Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121019\
Data File : BN008906.D
Acq On : 10 Dec 2019 15:02
Operator : JU
Sample : K5111-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOQ-WATER-02-QT4-2019

Quant Time: Dec 10 15:37:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2481	0.40	ng		0.00
7) Naphthalene-d8	10.32	136	10228	0.40	ng		0.00
13) Acenaphthene-d10	14.19	164	7534	0.40	ng		0.00
19) Phenanthrene-d10	16.93	188	18065	0.40	ng		0.00
27) Chrysene-d12	21.13	240	17814	0.40	ng		0.00
34) Perylene-d12	23.28	264	17915	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.20	112	2425	0.38	ng		0.00
5) Phenol-d6	6.75	99	3298	0.38	ng		0.00
8) Nitrobenzene-d5	8.69	82	3033	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	11.91	152	6546	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.68	330	1199	0.33	ng		0.00
15) 2-Fluorobiphenyl	12.80	172	10412	0.36	ng		0.00
25) Fluoranthene-d10	18.97	212	19535	0.36	ng		0.00
29) Terphenyl-d14	19.58	244	15975	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.20	88	214	0.092	ng		92
3) n-Nitrosodimethylamine	3.55	42	118	0.037	ng	#	73
6) bis(2-Chloroethyl)ether	7.00	93	624	0.076	ng		89
9) Naphthalene	10.37	128	2484	0.089	ng		95
10) Hexachlorobutadiene	10.67	225	440	0.082	ng	#	99
12) 2-Methylnaphthalene	11.99	142	1857	0.089	ng		96
16) Acenaphthylene	13.90	152	2796	0.081	ng		99
17) Acenaphthene	14.24	154	1954	0.085	ng		99
18) Fluorene	15.25	166	2671	0.087	ng		99
20) 4-Bromophenyl-phenylether	16.13	248	890	0.082	ng	#	81
21) Hexachlorobenzene	16.25	284	985	0.080	ng		95
22) Pentachlorophenol	16.60	266	379	0.085	ng		89
23) Phenanthrene	16.97	178	4733	0.083	ng		99
24) Anthracene	17.07	178	3985	0.080	ng		99
26) Fluoranthene	19.00	202	5581	0.082	ng		98
28) Pyrene	19.36	202	5628	0.090	ng		99
30) Benzo(a)anthracene	21.12	228	5325	0.084	ng		97
31) Chrysene	21.17	228	5775	0.088	ng		97
32) Bis(2-ethylhexyl)phthalate	21.08	149	2197	0.074	ng		99
33) Indeno(1,2,3-cd)pyrene	25.40	276	5556	0.080	ng		98
35) Benzo(b)fluoranthene	22.65	252	5724	0.089	ng	#	77
36) Benzo(k)fluoranthene	22.69	252	5590	0.087	ng	#	72
37) Benzo(a)pyrene	23.19	252	4750	0.082	ng	#	66
38) Dibenzo(a,h)anthracene	25.41	278	4622	0.086	ng	#	83
39) Benzo(g,h,i)perylene	26.04	276	4894	0.092	ng		91

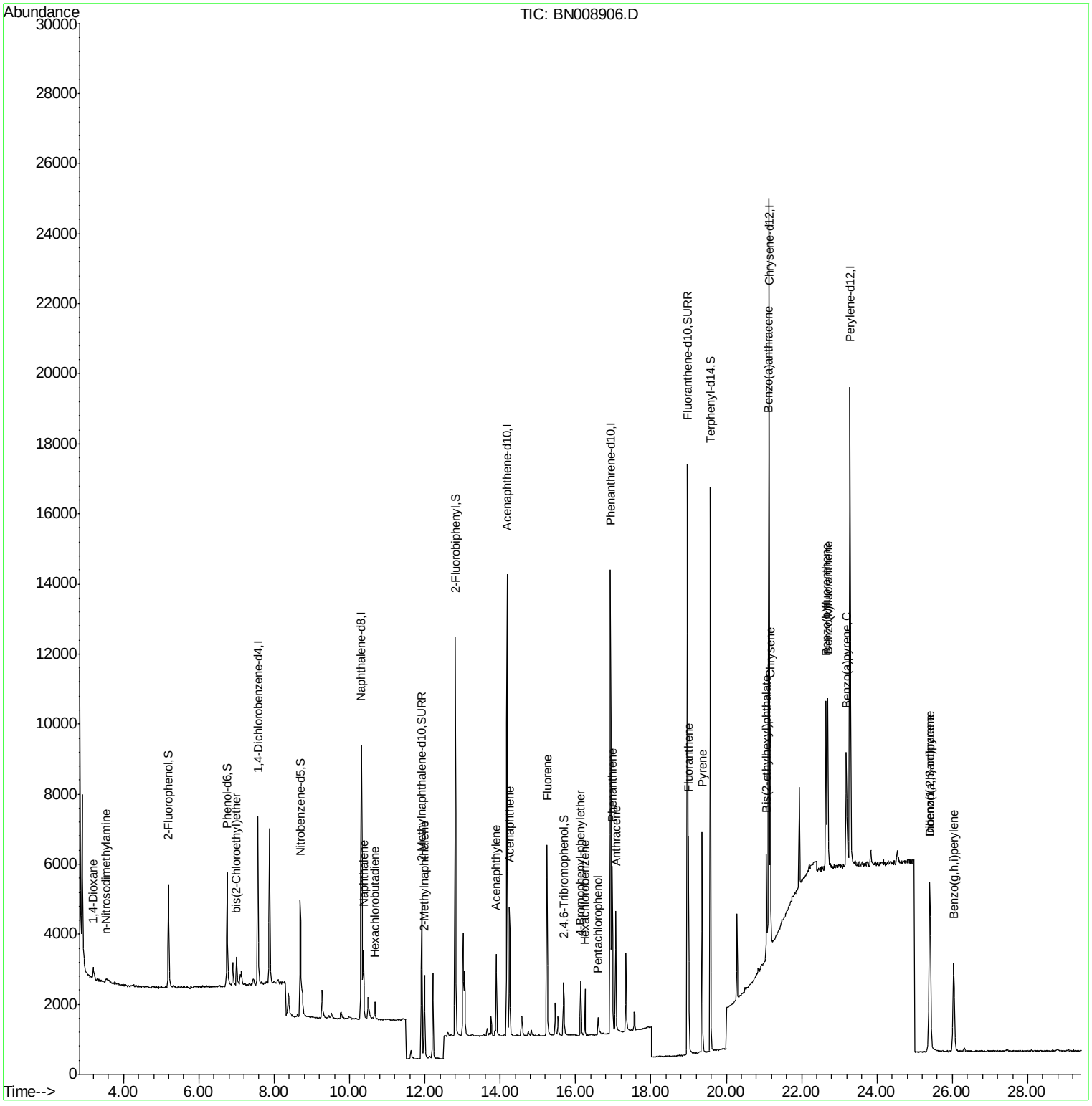
(#) = qualifier out of range (m) = manual integration (+) = signals summed

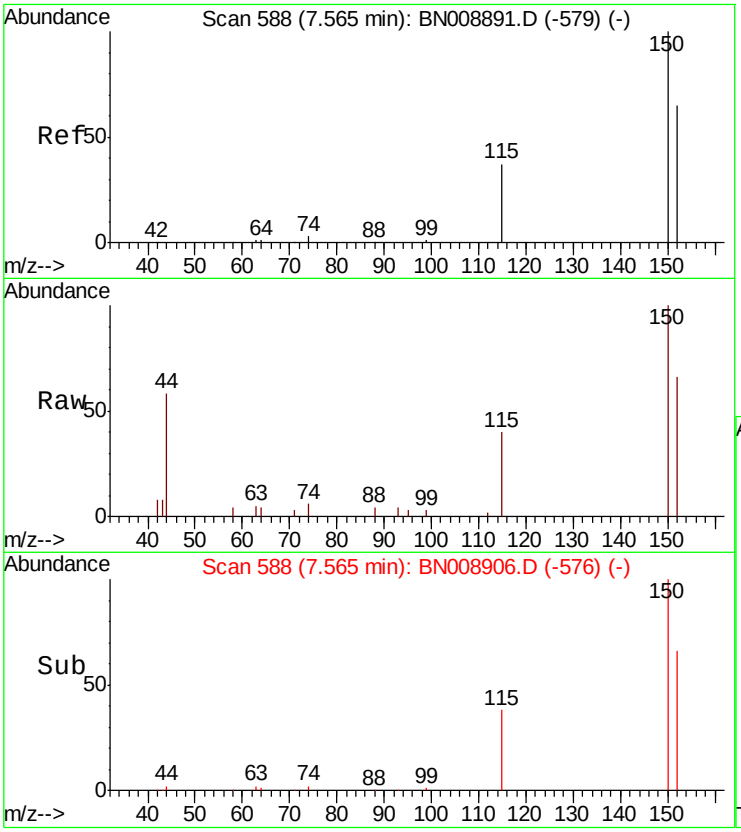
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121019\
Data File : BN008906.D
Acq On : 10 Dec 2019 15:02
Operator : JU
Sample : K5111-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Quant Time: Dec 10 15:37:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration



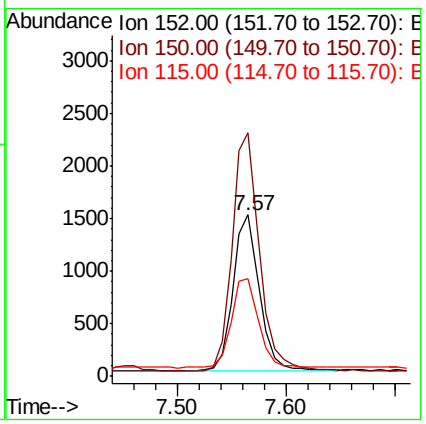


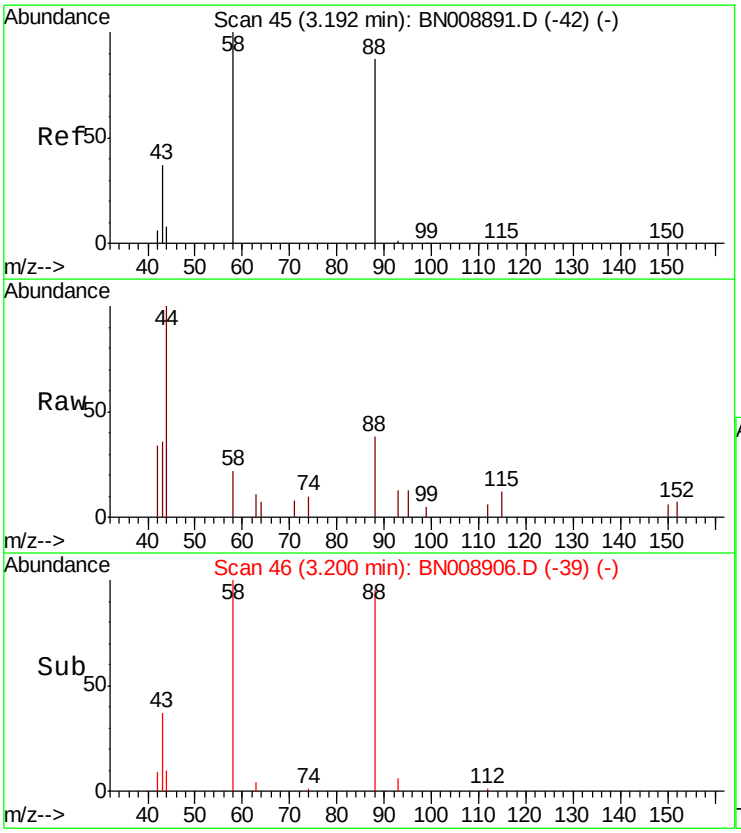
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 588
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:152 Resp: 2481

Ion	Ratio	Lower	Upper
152	100		
150	151.1	122.3	183.5
115	60.6	48.4	72.6

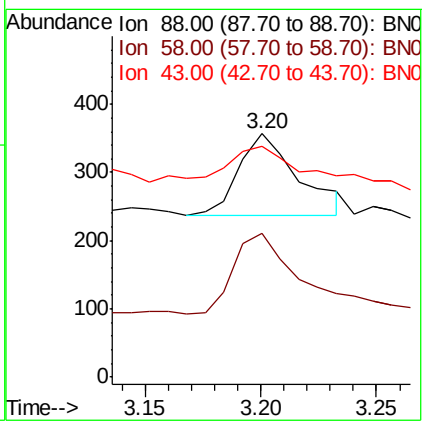


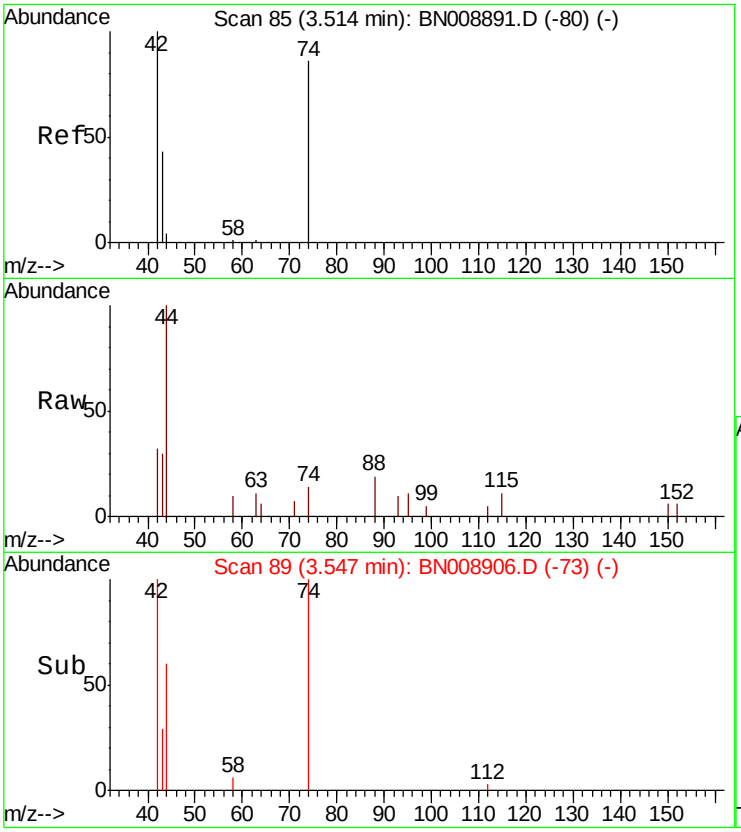


#2
1,4-Dioxane
Concen: 0.092 ng
RT: 3.20 min Scan# 46
Delta R.T. 0.01 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion: 88 Resp: 214

Ion	Ratio	Lower	Upper
88	100		
58	101.9	88.6	132.8
43	36.4	31.8	47.8



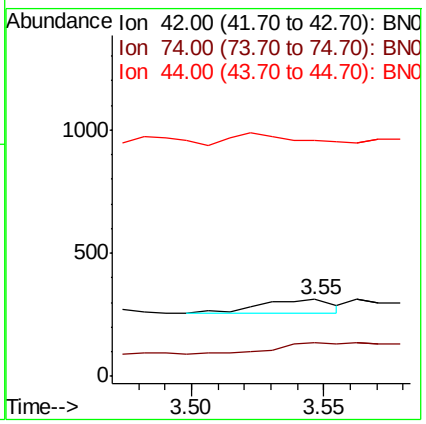


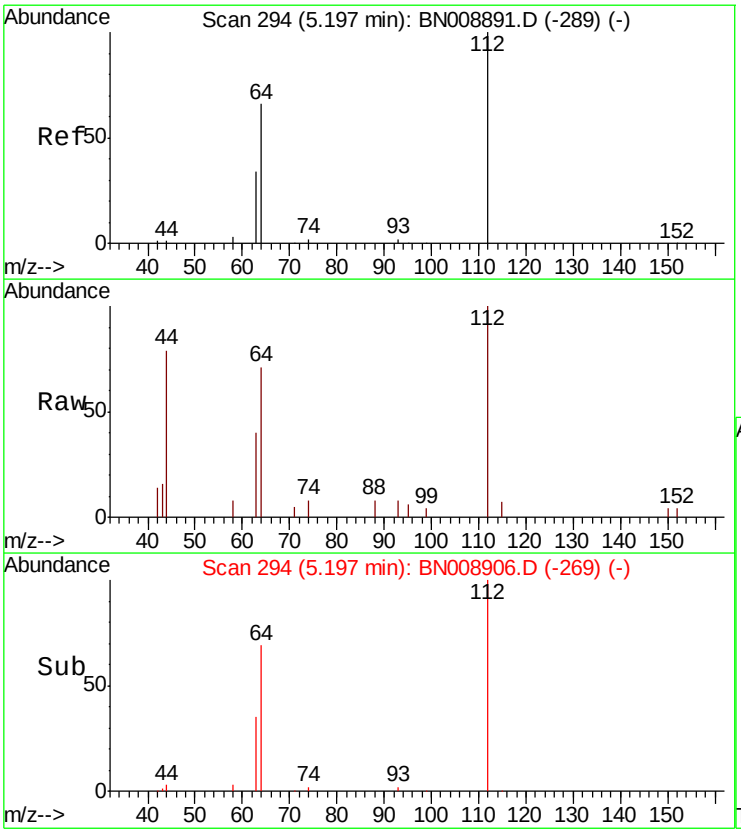
#3
n-Nitrosodimethylamine
Concen: 0.037 ng
RT: 3.55 min Scan# 89
Delta R.T. 0.03 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion: 42 Resp: 118

Ion	Ratio	Lower	Upper
42	100		
74	71.2	78.6	117.8#
44	0.0	0.0	0.0

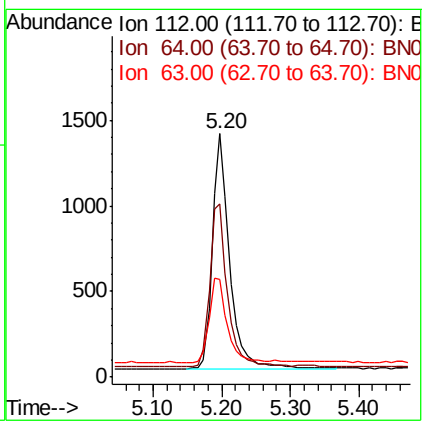


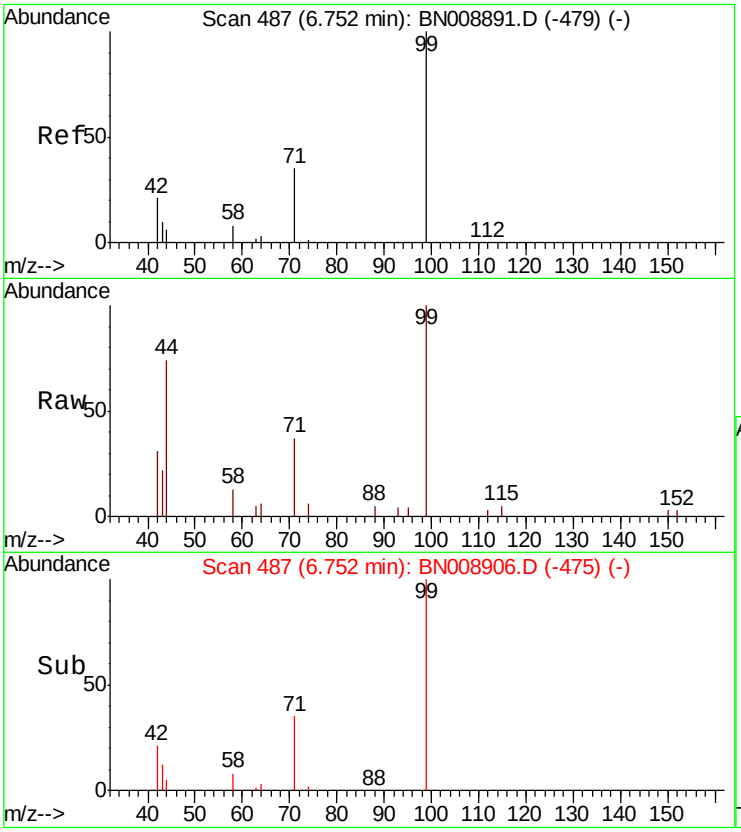


#4
2-Fluorophenol
Concen: 0.385 ng
RT: 5.20 min Scan# 294
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:112 Resp: 2425

Ion	Ratio	Lower	Upper
112	100		
64	71.9	57.7	86.5
63	39.0	29.6	44.4



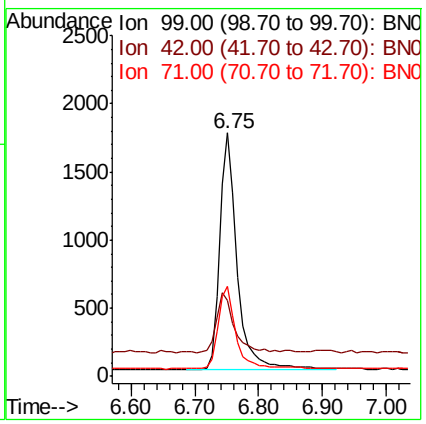


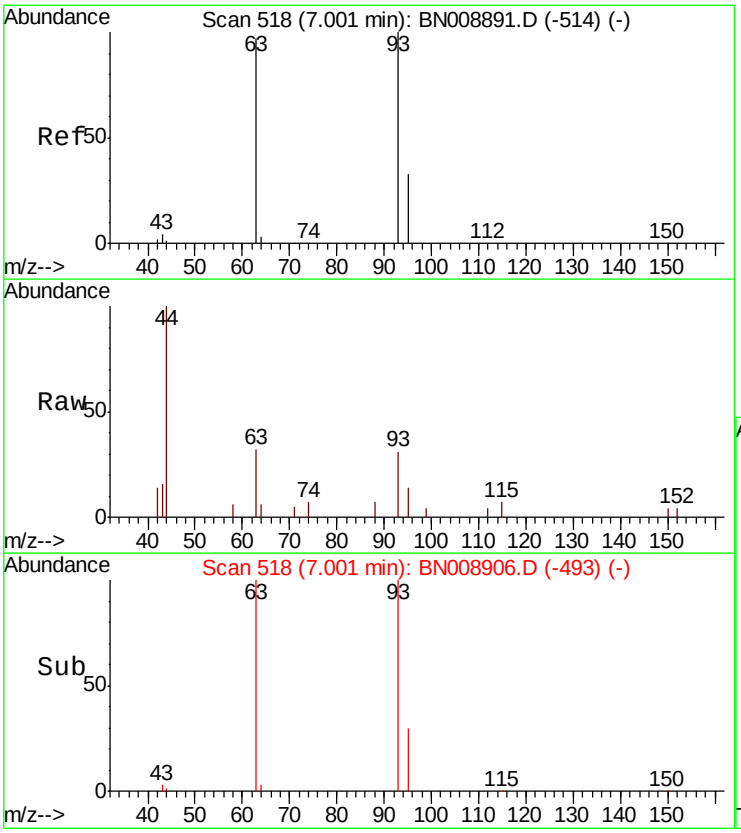
#5
Phenol-d6
Concen: 0.378 ng
RT: 6.75 min Scan# 487
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion: 99 Resp: 3298

Ion	Ratio	Lower	Upper
99	100		
42	25.5	20.1	30.1
71	35.7	28.2	42.2

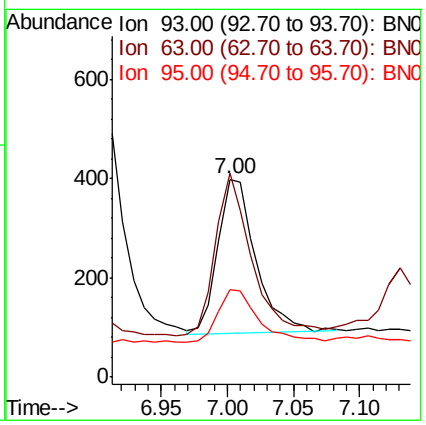


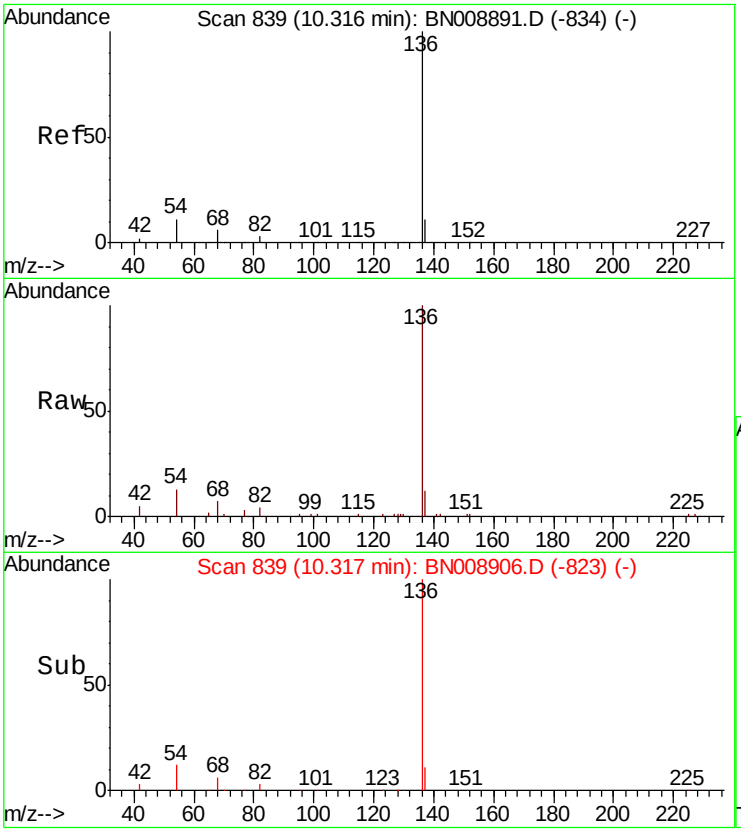


#6
bis(2-Chloroethyl)ether
Concen: 0.076 ng
RT: 7.00 min Scan# 518
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion: 93 Resp: 624

Ion	Ratio	Lower	Upper
93	100		
63	102.6	73.5	110.3
95	37.3	26.0	39.0



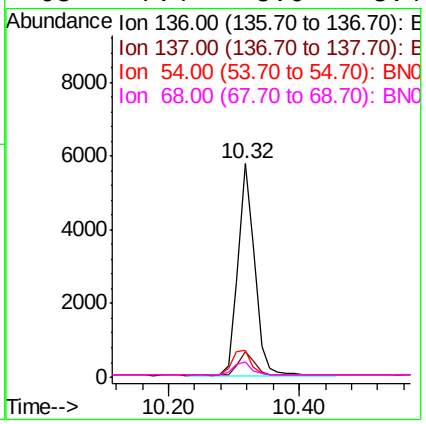


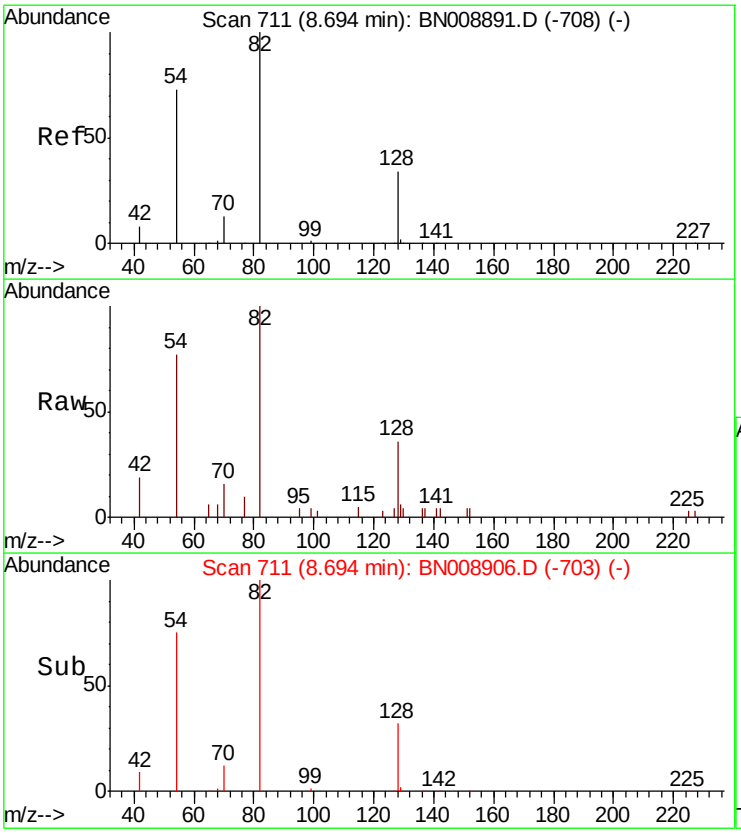
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.32 min Scan# 839
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:136 Resp: 10228

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	12.8	9.6	14.4
68	7.4	5.6	8.4

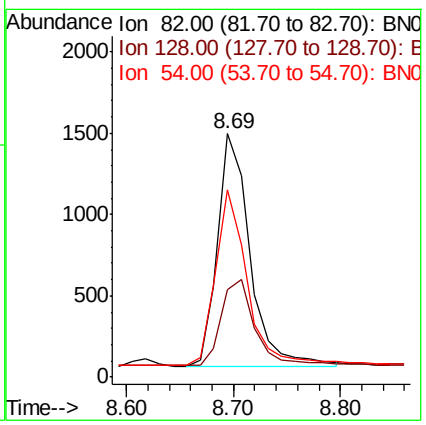


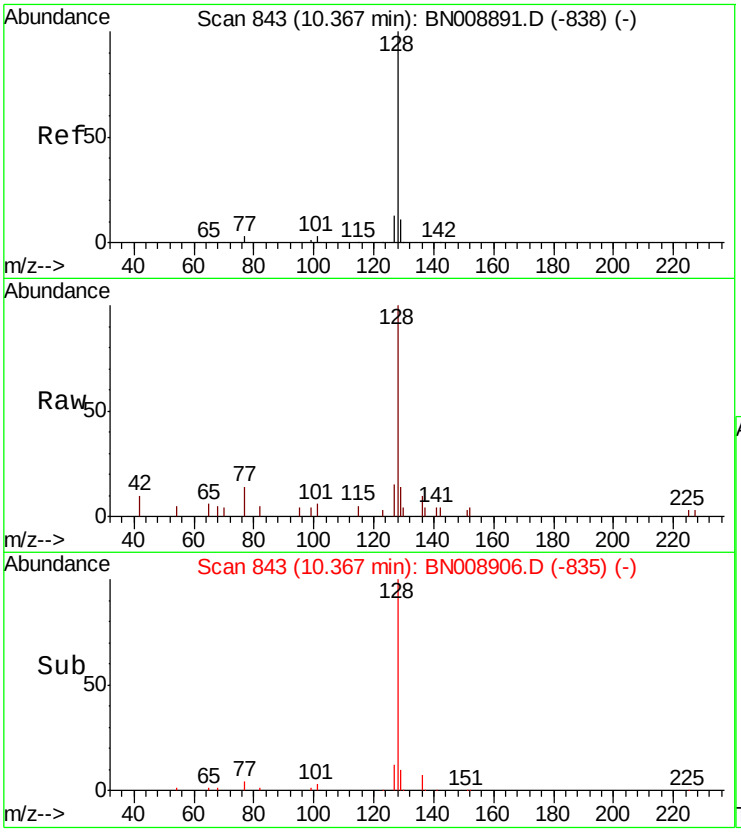


#8
Nitrobenzene-d5
Concen: 0.350 ng
RT: 8.69 min Scan# 711
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion: 82 Resp: 3033

Ion	Ratio	Lower	Upper
82	100		
128	35.9	29.1	43.7
54	76.8	59.7	89.5



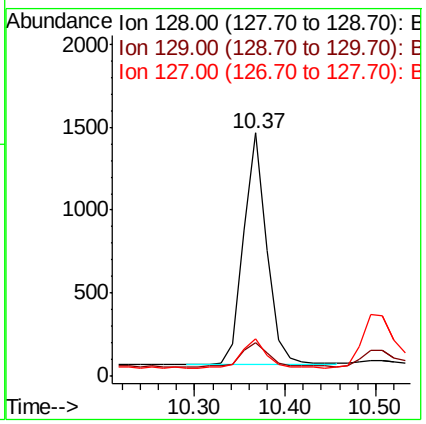


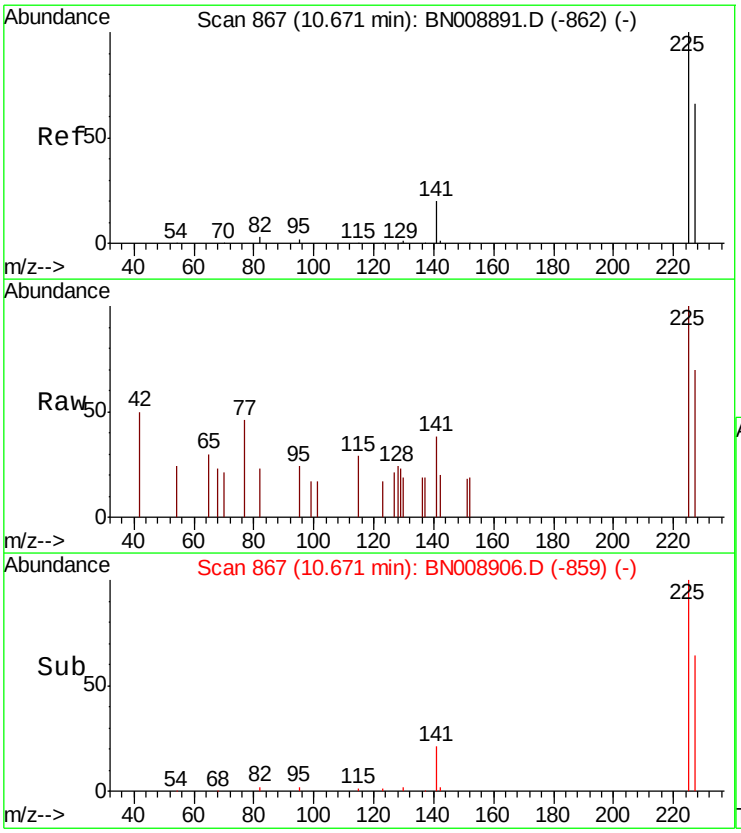
#9
Naphthalene
Concen: 0.089 ng
RT: 10.37 min Scan# 843
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:128 Resp: 2484

Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.4	14.0
127	15.3	10.8	16.2

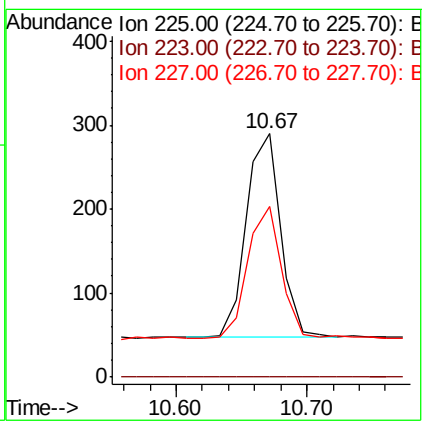


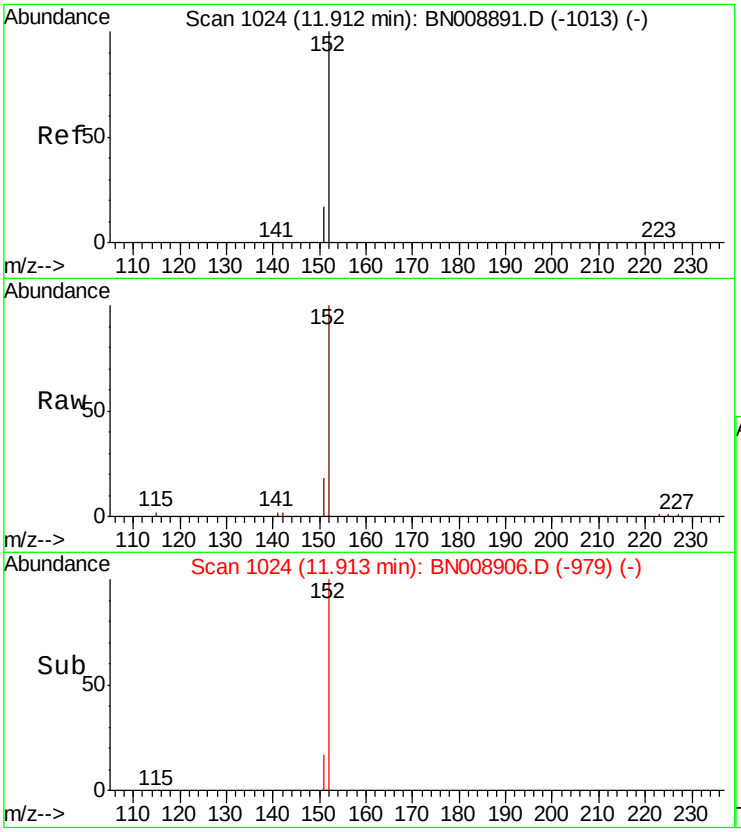


#10
Hexachlorobutadiene
Concen: 0.082 ng
RT: 10.67 min Scan# 867
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:225 Resp: 440

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.4	77.2



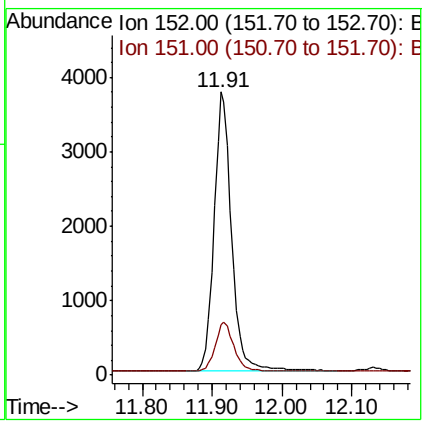


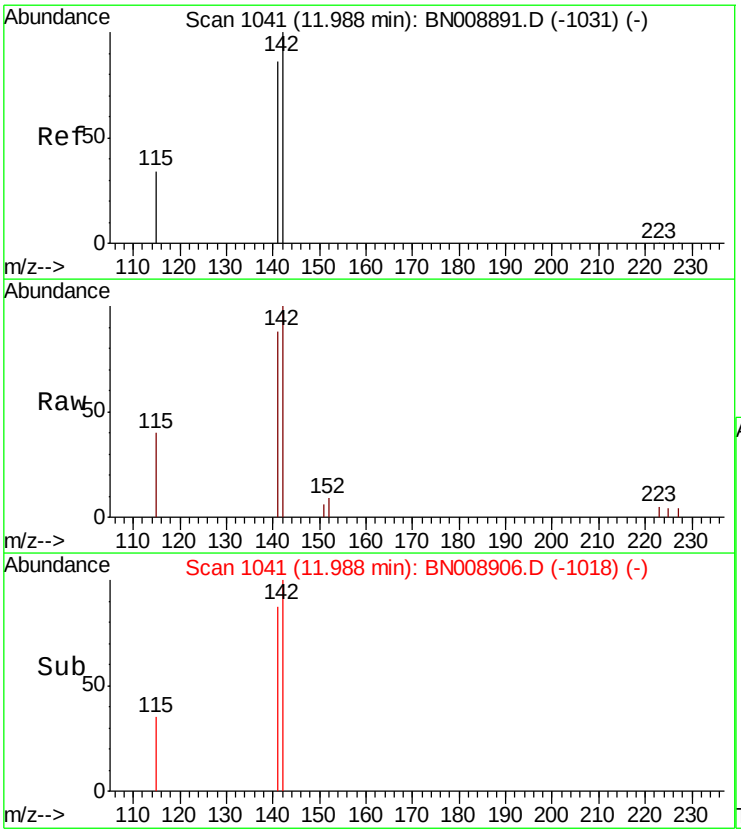
#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 11.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:152 Resp: 6546

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.2	22.8

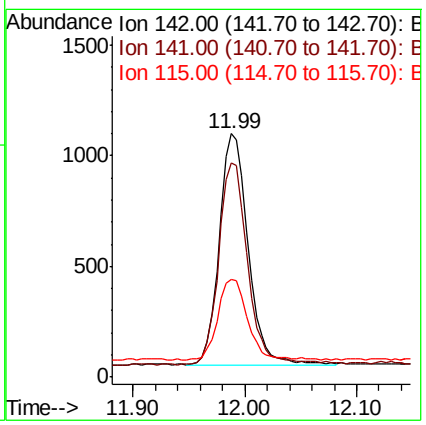


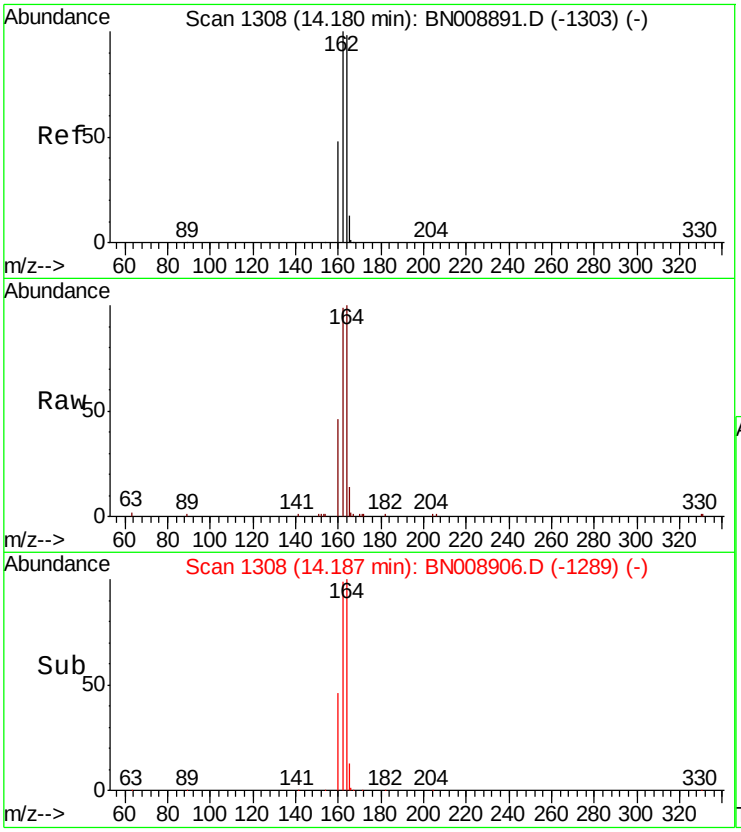


#12
2-Methylnaphthalene
Concen: 0.089 ng
RT: 11.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:142 Resp: 1857

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.3	103.9
115	40.3	27.9	41.9



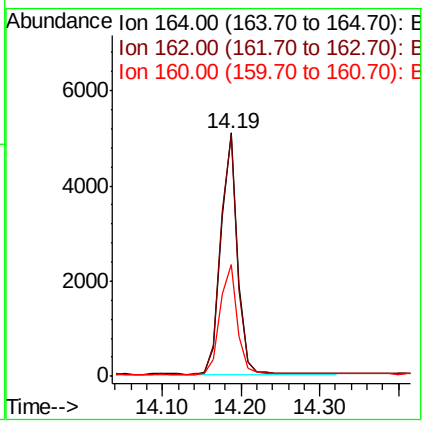


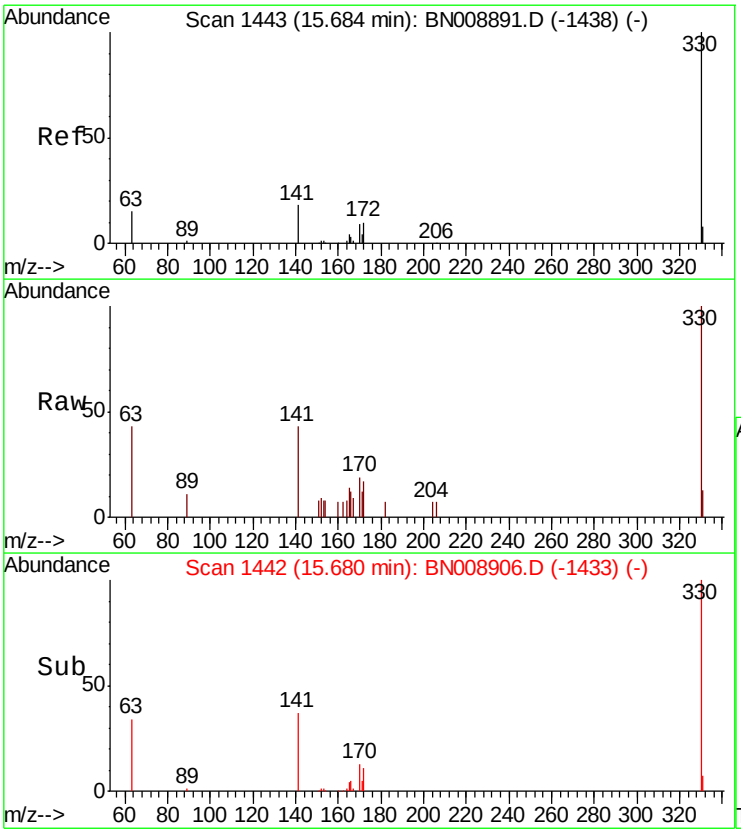
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.19 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:164 Resp: 7534

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.9	122.9
160	46.2	39.3	58.9

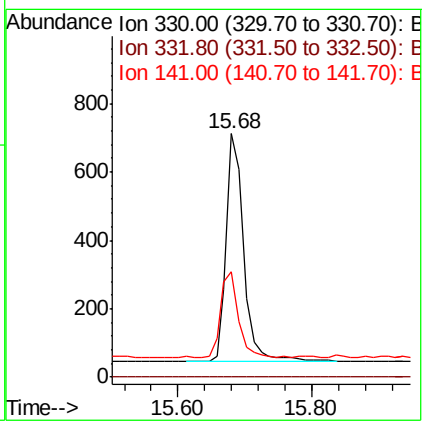


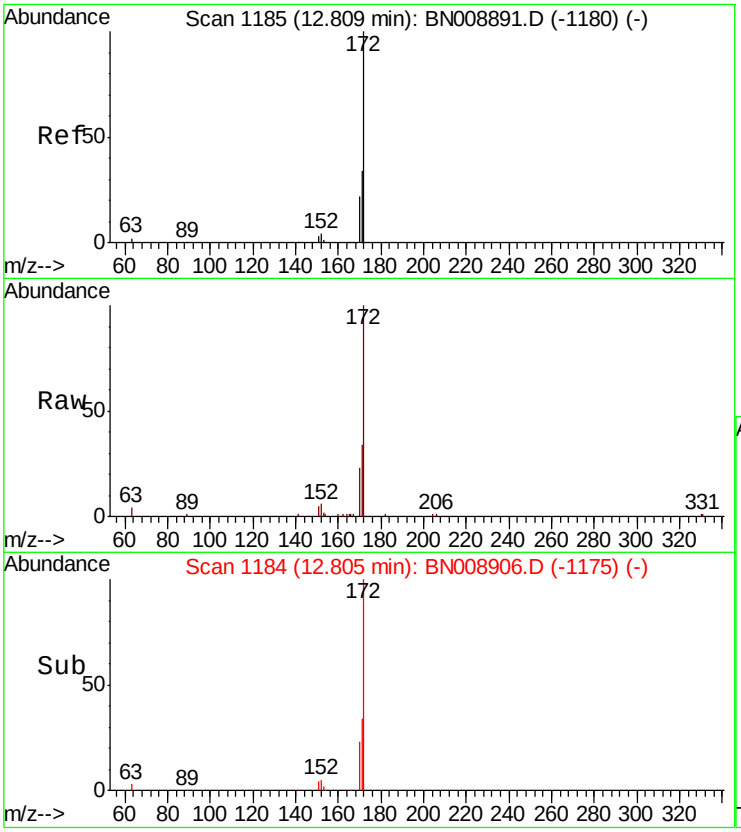


#14
2,4,6-Tribromophenol
Concen: 0.332 ng
RT: 15.68 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:330 Resp: 1199

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.4	29.6	44.4



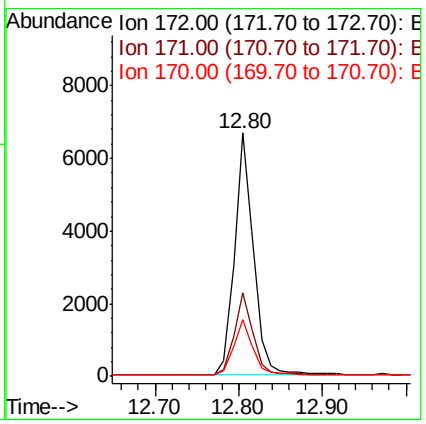


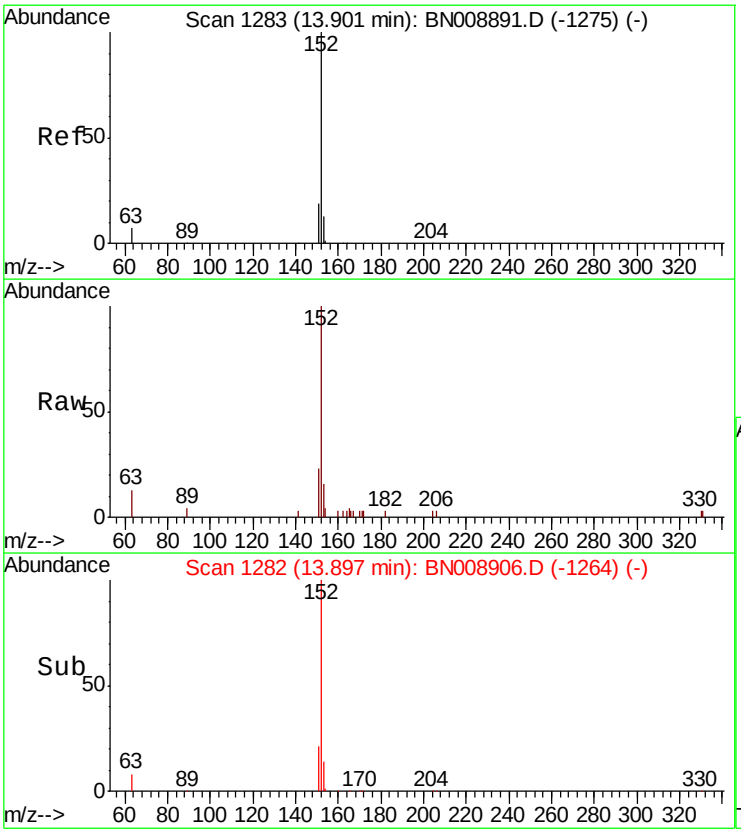
#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.80 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:172 Resp: 10412

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.1	40.7
170	23.3	17.7	26.5

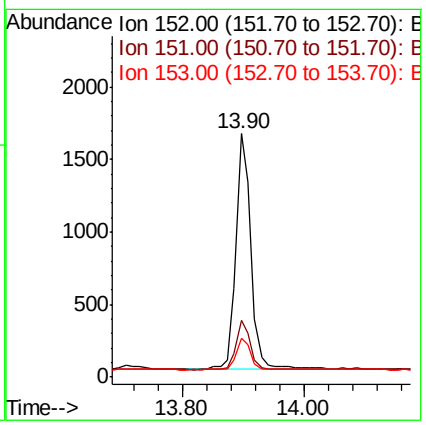


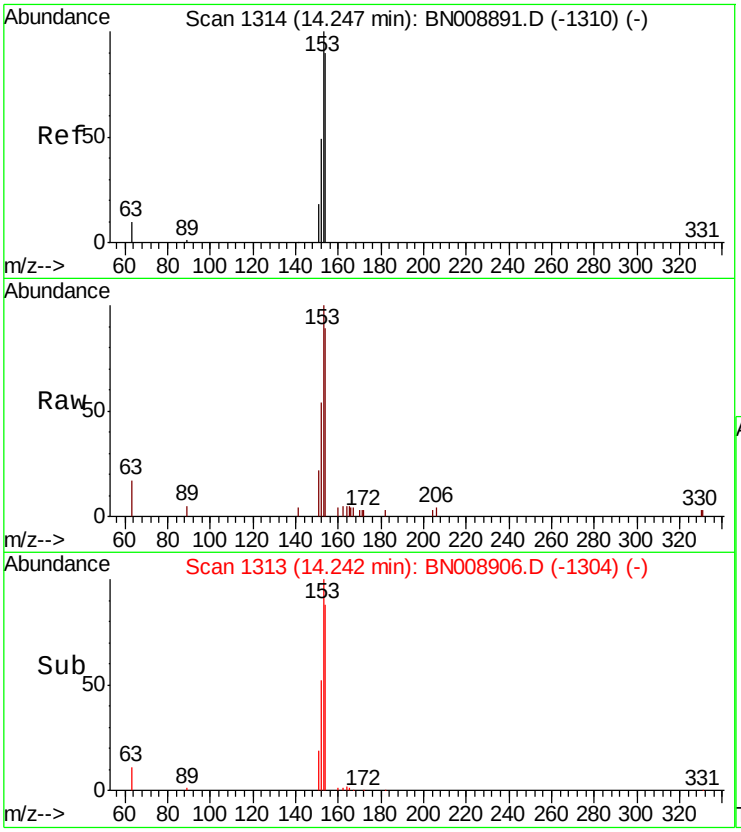


#16
Acenaphthylene
Concen: 0.081 ng
RT: 13.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:152 Resp: 2796

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.3	22.9
153	13.6	10.3	15.5



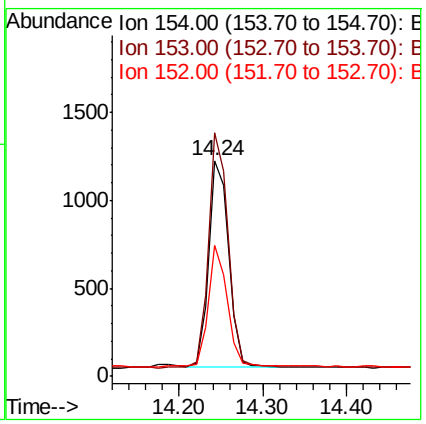


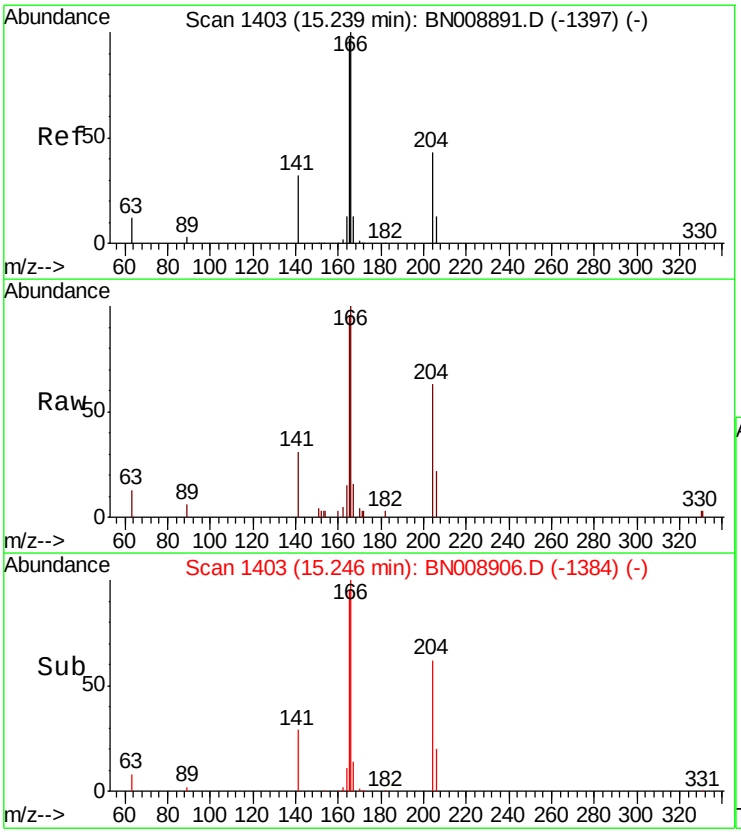
#17
Acenaphthene
Concen: 0.085 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:154 Resp: 1954

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.2	133.8
152	56.5	44.2	66.4

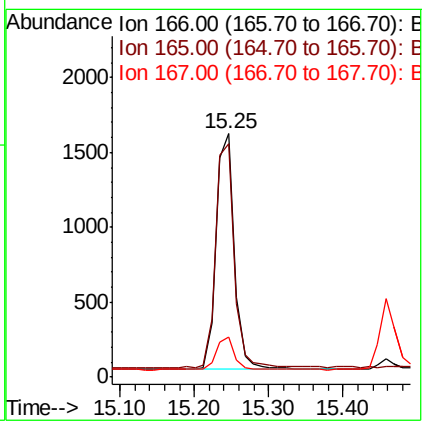


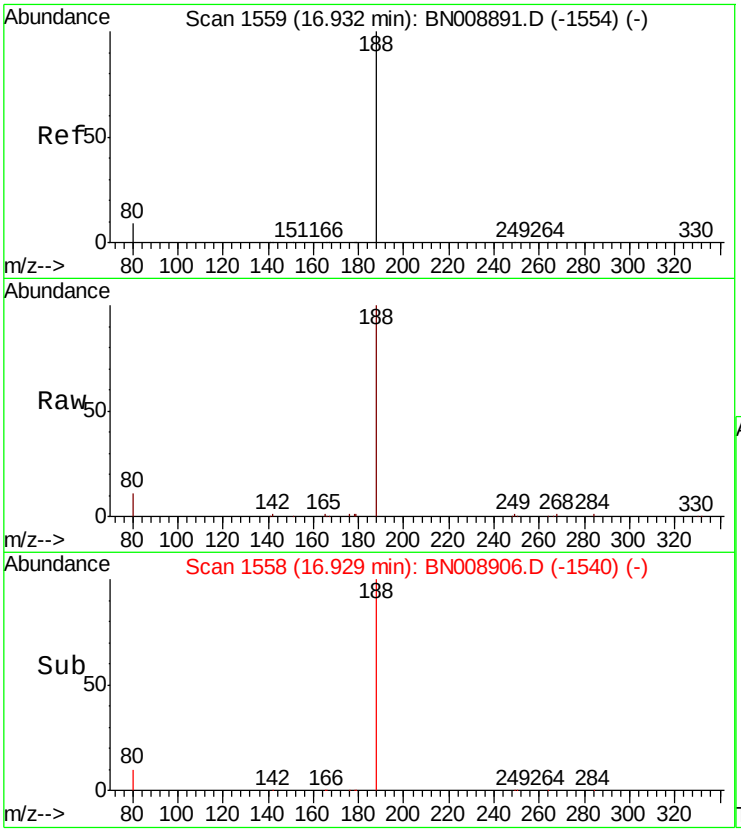


#18
Fluorene
Concen: 0.087 ng
RT: 15.25 min Scan# 1403
Delta R.T. 0.01 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:166 Resp: 2671

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.3	115.9
167	13.9	10.8	16.2



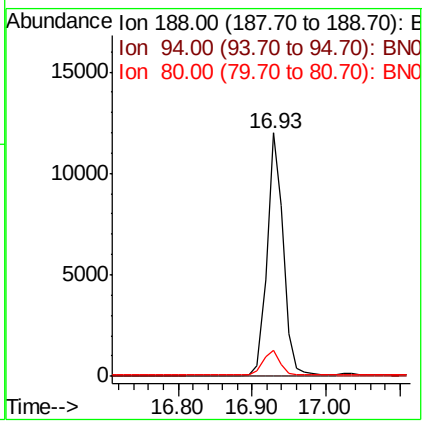


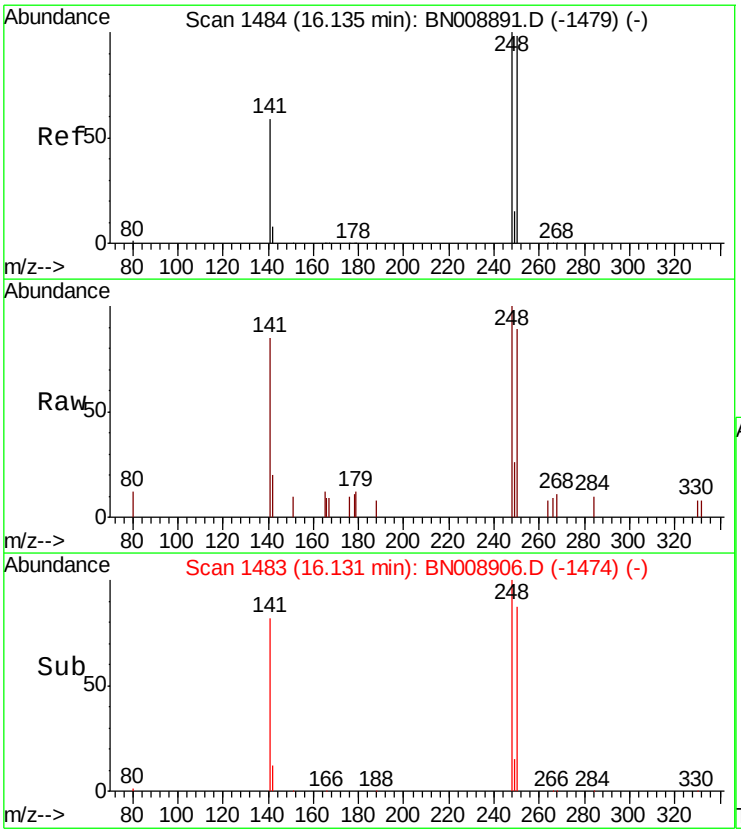
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.93 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:188 Resp: 18065

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	7.3	10.9

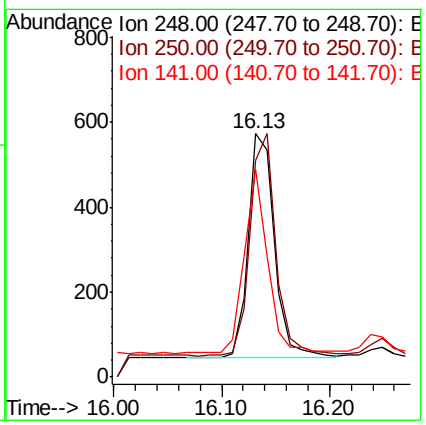


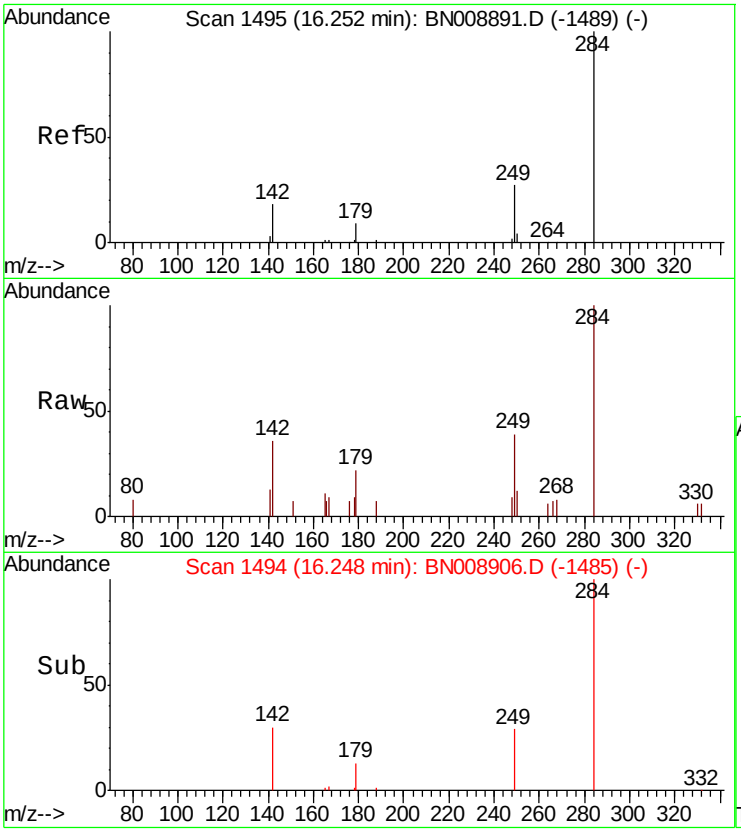


#20
4-Bromophenyl-phenylether
Concen: 0.082 ng
RT: 16.13 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:248 Resp: 890

Ion	Ratio	Lower	Upper
248	100		
250	89.2	78.7	118.1
141	85.3	47.9	71.9#



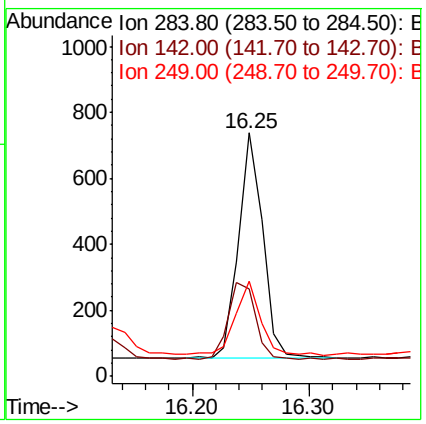


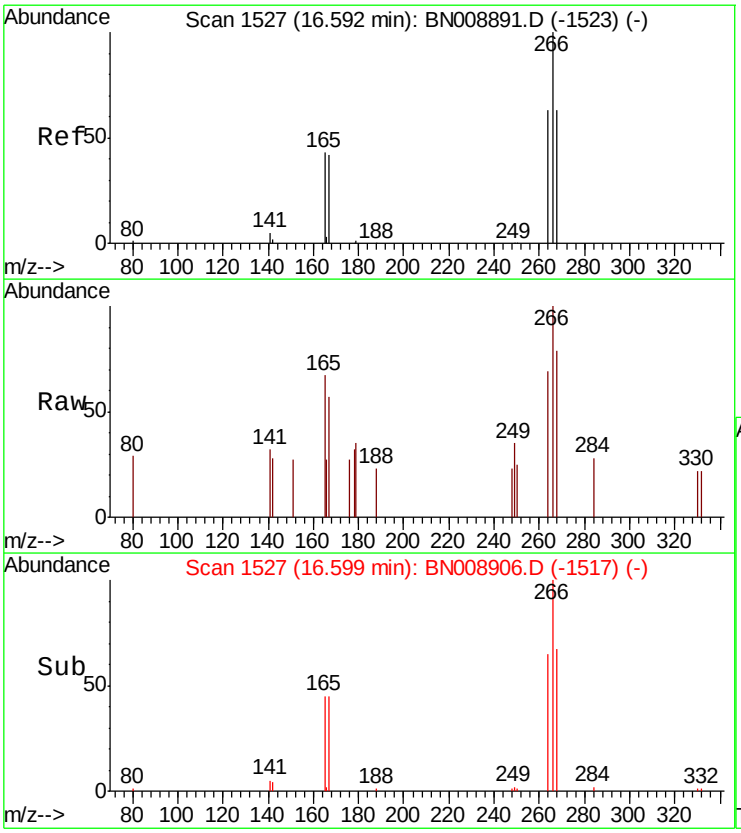
#21
Hexachlorobenzene
Concen: 0.080 ng
RT: 16.25 min Scan# 1494
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:284 Resp: 985

Ion	Ratio	Lower	Upper
284	100		
142	38.4	27.8	41.6
249	33.2	25.3	37.9

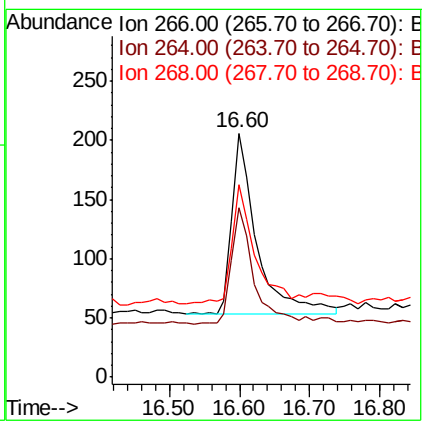


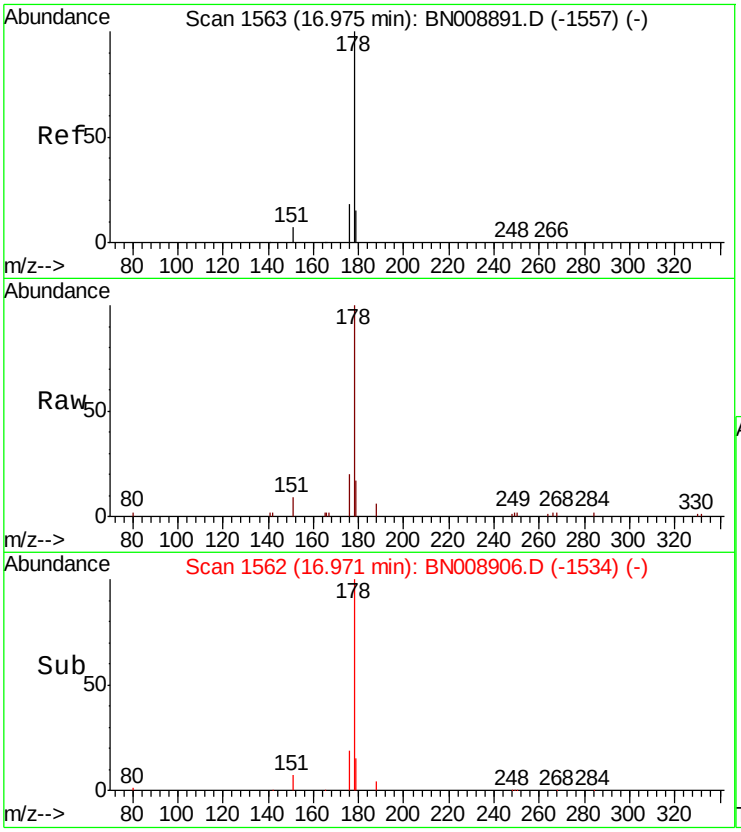


#22
Pentachlorophenol
Concen: 0.085 ng
RT: 16.60 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:266 Resp: 379

Ion	Ratio	Lower	Upper
266	100		
264	69.4	51.5	77.3
268	79.1	53.1	79.7



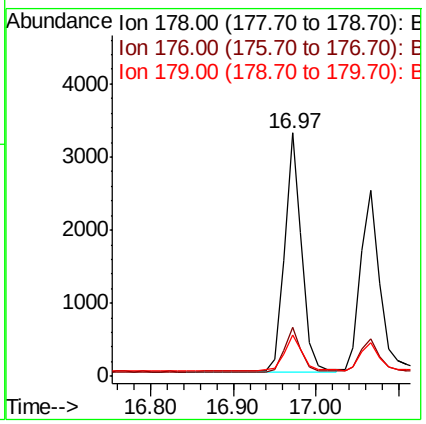


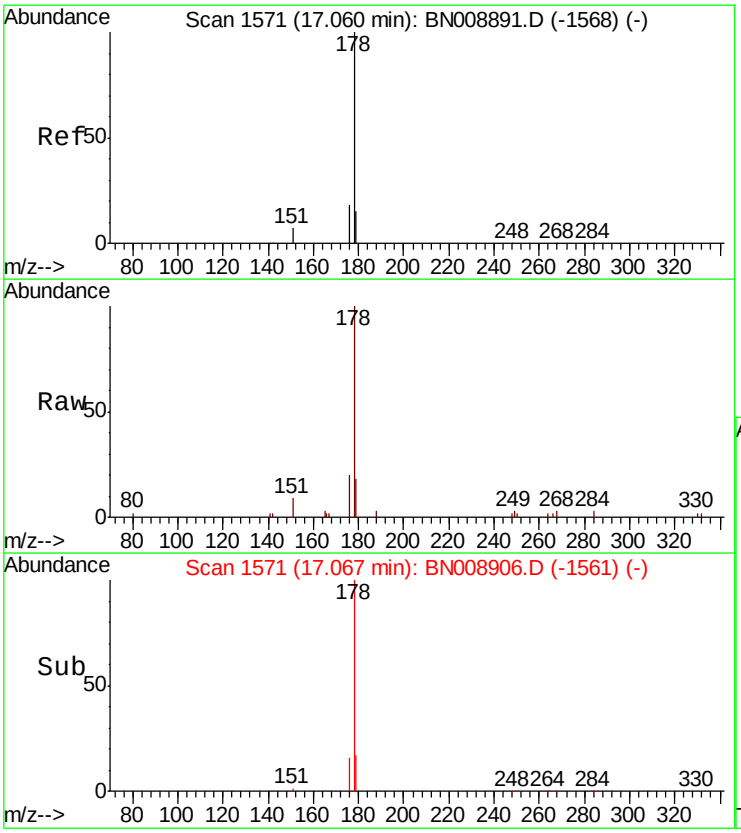
#23
Phenanthrene
Concen: 0.083 ng
RT: 16.97 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:178 Resp: 4733

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	16.2	12.3	18.5

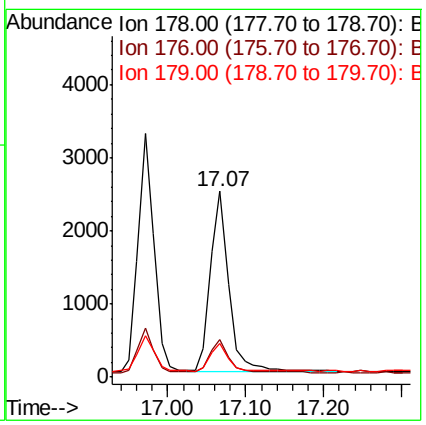


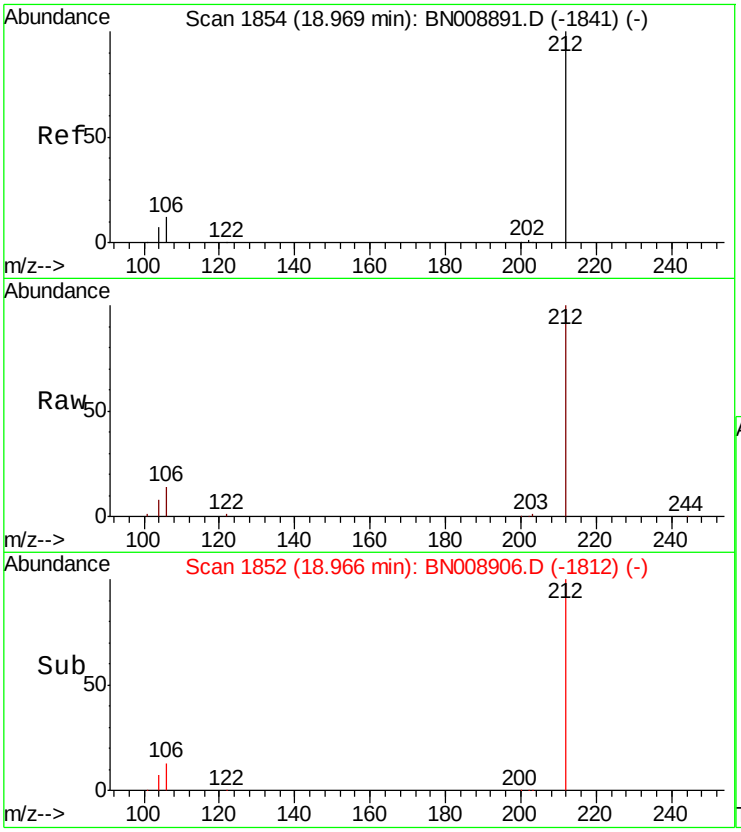


#24
Anthracene
Concen: 0.080 ng
RT: 17.07 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:178 Resp: 3985

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.4	21.6
179	14.7	12.1	18.1



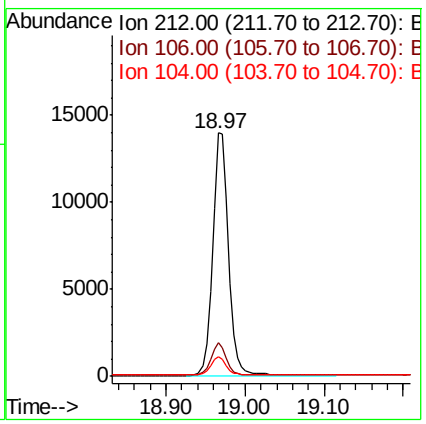


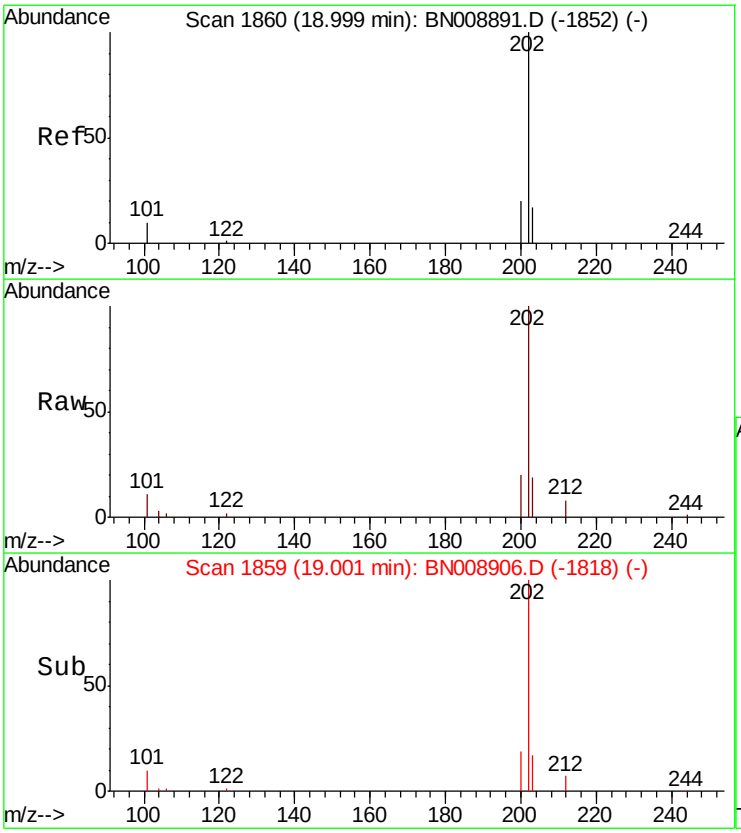
#25
Fluoranthene-d10
Concen: 0.357 ng
RT: 18.97 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:212 Resp: 19535

Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.4	15.6
104	7.2	5.9	8.9

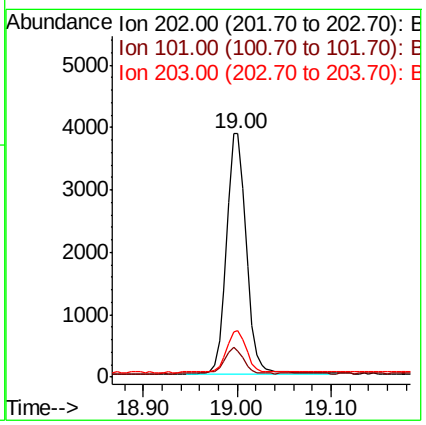


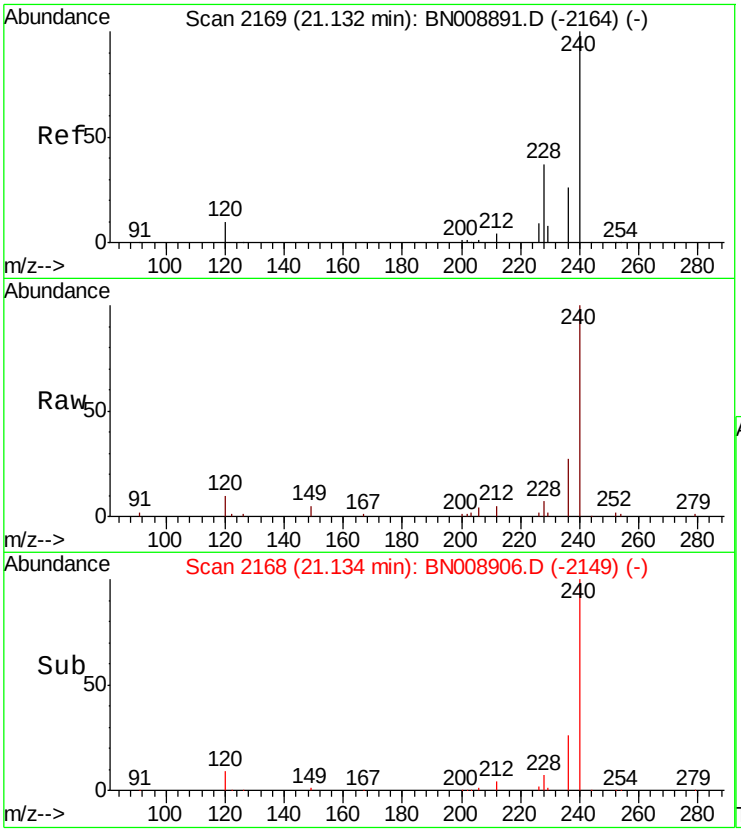


#26
Fluoranthene
Concen: 0.082 ng
RT: 19.00 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:202 Resp: 5581

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2
203	18.3	13.8	20.6



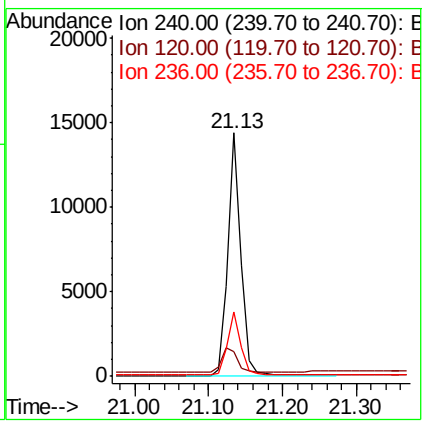


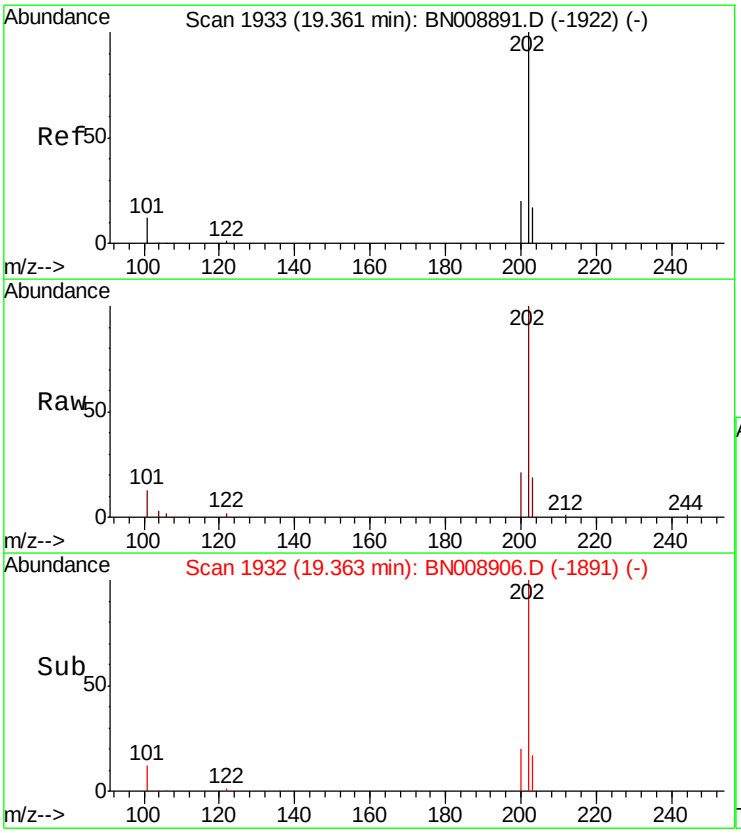
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:240 Resp: 17814

Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.1	13.7
236	26.6	21.5	32.3

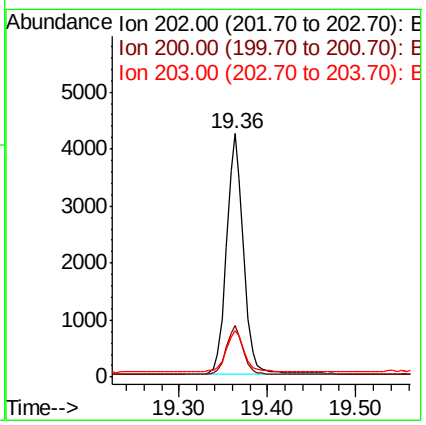


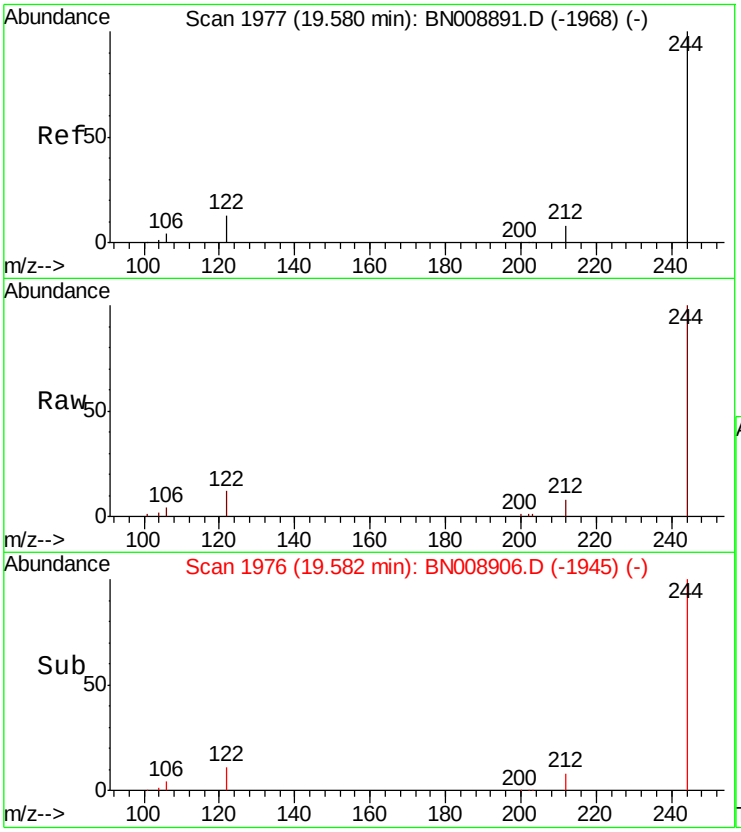


#28
Pyrene
Concen: 0.090 ng
RT: 19.36 min Scan# 1932
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:202 Resp: 5628

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.9	13.9	20.9



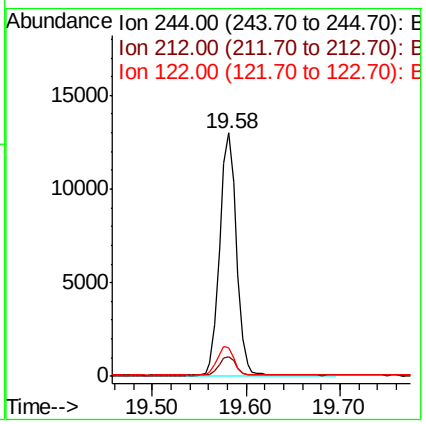


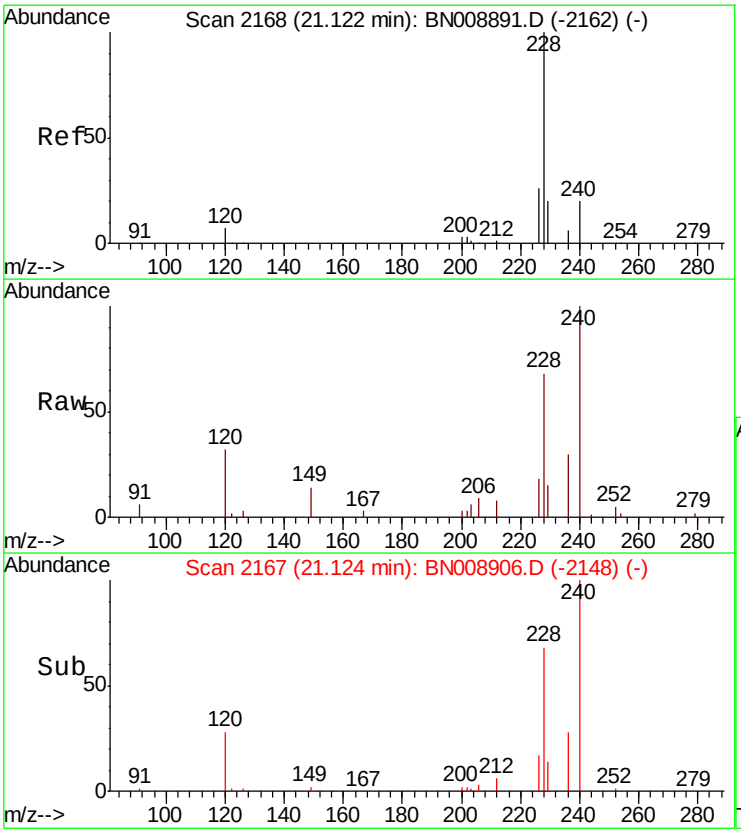
#29
Terphenyl-d14
Concen: 0.393 ng
RT: 19.58 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:244 Resp: 15975

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	11.7	10.4	15.6

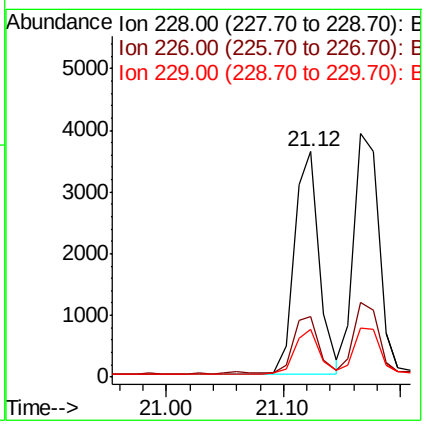


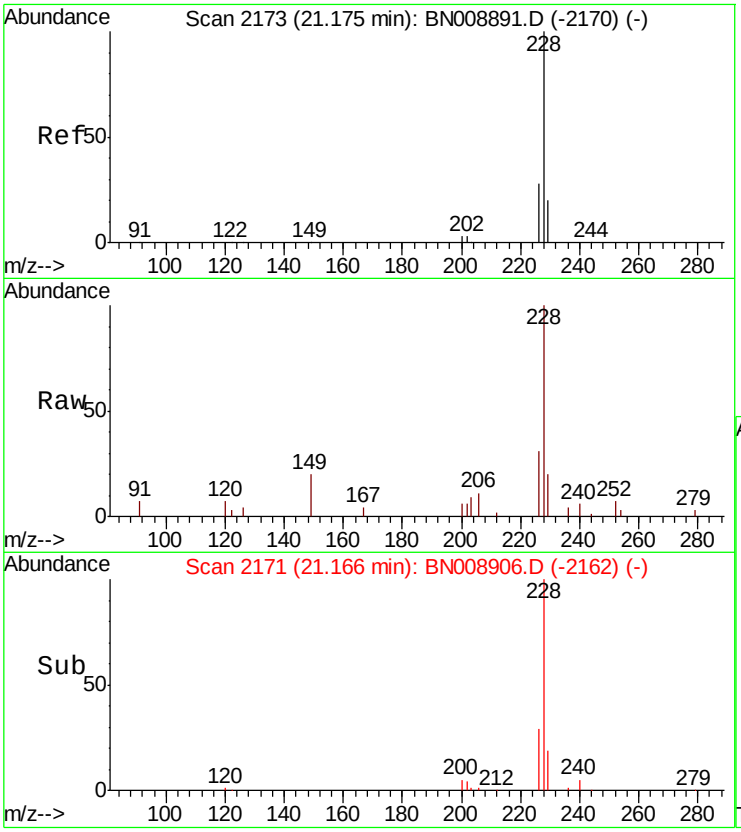


#30
Benzo(a)anthracene
Concen: 0.084 ng
RT: 21.12 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:228 Resp: 5325

Ion	Ratio	Lower	Upper
228	100		
226	26.7	20.6	30.8
229	21.4	15.9	23.9



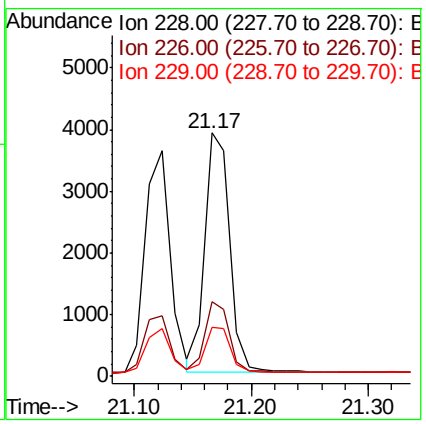


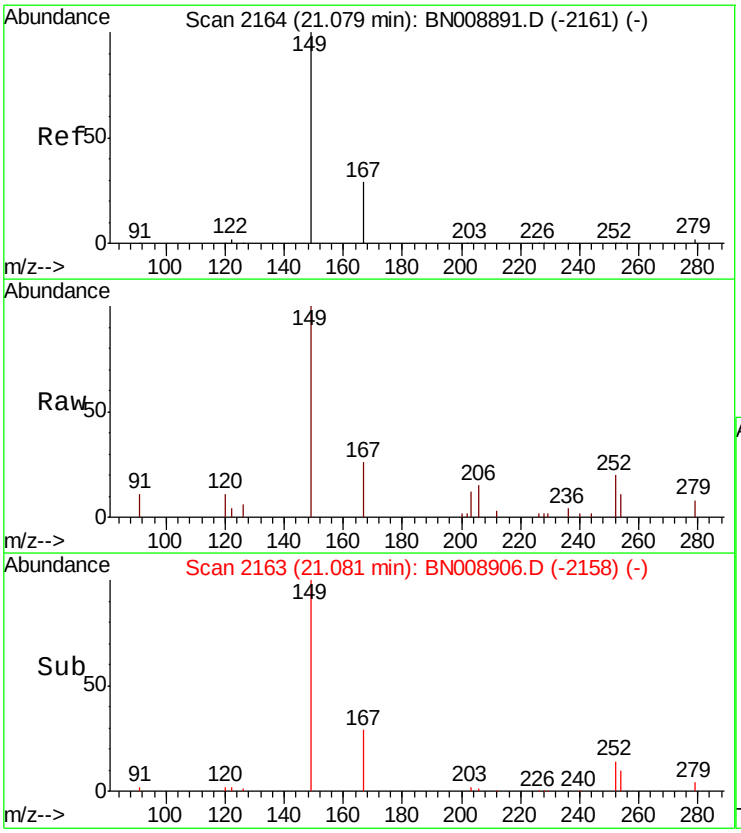
#31
Chrysene
Concen: 0.088 ng
RT: 21.17 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:228 Resp: 5775

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.2	33.4
229	20.0	15.9	23.9

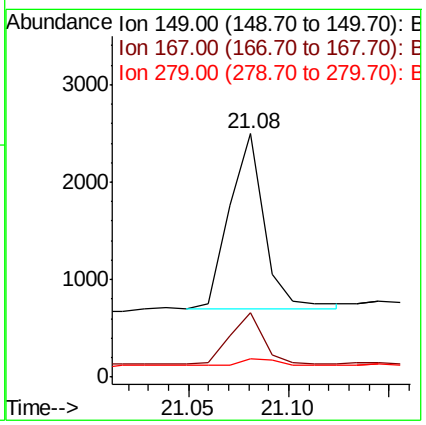


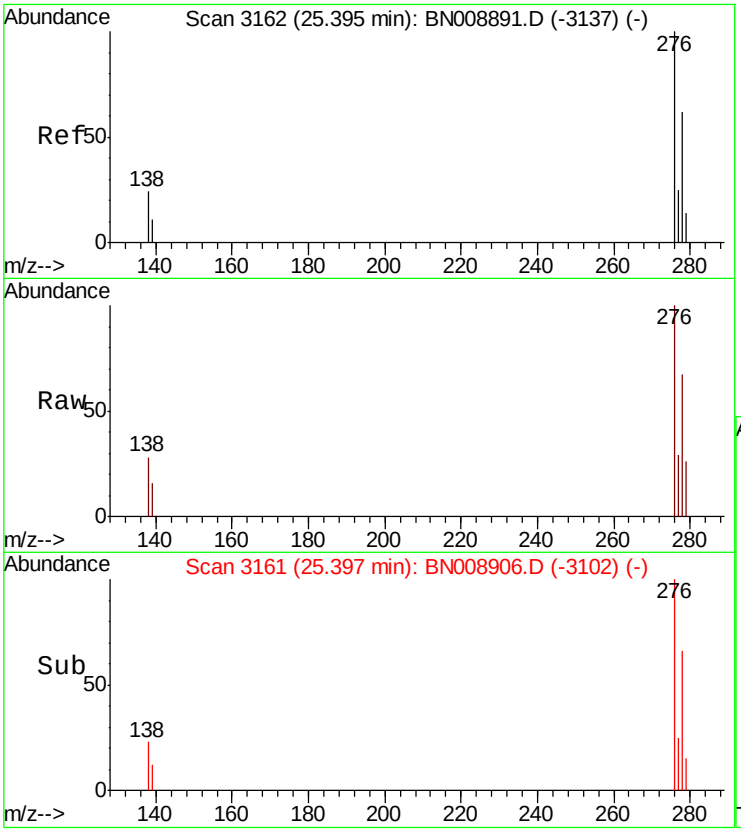


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.074 ng
RT: 21.08 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:149 Resp: 2197

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.7	34.1
279	4.5	3.3	4.9



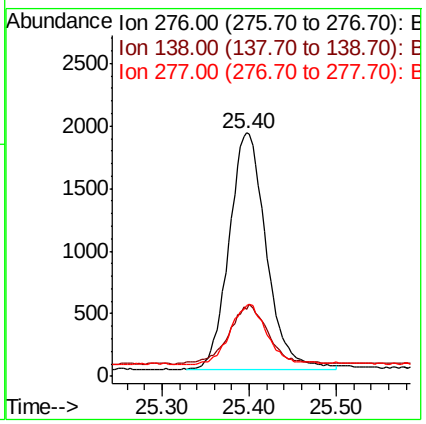


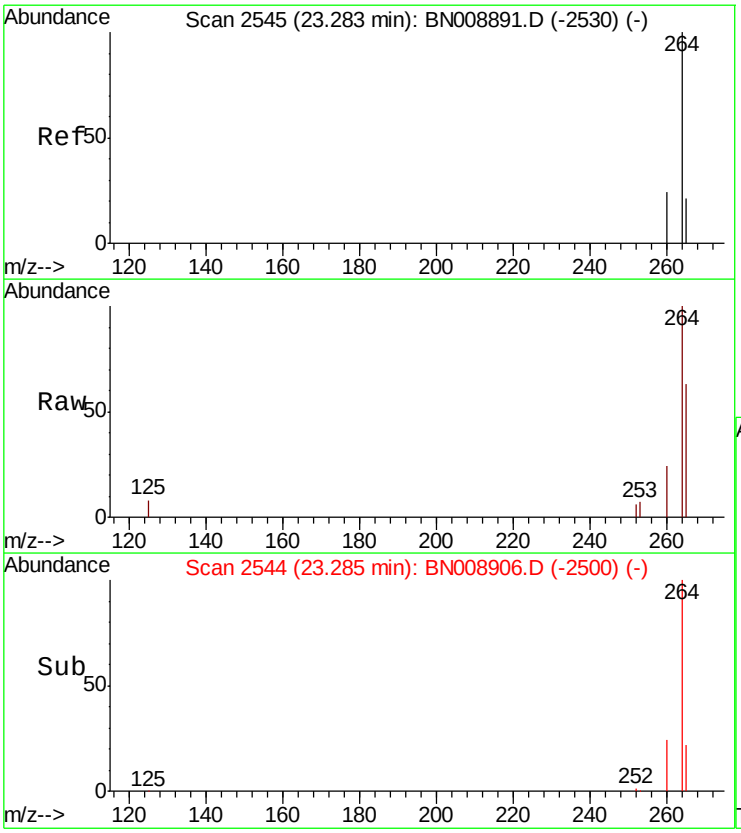
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.080 ng
RT: 25.40 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:276 Resp: 5556

Ion	Ratio	Lower	Upper
276	100		
138	26.3	19.9	29.9
277	25.5	19.8	29.8

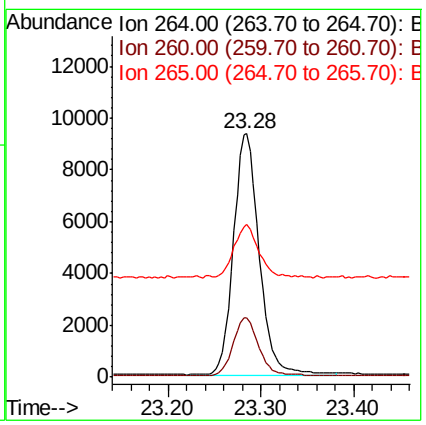


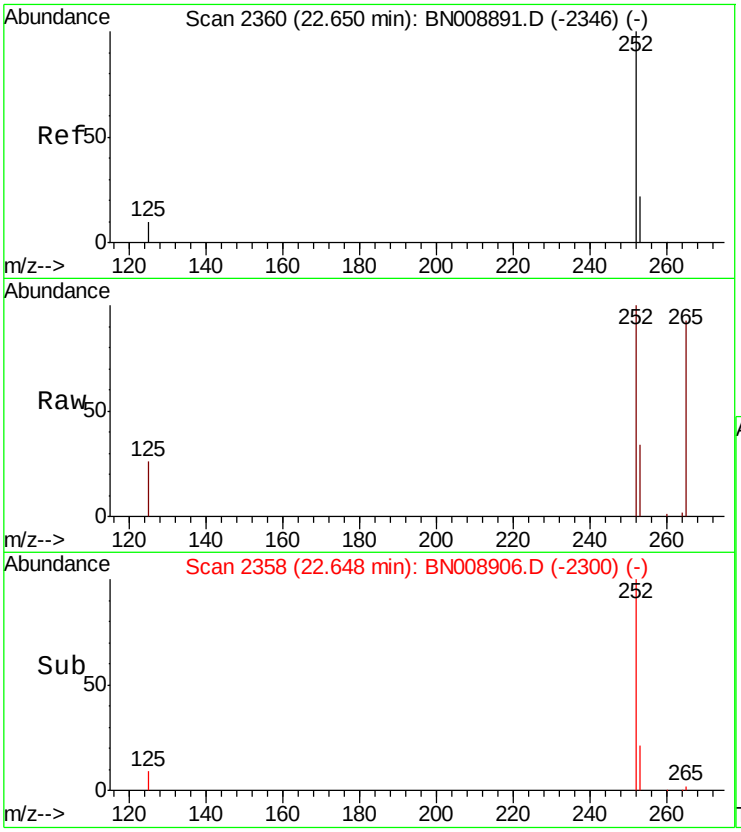


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.28 min Scan# 2544
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:264 Resp: 17915

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	62.7	47.5	71.3



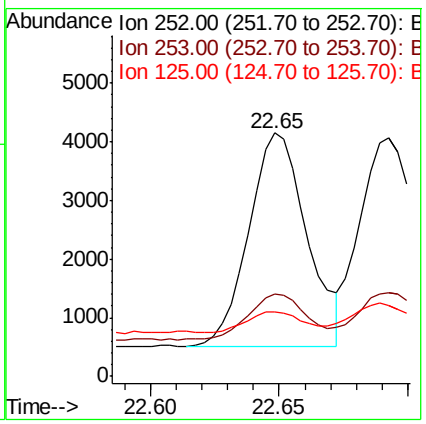


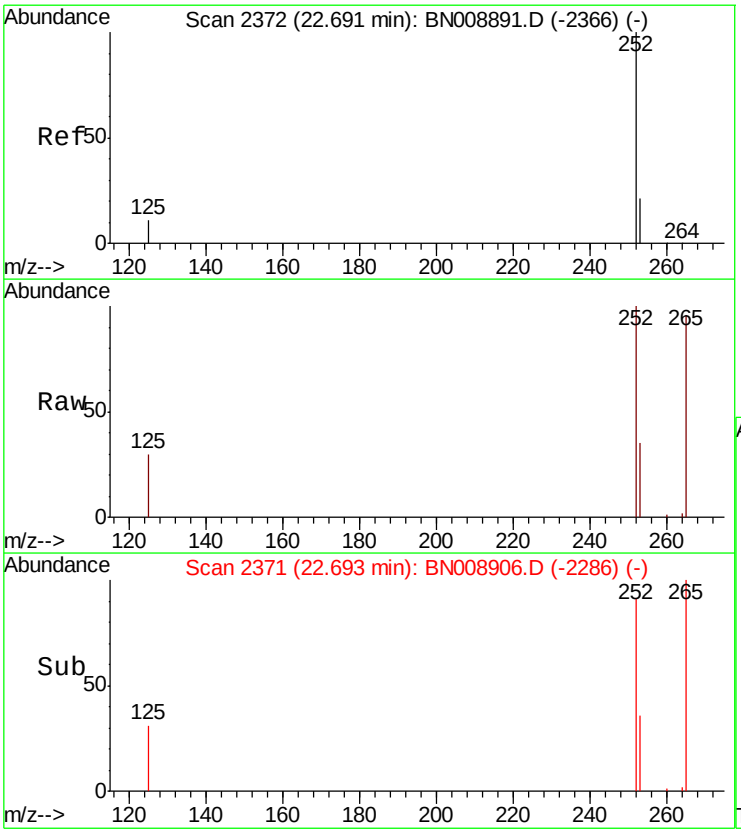
#35
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.65 min Scan# 2358
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:252 Resp: 5724

Ion	Ratio	Lower	Upper
252	100		
253	33.9	19.8	29.6#
125	26.5	10.8	16.2#

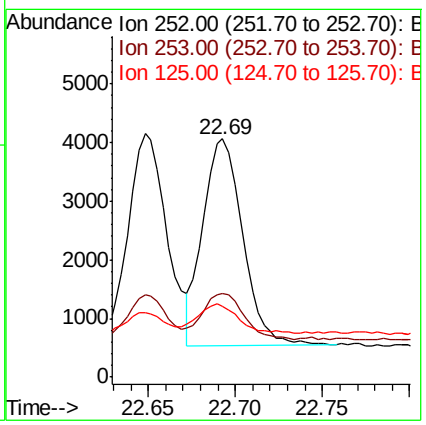


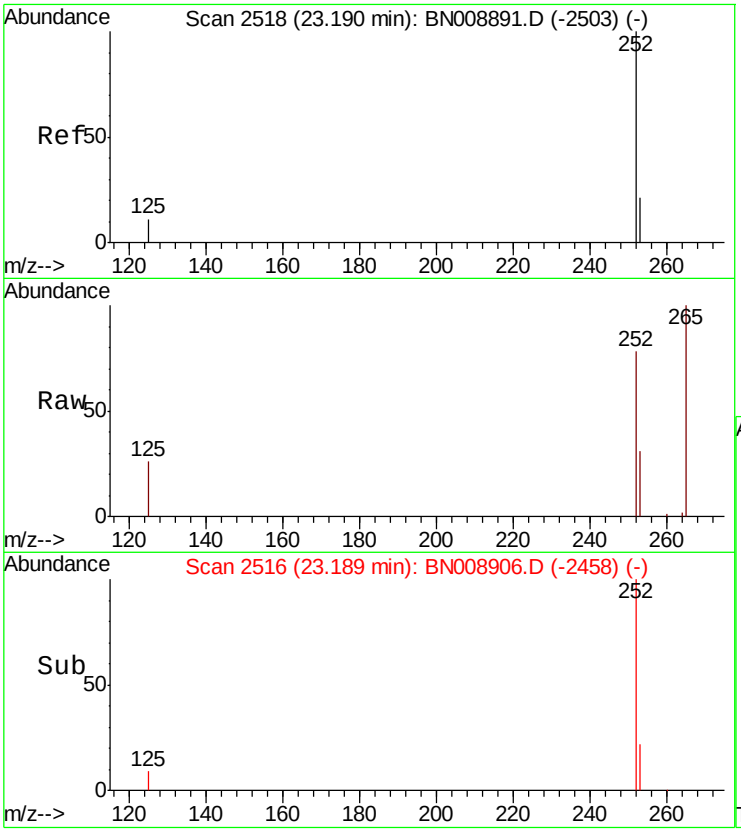


#36
Benzo(k)fluoranthene
Concen: 0.087 ng
RT: 22.69 min Scan# 2371
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:252 Resp: 5590

Ion	Ratio	Lower	Upper
252	100		
253	34.9	19.2	28.8#
125	29.7	11.6	17.4#



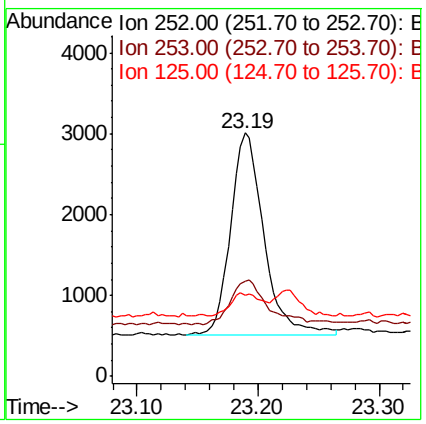


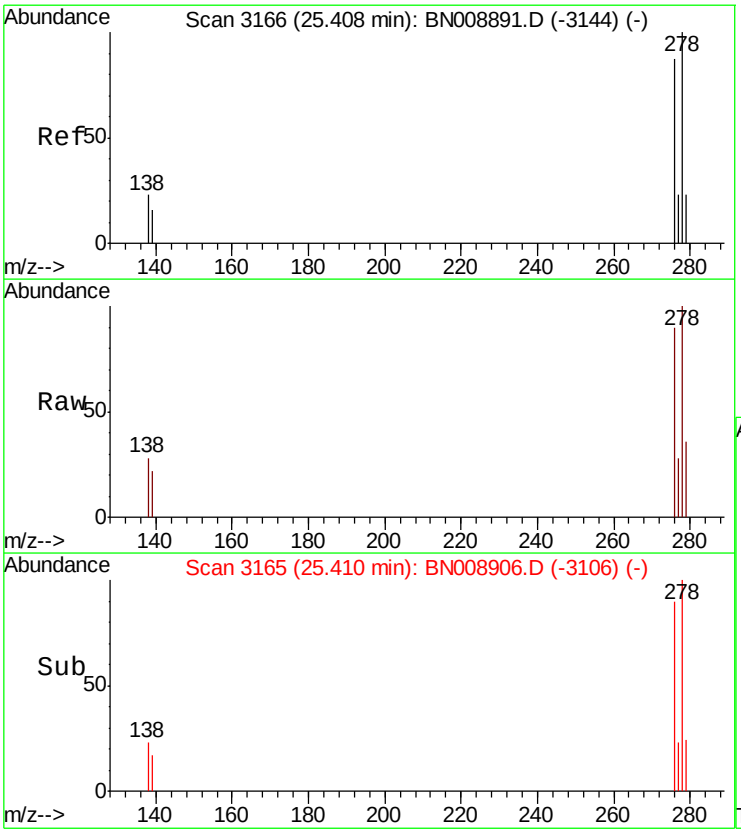
#37
Benzo(a)pyrene
Concen: 0.082 ng
RT: 23.19 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:252 Resp: 4750

Ion	Ratio	Lower	Upper
252	100		
253	39.3	19.9	29.9#
125	33.6	12.3	18.5#

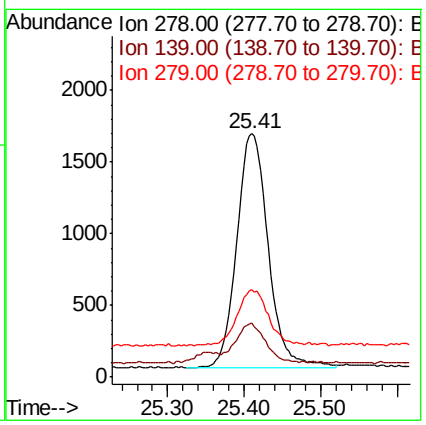


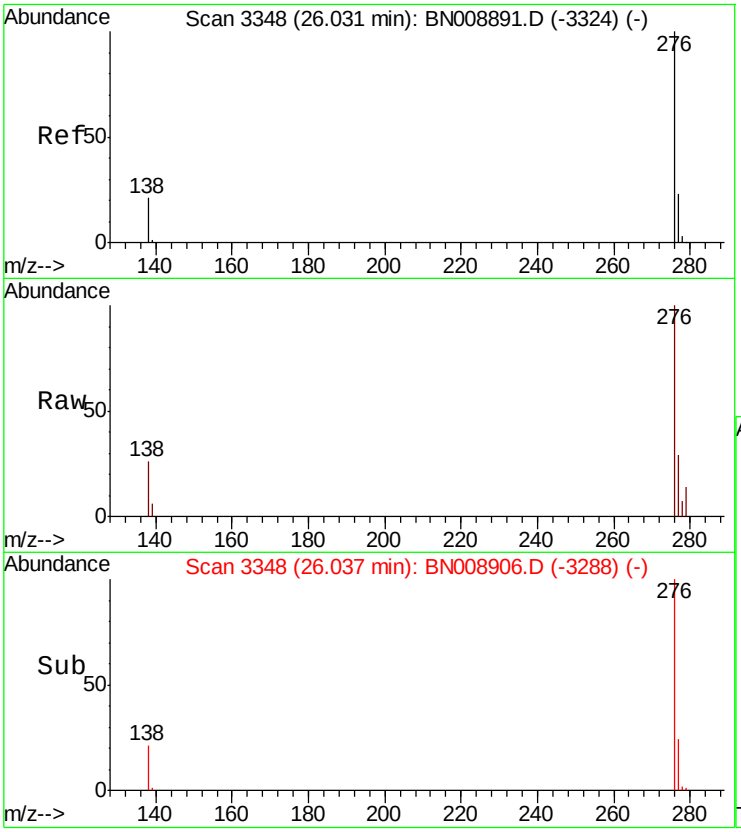


#38
Dibenzo(a,h)anthracene
Concen: 0.086 ng
RT: 25.41 min Scan# 3165
Delta R.T. 0.00 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Tgt Ion:278 Resp: 4622

Ion	Ratio	Lower	Upper
278	100		
139	22.2	13.9	20.9#
279	35.8	20.2	30.4#





#39
Benzo(g,h,i)perylene
Concen: 0.092 ng
RT: 26.04 min Scan# 3348
Delta R.T. 0.01 min
Lab File: BN008906.D
Acq: 10 Dec 2019 15:02

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tgt Ion:276 Resp: 4894

Ion	Ratio	Lower	Upper
276	100		
277	28.8	19.4	29.2
138	26.4	17.8	26.6