Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040219\
Data File : BE099283.D
Acq On : 2 Apr 2019 20:43
Operator : JU/SJ
Sample : K1560-08
Misc : LOQ 0.2 PPM
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-WATER-02-QT1-2019

Quant Time: Apr 03 05:18:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3183	0.40	ng		-0.03
7) Naphthalene-d8	10.61	136	11282	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	7427	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	22327	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	32188	0.40	ng		-0.03
34) Perylene-d12	23.86	264	33562	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2935	0.35	ng		-0.03
5) Phenol-d6	6.97	99	3960	0.34	ng		-0.01
8) Nitrobenzene-d5	8.96	82	2801	0.36	ng		-0.03
11) 2-Methylnaphthalene-d10	12.21	152	6788	0.34	ng		-0.02
14) 2,4,6-Tribromophenol	15.94	330	984	0.29	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	11072	0.38	ng		-0.02
25) Fluoranthene-d10	19.22	212	100407	0.34	ng		-0.02
29) Terphenyl-d14	19.82	244	22849	0.39	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	1045	0.241	ng		95
3) n-Nitrosodimethylamine	3.66	42	332	0.130	ng	#	96
6) bis(2-Chloroethyl)ether	7.24	93	1951	0.187	ng		92
9) Naphthalene	10.65	128	23728	0.193	ng		99
10) Hexachlorobutadiene	10.94	225	1596	0.200	ng		95
12) 2-Methylnaphthalene	12.28	142	3916	0.188	ng		97
16) Acenaphthylene	14.18	152	6135	0.174	ng		99
17) Acenaphthene	14.53	154	4034	0.194	ng		98
18) Fluorene	15.49	166	5631	0.188	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	2406	0.190	ng	#	84
21) Hexachlorobenzene	16.49	284	2372	0.197	ng		99
22) Pentachlorophenol	16.84	266	644	0.129	ng		97
23) Phenanthrene	17.23	178	11297	0.195	ng		99
24) Anthracene	17.32	178	9711	0.178	ng		99
26) Fluoranthene	19.25	202	16060	0.188	ng		98
28) Pyrene	19.61	202	16414	0.193	ng		100
30) Benzo(a)anthracene	21.34	228	18753	0.185	ng		98
31) Chrysene	21.40	228	19682	0.198	ng		97
32) Bis(2-ethylhexyl)phthalate	21.27	149	16284	0.126	ng		100
33) Indeno(1,2,3-cd)pyrene	26.50	276	21486	0.189	ng		97
35) Benzo(b)fluoranthene	23.09	252	18904	0.189	ng		98
36) Benzo(k)fluoranthene	23.14	252	18116	0.186	ng		99
37) Benzo(a)pyrene	23.75	252	17239	0.183	ng		97
38) Dibenzo(a,h)anthracene	26.52	278	17781	0.190	ng		100
39) Benzo(g,h,i)perylene	27.31	276	18116	0.194	ng		98

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

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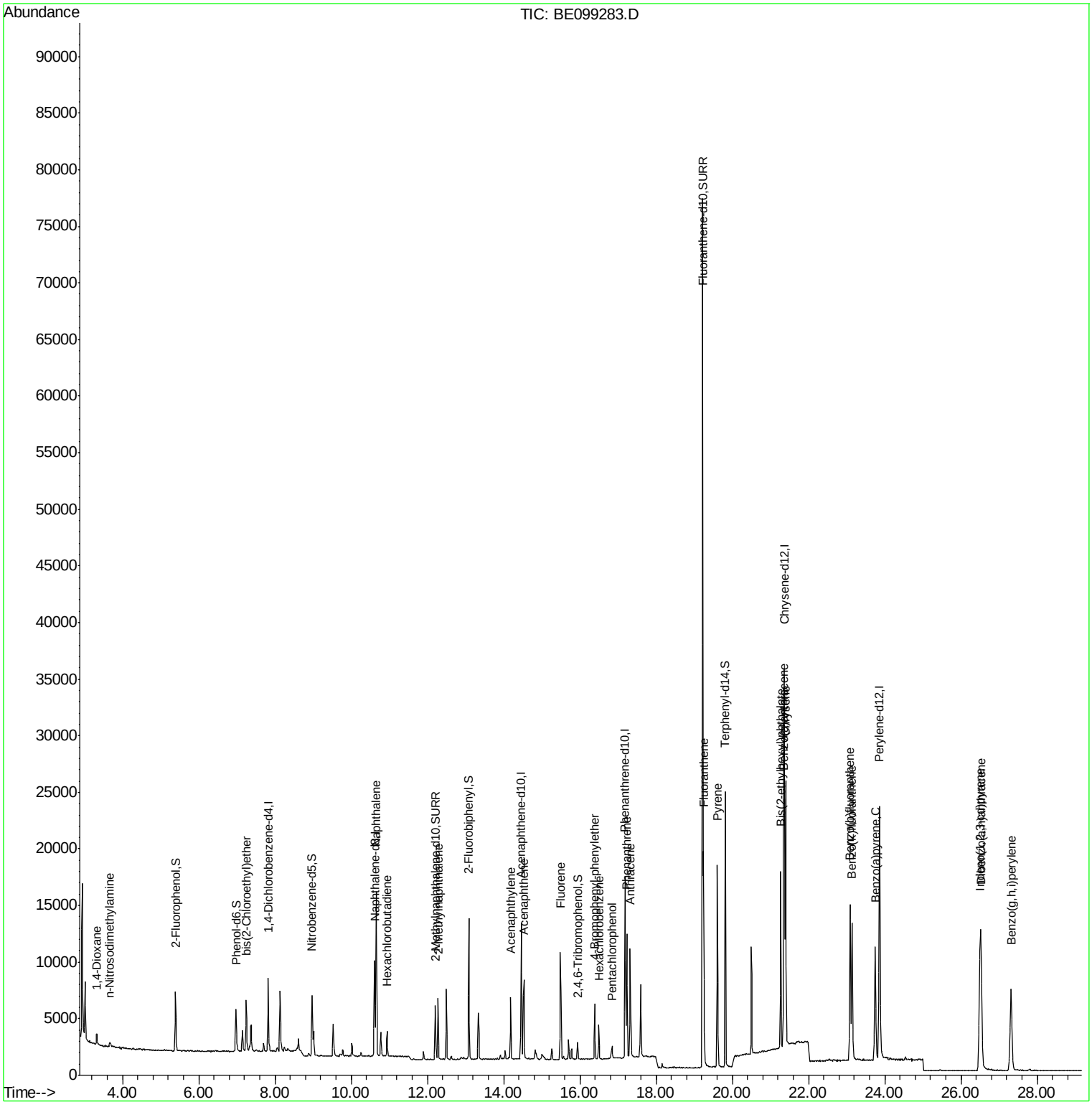
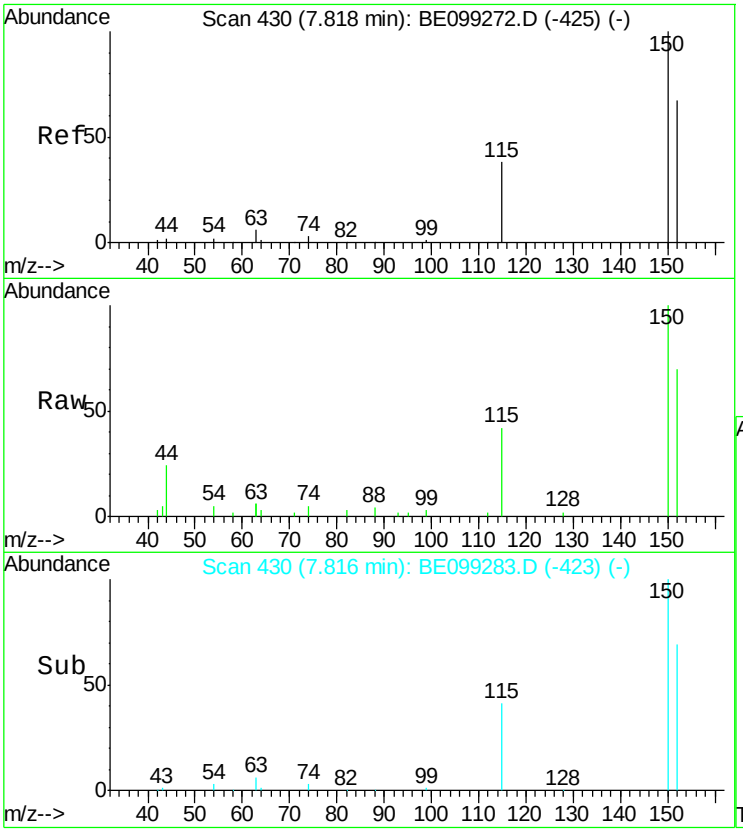
Acq On : 2 Apr 2019 20:43
Operator : JU/SJ
Sample : K1560-08
Misc : LOQ 0.2 PPM
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Quant Time: Apr 03 05:18:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration



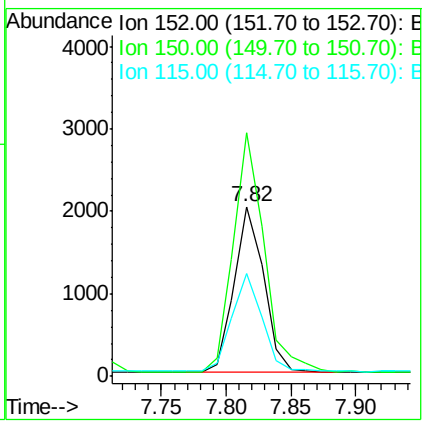


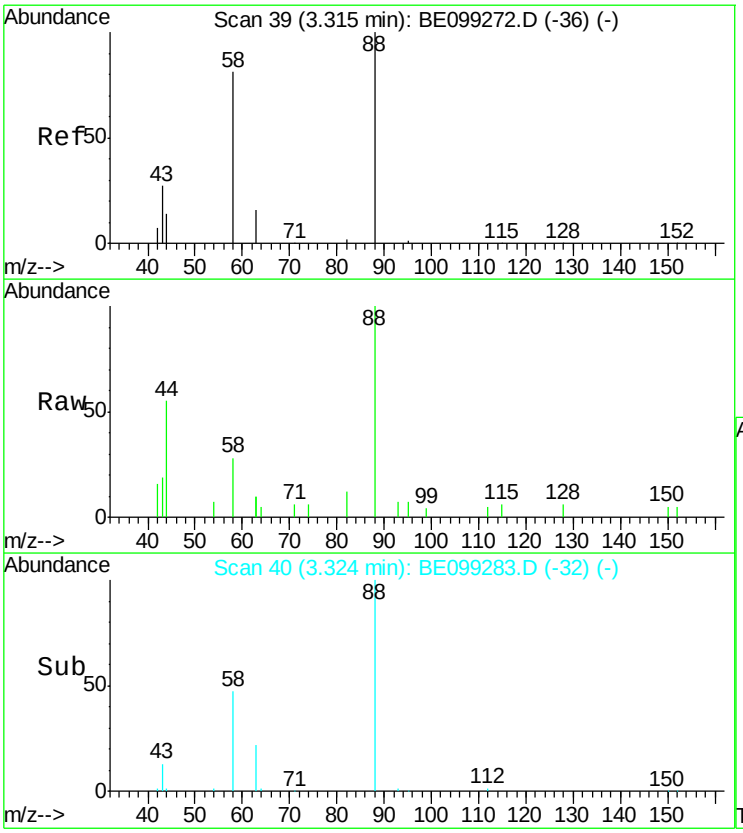
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:152 Resp: 3183

Ion	Ratio	Lower	Upper
152	100		
150	143.6	112.8	169.2
115	61.0	45.1	67.7

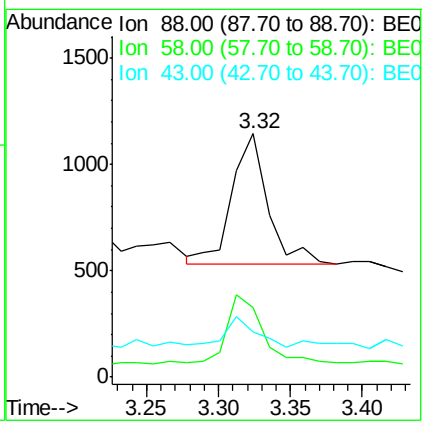


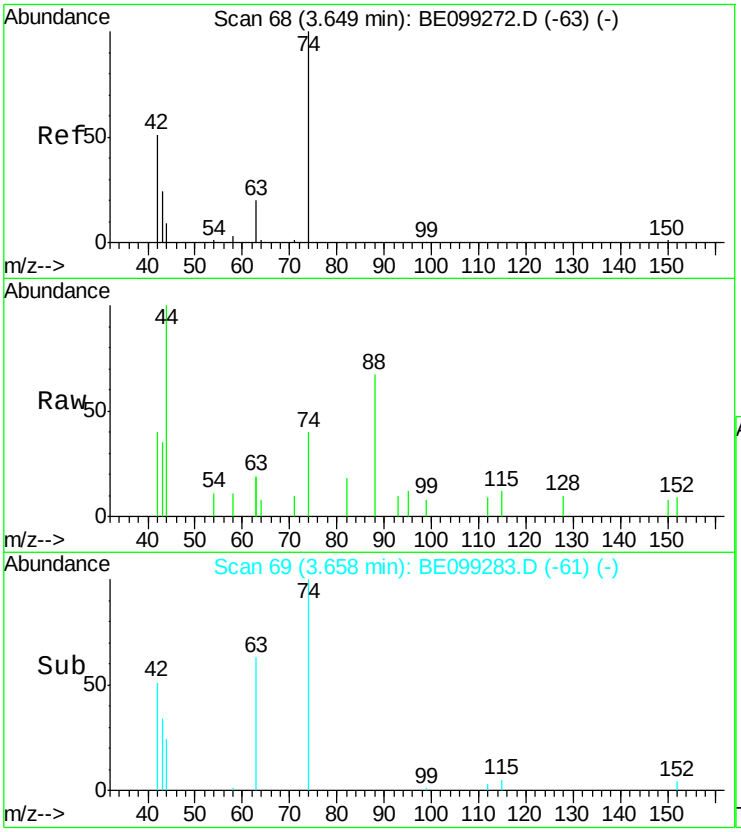


#2
1,4-Dioxane
Concen: 0.241 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion: 88 Resp: 1045

Ion	Ratio	Lower	Upper
88	100		
58	54.9	47.4	71.0
43	20.9	15.6	23.4



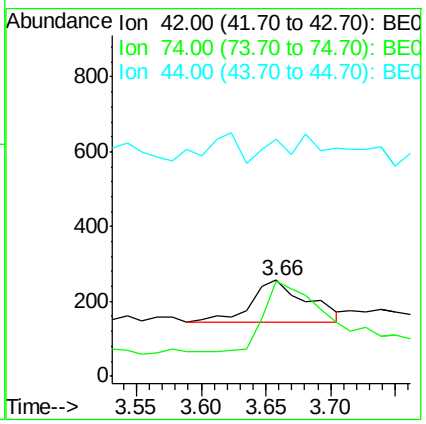


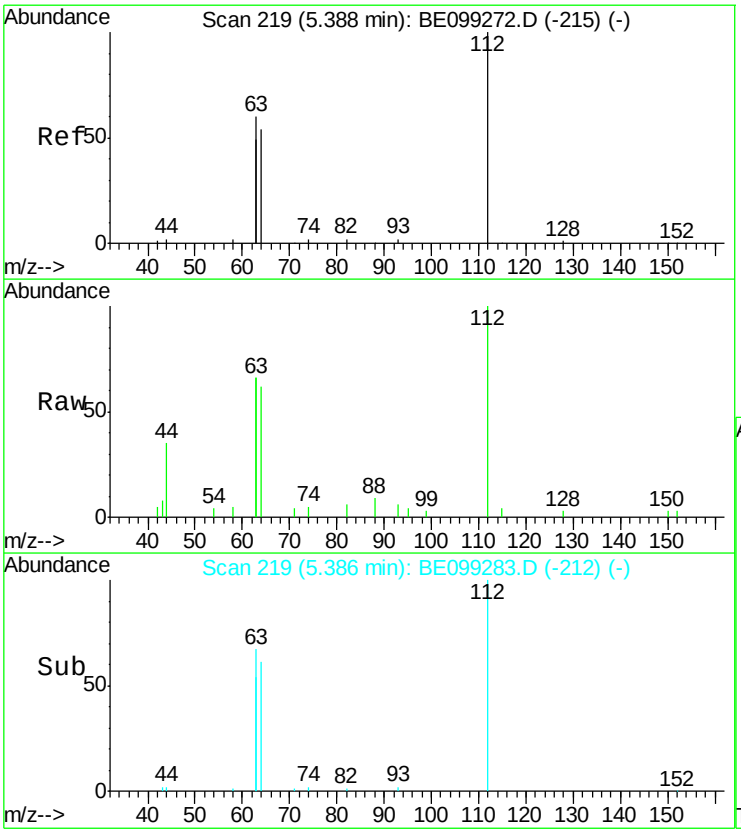
#3
n-Nitrosodimethylamine
Concen: 0.130 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 42 Resp: 332

Ion	Ratio	Lower	Upper
42	100		
74	175.9	138.6	207.8
44	27.4	15.0	22.6#

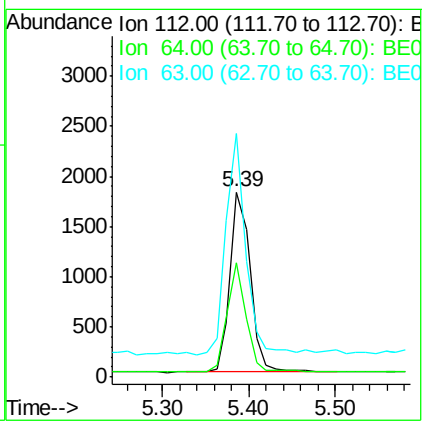


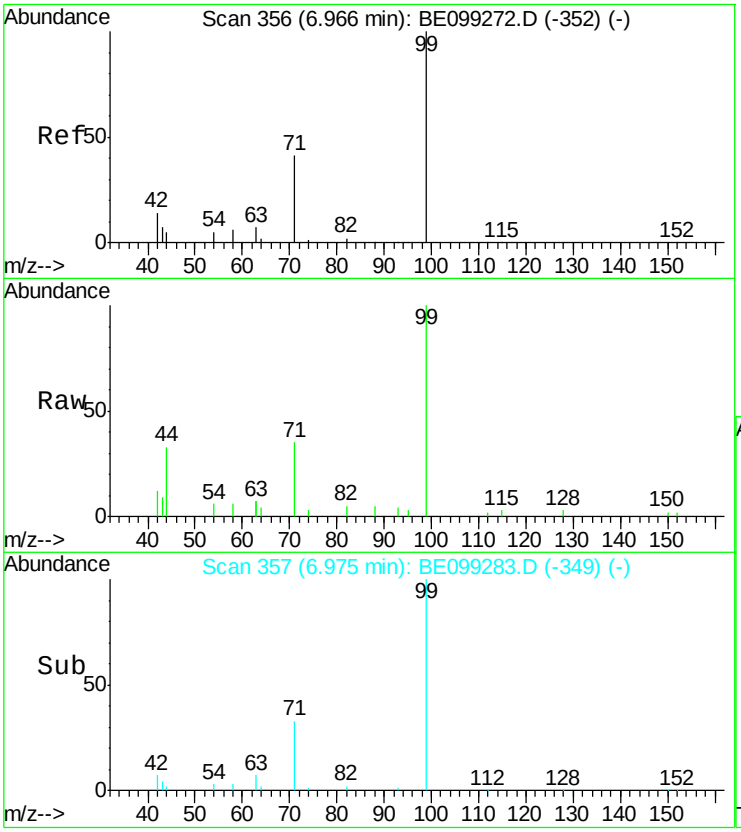


#4
2-Fluorophenol
Concen: 0.347 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:112 Resp: 2935

Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.2	69.2
63	119.3	89.9	134.9



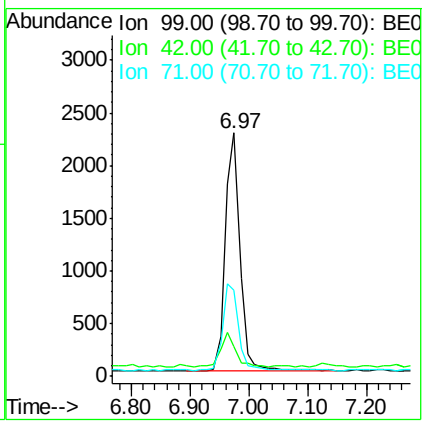


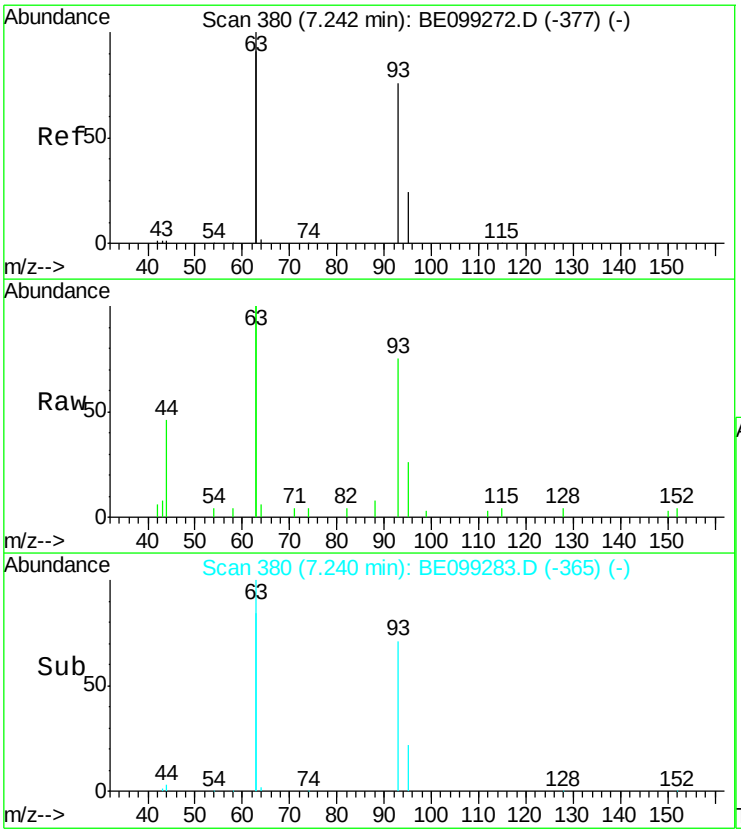
#5
Phenol-d6
Concen: 0.341 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 99 Resp: 3960

Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.4	18.6
71	38.1	28.4	42.6

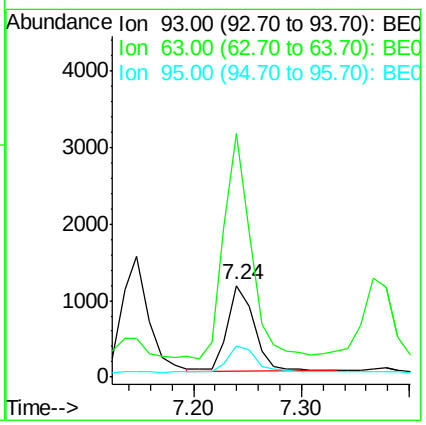


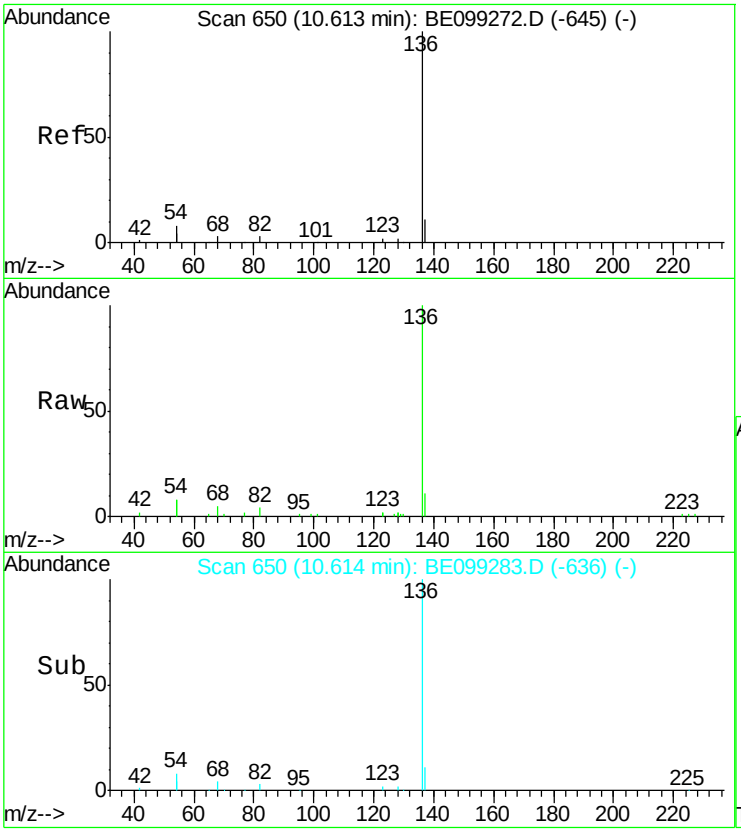


#6
bis(2-Chloroethyl)ether
Concen: 0.187 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion: 93 Resp: 1951

Ion	Ratio	Lower	Upper
93	100		
63	259.6	221.4	332.0
95	33.4	25.8	38.8



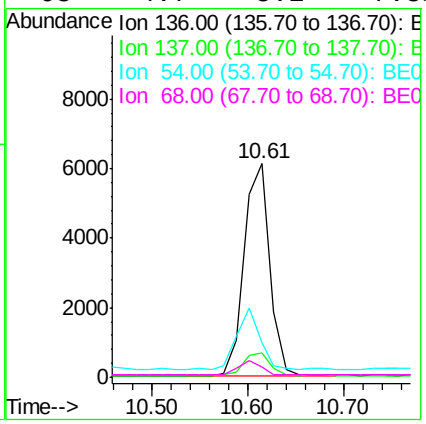


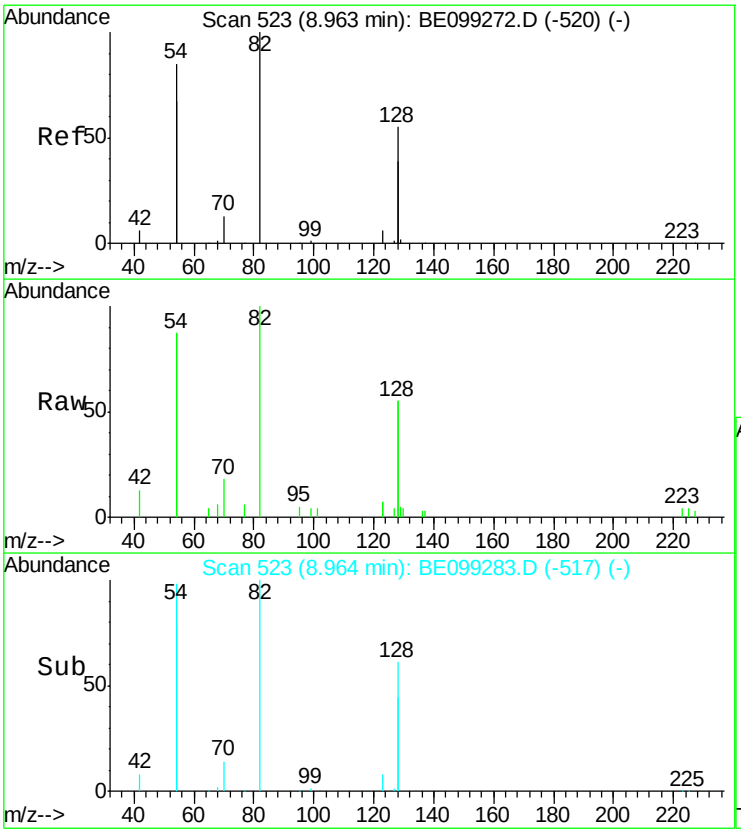
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:136 Resp: 11282

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	16.2	18.7	28.1#
68	4.7	5.2	7.8#

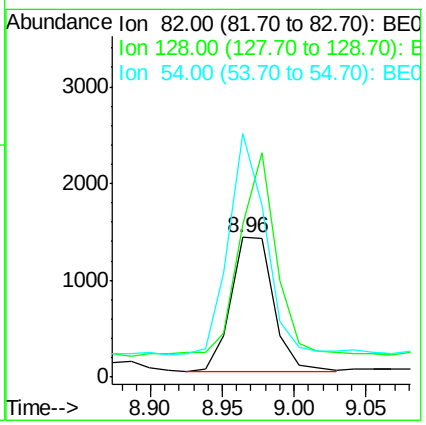


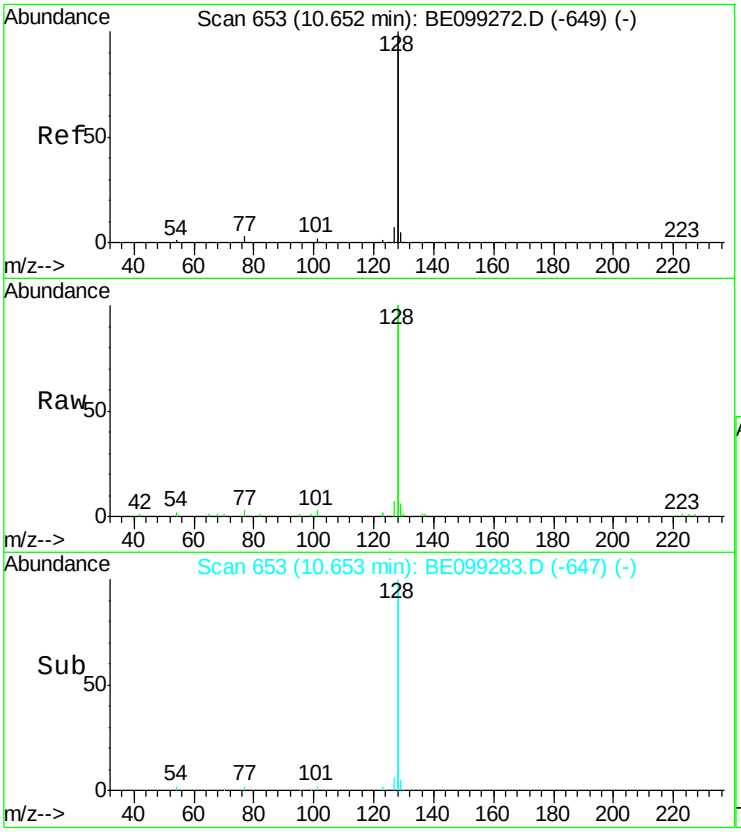


#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion: 82 Resp: 2801

Ion	Ratio	Lower	Upper
82	100		
128	109.2	107.5	161.3
54	174.6	106.3	159.5#



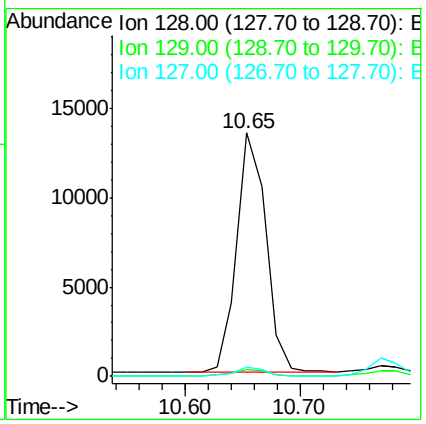


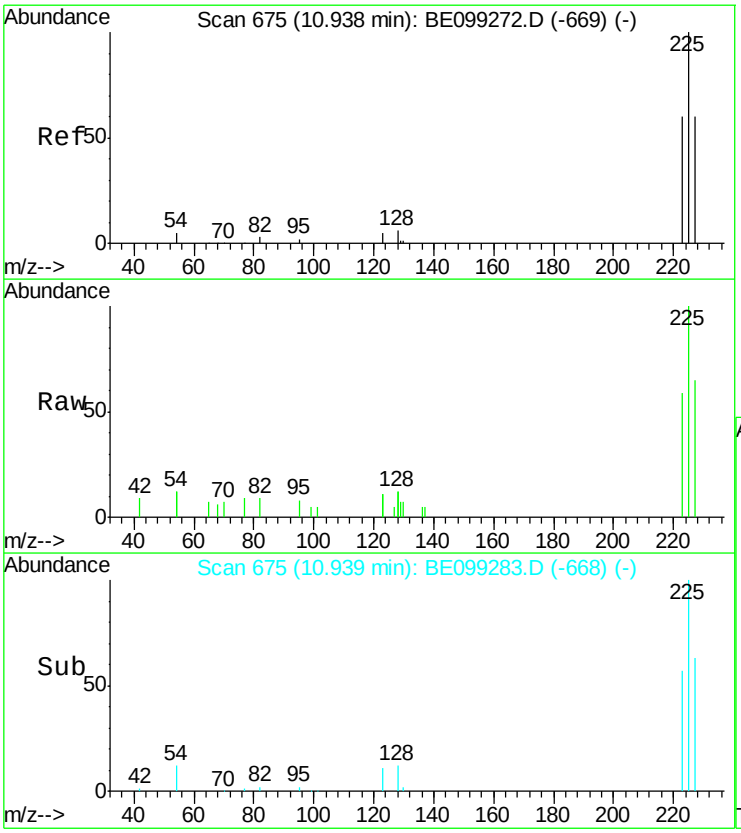
#9
Naphthalene
Concen: 0.193 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:128 Resp: 23728

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.6	2.6	3.8

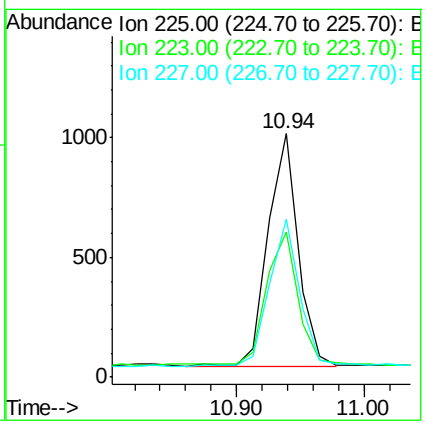


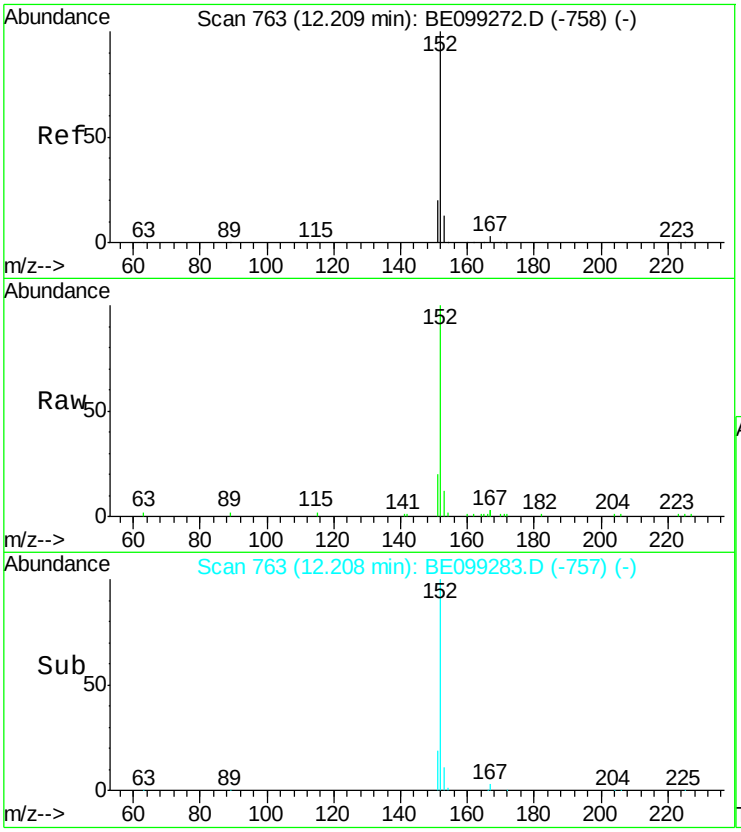


#10
Hexachlorobutadiene
Concen: 0.200 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:225 Resp: 1596

Ion	Ratio	Lower	Upper
225	100		
223	58.2	51.3	76.9
227	62.4	48.6	73.0



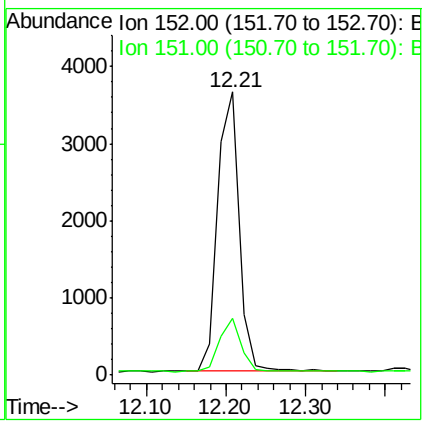


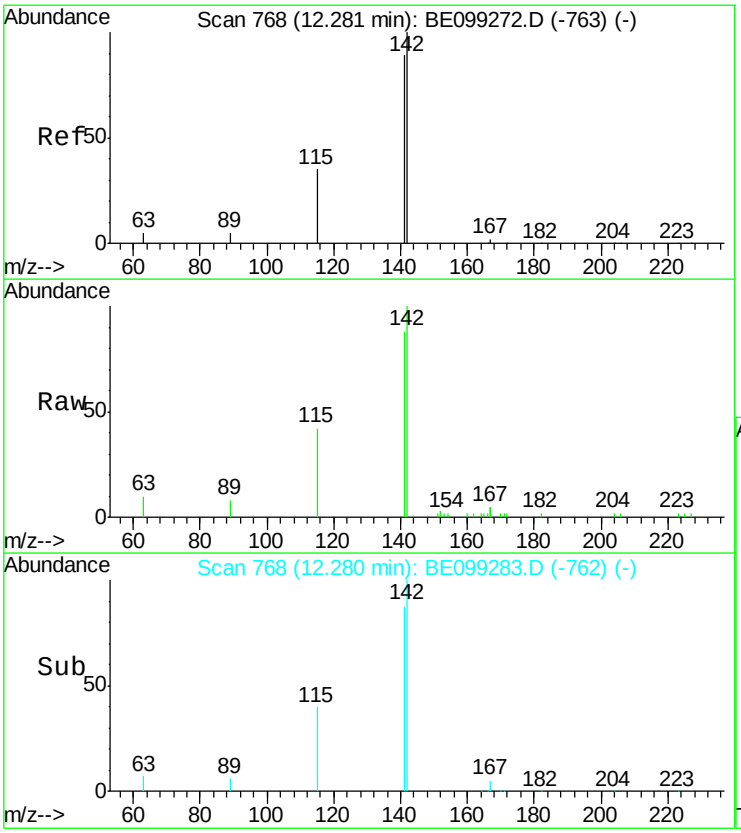
#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:152 Resp: 6788

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.6

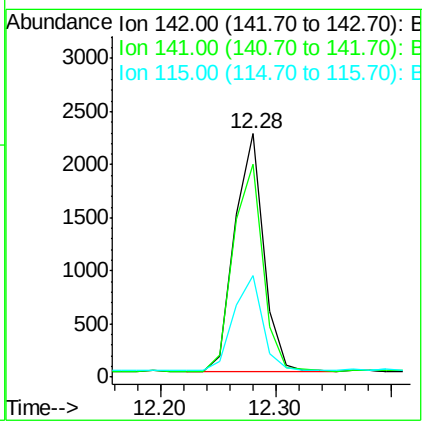


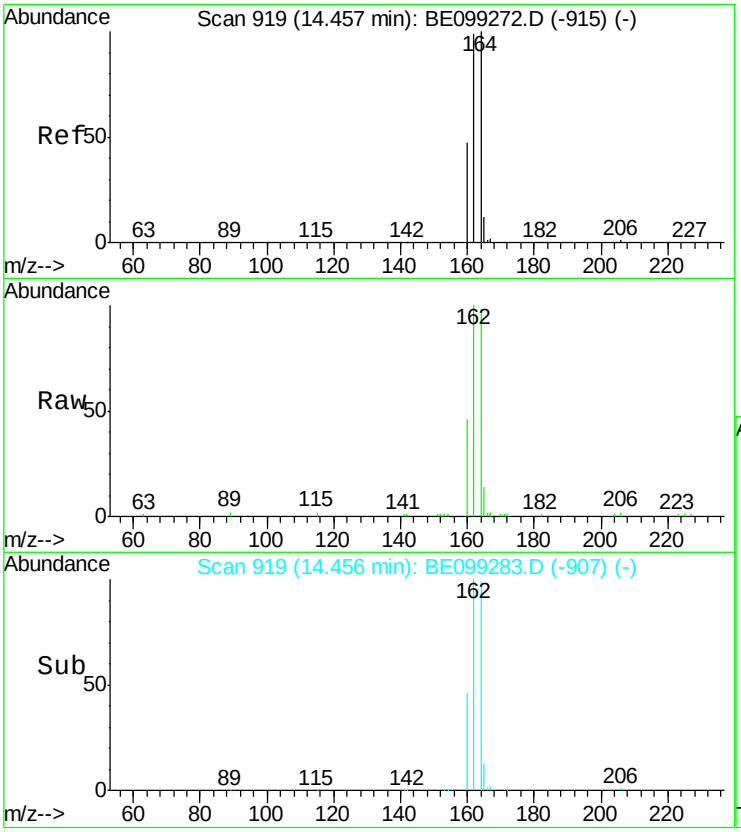


#12
2-Methylnaphthalene
Concen: 0.188 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:142 Resp: 3916

Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.3	106.9
115	41.5	30.4	45.6



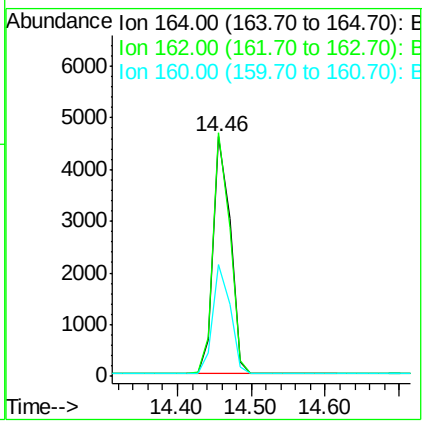


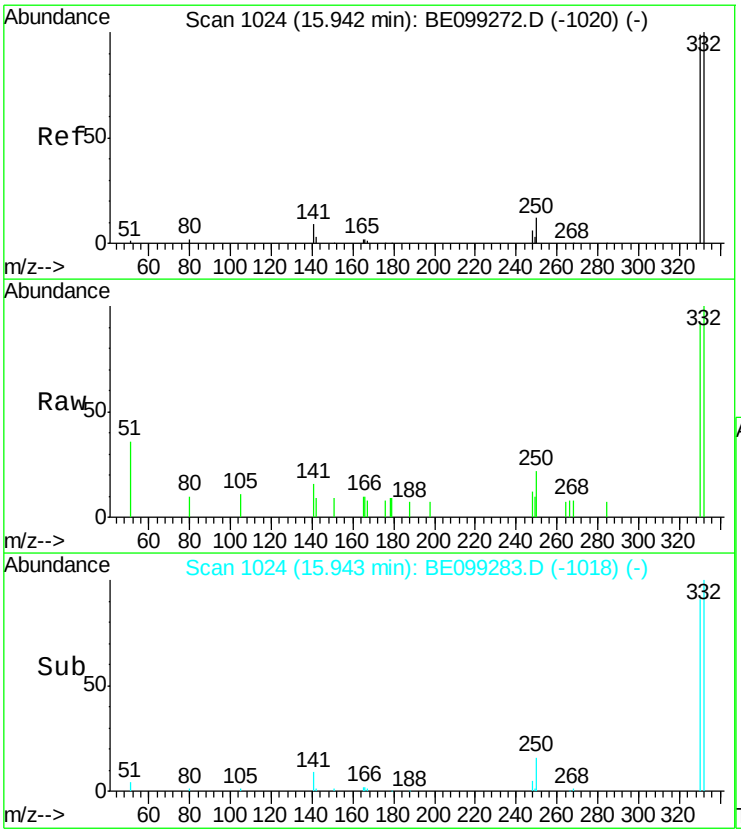
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:164 Resp: 7427

Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.2	118.8
160	46.8	36.7	55.1

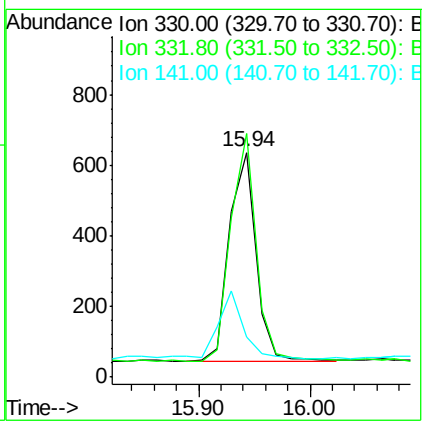


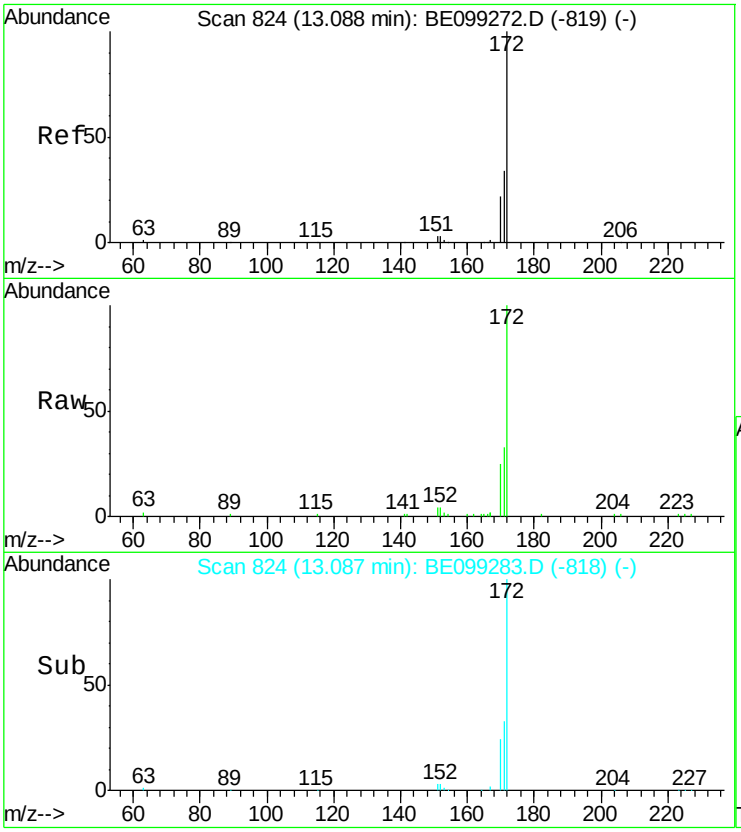


#14
2,4,6-Tribromophenol
Concen: 0.288 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:330 Resp: 984

Ion	Ratio	Lower	Upper
330	100		
332	104.9	71.3	106.9
141	31.0	21.7	32.5



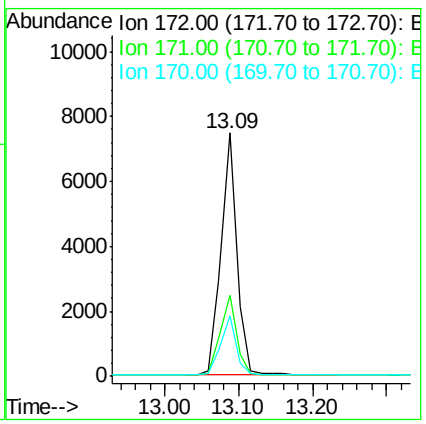


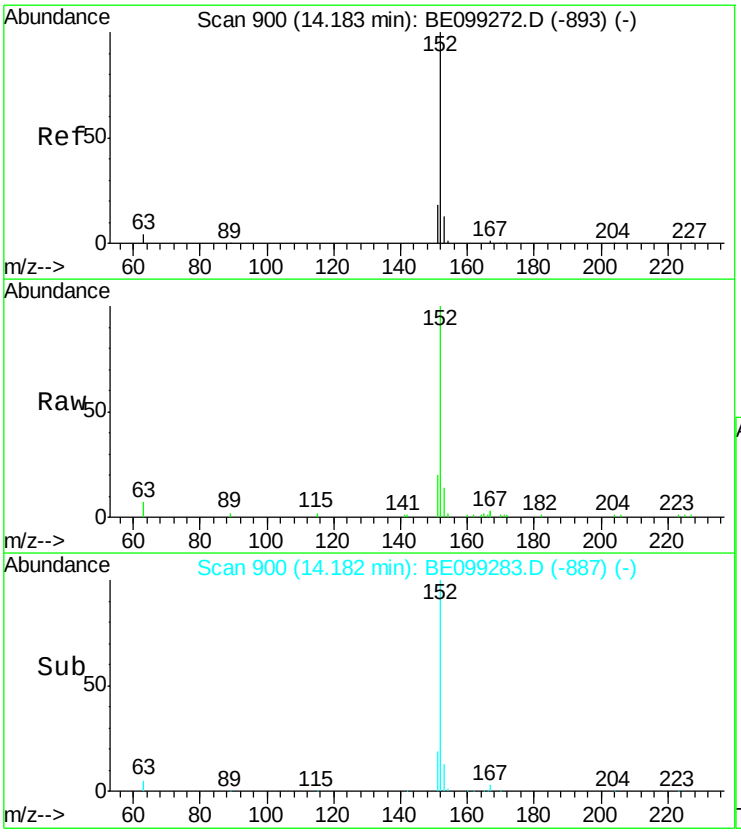
#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:172 Resp: 11072

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.4	41.0
170	24.7	19.1	28.7

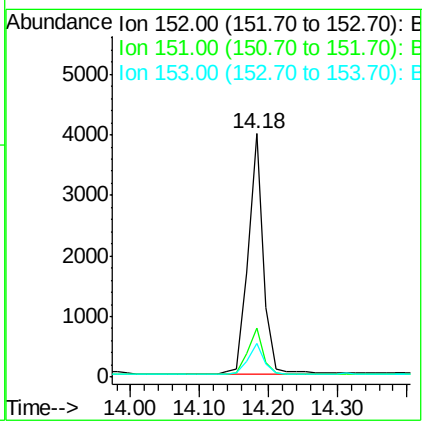


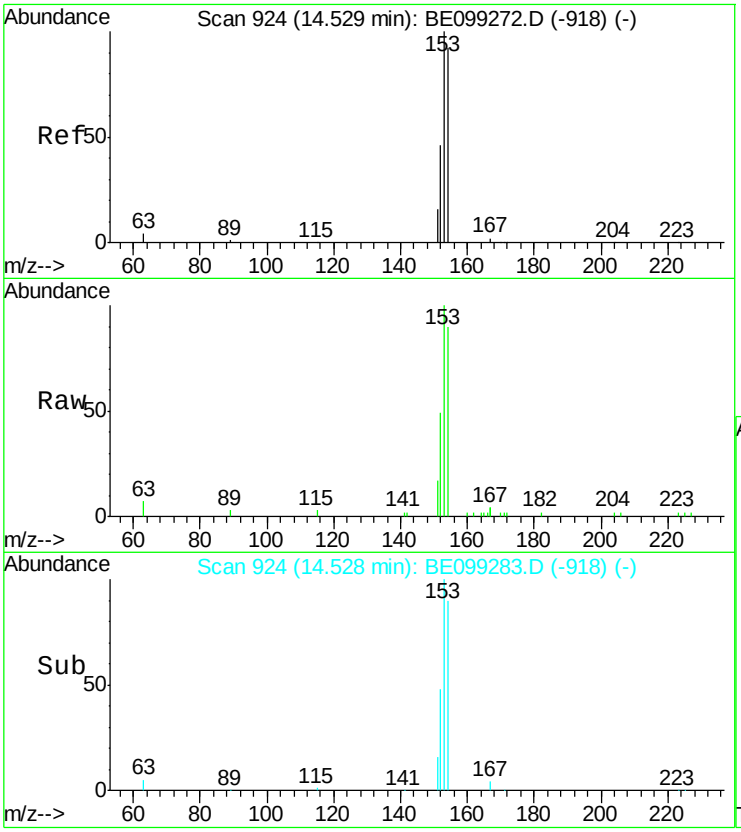


#16
Acenaphthylene
Concen: 0.174 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:152 Resp: 6135

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	12.7	10.6	15.8



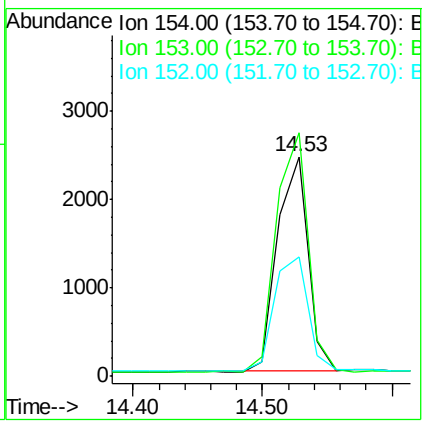


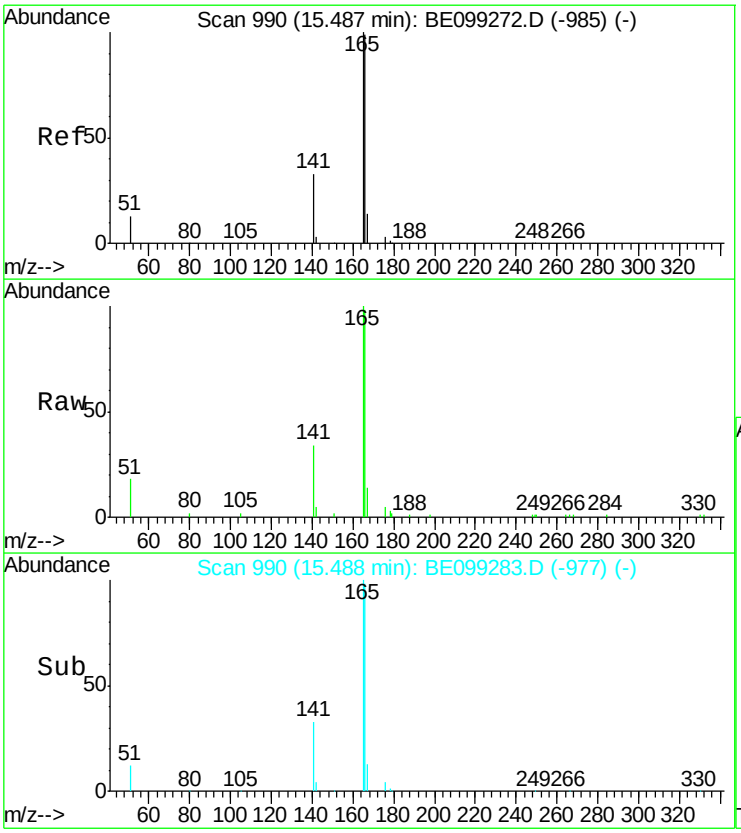
#17
Acenaphthene
Concen: 0.194 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:154 Resp: 4034

Ion	Ratio	Lower	Upper
154	100		
153	114.0	93.4	140.0
152	58.4	46.6	69.8

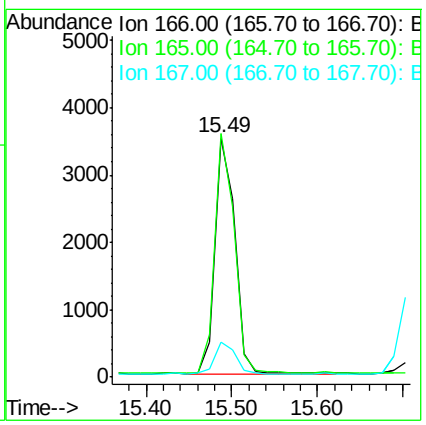


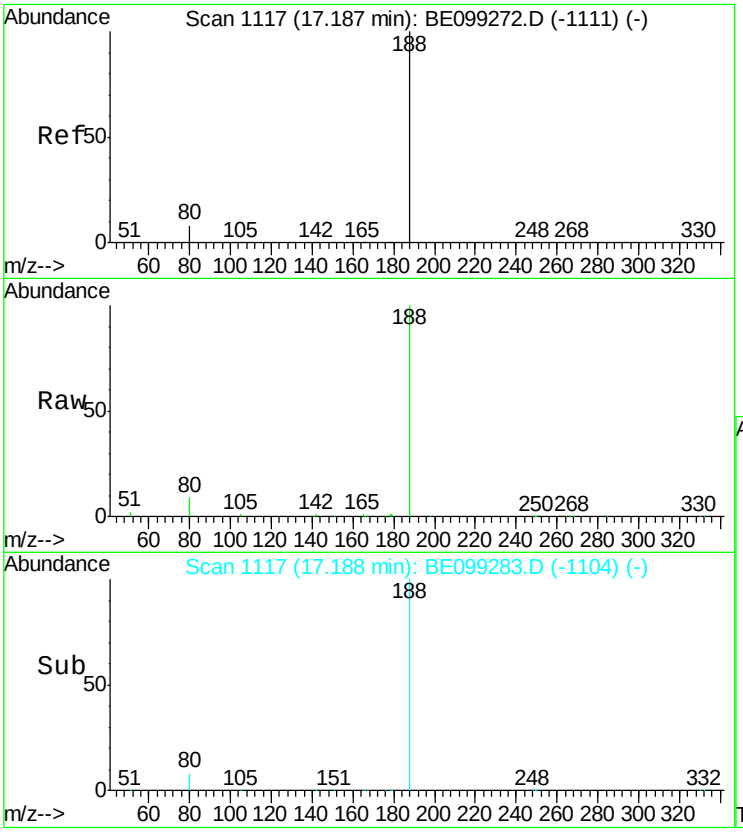


#18
Fluorene
Concen: 0.188 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:166 Resp: 5631

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.9	118.3
167	13.7	10.9	16.3



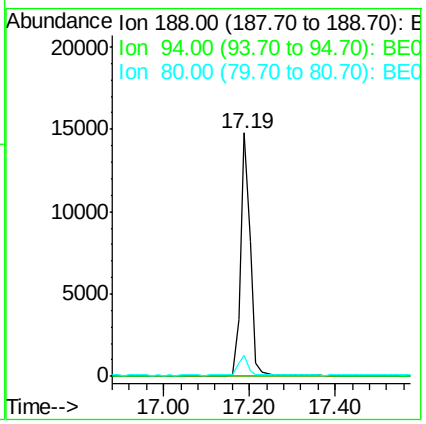


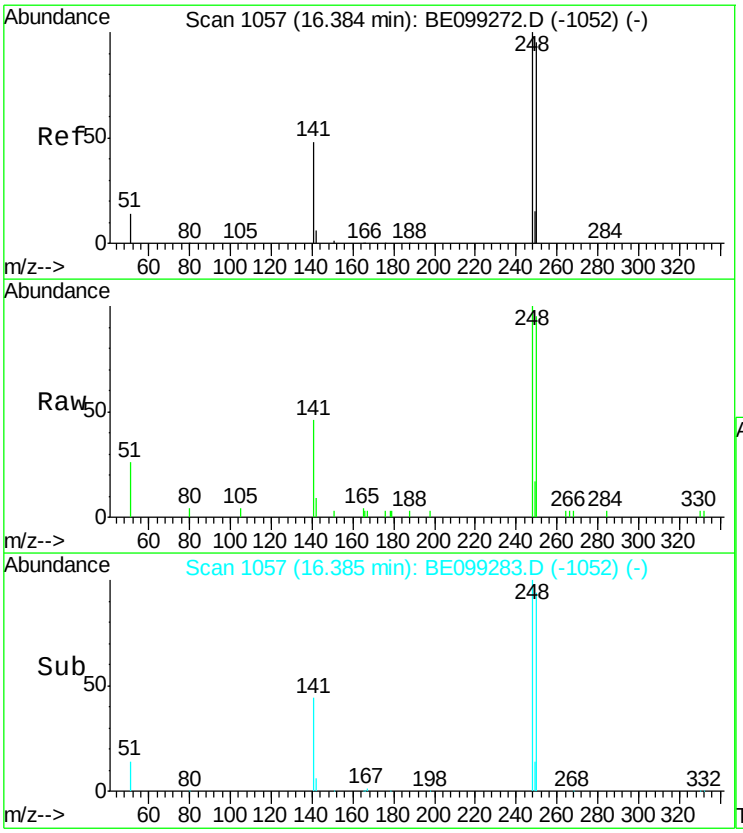
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:188 Resp: 22327

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	4.5	6.7#

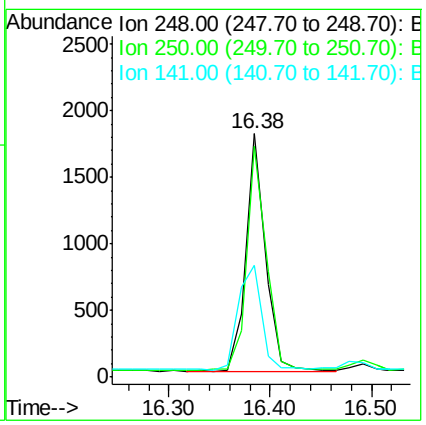


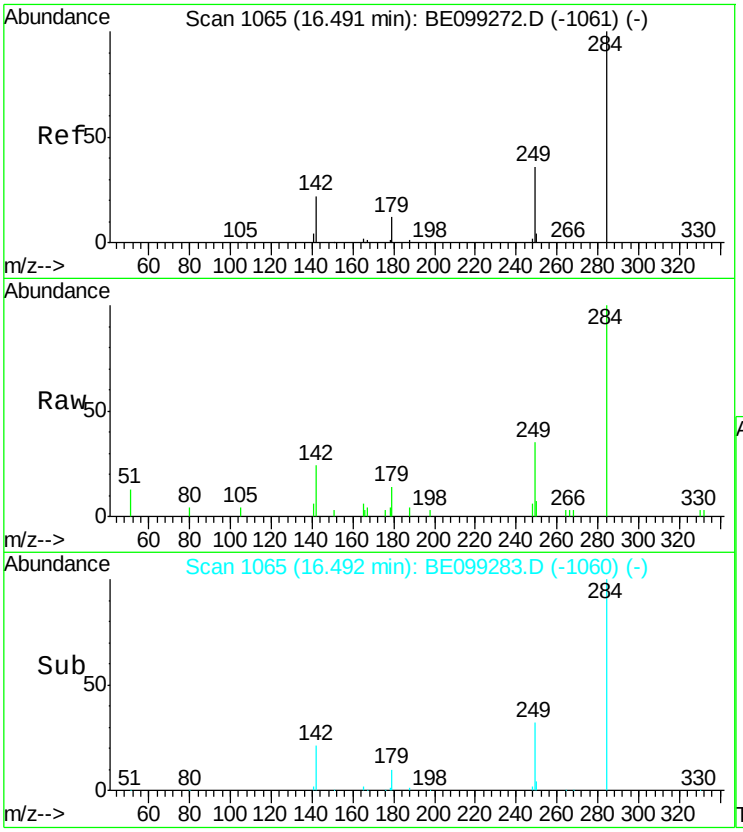


#20
4-Bromophenyl-phenylether
Concen: 0.190 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:248 Resp: 2406

Ion	Ratio	Lower	Upper
248	100		
250	94.6	84.2	126.2
141	45.9	21.8	32.6#



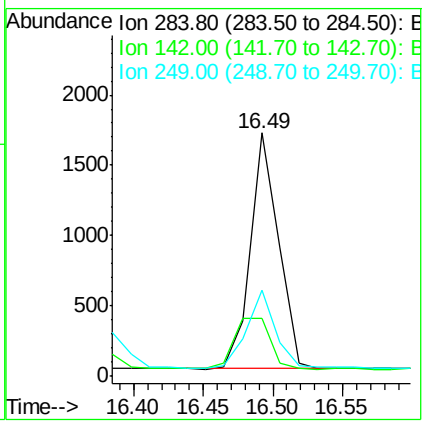


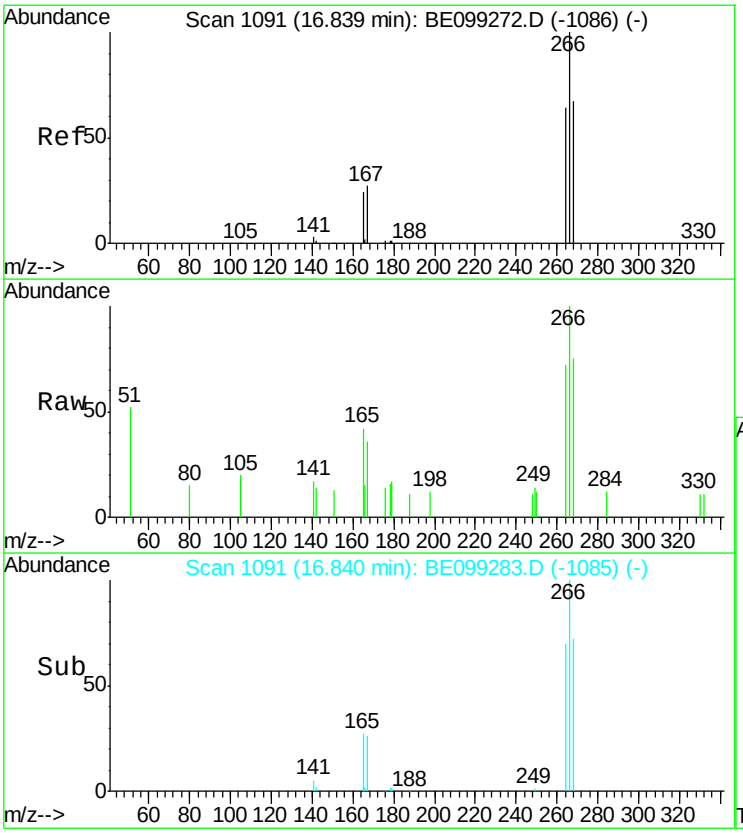
#21
Hexachlorobenzene
Concen: 0.197 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:284 Resp: 2372

Ion	Ratio	Lower	Upper
284	100		
142	27.8	22.7	34.1
249	33.5	26.9	40.3

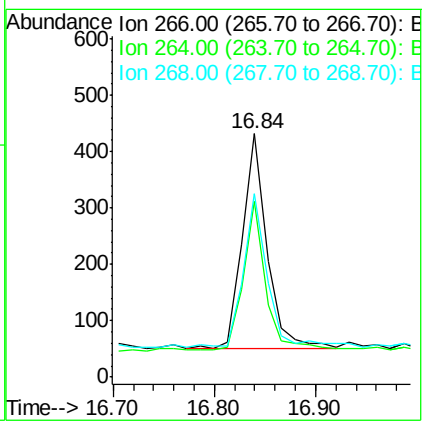


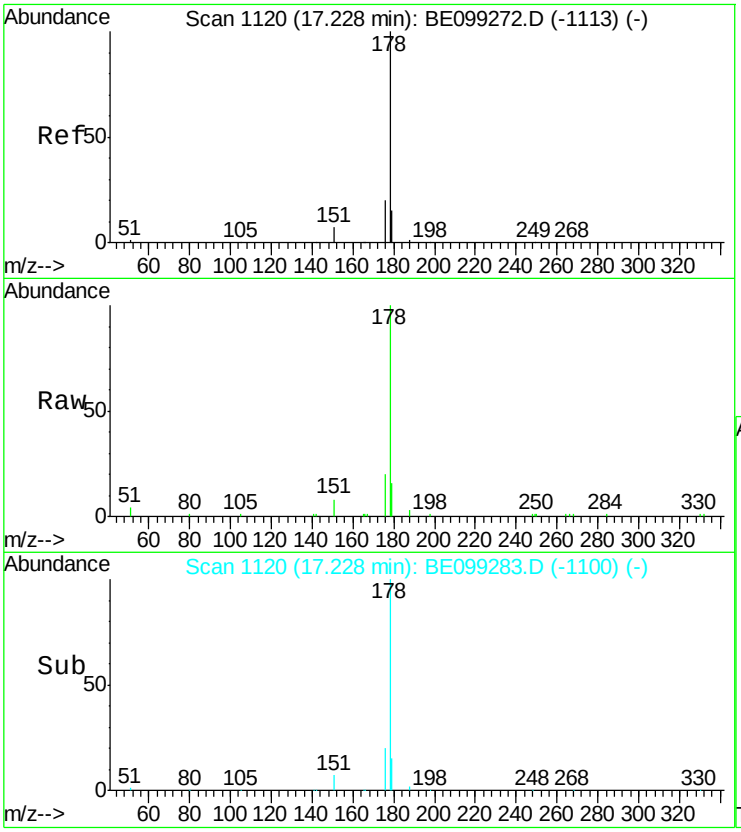


#22
Pentachlorophenol
Concen: 0.129 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:266 Resp: 644

Ion	Ratio	Lower	Upper
266	100		
264	72.0	54.4	81.6
268	75.5	61.3	91.9



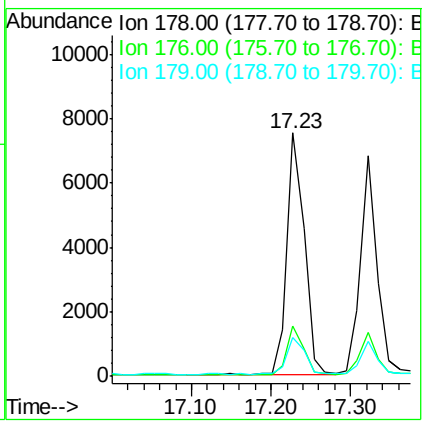


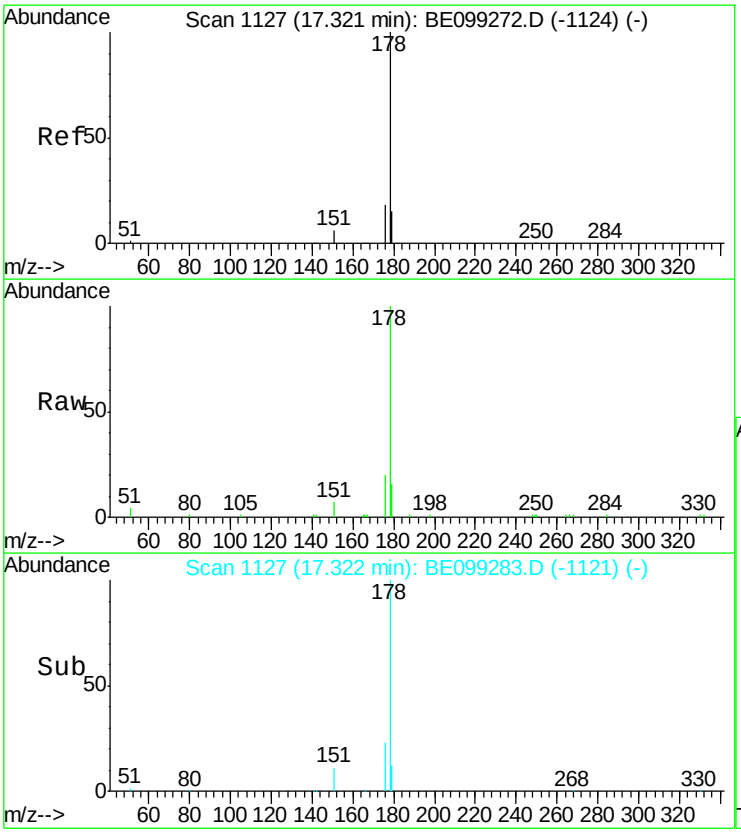
#23
Phenanthrene
Concen: 0.195 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:178 Resp: 11297

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.0	12.3	18.5

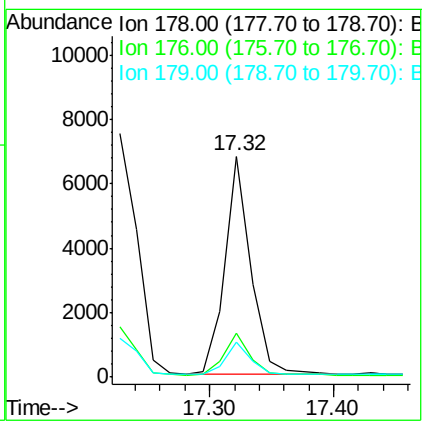


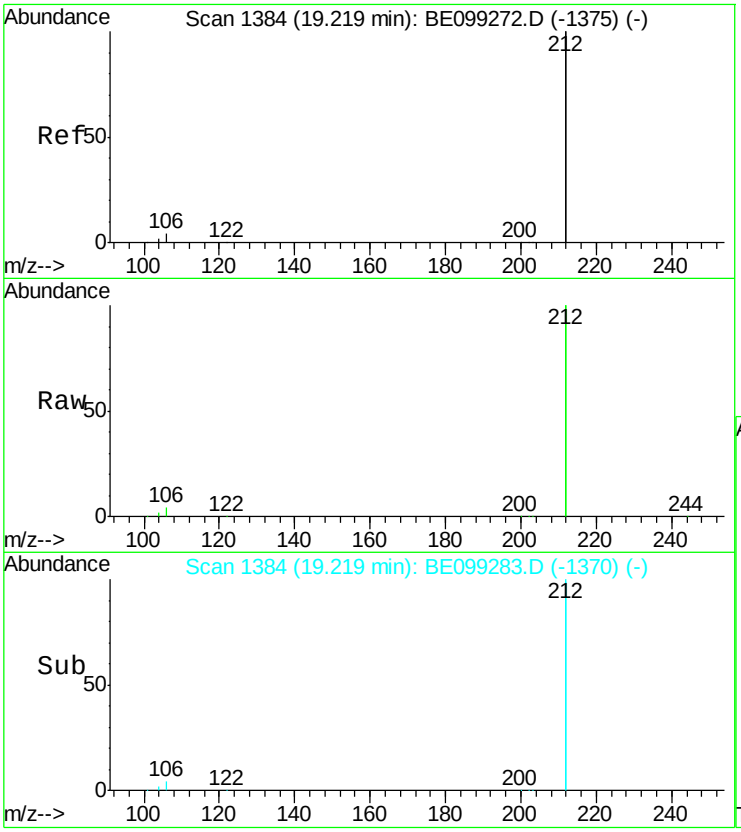


#24
Anthracene
Concen: 0.178 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:178 Resp: 9711

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.2	12.4	18.6



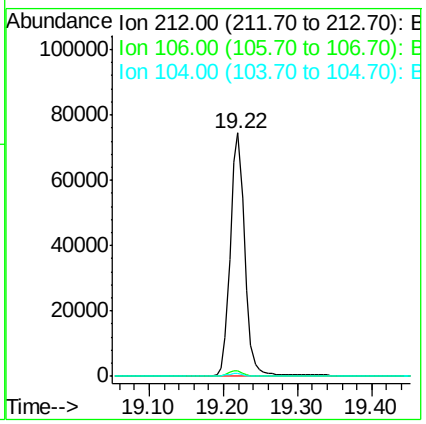


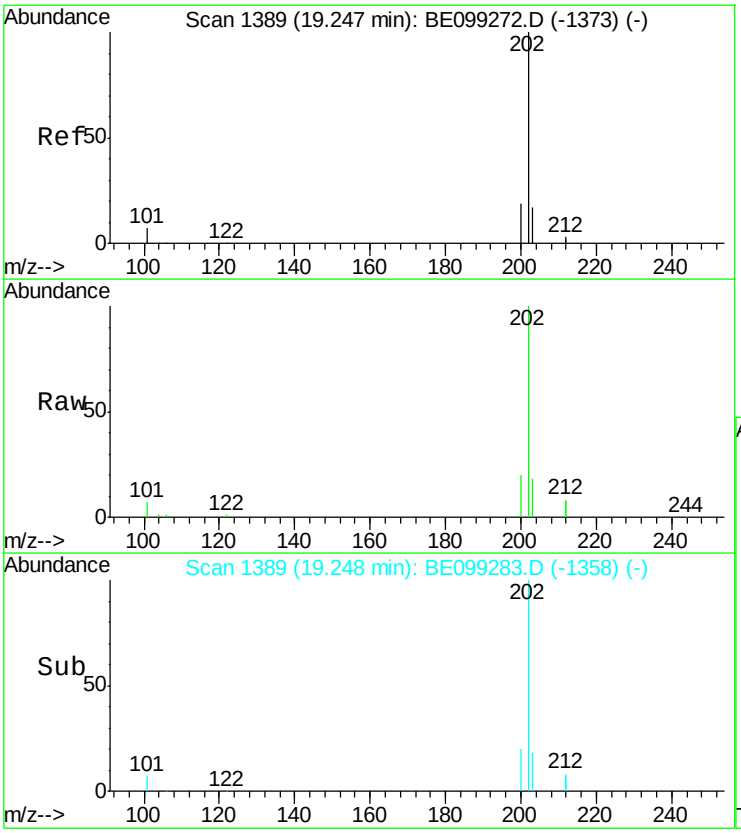
#25
Fluoranthene-d10
Concen: 0.341 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:212 Resp: 100407

Ion	Ratio	Lower	Upper
212	100		
106	2.2	1.8	2.8
104	1.2	1.1	1.7

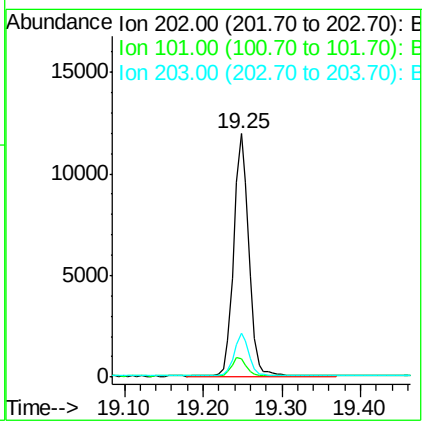


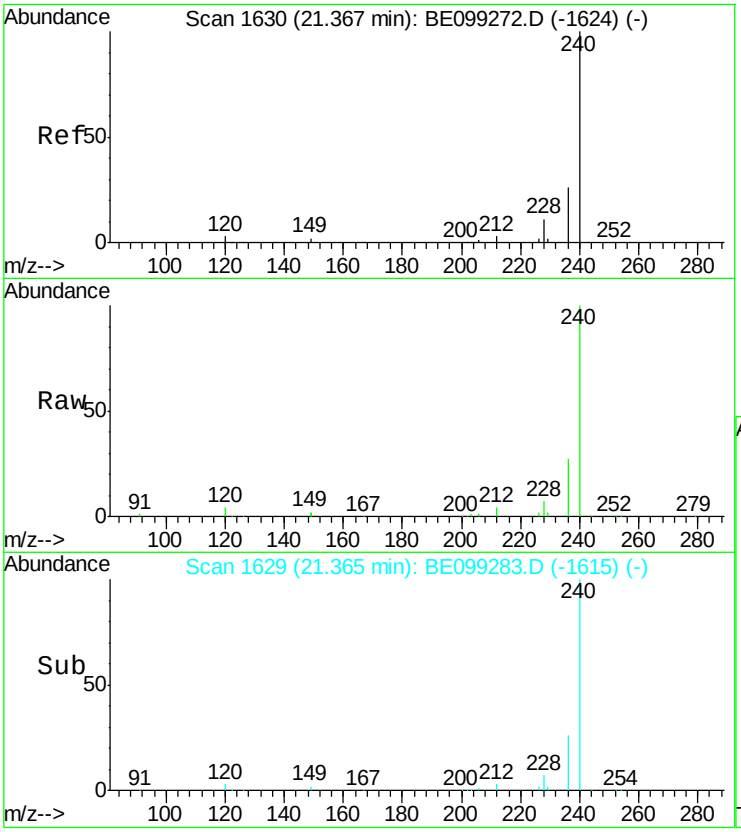


#26
Fluoranthene
Concen: 0.188 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:202 Resp: 16060

Ion	Ratio	Lower	Upper
202	100		
101	7.7	7.0	10.4
203	16.8	13.8	20.6



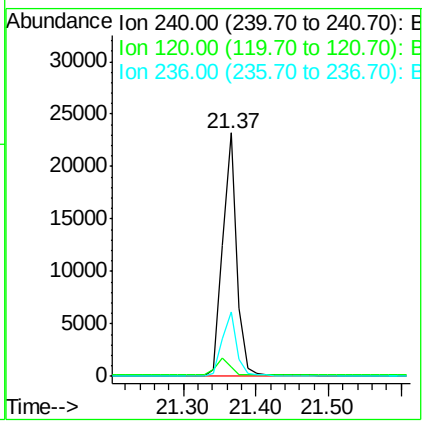


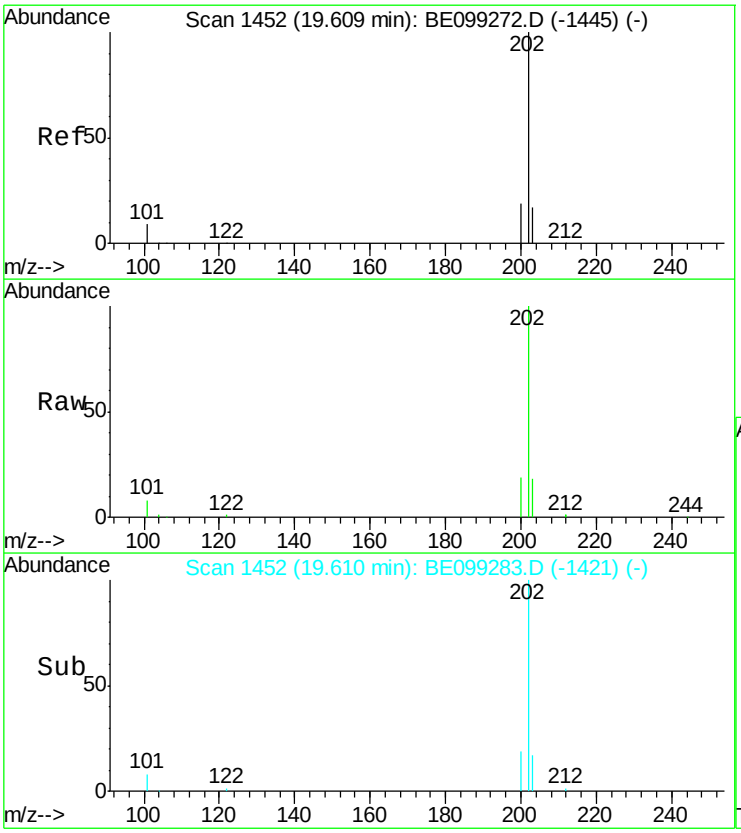
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:240 Resp: 32188

Ion	Ratio	Lower	Upper
240	100		
120	3.7	2.6	3.8
236	26.6	20.9	31.3

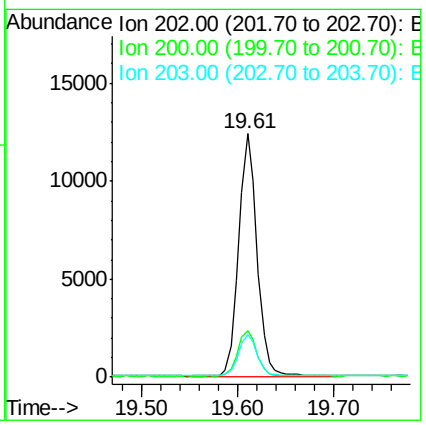


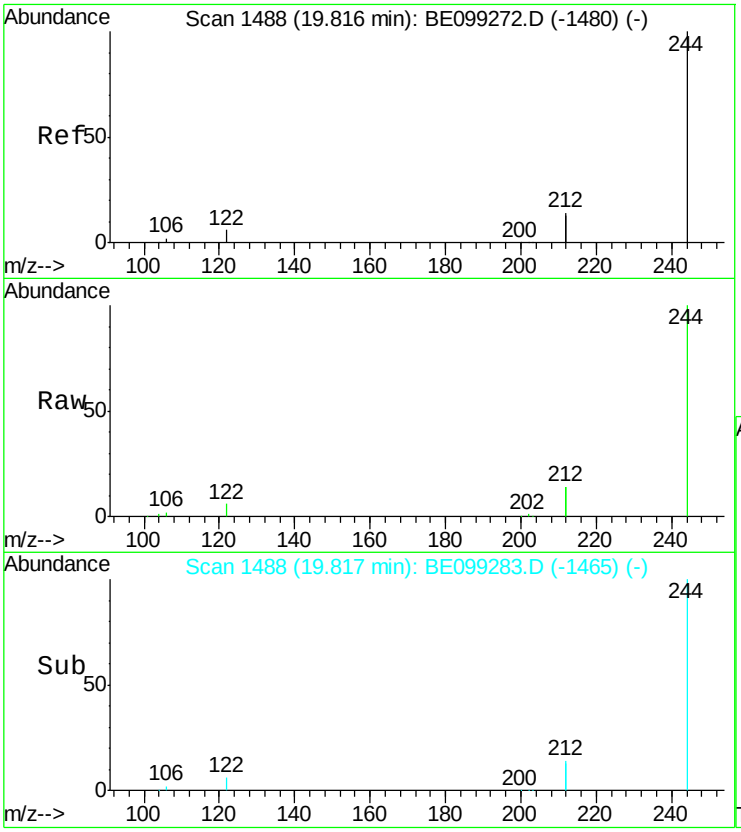


#28
Pyrene
Concen: 0.193 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:202 Resp: 16414

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.8	23.8
203	17.6	14.1	21.1



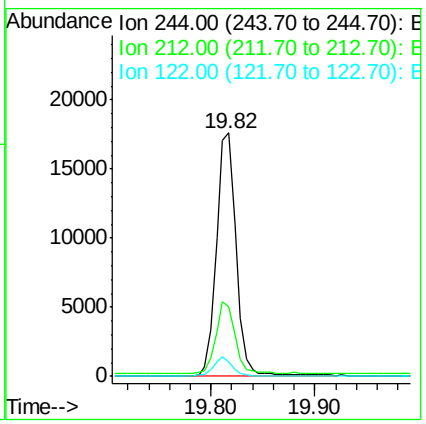


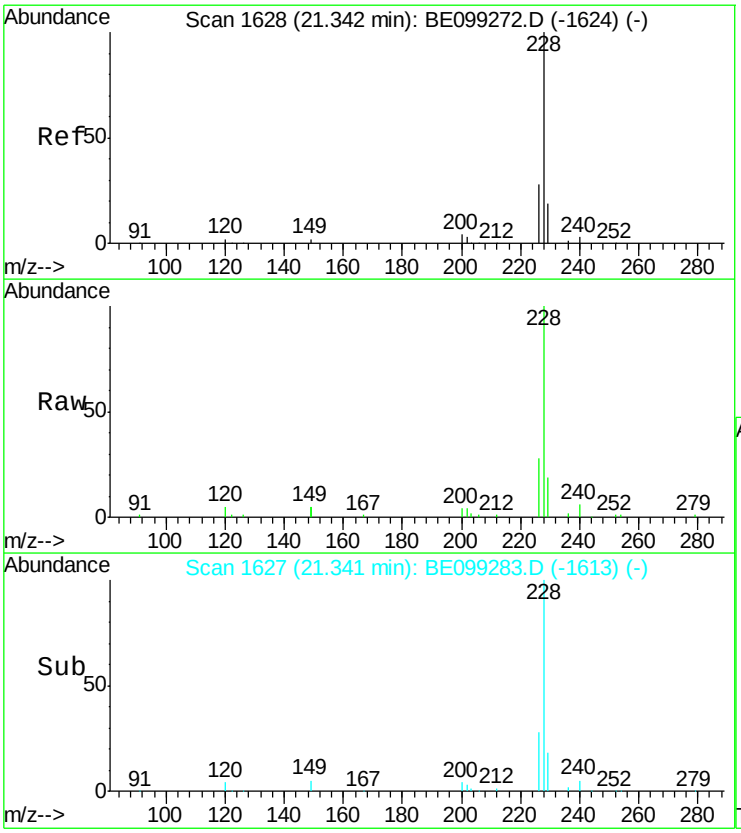
#29
Terphenyl-d14
Concen: 0.389 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:244 Resp: 22849

Ion	Ratio	Lower	Upper
244	100		
212	28.6	22.7	34.1
122	5.9	5.8	8.6

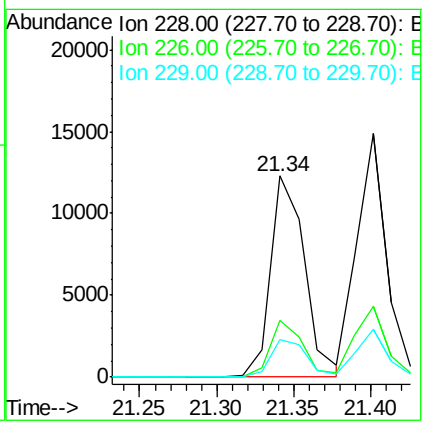


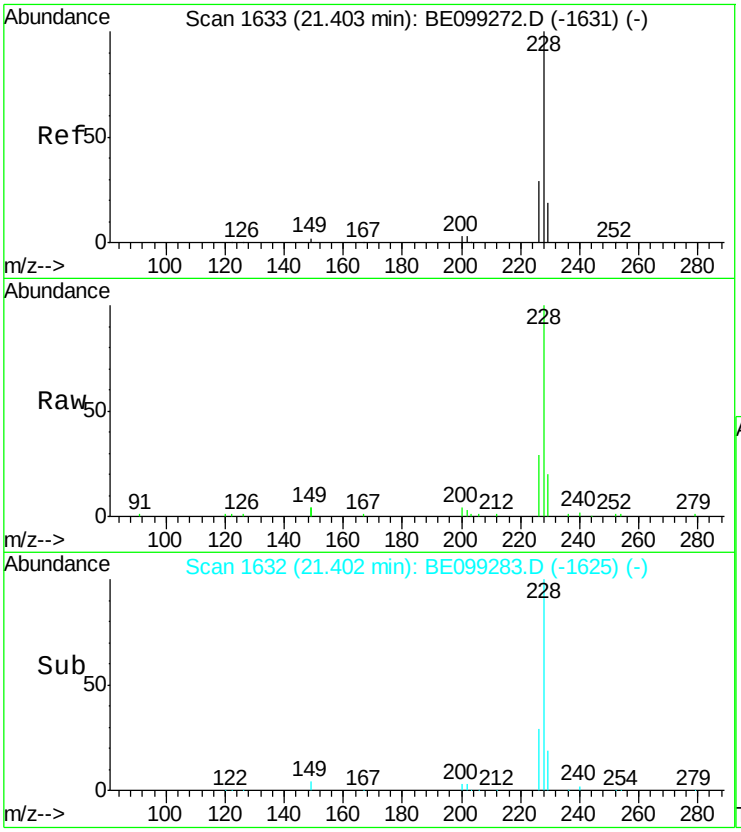


#30
Benzo(a)anthracene
Concen: 0.185 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:228 Resp: 18753

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.7	32.5
229	18.8	15.9	23.9



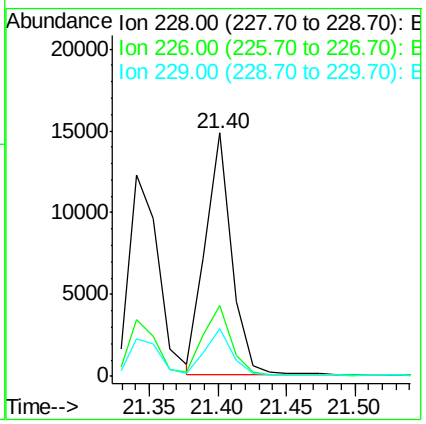


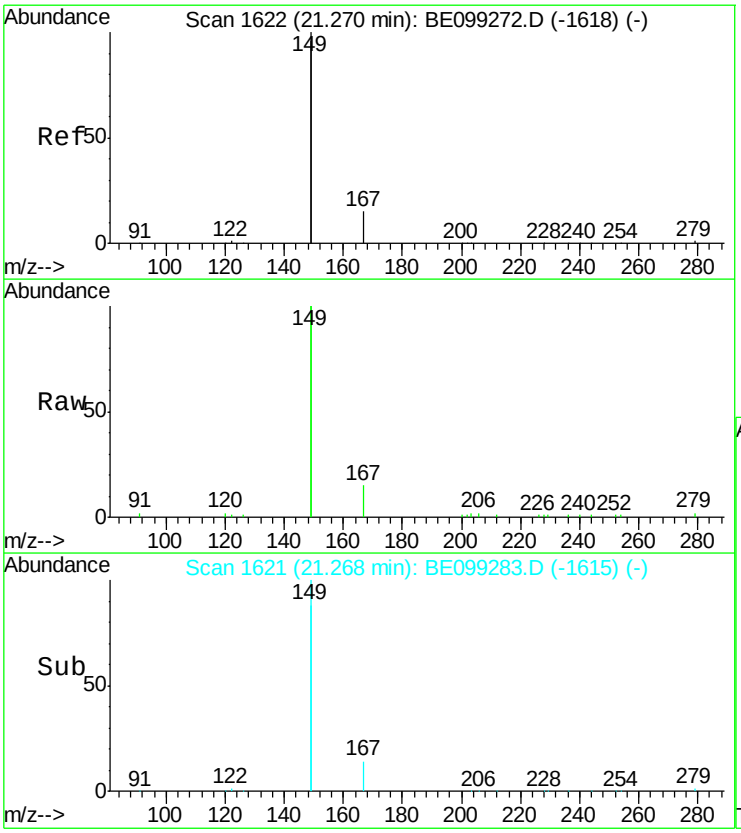
#31
Chrysene
Concen: 0.198 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:228 Resp: 19682

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.8	37.2
229	19.5	15.4	23.0

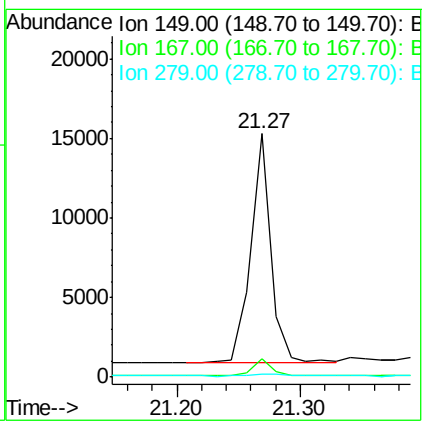


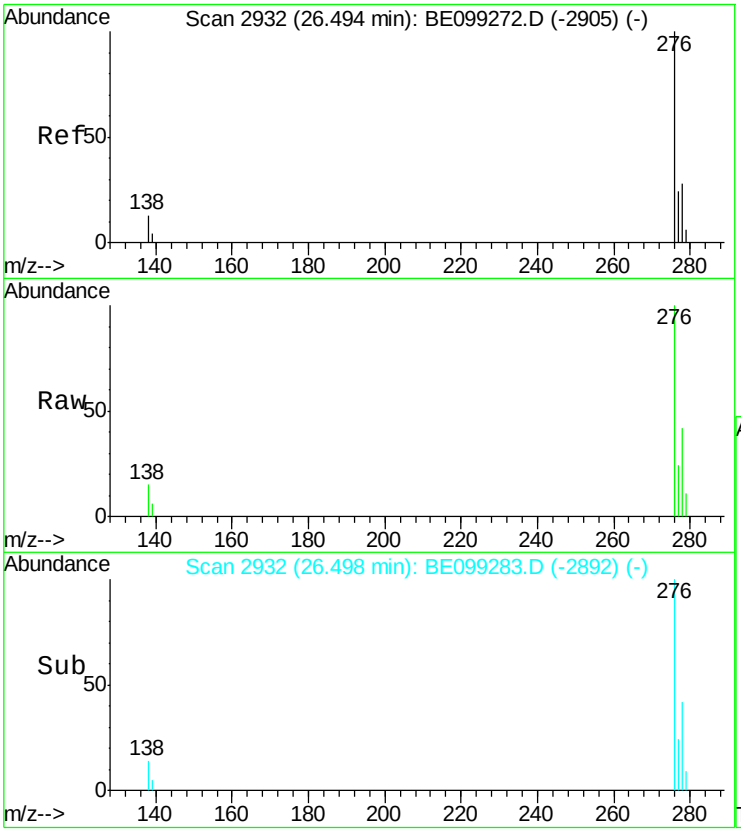


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.126 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:149 Resp: 16284

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.9	8.9
279	1.3	1.0	1.6



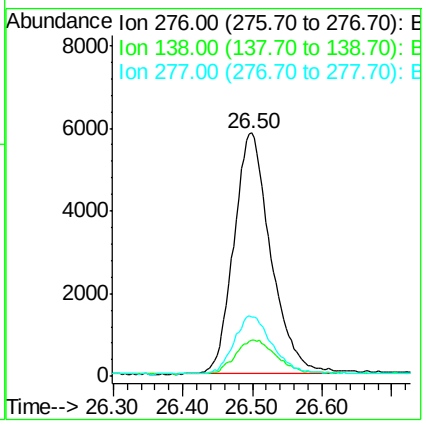


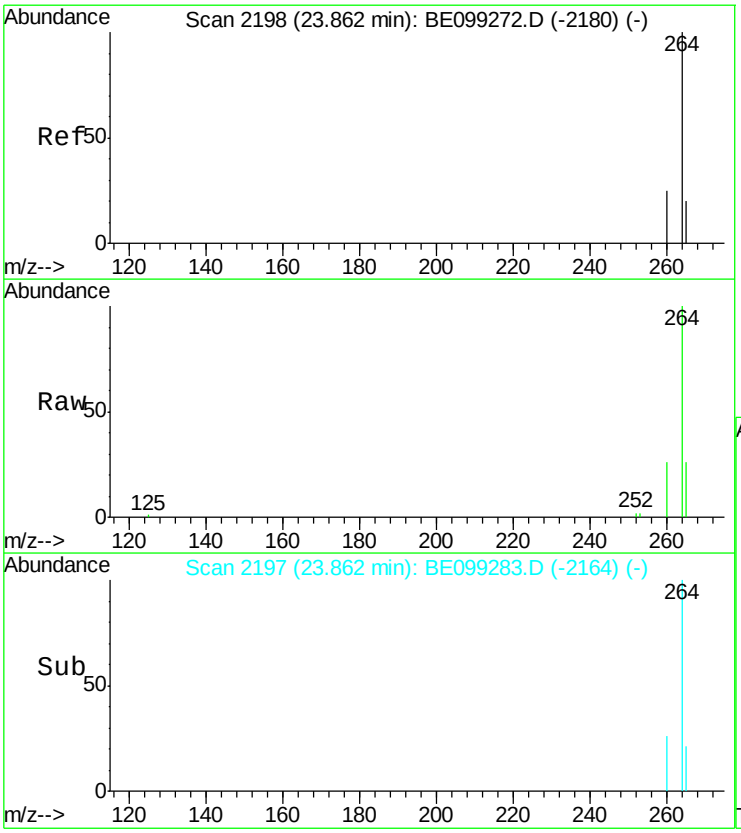
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.189 ng
RT: 26.50 min Scan# 2932
Delta R.T. -0.06 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:276 Resp: 21486

Ion	Ratio	Lower	Upper
276	100		
138	15.2	12.9	19.3
277	24.7	18.3	27.5

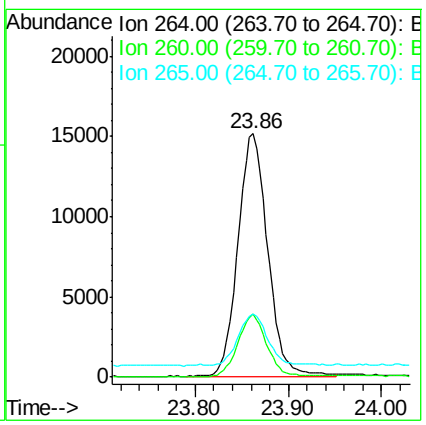


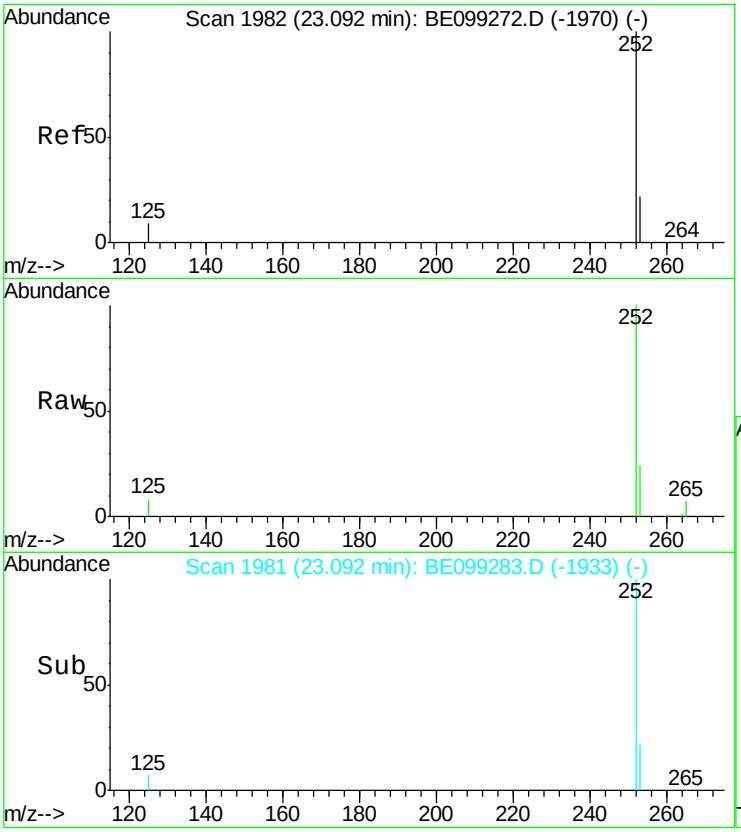


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:264 Resp: 33562

Ion	Ratio	Lower	Upper
264	100		
260	25.9	18.2	27.2
265	26.1	21.8	32.8



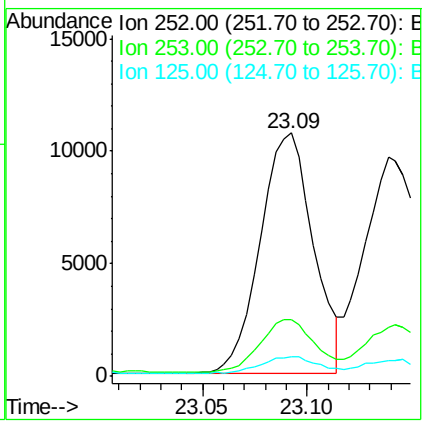


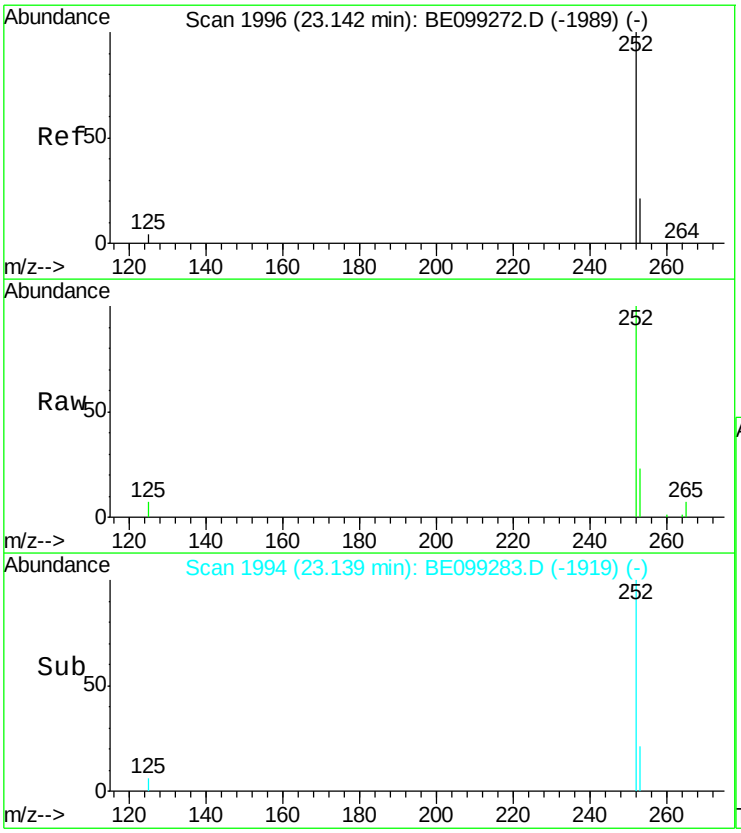
#35
Benzo(b)fluoranthene
Concen: 0.189 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:252 Resp: 18904

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	8.2	6.1	9.1

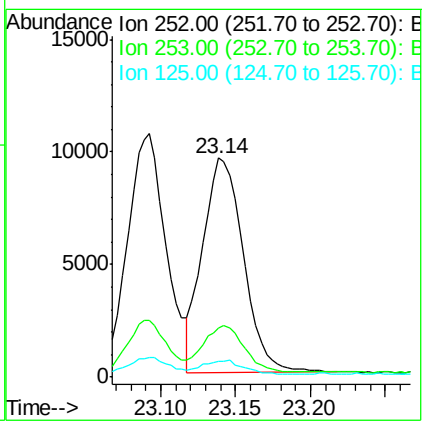


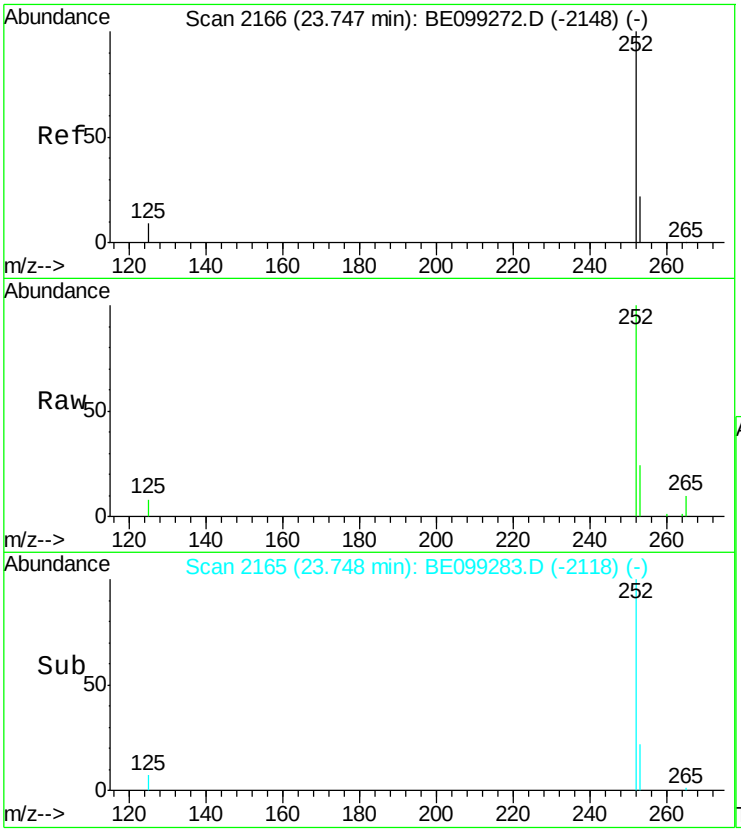


#36
Benzo(k)fluoranthene
Concen: 0.186 ng
RT: 23.14 min Scan# 1994
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:252 Resp: 18116

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	7.4	5.9	8.9



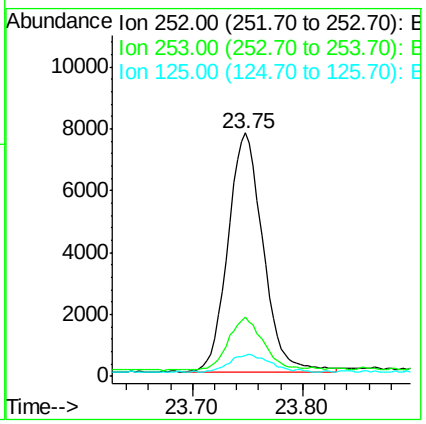


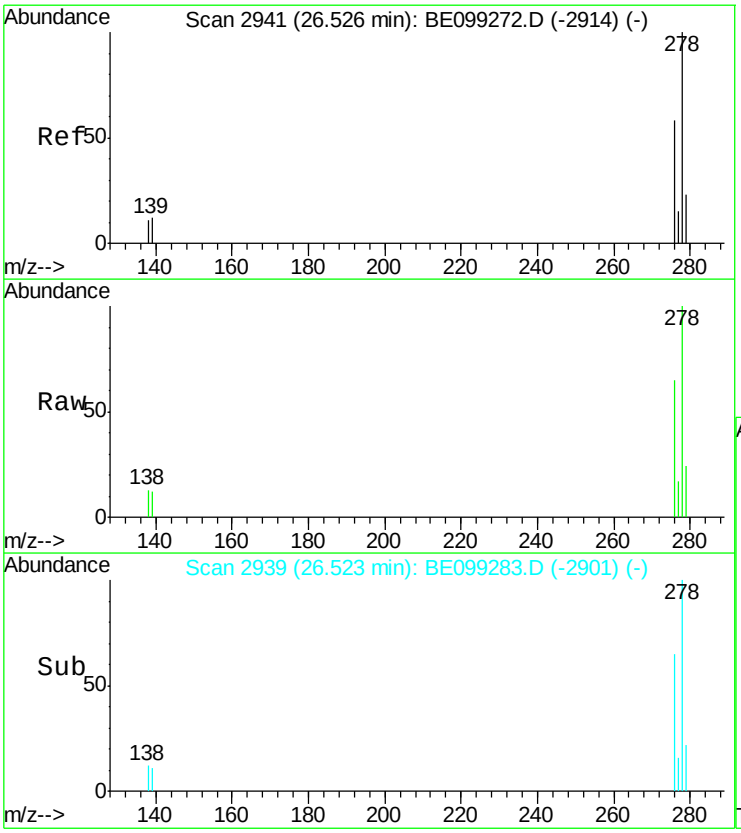
#37
Benzo(a)pyrene
Concen: 0.183 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:252 Resp: 17239

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	8.5	6.8	10.2

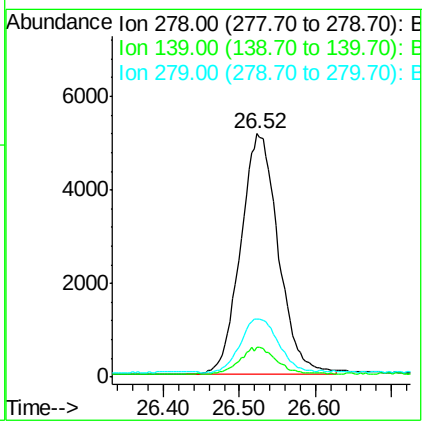


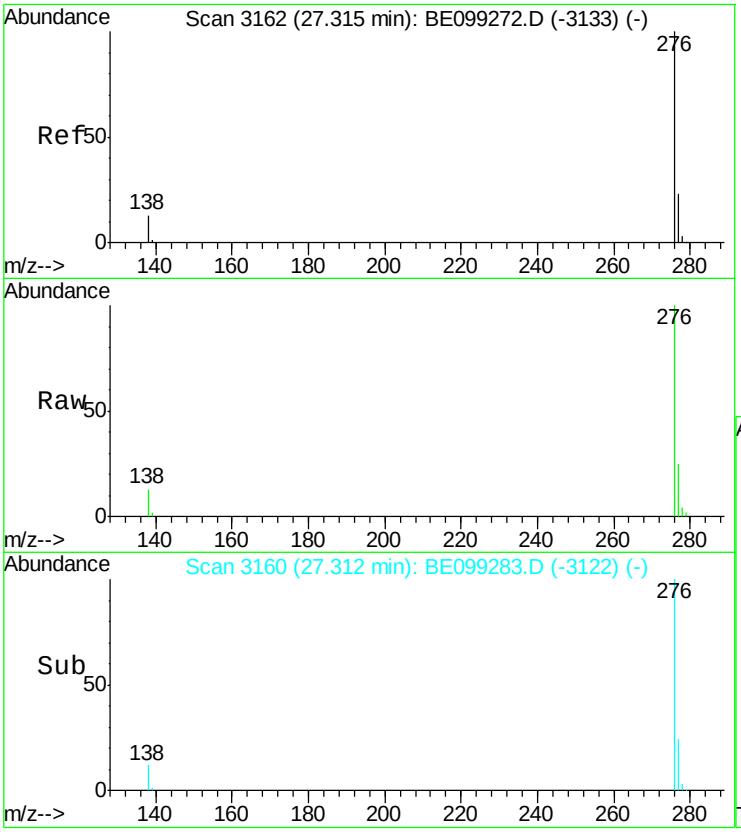


#38
Dibenzo(a,h)anthracene
Concen: 0.190 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.06 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Tgt Ion:278 Resp: 17781

Ion	Ratio	Lower	Upper
278	100		
139	12.3	9.5	14.3
279	23.8	19.1	28.7





#39
Benzo(g,h,i)perylene
Concen: 0.194 ng
RT: 27.31 min Scan# 3160
Delta R.T. -0.06 min
Lab File: BE099283.D
Acq: 2 Apr 2019 20:43

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:276 Resp: 18116

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	13.0	11.1	16.7