Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
Data File : BF088696.D
Acq On : 4 Jul 2016 15:30
Operator : UM/SJ
Sample : H3784-10
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : D11-B1(6-12)C

Quant Time: Jul 05 00:52:05 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	95776	20.00	ng		-0.02
21) Naphthalene-d8	8.07	136	338311	20.00	ng		-0.03
38) Acenaphthene-d10	9.83	164	134636	20.00	ng		-0.02
63) Phenanthrene-d10	11.30	188	216239	20.00	ng		-0.02
75) Chrysene-d12	13.93	240	177009	20.00	ng		-0.02
86) Perylene-d12	15.33	264	135487	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	550014	86.07	ng		-0.02
7) Phenol-d6	6.42	99	672394	81.43	ng		-0.02
23) Nitrobenzene-d5	7.35	82	424791	65.80	ng		-0.03
41) 2,4,6-Tribromophenol	10.60	330	100449	80.34	ng		-0.03
44) 2-Fluorobiphenyl	9.15	172	798993	93.74	ng		-0.02
78) Terphenyl-d14	12.89	244	528351	66.48	ng		-0.02
Target Compounds							Qvalue
13) 1,4-Dichlorobenzene	6.80	146	31591	4.21	ng	#	91
14) 1,2-Dichlorobenzene	6.80	146	31591	4.50	ng	#	87
18) Hexachloroethane	7.36	117	60040	20.69	ng	#	2
31) Naphthalene	8.09	128	83615	5.01	ng		98
33) 4-Chloroaniline	8.09	127	18245	2.46	ng	#	48
35) Caprolactam	8.51	113	7432	4.87	ng	#	21
37) 2-Methylnaphthalene	8.79	142	644211	59.99	ng	#	94
49) Dimethylphthalate	9.54	163	66064	6.89	ng	#	95
51) Acenaphthene	9.85	154	166105	19.46	ng		98
54) Dibenzofuran	10.02	168	140426	12.57	ng	#	68
55) 4-Nitrophenol	9.93	139	17015	8.29	ng	#	51
56) 2,4-Dinitrotoluene	10.02	165	6432	2.31	ng	#	1
57) Fluorene	10.36	166	74355	8.64	ng	#	90
65) n-Nitrosodiphenylamine	10.48	169	66805	9.13	ng	#	60
70) Phenanthrene	11.33	178	205729	17.40	ng		98
71) Anthracene	11.33	178	205729	17.50	ng		98
74) Fluoranthene	12.51	202	45615	3.81	ng		84
77) Pyrene	12.73	202	173000	11.53	ng	#	94
80) Benzo(a)anthracene	13.92	228	40419	3.55	ng	#	57
82) Chrysene	13.95	228	48940	4.34	ng	#	63
87) Benzo(b)fluoranthene	14.94	252	18066	2.13	ng	#	9
88) Benzo(k)fluoranthene	14.94	252	18066	2.44	ng	#	11
89) Benzo(a)pyrene	15.27	252	16073	2.23	ng	#	38

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

Quantitation Report (Not Reviewed)

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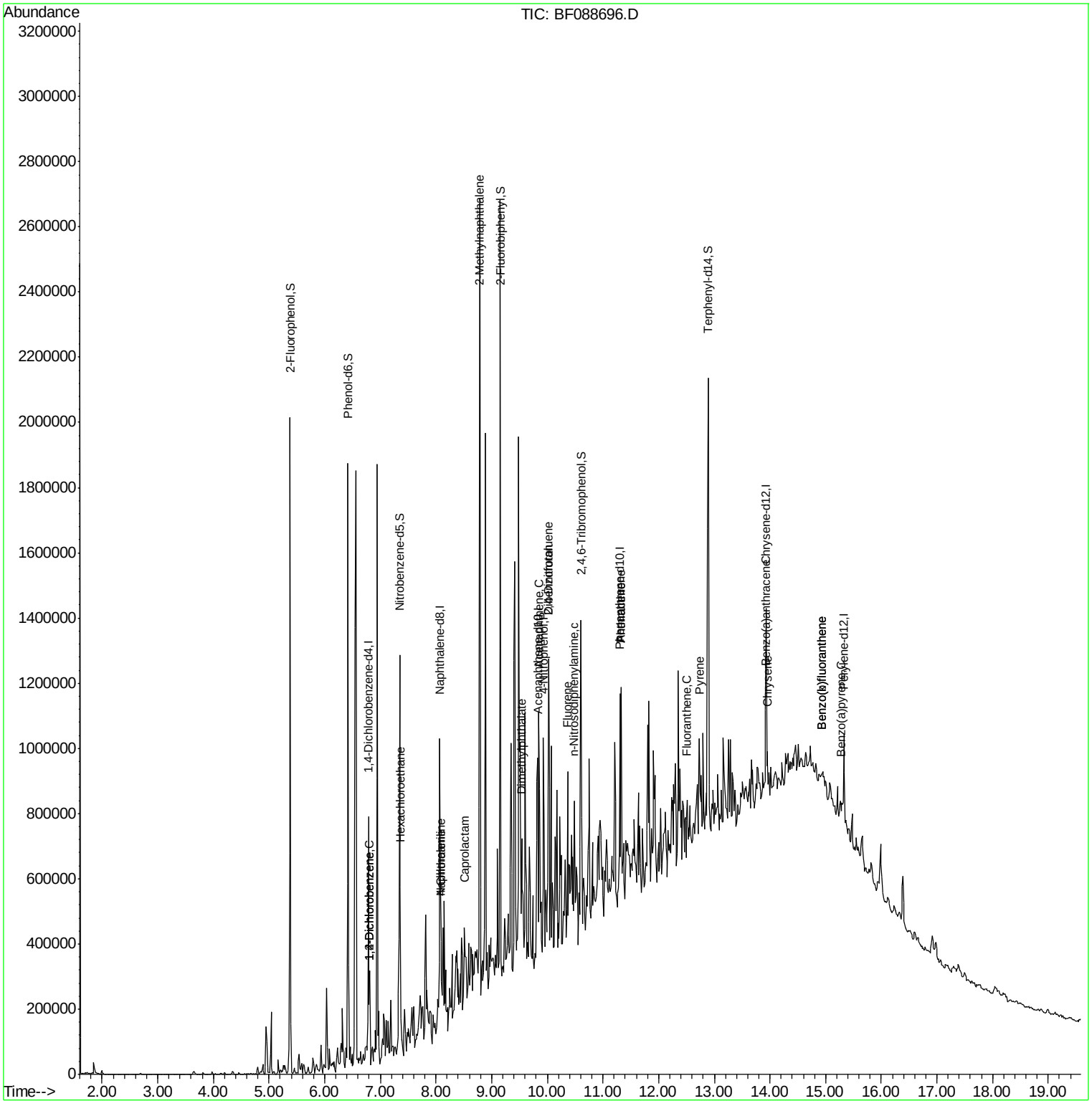
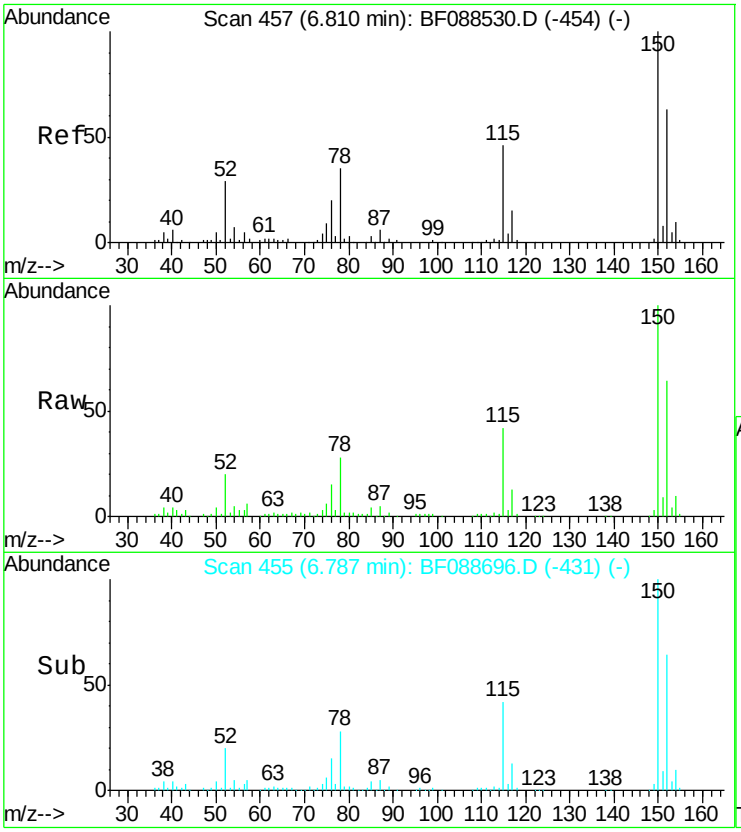


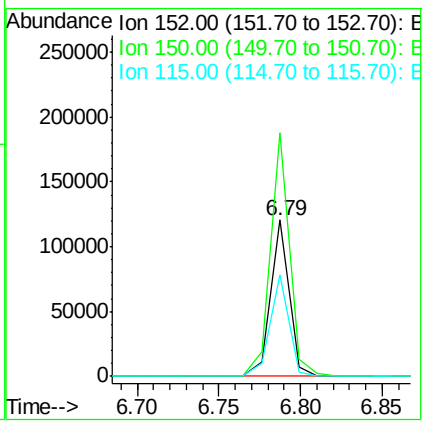


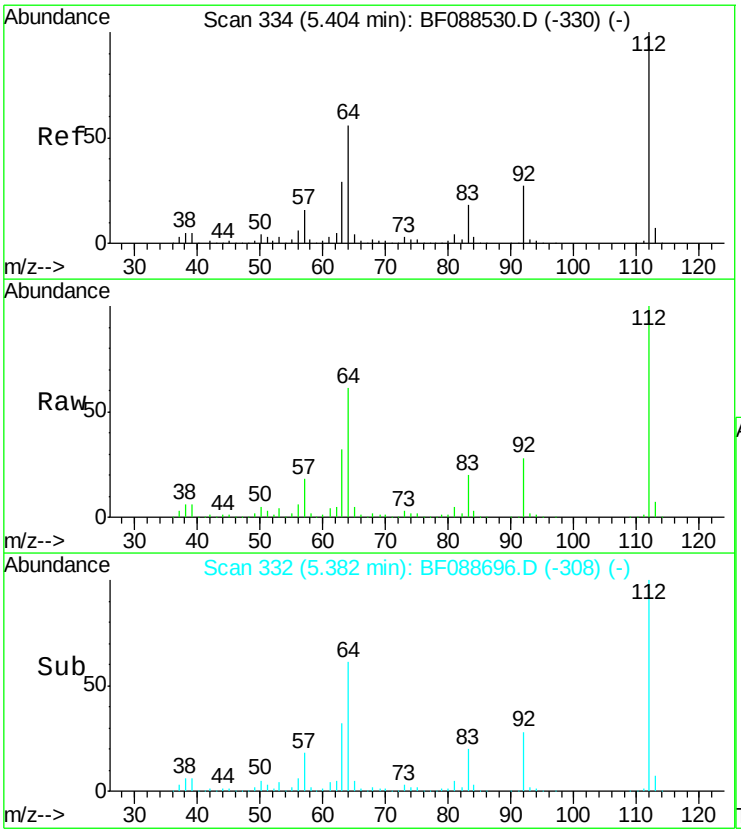
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:152 Resp: 95776

Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.8	185.6
115	65.3	39.6	59.4#

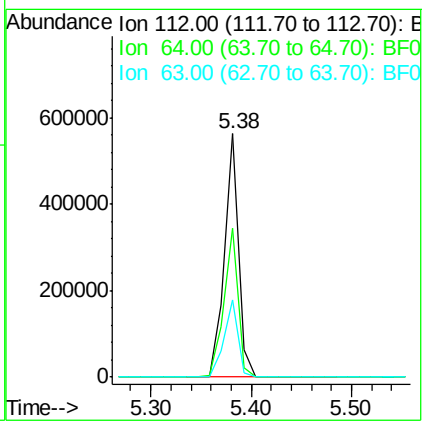


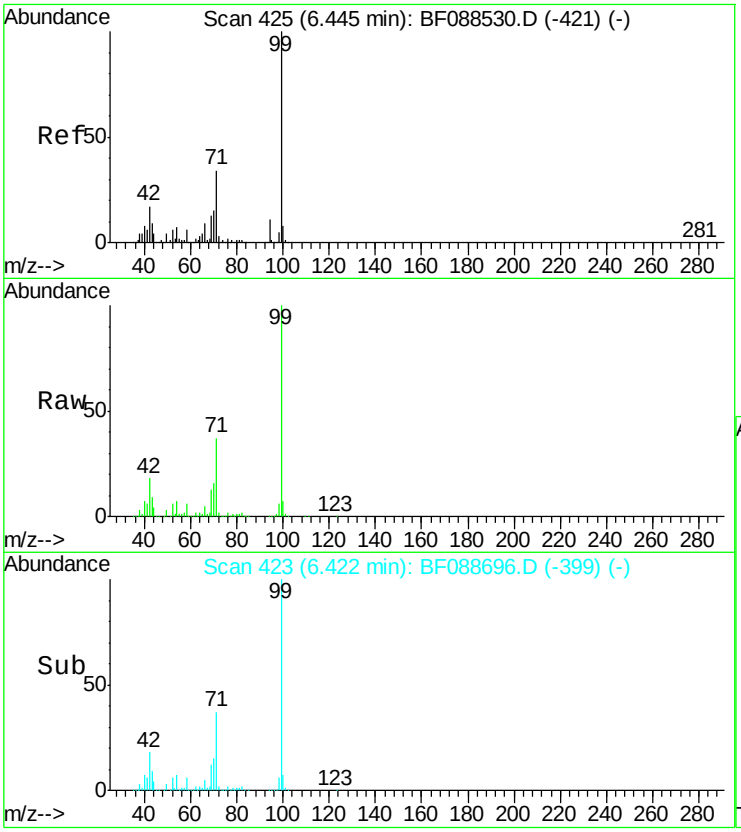


#5
2-Fluorophenol
Concen: 86.07 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:112 Resp: 550014

Ion	Ratio	Lower	Upper
112	100		
64	61.3	42.2	63.2
63	31.9	21.8	32.8



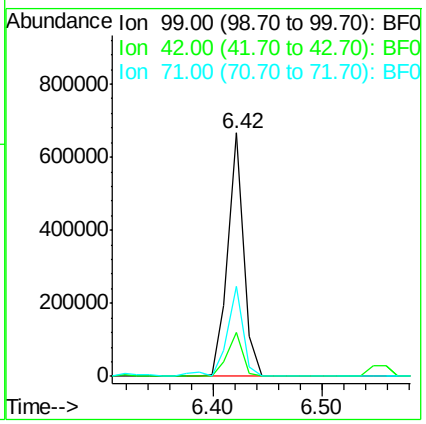


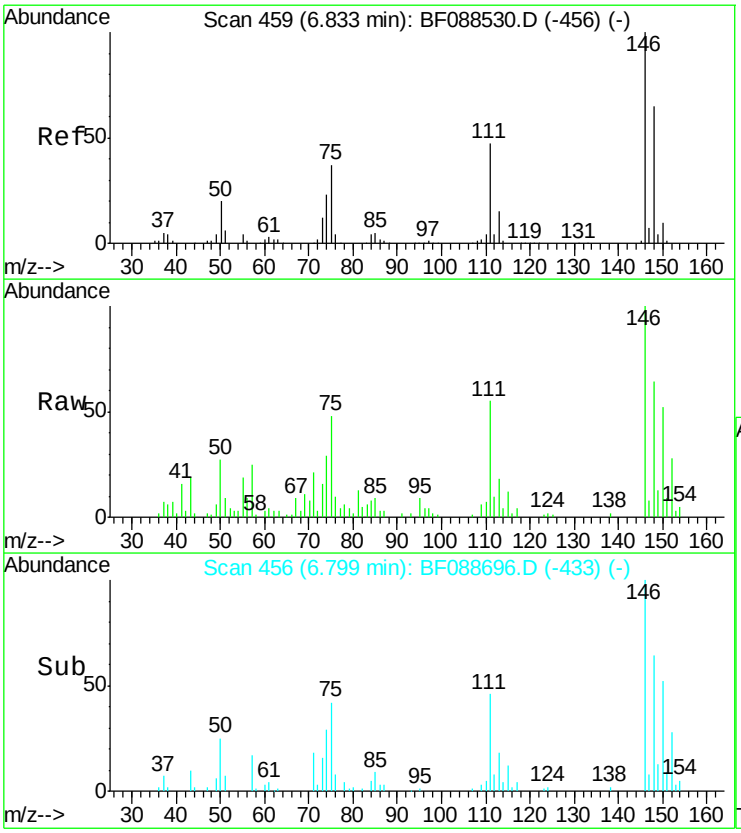
#7
Phenol-d6
Concen: 81.43 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion: 99 Resp: 672394

Ion	Ratio	Lower	Upper
99	100		
42	17.8	12.2	18.2
71	36.8	23.4	35.0#

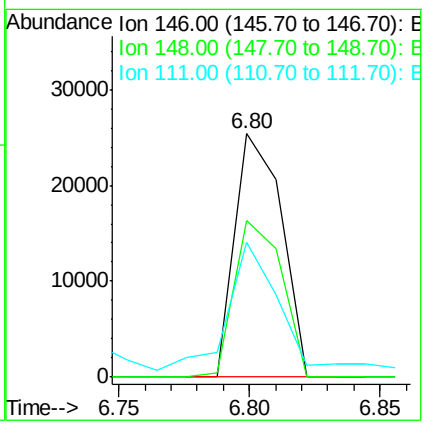


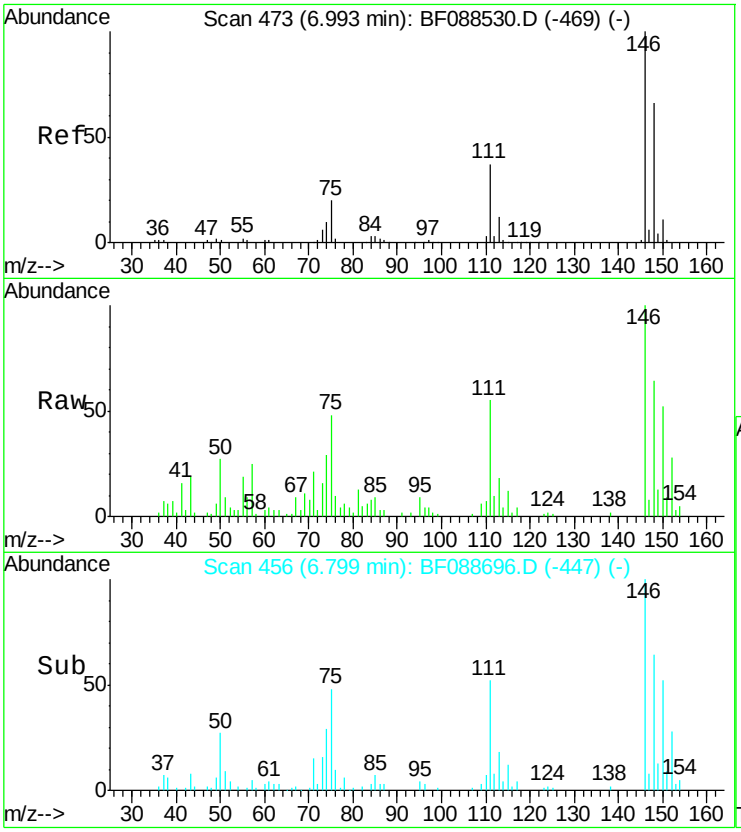


#13
1,4-Dichlorobenzene
Concen: 4.21 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:146 Resp: 31591

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.0	78.0
111	55.5	33.8	50.8#



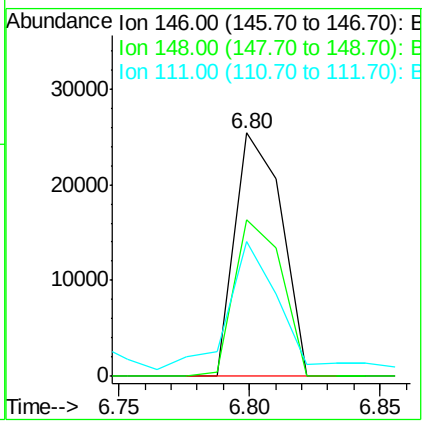


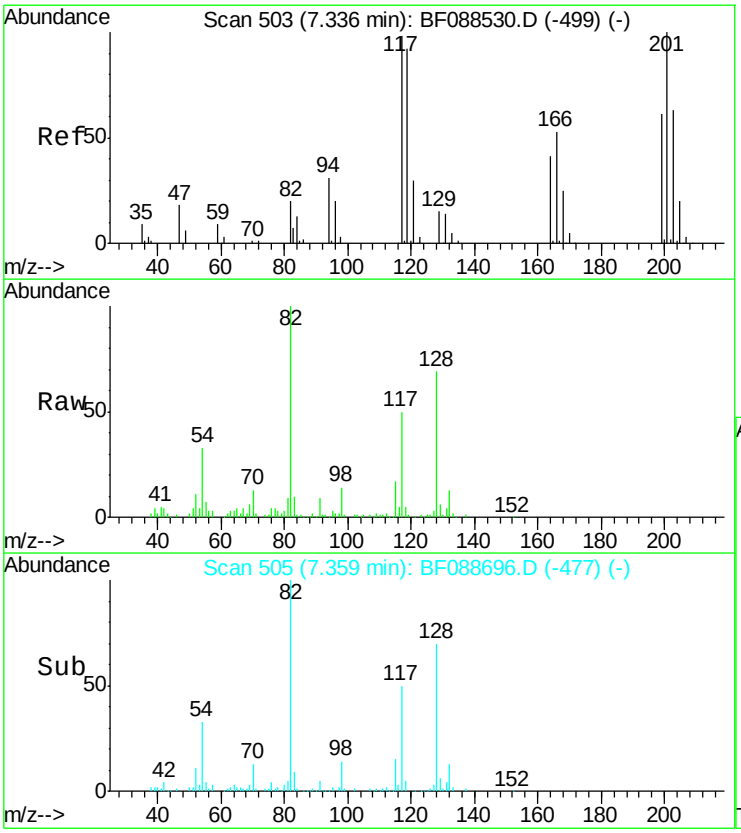
#14
1,2-Dichlorobenzene
Concen: 4.50 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.19 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:146 Resp: 31591

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.3	78.5
111	55.5	28.7	43.1#

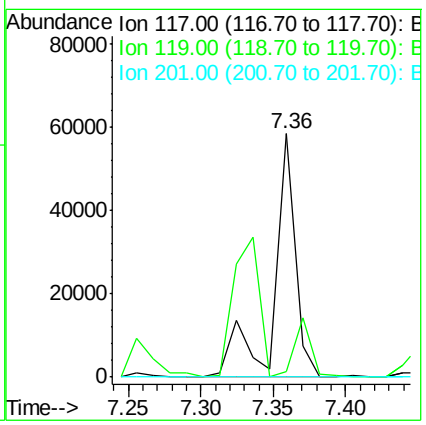


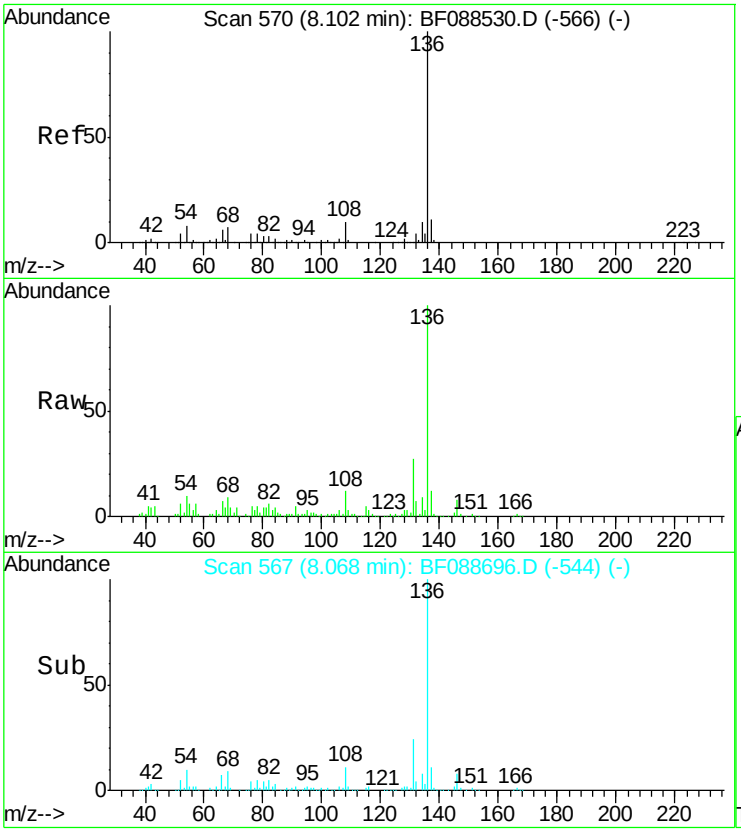


#18
Hexachloroethane
Concen: 20.69 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:117 Resp: 60040

Ion	Ratio	Lower	Upper
117	100		
119	2.2	77.4	116.2#
201	0.0	80.4	120.6#



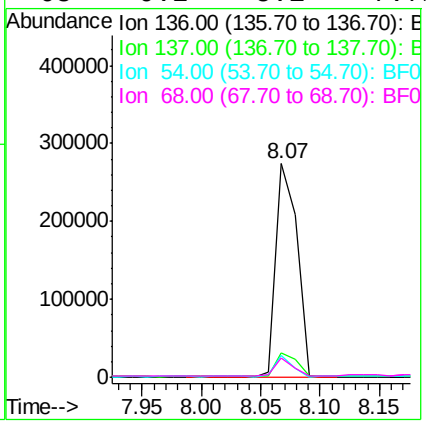


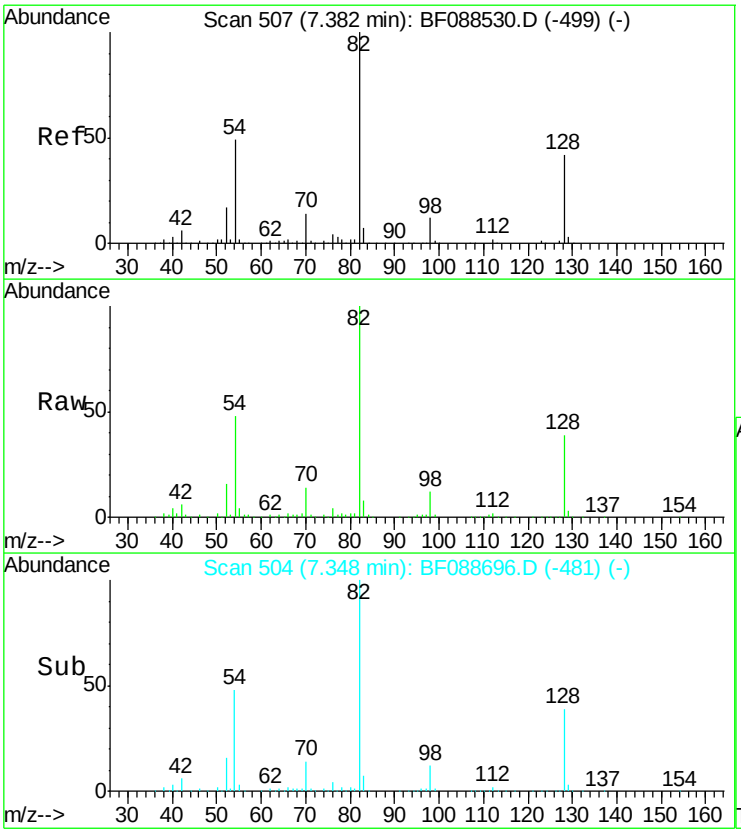
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:136 Resp: 338311

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	10.4	6.6	10.0#
68	9.2	5.1	7.7#

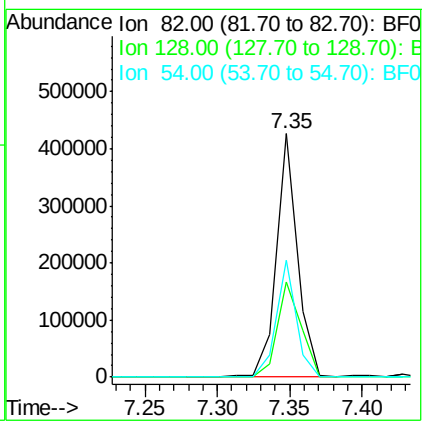


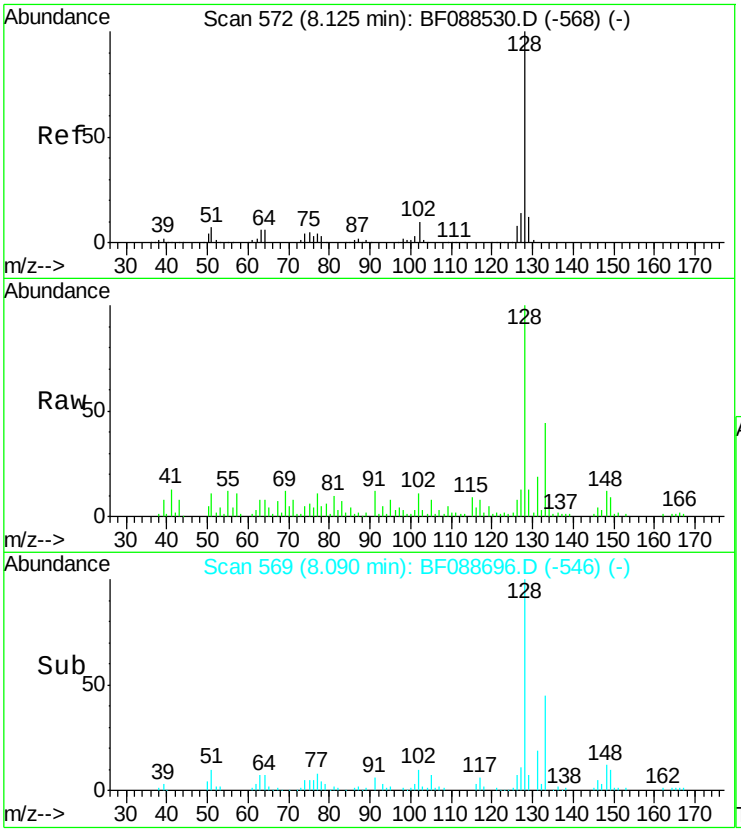


#23
Nitrobenzene-d5
Concen: 65.80 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion: 82 Resp: 424791

Ion	Ratio	Lower	Upper
82	100		
128	39.2	35.9	53.9
54	48.2	40.9	61.3



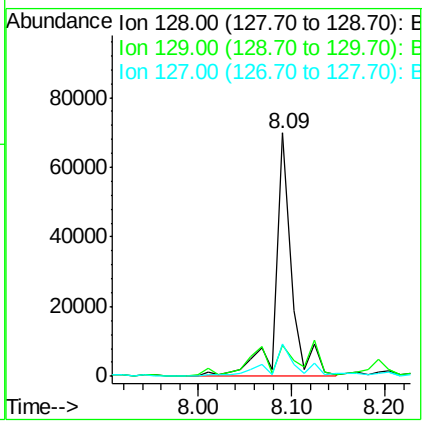


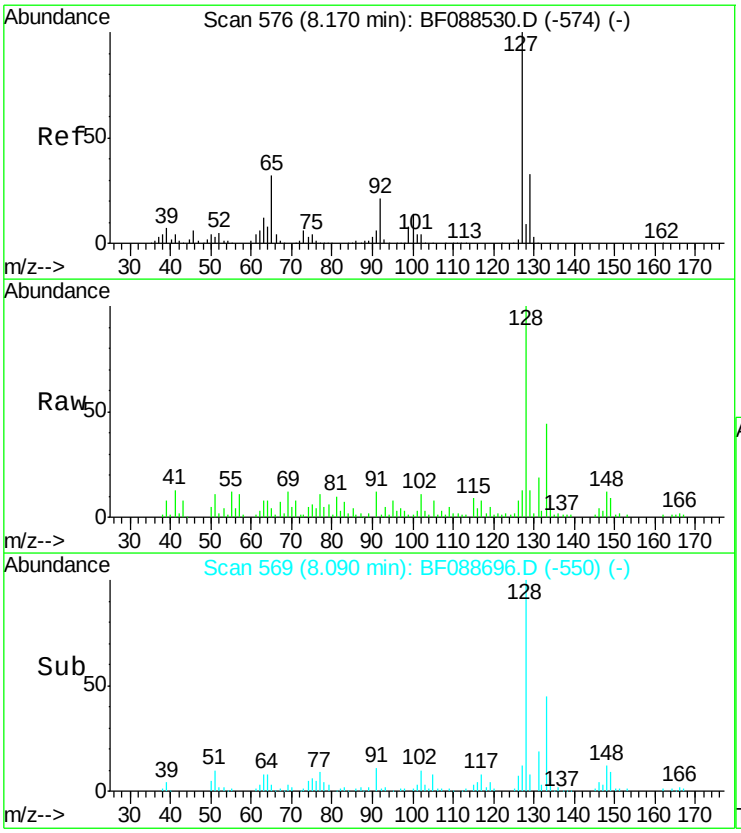
#31
Naphthalene
Concen: 5.01 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:128 Resp: 83615

Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.4	14.2
127	13.1	10.9	16.3

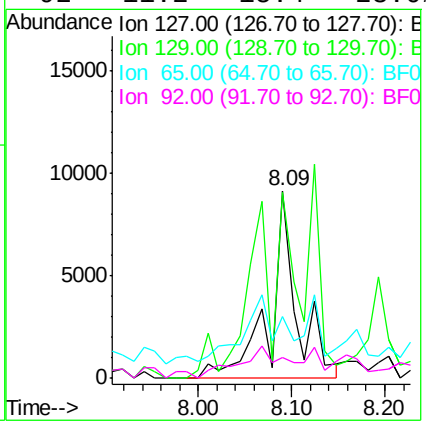


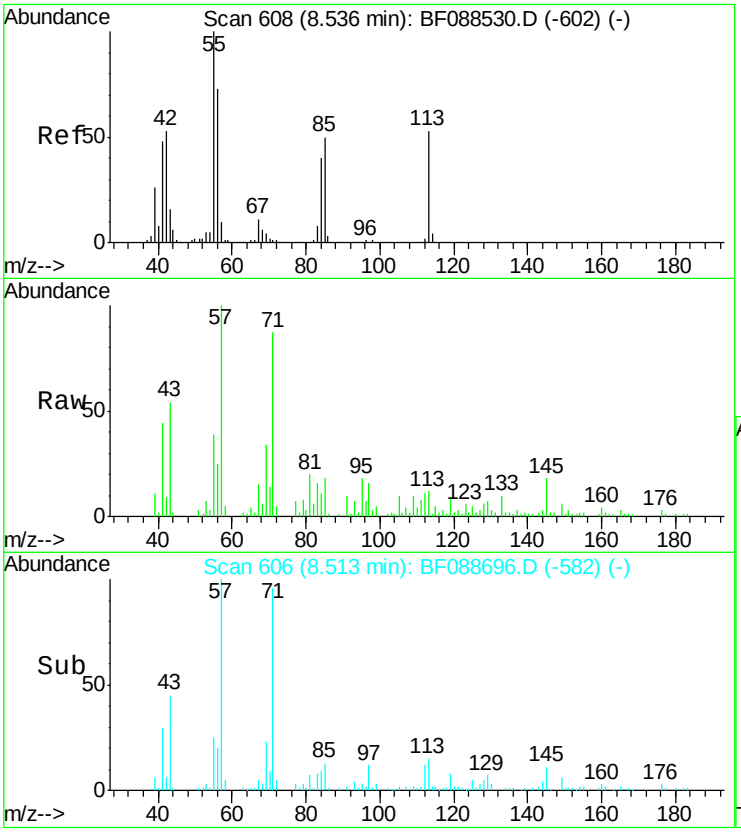


#33
4-Chloroaniline
Concen: 2.46 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.08 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:127 Resp: 18245

Ion	Ratio	Lower	Upper
127	100		
129	99.4	26.3	39.5#
65	33.0	24.7	37.1
92	11.2	15.4	23.0#



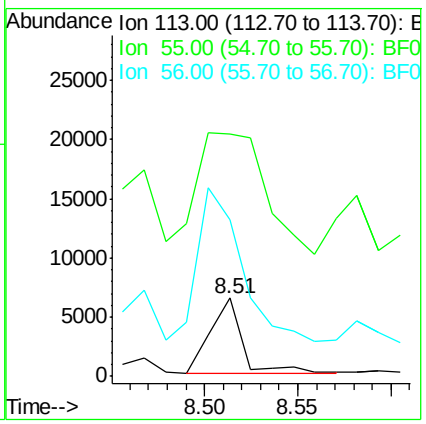


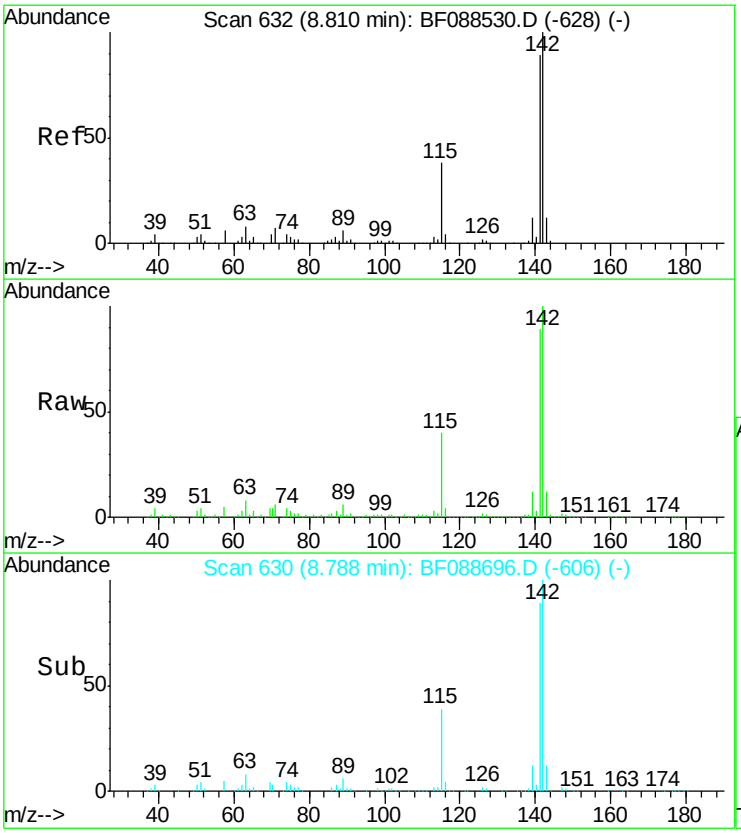
#35
Caprolactam
Concen: 4.87 ng
RT: 8.51 min Scan# 606
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:113 Resp: 7432

Ion	Ratio	Lower	Upper
113	100		
55	310.5	158.6	198.6#
56	200.1	110.6	150.6#

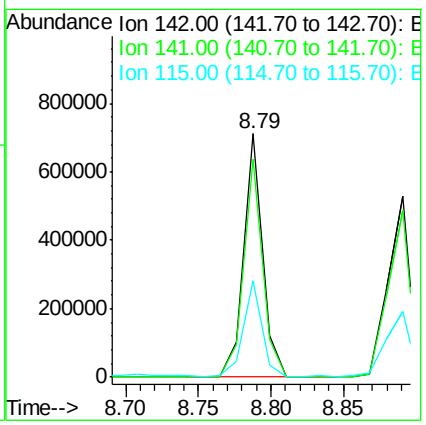


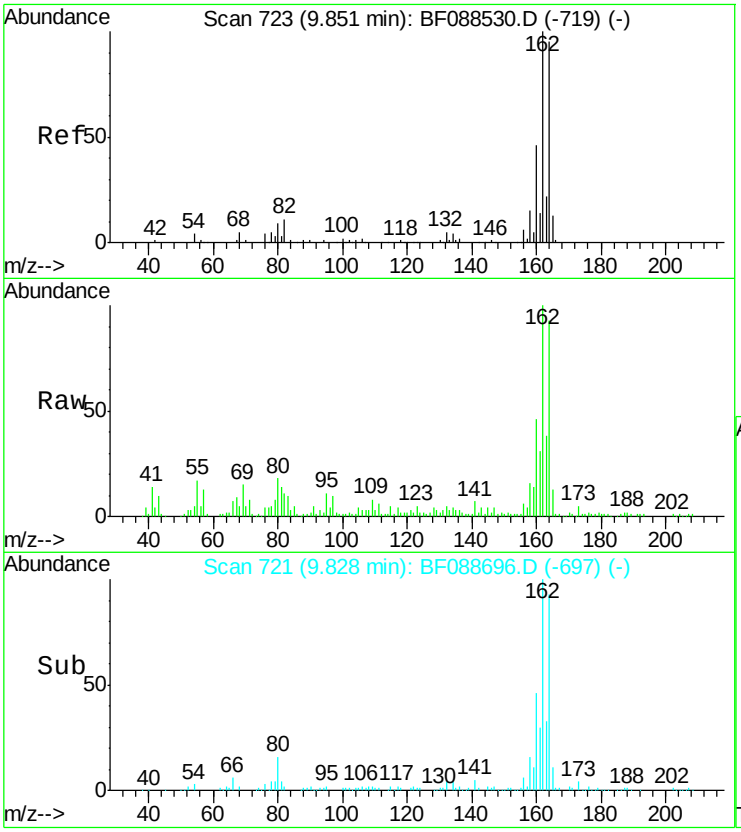


#37
2-Methylnaphthalene
Concen: 59.99 ng
RT: 8.79 min Scan# 630
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:142 Resp: 644211

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.0	106.6
115	39.7	22.6	33.8#



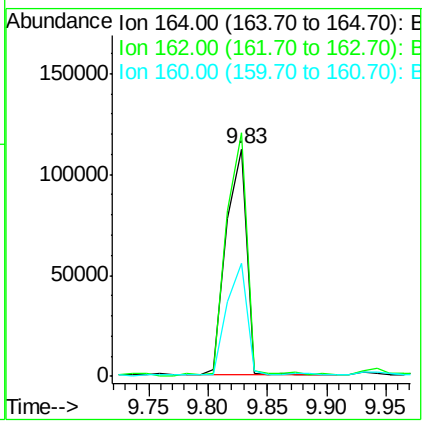


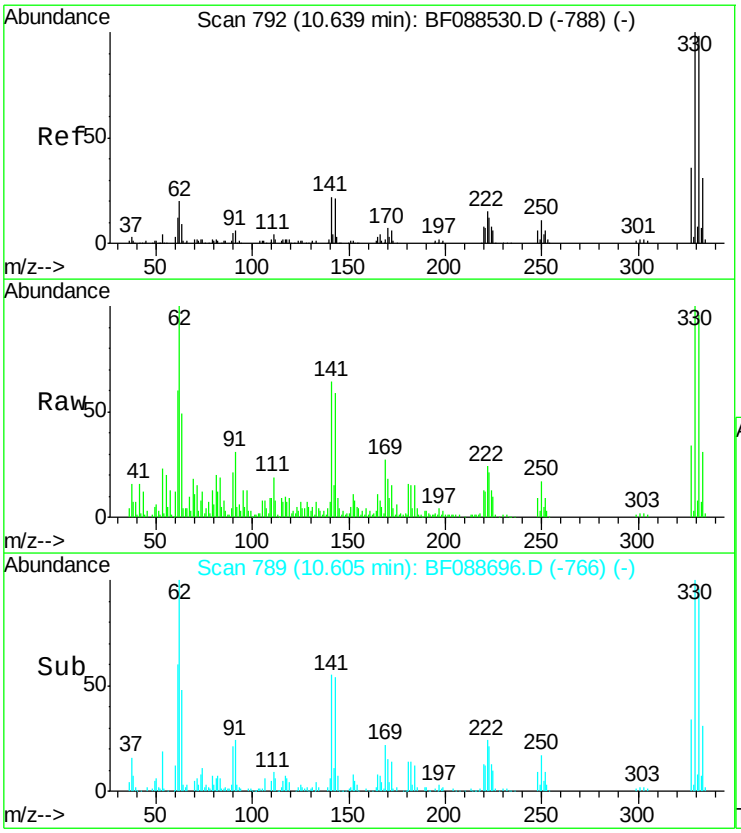
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:164 Resp: 134636

Ion	Ratio	Lower	Upper
164	100		
162	107.2	85.4	128.2
160	49.8	39.5	59.3

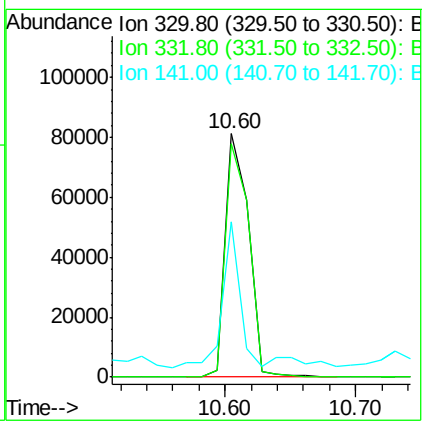


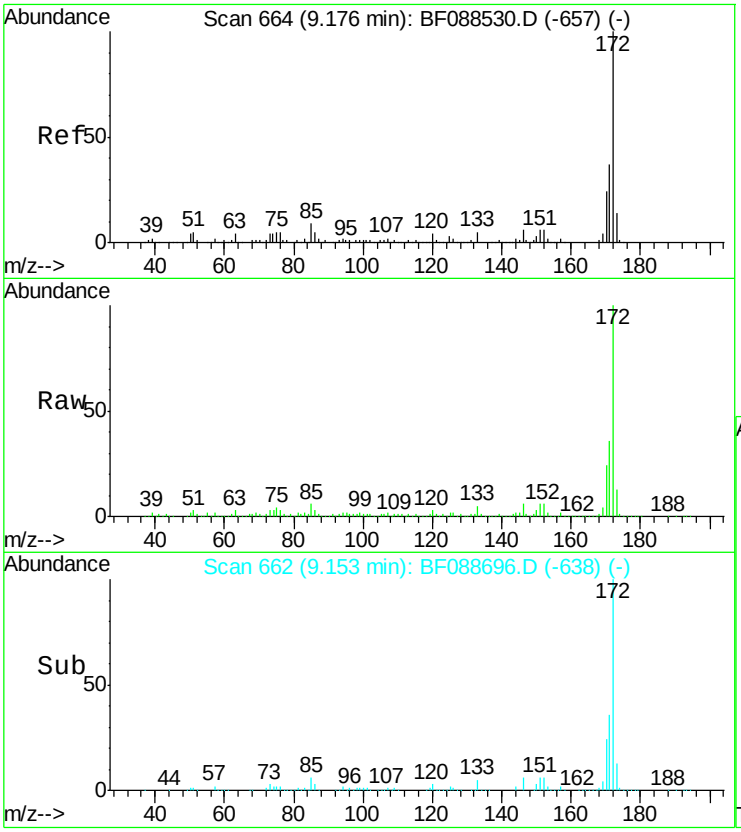


#41
2,4,6-Tribromophenol
Concen: 80.34 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:330 Resp: 100449

Ion	Ratio	Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	47.9	0.0	0.0#



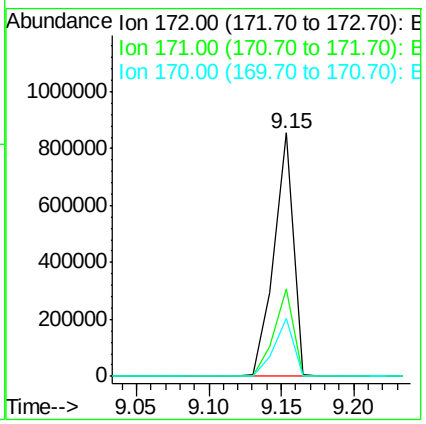


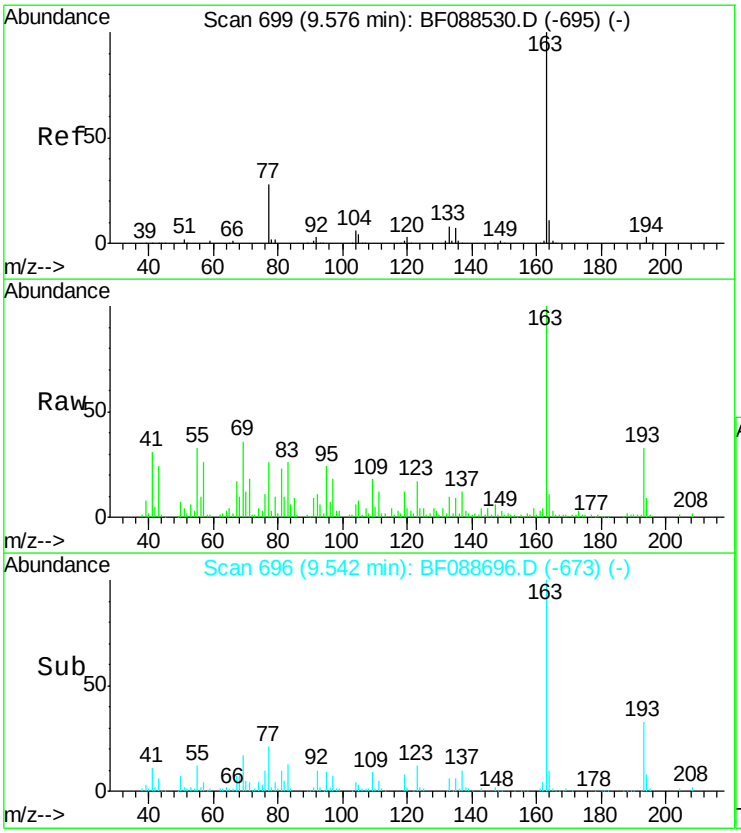
#44
2-Fluorobiphenyl
Concen: 93.74 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:172 Resp: 798993

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.1	19.2	28.8

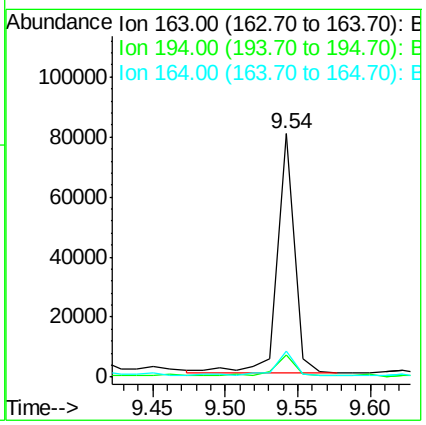


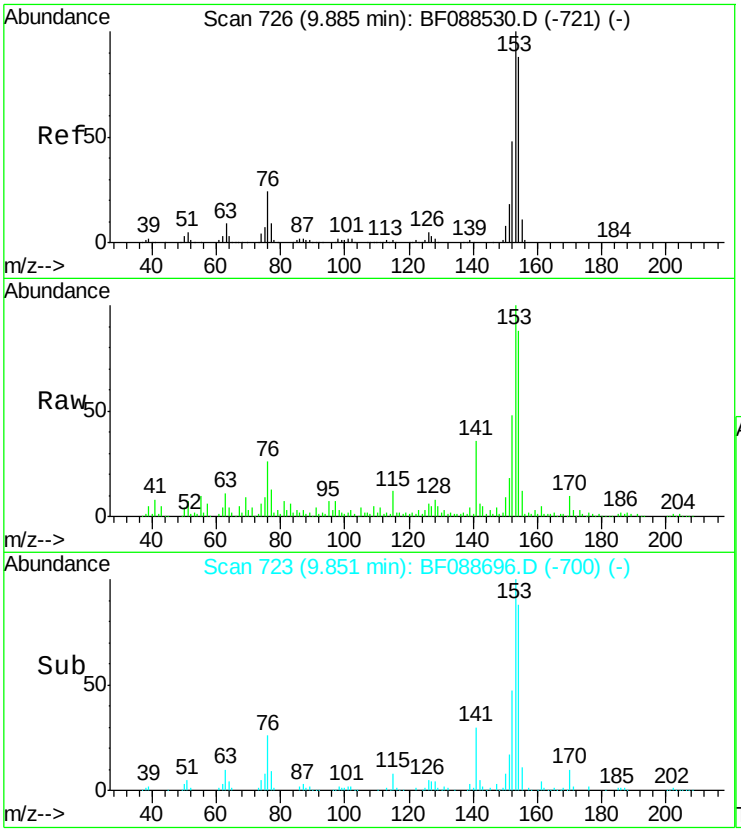


#49
Dimethylphthalate
Concen: 6.89 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:163 Resp: 66064

Ion	Ratio	Lower	Upper
163	100		
194	9.0	2.8	4.2#
164	10.8	8.3	12.5



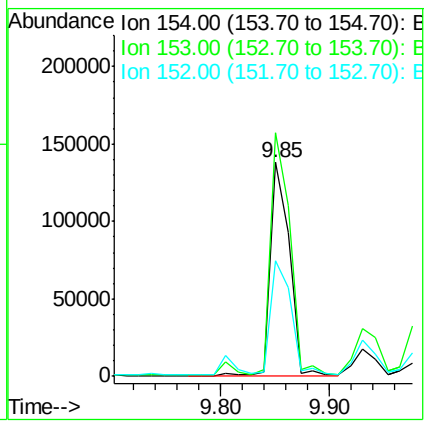


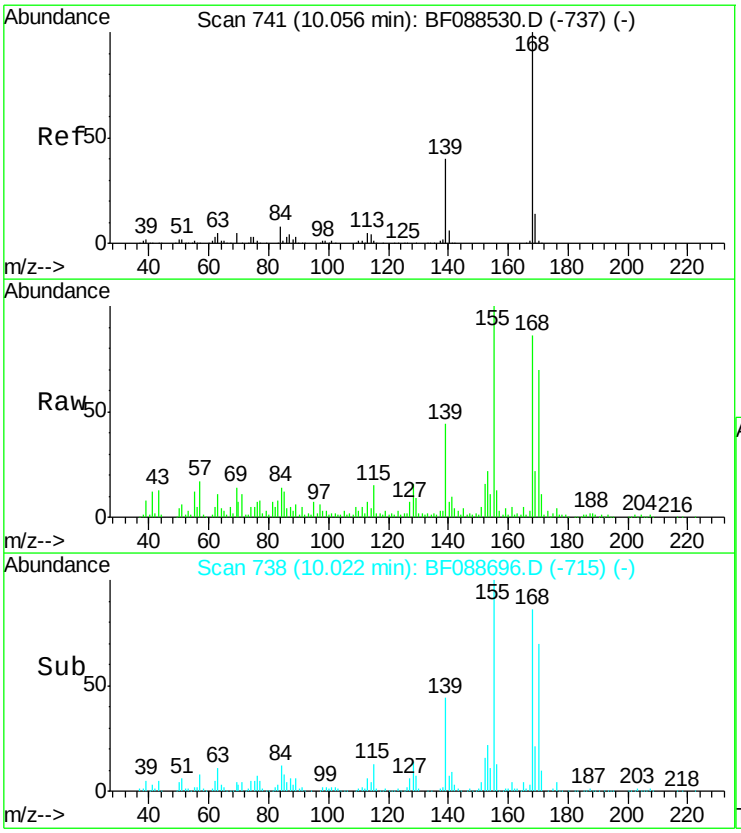
#51
Acenaphthene
Concen: 19.46 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:154 Resp: 166105

Ion	Ratio	Lower	Upper
154	100		
153	113.8	89.5	134.3
152	54.1	42.7	64.1

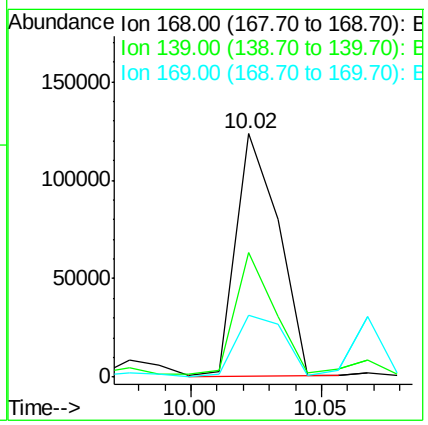


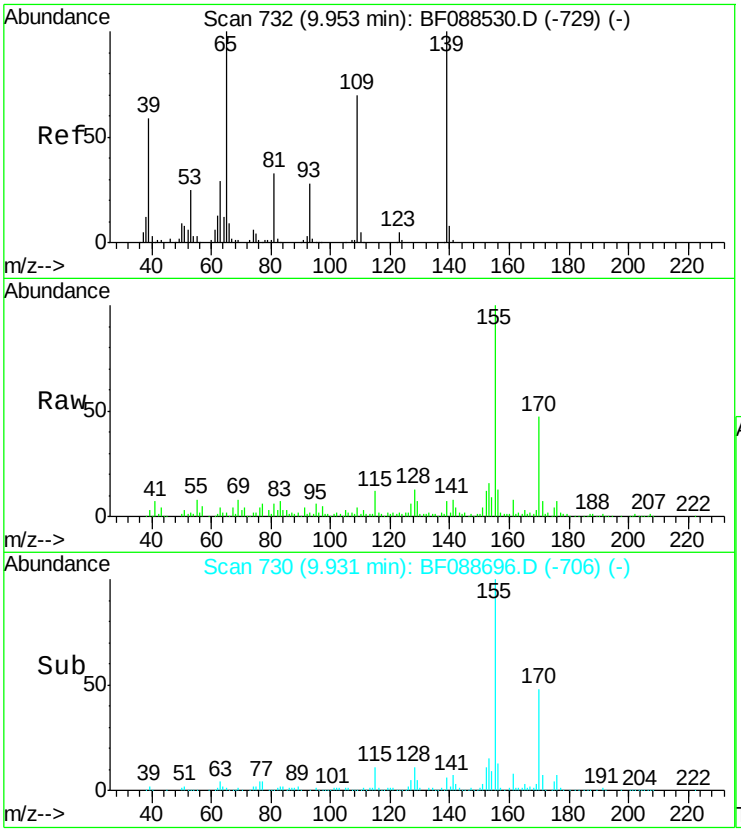


#54
Dibenzofuran
Concen: 12.57 ng
RT: 10.02 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:168 Resp: 140426

Ion	Ratio	Lower	Upper
168	100		
139	51.3	26.4	39.6#
169	25.3	10.4	15.6#



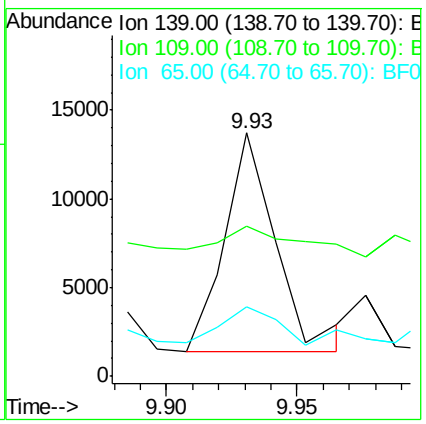


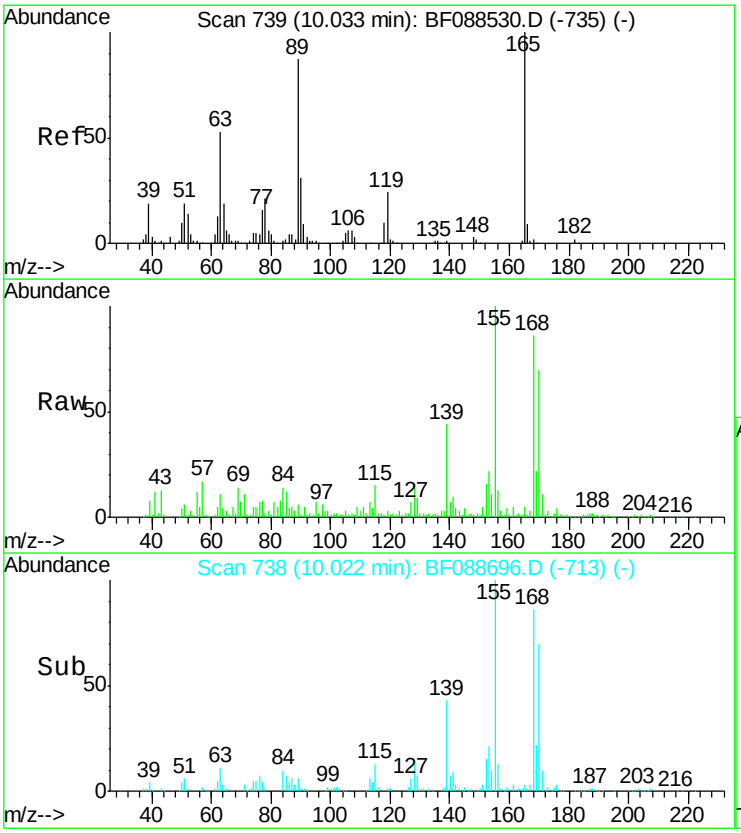
#55
4-Nitrophenol
Concen: 8.29 ng
RT: 9.93 min Scan# 730
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:139 Resp: 17015

Ion	Ratio	Lower	Upper
139	100		
109	61.5	48.9	88.9
65	28.4	84.9	124.9#

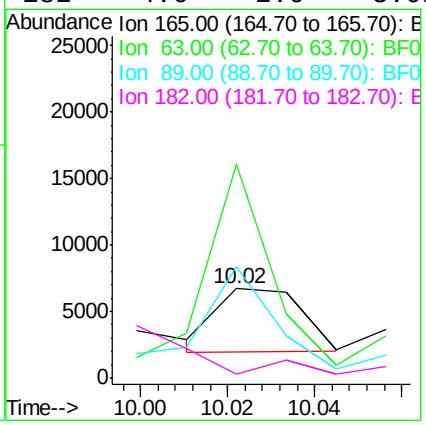


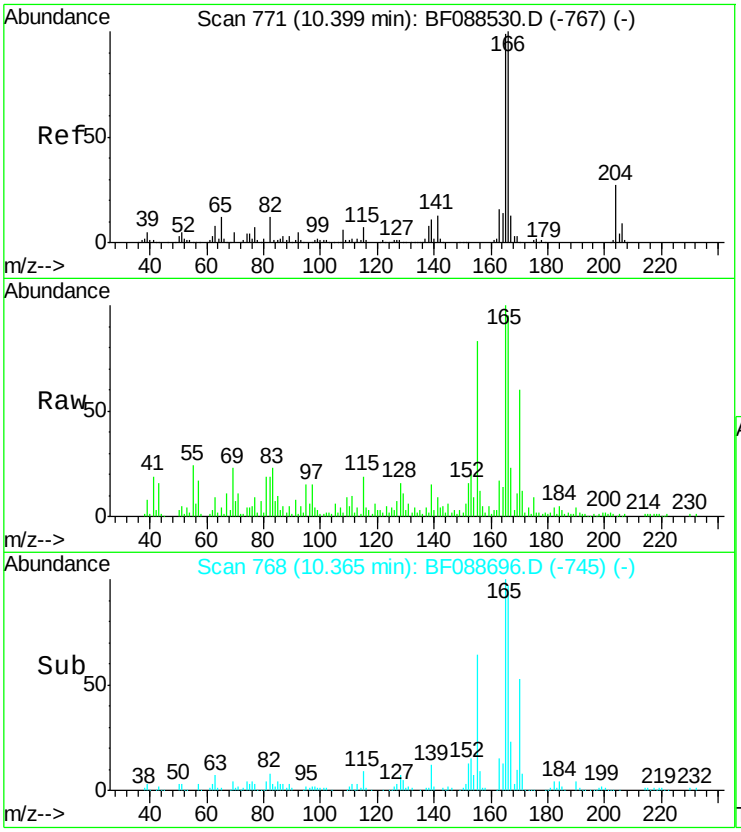


#56
2,4-Dinitrotoluene
Concen: 2.31 ng
RT: 10.02 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:165 Resp: 6432

Ion	Ratio	Lower	Upper
165	100		
63	239.2	22.0	33.0#
89	124.1	41.1	61.7#
182	4.6	2.0	3.0#



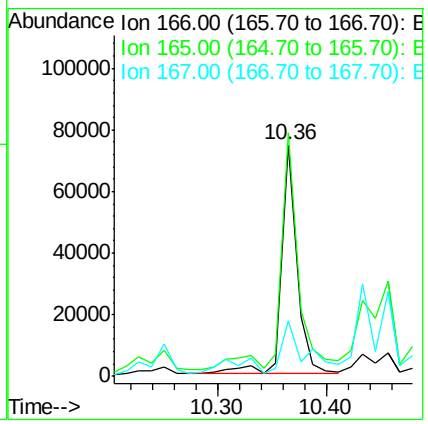


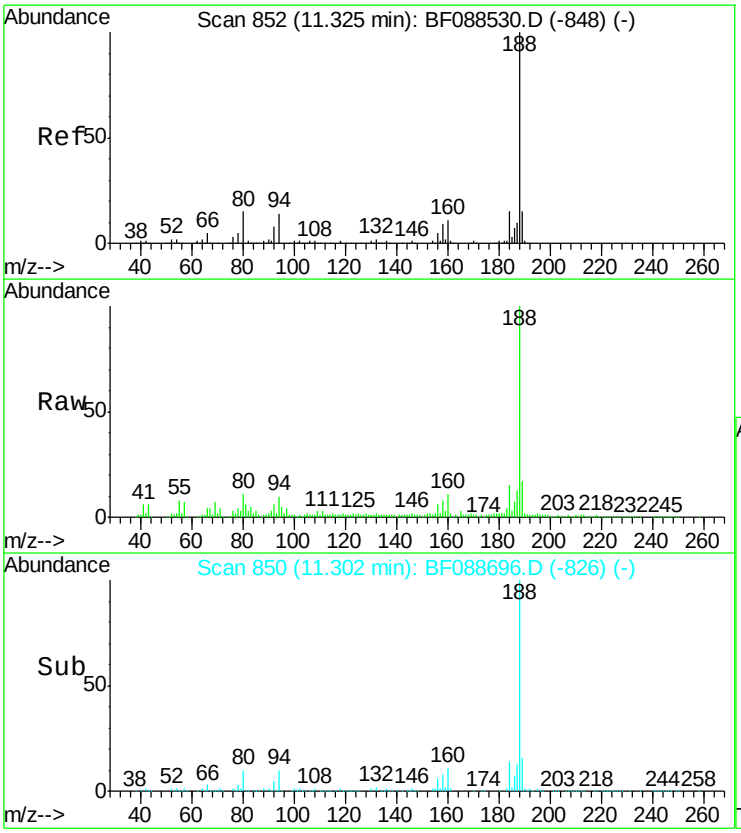
#57
Fluorene
Concen: 8.64 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:166 Resp: 74355

Ion	Ratio	Lower	Upper
166	100		
165	105.4	77.8	116.8
167	23.9	11.2	16.8#

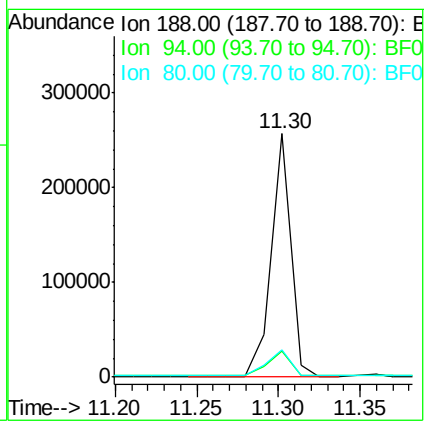


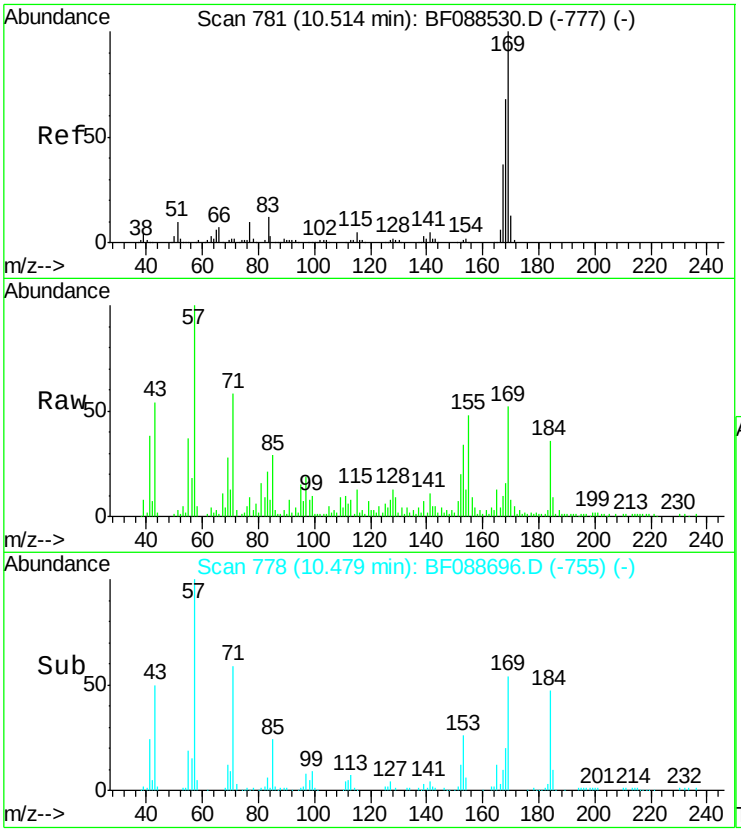


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:188 Resp: 216239

Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.0	13.6
80	11.1	10.0	15.0



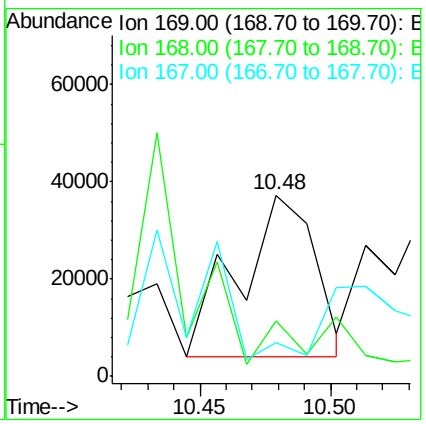


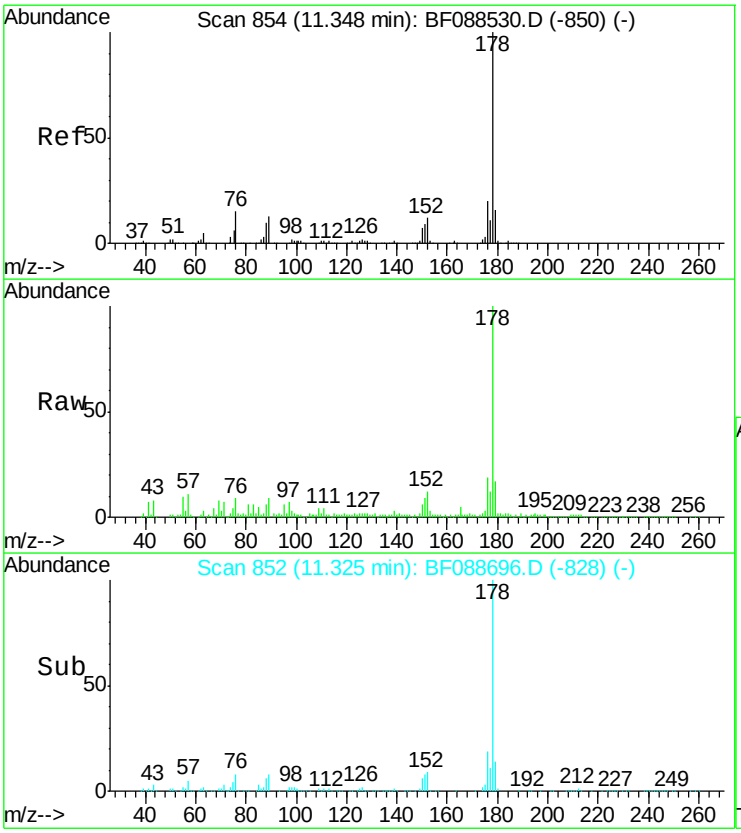
#65
n-Nitrosodiphenylamine
Concen: 9.13 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:169 Resp: 66805

Ion	Ratio	Lower	Upper
169	100		
168	30.7	53.4	80.0#
167	18.7	29.4	44.0#

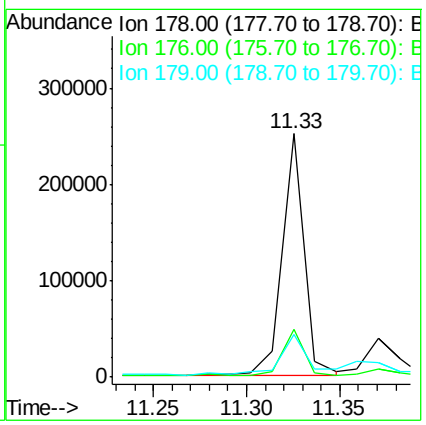


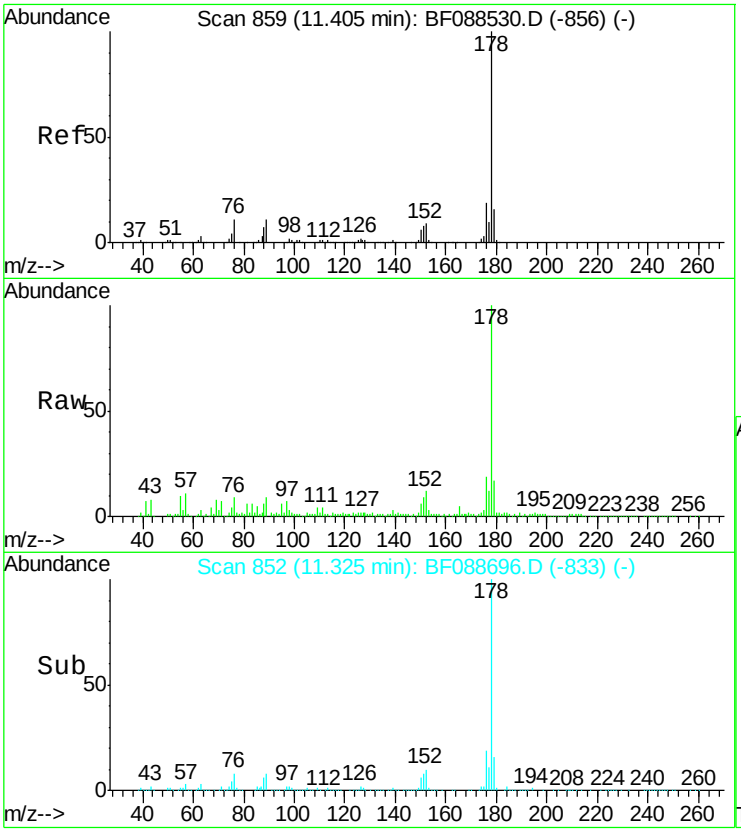


#70
Phenanthrene
Concen: 17.40 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:178 Resp: 205729

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	17.5	13.0	19.4



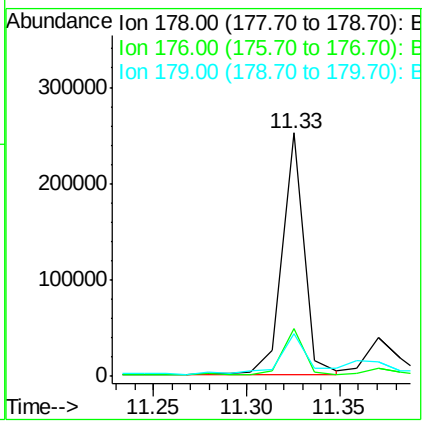


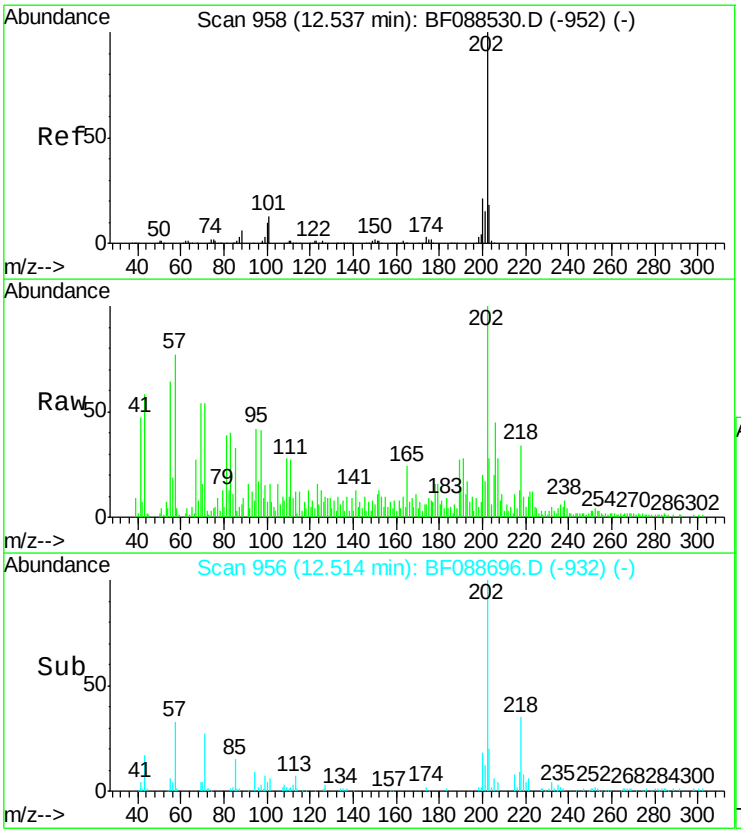
#71
Anthracene
Concen: 17.50 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.08 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:178 Resp: 205729

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	17.5	12.8	19.2

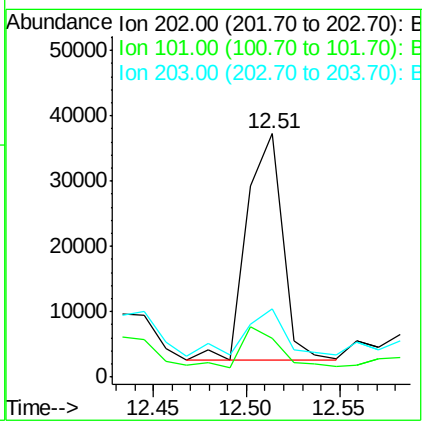


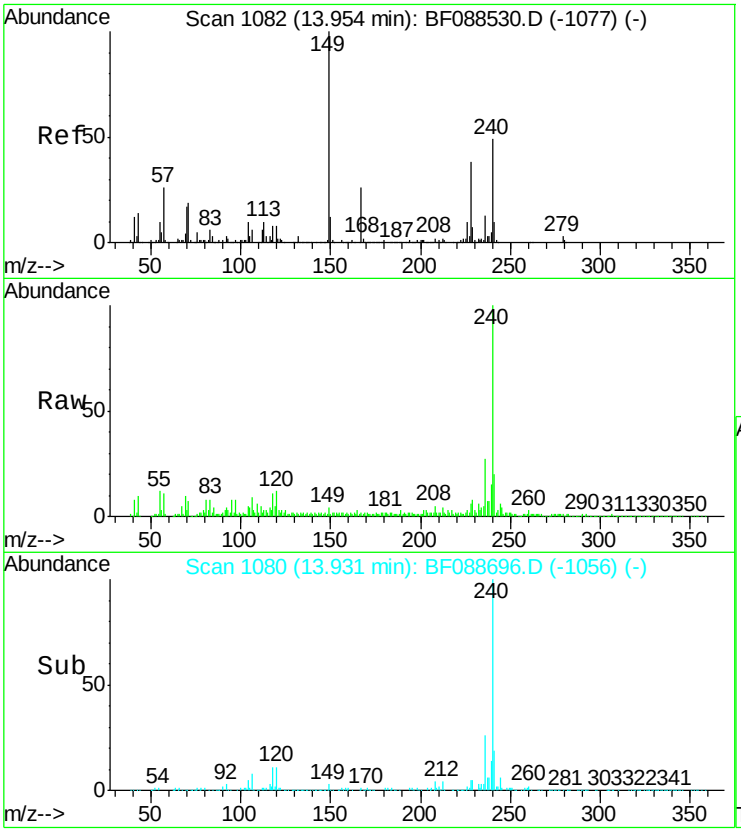


#74
Fluoranthene
Concen: 3.81 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:202 Resp: 45615

Ion	Ratio	Lower	Upper
202	100		
101	15.7	0.0	33.1
203	28.3	0.0	38.1



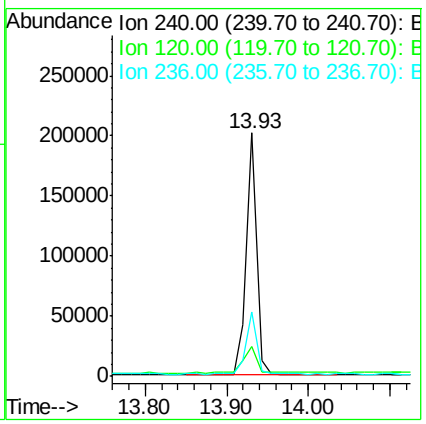


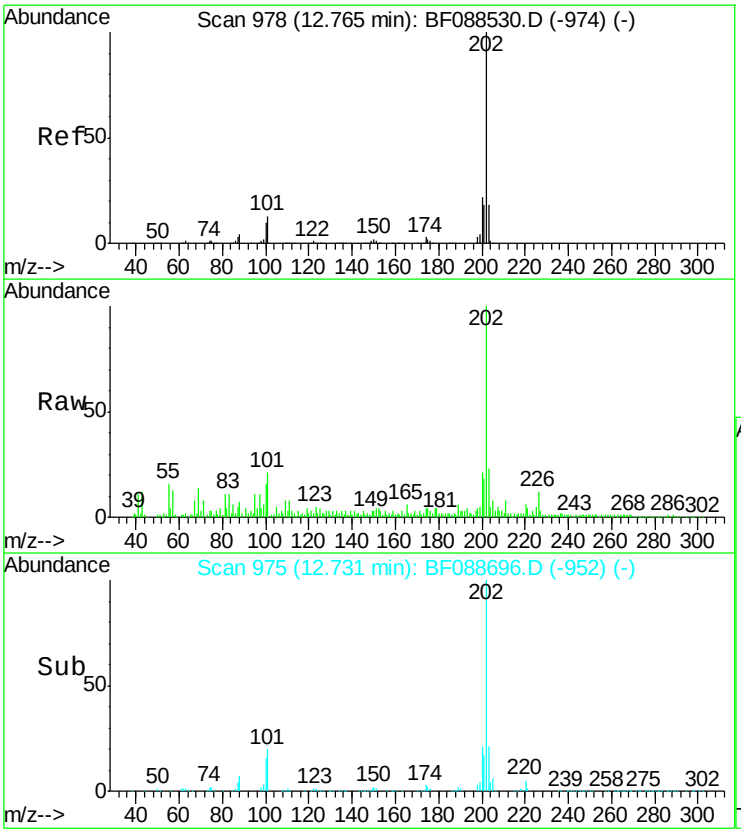
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:240 Resp: 177009

Ion	Ratio	Lower	Upper
240	100		
120	12.4	6.8	10.2#
236	26.6	20.2	30.2

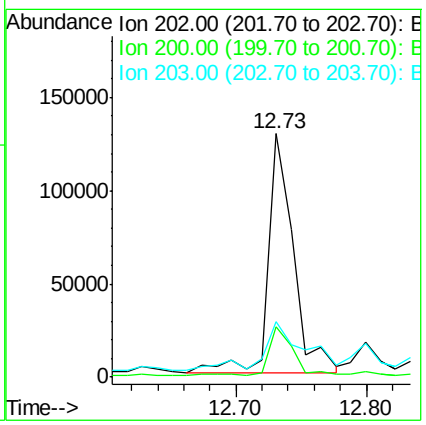


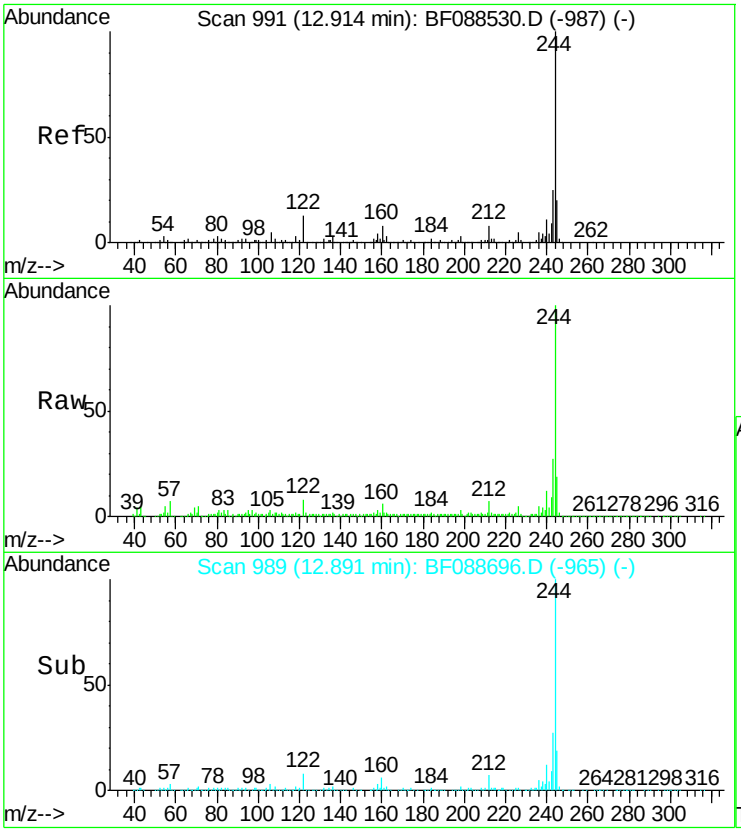


#77
Pyrene
Concen: 11.53 ng
RT: 12.73 min Scan# 975
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:202 Resp: 173000

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	22.7	14.5	21.7#



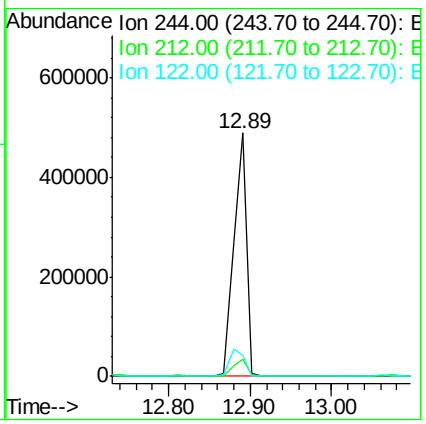


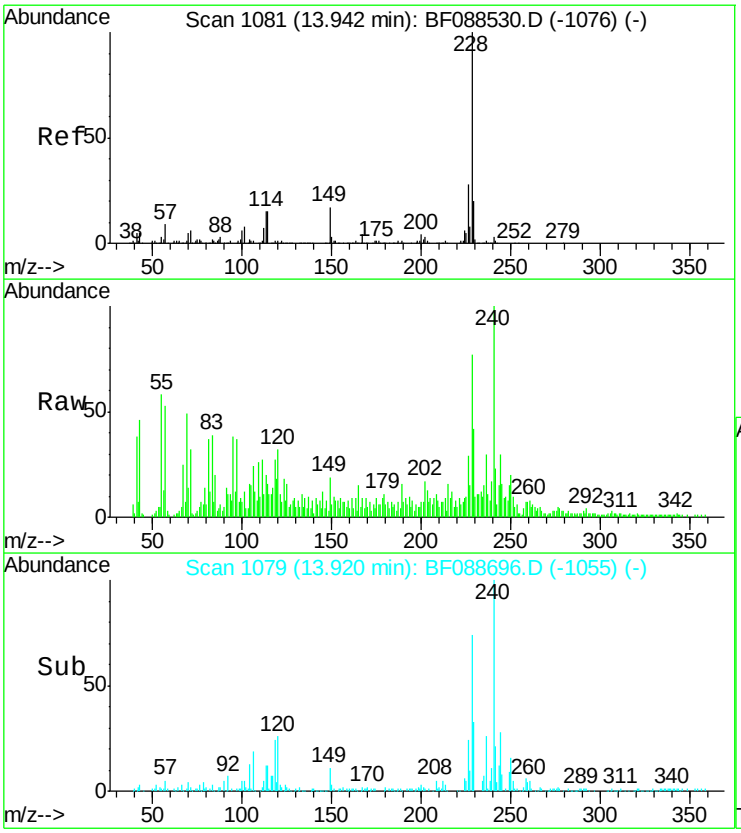
#78
Terphenyl-d14
Concen: 66.48 ng
RT: 12.89 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:244 Resp: 528351

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	8.4	11.2	16.8#

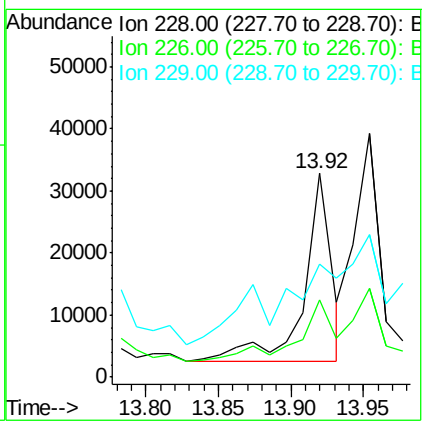


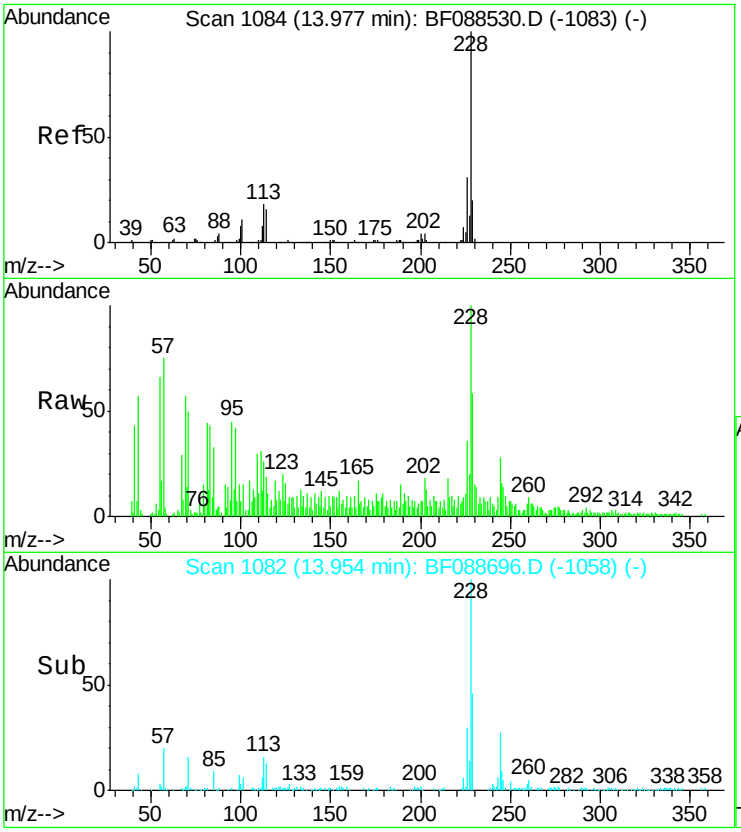


#80
Benzo(a)anthracene
Concen: 3.55 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:228 Resp: 40419

Ion	Ratio	Lower	Upper
228	100		
226	38.0	22.3	33.5#
229	55.3	16.0	24.0#



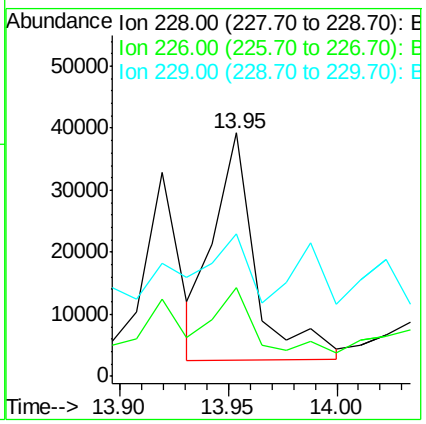


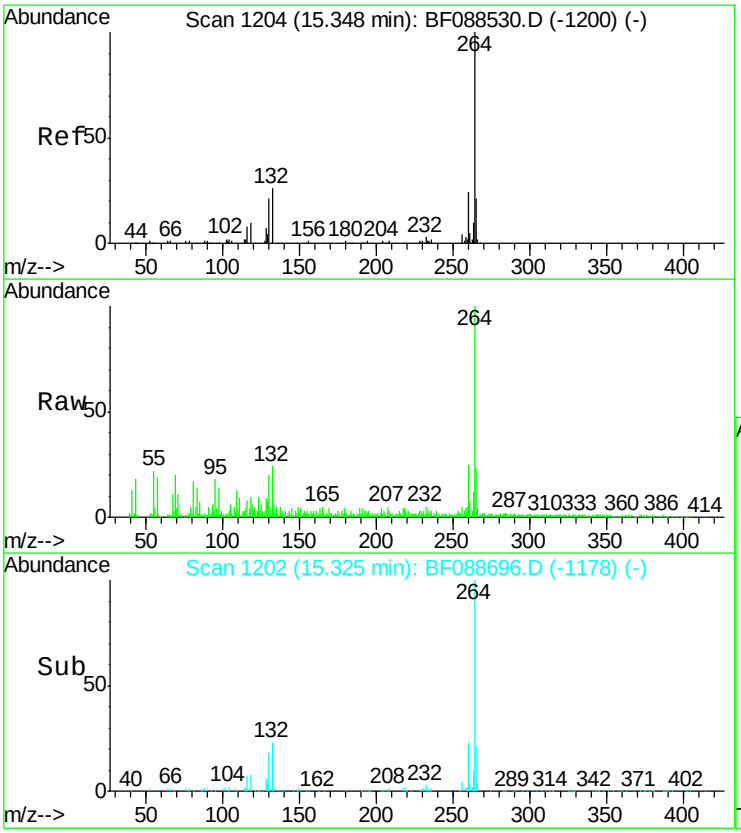
#82
Chrysene
Concen: 4.34 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:228 Resp: 48940

Ion	Ratio	Lower	Upper
228	100		
226	36.5	25.4	38.2
229	58.4	16.3	24.5#

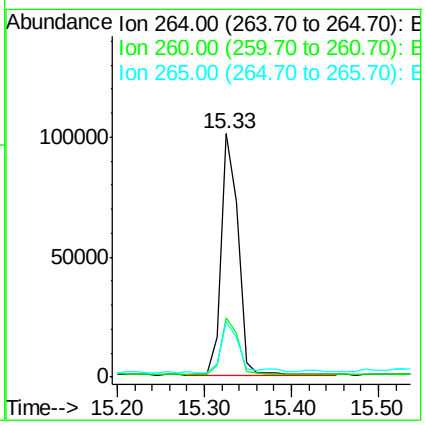


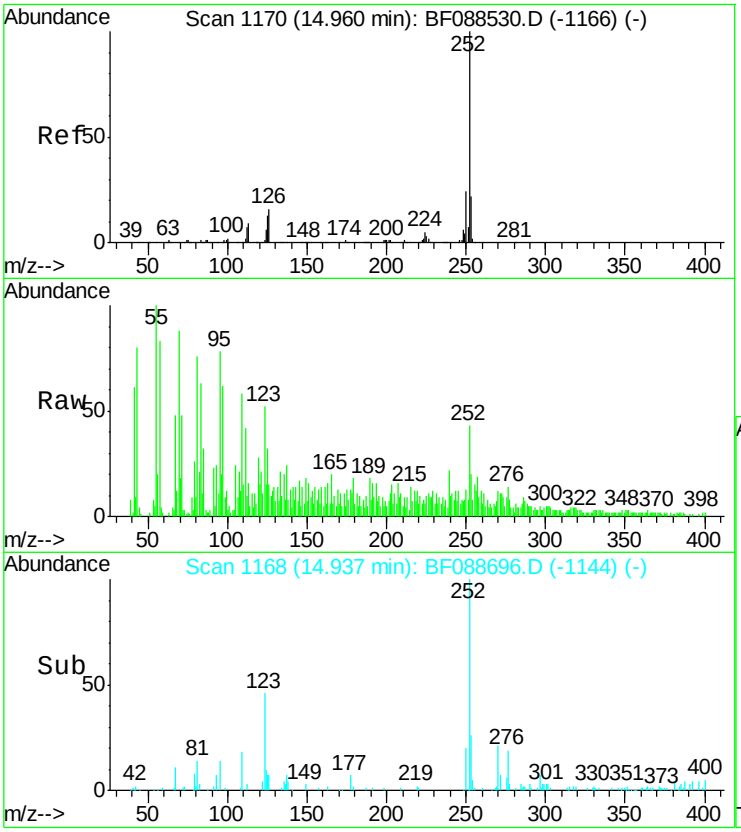


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:264 Resp: 135487

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.8	16.9	25.3



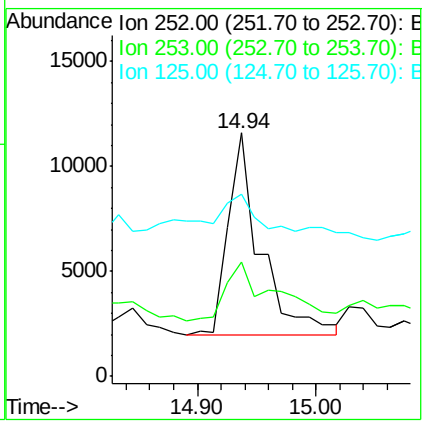


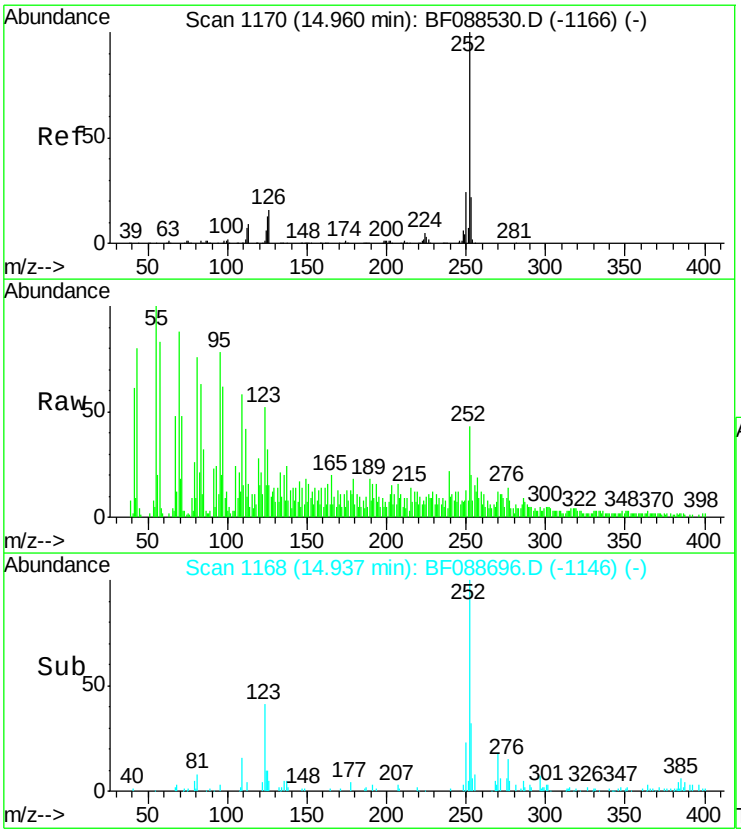
#87
Benzo(b)fluoranthene
Concen: 2.13 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:252 Resp: 18066

Ion	Ratio	Lower	Upper
252	100		
253	47.1	17.4	26.2#
125	74.6	7.1	10.7#

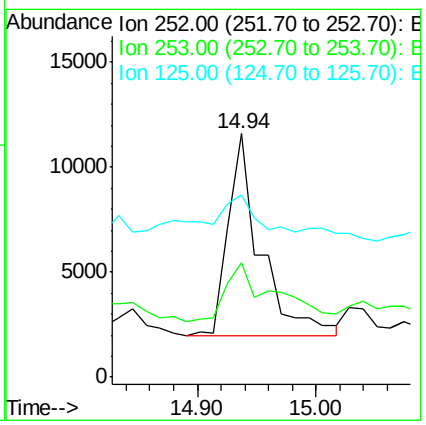


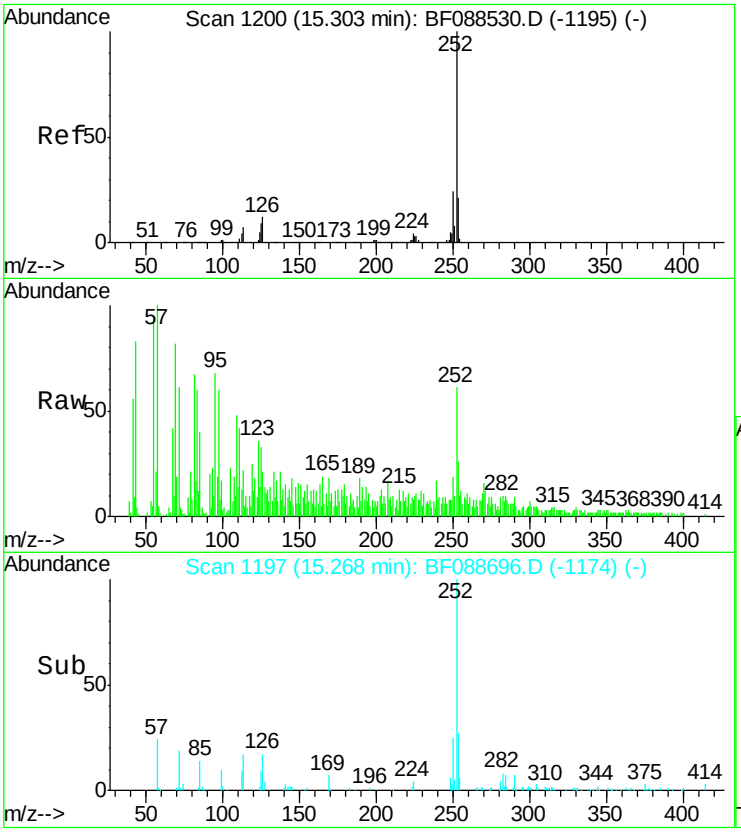


#88
Benzo(k)fluoranthene
Concen: 2.44 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Tgt Ion:252 Resp: 18066

Ion	Ratio	Lower	Upper
252	100		
253	47.1	18.0	27.0#
125	74.6	11.2	16.8#





#89
Benzo(a)pyrene
Concen: 2.23 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088696.D
Acq: 4 Jul 2016 15:30

Instrument :
BNA_F
ClientSampleId :
D11-B1(6-12)C

Tgt Ion:252 Resp: 16073

Ion	Ratio	Lower	Upper
252	100		
253	42.9	17.9	26.9#
125	53.4	12.5	18.7#