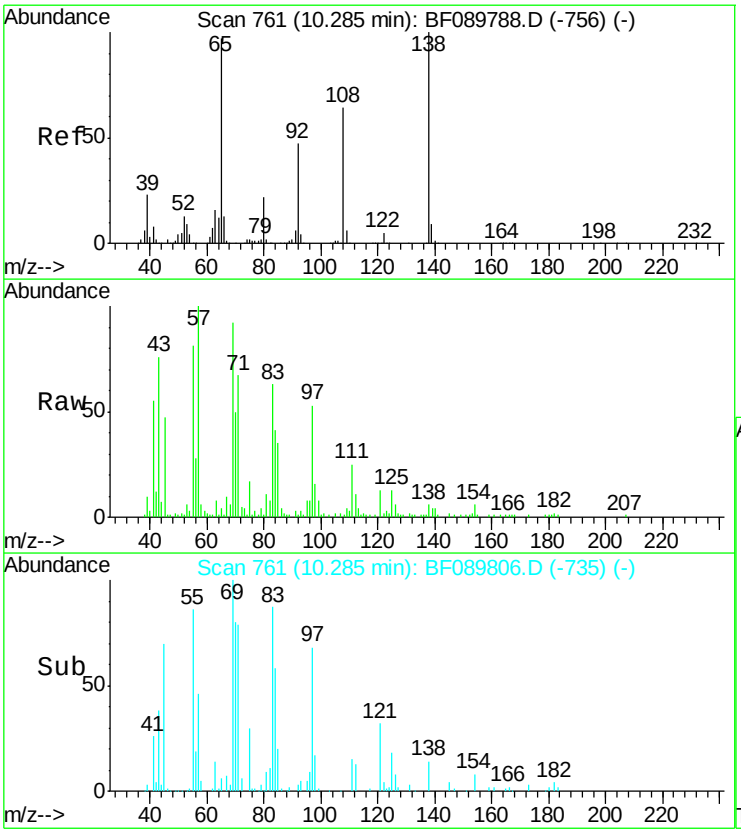
#59
Diethylphthalate
Concen: 0.67 ng
RT: 10.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

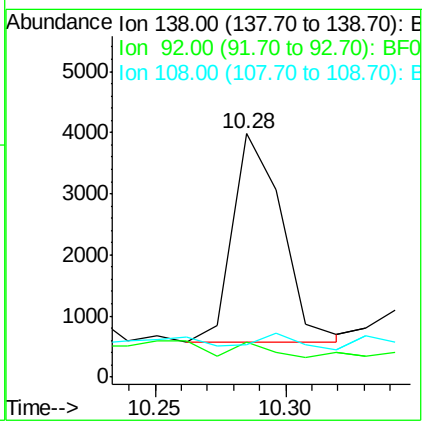


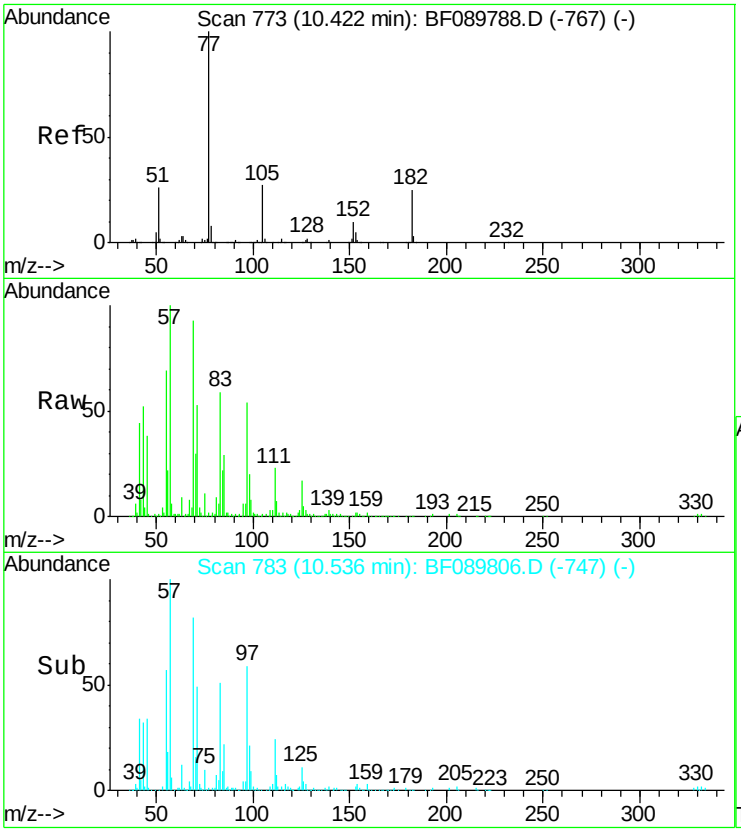


#61
4-Nitroaniline
Concen: 0.31 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



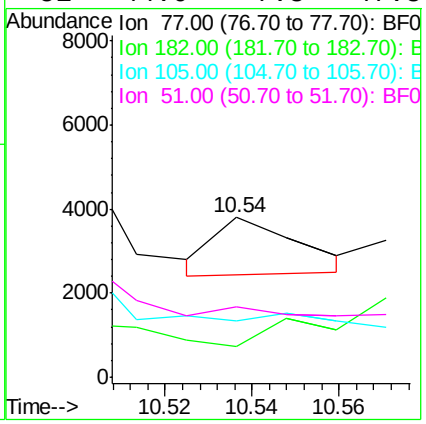


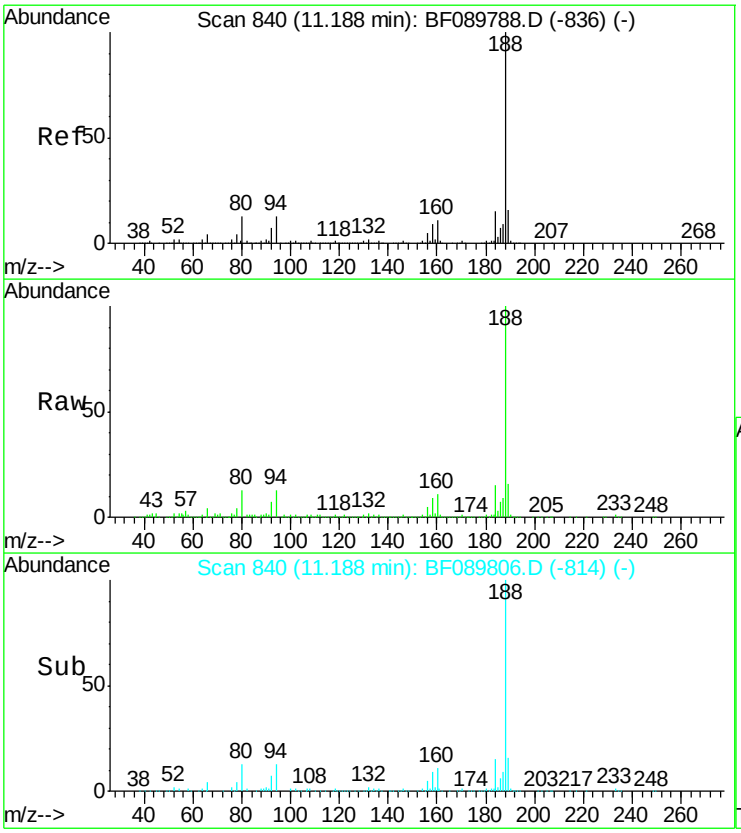
#62
Azobenzene
Concen: 0.03 ng
RT: 10.54 min Scan# 783
Delta R.T. 0.11 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

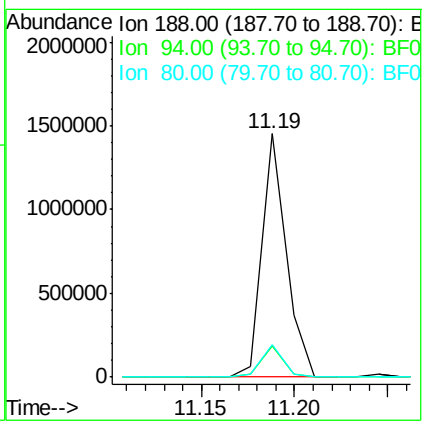


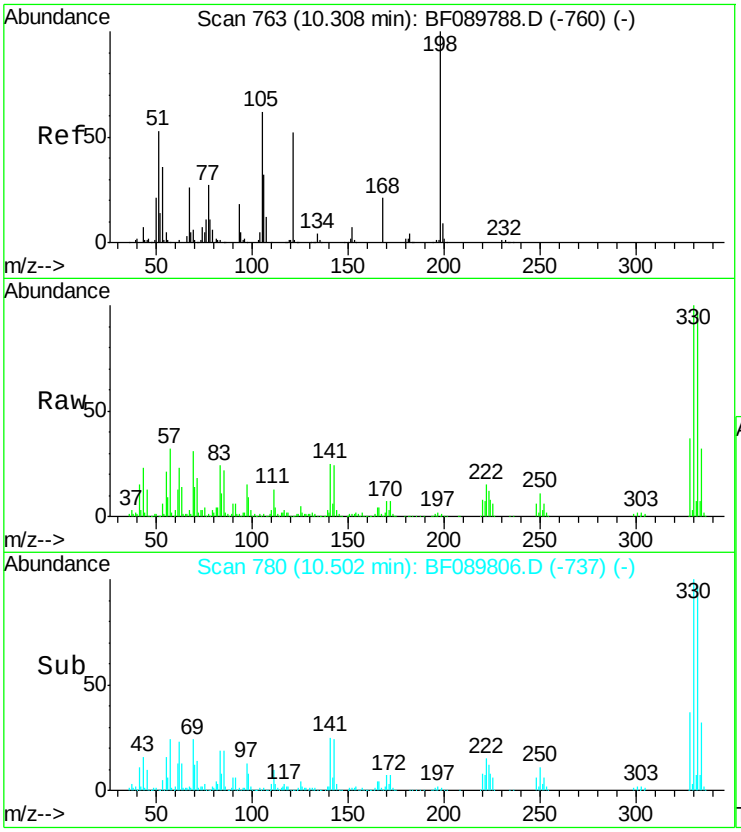


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



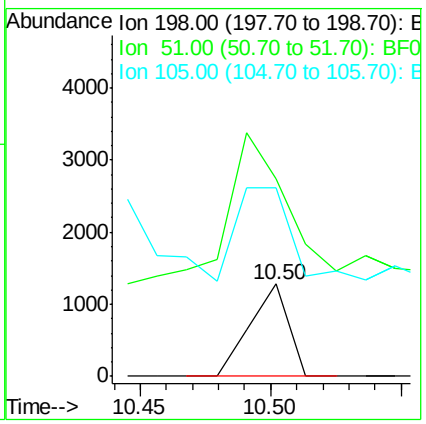


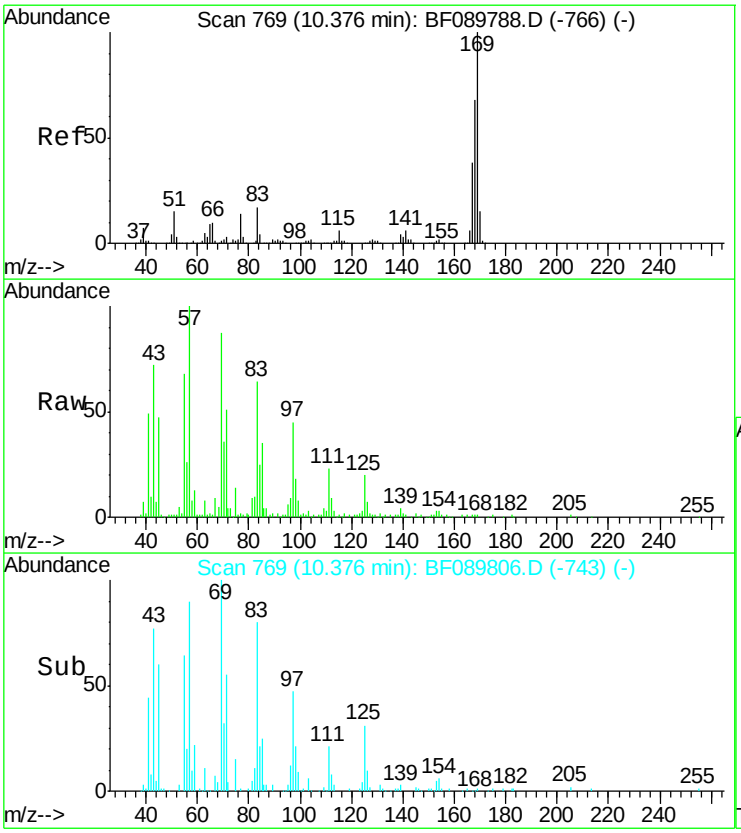
#64
4,6-Dinitro-2-methylphenol
Concen: 0.18 ng
RT: 10.50 min Scan# 780
Delta R.T. 0.20 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

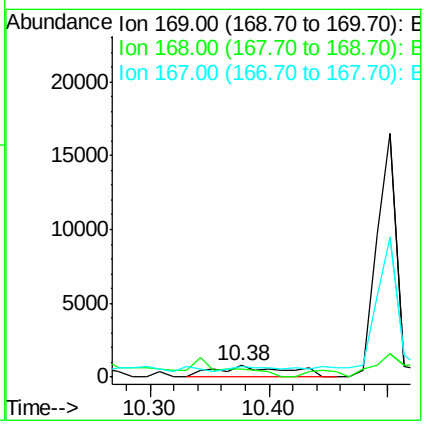


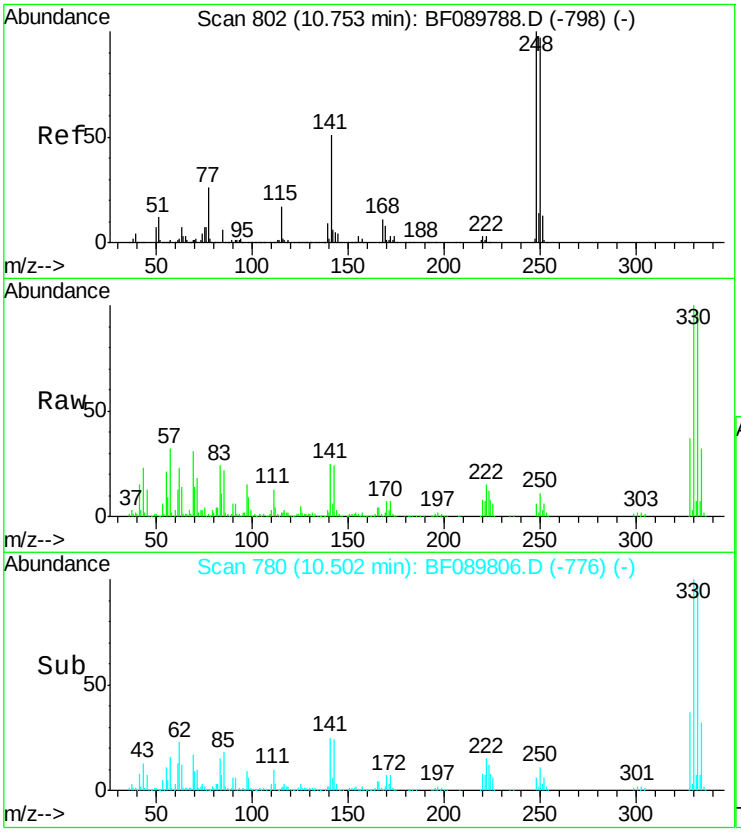


#65
n-Nitrosodiphenylamine
Concen: 0.08 ng
RT: 10.38 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



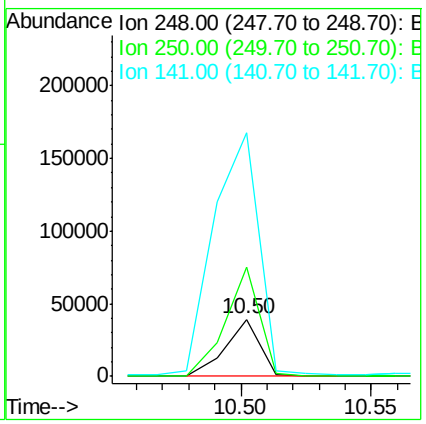


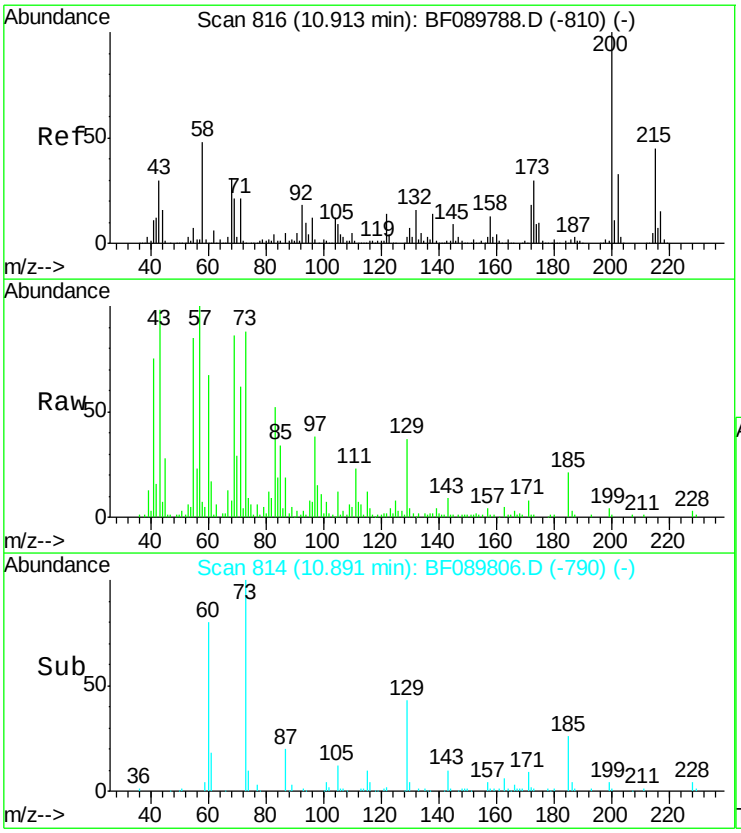
#66
4-Bromophenyl-phenylether
Concen: 2.66 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.25 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

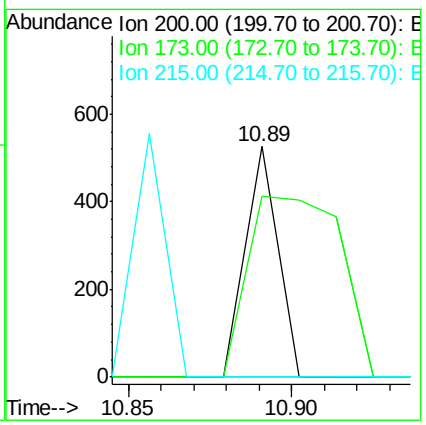


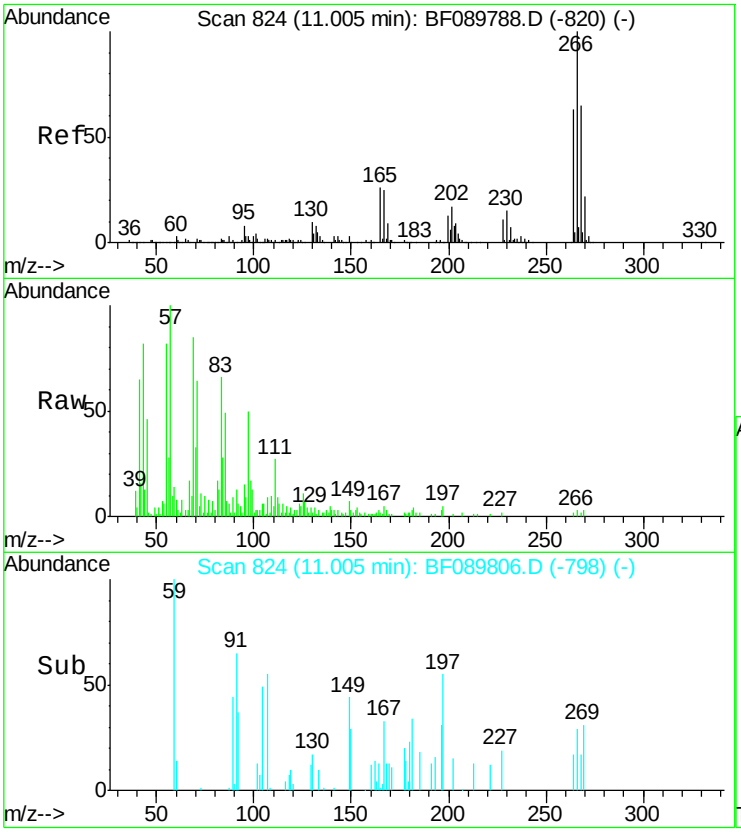


#68
Atrazine
Concen: 0.03 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



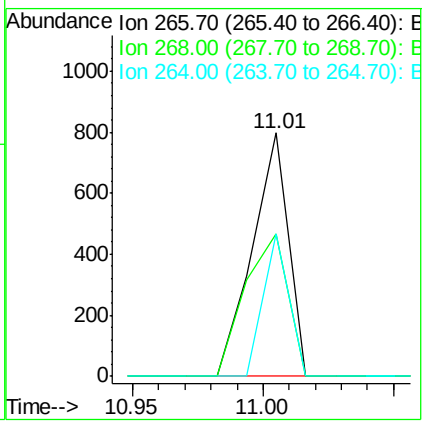


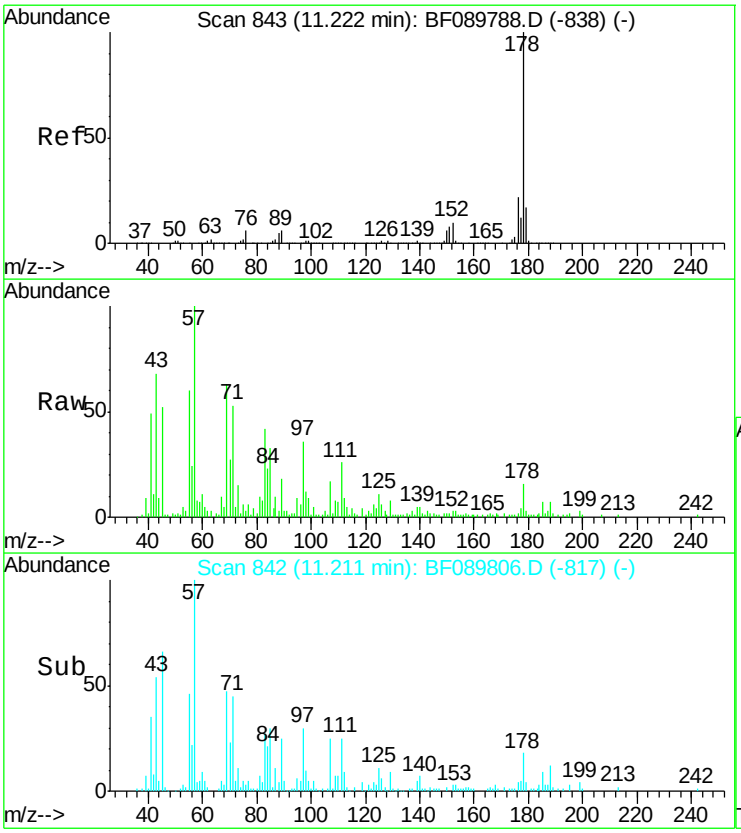
#69
Pentachlorophenol
Concen: 0.09 ng
RT: 11.01 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

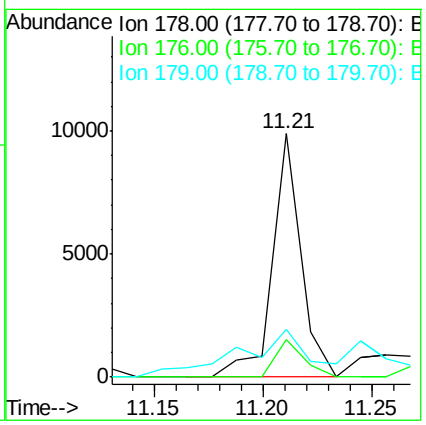


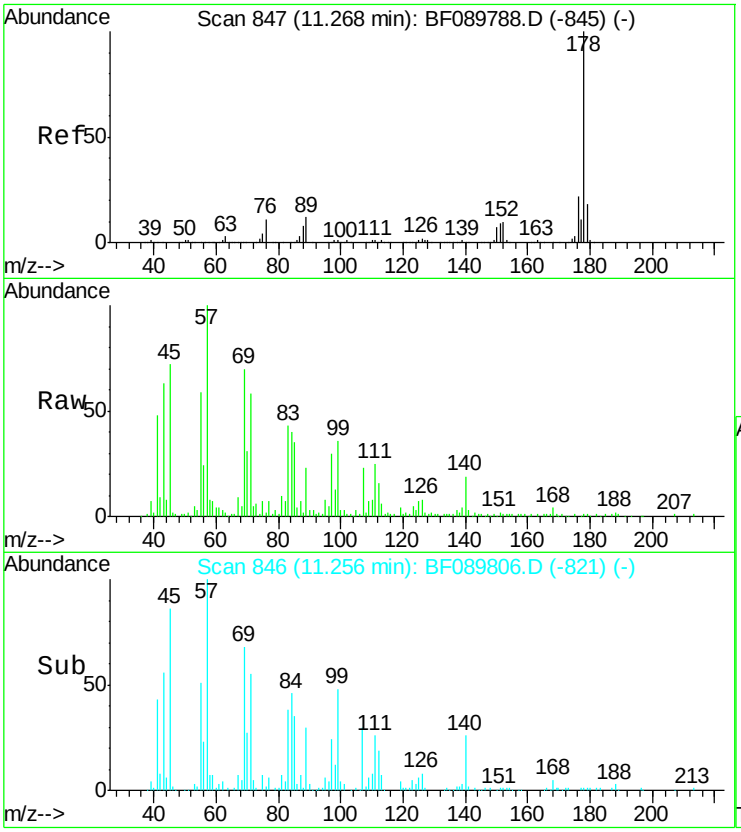


#70
Phenanthrene
Concen: 0.14 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



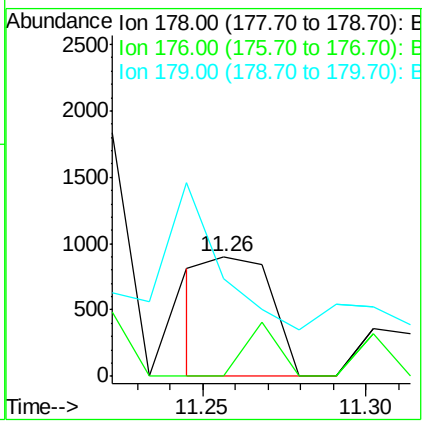


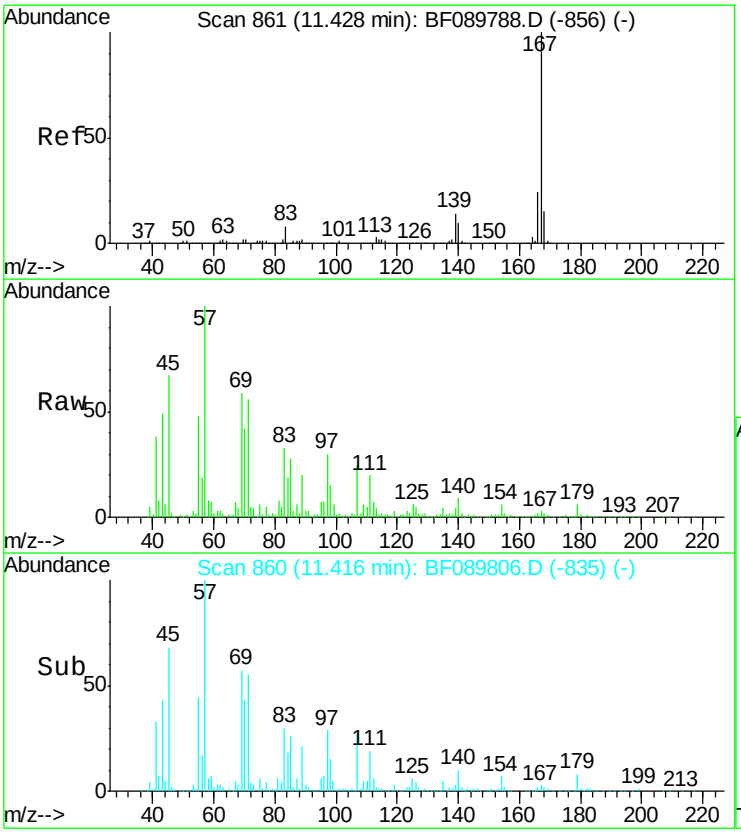
#71
Anthracene
Concen: 0.02 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

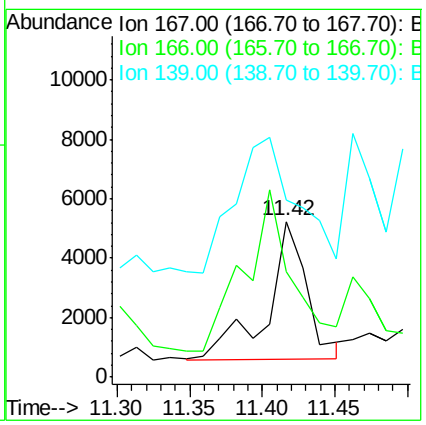


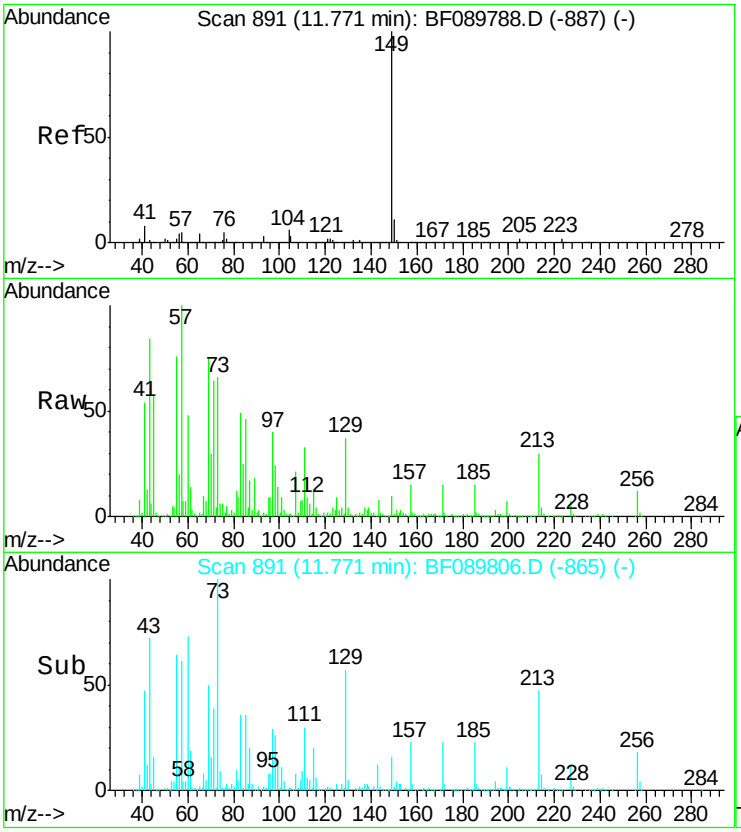


#72
Carbazole
Concen: 0.15 ng
RT: 11.42 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



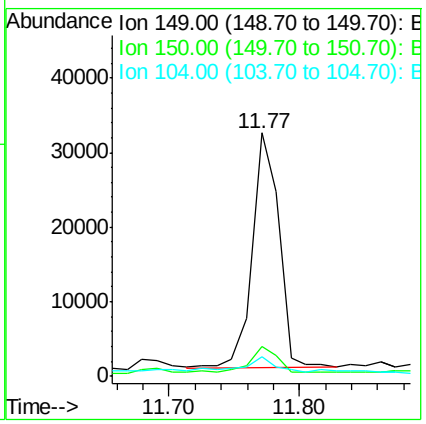


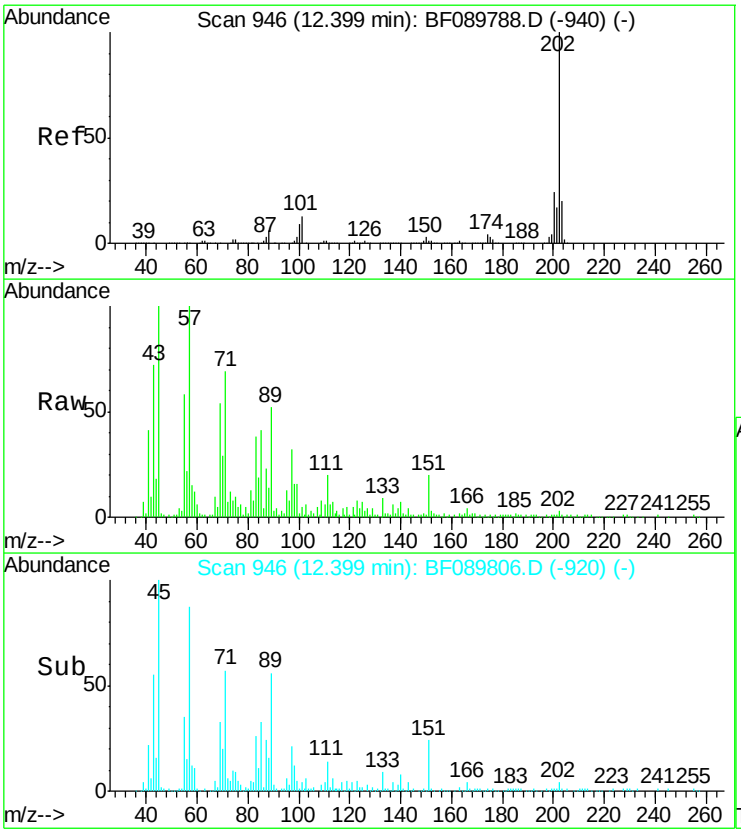
#73
Di-n-butylphthalate
Concen: 0.60 ng
RT: 11.77 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

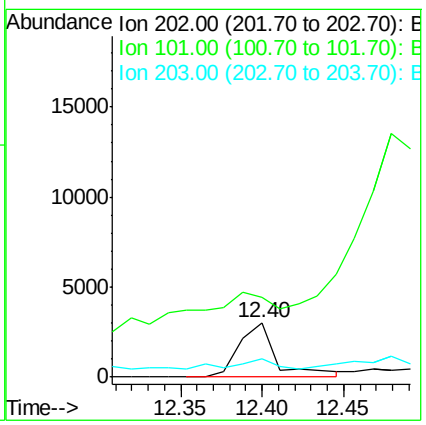


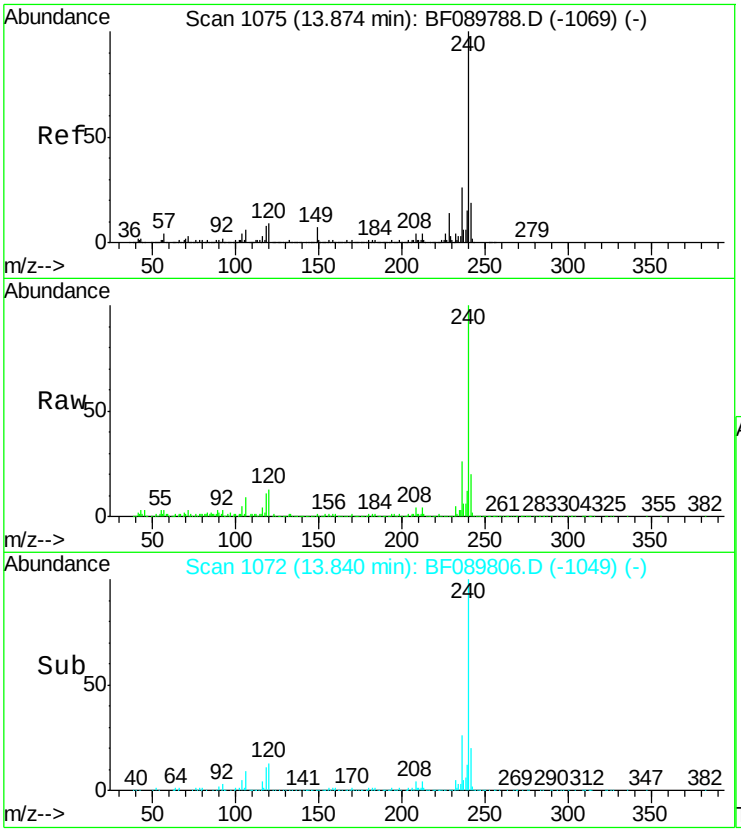


#74
Fluoranthene
Concen: 0.08 ng
RT: 12.40 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



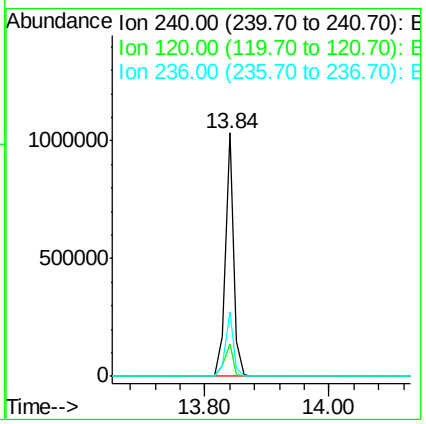


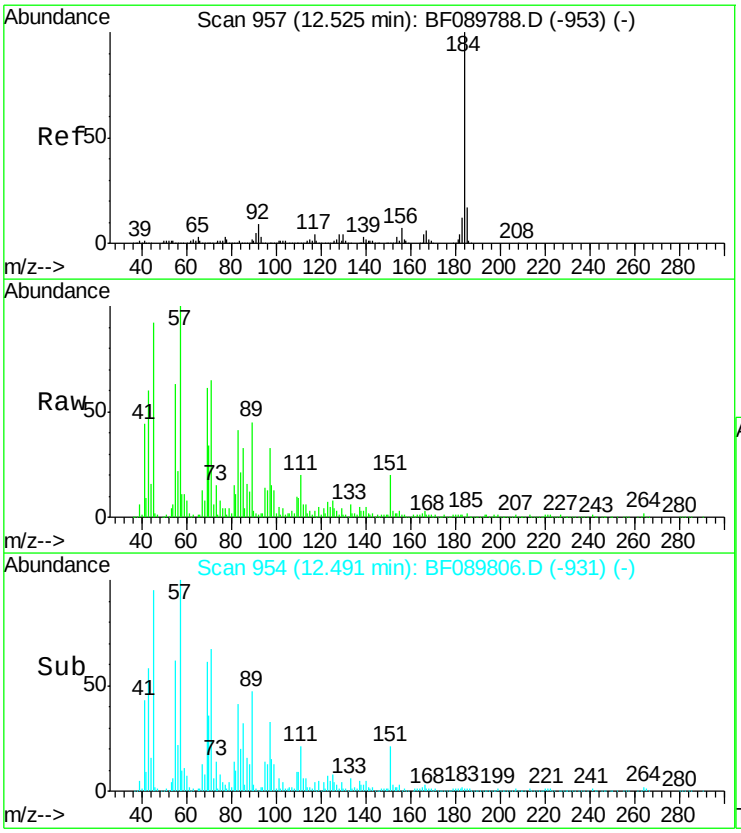
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

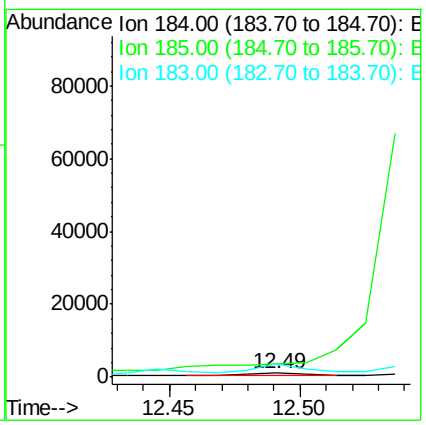


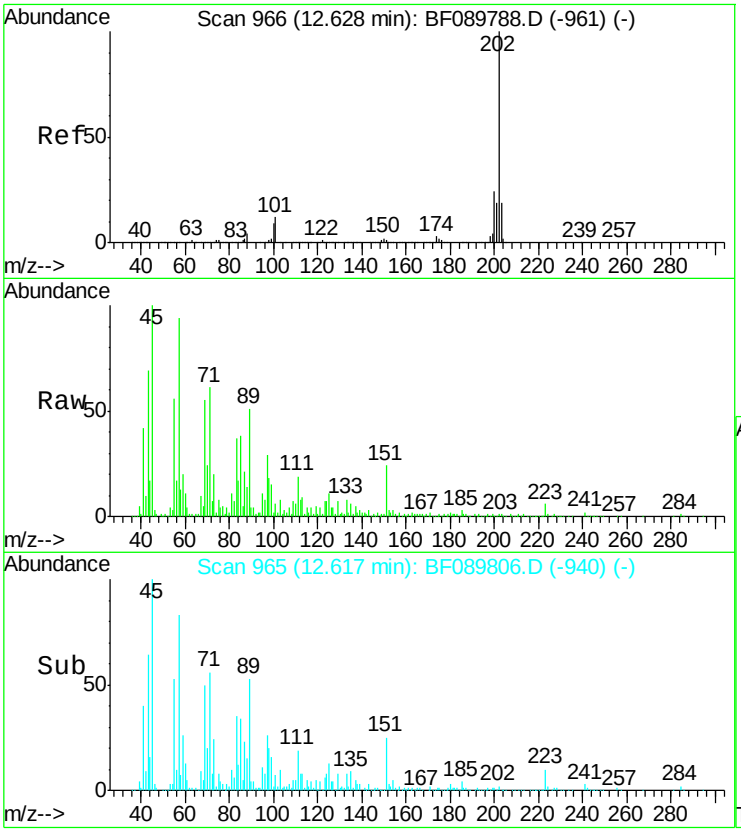


#76
Benzidine
Concen: 0.04 ng
RT: 12.49 min Scan# 954
Delta R.T. -0.03 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



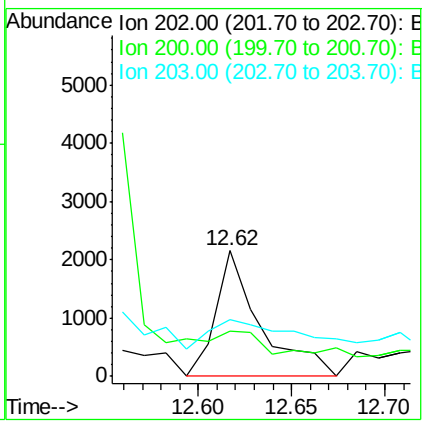


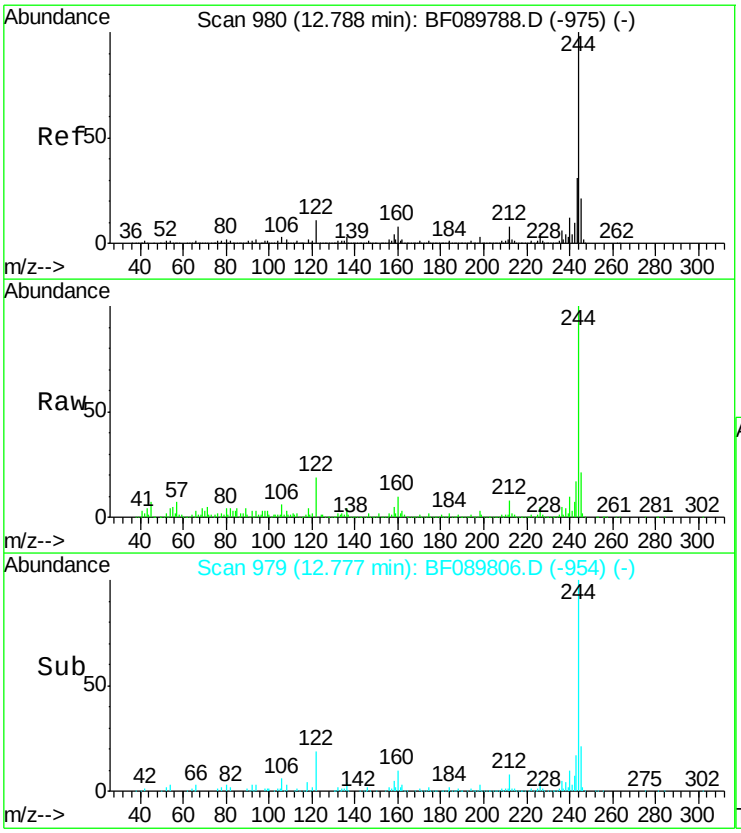
#77
Pyrene
Concen: 0.05 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
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#

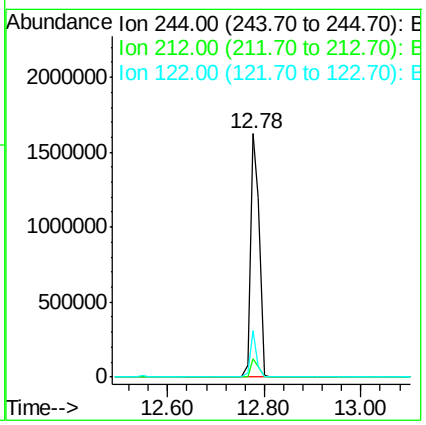


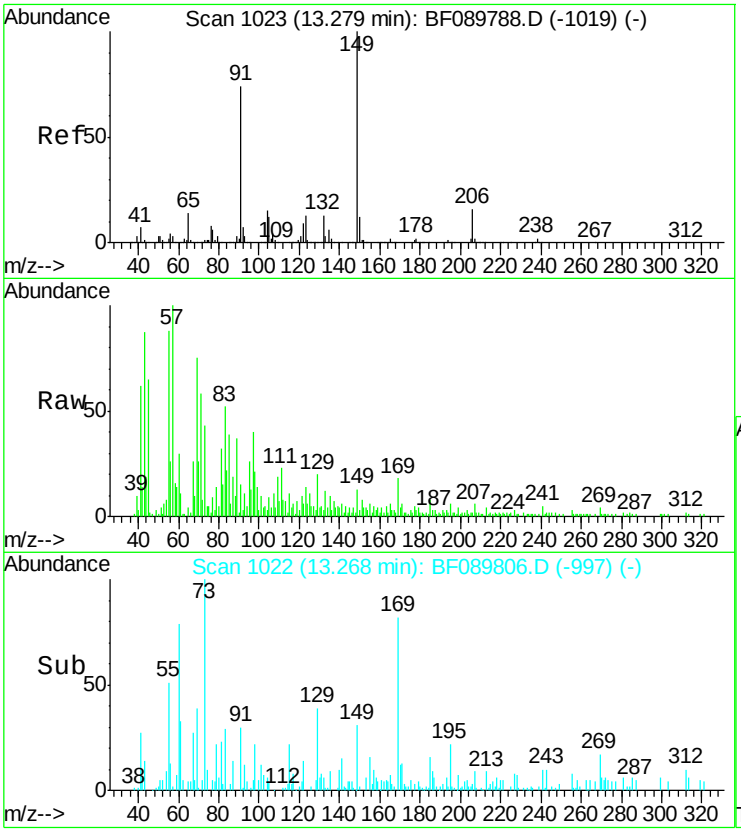


#78
Terphenyl-d14
Concen: 48.12 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



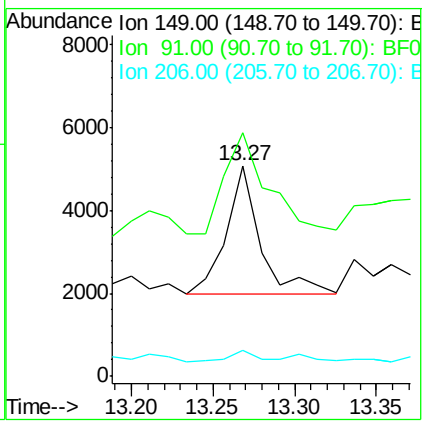


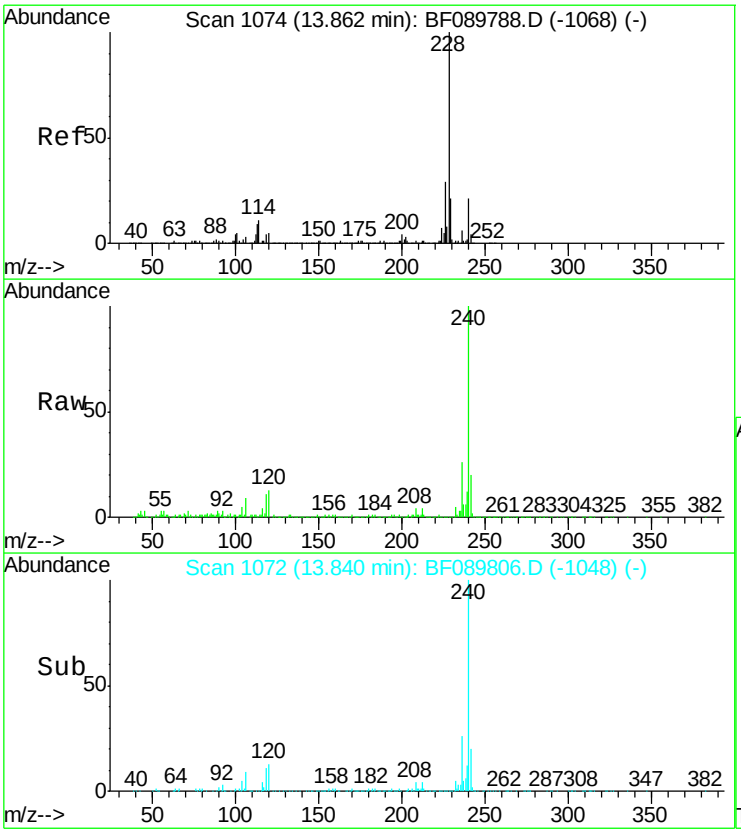
#79
Butylbenzylphthalate
Concen: 0.13 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

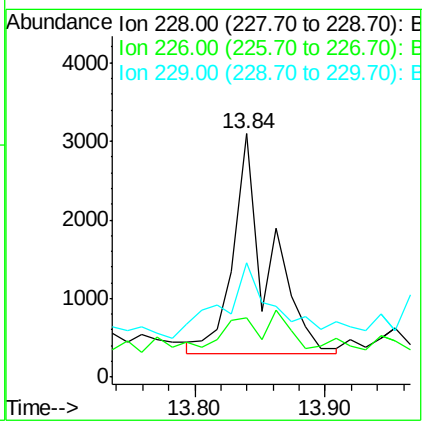


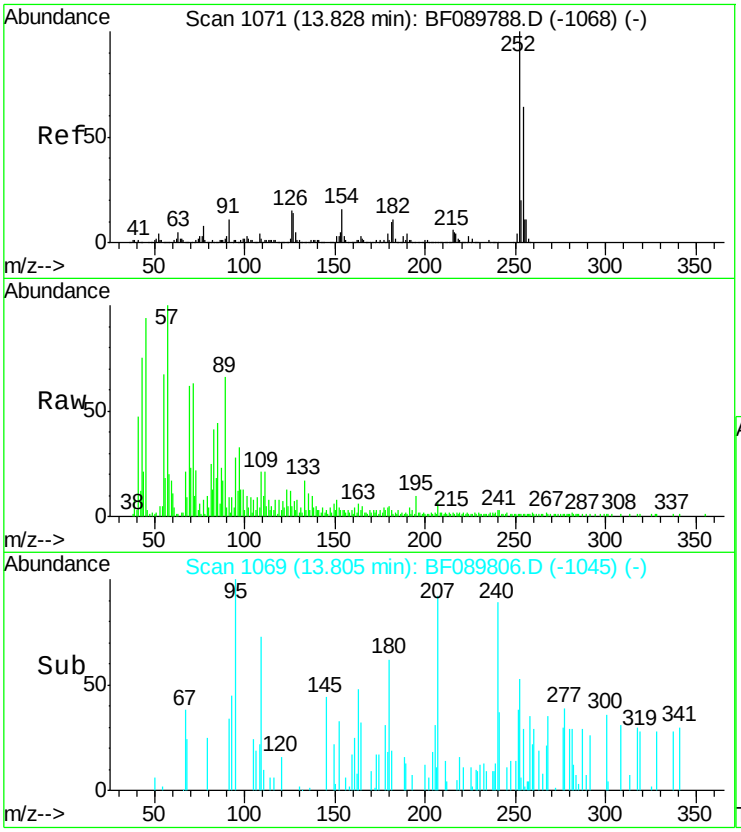


#80
Benzo(a)anthracene
Concen: 0.10 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



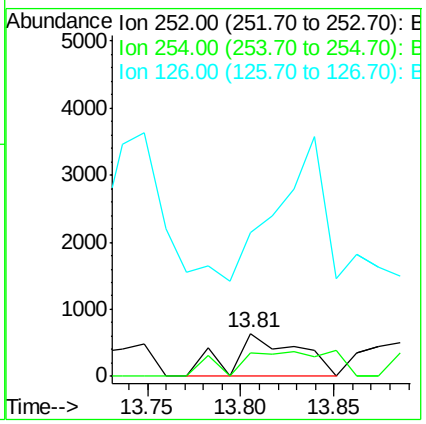


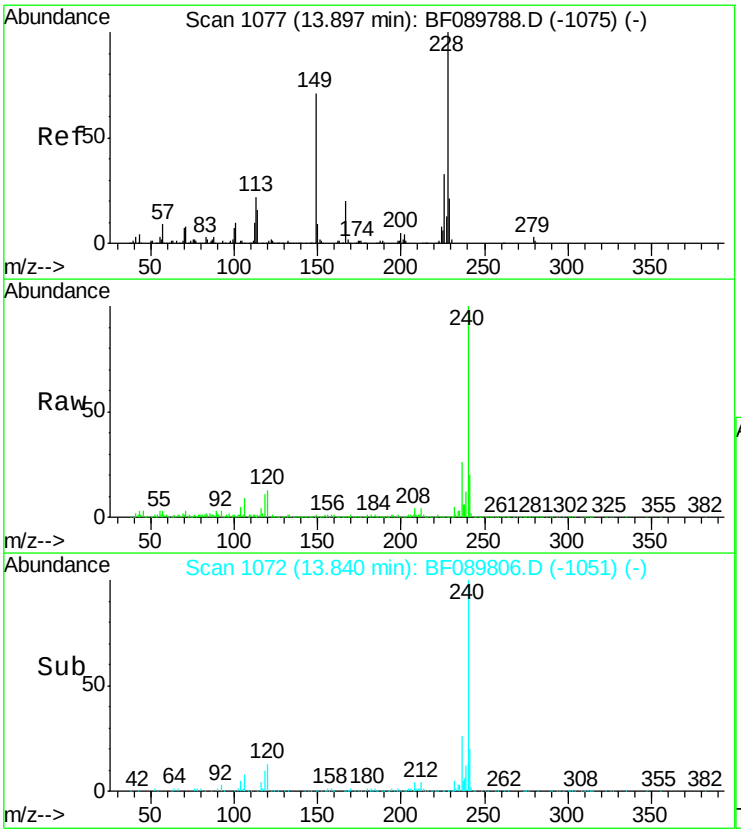
#81
3,3'-Dichlorobenzidine
Concen: 0.09 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

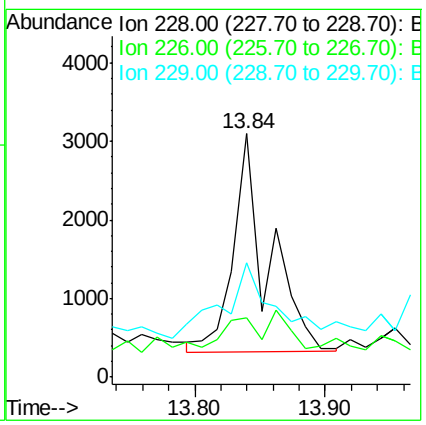


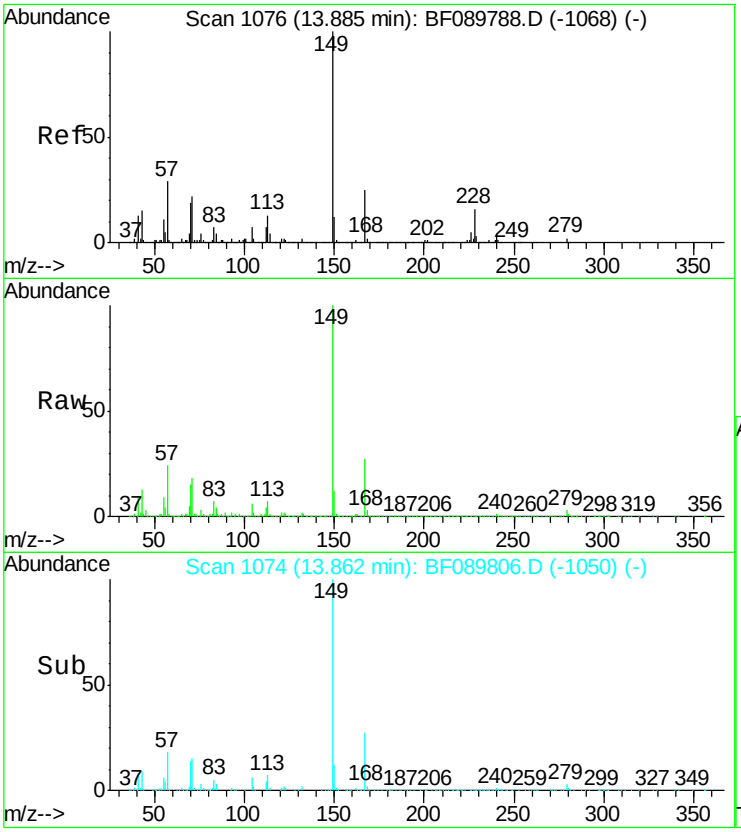


#82
Chrysene
Concen: 0.11 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.06 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



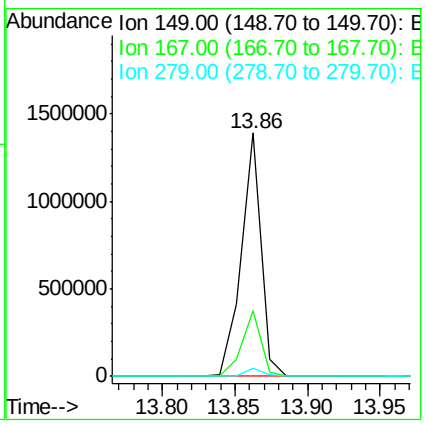


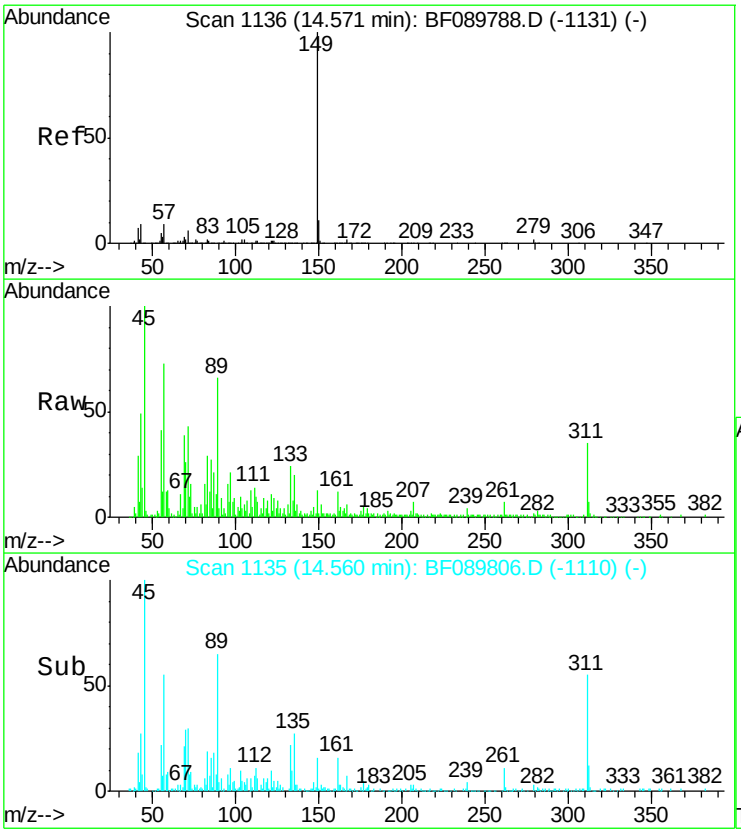
#83
Bis(2-ethylhexyl)phthalate
Concen: 27.24 ng
RT: 13.86 min Scan# 1074
Delta R.T. -0.02 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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

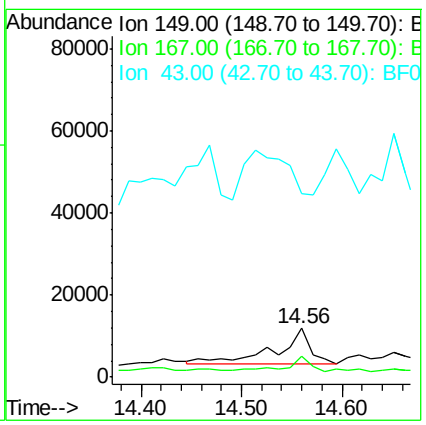


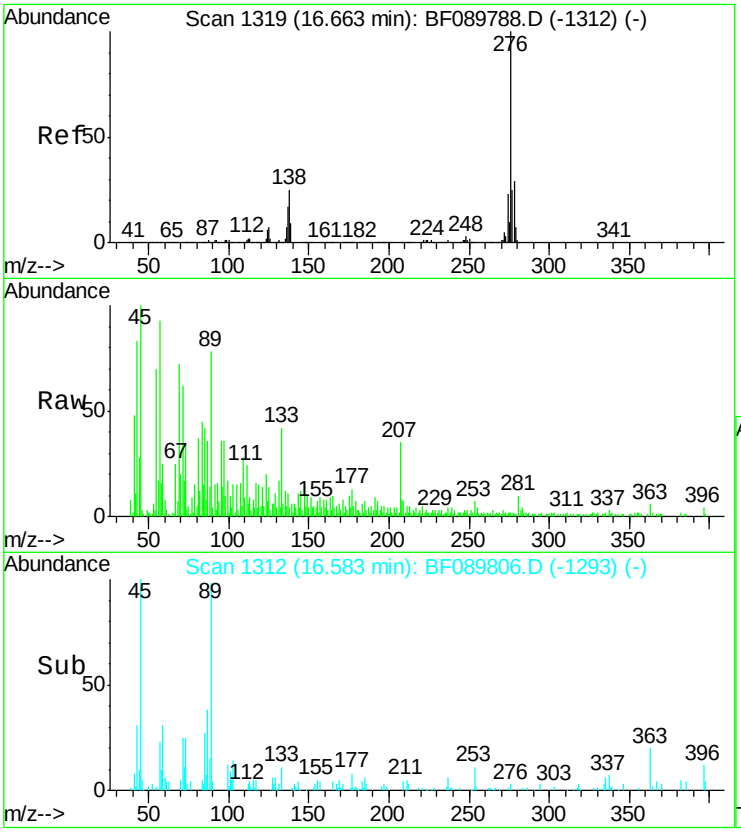


#84
Di-n-octyl phthalate
Concen: 0.30 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



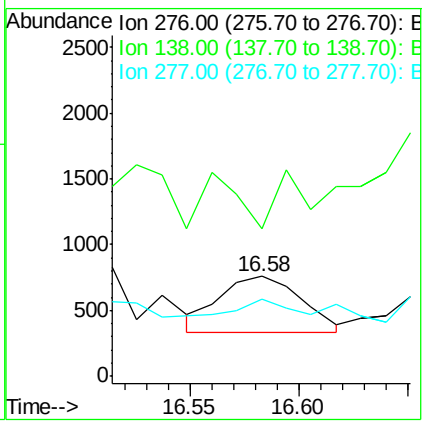


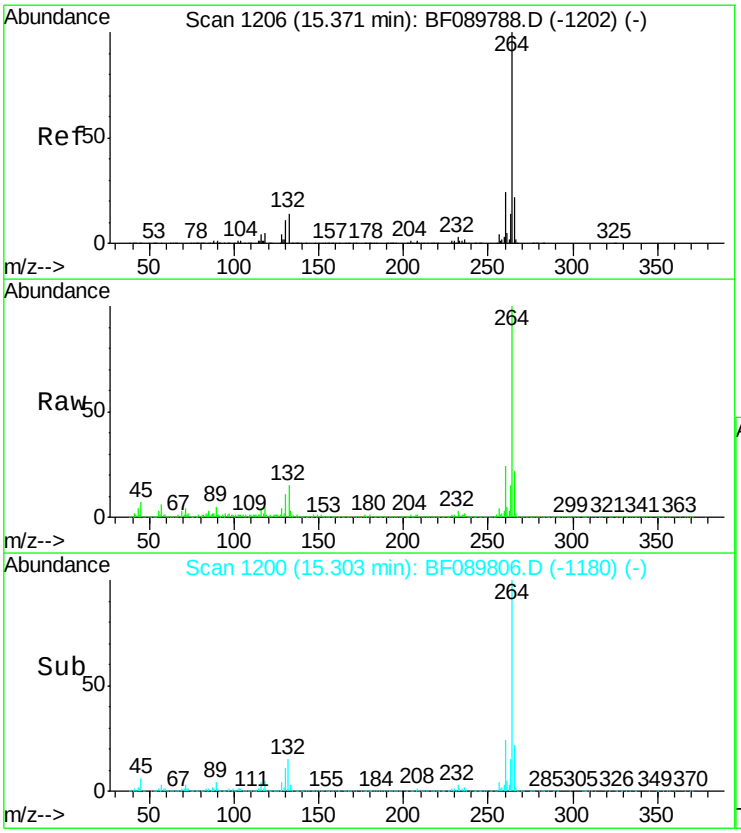
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 16.58 min Scan# 1312
Delta R.T. -0.08 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
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#

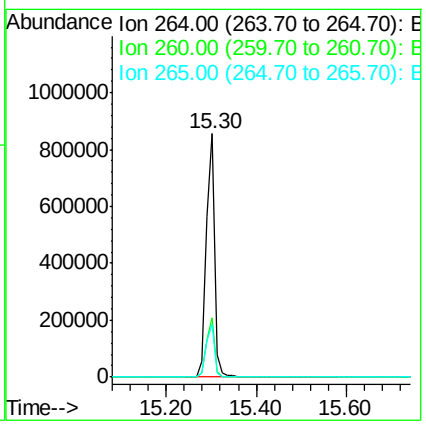


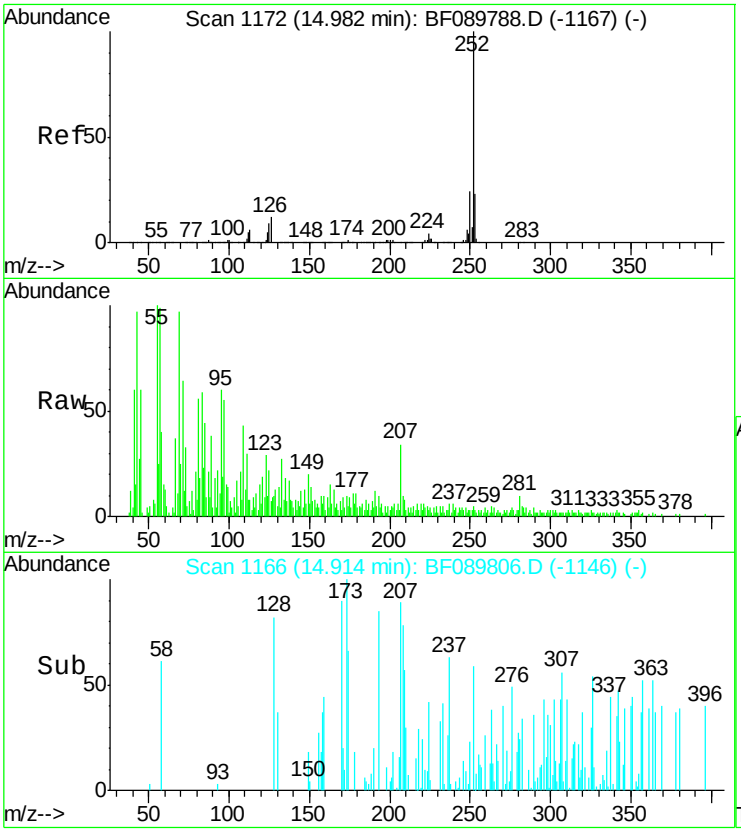


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.07 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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



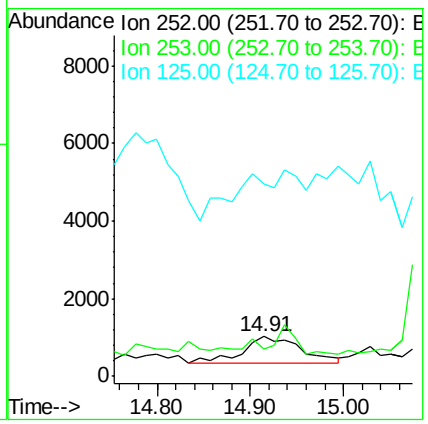


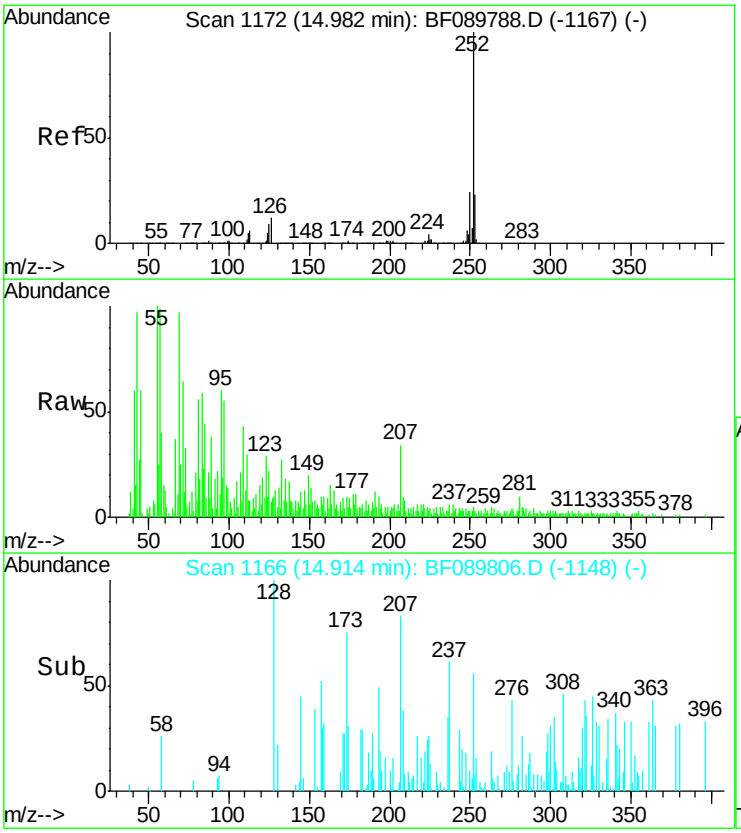
#87
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.07 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#

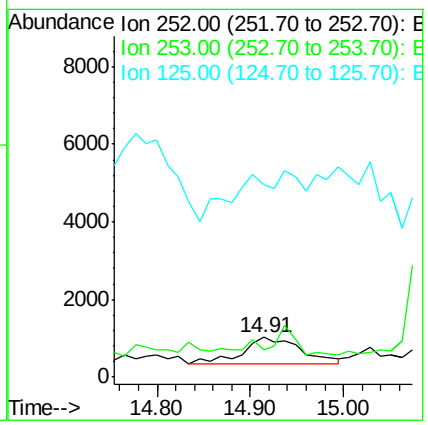


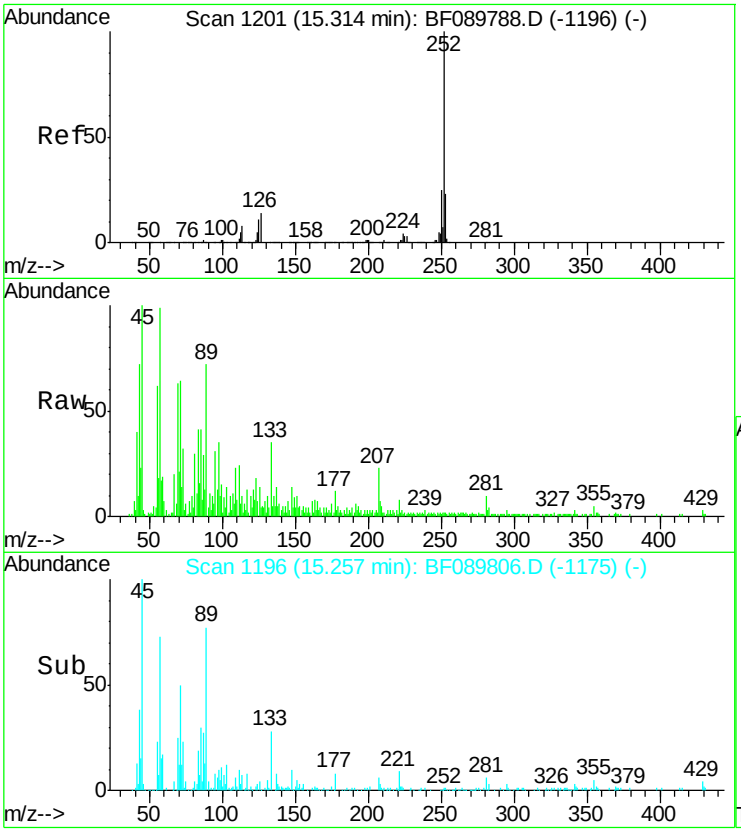


#88
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#



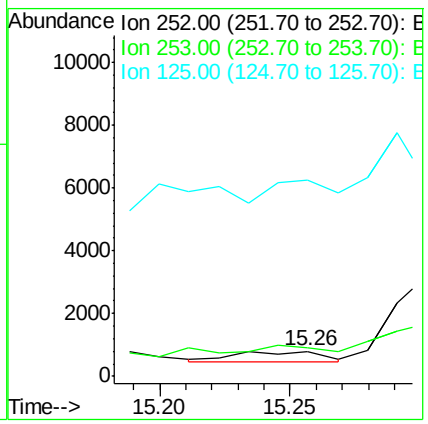


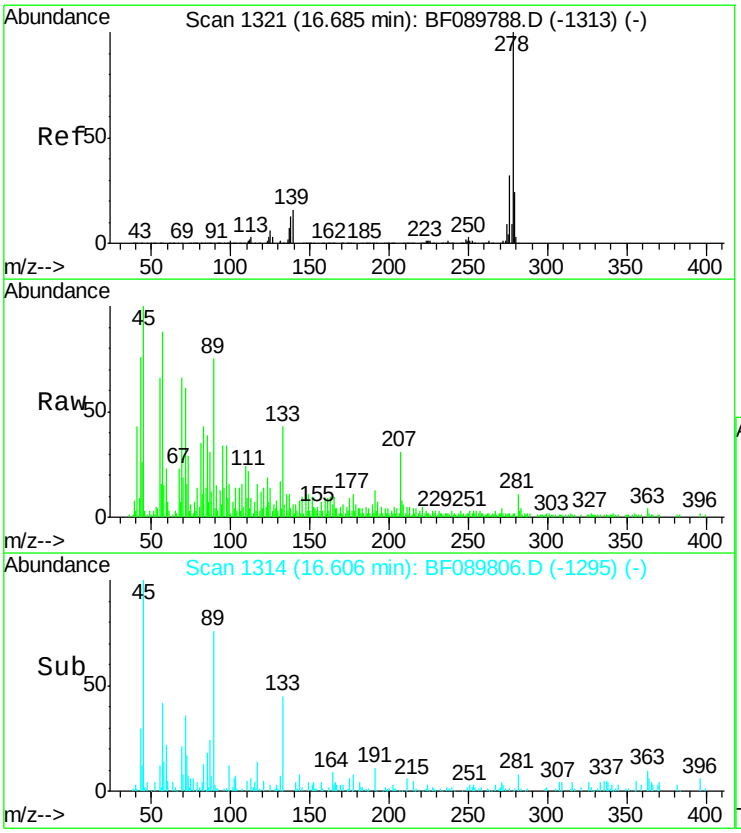
#89
Benzo(a)pyrene
Concen: 0.01 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.06 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

Instrument :
BNA_F
ClientSampleId :
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#

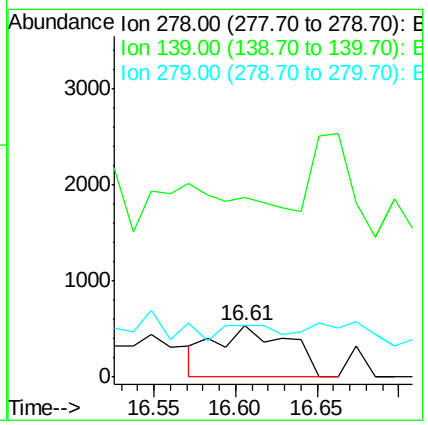


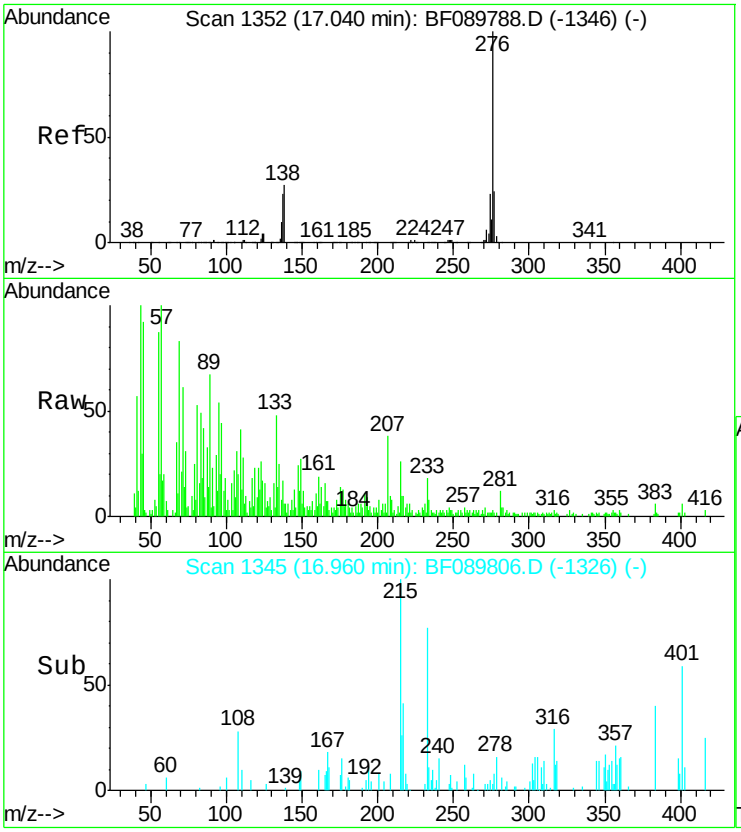


#90
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.08 min
Lab File: BF089806.D
Acq: 19 Aug 2016 20:00

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#





#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:276 Resp: 1243

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