Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
Data File : BE099811.D
Acq On   : 5 Jun 2019 19:39
Operator : JU/SJ
Sample   : K2241-07
Misc   : MDL-SIM-0.1PPM
ALS Vial : 14   Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-MDL-WATER-01-QT2-2019

Quant Time: Jun 06 01:40:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	858	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	2665	0.40	ng	0.01
13) Acenaphthene-d10	14.48	164	1843	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	6472	0.40	ng	0.01
27) Chrysene-d12	21.42	240	11862	0.40	ng	0.00
34) Perylene-d12	23.95	264	14373	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	801	0.38	ng	0.01
5) Phenol-d6	6.99	99	842	0.31	ng	0.02
8) Nitrobenzene-d5	8.99	82	661	0.28	ng	0.03
11) 2-Methylnaphthalene-d10	12.24	152	813	0.18	ng	0.03
14) 2,4,6-Tribromophenol	16.02	330	321	0.36	ng	0.04
15) 2-Fluorobiphenyl	13.13	172	2292	0.33	ng	0.03
25) Fluoranthene-d10	19.27	212	18167	0.19	ng	0.01
29) Terphenyl-d14	19.87	244	7136	0.37	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
2) 1,4-Dioxane	3.29	88	164	0.132	ng	#	84
3) n-Nitrosodimethylamine	3.64	42	83	0.126	ng	#	49
6) bis(2-Chloroethyl)ether	7.24	93	102	0.043	ng	#	79
9) Naphthalene	10.68	128	1849	0.065	ng	#	83
10) Hexachlorobutadiene	10.94	225	138	0.064	ng		95
12) 2-Methylnaphthalene	12.31	142	218	0.048	ng	#	84
16) Acenaphthylene	14.21	152	494	0.056	ng	#	93
17) Acenaphthene	14.56	154	268	0.055	ng		98
18) Fluorene	15.54	166	377	0.053	ng		88
20) 4-Bromophenyl-phenylether	16.44	248	140	0.039	ng	#	82
21) Hexachlorobenzene	16.53	284	216	0.055	ng		95
22) Pentachlorophenol	16.93	266	6	0.284	ng		84
23) Phenanthrene	17.38	178	846	0.055	ng		97
24) Anthracene	17.38	178	556	0.040	ng		99
26) Fluoranthene	19.30	202	1587	0.059	ng		97
28) Pyrene	19.66	202	1622	0.057	ng		99
30) Benzo(a)anthracene	21.40	228	1669	0.051	ng	#	90
31) Chrysene	21.45	228	2223	0.061	ng		92
32) Bis(2-ethylhexyl)phthalate	21.31	149	2018	0.054	ng	#	98
33) Indeno(1,2,3-cd)pyrene	26.65	276	2515	0.058	ng	#	71
35) Benzo(b)fluoranthene	23.17	252	1998	0.050	ng	#	84
36) Benzo(k)fluoranthene	23.22	252	2411	0.057	ng	#	83
37) Benzo(a)pyrene	23.85	252	2065	0.054	ng	#	80
38) Dibenzo(a,h)anthracene	26.70	278	1815	0.046	ng	#	70
39) Benzo(g,h,i)perylene	27.48	276	2333	0.057	ng	#	81

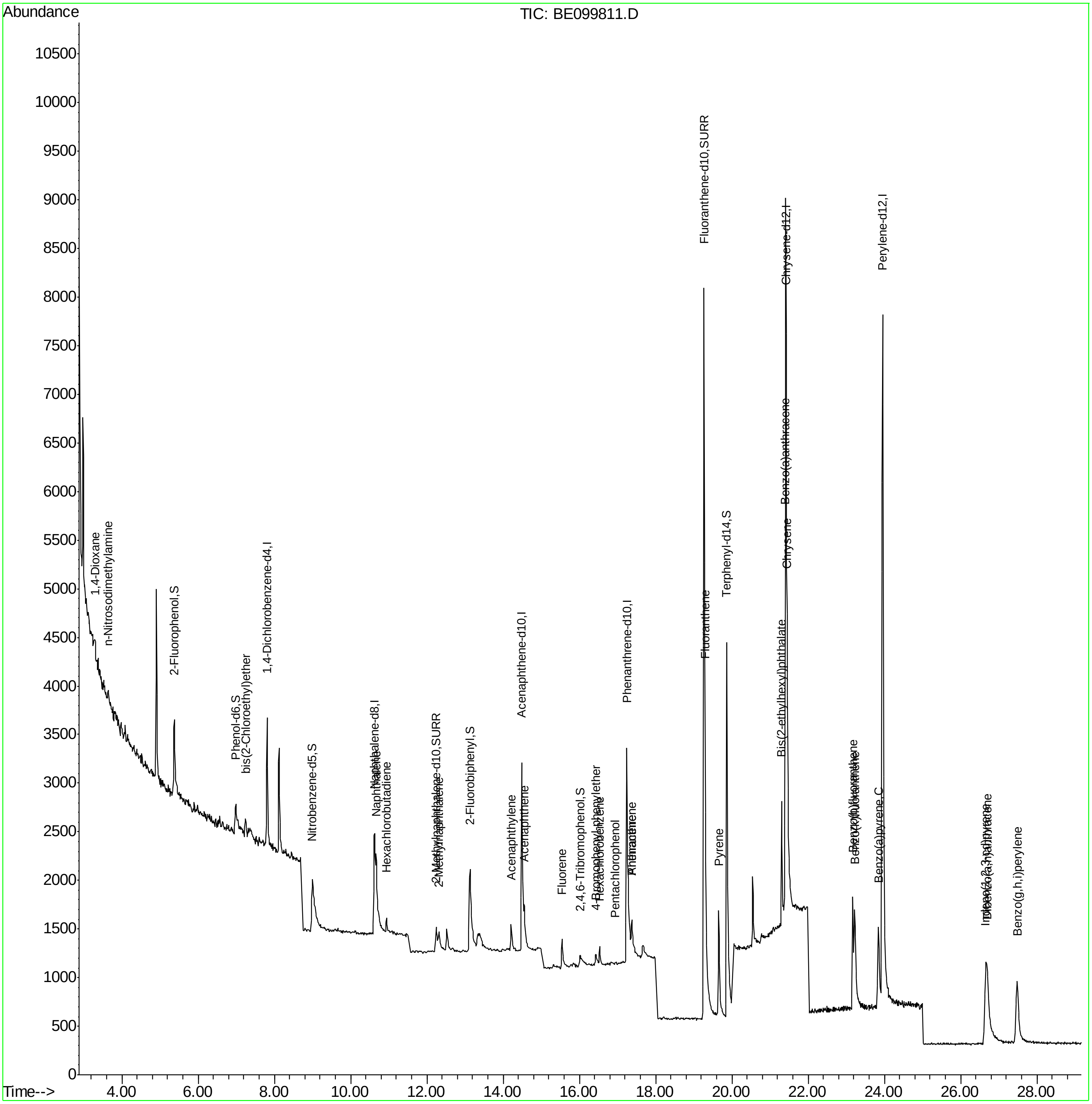
(#) = qualifier out of range (m) = manual integration (+) = signals summed

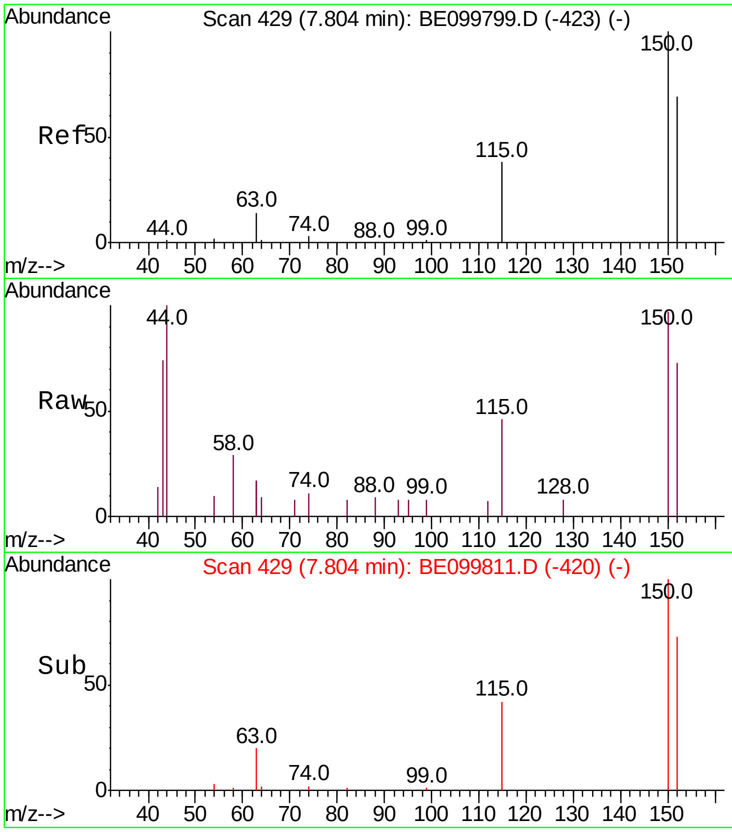
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
Data File : BE099811.D
Acq On : 5 Jun 2019 19:39
Operator : JU/SJ
Sample : K2241-07
Misc : MDL-SIM-0.1PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Quant Time: Jun 06 01:40:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration



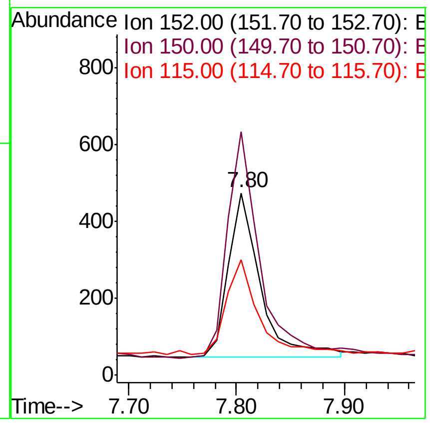


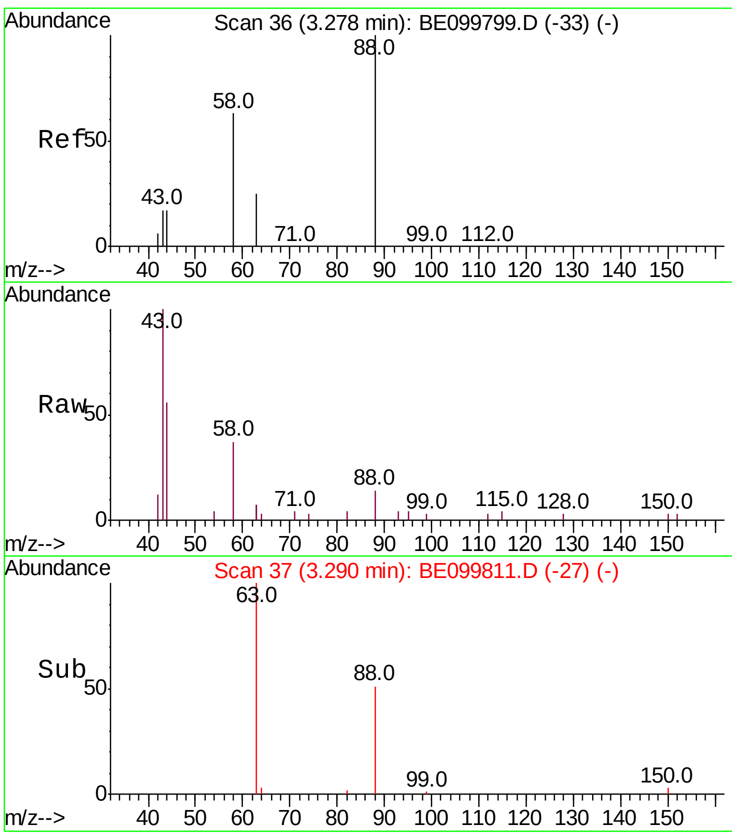
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:152 Resp: 858

Ion	Ratio	Lower	Upper
152	100		
150	133.6	112.8	169.2
115	63.2	47.6	71.4

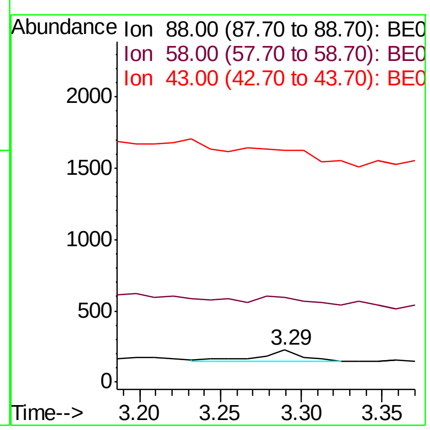


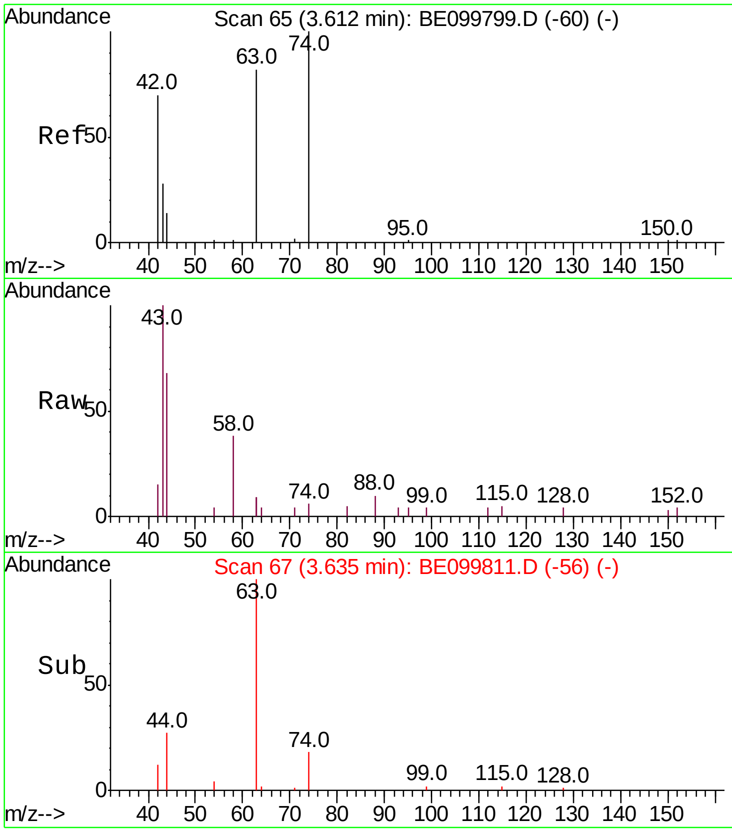


#2
1,4-Dioxane
Concen: 0.132 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion: 88 Resp: 164

Ion	Ratio	Lower	Upper
88	100		
58	62.2	47.3	70.9
43	0.0	18.2	27.4#



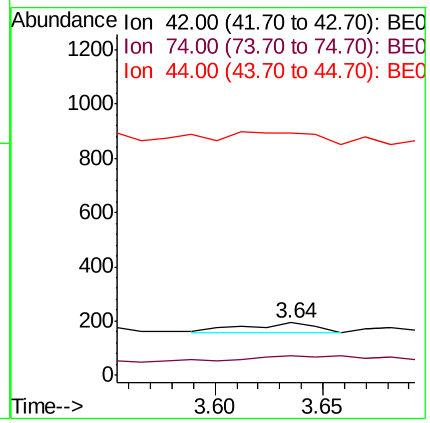


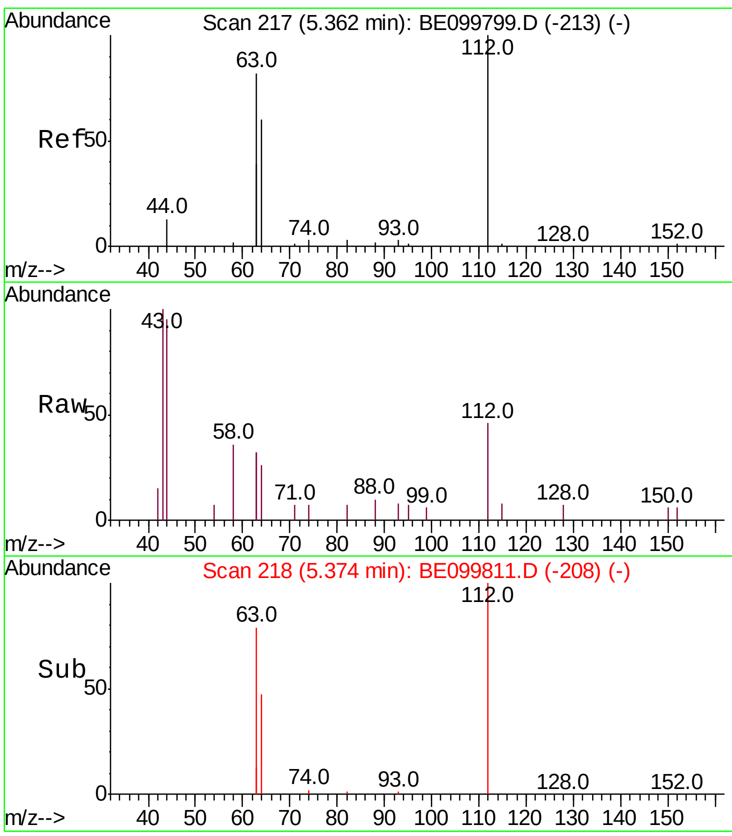
#3
n-Nitrosodimethylamine
Concen: 0.126 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.02 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 42 Resp: 83

Ion	Ratio	Lower	Upper
42	100		
74	95.2	132.6	198.8#
44	0.0	13.4	20.0#

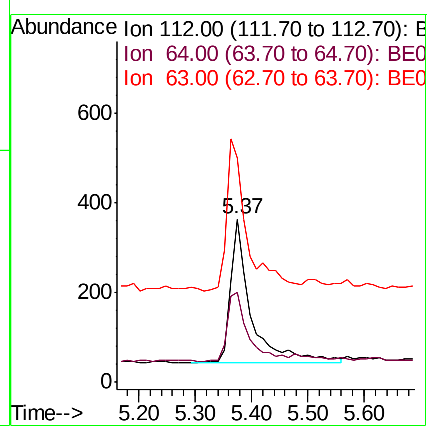


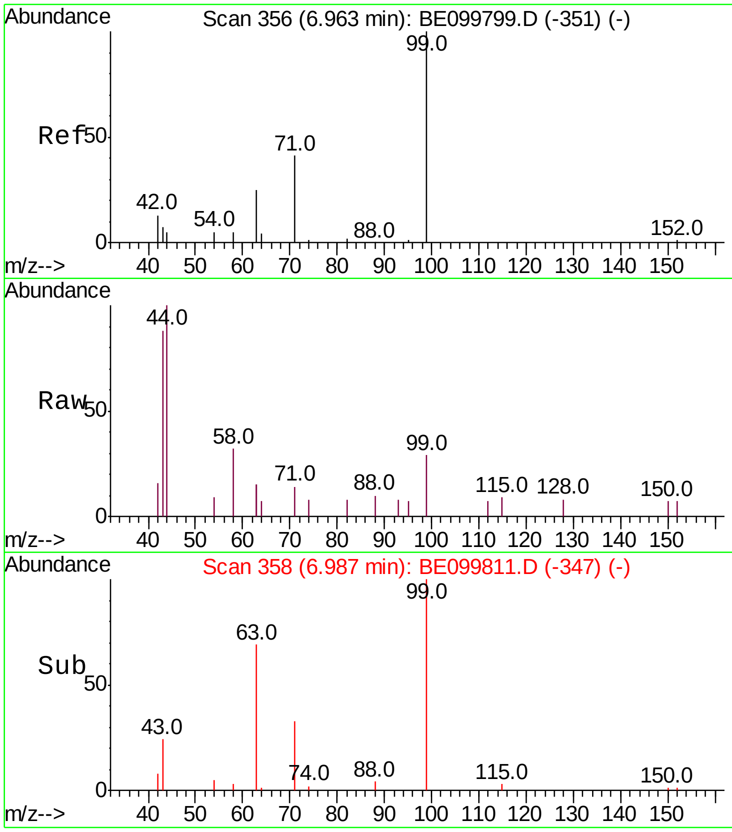


#4
2-Fluorophenol
Concen: 0.384 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:112 Resp: 801

Ion	Ratio	Lower	Upper
112	100		
64	50.1	47.2	70.8
63	107.6	90.7	136.1



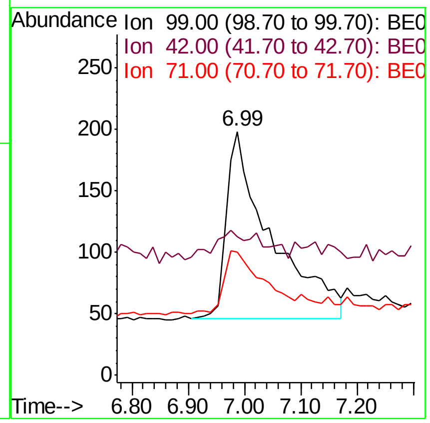


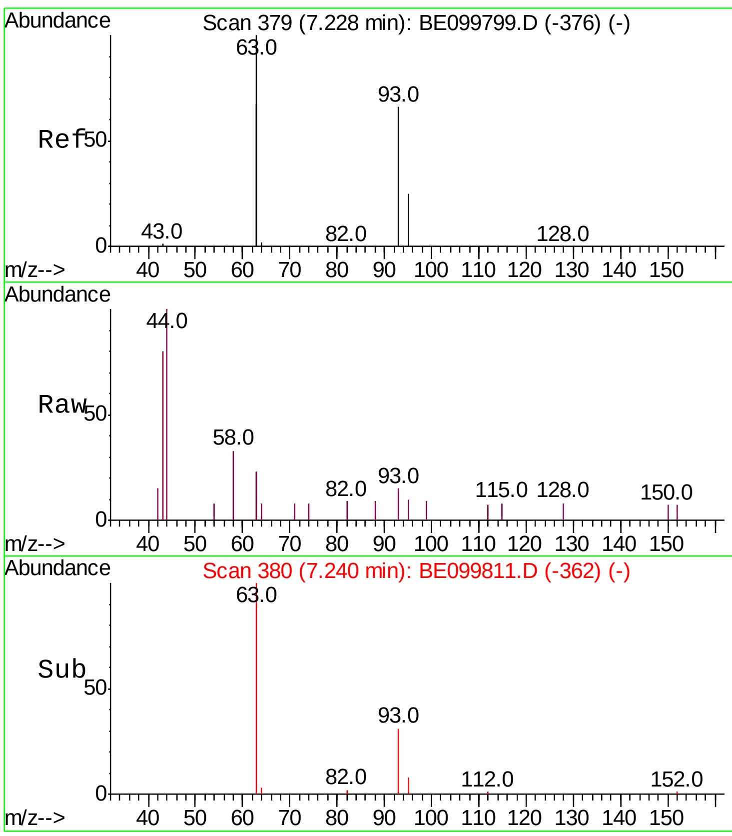
#5
Phenol-d6
Concen: 0.314 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.02 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion: 99 Resp: 842

Ion	Ratio	Lower	Upper
99	100		
42	16.5	11.0	16.4#
71	29.9	26.1	39.1

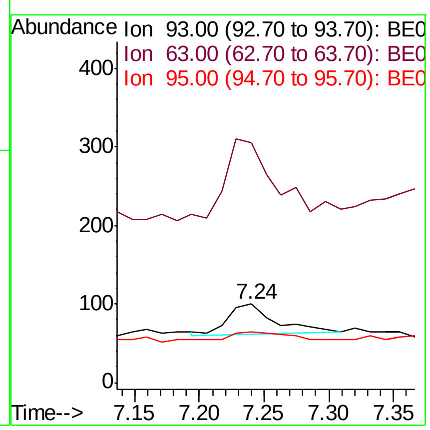


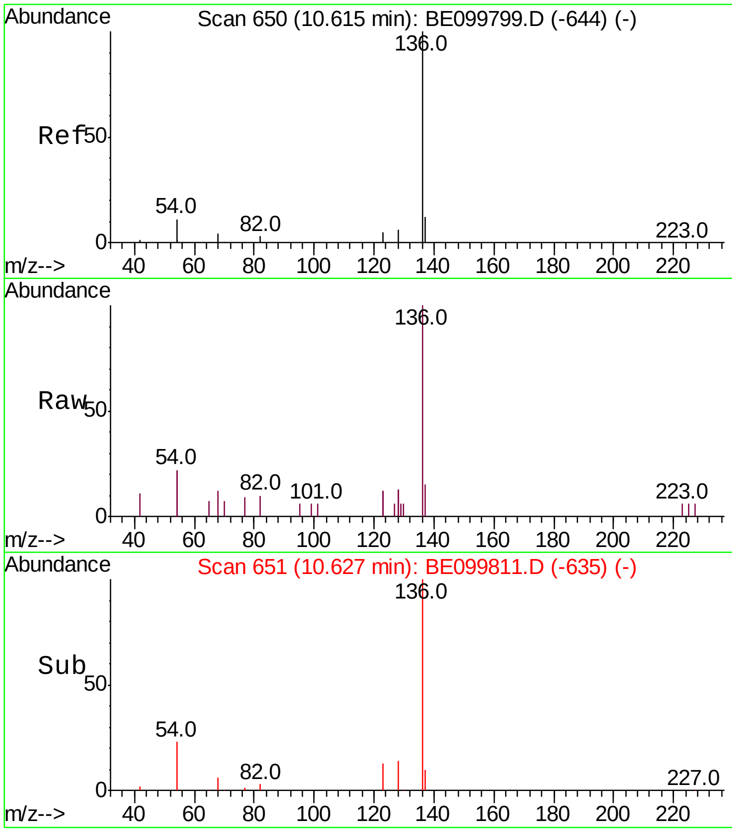


#6
bis(2-Chloroethyl)ether
Concen: 0.043 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion: 93 Resp: 102

Ion	Ratio	Lower	Upper
93	100		
63	295.1	208.8	313.2
95	53.9	27.6	41.4#



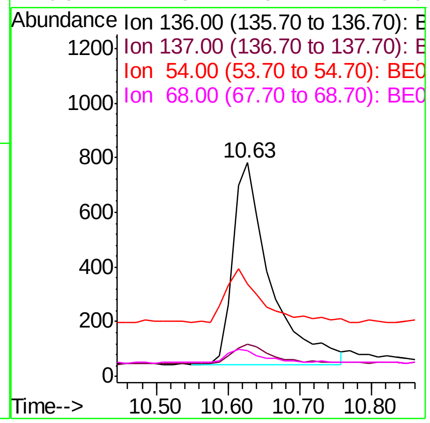


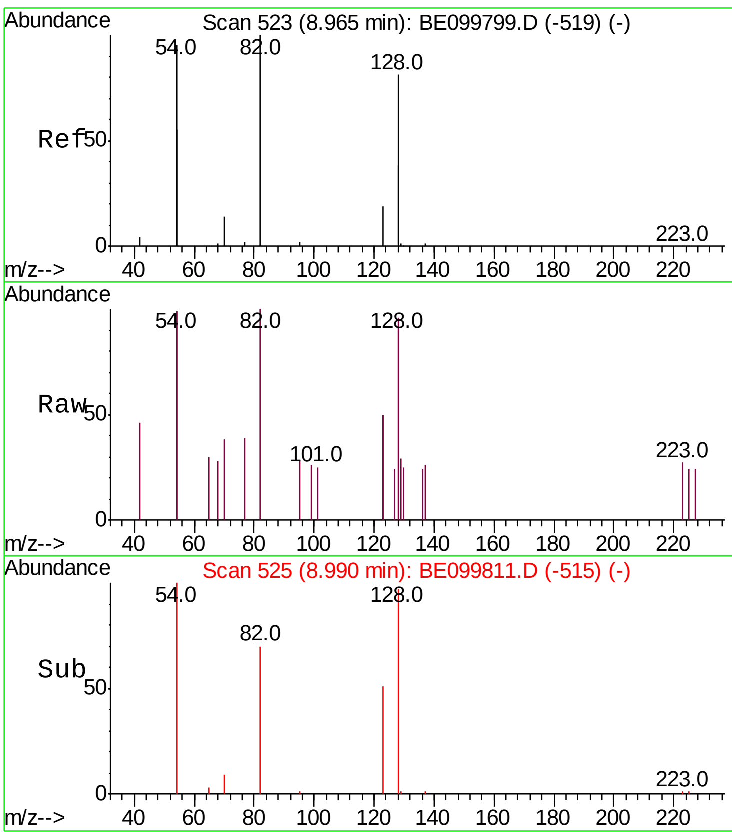
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:136 Resp: 2665

Ion	Ratio	Lower	Upper
136	100		
137	15.0	11.1	16.7
54	43.5	17.9	26.9#
68	11.8	5.4	8.0#

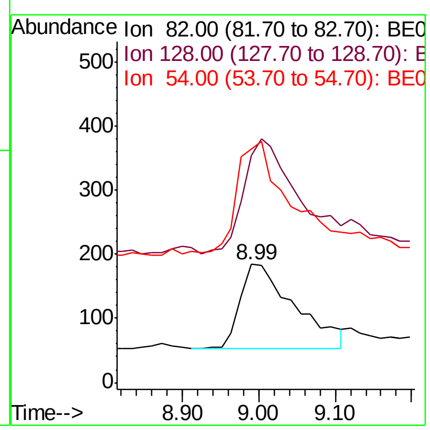


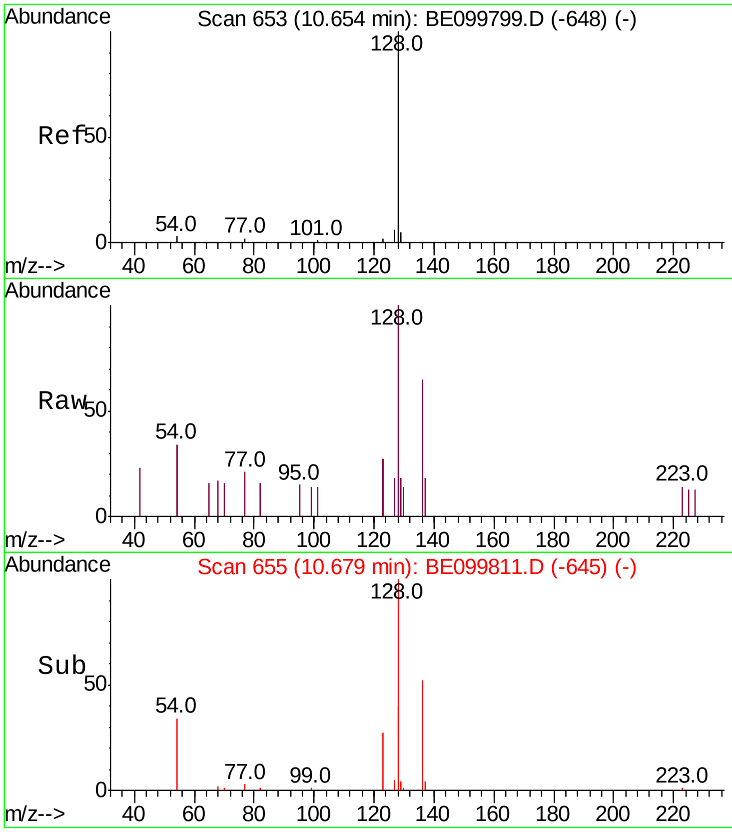


#8
Nitrobenzene-d5
Concen: 0.282 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.03 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion: 82 Resp: 661

Ion	Ratio	Lower	Upper
82	100		
128	192.4	116.6	175.0#
54	197.8	136.2	204.4



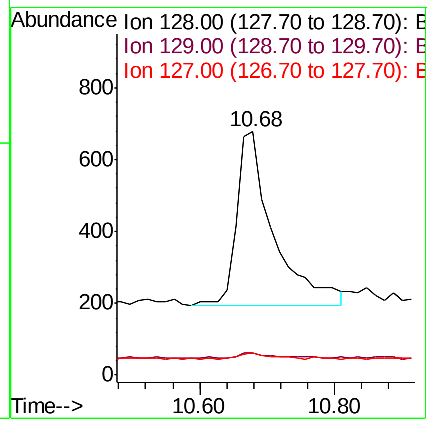


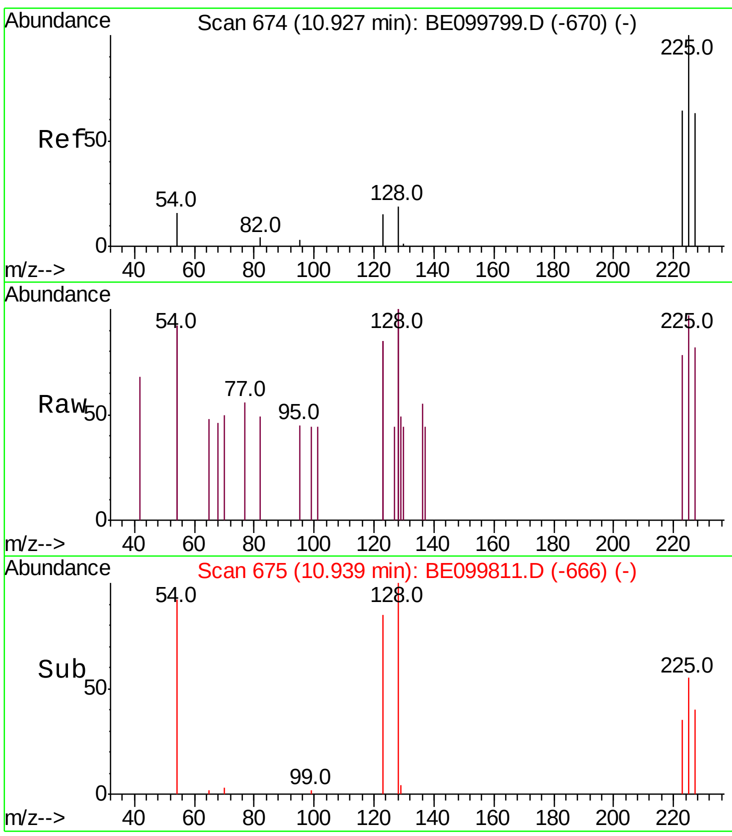
#9
Naphthalene
Concen: 0.065 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.03 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:128 Resp: 1849

Ion	Ratio	Lower	Upper
128	100		
129	9.1	2.6	4.0#
127	9.0	3.0	4.6#

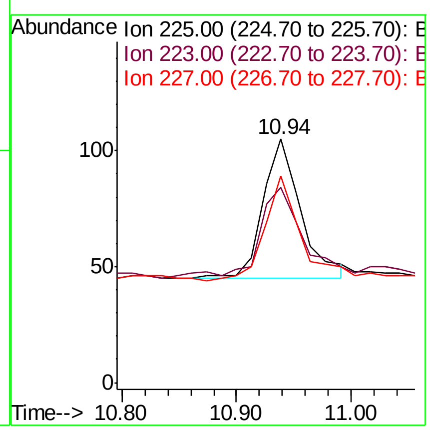


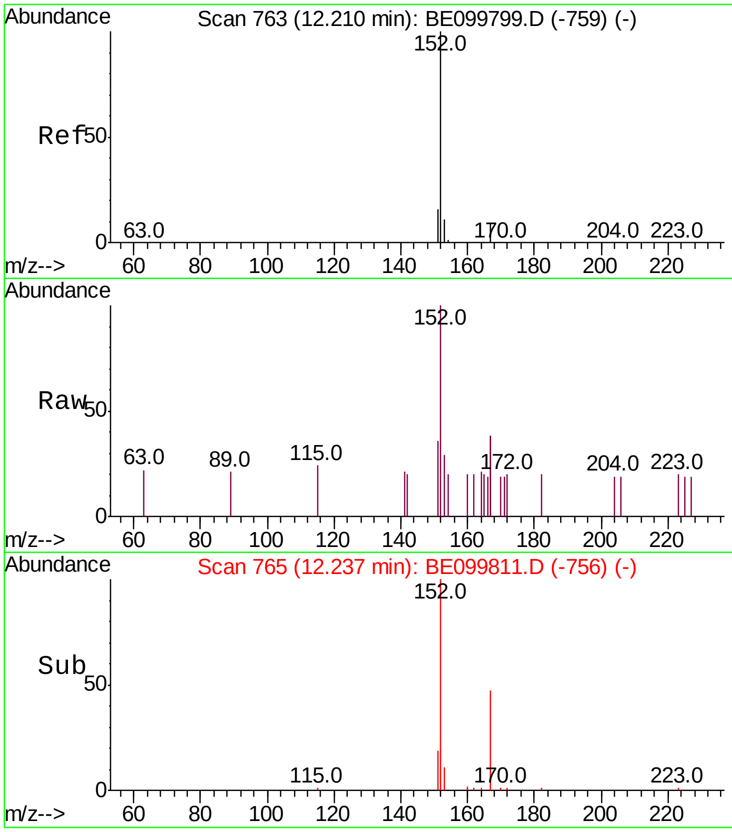


#10
Hexachlorobutadiene
Concen: 0.064 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:225 Resp: 138

Ion	Ratio	Lower	Upper
225	100		
223	63.0	48.6	72.8
227	70.3	51.6	77.4



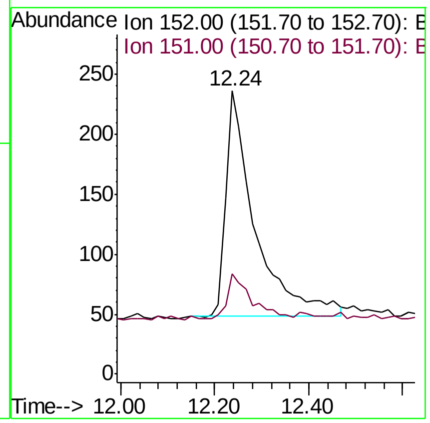


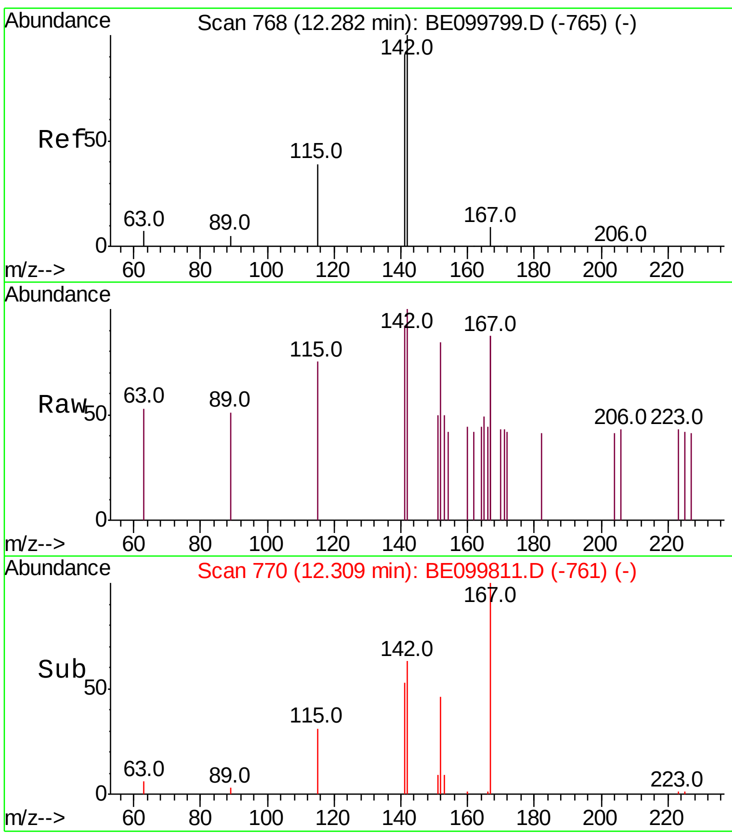
#11
2-Methylnaphthalene-d10
Concen: 0.178 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.03 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:152 Resp: 813

Ion	Ratio	Lower	Upper
152	100		
151	16.7	15.8	23.8

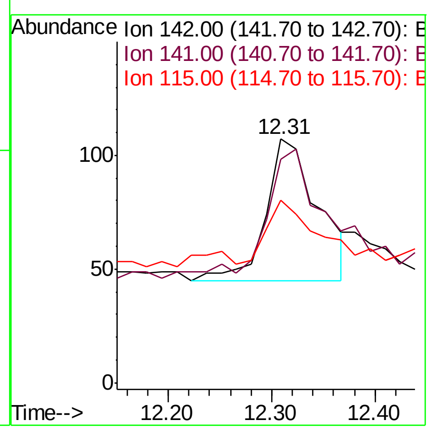


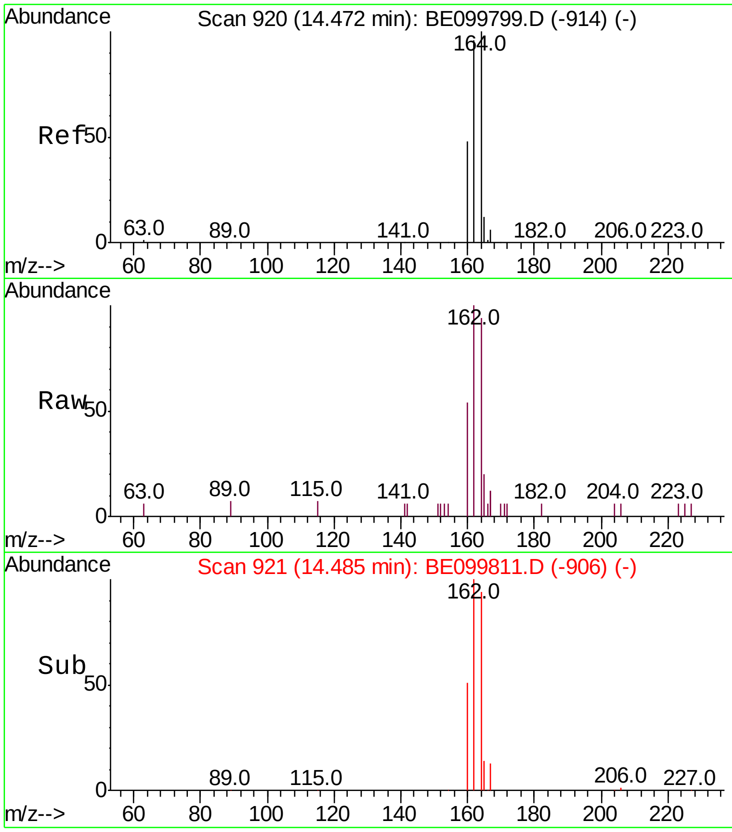


#12
2-Methylnaphthalene
Concen: 0.048 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.03 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:142 Resp: 218

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
115	74.8	33.4	50.2#



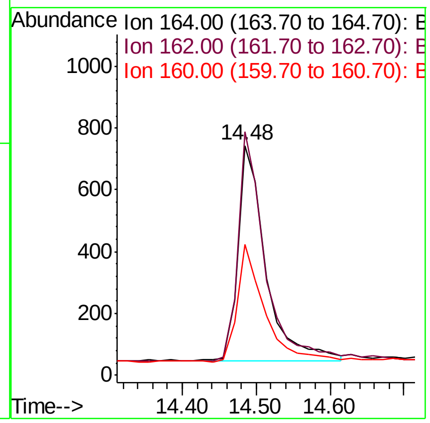


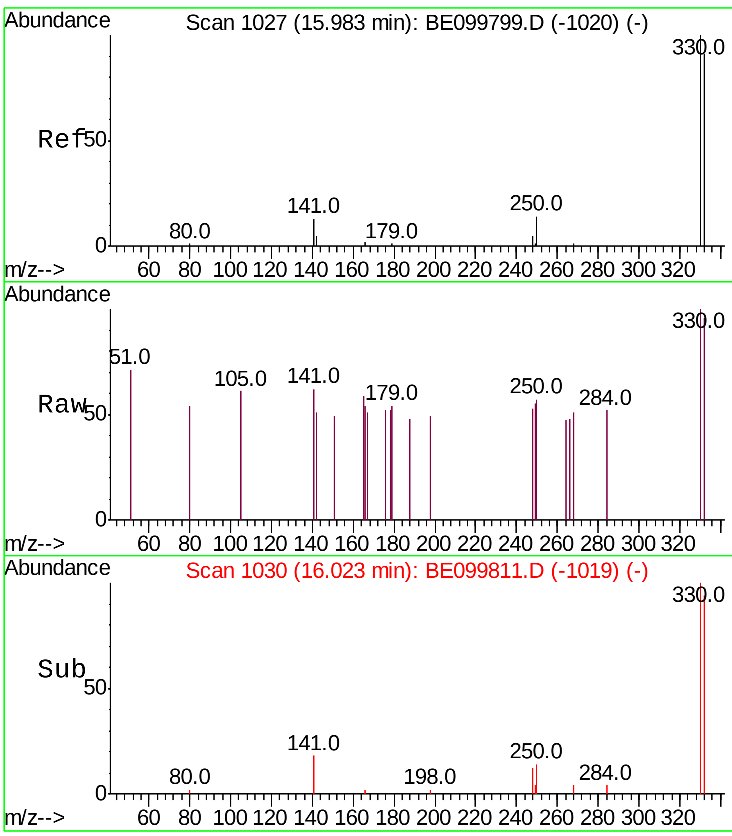
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:164 Resp: 1843

Ion	Ratio	Lower	Upper
164	100		
162	106.1	77.2	115.8
160	57.2	39.4	59.2

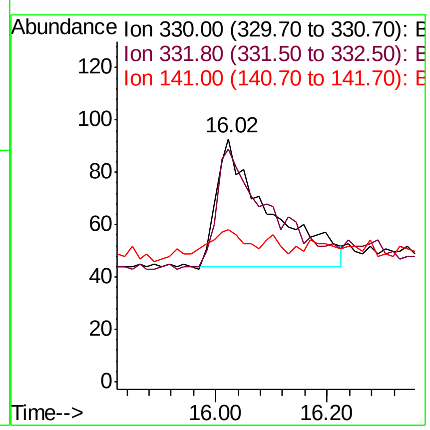


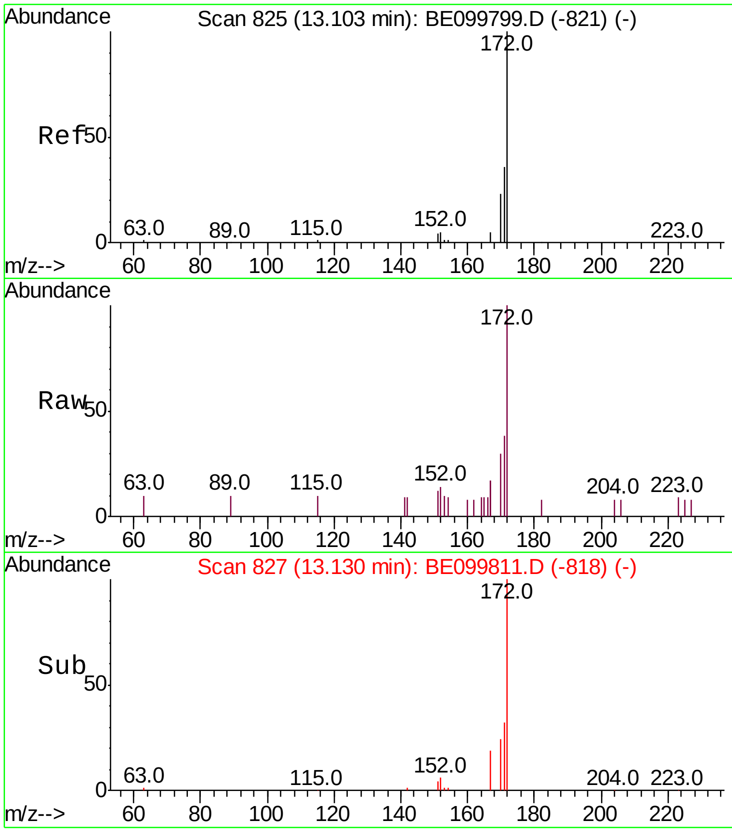


#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 16.02 min Scan# 1030
Delta R.T. 0.04 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:330 Resp: 321

Ion	Ratio	Lower	Upper
330	100		
332	90.3	74.9	112.3
141	12.5	16.0	24.0#



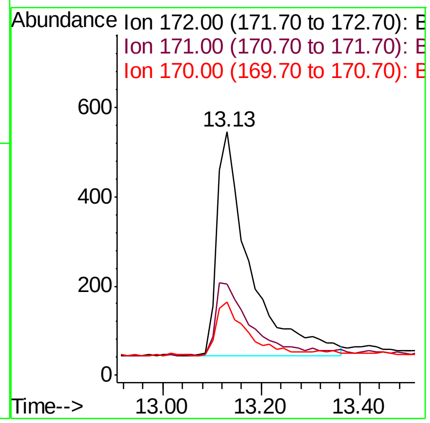


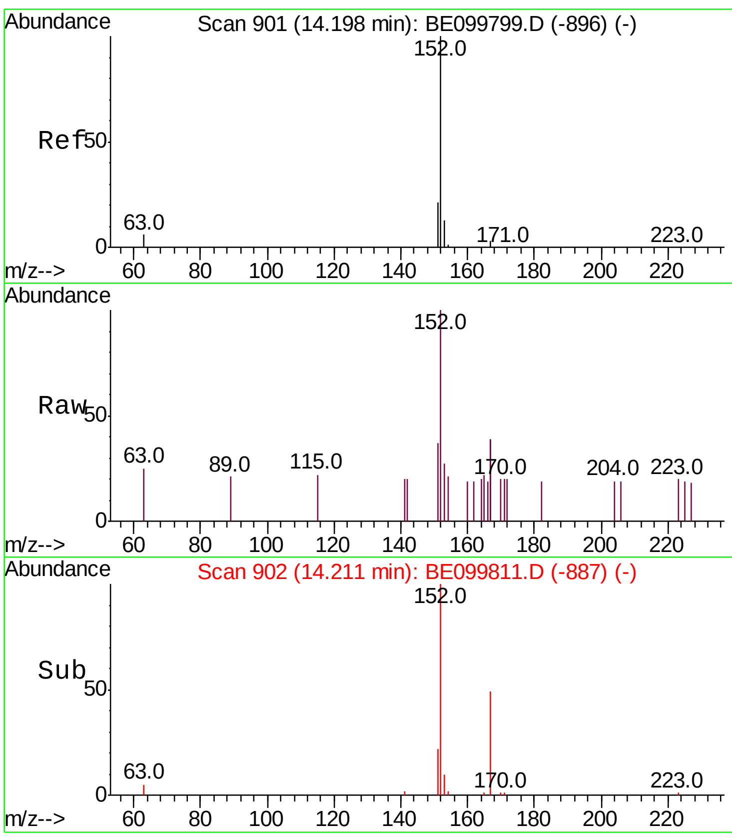
#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.03 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:172 Resp: 2292

Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.2	45.4
170	30.3	20.1	30.1#

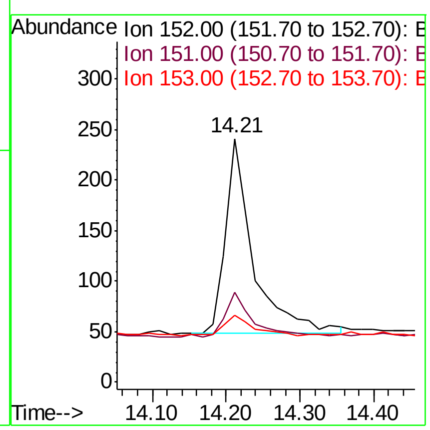


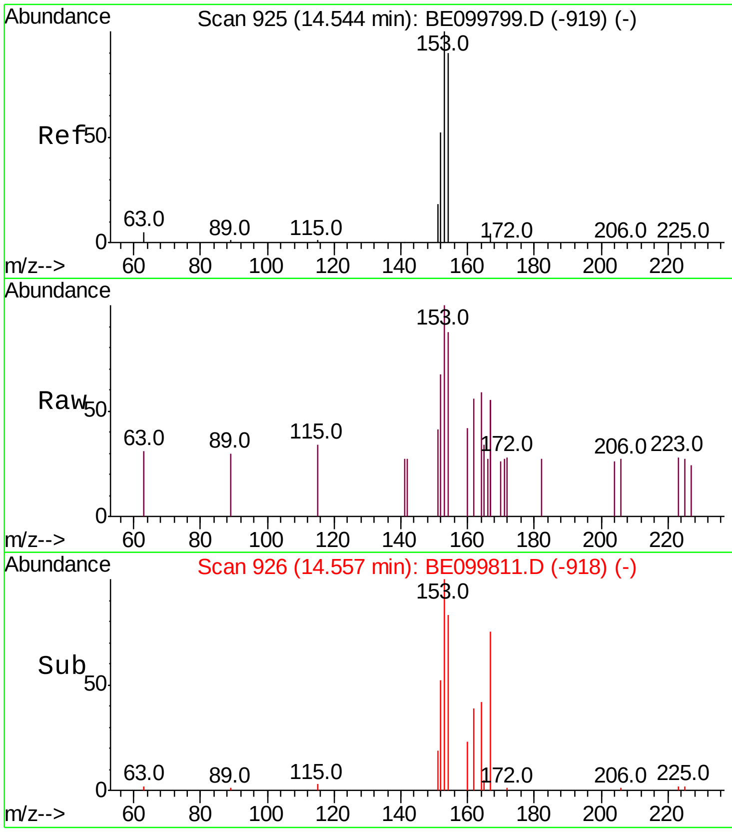


#16
Acenaphthylene
Concen: 0.056 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:152 Resp: 494

Ion	Ratio	Lower	Upper
152	100		
151	23.9	15.9	23.9#
153	11.7	10.8	16.2



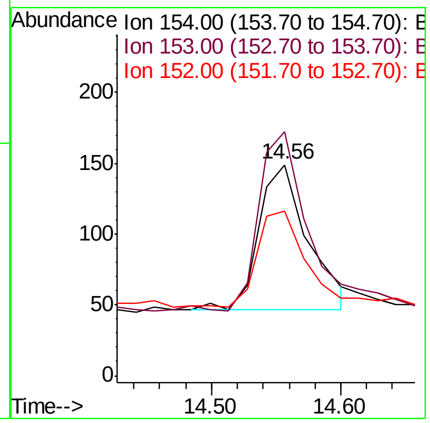


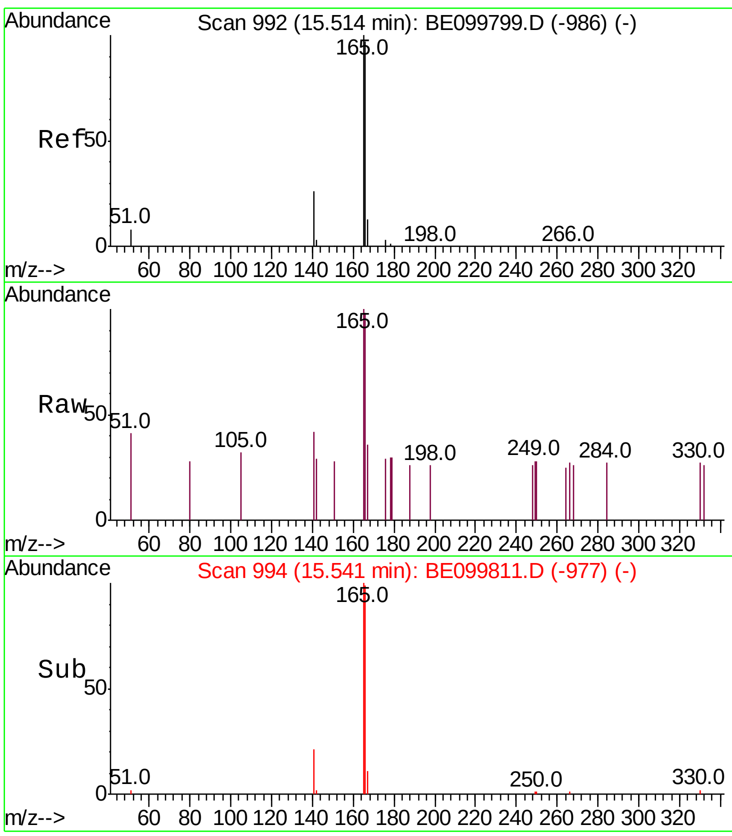
#17
Acenaphthene
Concen: 0.055 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:154 Resp: 268

Ion	Ratio	Lower	Upper
154	100		
153	117.9	93.8	140.6
152	63.8	48.3	72.5

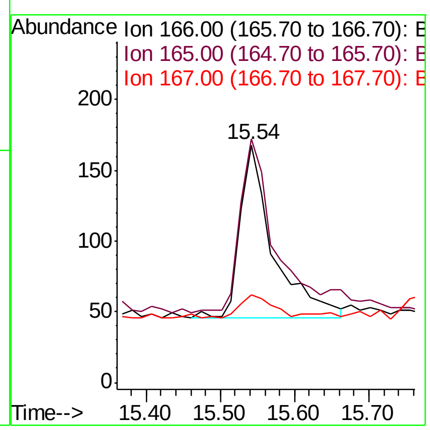


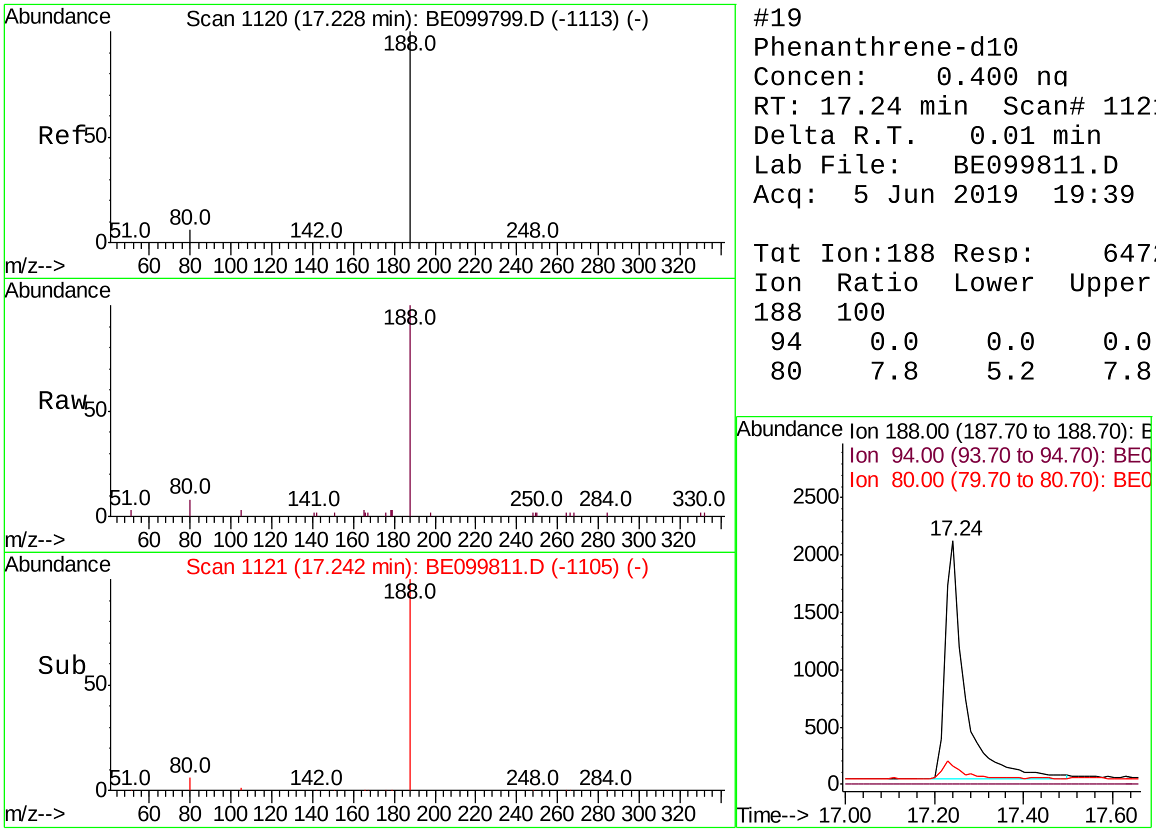


#18
Fluorene
Concen: 0.053 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.03 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:166 Resp: 377

Ion	Ratio	Lower	Upper
166	100		
165	113.3	80.4	120.6
167	12.5	10.7	16.1



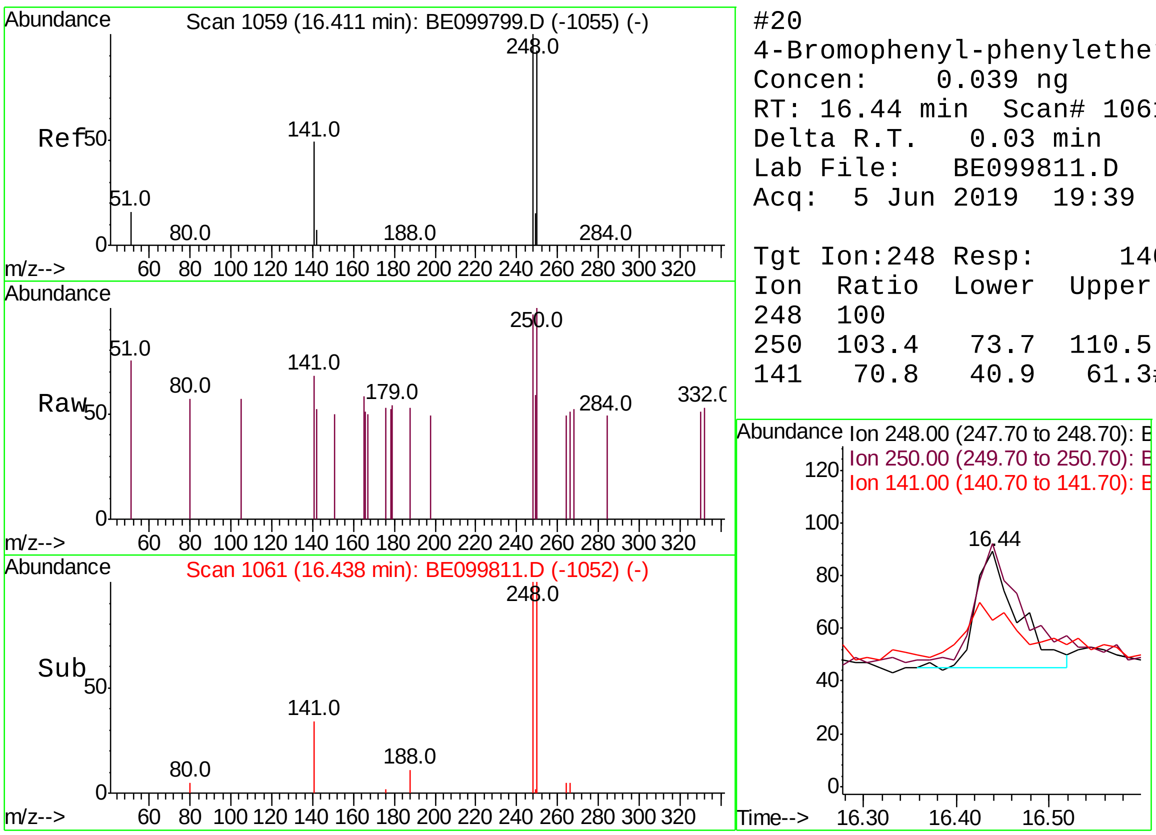


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:188 Resp: 6472

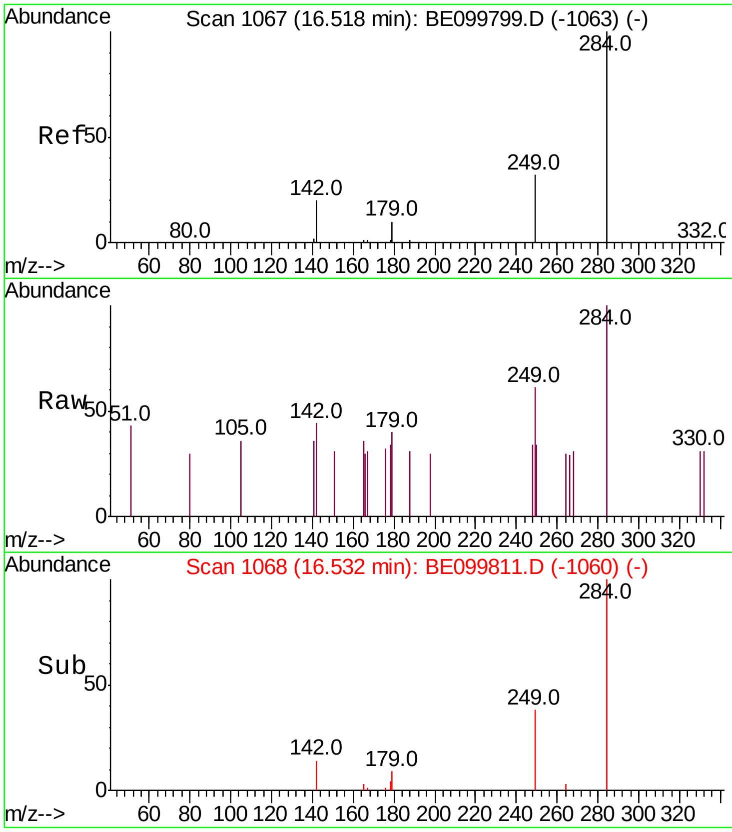
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	5.2	7.8



#20
4-Bromophenyl-phenylether
Concen: 0.039 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.03 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:248 Resp: 140

Ion	Ratio	Lower	Upper
248	100		
250	103.4	73.7	110.5
141	70.8	40.9	61.3#

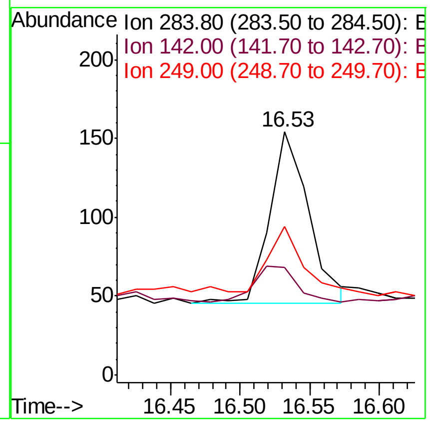


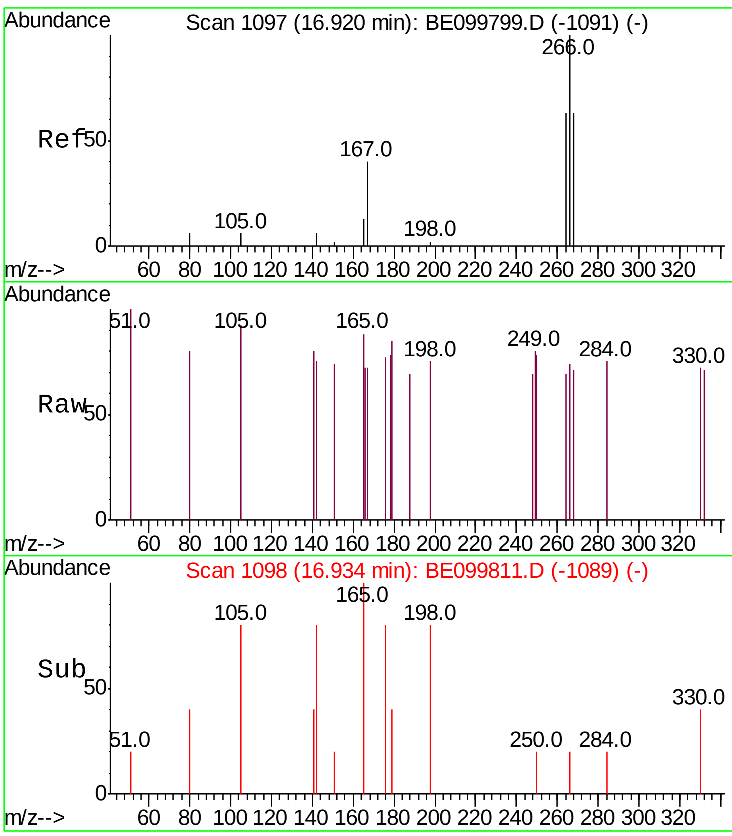
#21
Hexachlorobenzene
Concen: 0.055 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:284 Resp: 216

Ion	Ratio	Lower	Upper
284	100		
142	23.6	16.2	24.4
249	31.0	23.1	34.7

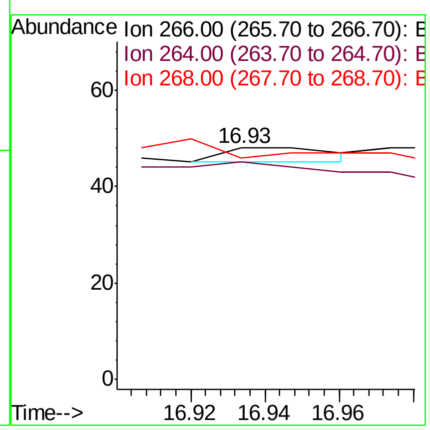


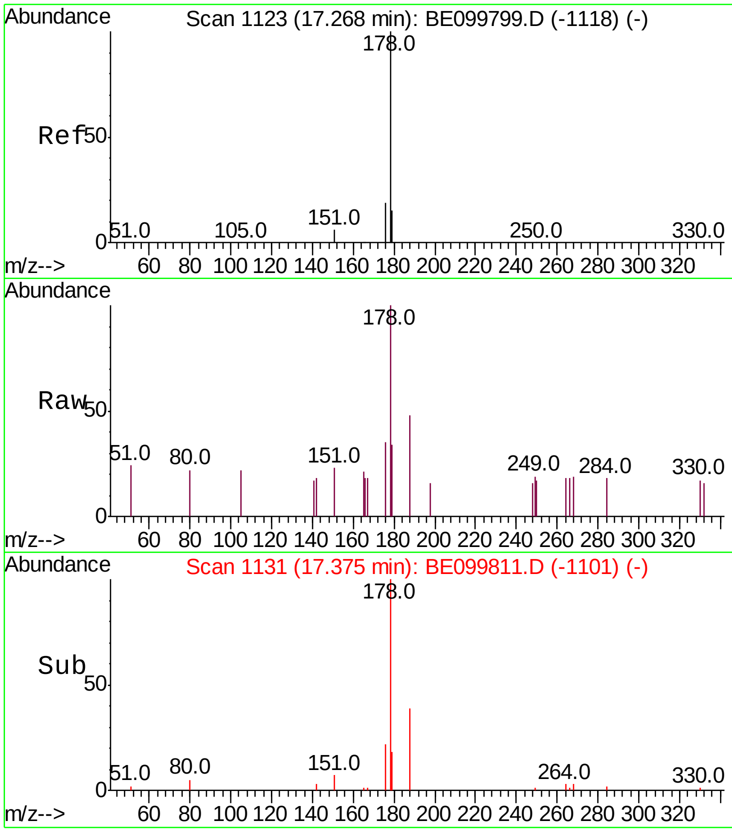


#22
Pentachlorophenol
Concen: 0.284 ng
RT: 16.93 min Scan# 1098
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:266 Resp: 6

Ion	Ratio	Lower	Upper
266	100		
264	93.8	64.9	97.3
268	95.8	64.0	96.0



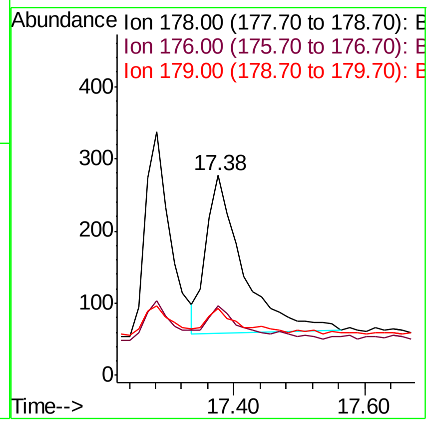


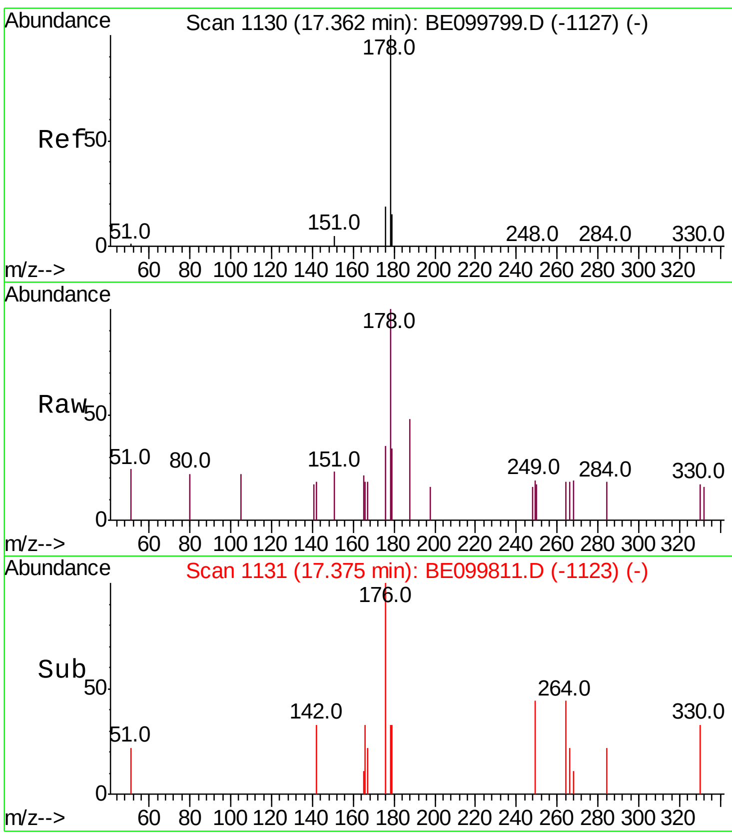
#23
Phenanthrene
Concen: 0.055 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.11 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:178 Resp: 846

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	13.1	12.5	18.7

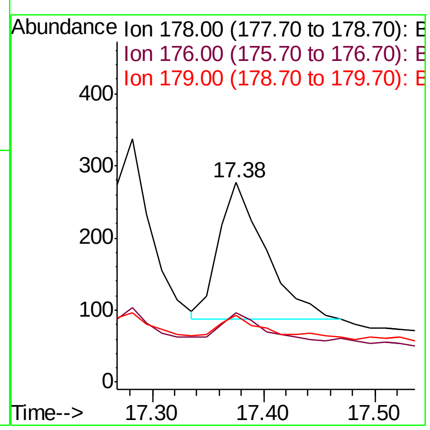


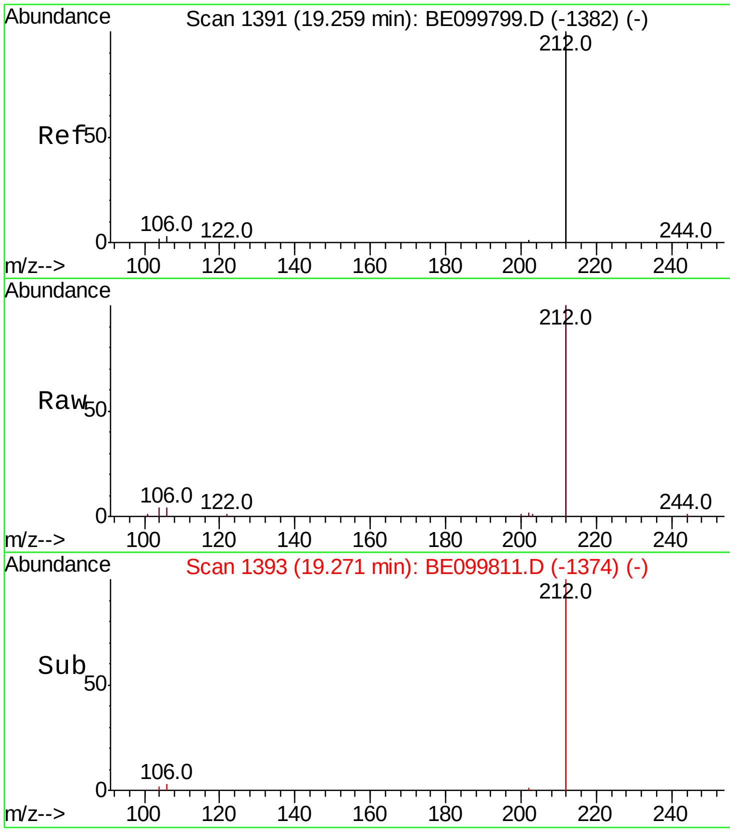


#24
Anthracene
Concen: 0.040 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:178 Resp: 556

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	14.6	12.1	18.1



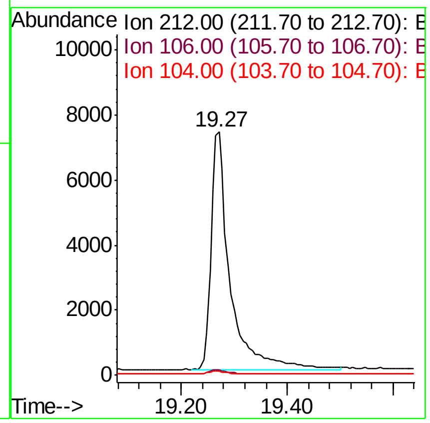


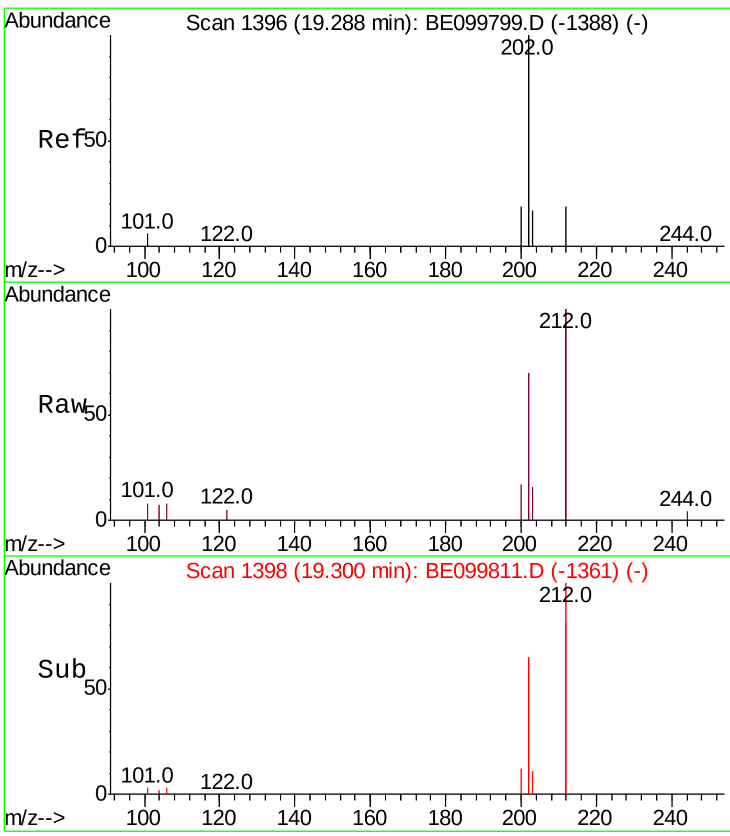
#25
Fluoranthene-d10
Concen: 0.189 ng
RT: 19.27 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:212 Resp: 18167

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.4	2.0
104	1.0	0.8	1.2

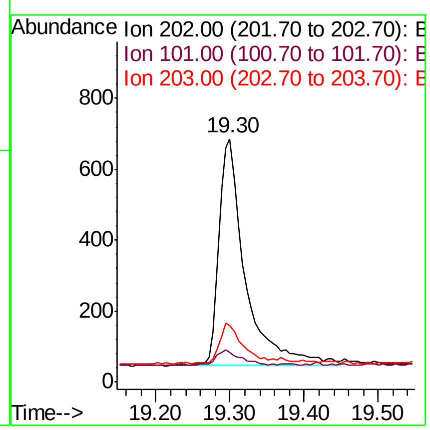


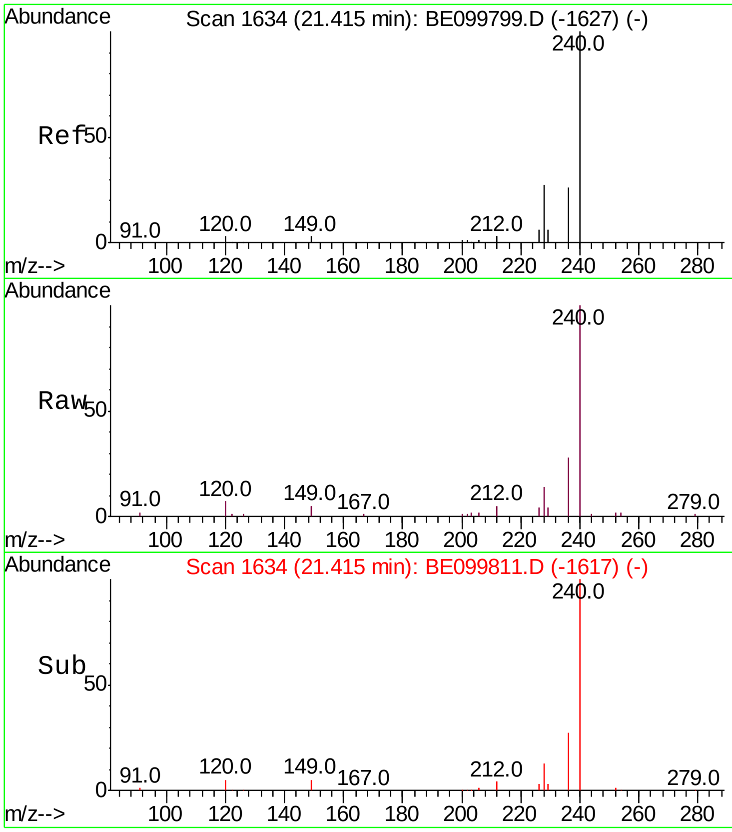


#26
Fluoranthene
Concen: 0.059 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:202 Resp: 1587

Ion	Ratio	Lower	Upper
202	100		
101	6.1	5.2	7.8
203	15.4	13.6	20.4



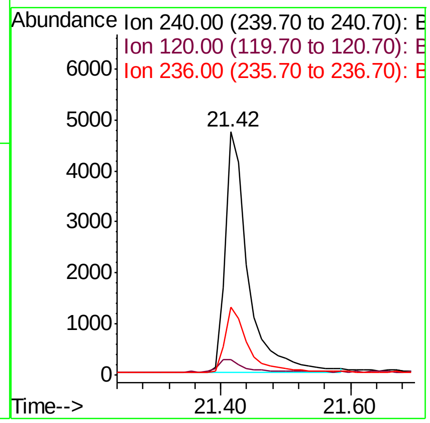


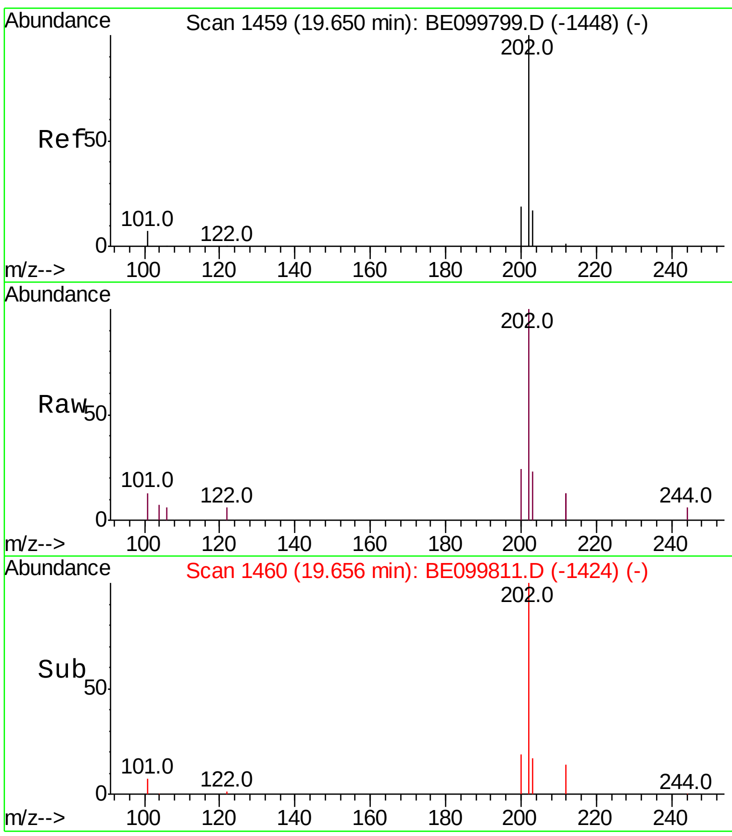
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:240 Resp: 11862

Ion	Ratio	Lower	Upper
240	100		
120	6.6	2.8	4.2#
236	27.8	20.9	31.3

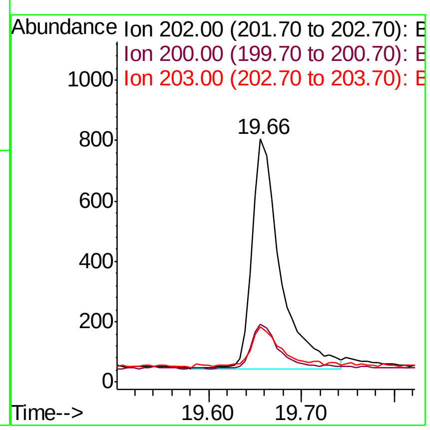


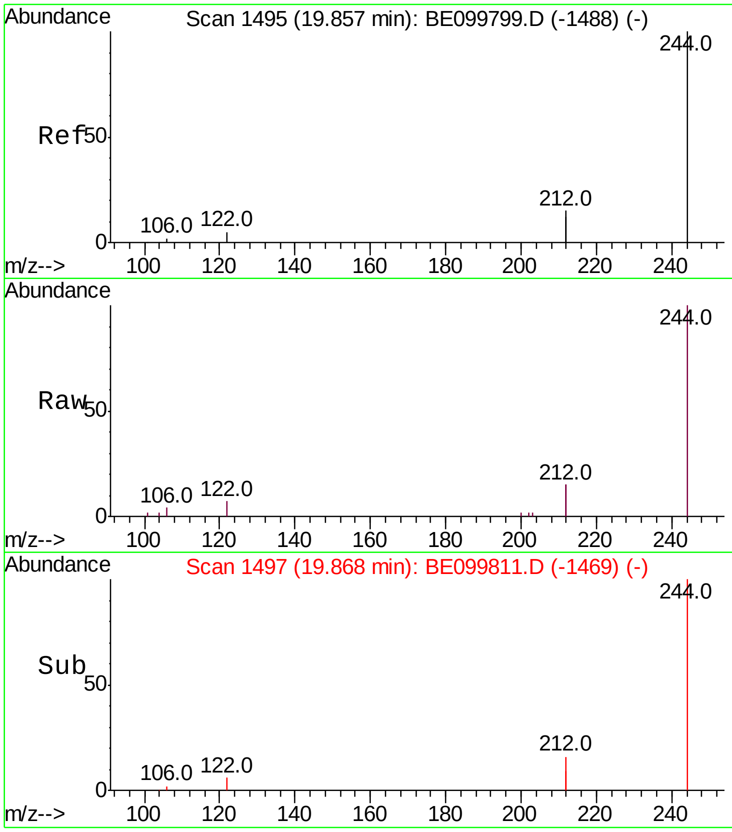


#28
Pyrene
Concen: 0.057 ng
RT: 19.66 min Scan# 1460
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:202 Resp: 1622

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.6	23.4
203	17.4	14.1	21.1



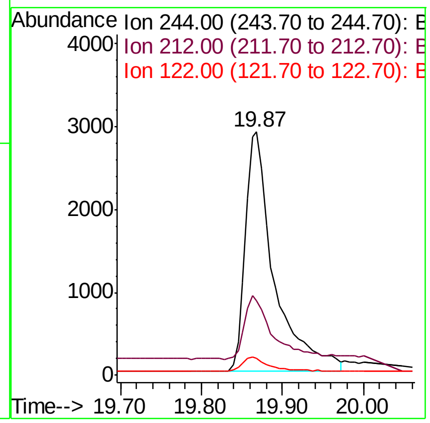


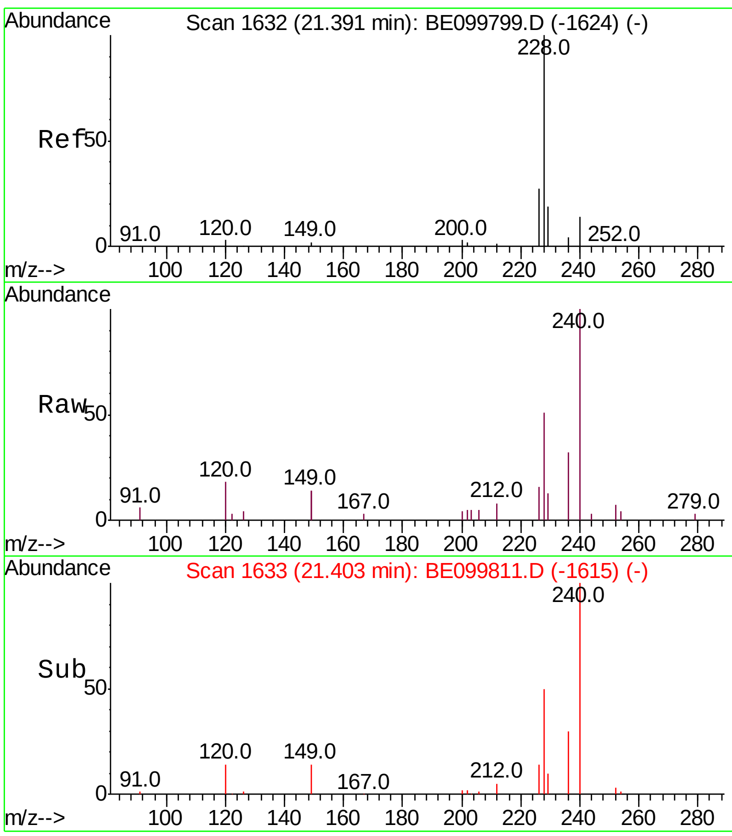
#29
Terphenyl-d14
Concen: 0.367 ng
RT: 19.87 min   Scan# 1497
Delta R.T.   0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019   19:39

Instrument : BNA_E
ClientSampleId : LOD-MDL-WATER-01-QT2-2019

Tgt Ion:244 Resp: 7136

Ion	Ratio	Lower	Upper
244	100		
212	30.8	23.7	35.5
122	7.2	4.8	7.2#

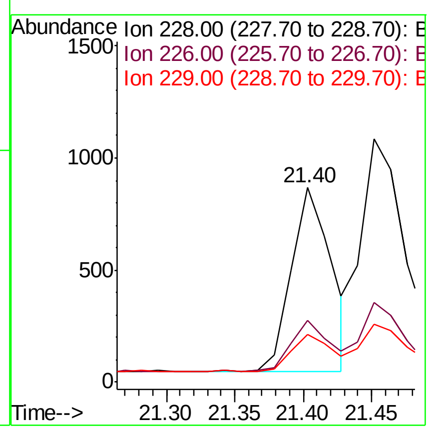


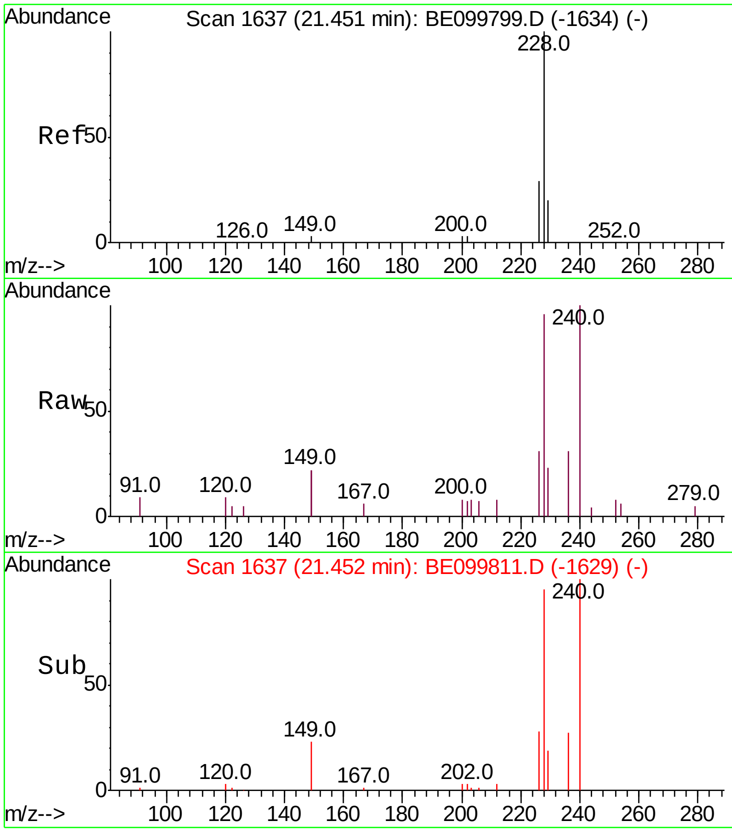


#30
Benzo(a)anthracene
Concen: 0.051 ng
RT: 21.40 min   Scan# 1633
Delta R.T.   0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019   19:39

Tgt Ion:228 Resp: 1669

Ion	Ratio	Lower	Upper
228	100		
226	31.9	21.6	32.4
229	24.6	15.8	23.6#



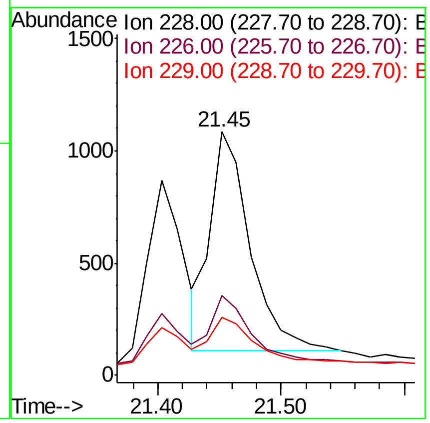


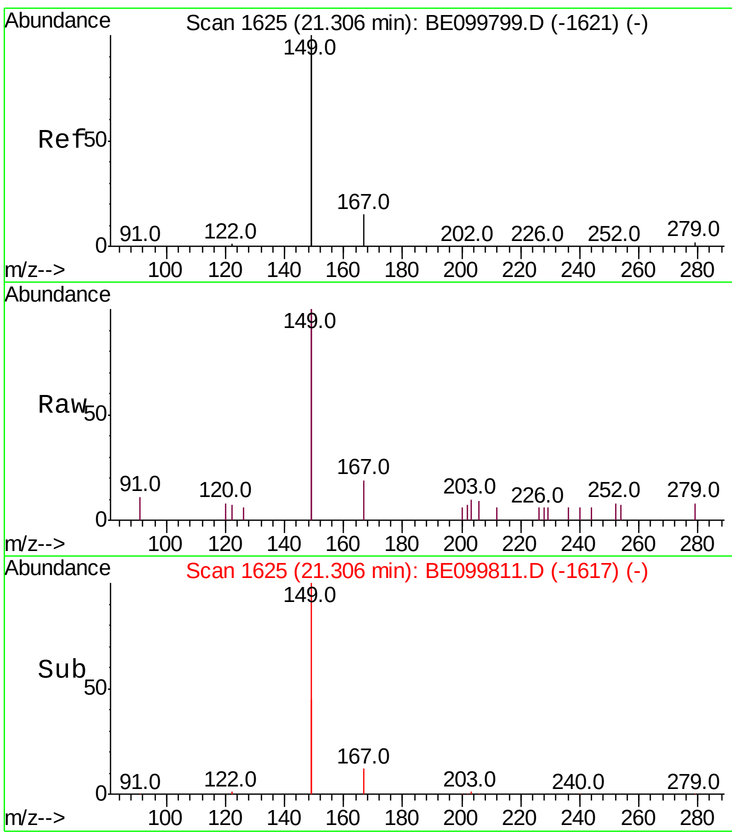
#31
Chrysene
Concen: 0.061 ng
RT: 21.45 min   Scan# 1637
Delta R.T.   0.00 min
Lab File: BE099811.D
Acq: 5 Jun 2019   19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:228 Resp: 2223

Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.9	34.3
229	24.0	16.4	24.6

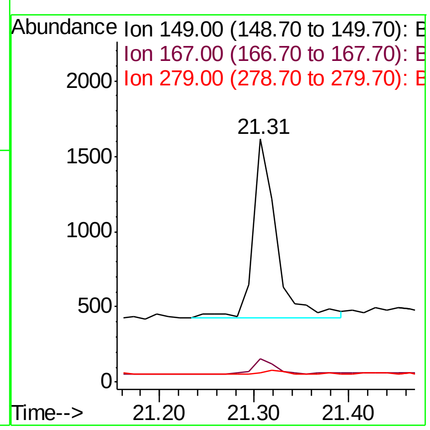


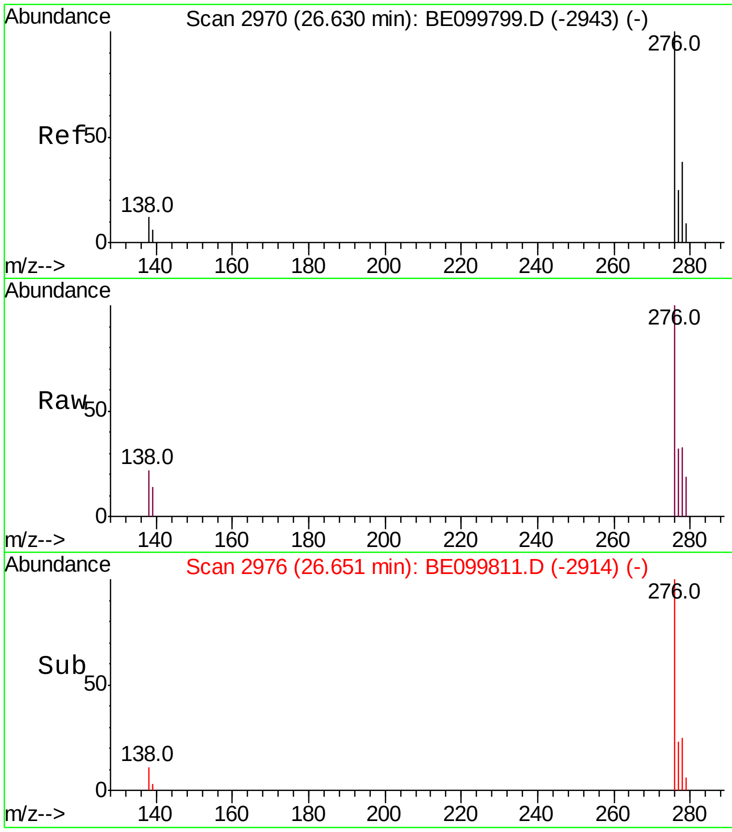


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.054 ng
RT: 21.31 min   Scan# 1625
Delta R.T.   0.00 min
Lab File: BE099811.D
Acq: 5 Jun 2019   19:39

Tgt Ion:149 Resp: 2018

Ion	Ratio	Lower	Upper
149	100		
167	8.1	6.0	9.0
279	1.9	1.2	1.8#



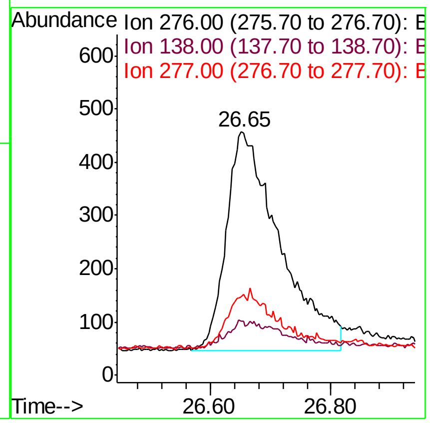


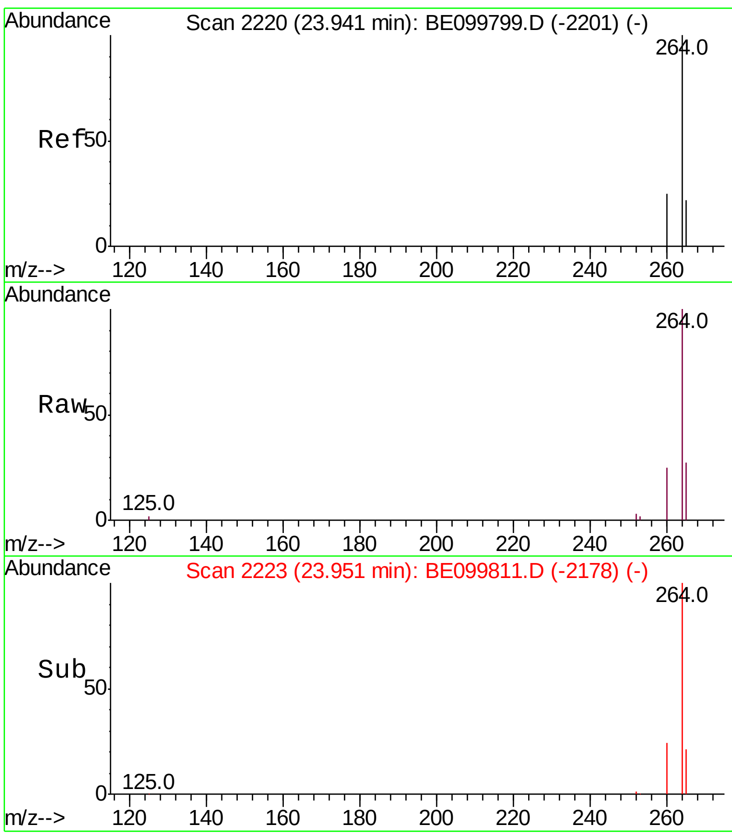
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.058 ng
RT: 26.65 min Scan# 2976
Delta R.T. 0.02 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tgt Ion:276 Resp: 2515

Ion	Ratio	Lower	Upper
276	100		
138	1.7	10.3	15.5#
277	9.8	19.4	29.2#

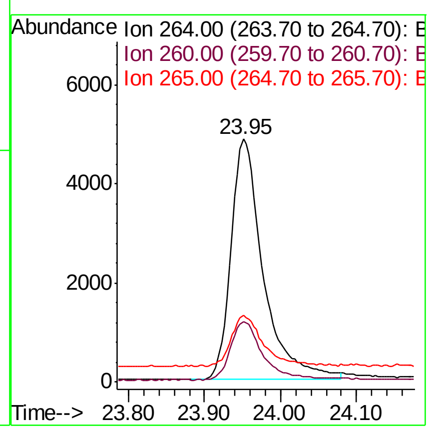


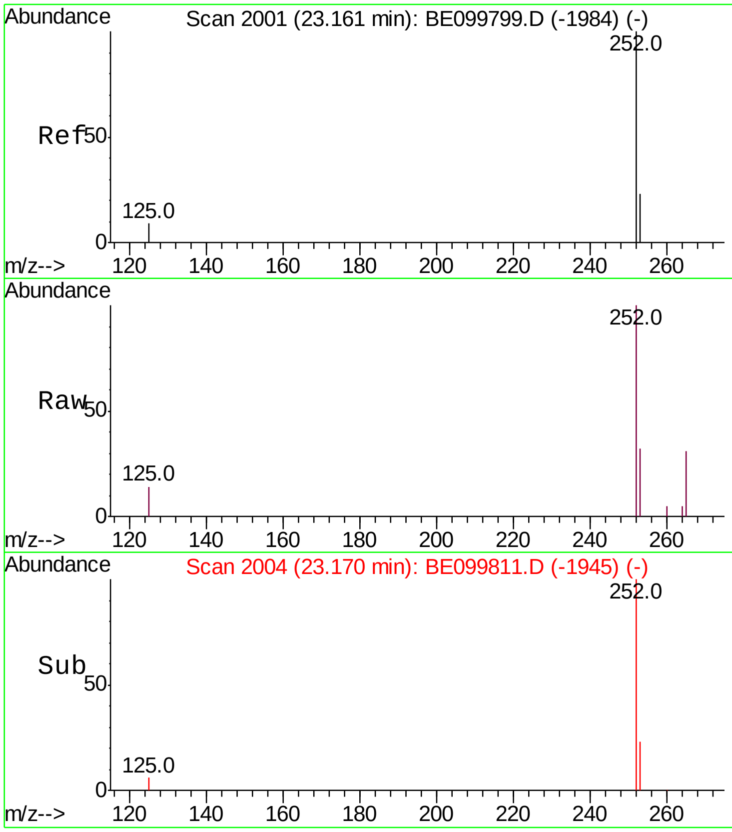


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:264 Resp: 14373

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	27.4	20.7	31.1



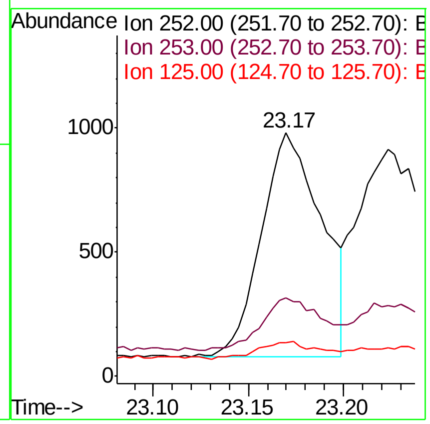


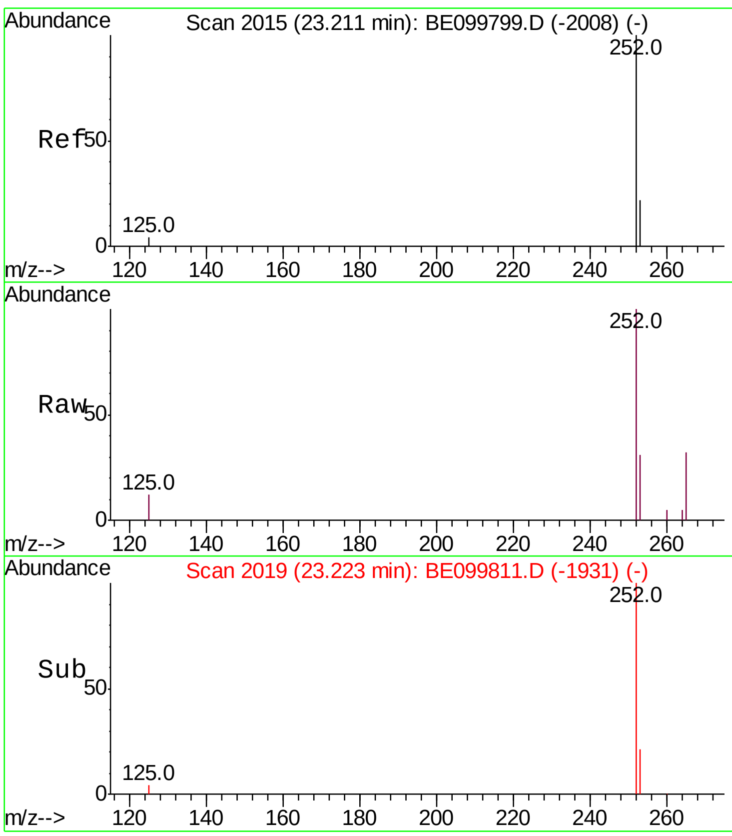
#35
Benzo(b)fluoranthene
Concen: 0.050 ng
RT: 23.17 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument : BNA_E
ClientSampleId : LOD-MDL-WATER-01-QT2-2019

Tgt Ion:252 Resp: 1998

Ion	Ratio	Lower	Upper
252	100		
253	32.0	18.9	28.3#
125	13.8	7.6	11.4#

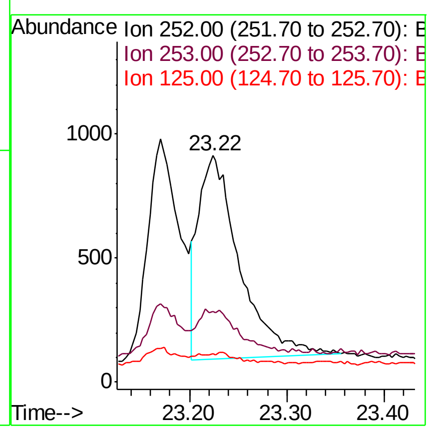


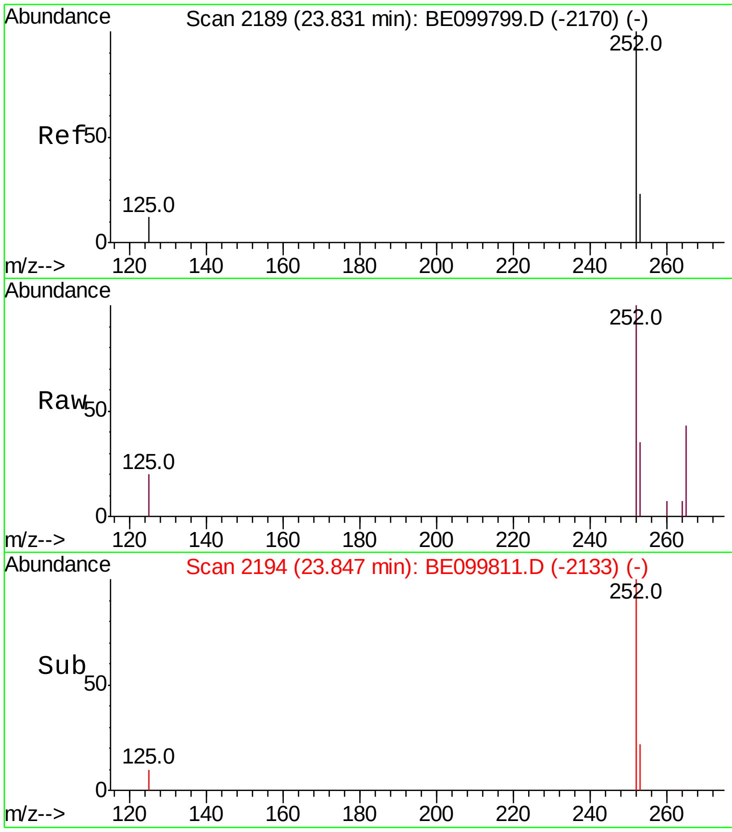


#36
Benzo(k)fluoranthene
Concen: 0.057 ng
RT: 23.22 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:252 Resp: 2411

Ion	Ratio	Lower	Upper
252	100		
253	31.1	18.4	27.6#
125	12.5	4.6	7.0#

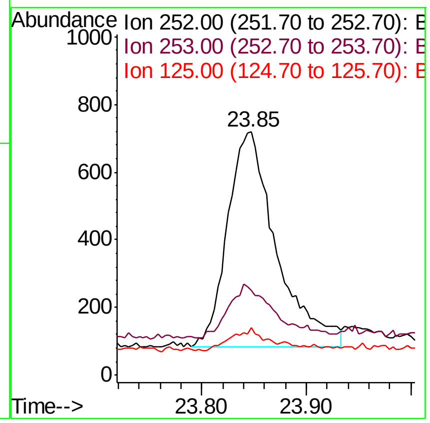


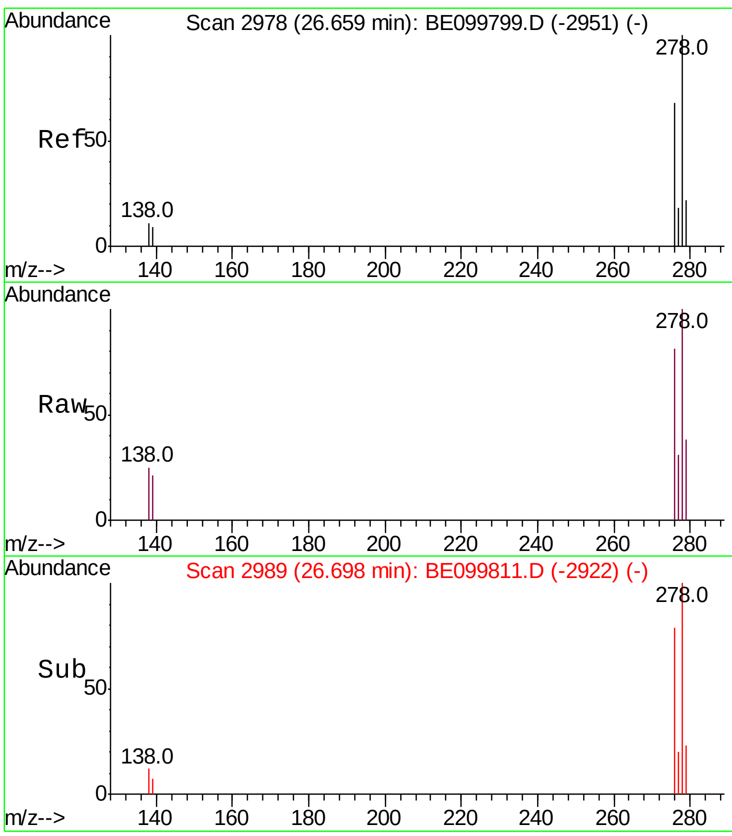


#37
Benzo(a)pyrene
Concen: 0.054 ng
RT: 23.85 min Scan# 2194
Delta R.T. 0.02 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

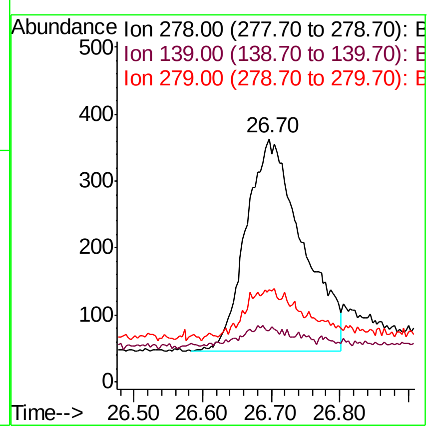
Tgt Ion:252	Resp:		2065
Ion	Ratio	Lower	Upper
252	100		
253	34.6	19.3	28.9#
125	19.6	10.2	15.4#

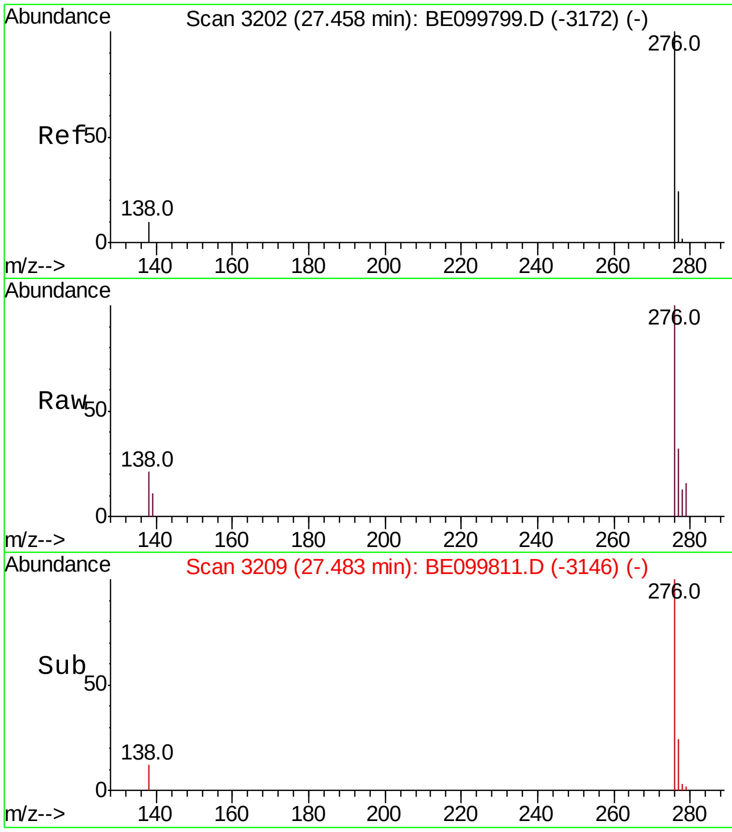




#38
Dibenzo(a,h)anthracene
Concen: 0.046 ng
RT: 26.70 min Scan# 2989
Delta R.T. 0.04 min
Lab File: BE099811.D
Acq: 5 Jun 2019 19:39

Tgt Ion:278	Resp:		1815
Ion	Ratio	Lower	Upper
278	100		
139	21.2	7.9	11.9#
279	37.7	18.5	27.7#






```
#39
Benzo(g,h,i)perylene
Concen:     0.057 ng
RT: 27.48 min   Scan# 3209
Delta R.T.    0.02 min
Lab File:    BE099811.D
Acq:  5 Jun 2019  19:39

Tgt Ion:276 Resp:     2333
Ion  Ratio   Lower   Upper
276  100
277   32.3    19.6    29.4#
138   20.7     9.0    13.4#
```

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019