Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091038.D
Acq On : 4 Nov 2016 23:24
Operator : UM/SJ
Sample : H5526-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104-0.5-1.0

Quant Time: Nov 04 23:27:51 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	205688	20.00	ng		0.00
21) Naphthalene-d8	8.00	136	736116	20.00	ng		0.00
38) Acenaphthene-d10	9.74	164	378514	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	474695	20.00	ng		-0.01
75) Chrysene-d12	13.86	240	468039	20.00	ng		0.00
86) Perylene-d12	15.25	264	356402	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.30	112	1560496	125.30	ng		0.01
7) Phenol-d6	6.36	99	1724797	102.03	ng		0.01
23) Nitrobenzene-d5	7.28	82	1315452	97.48	ng		0.00
41) 2,4,6-Tribromophenol	10.53	330	364598	106.55	ng		0.00
44) 2-Fluorobiphenyl	9.07	172	1804244	82.06	ng		0.00
78) Terphenyl-d14	12.82	244	1617644	86.25	ng		0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.48	77	35388	3.77	ng		90
10) Phenol	6.37	94	37936	2.03	ng	#	68
19) n-Nitroso-di-n-propylamine	7.28	70	193789	16.54	ng	#	77
31) Naphthalene	8.01	128	111217	3.16	ng		99
32) Benzoic acid	7.80	122	2101	5.31	ng	#	55
35) Caprolactam	8.43	113	31884	11.15	ng	#	88
49) Dimethylphthalate	9.47	163	705829	28.44	ng		99
55) 4-Nitrophenol	9.85	139	2117	6.20	ng	#	1
56) 2,4-Dinitrotoluene	9.74	165	50958	7.53	ng	#	26
66) 4-Bromophenyl-phenylether	10.53	248	26209	5.31	ng	#	1
70) Phenanthrene	11.24	178	262479	10.40	ng		98
73) Di-n-butylphthalate	11.80	149	523868	17.23	ng		99
74) Fluoranthene	12.43	202	429449	16.41	ng		97
77) Pyrene	12.66	202	369320	12.05	ng		98
80) Benzo(a)anthracene	13.85	228	247606	9.32	ng		96
82) Chrysene	13.85	228	247606	9.45	ng		96
83) Bis(2-ethylhexyl)phthalate	13.86	149	236818	11.94	ng	#	94
85) Indeno(1,2,3-cd)pyrene	16.57	276	107032	4.92	ng	#	88
87) Benzo(b)fluoranthene	14.87	252	350865	14.51	ng	#	88
88) Benzo(k)fluoranthene	14.87	252	350865	16.55	ng	#	92
89) Benzo(a)pyrene	15.20	252	161812	7.69	ng	#	84
91) Benzo(g,h,i)perylene	16.97	276	97454	5.92	ng		98

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

Quantitation Report (Not Reviewed)

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ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
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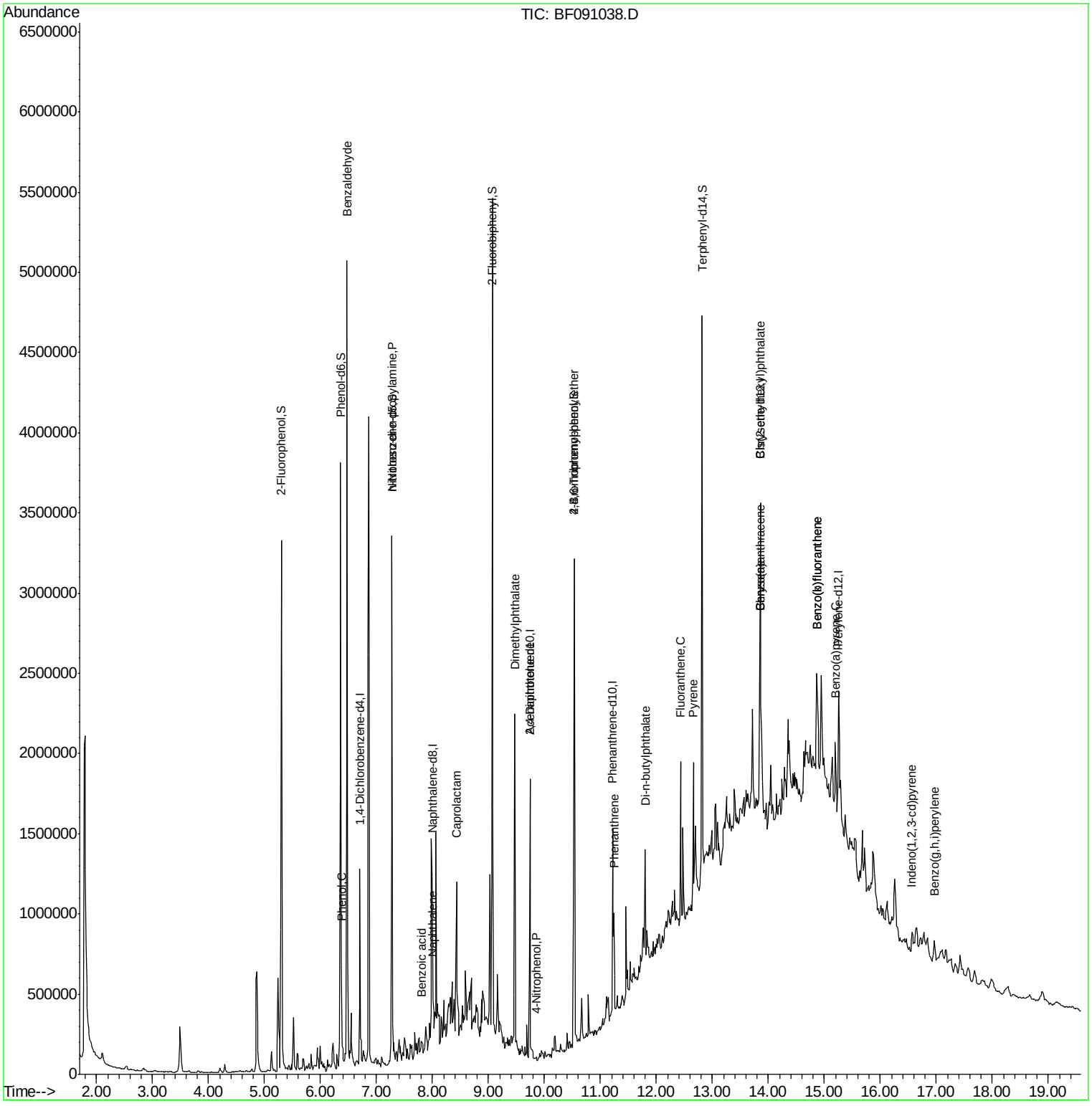
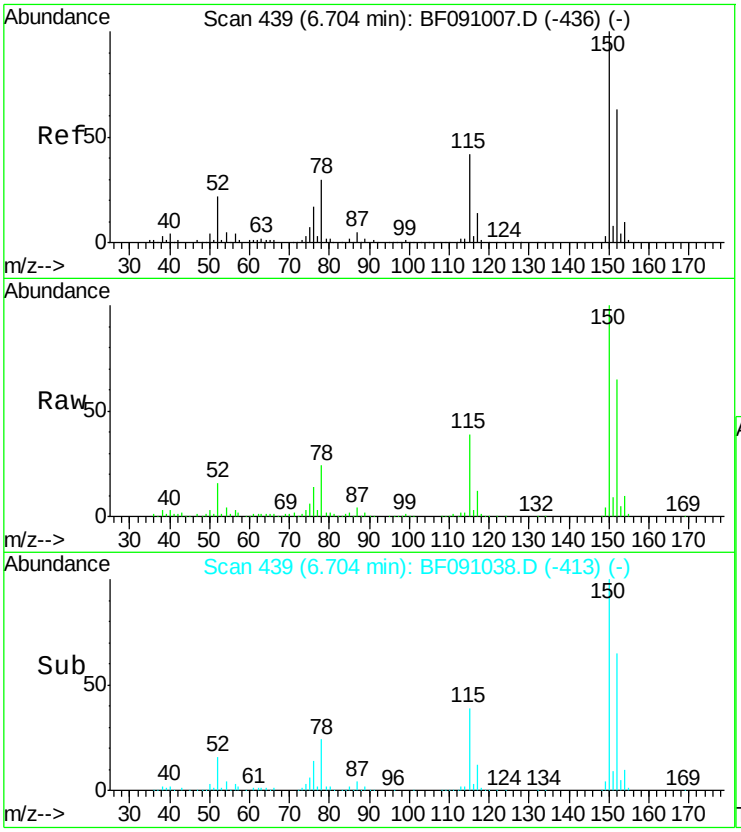
SB-104-0.5-1.0

Quant Time: Nov 04 23:27:51 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration



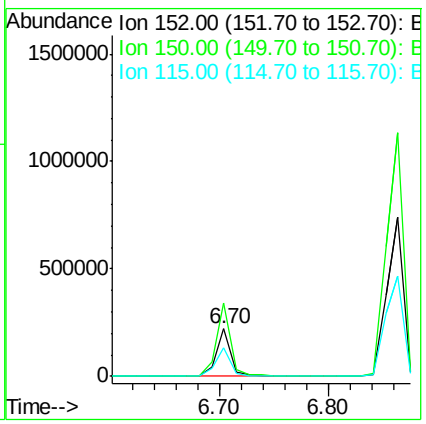


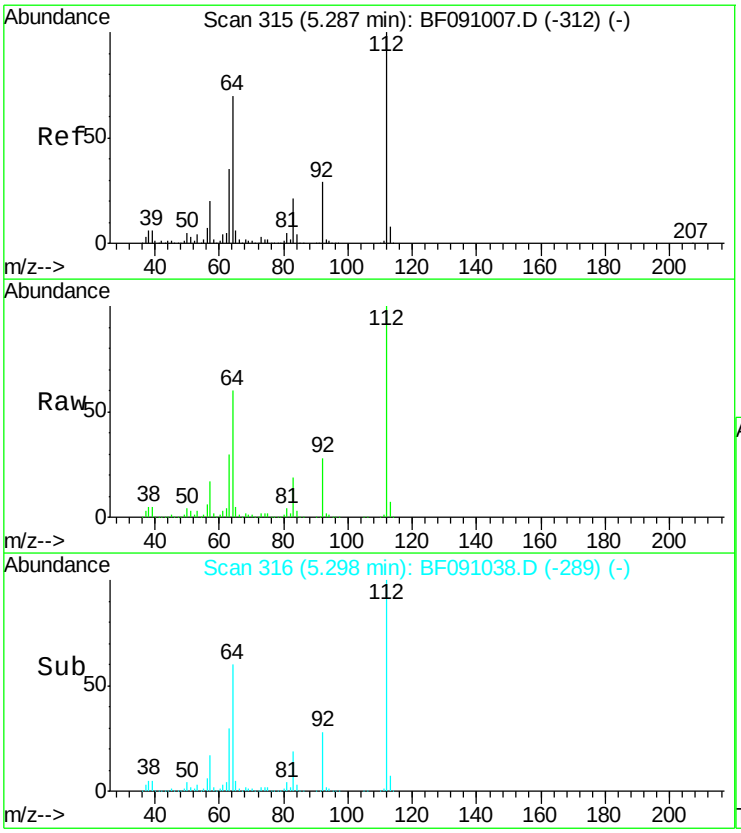
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:152 Resp: 205688

Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.8	190.2
115	60.1	53.3	79.9

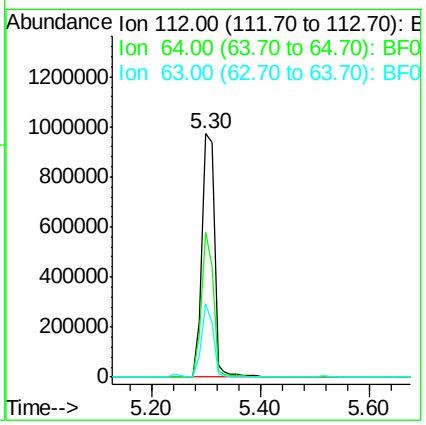


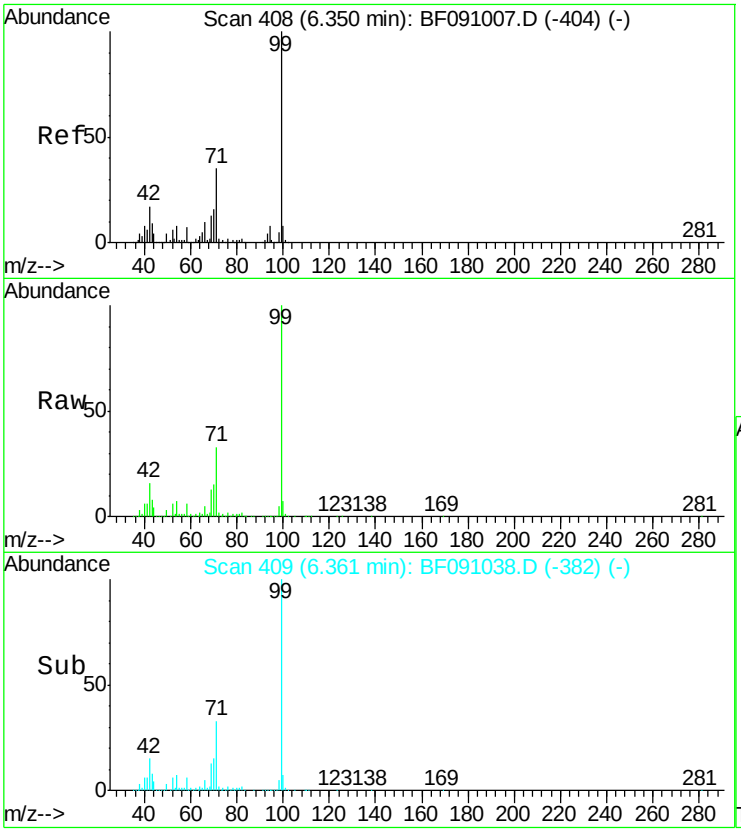


#5
2-Fluorophenol
Concen: 125.30 ng
RT: 5.30 min Scan# 316
Delta R.T. 0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:112 Resp: 1560496

Ion	Ratio	Lower	Upper
112	100		
64	59.7	55.8	83.6
63	30.2	28.0	42.0



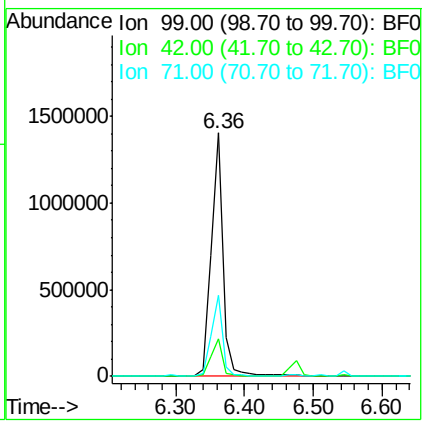


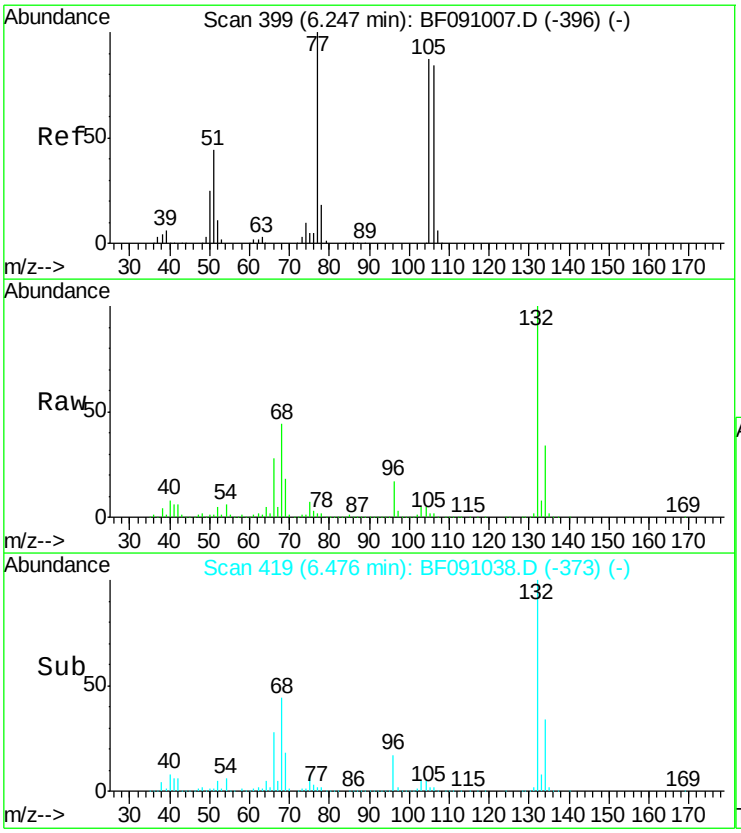
#7
Phenol-d6
Concen: 102.03 ng
RT: 6.36 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion: 99 Resp: 1724797

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.9	20.9
71	33.5	27.8	41.8

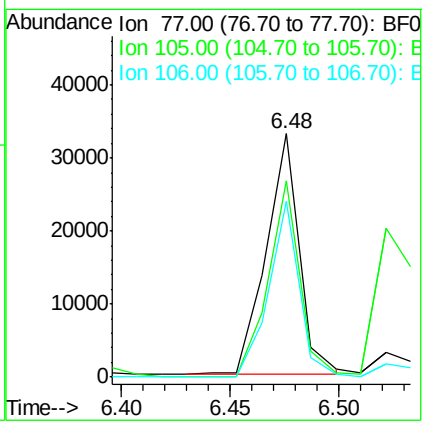


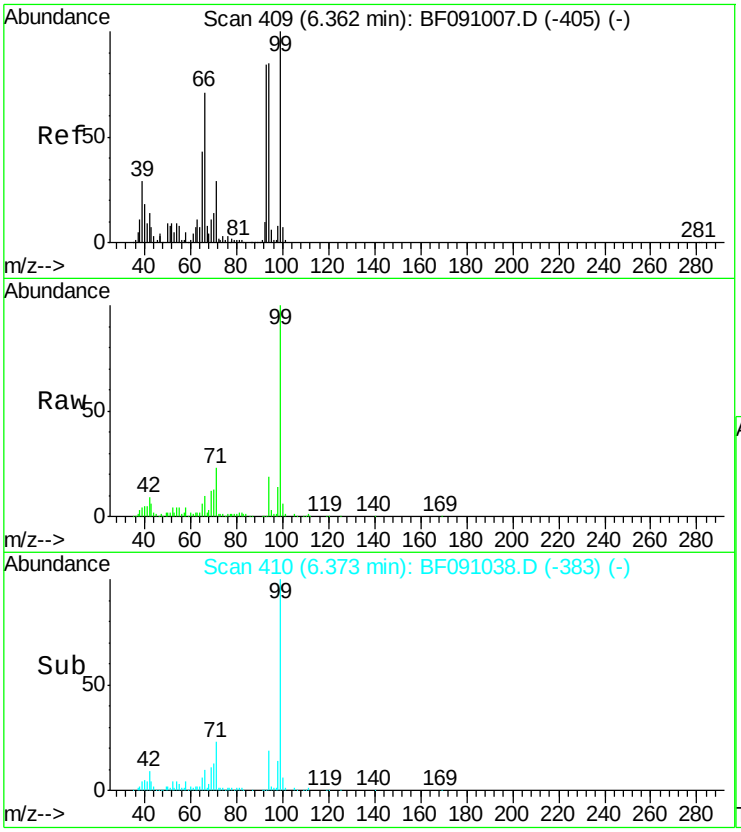


#9
Benzaldehyde
Concen: 3.77 ng
RT: 6.48 min Scan# 419
Delta R.T. 0.23 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion: 77 Resp: 35388

Ion	Ratio	Lower	Upper
77	100		
105	80.6	66.8	106.8
106	71.9	64.0	104.0



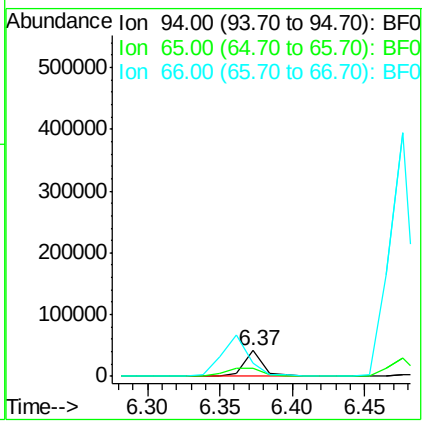


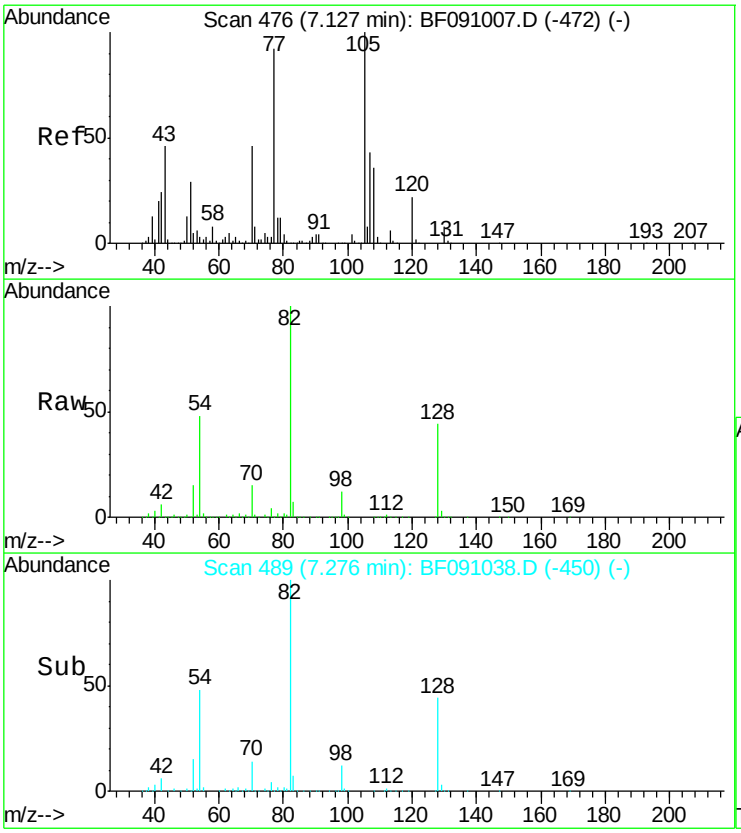
#10
Phenol
Concen: 2.03 ng
RT: 6.37 min Scan# 410
Delta R.T. 0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion: 94 Resp: 37936

Ion	Ratio	Lower	Upper
94	100		
65	30.5	30.4	70.4
66	52.0	62.9	102.9#

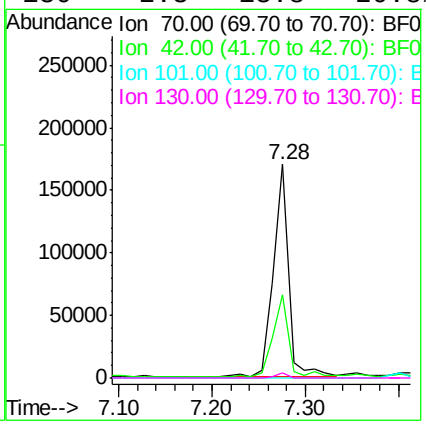


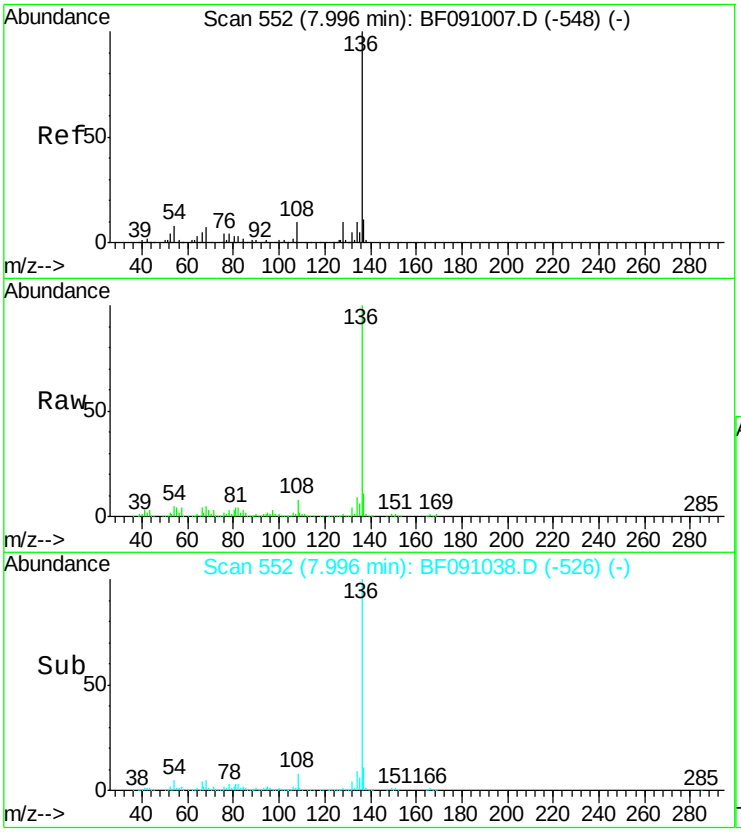


#19
n-Nitroso-di-n-propylamine
Concen: 16.54 ng
RT: 7.28 min Scan# 489
Delta R.T. 0.15 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion: 70 Resp: 193789

Ion	Ratio	Lower	Upper
70	100		
42	39.1	41.7	62.5#
101	0.0	6.7	10.1#
130	2.3	13.8	20.8#



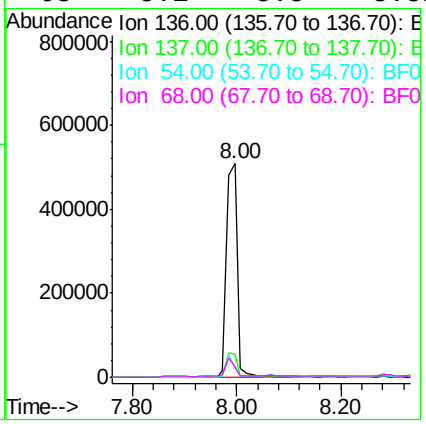


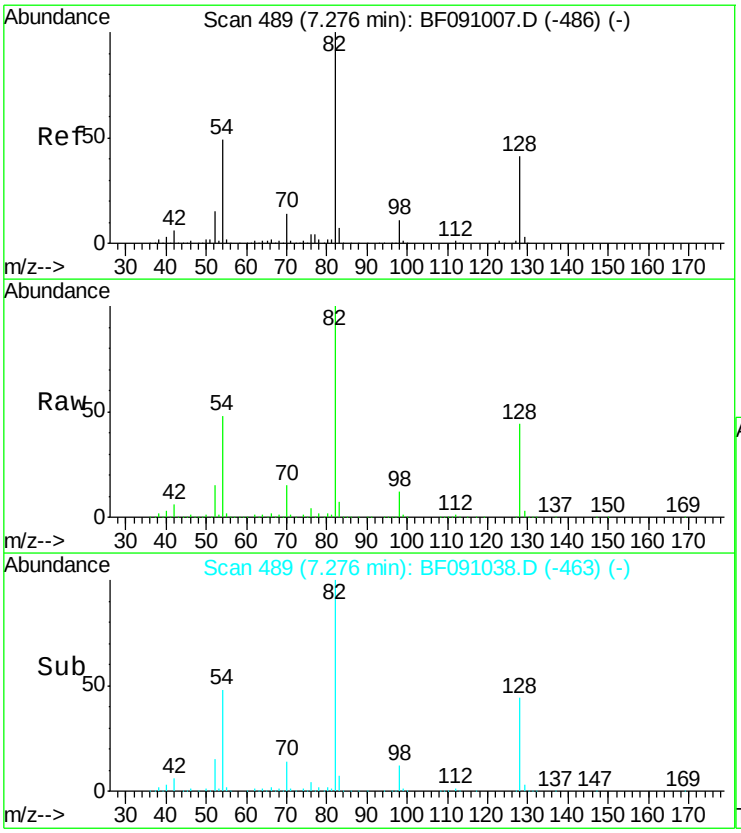
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:136 Resp: 736116

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	4.9	6.2	9.2#
68	5.1	5.5	8.3#

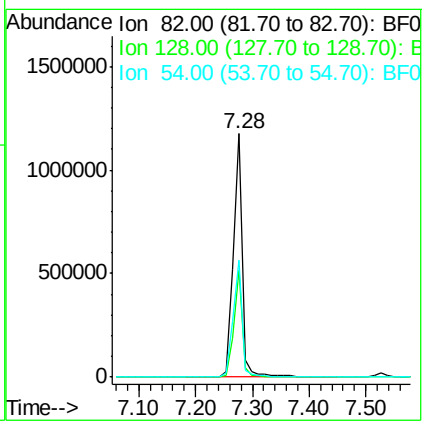


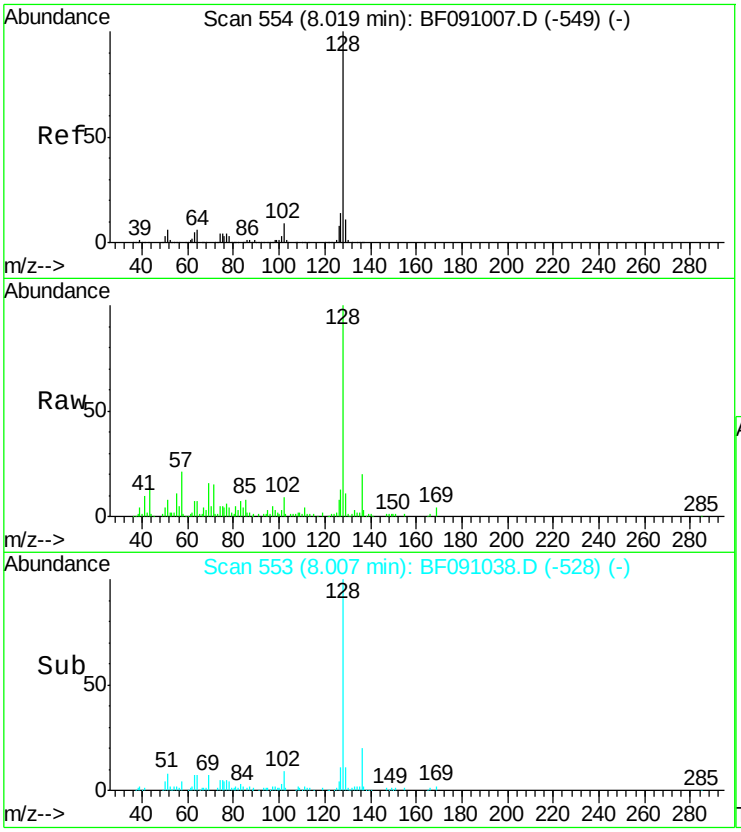


#23
Nitrobenzene-d5
Concen: 97.48 ng
RT: 7.28 min Scan# 489
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion: 82 Resp: 1315452

Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.4	48.6
54	47.8	39.2	58.8



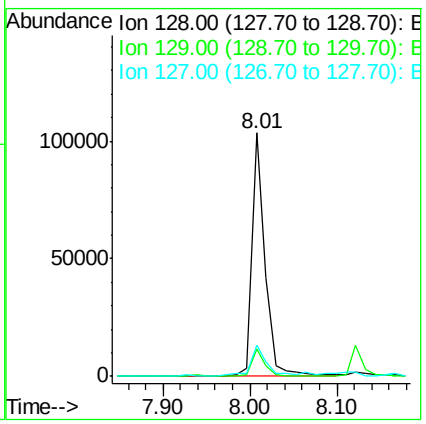


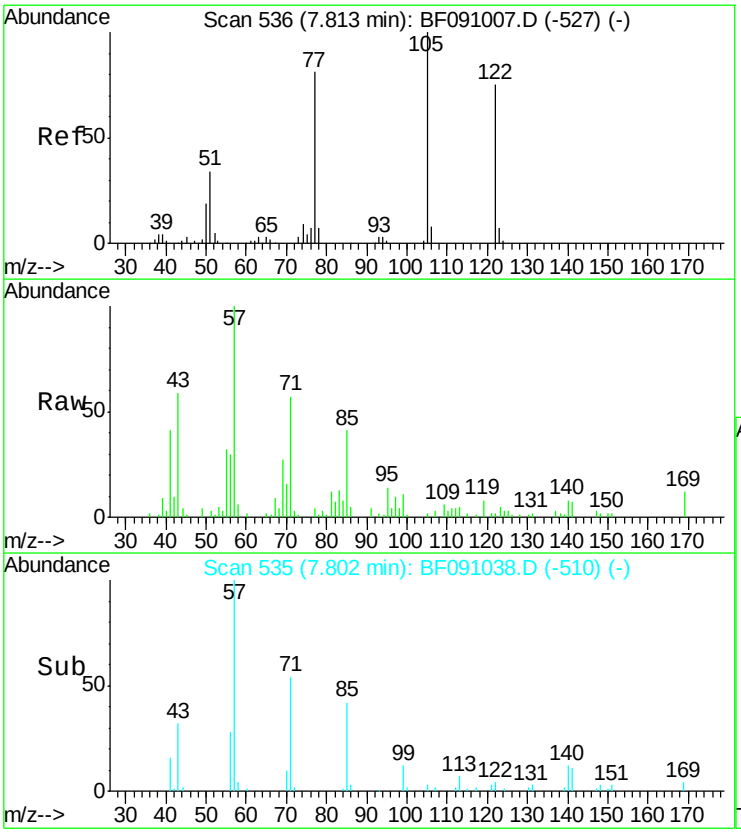
#31
Naphthalene
Concen: 3.16 ng
RT: 8.01 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:128 Resp: 111217

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.9	10.9	16.3

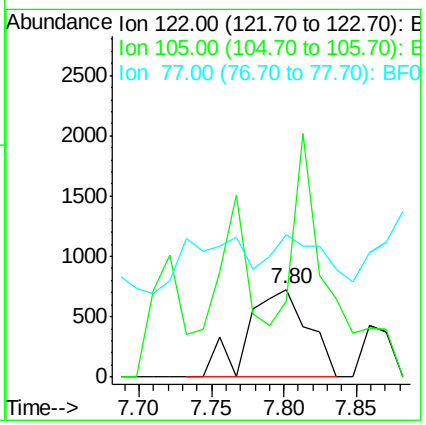


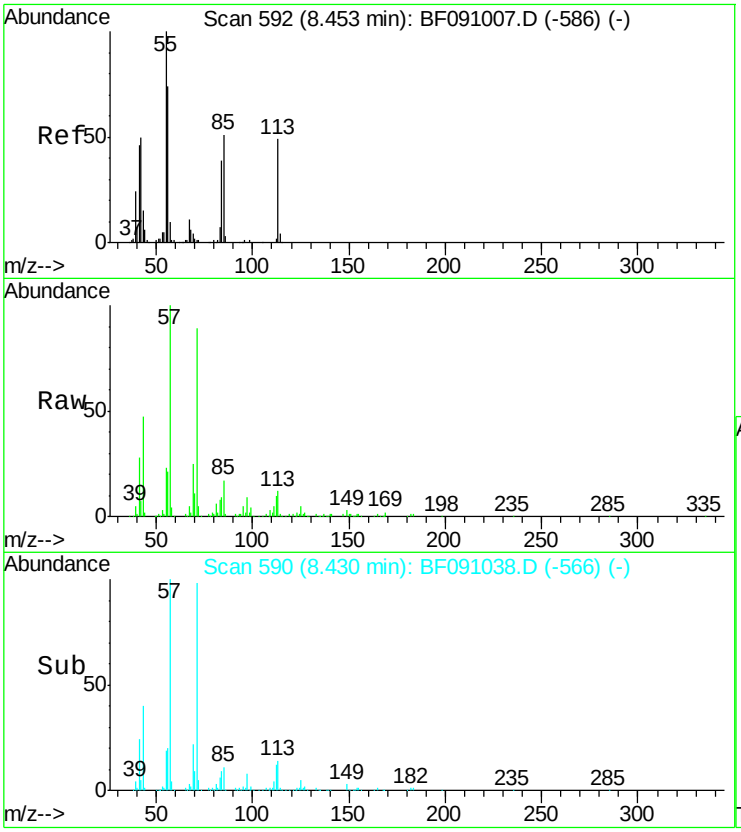


#32
Benzoic acid
Concen: 5.31 ng
RT: 7.80 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:122 Resp: 2101

Ion	Ratio	Lower	Upper
122	100		
105	86.0	105.9	145.9#
77	161.9	84.0	124.0#



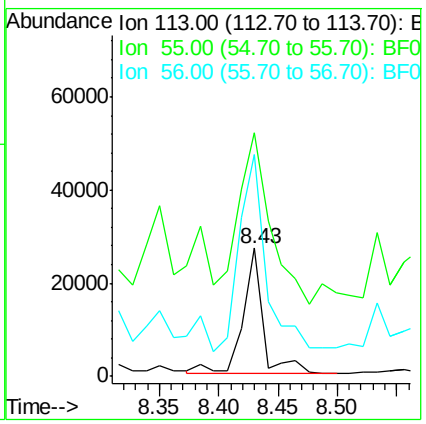


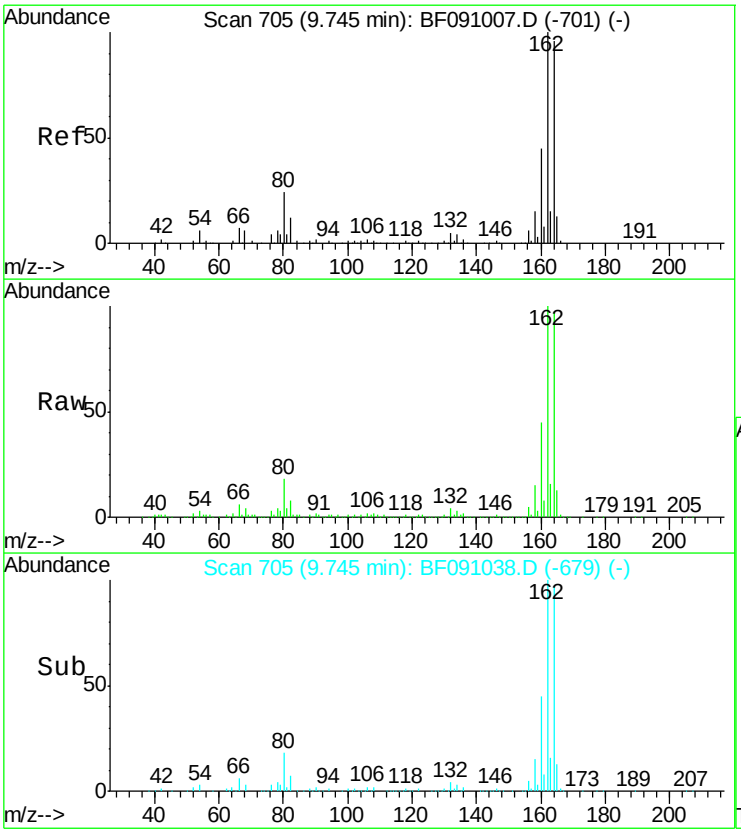
#35
Caprolactam
Concen: 11.15 ng
RT: 8.43 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:113 Resp: 31884

Ion	Ratio	Lower	Upper
113	100		
55	189.7	184.1	224.1
56	172.7	132.0	172.0#

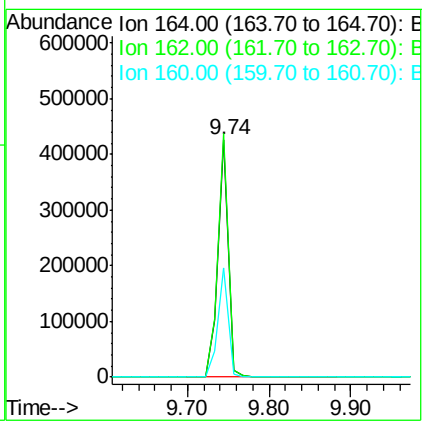


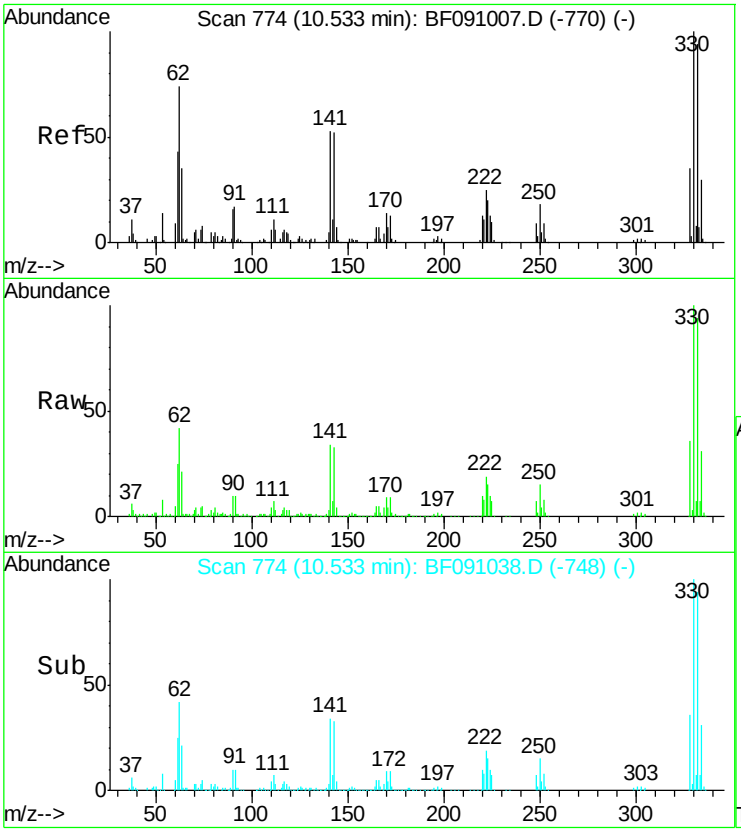


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 705
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:164 Resp: 378514

Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.6	125.4
160	46.1	37.9	56.9



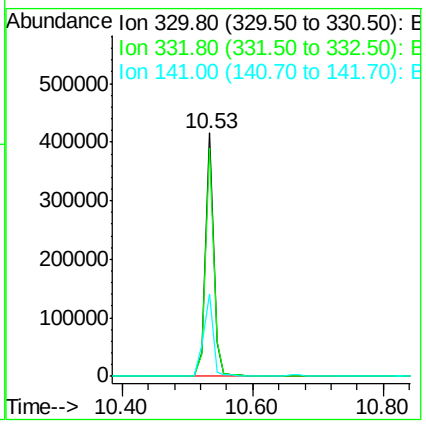


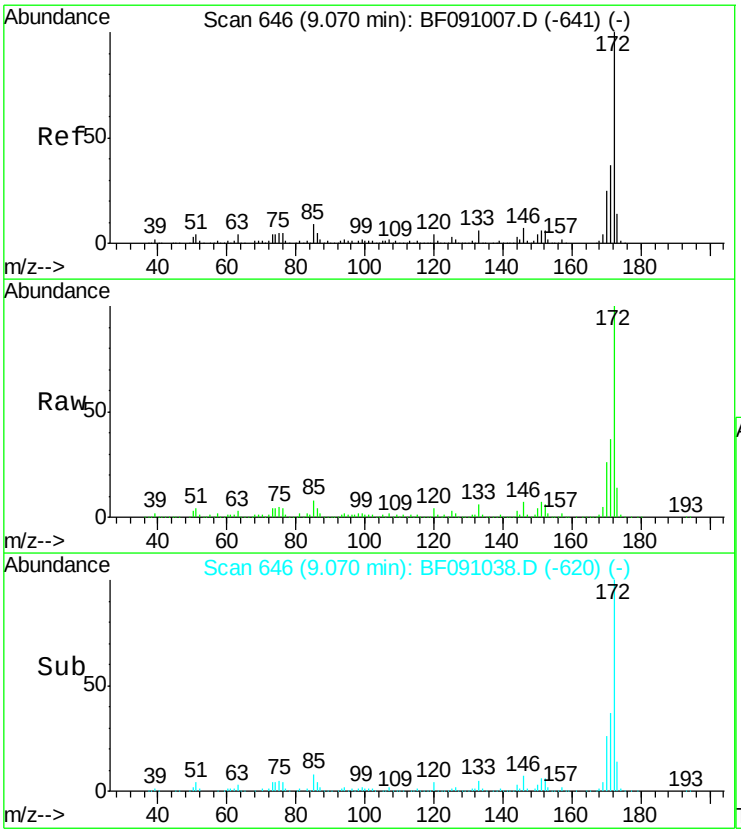
#41
2,4,6-Tribromophenol
Concen: 106.55 ng
RT: 10.53 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:330 Resp: 364598

Ion	Ratio	Lower	Upper
330	100		
332	94.9	75.9	113.9
141	39.1	36.1	54.1

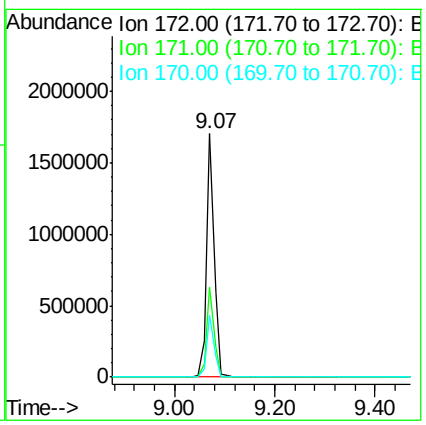


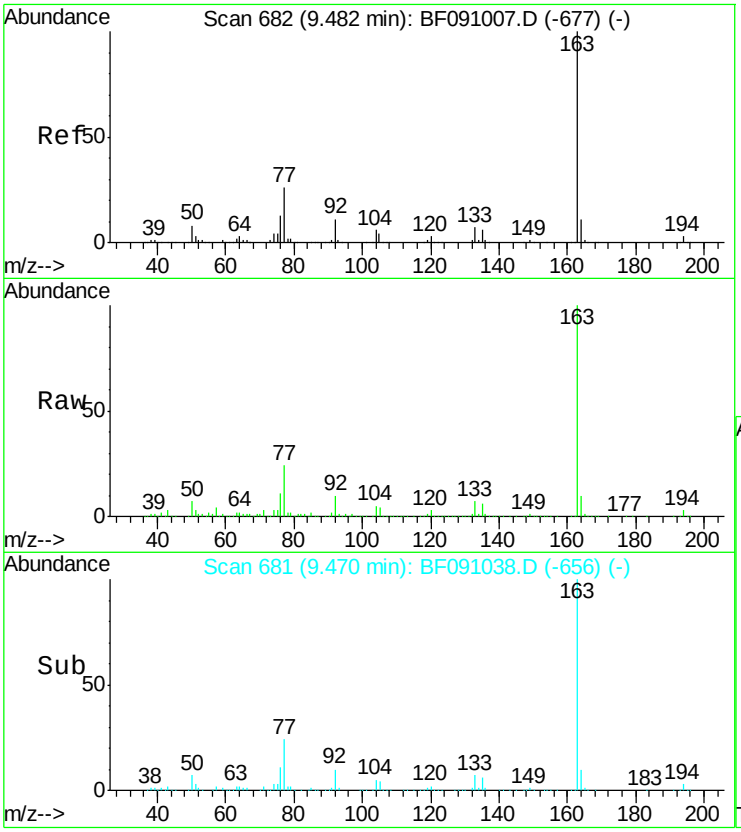


#44
2-Fluorobiphenyl
Concen: 82.06 ng
RT: 9.07 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:172 Resp: 1804244

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	25.6	20.3	30.5



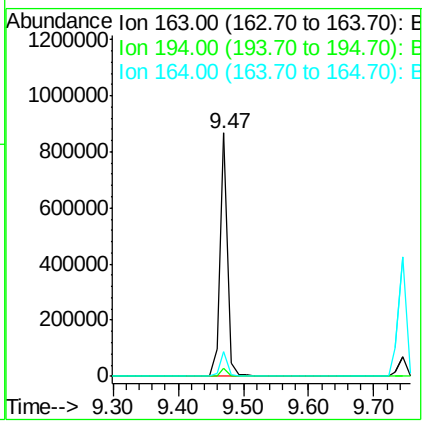


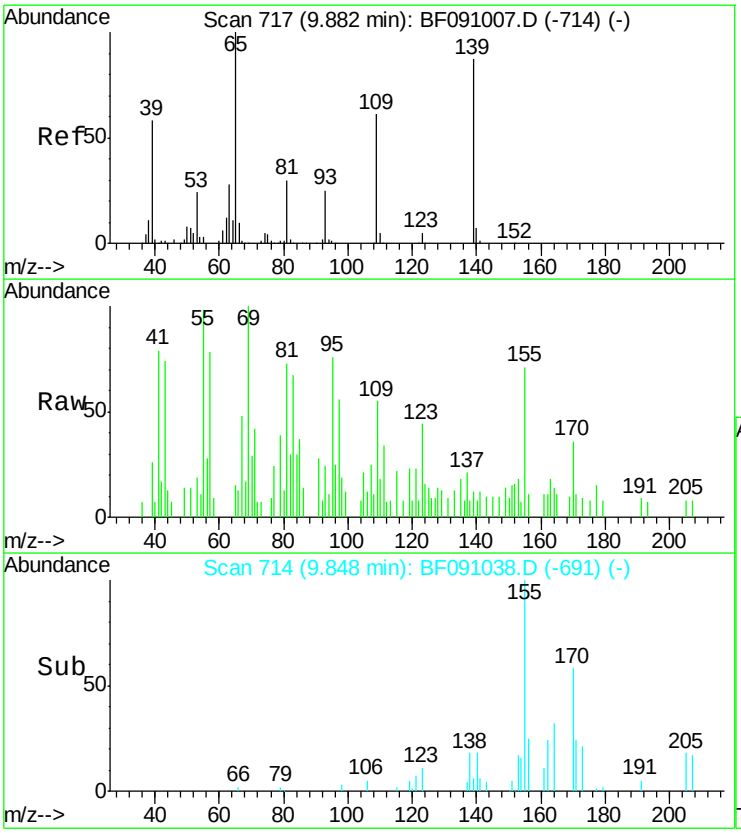
#49
Dimethylphthalate
Concen: 28.44 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:163 Resp: 705829

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.4	8.7	13.1

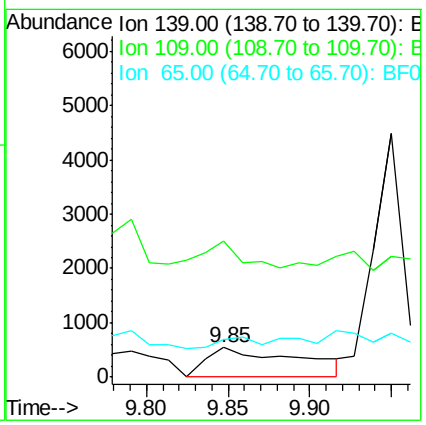


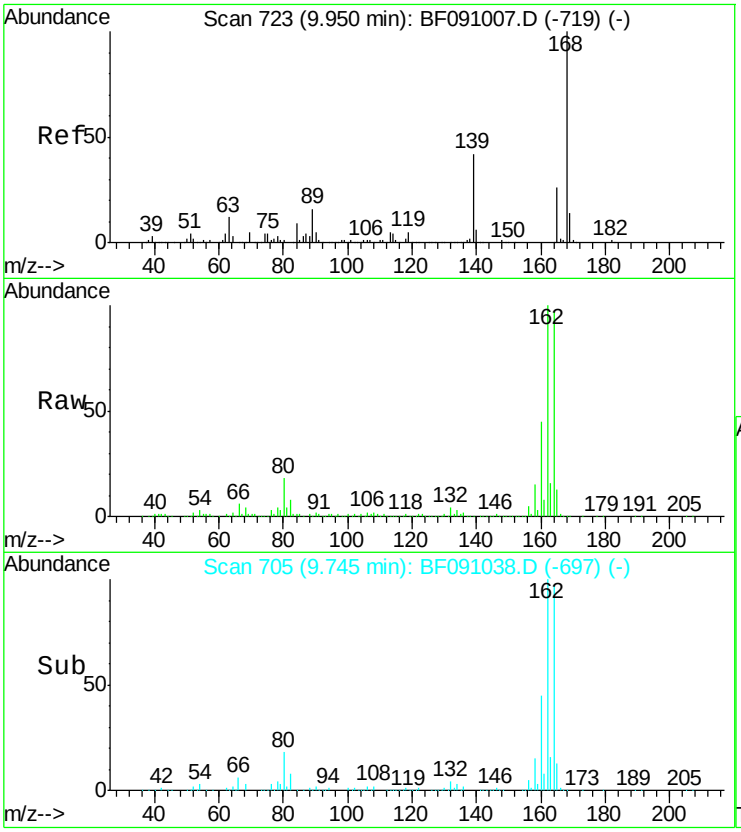


#55
4-Nitrophenol
Concen: 6.20 ng
RT: 9.85 min Scan# 714
Delta R.T. -0.03 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:139 Resp: 2117

Ion	Ratio	Lower	Upper
139	100		
109	465.2	50.5	90.5#
65	128.9	97.1	137.1



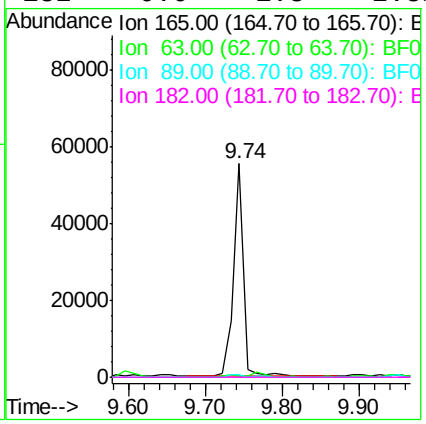


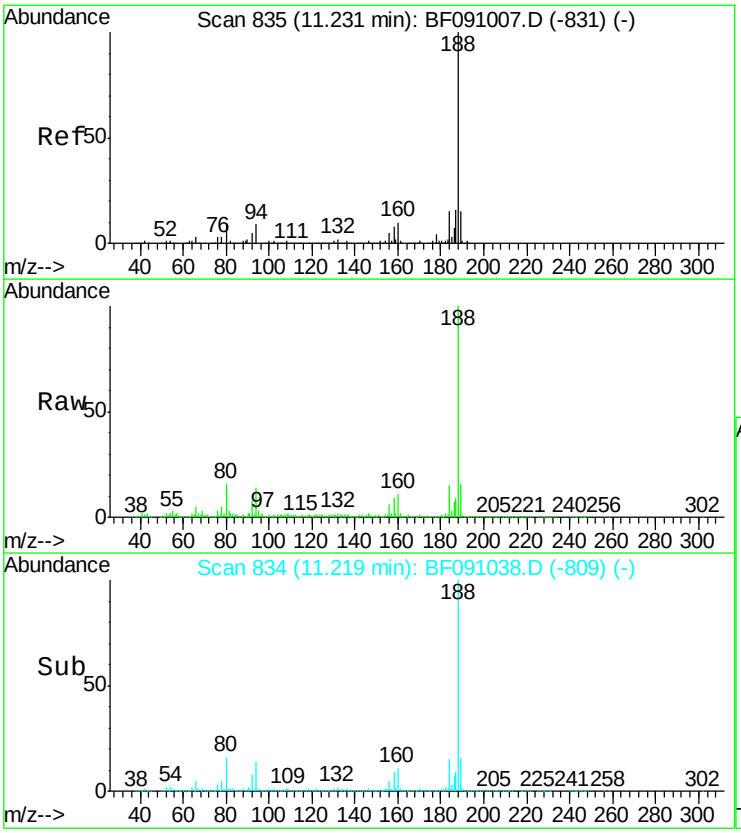
#56
2,4-Dinitrotoluene
Concen: 7.53 ng
RT: 9.74 min Scan# 705
Delta R.T. -0.21 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:165 Resp: 50958

Ion	Ratio	Lower	Upper
165	100		
63	0.9	38.7	58.1#
89	1.0	50.6	76.0#
182	0.0	1.8	2.8#

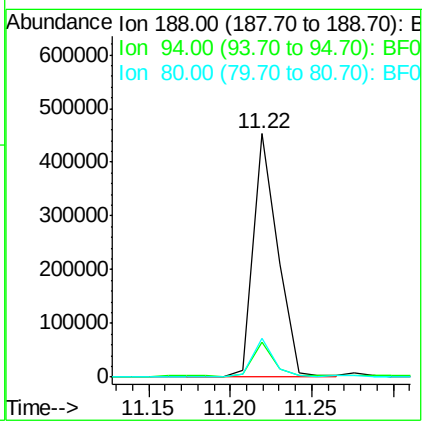


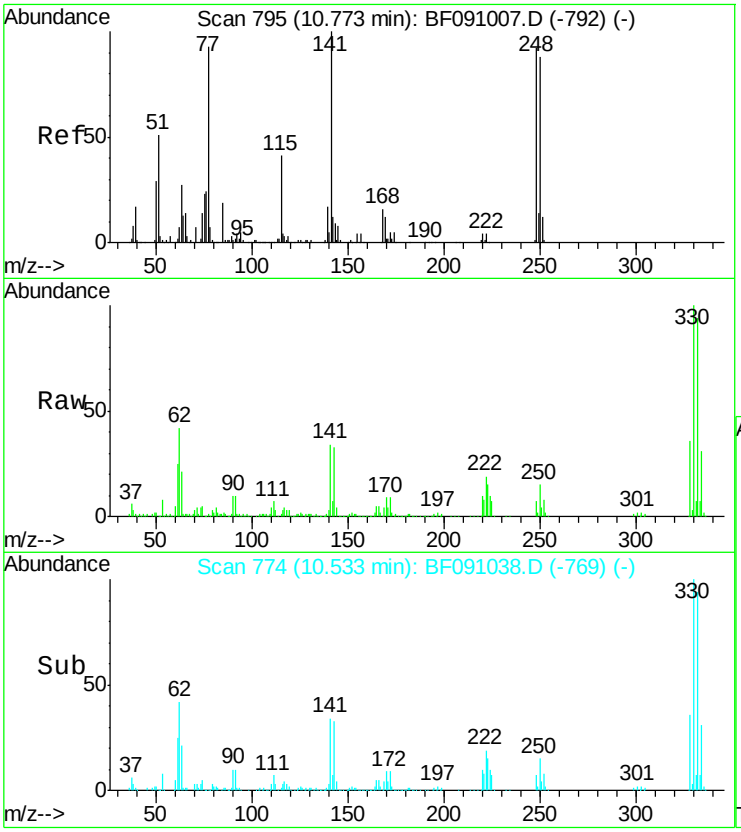


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:188 Resp: 474695

Ion	Ratio	Lower	Upper
188	100		
94	14.2	7.0	10.4#
80	15.9	7.5	11.3#



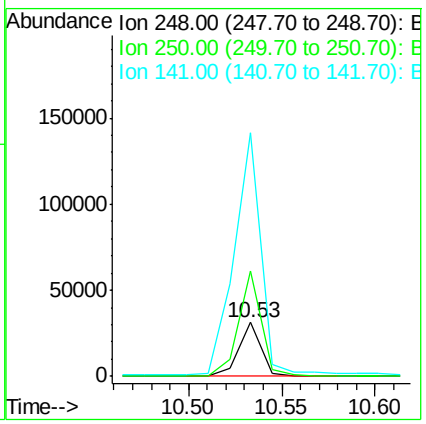


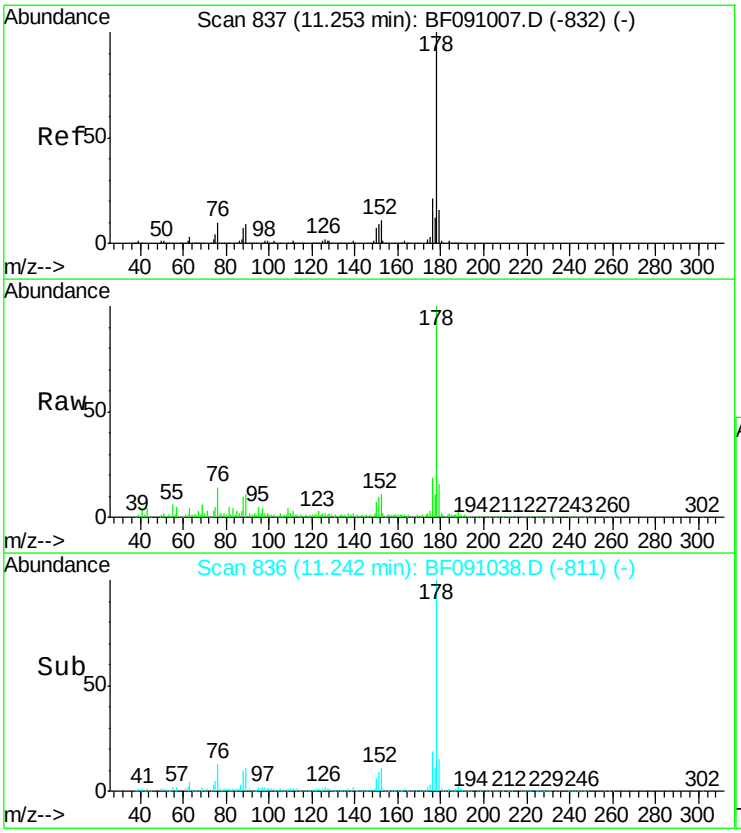
#66
4-Bromophenyl-phenylether
Concen: 5.31 ng
RT: 10.53 min Scan# 774
Delta R.T. -0.24 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:248 Resp: 26209

Ion	Ratio	Lower	Upper
248	100		
250	197.3	76.3	114.5#
141	454.1	86.8	130.2#

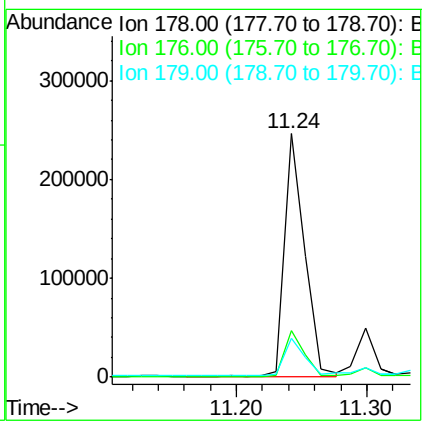


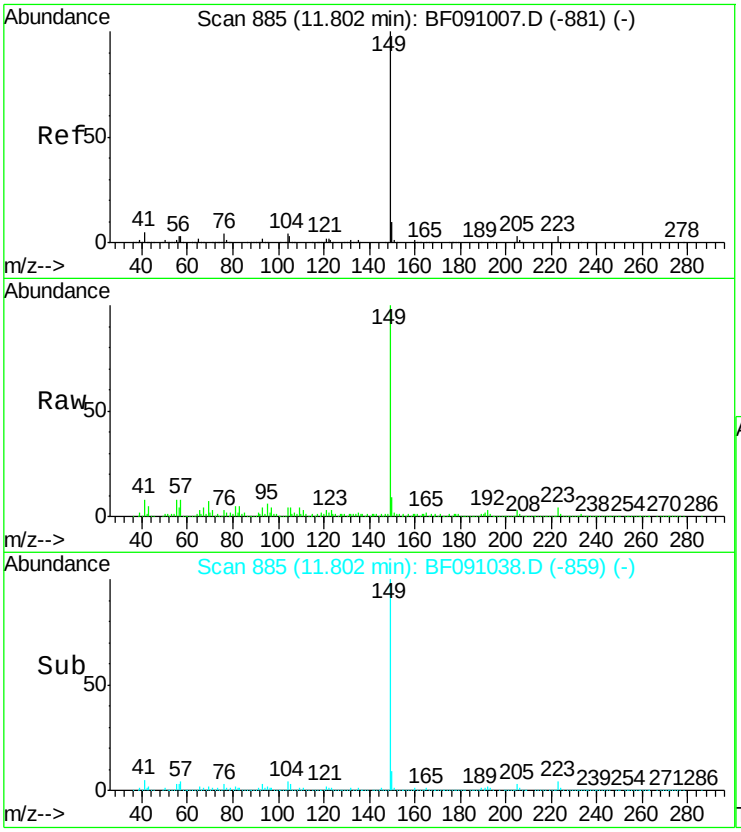


#70
Phenanthrene
Concen: 10.40 ng
RT: 11.24 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:178 Resp: 262479

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	25.0
179	15.8	12.9	19.3



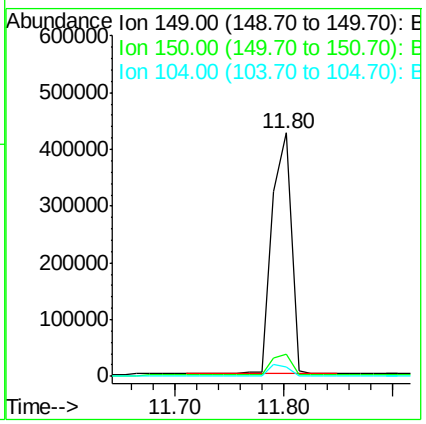


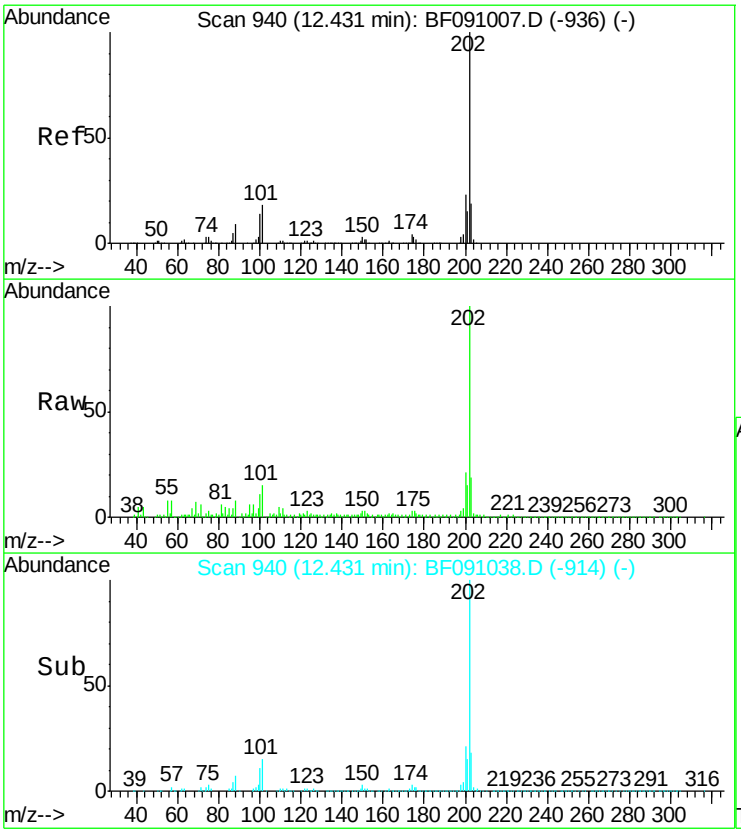
#73
Di-n-butylphthalate
Concen: 17.23 ng
RT: 11.80 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:149 Resp: 523868

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	4.1	3.6	5.4

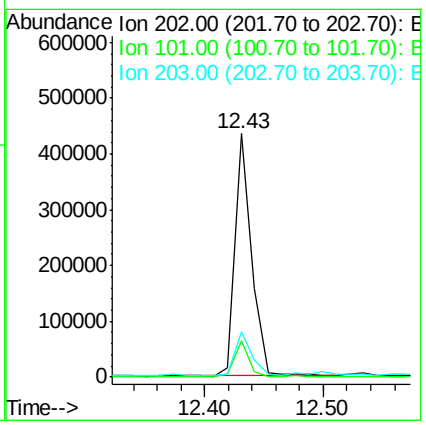


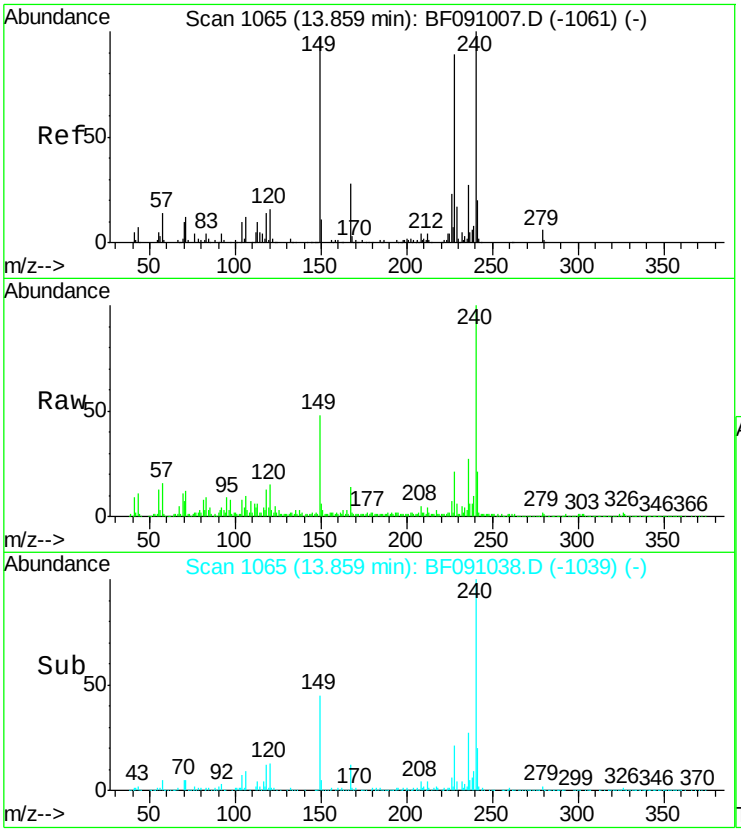


#74
Fluoranthene
Concen: 16.41 ng
RT: 12.43 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:202 Resp: 429449

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	37.6
203	18.7	0.0	38.6



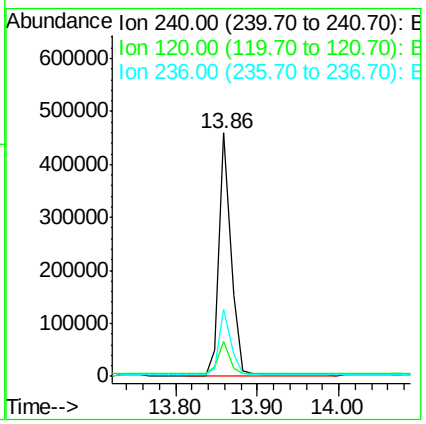


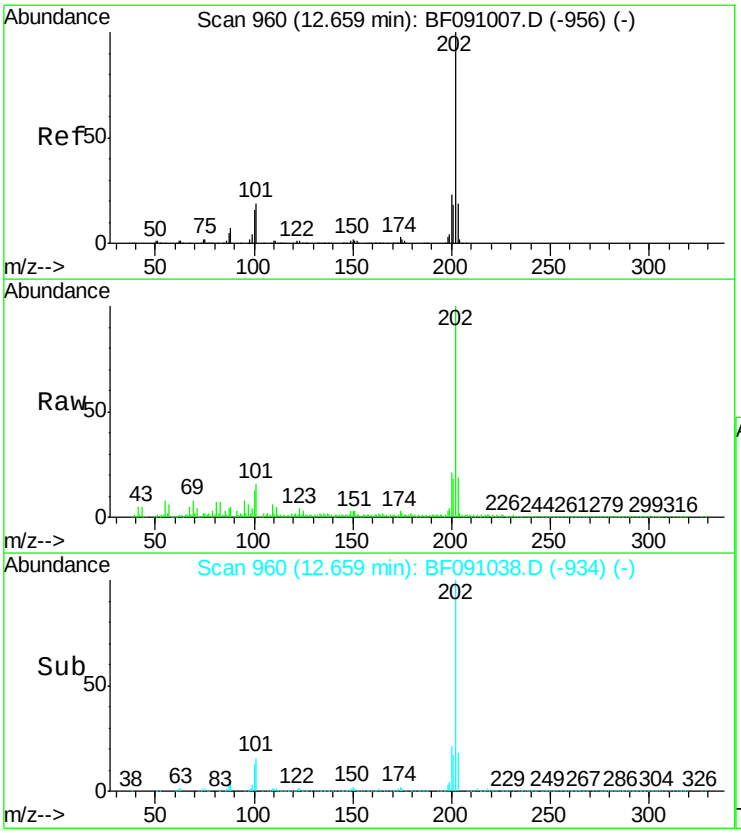
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:240 Resp: 468039

Ion	Ratio	Lower	Upper
240	100		
120	14.6	12.9	19.3
236	27.5	21.9	32.9

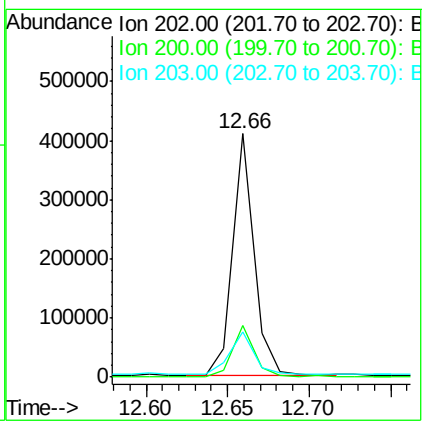


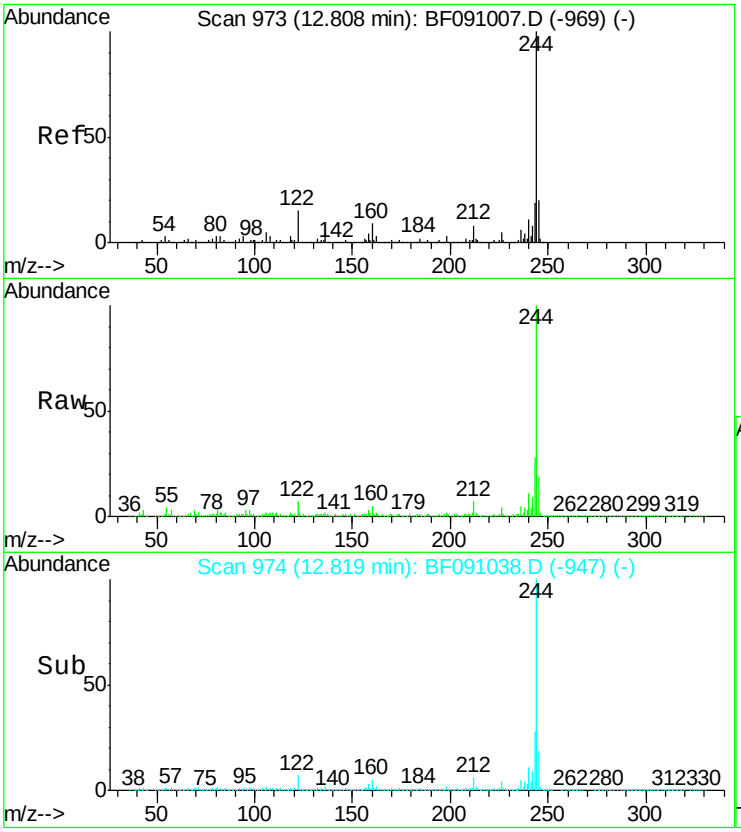


#77
Pyrene
Concen: 12.05 ng
RT: 12.66 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:202 Resp: 369320

Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.4	27.6
203	18.8	15.0	22.6



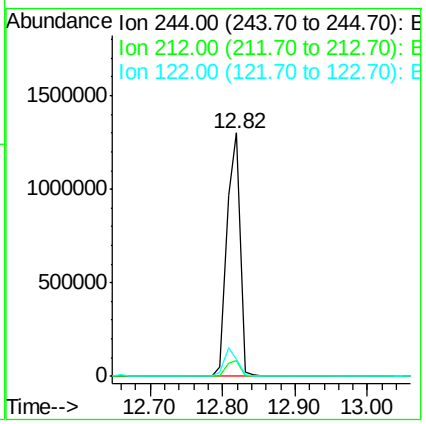


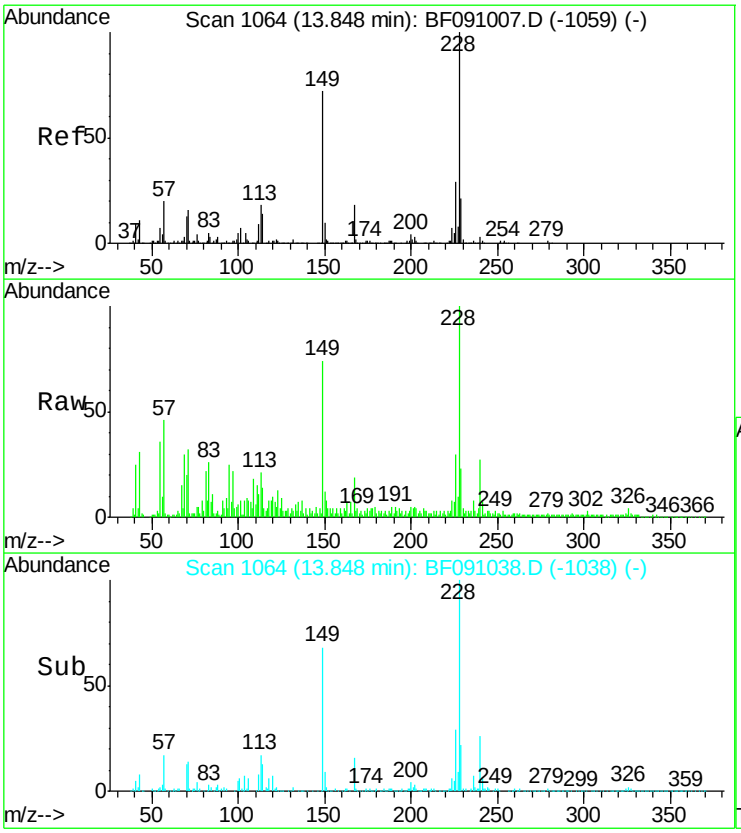
#78
Terphenyl-d14
Concen: 86.25 ng
RT: 12.82 min Scan# 974
Delta R.T. 0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:244 Resp: 1617644

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.4	9.6
122	7.2	12.3	18.5#

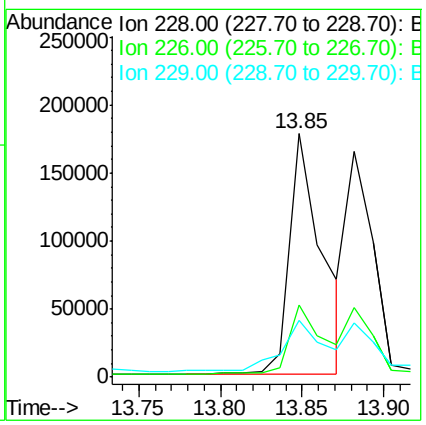


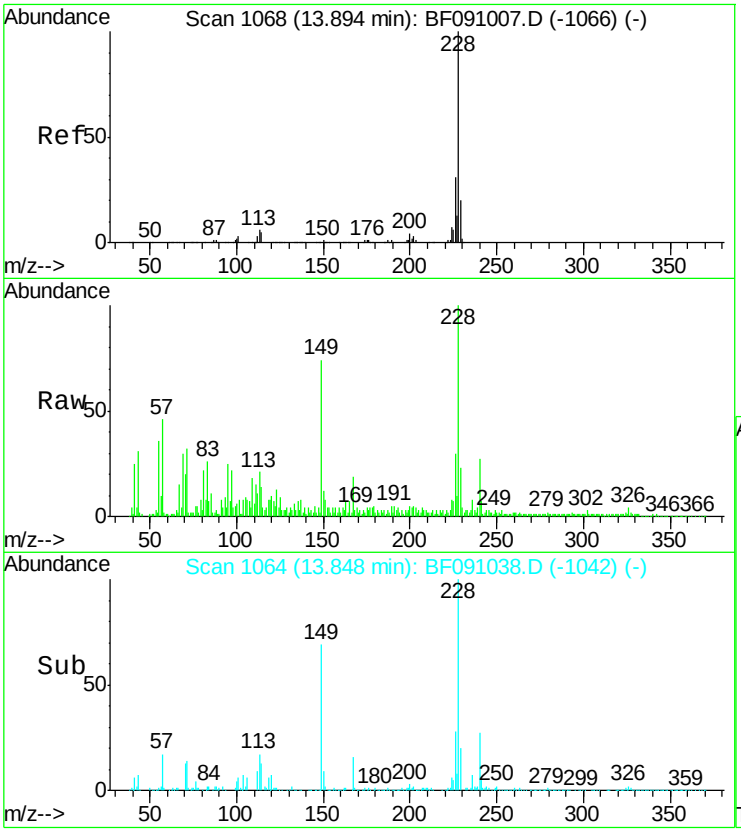


#80
Benzo(a)anthracene
Concen: 9.32 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:228 Resp: 247606

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.6
229	23.4	16.6	24.8



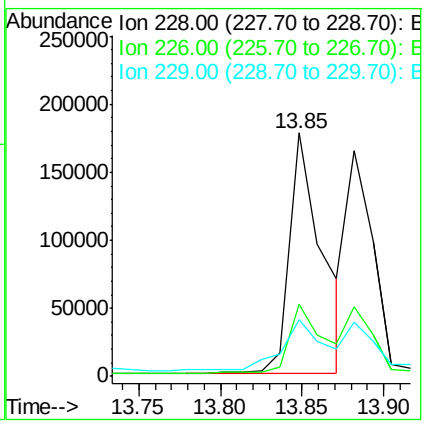


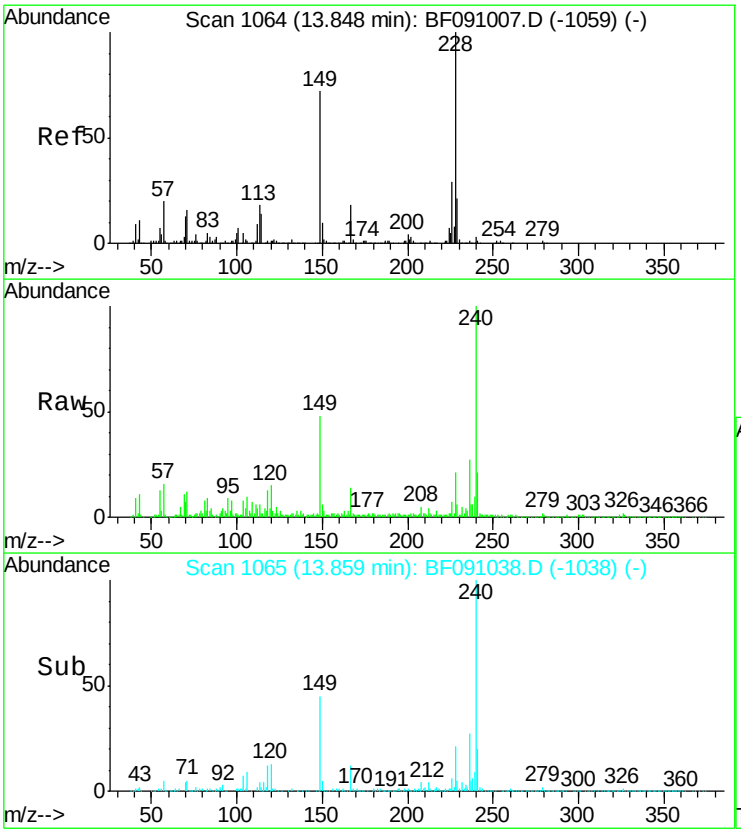
#82
Chrysene
Concen: 9.45 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.05 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:228 Resp: 247606

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	23.4	15.9	23.9

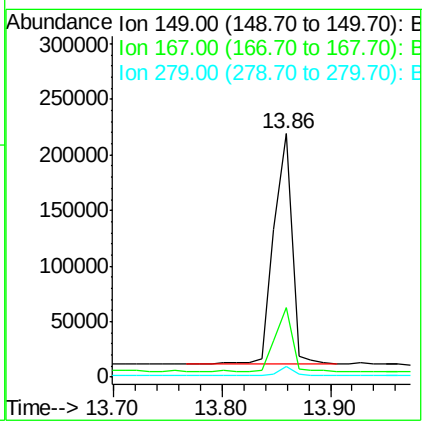


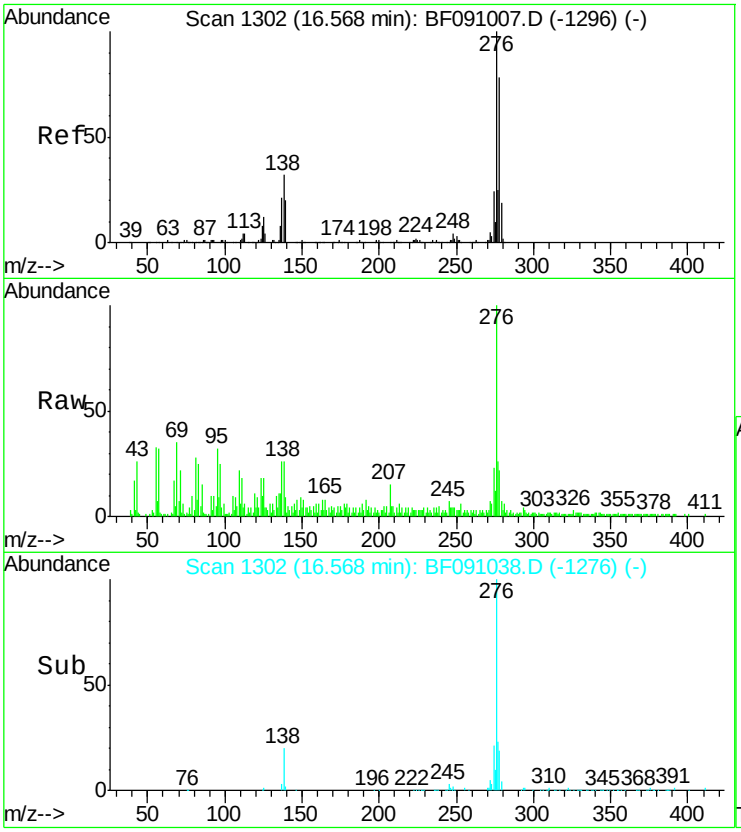


#83
Bis(2-ethylhexyl)phthalate
Concen: 11.94 ng
RT: 13.86 min Scan# 1065
Delta R.T. 0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:149 Resp: 236818

Ion	Ratio	Lower	Upper
149	100		
167	28.3	20.4	30.6
279	4.6	1.6	2.4#



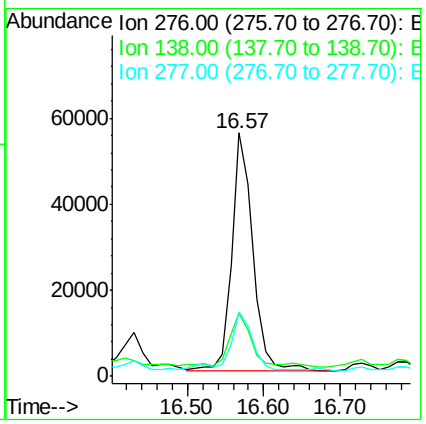


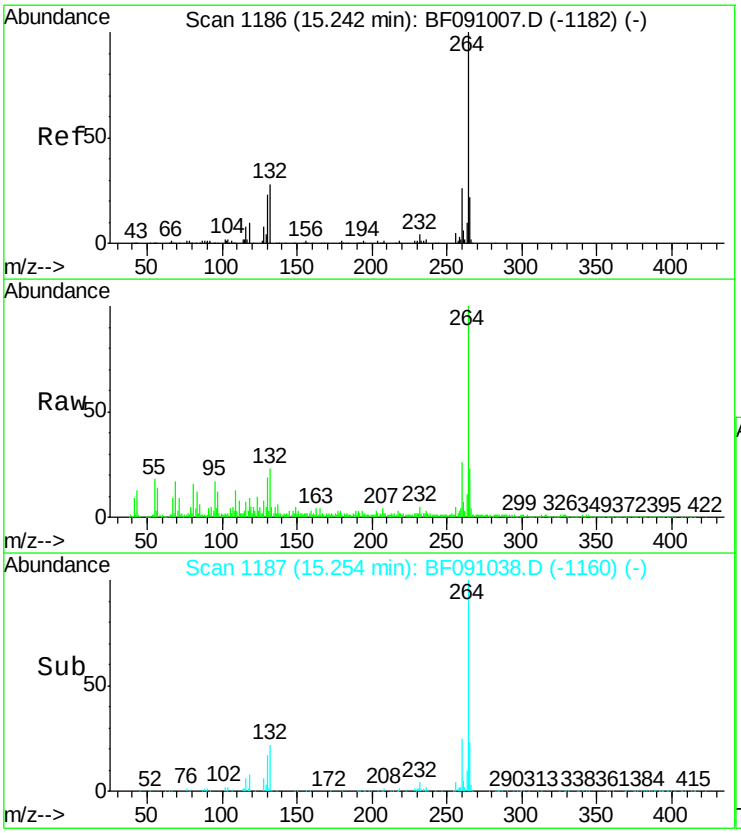
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.92 ng
RT: 16.57 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:276 Resp: 107032

Ion	Ratio	Lower	Upper
276	100		
138	21.6	26.0	39.0#
277	26.0	20.1	30.1

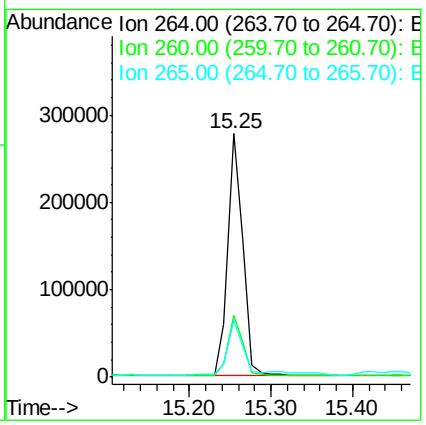


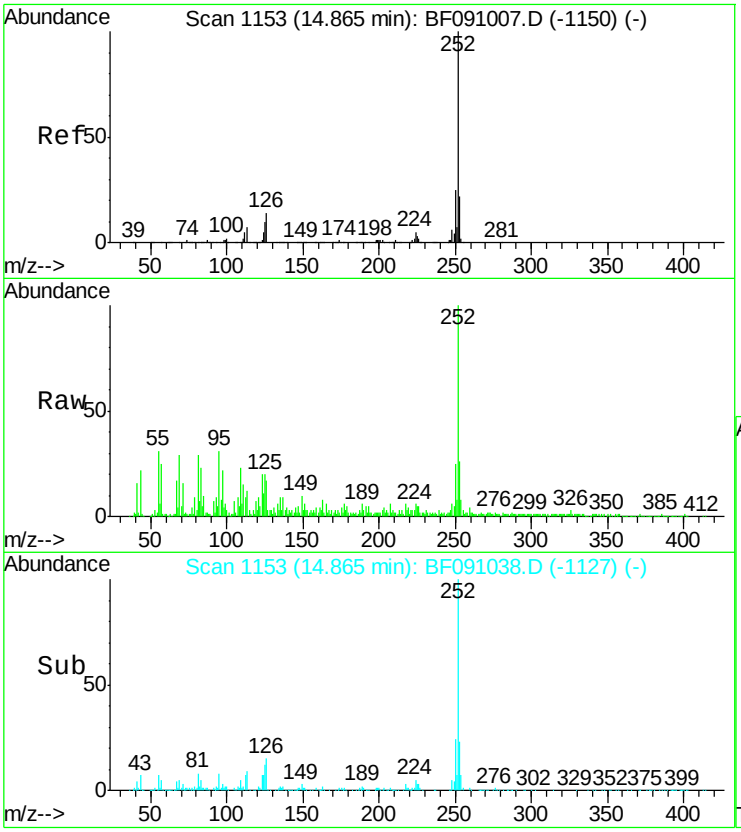


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:264 Resp: 356402

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.6	30.8
265	23.4	17.8	26.8



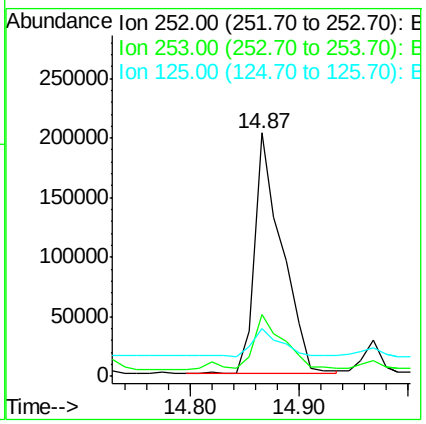


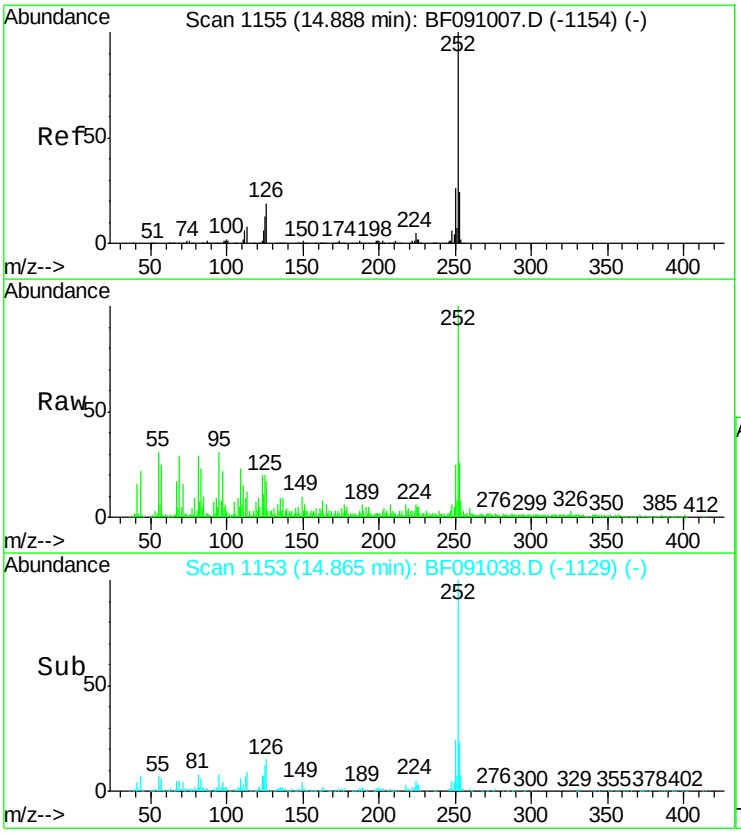
#87
Benzo(b)fluoranthene
Concen: 14.51 ng
RT: 14.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:252 Resp: 350865

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	19.7	8.3	12.5#

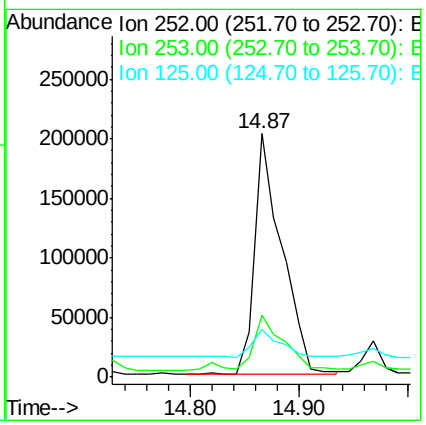


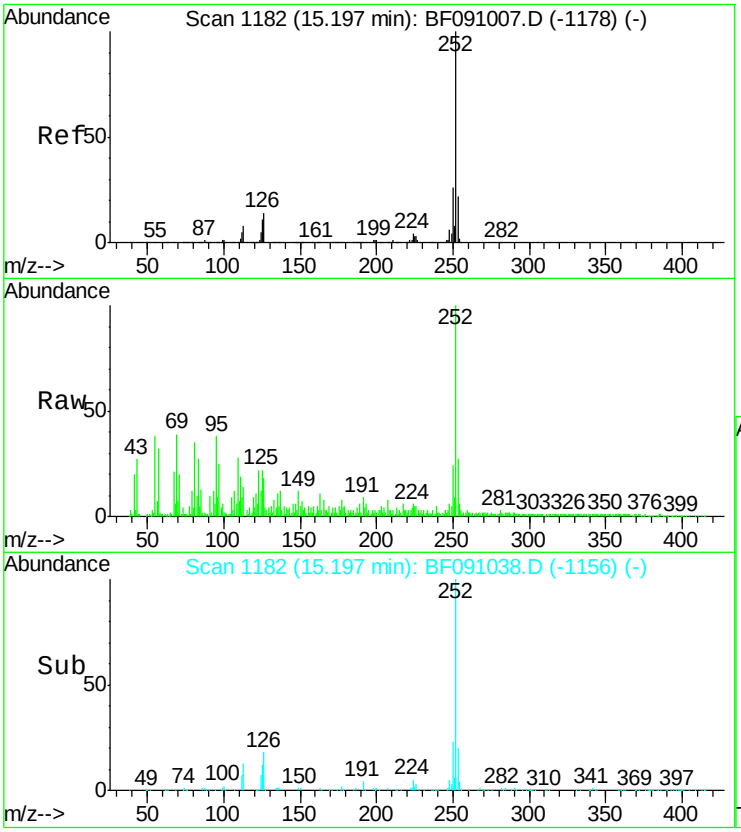


#88
Benzo(k)fluoranthene
Concen: 16.55 ng
RT: 14.87 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:252 Resp: 350865

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.6	28.0
125	19.7	11.2	16.8#



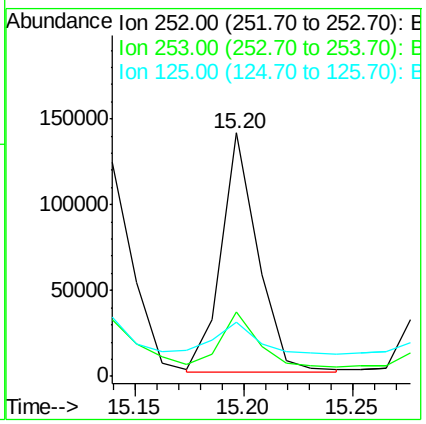


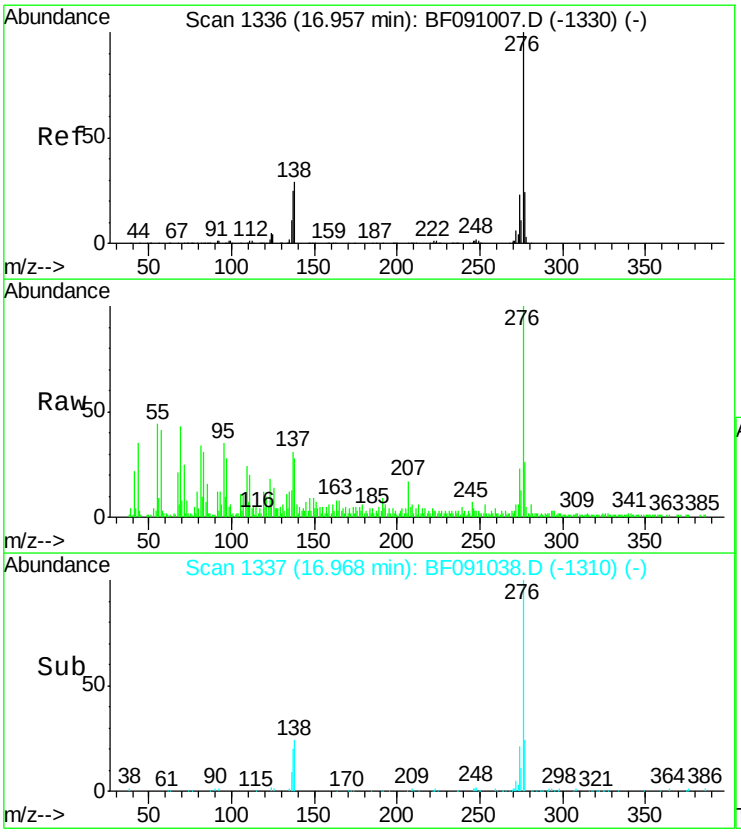
#89
Benzo(a)pyrene
Concen: 7.69 ng
RT: 15.20 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Instrument :
BNA_F
ClientSampleId :
SB-104-0.5-1.0

Tgt Ion:252 Resp: 161812

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.8	26.8
125	22.1	8.6	13.0#





#91
Benzo(g,h,i)perylene
Concen: 5.92 ng
RT: 16.97 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF091038.D
Acq: 4 Nov 2016 23:24

Tgt Ion:276 Resp: 97454

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.2	28.8
138	28.3	23.3	34.9