Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Time: Nov 22 02:16:24 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 00:44:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	192773	20.00	ng		0.00
21) Naphthalene-d8	7.86	136	583765	20.00	ng		0.00
38) Acenaphthene-d10	9.62	164	399040	20.00	ng		0.01
63) Phenanthrene-d10	11.09	188	716921	20.00	ng		0.01
75) Chrysene-d12	13.71	240	609334	20.00	ng		0.00
86) Perylene-d12	15.07	264	476560	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	3641	0.31	ng		0.15
7) Phenol-d6	6.26	99	31461	2.27	ng		0.02
23) Nitrobenzene-d5	7.10	82	20753	1.96	ng		-0.05
41) 2,4,6-Tribromophenol	10.41	330	7419	1.99	ng		0.01
44) 2-Fluorobiphenyl	8.94	172	85741	3.75	ng		0.00
78) Terphenyl-d14	12.67	244	57476	2.14	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.09	77	51832	7.45	ng	#	1
18) Hexachloroethane	7.07	117	32969	6.31	ng	#	1
19) n-Nitroso-di-n-propylamine	6.98	70	40409	3.99	ng	#	33
22) Acetophenone	6.98	105	119208	8.57	ng	#	1
24) Nitrobenzene	7.12	77	44838	3.80	ng	#	29
25) Isophorone	7.38	82	69161	3.46	ng	#	1
27) 2,4-Dimethylphenol	7.50	122	16265	2.05	ng	#	1
31) Naphthalene	7.88	128	837238	30.70	ng	#	94
32) Benzoic acid	7.65	122	9677	5.27	ng	#	1
35) Caprolactam	8.32	113	216446	97.37	ng	#	44
36) 4-Chloro-3-methylphenol	8.38	107	45633	5.27	ng	#	30
37) 2-Methylnaphthalene	8.59	142	2878537	157.39	ng	#	95
45) 1,1'-Biphenyl	9.05	154	262679	8.63	ng		95
47) 2-Nitroaniline	9.22	65	43727	5.20	ng	#	29
48) Acenaphthylene	9.48	152	92850	2.72	ng	#	1
50) 2,6-Dinitrotoluene	9.42	165	31503	5.52	ng	#	55
51) Acenaphthene	9.65	154	115956	5.49	ng	#	75
52) 3-Nitroaniline	9.60	138	16389	2.69	ng	#	32
53) 2,4-Dinitrophenol	9.68	184	3394	7.62	ng	#	1
54) Dibenzofuran	9.82	168	145006	4.93	ng	#	1
55) 4-Nitrophenol	9.73	139	130683	46.72	ng	#	46
56) 2,4-Dinitrotoluene	9.82	165	66274	9.22	ng	#	39
57) Fluorene	10.17	166	274549	11.53	ng	#	88
61) 4-Nitroaniline	10.02	138	14199	2.27	ng		87
65) n-Nitrosodiphenylamine	10.28	169	526785	24.39	ng	#	42
70) Phenanthrene	11.12	178	679978	18.05	ng		98
71) Anthracene	11.12	178	679978	18.11	ng		98

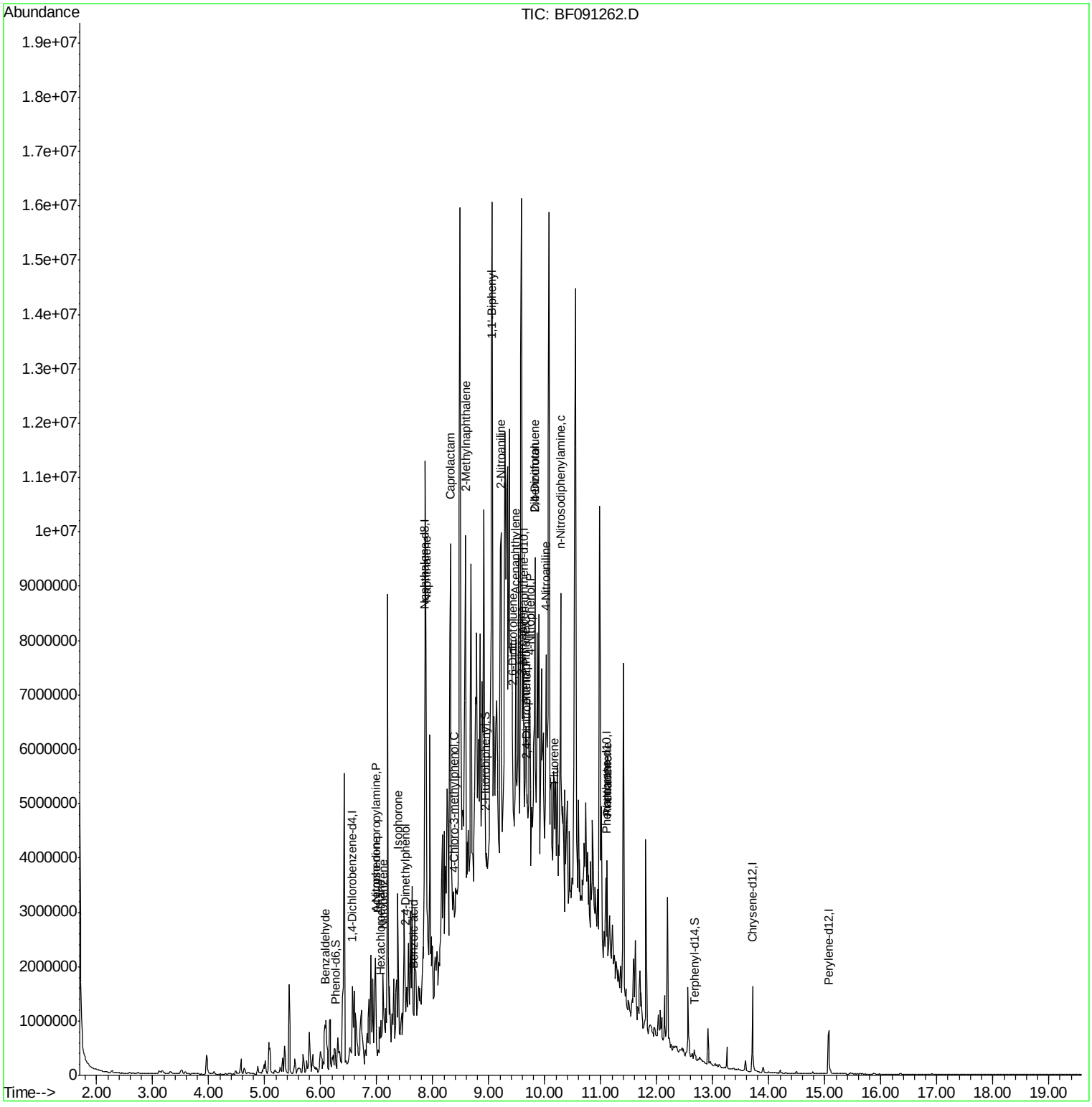
(#) = qualifier out of range (m) = manual integration (+) = signals summed

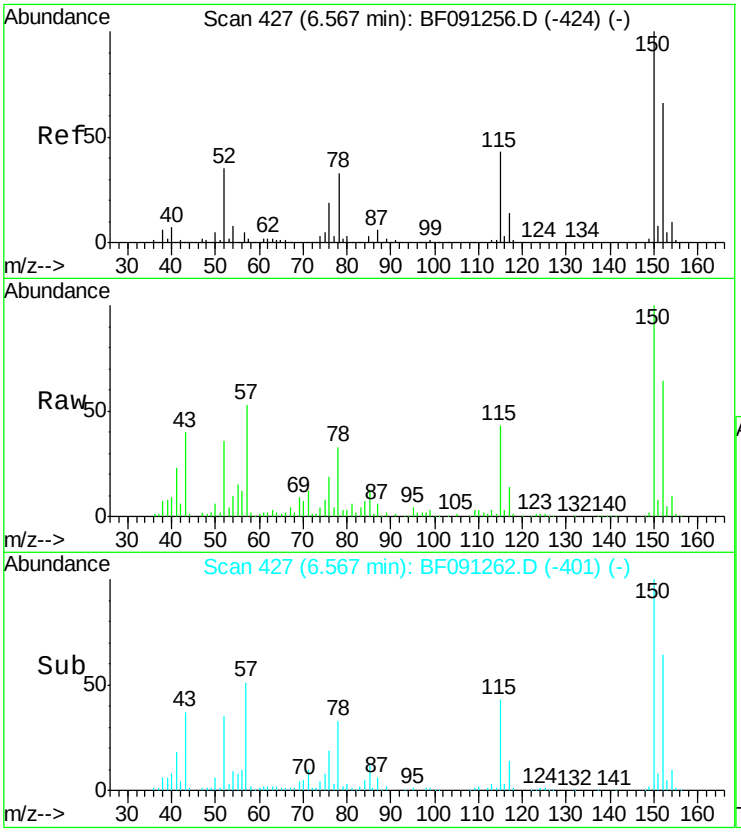
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Quant Time: Nov 22 02:16:24 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 00:44:52 2016
Response via : Initial Calibration



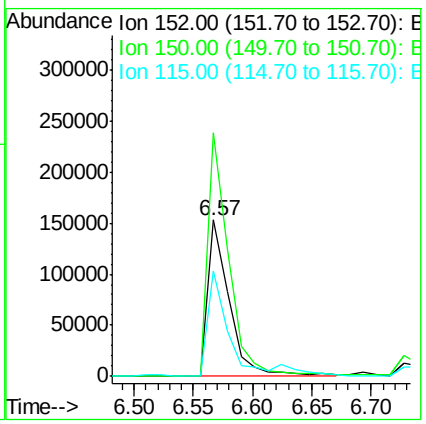


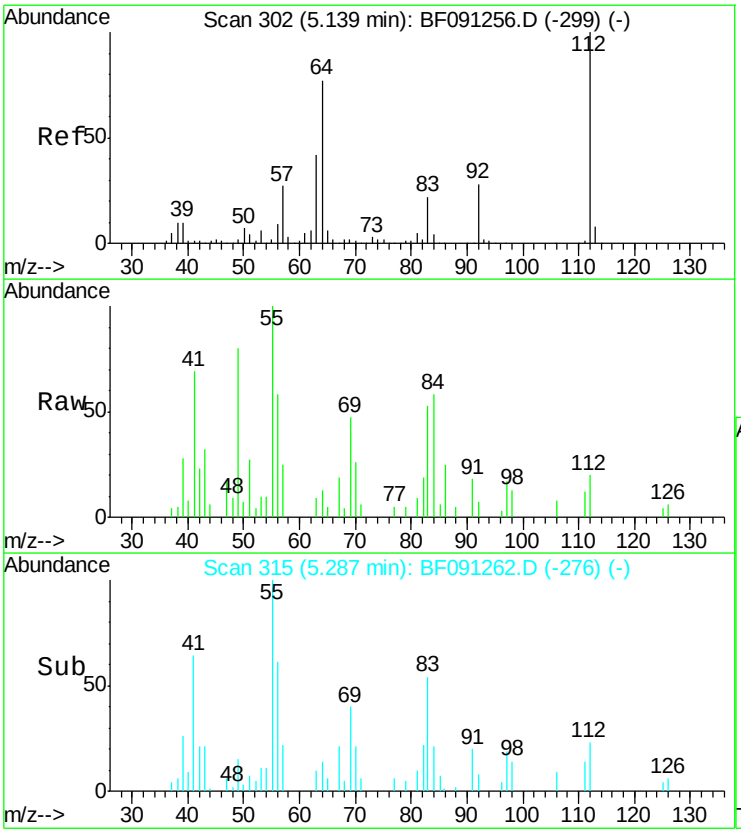
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:152 Resp: 192773

Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.5	183.7
115	67.4	51.8	77.8

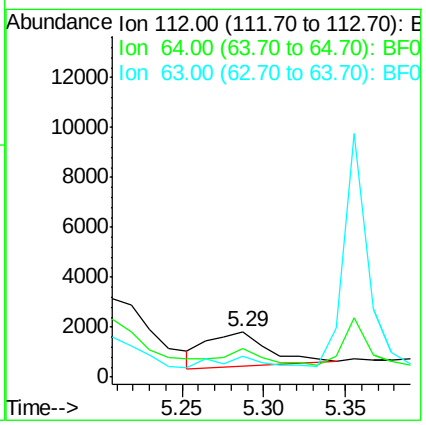


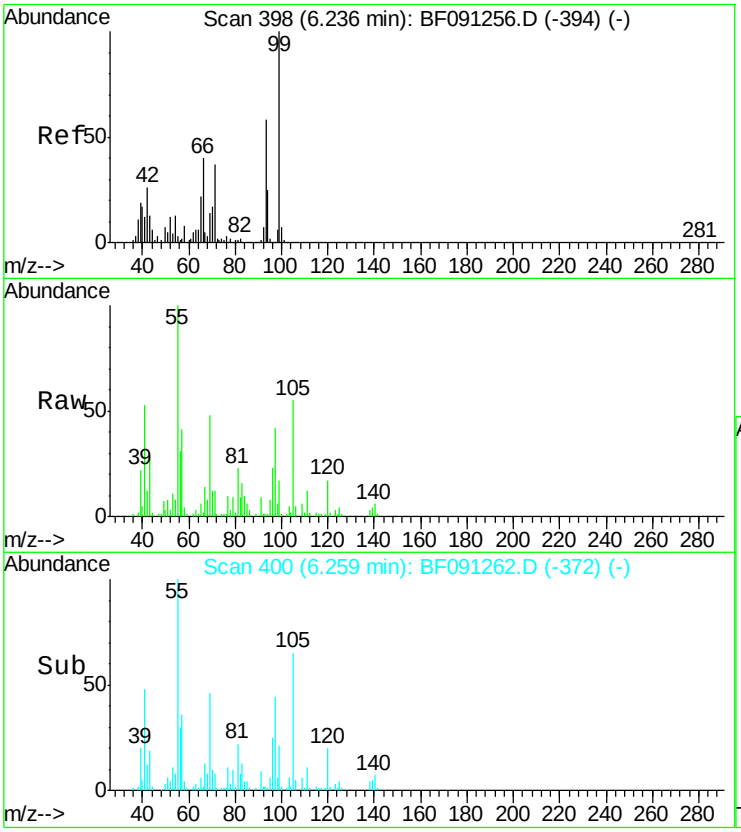


#5
2-Fluorophenol
Concen: 0.31 ng
RT: 5.29 min Scan# 315
Delta R.T. 0.15 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:112 Resp: 3641

Ion	Ratio	Lower	Upper
112	100		
64	62.1	61.5	92.3
63	44.7	33.3	49.9



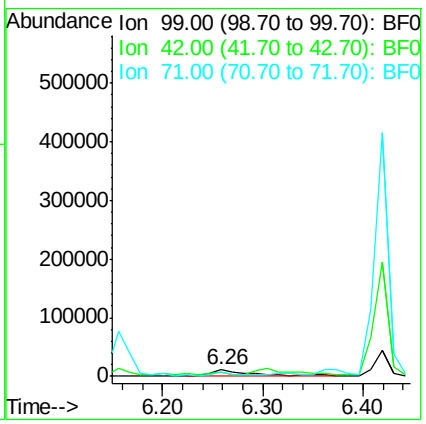


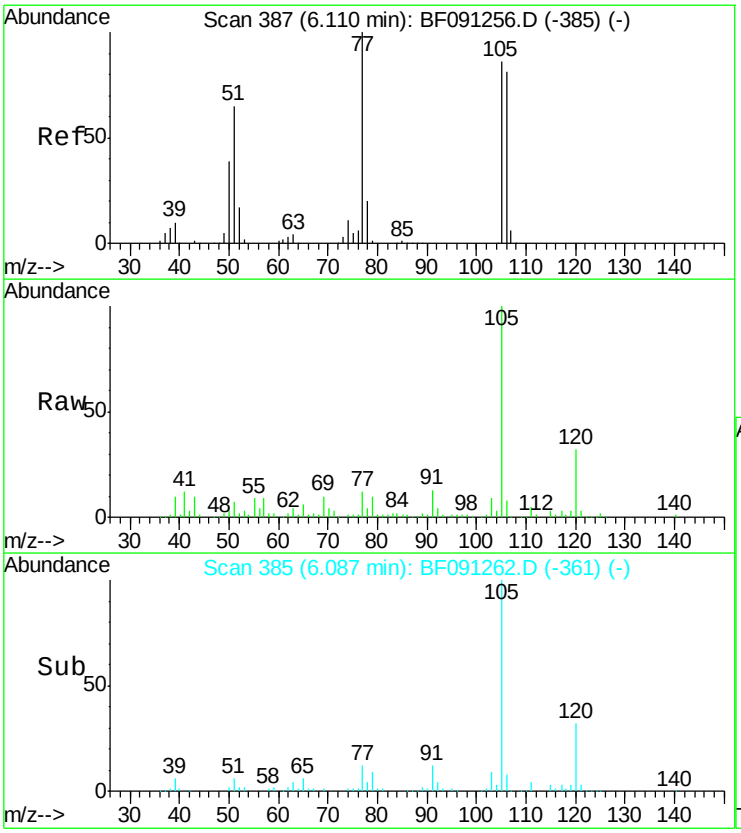
#7
Phenol-d6
Concen: 2.27 ng
RT: 6.26 min Scan# 400
Delta R.T. 0.02 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion: 99 Resp: 31461

Ion	Ratio	Lower	Upper
99	100		
42	68.6	20.6	31.0#
71	69.6	29.9	44.9#

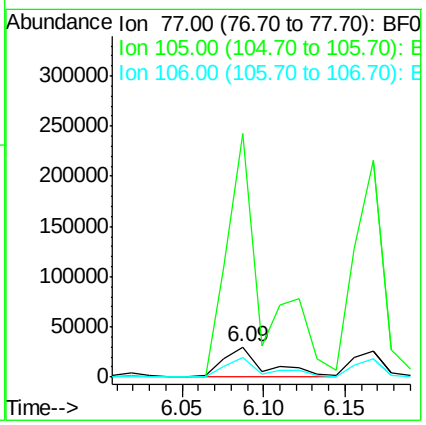


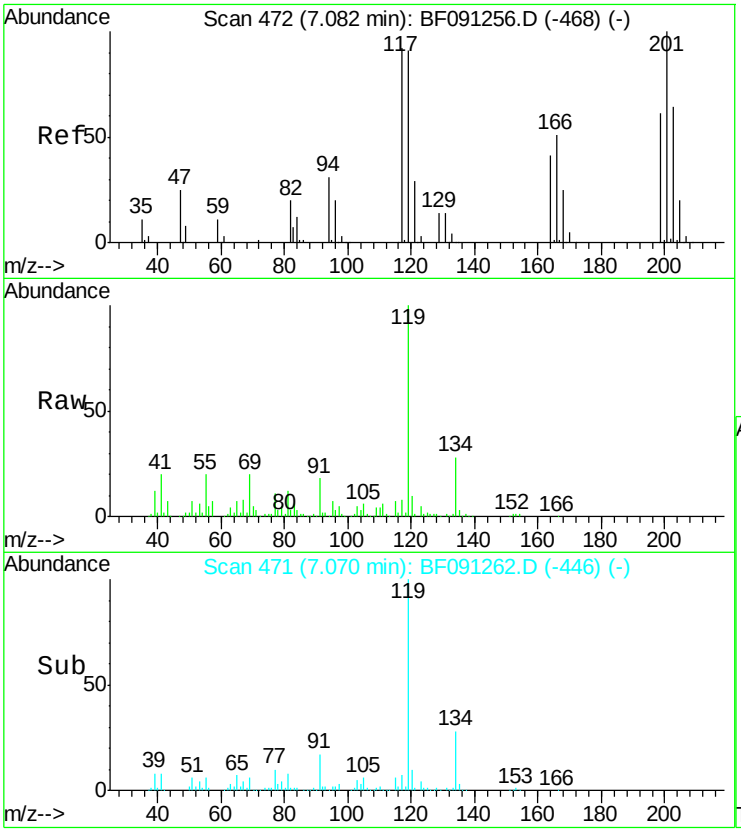


#9
Benzaldehyde
Concen: 7.45 ng
RT: 6.09 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion: 77 Resp: 51832

Ion	Ratio	Lower	Upper
77	100		
105	801.5	66.4	106.4#
106	66.2	60.9	100.9



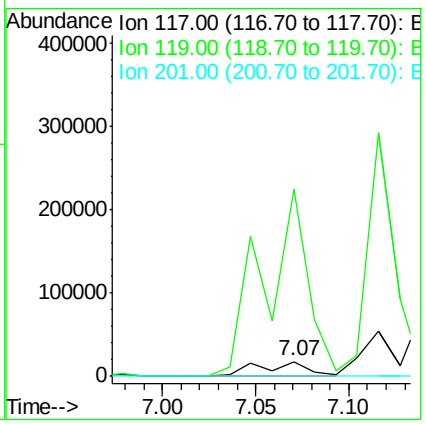


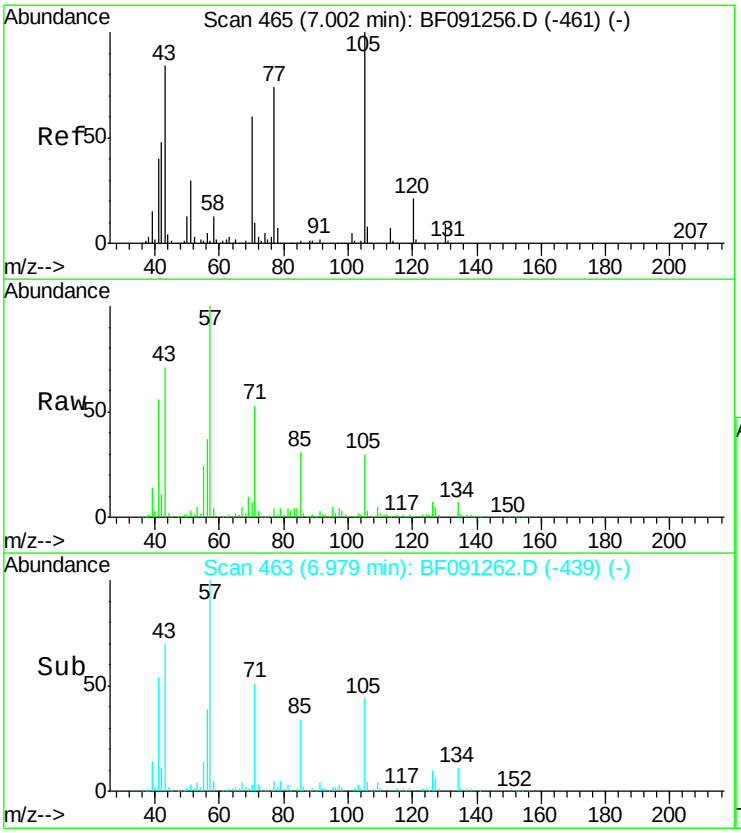
#18
Hexachloroethane
Concen: 6.31 ng
RT: 7.07 min Scan# 471
Delta R.T. -0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:117 Resp: 32969

Ion	Ratio	Lower	Upper
117	100		
119	1263.6	78.6	118.0#
201	0.0	86.7	130.1#

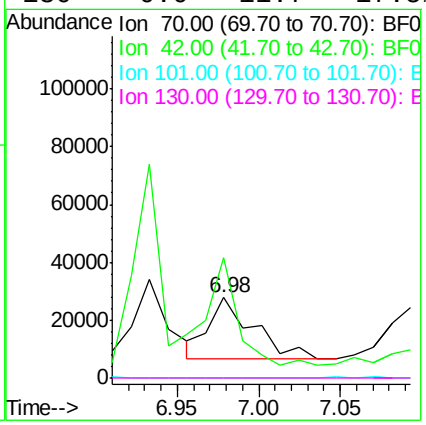


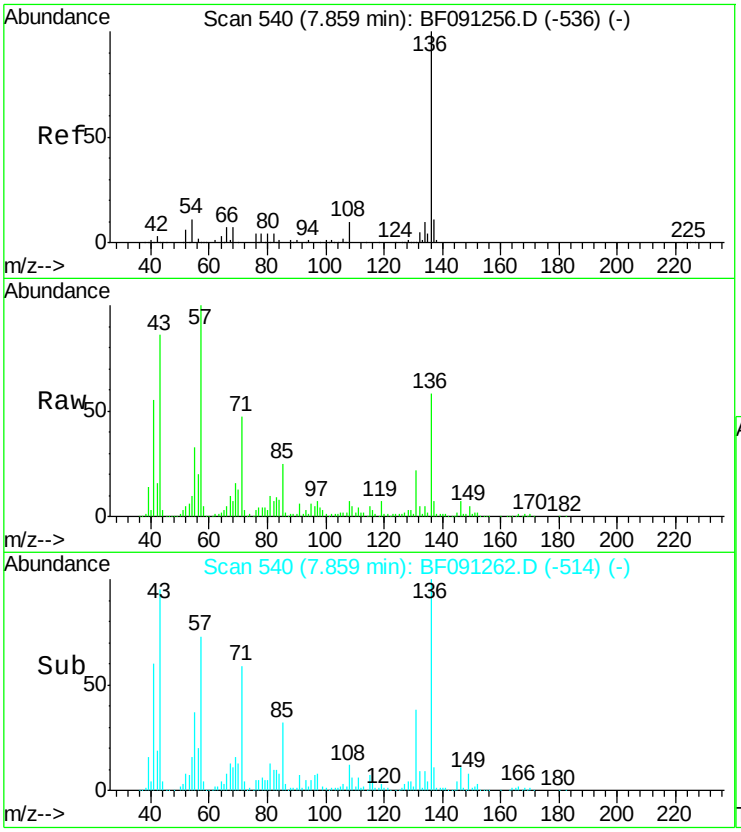


#19
n-Nitroso-di-n-propylamine
Concen: 3.99 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.02 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion: 70 Resp: 40409

Ion	Ratio	Lower	Upper
70	100		
42	149.1	64.8	97.2#
101	0.0	6.2	9.4#
130	0.0	11.7	17.5#



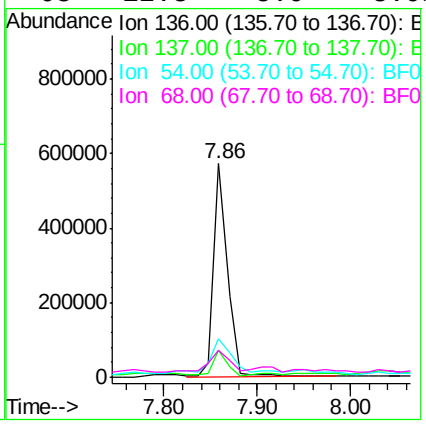


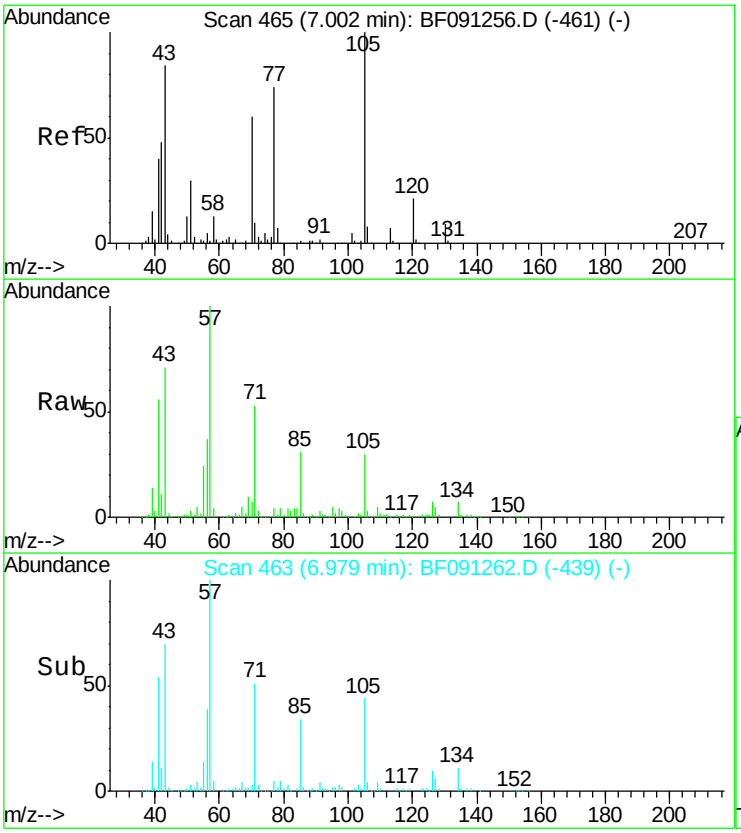
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:136 Resp: 583765

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.1	13.7
54	18.1	9.1	13.7#
68	12.8	5.9	8.9#

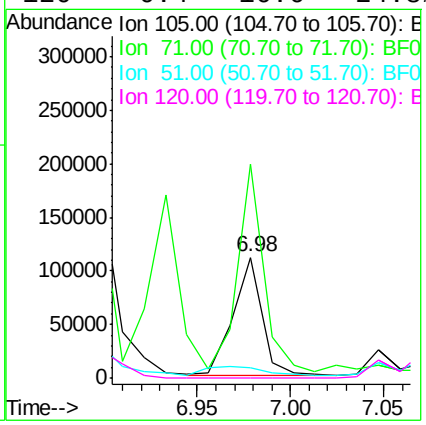


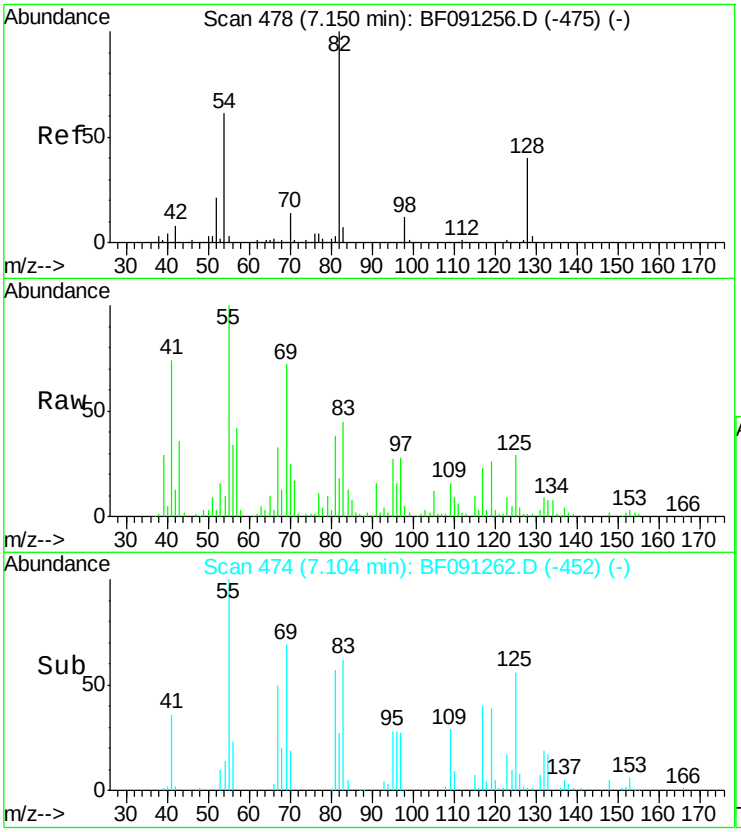


#22
Acetophenone
Concen: 8.57 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.02 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:105 Resp: 119208

Ion	Ratio	Lower	Upper
105	100		
71	177.5	7.9	11.9#
51	8.6	24.5	36.7#
120	0.4	16.6	24.8#



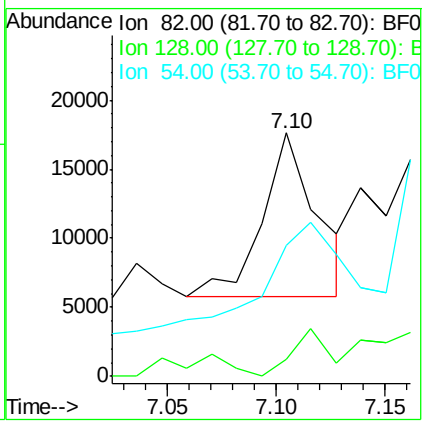


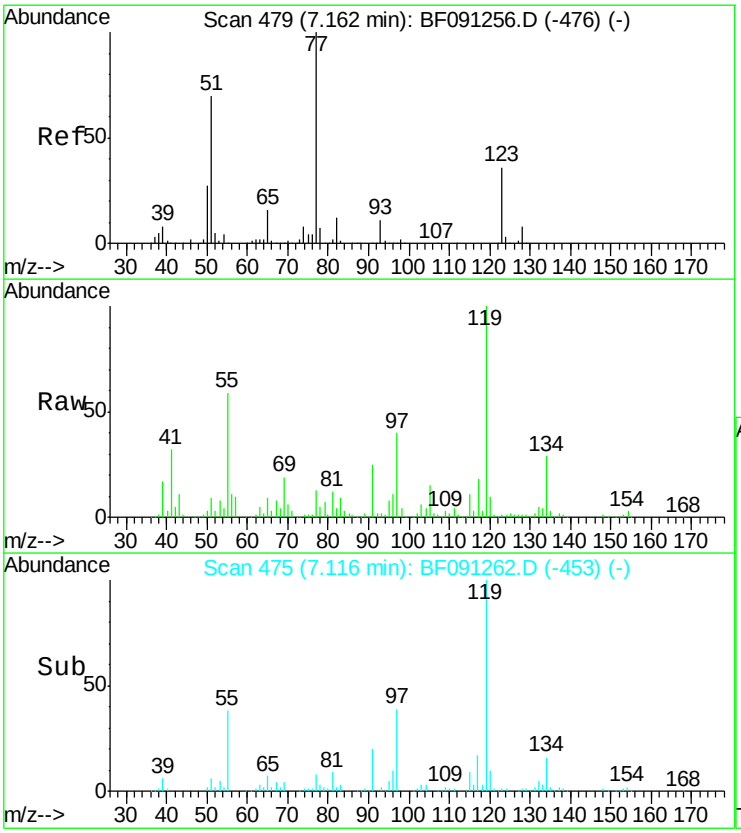
#23
Nitrobenzene-d5
Concen: 1.96 ng
RT: 7.10 min Scan# 474
Delta R.T. -0.05 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion: 82 Resp: 20753

Ion	Ratio	Lower	Upper
82	100		
128	7.1	31.8	47.6#
54	54.0	49.1	73.7

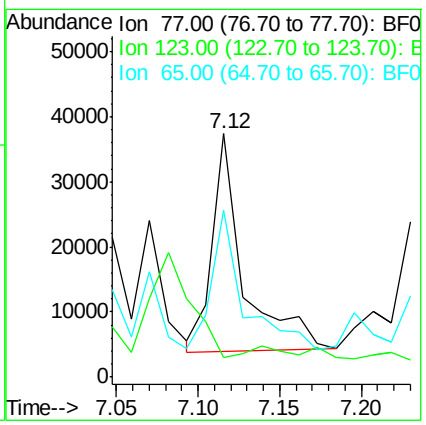


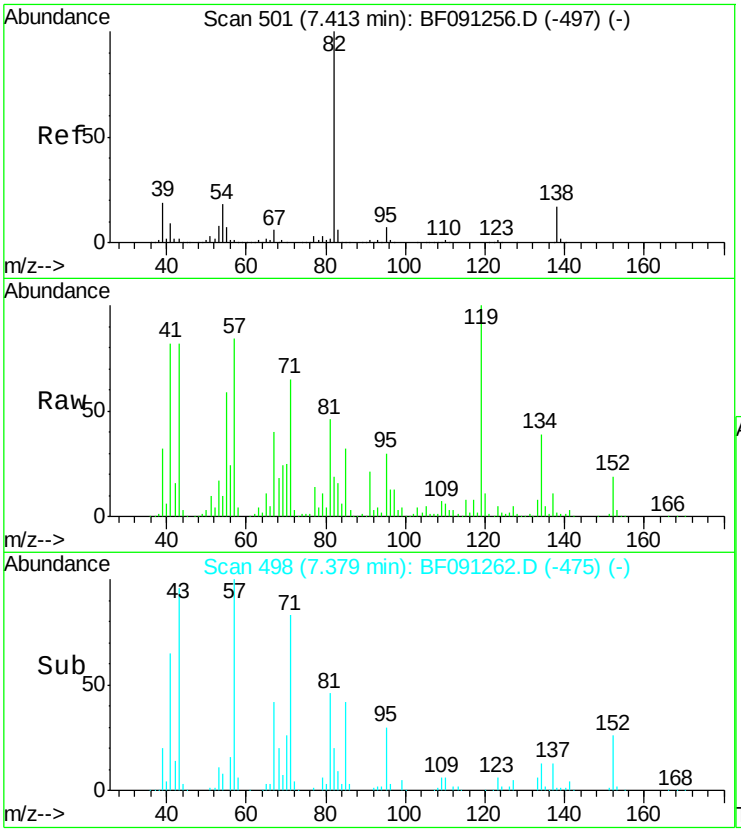


#24
Nitrobenzene
Concen: 3.80 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.05 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion: 77 Resp: 44838

Ion	Ratio	Lower	Upper
77	100		
123	8.1	28.5	42.7#
65	68.6	12.5	18.7#



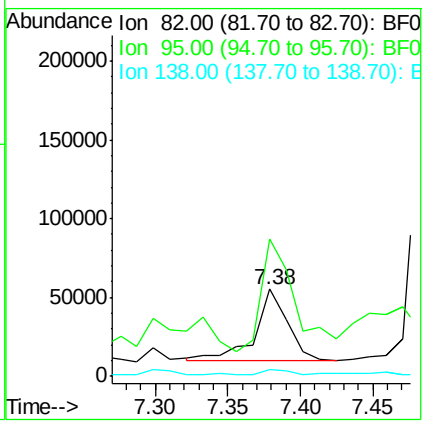


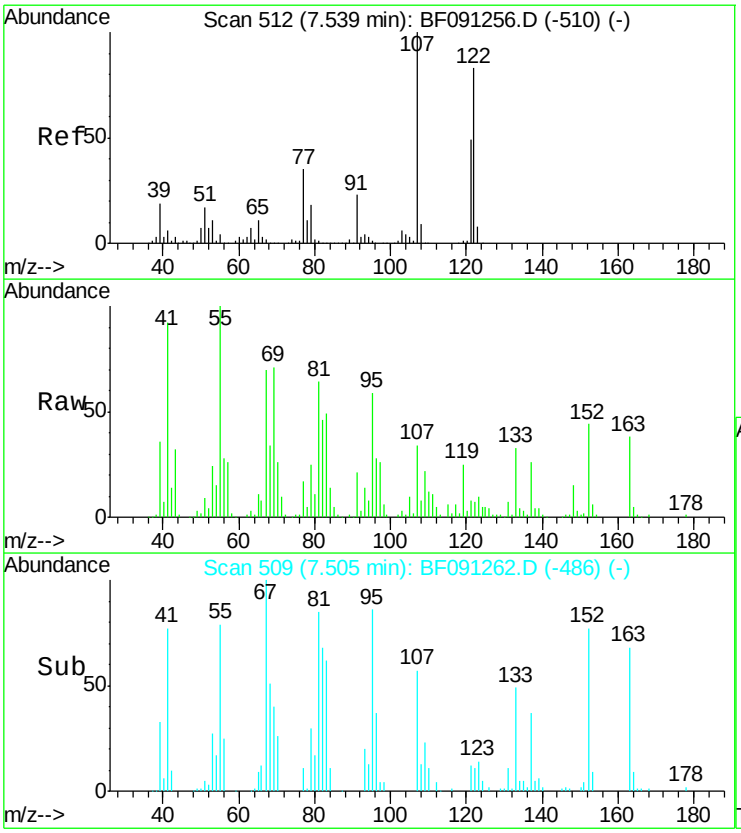
#25
Isophorone
Concen: 3.46 ng
RT: 7.38 min Scan# 498
Delta R.T. -0.03 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion: 82 Resp: 69161

Ion	Ratio	Lower	Upper
82	100		
95	157.4	5.7	8.5#
138	8.4	13.4	20.0#

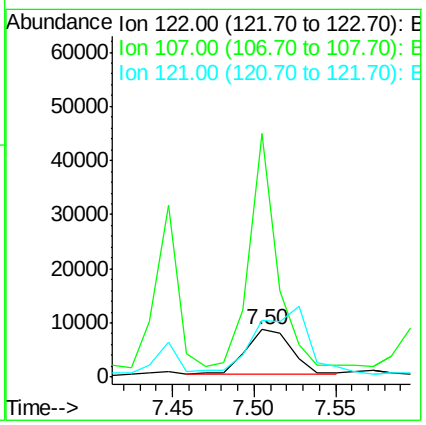


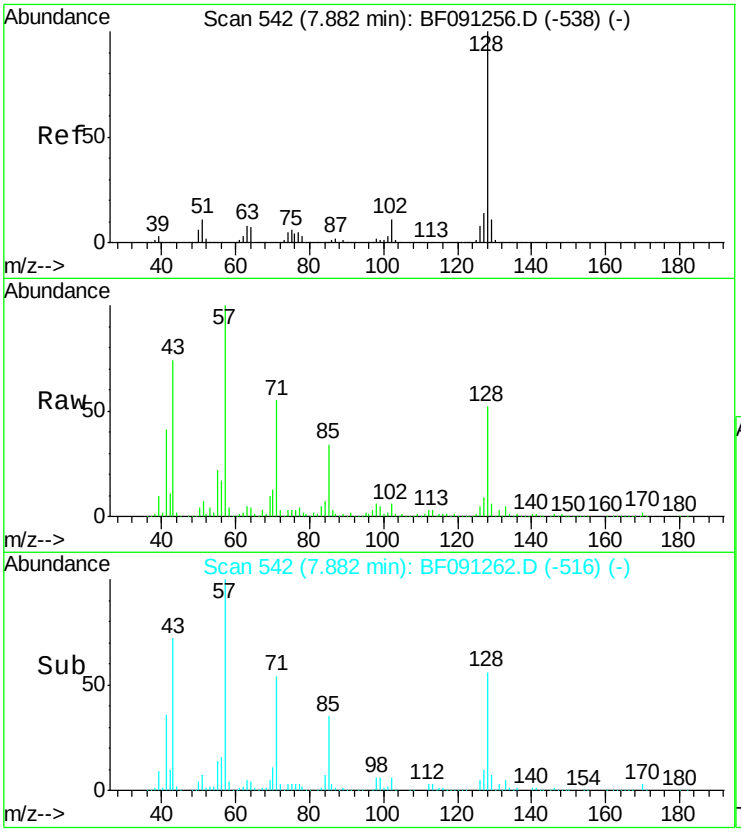


#27
2,4-Dimethylphenol
Concen: 2.05 ng
RT: 7.50 min Scan# 509
Delta R.T. -0.03 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:122 Resp: 16265

Ion	Ratio	Lower	Upper
122	100		
107	513.5	96.8	145.2#
121	118.5	47.7	71.5#



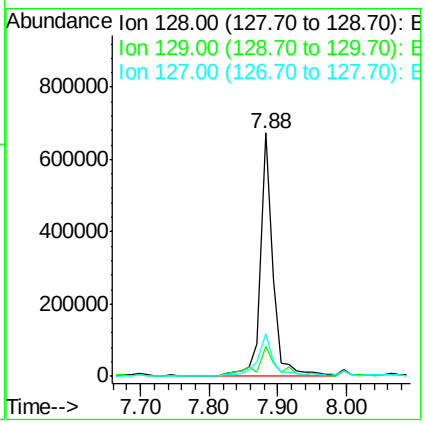


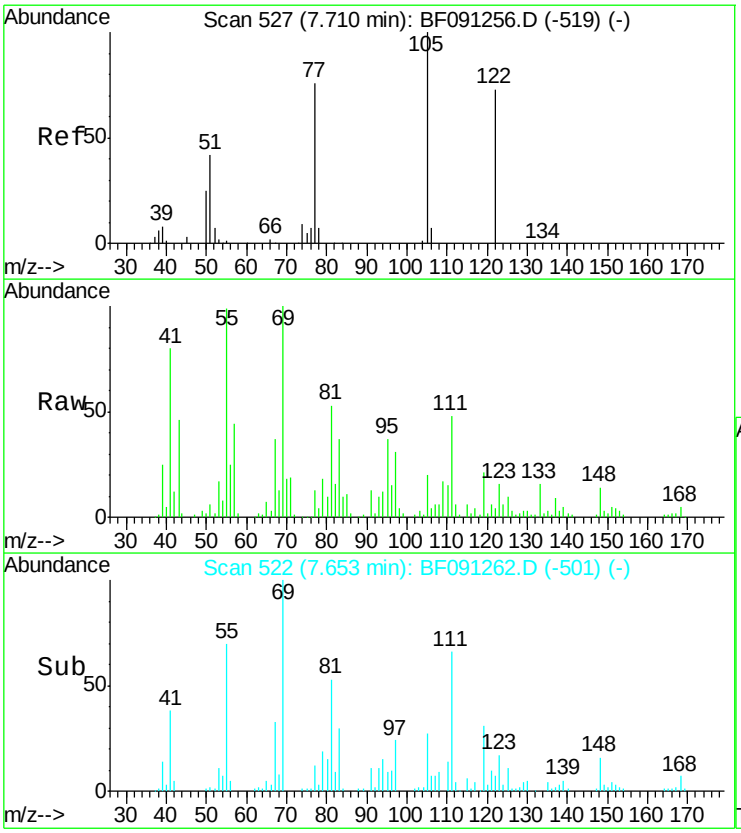
#31
Naphthalene
Concen: 30.70 ng
RT: 7.88 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:128 Resp: 837238

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.1	13.7
127	17.5	11.0	16.4#

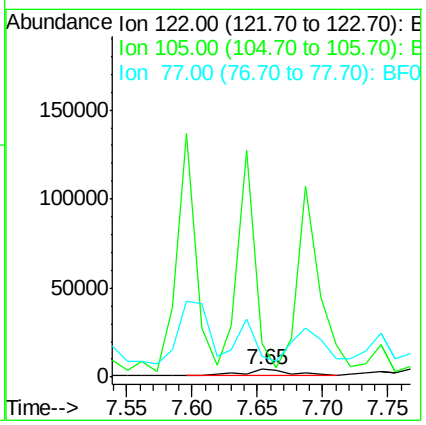


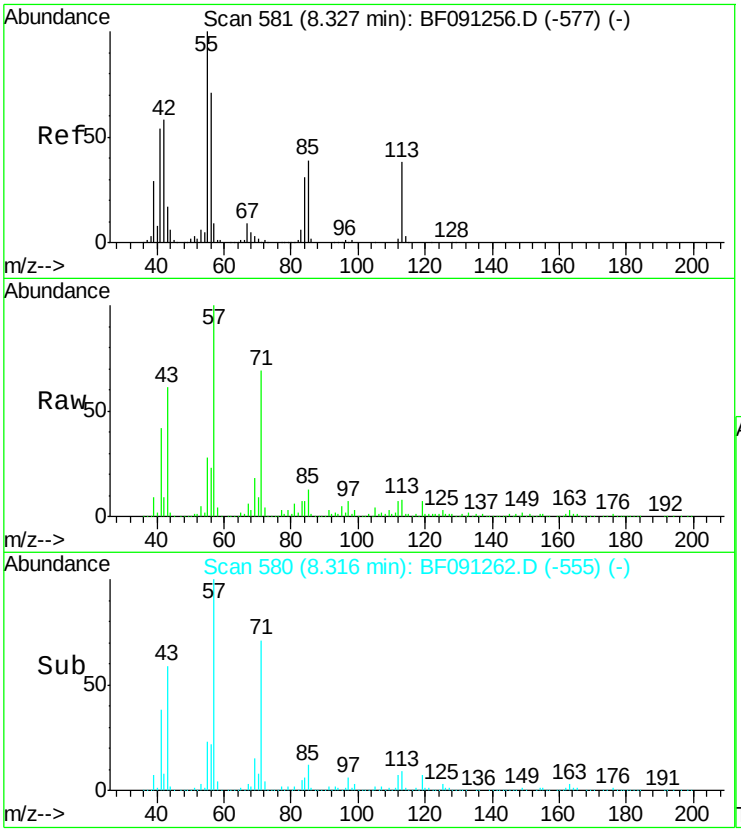


#32
Benzoic acid
Concen: 5.27 ng
RT: 7.65 min Scan# 522
Delta R.T. -0.06 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:122 Resp: 9677

Ion	Ratio	Lower	Upper
122	100		
105	447.1	113.0	153.0#
77	286.1	82.0	122.0#



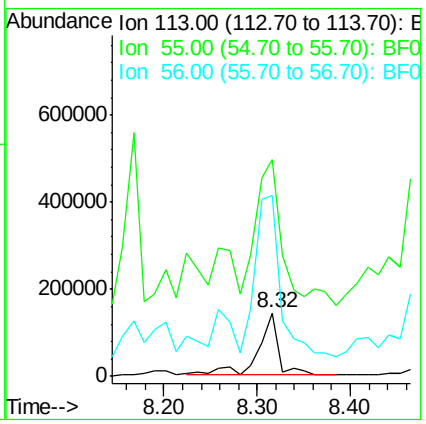


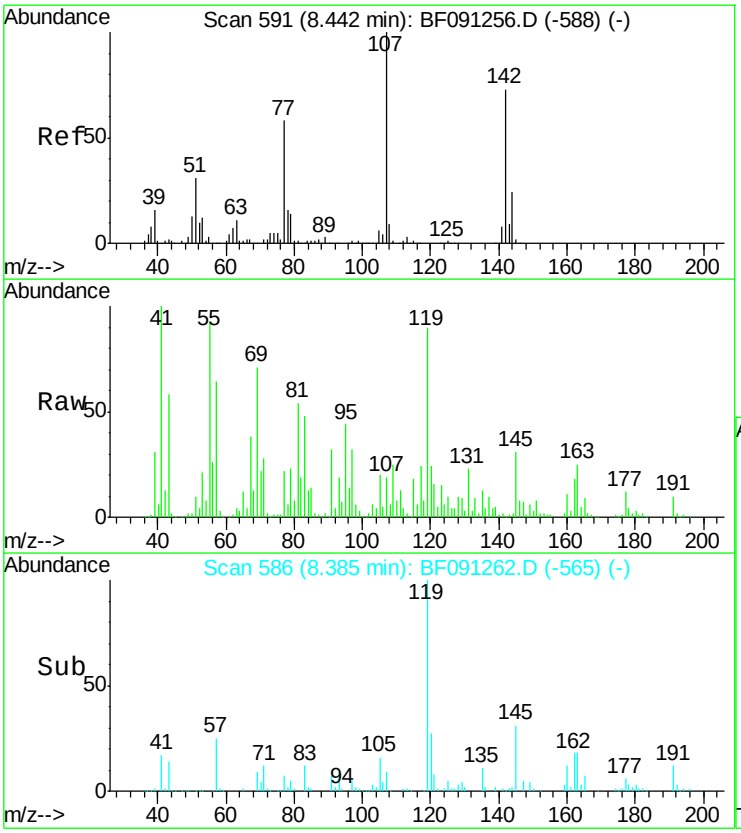
#35
Caprolactam
Concen: 97.37 ng
RT: 8.32 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:113 Resp: 216446

Ion	Ratio	Lower	Upper
113	100		
55	341.8	239.8	279.8#
56	286.4	165.6	205.6#

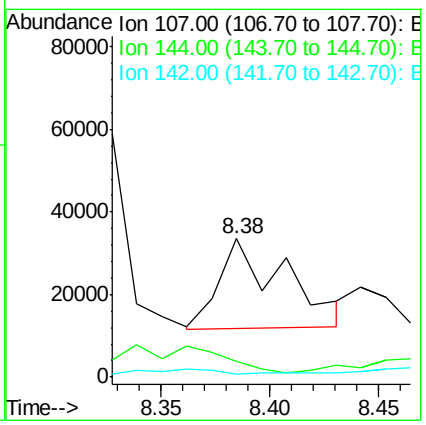


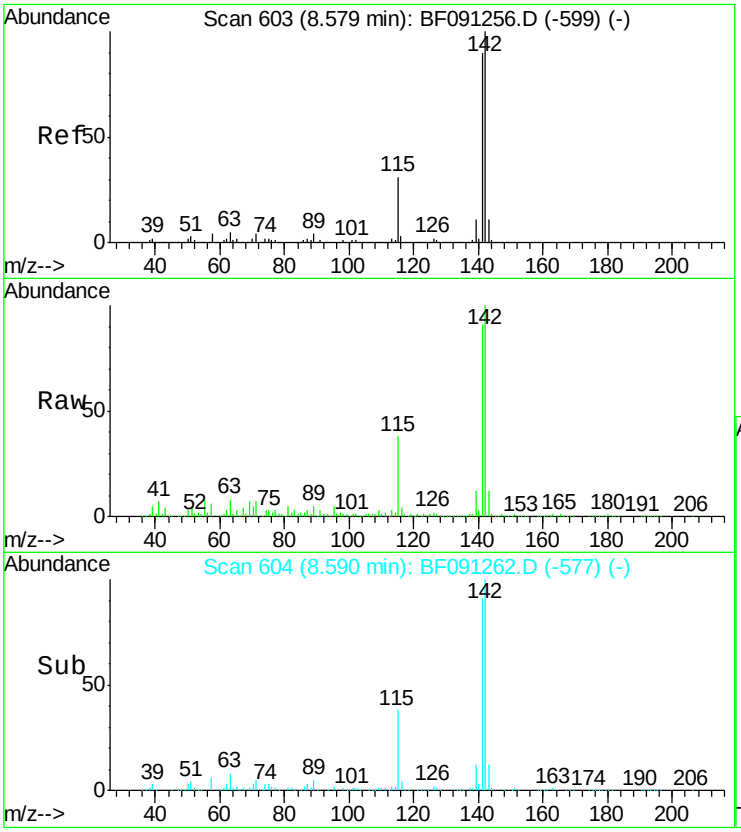


#36
4-Chloro-3-methylphenol
Concen: 5.27 ng
RT: 8.38 min Scan# 586
Delta R.T. -0.06 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:107 Resp: 45633

Ion	Ratio	Lower	Upper
107	100		
144	11.0	18.9	28.3#
142	2.3	58.5	87.7#



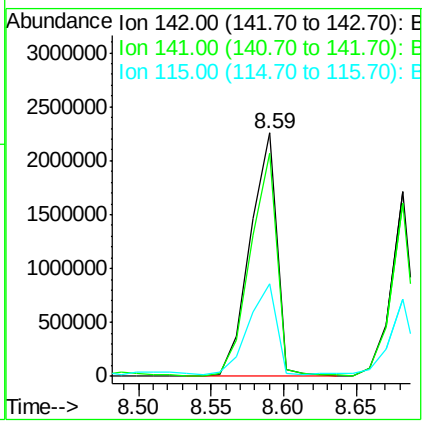


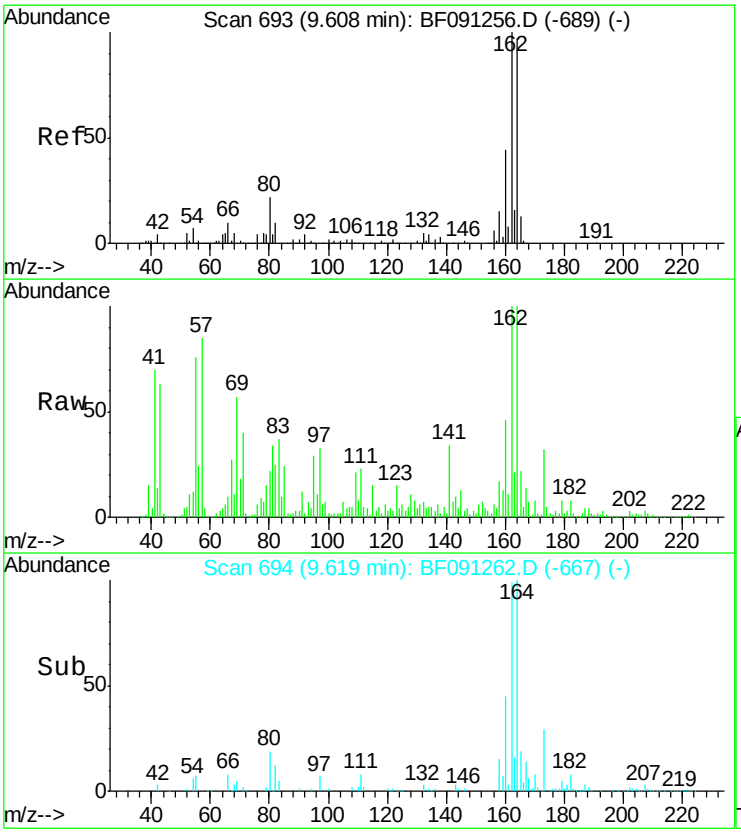
#37
2-Methylnaphthalene
Concen: 157.39 ng
RT: 8.59 min Scan# 604
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:142 Resp: 2878537

Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.7	107.5
115	38.0	25.0	37.6#

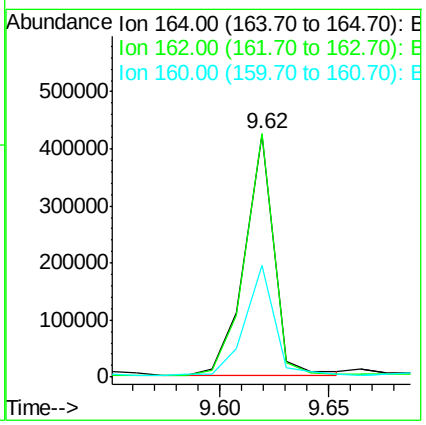


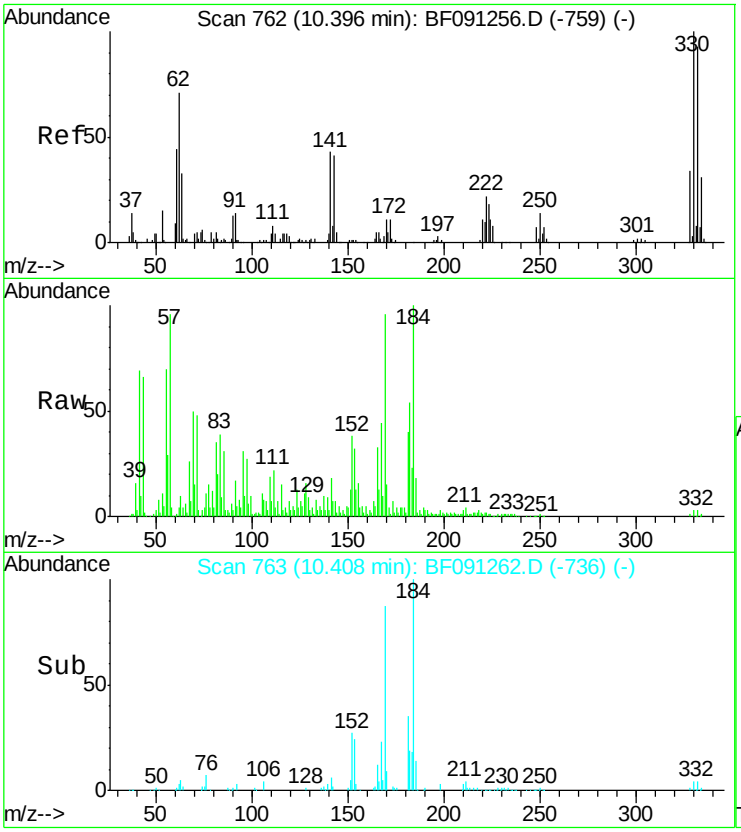


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 694
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:164 Resp: 399040

Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.6	124.0
160	46.2	36.7	55.1



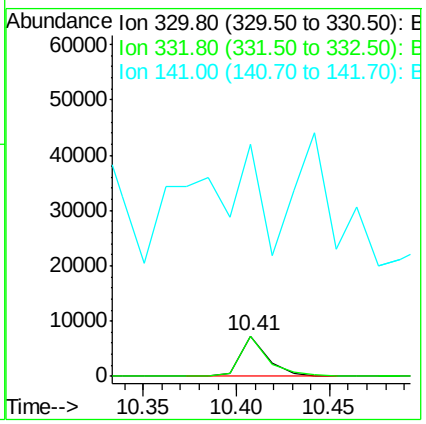


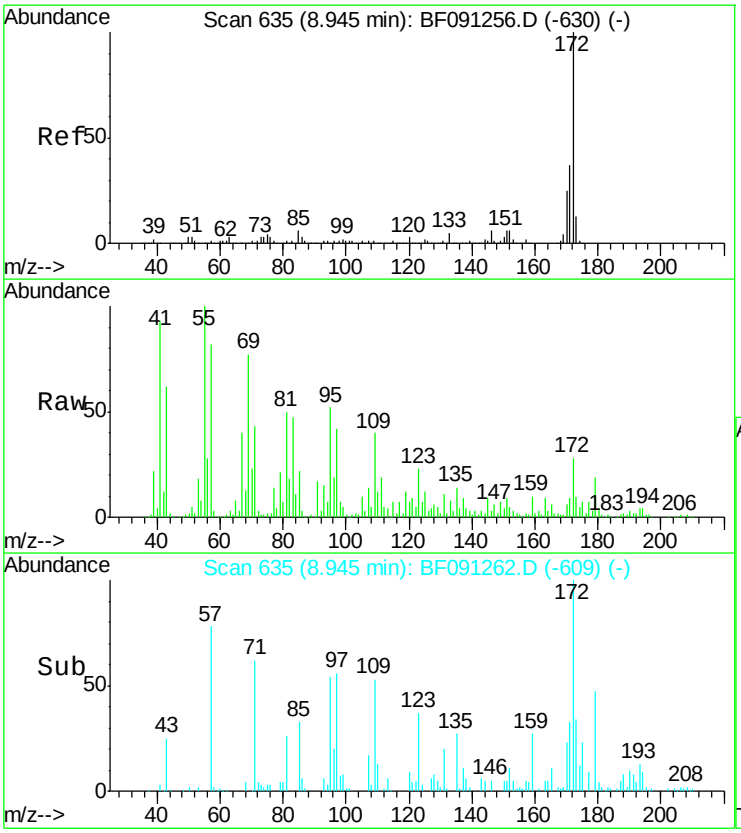
#41
2,4,6-Tribromophenol
Concen: 1.99 ng
RT: 10.41 min Scan# 763
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:330 Resp: 7419

Ion	Ratio	Lower	Upper
330	100		
332	103.0	76.2	114.4
141	0.0	33.6	50.4#

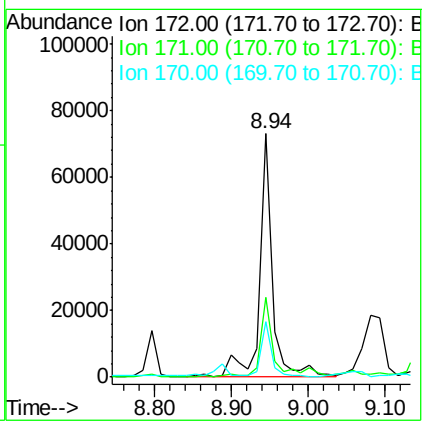


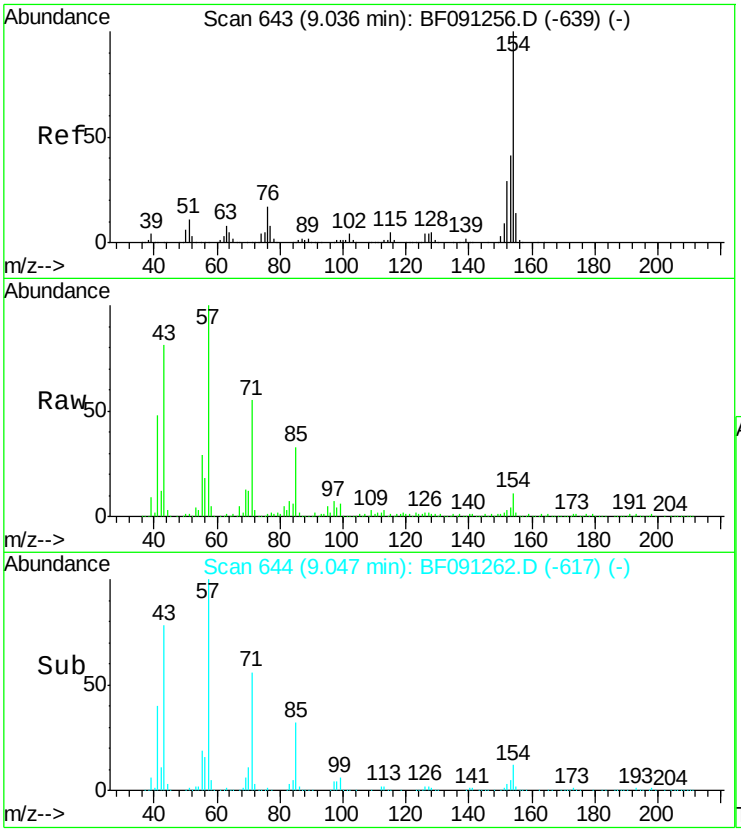


#44
2-Fluorobiphenyl
Concen: 3.75 ng
RT: 8.94 min Scan# 635
Delta R.T. 0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:172 Resp: 85741

Ion	Ratio	Lower	Upper
172	100		
171	32.8	29.4	44.0
170	22.7	19.7	29.5



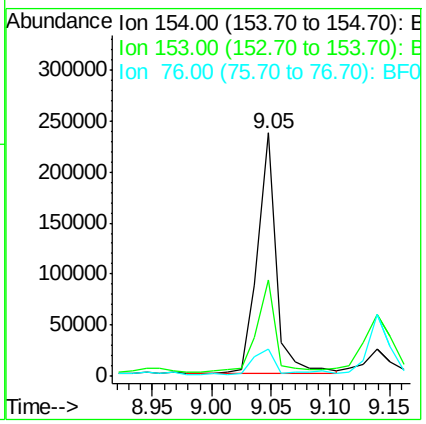


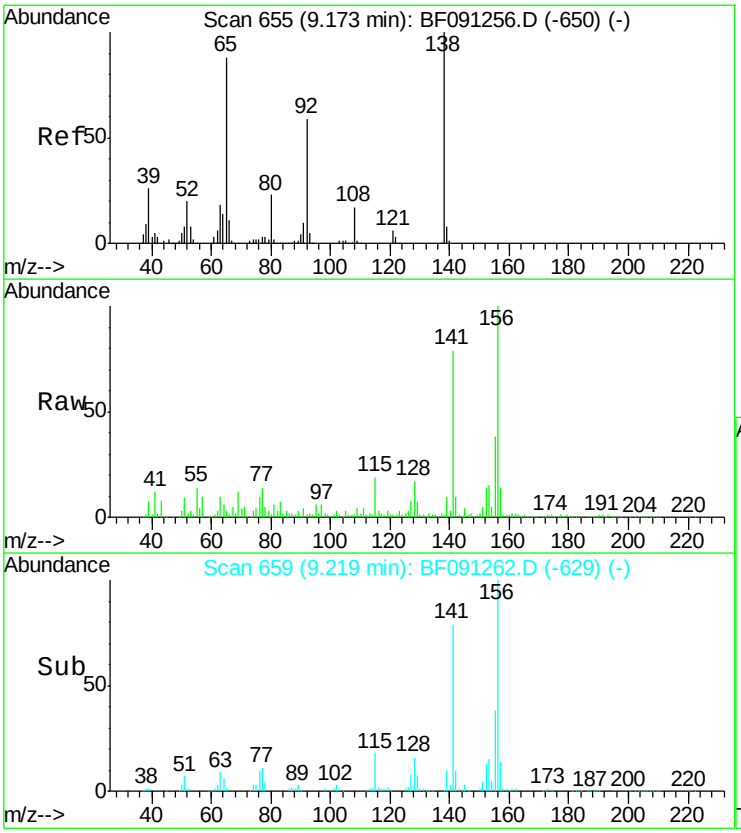
#45
1,1'-Biphenyl
Concen: 8.63 ng
RT: 9.05 min Scan# 644
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:154 Resp: 262679

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.6	60.6
76	11.0	0.0	36.6

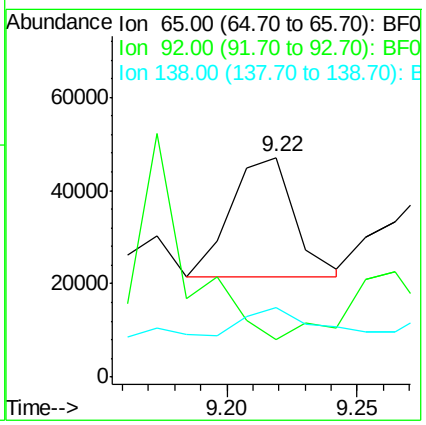


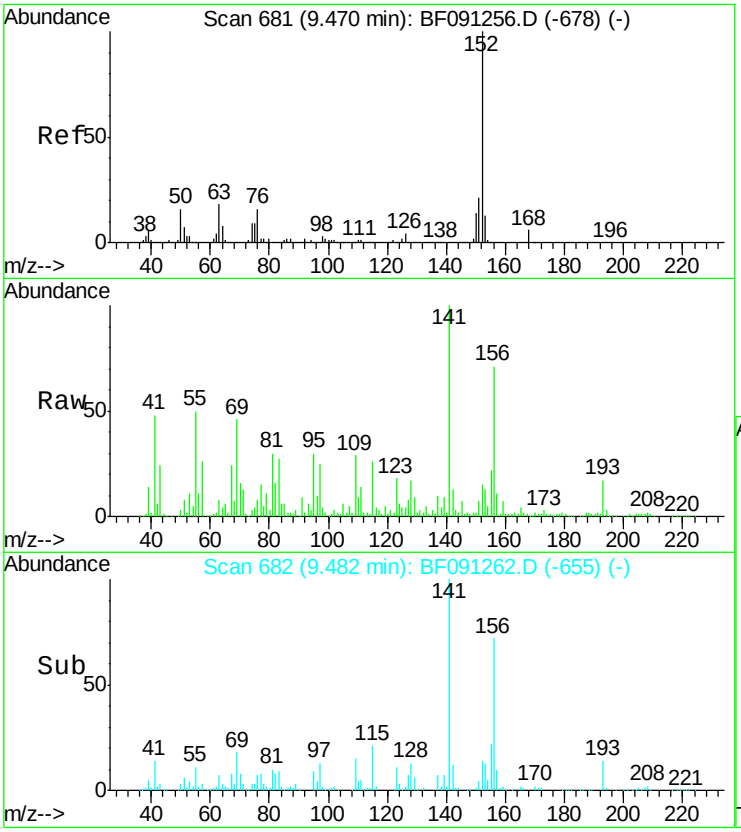


#47
2-Nitroaniline
Concen: 5.20 ng
RT: 9.22 min Scan# 659
Delta R.T. 0.05 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion: 65 Resp: 43727

Ion	Ratio	Lower	Upper
65	100		
92	17.3	53.6	80.4#
138	31.5	91.0	136.6#



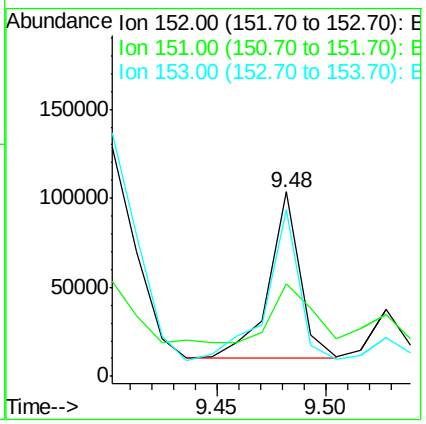


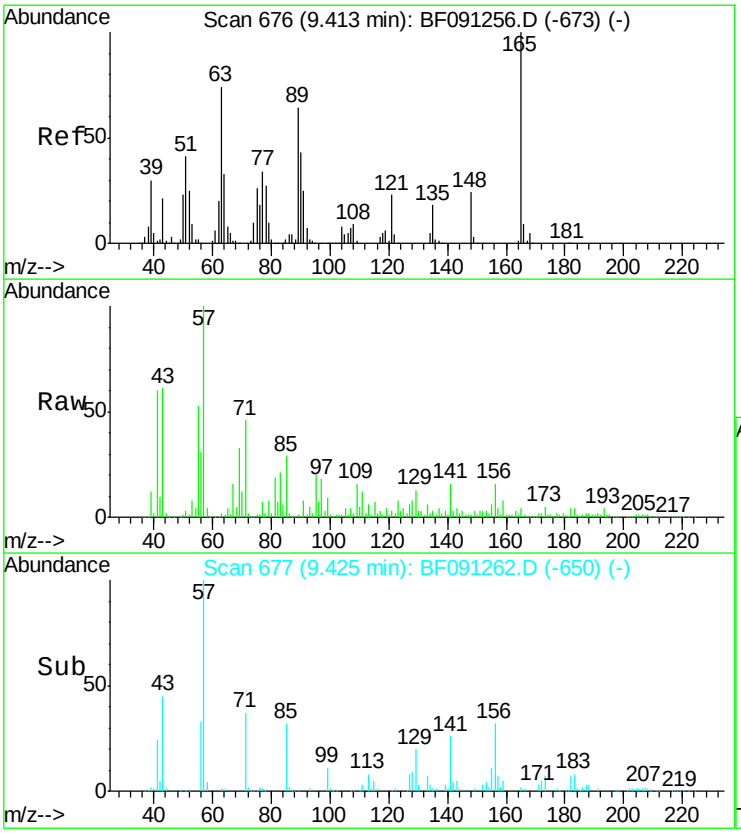
#48
Acenaphthylene
Concen: 2.72 ng
RT: 9.48 min Scan# 682
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:152 Resp: 92850

Ion	Ratio	Lower	Upper
152	100		
151	50.2	16.6	24.8#
153	90.4	10.7	16.1#

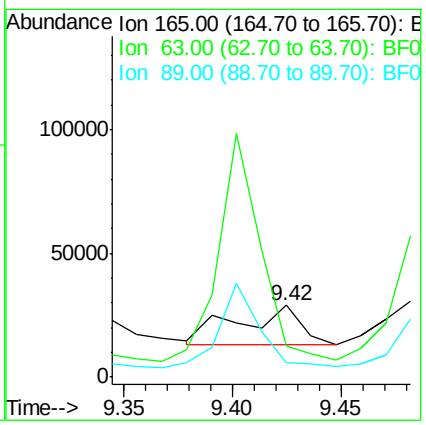


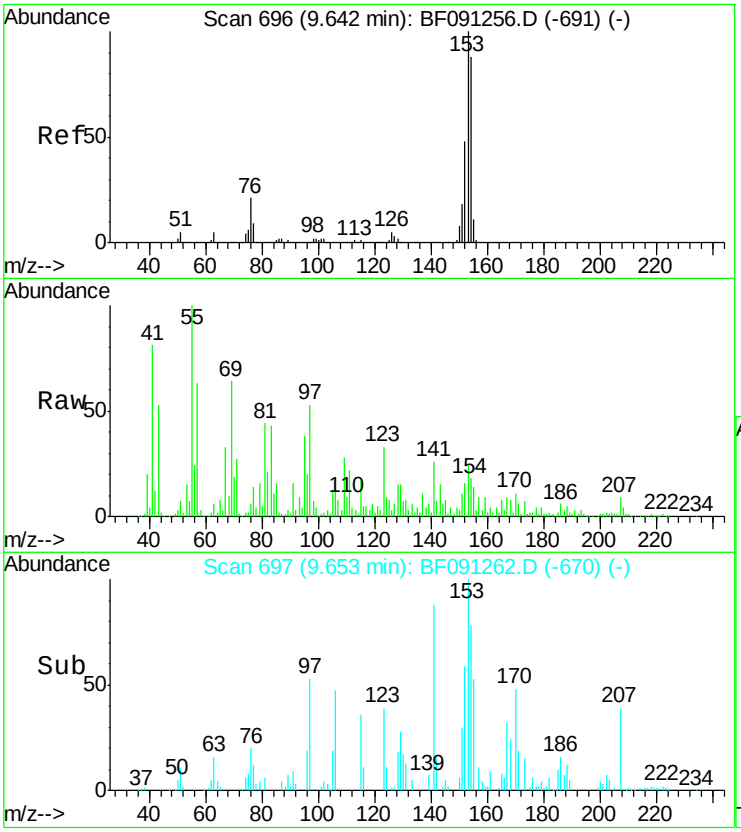


#50
2,6-Dinitrotoluene
Concen: 5.52 ng
RT: 9.42 min Scan# 677
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:165 Resp: 31503

Ion	Ratio	Lower	Upper
165	100		
63	43.1	59.4	89.0#
89	20.9	50.8	76.2#



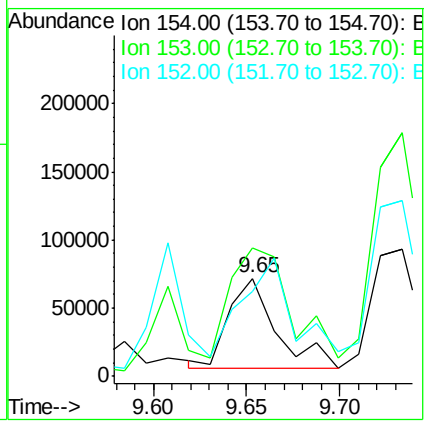


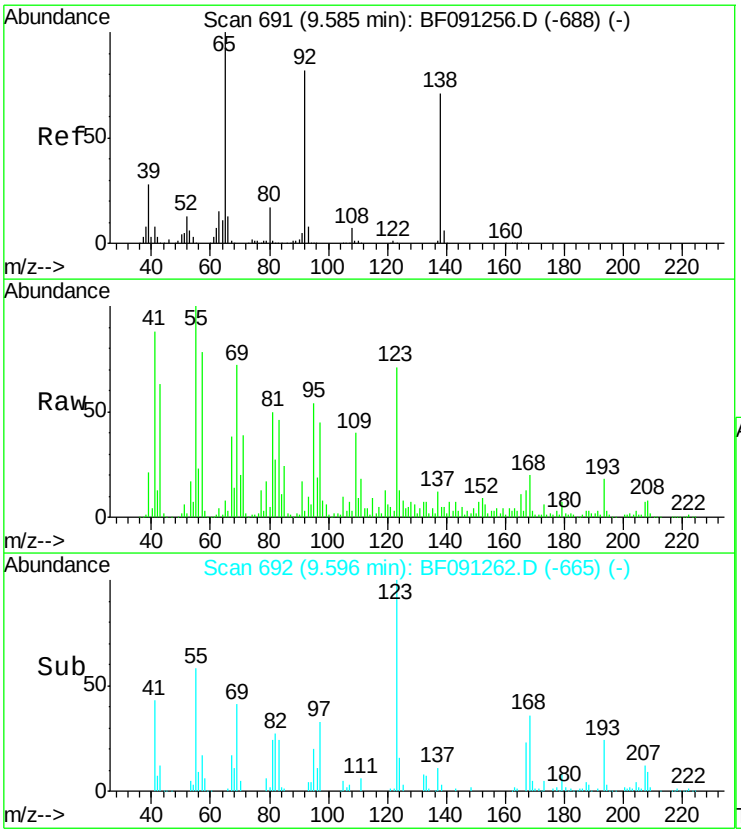
#51
Acenaphthene
Concen: 5.49 ng
RT: 9.65 min Scan# 697
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:154 Resp: 115956

Ion	Ratio	Lower	Upper
154	100		
153	130.6	91.0	136.6
152	86.5	44.2	66.2#

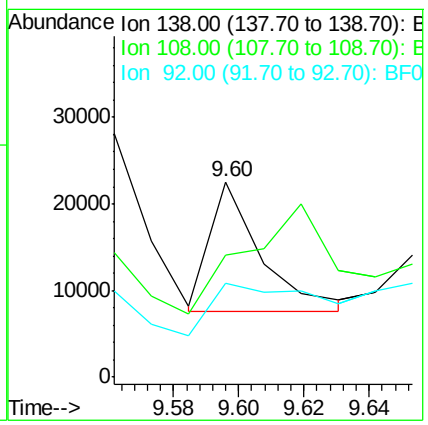


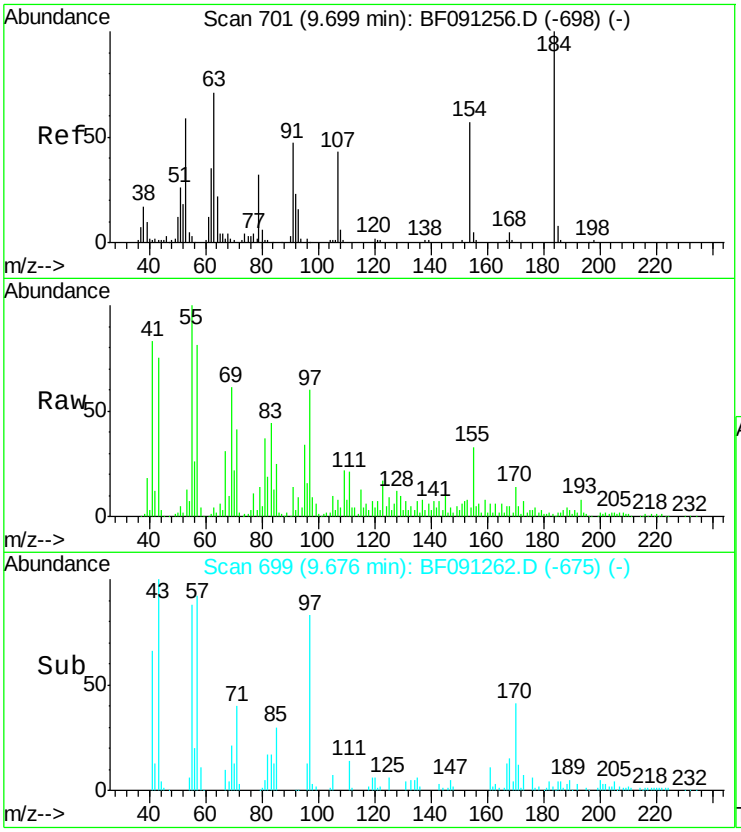


#52
3-Nitroaniline
Concen: 2.69 ng
RT: 9.60 min Scan# 692
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:138 Resp: 16389

Ion	Ratio	Lower	Upper
138	100		
108	62.6	8.1	12.1#
92	48.2	92.5	138.7#



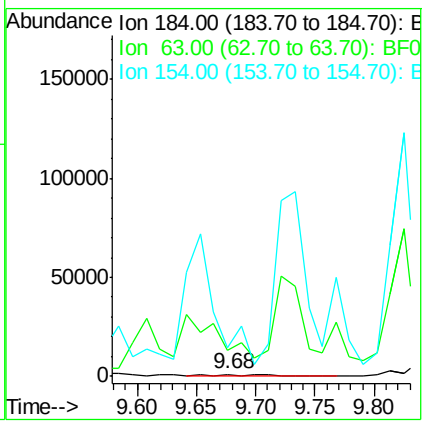


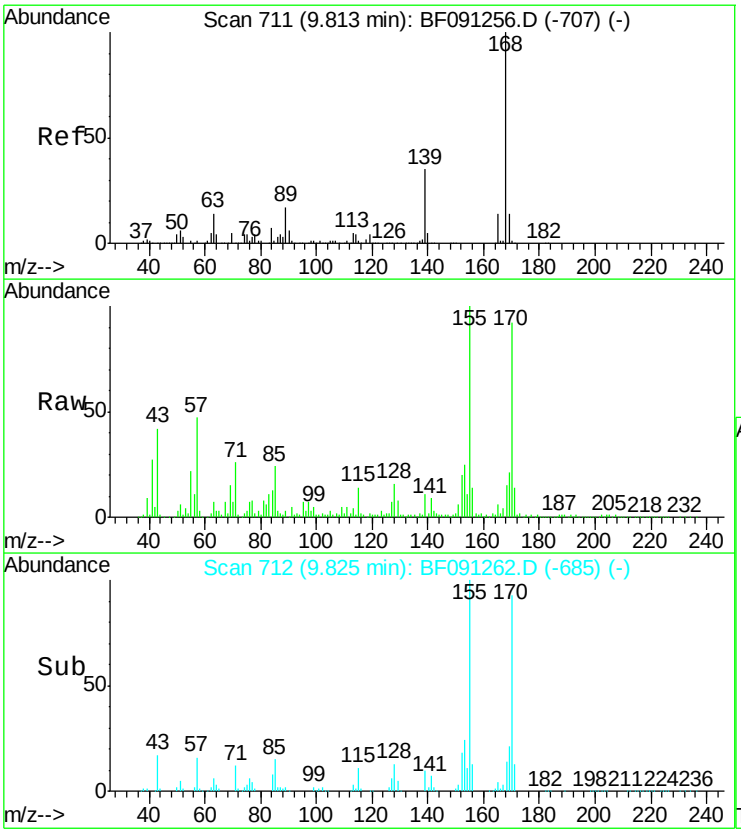
#53
2,4-Dinitrophenol
Concen: 7.62 ng
RT: 9.68 min Scan# 699
Delta R.T. -0.02 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:184 Resp: 3394

Ion	Ratio	Lower	Upper
184	100		
63	1521.5	58.3	87.5#
154	1647.6	48.6	73.0#

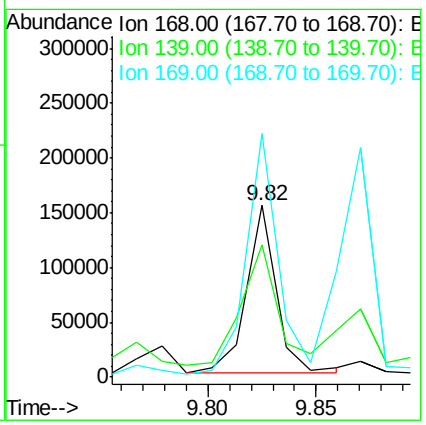


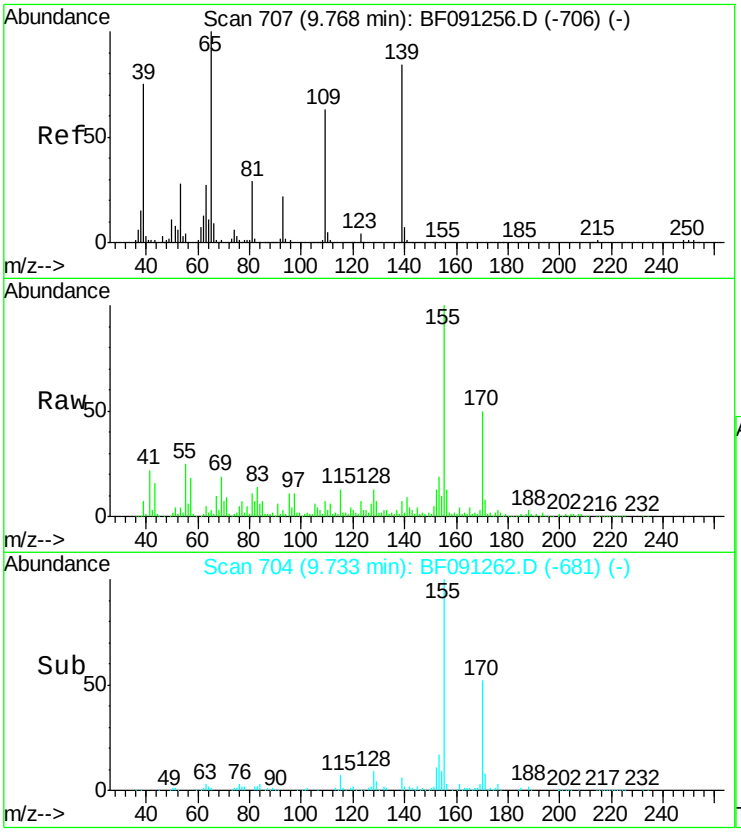


#54
Dibenzofuran
Concen: 4.93 ng
RT: 9.82 min Scan# 712
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:168 Resp: 145006

Ion	Ratio	Lower	Upper
168	100		
139	76.7	33.4	50.2#
169	141.9	11.1	16.7#



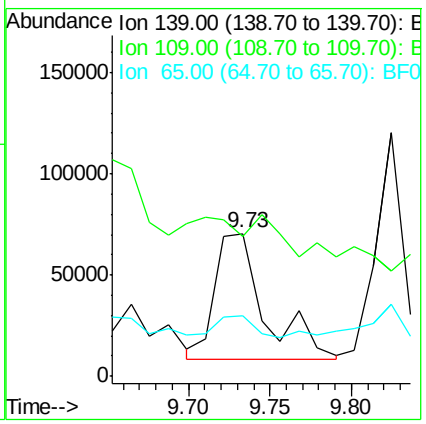


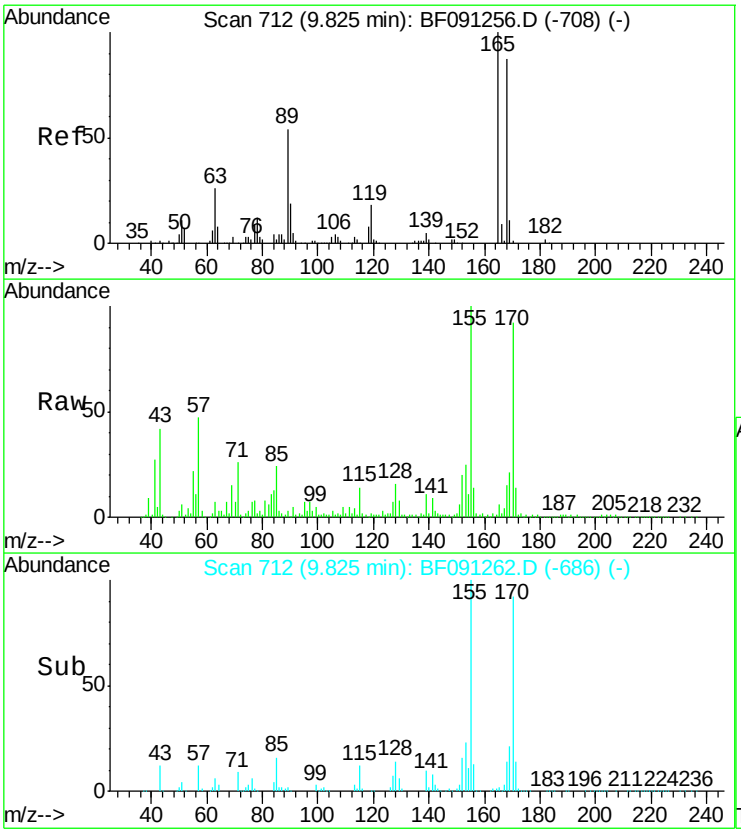
#55
4-Nitrophenol
Concen: 46.72 ng
RT: 9.73 min Scan# 704
Delta R.T. -0.03 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:139 Resp: 130683

Ion	Ratio	Lower	Upper
139	100		
109	98.0	54.9	94.9#
65	42.5	102.2	142.2#

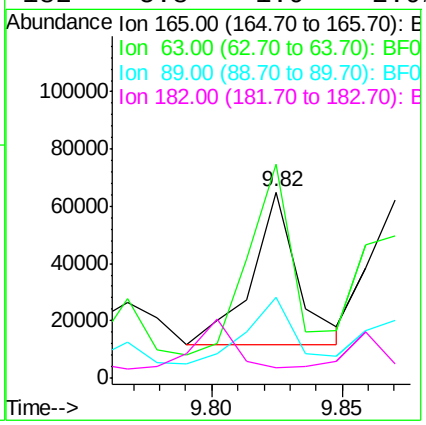


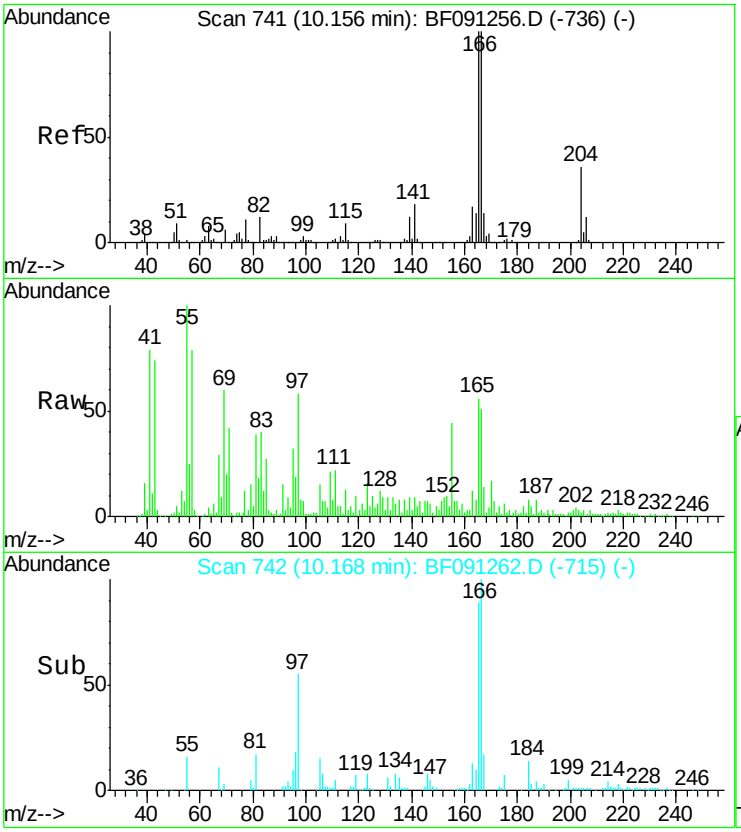


#56
2,4-Dinitrotoluene
Concen: 9.22 ng
RT: 9.82 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:165 Resp: 66274

Ion	Ratio	Lower	Upper
165	100		
63	115.0	29.0	43.4#
89	43.5	43.1	64.7
182	5.8	1.9	2.9#



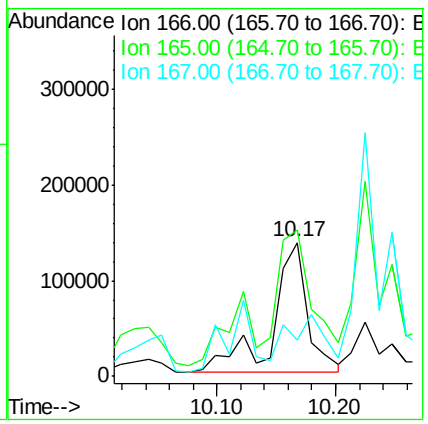


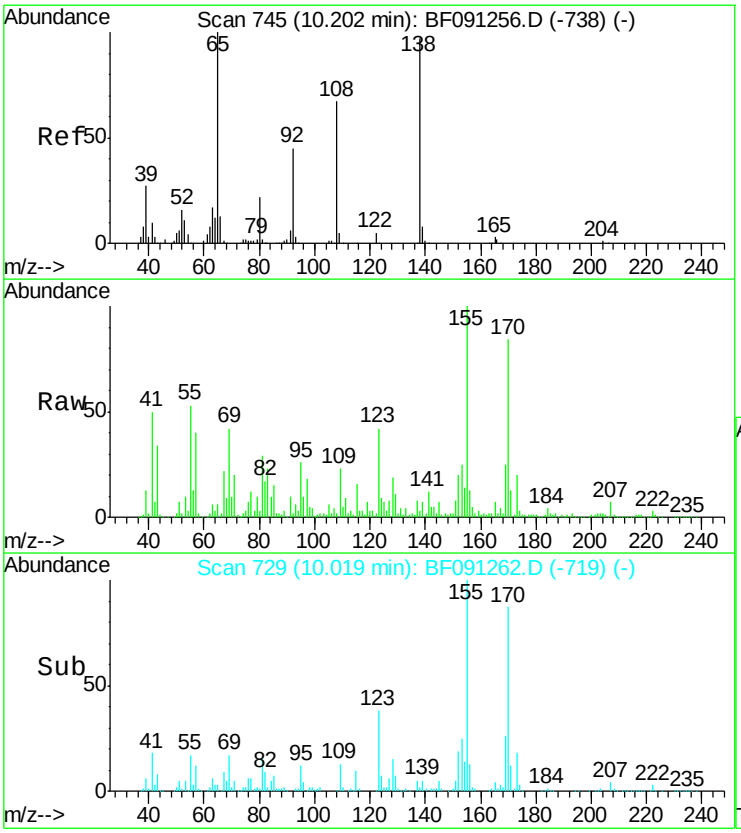
#57
Fluorene
Concen: 11.53 ng
RT: 10.17 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:166 Resp: 274549

Ion	Ratio	Lower	Upper
166	100		
165	109.1	80.0	120.0
167	26.8	10.8	16.2#

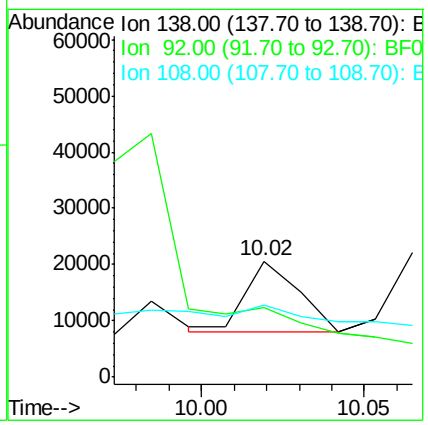


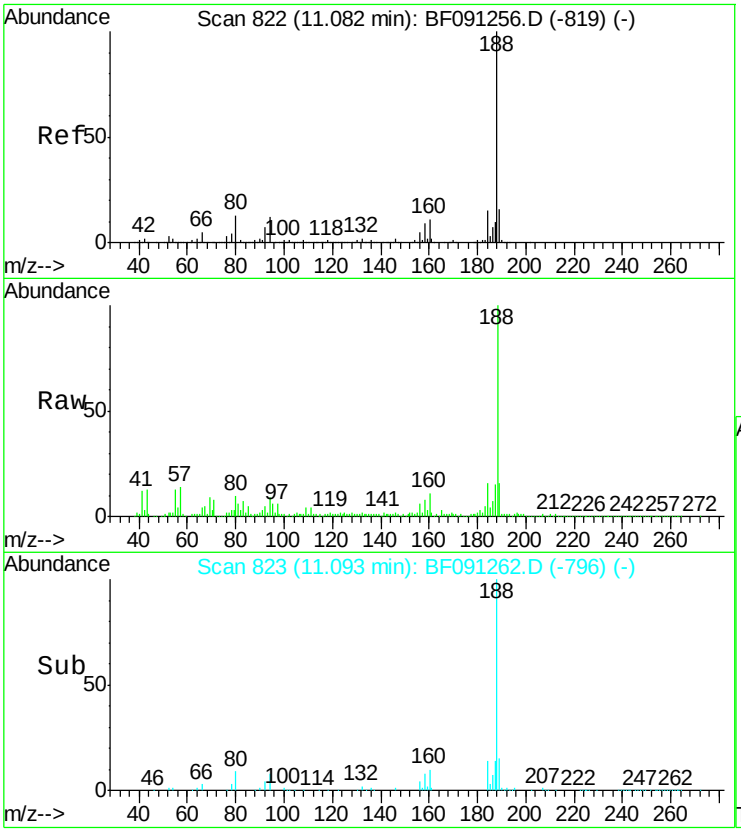


#61
4-Nitroaniline
Concen: 2.27 ng
RT: 10.02 min Scan# 729
Delta R.T. -0.18 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:138 Resp: 14199

Ion	Ratio	Lower	Upper
138	100		
92	60.4	26.9	66.9
108	62.7	49.1	89.1



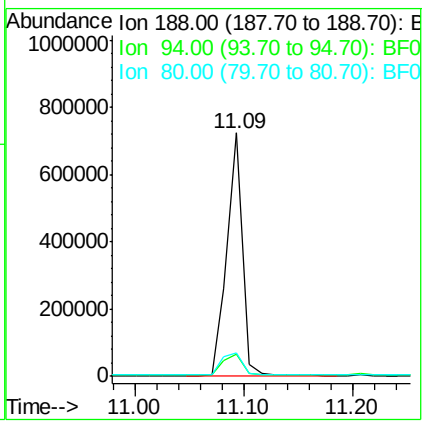


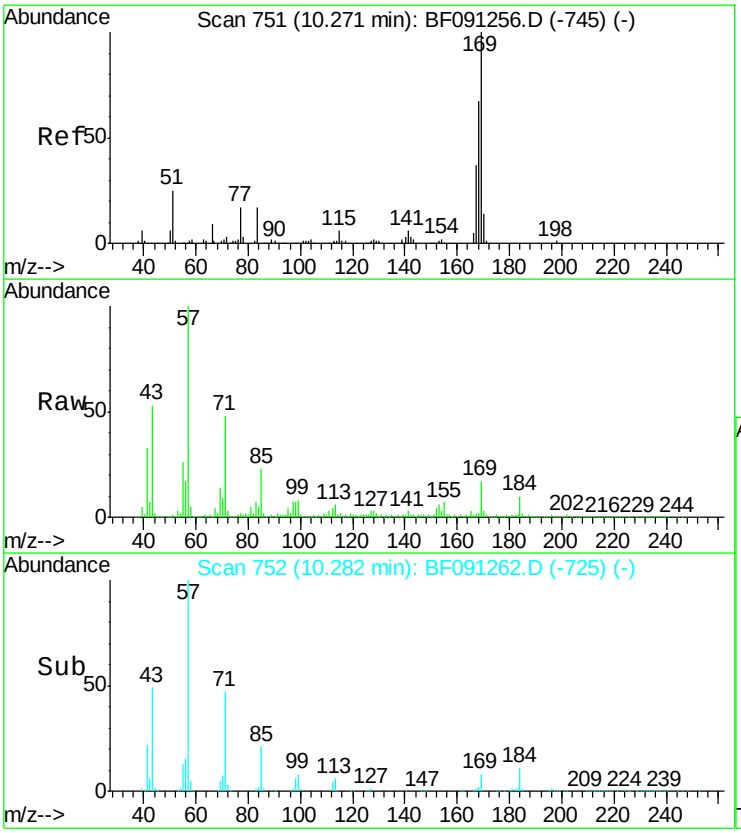
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:188 Resp: 716921

Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.2	13.8#
80	9.9	10.5	15.7#

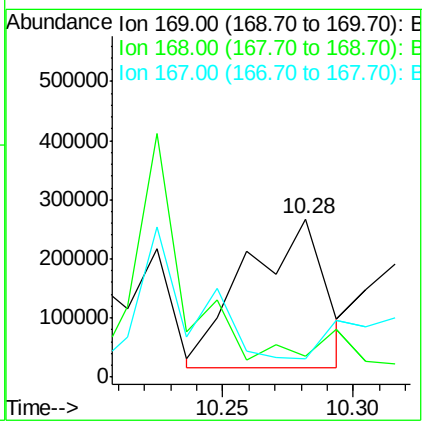


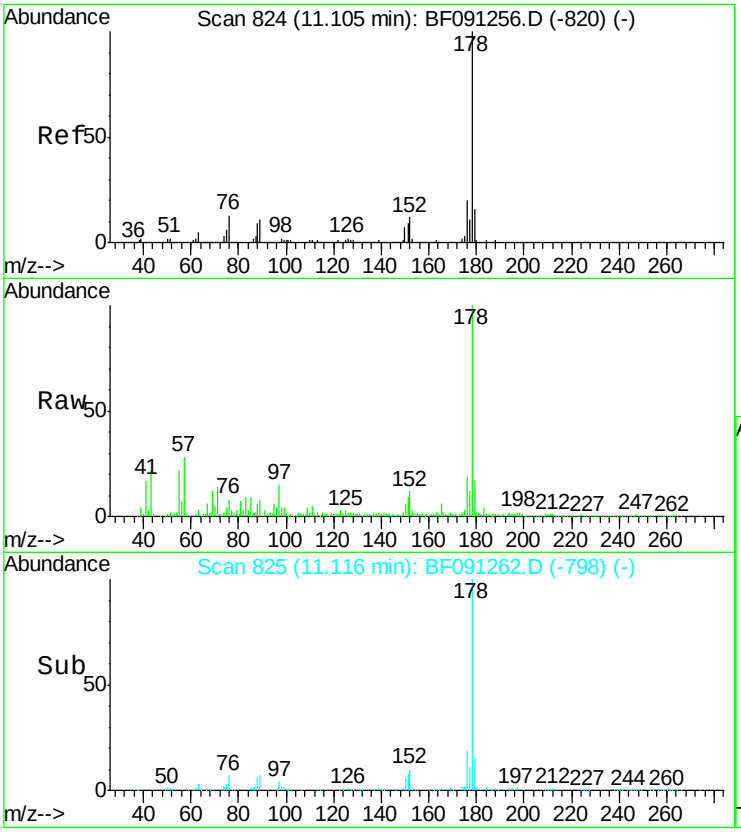


#65
n-Nitrosodiphenylamine
Concen: 24.39 ng
RT: 10.28 min Scan# 752
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:169 Resp: 526785

Ion	Ratio	Lower	Upper
169	100		
168	13.5	53.8	80.8#
167	11.4	29.8	44.8#



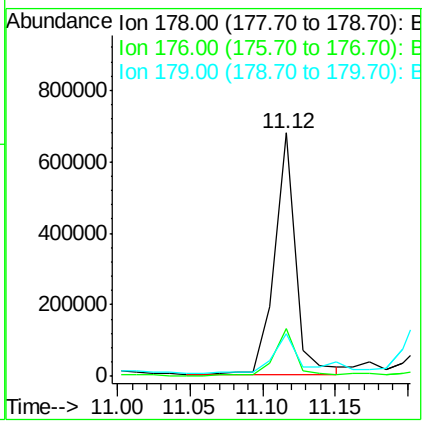


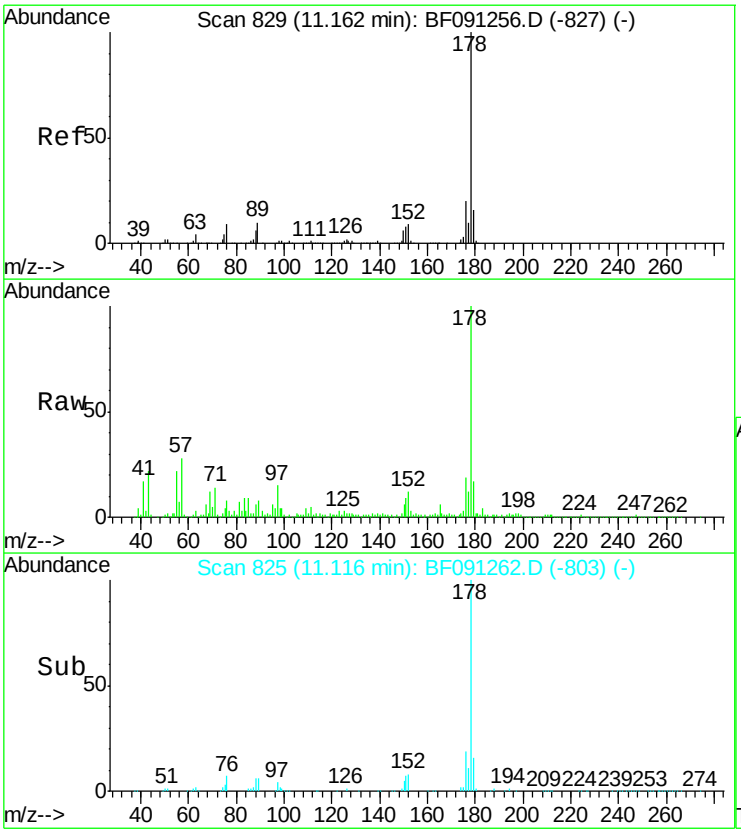
#70
Phenanthrene
Concen: 18.05 ng
RT: 11.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:178 Resp: 679978

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	17.3	12.6	18.8

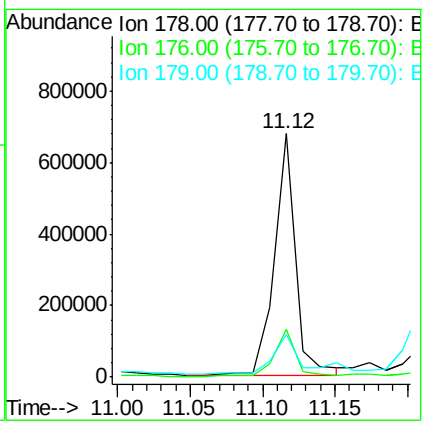


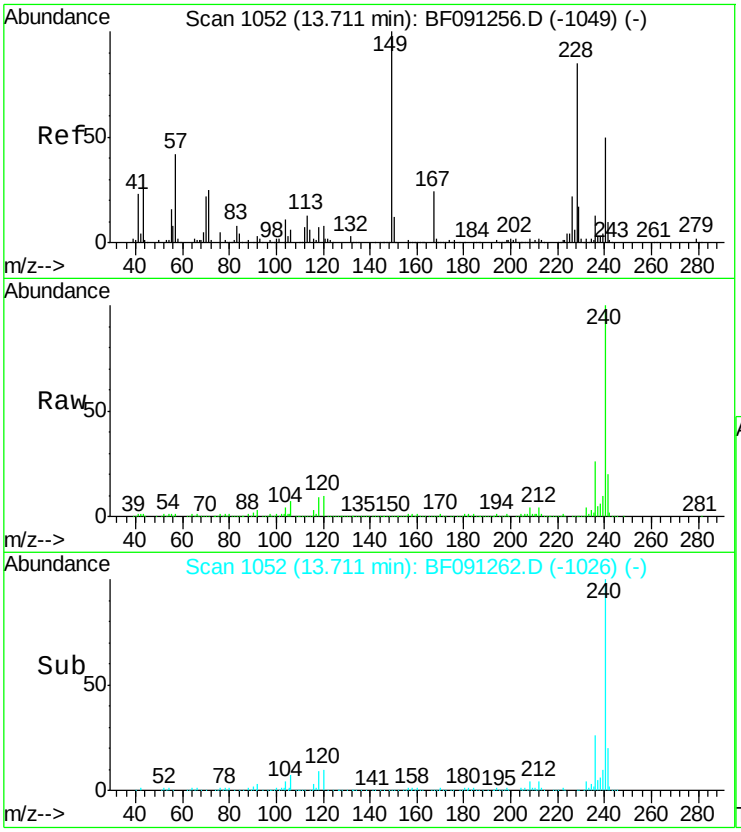


#71
Anthracene
Concen: 18.11 ng
RT: 11.12 min Scan# 825
Delta R.T. -0.05 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:178 Resp: 679978

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	17.3	12.7	19.1



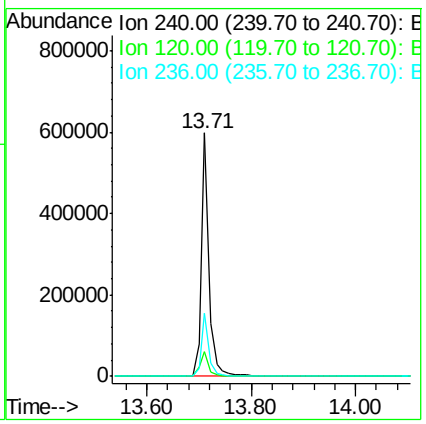


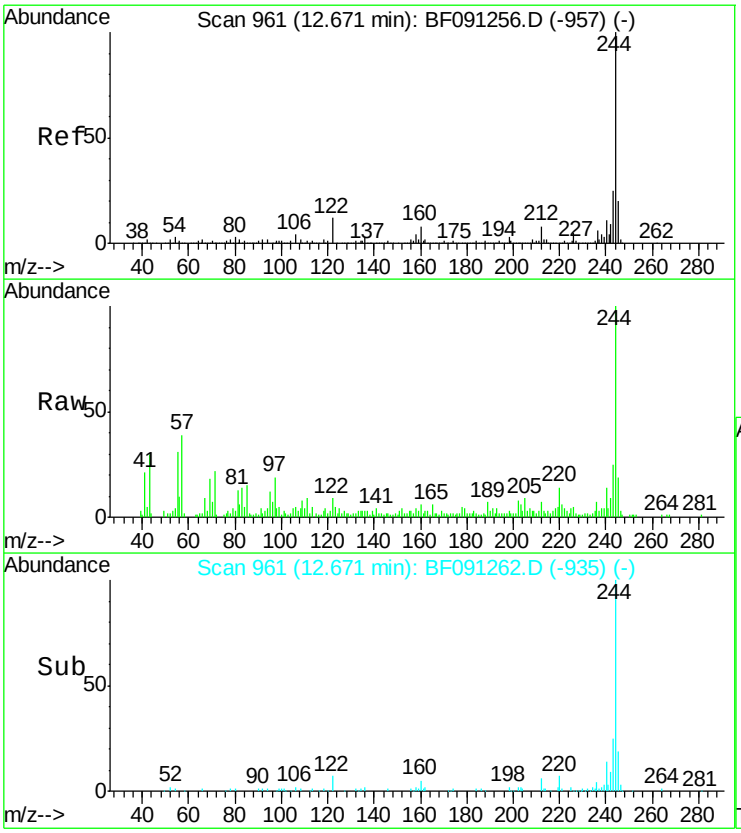
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:240 Resp: 609334

Ion	Ratio	Lower	Upper
240	100		
120	10.1	12.1	18.1#
236	26.0	21.0	31.6

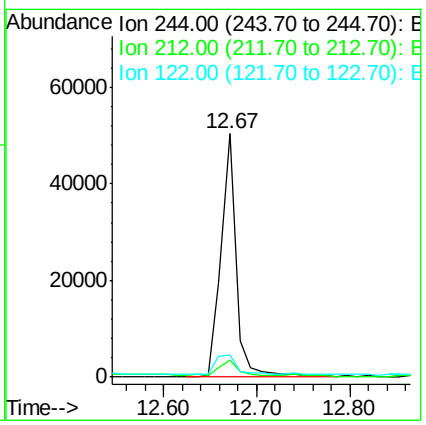


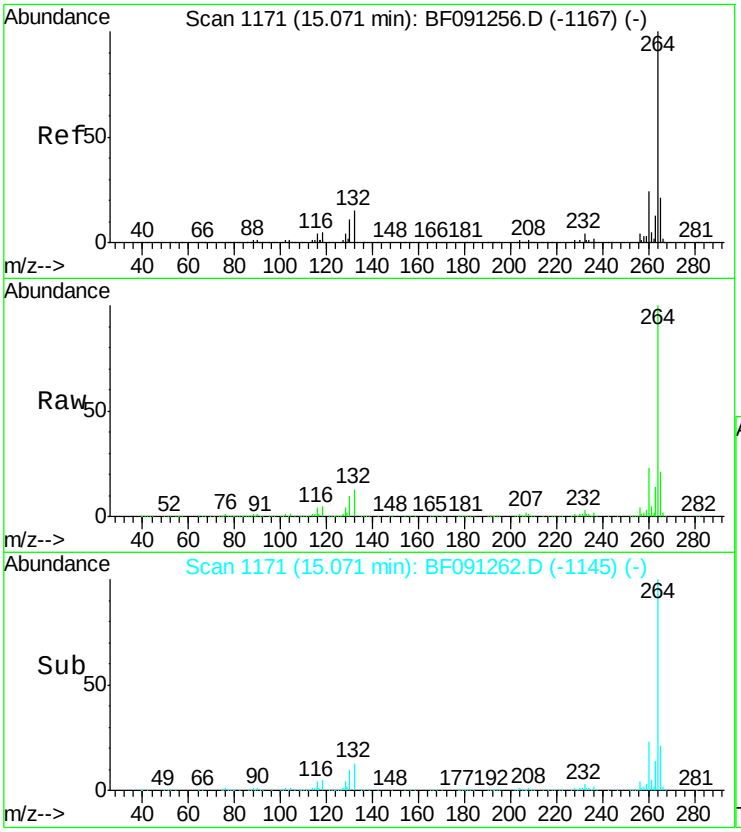


#78
Terphenyl-d14
Concen: 2.14 ng
RT: 12.67 min Scan# 961
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:244 Resp: 57476

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	9.1	9.5	14.3#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tgt Ion:264 Resp: 476560

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.4	17.0	25.6