Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097061.D
Acq On : 26 Jul 2017 7:01
Operator : SJ/JU
Sample : I4370-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-N5-SWSW

Quant Time: Jul 26 07:30:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	117336	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	471827	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	182767	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	251403	20.00	ng	0.00
75) Chrysene-d12	13.63	240	207972	20.00	ng	0.00
86) Perylene-d12	14.97	264	142657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	216332	27.79	ng	0.00
7) Phenol-d6	6.16	99	257916	29.03	ng	-0.01
23) Nitrobenzene-d5	7.06	82	138189	17.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	36332	25.16	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	250933	23.30	ng	-0.01
78) Terphenyl-d14	12.58	244	144278	14.14	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.06	70	20880	3.57	ng	# 87
50) 2,6-Dinitrotoluene	9.53	165	23279	7.91	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	23279	6.88	ng	# 33
70) Phenanthrene	11.02	178	165663	12.30	ng	97
71) Anthracene	11.07	178	32163	2.33	ng	98
74) Fluoranthene	12.20	202	254263	19.27	ng	97
77) Pyrene	12.43	202	252679	14.84	ng	98
80) Benzo(a)anthracene	13.62	228	97506	7.25	ng	97
82) Chrysene	13.64	228	94004	7.15	ng	96
85) Indeno(1,2,3-cd)pyrene	16.20	276	33875	3.01	ng	99
87) Benzo(b)fluoranthene	14.62	252	118772	13.85	ng	99
88) Benzo(k)fluoranthene	14.62	252	118772	14.53	ng	97
89) Benzo(a)pyrene	14.92	252	60578	7.72	ng	96
91) Benzo(g,h,i)perylene	16.56	276	30757	4.56	ng	95

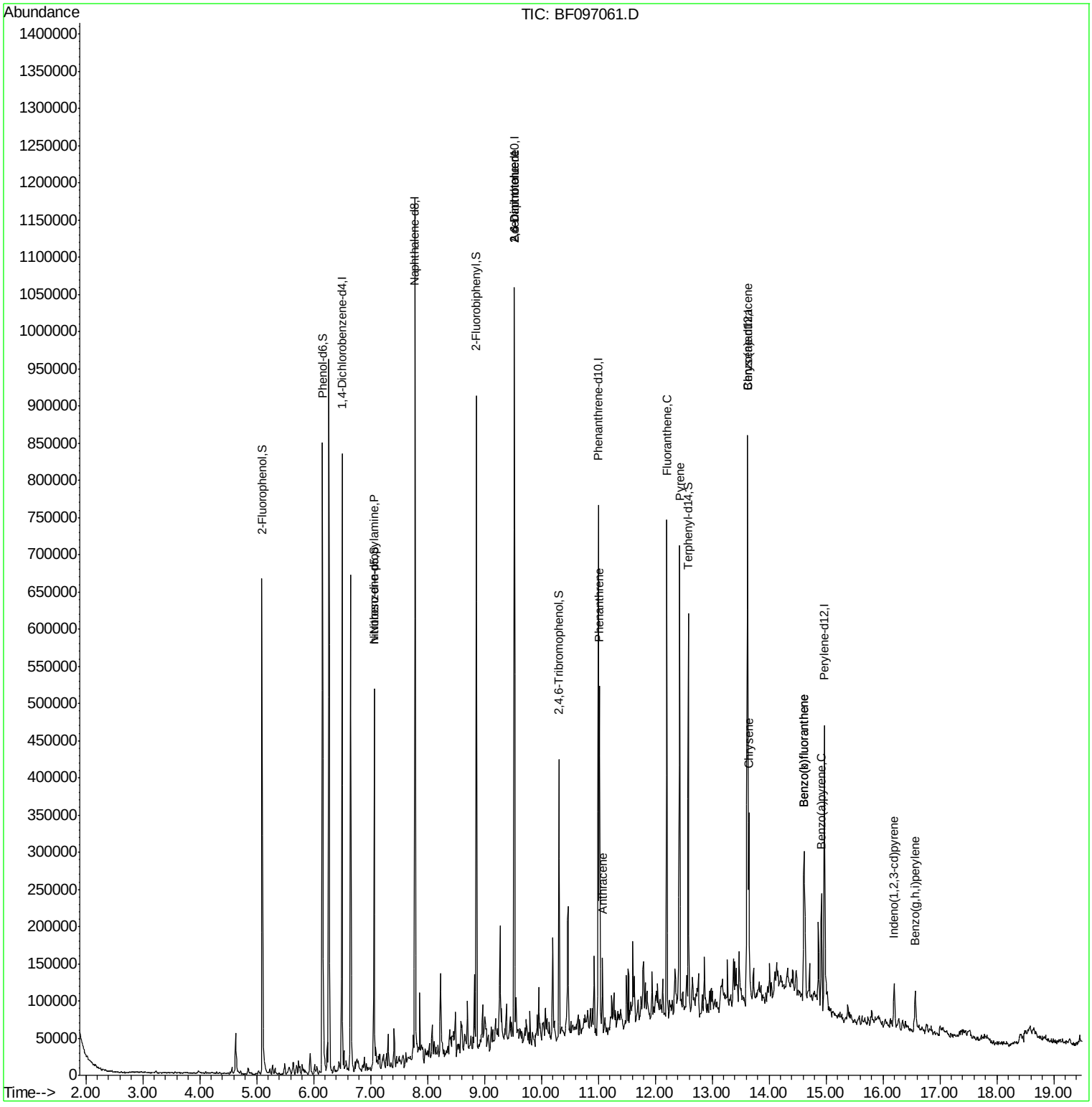
(#) = qualifier out of range (m) = manual integration (+) = signals summed

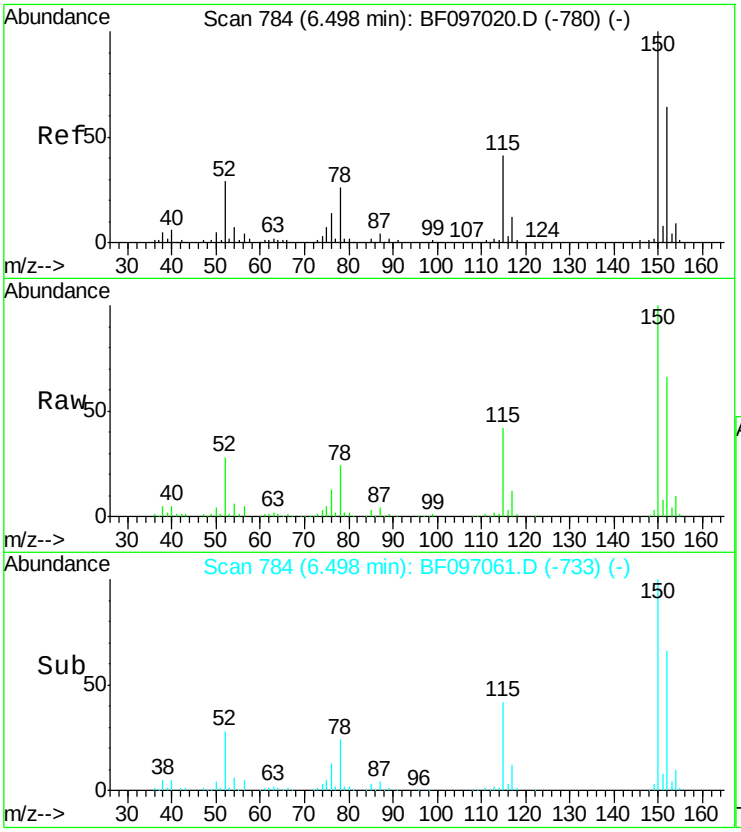
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097061.D
Acq On : 26 Jul 2017 7:01
Operator : SJ/JU
Sample : I4370-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Quant Time: Jul 26 07:30:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



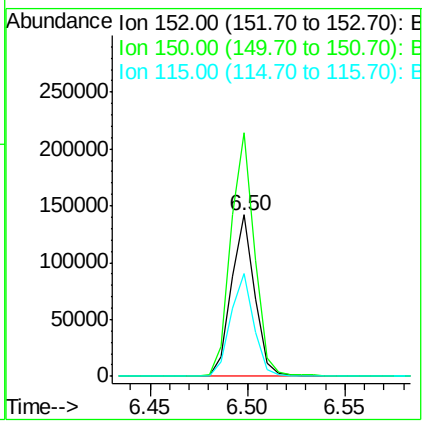


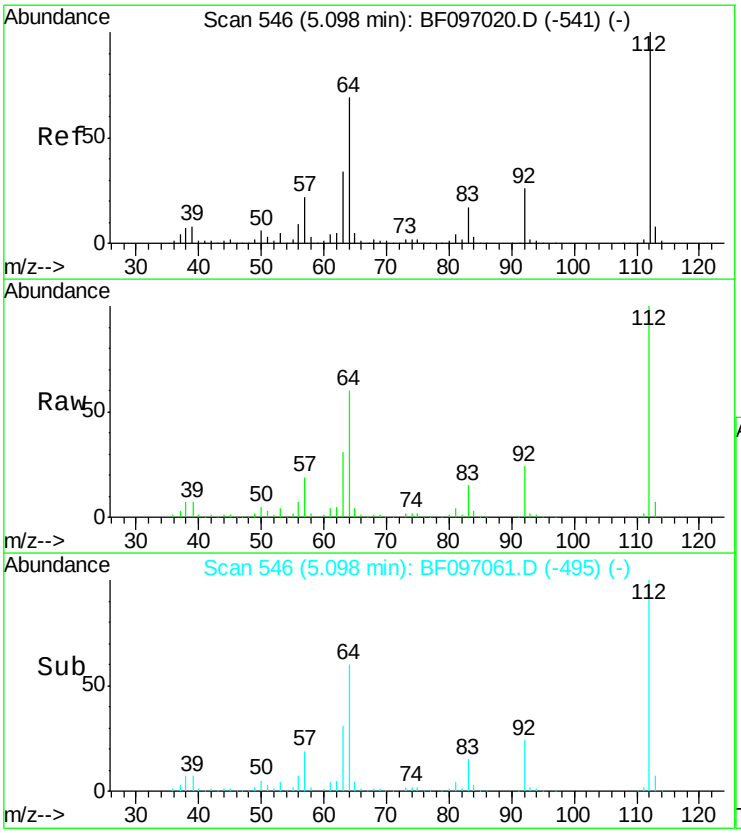
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:152 Resp: 117336

Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.2	189.2
115	63.8	52.2	78.2

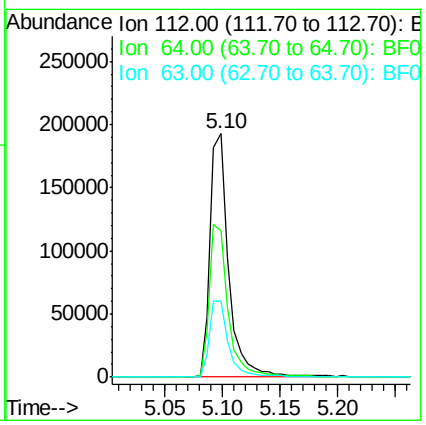


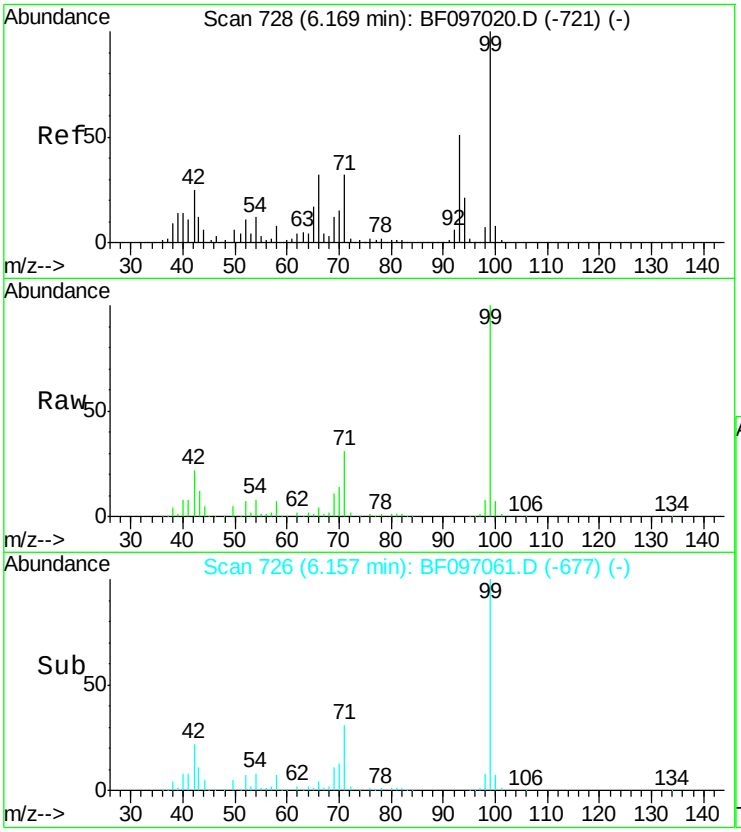


#5
2-Fluorophenol
Concen: 27.79 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:112 Resp: 216332

Ion	Ratio	Lower	Upper
112	100		
64	60.1	46.0	69.0
63	31.5	23.4	35.0



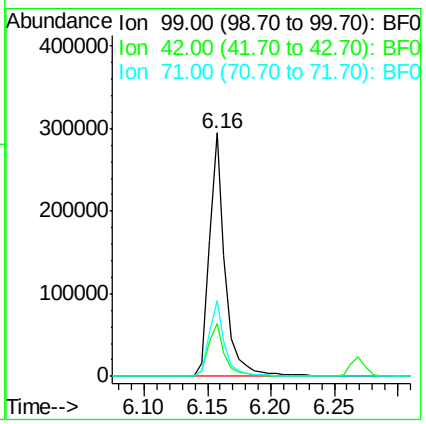


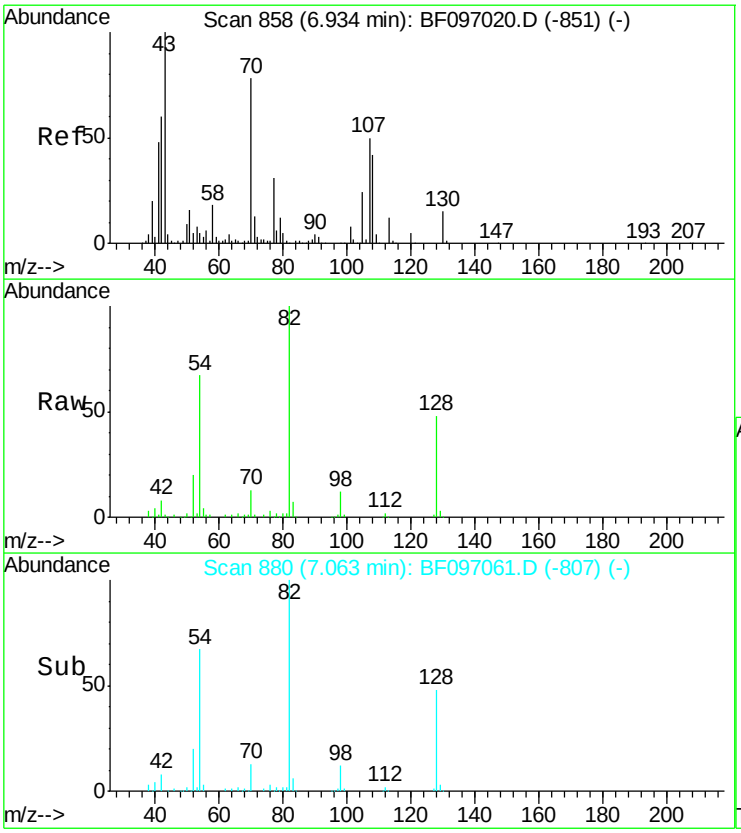
#7
Phenol-d6
Concen: 29.03 ng
RT: 6.16 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion: 99 Resp: 257916

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	31.3	24.5	36.7

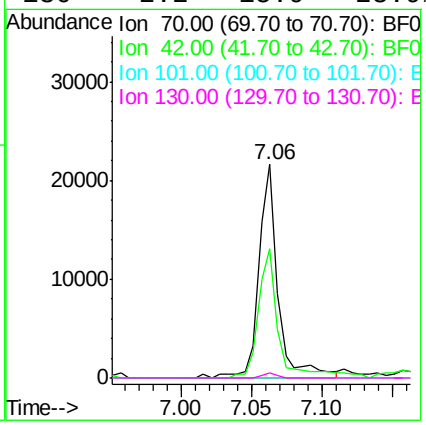


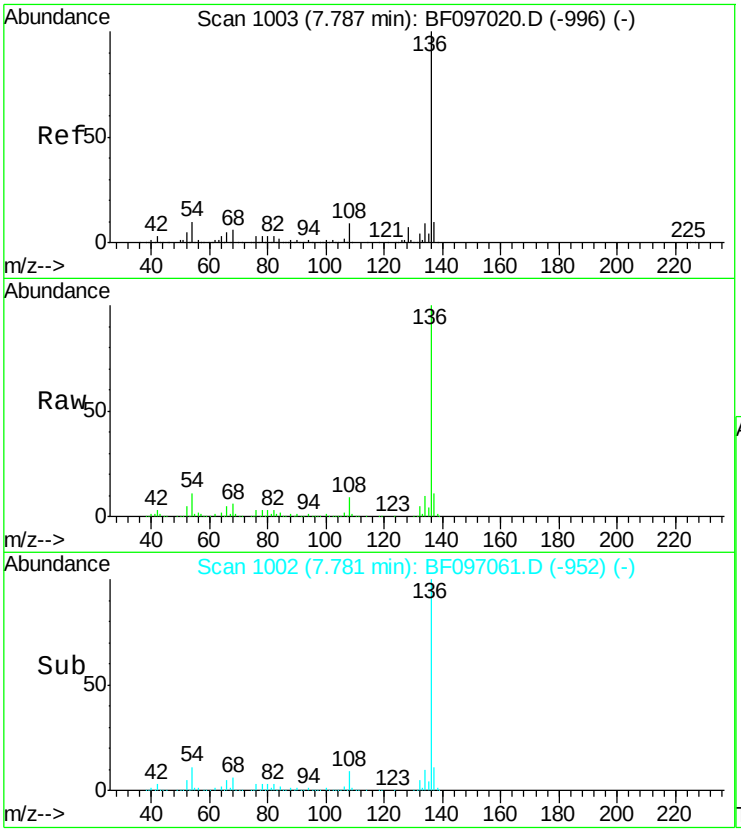


#19
n-Nitroso-di-n-propylamine
Concen: 3.57 ng
RT: 7.06 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion: 70 Resp: 20880

Ion	Ratio	Lower	Upper
70	100		
42	60.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



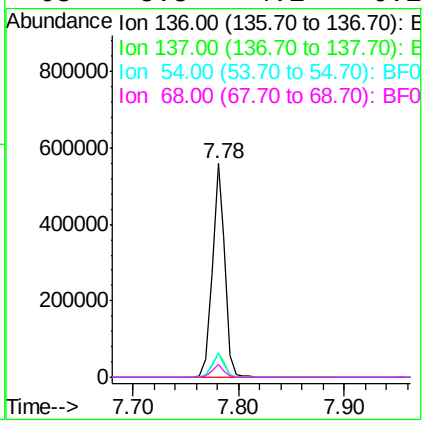


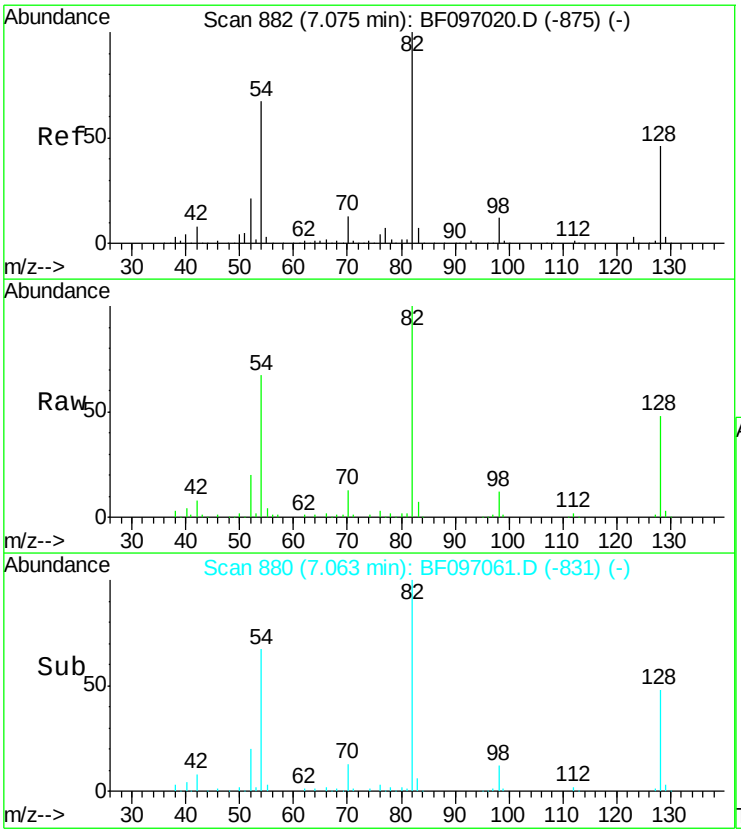
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:136 Resp: 471827

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	4.9	7.3#
68	5.8	4.1	6.1

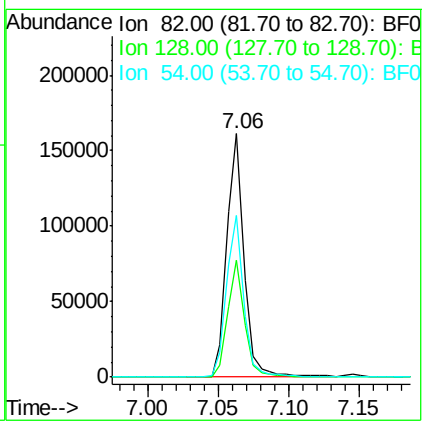


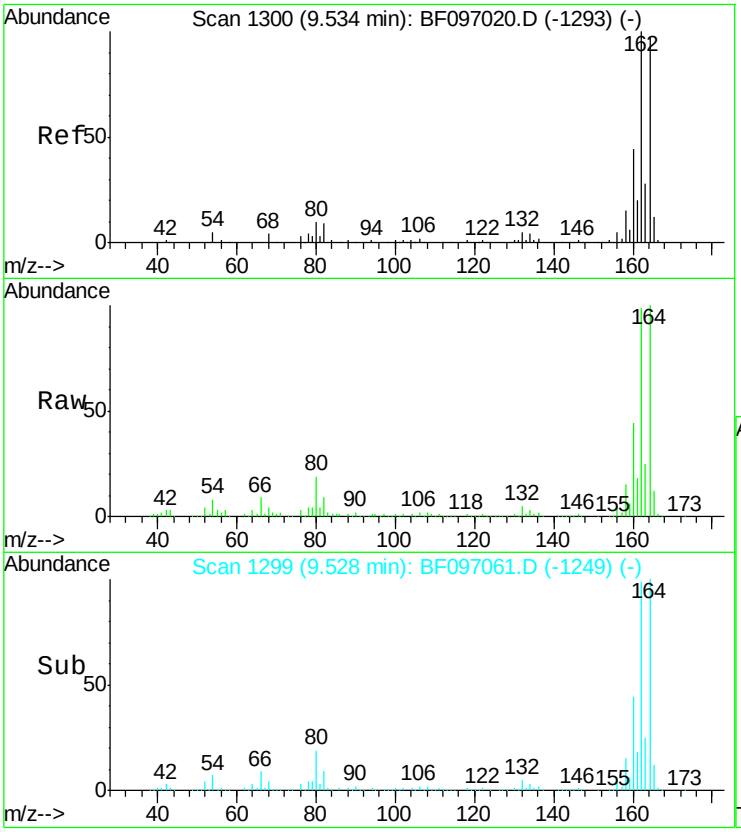


#23
Nitrobenzene-d5
Concen: 17.18 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion: 82 Resp: 138189

Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	66.7	42.2	63.2#



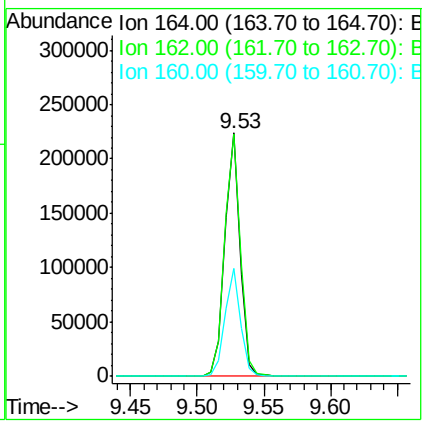


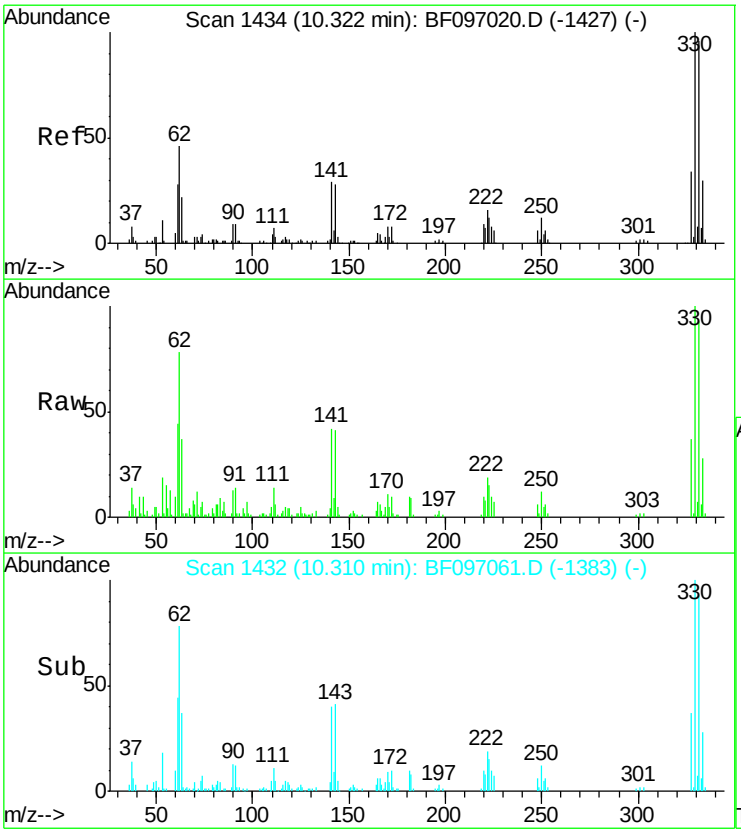
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:164 Resp: 182767

Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.6	123.8
160	44.2	36.2	54.2

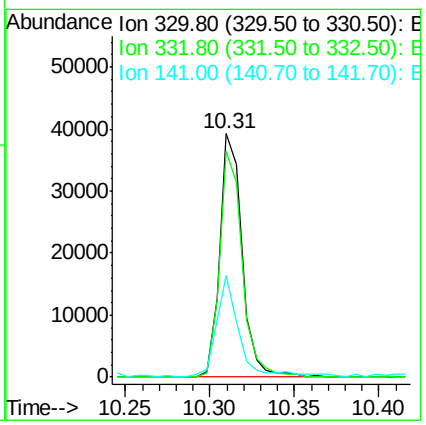


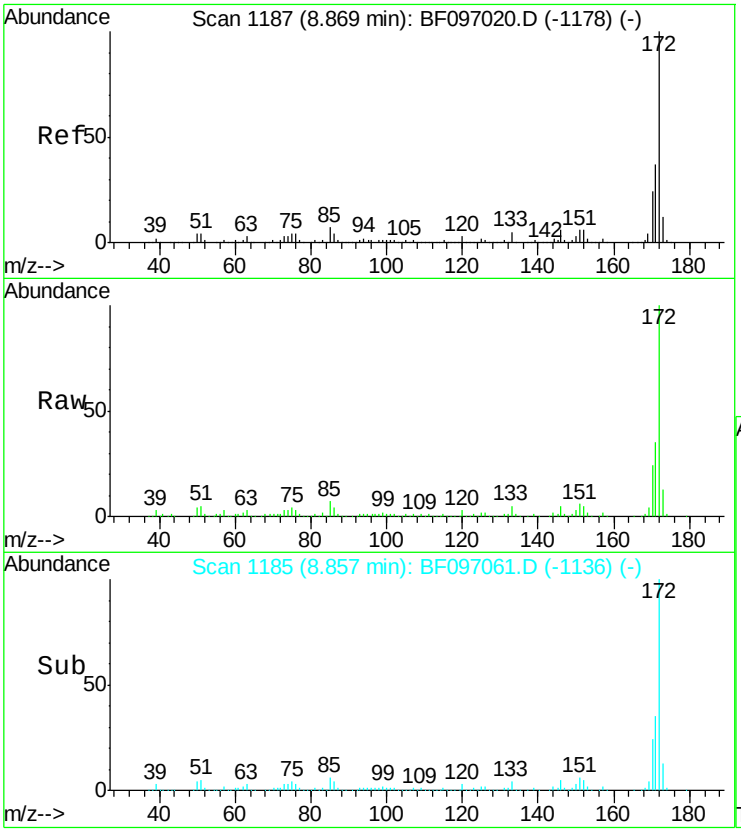


#41
2,4,6-Tribromophenol
Concen: 25.16 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:330 Resp: 36332

Ion	Ratio	Lower	Upper
330	100		
332	93.4	76.6	115.0
141	43.0	31.4	47.2



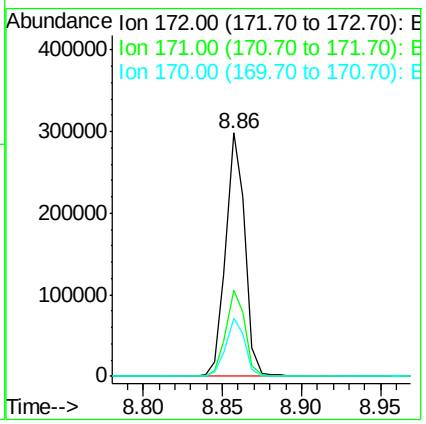


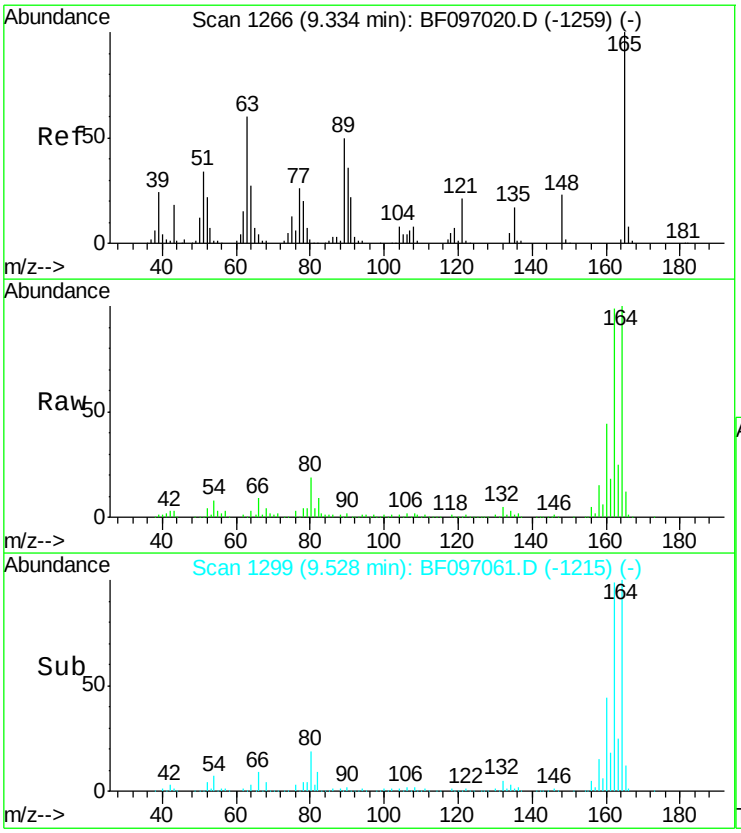
#44
2-Fluorobiphenyl
Concen: 23.30 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:172 Resp: 250933

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.8	19.8	29.8

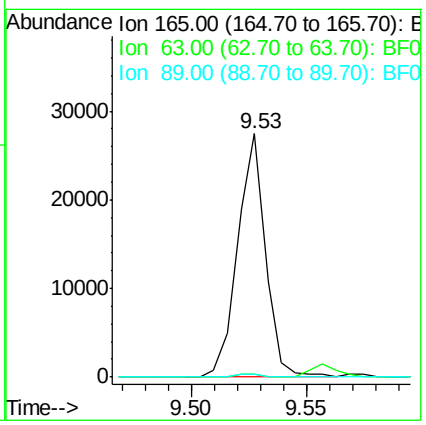


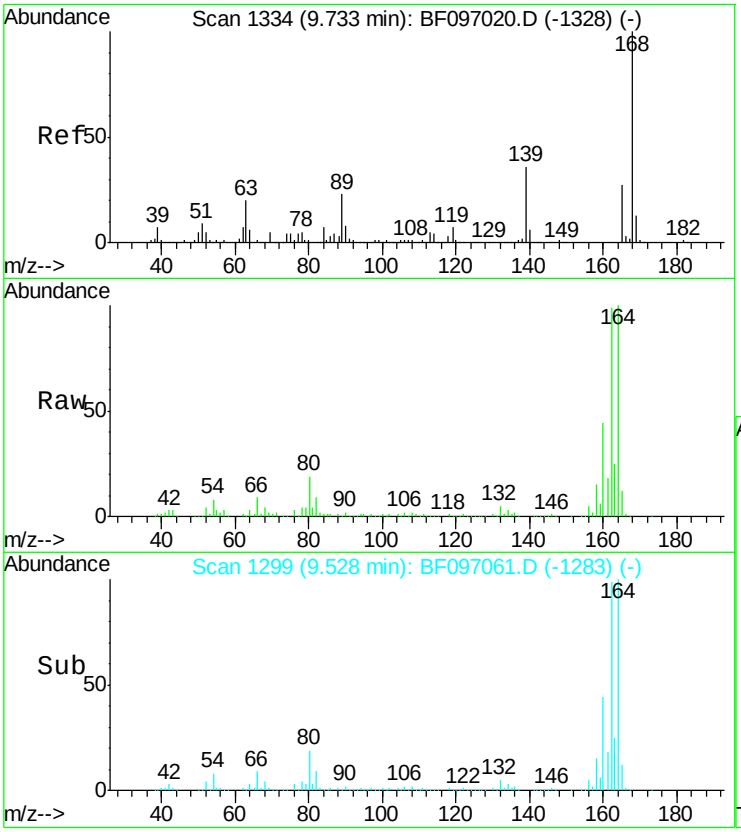


#50
2,6-Dinitrotoluene
Concen: 7.91 ng
RT: 9.53 min Scan# 1299
Delta R.T. 0.19 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:165 Resp: 23279

Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.3	37.1	55.7#



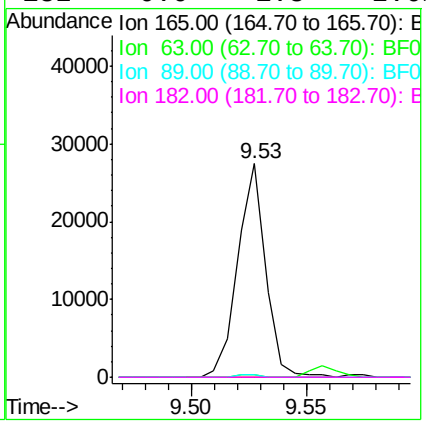


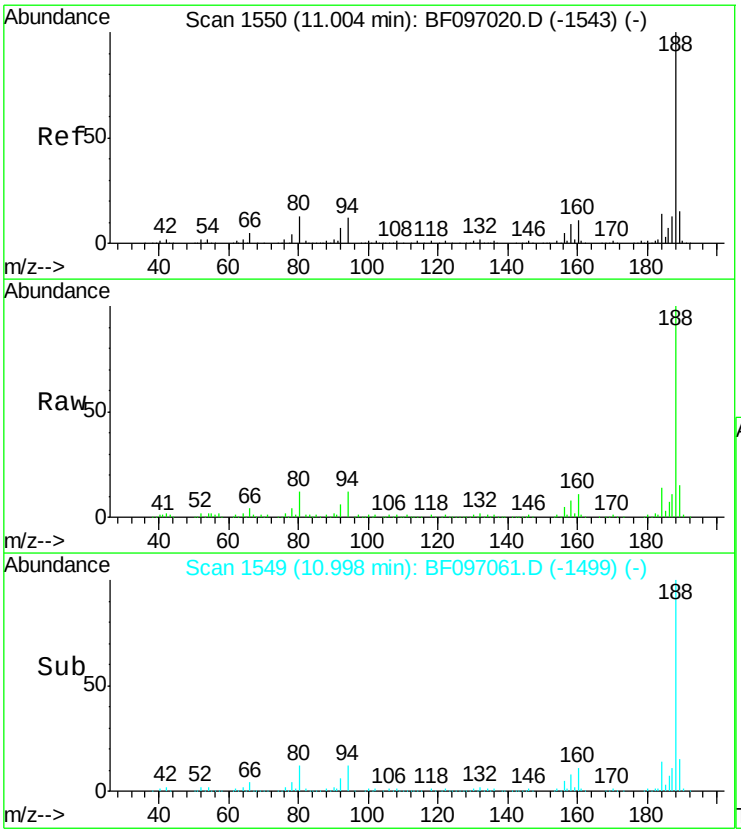
#56
2,4-Dinitrotoluene
Concen: 6.88 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:165 Resp: 23279

Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#

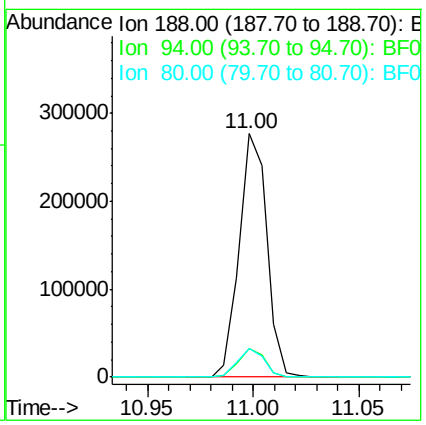


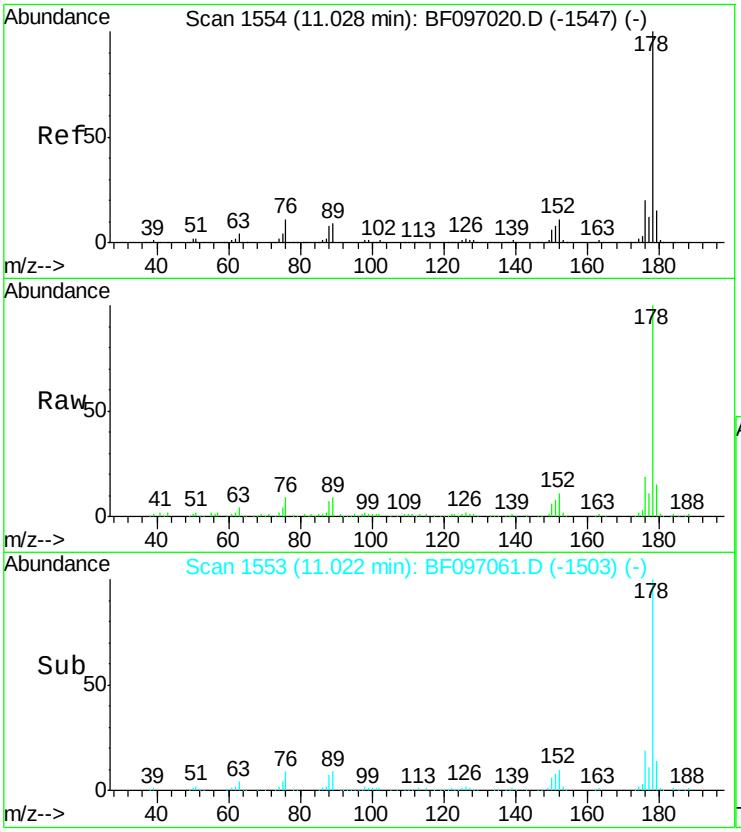


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:188 Resp: 251403

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	11.9	10.2	15.2



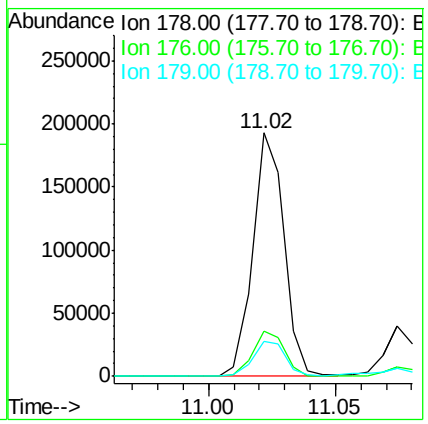


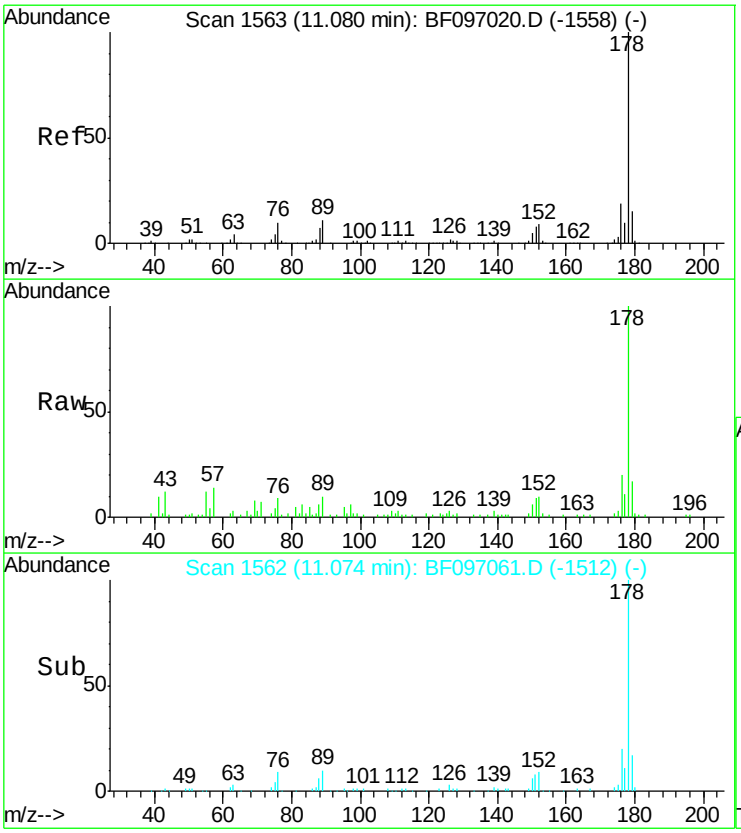
#70
Phenanthrene
Concen: 12.30 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:178 Resp: 165663

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	14.6	12.6	19.0

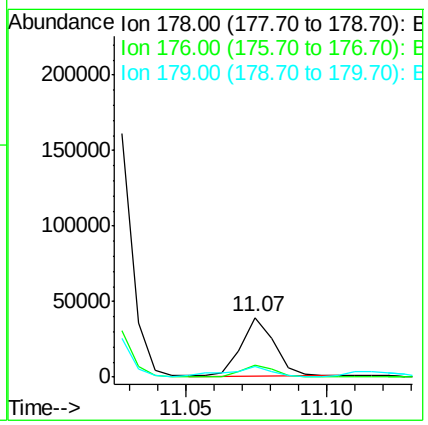


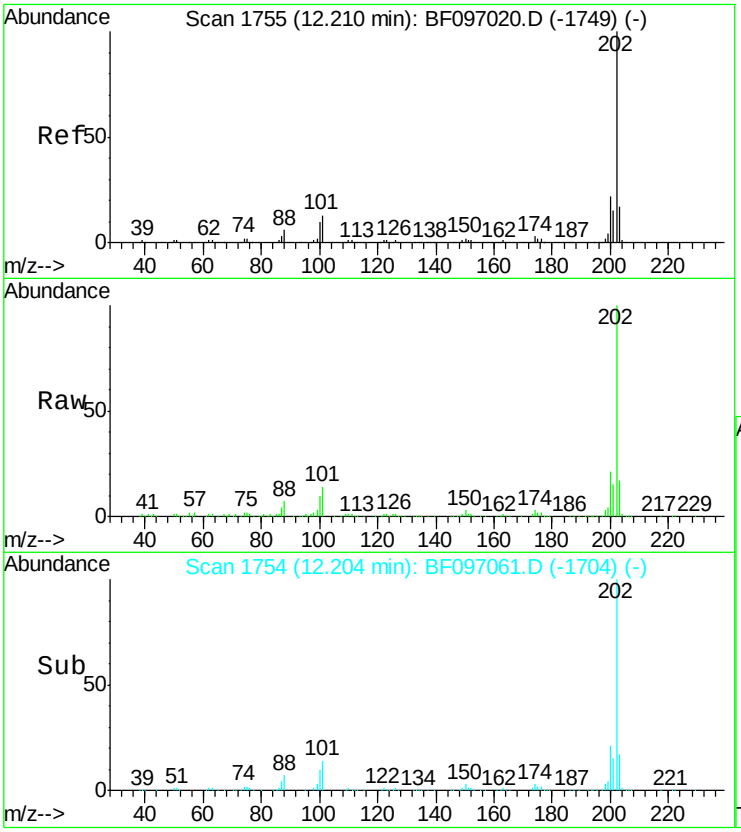


#71
Anthracene
Concen: 2.33 ng
RT: 11.07 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:178 Resp: 32163

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	17.5	12.7	19.1



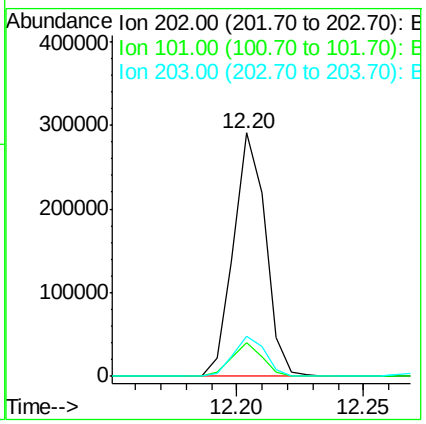


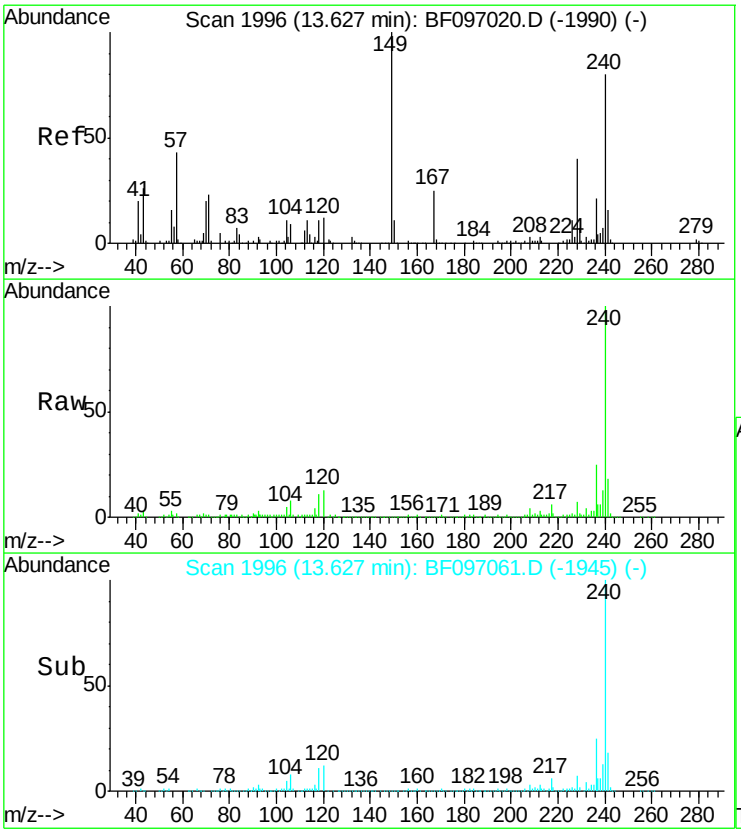
#74
Fluoranthene
Concen: 19.27 ng
RT: 12.20 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:202 Resp: 254263

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	16.5	0.0	38.1

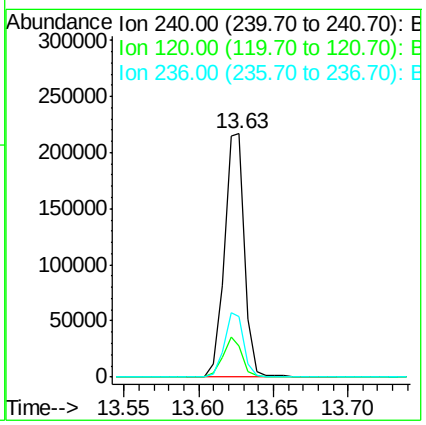


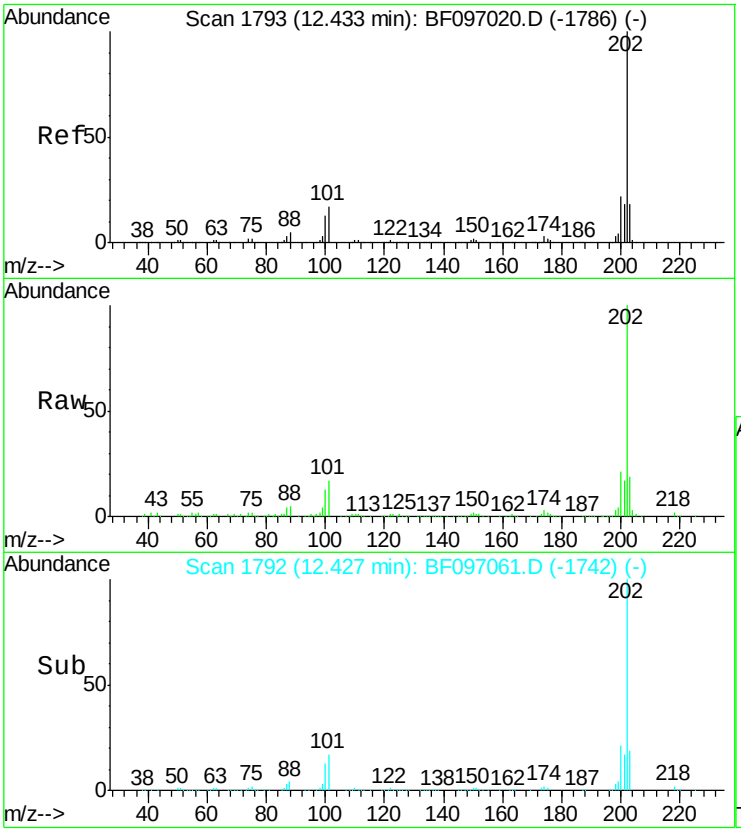


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:240 Resp: 207972

Ion	Ratio	Lower	Upper
240	100		
120	12.7	5.8	8.8#
236	25.1	20.5	30.7



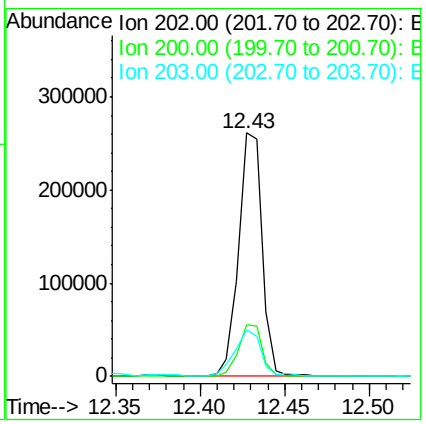


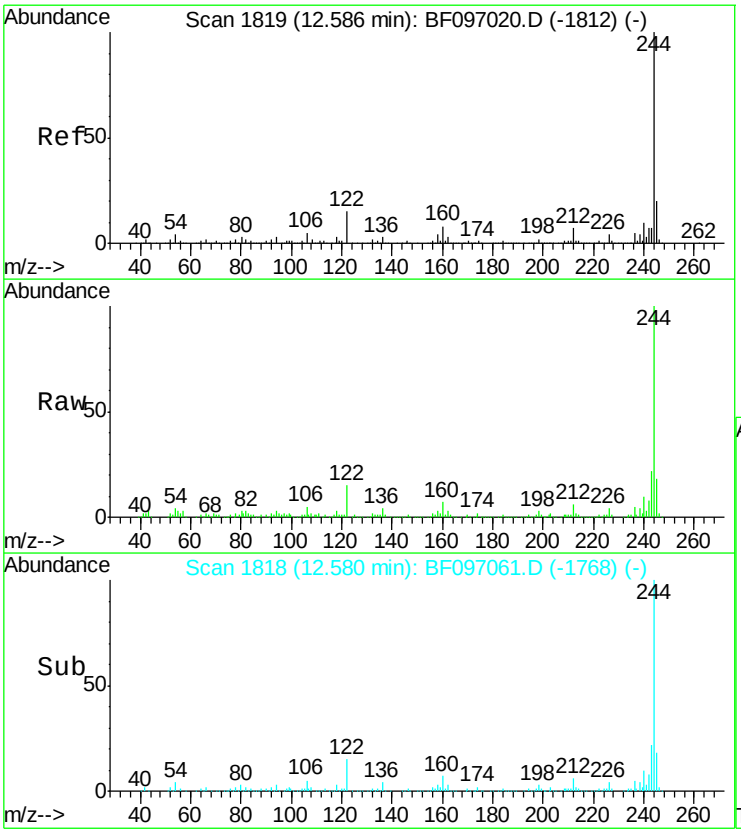
#77
Pyrene
Concen: 14.84 ng
RT: 12.43 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:202 Resp: 252679

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.2	14.4	21.6

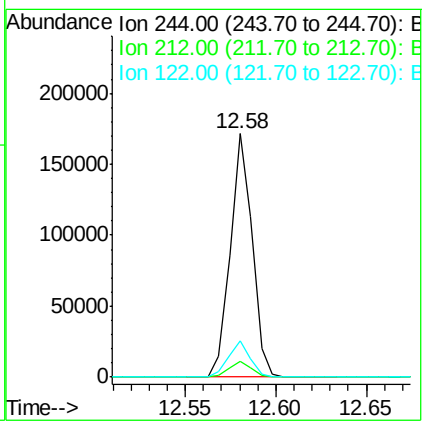


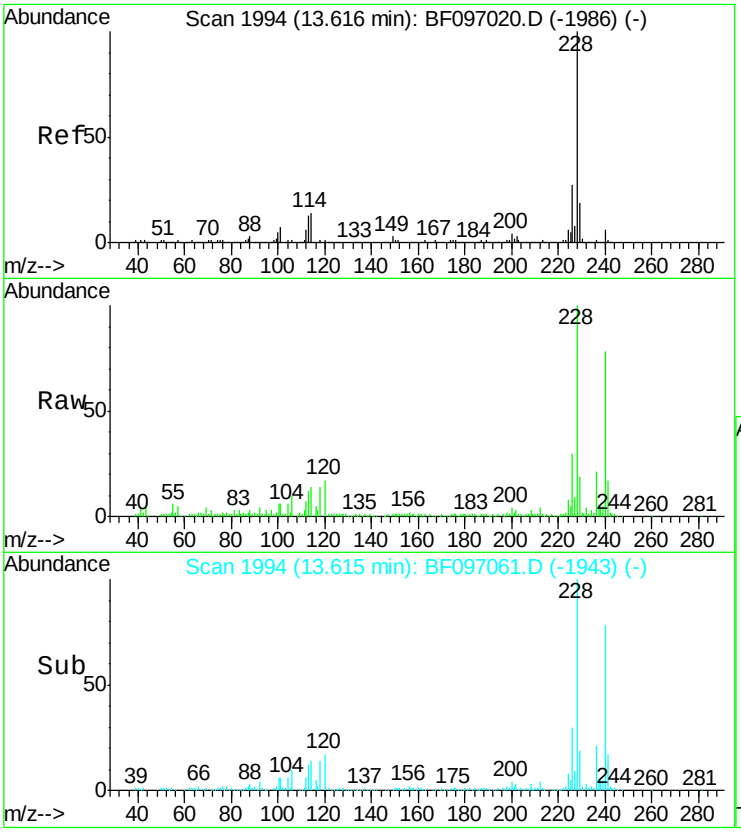


#78
Terphenyl-d14
Concen: 14.14 ng
RT: 12.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:244 Resp: 144278

Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	15.1	10.3	15.5



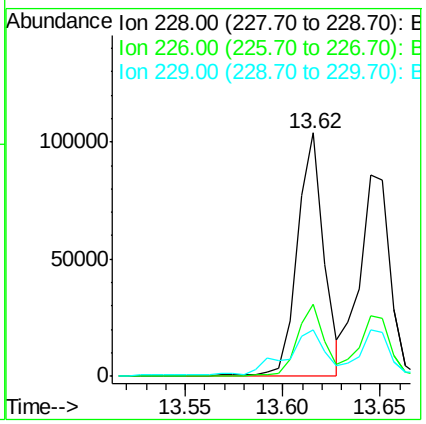


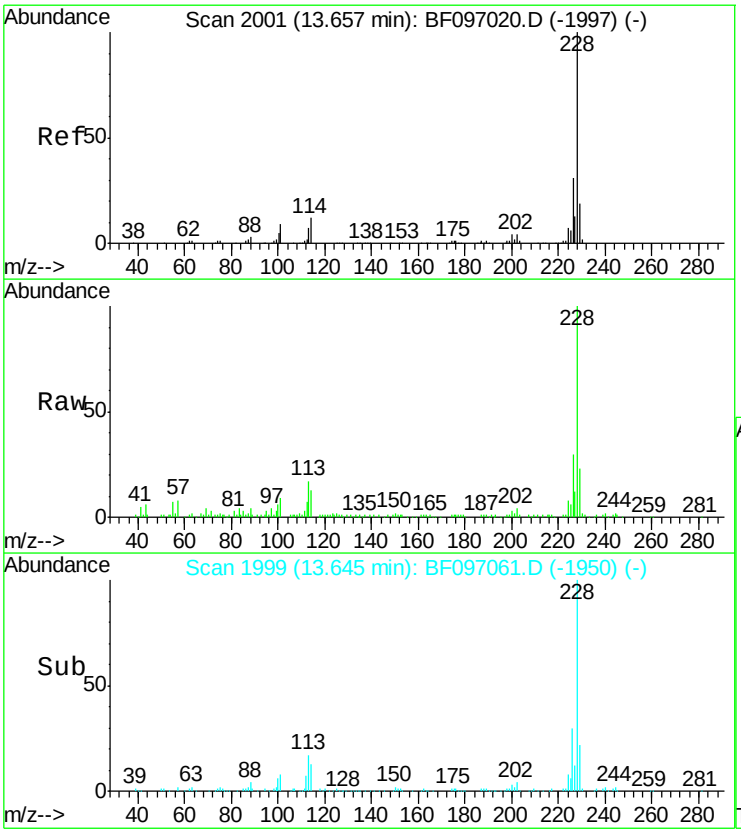
#80
Benzo(a)anthracene
Concen: 7.25 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:228 Resp: 97506

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	19.2	16.3	24.5

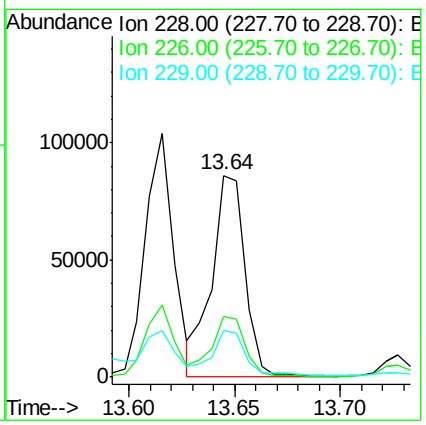


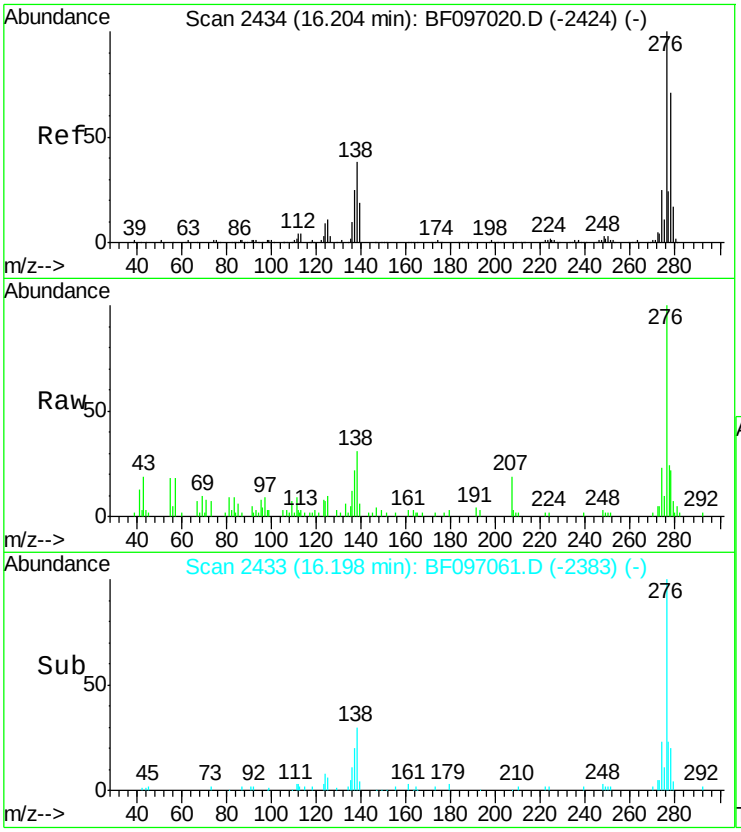


#82
Chrysene
Concen: 7.15 ng
RT: 13.64 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:228 Resp: 94004

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	23.0	15.8	23.6



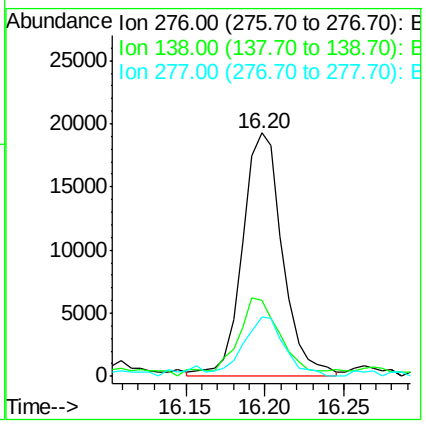


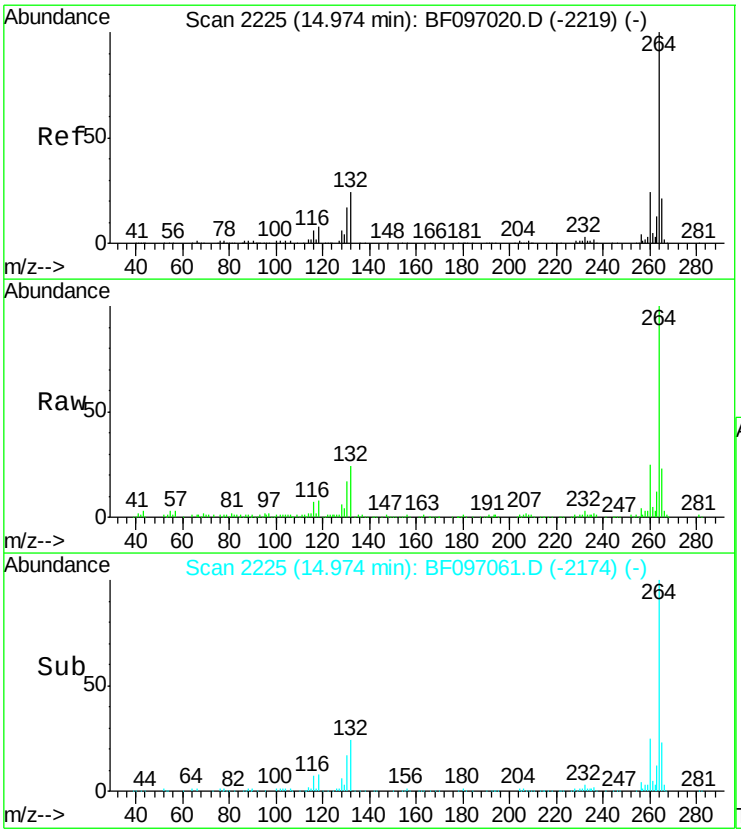
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.01 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:276 Resp: 33875

Ion	Ratio	Lower	Upper
276	100		
138	35.7	27.8	41.6
277	25.2	20.2	30.4

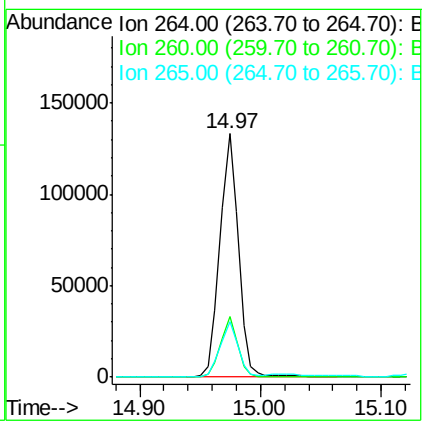


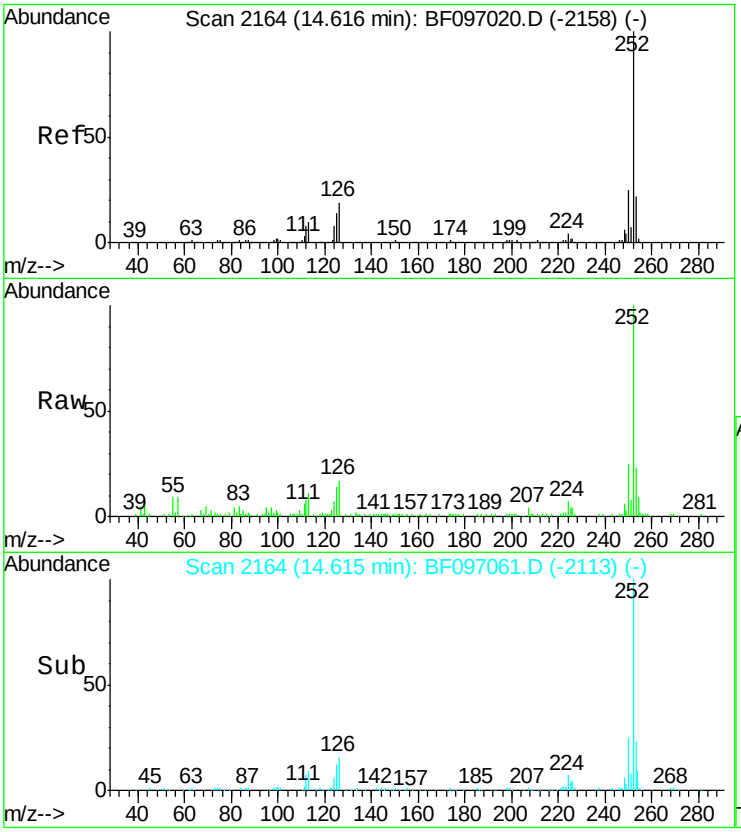


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:264 Resp: 142657

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.6	17.2	25.8



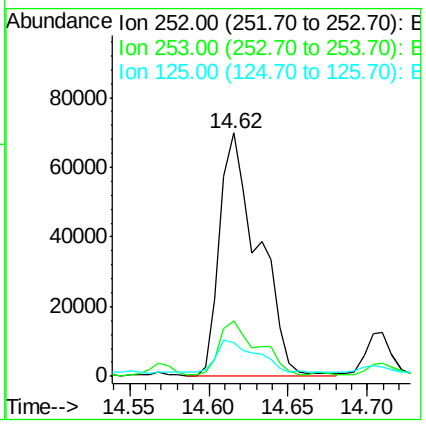


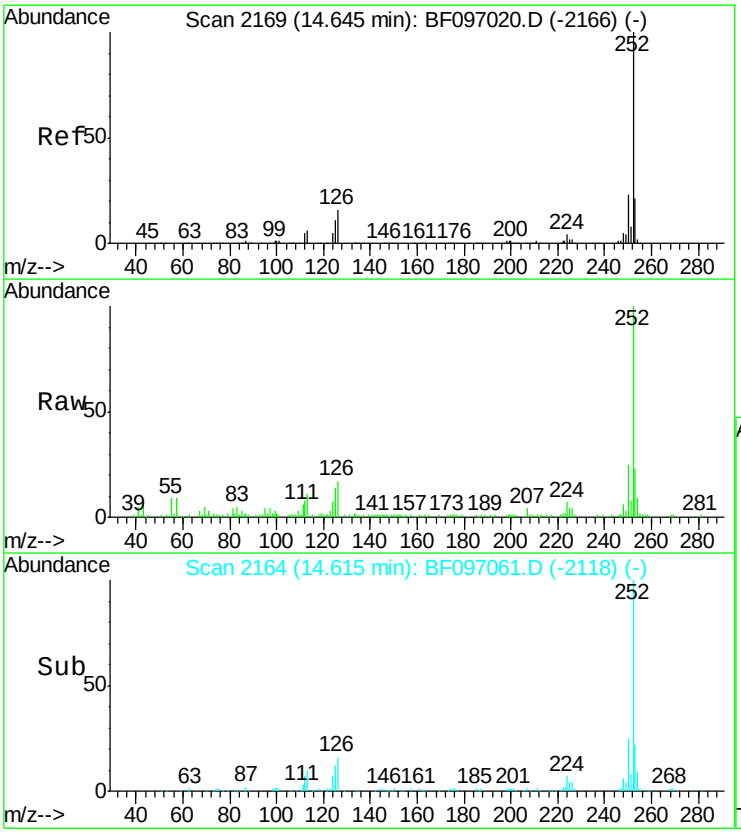
#87
Benzo(b)fluoranthene
Concen: 13.85 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:252 Resp: 118772

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.7	9.8	14.8

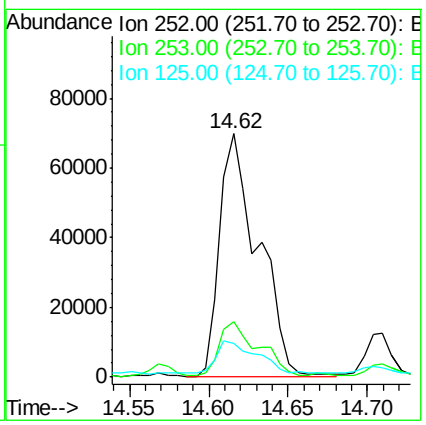


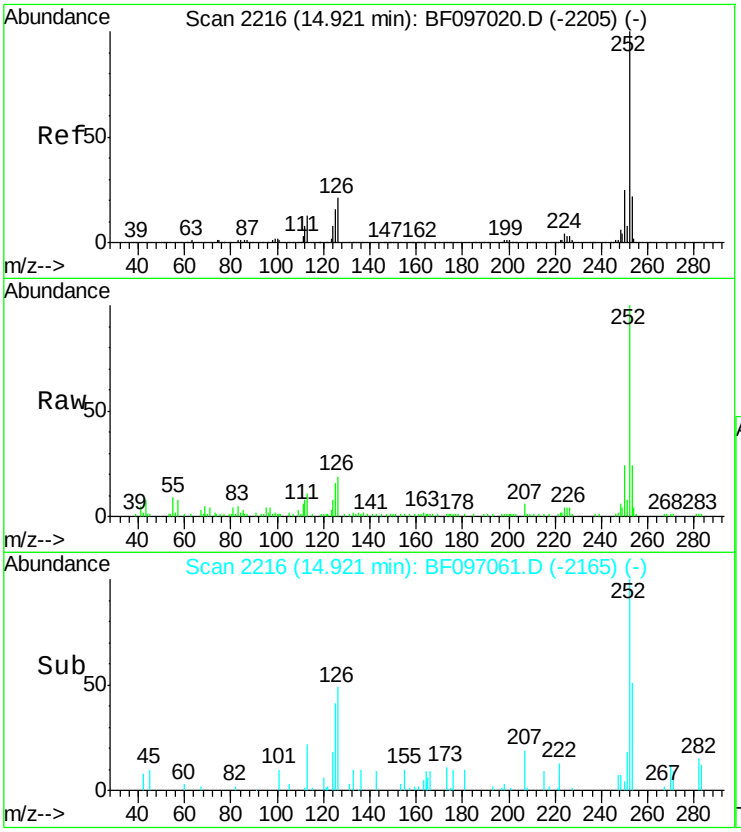


#88
Benzo(k)fluoranthene
Concen: 14.53 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.03 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:252 Resp: 118772

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	13.7	13.1	19.7



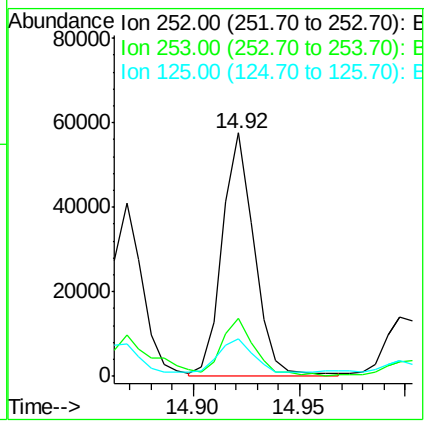


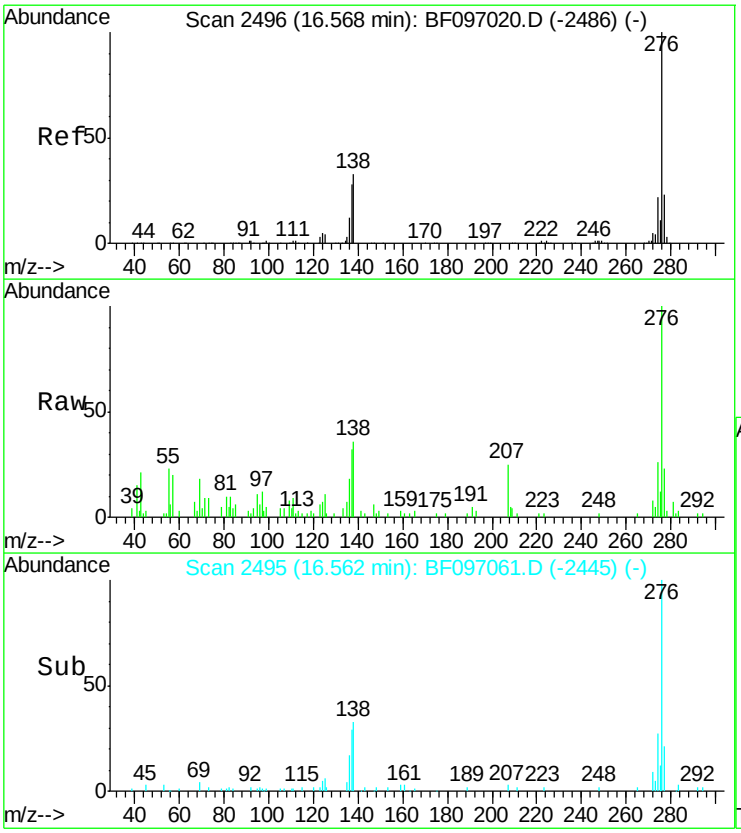
#89
Benzo(a)pyrene
Concen: 7.72 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tgt Ion:252 Resp: 60578

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	15.5	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 4.56 ng
RT: 16.56 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion:276 Resp: 30757

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	36.4	25.4	38.0