Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082614.D
Acq On : 31 Oct 2015 11:42
Operator : UM/IZ
Sample : G4178-01RE
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1-BOILERROOM2.5FTDEEP

Quant Time: Nov 02 00:28:10 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 31 00:17:39 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	966224	20.00	ng		0.16
21) Naphthalene-d8	8.19	136	857817	20.00	ng		0.00
38) Acenaphthene-d10	9.95	164	442201	20.00	ng		0.00
63) Phenanthrene-d10	11.44	188	718425	20.00	ng		0.00
75) Chrysene-d12	14.09	240	461155	20.00	ng		0.01
86) Perylene-d12	15.55	264	494746	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	2145812	33.45	ng		0.02
7) Phenol-d6	6.54	99	2891354	33.93	ng		0.01
23) Nitrobenzene-d5	7.47	82	1888321	89.89	ng		0.00
41) 2,4,6-Tribromophenol	10.74	330	567122	117.19	ng		0.00
44) 2-Fluorobiphenyl	9.28	172	2701279	86.73	ng		0.00
78) Terphenyl-d14	13.03	244	2116641	100.45	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	277437	4.29	ng	#	72
31) Naphthalene	8.22	128	4974684	107.17	ng	#	91
33) 4-Chloroaniline	8.22	127	831267	41.95	ng	#	29
37) 2-Methylnaphthalene	8.91	142	962624	32.00	ng		98
45) 1,1'-Biphenyl	9.37	154	304905	8.16	ng		96
48) Acenaphthylene	9.80	152	332528	7.13	ng		99
49) Dimethylphthalate	9.66	163	736971	20.41	ng		98
51) Acenaphthene	9.98	154	1045386	35.30	ng		99
54) Dibenzofuran	10.16	168	1532657	38.14	ng		96
55) 4-Nitrophenol	10.16	139	679486	108.44	ng	#	2
57) Fluorene	10.50	166	1360369	41.97	ng		99
61) 4-Nitroaniline	10.50	138	17373	2.19	ng	#	7
66) 4-Bromophenyl-phenylether	10.74	248	40883	5.02	ng	#	1
70) Phenanthrene	11.53	178	3209639	79.21	ng		98
71) Anthracene	11.53	178	3209639	78.67	ng		97
72) Carbazole	11.66	167	1243183	34.98	ng		99
74) Fluoranthene	12.67	202	6536697	157.80	ng		86
77) Pyrene	12.90	202	5744790	168.23	ng	#	91
80) Benzo(a)anthracene	14.08	228	3016647	102.98	ng		96
81) 3,3'-Dichlorobenzidine	14.12	252	20953	2.08	ng	#	5
82) Chrysene	14.11	228	1920264	72.32	ng		96
83) Bis(2-ethylhexyl)phthalate	14.08	149	44978	2.32	ng	#	93
85) Indeno(1,2,3-cd)pyrene	17.00	276	1532972	69.96	ng		94
87) Benzo(b)fluoranthene	15.14	252	3791837	111.15	ng	#	96
88) Benzo(k)fluoranthene	15.14	252	3791837	145.89	ng	#	95
89) Benzo(a)pyrene	15.59	252	668074	24.87	ng		97
90) Dibenzo(a,h)anthracene	17.00	278	354555	14.14	ng		95
91) Benzo(g,h,i)perylene	17.44	276	1402810	57.74	ng		99

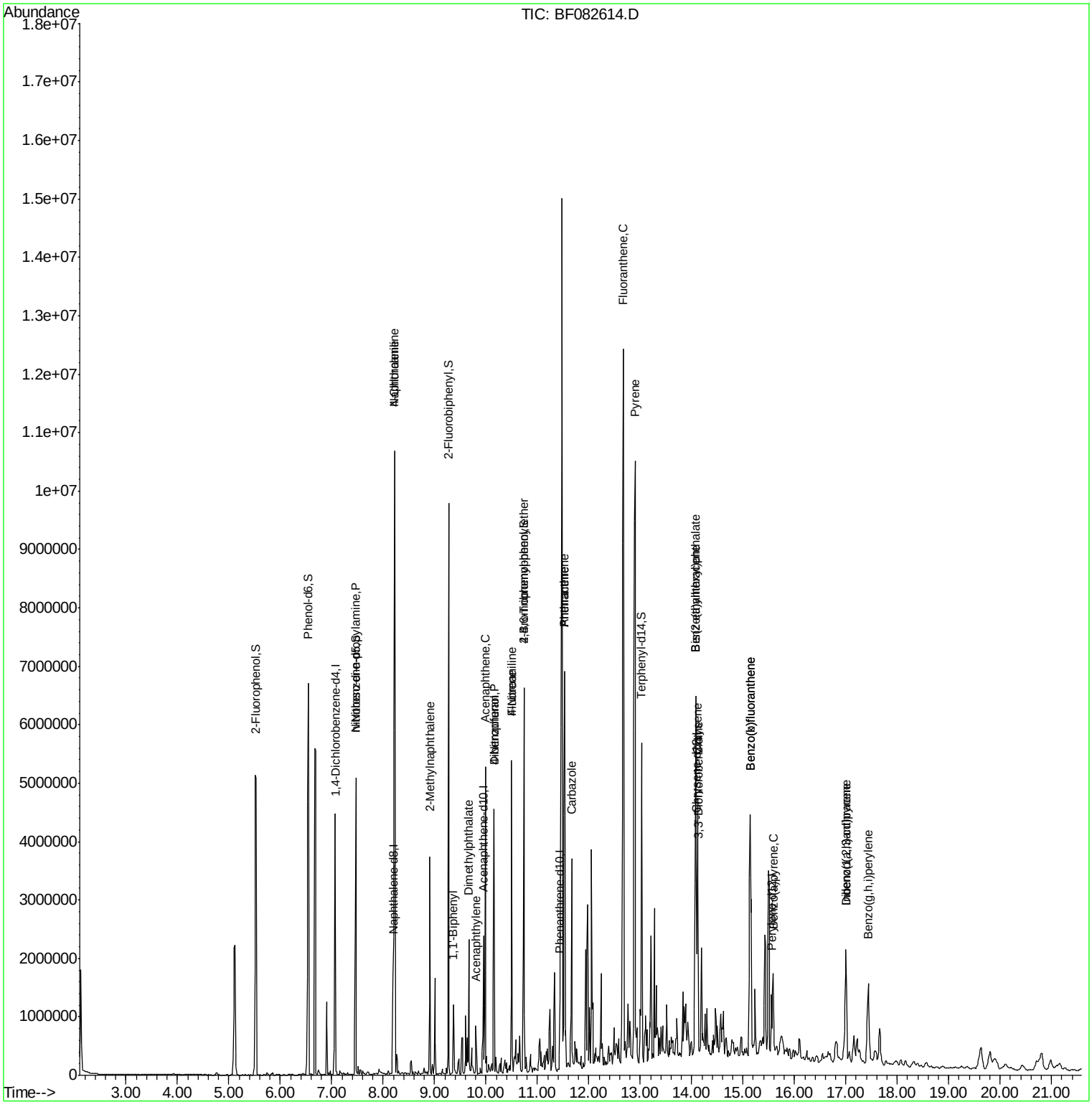
(#) = qualifier out of range (m) = manual integration (+) = signals summed

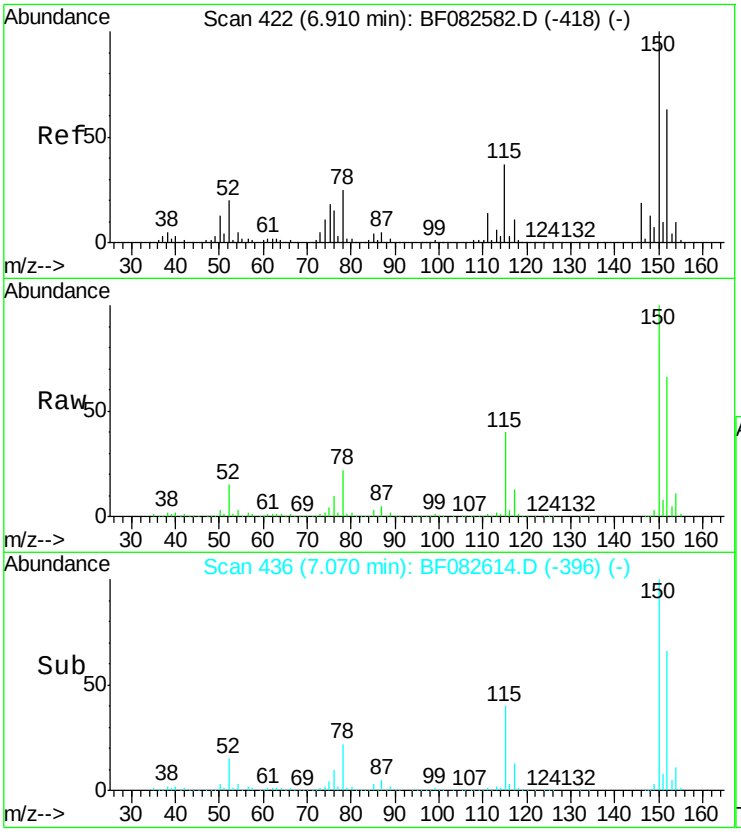
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082614.D
Acq On : 31 Oct 2015 11:42
Operator : UM/IZ
Sample : G4178-01RE
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Quant Time: Nov 02 00:28:10 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 31 00:17:39 2015
Response via : Initial Calibration



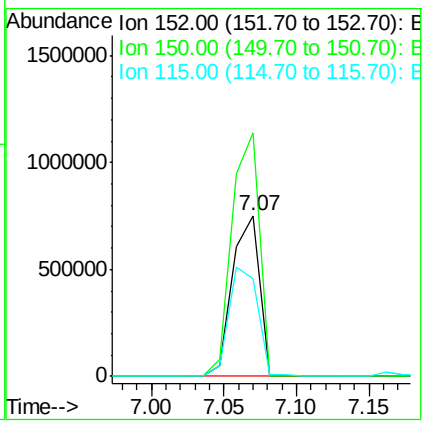


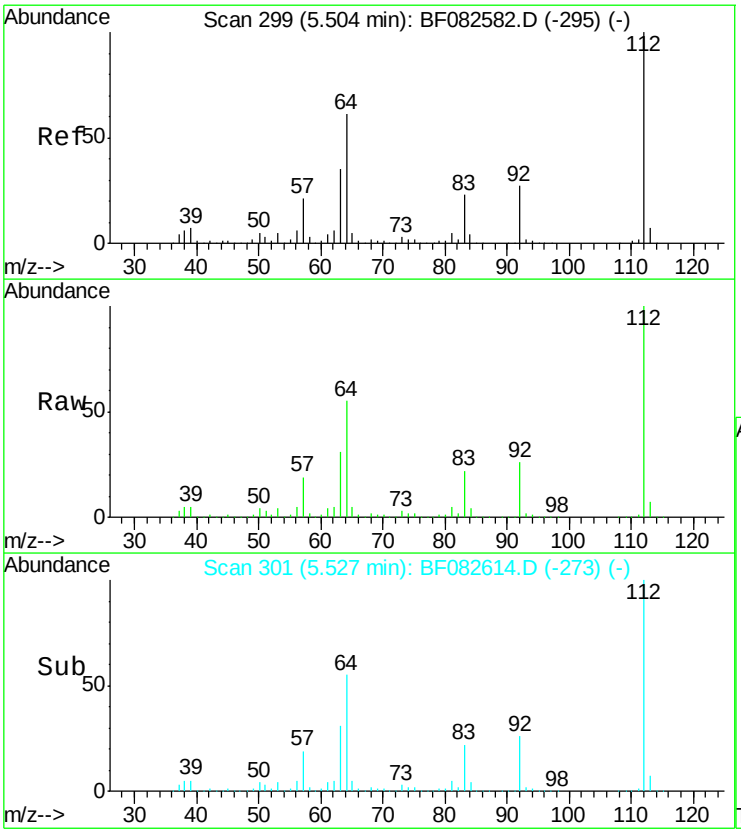
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 436
Delta R.T. 0.16 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:152 Resp: 966224

Ion	Ratio	Lower	Upper
152	100		
150	151.4	127.0	190.4
115	60.5	47.0	70.6

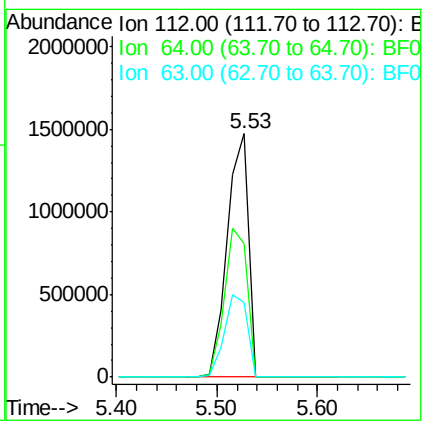


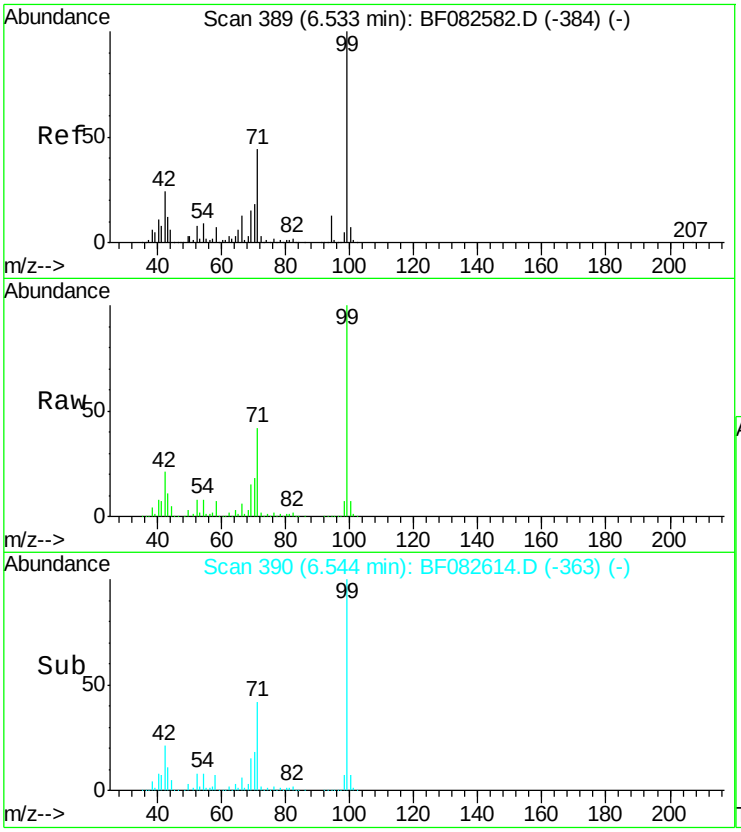


#5
2-Fluorophenol
Concen: 33.45 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.02 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:112 Resp: 2145812

Ion	Ratio	Lower	Upper
112	100		
64	55.0	48.9	73.3
63	30.7	28.1	42.1



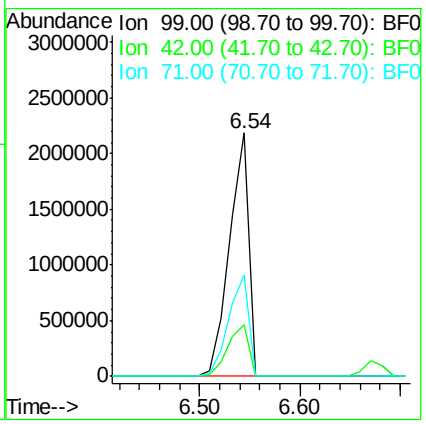


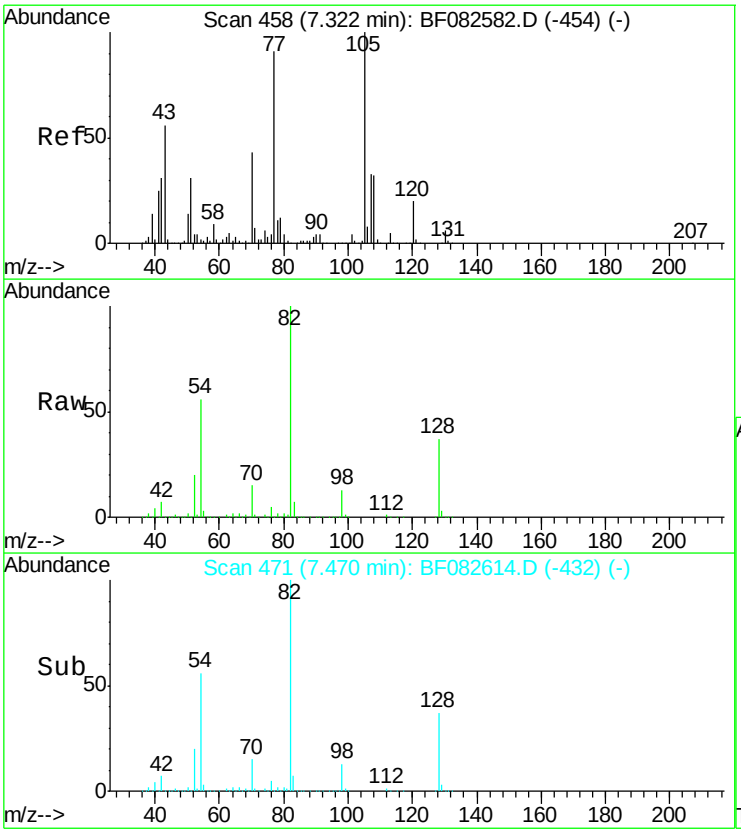
#7
Phenol-d6
Concen: 33.93 ng
RT: 6.54 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion: 99 Resp: 2891354

Ion	Ratio	Lower	Upper
99	100		
42	21.2	19.2	28.8
71	41.8	35.0	52.4

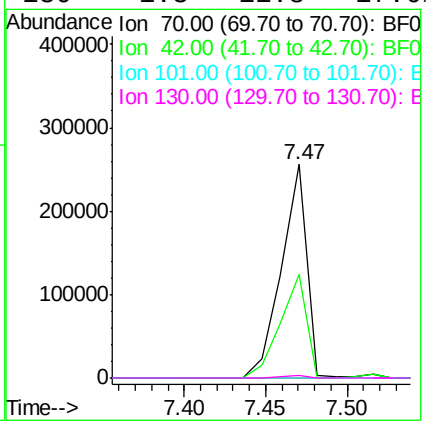


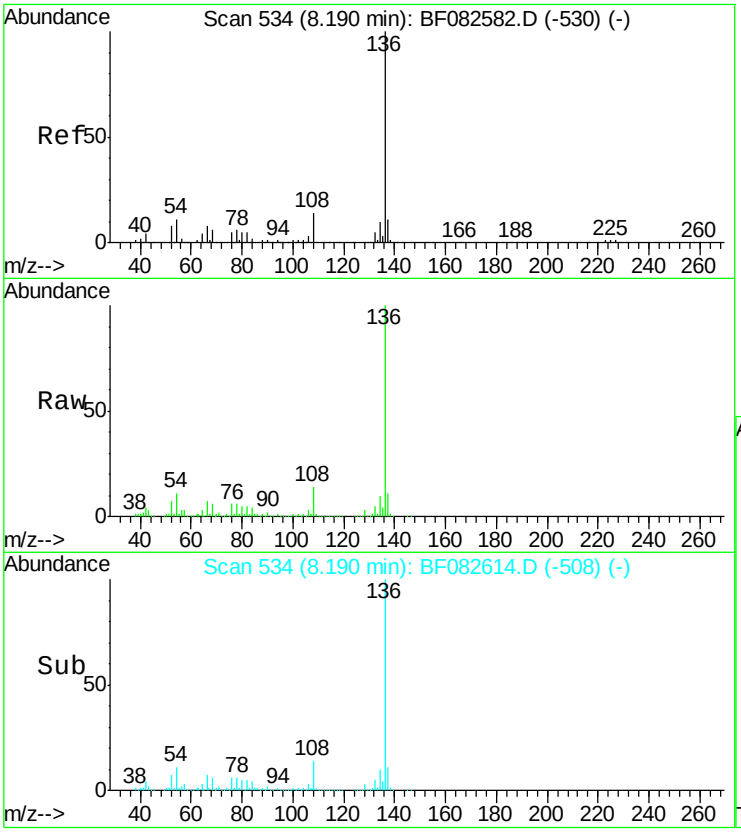


#19
n-Nitroso-di-n-propylamine
Concen: 4.29 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.15 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion: 70 Resp: 277437

Ion	Ratio	Lower	Upper
70	100		
42	48.7	57.7	86.5#
101	0.0	7.0	10.6#
130	1.3	11.8	17.6#



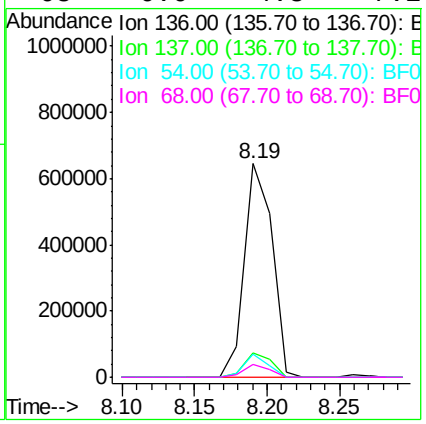


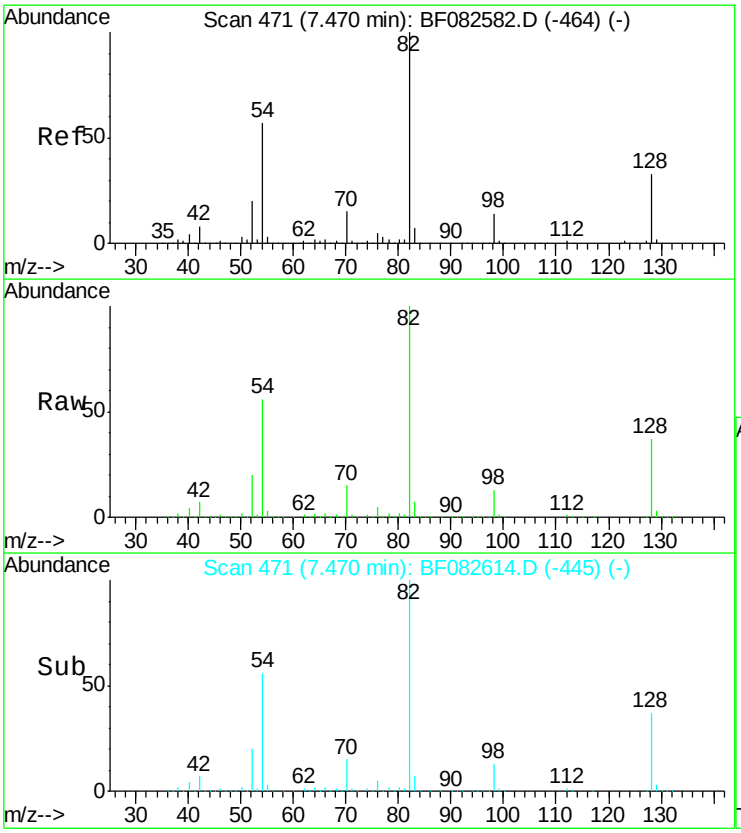
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:136 Resp: 857817

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.8	9.1	13.7
68	6.0	4.8	7.2

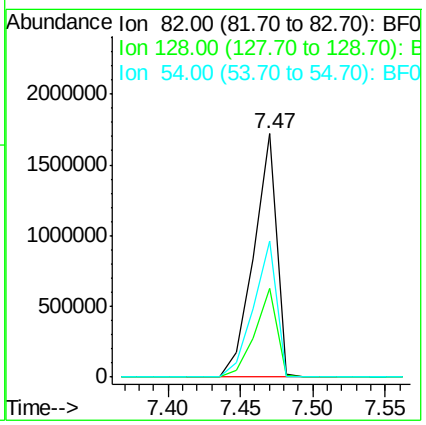


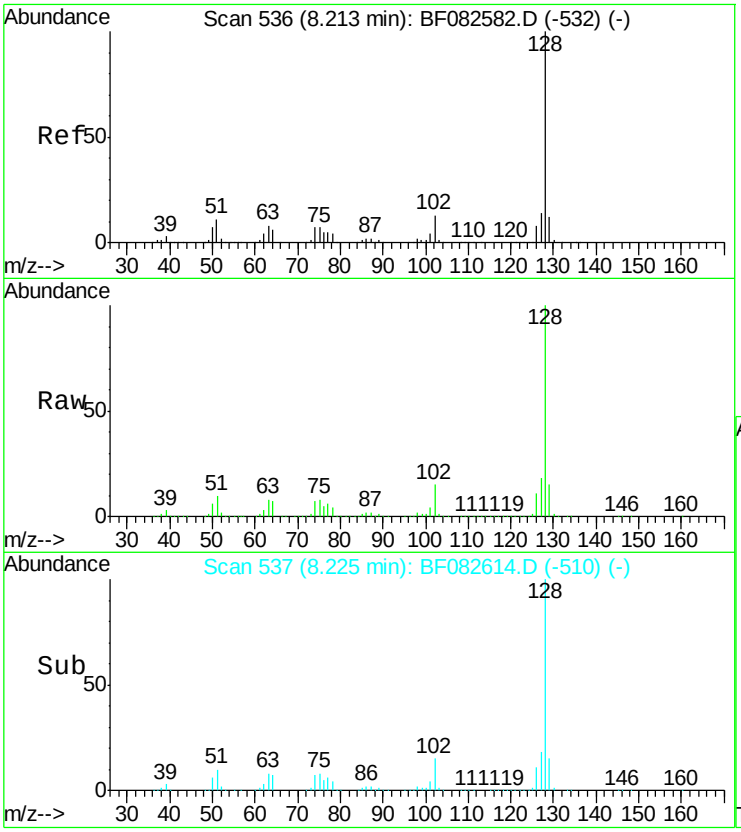


#23
Nitrobenzene-d5
Concen: 89.89 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion: 82 Resp: 1888321

Ion	Ratio	Lower	Upper
82	100		
128	36.5	26.8	40.2
54	55.8	45.7	68.5



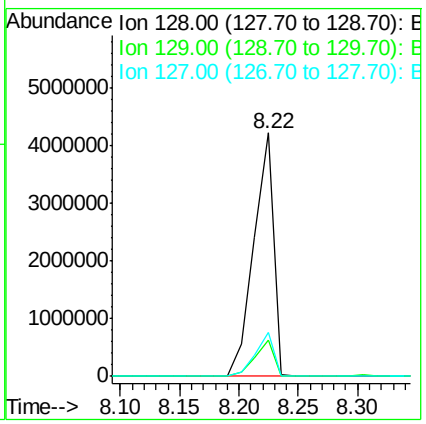


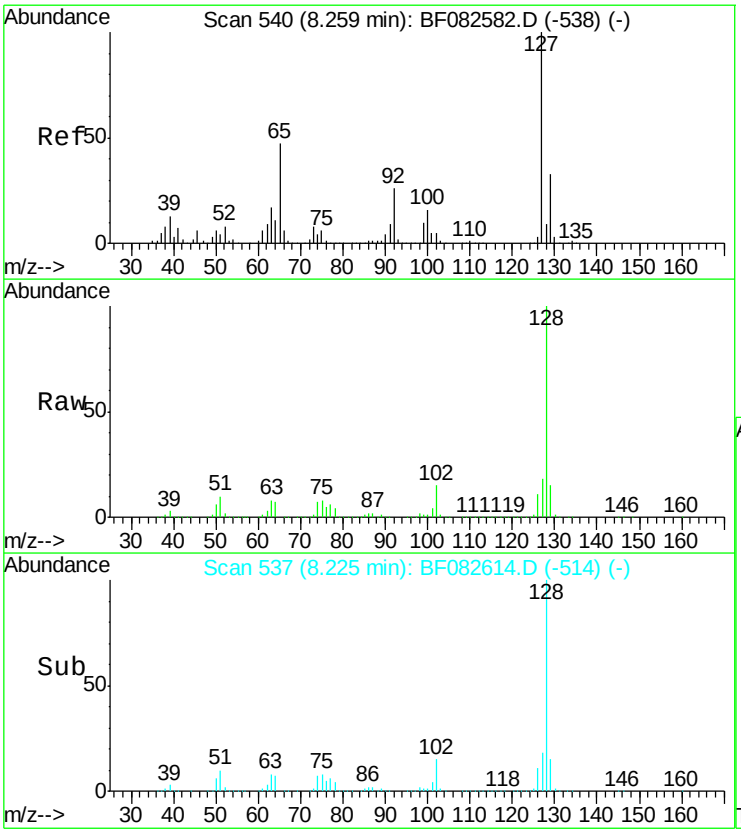
#31
Naphthalene
Concen: 107.17 ng
RT: 8.22 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:128 Resp: 4974684

Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.5	14.3#
127	18.2	11.4	17.0#

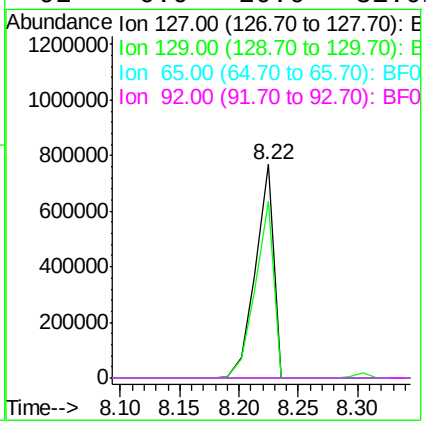


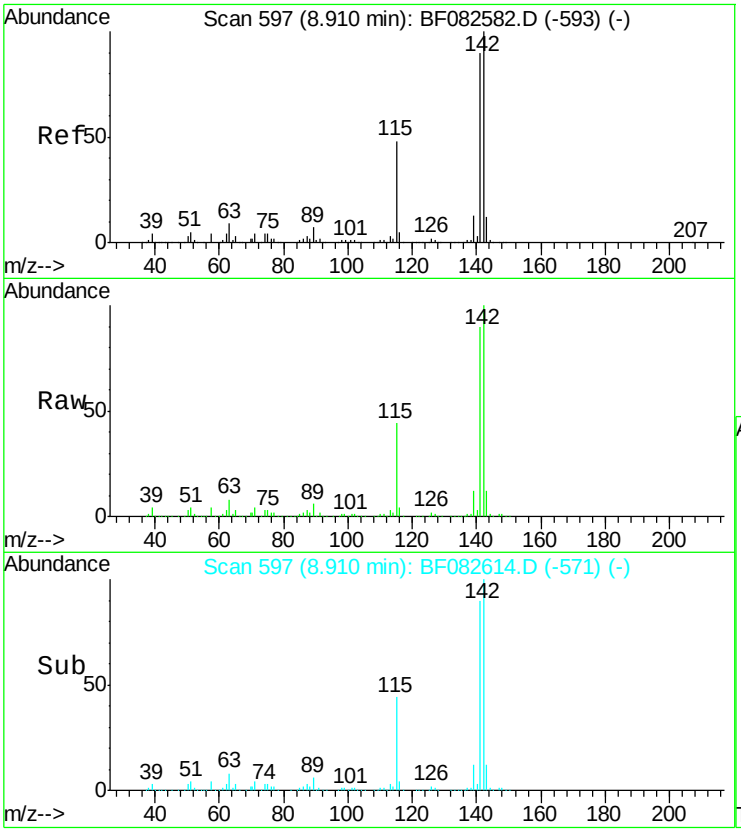


#33
4-Chloroaniline
Concen: 41.95 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:127 Resp: 831267

Ion	Ratio	Lower	Upper
127	100		
129	82.8	26.3	39.5#
65	0.0	37.8	56.8#
92	0.0	20.6	31.0#



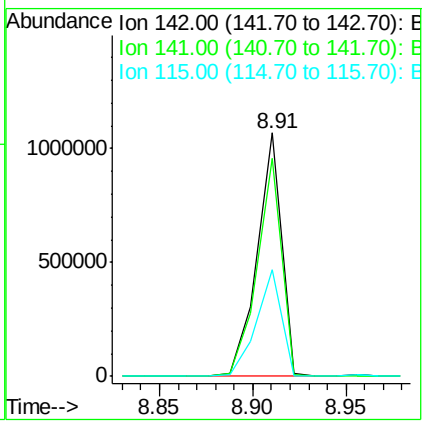


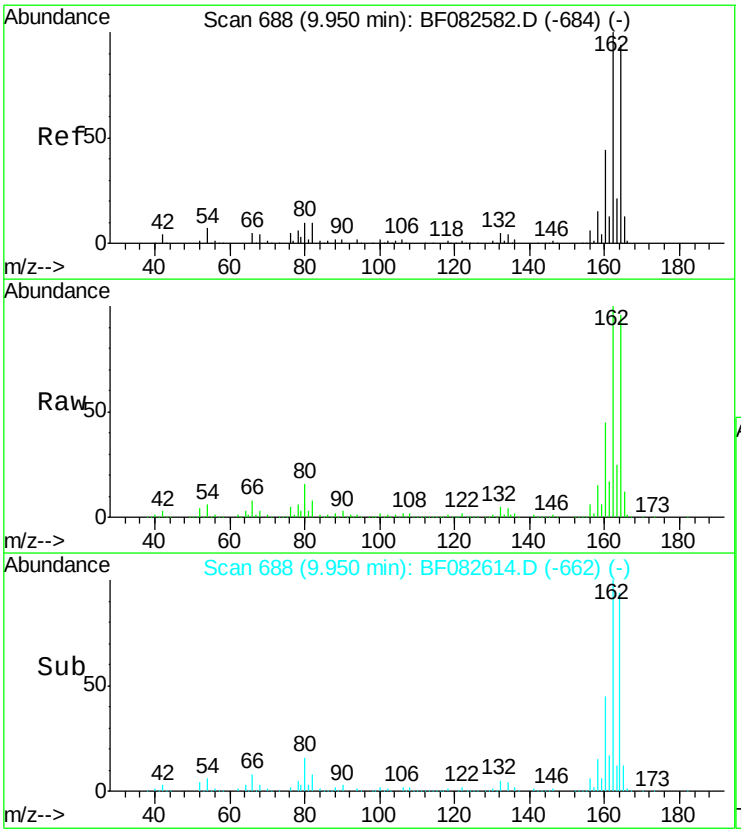
#37
2-Methylnaphthalene
Concen: 32.00 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:142 Resp: 962624

Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.3	108.5
115	43.9	38.1	57.1

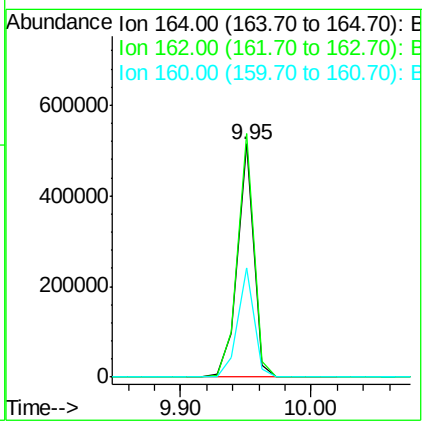


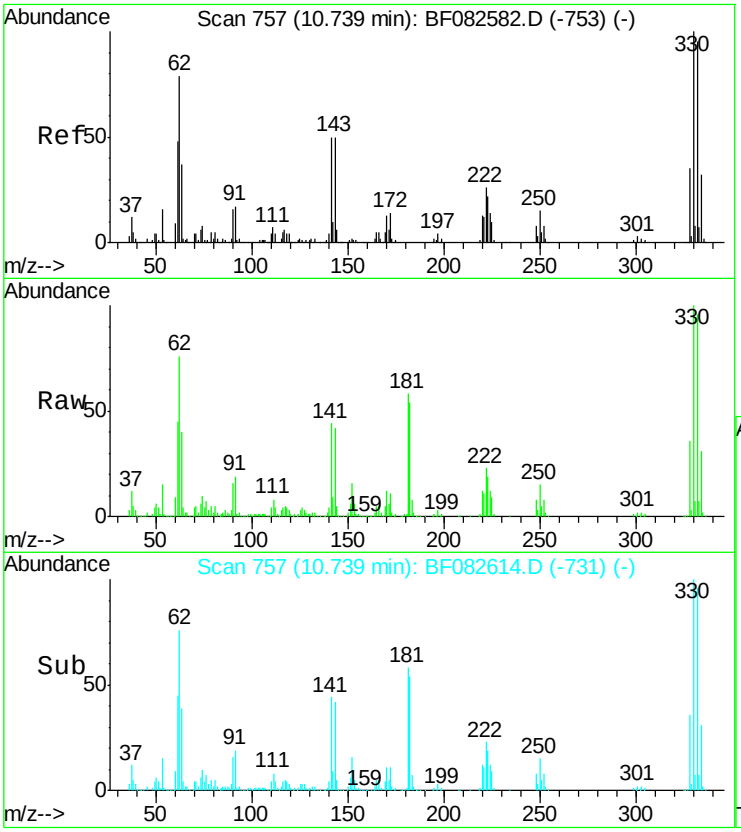


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:164 Resp: 442201

Ion	Ratio	Lower	Upper
164	100		
162	104.6	84.9	127.3
160	46.7	37.5	56.3



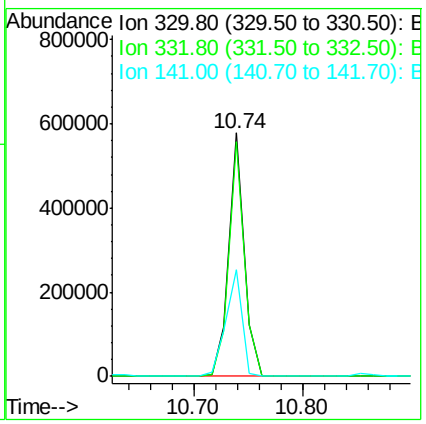


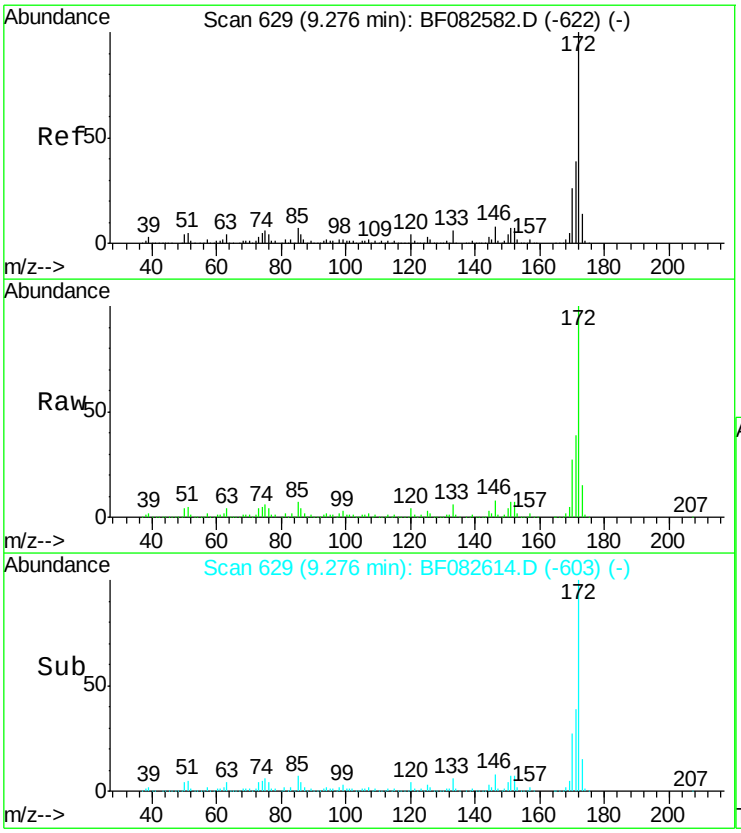
#41
2,4,6-Tribromophenol
Concen: 117.19 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:330 Resp: 567122

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	45.6	41.2	61.8

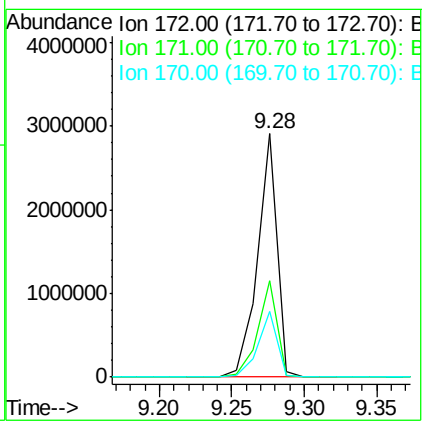


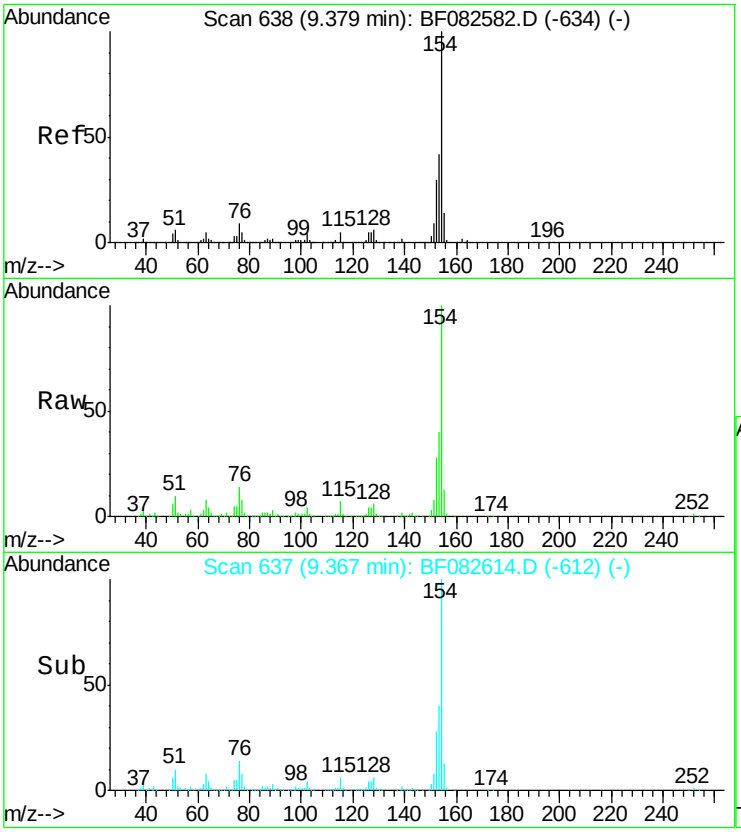


#44
2-Fluorobiphenyl
Concen: 86.73 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:172 Resp: 2701279

Ion	Ratio	Lower	Upper
172	100		
171	39.4	30.8	46.2
170	27.1	21.2	31.8



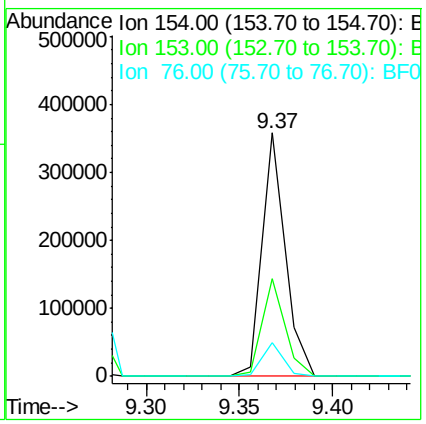


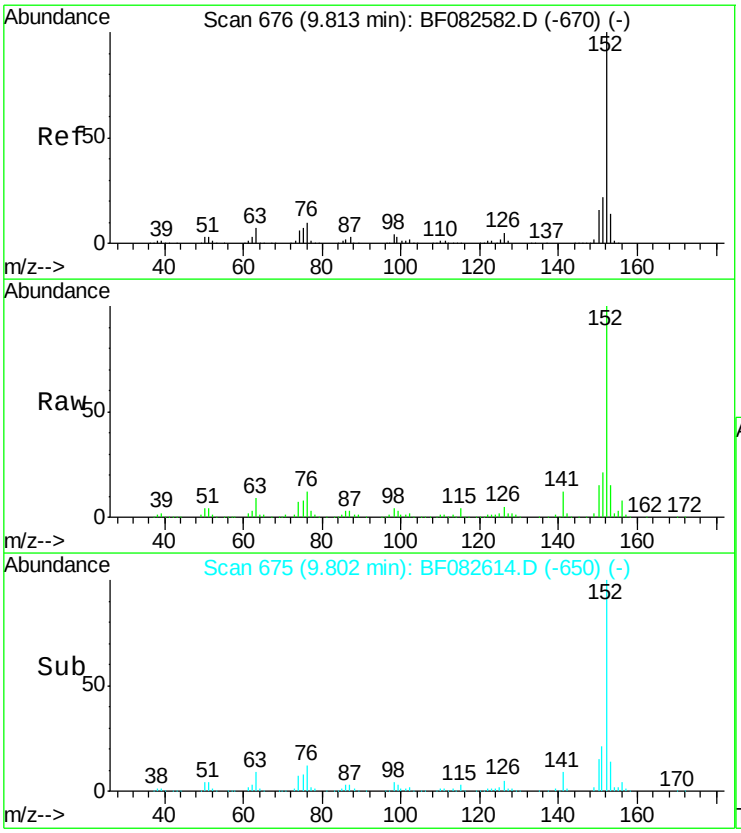
#45
1,1'-Biphenyl
Concen: 8.16 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:154 Resp: 304905

Ion	Ratio	Lower	Upper
154	100		
153	40.3	22.0	62.0
76	13.6	0.0	29.0

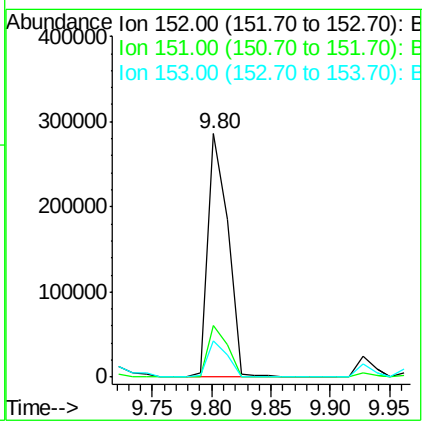


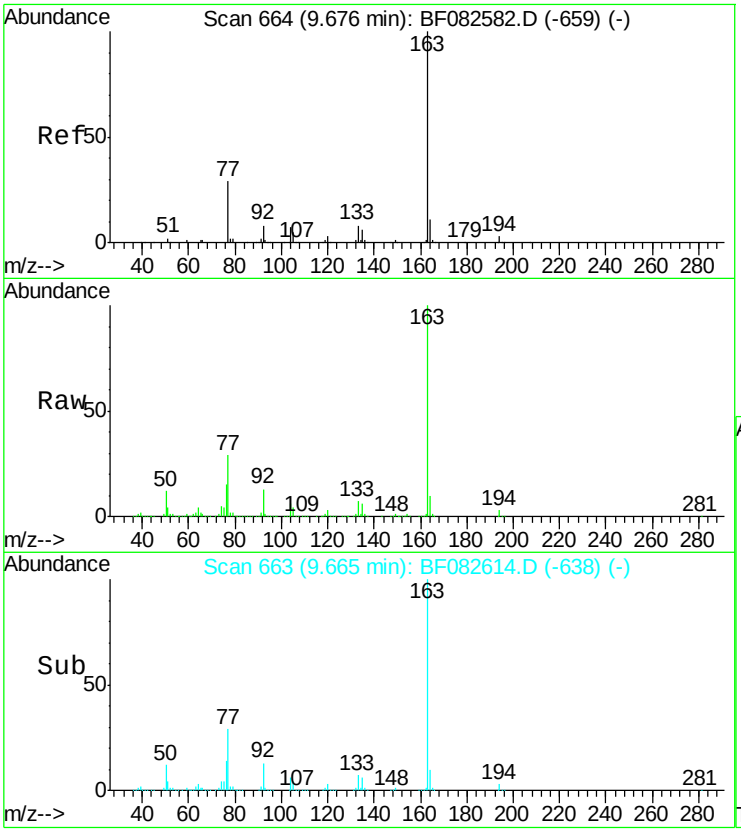


#48
Acenaphthylene
Concen: 7.13 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:152 Resp: 332528

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.3	25.9
153	14.7	11.3	16.9



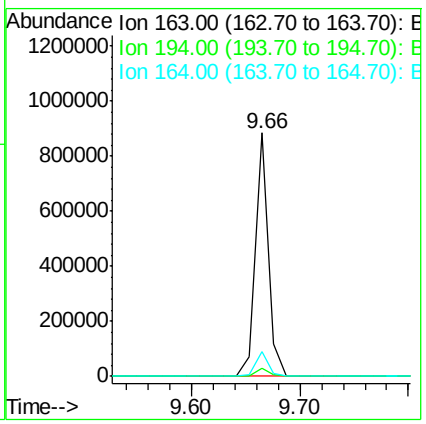


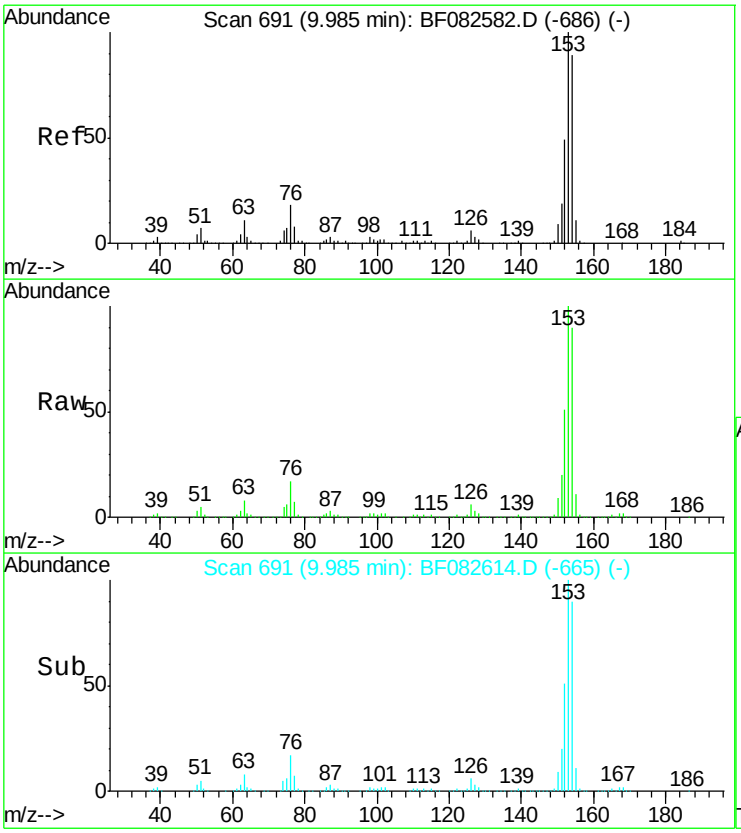
#49
Dimethylphthalate
Concen: 20.41 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:163 Resp: 736971

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.1	8.7	13.1

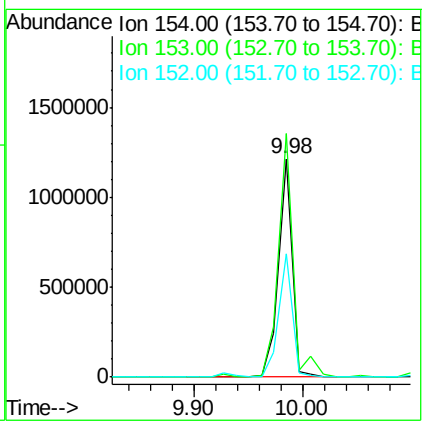


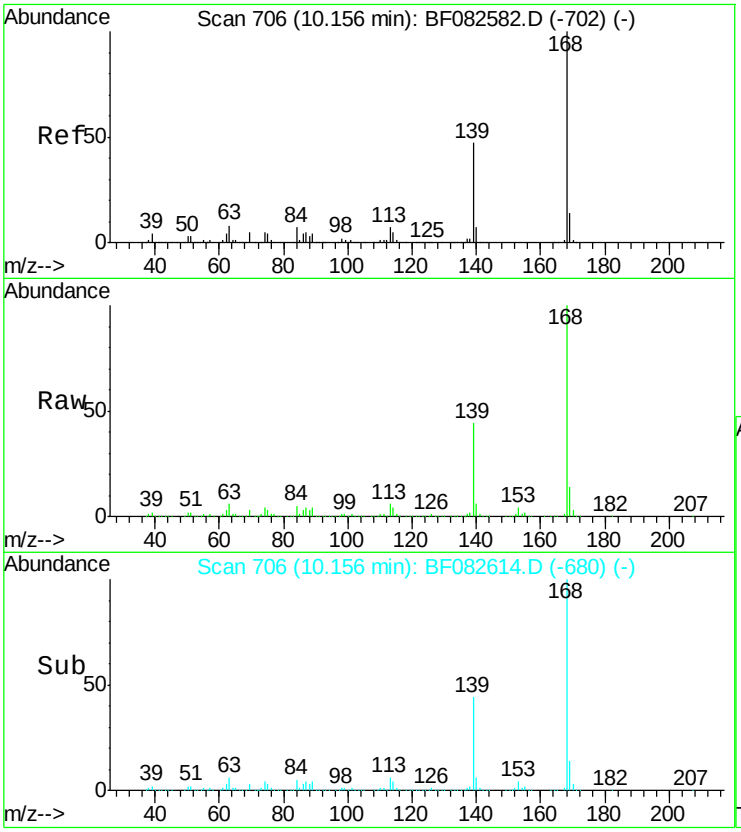


#51
Acenaphthene
Concen: 35.30 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:154 Resp: 1045386

Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.1	135.1
152	56.4	44.3	66.5



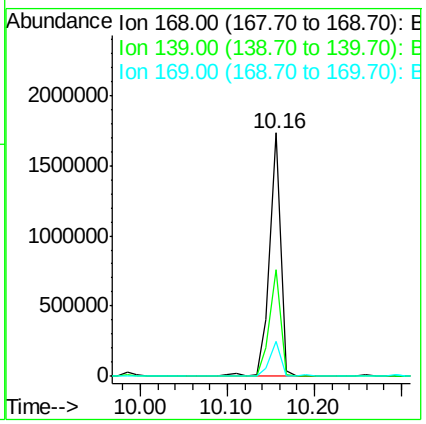


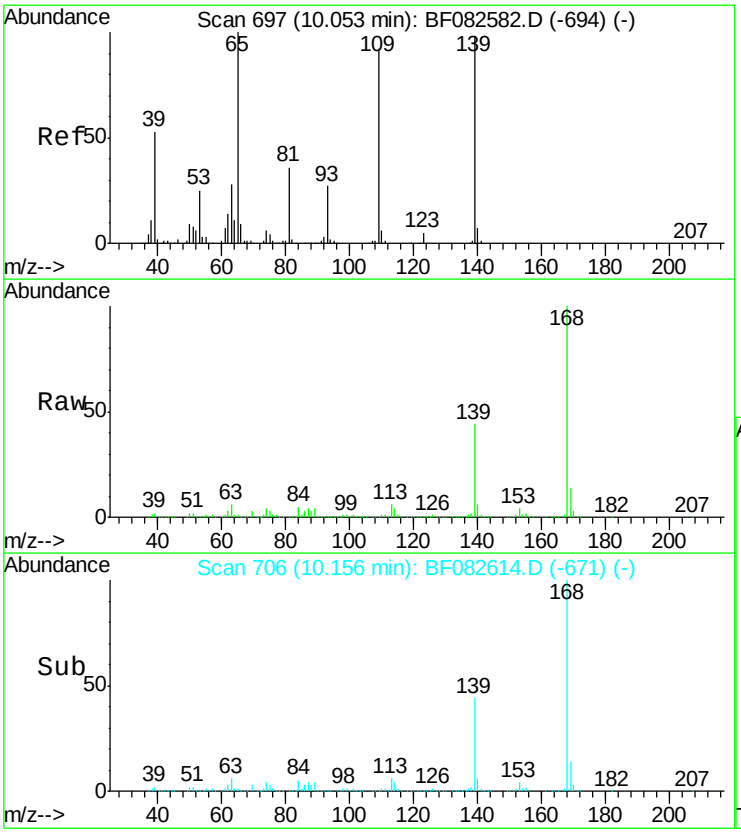
#54
Dibenzofuran
Concen: 38.14 ng
RT: 10.16 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:168 Resp: 1532657

Ion	Ratio	Lower	Upper
168	100		
139	44.0	37.8	56.6
169	14.5	11.3	16.9

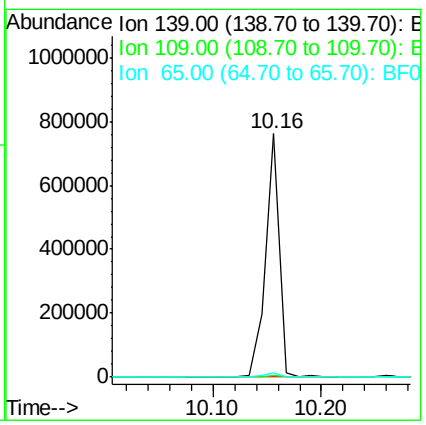


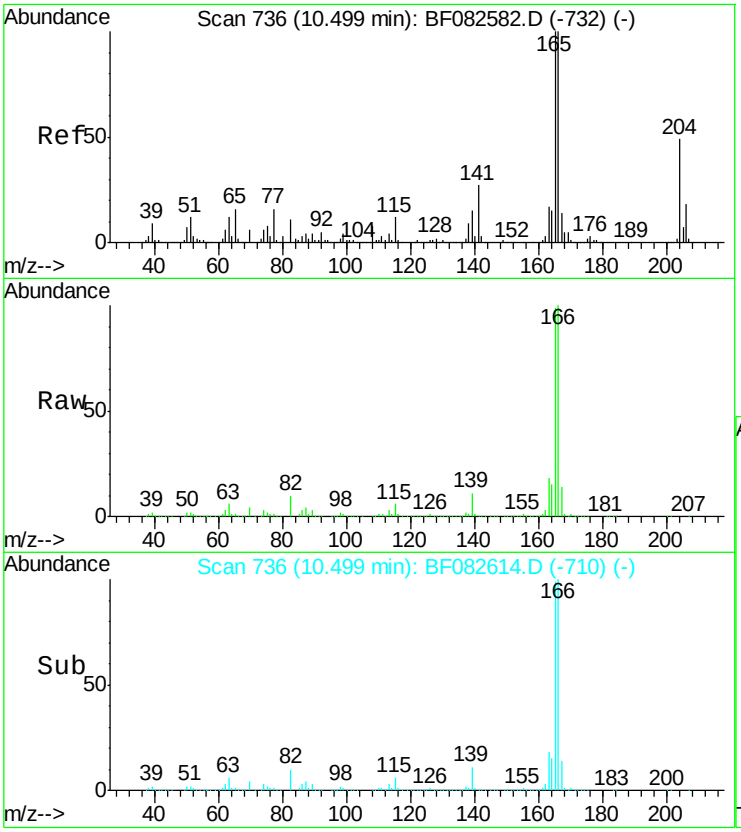


#55
4-Nitrophenol
Concen: 108.44 ng
RT: 10.16 min Scan# 706
Delta R.T. 0.10 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:139 Resp: 679486

Ion	Ratio	Lower	Upper
139	100		
109	0.9	73.7	113.7#
65	1.7	82.9	122.9#



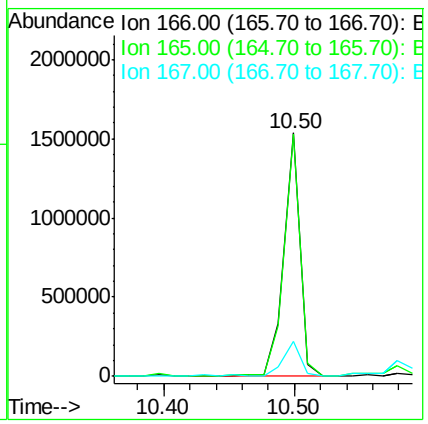


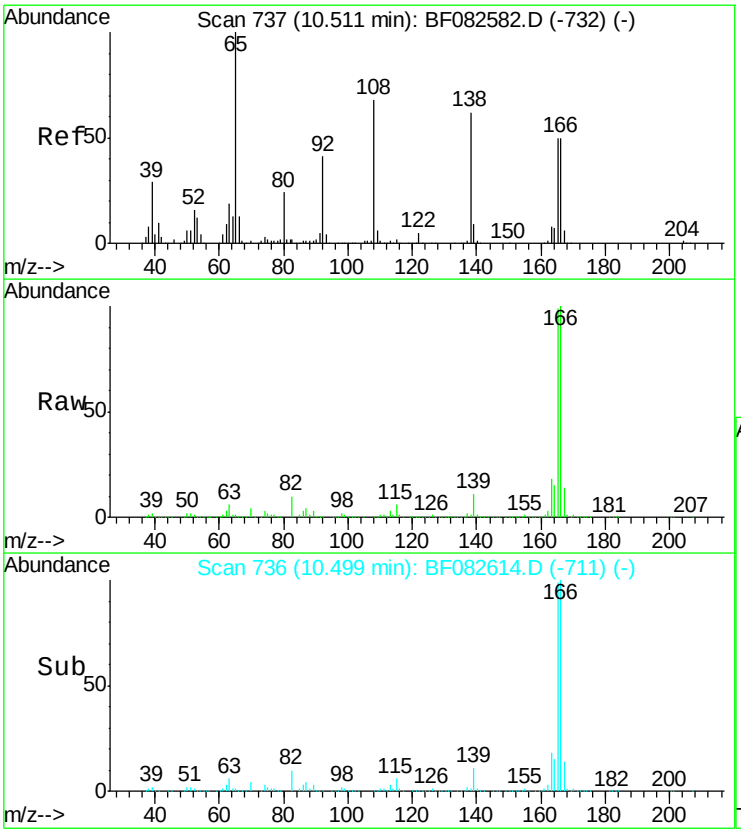
#57
Fluorene
Concen: 41.97 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:166 Resp: 1360369

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.2	120.4
167	14.4	11.2	16.8

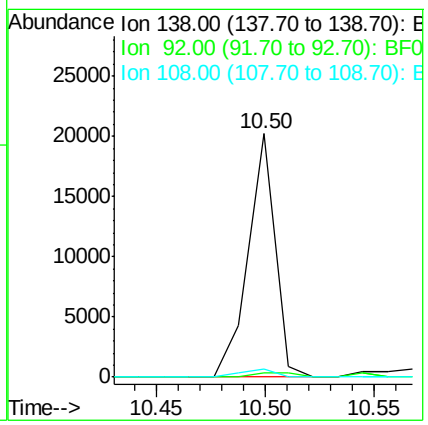


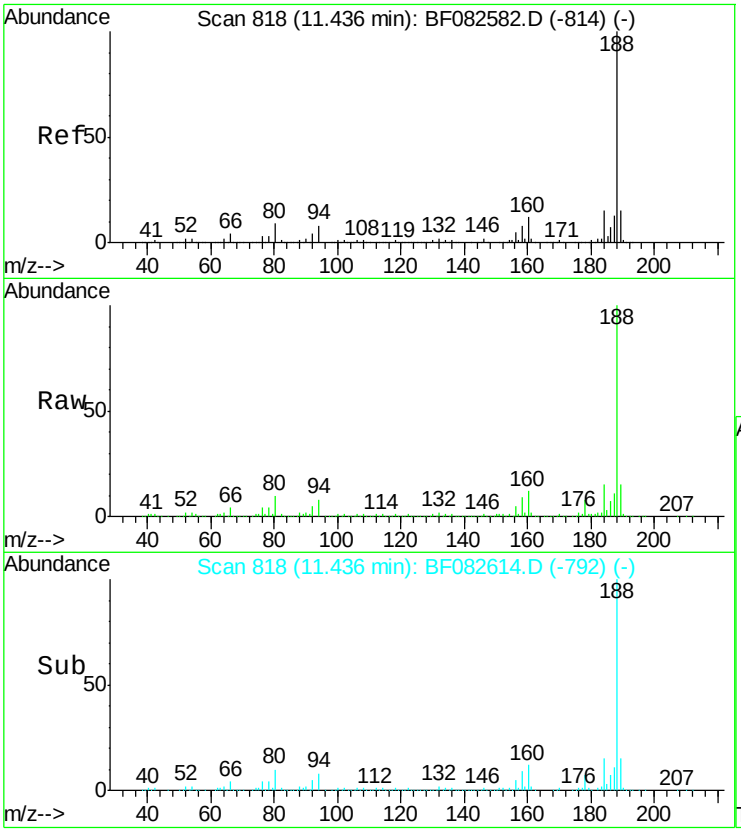


#61
4-Nitroaniline
Concen: 2.19 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:138 Resp: 17373

Ion	Ratio	Lower	Upper
138	100		
92	1.9	45.8	85.8#
108	3.2	89.4	129.4#



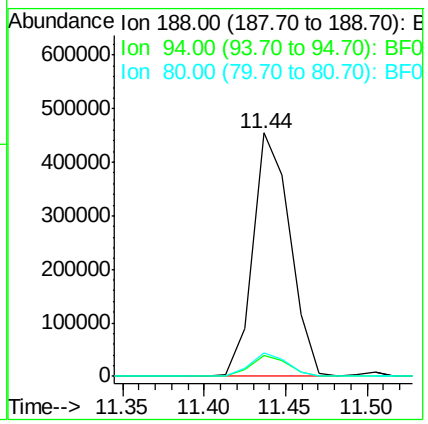


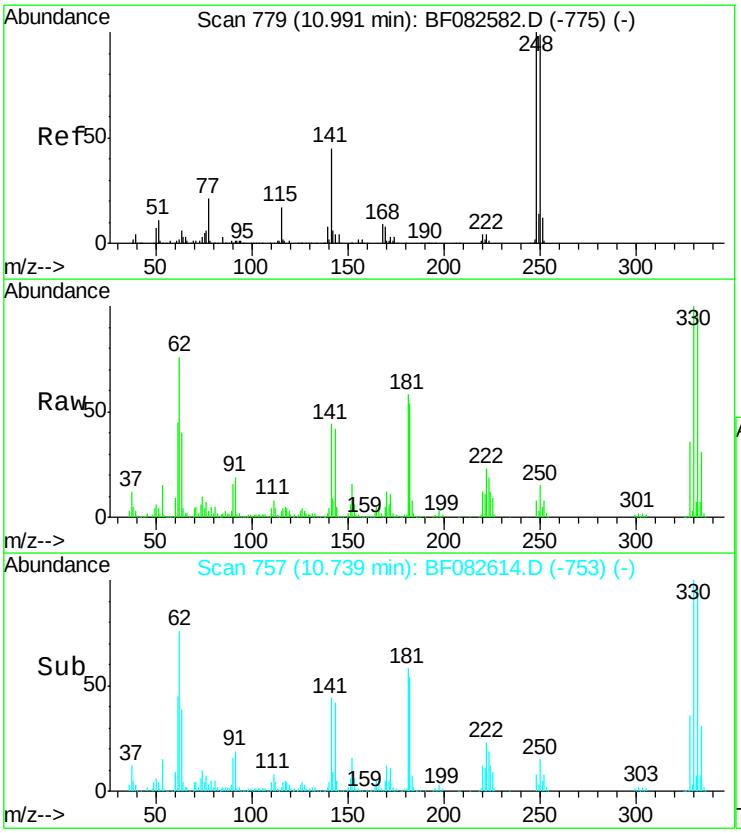
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:188 Resp: 718425

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.1	9.1
80	9.8	7.0	10.6

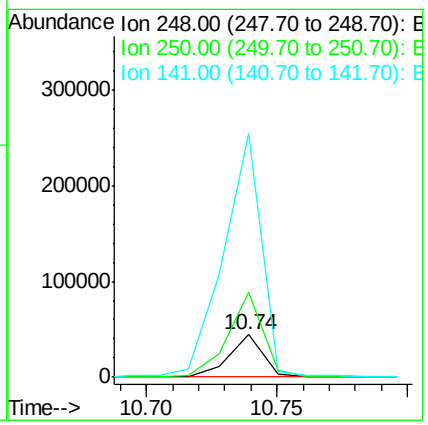


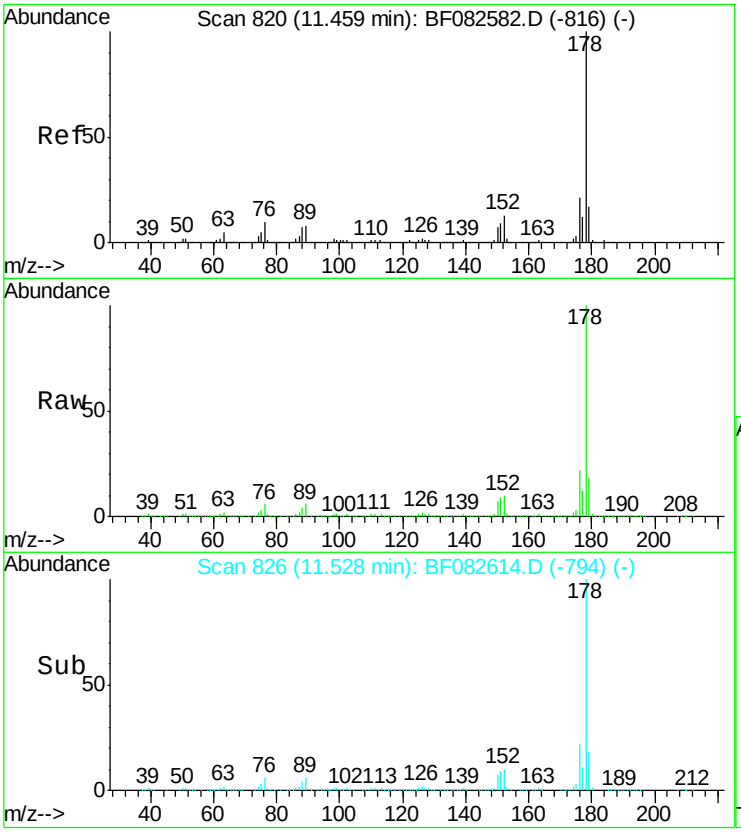


#66
4-Bromophenyl-phenylether
Concen: 5.02 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.25 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:248 Resp: 40883

Ion	Ratio	Lower	Upper
248	100		
250	201.3	79.4	119.2#
141	573.0	36.3	54.5#



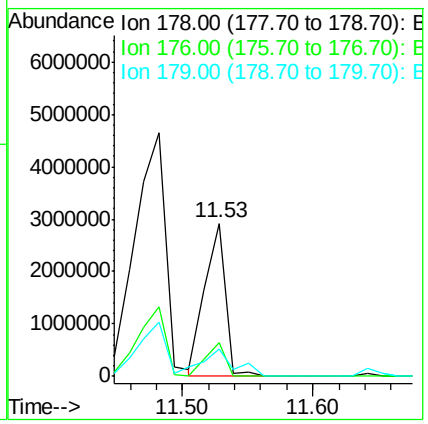


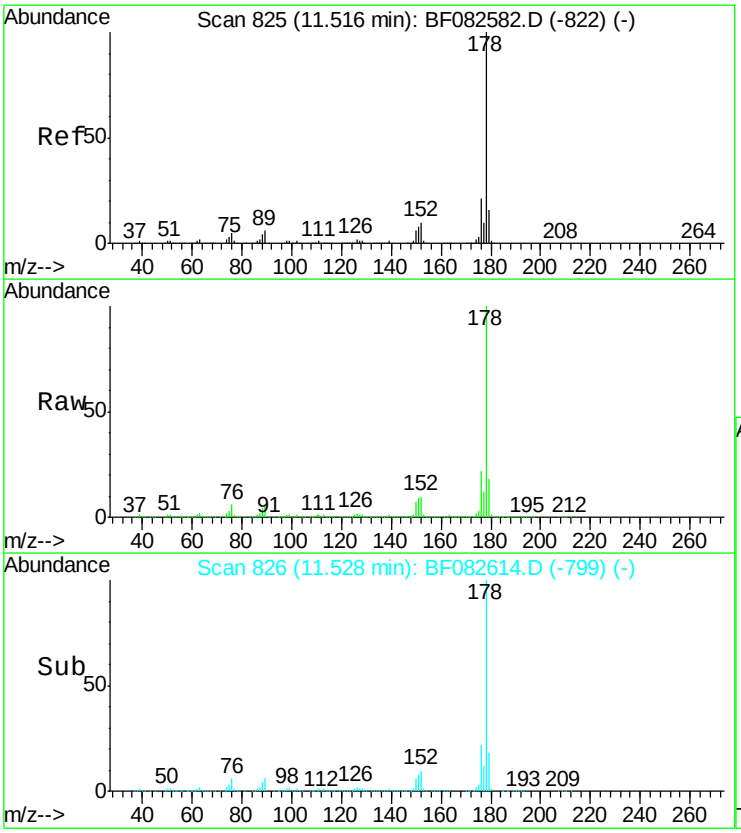
#70
Phenanthrene
Concen: 79.21 ng
RT: 11.53 min Scan# 826
Delta R.T. 0.07 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:178 Resp: 3209639

Ion	Ratio	Lower	Upper
178	100		
176	22.2	17.0	25.4
179	17.8	13.4	20.0

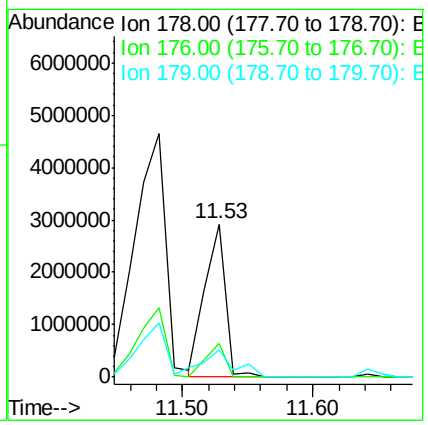


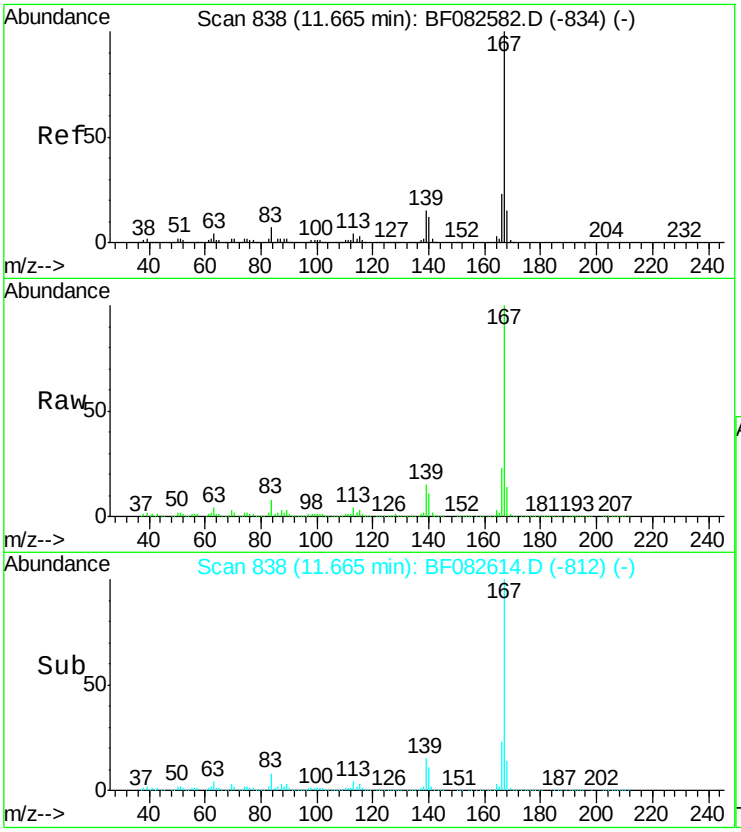


#71
Anthracene
Concen: 78.67 ng
RT: 11.53 min Scan# 826
Delta R.T. 0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:178 Resp: 3209639

Ion	Ratio	Lower	Upper
178	100		
176	22.2	16.5	24.7
179	17.8	13.2	19.8



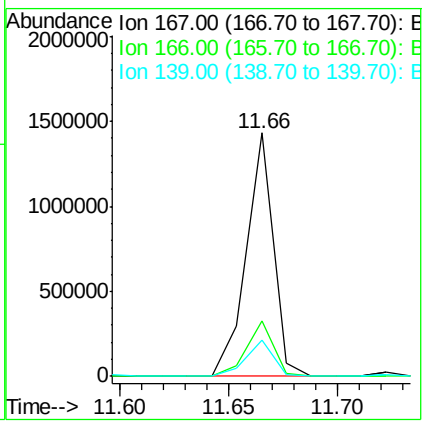


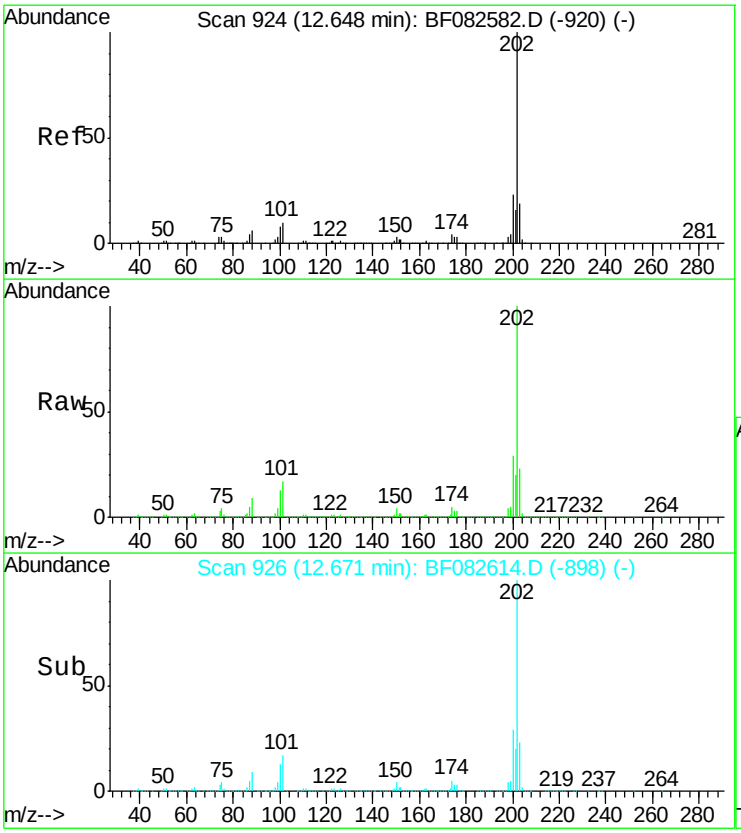
#72
Carbazole
Concen: 34.98 ng
RT: 11.66 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:167 Resp: 1243183

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.7	28.1
139	15.1	11.8	17.6

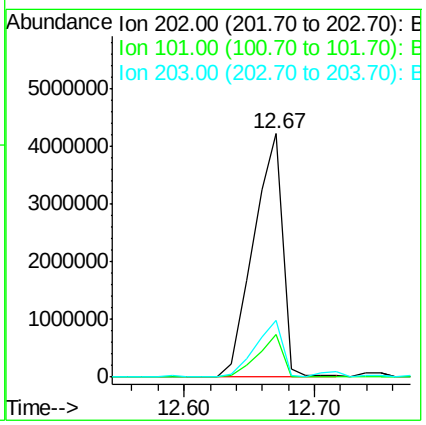


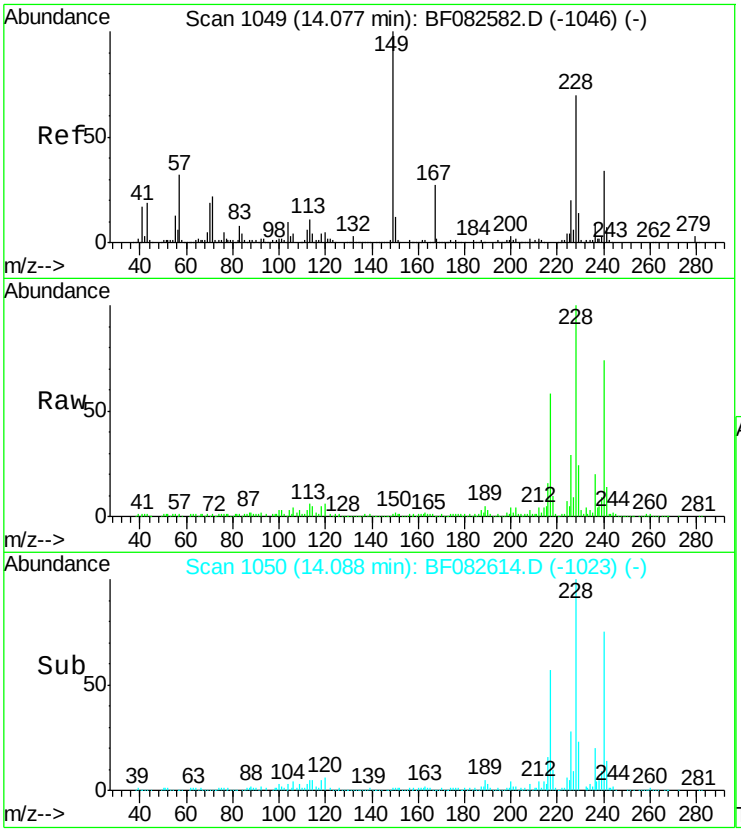


#74
Fluoranthene
Concen: 157.80 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.02 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:202 Resp: 6536697

Ion	Ratio	Lower	Upper
202	100		
101	17.5	0.0	30.5
203	23.4	0.0	38.5



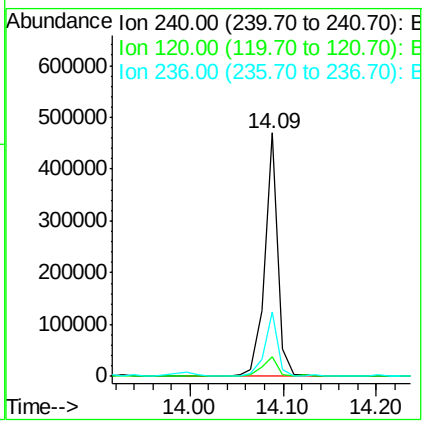


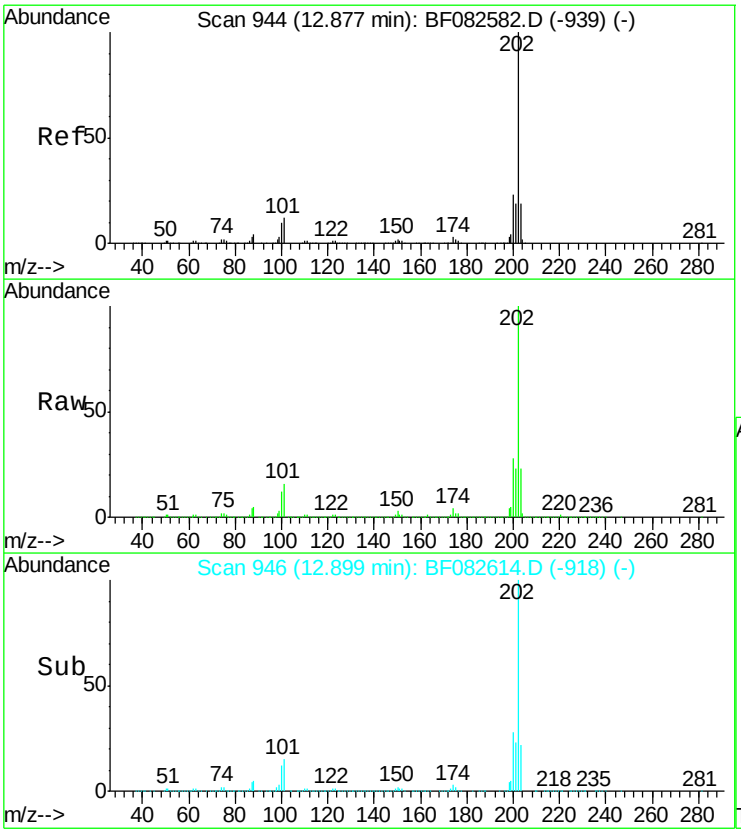
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:240 Resp: 461155

Ion	Ratio	Lower	Upper
240	100		
120	7.8	10.9	16.3#
236	26.4	21.6	32.4





#77
Pyrene
Concen: 168.23 ng
RT: 12.90 min Scan# 946
Delta R.T. 0.02 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:202 Resp: 5744790

Ion	Ratio	Lower	Upper
202	100		
200	27.9	18.7	28.1
203	22.5	14.8	22.2#