```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089133.D
Acq On    : 20 Jul 2016  14:02
Operator  : UM/SJ
Sample    : SSTDICC050
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Jul 20 15:50:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 15:28:22 2016
Response via : Initial Calibration
```

Instrument : BNA_F
ClientSampleId : SSTDICC050

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	48987	20.00	ng		0.00
21) Naphthalene-d8	7.88	136	203131	20.00	ng		0.00
38) Acenaphthene-d10	9.63	164	95269	20.00	ng		0.00
63) Phenanthrene-d10	11.11	188	192139	20.00	ng		0.00
75) Chrysene-d12	13.73	240	129054	20.00	ng		0.00
86) Perylene-d12	15.07	264	113673	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.19	112	319160	98.07	ng		0.00
7) Phenol-d6	6.27	99	400038	94.79	ng		0.00
23) Nitrobenzene-d5	7.18	82	376351	97.08	ng		0.00
41) 2,4,6-Tribromophenol	10.42	330	85106	97.84	ng		0.00
44) 2-Fluorobiphenyl	8.97	172	704366	111.31	ng		0.00
78) Terphenyl-d14	12.69	244	628508	109.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.04	88	64590	40.52	ng		93
3) Pyridine	2.67	79	185483	40.62	ng		97
4) n-Nitrosodimethylamine	2.64	42	78592	44.57	ng		99
6) Aniline	6.27	93	273402	45.26	ng		94
8) 2-Chlorophenol	6.40	128	174941	49.49	ng		97
9) Benzaldehyde	6.15	77	102847	36.91	ng		97
10) Phenol	6.28	94	232337	48.27	ng		90
11) bis(2-Chloroethyl)ether	6.35	93	179568	49.50	ng		96
12) 1,3-Dichlorobenzene	6.55	146	191686m	49.35	ng		
13) 1,4-Dichlorobenzene	6.62	146	190954	49.56	ng		100
14) 1,2-Dichlorobenzene	6.78	146	191424	52.13	ng		98
15) Benzyl Alcohol	6.76	79	152277	49.18	ng		98
16) 2,2'-oxybis(1-Chloropropan	6.89	45	206480	40.94	ng		99
17) 2-Methylphenol	6.89	107	140036	49.08	ng		99
18) Hexachloroethane	7.11	117	74391	50.31	ng		98
19) n-Nitroso-di-n-propylamine	7.04	70	137449	47.67	ng		94
20) 3+4-Methylphenols	7.05	107	190866	54.06	ng		99
22) Acetophenone	7.03	105	262279	52.20	ng	#	97
24) Nitrobenzene	7.20	77	210367	53.00	ng		92
25) Isophorone	7.44	82	345693	48.11	ng		97
26) 2-Nitrophenol	7.51	139	91846	55.77	ng		99
27) 2,4-Dimethylphenol	7.56	122	149744	45.67	ng		100
28) bis(2-Chloroethoxy)methane	7.66	93	222680	47.11	ng		99
29) 2,4-Dichlorophenol	7.76	162	140053	51.15	ng		98
30) 1,2,4-Trichlorobenzene	7.84	180	158136	52.91	ng		99
31) Naphthalene	7.91	128	507888	50.58	ng		100
32) Benzoic acid	7.74	122	126366	51.72	ng		98
33) 4-Chloroaniline	7.98	127	240665	53.74	ng		98
34) Hexachlorobutadiene	8.03	225	89056	55.25	ng		99
35) Caprolactam	8.36	113	46553	51.33	ng		98
36) 4-Chloro-3-methylphenol	8.47	107	169897	52.80	ng		96
37) 2-Methylnaphthalene	8.60	142	362882	54.64	ng		99
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	173559	54.76	ng		98
40) Hexachlorocyclopentadiene	8.75	237	53586	36.28	ng		100

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089133.D
Acq On   : 20 Jul 2016 14:02
Operator : UM/SJ
Sample   : SSTDICC050
Misc   :
ALS Vial : 7   Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSTDICC050

Quant Time: Jul 20 15:50:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 15:28:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	107906	51.24	ng		97
43) 2,4,5-Trichlorophenol	8.94	196	106415	58.39	ng		97
45) 1,1'-Biphenyl	9.07	154	418346	53.28	ng		94
46) 2-Chloronaphthalene	9.08	162	313182	50.79	ng		100
47) 2-Nitroaniline	9.20	65	117961	54.87	ng	#	64
48) Acenaphthylene	9.50	152	492906	50.16	ng		100
49) Dimethylphthalate	9.38	163	388374	55.69	ng		98
50) 2,6-Dinitrotoluene	9.44	165	84603	54.43	ng	#	77
51) Acenaphthene	9.67	154	287462	47.54	ng		100
52) 3-Nitroaniline	9.61	138	104737	55.11	ng		84
53) 2,4-Dinitrophenol	9.71	184	38650	57.04	ng	#	89
54) Dibenzofuran	9.84	168	392086	49.47	ng		99
55) 4-Nitrophenol	9.79	139	61511	43.70	ng		90
56) 2,4-Dinitrotoluene	9.84	165	98878	49.40	ng		89
57) Fluorene	10.18	166	348867	55.19	ng		100
58) 2,3,4,6-Tetrachlorophenol	9.96	232	69379	49.60	ng		95
59) Diethylphthalate	10.07	149	366978	53.74	ng		99
60) 4-Chlorophenyl-phenylether	10.18	204	167243	57.80	ng		95
61) 4-Nitroaniline	10.23	138	106275	57.01	ng		95
62) Azobenzene	10.34	77	389396	50.25	ng		82
64) 4,6-Dinitro-2-methylphenol	10.25	198	59888	57.82	ng	#	71
65) n-Nitrosodiphenylamine	10.31	169	329215	51.51	ng		98
66) 4-Bromophenyl-phenylether	10.66	248	92062	47.59	ng		96
67) Hexachlorobenzene	10.73	284	105120	49.81	ng	#	95
68) Atrazine	10.83	200	88697	44.15	ng		99
69) Pentachlorophenol	10.92	266	49663	40.81	ng		98
70) Phenanthrene	11.13	178	480290	45.88	ng		100
71) Anthracene	11.19	178	574501	54.62	ng		100
72) Carbazole	11.35	167	491819	49.18	ng		99
73) Di-n-butylphthalate	11.68	149	558244	48.85	ng		100
74) Fluoranthene	12.31	202	513278	48.96	ng		100
76) Benzidine	12.45	184	228328	36.85	ng		99
77) Pyrene	12.54	202	543516	50.14	ng		100
79) Butylbenzylphthalate	13.17	149	226908	46.95	ng		97
80) Benzo(a)anthracene	13.71	228	422136	51.11	ng		100
81) 3,3'-Dichlorobenzidine	13.69	252	141314	45.21	ng		97
82) Chrysene	13.76	228	446064	54.24	ng		99
83) Bis(2-ethylhexyl)phthalate	13.73	149	304208	54.82	ng		99
84) Di-n-octyl phthalate	14.34	149	515381	54.69	ng		99
85) Indeno(1,2,3-cd)pyrene	16.31	276	294178	46.89	ng		100
87) Benzo(b)fluoranthene	14.72	252	433190m	57.83	ng		
88) Benzo(k)fluoranthene	14.74	252	274146m	45.89	ng		
89) Benzo(a)pyrene	15.02	252	317356	52.47	ng		99
90) Dibenzo(a,h)anthracene	16.32	278	254023	50.42	ng		96
91) Benzo(g,h,i)perylene	16.67	276	253797	48.91	ng		98

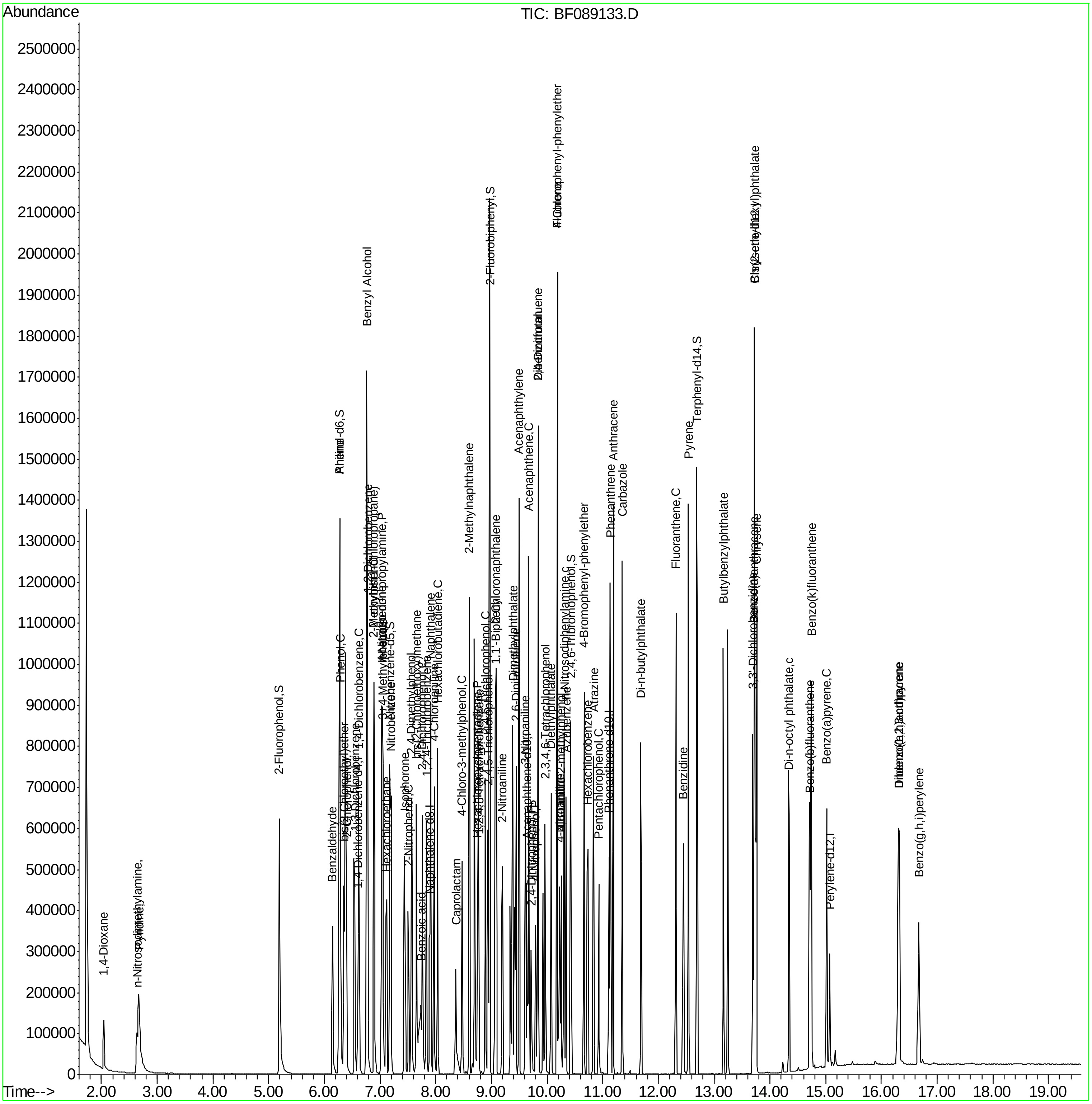
(#) = qualifier out of range (m) = manual integration (+) = signals summed

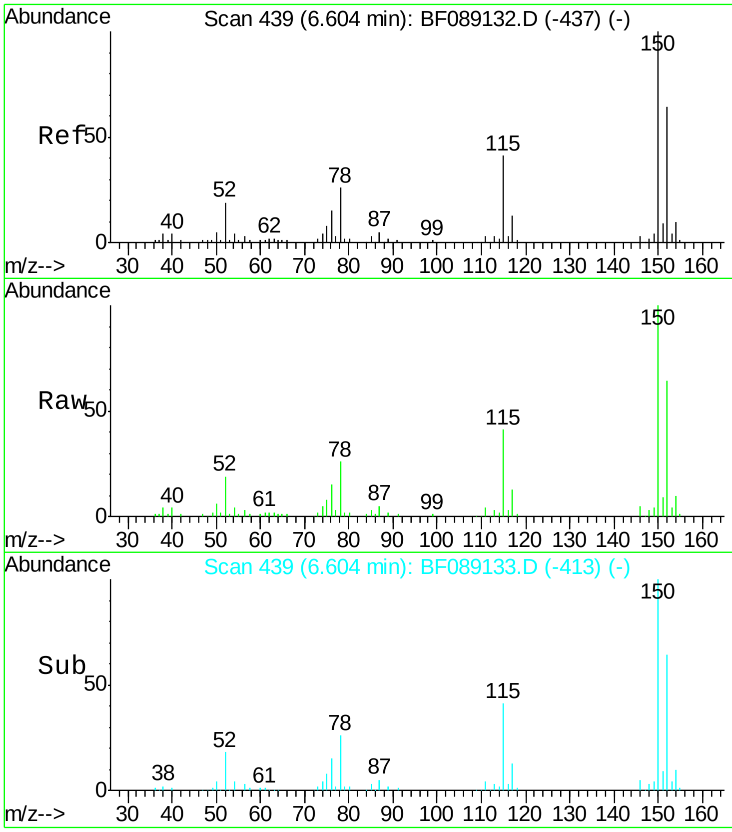
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089133.D
Acq On : 20 Jul 2016 14:02
Operator : UM/SJ
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 20 15:50:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 15:28:22 2016
Response via : Initial Calibration



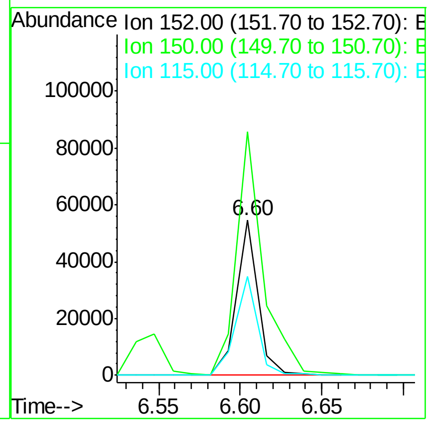


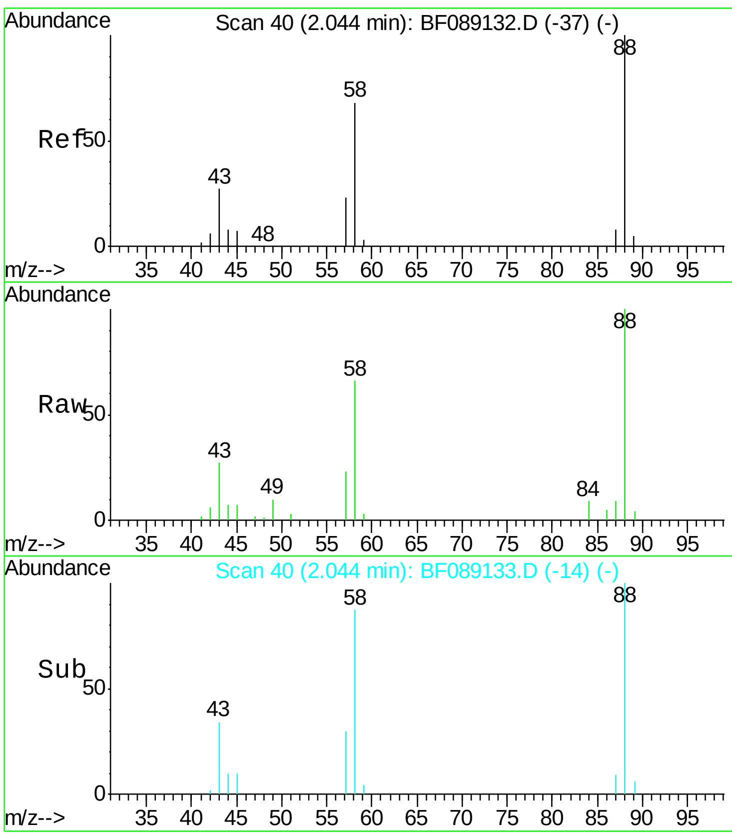
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 48987

Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.1	187.7
115	64.1	51.1	76.7

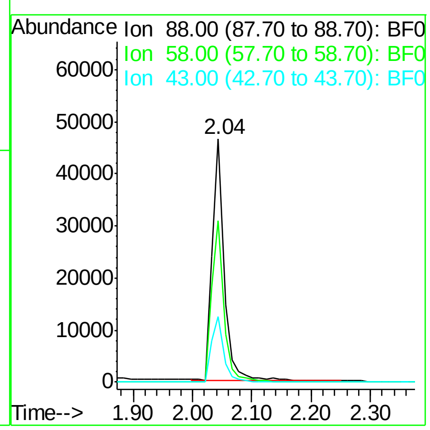




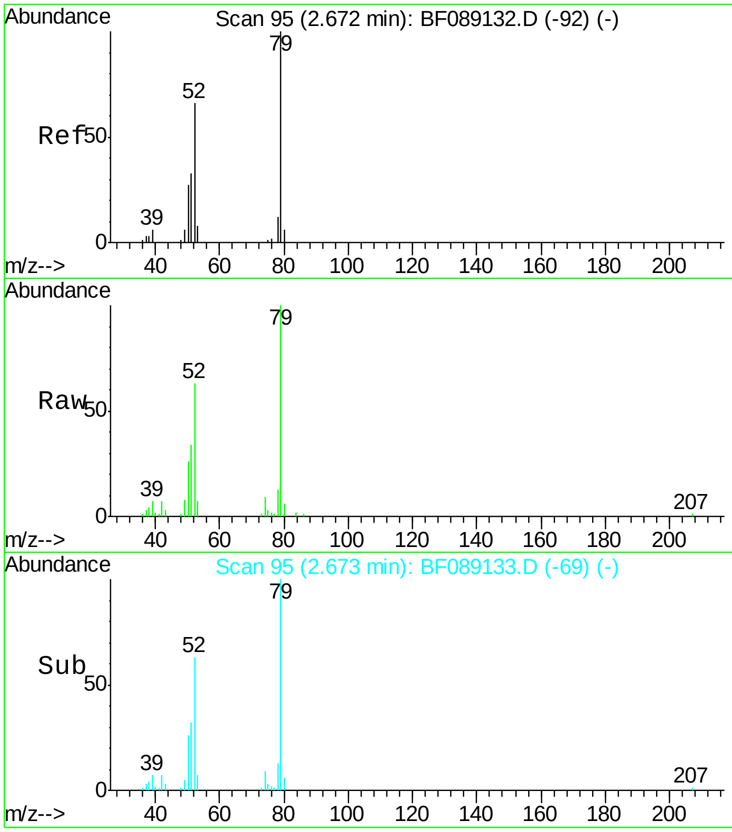
#2
1,4-Dioxane
Concen: 40.52 ng
RT: 2.04 min Scan# 40
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 88 Resp: 64590

Ion	Ratio	Lower	Upper
88	100		
58	67.6	49.2	73.8
43	27.6	20.6	30.8



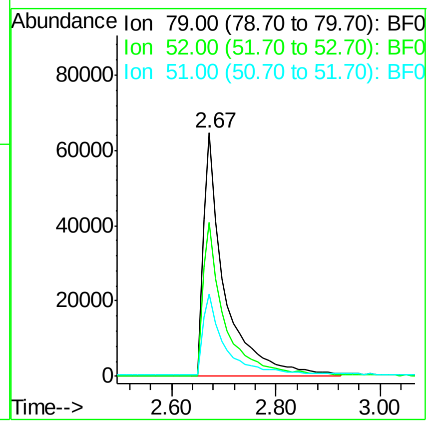
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

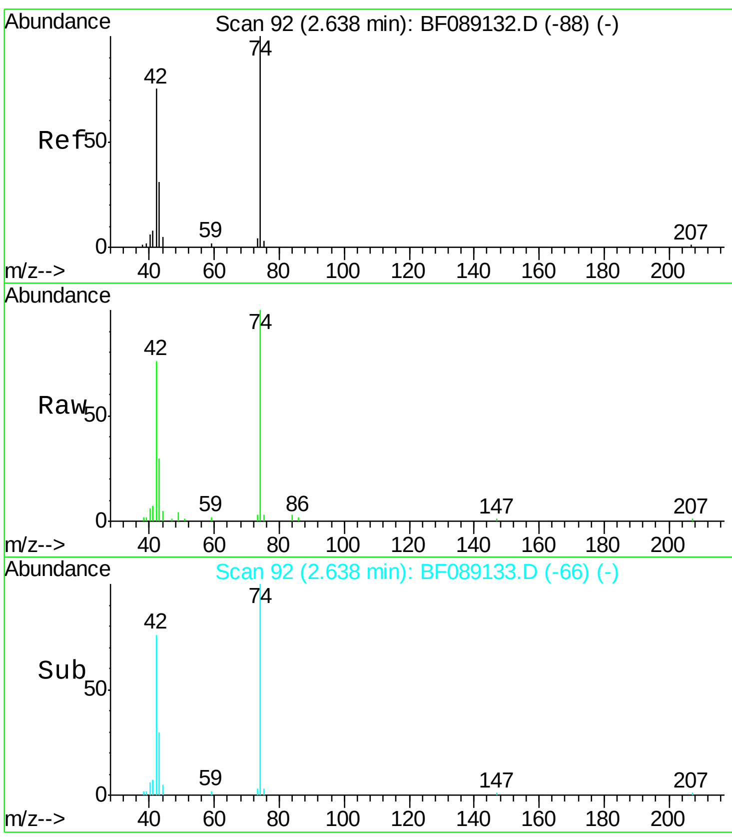


#3
Pyridine
Concen: 40.62 ng
RT: 2.67 min Scan# 95
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 79 Resp: 185483

Ion	Ratio	Lower	Upper
79	100		
52	63.1	52.9	79.3
51	33.7	27.0	40.6

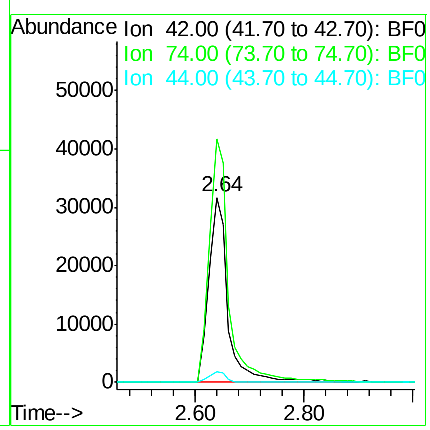




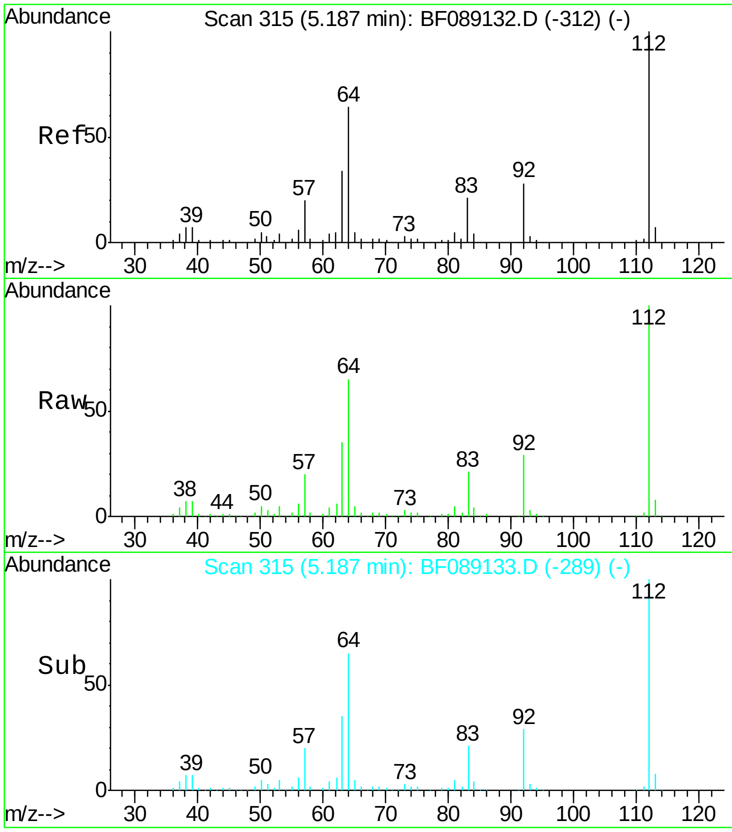
#4
n-Nitrosodimethylamine
Concen: 44.57 ng
RT: 2.64 min Scan# 92
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 42 Resp: 78592

Ion	Ratio	Lower	Upper
42	100		
74	131.7	106.4	159.6
44	6.1	5.2	7.8



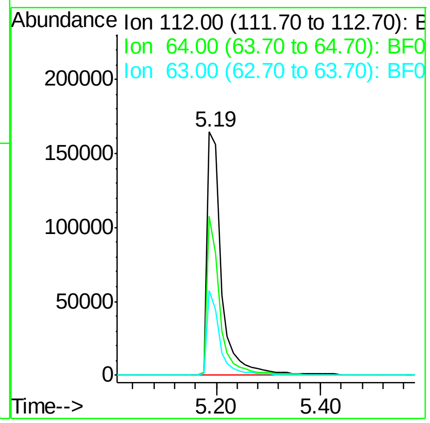
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

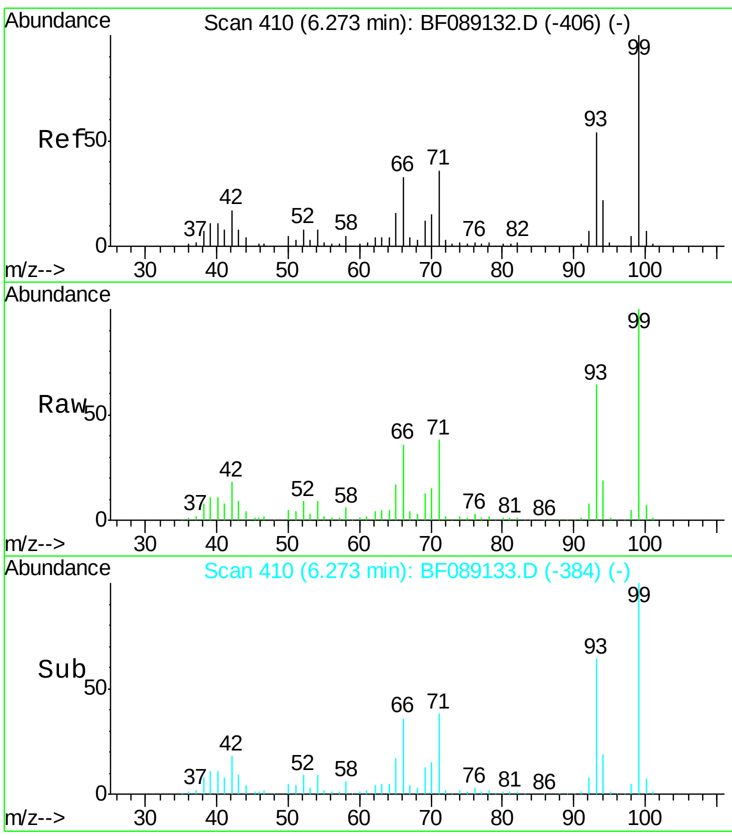


#5
2-Fluorophenol
Concen: 98.07 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:112 Resp: 319160

Ion	Ratio	Lower	Upper
112	100		
64	65.3	51.0	76.4
63	35.0	27.3	40.9

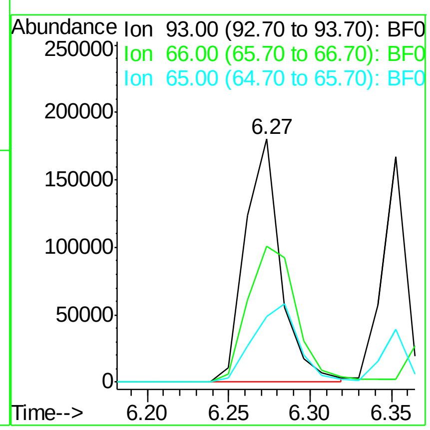


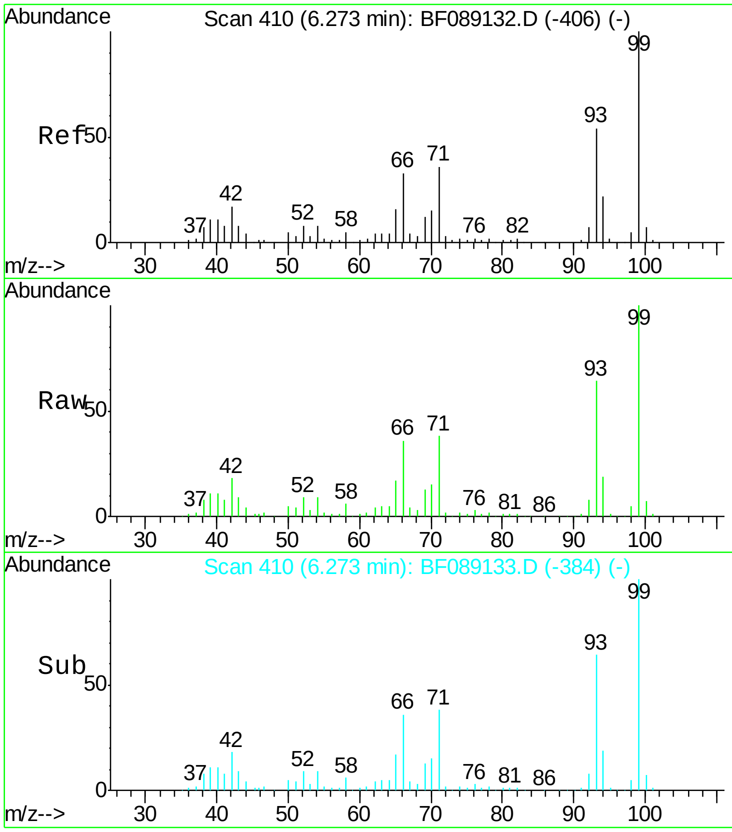


#6
Aniline
Concen: 45.26 ng
RT: 6.27 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 93 Resp: 273402

Ion	Ratio	Lower	Upper
93	100		
66	56.1	48.9	73.3
65	27.2	23.9	35.9



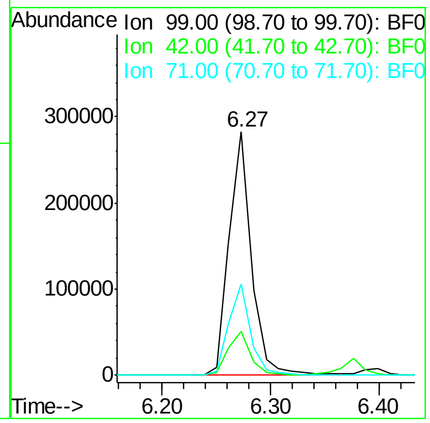


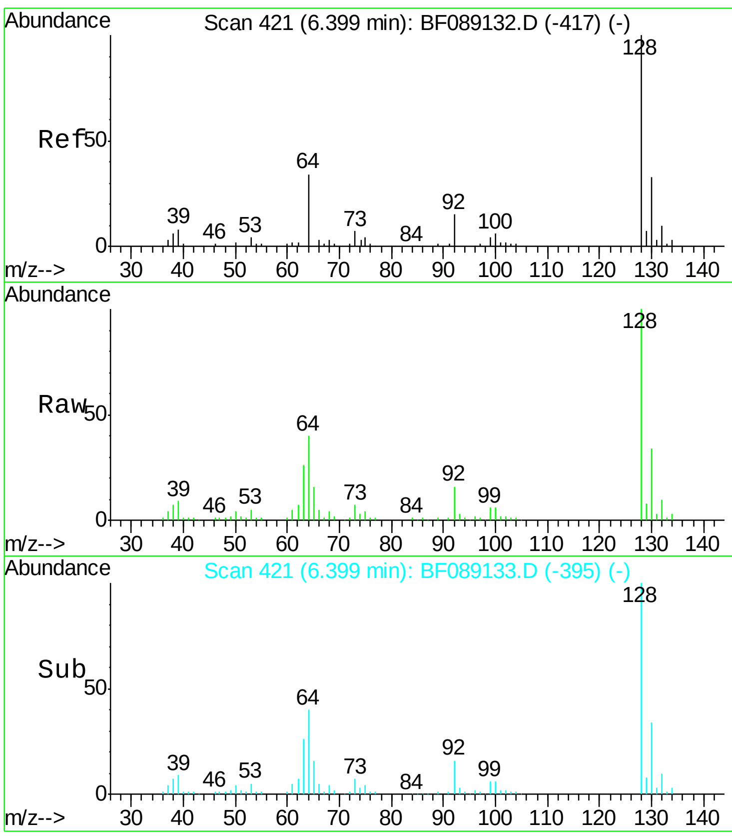
#7
Phenol-d6
Concen: 94.79 ng
RT: 6.27 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 400038

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.5	20.3
71	37.7	28.9	43.3

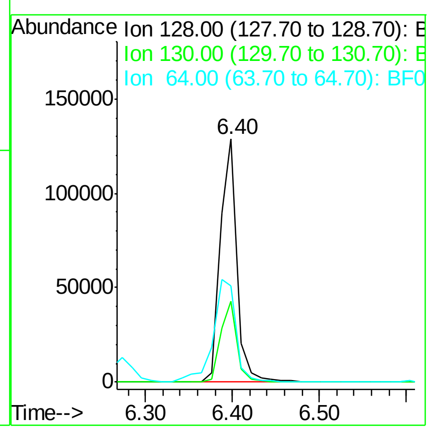




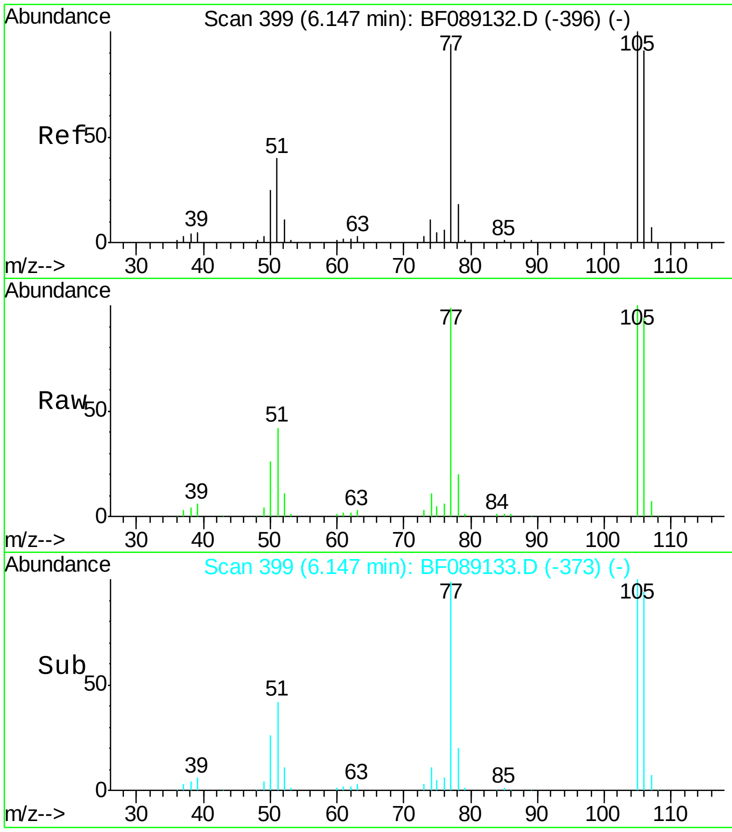
#8
2-Chlorophenol
Concen: 49.49 ng
RT: 6.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:128 Resp: 174941

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.6	52.6
64	39.5	17.5	57.5



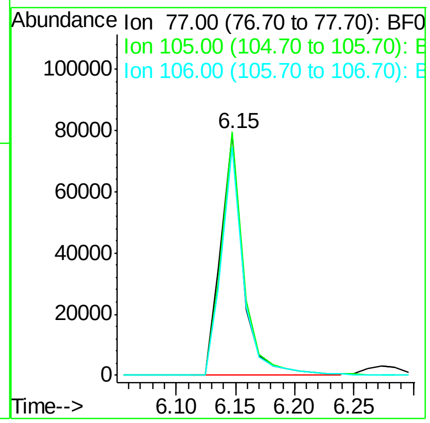
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

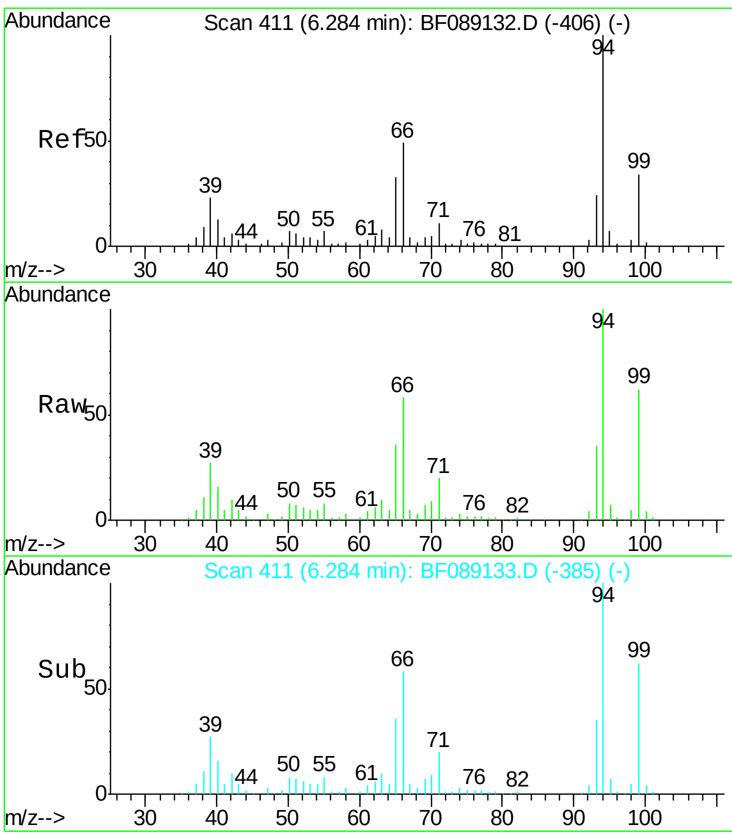


#9
Benzaldehyde
Concen: 36.91 ng
RT: 6.15 min   Scan# 399
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion: 77 Resp: 102847

Ion	Ratio	Lower	Upper
77	100		
105	101.0	86.2	126.2
106	94.6	76.3	116.3

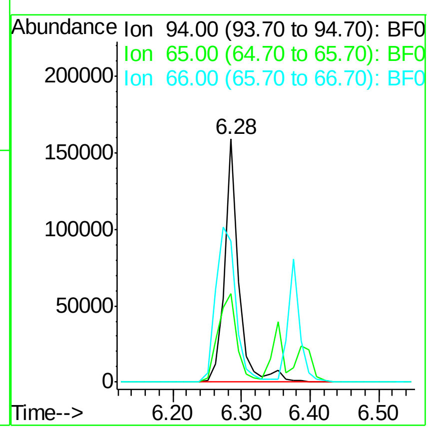


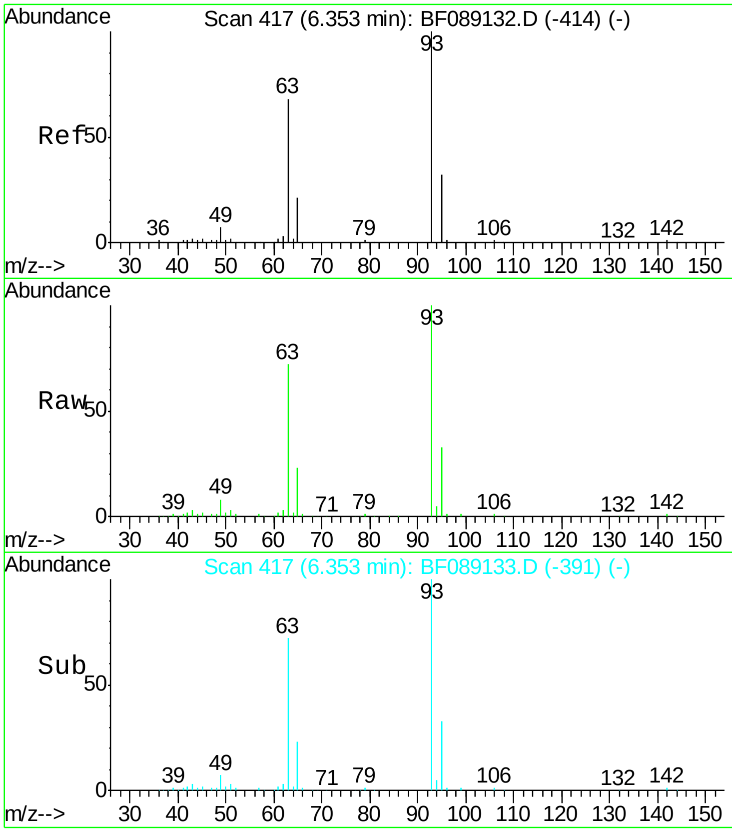


#10
Phenol
Concen: 48.27 ng
RT: 6.28 min   Scan# 411
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion: 94 Resp: 232337

Ion	Ratio	Lower	Upper
94	100		
65	36.4	13.3	53.3
66	58.1	29.3	69.3



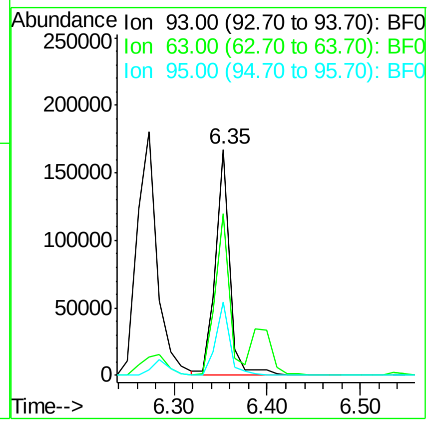


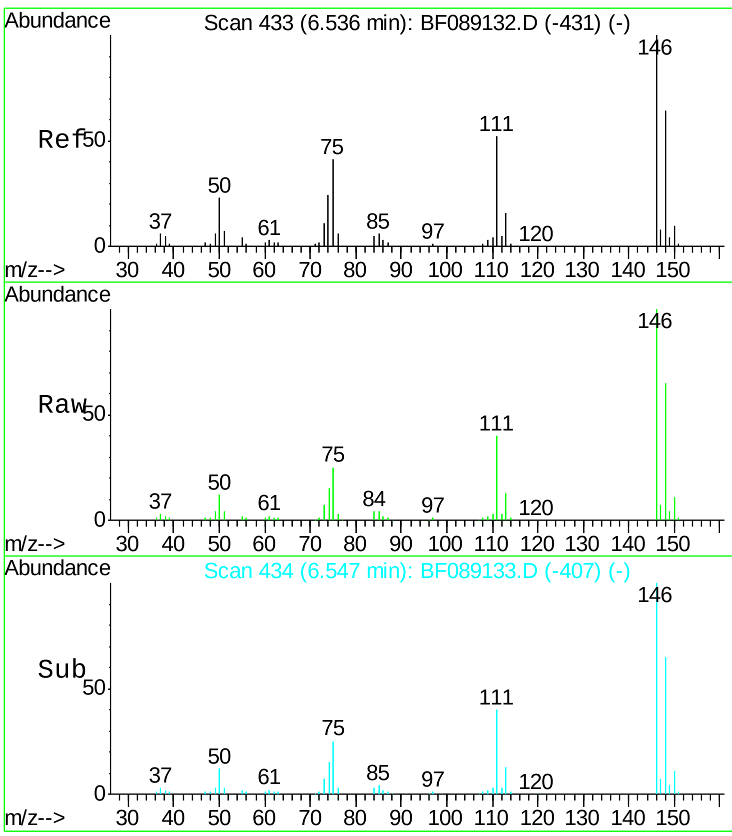
#11
bis(2-Chloroethyl)ether
Concen: 49.50 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 179568

Ion	Ratio	Lower	Upper
93	100		
63	71.7	47.3	87.3
95	32.7	11.8	51.8

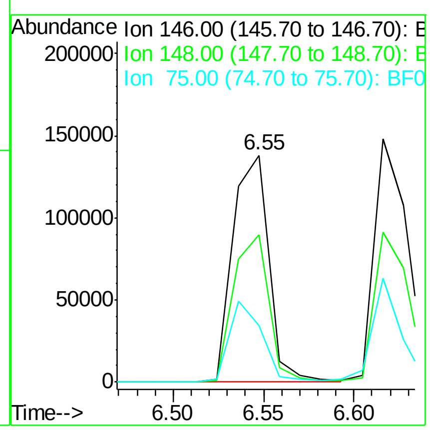


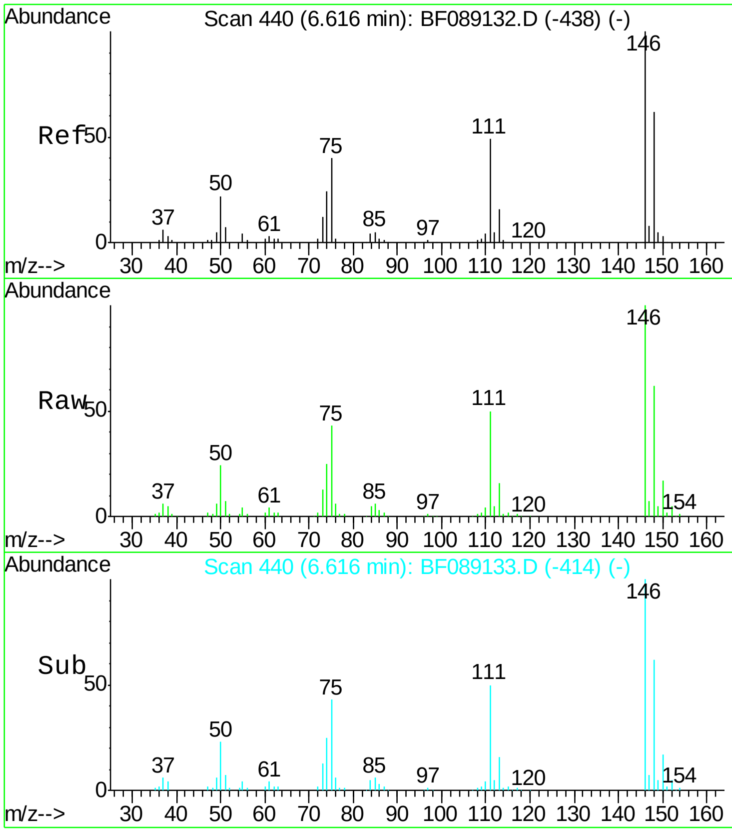


#12
1,3-Dichlorobenzene
Concen: 49.35 ng m
RT: 6.55 min Scan# 434
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:146 Resp: 191686

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.6
75	25.0	32.5	48.7#



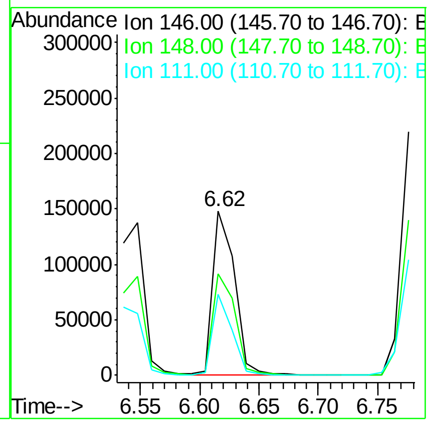


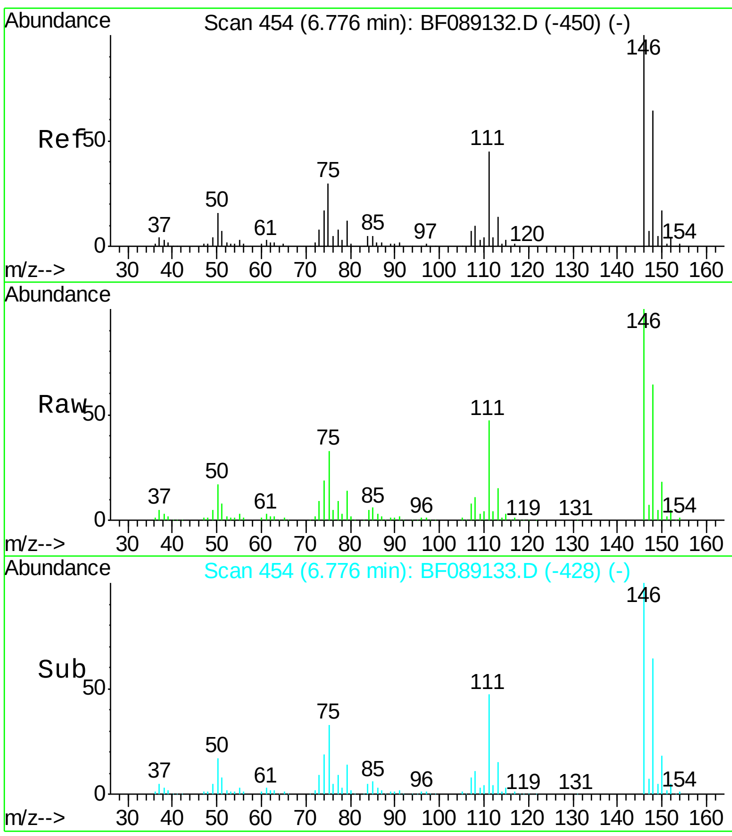
#13
1,4-Dichlorobenzene
Concen: 49.56 ng
RT: 6.62 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 190954

Ion	Ratio	Lower	Upper
146	100		
148	61.8	49.9	74.9
111	49.7	39.8	59.6

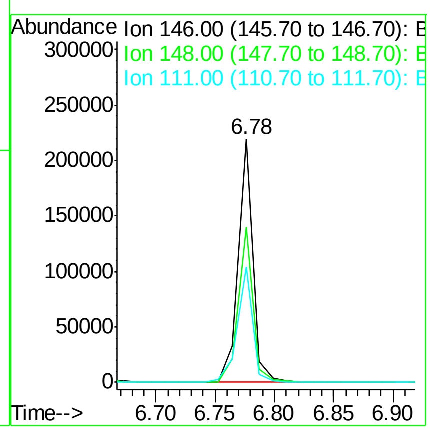


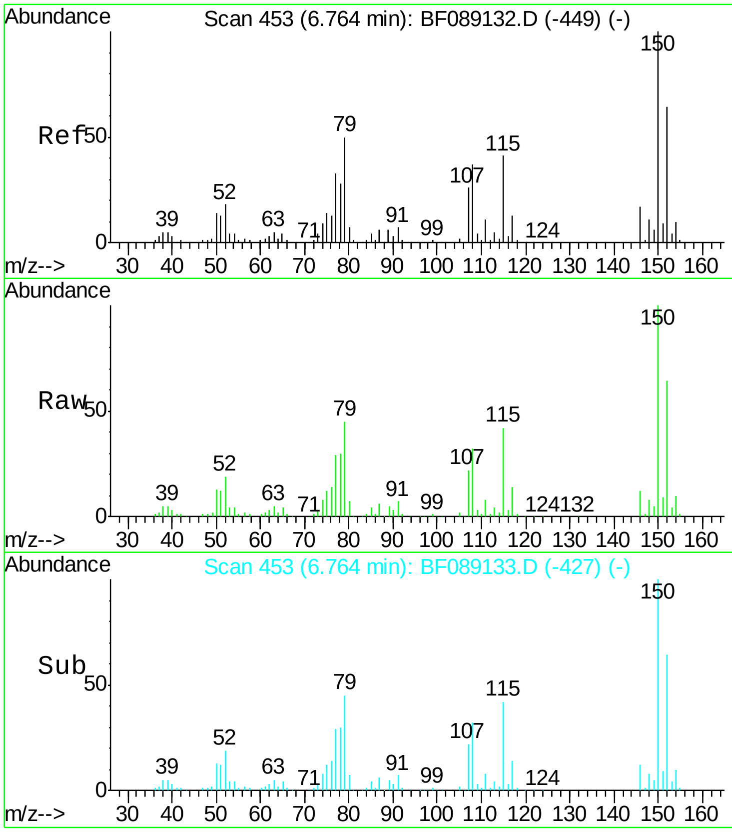


#14
1,2-Dichlorobenzene
Concen: 52.13 ng
RT: 6.78 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:146 Resp: 191424

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	47.3	35.9	53.9



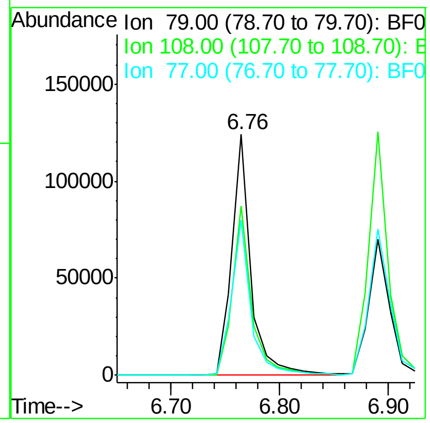


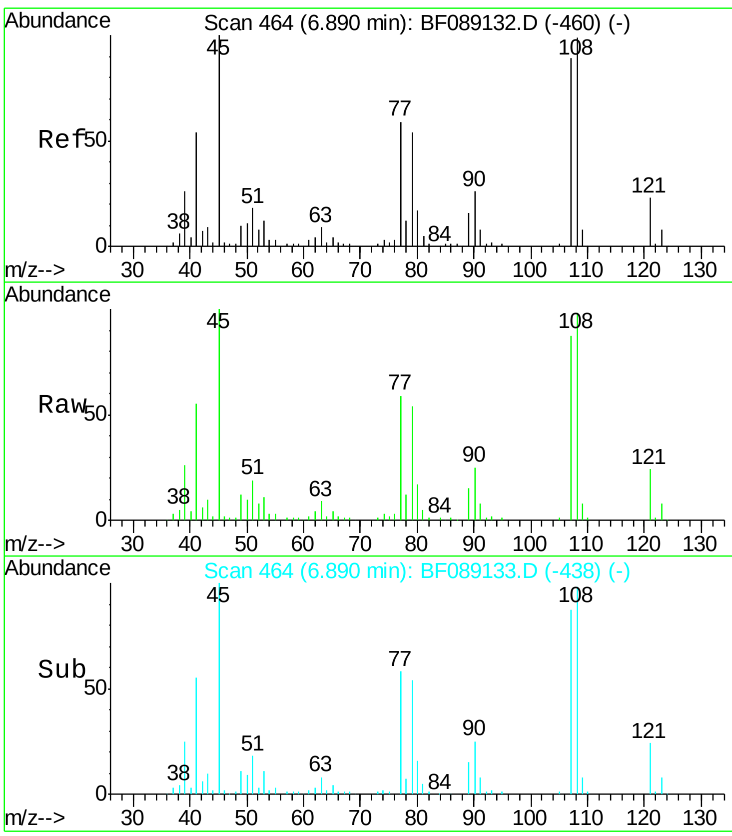
#15
Benzyl Alcohol
Concen: 49.18 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 152277

Ion	Ratio	Lower	Upper
79	100		
108	70.1	58.2	87.4
77	64.4	52.2	78.4

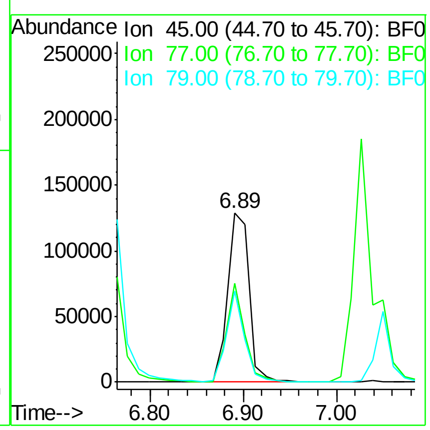


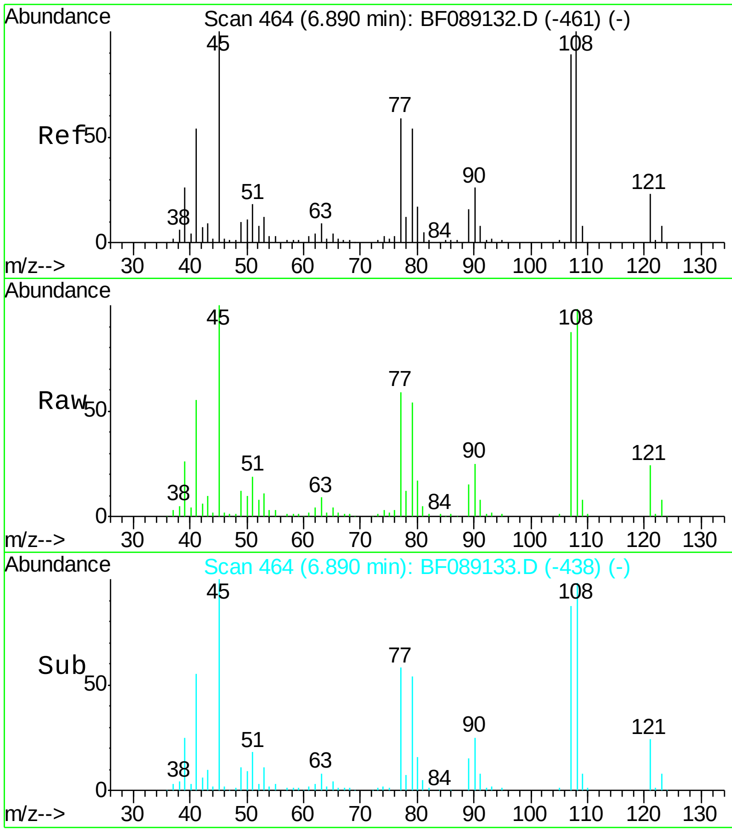


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.94 ng
RT: 6.89 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 45 Resp: 206480

Ion	Ratio	Lower	Upper
45	100		
77	58.7	39.7	79.7
79	54.3	34.7	74.7



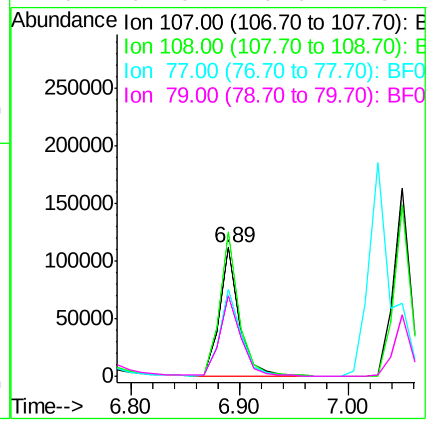


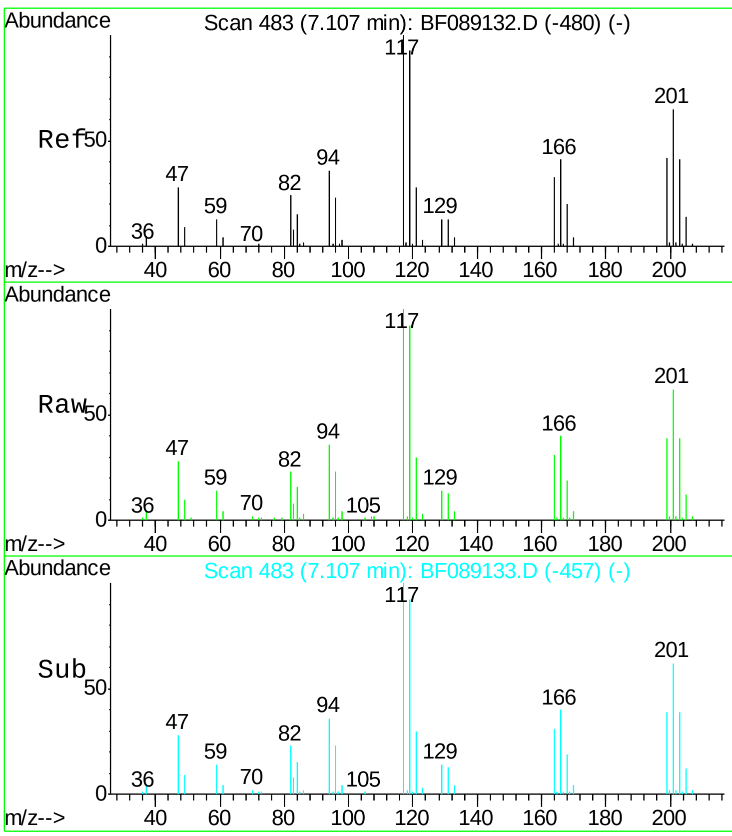
#17
2-Methylphenol
Concen: 49.08 ng
RT: 6.89 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 140036

Ion	Ratio	Lower	Upper
107	100		
108	112.1	89.4	134.2
77	67.5	53.4	80.0
79	62.5	49.0	73.4

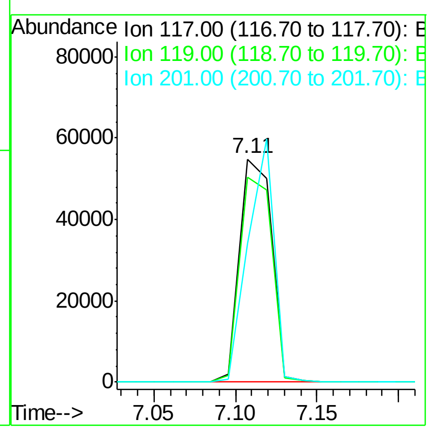




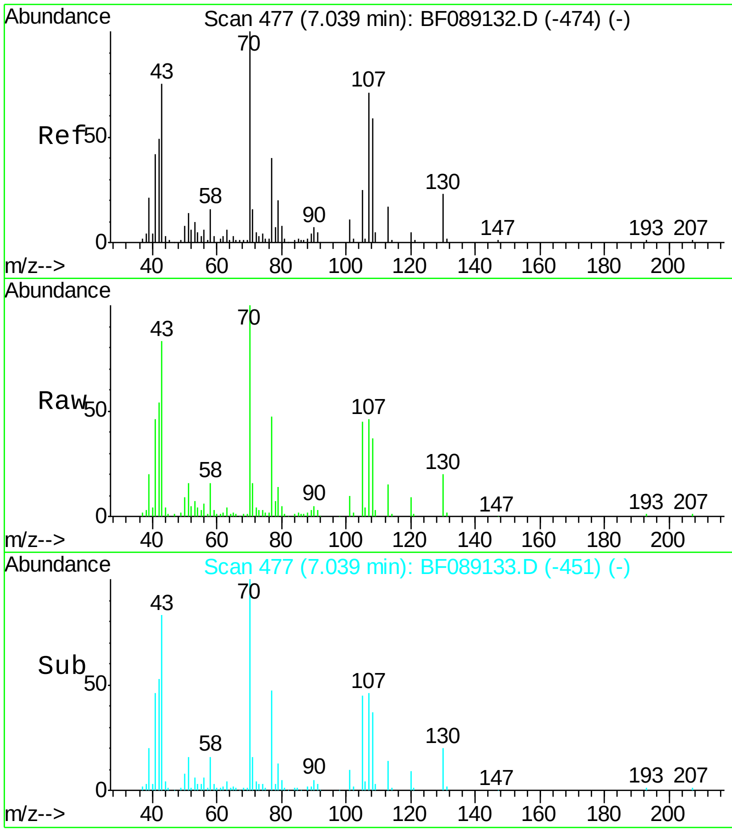
#18
Hexachloroethane
Concen: 50.31 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:117 Resp: 74391

Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.5	111.7
201	62.1	51.8	77.6



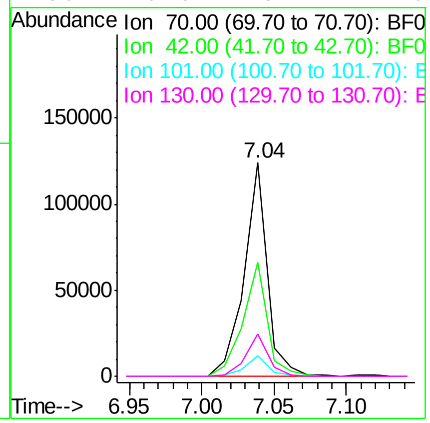
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

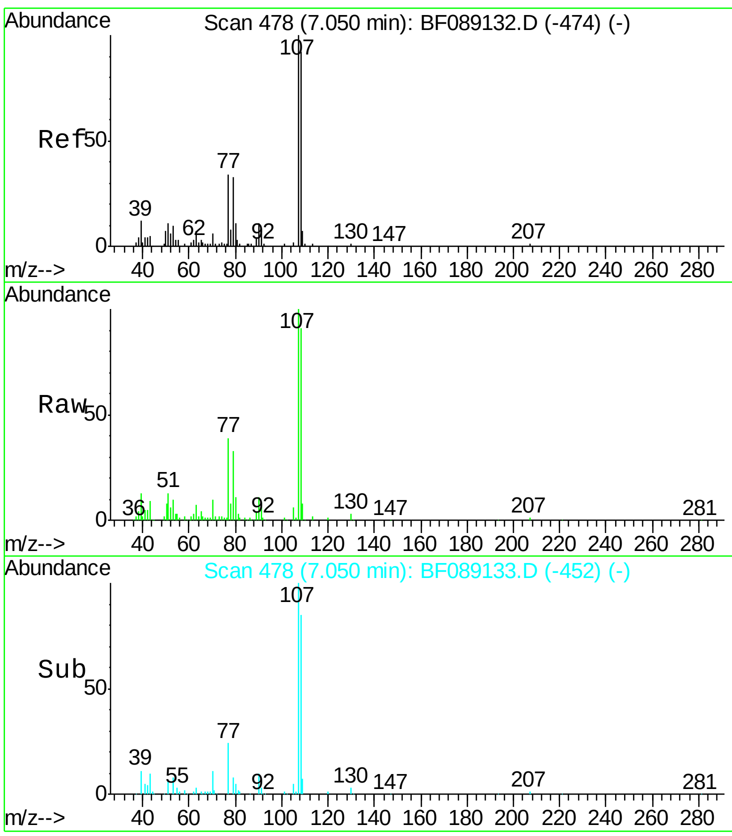


#19
n-Nitroso-di-n-propylamine
Concen: 47.67 ng
RT: 7.04 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 70 Resp: 137449

Ion	Ratio	Lower	Upper
70	100		
42	53.6	39.2	58.8
101	9.6	8.5	12.7
130	19.8	18.4	27.6

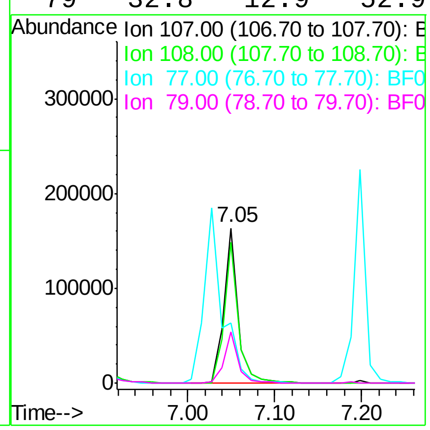


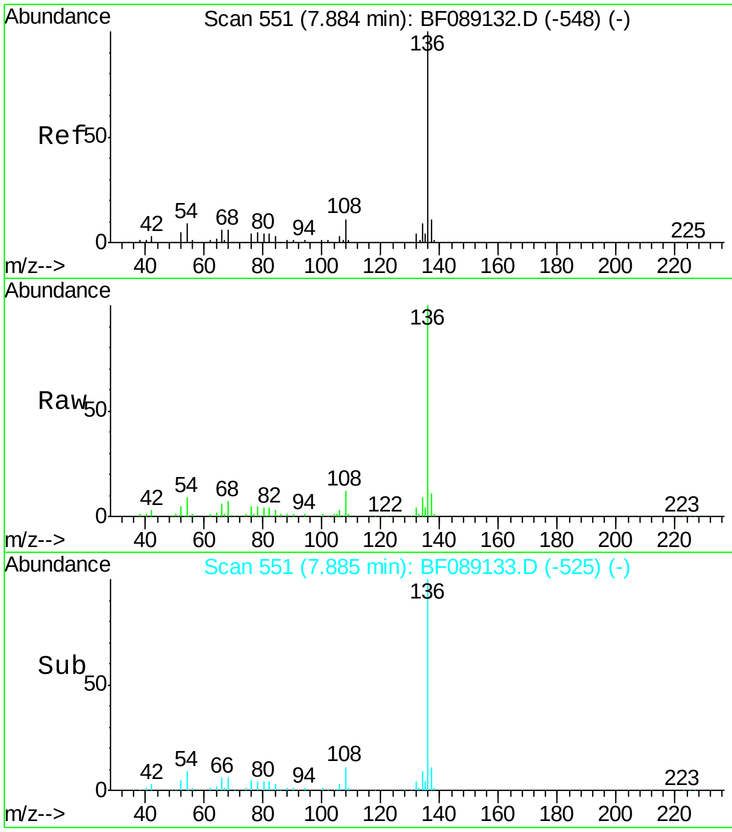


#20
3+4-Methylphenols
Concen: 54.06 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:107 Resp: 190866

Ion	Ratio	Lower	Upper
107	100		
108	90.8	72.5	112.5
77	38.6	17.7	57.7
79	32.8	12.9	52.9



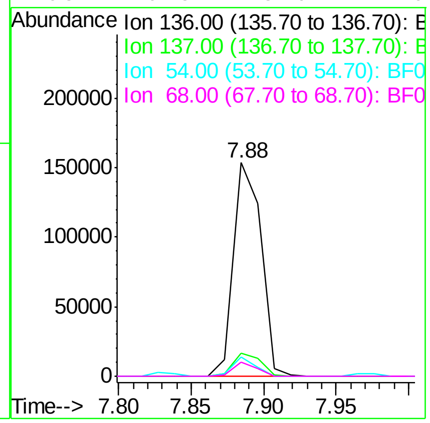


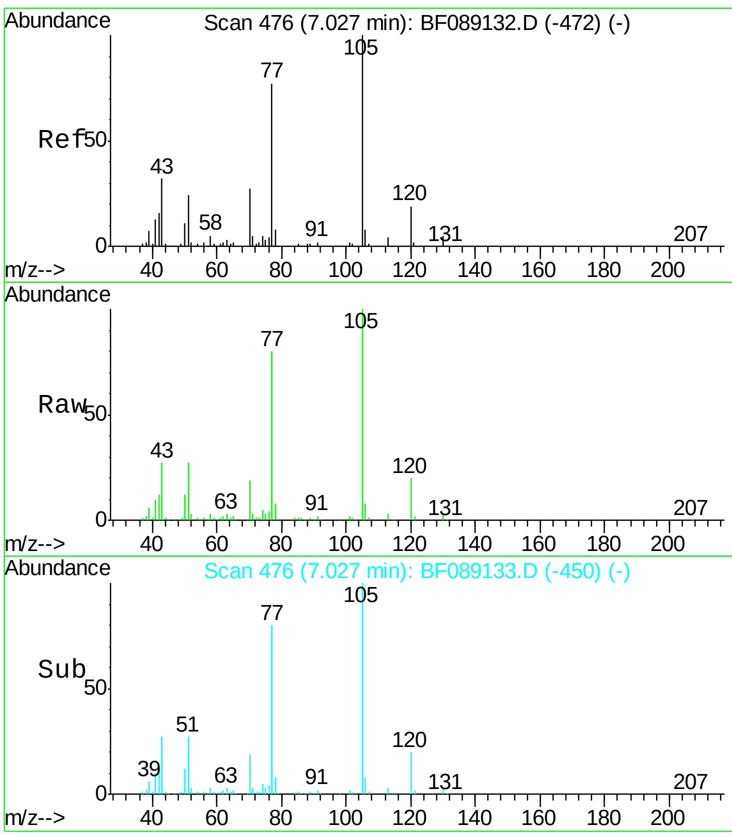
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 203131

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.1	7.0	10.4
68	6.5	5.0	7.6

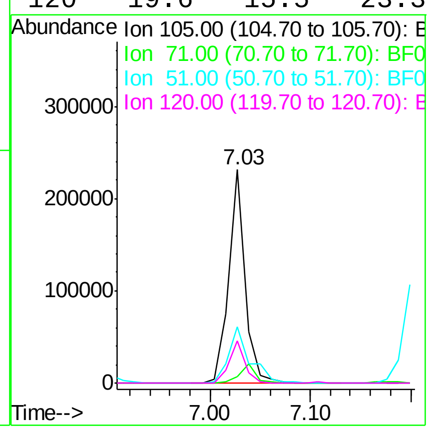


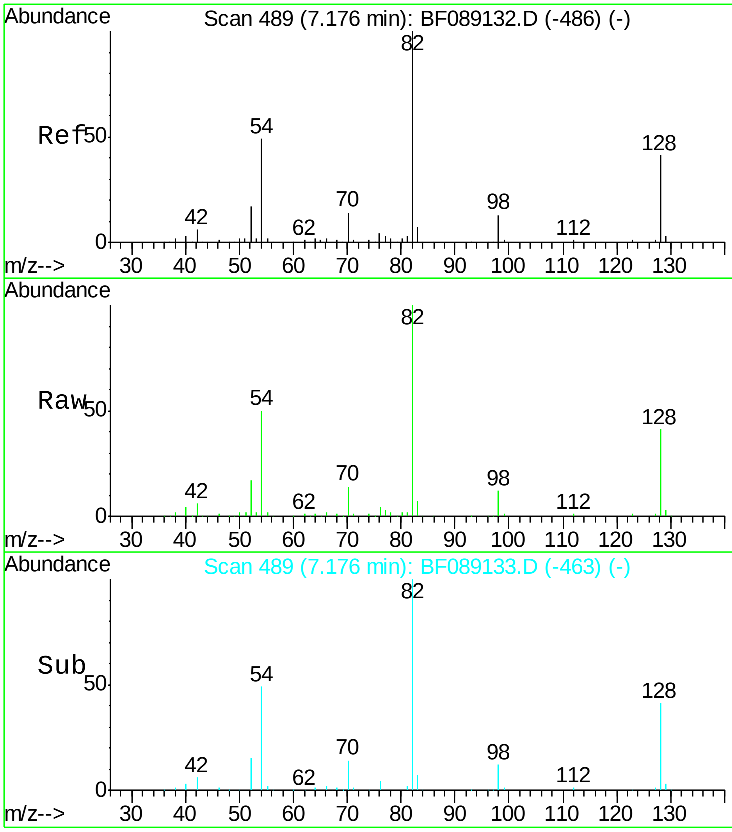


#22
Acetophenone
Concen: 52.20 ng
RT: 7.03 min Scan# 476
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:105 Resp: 262279

Ion	Ratio	Lower	Upper
105	100		
71	3.3	3.8	5.6#
51	26.6	19.6	29.4
120	19.6	15.5	23.3



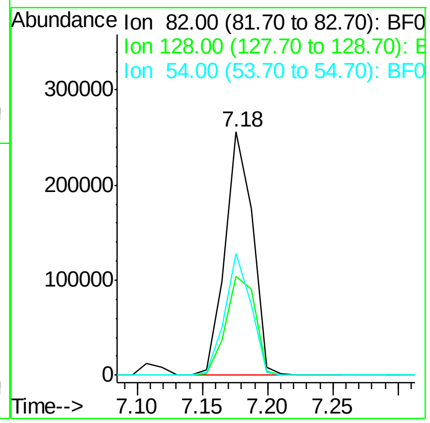


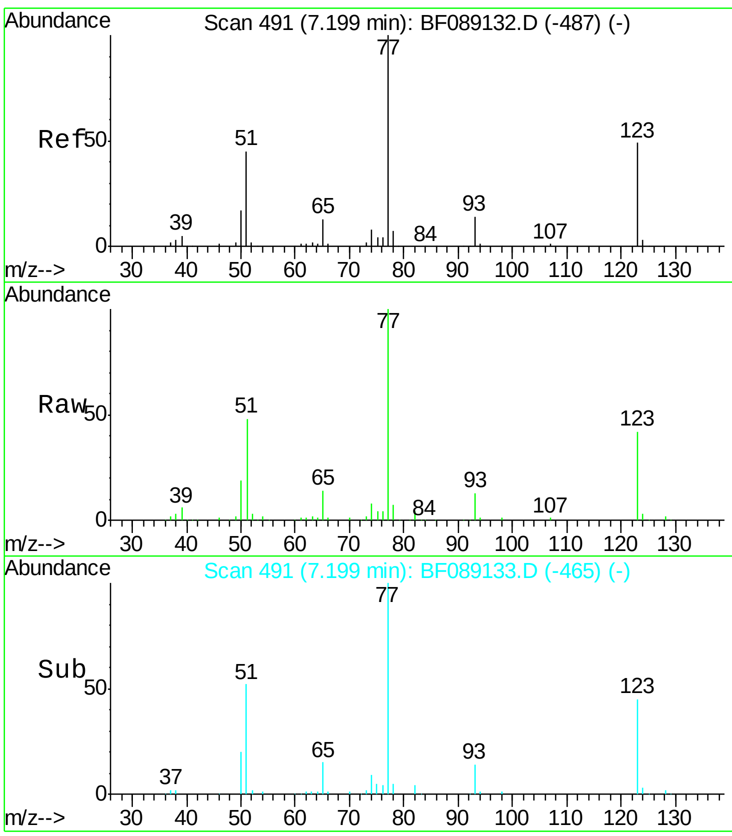
#23
Nitrobenzene-d5
Concen: 97.08 ng
RT: 7.18 min   Scan# 489
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 376351

Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.0	49.6
54	50.0	39.0	58.4

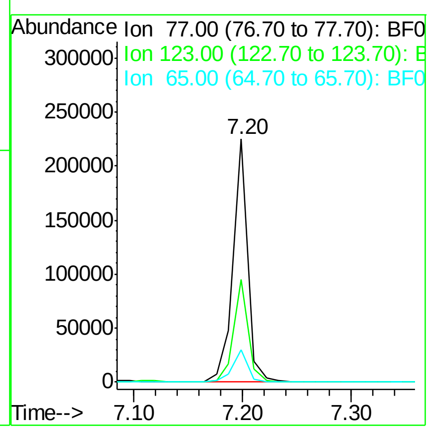


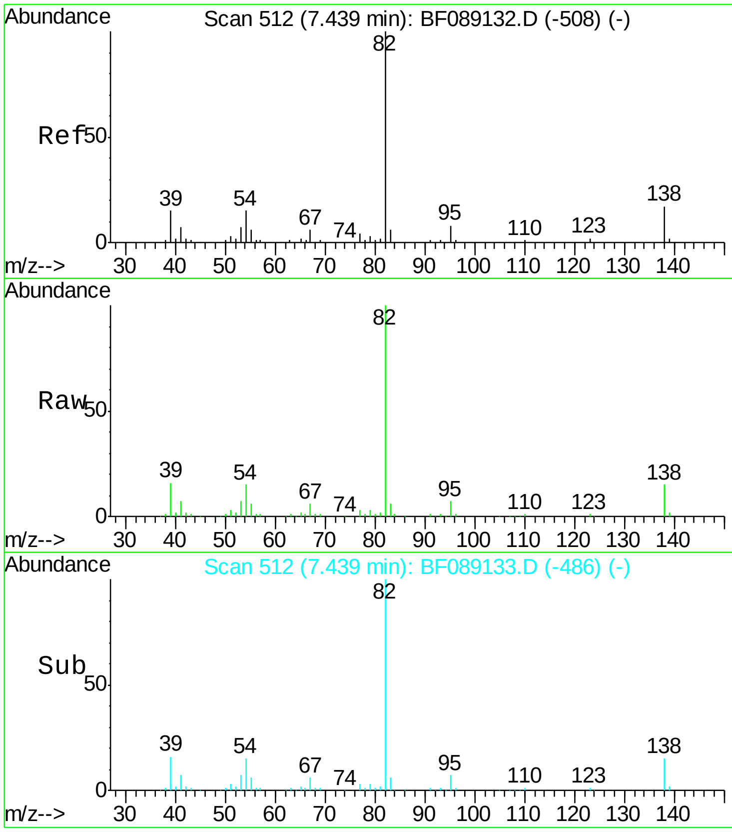


#24
Nitrobenzene
Concen: 53.00 ng
RT: 7.20 min   Scan# 491
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion: 77 Resp: 210367

Ion	Ratio	Lower	Upper
77	100		
123	42.1	38.9	58.3
65	13.5	10.6	15.8



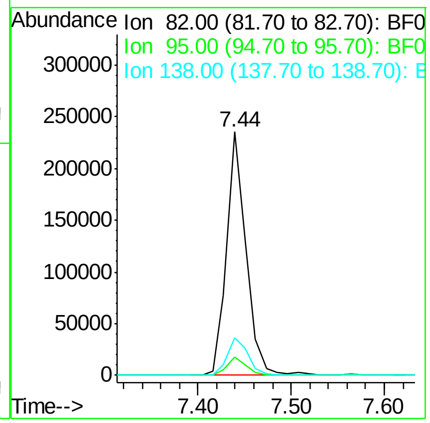


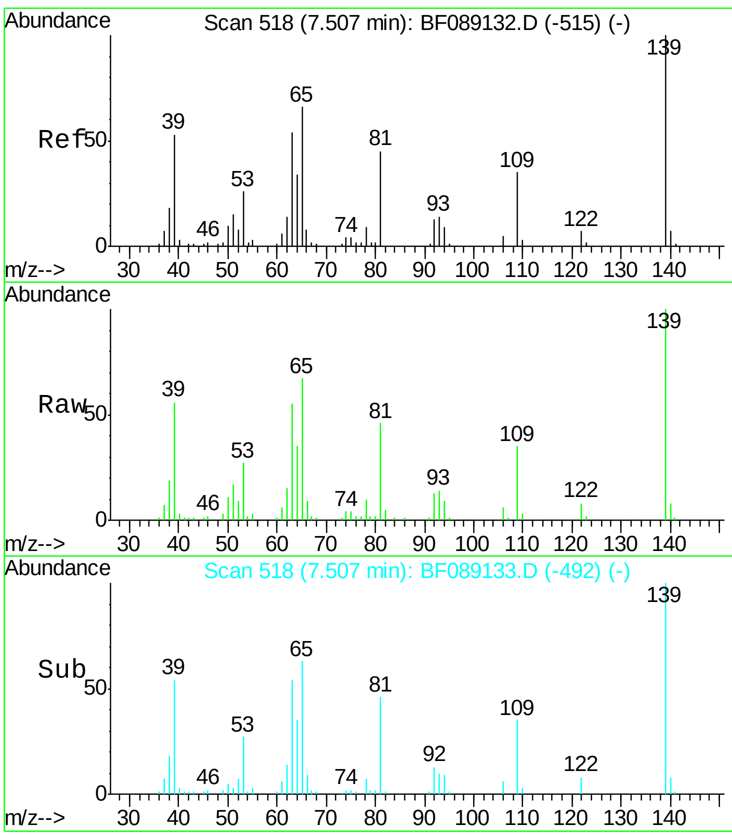
#25
Isophorone
Concen: 48.11 ng
RT: 7.44 min   Scan# 512
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 345693

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.1	9.1
138	15.5	13.6	20.4

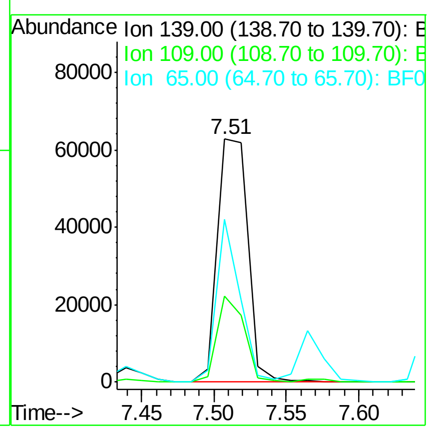




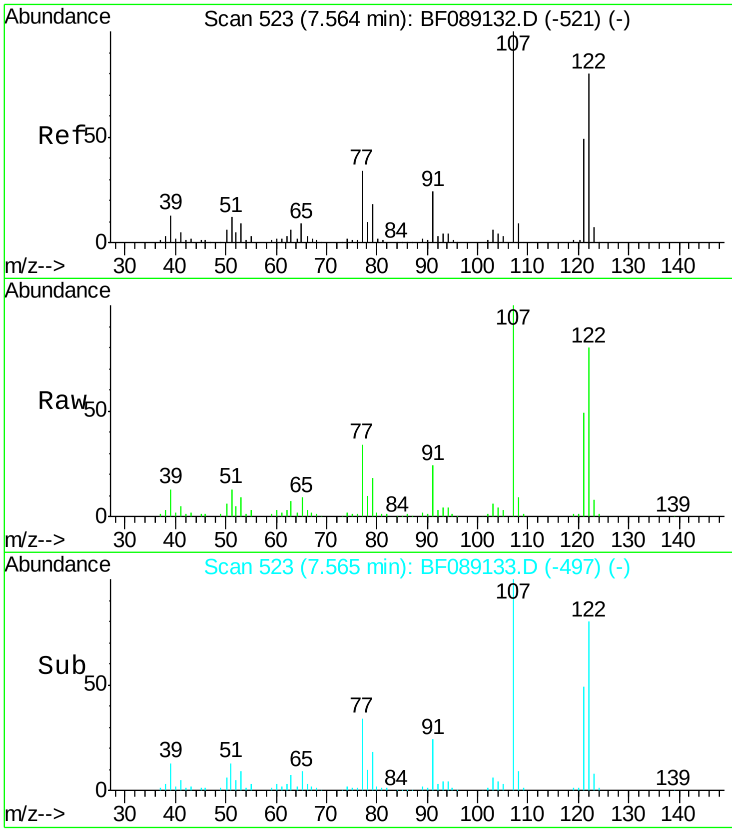
#26
2-Nitrophenol
Concen: 55.77 ng
RT: 7.51 min   Scan# 518
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:139 Resp: 91846

Ion	Ratio	Lower	Upper
139	100		
109	35.2	28.1	42.1
65	67.0	52.7	79.1



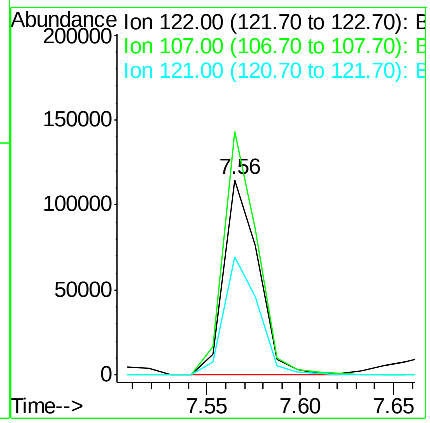
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

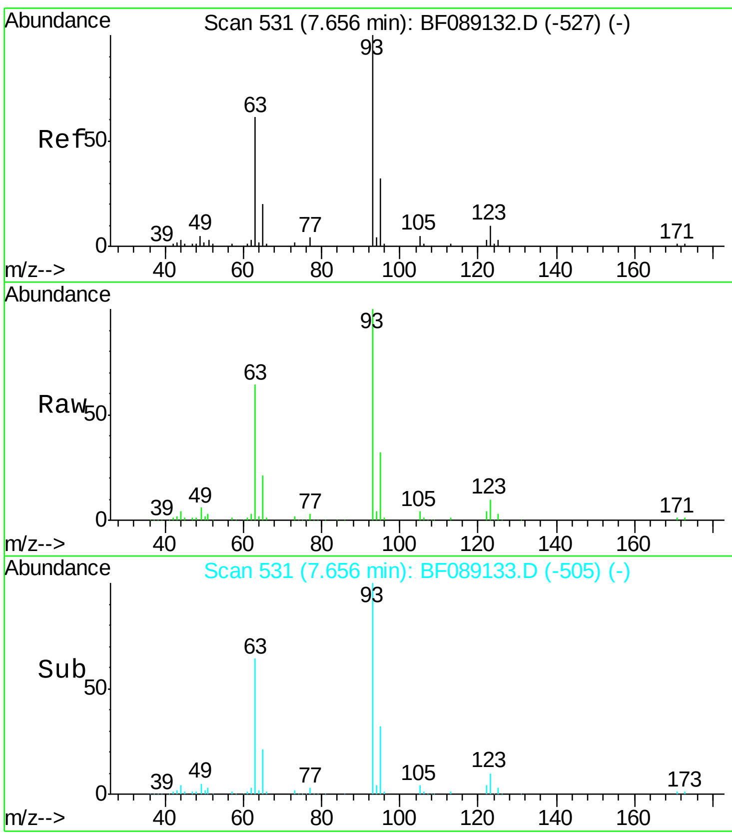


#27
2,4-Dimethylphenol
Concen: 45.67 ng
RT: 7.56 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:122 Resp: 149744

Ion	Ratio	Lower	Upper
122	100		
107	124.7	99.7	149.5
121	60.8	48.5	72.7

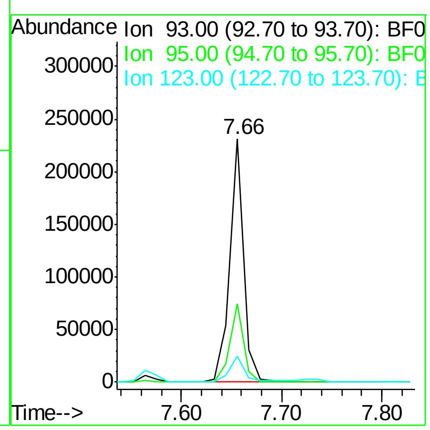


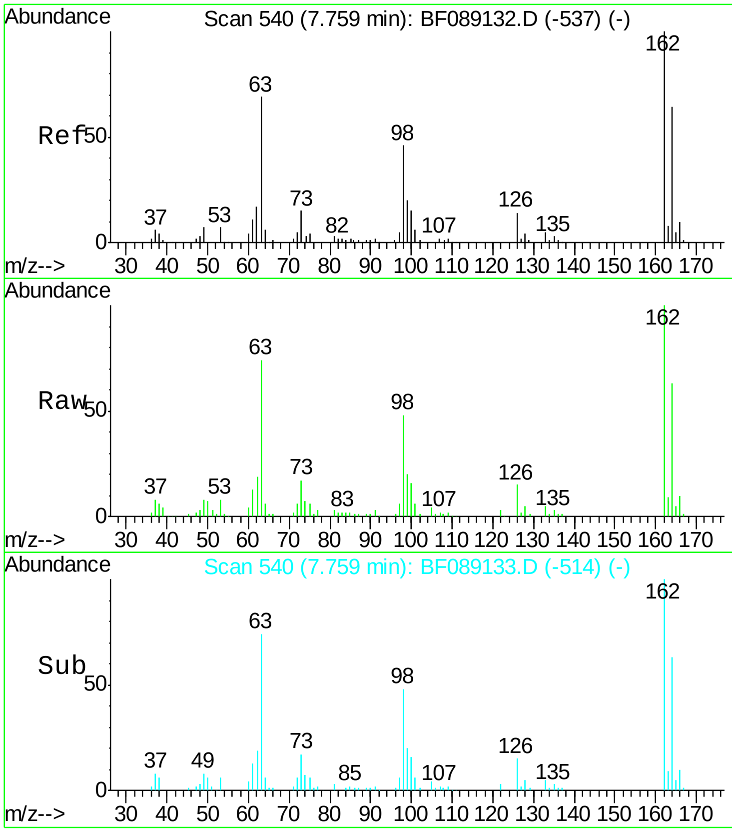


#28
bis(2-Chloroethoxy)methane
Concen: 47.11 ng
RT: 7.66 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 93 Resp: 222680

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.4	38.0
123	10.4	8.3	12.5

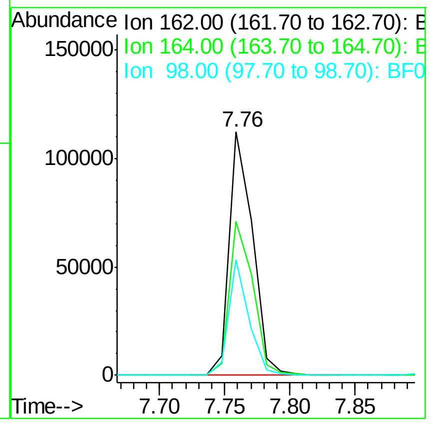


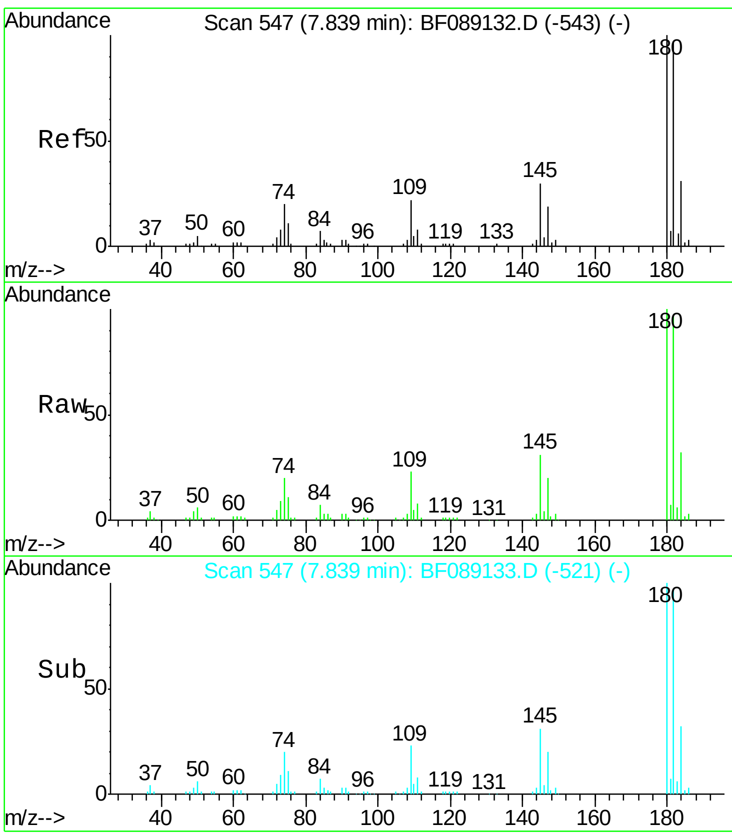



```
#29
2,4-Dichlorophenol
Concen:    51.15 ng
RT: 7.76 min   Scan# 540
Delta R.T.    0.00 min
Lab File:    BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:162 Resp:   140053
Ion  Ratio  Lower  Upper
162  100
164   63.1   44.0   84.0
 98   47.6   26.0   66.0
```

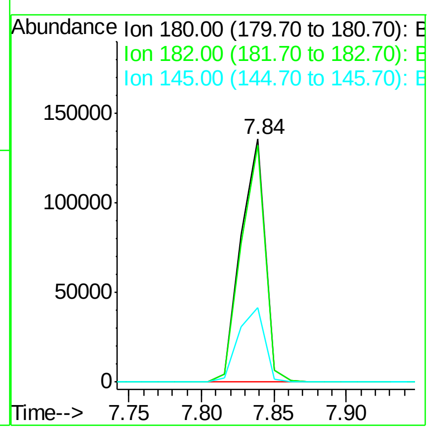
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



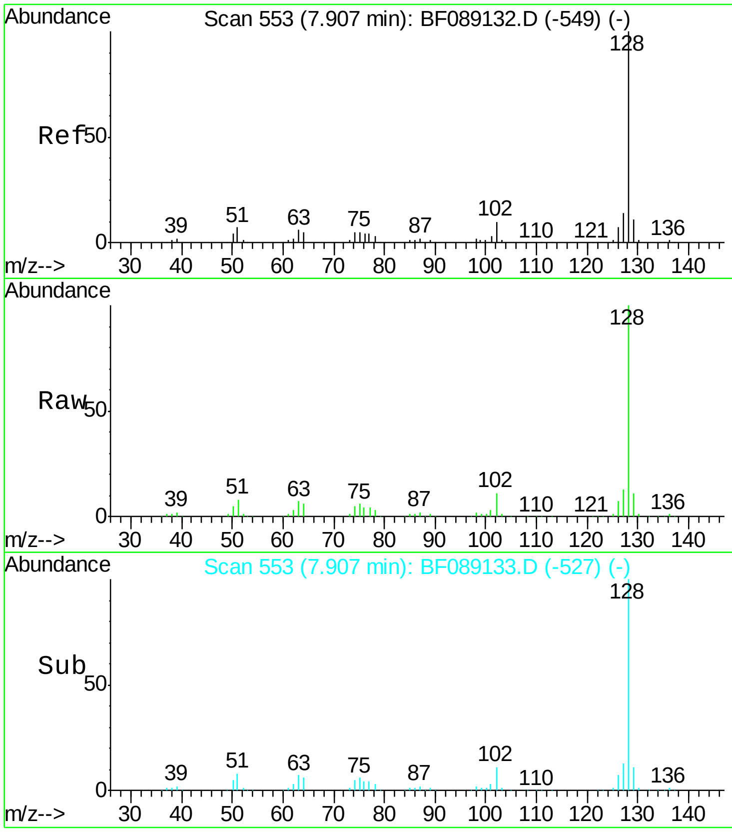



```
#30
1,2,4-Trichlorobenzene
Concen:    52.91 ng
RT: 7.84 min   Scan# 547
Delta R.T.    0.00 min
Lab File:    BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:180 Resp:   158136
Ion  Ratio  Lower  Upper
180  100
182   97.4   77.6  116.4
145   30.7   24.0   36.0
```



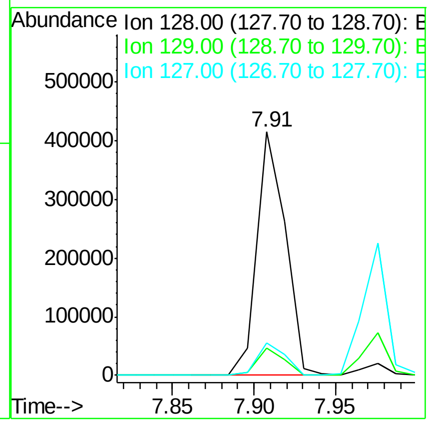
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

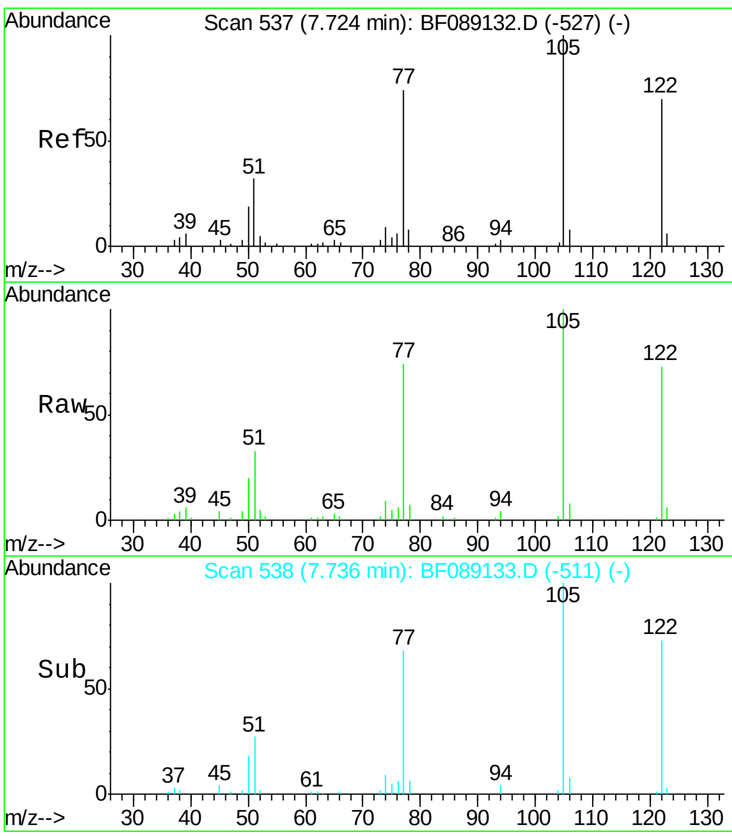


#31
Naphthalene
Concen: 50.58 ng
RT: 7.91 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:128 Resp: 507888

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.8	16.2

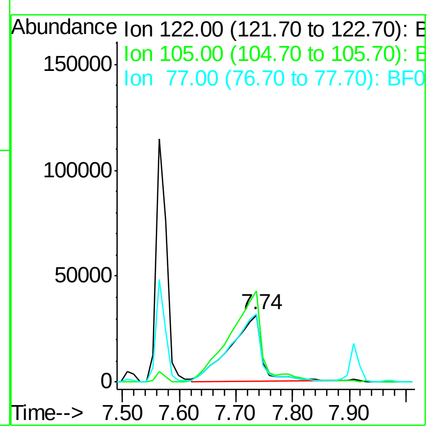


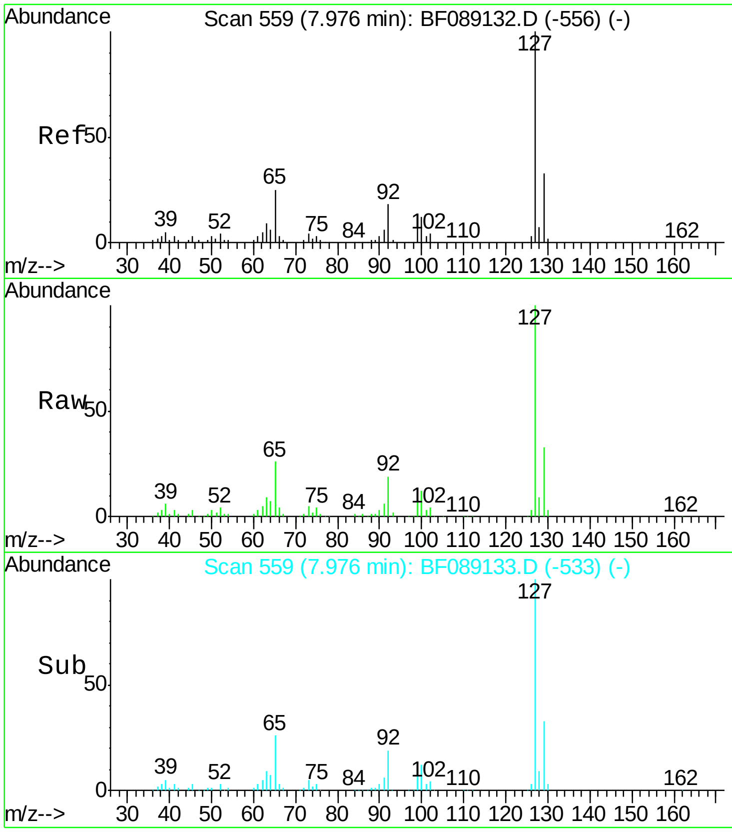


#32
Benzoic acid
Concen: 51.72 ng
RT: 7.74 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:122 Resp: 126366

Ion	Ratio	Lower	Upper
122	100		
105	136.9	119.0	159.0
77	101.3	84.7	124.7



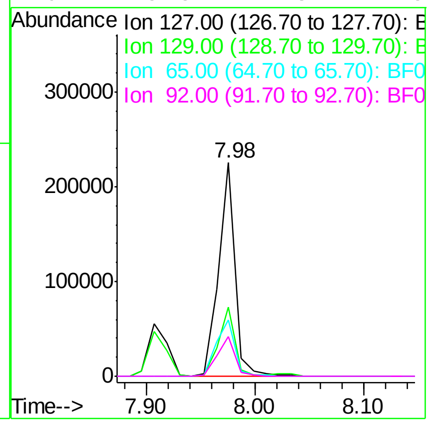


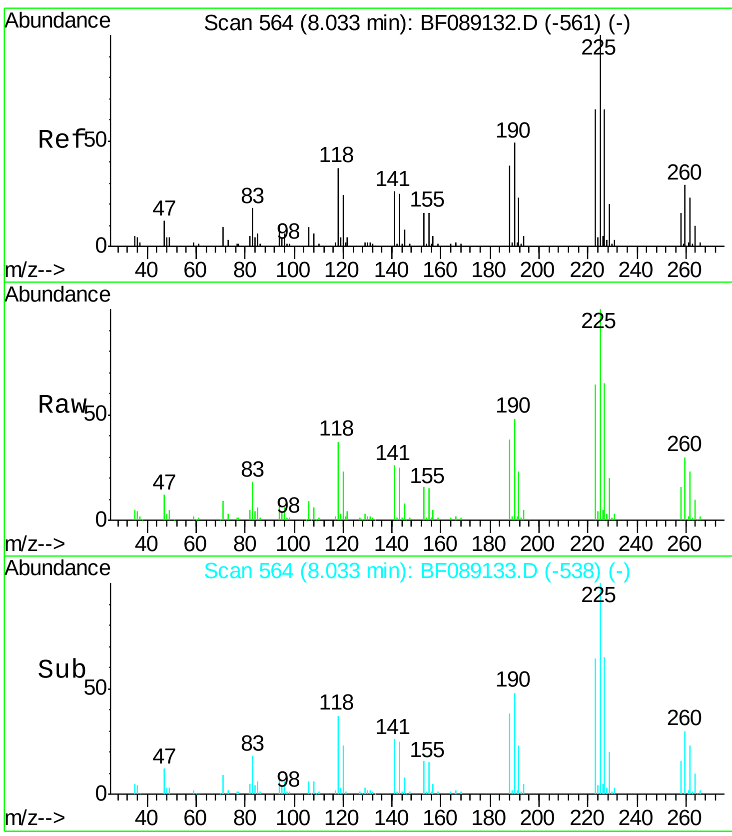
#33
4-Chloroaniline
Concen: 53.74 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 240665

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	26.3	19.7	29.5
92	18.8	14.3	21.5

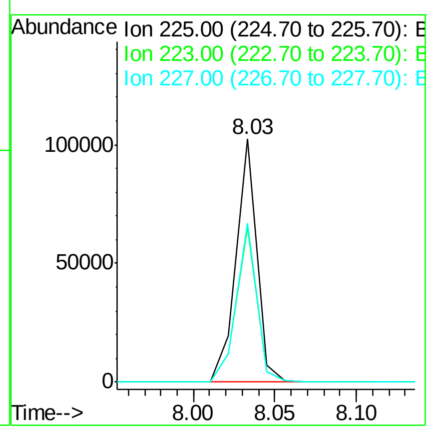




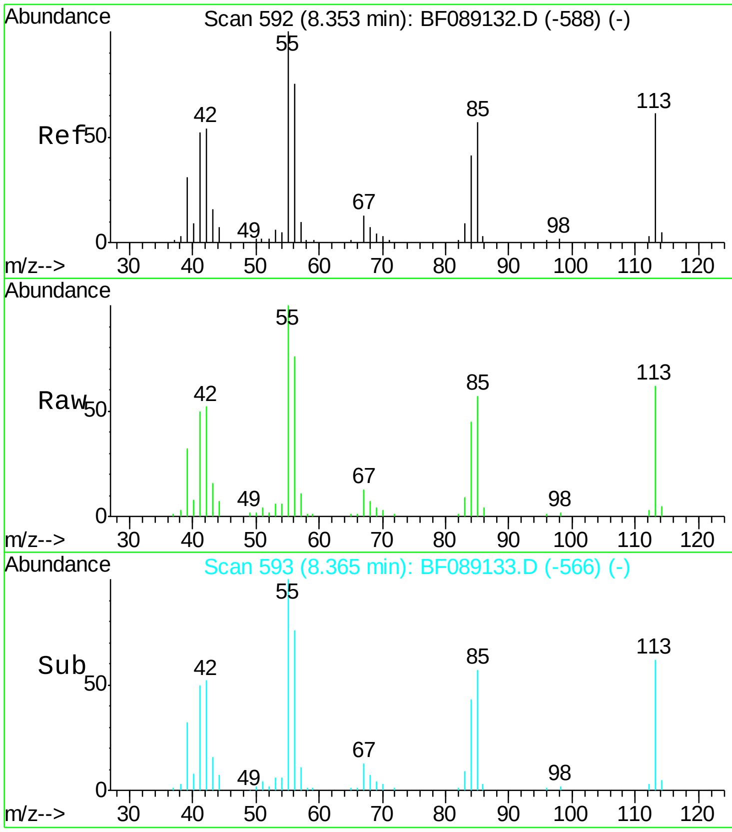
#34
Hexachlorobutadiene
Concen: 55.25 ng
RT: 8.03 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:225 Resp: 89056

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.6	77.4
227	65.1	51.6	77.4

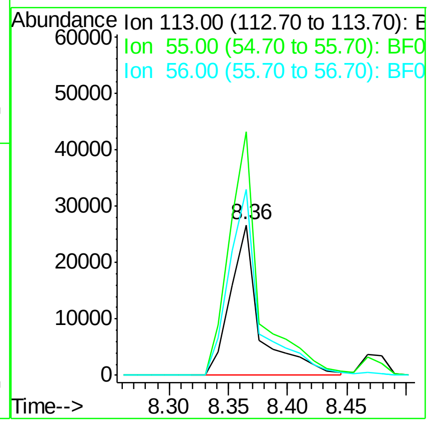


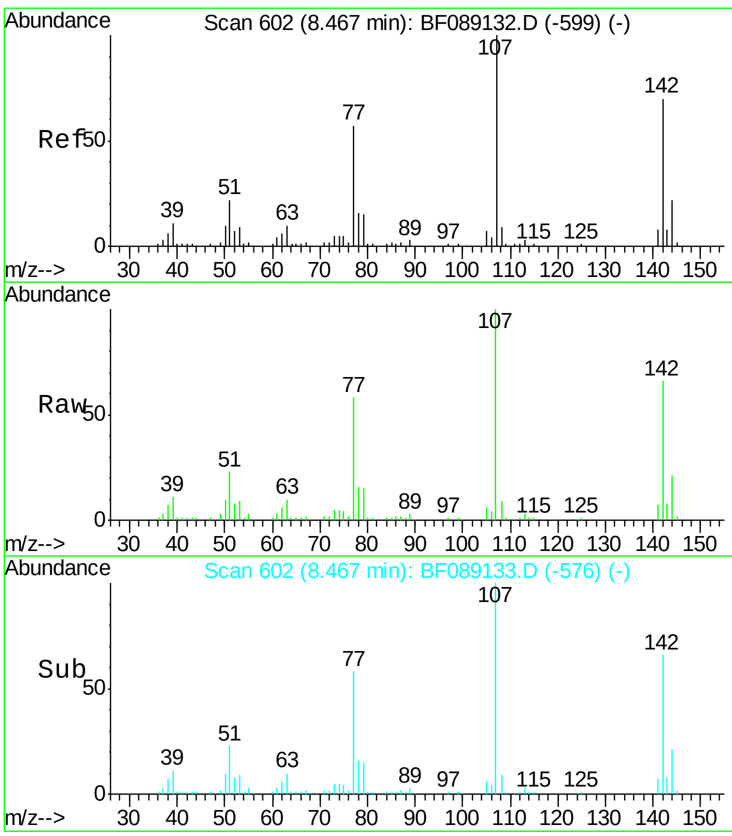
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



#35
Caprolactam
Concen: 51.33 ng
RT: 8.36 min   Scan# 593
Delta R.T.   0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

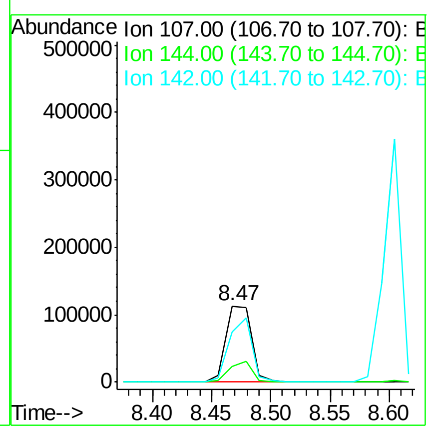
Tgt	Ion:113	Resp:	46553
Ion	Ratio	Lower	Upper
113	100		
55	162.0	145.3	185.3
56	123.6	104.3	144.3

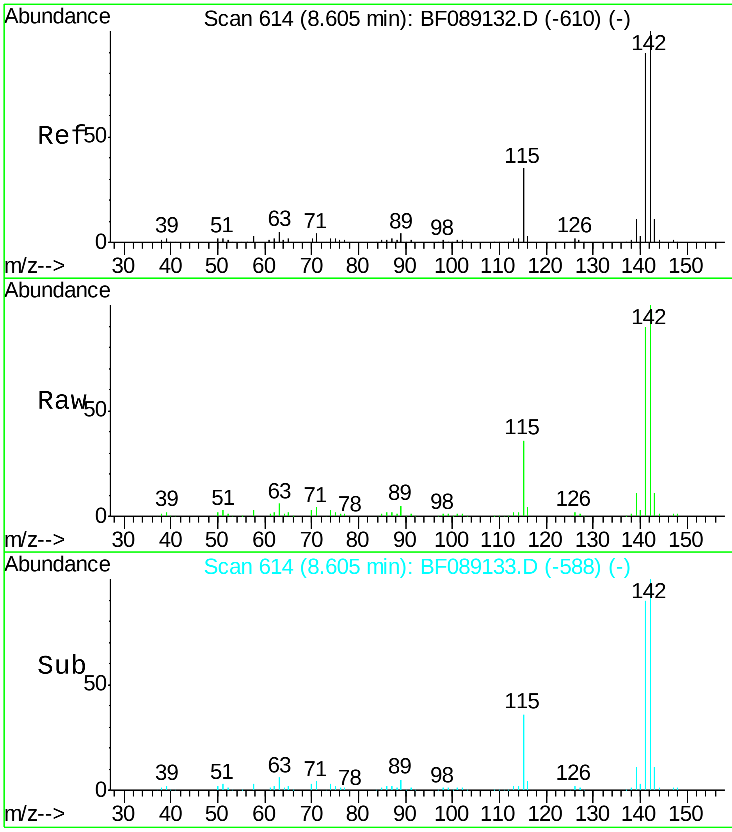




#36
4-Chloro-3-methylphenol
Concen: 52.80 ng
RT: 8.47 min   Scan# 602
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt	Ion:107	Resp:	169897
Ion	Ratio	Lower	Upper
107	100		
144	21.3	17.8	26.6
142	66.2	56.1	84.1



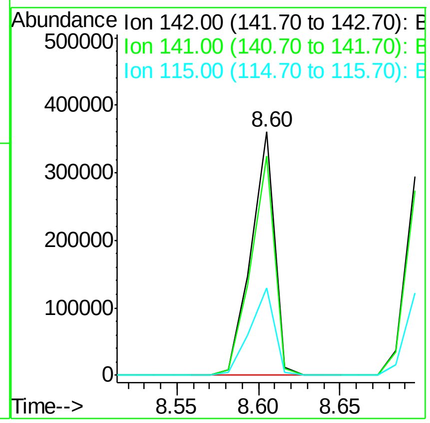


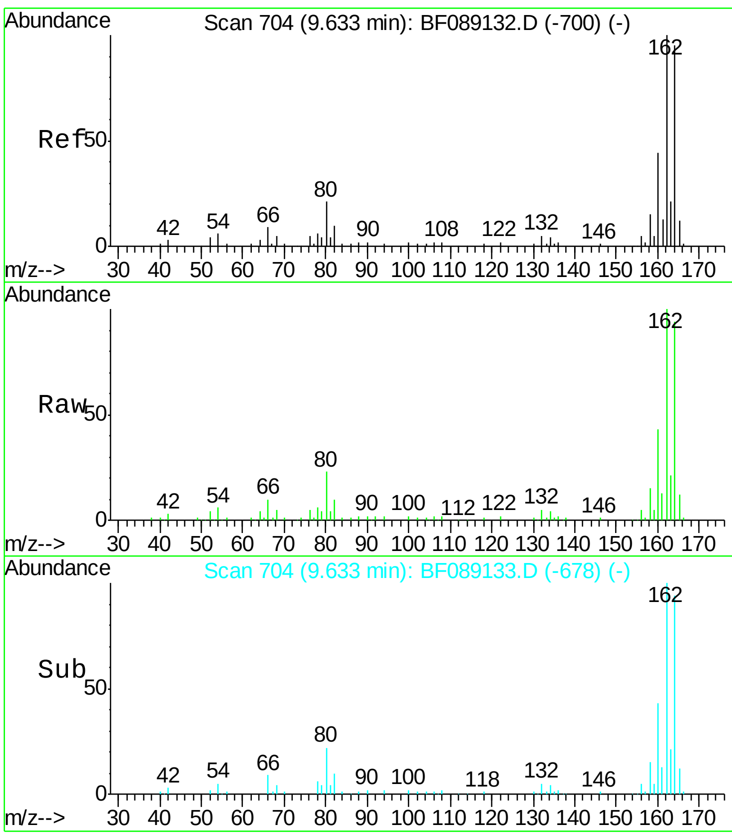
#37
2-Methylnaphthalene
Concen: 54.64 ng
RT: 8.60 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 362882

Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.6	107.4
115	36.1	27.6	41.4

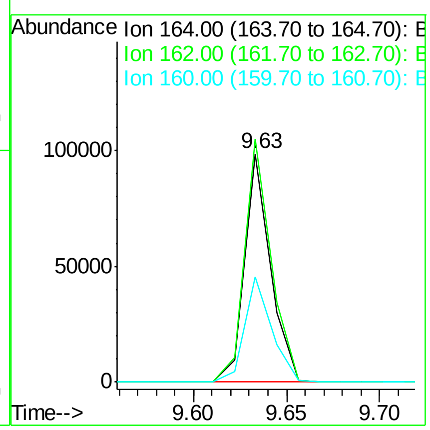


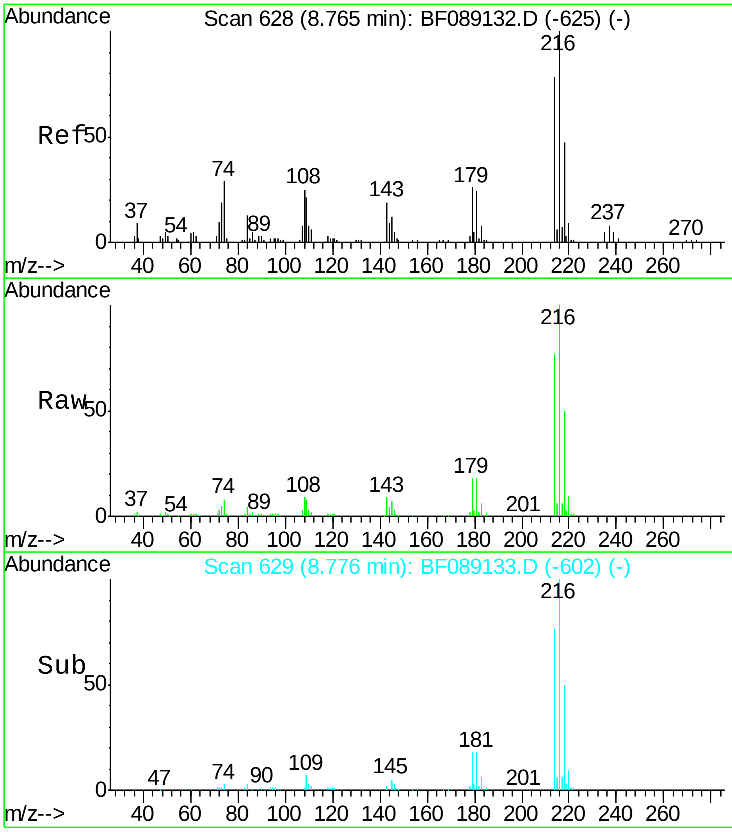


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:164 Resp: 95269

Ion	Ratio	Lower	Upper
164	100		
162	106.6	84.1	126.1
160	46.1	37.1	55.7



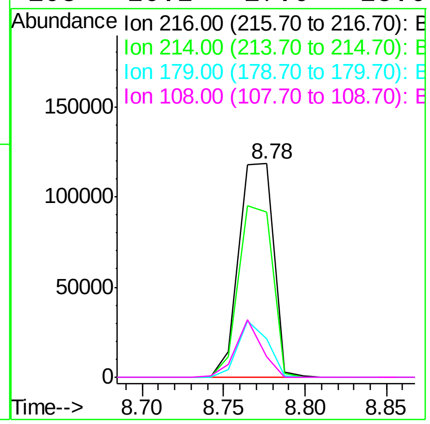


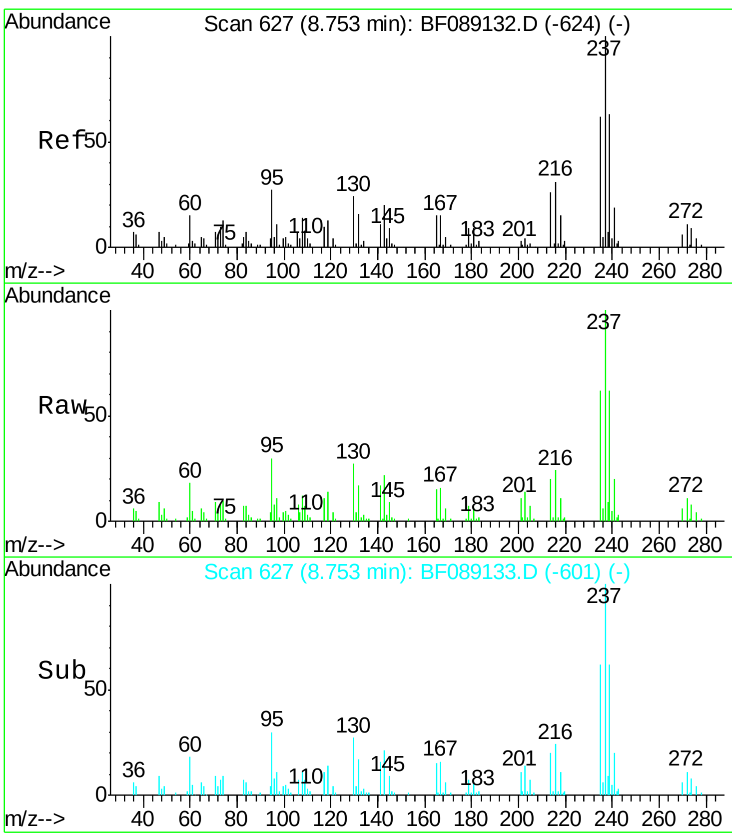
#39
1,2,4,5-Tetrachlorobenzene
Concen: 54.76 ng
RT: 8.78 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:216 Resp: 173559

Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	22.5	18.4	27.6
108	20.2	17.0	25.6

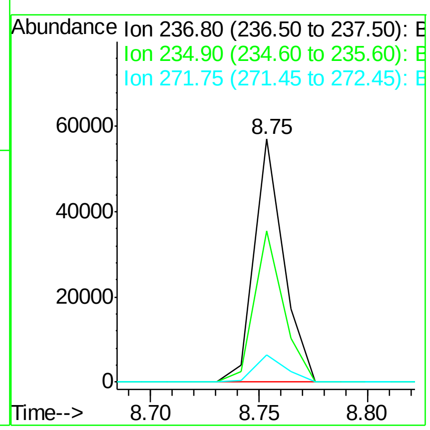


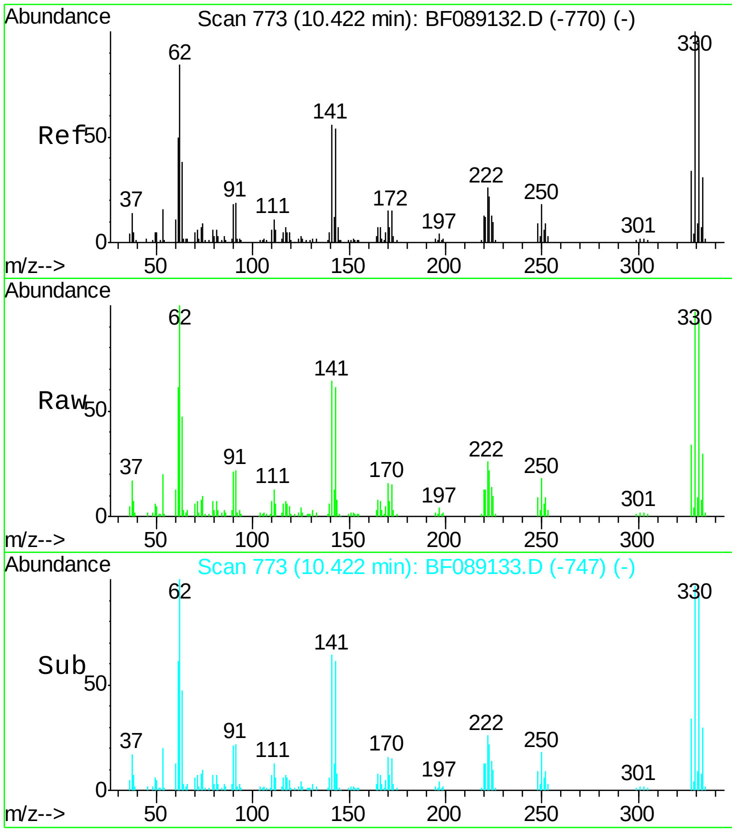


#40
Hexachlorocyclopentadiene
Concen: 36.28 ng
RT: 8.75 min Scan# 627
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:237 Resp: 53586

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.1	82.1
272	11.3	0.0	31.4



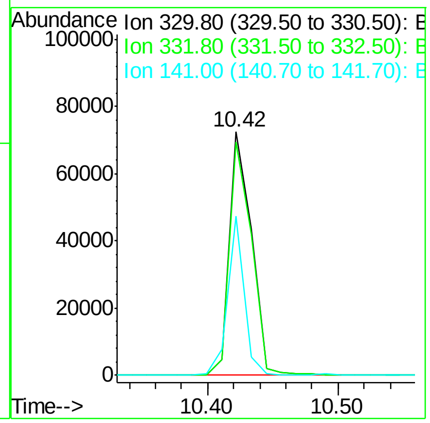


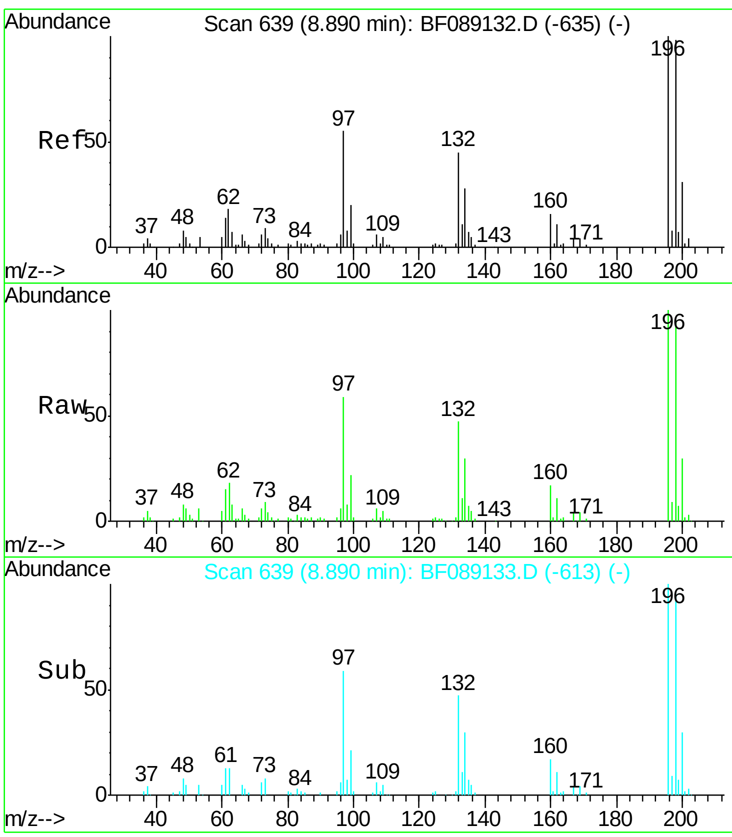
#41
2,4,6-Tribromophenol
Concen: 97.84 ng
RT: 10.42 min   Scan# 773
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:330 Resp: 85106

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	49.9	42.2	63.2

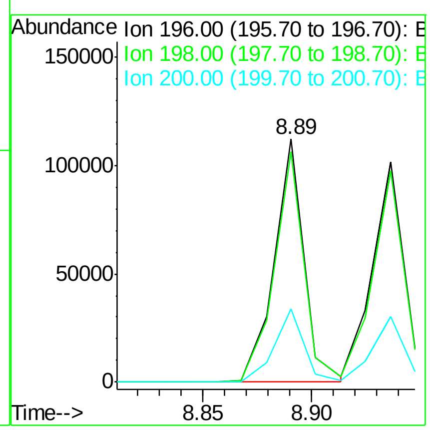


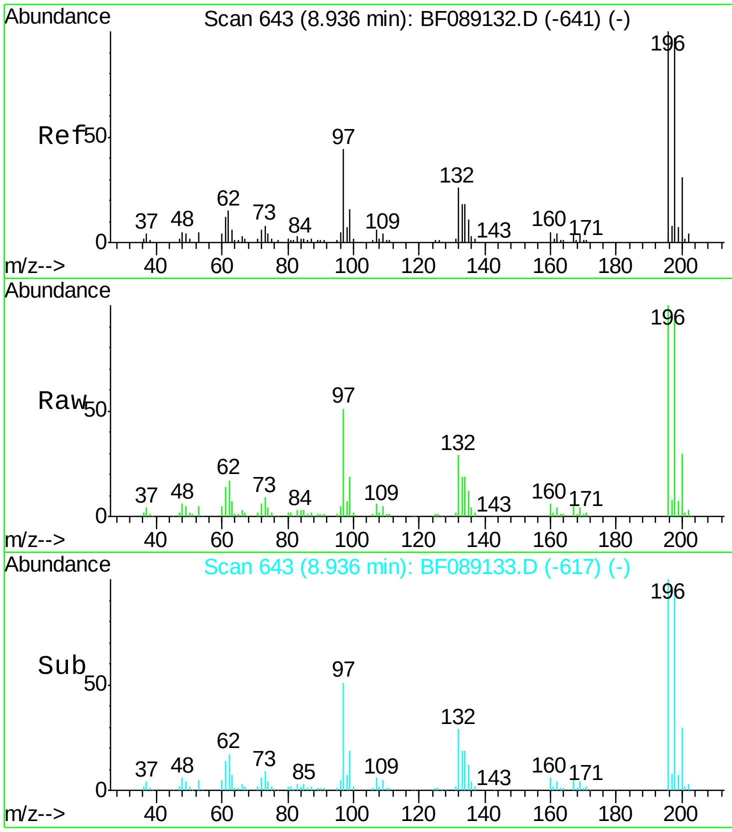


#42
2,4,6-Trichlorophenol
Concen: 51.24 ng
RT: 8.89 min   Scan# 639
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:196 Resp: 107906

Ion	Ratio	Lower	Upper
196	100		
198	94.8	78.3	117.5
200	30.2	25.0	37.4



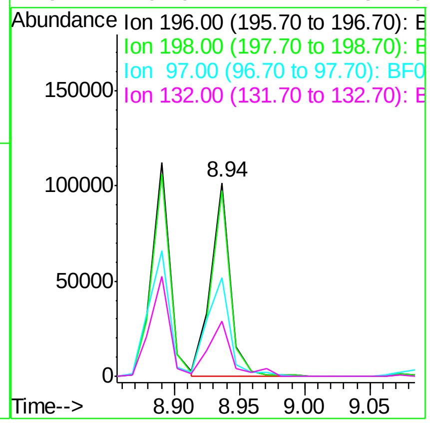


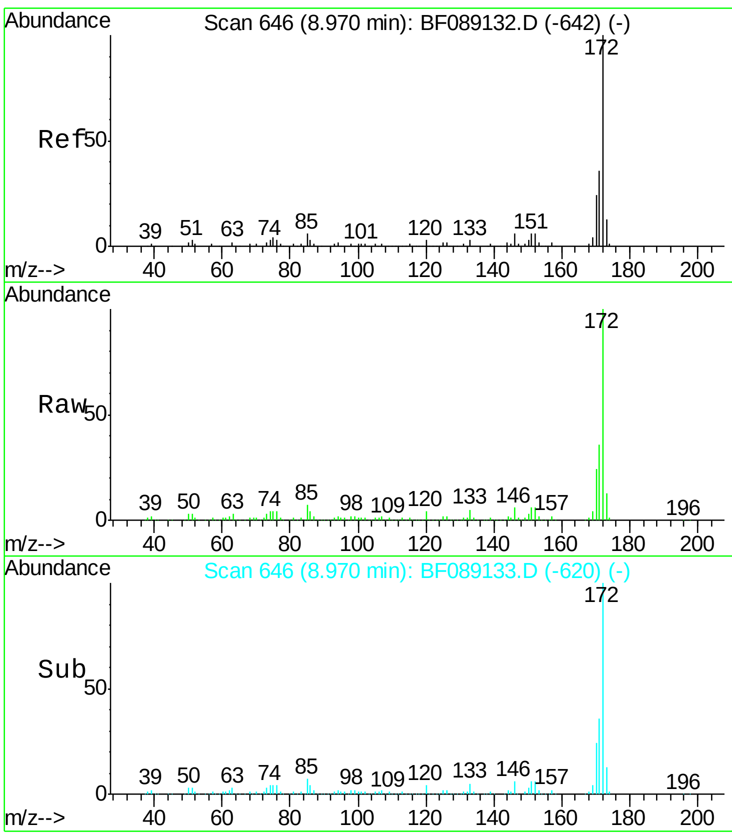
#43
2,4,5-Trichlorophenol
Concen: 58.39 ng
RT: 8.94 min   Scan# 643
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 106415

Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.6	116.4
97	51.1	36.5	54.7
132	28.5	21.2	31.8

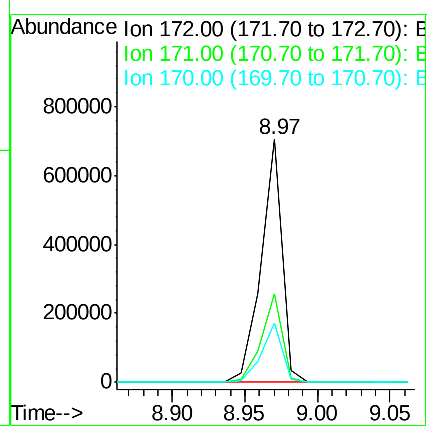


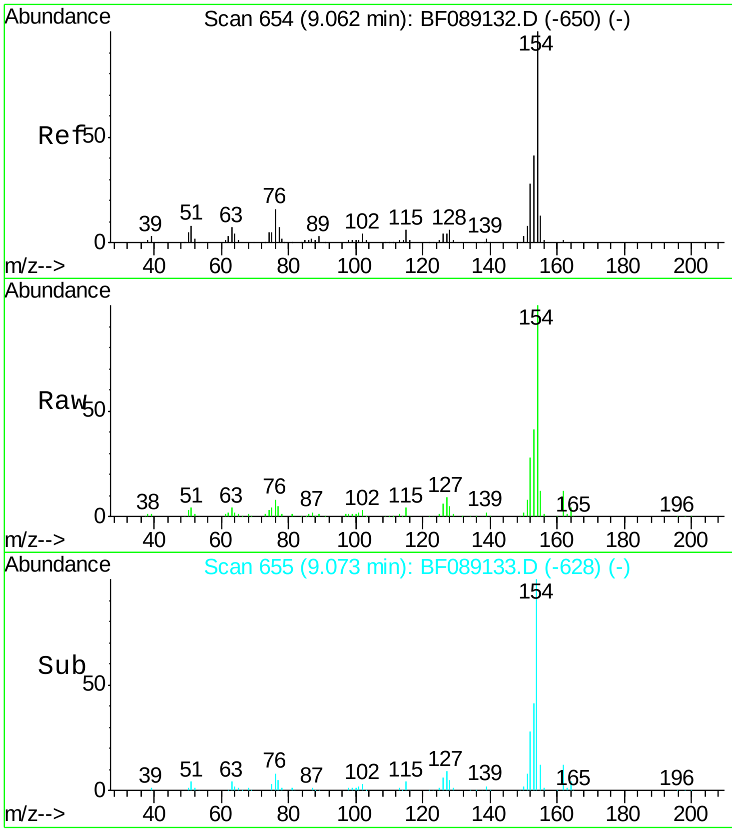


#44
2-Fluorobiphenyl
Concen: 111.31 ng
RT: 8.97 min   Scan# 646
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:172 Resp: 704366

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	24.3	19.1	28.7



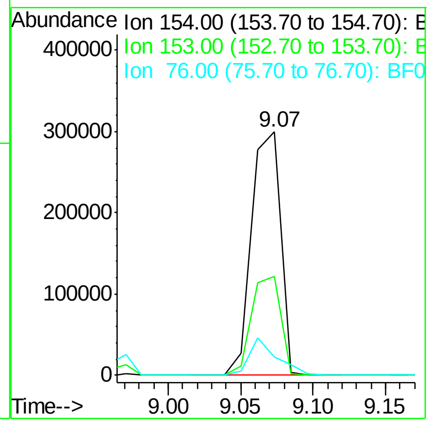


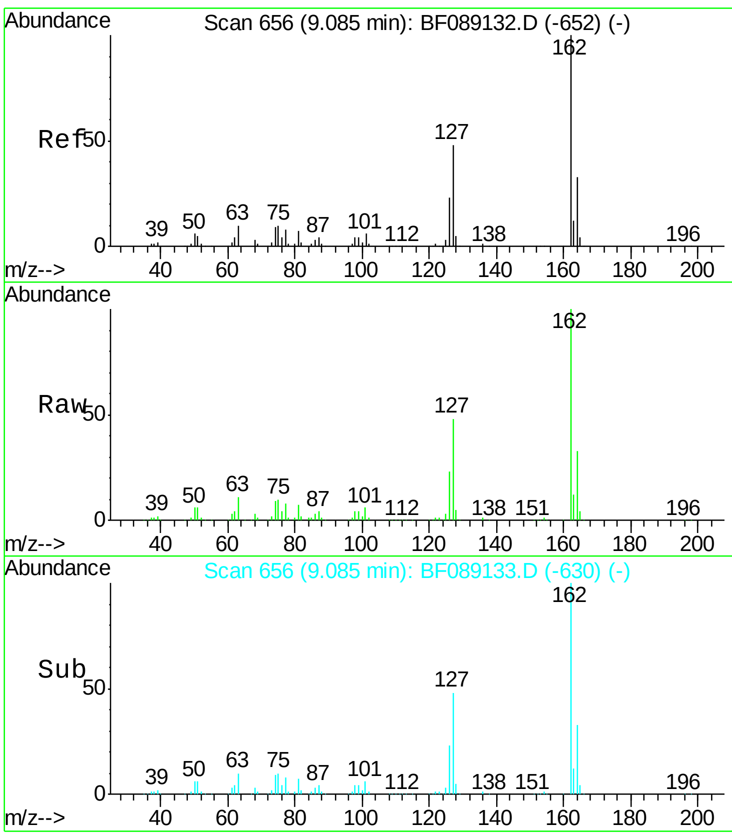
#45
1,1'-Biphenyl
Concen: 53.28 ng
RT: 9.07 min Scan# 655
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:154 Resp: 418346

Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.1	61.1
76	7.6	0.0	35.8

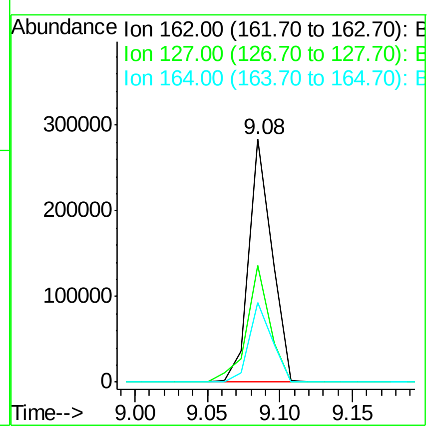


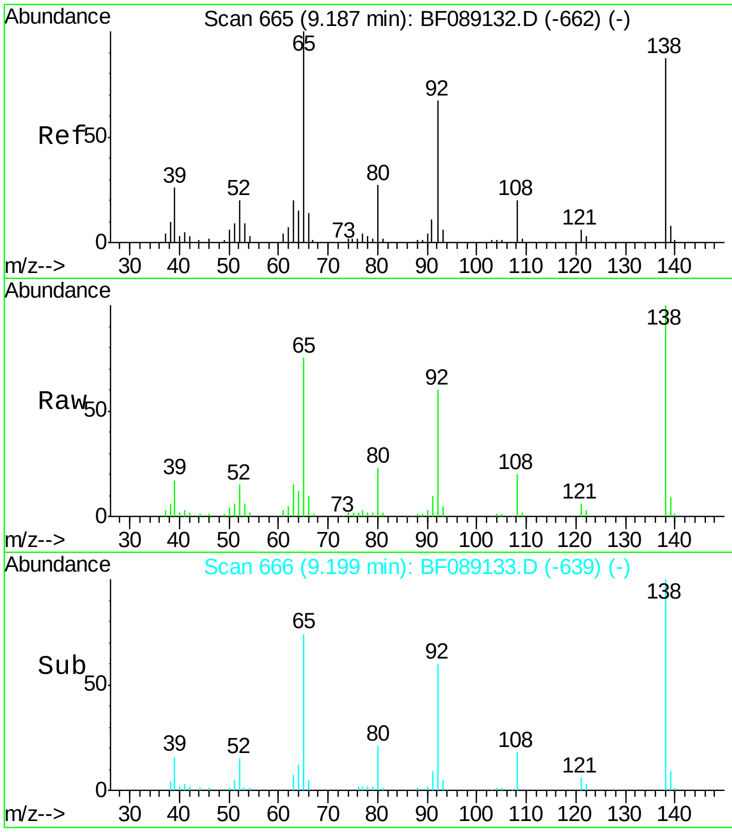


#46
2-Chloronaphthalene
Concen: 50.79 ng
RT: 9.08 min Scan# 656
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:162 Resp: 313182

Ion	Ratio	Lower	Upper
162	100		
127	47.9	38.1	57.1
164	32.6	26.1	39.1

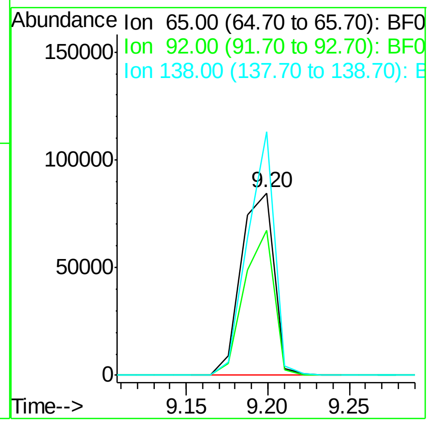


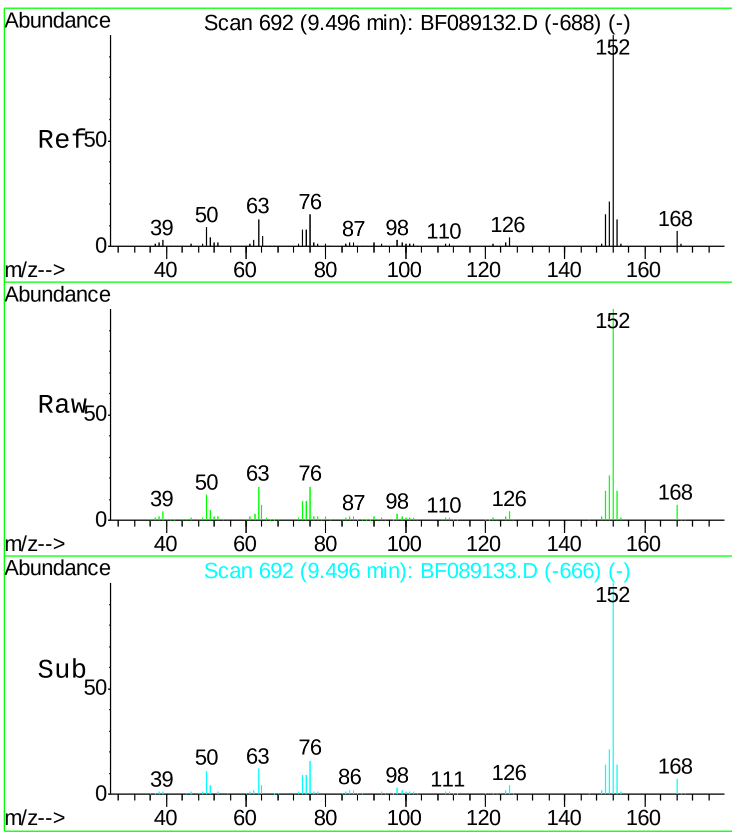



```
#47
2-Nitroaniline
Concen:   54.87 ng
RT: 9.20 min  Scan# 666
Delta R.T.   0.01 min
Lab File:   BF089133.D
Acq: 20 Jul 2016  14:02

Tgt Ion: 65 Resp:  117961
Ion  Ratio  Lower  Upper
 65  100
 92   79.7   53.2   79.8
138  133.2   69.4  104.2#
```

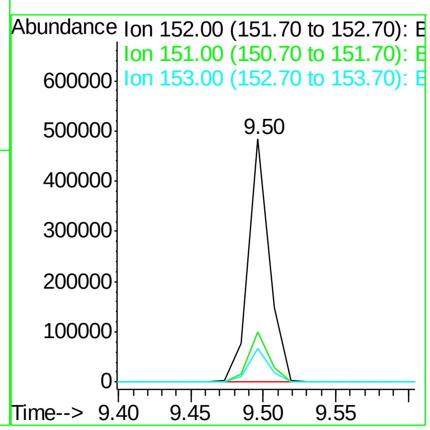
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

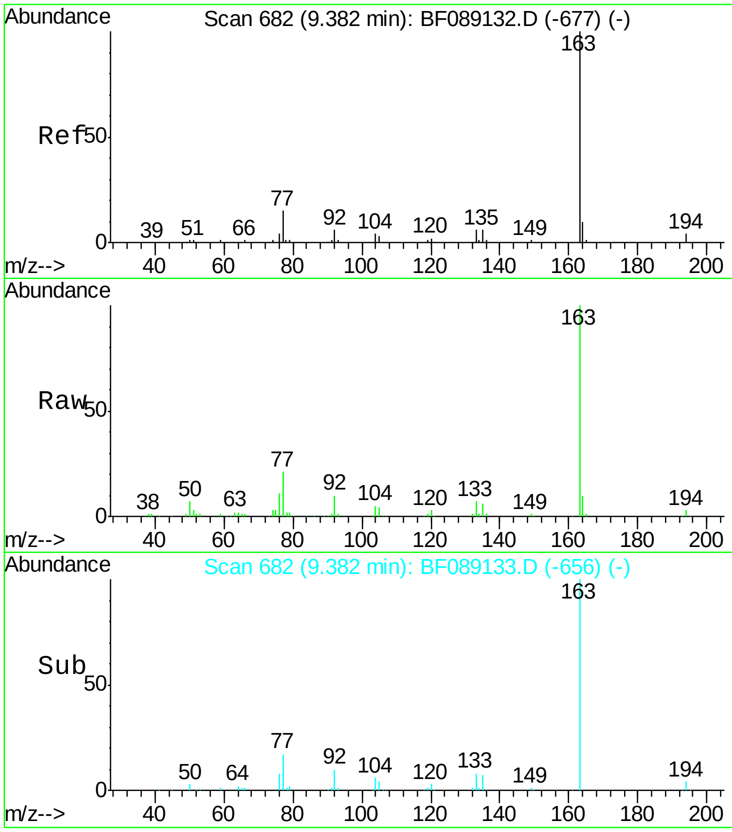





```
#48
Acenaphthylene
Concen:   50.16 ng
RT: 9.50 min  Scan# 692
Delta R.T.   0.00 min
Lab File:   BF089133.D
Acq: 20 Jul 2016  14:02

Tgt Ion:152 Resp:  492906
Ion  Ratio  Lower  Upper
152  100
151   20.7   16.5   24.7
153   13.6   10.7   16.1
```



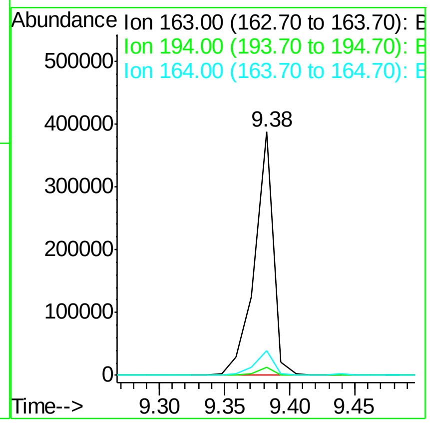


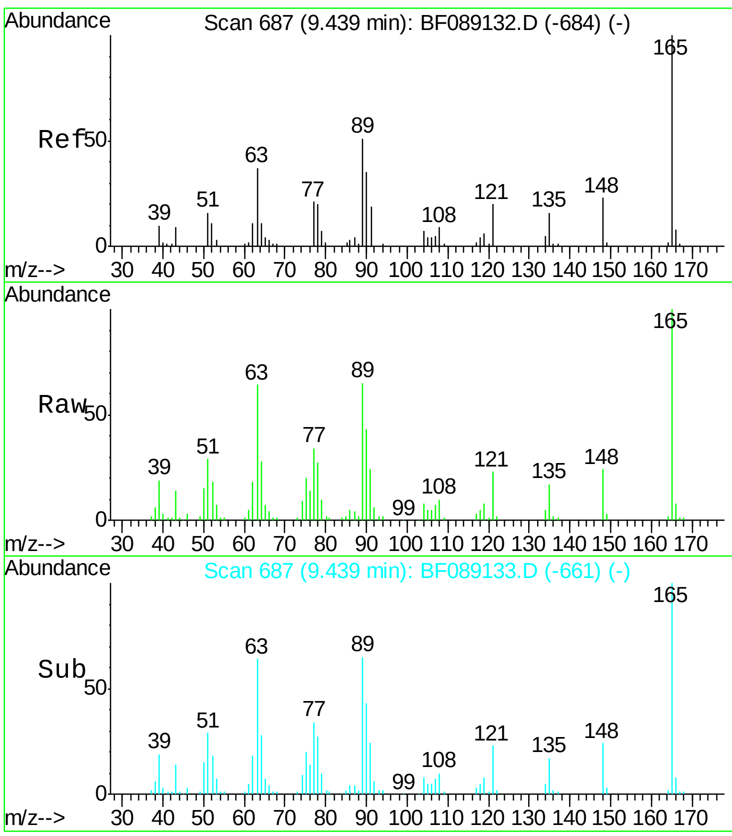
#49
Dimethylphthalate
Concen: 55.69 ng
RT: 9.38 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:163 Resp: 388374

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	10.2	7.6	11.4

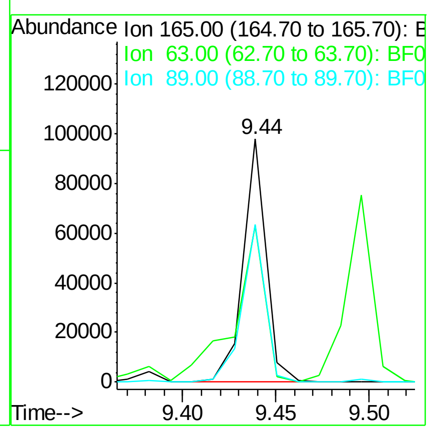


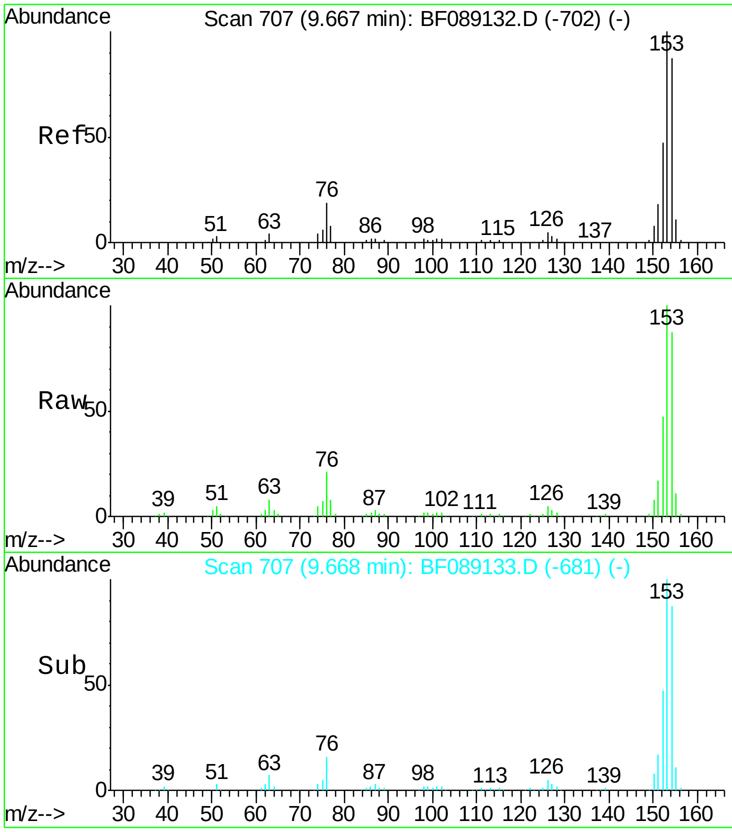


#50
2,6-Dinitrotoluene
Concen: 54.43 ng
RT: 9.44 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:165 Resp: 84603

Ion	Ratio	Lower	Upper
165	100		
63	64.3	37.0	55.4#
89	65.0	40.9	61.3#



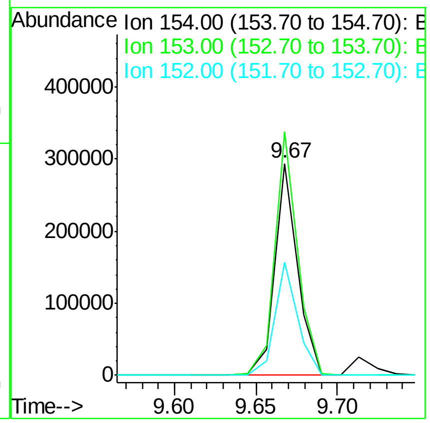


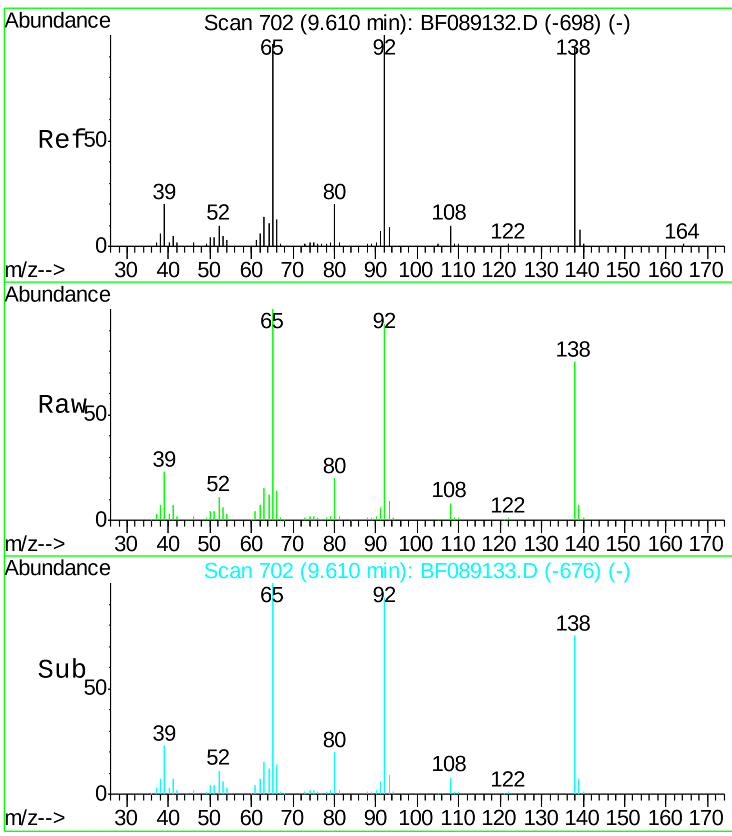
#51
Acenaphthene
Concen: 47.54 ng
RT: 9.67 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:154 Resp: 287462

Ion	Ratio	Lower	Upper
154	100		
153	114.8	91.9	137.9
152	53.4	42.8	64.2

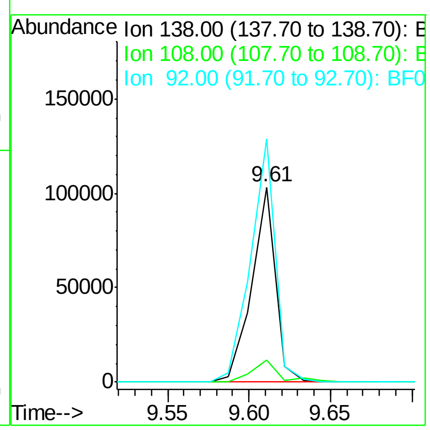


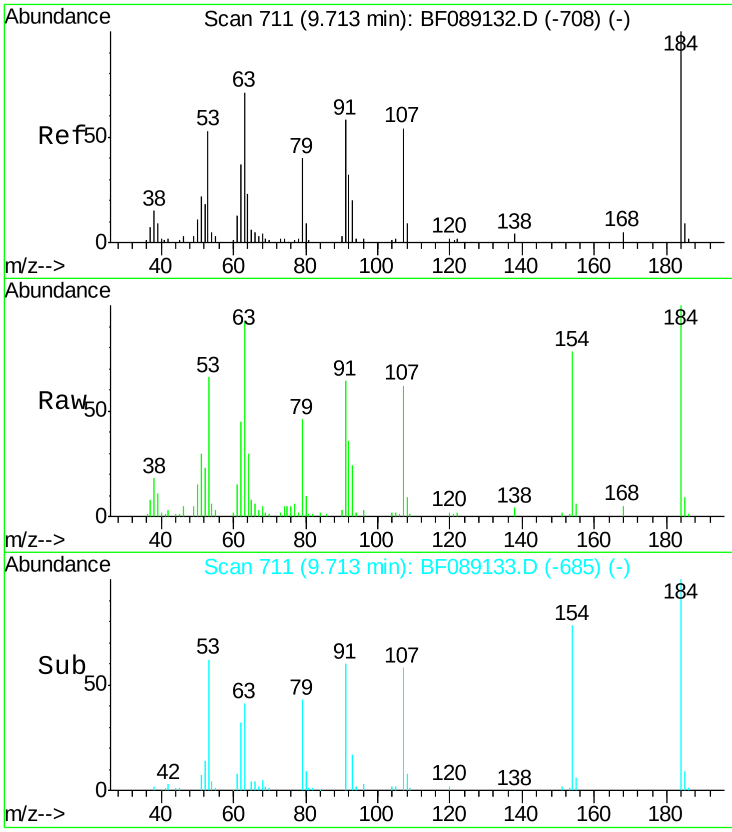


#52
3-Nitroaniline
Concen: 55.11 ng
RT: 9.61 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:138 Resp: 104737

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.8	13.2
92	124.6	85.3	127.9



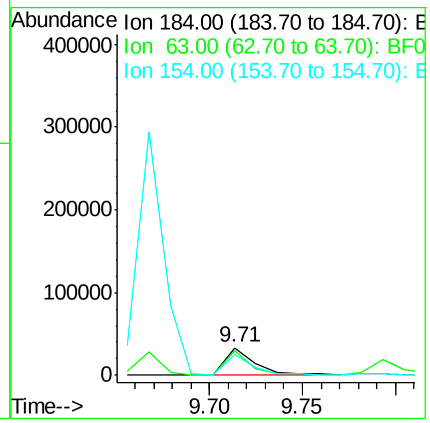


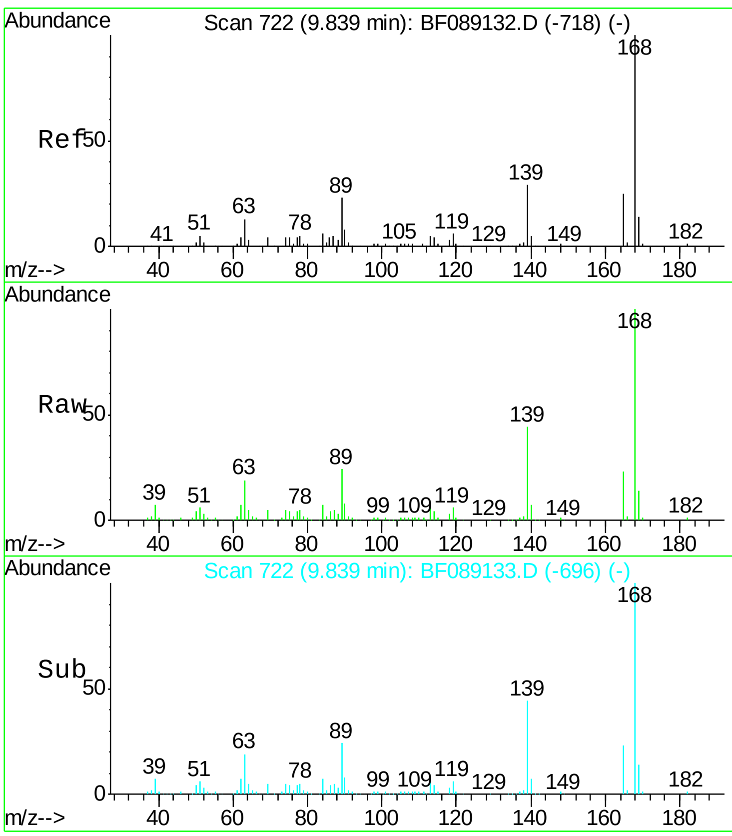
#53
2,4-Dinitrophenol
Concen: 57.04 ng
RT: 9.71 min   Scan# 711
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 38650

Ion	Ratio	Lower	Upper
184	100		
63	91.6	60.3	90.5#
154	78.3	60.7	91.1

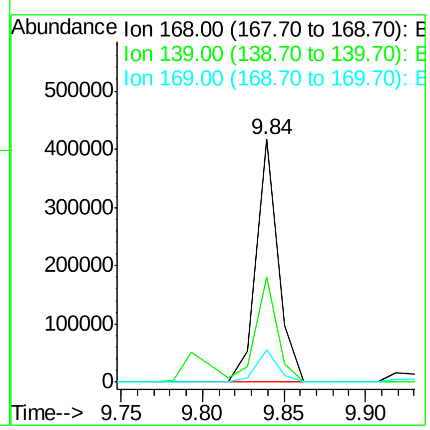


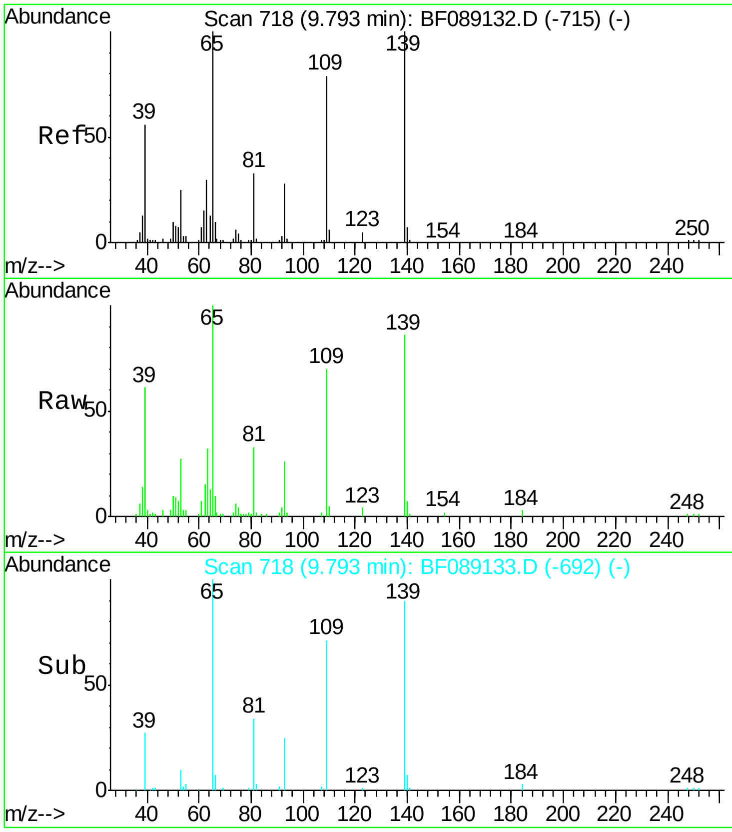


#54
Dibenzofuran
Concen: 49.47 ng
RT: 9.84 min   Scan# 722
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:168 Resp: 392086

Ion	Ratio	Lower	Upper
168	100		
139	43.5	34.4	51.6
169	13.5	10.8	16.2



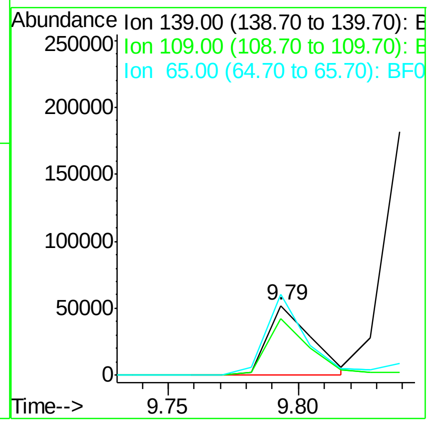


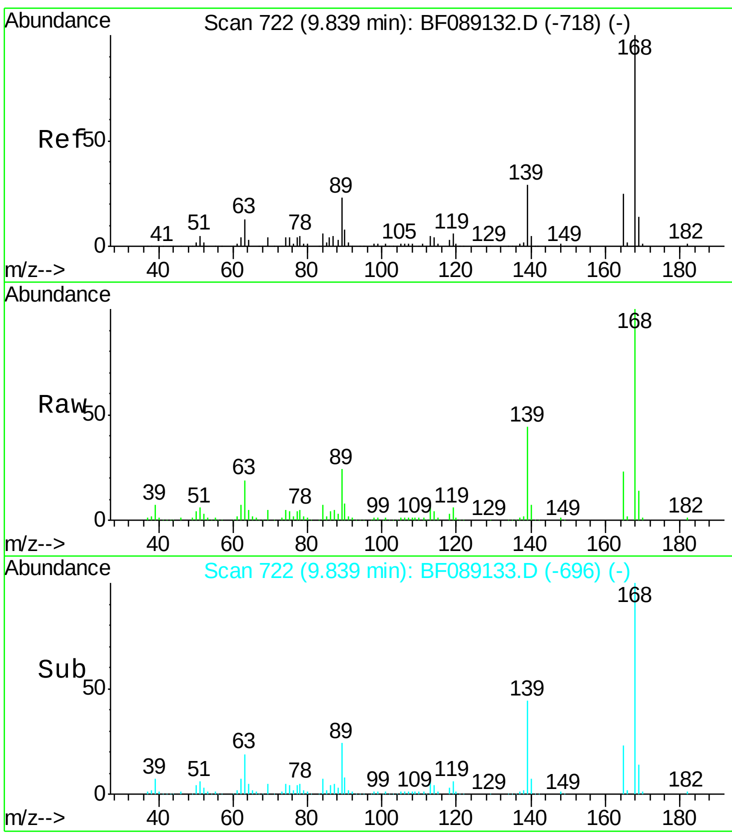
#55
4-Nitrophenol
Concen: 43.70 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument : BNA_F
ClientSampleId : SSTDICC050

Tgt Ion:139 Resp: 61511

Ion	Ratio	Lower	Upper
139	100		
109	81.2	58.7	98.7
65	116.0	80.2	120.2

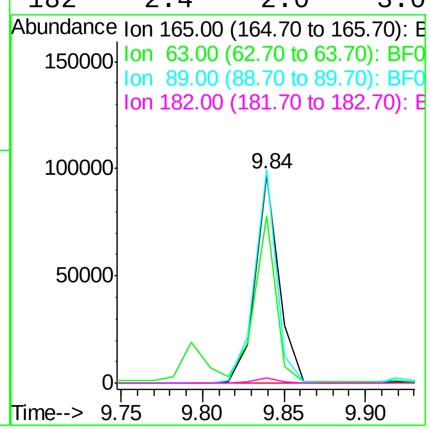


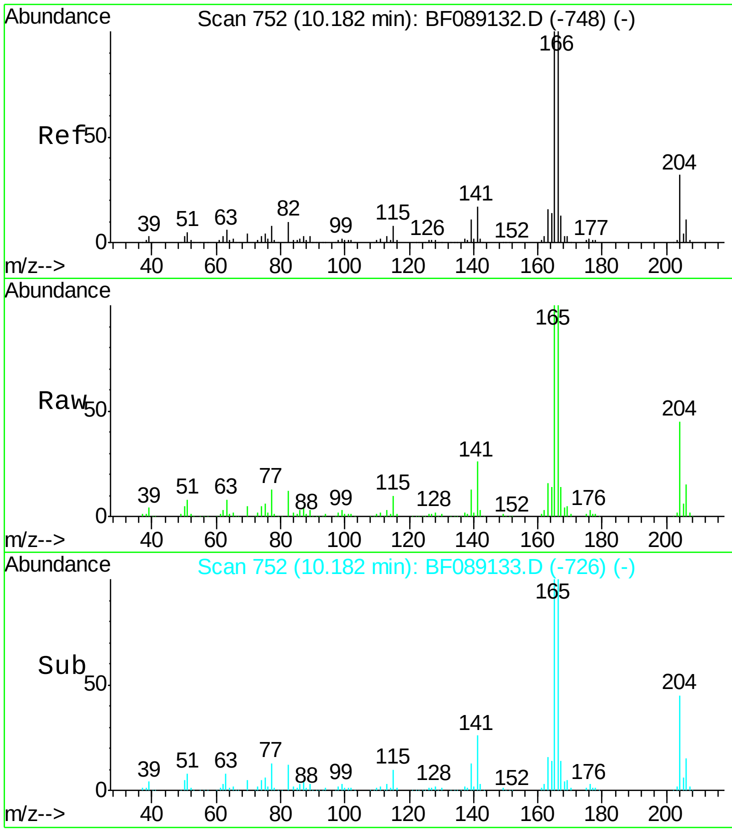


#56
2,4-Dinitrotoluene
Concen: 49.40 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:165 Resp: 98878

Ion	Ratio	Lower	Upper
165	100		
63	80.2	55.4	83.2
89	102.1	74.3	111.5
182	2.4	2.0	3.0



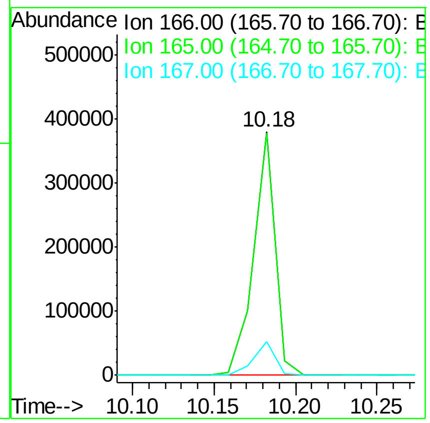


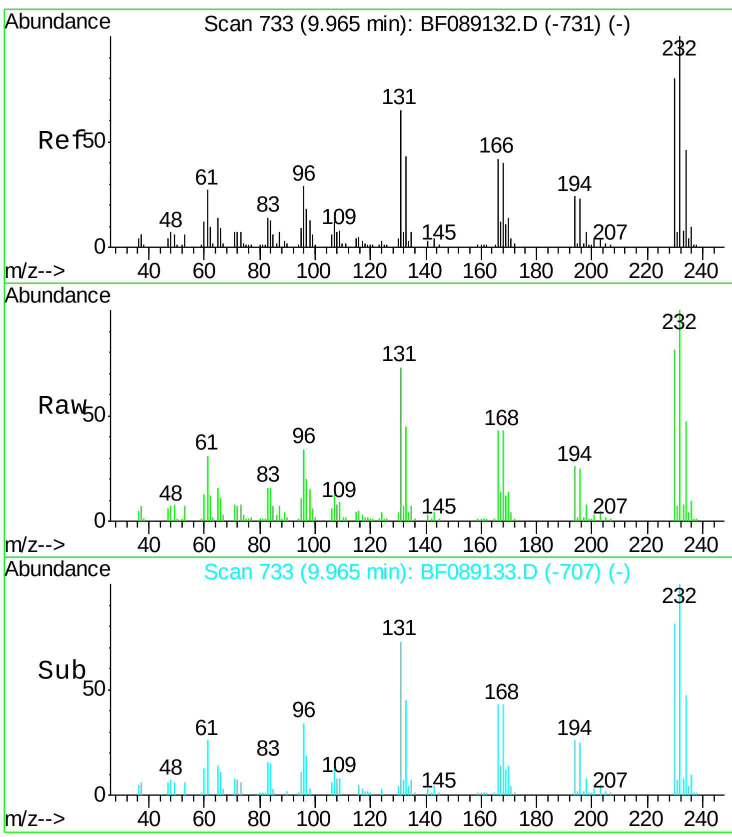
#57
Fluorene
Concen: 55.19 ng
RT: 10.18 min   Scan# 752
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:166 Resp: 348867

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.9	119.9
167	13.7	10.7	16.1

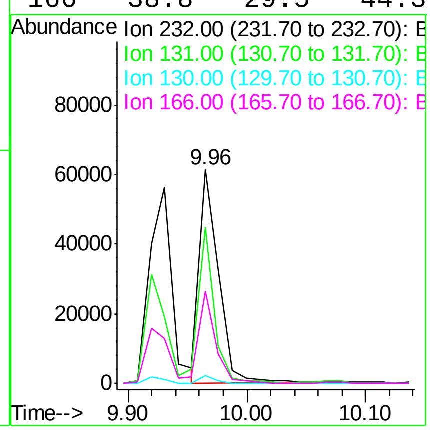


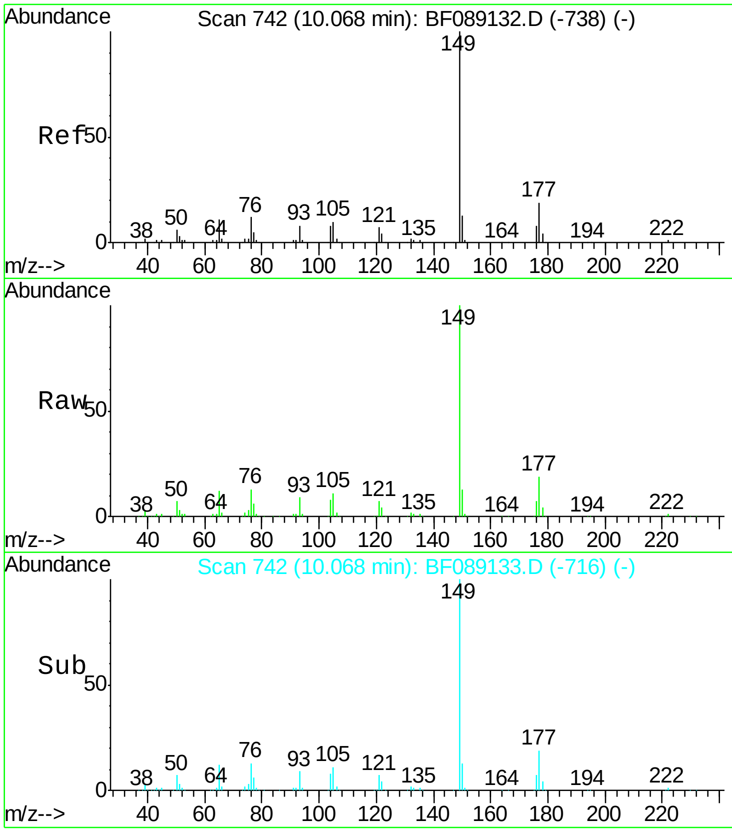


#58
2,3,4,6-Tetrachlorophenol
Concen: 49.60 ng
RT: 9.96 min   Scan# 733
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:232 Resp: 69379

Ion	Ratio	Lower	Upper
232	100		
131	62.7	46.2	69.2
130	3.0	2.3	3.5
166	38.8	29.5	44.3



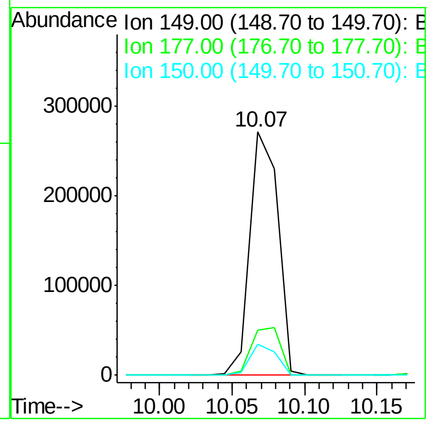


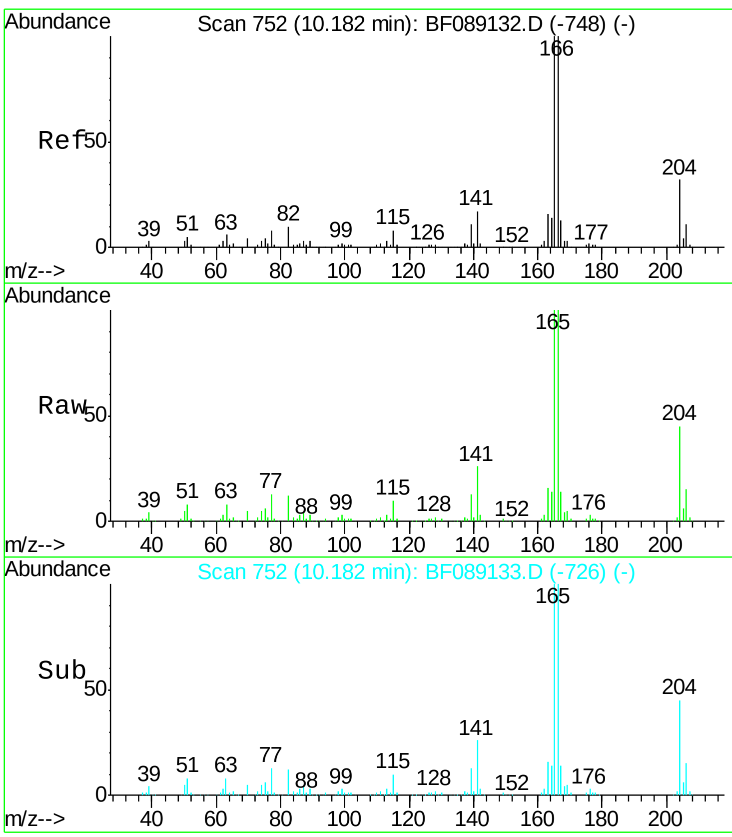
#59
Diethylphthalate
Concen: 53.74 ng
RT: 10.07 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 366978

Ion	Ratio	Lower	Upper
149	100		
177	18.5	15.6	23.4
150	12.5	10.1	15.1

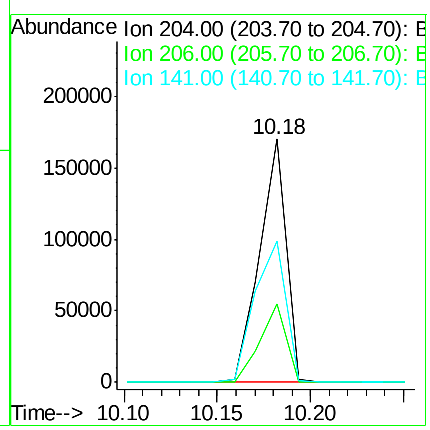


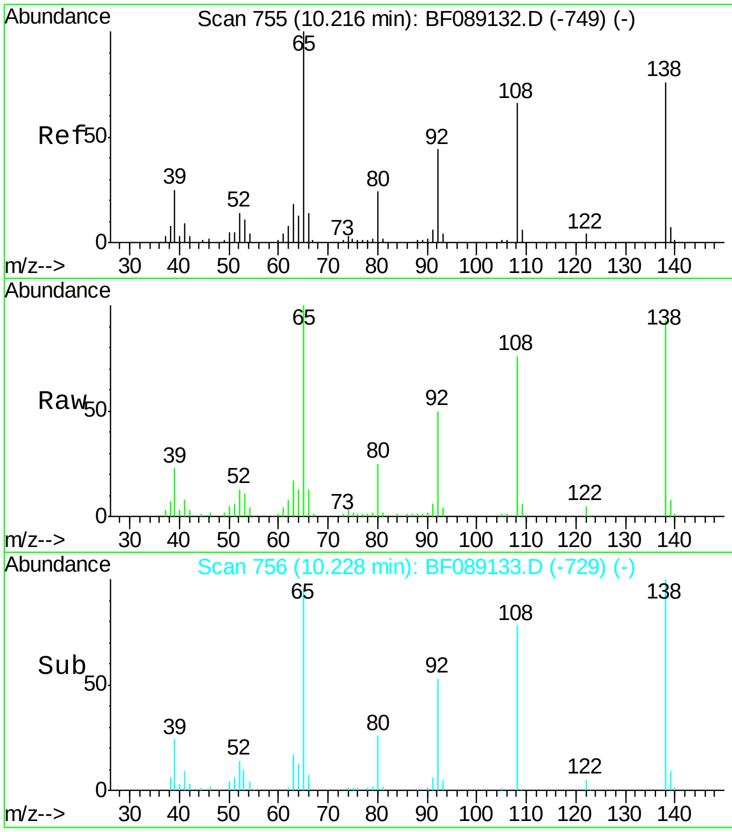


#60
4-Chlorophenyl-phenylether
Concen: 57.80 ng
RT: 10.18 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:204 Resp: 167243

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.4
141	58.0	42.2	63.4



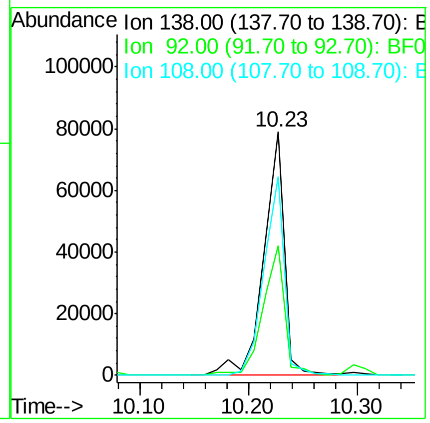


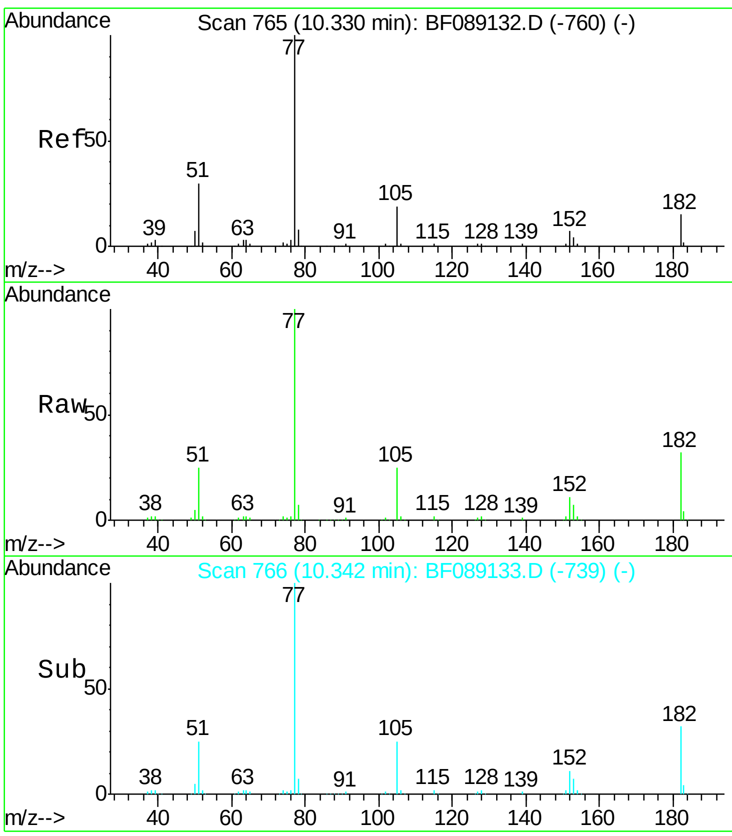
#61
4-Nitroaniline
Concen: 57.01 ng
RT: 10.23 min Scan# 756
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 106275

Ion	Ratio	Lower	Upper
138	100		
92	53.1	37.2	77.2
108	81.6	66.1	106.1

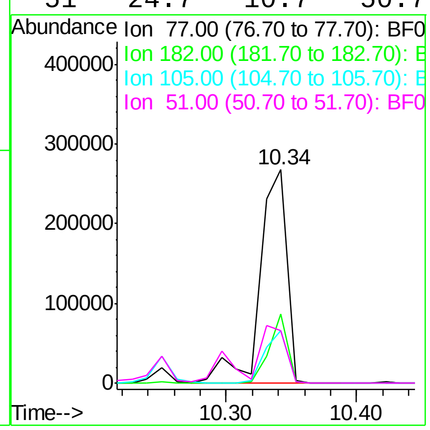


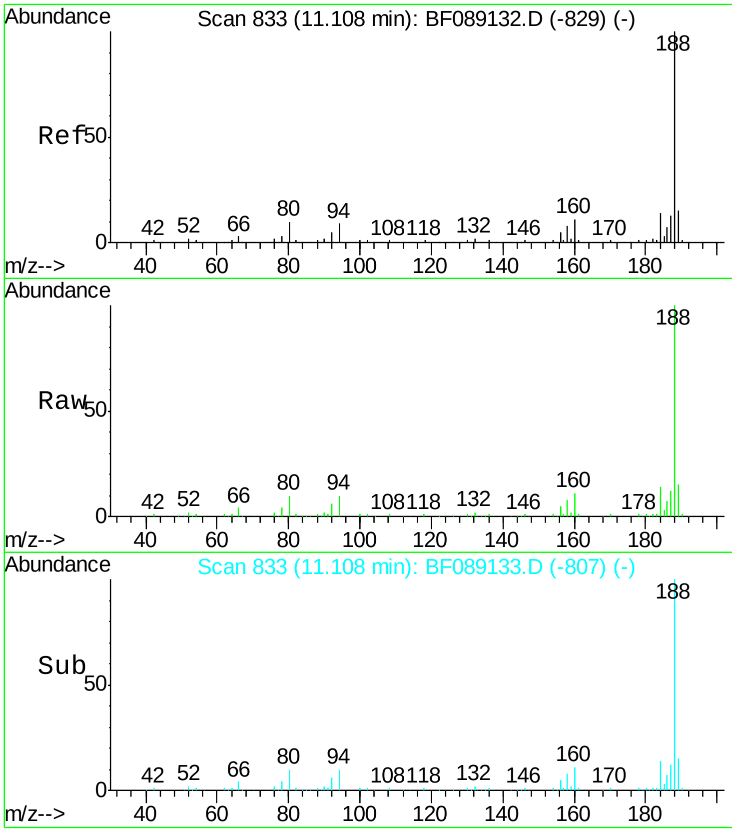


#62
Azobenzene
Concen: 50.25 ng
RT: 10.34 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion: 77 Resp: 389396

Ion	Ratio	Lower	Upper
77	100		
182	32.4	0.0	35.0
105	24.7	0.0	39.4
51	24.7	10.7	50.7



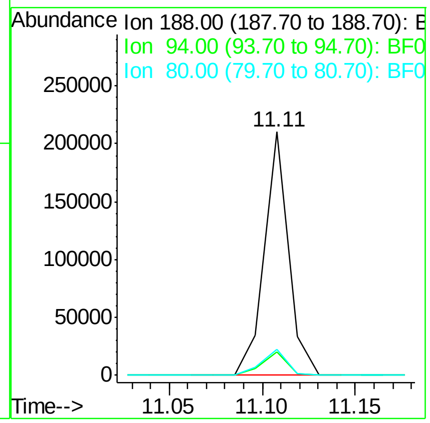


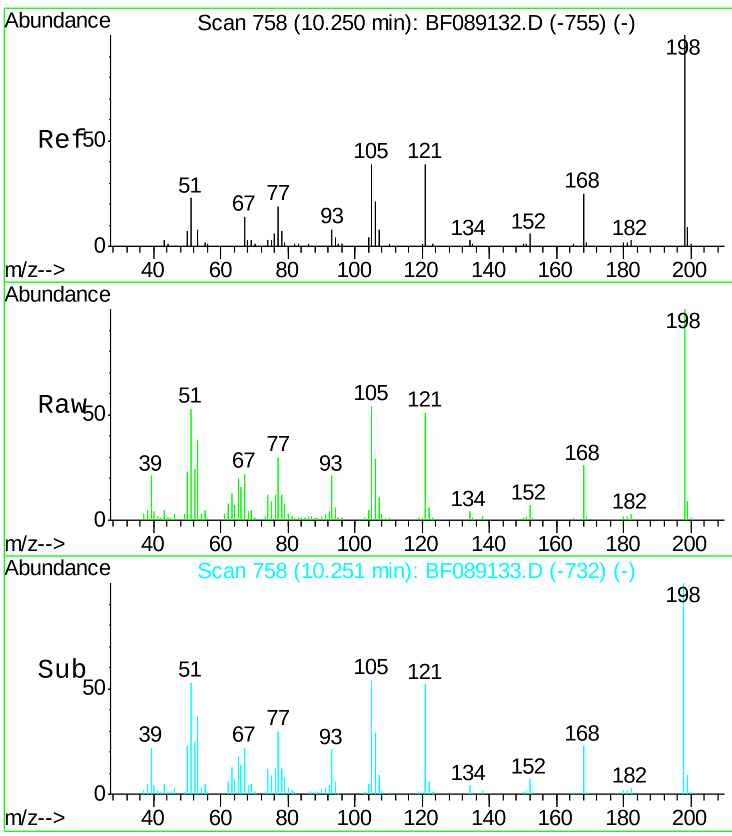
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min   Scan# 833
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:188 Resp: 192139

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.0	10.4
80	10.5	7.7	11.5

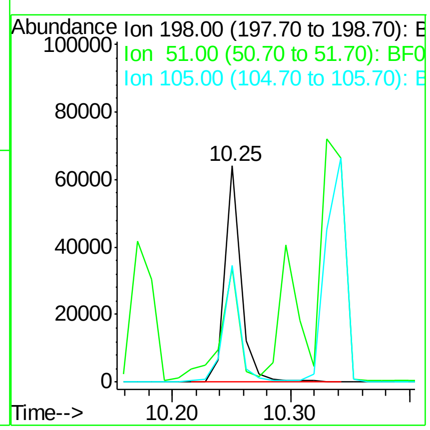


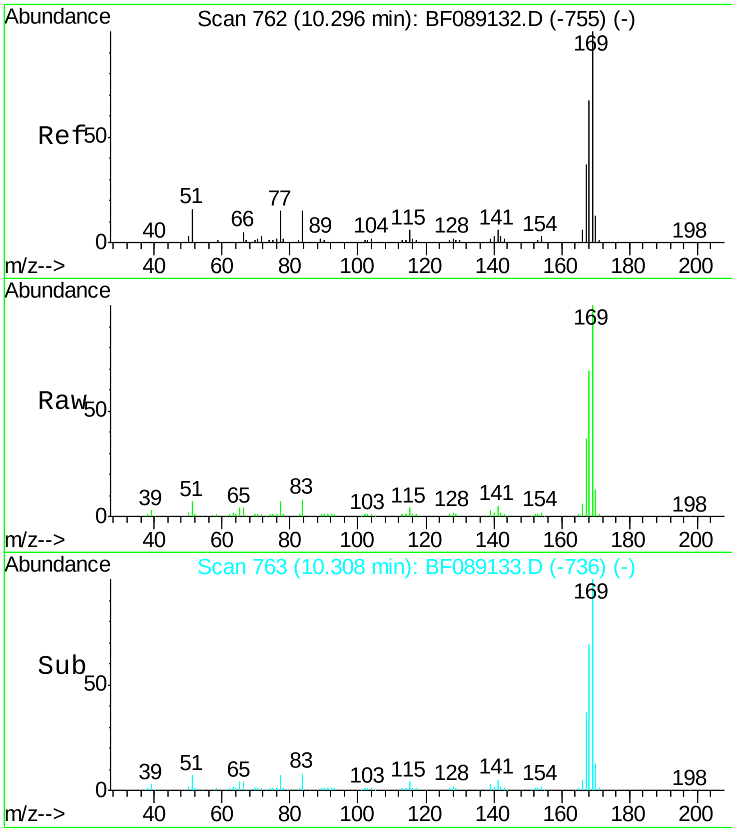


#64
4,6-Dinitro-2-methylphenol
Concen: 57.82 ng
RT: 10.25 min   Scan# 758
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:198 Resp: 59888

Ion	Ratio	Lower	Upper
198	100		
51	52.8	11.7	51.7#
105	53.9	20.3	60.3



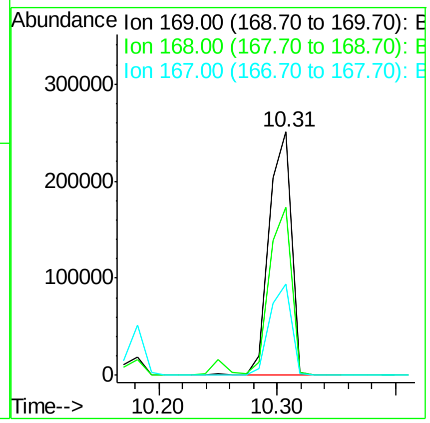


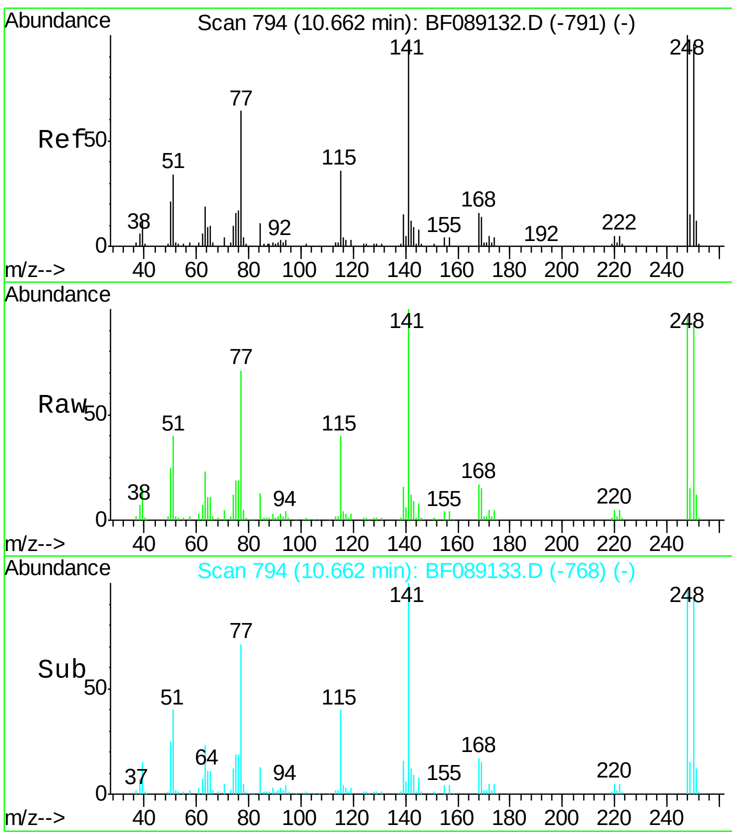
#65
n-Nitrosodiphenylamine
Concen: 51.51 ng
RT: 10.31 min   Scan# 763
Delta R.T.   0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:169 Resp: 329215

Ion	Ratio	Lower	Upper
169	100		
168	69.2	53.4	80.0
167	37.4	29.5	44.3

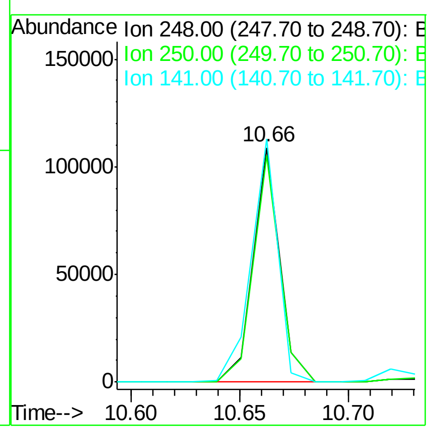


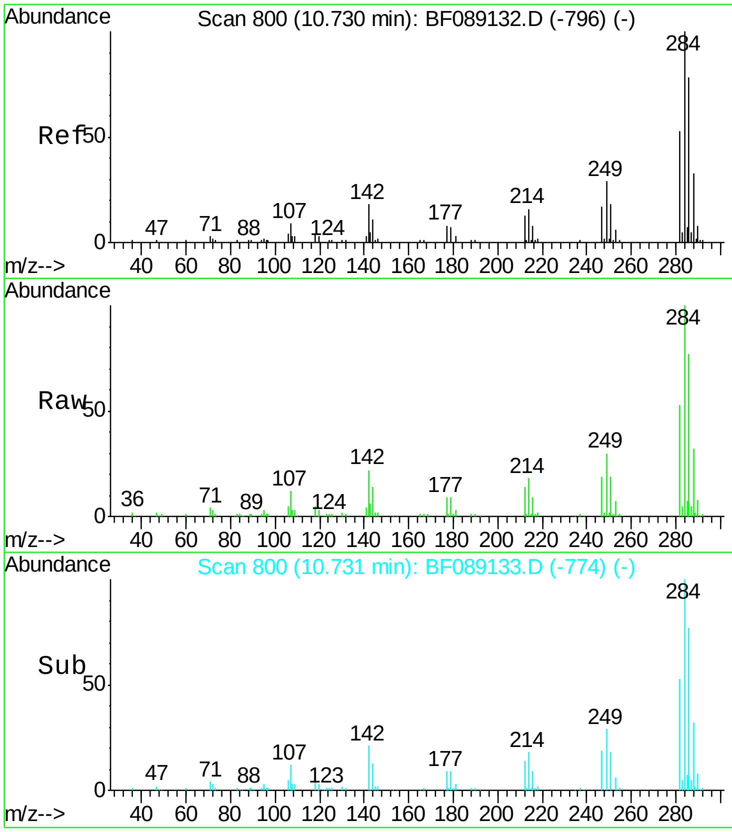


#66
4-Bromophenyl-phenylether
Concen: 47.59 ng
RT: 10.66 min   Scan# 794
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:248 Resp: 92062

Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.9	115.3
141	103.5	77.4	116.2



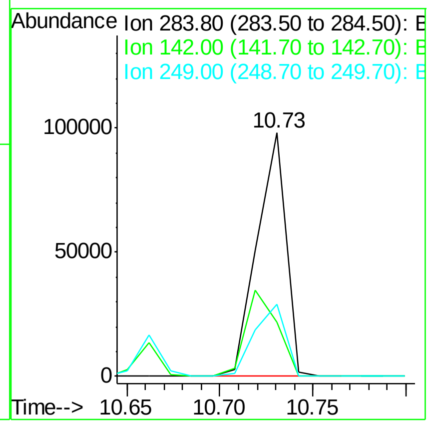


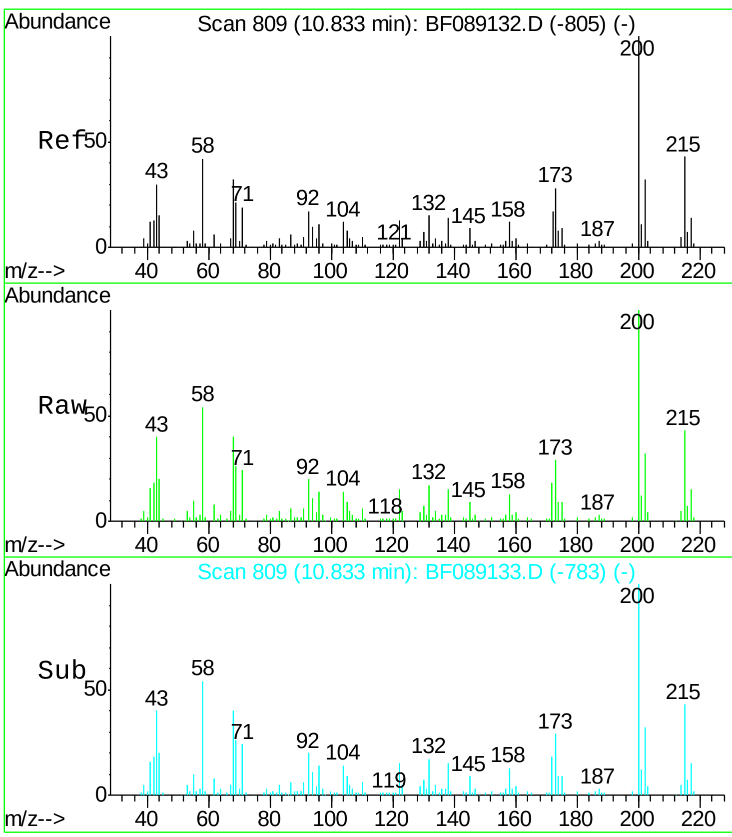
#67
Hexachlorobenzene
Concen: 49.81 ng
RT: 10.73 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument : BNA_F
ClientSampleId : SSTDICC050

Tgt Ion:284 Resp: 105120

Ion	Ratio	Lower	Upper
284	100		
142	22.1	14.1	21.1#
249	29.8	23.0	34.4

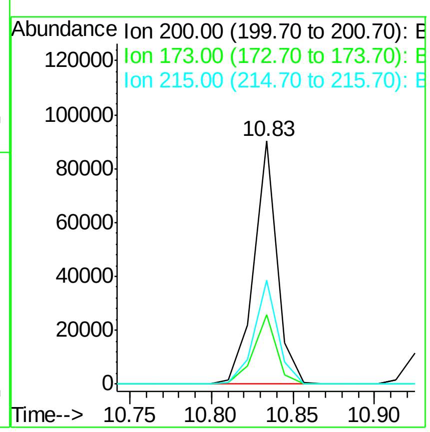


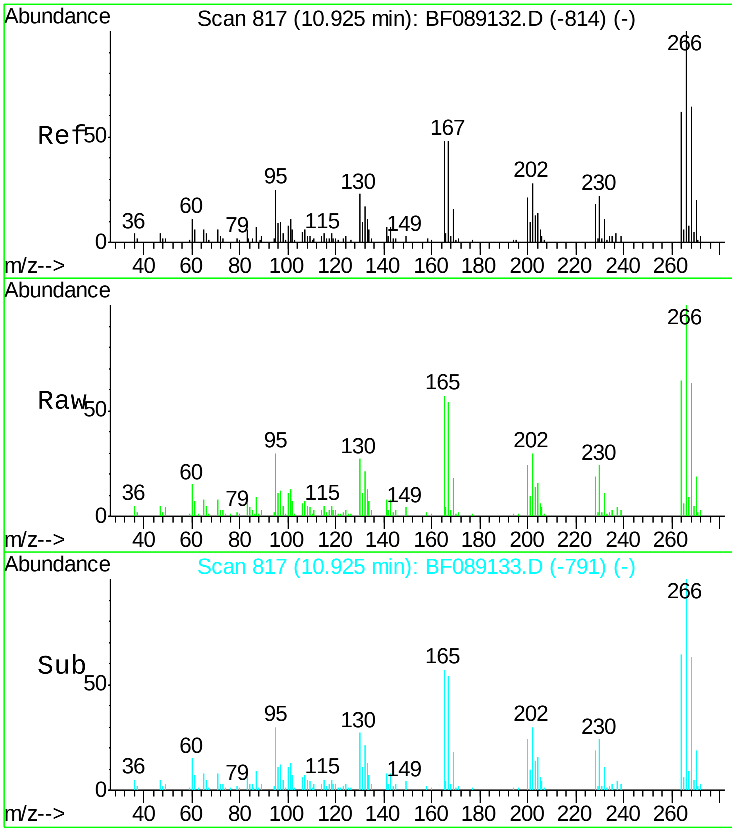


#68
Atrazine
Concen: 44.15 ng
RT: 10.83 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:200 Resp: 88697

Ion	Ratio	Lower	Upper
200	100		
173	28.7	7.8	47.8
215	42.6	22.9	62.9



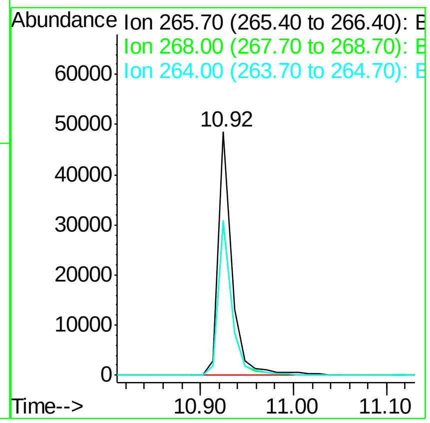


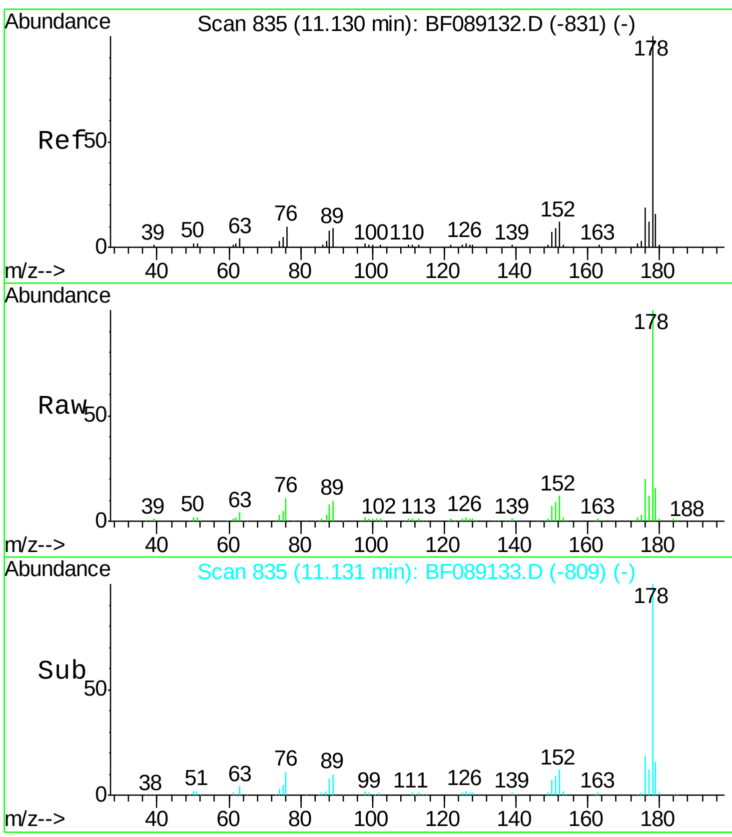
#69
Pentachlorophenol
Concen: 40.81 ng
RT: 10.92 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:266 Resp: 49663

Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.2	76.8
264	63.9	49.7	74.5

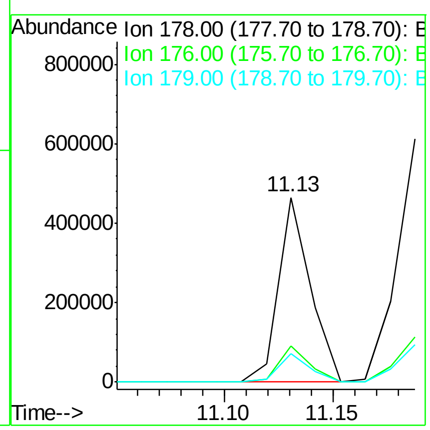


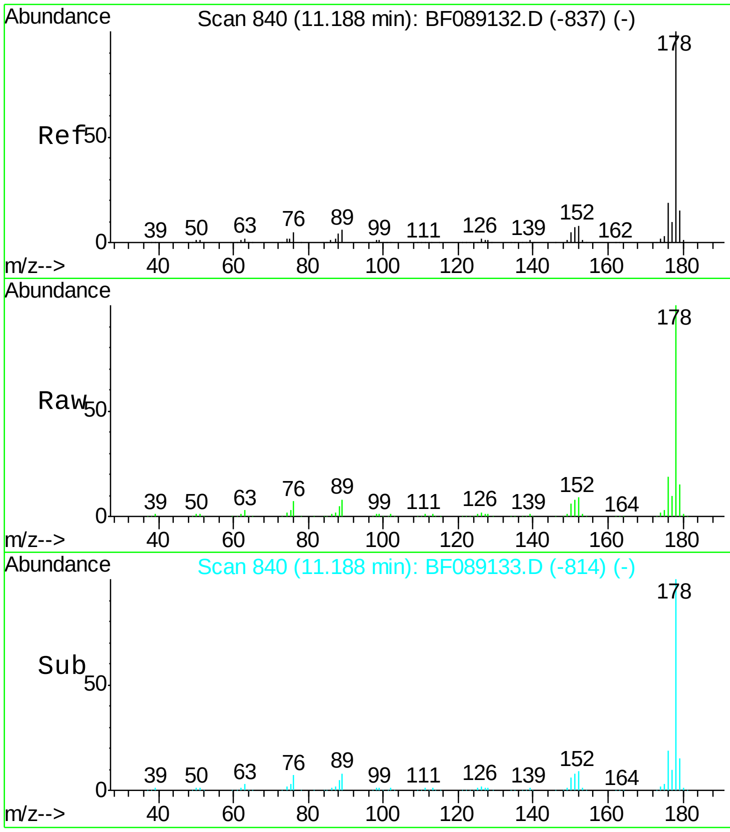


#70
Phenanthrene
Concen: 45.88 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:178 Resp: 480290

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.7	12.4	18.6



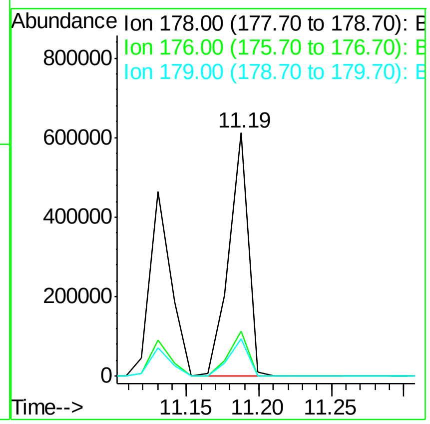


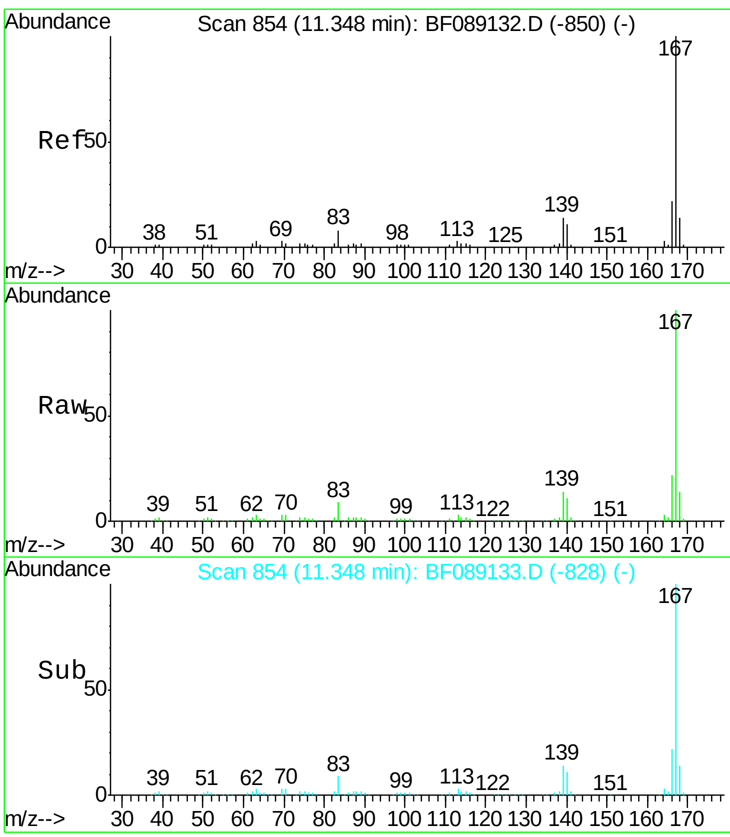
#71
Anthracene
Concen: 54.62 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 574501

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	12.0	18.0

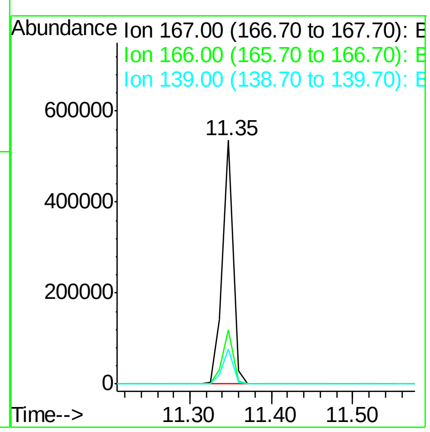


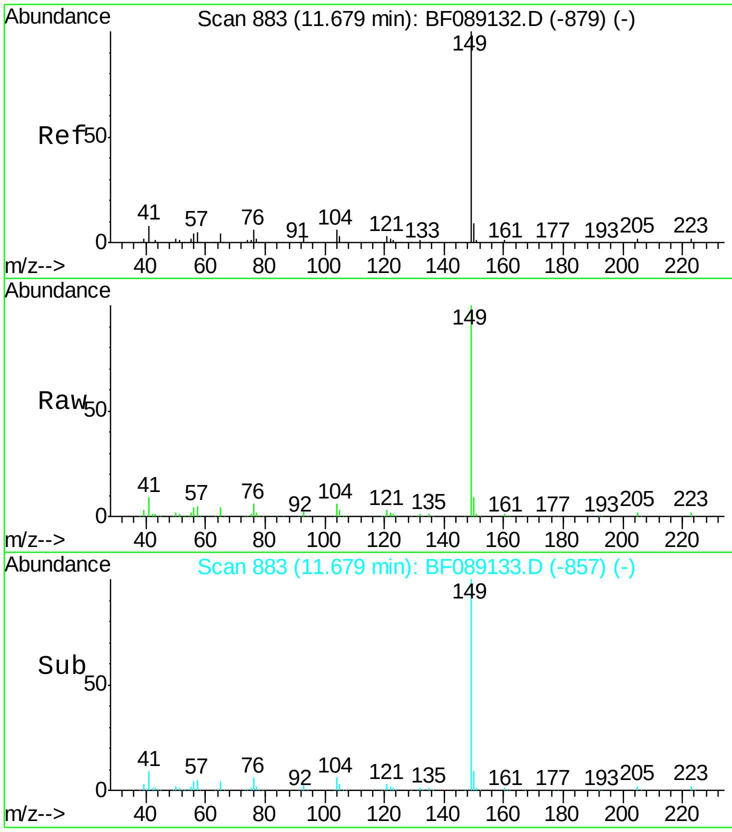


#72
Carbazole
Concen: 49.18 ng
RT: 11.35 min Scan# 854
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:167 Resp: 491819

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.7	26.5
139	14.4	11.0	16.4



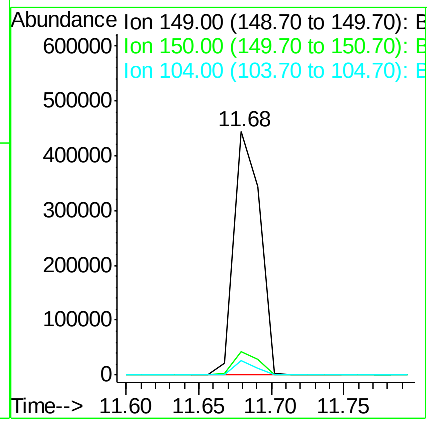


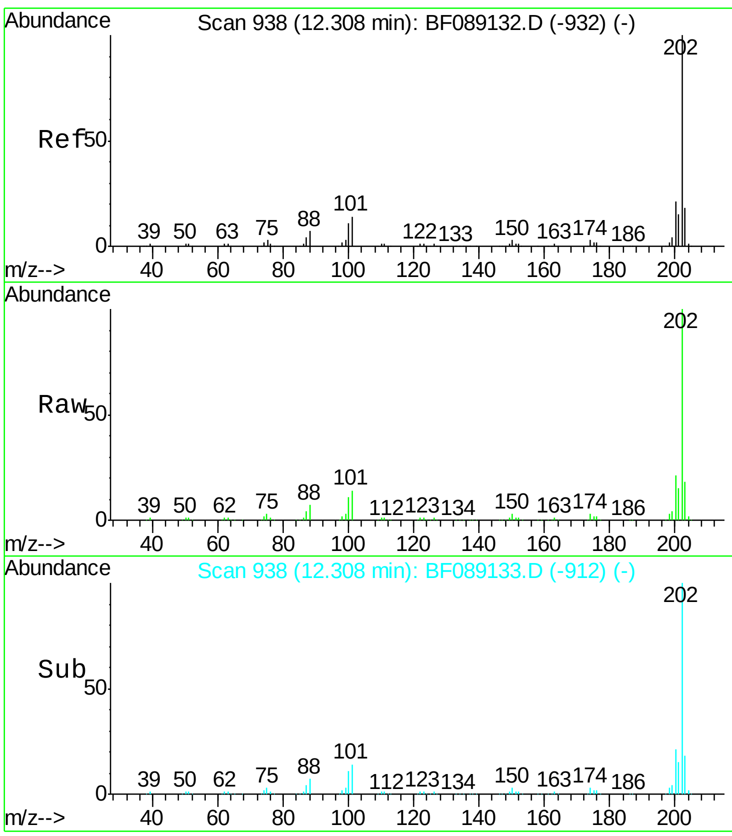
#73
Di-n-butylphthalate
Concen: 48.85 ng
RT: 11.68 min   Scan# 883
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 558244

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.9	4.6	6.8

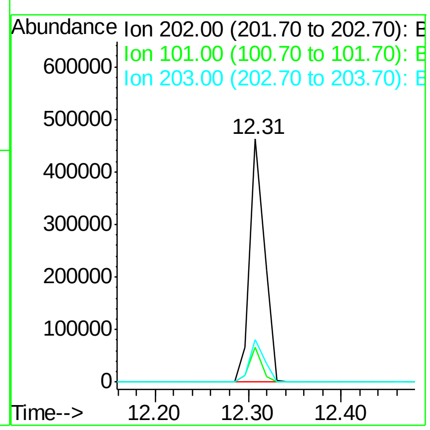


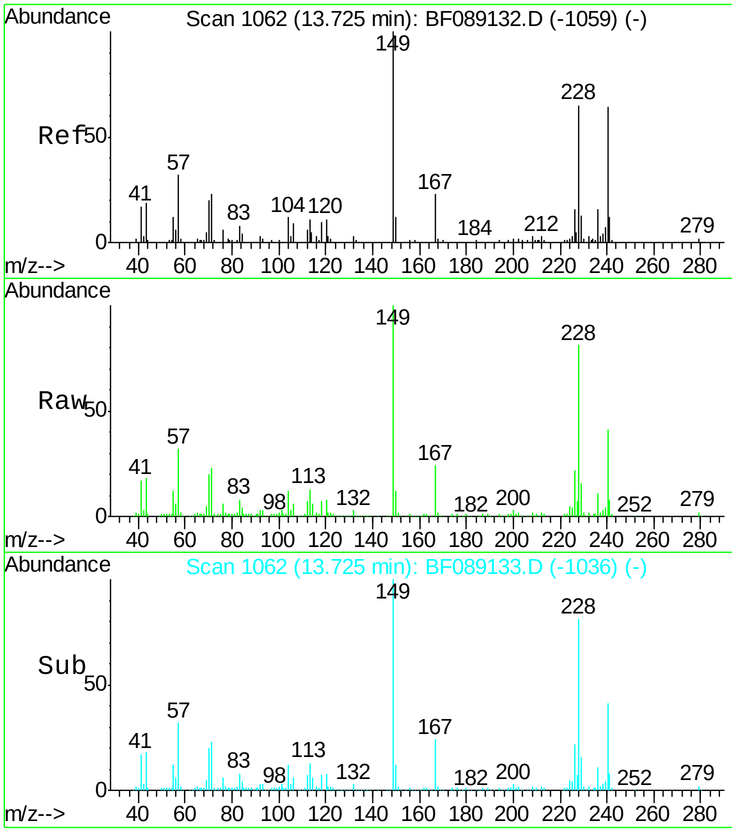


#74
Fluoranthene
Concen: 48.96 ng
RT: 12.31 min   Scan# 938
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:202 Resp: 513278

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.0
203	17.7	0.0	37.8



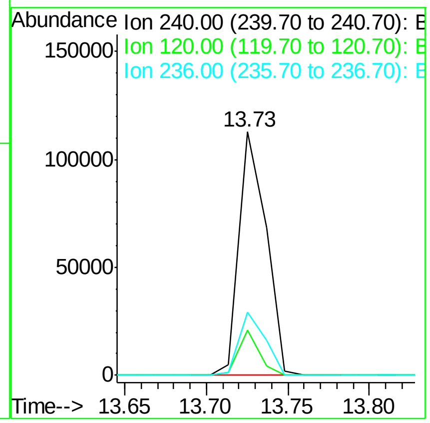


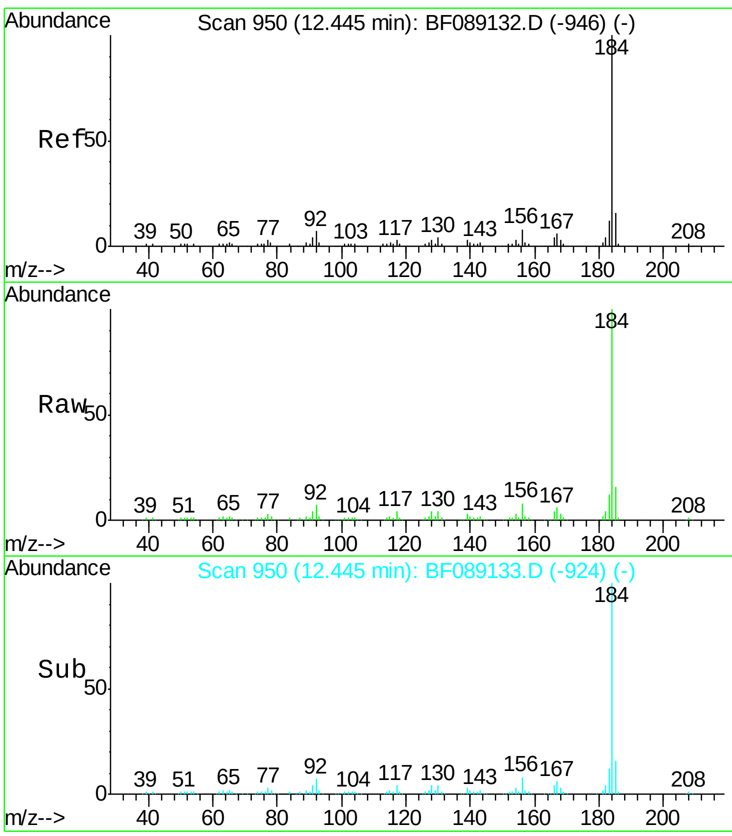
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min   Scan# 1062
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:240 Resp: 129054

Ion	Ratio	Lower	Upper
240	100		
120	18.8	13.6	20.4
236	26.0	20.5	30.7

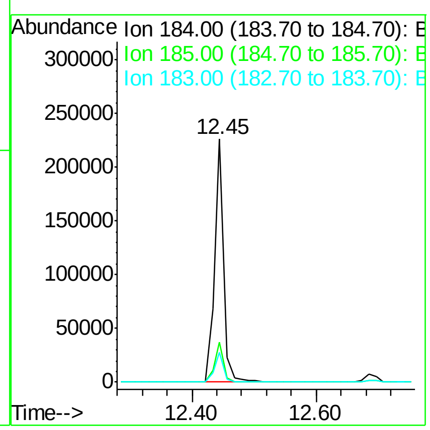


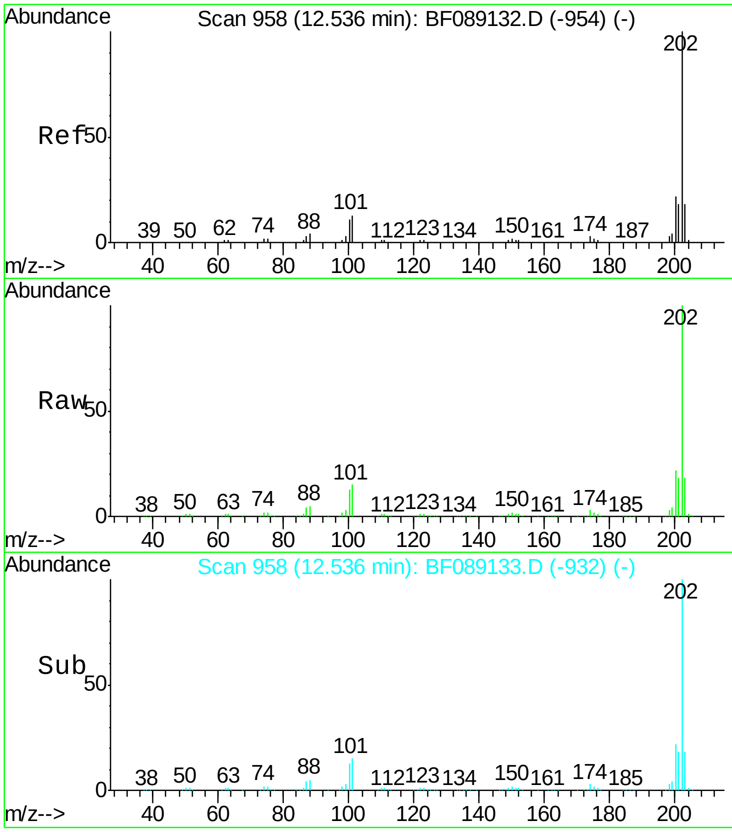


#76
Benzidine
Concen: 36.85 ng
RT: 12.45 min   Scan# 950
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:184 Resp: 228328

Ion	Ratio	Lower	Upper
184	100		
185	16.5	12.5	18.7
183	12.1	9.6	14.4



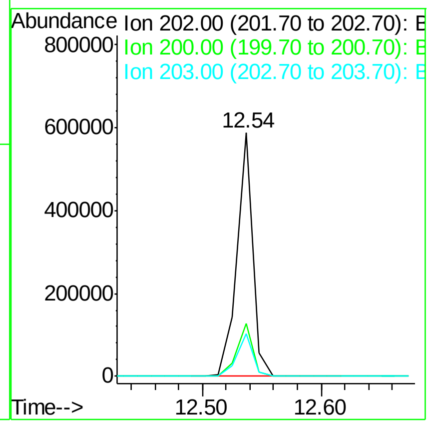


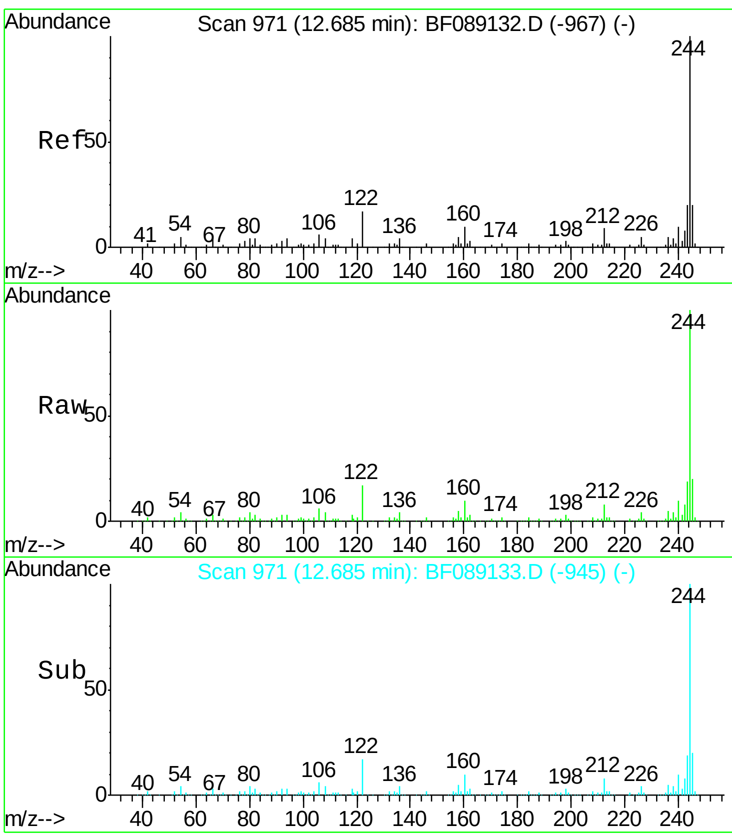
#77
Pyrene
Concen: 50.14 ng
RT: 12.54 min   Scan# 958
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 543516

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0
203	17.6	14.2	21.2

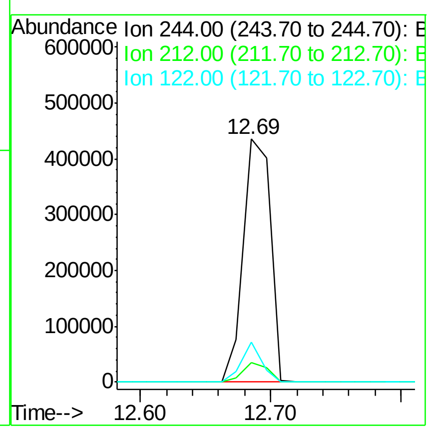


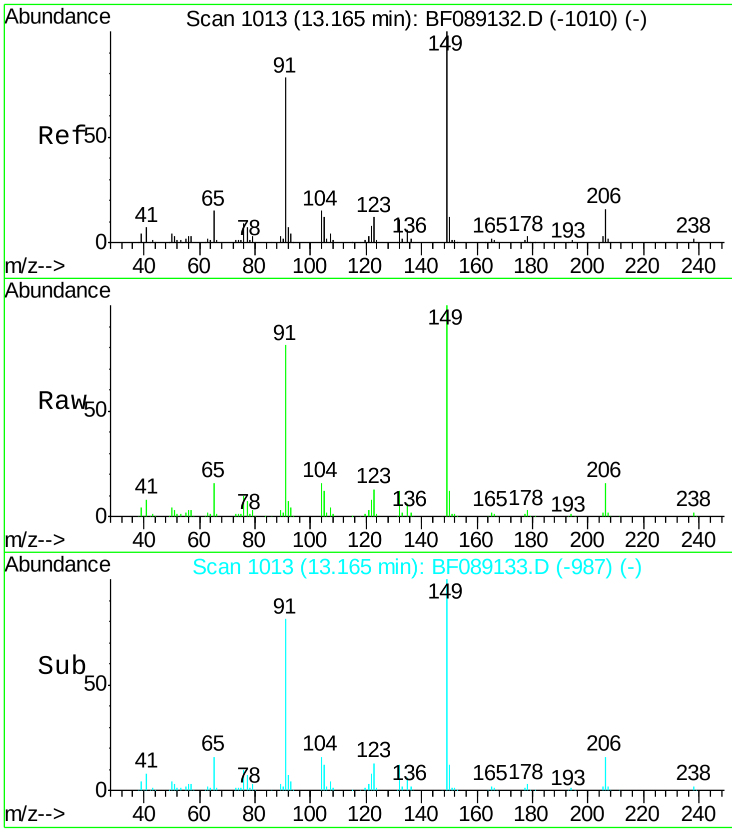


#78
Terphenyl-d14
Concen: 109.33 ng
RT: 12.69 min   Scan# 971
Delta R.T.   0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016   14:02

Tgt Ion:244 Resp: 628508

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	16.6	13.8	20.8



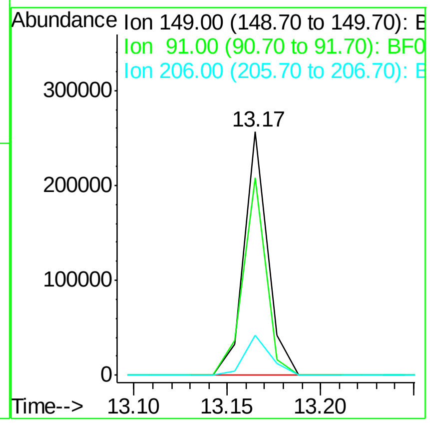


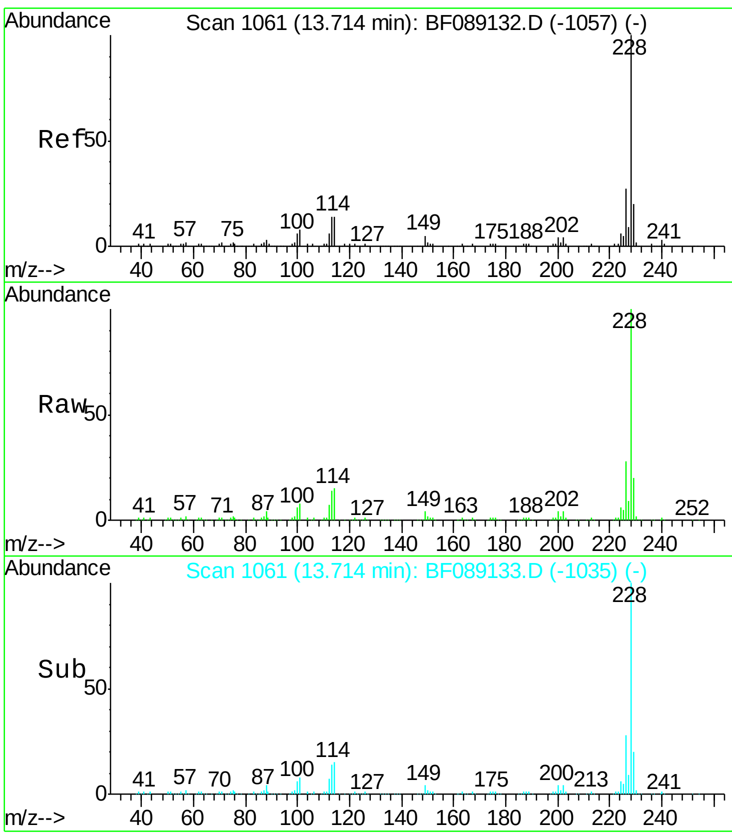
#79
Butylbenzylphthalate
Concen: 46.95 ng
RT: 13.17 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 226908

Ion	Ratio	Lower	Upper
149	100		
91	81.1	62.6	93.8
206	16.3	13.2	19.8

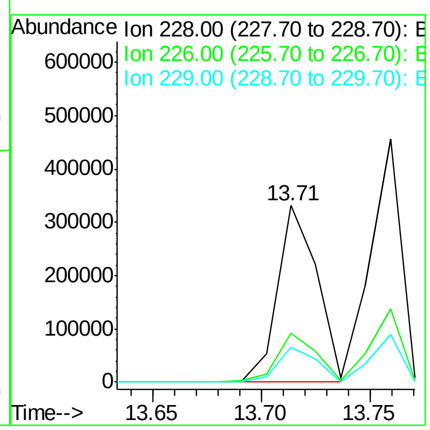


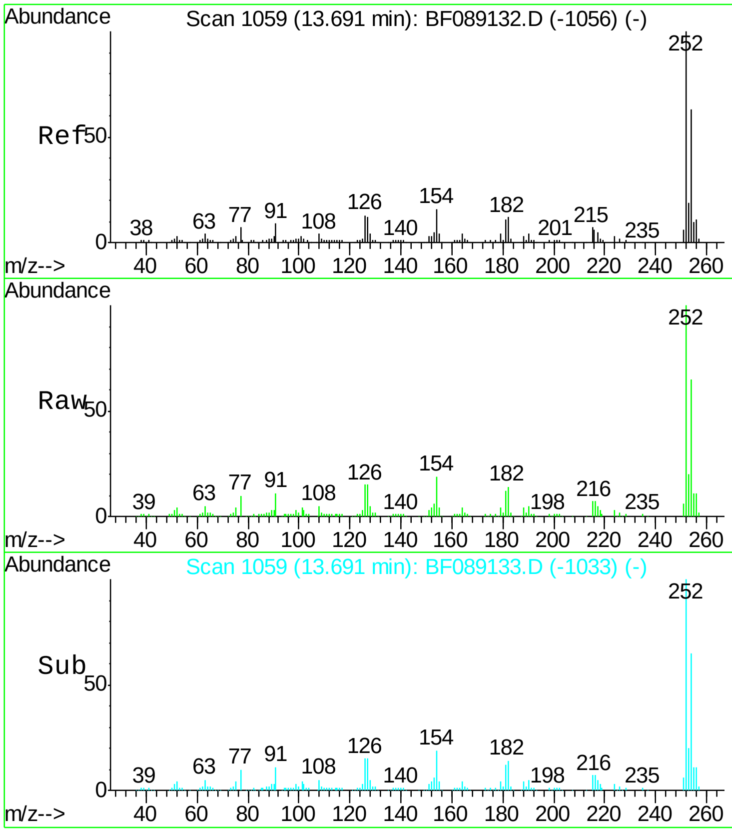


#80
Benzo(a)anthracene
Concen: 51.11 ng
RT: 13.71 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:228 Resp: 422136

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.7	15.8	23.8



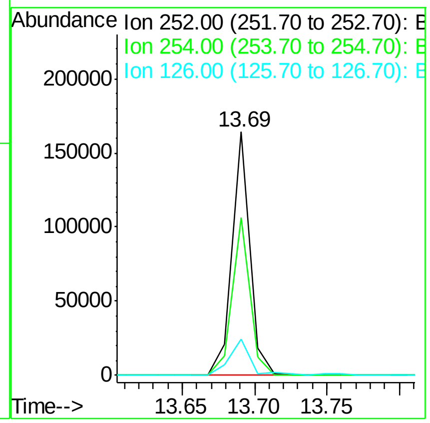


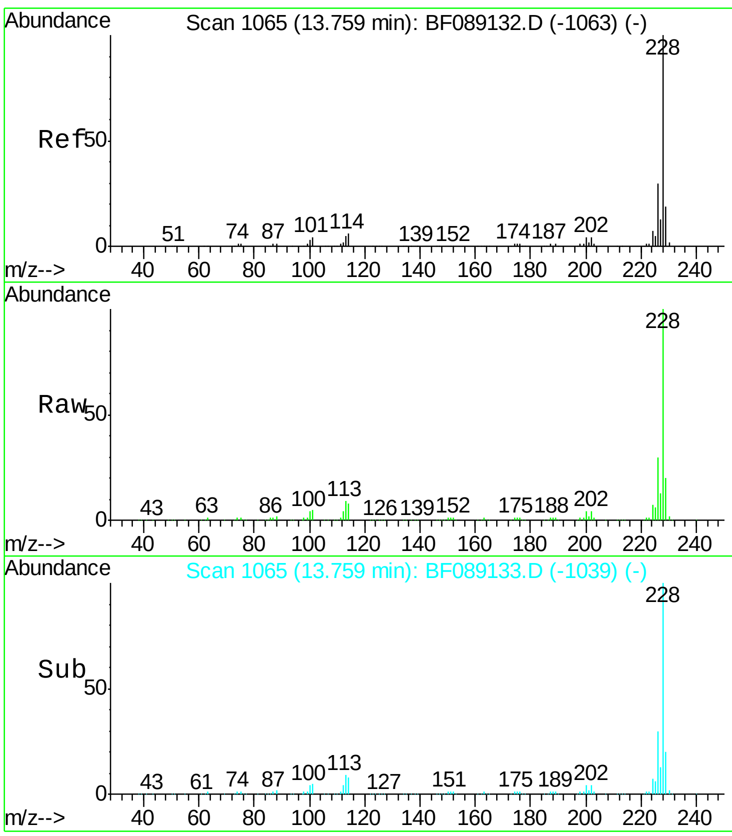
#81
3,3'-Dichlorobenzidine
Concen: 45.21 ng
RT: 13.69 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 141314

Ion	Ratio	Lower	Upper
252	100		
254	64.9	50.4	75.6
126	15.1	10.2	15.2

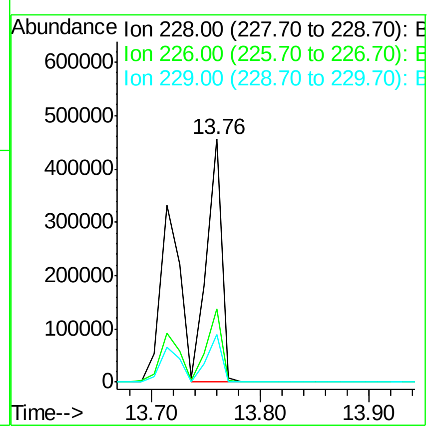


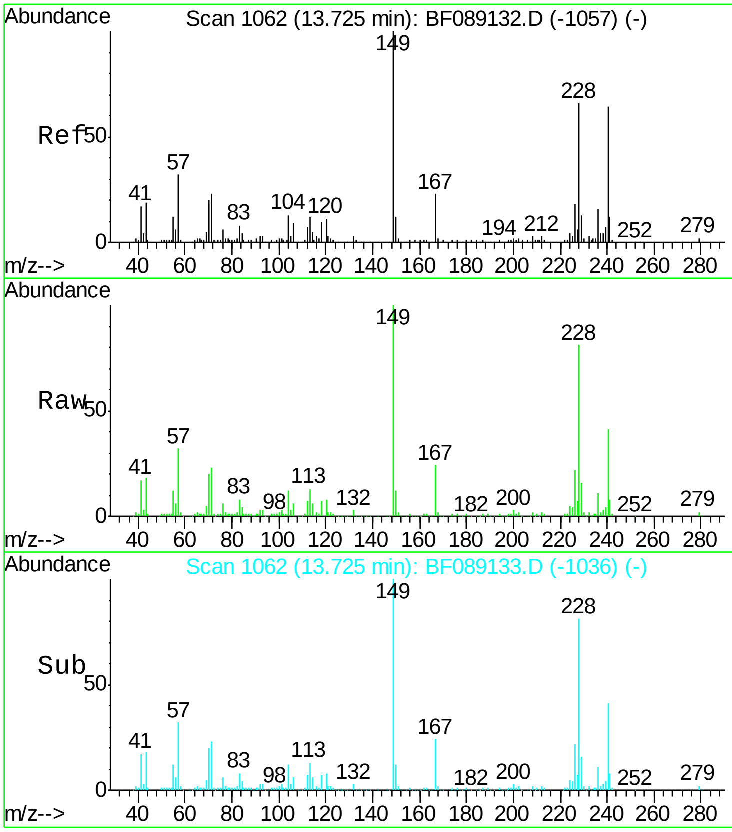


#82
Chrysene
Concen: 54.24 ng
RT: 13.76 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:228 Resp: 446064

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	19.6	15.4	23.0



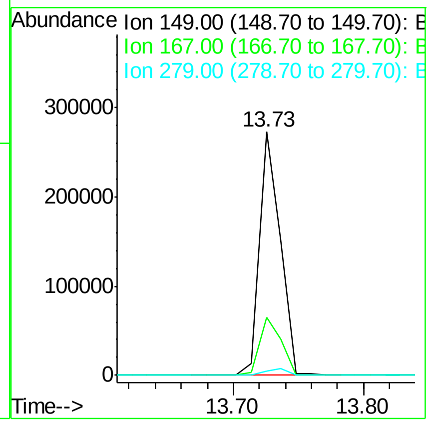


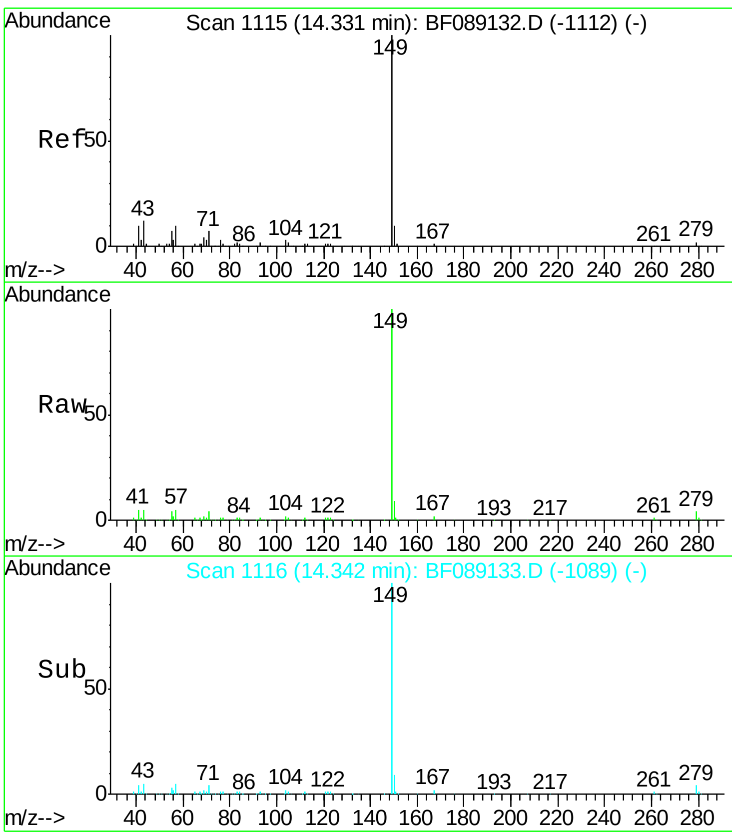
#83
Bis(2-ethylhexyl)phthalate
Concen: 54.82 ng
RT: 13.73 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 304208

Ion	Ratio	Lower	Upper
149	100		
167	23.7	18.6	28.0
279	1.8	1.6	2.4

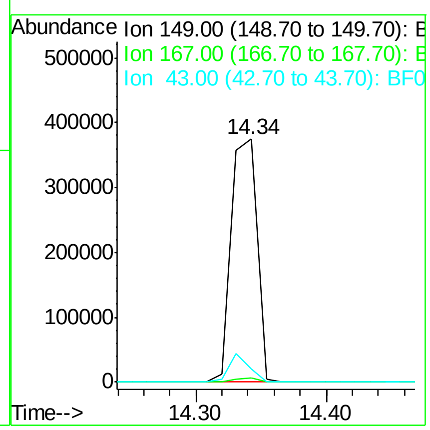


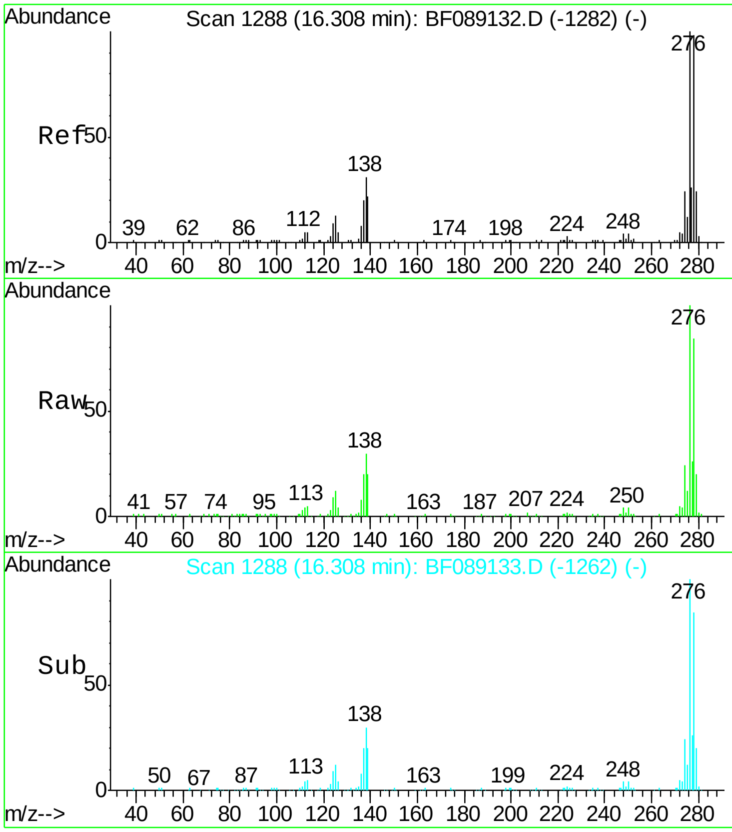


#84
Di-n-octyl phthalate
Concen: 54.69 ng
RT: 14.34 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:149 Resp: 515381

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.7	7.3	10.9



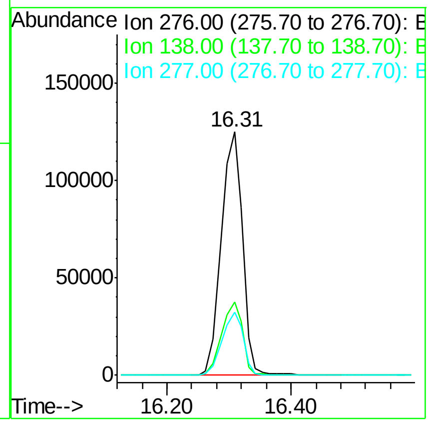


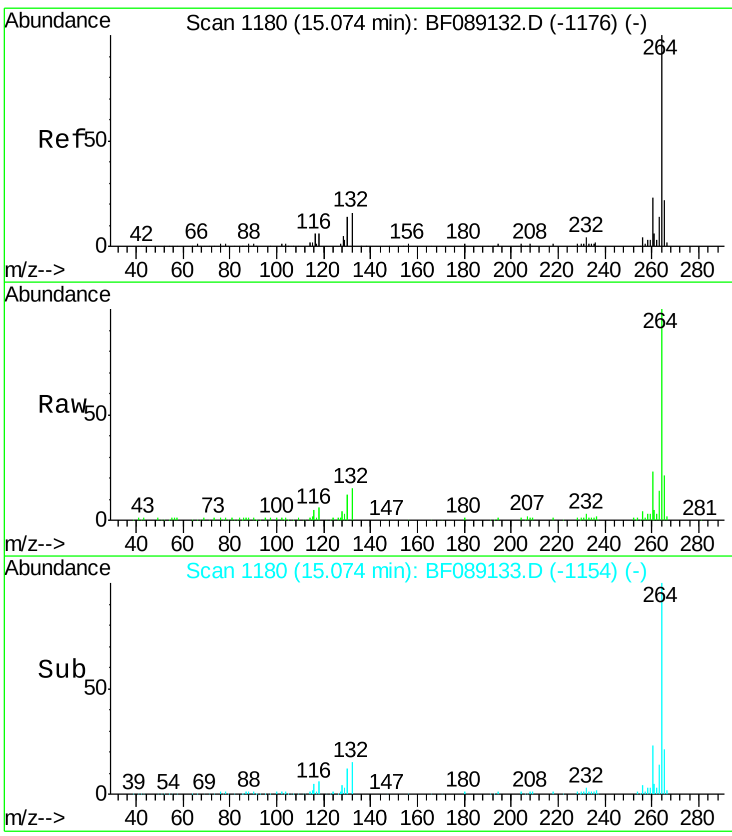
#85
Indeno(1,2,3-cd)pyrene
Concen: 46.89 ng
RT: 16.31 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 294178

Ion	Ratio	Lower	Upper
276	100		
138	29.7	23.7	35.5
277	25.9	20.6	31.0

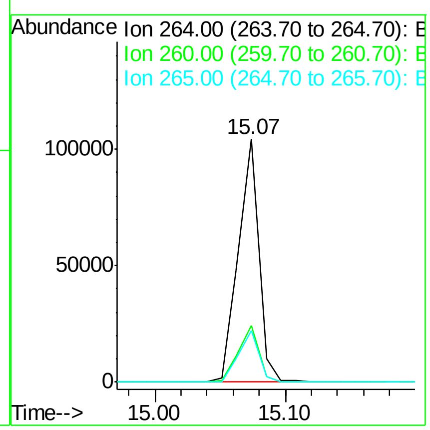


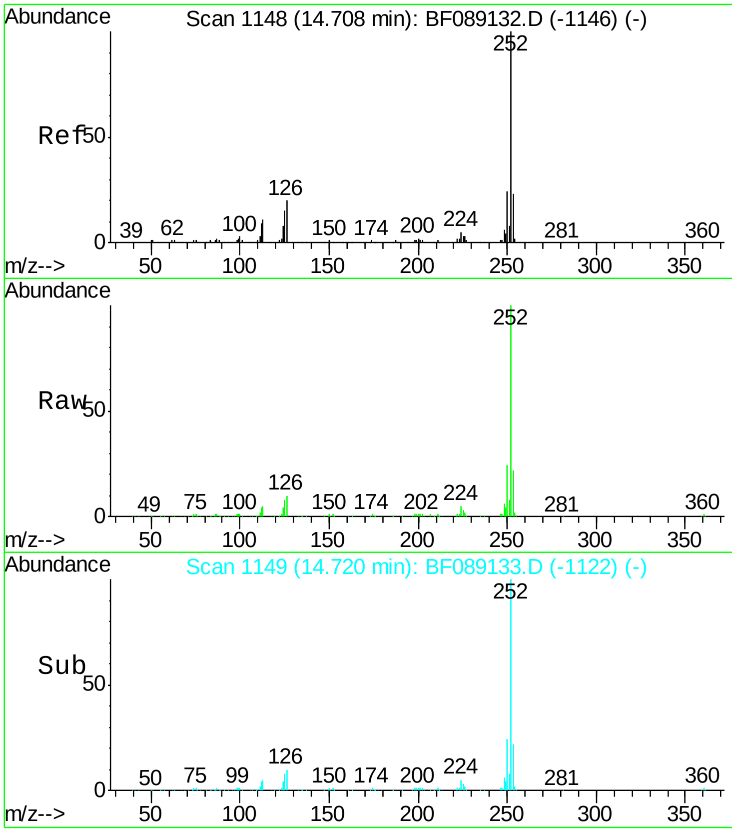


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:264 Resp: 113673

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.0	17.3	25.9



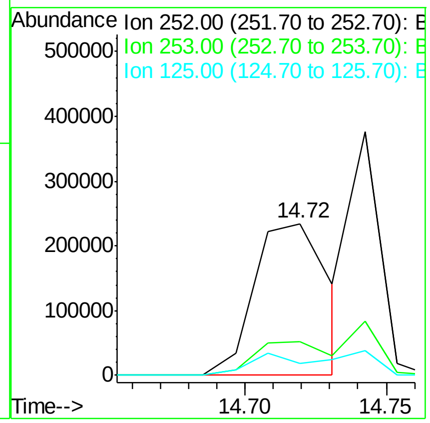


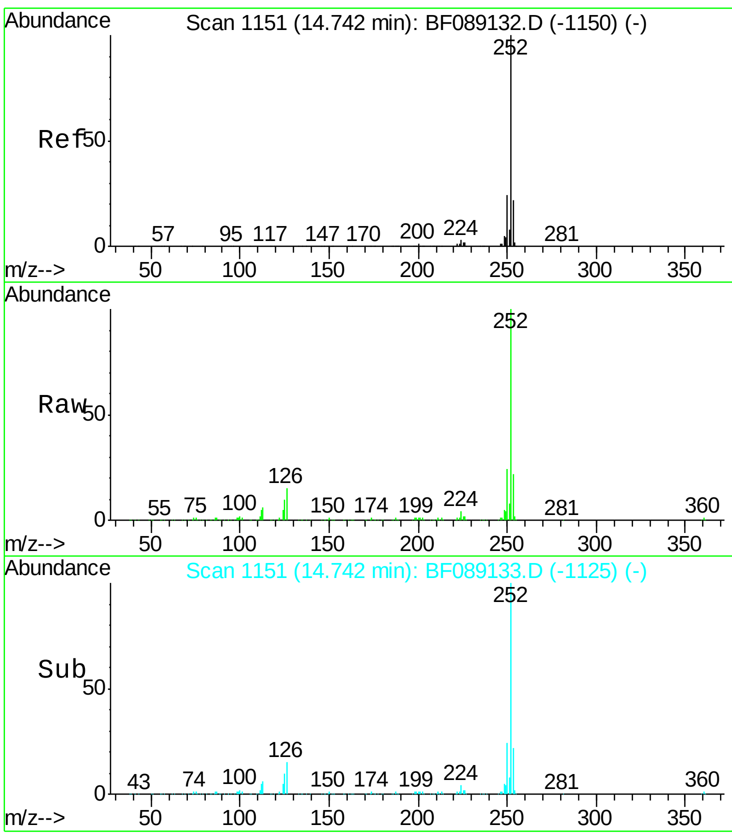
#87
Benzo(b)fluoranthene
Concen: 57.83 ng m
RT: 14.72 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 433190

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	7.9	11.9	17.9#

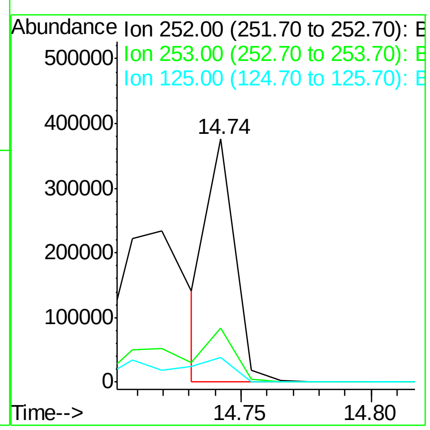


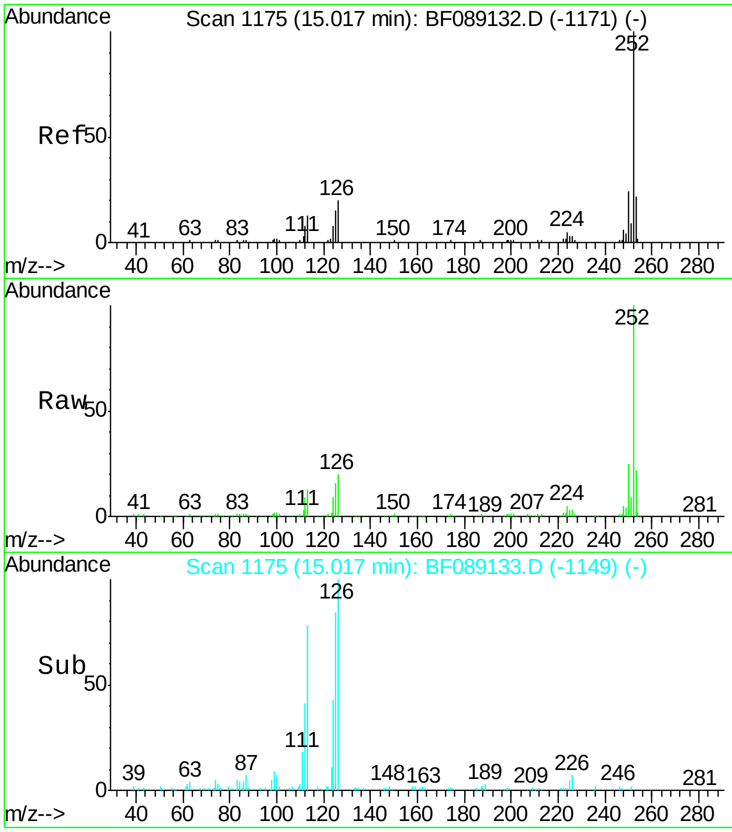


#88
Benzo(k)fluoranthene
Concen: 45.89 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:252 Resp: 274146

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	10.4	6.3	9.5#



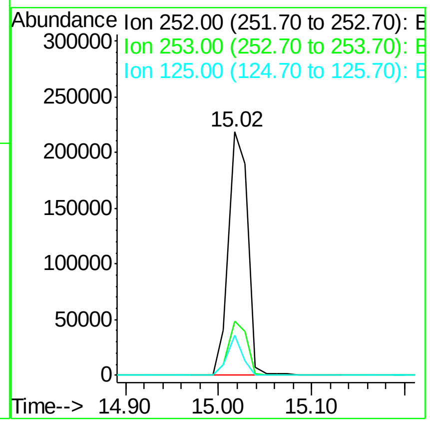


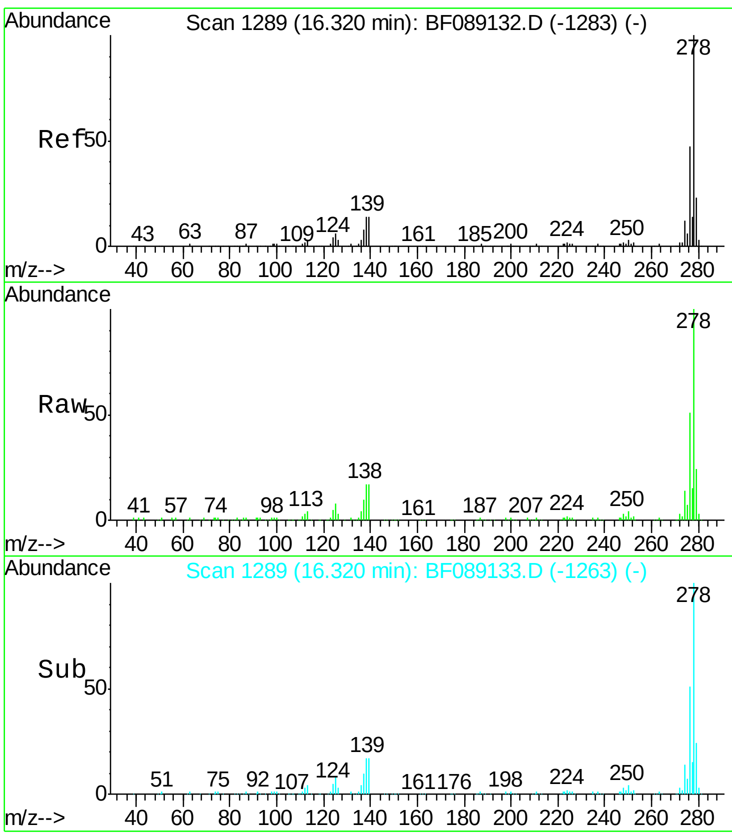
#89
Benzo(a)pyrene
Concen: 52.47 ng
RT: 15.02 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument : BNA_F
ClientSampleId : SSTDICC050

Tgt Ion:252 Resp: 317356

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	16.3	12.4	18.6

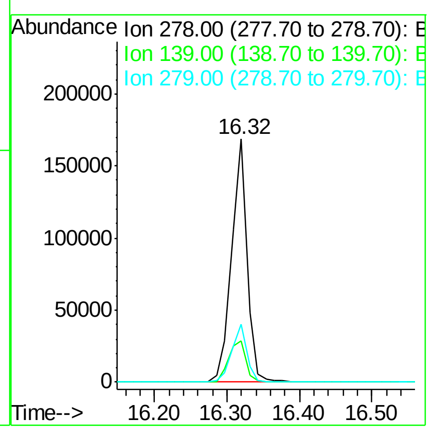


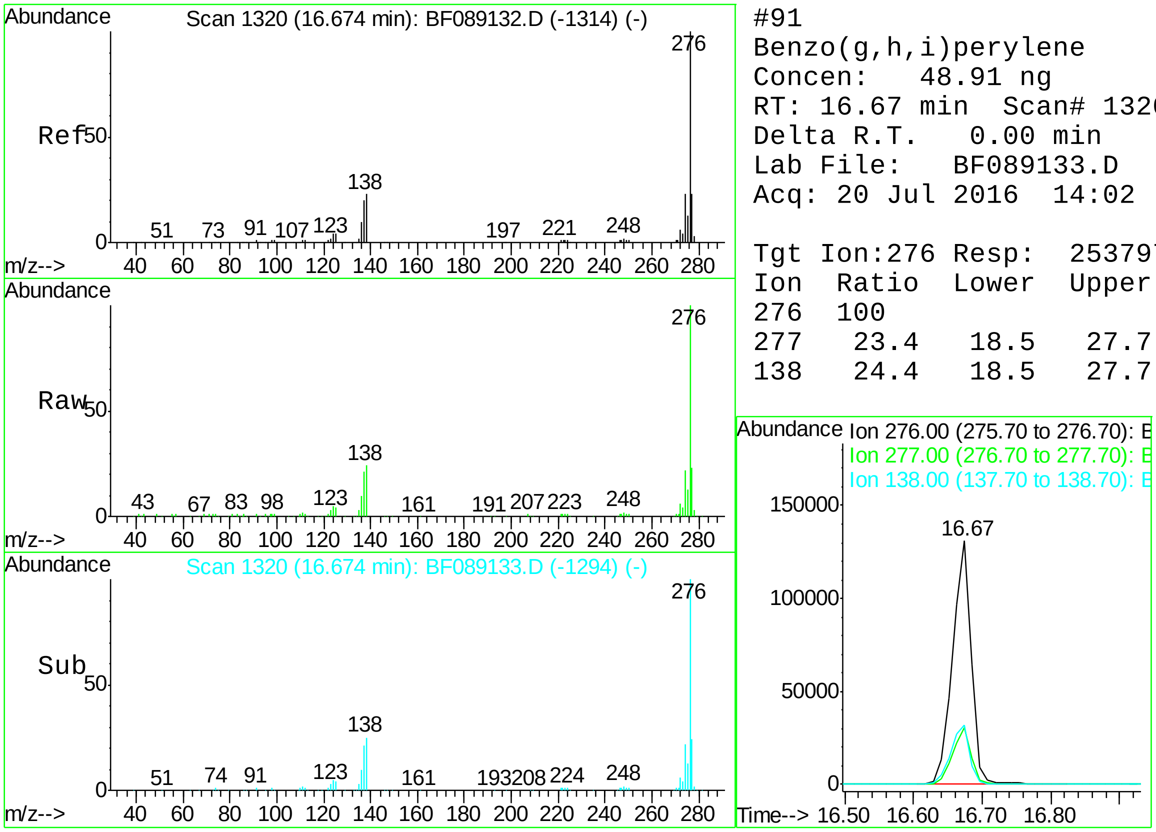


#90
Dibenzo(a,h)anthracene
Concen: 50.42 ng
RT: 16.32 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Tgt Ion:278 Resp: 254023

Ion	Ratio	Lower	Upper
278	100		
139	16.9	11.4	17.2
279	24.0	18.4	27.6





#91
Benzo(g,h,i)perylene
Concen: 48.91 ng
RT: 16.67 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF089133.D
Acq: 20 Jul 2016 14:02

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 253797

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.5	27.7
138	24.4	18.5	27.7