Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097710.D
Acq On : 16 Aug 2017 00:16
Operator : SJ/JU
Sample : I4768-02 50X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAMILTON-PL-WATER-60

Quant Time: Aug 16 05:28:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	130157	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	505137	20.00	ng		0.00
38) Acenaphthene-d10	9.82	164	212494	20.00	ng		0.00
63) Phenanthrene-d10	11.30	188	332288	20.00	ng		0.00
75) Chrysene-d12	13.93	240	262209	20.00	ng		0.00
86) Perylene-d12	15.37	264	241721	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	1404	0.16	ng		-0.01
7) Phenol-d6	6.40	99	1449	0.12	ng		-0.01
23) Nitrobenzene-d5	7.34	82	2930	0.32	ng		-0.01
41) 2,4,6-Tribromophenol	10.60	330	502	0.27	ng		0.00
44) 2-Fluorobiphenyl	9.14	172	6568	0.45	ng		0.00
78) Terphenyl-d14	12.89	244	4039	0.32	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.32	178	41878	2.365	ng		97
74) Fluoranthene	12.51	202	85081	4.604	ng		94
77) Pyrene	12.74	202	57688	2.690	ng	#	89

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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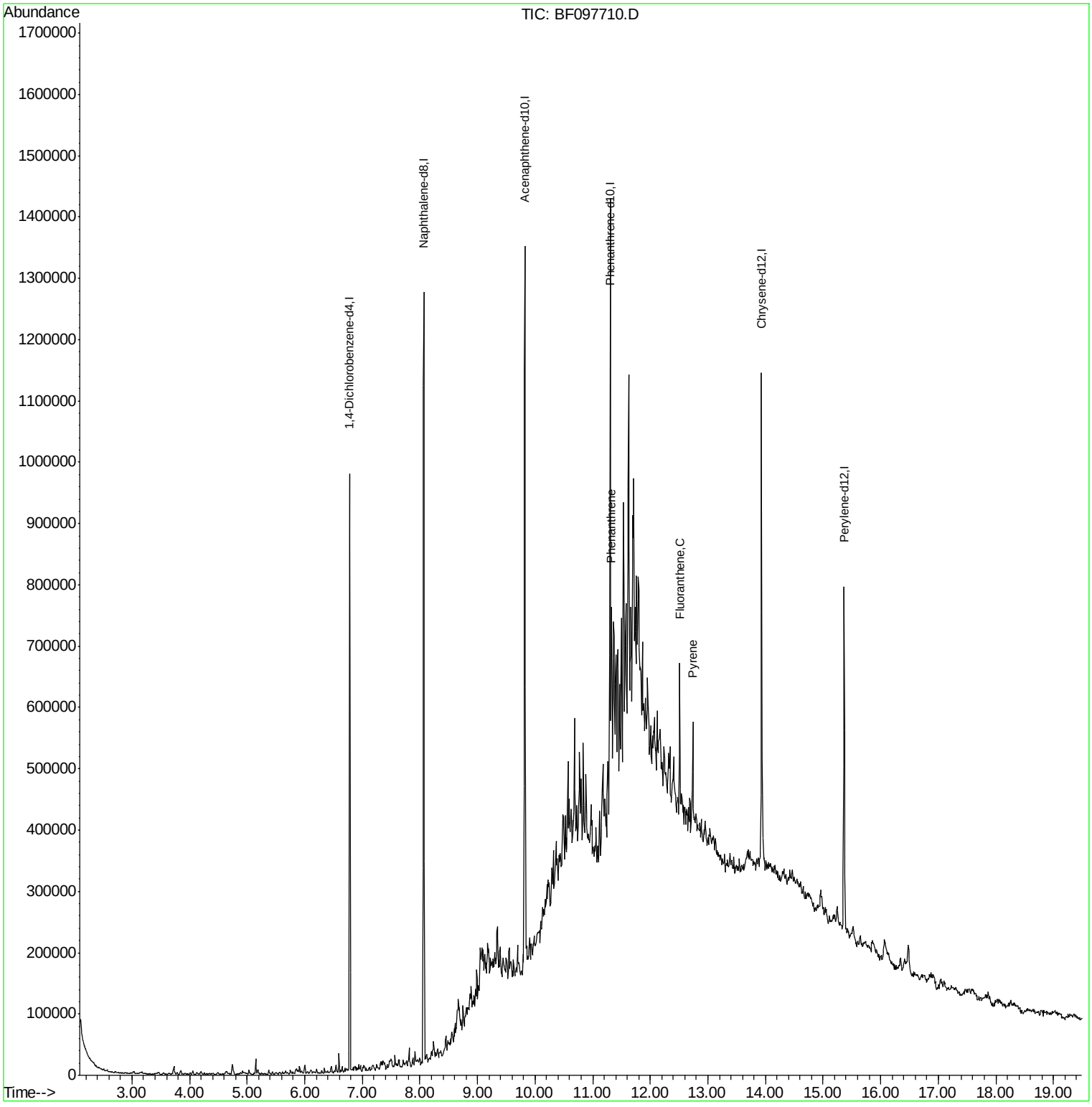
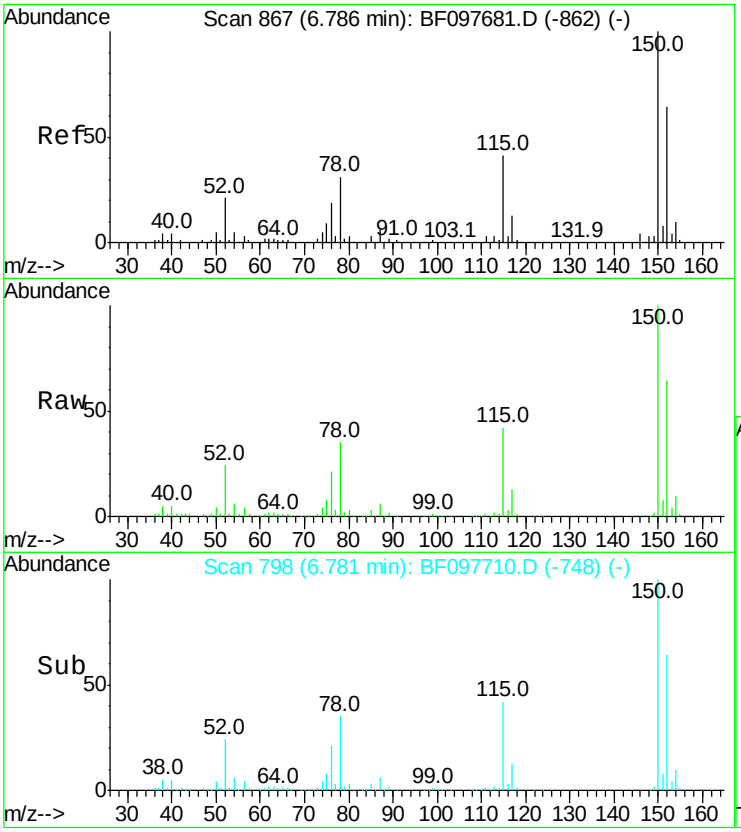


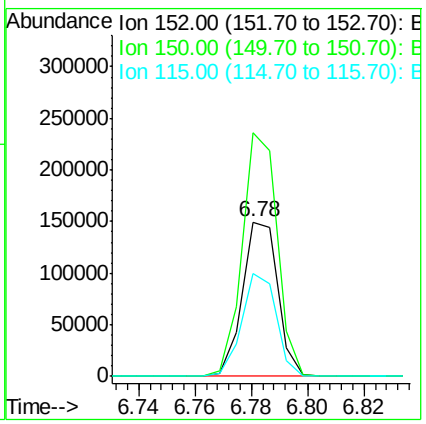


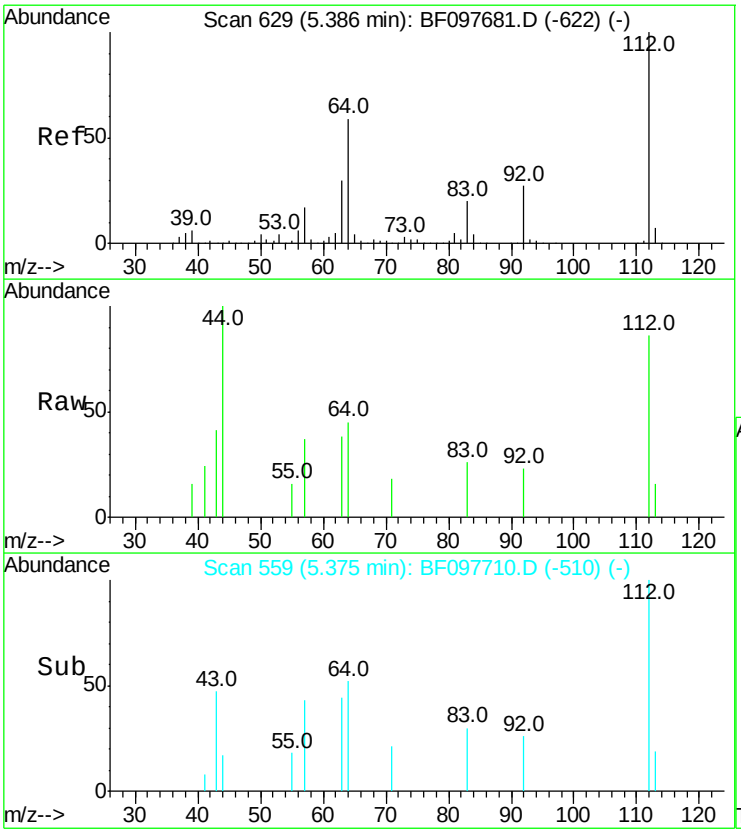
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tgt Ion:152 Resp: 130157

Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	66.8	52.2	78.2

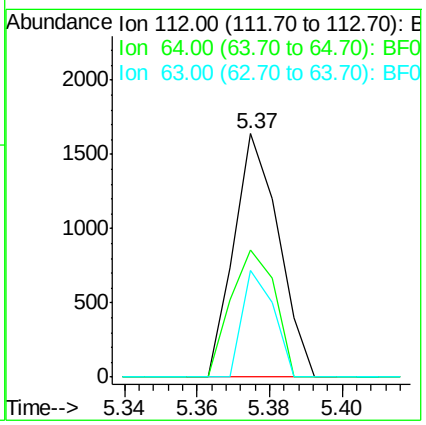


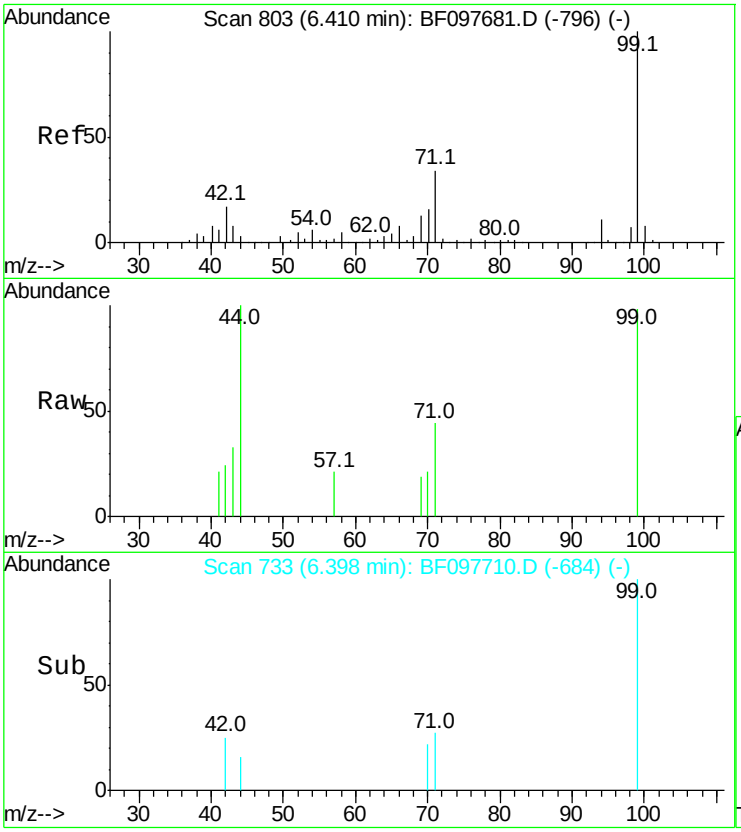


#5
2-Fluorophenol
Concen: 0.164 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:112 Resp: 1404

Ion	Ratio	Lower	Upper
112	100		
64	52.1	46.0	69.0
63	43.6	23.4	35.0#



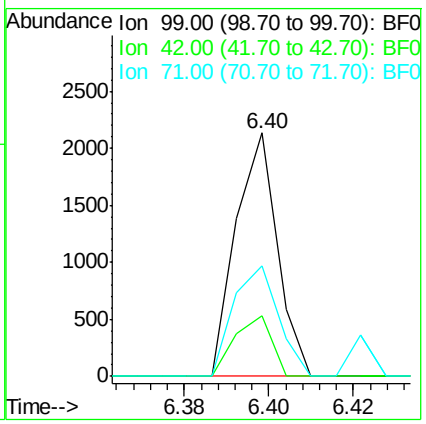


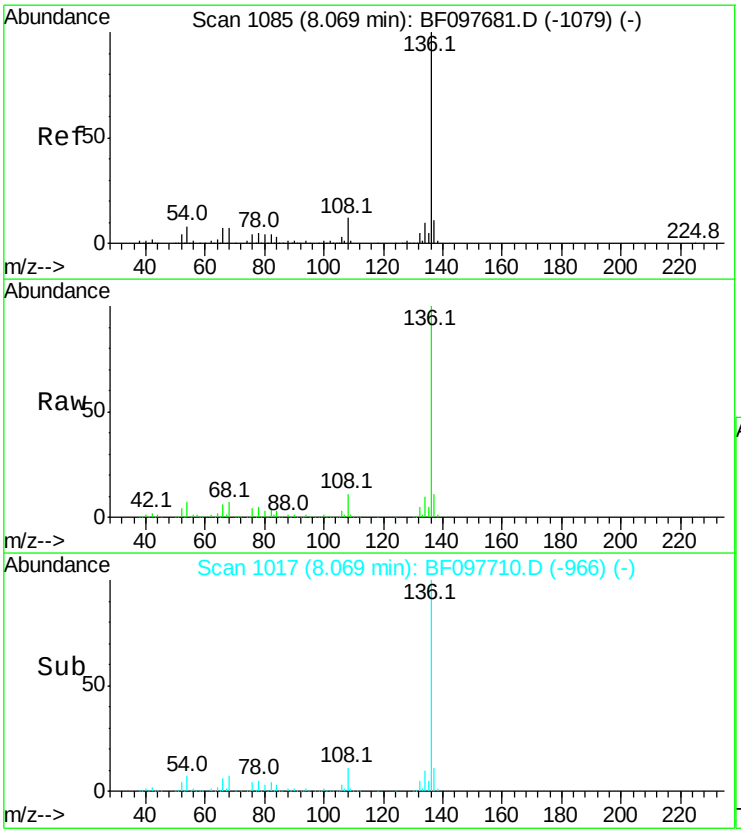
#7
Phenol-d6
Concen: 0.125 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tgt Ion: 99 Resp: 1449

Ion	Ratio	Lower	Upper
99	100		
42	24.8	13.5	20.3#
71	45.2	24.5	36.7#

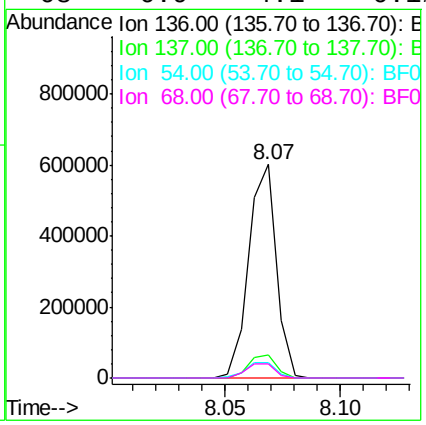


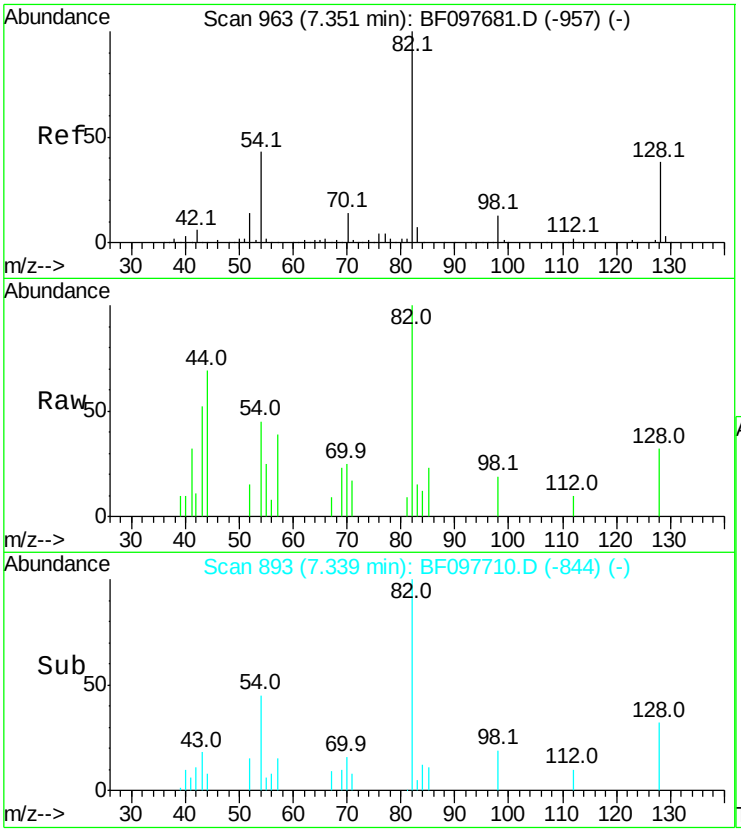


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:136 Resp: 505137

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.1	4.9	7.3
68	6.9	4.1	6.1#

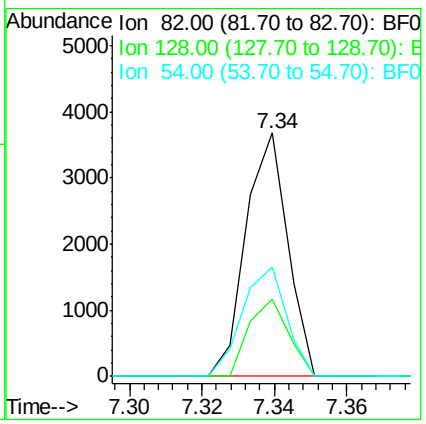




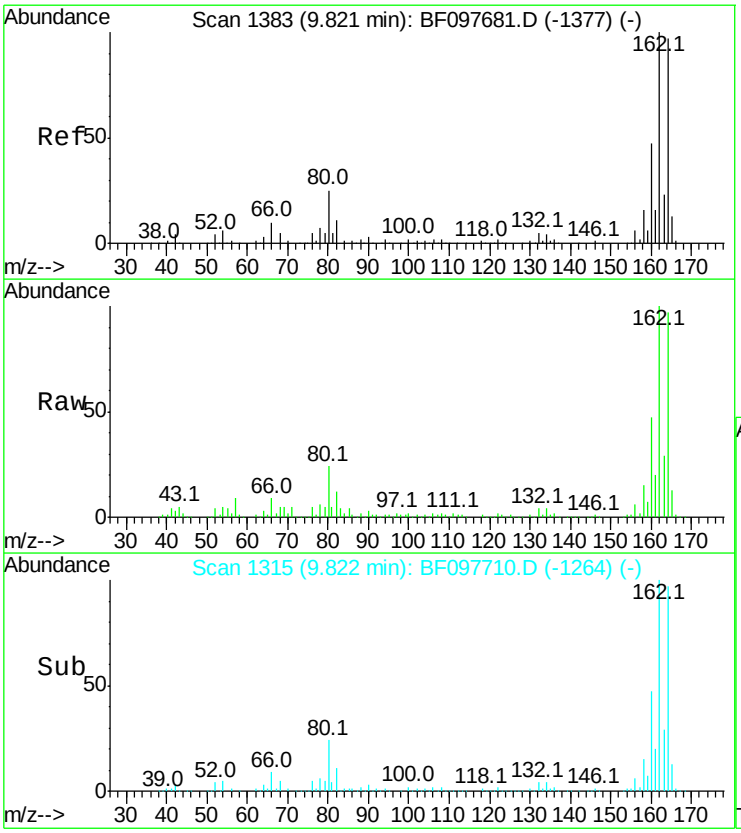
#23
Nitrobenzene-d5
Concen: 0.315 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion: 82 Resp: 2930

Ion	Ratio	Lower	Upper
82	100		
128	31.8	34.0	51.0#
54	45.0	42.2	63.2



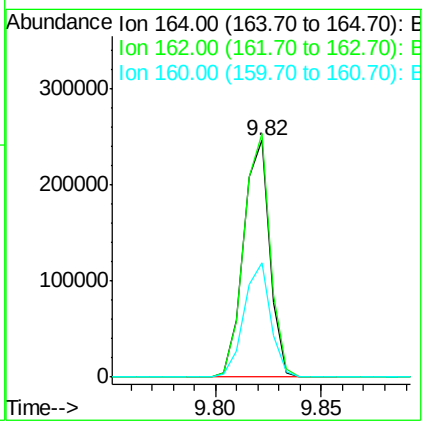
Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

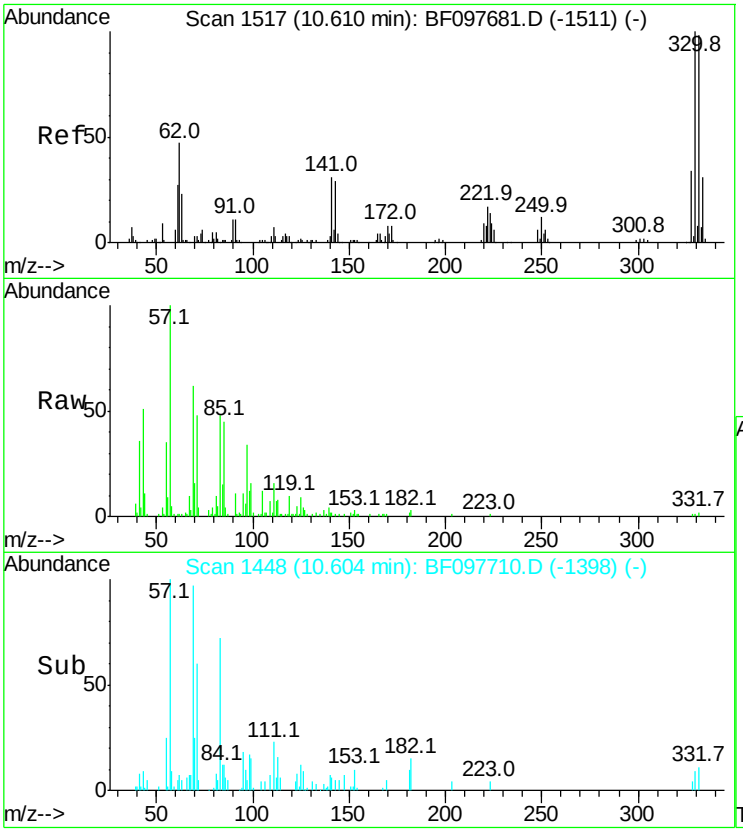


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:164 Resp: 212494

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.6	123.8
160	48.2	36.2	54.2



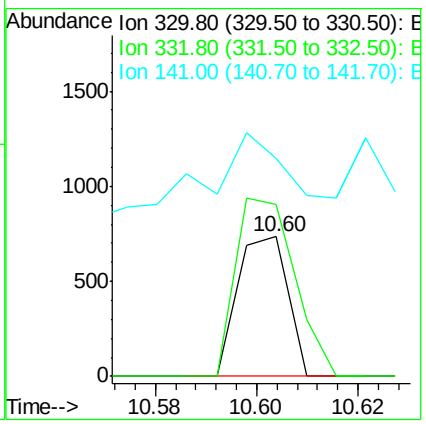


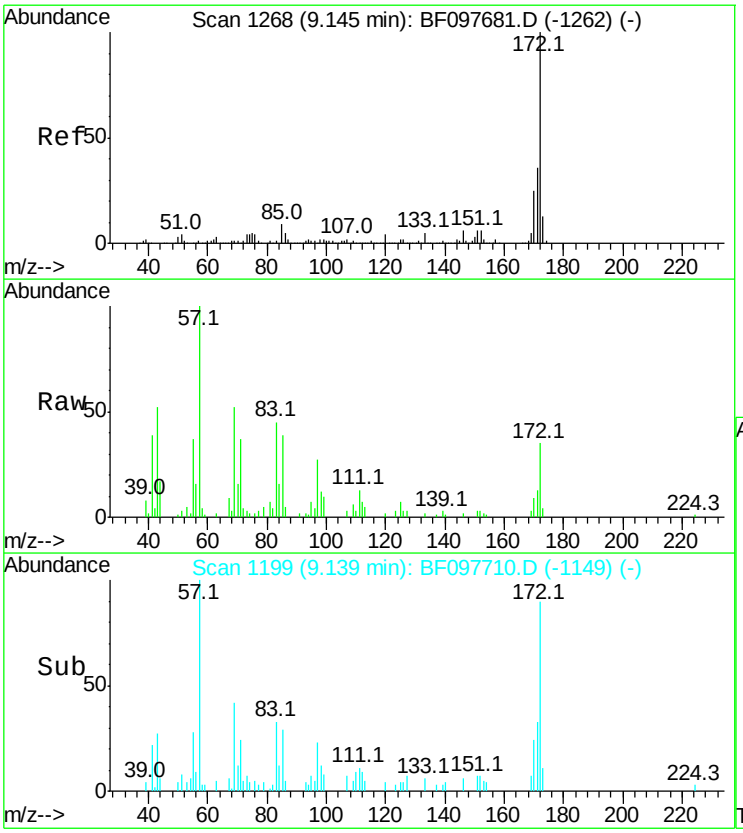
#41
2,4,6-Tribromophenol
Concen: 0.272 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tgt Ion:330 Resp: 502

Ion	Ratio	Lower	Upper
330	100		
332	151.0	76.6	115.0#
141	70.3	31.4	47.2#

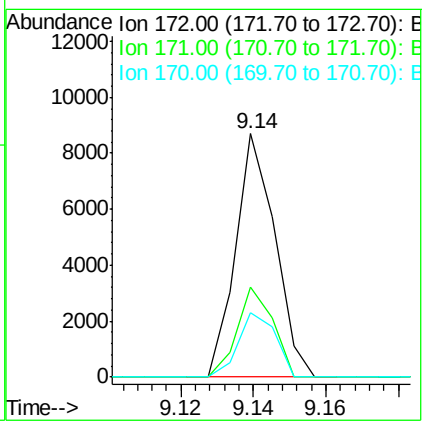


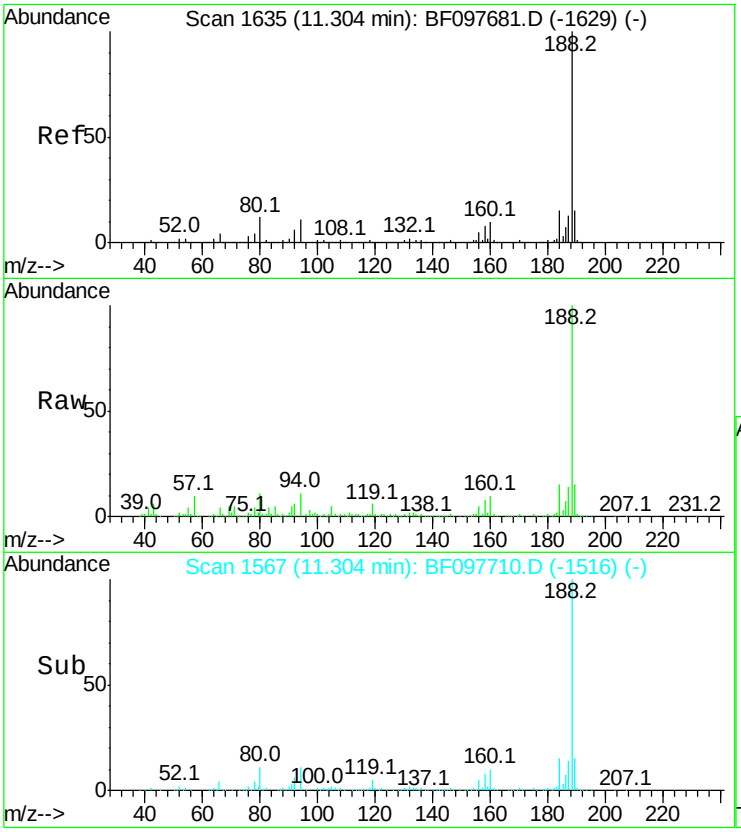


#44
2-Fluorobiphenyl
Concen: 0.454 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:172 Resp: 6568

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	26.7	19.8	29.8



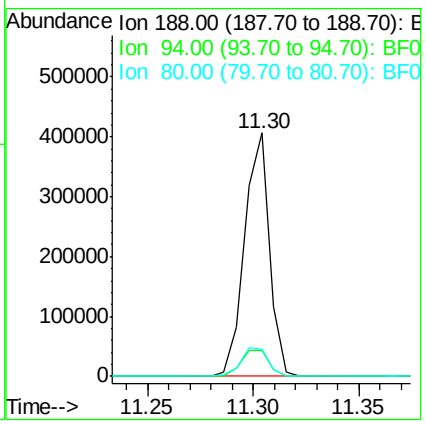


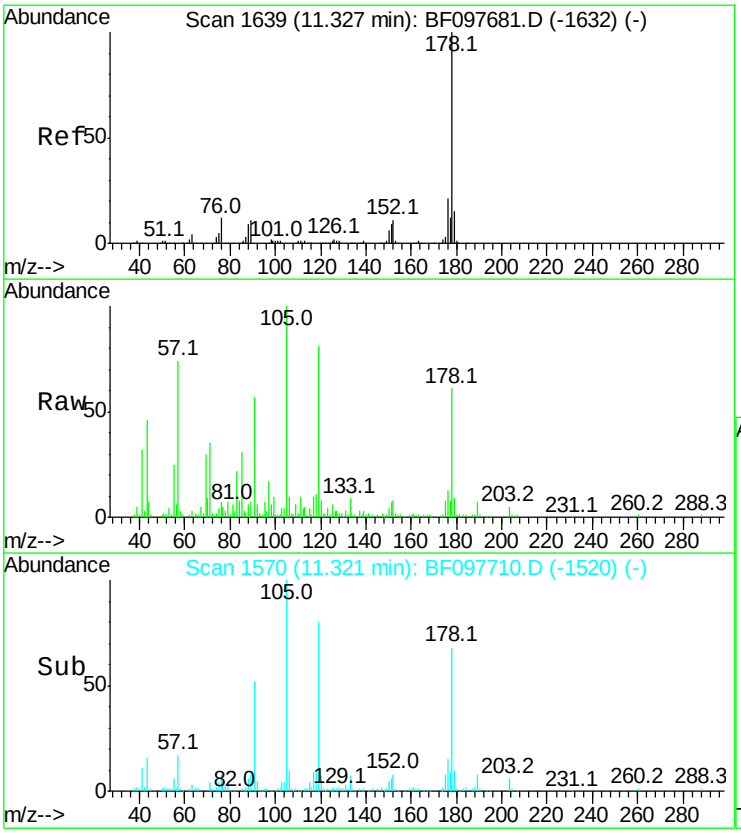
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tgt Ion:188 Resp: 332288

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.4	10.2	15.2

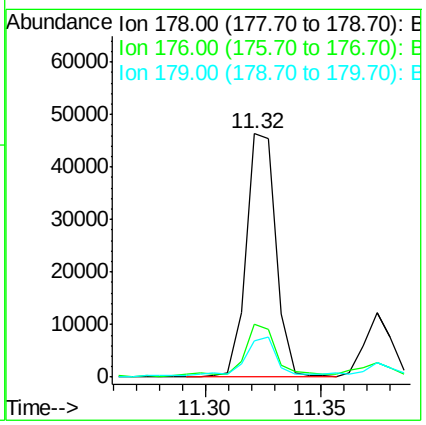


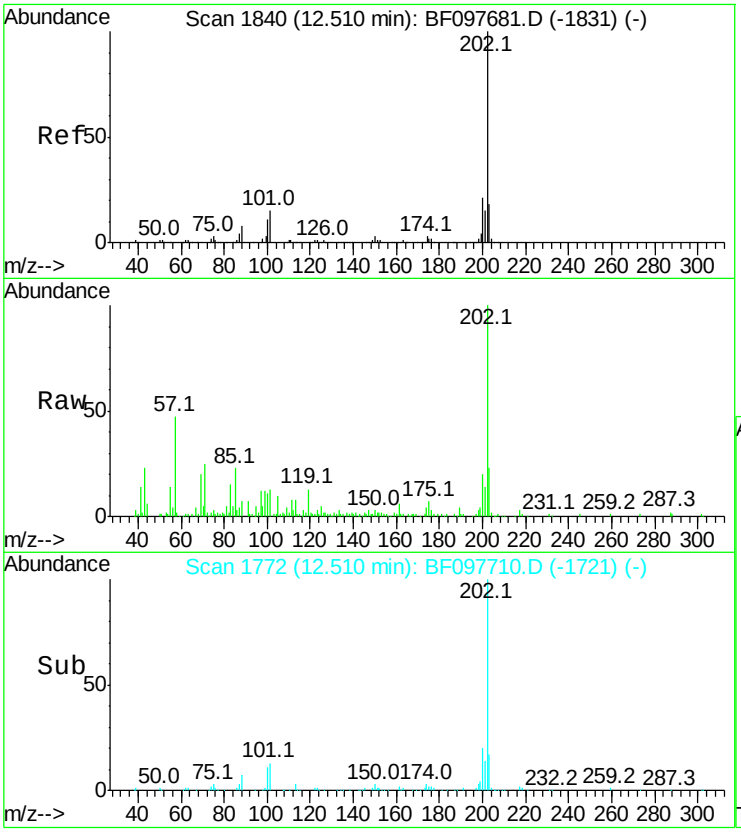


#70
Phenanthrene
Concen: 2.365 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:178 Resp: 41878

Ion	Ratio	Lower	Upper
178	100		
176	21.8	16.2	24.4
179	15.1	12.6	19.0



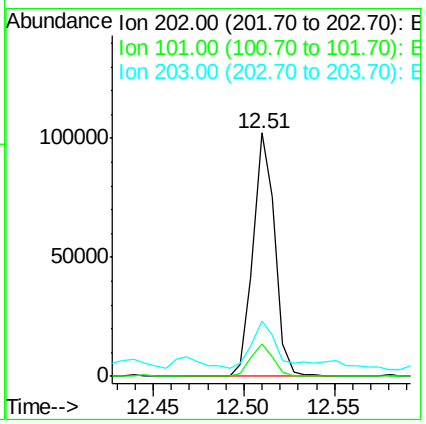


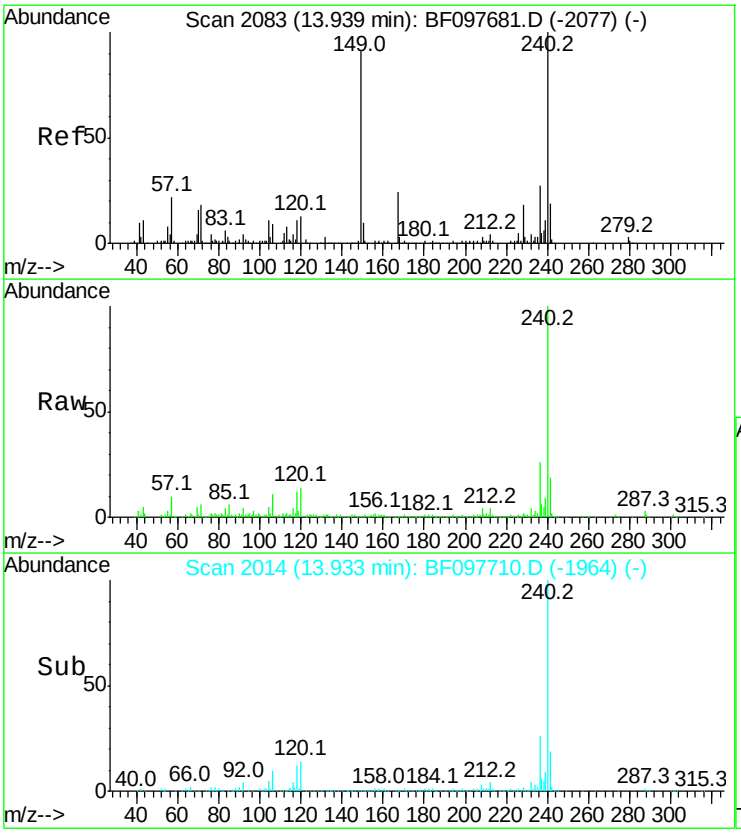
#74
Fluoranthene
Concen: 4.604 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tgt Ion:202 Resp: 85081

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	22.7	0.0	38.1

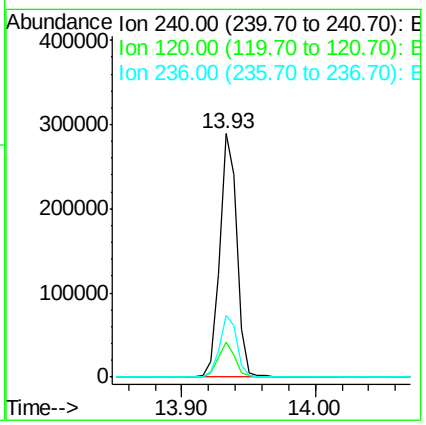


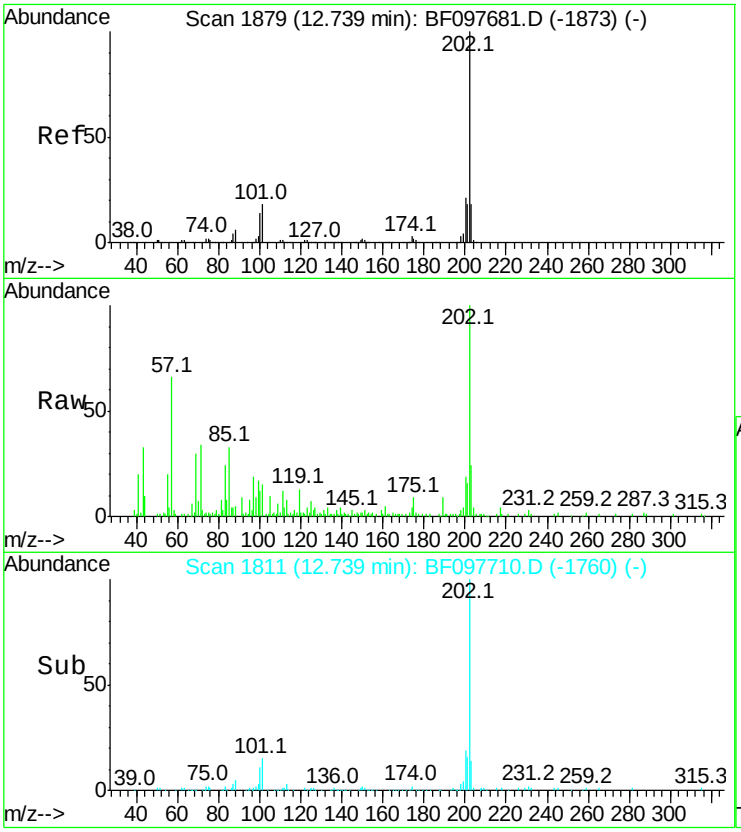


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:240 Resp: 262209

Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	25.6	20.5	30.7



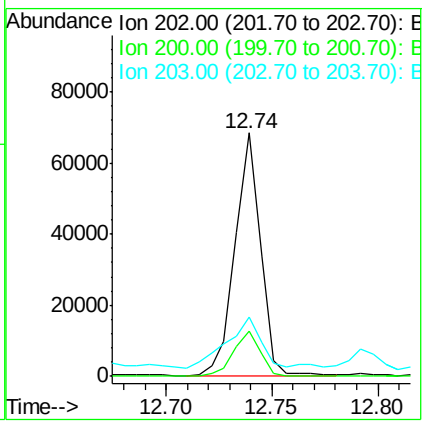


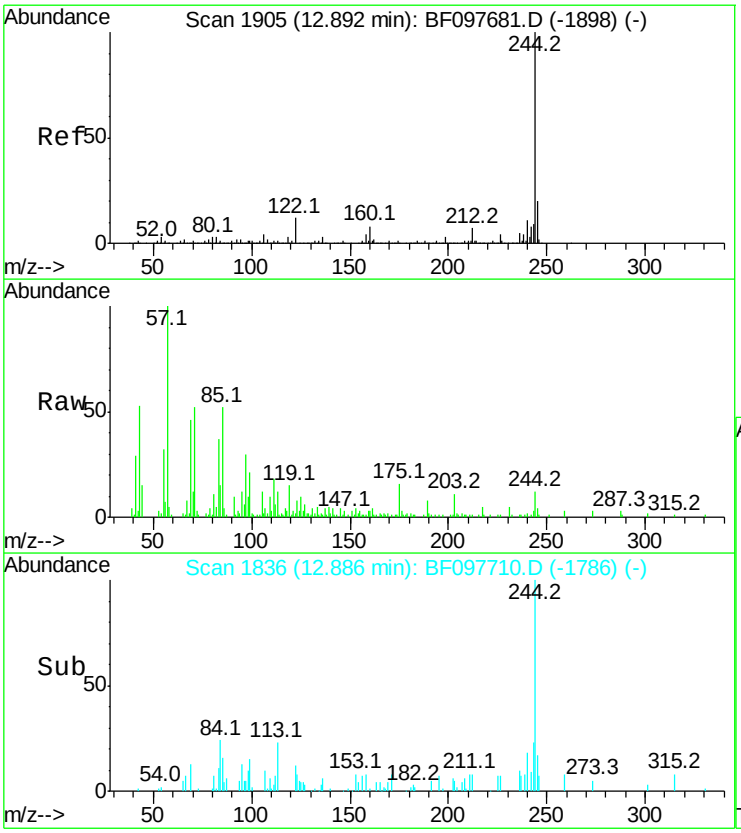
#77
Pyrene
Concen: 2.690 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tgt Ion:202 Resp: 57688

Ion	Ratio	Lower	Upper
202	100		
200	18.5	17.6	26.4
203	24.4	14.4	21.6#

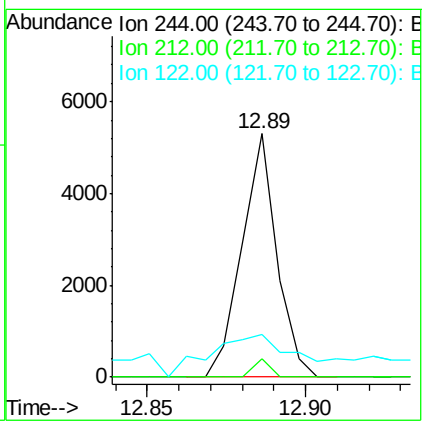


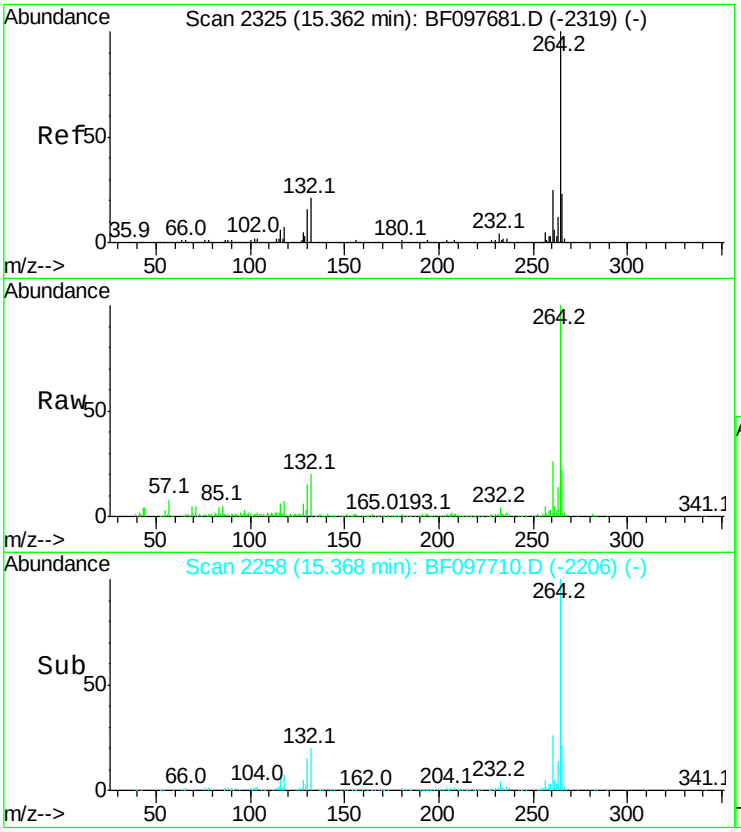


#78
Terphenyl-d14
Concen: 0.321 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:244 Resp: 4039

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	17.8	10.3	15.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tgt Ion:264 Resp: 241721

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	21.5	17.2	25.8