Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081916\
Data File : BF089809.D
Acq On : 19 Aug 2016 21:20
Operator : UM/SJ
Sample : H4367-20MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : I-3MSD

Quant Time: Aug 22 01:20:38 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	589899	20.00	ng		0.00
21) Naphthalene-d8	7.98	136	2260691	20.00	ng		0.00
38) Acenaphthene-d10	9.72	164	955189	20.00	ng		0.01
63) Phenanthrene-d10	11.20	188	1458268	20.00	ng		0.01
75) Chrysene-d12	13.85	240	747282	20.00	ng		-0.02
86) Perylene-d12	15.30	264	908612	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.27	112	3129856	90.99	ng		0.01
7) Phenol-d6	6.33	99	4238916	100.39	ng		0.01
23) Nitrobenzene-d5	7.26	82	2641390	72.59	ng		0.00
41) 2,4,6-Tribromophenol	10.50	330	924215	101.81	ng		0.00
44) 2-Fluorobiphenyl	9.05	172	4091593	75.29	ng		0.00
78) Terphenyl-d14	12.79	244	2555392	77.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.18	88	272403	16.00	ng		96
3) Pyridine	2.83	79	775791	17.38	ng		93
4) n-Nitrosodimethylamine	2.78	42	421829	25.38	ng	#	77
6) Aniline	6.39	93	1160396	20.49	ng		96
8) 2-Chlorophenol	6.47	128	1397963	33.98	ng		89
9) Benzaldehyde	6.22	77	371444	13.50	ng		98
10) Phenol	6.34	94	1921778	38.83	ng		84
11) bis(2-Chloroethyl)ether	6.43	93	1370611	35.72	ng		90
12) 1,3-Dichlorobenzene	6.86	146	1314705	30.57	ng		97
13) 1,4-Dichlorobenzene	6.63	146	1344911	30.42	ng		95
14) 1,2-Dichlorobenzene	6.86	146	1316301	31.90	ng		96
15) Benzyl Alcohol	6.83	79	1081784	38.63	ng		95
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1702970	34.67	ng		90
17) 2-Methylphenol	6.95	107	1181765	36.68	ng		98
18) Hexachloroethane	7.20	117	474142	30.07	ng	#	87
19) n-Nitroso-di-n-propylamine	7.12	70	1070400	39.64	ng	#	82
20) 3+4-Methylphenols	7.11	107	1368329	34.64	ng	#	69
22) Acetophenone	7.10	105	1762264	33.95	ng	#	90
24) Nitrobenzene	7.27	77	1365559	33.45	ng		96
25) Isophorone	7.52	82	2841697	38.72	ng	#	90
26) 2-Nitrophenol	7.59	139	691586	33.95	ng	#	83
27) 2,4-Dimethylphenol	7.63	122	1228919	33.47	ng		95
28) bis(2-Chloroethoxy)methane	7.74	93	1962886	43.23	ng		96
29) 2,4-Dichlorophenol	7.83	162	1137510	36.93	ng		90
30) 1,2,4-Trichlorobenzene	7.92	180	1260603	37.00	ng		96
31) Naphthalene	8.00	128	3993108	37.79	ng		100
32) Benzoic acid	7.77	122	51302	1.79	ng		91
33) 4-Chloroaniline	8.04	127	853874	18.64	ng	#	91
34) Hexachlorobutadiene	8.12	225	628963	35.25	ng		96
35) Caprolactam	8.41	113	364311	38.84	ng		87
36) 4-Chloro-3-methylphenol	8.54	107	1371635	41.11	ng		99
37) 2-Methylnaphthalene	8.68	142	2684125	39.27	ng		98
39) 1,2,4,5-Tetrachlorobenzene	8.86	216	969408	31.34	ng	#	96
40) Hexachlorocyclopentadiene	8.84	237	412096	38.37	ng		97

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081916\
Data File : BF089809.D
Acq On : 19 Aug 2016 21:20
Operator : UM/SJ
Sample : H4367-20MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : I-3MSD

Quant Time: Aug 22 01:20:38 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)
42) 2,4,6-Trichlorophenol	8.96	196	781585	40.16	ng		99
43) 2,4,5-Trichlorophenol	9.00	196	825823	42.67	ng		97
45) 1,1'-Biphenyl	9.15	154	2914798	39.43	ng		95
46) 2-Chloronaphthalene	9.16	162	2303338	39.42	ng		99
47) 2-Nitroaniline	9.27	65	868839	52.13	ng	#	79
48) Acenaphthylene	9.58	152	3618196	41.21	ng		99
49) Dimethylphthalate	9.46	163	4583510	68.15	ng	#	97
50) 2,6-Dinitrotoluene	9.51	165	620621	39.97	ng	#	83
51) Acenaphthene	9.76	154	2421971	41.68	ng		100
52) 3-Nitroaniline	9.67	138	553771	32.19	ng		95
53) 2,4-Dinitrophenol	9.77	184	77650	14.66	ng		93
54) Dibenzofuran	9.93	168	3318846	45.47	ng	#	87
55) 4-Nitrophenol	9.84	139	935753	66.64	ng		93
56) 2,4-Dinitrotoluene	9.91	165	812814	40.34	ng	#	75
57) Fluorene	10.26	166	2247690	38.64	ng		99
58) 2,3,4,6-Tetrachlorophenol	10.04	232	599046	42.53	ng		95
59) Diethylphthalate	10.16	149	2932309	42.92	ng		96
60) 4-Chlorophenyl-phenylether	10.26	204	1015214	38.26	ng		94
61) 4-Nitroaniline	10.28	138	702820	43.58	ng		97
62) Azobenzene	10.42	77	2802593	43.63	ng		96
64) 4,6-Dinitro-2-methylphenol	10.31	198	82421	9.84	ng		91
65) n-Nitrosodiphenylamine	10.39	169	2402941	52.41	ng		99
66) 4-Bromophenyl-phenylether	10.75	248	712090	46.57	ng	#	90
67) Hexachlorobenzene	10.81	284	724271	41.53	ng	#	89
68) Atrazine	10.91	200	595228	42.39	ng		96
69) Pentachlorophenol	11.00	266	734005	74.25	ng		98
70) Phenanthrene	11.22	178	3490026	47.39	ng		97
71) Anthracene	11.27	178	3002156	40.10	ng		99
72) Carbazole	11.43	167	3116680	46.41	ng		97
73) Di-n-butylphthalate	11.78	149	3736591	44.47	ng	#	99
74) Fluoranthene	12.40	202	2530966	36.13	ng		95
76) Benzidine	12.53	184	672674	27.82	ng		99
77) Pyrene	12.63	202	2511003	41.26	ng		97
79) Butylbenzylphthalate	13.27	149	1075283	39.13	ng	#	82
80) Benzo(a)anthracene	13.84	228	1878801	43.90	ng		99
81) 3,3'-Dichlorobenzidine	13.81	252	554082	39.49	ng		97
82) Chrysene	13.87	228	1684850	45.92	ng		99
83) Bis(2-ethylhexyl)phthalate	13.86	149	1436965	37.95	ng		96
84) Di-n-octyl phthalate	14.51	149	2265428	45.03	ng		98
85) Indeno(1,2,3-cd)pyrene	16.61	276	2921977	62.42	ng		100
87) Benzo(b)fluoranthene	14.95	252	3758673	75.20	ng	#	95
88) Benzo(k)fluoranthene	14.95	252	3758673	82.88	ng	#	94
89) Benzo(a)pyrene	15.25	252	2007503	42.43	ng	#	92
90) Dibenzo(a,h)anthracene	16.63	278	2406493	46.86	ng		99
91) Benzo(g,h,i)perylene	16.99	276	2530216	46.79	ng		98

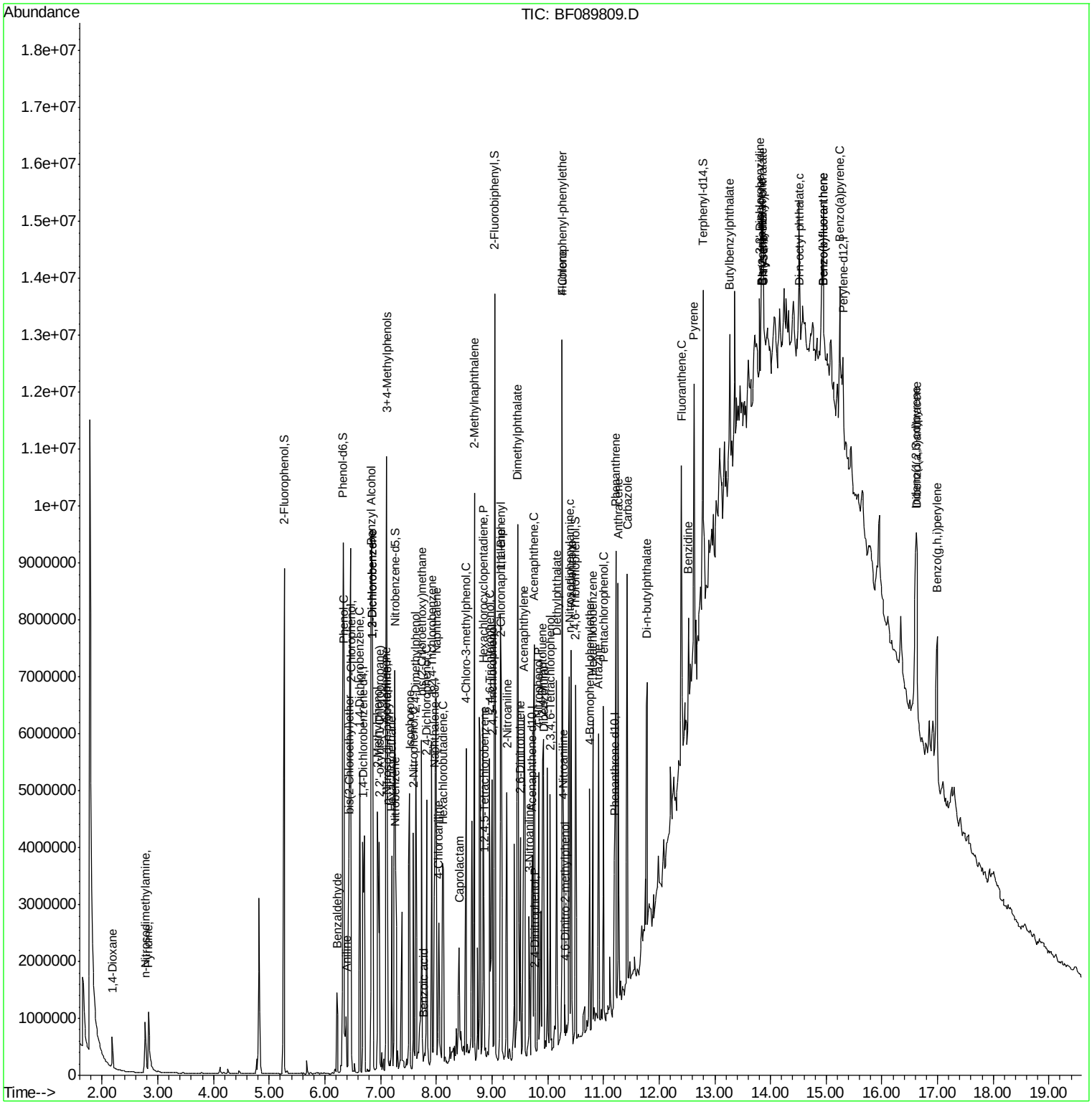
(#) = qualifier out of range (m) = manual integration (+) = signals summed

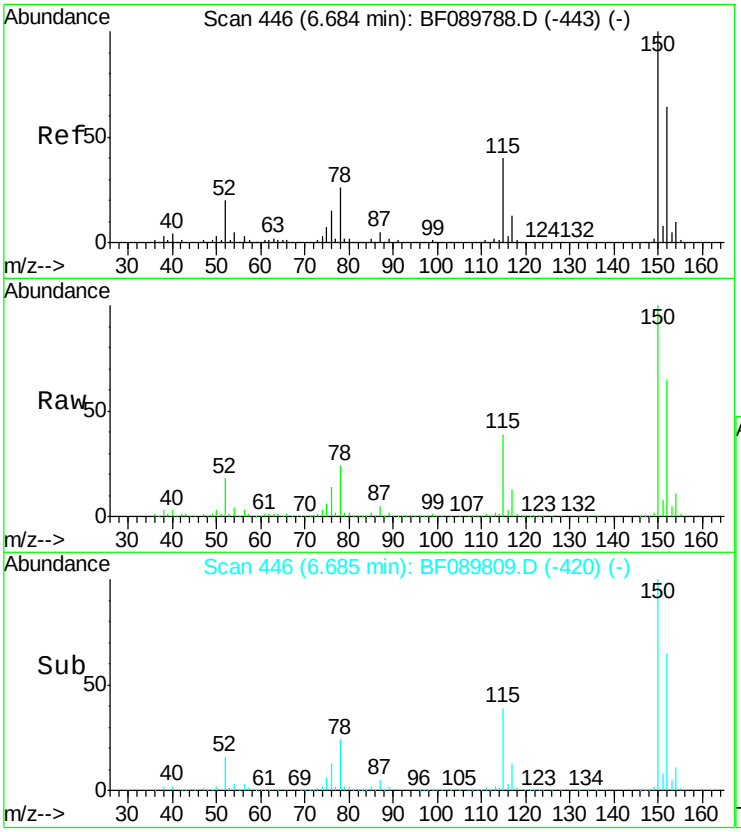
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081916\
Data File : BF089809.D
Acq On : 19 Aug 2016 21:20
Operator : UM/SJ
Sample : H4367-20MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Quant Time: Aug 22 01:20:38 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



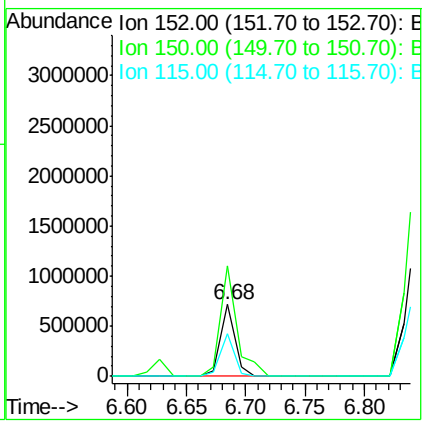


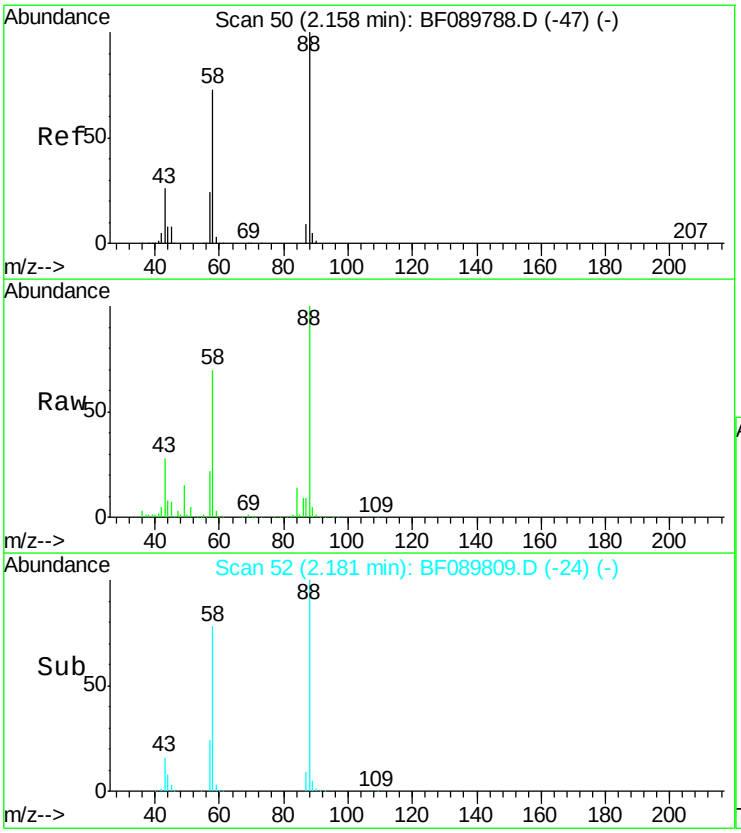
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:152 Resp: 589899

Ion	Ratio	Lower	Upper
152	100		
150	154.4	125.3	187.9
115	60.3	40.9	61.3

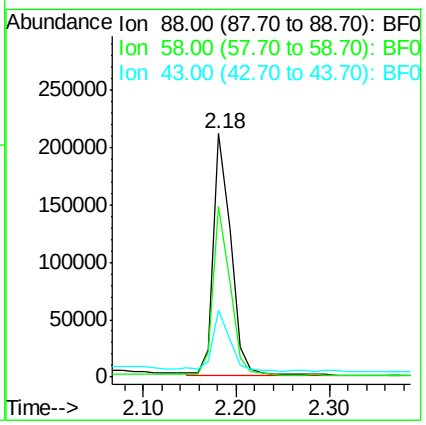


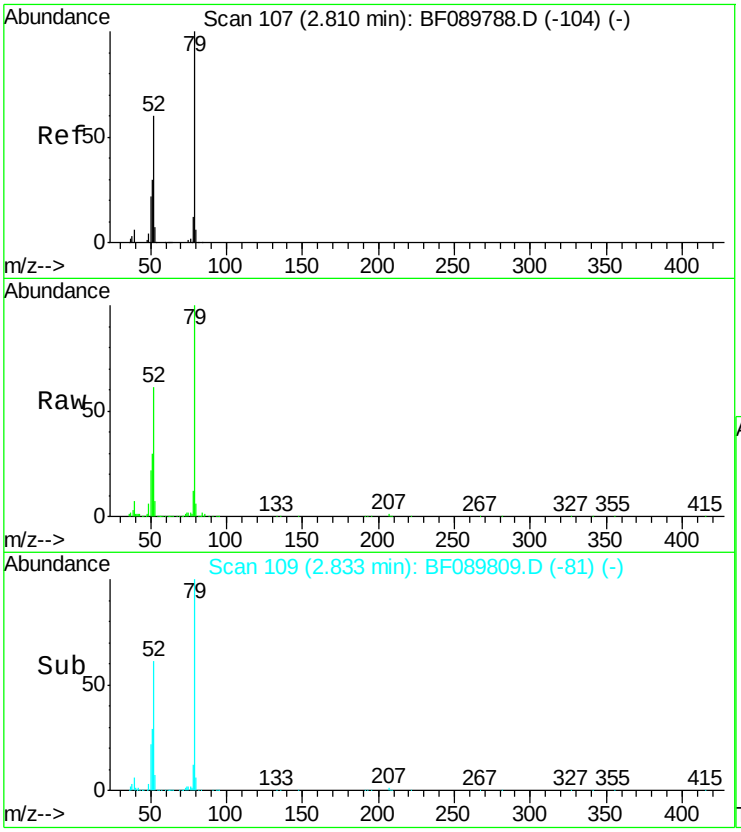


#2
1,4-Dioxane
Concen: 16.00 ng
RT: 2.18 min Scan# 52
Delta R.T. 0.02 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 88 Resp: 272403

Ion	Ratio	Lower	Upper
88	100		
58	67.9	57.0	85.4
43	25.9	21.8	32.8



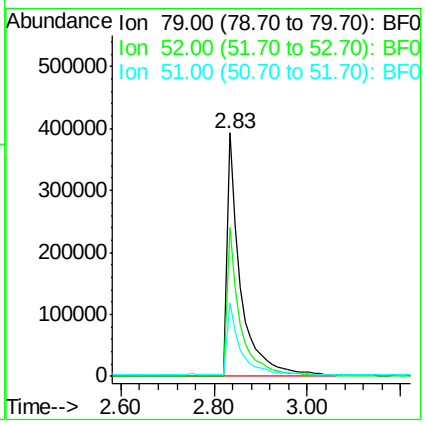


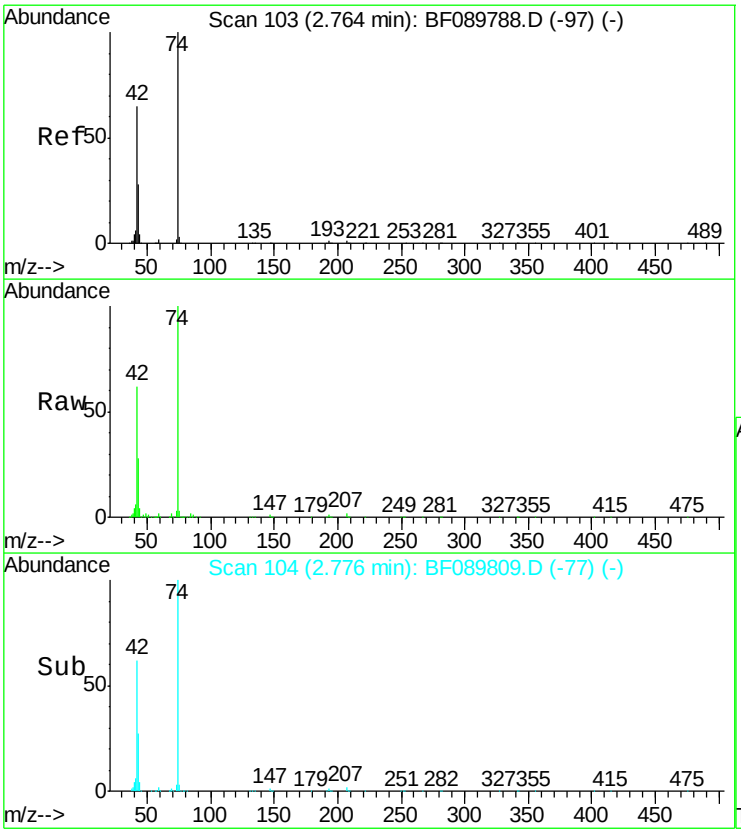
#3
Pyridine
Concen: 17.38 ng
RT: 2.83 min Scan# 109
Delta R.T. 0.02 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 79 Resp: 775791

Ion	Ratio	Lower	Upper
79	100		
52	61.3	53.6	80.4
51	30.1	26.6	39.8

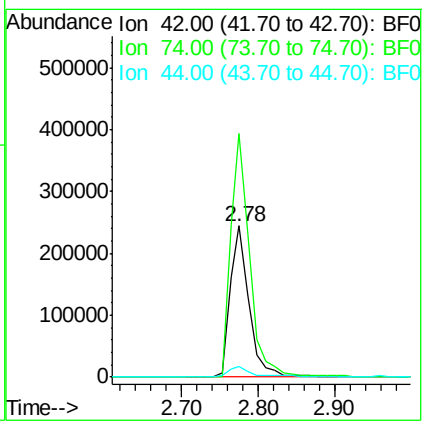


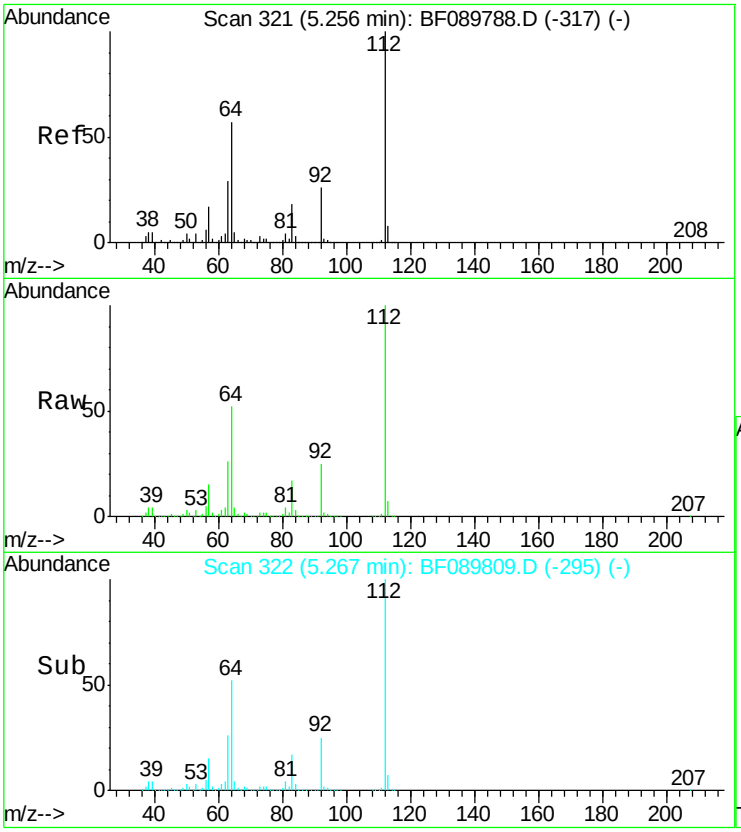


#4
n-Nitrosodimethylamine
Concen: 25.38 ng
RT: 2.78 min Scan# 104
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 42 Resp: 421829

Ion	Ratio	Lower	Upper
42	100		
74	161.4	106.2	159.2#
44	7.0	6.9	10.3



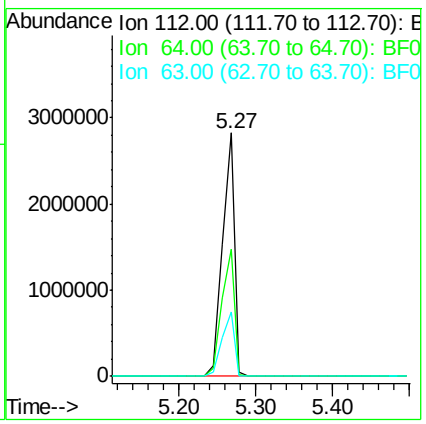


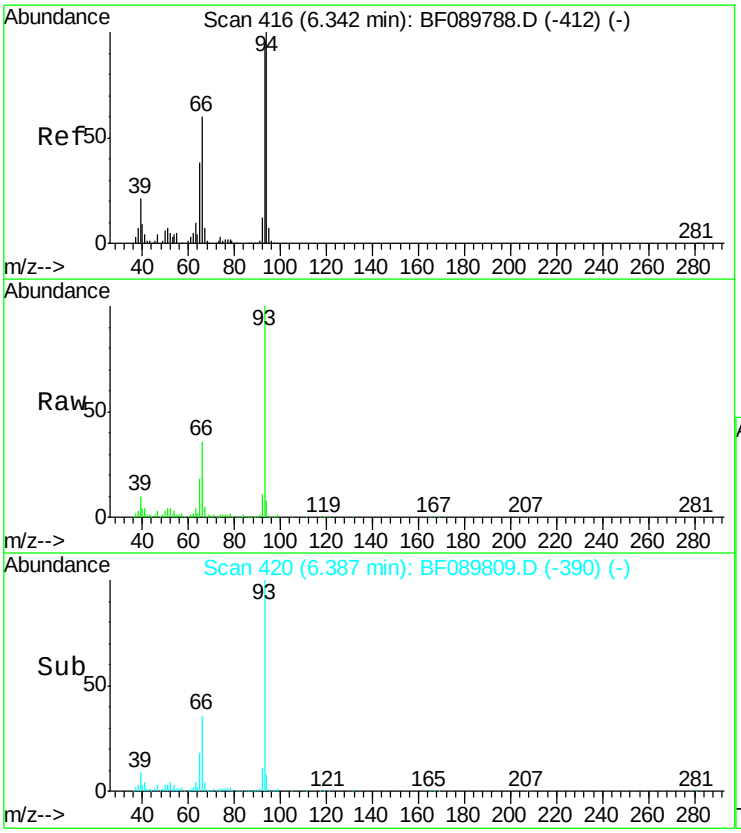
#5
2-Fluorophenol
Concen: 90.99 ng
RT: 5.27 min Scan# 322
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:112 Resp: 3129856

Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.0	67.4
63	26.3	23.1	34.7

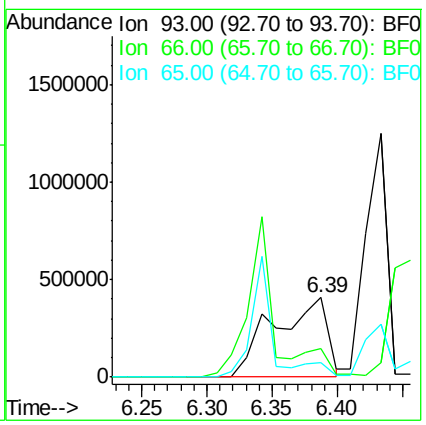


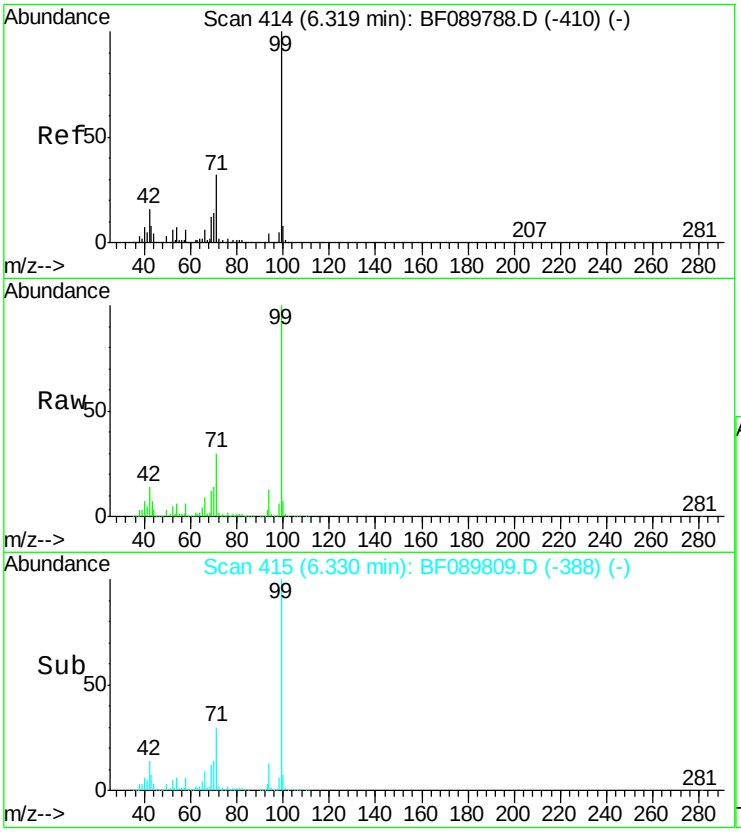


#6
Aniline
Concen: 20.49 ng
RT: 6.39 min Scan# 420
Delta R.T. 0.05 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 93 Resp: 1160396

Ion	Ratio	Lower	Upper
93	100		
66	35.7	30.6	46.0
65	17.9	15.4	23.2



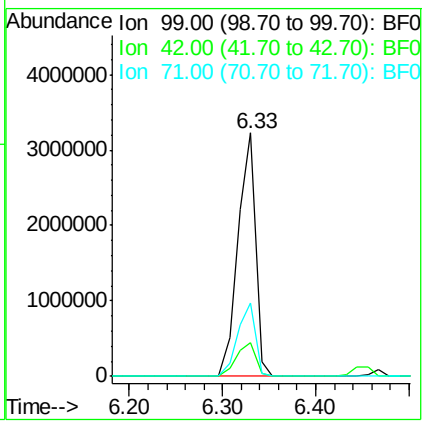


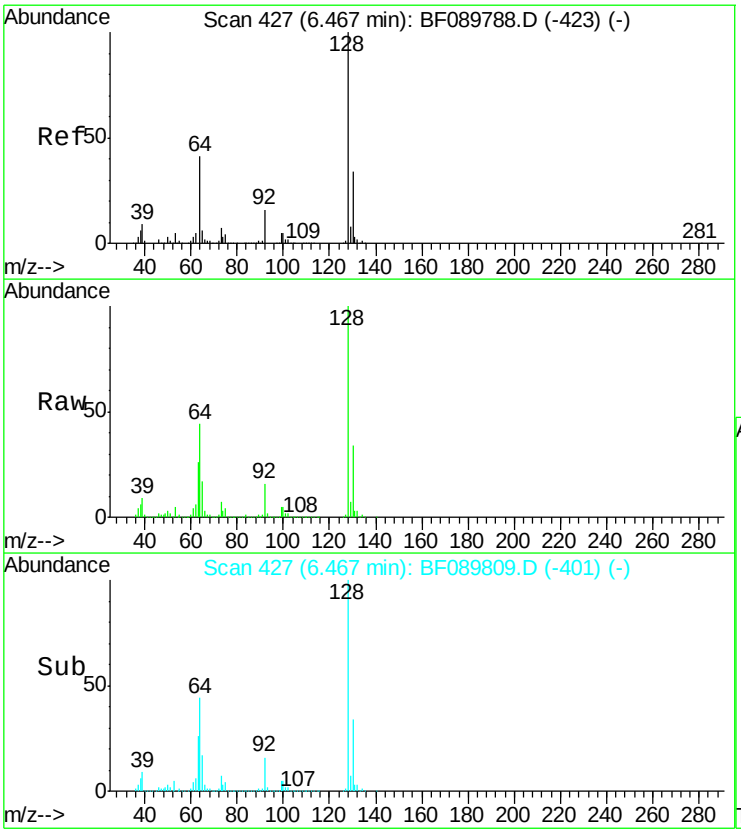
#7
Phenol-d6
Concen: 100.39 ng
RT: 6.33 min Scan# 415
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 99 Resp: 4238916

Ion	Ratio	Lower	Upper
99	100		
42	14.0	12.2	18.4
71	30.4	23.8	35.8

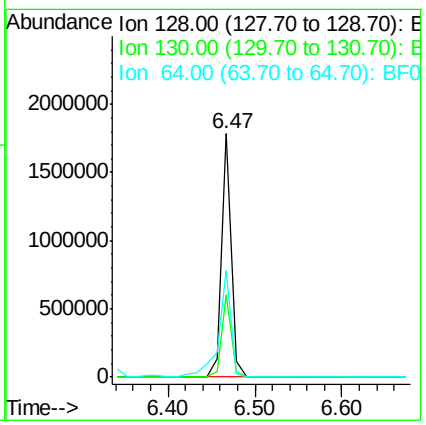


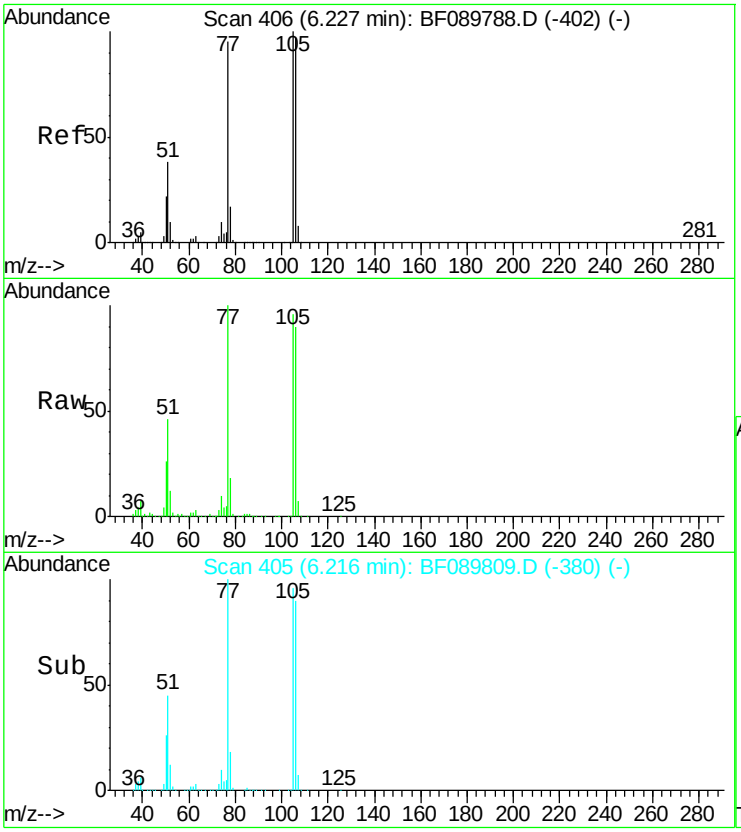


#8
2-Chlorophenol
Concen: 33.98 ng
RT: 6.47 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:128 Resp: 1397963

Ion	Ratio	Lower	Upper
128	100		
130	33.7	12.0	52.0
64	43.8	35.1	75.1



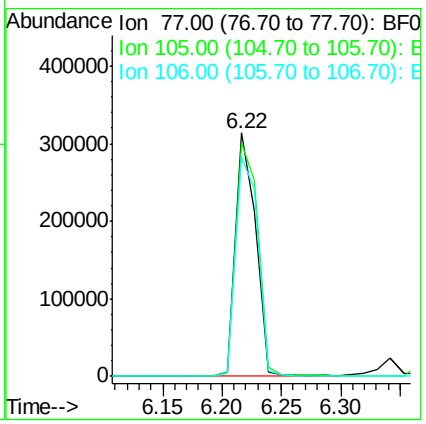


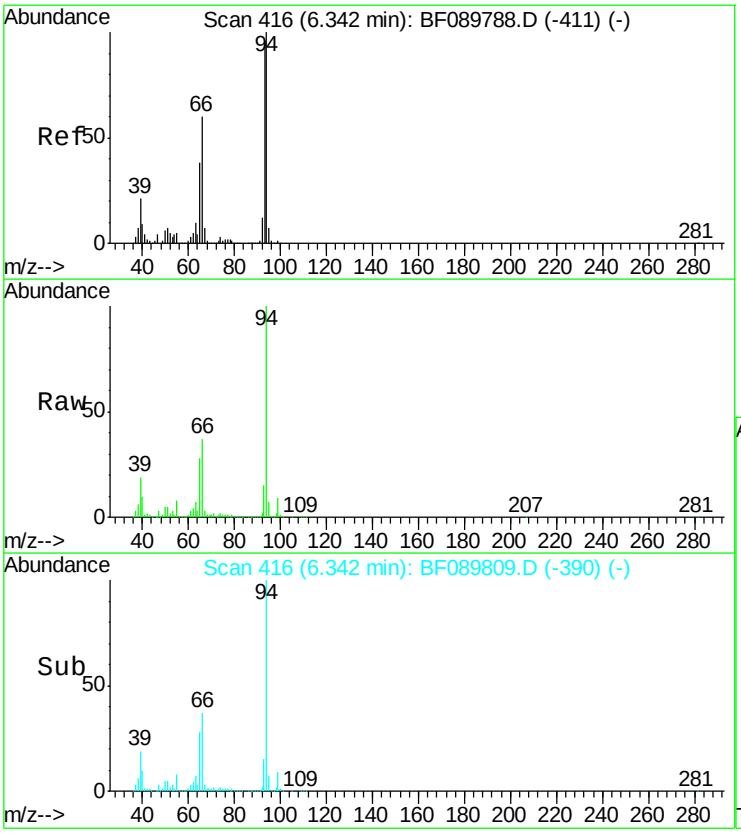
#9
Benzaldehyde
Concen: 13.50 ng
RT: 6.22 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 77 Resp: 371444

Ion	Ratio	Lower	Upper
77	100		
105	95.7	73.3	113.3
106	90.1	68.6	108.6

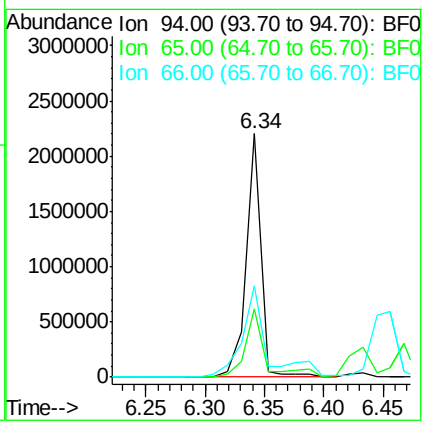


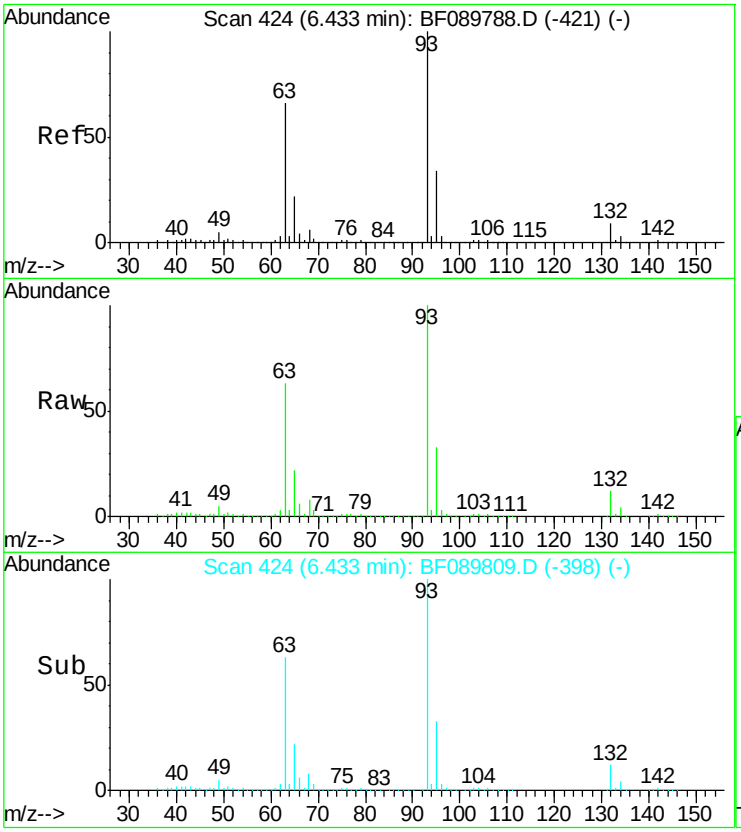


#10
Phenol
Concen: 38.83 ng
RT: 6.34 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 94 Resp: 1921778

Ion	Ratio	Lower	Upper
94	100		
65	28.2	14.0	54.0
66	37.4	31.2	71.2



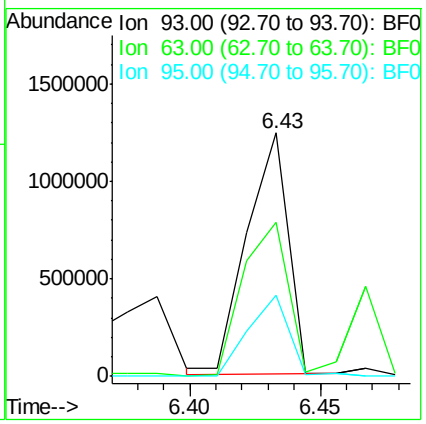


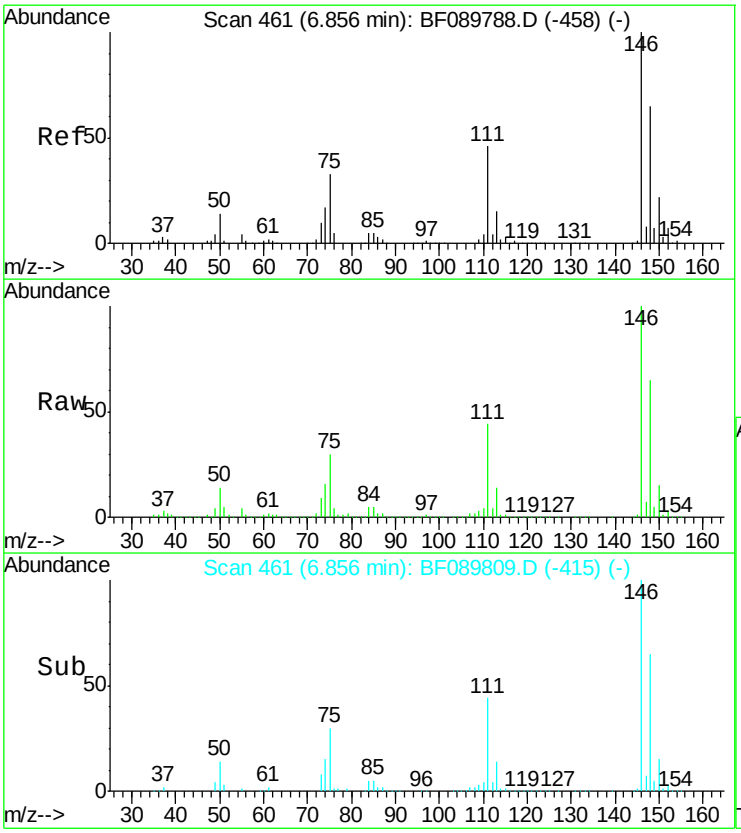
#11
bis(2-Chloroethyl)ether
Concen: 35.72 ng
RT: 6.43 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 93 Resp: 1370611

Ion	Ratio	Lower	Upper
93	100		
63	63.5	55.8	95.8
95	33.5	13.0	53.0

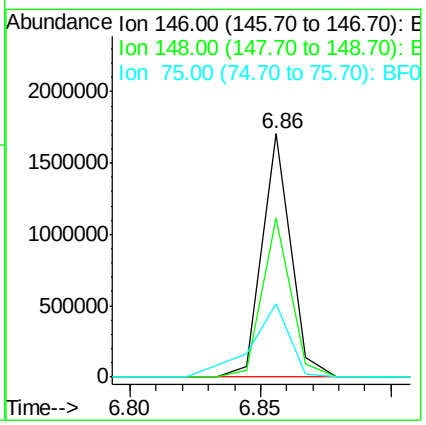


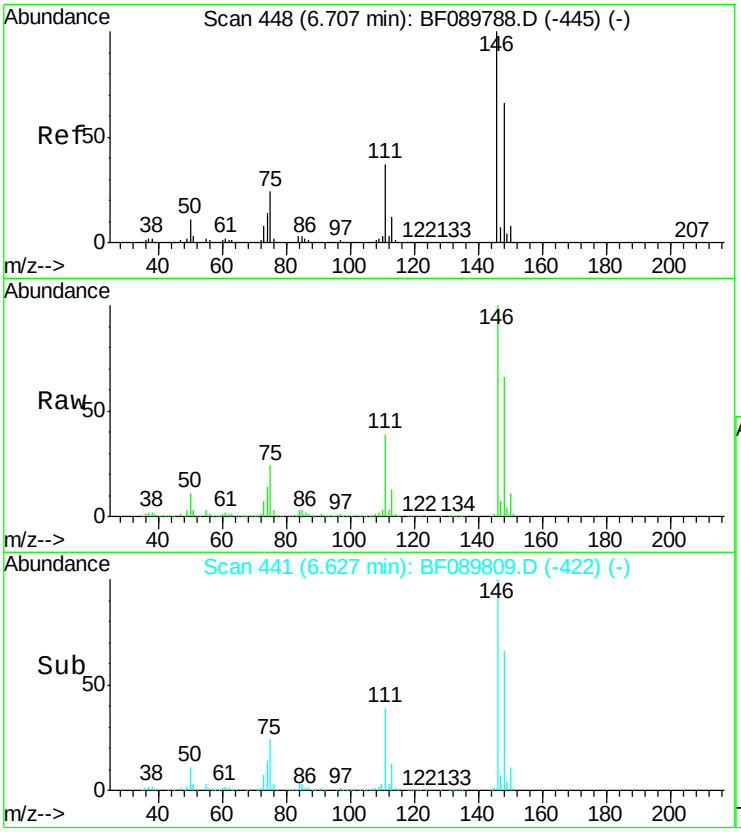


#12
1,3-Dichlorobenzene
Concen: 30.57 ng
RT: 6.86 min Scan# 461
Delta R.T. 0.23 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:146 Resp: 1314705

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.0	76.4
75	30.3	27.0	40.6



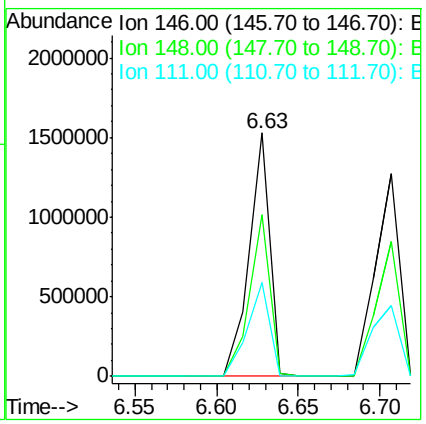


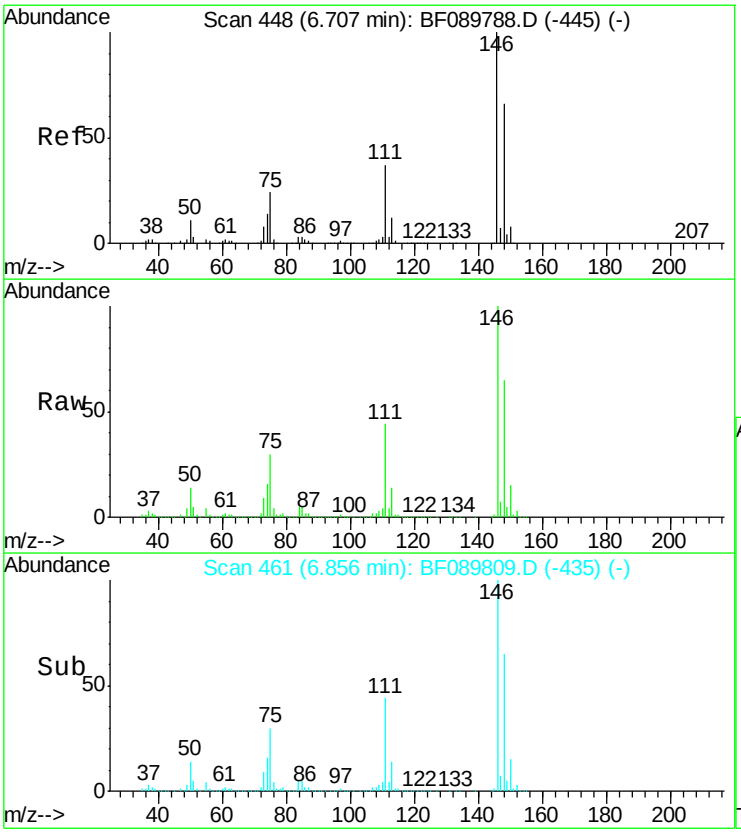
#13
1,4-Dichlorobenzene
Concen: 30.42 ng
RT: 6.63 min Scan# 441
Delta R.T. -0.08 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:146 Resp: 1344911

Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.0	76.6
111	38.6	34.6	52.0

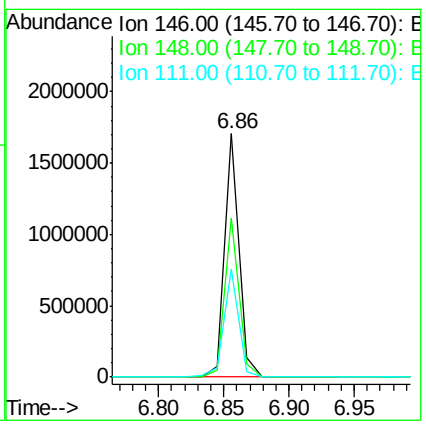


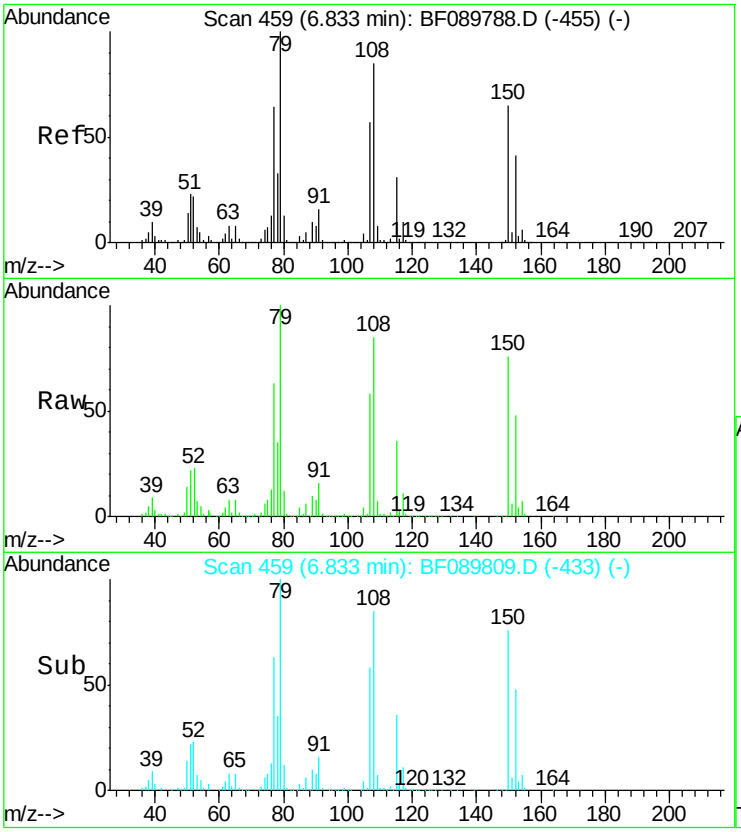


#14
1,2-Dichlorobenzene
Concen: 31.90 ng
RT: 6.86 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:146 Resp: 1316301

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	44.3	29.8	44.6



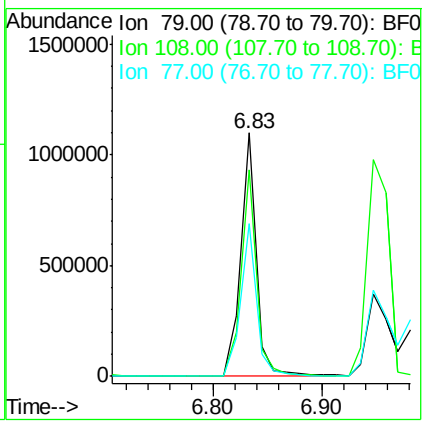


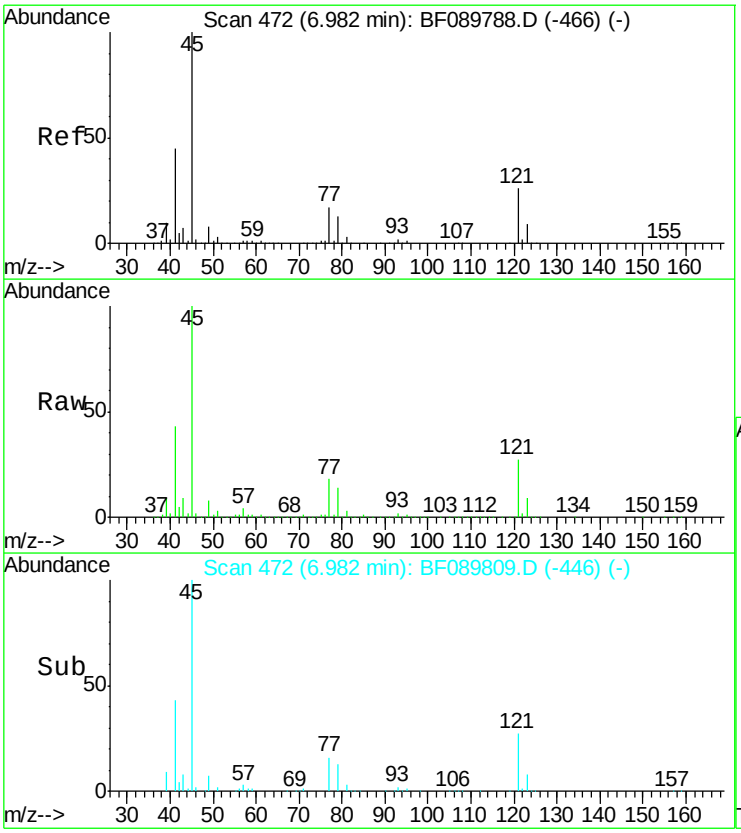
#15
Benzyl Alcohol
Concen: 38.63 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 79 Resp: 1081784

Ion	Ratio	Lower	Upper
79	100		
108	84.6	62.5	93.7
77	62.7	51.5	77.3

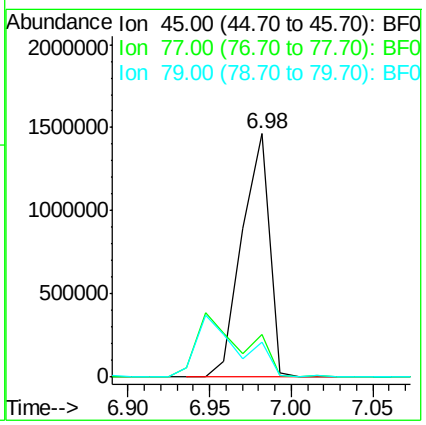


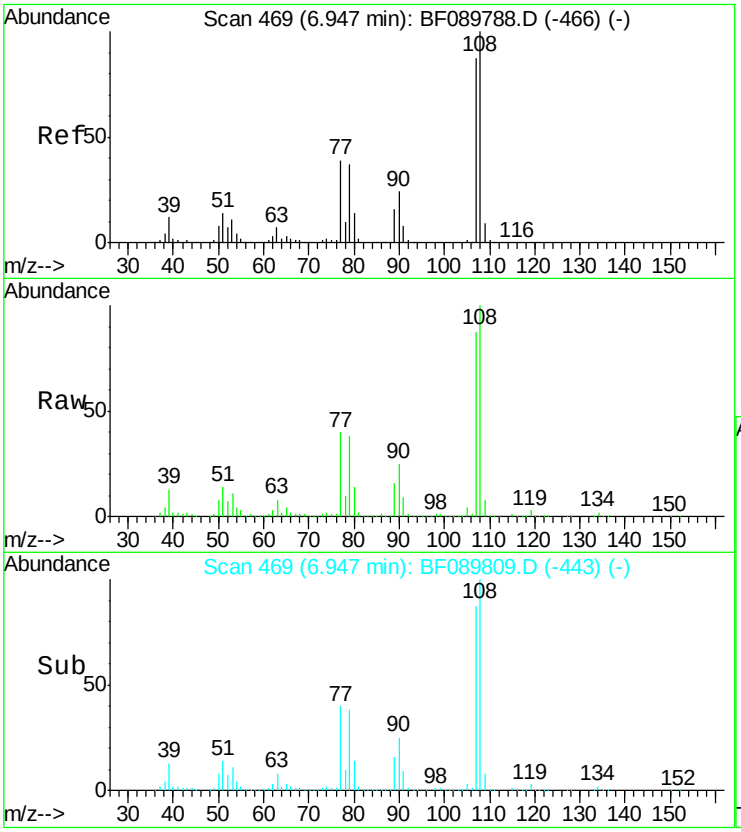


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.67 ng
RT: 6.98 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 45 Resp: 1702970

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	33.5
79	14.2	0.0	30.7



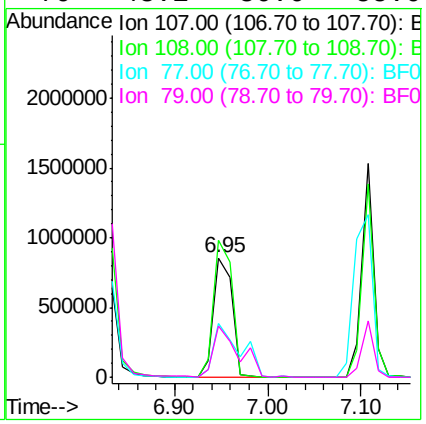


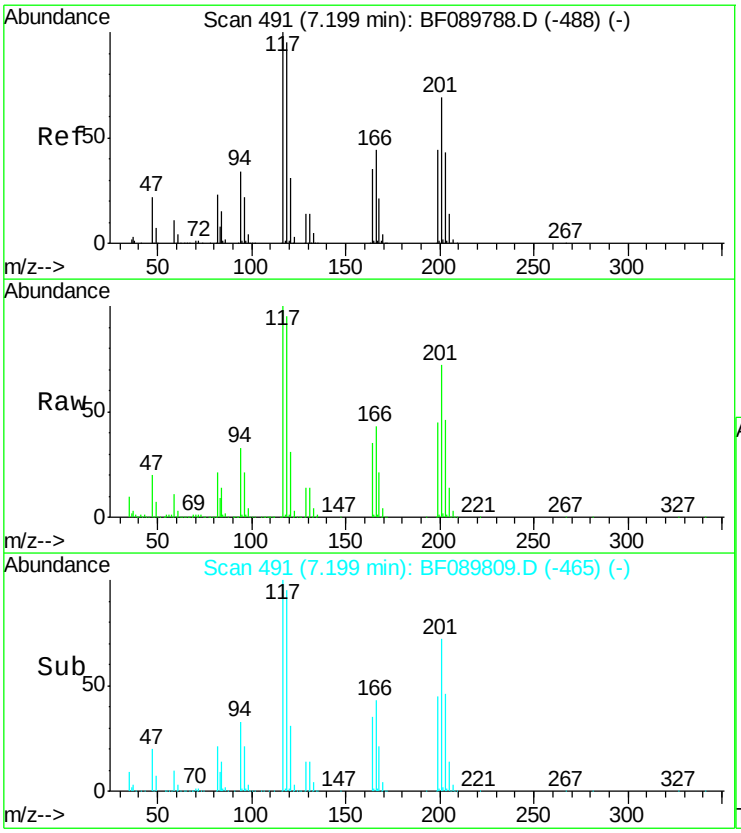
#17
2-Methylphenol
Concen: 36.68 ng
RT: 6.95 min Scan# 469
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:107 Resp: 1181765

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.4
77	45.5	37.4	56.0
79	43.1	36.6	55.0

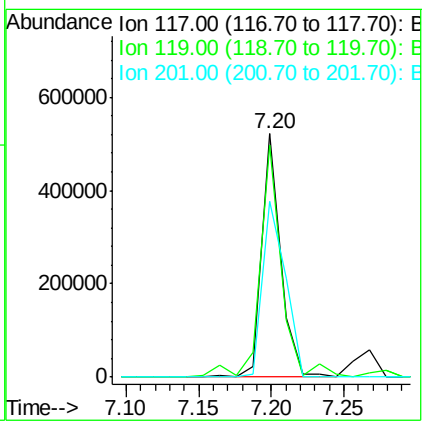


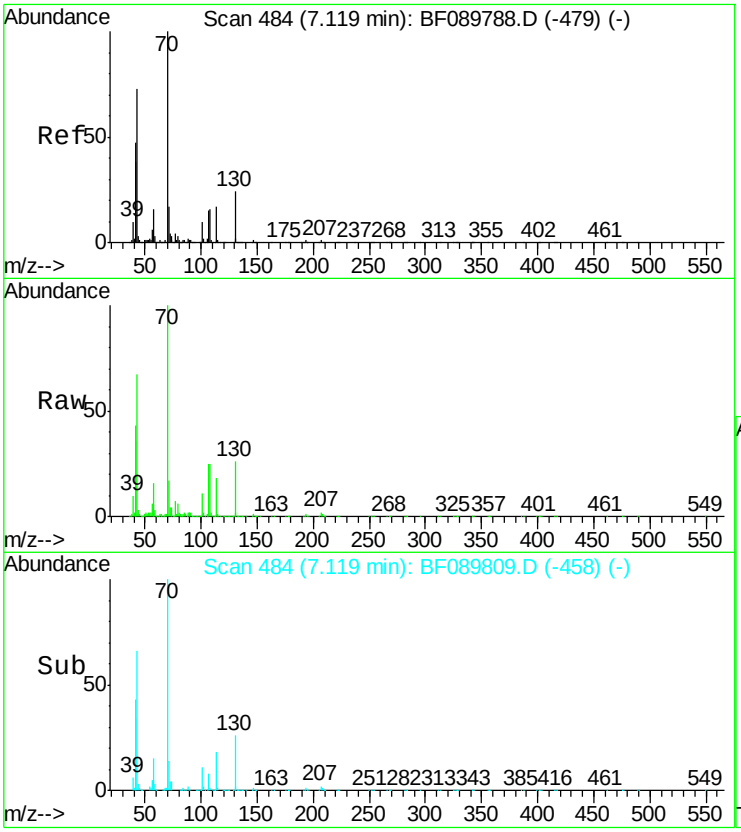


#18
Hexachloroethane
Concen: 30.07 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:117 Resp: 474142

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.1	115.7
201	72.0	76.9	115.3#



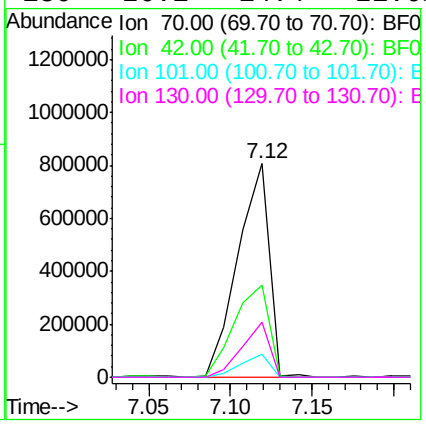


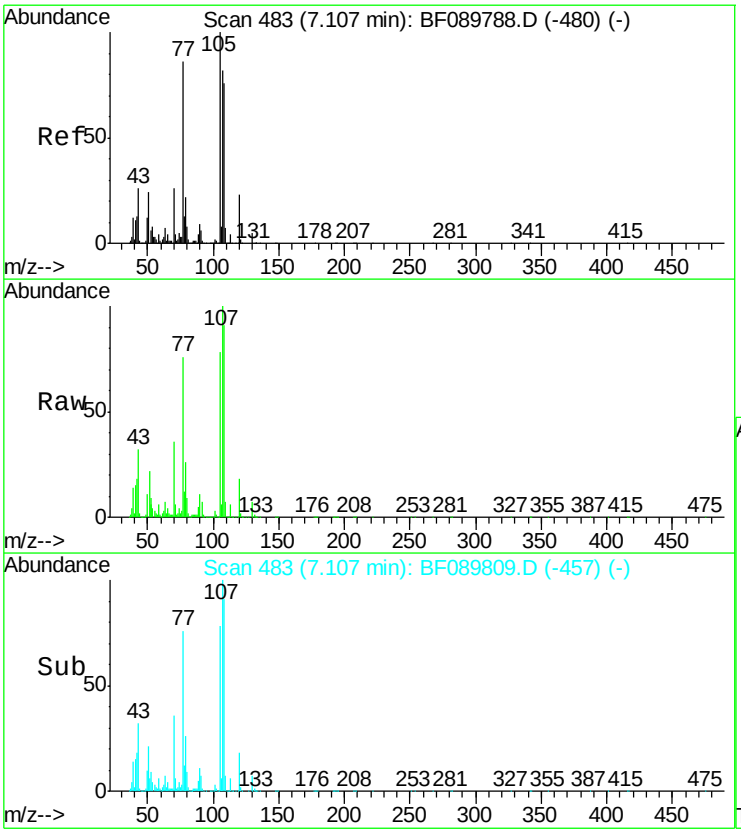
#19
n-Nitroso-di-n-propylamine
Concen: 39.64 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 70 Resp: 1070400

Ion	Ratio	Lower	Upper
70	100		
42	43.1	46.3	69.5#
101	10.7	7.0	10.6#
130	26.1	14.4	21.6#

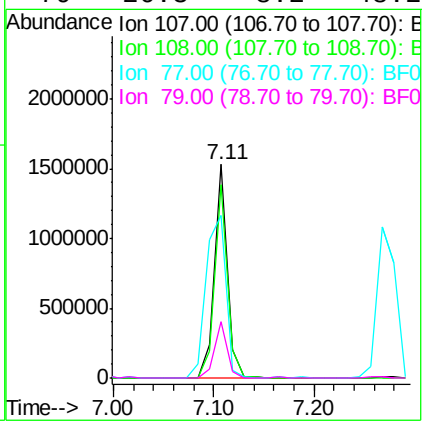


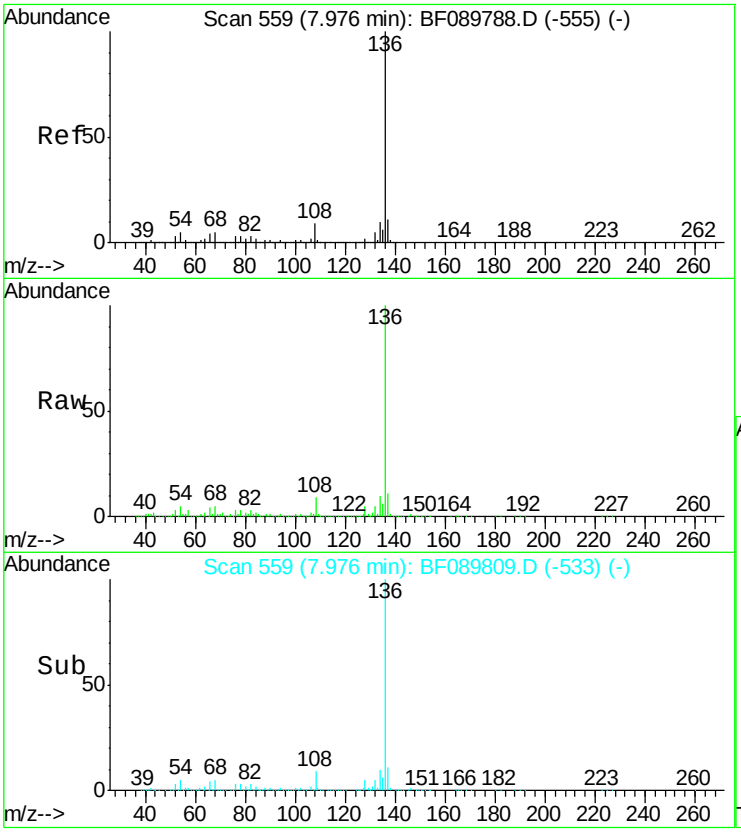


#20
3+4-Methylphenols
Concen: 34.64 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:107 Resp: 1368329

Ion	Ratio	Lower	Upper
107	100		
108	90.7	68.2	108.2
77	76.0	122.3	162.3#
79	26.3	8.2	48.2



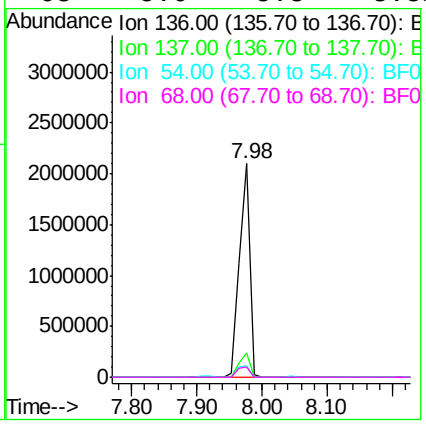


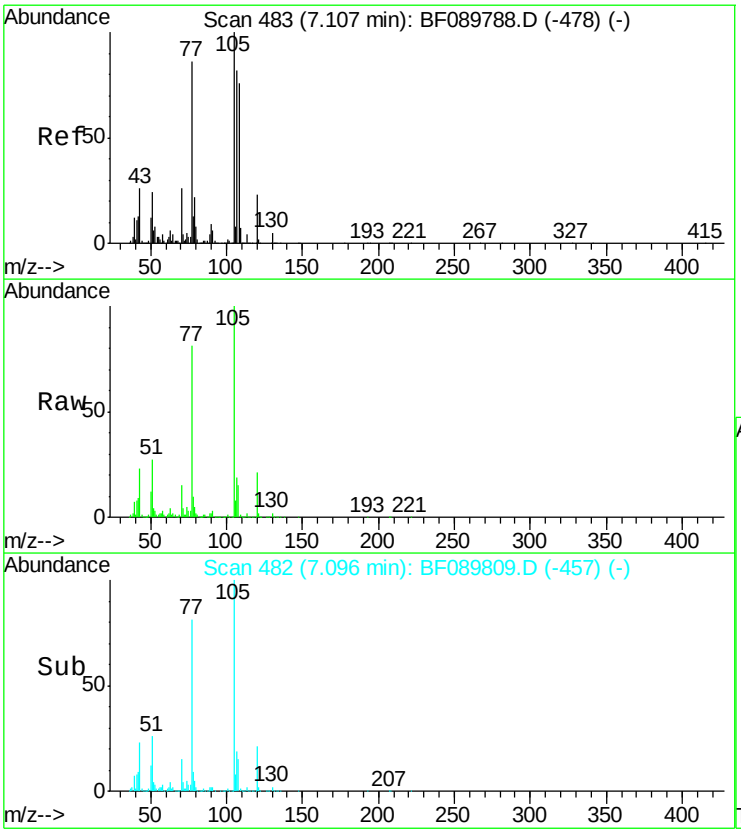
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:136 Resp: 2260691

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	5.1	7.2	10.8#
68	5.0	5.8	8.8#

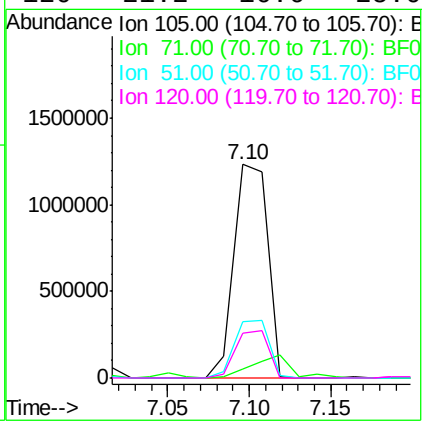


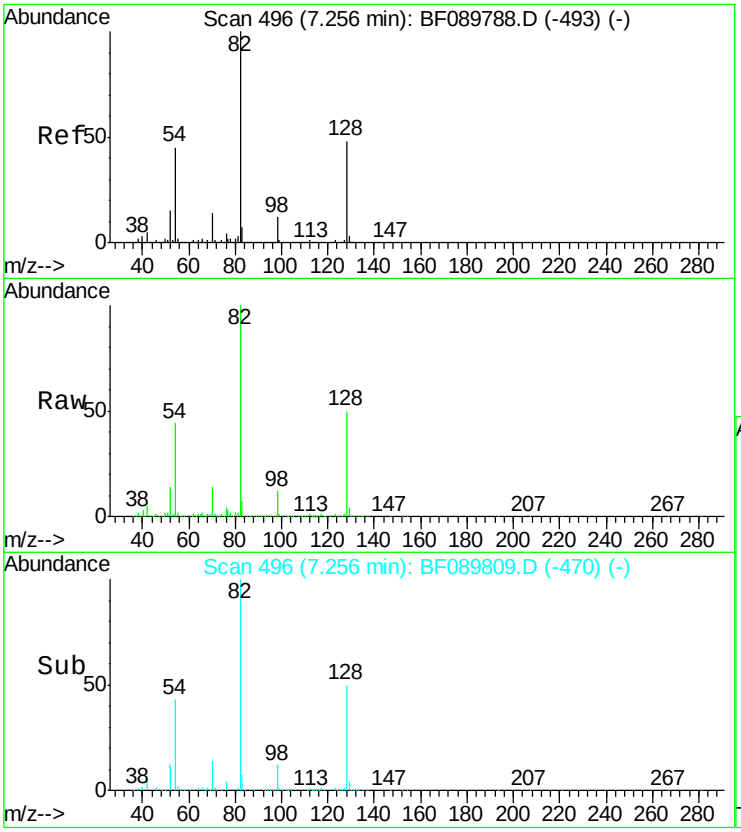


#22
Acetophenone
Concen: 33.95 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:105 Resp: 1762264

Ion	Ratio	Lower	Upper
105	100		
71	4.2	1.9	2.9#
51	26.6	28.5	42.7#
120	21.2	16.6	25.0



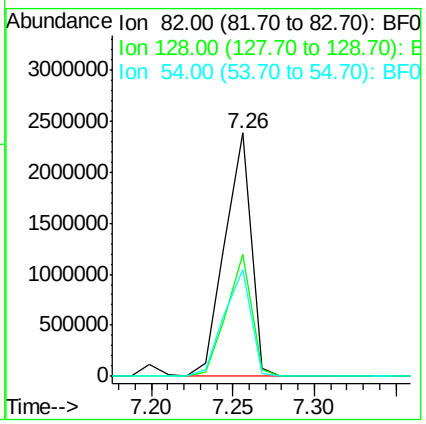


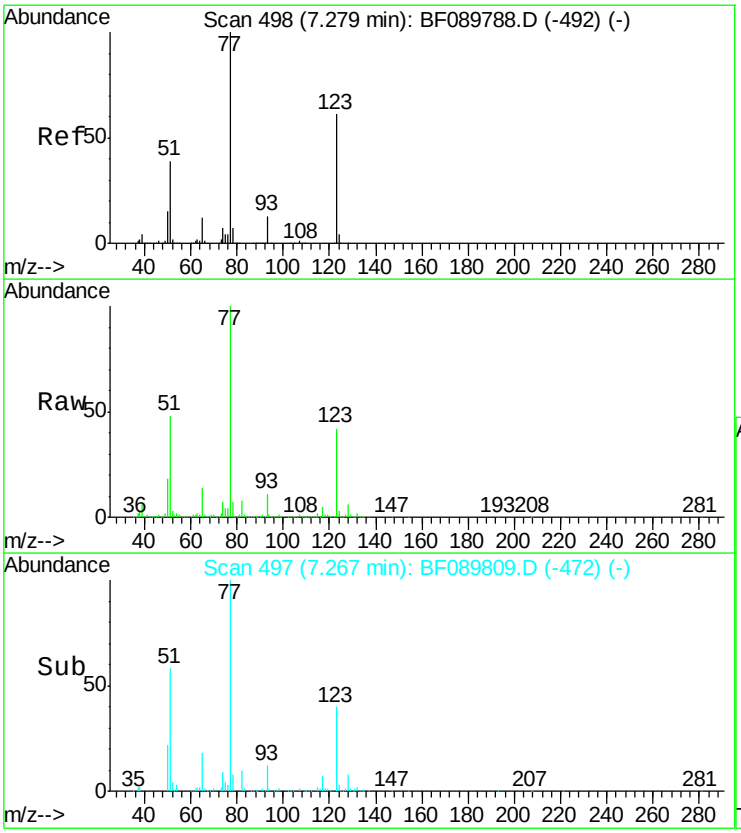
#23
Nitrobenzene-d5
Concen: 72.59 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 82 Resp: 2641390

Ion	Ratio	Lower	Upper
82	100		
128	50.2	34.4	51.6
54	44.0	40.3	60.5

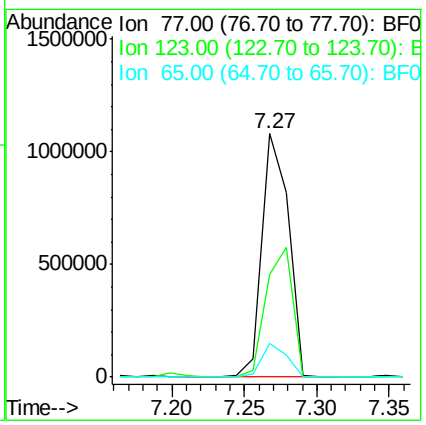


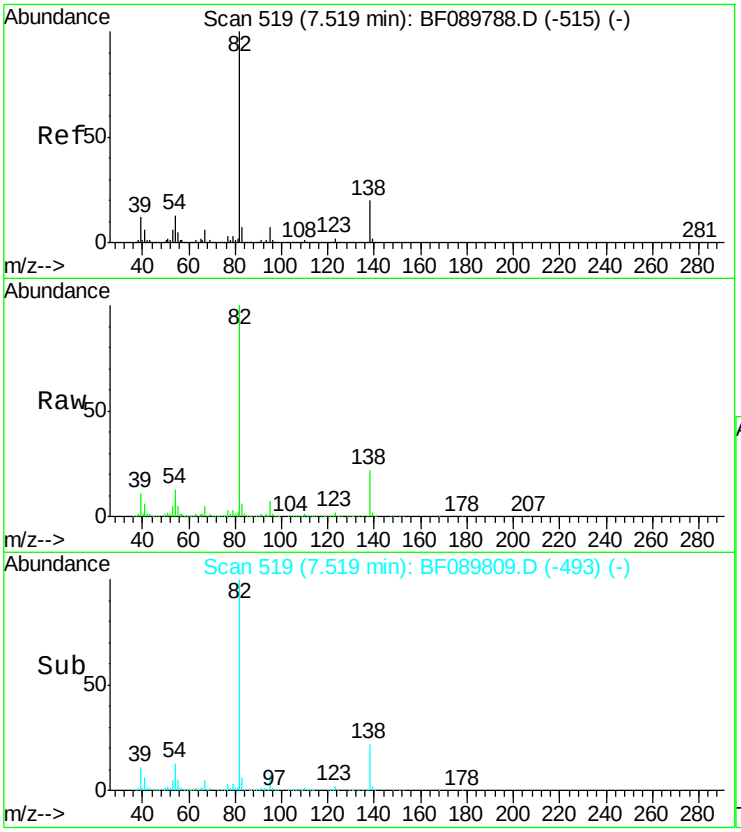


#24
Nitrobenzene
Concen: 33.45 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 77 Resp: 1365559

Ion	Ratio	Lower	Upper
77	100		
123	42.3	36.2	54.2
65	13.7	10.6	15.8



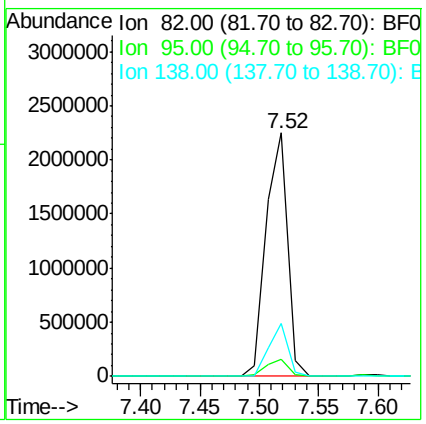


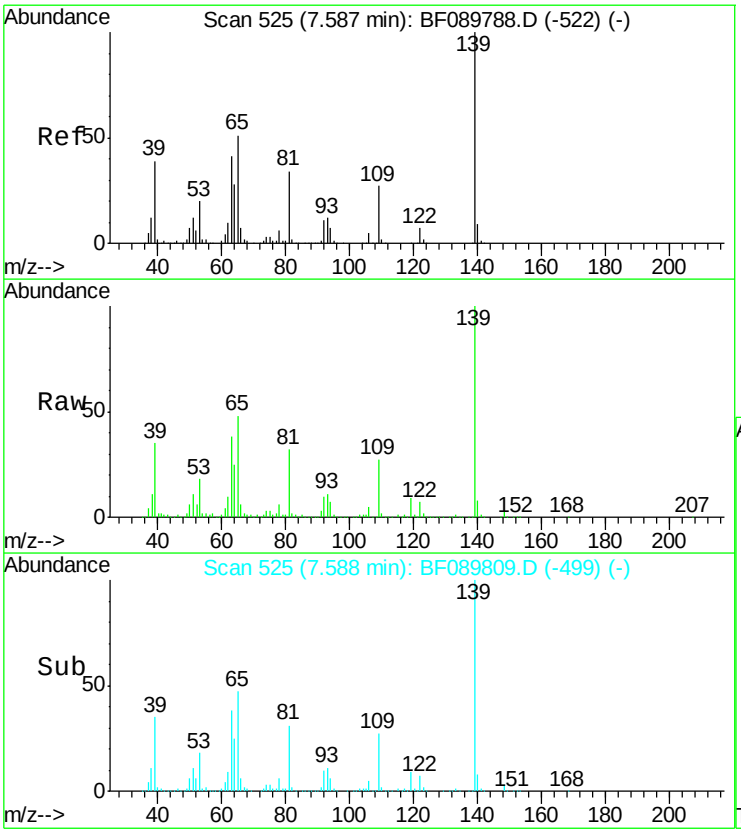
#25
Isophorone
Concen: 38.72 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 82 Resp: 2841697

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.3	7.9
138	21.9	13.0	19.4#

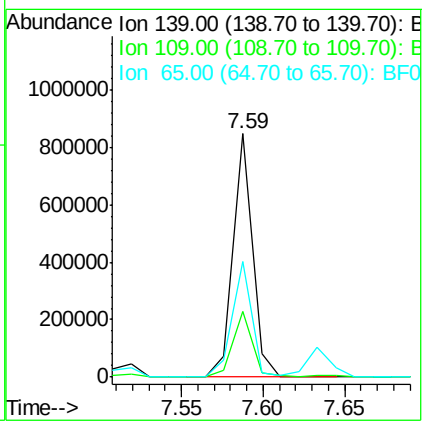


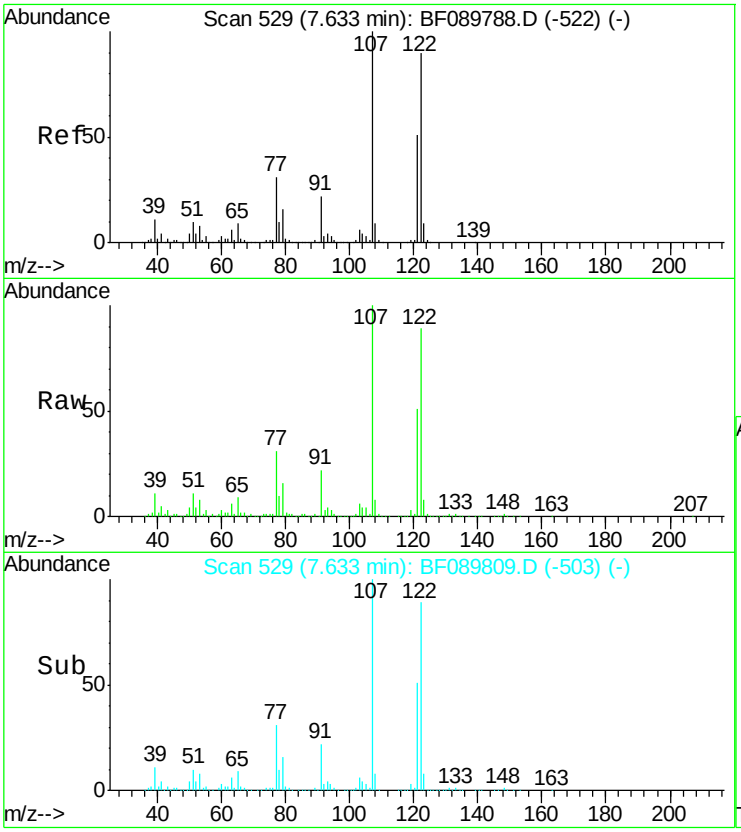


#26
2-Nitrophenol
Concen: 33.95 ng
RT: 7.59 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:139 Resp: 691586

Ion	Ratio	Lower	Upper
139	100		
109	27.0	19.5	29.3
65	47.6	26.5	39.7#



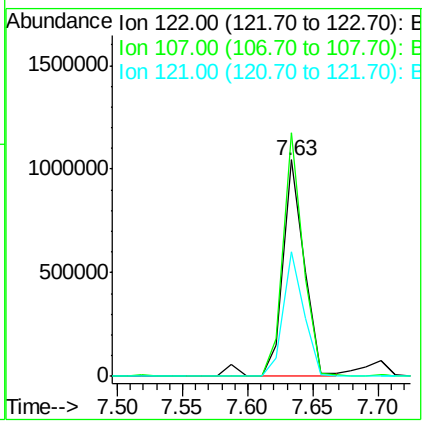


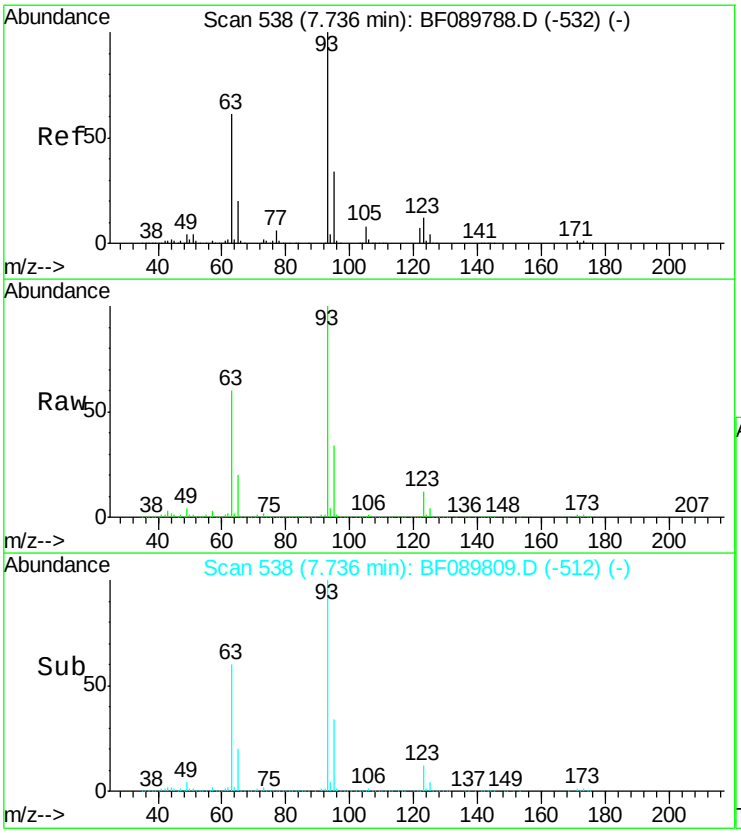
#27
2,4-Dimethylphenol
Concen: 33.47 ng
RT: 7.63 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:122 Resp: 1228919

Ion	Ratio	Lower	Upper
122	100		
107	112.6	84.8	127.2
121	57.4	47.0	70.6

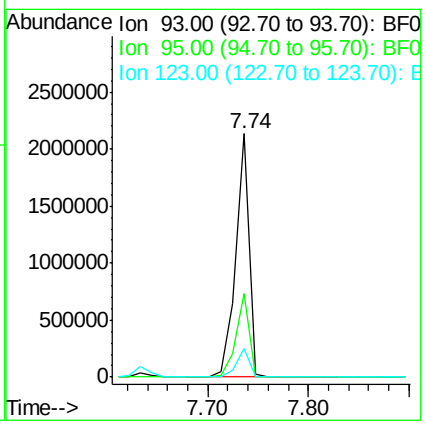


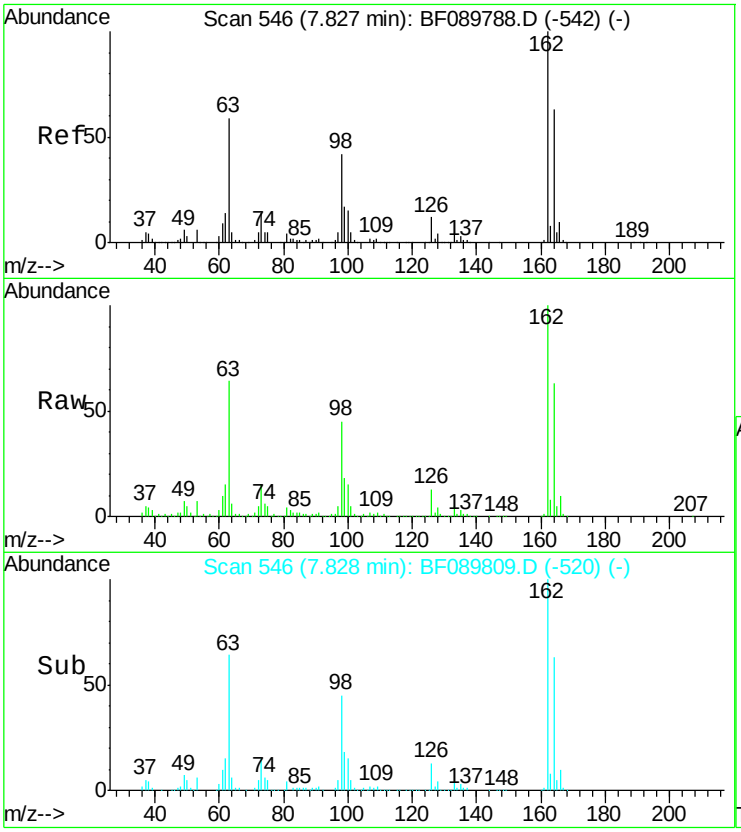


#28
bis(2-Chloroethoxy)methane
Concen: 43.23 ng
RT: 7.74 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 93 Resp: 1962886

Ion	Ratio	Lower	Upper
93	100		
95	34.3	25.5	38.3
123	11.8	8.5	12.7



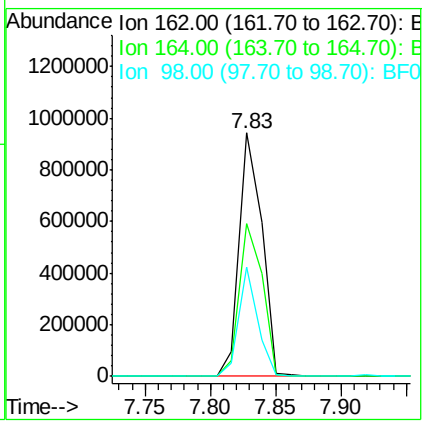


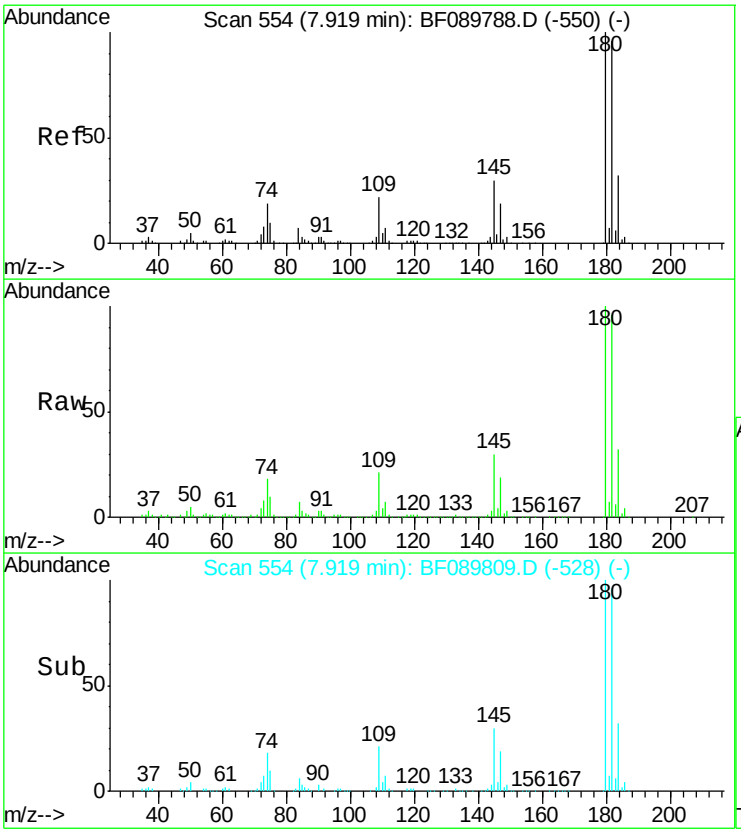
#29
2,4-Dichlorophenol
Concen: 36.93 ng
RT: 7.83 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:162 Resp: 1137510

Ion	Ratio	Lower	Upper
162	100		
164	62.7	45.5	85.5
98	44.7	12.4	52.4

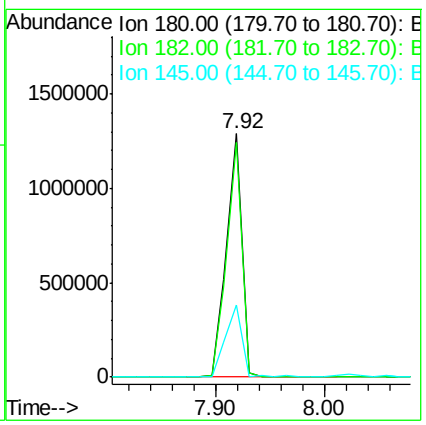


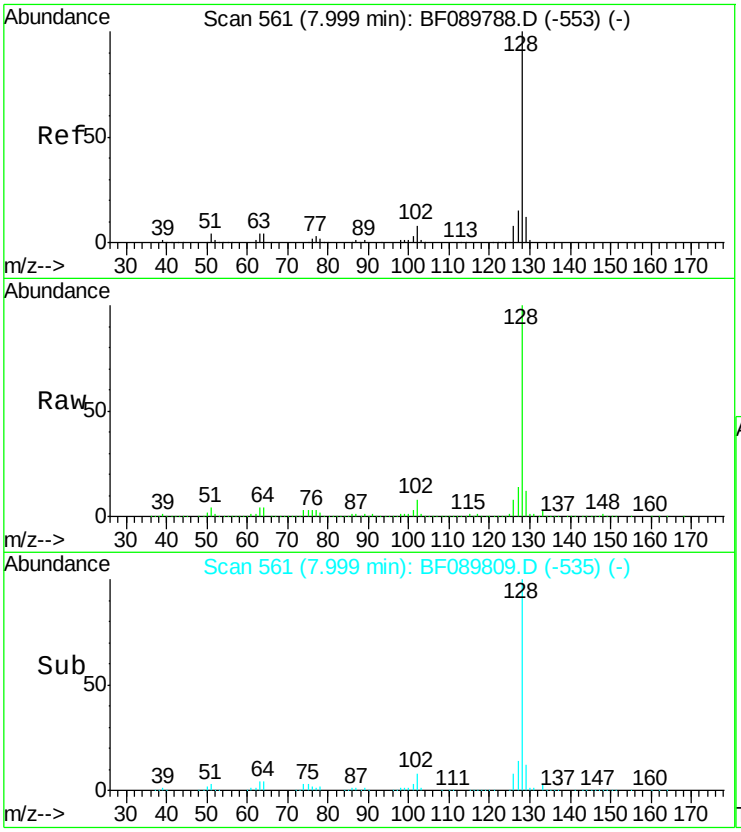


#30
1,2,4-Trichlorobenzene
Concen: 37.00 ng
RT: 7.92 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:180 Resp: 1260603

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.5	113.3
145	29.6	28.7	43.1



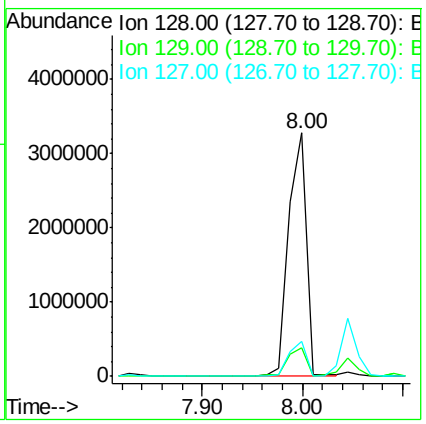


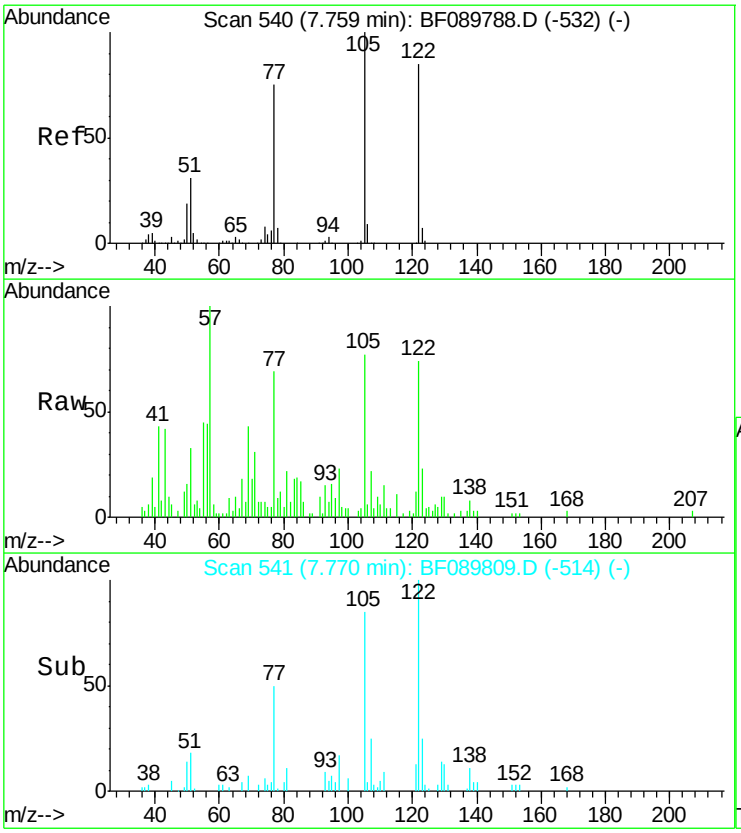
#31
Naphthalene
Concen: 37.79 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:128 Resp: 3993108

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.5	14.3
127	14.4	11.3	16.9

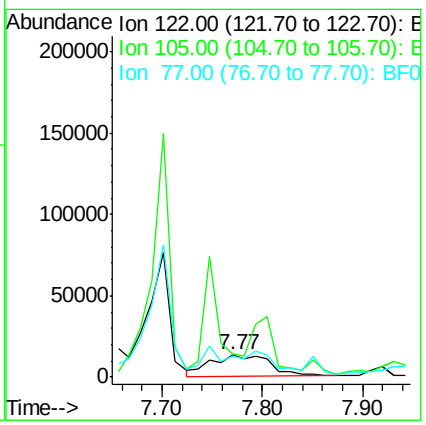


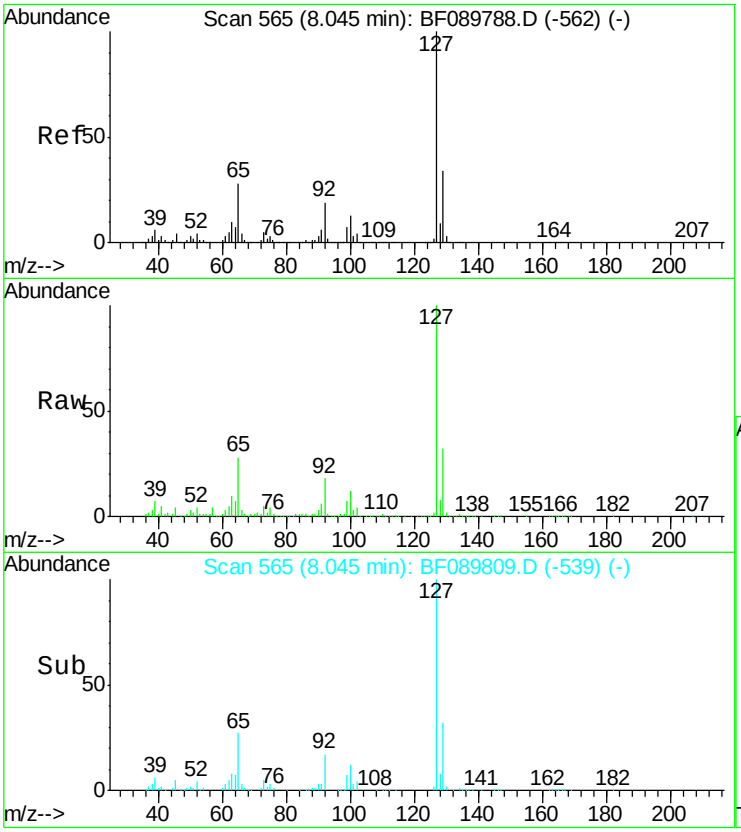


#32
Benzoic acid
Concen: 1.79 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:122 Resp: 51302

Ion	Ratio	Lower	Upper
122	100		
105	103.2	100.8	140.8
77	92.4	72.1	112.1



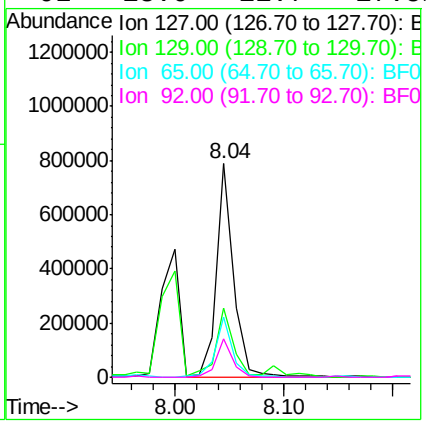


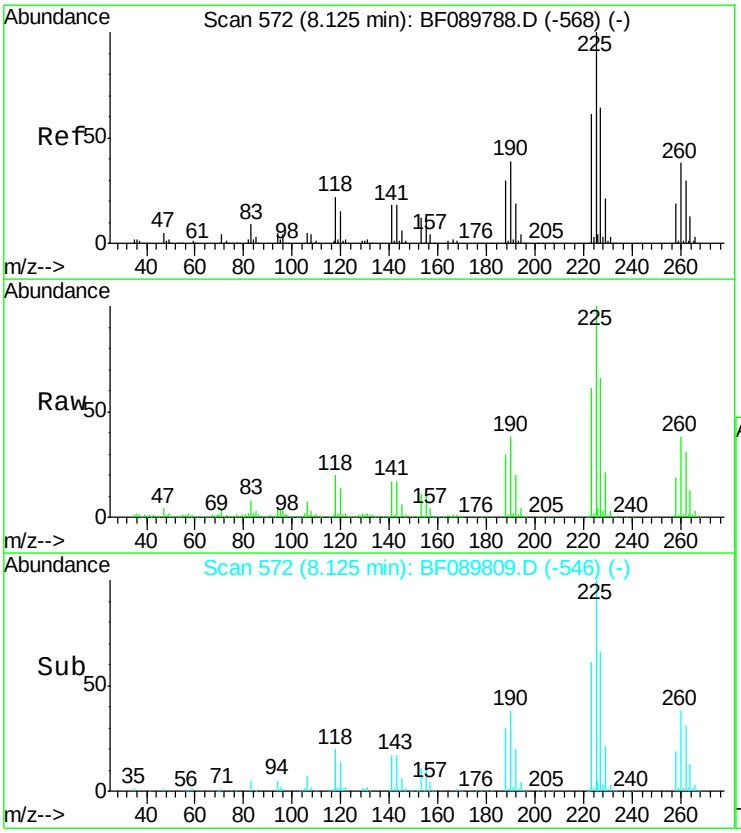
#33
4-Chloroaniline
Concen: 18.64 ng
RT: 8.04 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:127 Resp: 853874

Ion	Ratio	Lower	Upper
127	100		
129	32.3	27.0	40.6
65	28.4	14.7	22.1#
92	18.0	11.7	17.5#

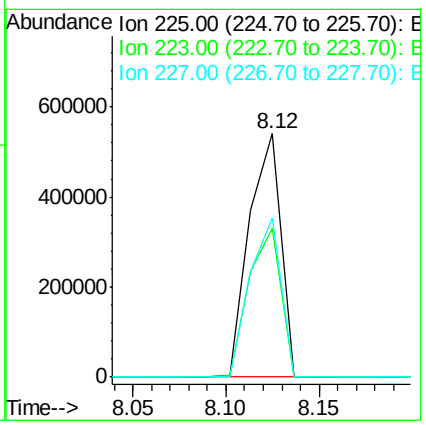


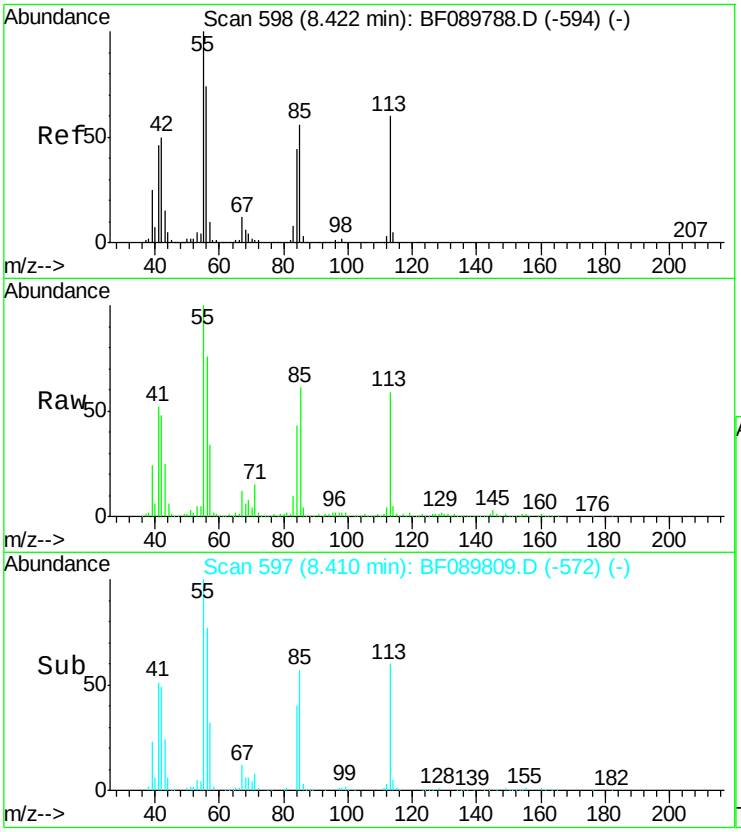


#34
Hexachlorobutadiene
Concen: 35.25 ng
RT: 8.12 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:225 Resp: 628963

Ion	Ratio	Lower	Upper
225	100		
223	61.3	51.0	76.6
227	65.6	49.8	74.6



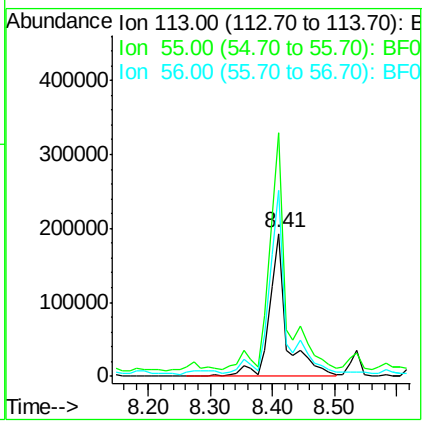


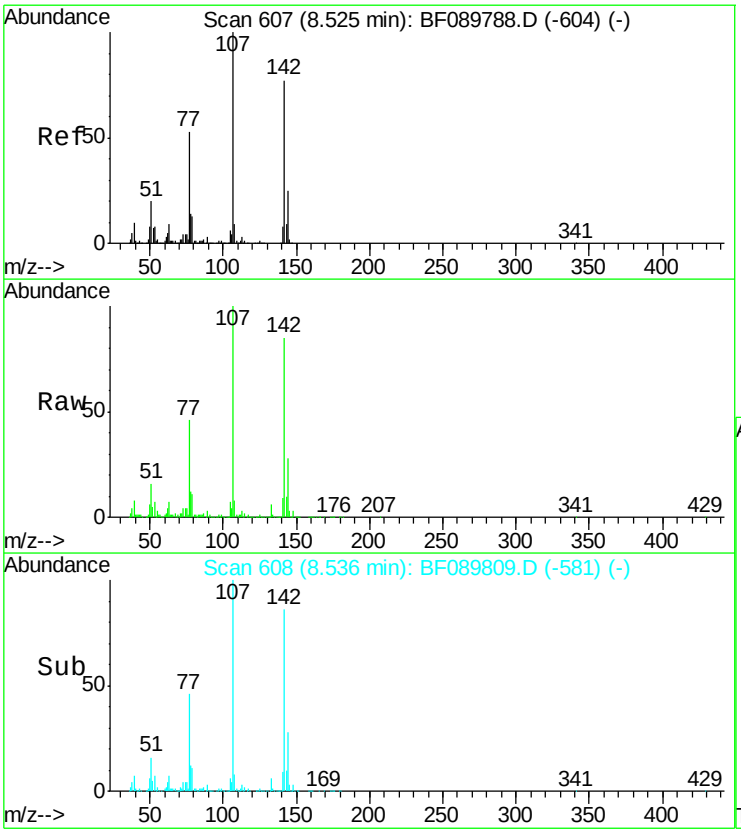
#35
Caprolactam
Concen: 38.84 ng
RT: 8.41 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:113 Resp: 364311

Ion	Ratio	Lower	Upper
113	100		
55	170.5	135.9	175.9
56	130.3	93.9	133.9

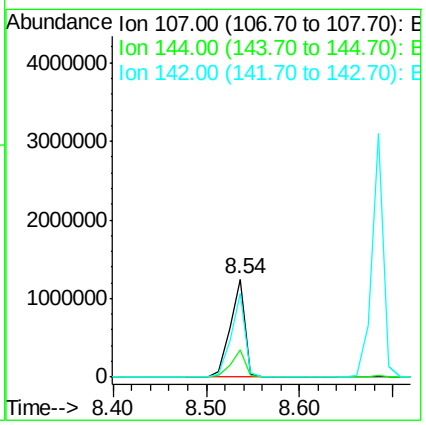


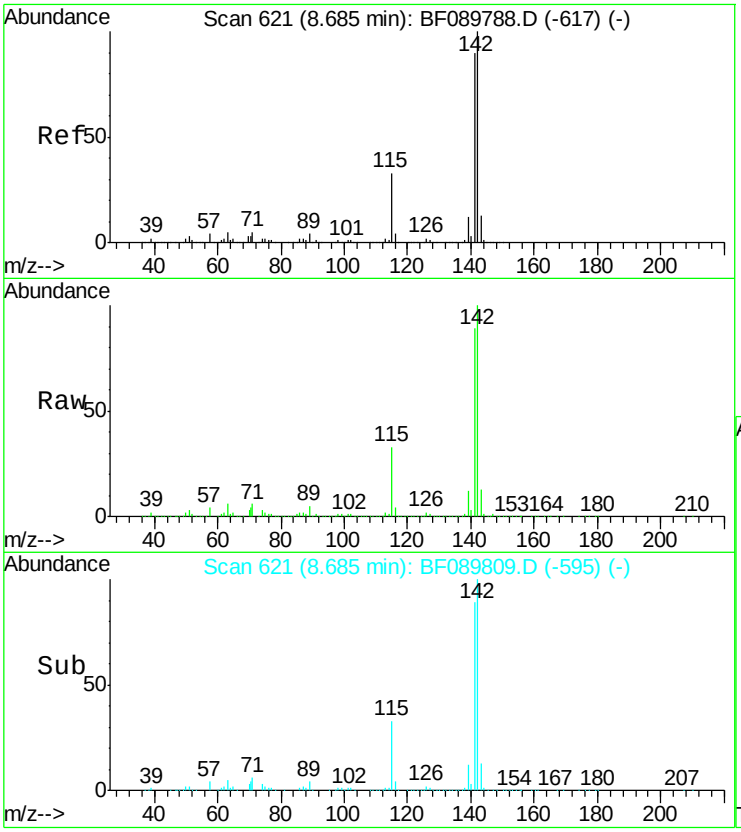


#36
4-Chloro-3-methylphenol
Concen: 41.11 ng
RT: 8.54 min Scan# 608
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:107 Resp: 1371635

Ion	Ratio	Lower	Upper
107	100		
144	28.1	22.6	34.0
142	85.5	69.3	103.9



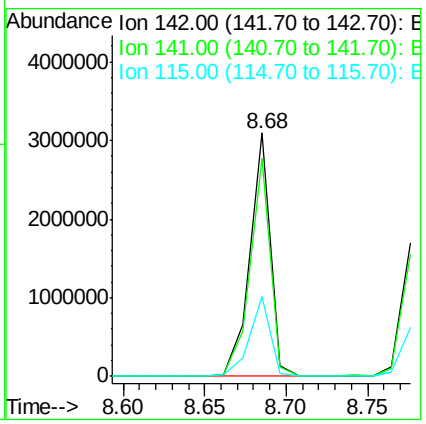


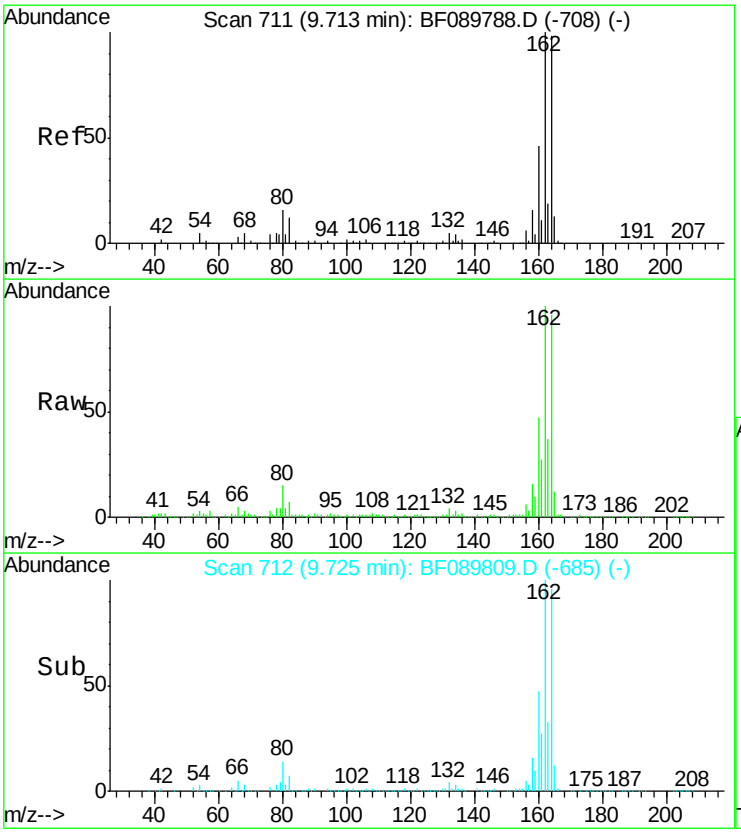
#37
2-Methylnaphthalene
Concen: 39.27 ng
RT: 8.68 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:142 Resp: 2684125

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.2
115	32.9	22.7	34.1

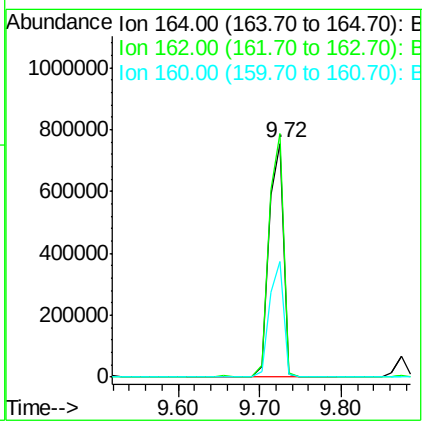


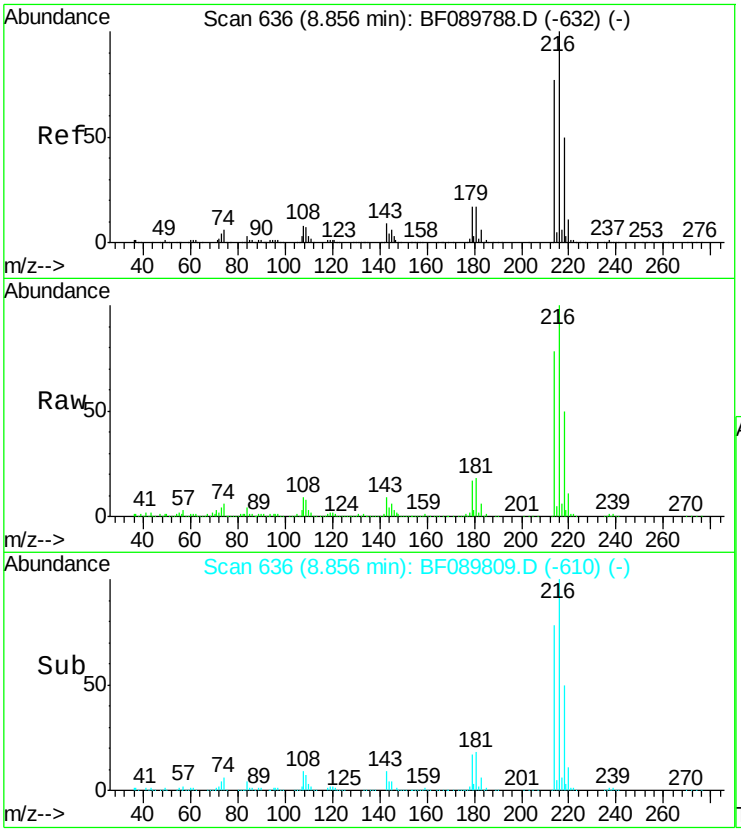


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:164 Resp: 955189

Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.4	122.2
160	49.3	37.8	56.6



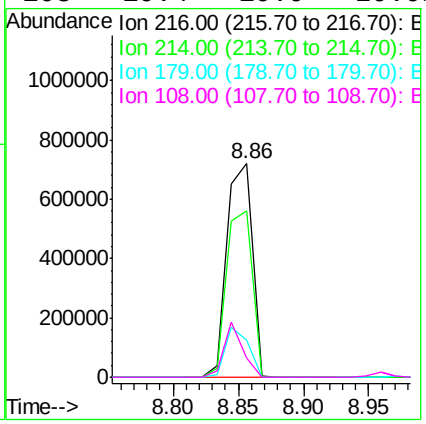


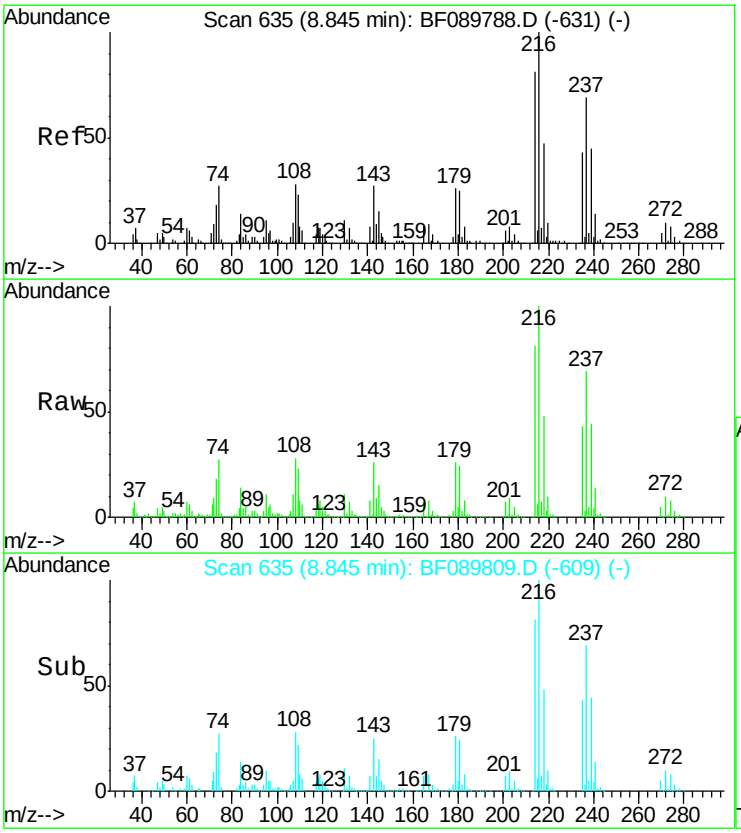
#39
1,2,4,5-Tetrachlorobenzene
Concen: 31.34 ng
RT: 8.86 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:216 Resp: 969408

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.5	95.3
179	21.6	19.9	29.9
108	19.4	19.9	29.9#

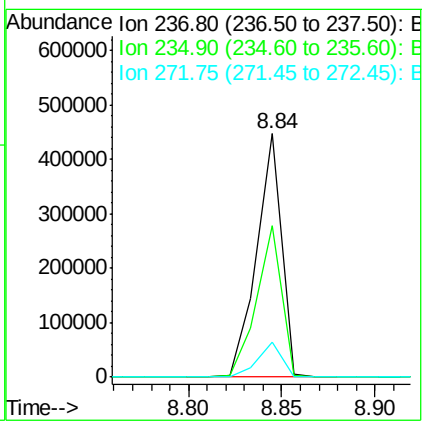


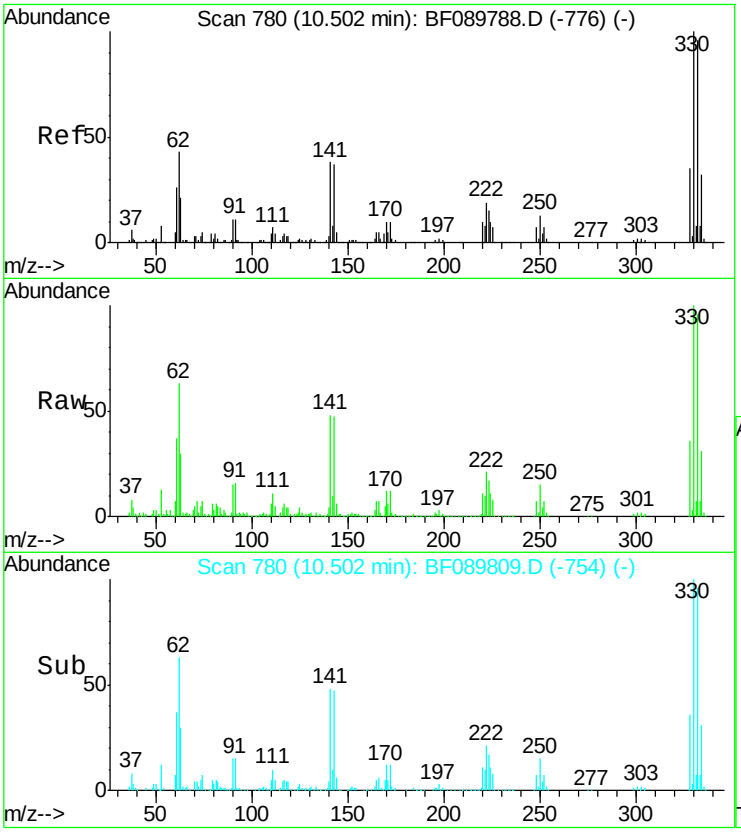


#40
Hexachlorocyclopentadiene
Concen: 38.37 ng
RT: 8.84 min Scan# 635
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:237 Resp: 412096

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.7	83.7
272	14.4	0.0	31.6



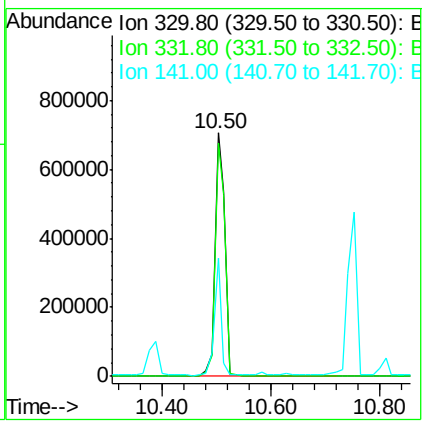


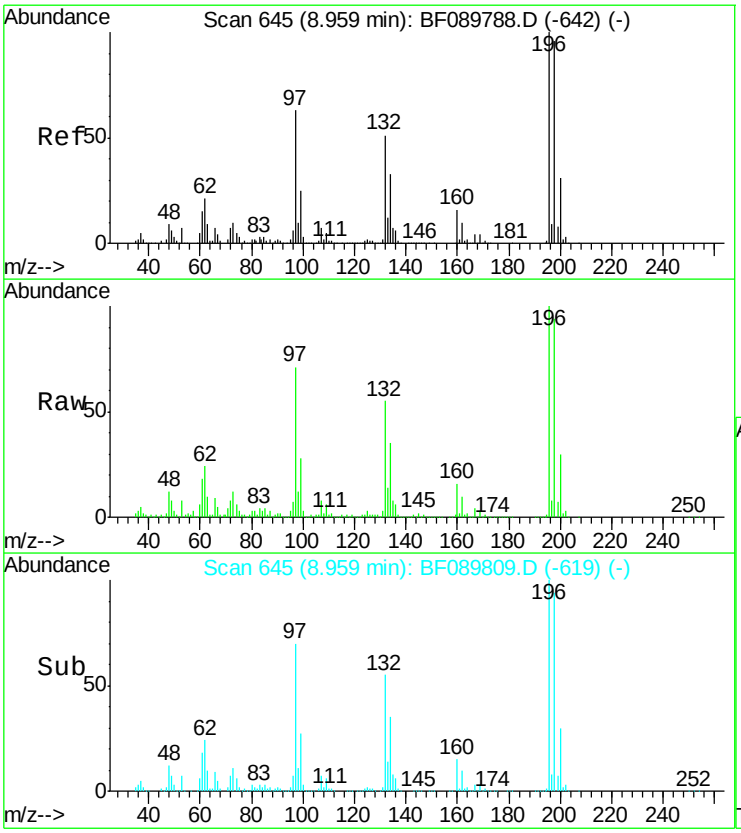
#41
2,4,6-Tribromophenol
Concen: 101.81 ng
RT: 10.50 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:330 Resp: 924215

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	34.0	30.2	45.2

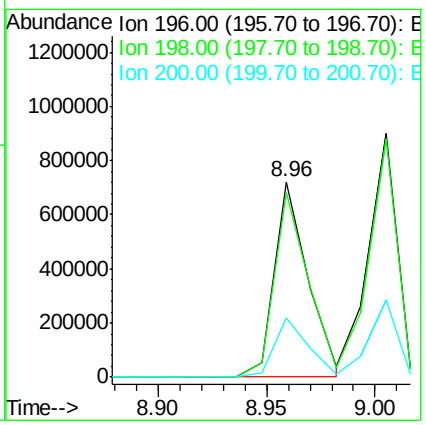


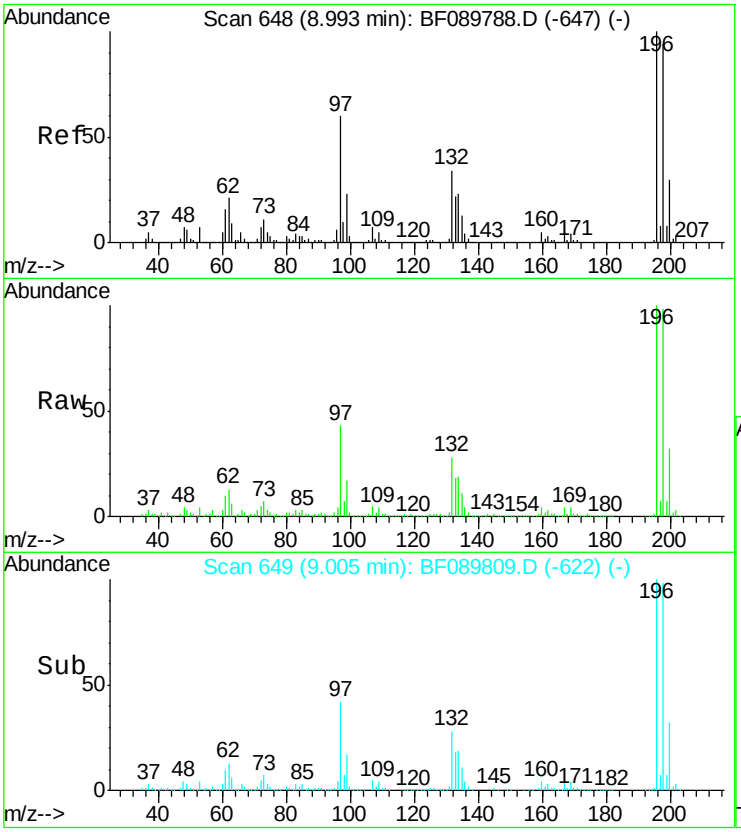


#42
2,4,6-Trichlorophenol
Concen: 40.16 ng
RT: 8.96 min Scan# 645
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:196 Resp: 781585

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.3	114.5
200	30.2	24.6	36.8



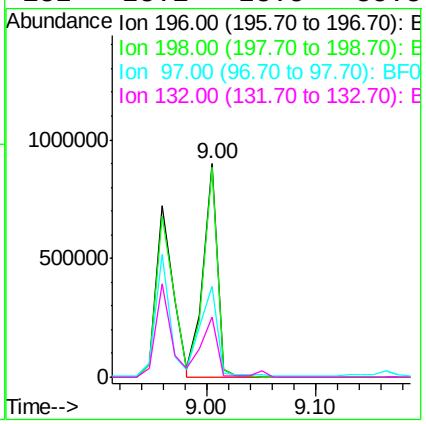


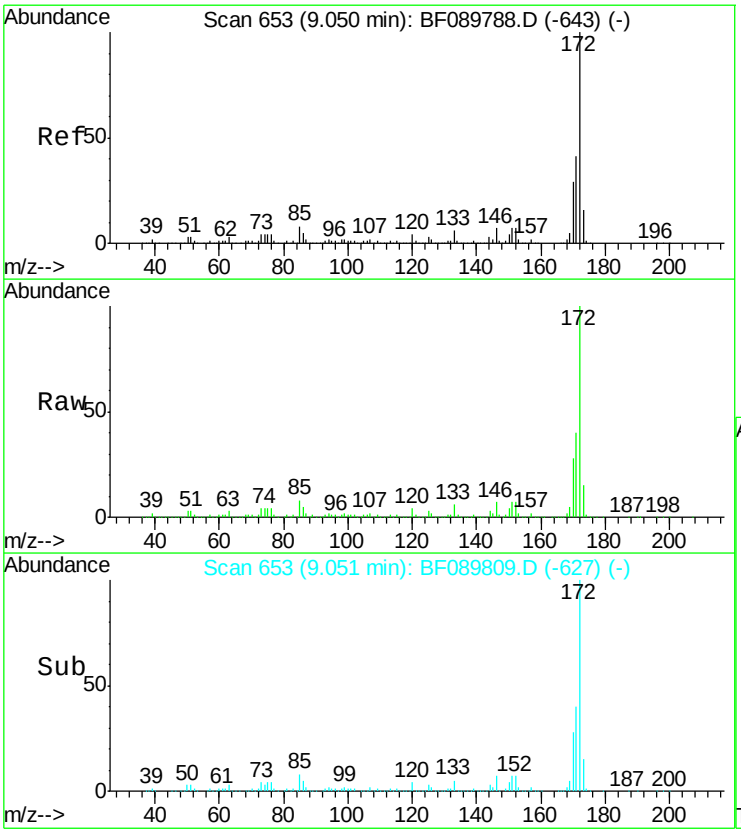
#43
2,4,5-Trichlorophenol
Concen: 42.67 ng
RT: 9.00 min Scan# 649
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:196 Resp: 825823

Ion	Ratio	Lower	Upper
196	100		
198	98.2	76.6	114.8
97	42.9	35.8	53.8
132	28.1	23.5	35.3

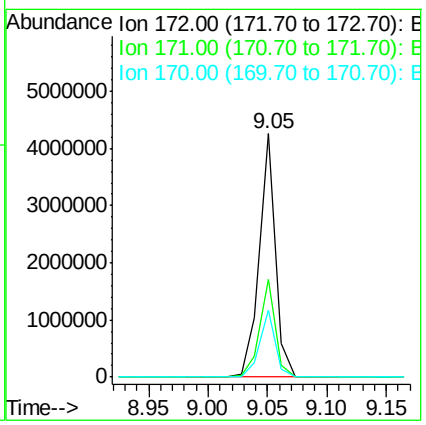


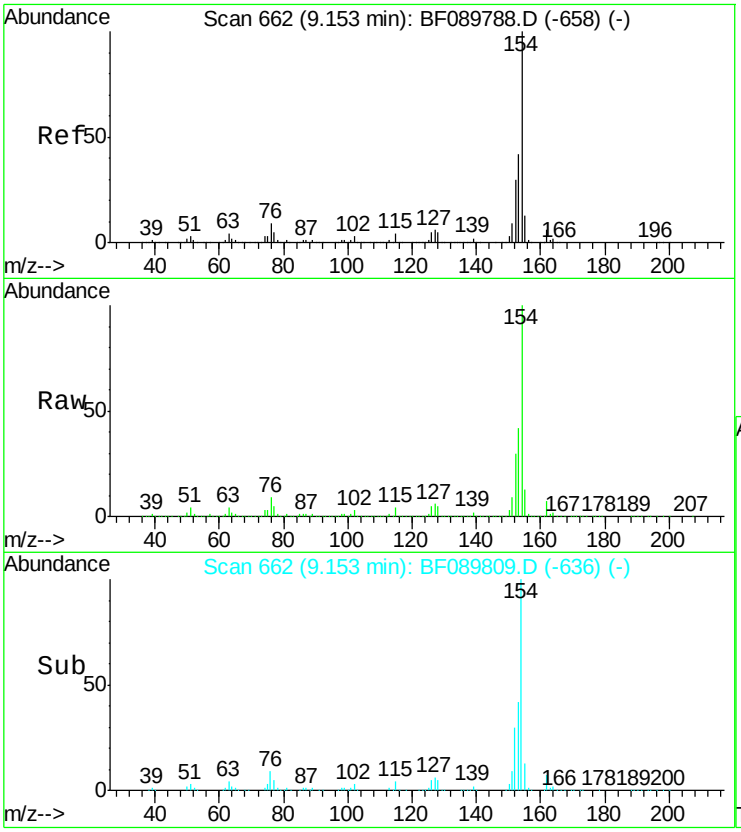


#44
2-Fluorobiphenyl
Concen: 75.29 ng
RT: 9.05 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:172 Resp: 4091593

Ion	Ratio	Lower	Upper
172	100		
171	39.9	30.5	45.7
170	27.7	20.6	31.0



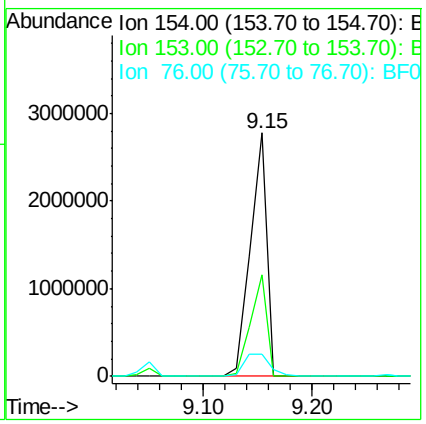


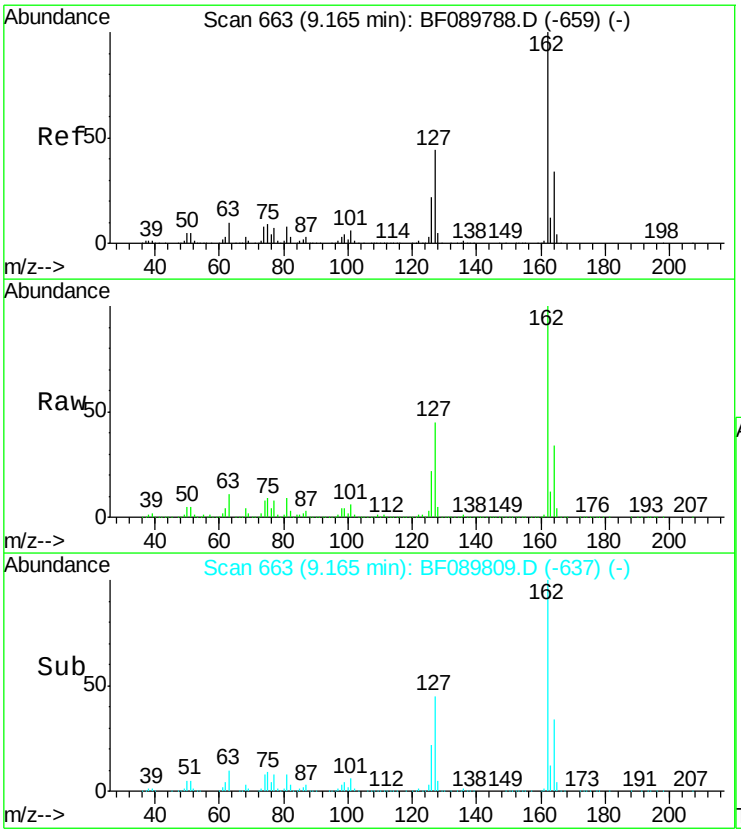
#45
1,1'-Biphenyl
Concen: 39.43 ng
RT: 9.15 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:154 Resp: 2914798

Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.5	61.5
76	9.1	0.0	36.7

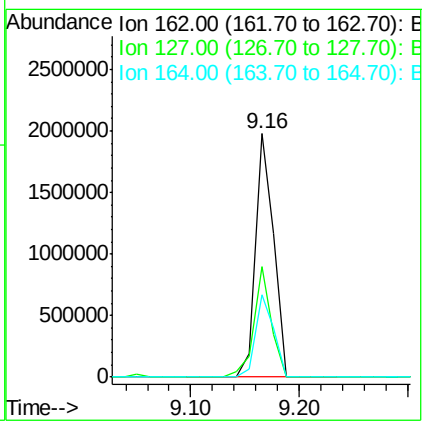


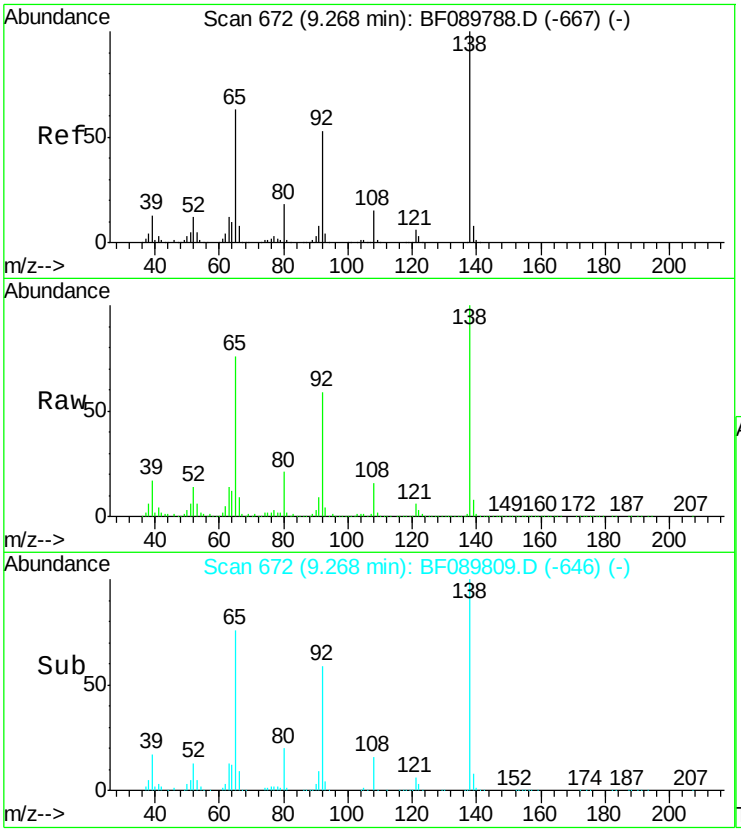


#46
2-Chloronaphthalene
Concen: 39.42 ng
RT: 9.16 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:162 Resp: 2303338

Ion	Ratio	Lower	Upper
162	100		
127	45.3	35.5	53.3
164	33.9	26.6	40.0



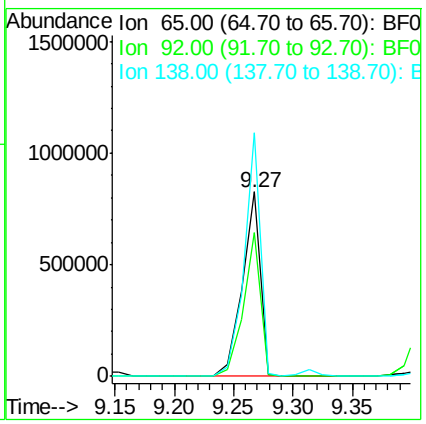


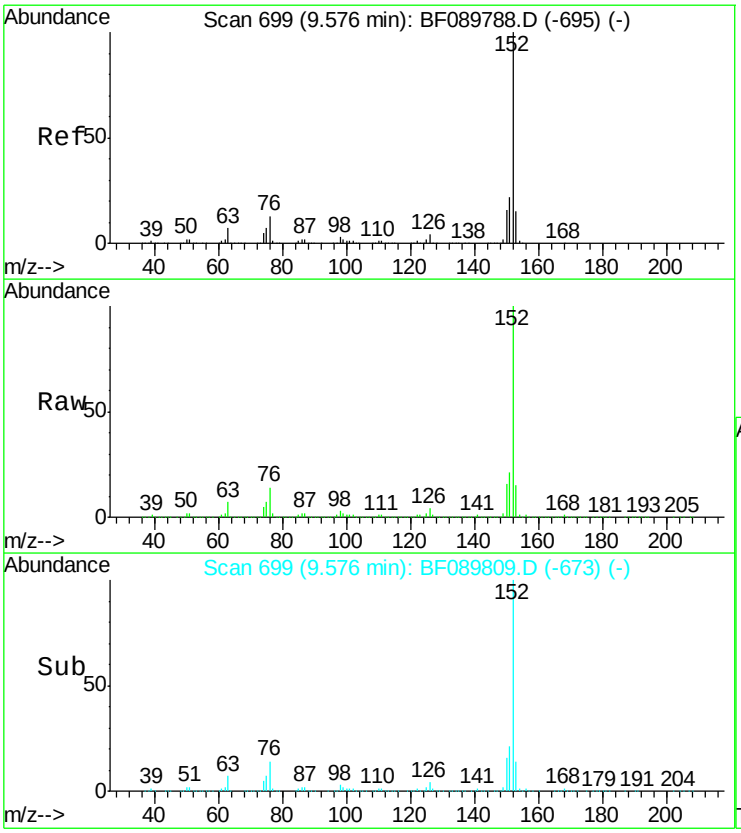
#47
2-Nitroaniline
Concen: 52.13 ng
RT: 9.27 min Scan# 672
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion: 65 Resp: 868839

Ion	Ratio	Lower	Upper
65	100		
92	78.1	56.3	84.5
138	132.0	81.8	122.8#

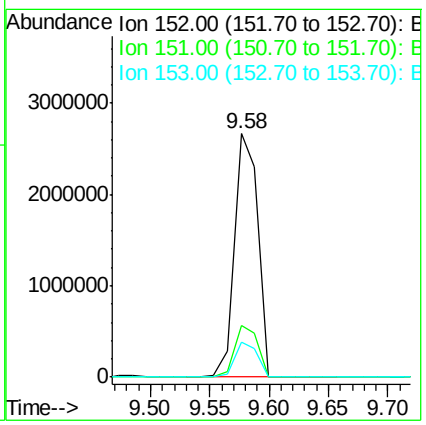


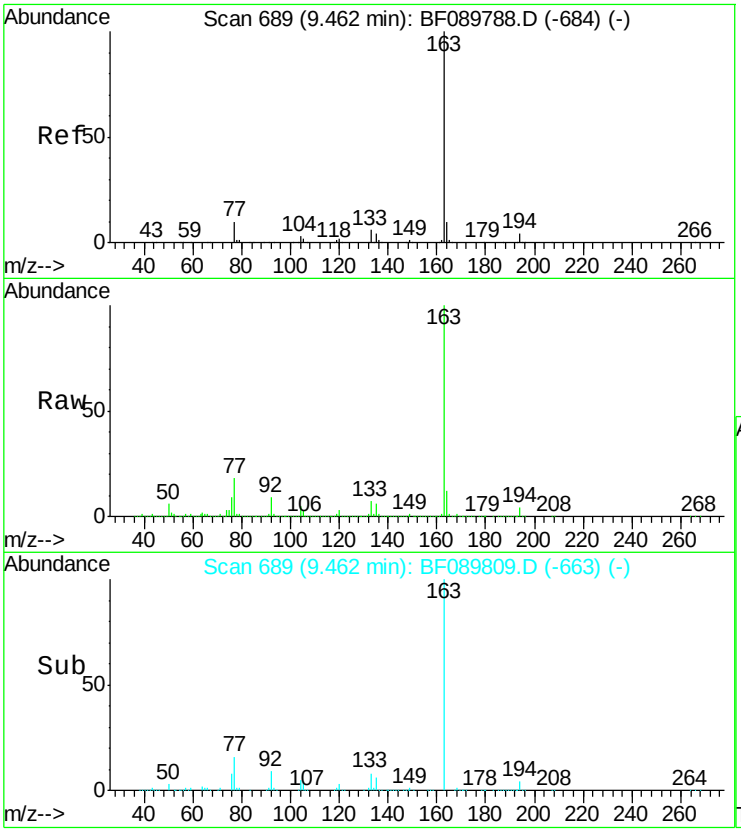


#48
Acenaphthylene
Concen: 41.21 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:152 Resp: 3618196

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.1	25.7
153	14.5	11.2	16.8



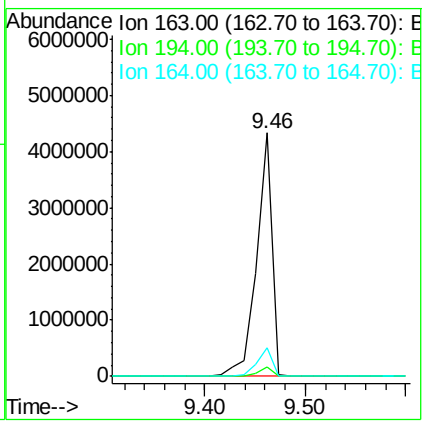


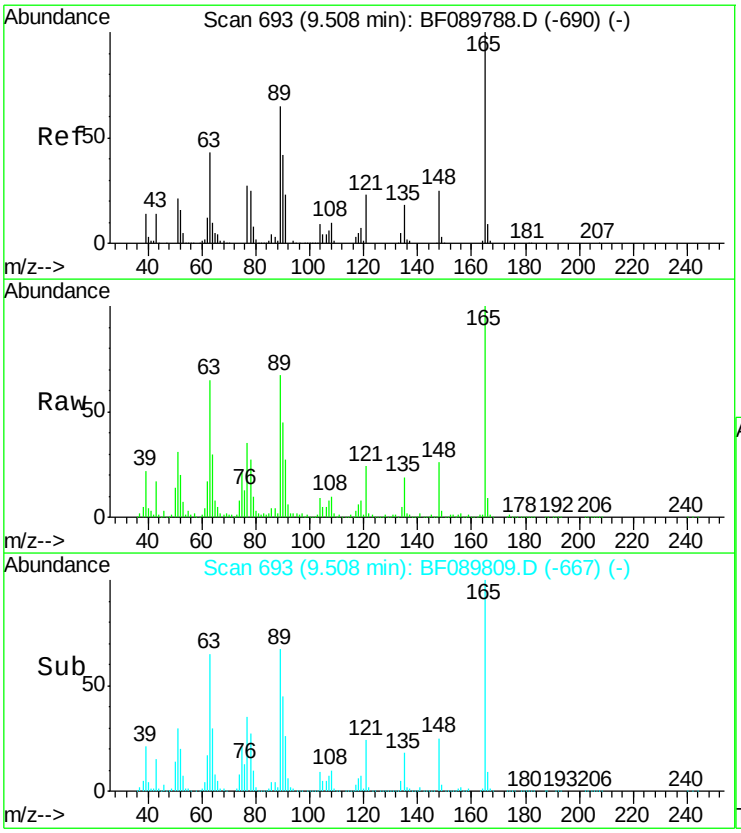
#49
Dimethylphthalate
Concen: 68.15 ng
RT: 9.46 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:163 Resp: 4583510

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.6	3.8#
164	11.7	8.6	12.8

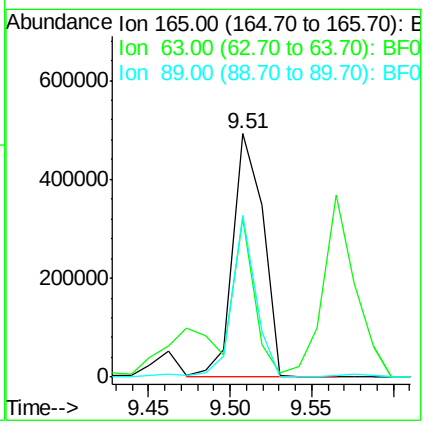


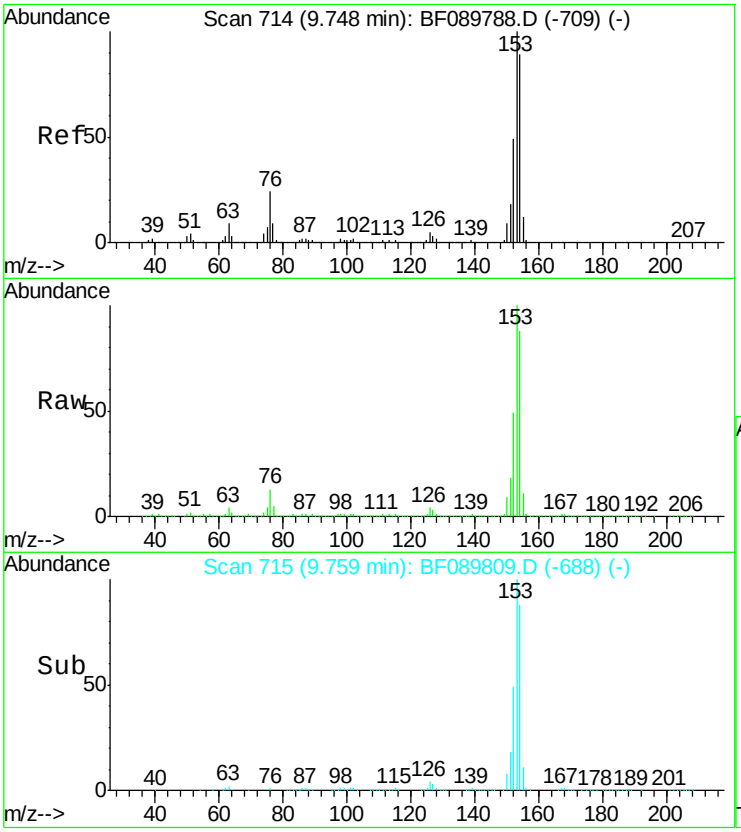


#50
2,6-Dinitrotoluene
Concen: 39.97 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:165 Resp: 620621

Ion	Ratio	Lower	Upper
165	100		
63	65.4	41.7	62.5#
89	66.6	44.6	67.0



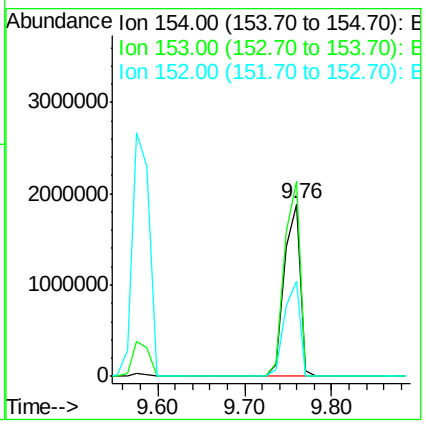


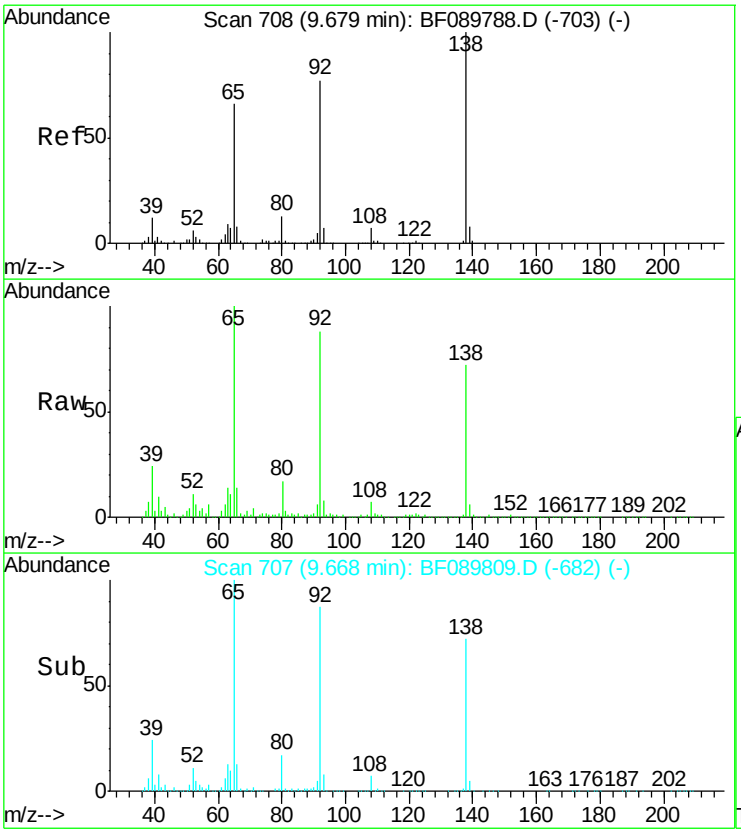
#51
Acenaphthene
Concen: 41.68 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:154 Resp: 2421971

Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.5	135.7
152	55.4	44.6	67.0

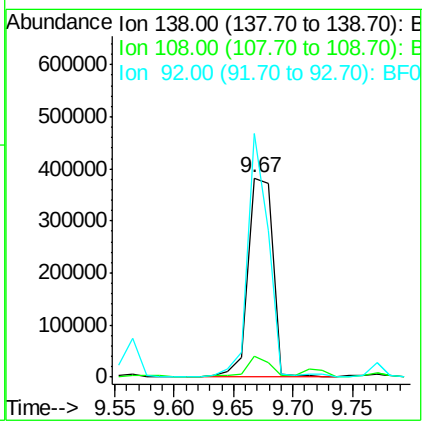


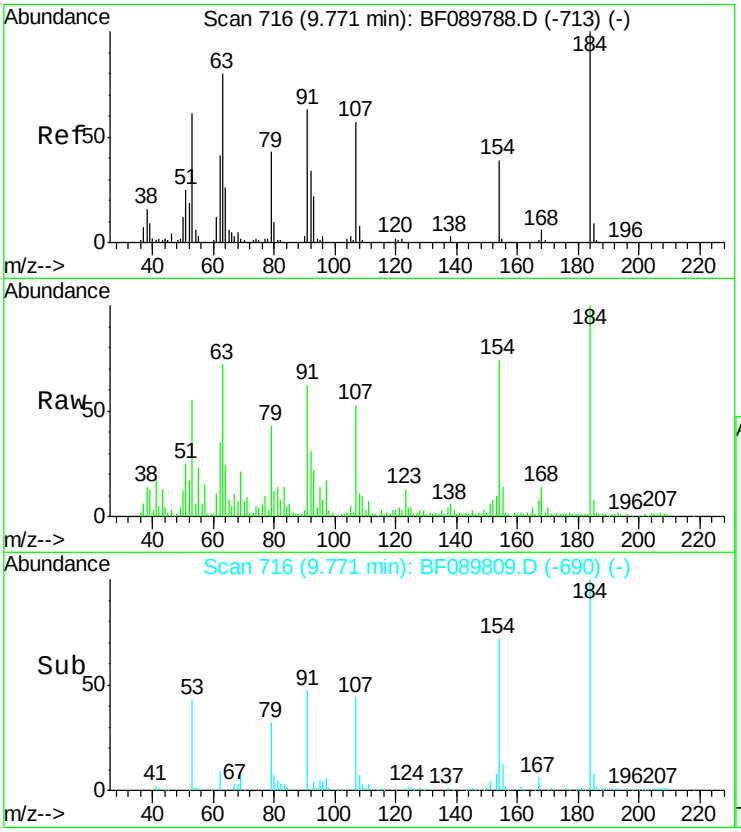


#52
3-Nitroaniline
Concen: 32.19 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:138 Resp: 553771

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.1	12.1
92	122.2	92.7	139.1



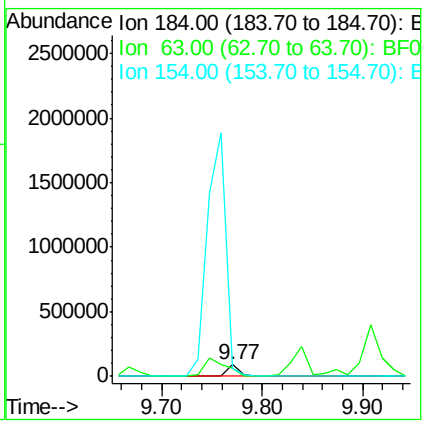


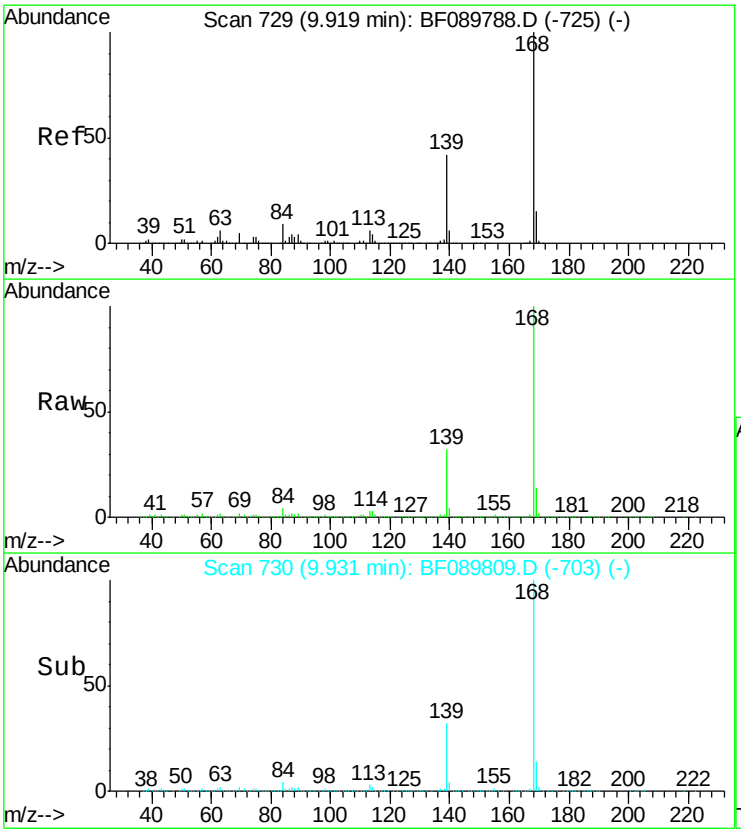
#53
2,4-Dinitrophenol
Concen: 14.66 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:184 Resp: 77650

Ion	Ratio	Lower	Upper
184	100		
63	71.7	54.2	81.4
154	73.6	52.7	79.1

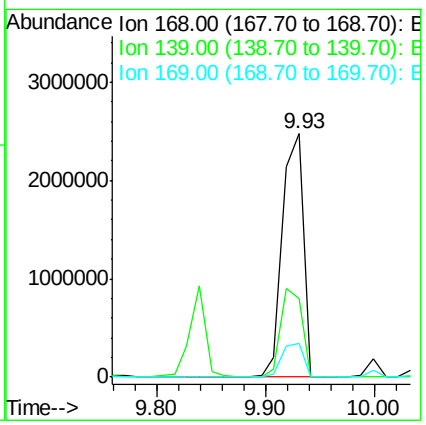


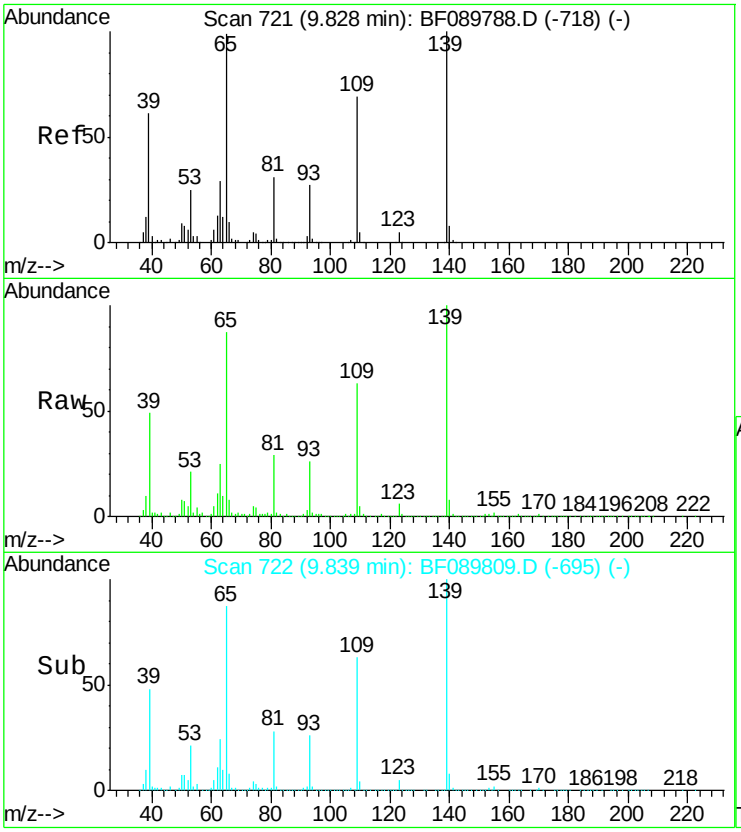


#54
Dibenzofuran
Concen: 45.47 ng
RT: 9.93 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:168 Resp: 3318846

Ion	Ratio	Lower	Upper
168	100		
139	32.5	34.6	52.0#
169	13.9	11.5	17.3



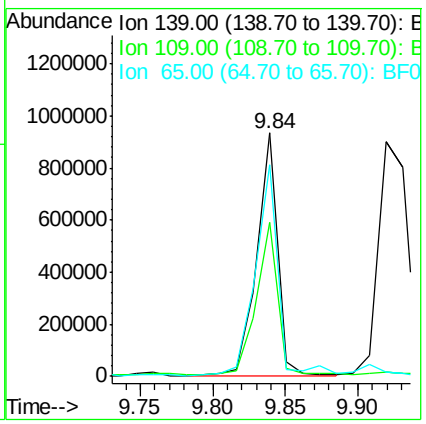


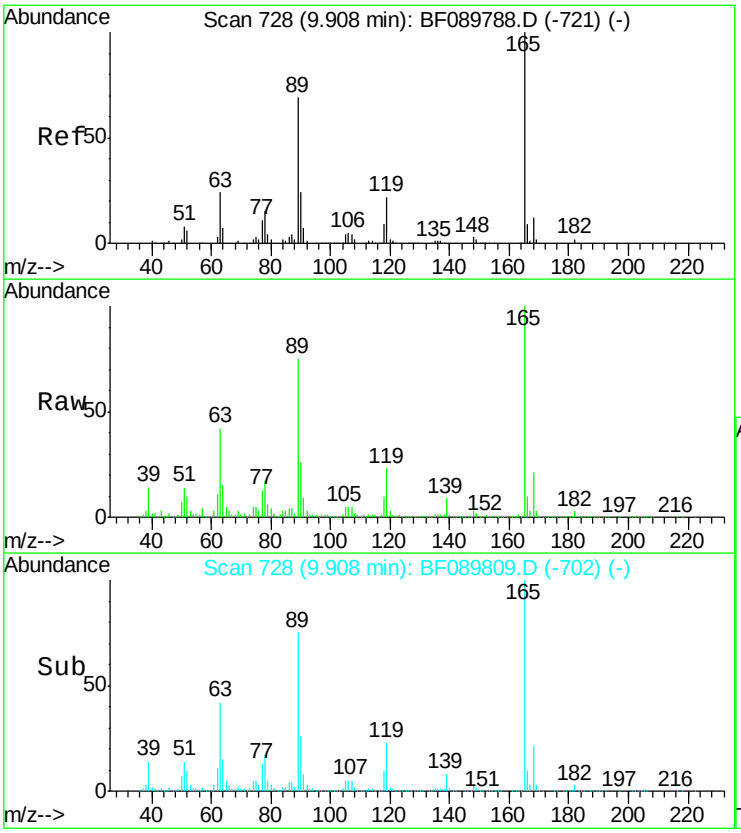
#55
4-Nitrophenol
Concen: 66.64 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:139 Resp: 935753

Ion	Ratio	Lower	Upper
139	100		
109	63.5	43.0	83.0
65	86.8	55.7	95.7

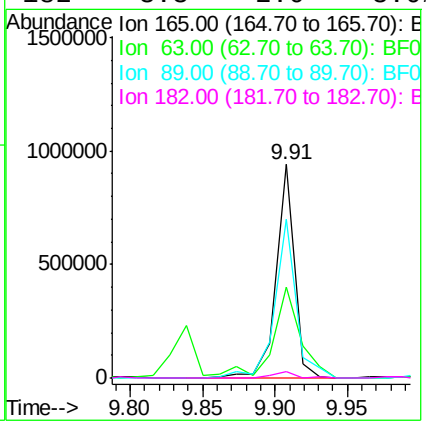


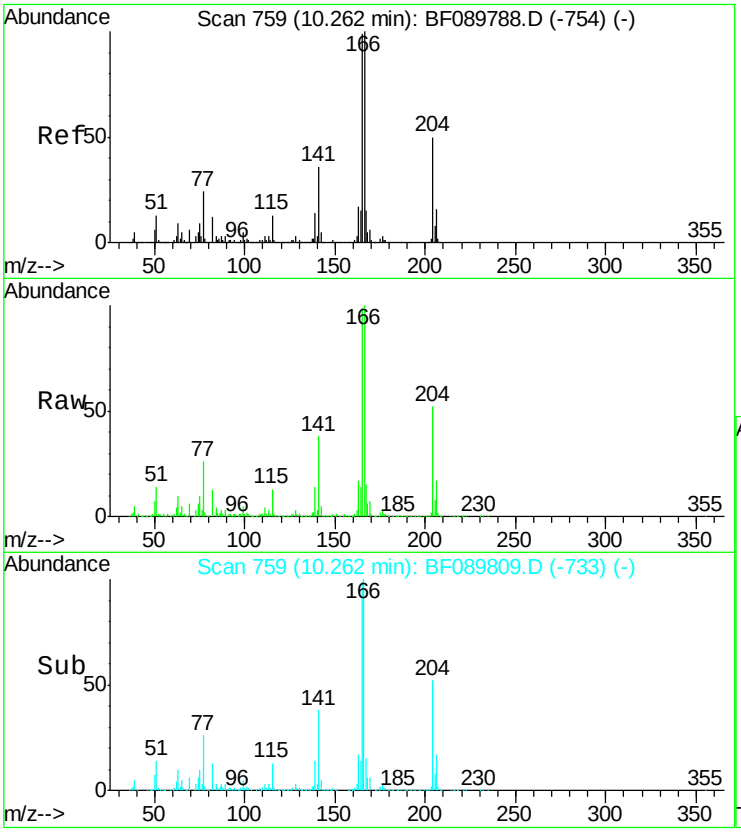


#56
2,4-Dinitrotoluene
Concen: 40.34 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:165 Resp: 812814

Ion	Ratio	Lower	Upper
165	100		
63	42.3	23.7	35.5#
89	74.5	44.0	66.0#
182	3.3	2.0	3.0#



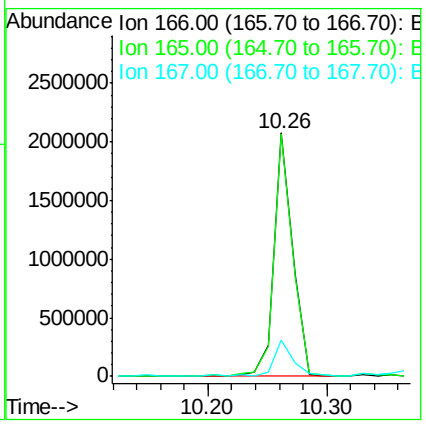


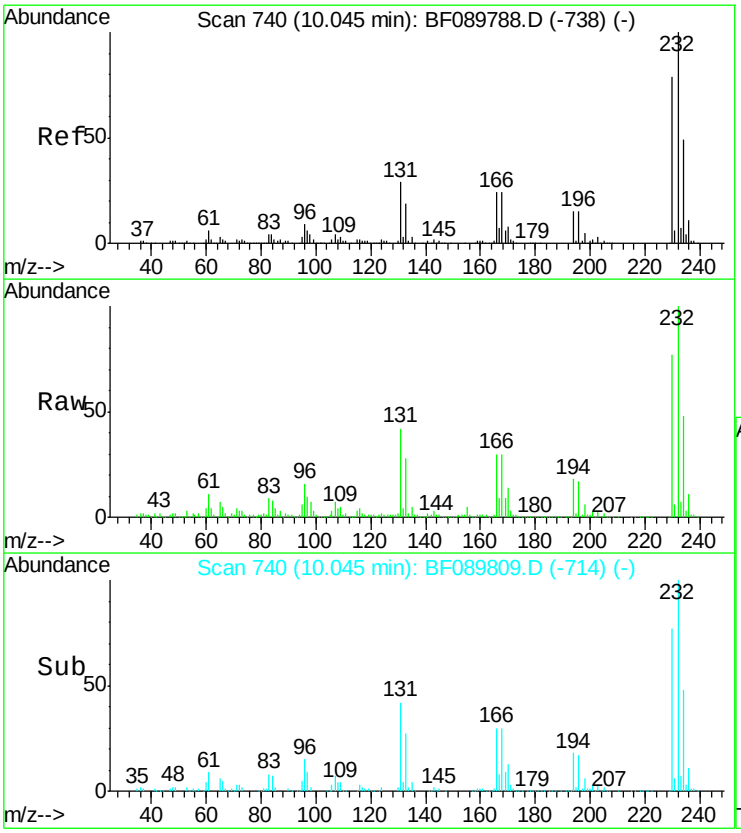
#57
Fluorene
Concen: 38.64 ng
RT: 10.26 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:166 Resp: 2247690

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.2	120.4
167	14.8	11.3	16.9

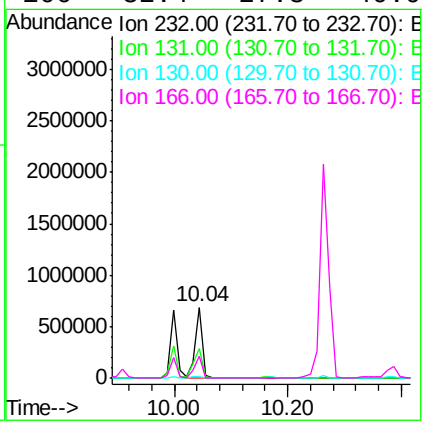


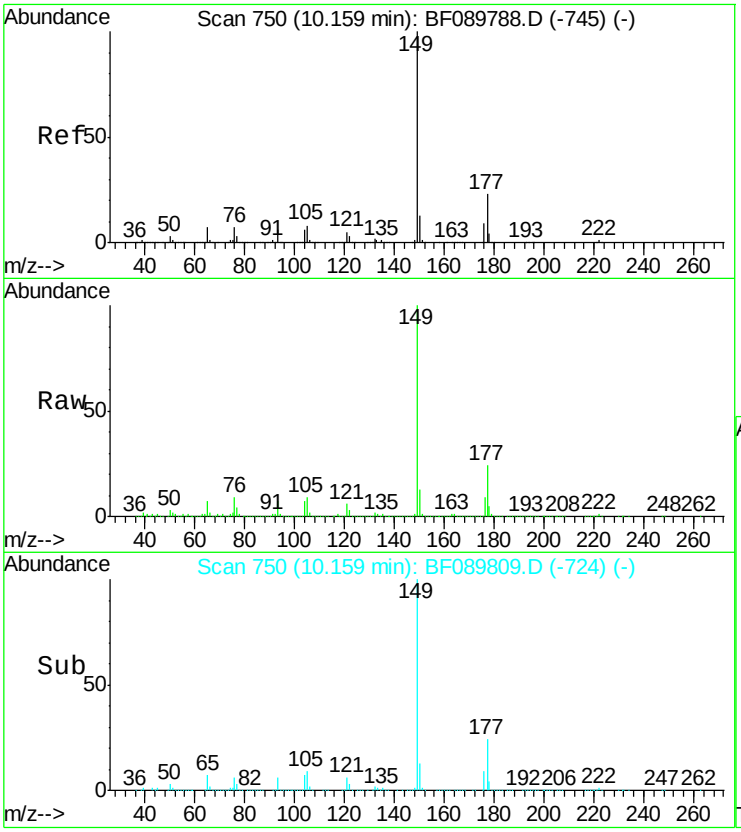


#58
2,3,4,6-Tetrachlorophenol
Concen: 42.53 ng
RT: 10.04 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:232 Resp: 599046

Ion	Ratio	Lower	Upper
232	100		
131	48.9	42.5	63.7
130	2.4	2.2	3.4
166	32.4	27.3	40.9



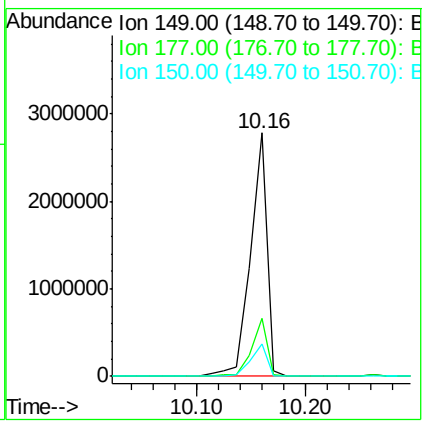


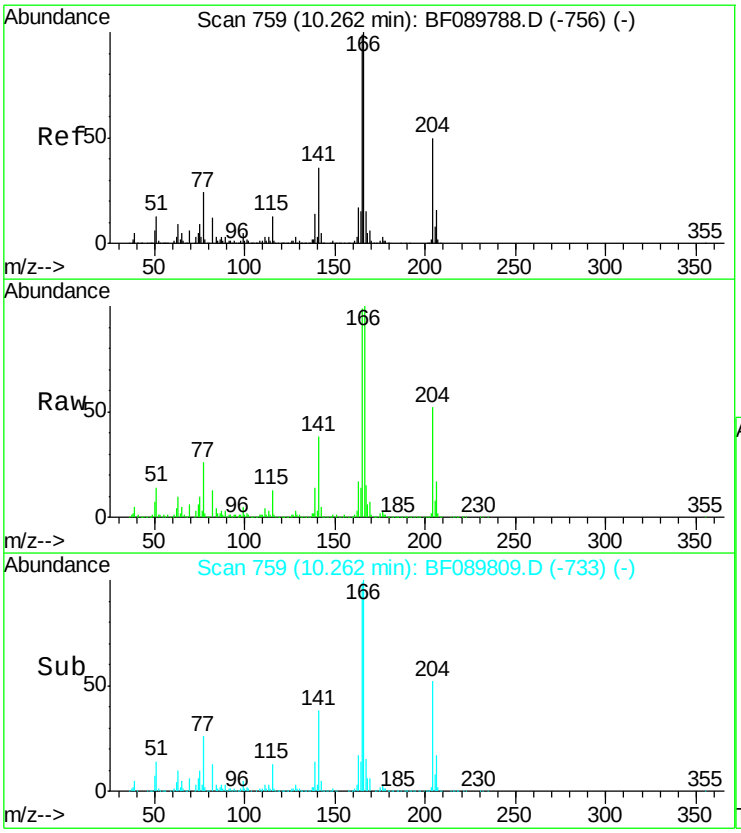
#59
Diethylphthalate
Concen: 42.92 ng
RT: 10.16 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:149 Resp: 2932309

Ion	Ratio	Lower	Upper
149	100		
177	23.7	16.6	25.0
150	13.3	10.5	15.7

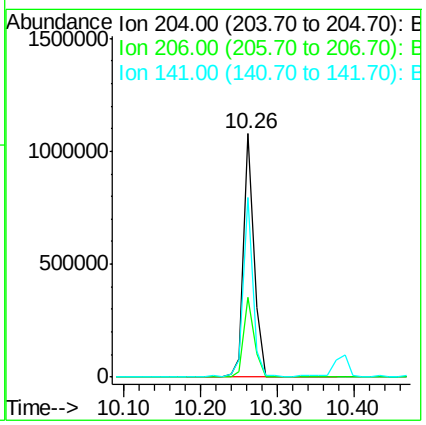


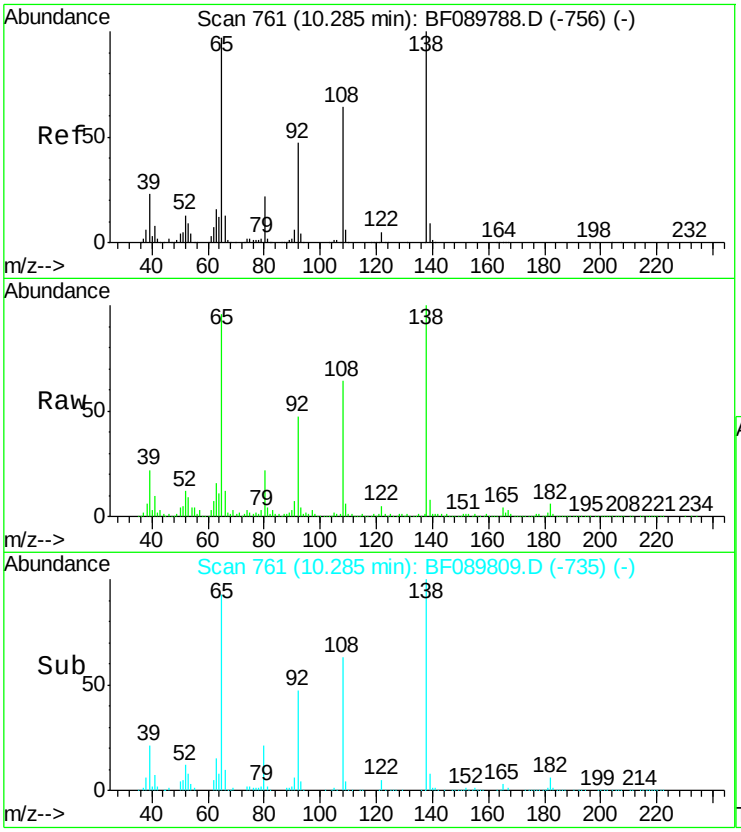


#60
4-Chlorophenyl-phenylether
Concen: 38.26 ng
RT: 10.26 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:204 Resp: 1015214

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	74.0	54.1	81.1



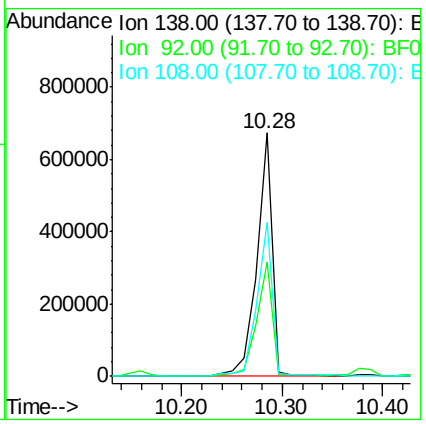


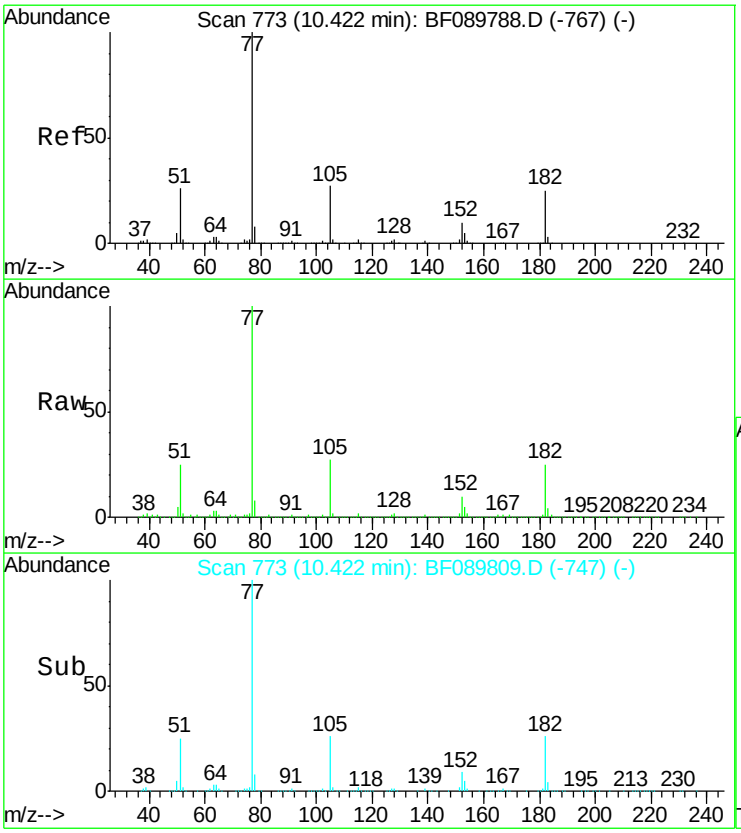
#61
4-Nitroaniline
Concen: 43.58 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:138 Resp: 702820

Ion	Ratio	Lower	Upper
138	100		
92	46.8	26.4	66.4
108	63.5	47.0	87.0

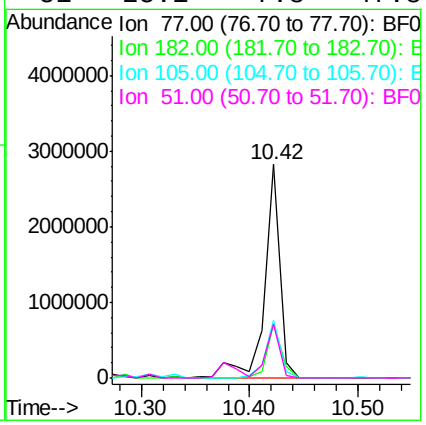


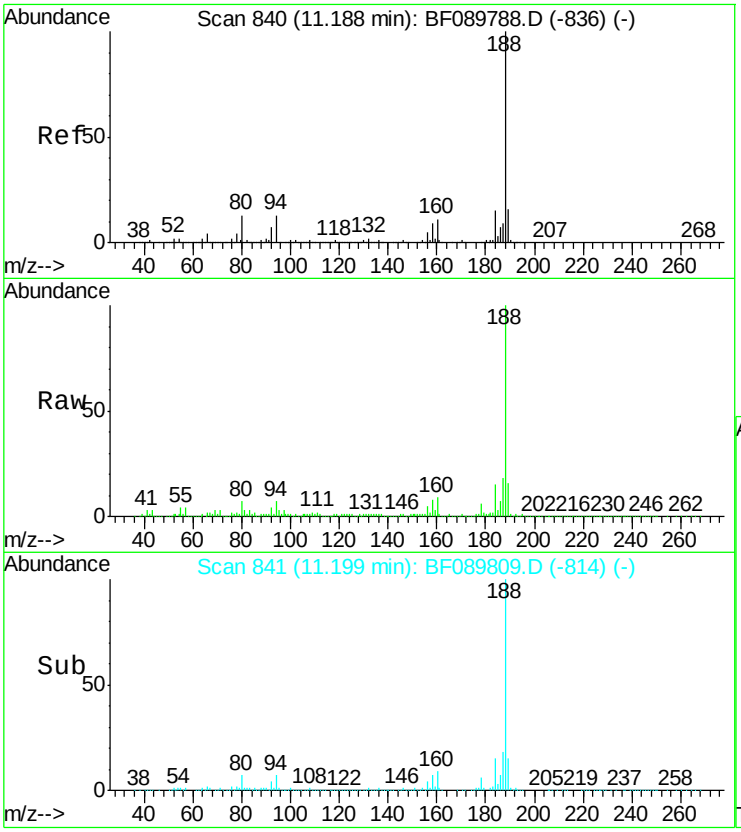


#62
Azobenzene
Concen: 43.63 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion: 77 Resp: 2802593

Ion	Ratio	Lower	Upper
77	100		
182	25.5	5.6	45.6
105	26.7	4.0	44.0
51	25.1	7.8	47.8



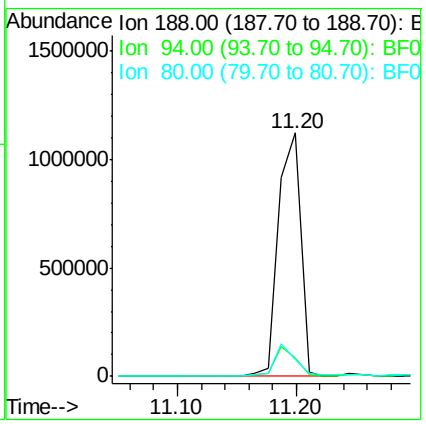


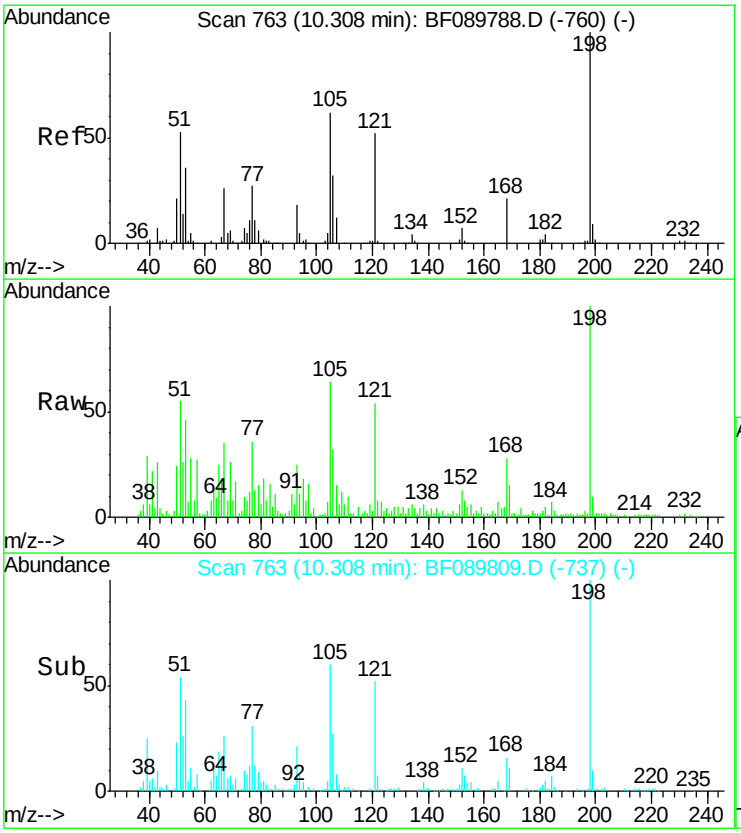
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:188 Resp: 1458268

Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.2	15.2#
80	6.9	10.9	16.3#

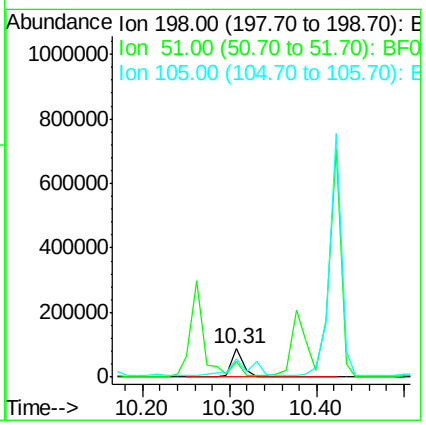


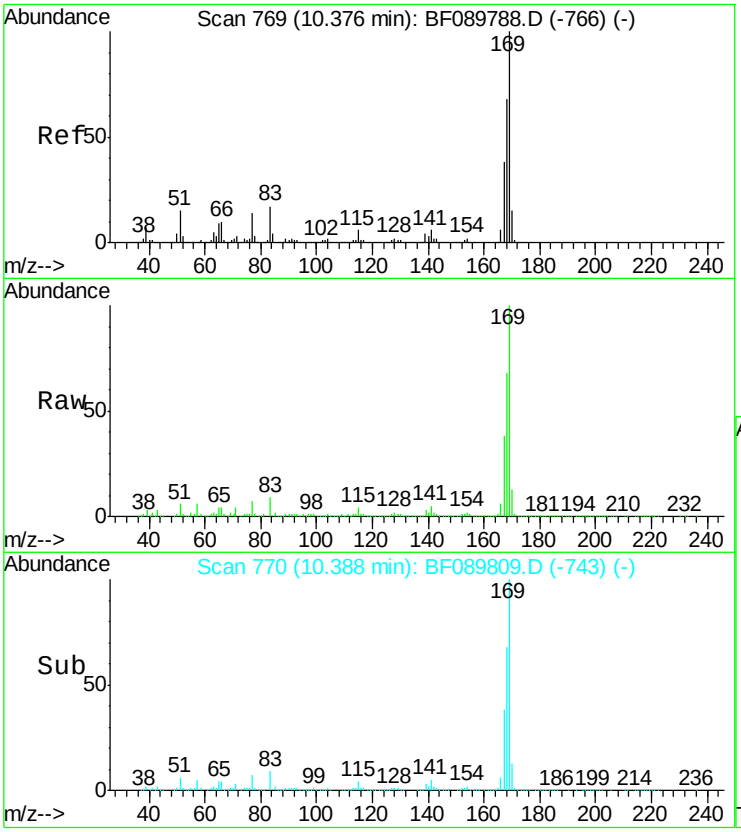


#64
4,6-Dinitro-2-methylphenol
Concen: 9.84 ng
RT: 10.31 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:198 Resp: 82421

Ion	Ratio	Lower	Upper
198	100		
51	55.0	32.3	72.3
105	63.5	32.9	72.9



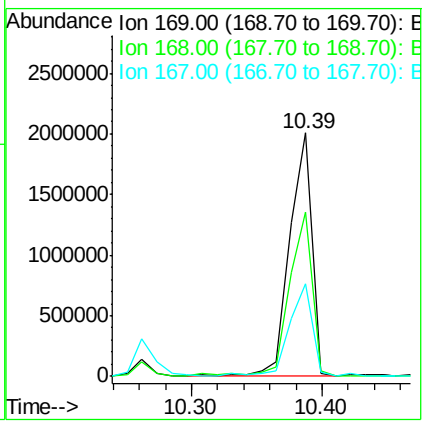


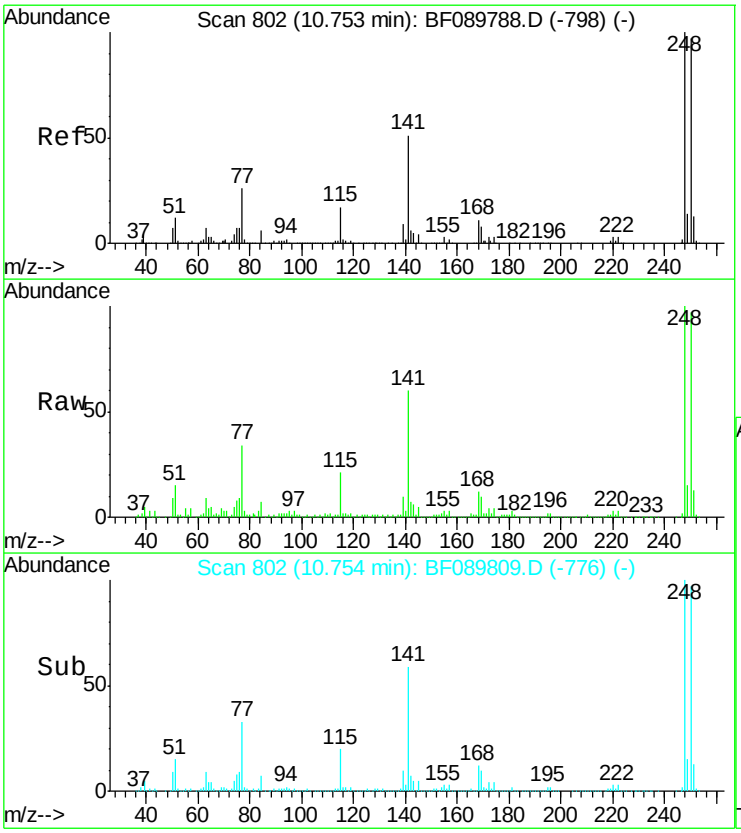
#65
n-Nitrosodiphenylamine
Concen: 52.41 ng
RT: 10.39 min Scan# 770
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:169 Resp: 2402941

Ion	Ratio	Lower	Upper
169	100		
168	67.7	54.6	82.0
167	38.1	30.6	45.8

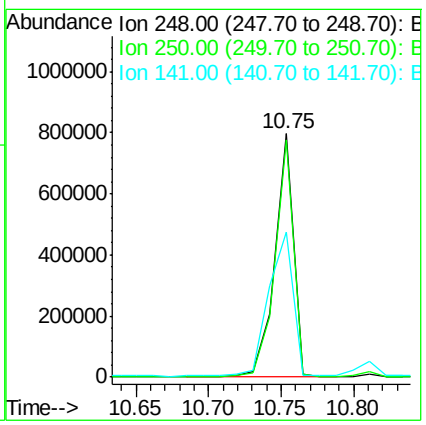


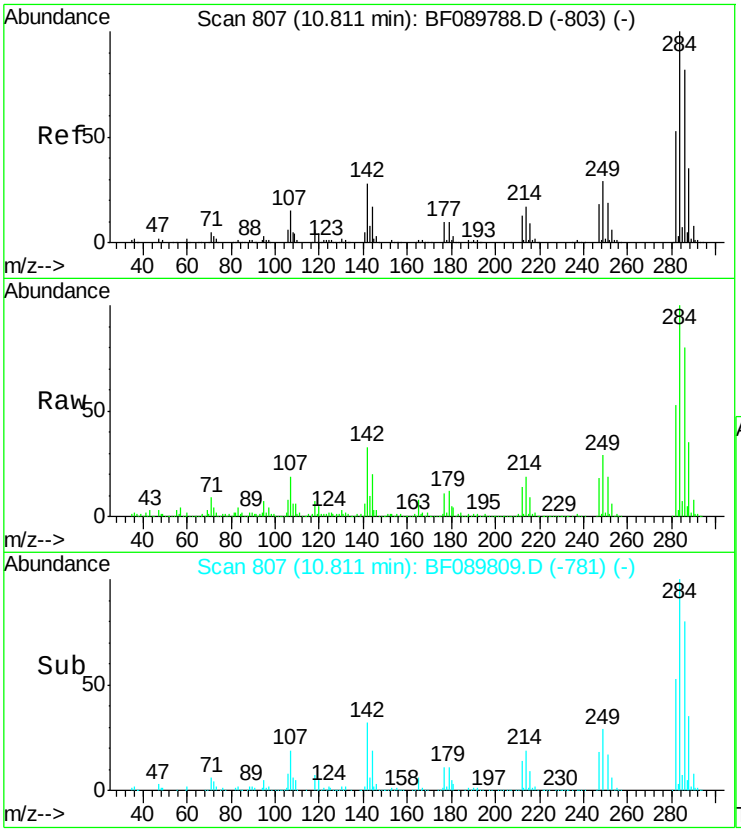


#66
4-Bromophenyl-phenylether
Concen: 46.57 ng
RT: 10.75 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:248 Resp: 712090

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.6	117.8
141	59.7	31.4	47.2#



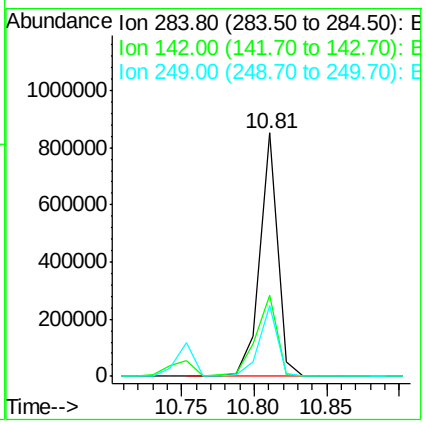


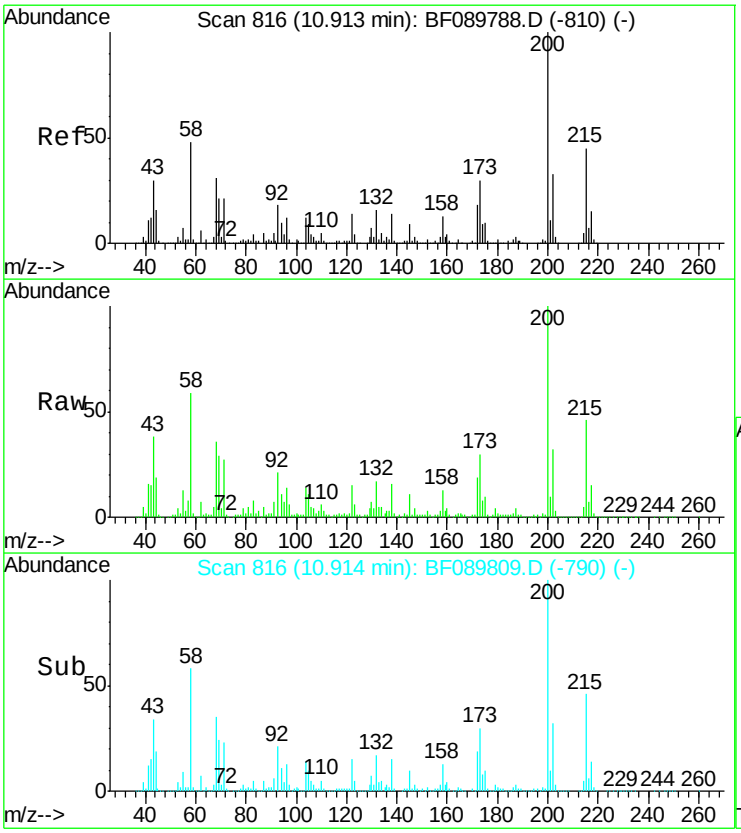
#67
Hexachlorobenzene
Concen: 41.53 ng
RT: 10.81 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:284 Resp: 724271

Ion	Ratio	Lower	Upper
284	100		
142	33.2	17.4	26.2#
249	29.2	22.8	34.2

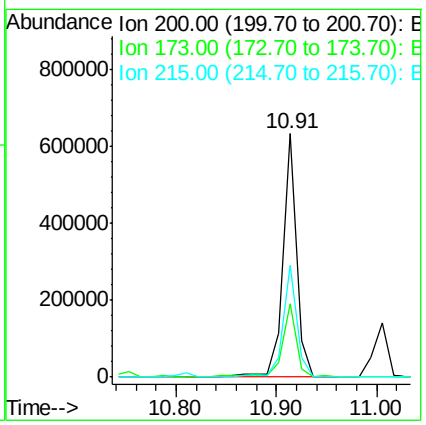


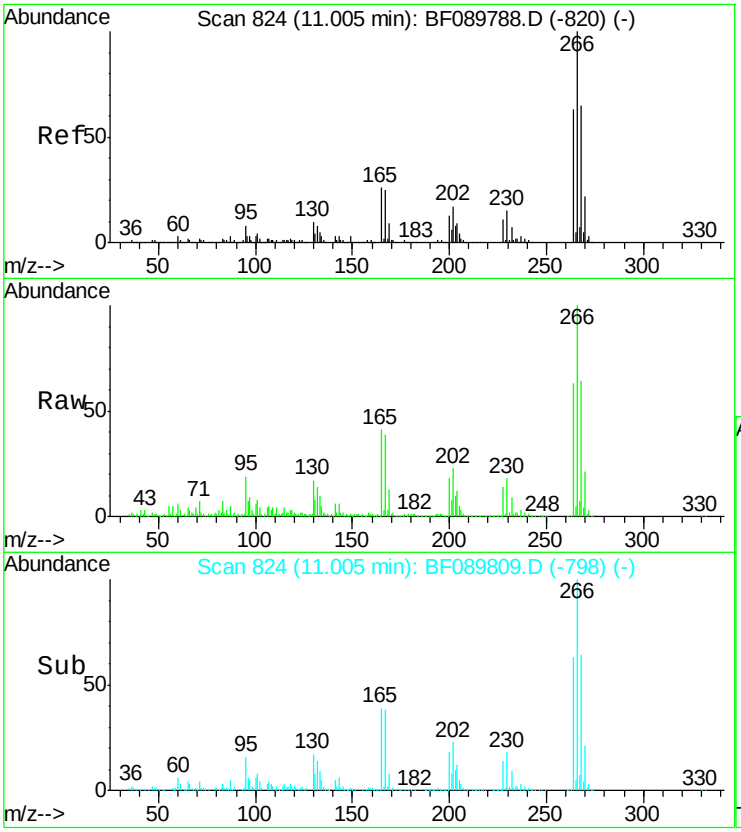


#68
Atrazine
Concen: 42.39 ng
RT: 10.91 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:200 Resp: 595228

Ion	Ratio	Lower	Upper
200	100		
173	30.3	6.6	46.6
215	45.7	24.7	64.7



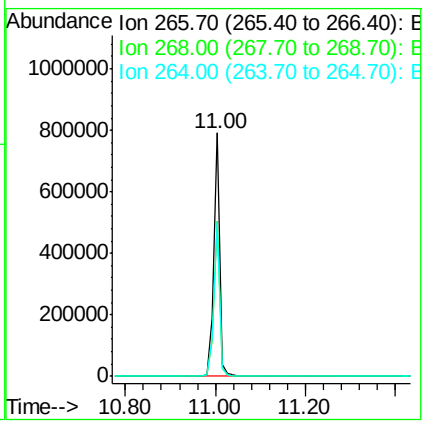


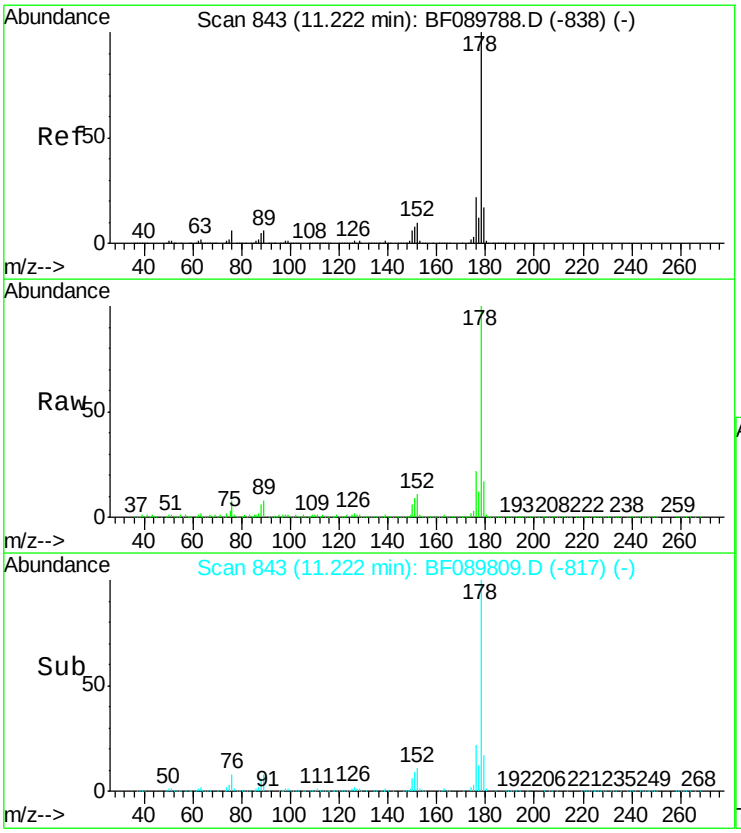
#69
Pentachlorophenol
Concen: 74.25 ng
RT: 11.00 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:266 Resp: 734005

Ion	Ratio	Lower	Upper
266	100		
268	63.7	53.2	79.8
264	63.2	51.1	76.7

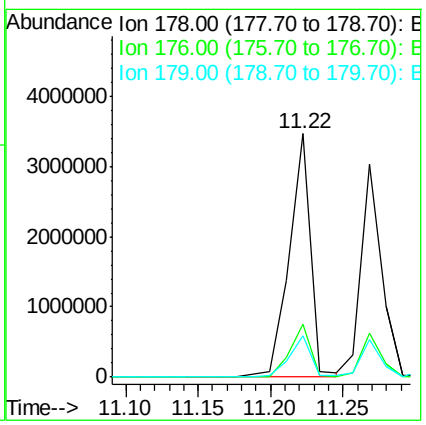


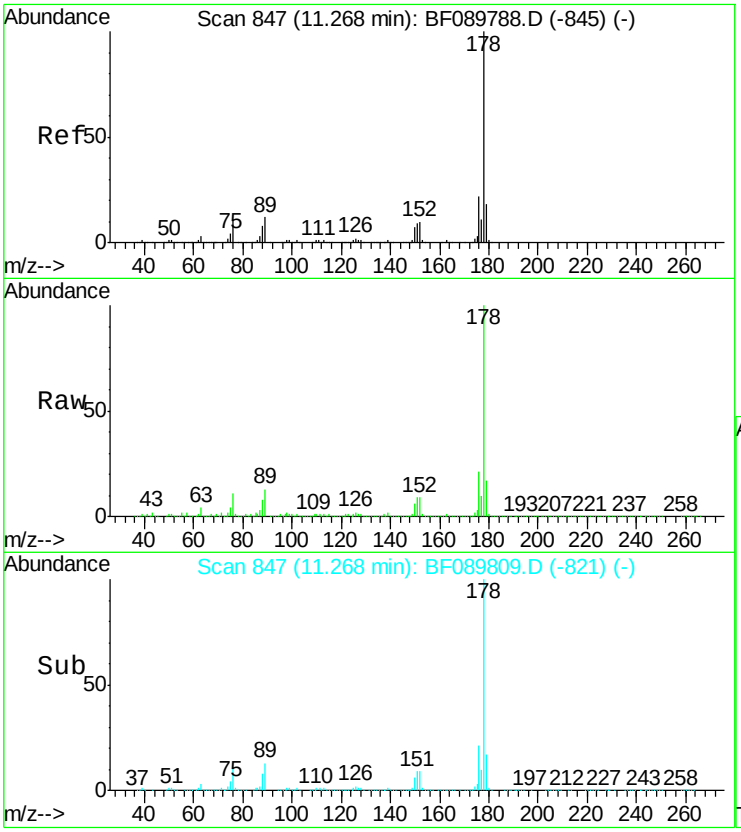


#70
Phenanthrene
Concen: 47.39 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:178 Resp: 3490026

Ion	Ratio	Lower	Upper
178	100		
176	21.8	16.4	24.6
179	17.2	12.5	18.7



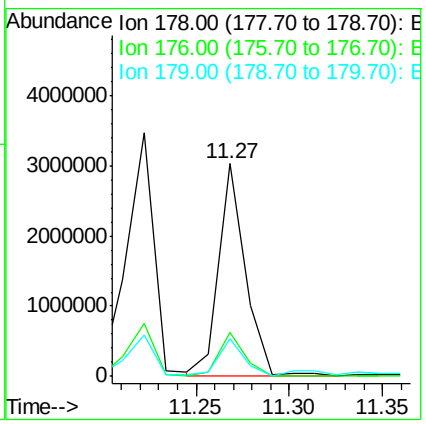


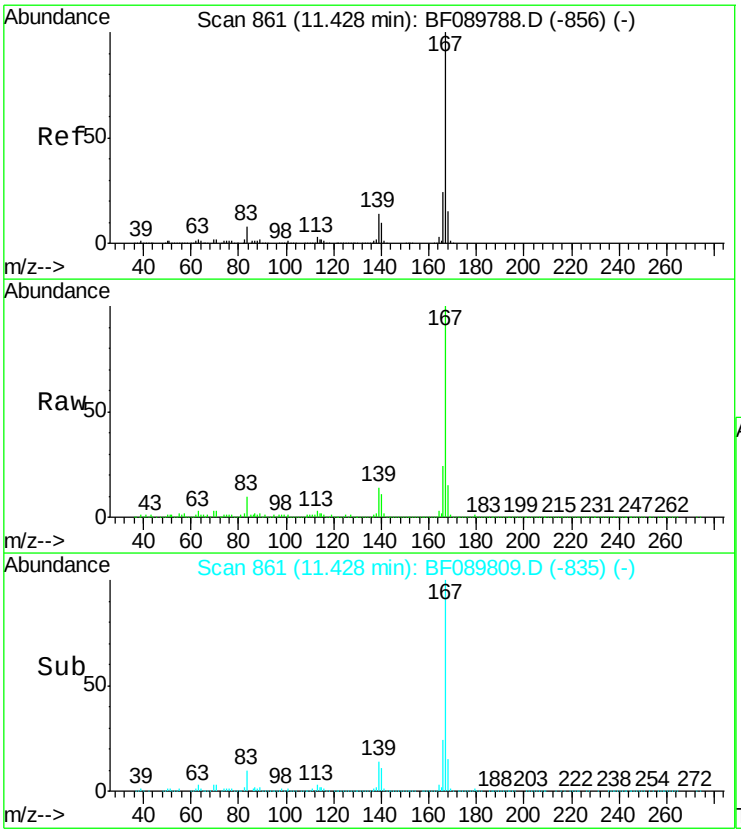
#71
Anthracene
Concen: 40.10 ng
RT: 11.27 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:178 Resp: 3002156

Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.4	24.6
179	17.4	13.1	19.7

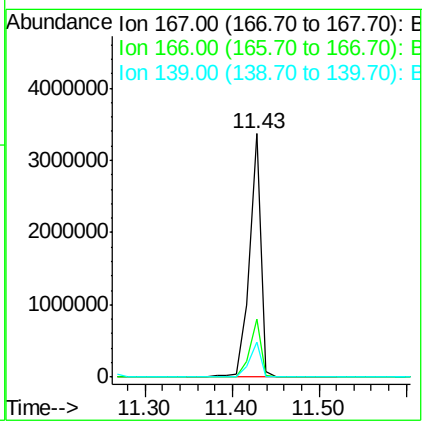


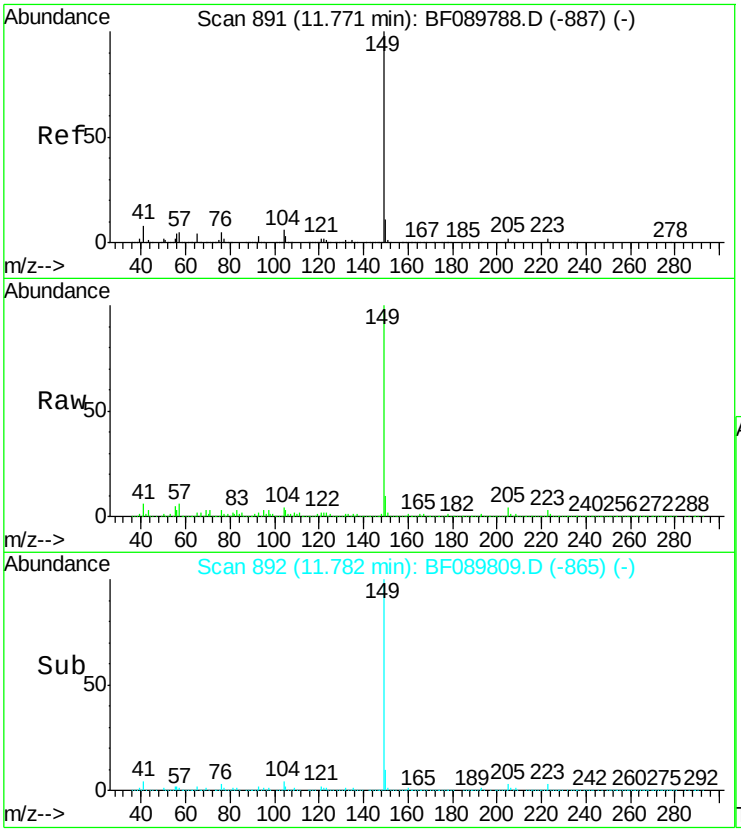


#72
Carbazole
Concen: 46.41 ng
RT: 11.43 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:167 Resp: 3116680

Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.9	26.9
139	14.4	12.4	18.6



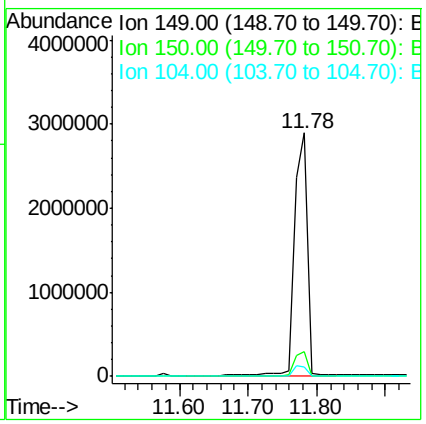


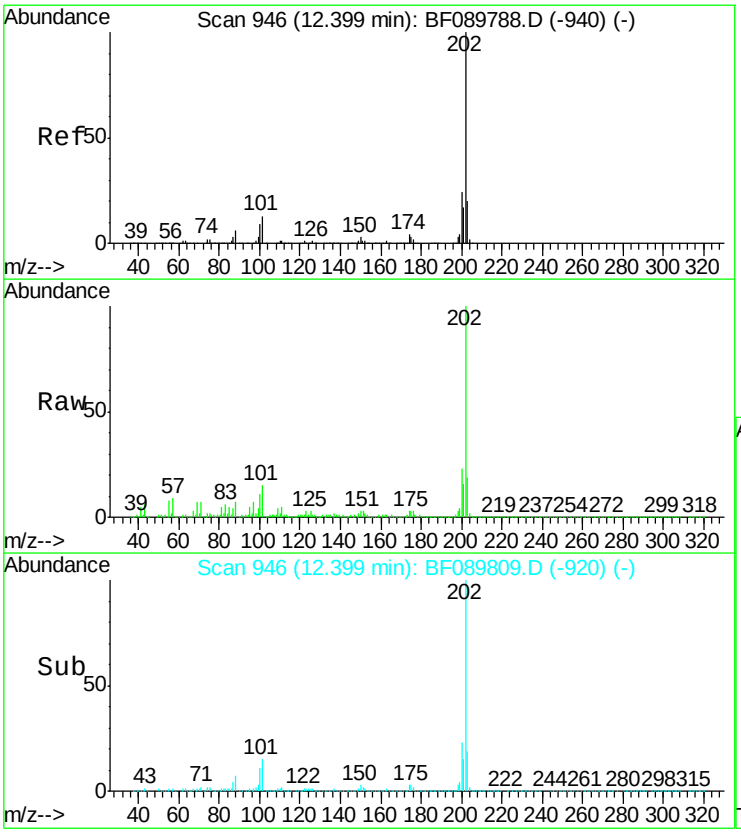
#73
Di-n-butylphthalate
Concen: 44.47 ng
RT: 11.78 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:149 Resp: 3736591

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.9	11.9
104	4.1	4.3	6.5#

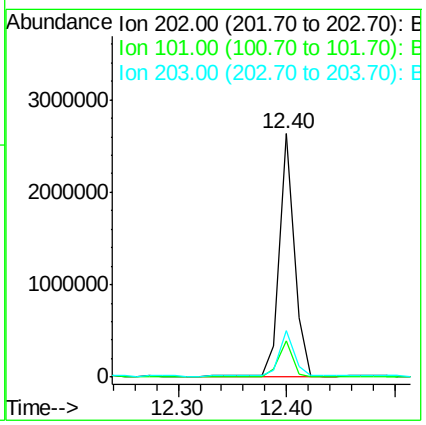


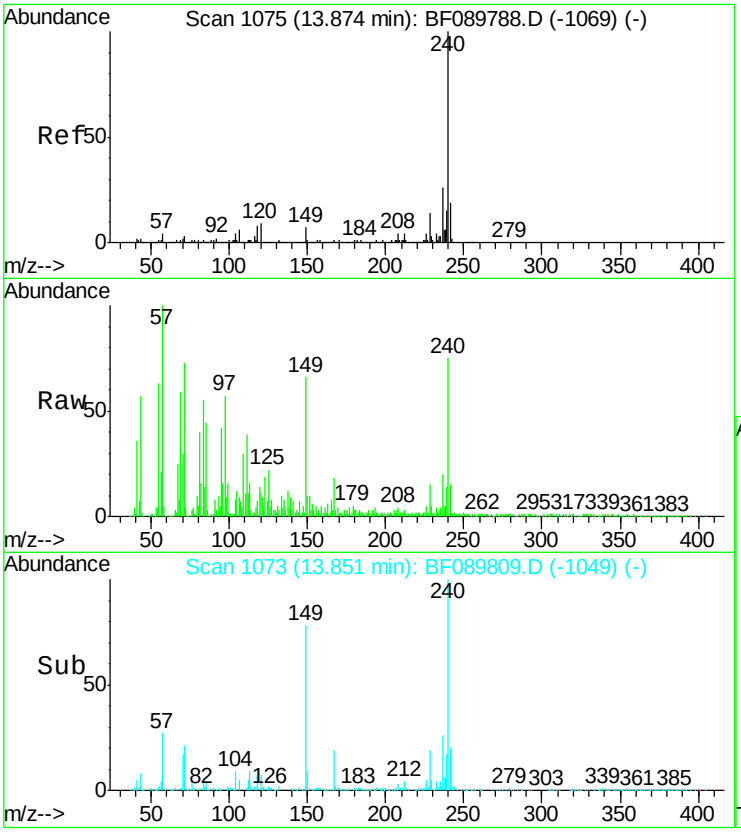


#74
Fluoranthene
Concen: 36.13 ng
RT: 12.40 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:202 Resp: 2530966

Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	31.2
203	19.2	0.0	38.1



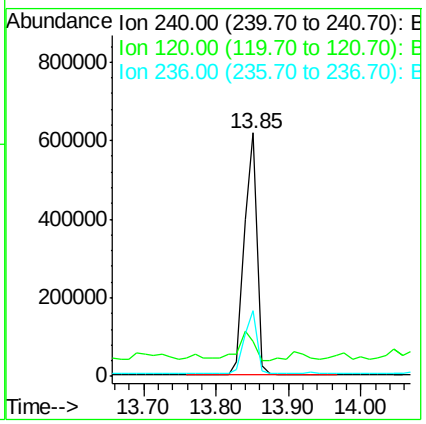


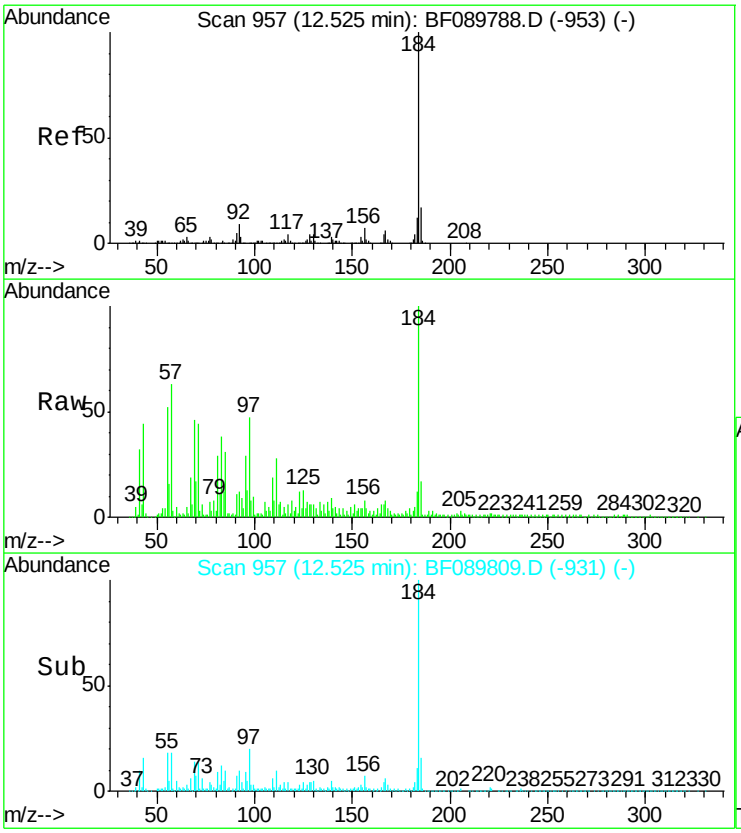
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:240 Resp: 747282

Ion	Ratio	Lower	Upper
240	100		
120	14.5	8.3	12.5#
236	27.0	21.3	31.9

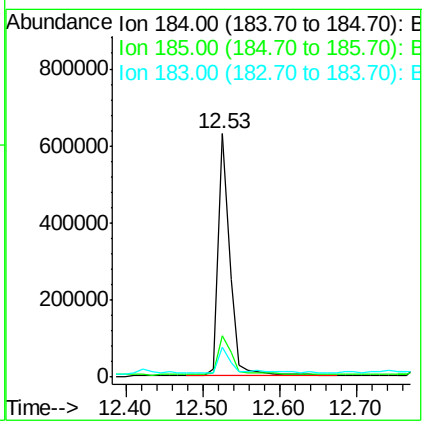


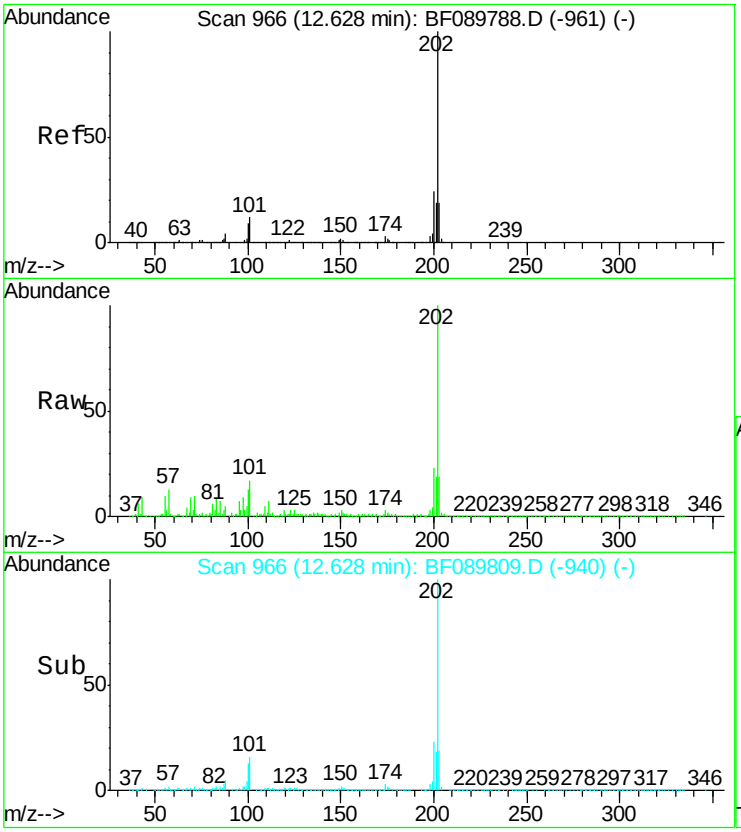


#76
Benzidine
Concen: 27.82 ng
RT: 12.53 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:184 Resp: 672674

Ion	Ratio	Lower	Upper
184	100		
185	16.9	13.8	20.8
183	12.3	9.7	14.5



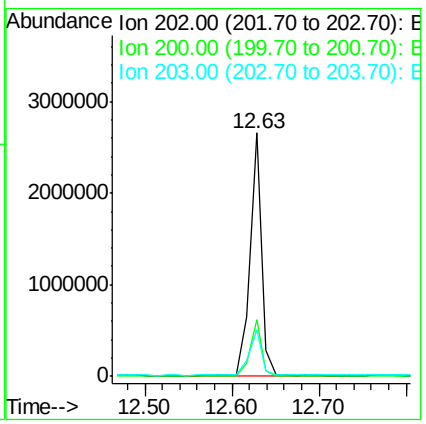


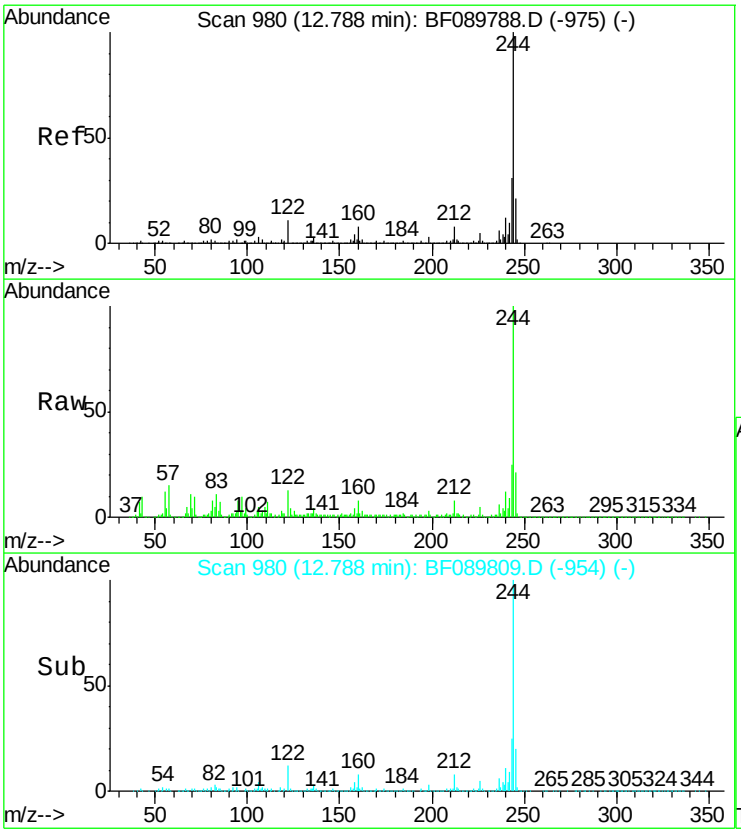
#77
Pyrene
Concen: 41.26 ng
RT: 12.63 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:202 Resp: 2511003

Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.8	26.6
203	19.3	14.2	21.4

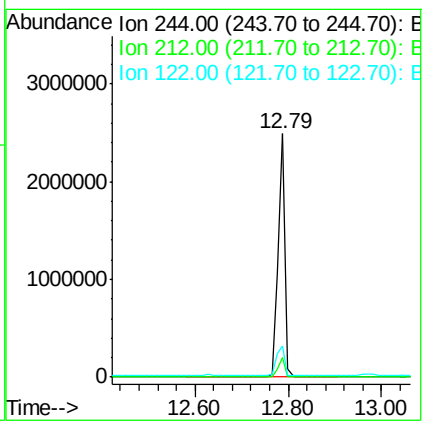


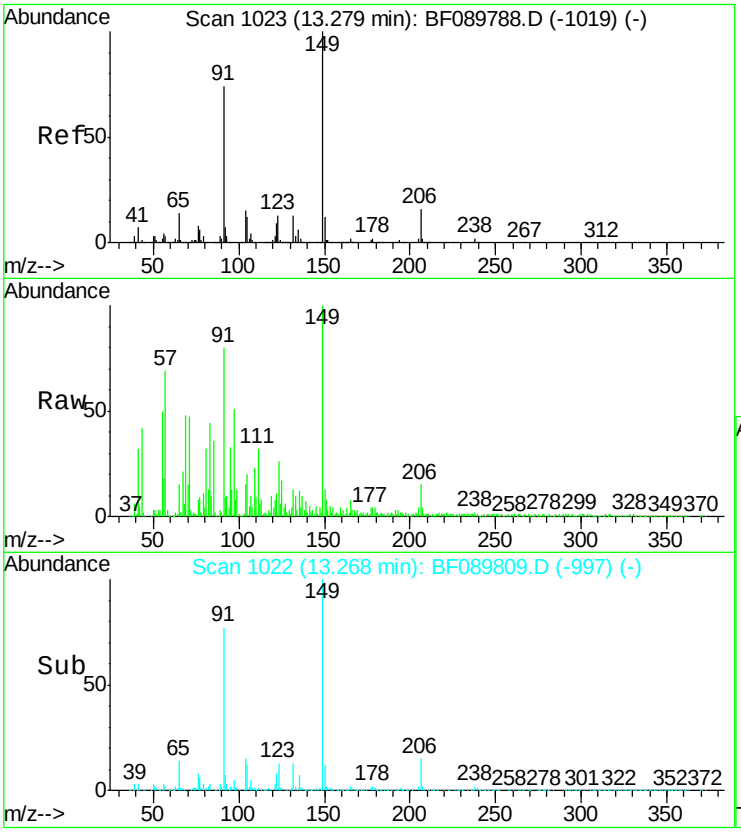


#78
Terphenyl-d14
Concen: 77.36 ng
RT: 12.79 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:244 Resp: 2555392

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	12.9	12.0	18.0



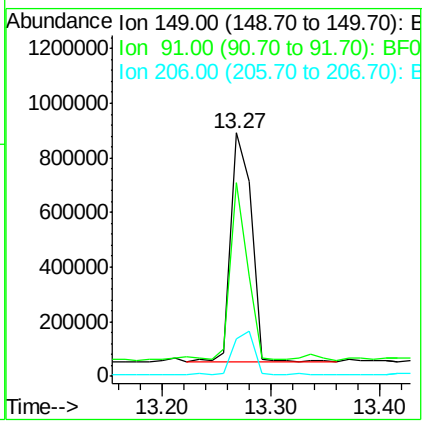


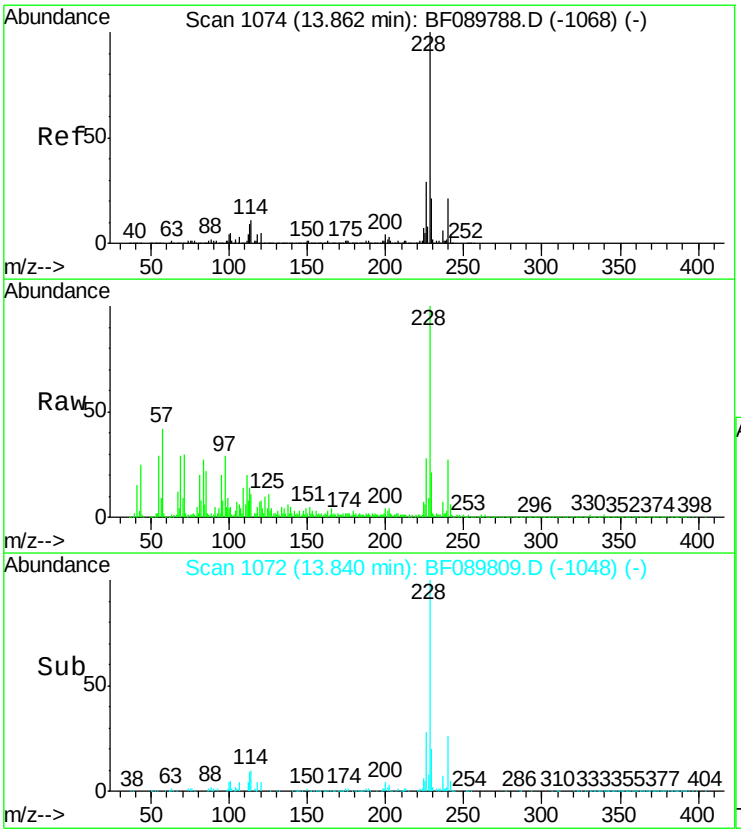
#79
Butylbenzylphthalate
Concen: 39.13 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:149 Resp: 1075283

Ion	Ratio	Lower	Upper
149	100		
91	79.6	50.7	76.1#
206	15.2	15.5	23.3#

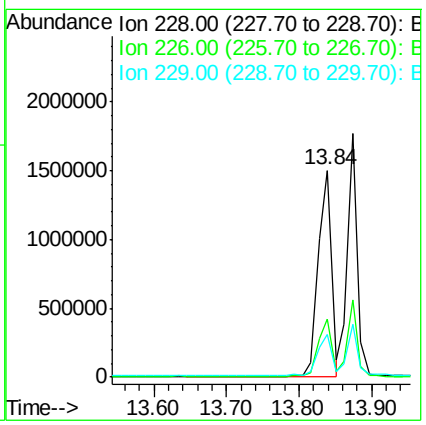


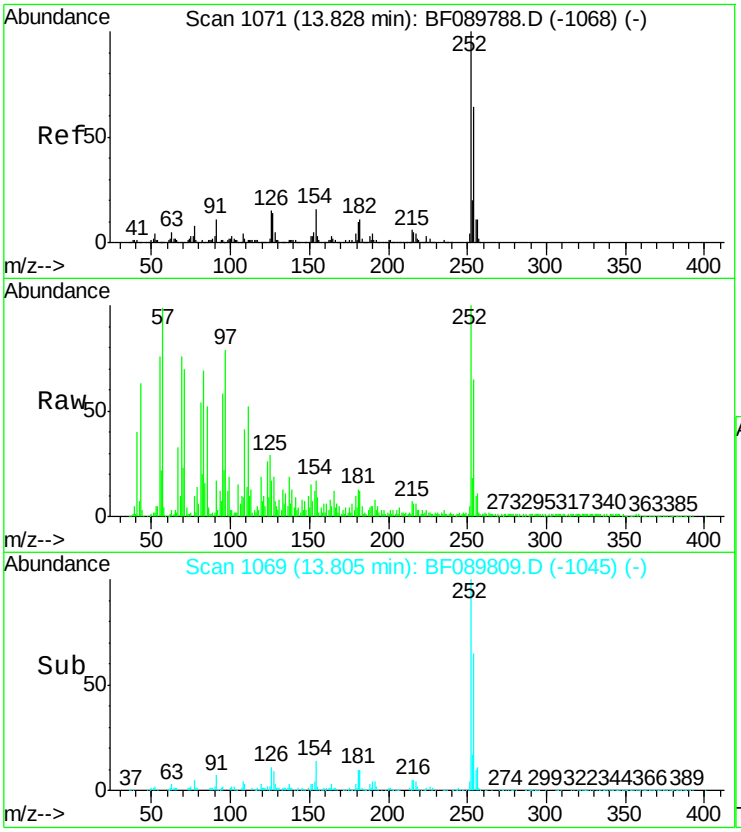


#80
Benzo(a)anthracene
Concen: 43.90 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.02 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:228 Resp: 1878801

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.2	34.8
229	20.6	16.2	24.4



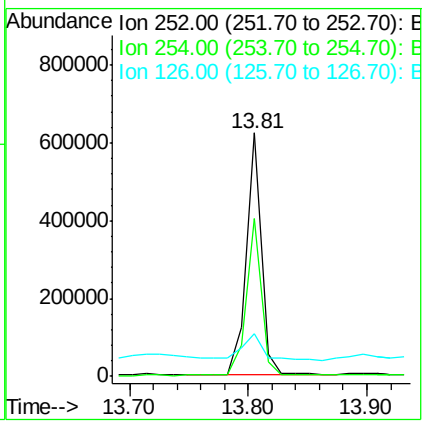


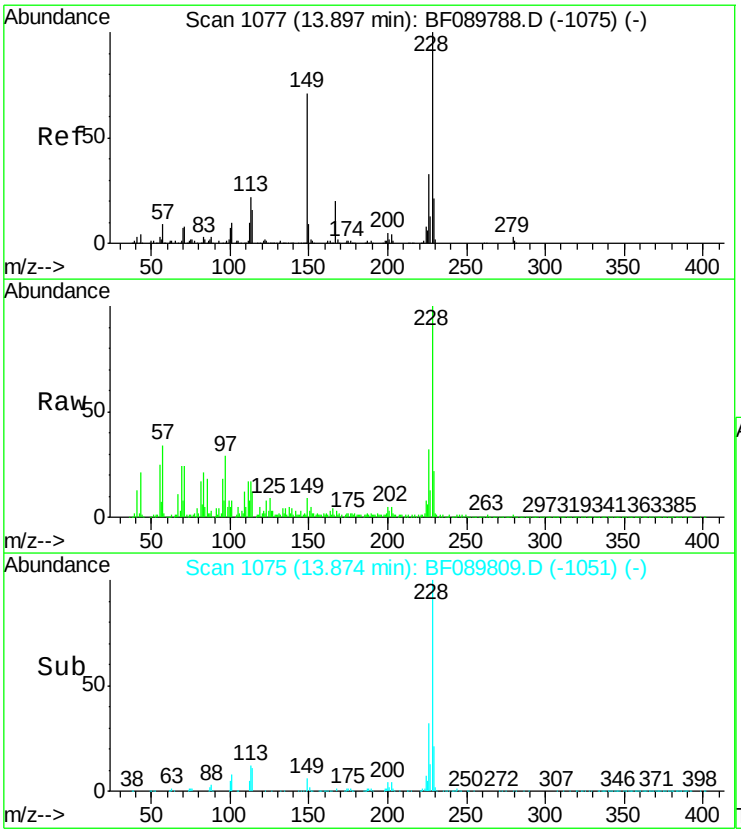
#81
3,3'-Dichlorobenzidine
Concen: 39.49 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.02 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:252 Resp: 554082

Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.6	75.8
126	17.5	12.6	18.8

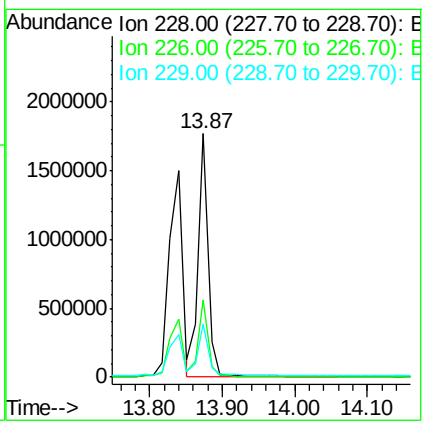


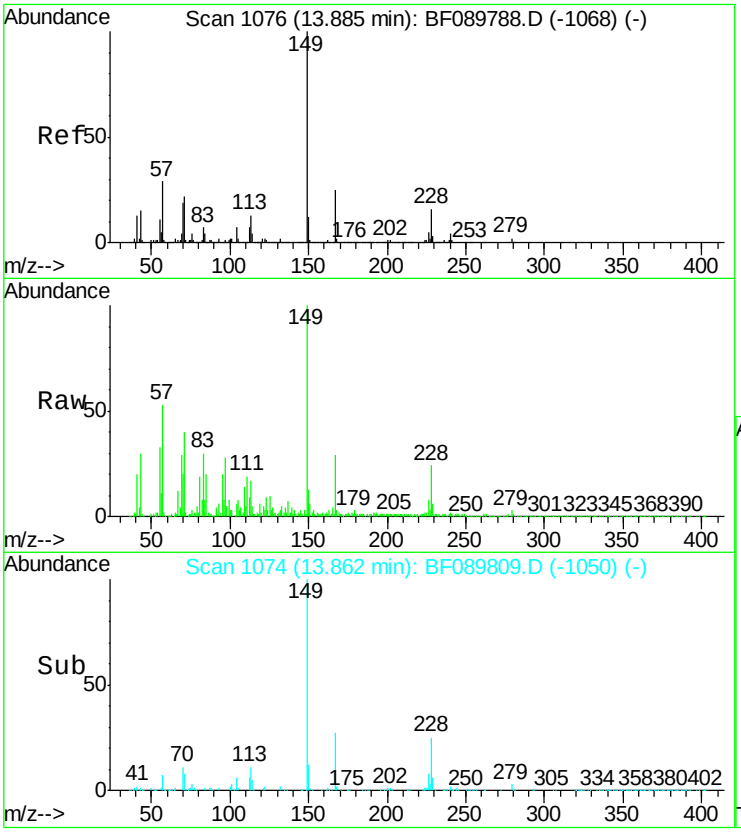


#82
Chrysene
Concen: 45.92 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.02 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:228 Resp: 1684850

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.4	38.0
229	21.7	16.5	24.7



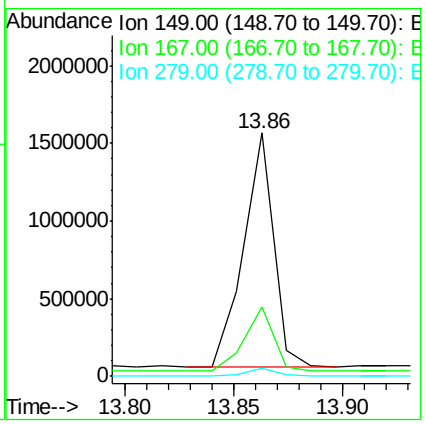


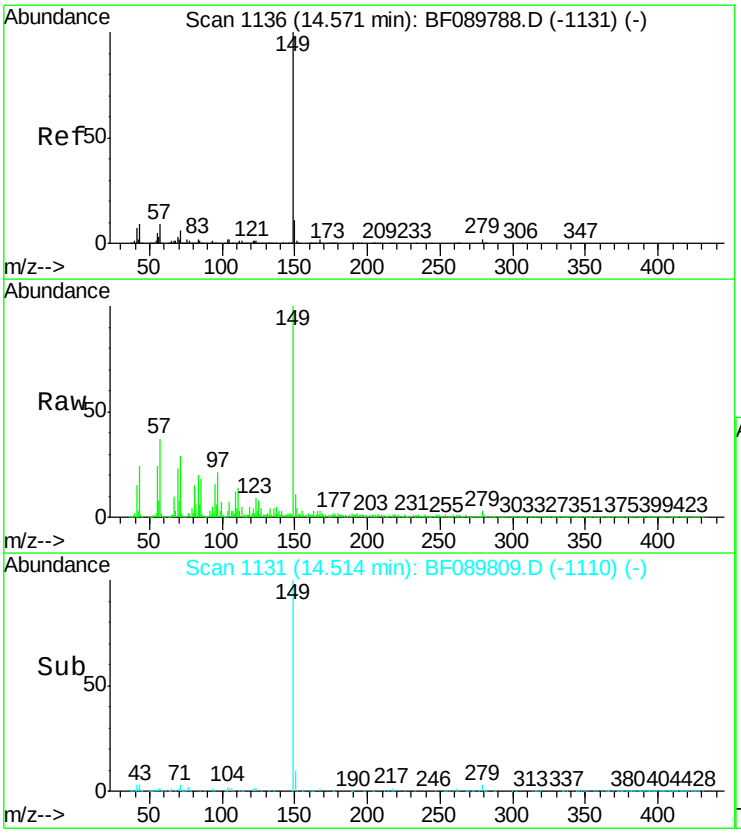
#83
Bis(2-ethylhexyl)phthalate
Concen: 37.95 ng
RT: 13.86 min Scan# 1074
Delta R.T. -0.02 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:149 Resp: 1436965

Ion	Ratio	Lower	Upper
149	100		
167	28.7	21.2	31.8
279	3.3	2.9	4.3

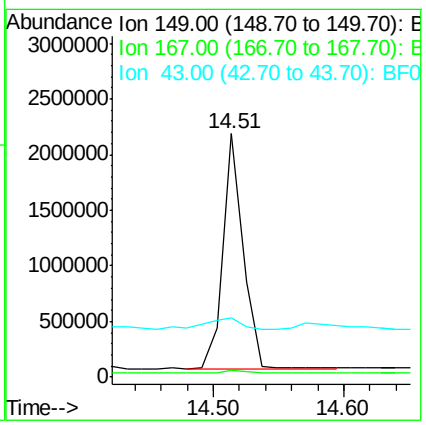


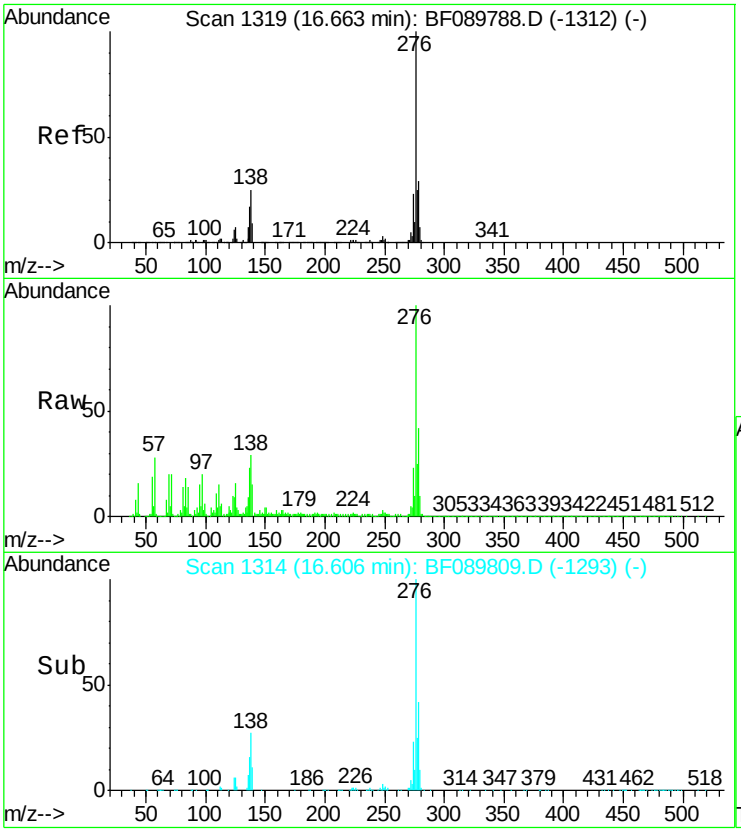


#84
Di-n-octyl phthalate
Concen: 45.03 ng
RT: 14.51 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:149 Resp: 2265428

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.5	8.4	12.6



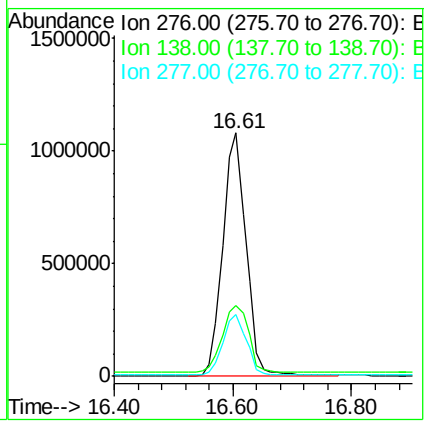


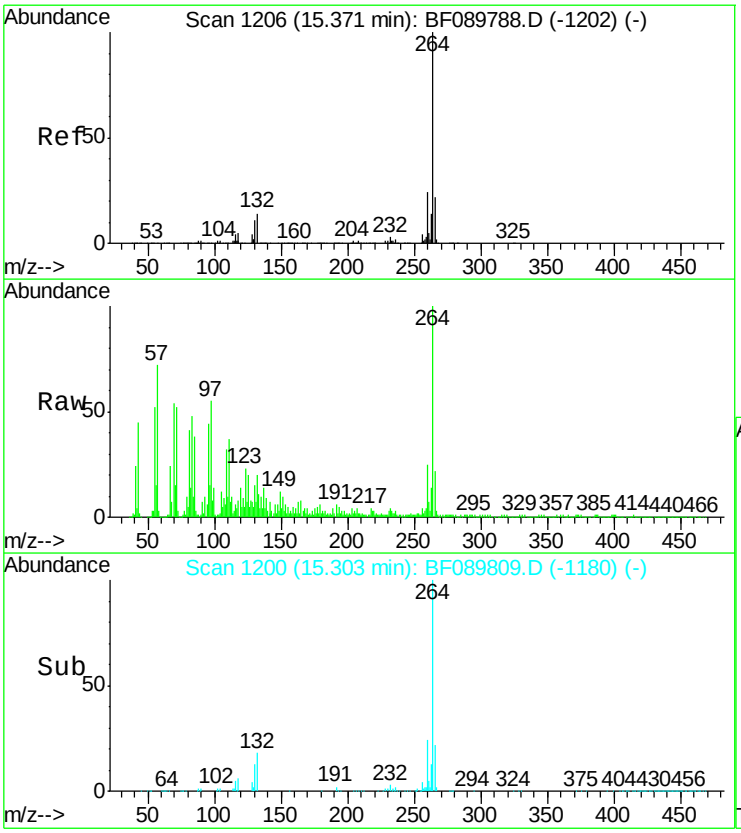
#85
Indeno(1,2,3-cd)pyrene
Concen: 62.42 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.06 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:276 Resp: 2921977

Ion	Ratio	Lower	Upper
276	100		
138	30.8	24.6	36.8
277	25.3	20.4	30.6

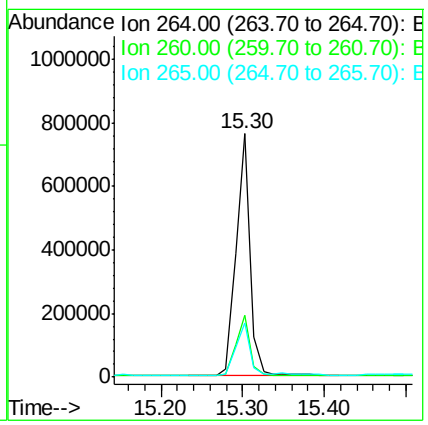


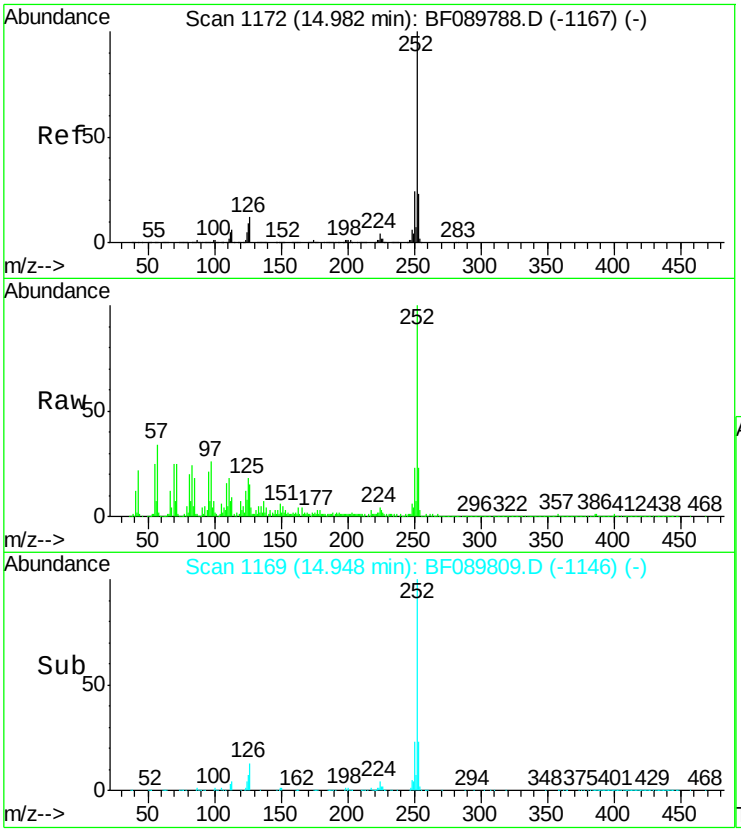


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.07 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:264 Resp: 908612

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	22.3	17.4	26.2



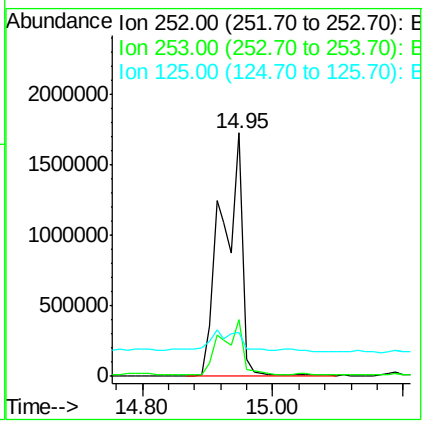


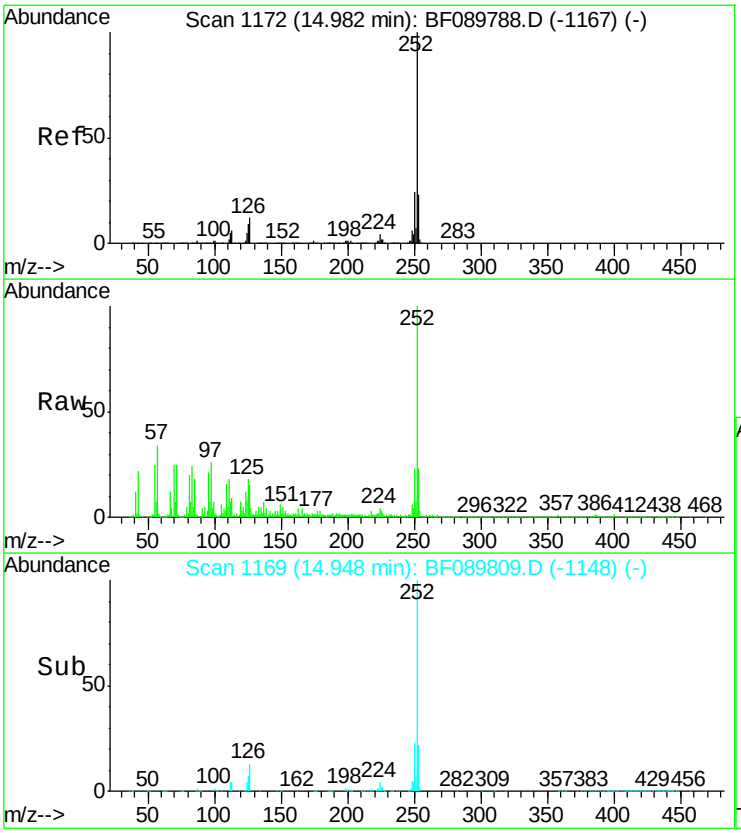
#87
Benzo(b)fluoranthene
Concen: 75.20 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:252 Resp: 3758673

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	18.2	11.4	17.2#

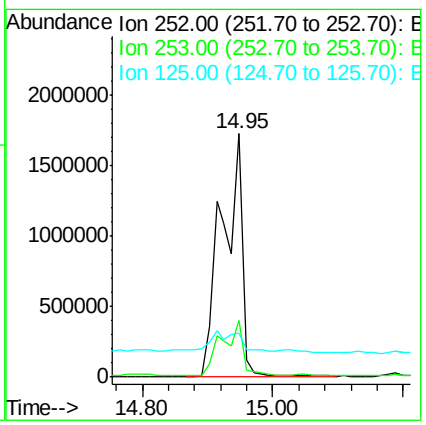


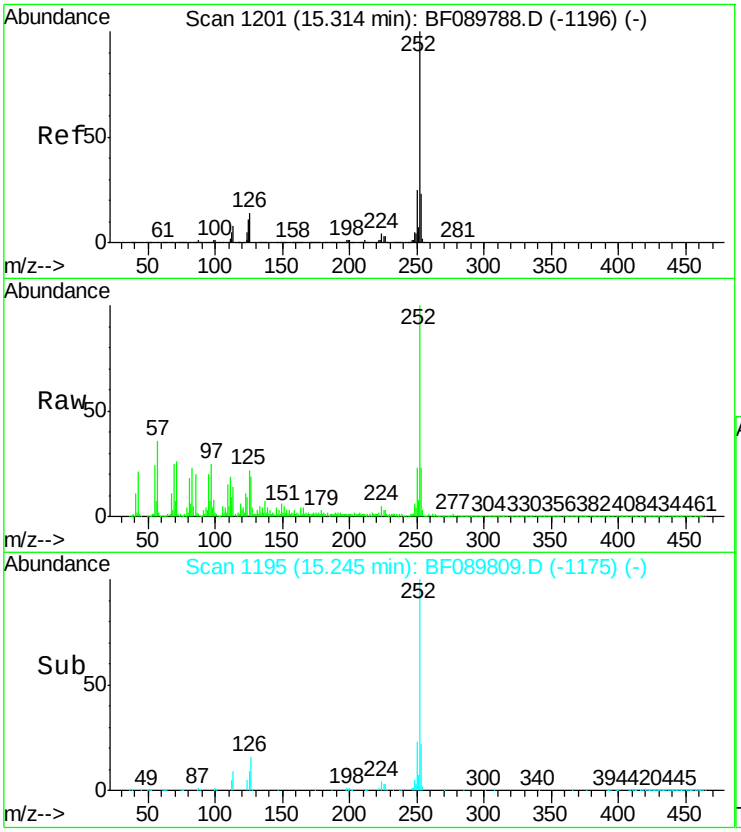


#88
Benzo(k)fluoranthene
Concen: 82.88 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:252 Resp: 3758673

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	18.2	9.8	14.6#



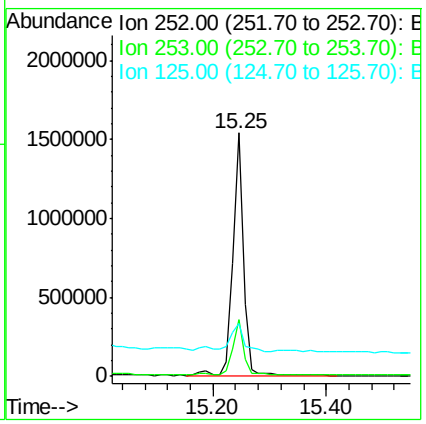


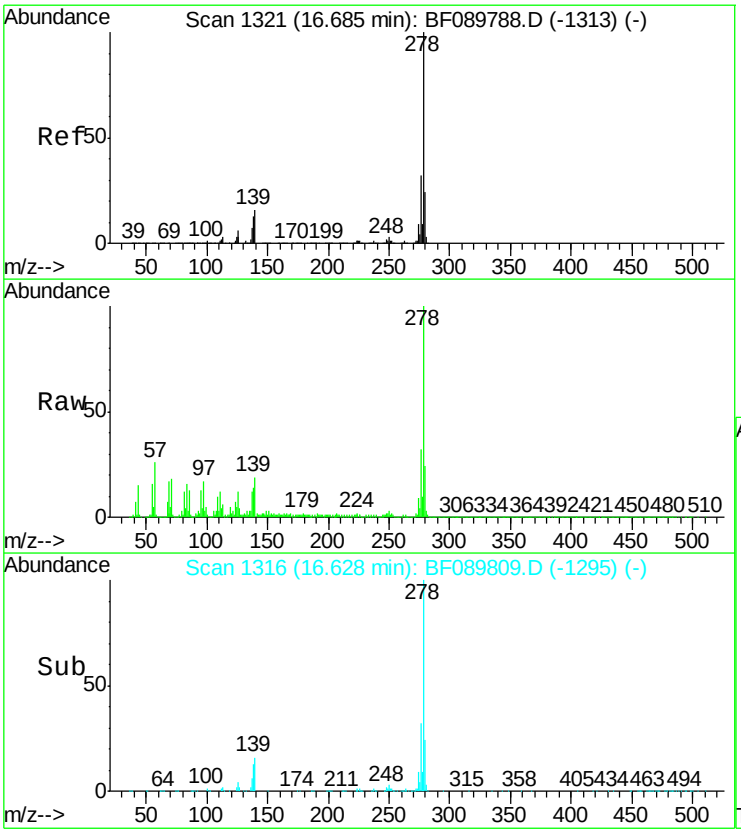
#89
Benzo(a)pyrene
Concen: 42.43 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.07 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:252 Resp: 2007503

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	21.9	11.7	17.5#

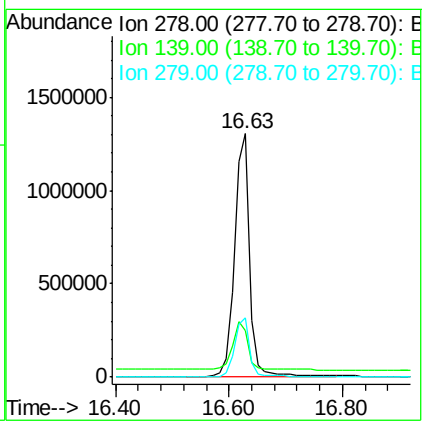


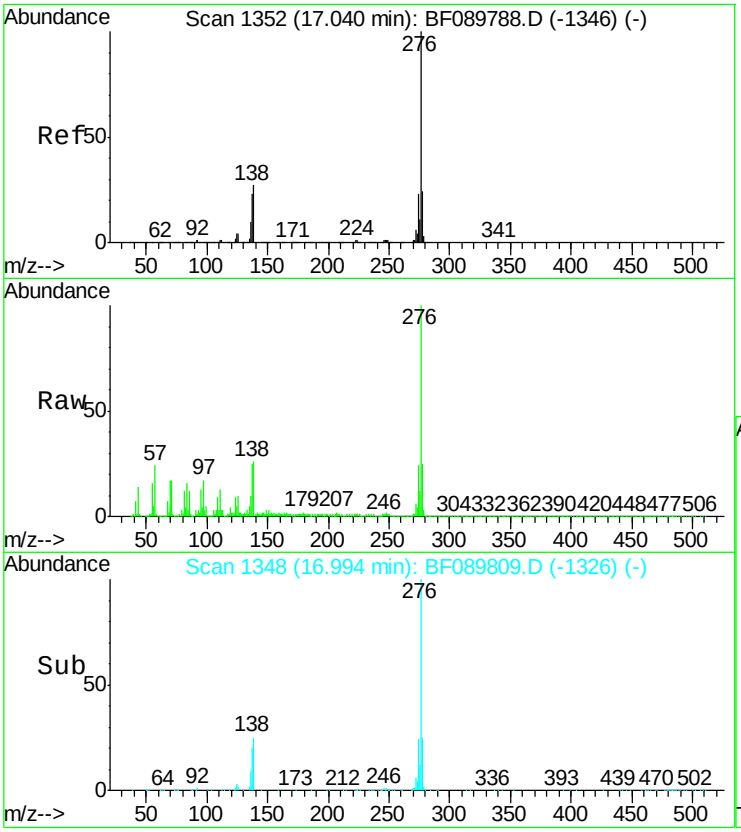


#90
Dibenzo(a,h)anthracene
Concen: 46.86 ng
RT: 16.63 min Scan# 1316
Delta R.T. -0.06 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Tgt Ion:278 Resp: 2406493

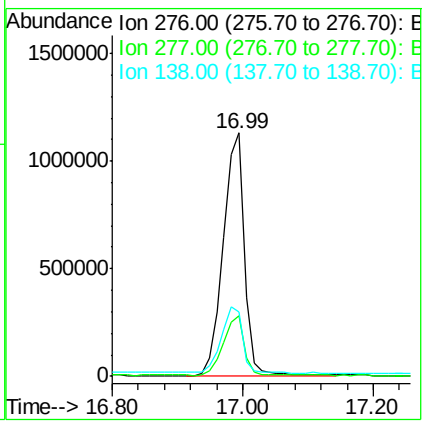
Ion	Ratio	Lower	Upper
278	100		
139	19.3	14.9	22.3
279	24.2	19.2	28.8





#91
Benzo(g,h,i)perylene
Concen: 46.79 ng
RT: 16.99 min Scan# 1348
Delta R.T. -0.05 min
Lab File: BF089809.D
Acq: 19 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
I-3MSD

Tgt Ion:276 Resp: 2530216

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	26.3	22.1	33.1