Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
Data File : BM010811.D
Acq On : 13 Jul 2017 14:18
Operator : SJ/JU
Sample : I3757-05
Misc : 8 PPM LOD
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOD-WATER-05-QT3-2017

Quant Time: Jul 13 16:15:41 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	169347	20.00	ng		0.00
21) Naphthalene-d8	10.20	136	631934	20.00	ng		0.00
38) Acenaphthene-d10	14.10	164	414708	20.00	ng		0.00
63) Phenanthrene-d10	16.85	188	995630	20.00	ng		0.00
75) Chrysene-d12	21.07	240	1197100	20.00	ng		0.00
86) Perylene-d12	23.20	264	1194799	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.08	112	1392095	136.17	ng		0.00
7) Phenol-d6	6.64	99	1837176	130.36	ng		0.00
23) Nitrobenzene-d5	8.59	82	1679039	102.13	ng		0.00
41) 2,4,6-Tribromophenol	15.60	330	921983	145.48	ng		0.00
44) 2-Fluorobiphenyl	12.71	172	3407094	102.20	ng		0.00
78) Terphenyl-d14	19.51	244	5610107	90.64	ng		0.00
Target Compounds							Qvalue
40) Hexachlorocyclopentadiene	12.24	237	78926	7.616	ng		97
53) 2,4-Dinitrophenol	14.22	184	31648	6.616	ng	#	78
69) Pentachlorophenol	16.50	266	71699	7.752	ng		94

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

Quantitation Report (QT Reviewed)

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LOD-WATER-05-QT3-2017

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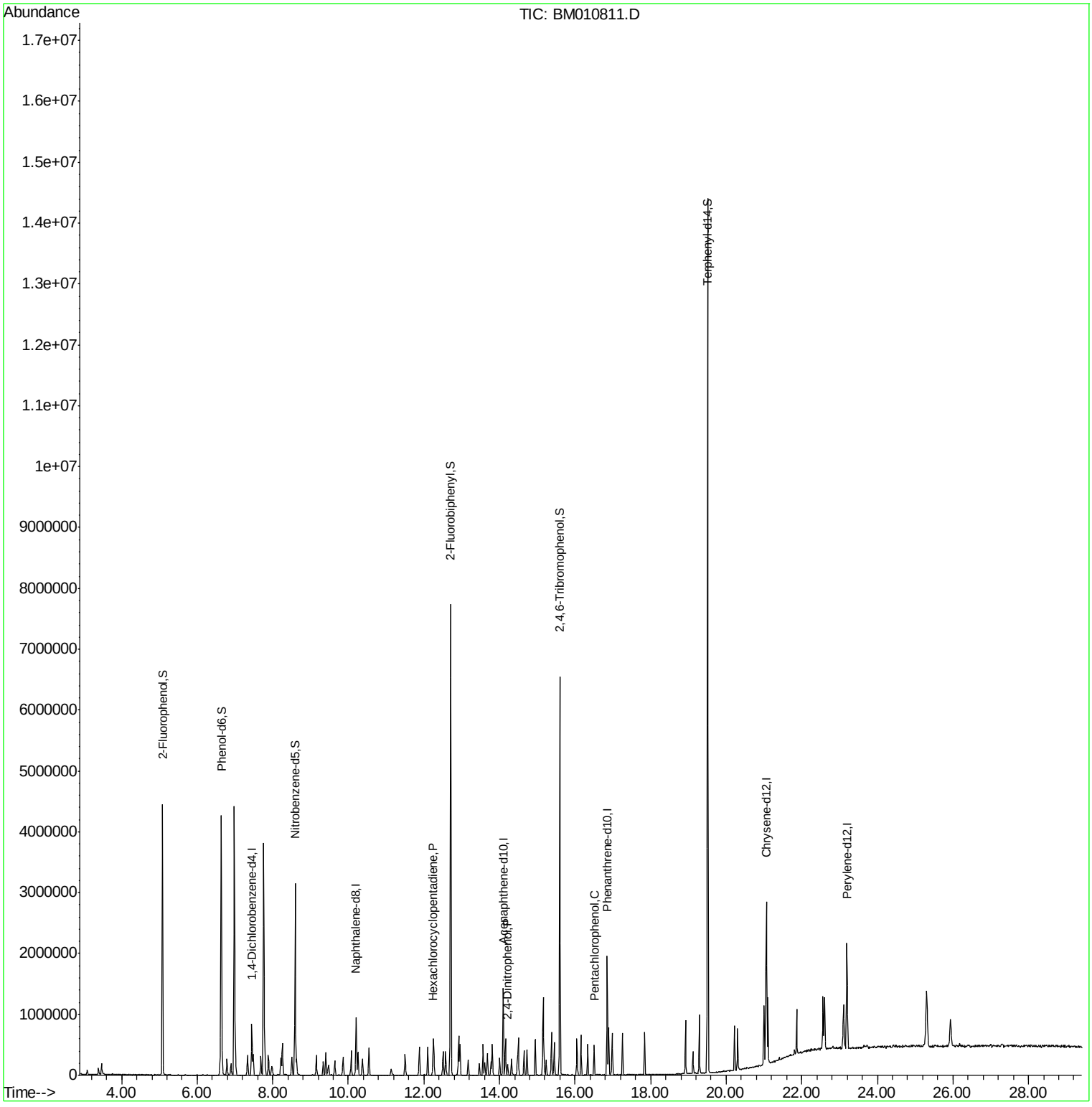
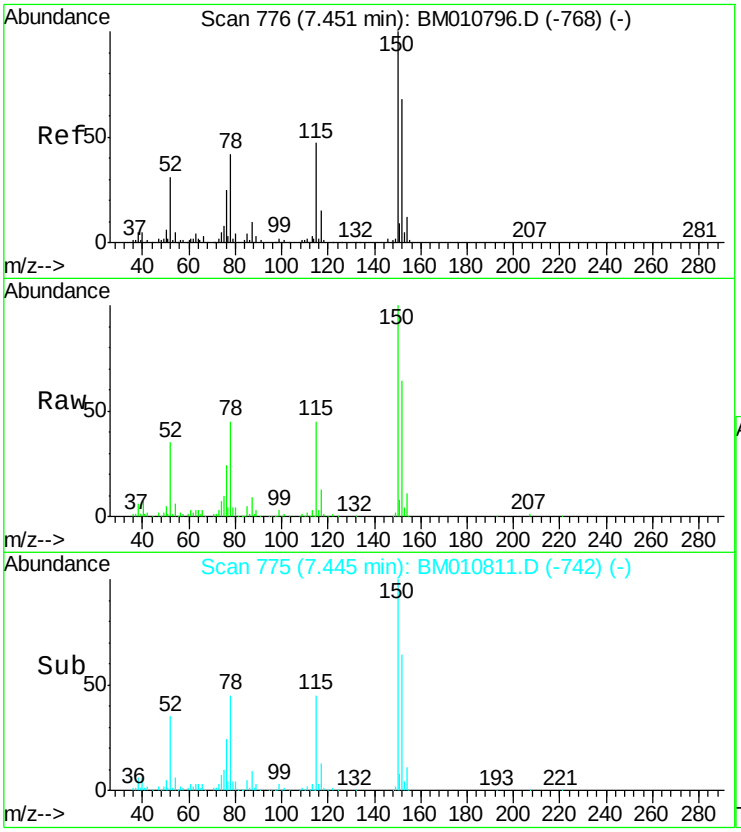


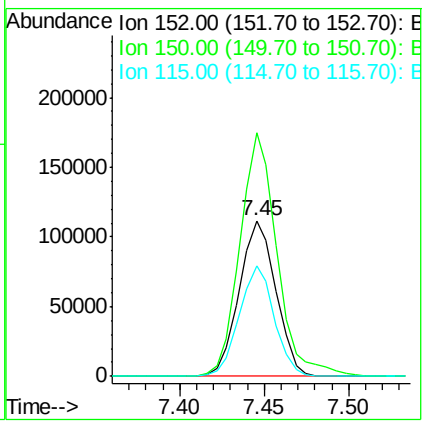


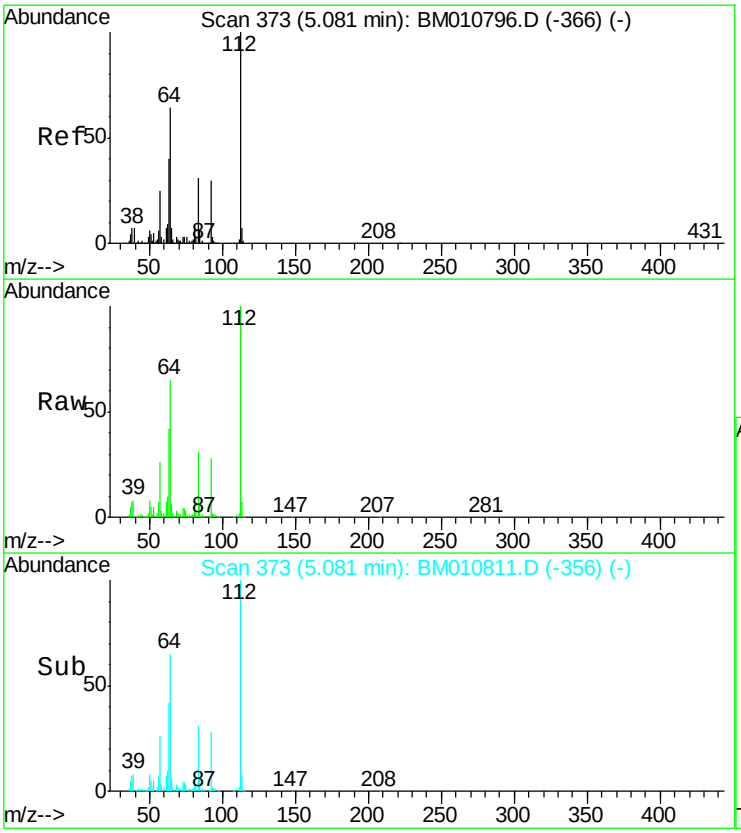
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. -0.01 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:152 Resp: 169347

Ion	Ratio	Lower	Upper
152	100		
150	156.6	119.5	179.3
115	70.7	43.0	64.4#

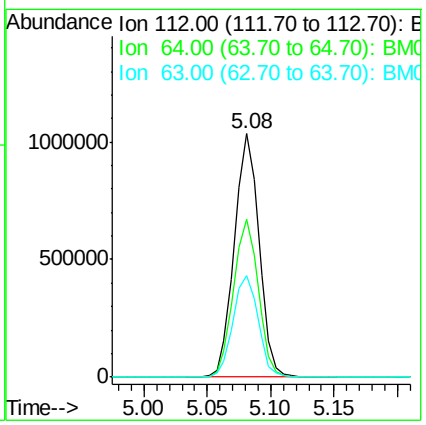


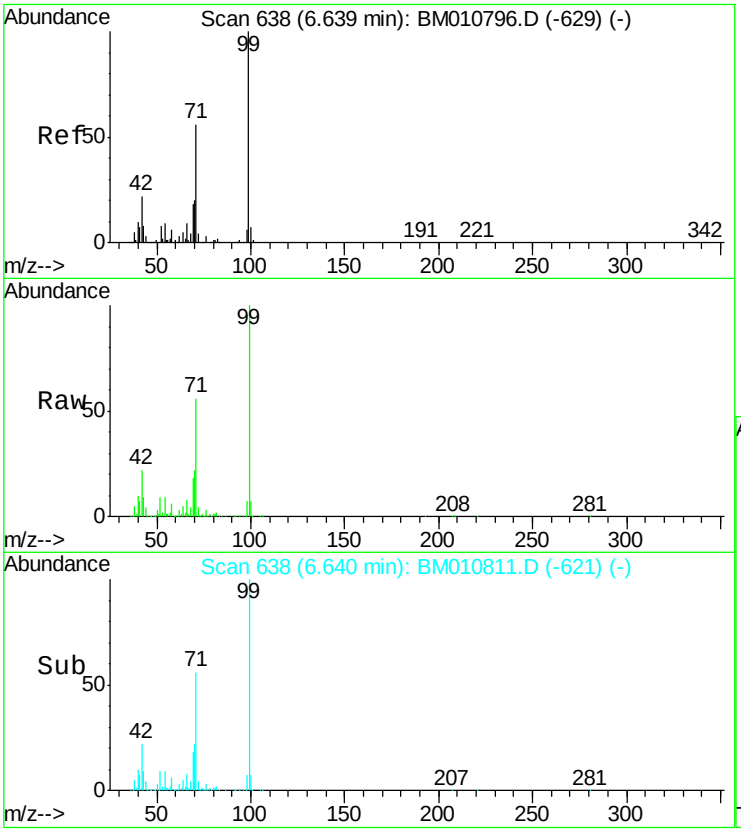


#5
2-Fluorophenol
Concen: 136.170 ng
RT: 5.08 min Scan# 373
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Tgt Ion:112 Resp: 1392095

Ion	Ratio	Lower	Upper
112	100		
64	64.7	38.6	57.8#
63	41.8	19.3	28.9#



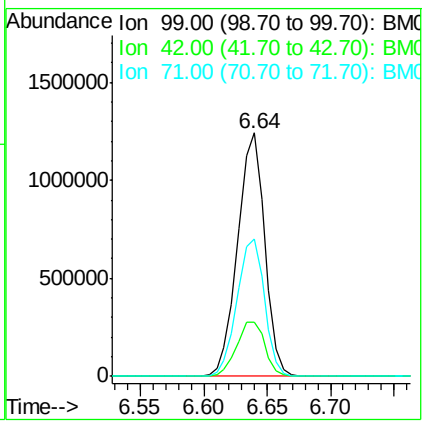


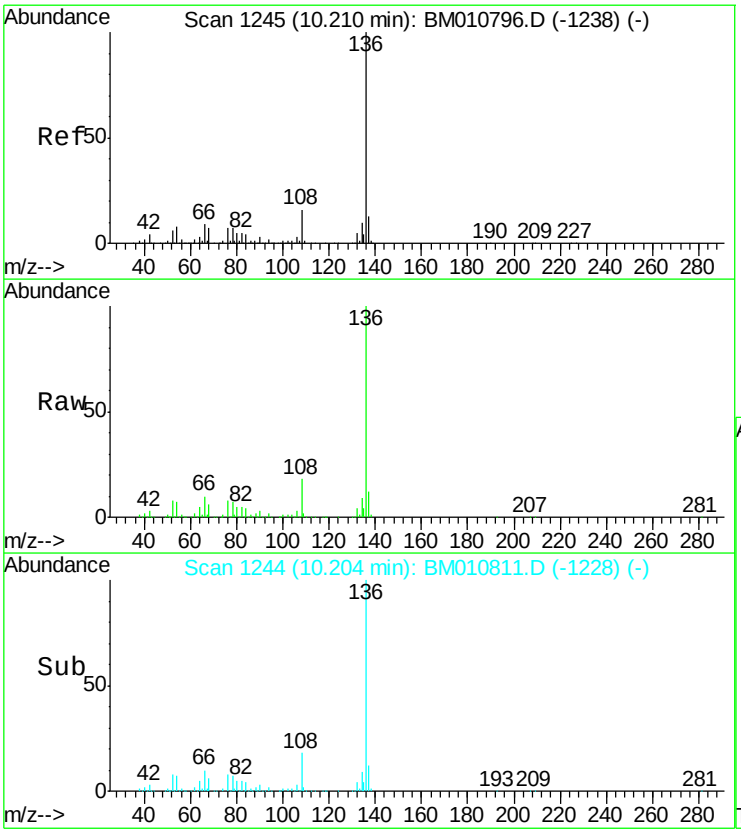
#7
Phenol-d6
Concen: 130.355 ng
RT: 6.64 min Scan# 638
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion: 99 Resp: 1837176

Ion	Ratio	Lower	Upper
99	100		
42	22.4	11.0	16.4#
71	56.4	23.4	35.2#

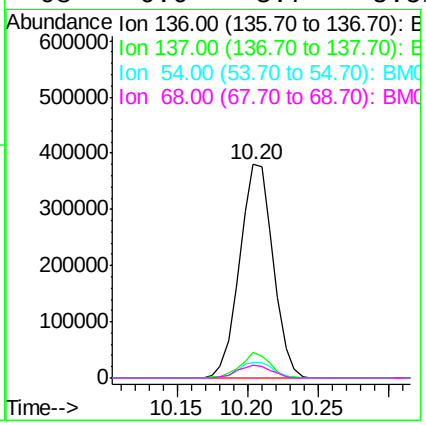


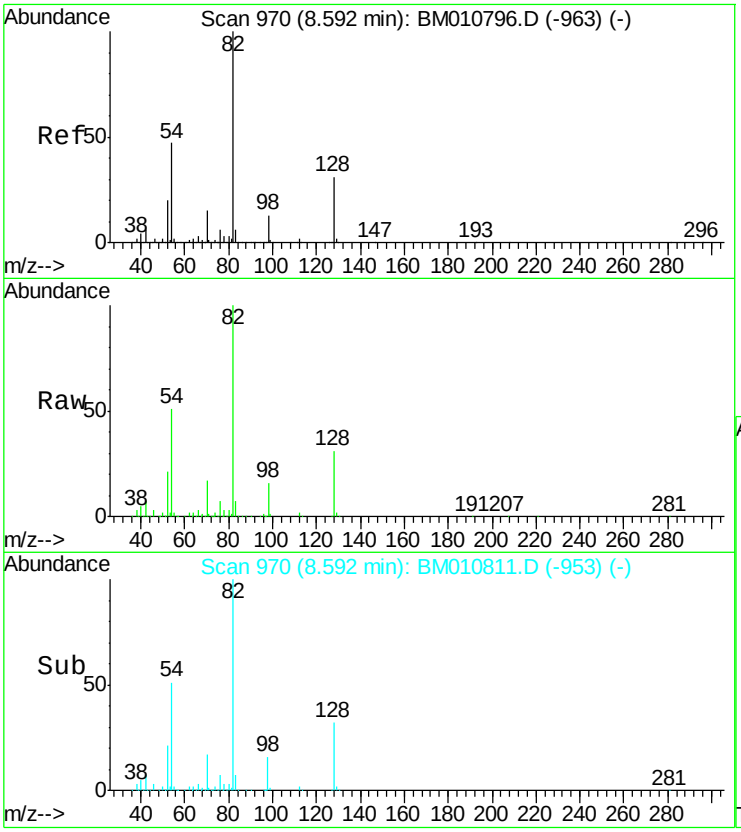


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Tgt Ion:136 Resp: 631934

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.7	13.1
54	7.0	4.6	6.8#
68	6.0	3.7	5.5#



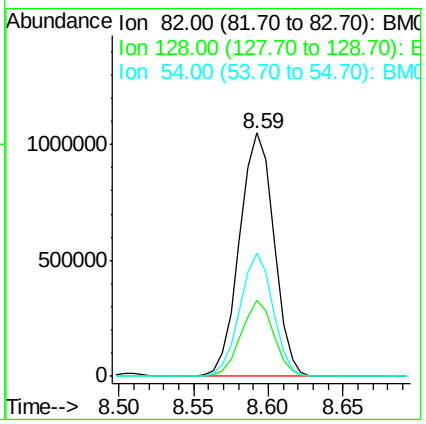


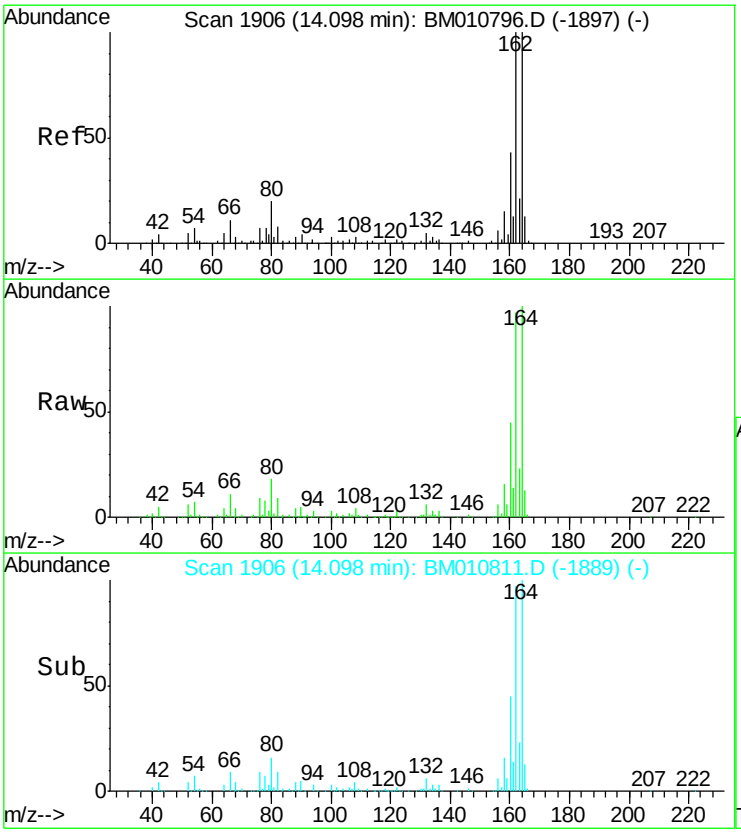
#23
Nitrobenzene-d5
Concen: 102.128 ng
RT: 8.59 min Scan# 970
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion: 82 Resp: 1679039

Ion	Ratio	Lower	Upper
82	100		
128	31.5	32.8	49.2#
54	50.7	40.6	60.8

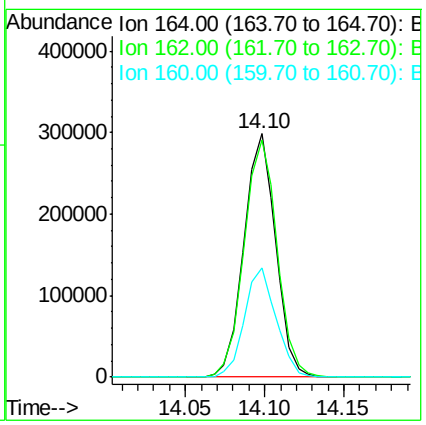


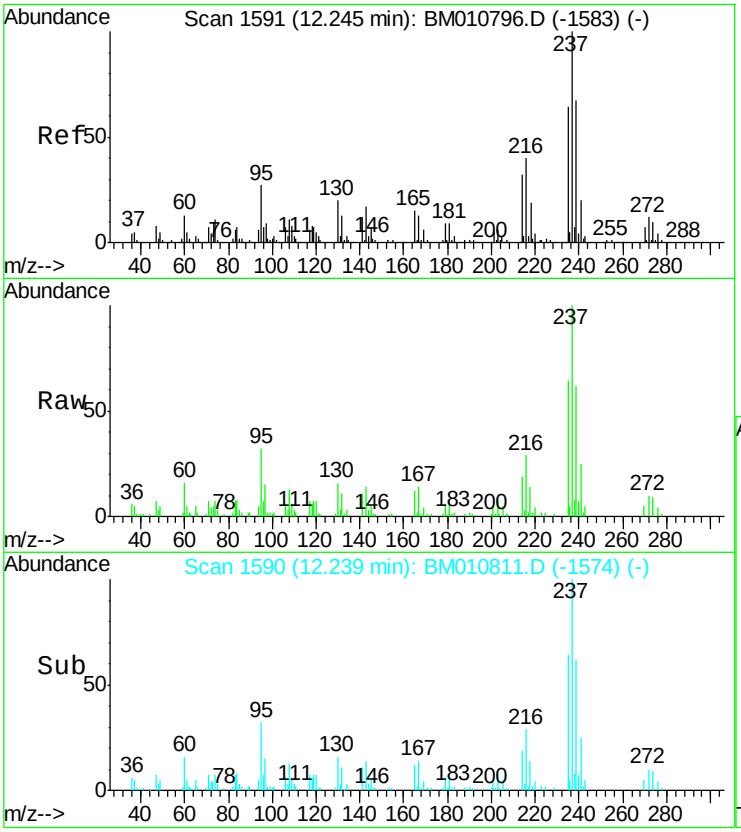


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.10 min Scan# 1906
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Tgt Ion:164 Resp: 414708

Ion	Ratio	Lower	Upper
164	100		
162	97.4	82.4	123.6
160	44.8	35.8	53.6



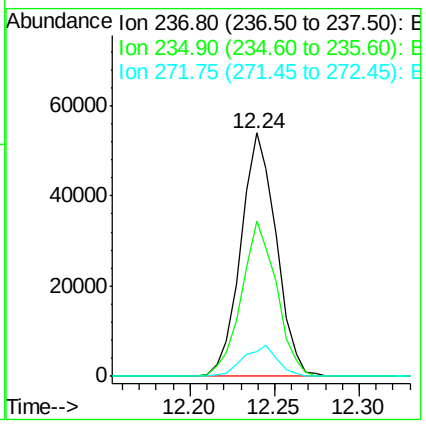


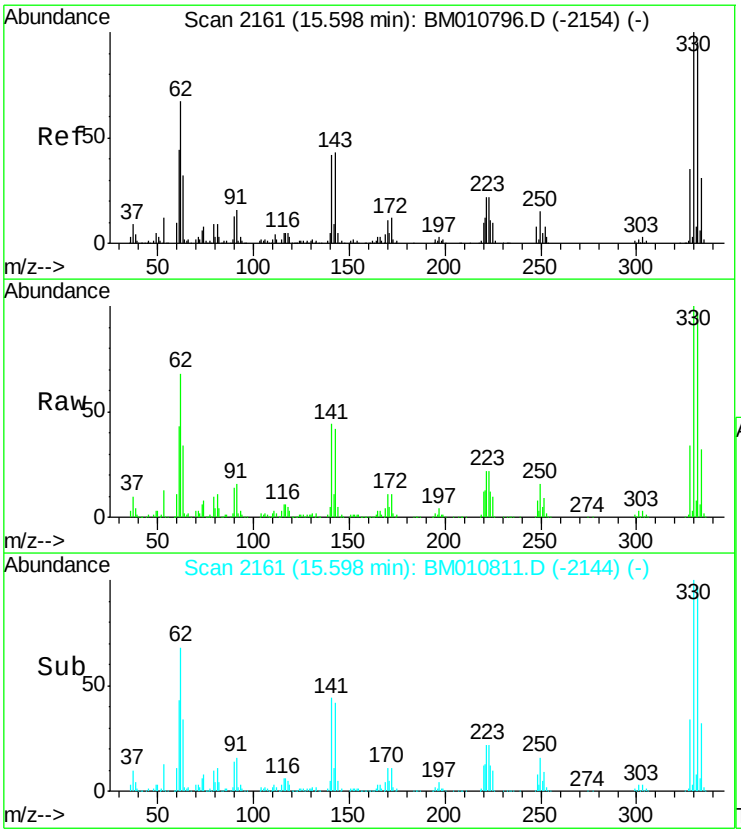
#40
Hexachlorocyclopentadiene
Concen: 7.616 ng
RT: 12.24 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:237 Resp: 78926

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.0	82.0
272	10.3	0.0	33.4

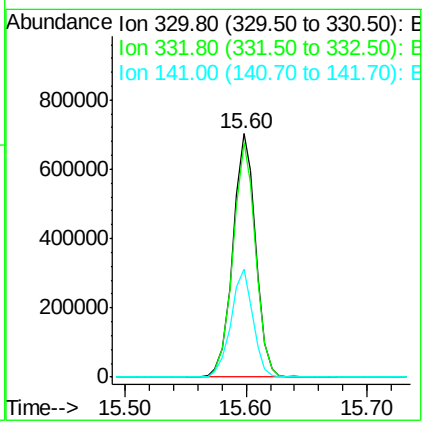


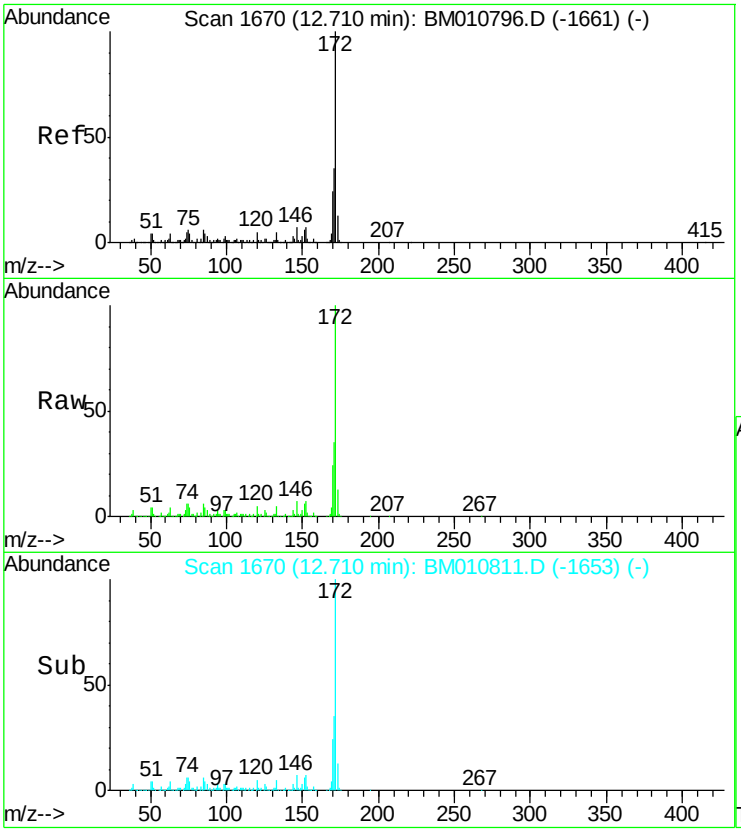


#41
2,4,6-Tribromophenol
Concen: 145.480 ng
RT: 15.60 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Tgt Ion:330 Resp: 921983

Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	43.3	0.0	0.0#



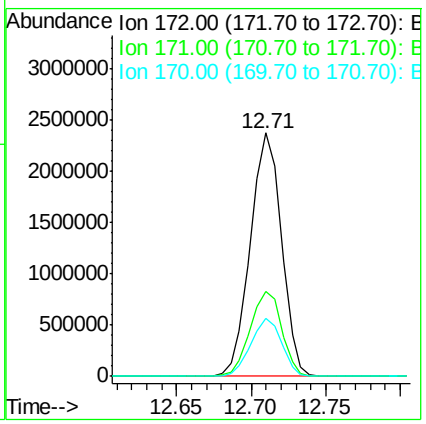


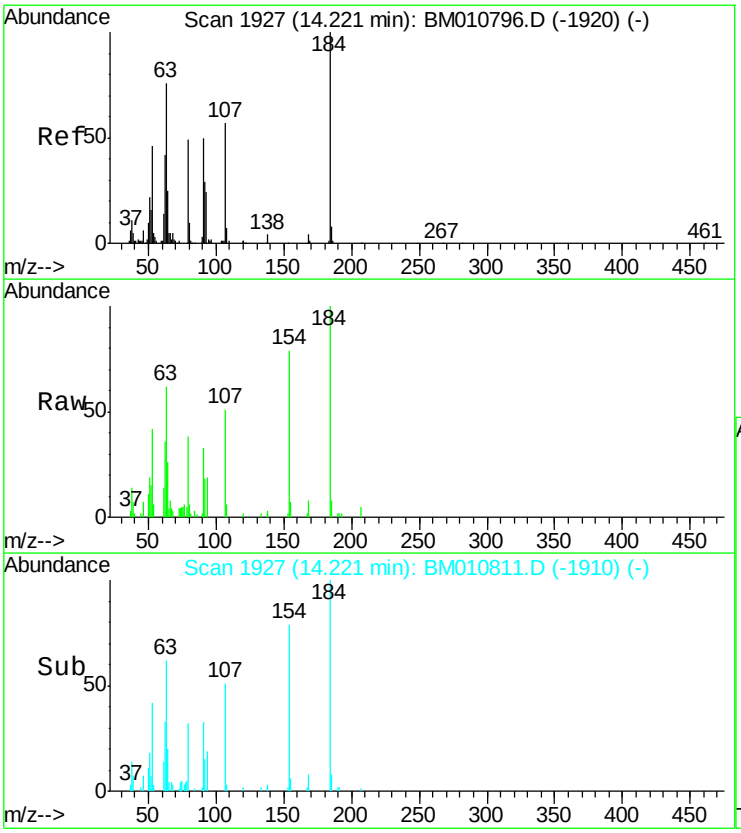
#44
2-Fluorobiphenyl
Concen: 102.205 ng
RT: 12.71 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:172 Resp: 3407094

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.5	42.7
170	23.6	18.8	28.2

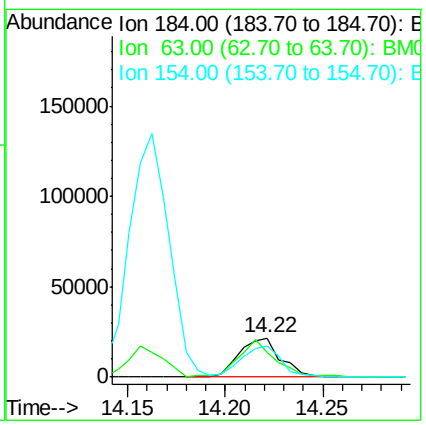


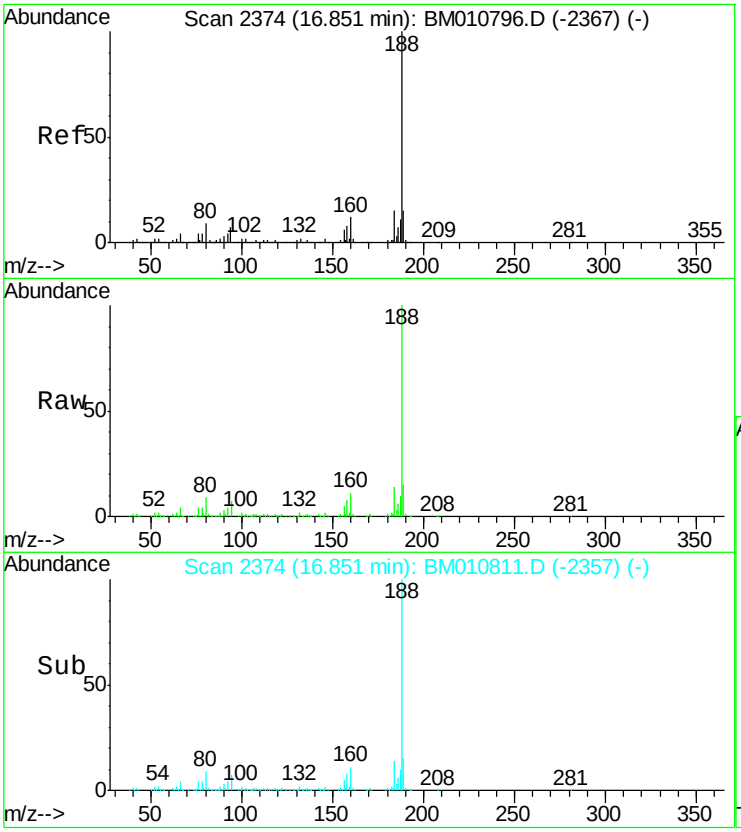


#53
2,4-Dinitrophenol
Concen: 6.616 ng
RT: 14.22 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Tgt Ion:184 Resp: 31648

Ion	Ratio	Lower	Upper
184	100		
63	62.0	69.2	103.8#
154	78.9	53.3	79.9



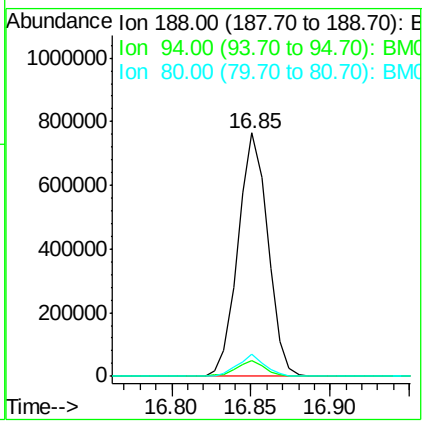


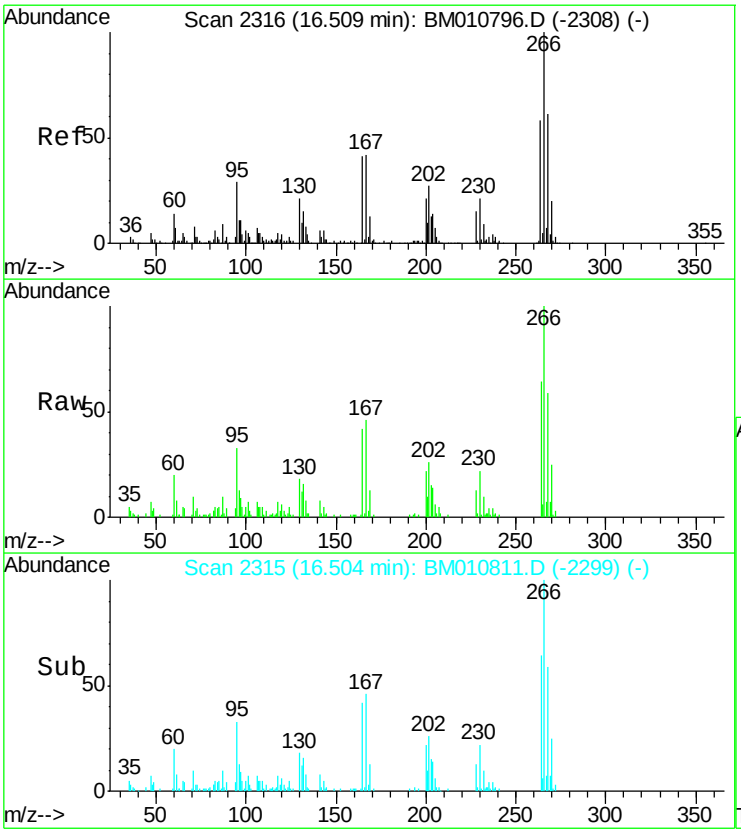
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:188 Resp: 995630

Ion	Ratio	Lower	Upper
188	100		
94	6.5	8.7	13.1#
80	9.0	9.3	13.9#

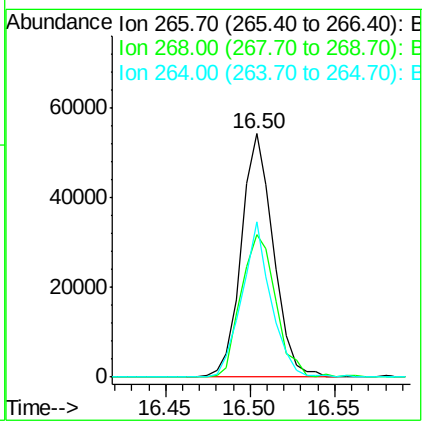


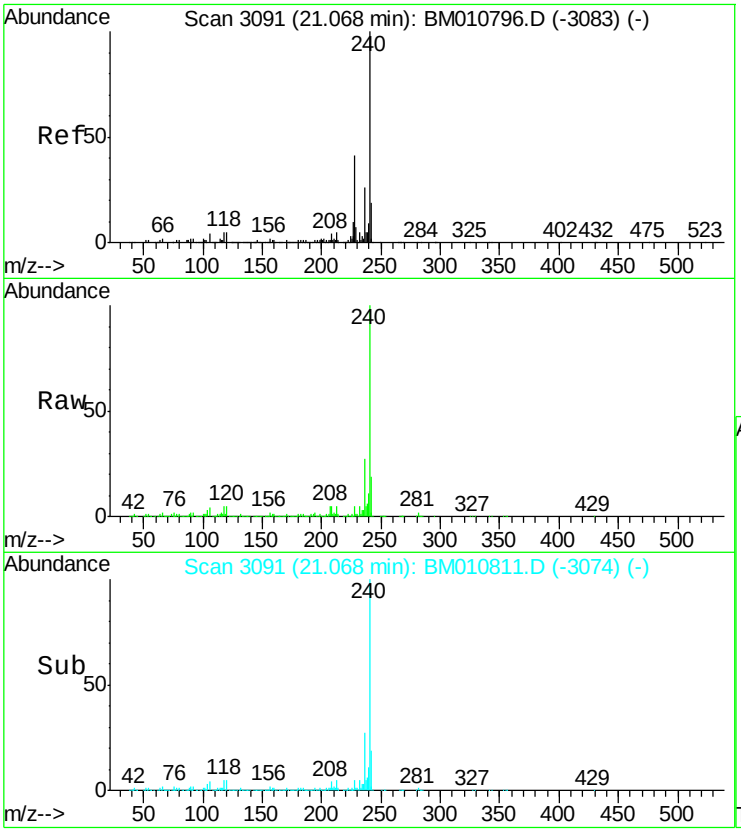


#69
Pentachlorophenol
Concen: 7.752 ng
RT: 16.50 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Tgt Ion:266 Resp: 71699

Ion	Ratio	Lower	Upper
266	100		
268	58.6	52.0	78.0
264	63.8	49.0	73.4



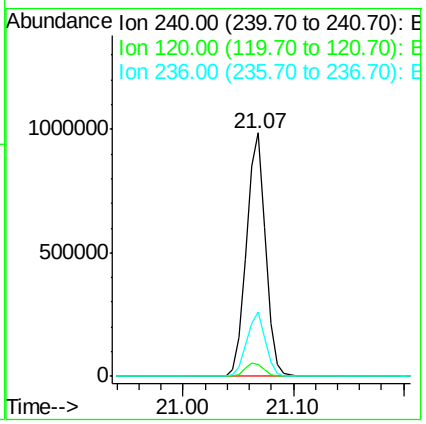


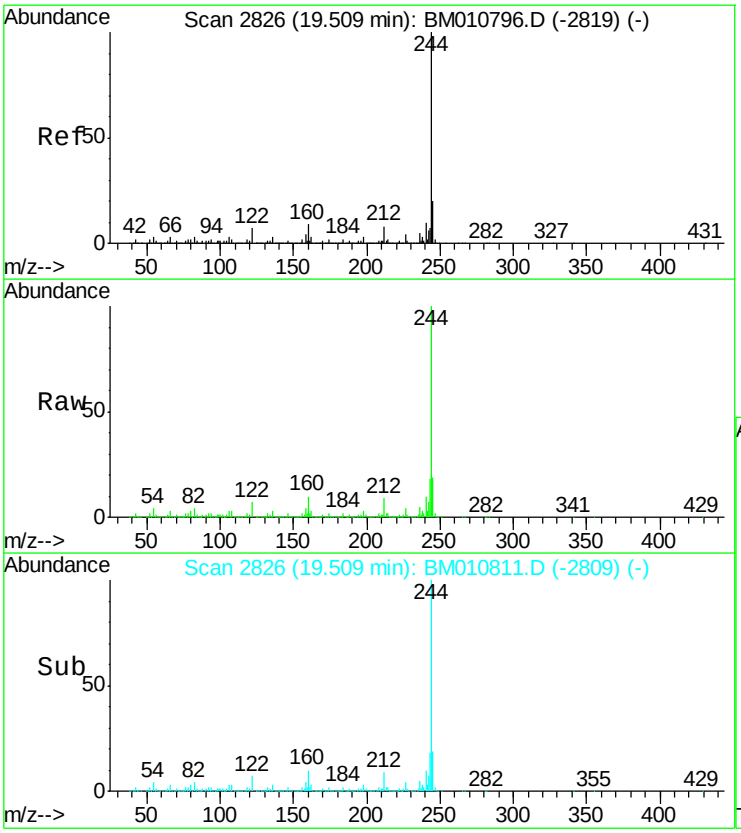
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:240 Resp: 1197100

Ion	Ratio	Lower	Upper
240	100		
120	4.9	8.2	12.2#
236	26.6	20.0	30.0

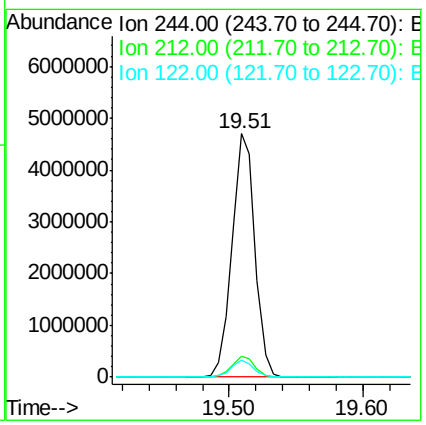


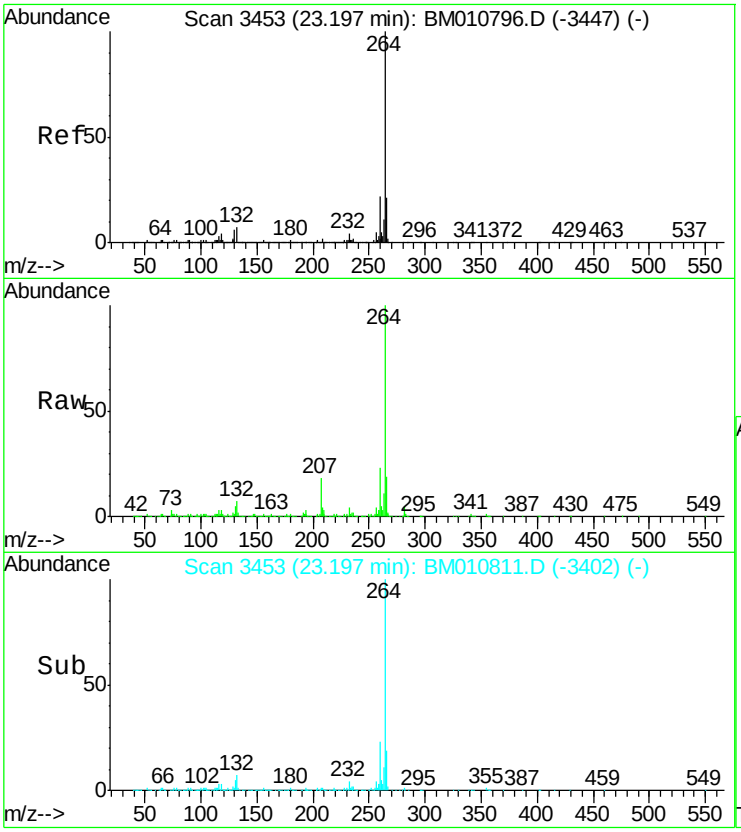


#78
Terphenyl-d14
Concen: 90.640 ng
RT: 19.51 min Scan# 2826
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Tgt Ion:244 Resp: 5610107

Ion	Ratio	Lower	Upper
244	100		
212	8.7	4.9	7.3#
122	7.0	6.2	9.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.20 min Scan# 3453
Delta R.T. 0.00 min
Lab File: BM010811.D
Acq: 13 Jul 2017 14:18

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:264 Resp: 1194799

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	19.2	17.3	25.9