Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061119\
Data File : BE099932.D
Acq On : 11 Jun 2019 19:56
Operator : JU/SJ
Sample : K2241-09
Misc : MDL-WATER-0.1PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : MDL-MDL-WATER-03-QT2-2019

Quant Time: Jun 12 03:45:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	666	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	2344	0.40	ng		0.00
13) Acenaphthene-d10	14.44	164	2083	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	7020	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	8134	0.40	ng		-0.04
34) Perylene-d12	23.87	264	9449	0.40	ng		-0.06
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	1566	0.87	ng		0.00
5) Phenol-d6	6.96	99	1987	0.86	ng		0.00
8) Nitrobenzene-d5	8.98	82	1352	0.61	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	1638	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	863	0.56	ng		-0.03
15) 2-Fluorobiphenyl	13.09	172	5167	0.65	ng		-0.01
25) Fluoranthene-d10	19.22	212	35452	0.35	ng		-0.03
29) Terphenyl-d14	19.82	244	13388	0.91	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	164	0.166	ng	#	71
3) n-Nitrosodimethylamine	3.53	42	17	0.030	ng	#	100
6) bis(2-Chloroethyl)ether	7.22	93	169	0.089	ng	#	93
9) Naphthalene	10.65	128	3152	0.125	ng	#	90
10) Hexachlorobutadiene	10.90	225	249	0.129	ng		97
12) 2-Methylnaphthalene	12.28	142	493	0.120	ng	#	93
16) Acenaphthylene	14.17	152	1126	0.109	ng		98
17) Acenaphthene	14.51	154	606	0.107	ng		96
18) Fluorene	15.49	166	974	0.115	ng		97
20) 4-Bromophenyl-phenylether	16.38	248	443	0.111	ng	#	88
21) Hexachlorobenzene	16.49	284	495	0.122	ng		97
22) Pentachlorophenol	16.91	266	41	0.321	ng		91
23) Phenanthrene	17.23	178	1844	0.108	ng		99
24) Anthracene	17.32	178	1298	0.083	ng		98
26) Fluoranthene	19.25	202	3029	0.105	ng		99
28) Pyrene	19.61	202	3004	0.141	ng		98
30) Benzo(a)anthracene	21.35	228	2438	0.100	ng		95
31) Chrysene	21.40	228	3212	0.128	ng		97
32) Bis(2-ethylhexyl)phthalate	21.26	149	3288	0.094	ng	#	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	2864	0.096	ng	#	69
35) Benzo(b)fluoranthene	23.10	252	2699	0.102	ng	#	87
36) Benzo(k)fluoranthene	23.15	252	3260	0.118	ng	#	85
37) Benzo(a)pyrene	23.76	252	3146	0.121	ng	#	75
38) Dibenzo(a,h)anthracene	26.58	278	2313	0.088	ng	#	68
39) Benzo(g,h,i)perylene	27.34	276	2888	0.106	ng	#	83

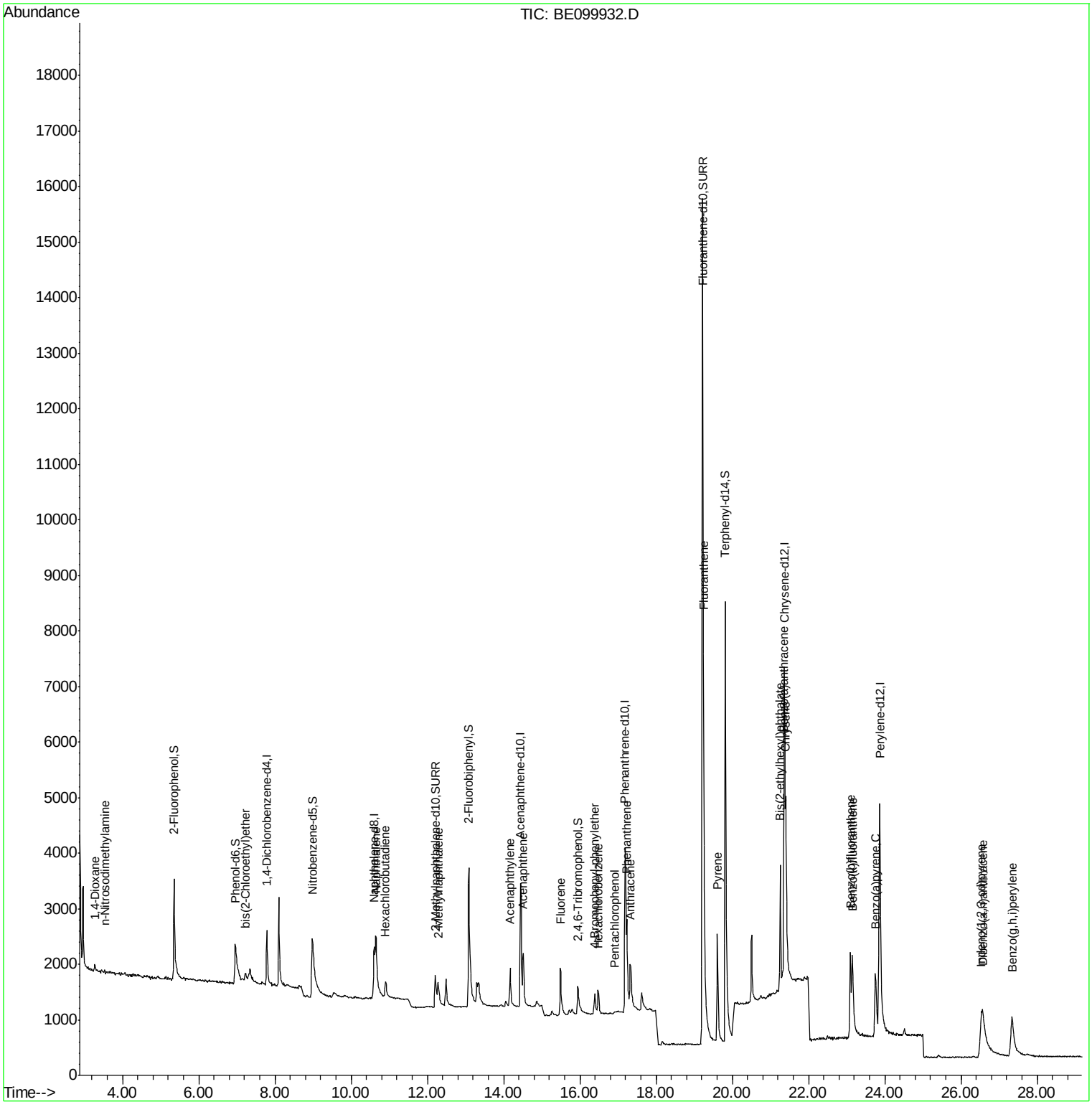
(#) = qualifier out of range (m) = manual integration (+) = signals summed

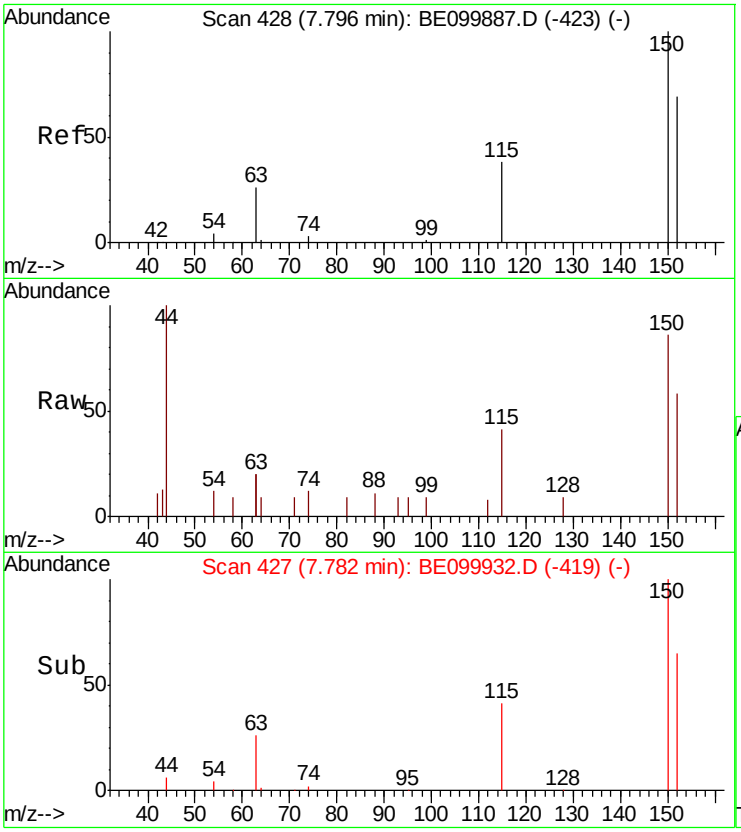
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061119\
Data File : BE099932.D
Acq On : 11 Jun 2019 19:56
Operator : JU/SJ
Sample : K2241-09
Misc : MDL-WATER-0.1PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Quant Time: Jun 12 03:45:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration



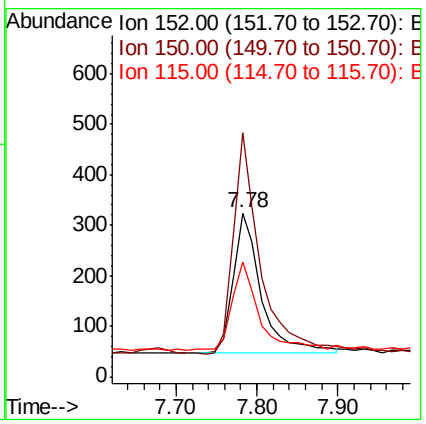


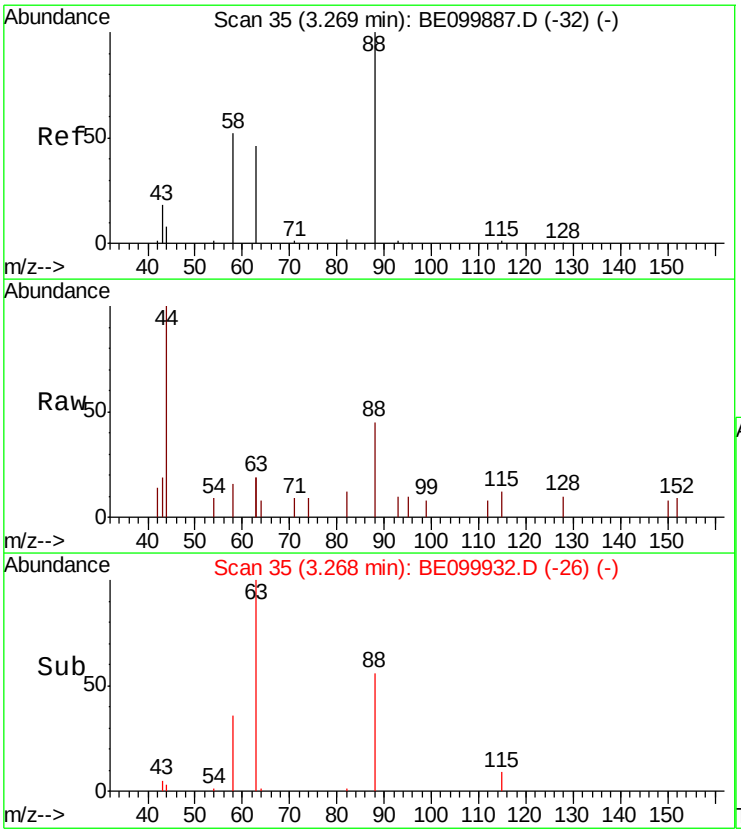
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:152 Resp: 666

Ion	Ratio	Lower	Upper
152	100		
150	149.1	111.0	166.6
115	70.1	50.7	76.1

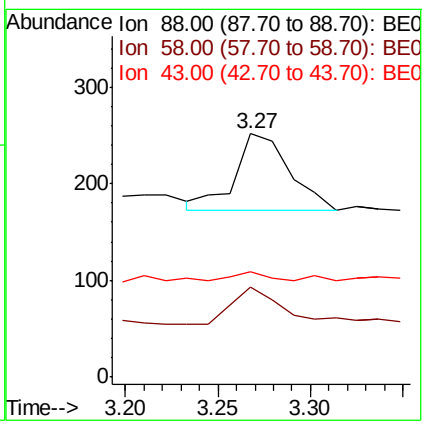


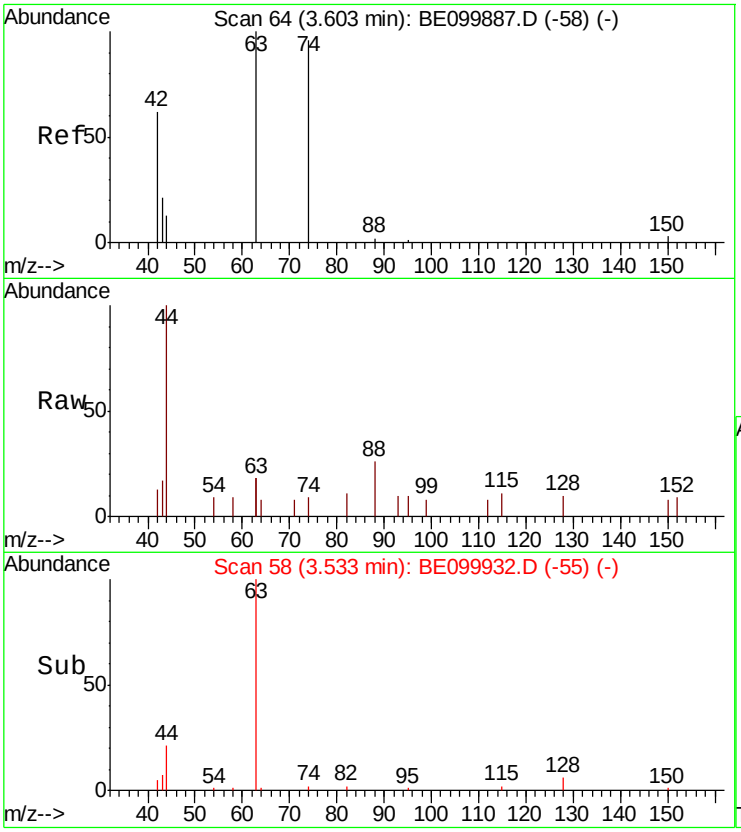


#2
1,4-Dioxane
Concen: 0.166 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion: 88 Resp: 164

Ion	Ratio	Lower	Upper
88	100		
58	40.2	48.8	73.2#
43	7.9	19.0	28.6#



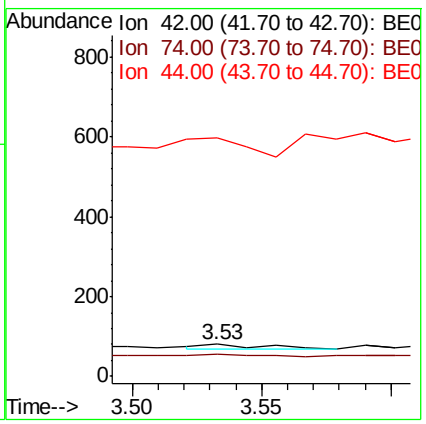


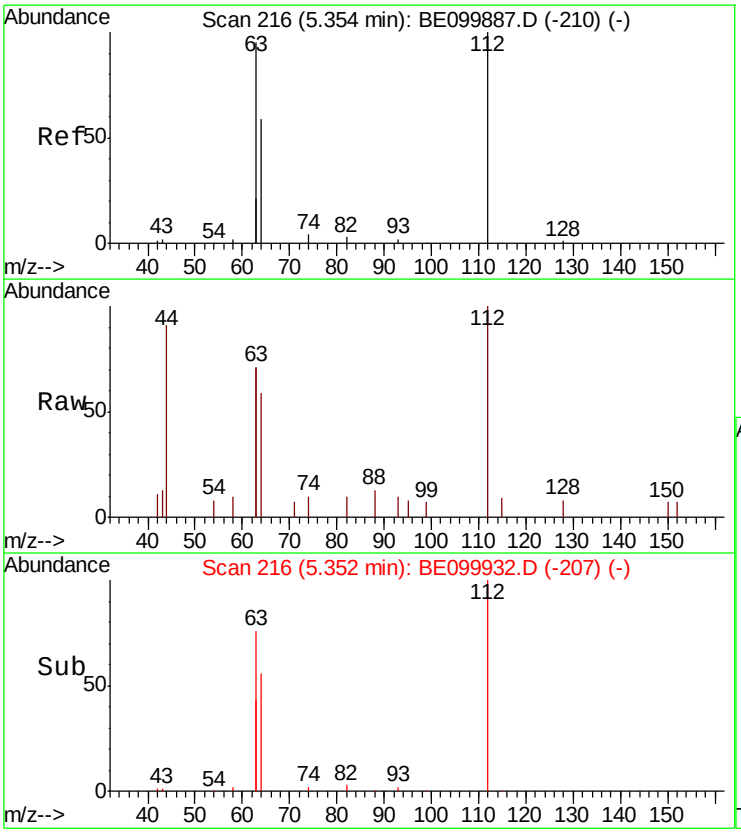
#3
n-Nitrosodimethylamine
Concen: 0.030 ng
RT: 3.53 min Scan# 58
Delta R.T. -0.07 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion: 42 Resp: 17

Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	0.0	0.0	0.0

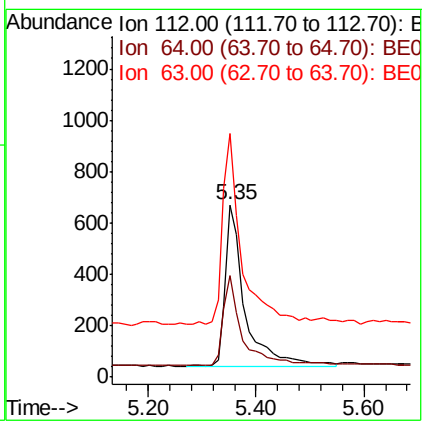


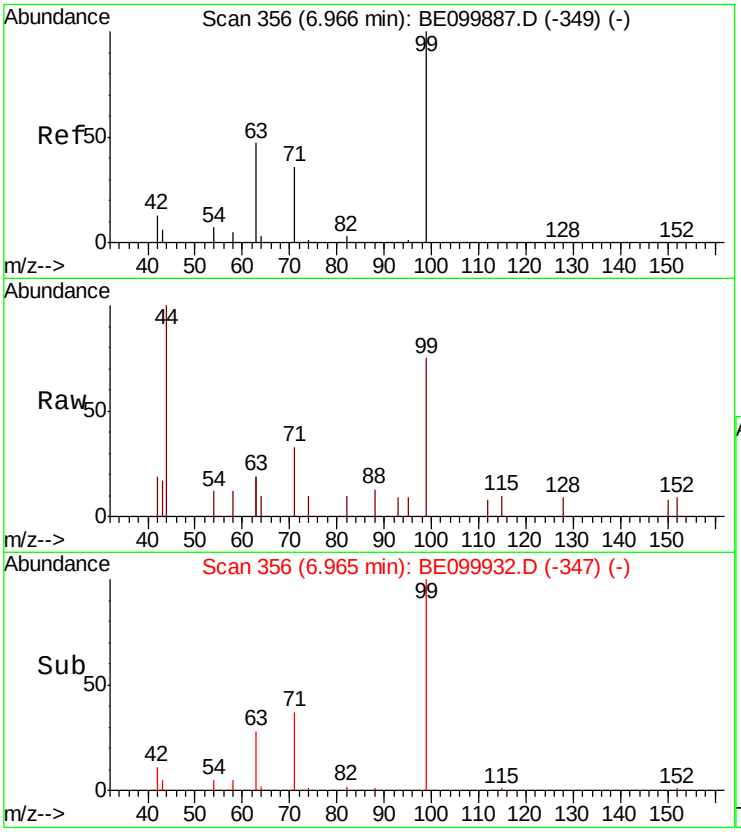


#4
2-Fluorophenol
Concen: 0.871 ng
RT: 5.35 min Scan# 216
Delta R.T. -0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:112 Resp: 1566

Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.1	66.1
63	117.6	87.8	131.6



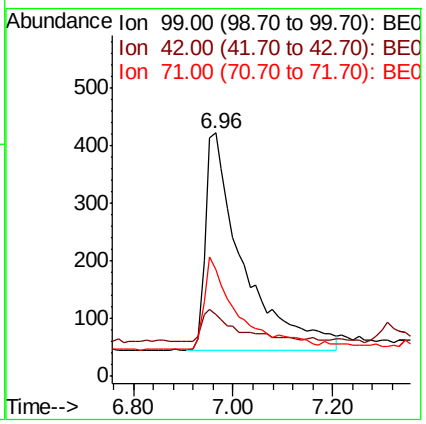


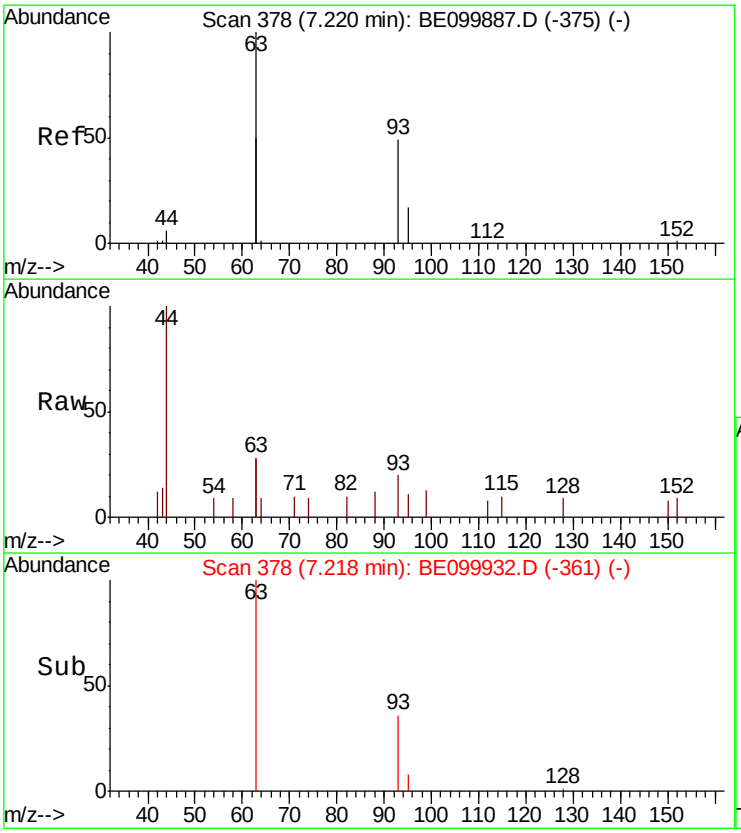
#5
Phenol-d6
Concen: 0.858 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion: 99 Resp: 1987

Ion	Ratio	Lower	Upper
99	100		
42	13.0	15.9	23.9#
71	37.1	34.6	52.0

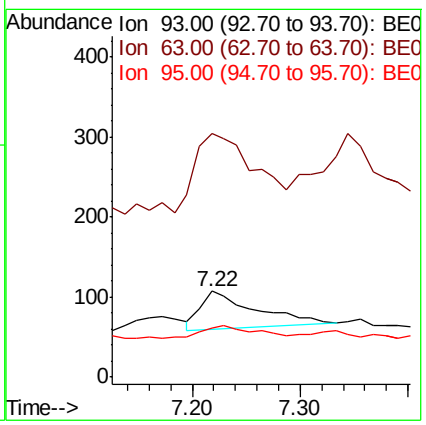


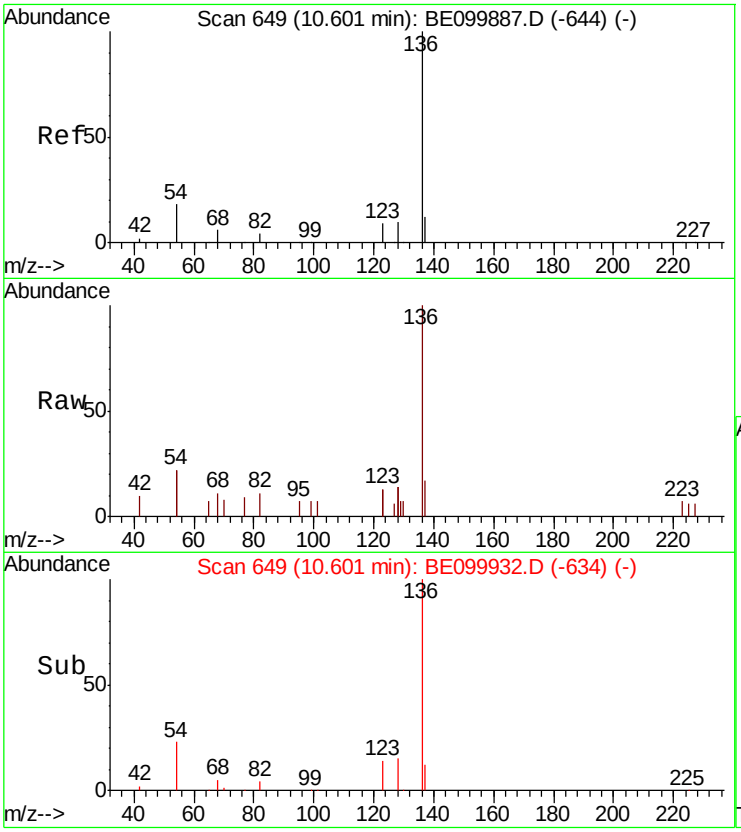


#6
bis(2-Chloroethyl)ether
Concen: 0.089 ng
RT: 7.22 min Scan# 378
Delta R.T. -0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion: 93 Resp: 169

Ion	Ratio	Lower	Upper
93	100		
63	263.9	202.8	304.2
95	36.1	23.7	35.5#



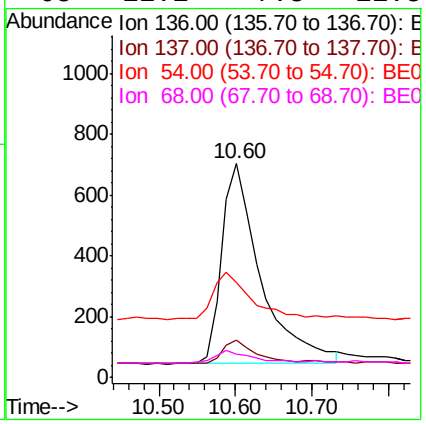


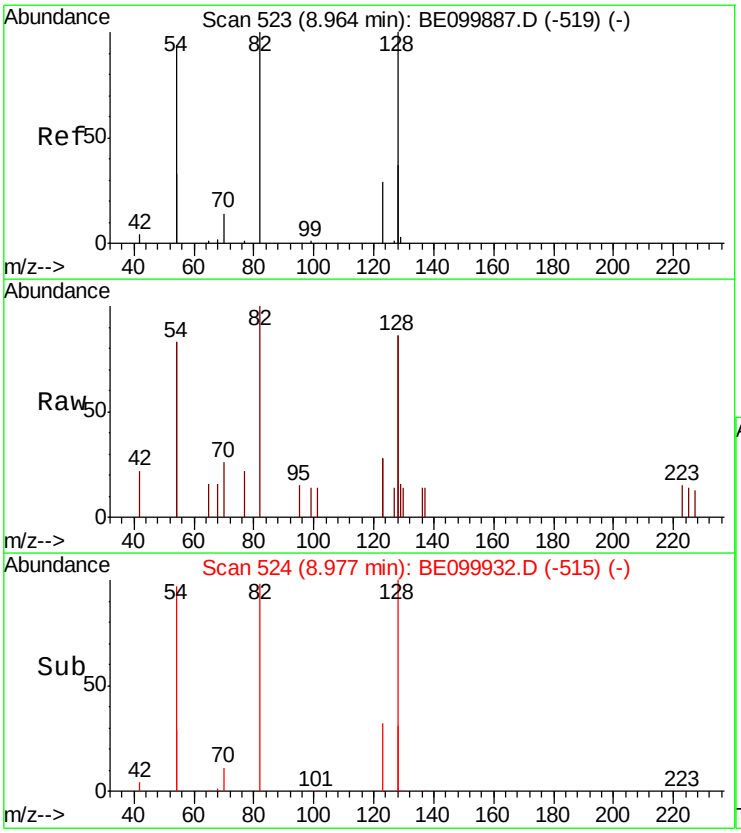
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:136 Resp: 2344

Ion	Ratio	Lower	Upper
136	100		
137	17.2	12.3	18.5
54	44.1	28.2	42.4#
68	11.1	7.8	11.8

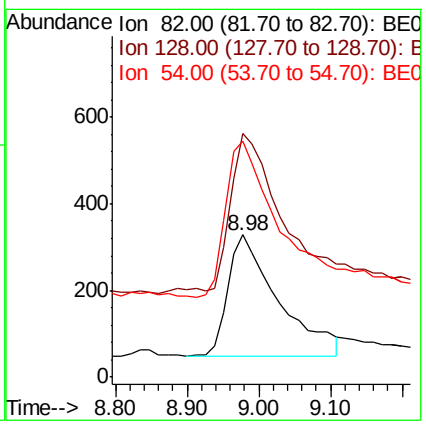


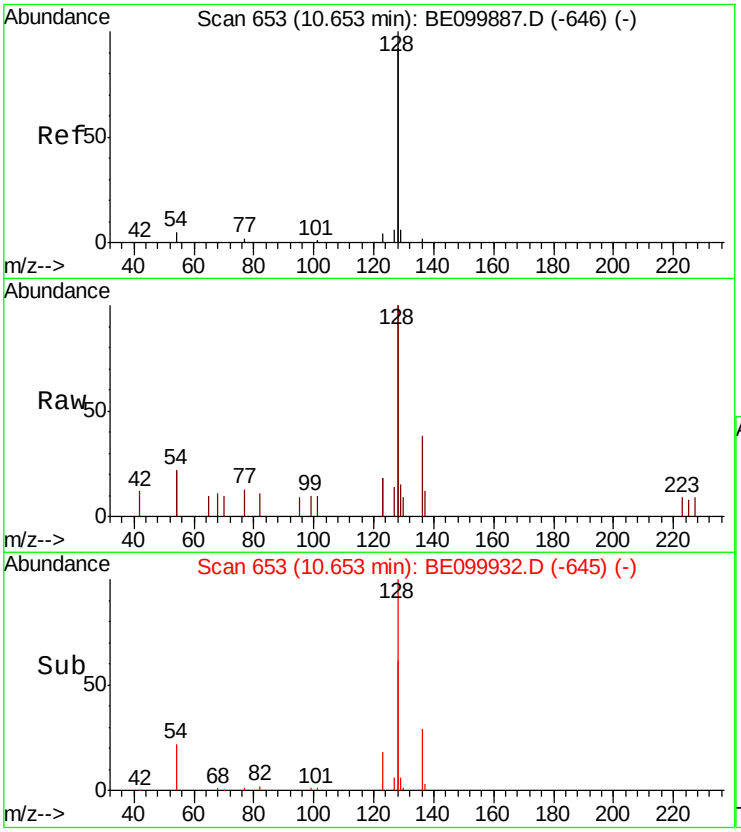


#8
Nitrobenzene-d5
Concen: 0.609 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion: 82 Resp: 1352

Ion	Ratio	Lower	Upper
82	100		
128	171.3	137.3	205.9
54	165.9	129.7	194.5



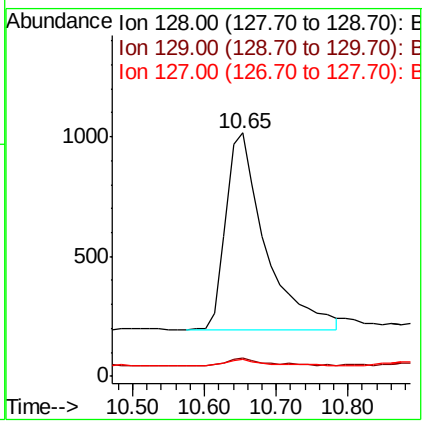


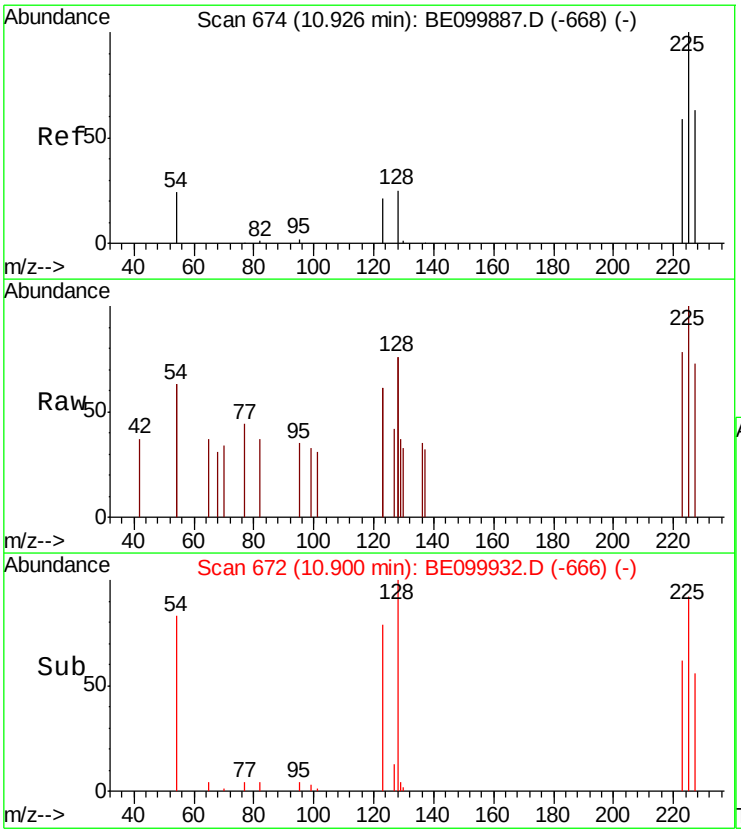
#9
Naphthalene
Concen: 0.125 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:128 Resp: 3152

Ion	Ratio	Lower	Upper
128	100		
129	7.4	3.0	4.6#
127	7.2	3.4	5.0#

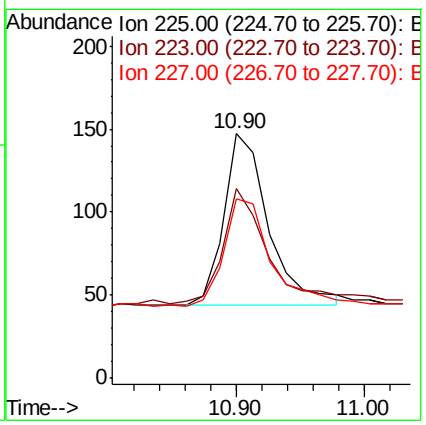


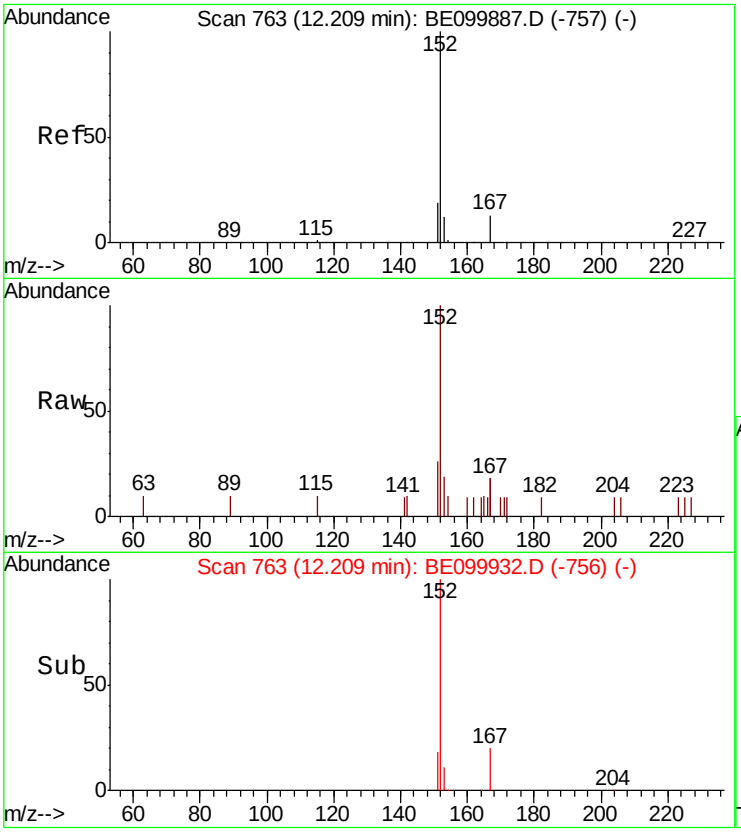


#10
Hexachlorobutadiene
Concen: 0.129 ng
RT: 10.90 min Scan# 672
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:225 Resp: 249

Ion	Ratio	Lower	Upper
225	100		
223	65.5	51.6	77.4
227	67.5	50.6	76.0



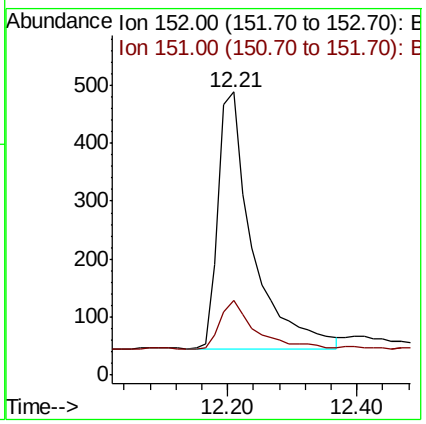


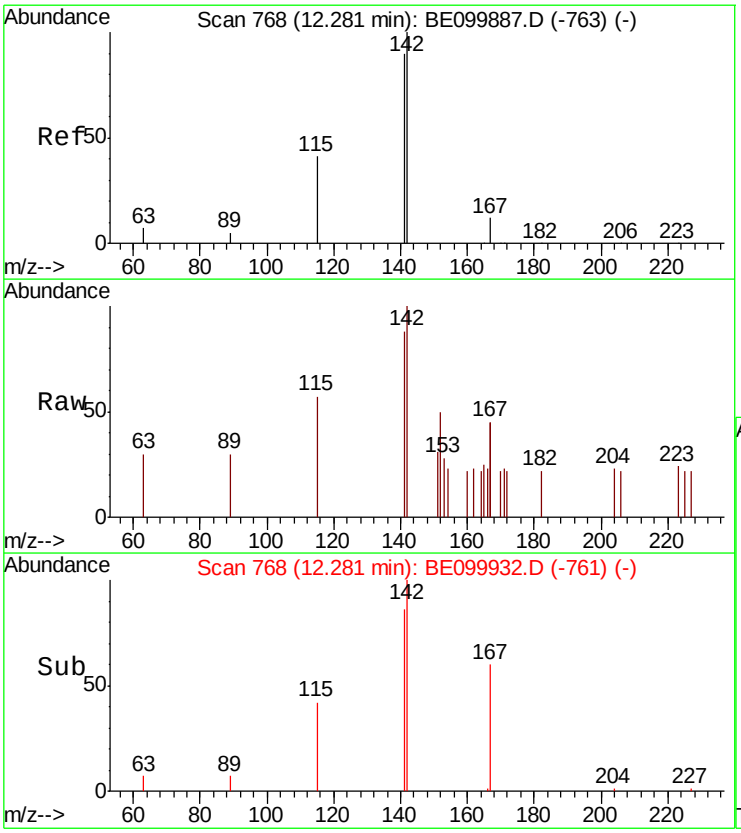
#11
2-Methylnaphthalene-d10
Concen: 0.401 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:152 Resp: 1638

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.2	22.8

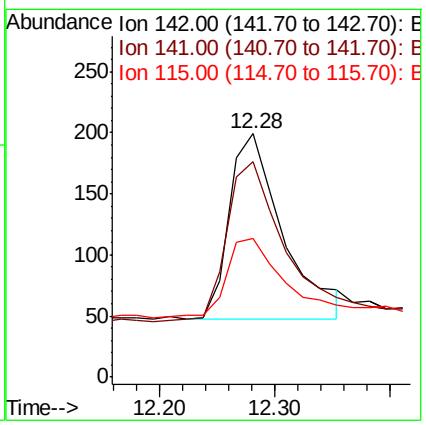


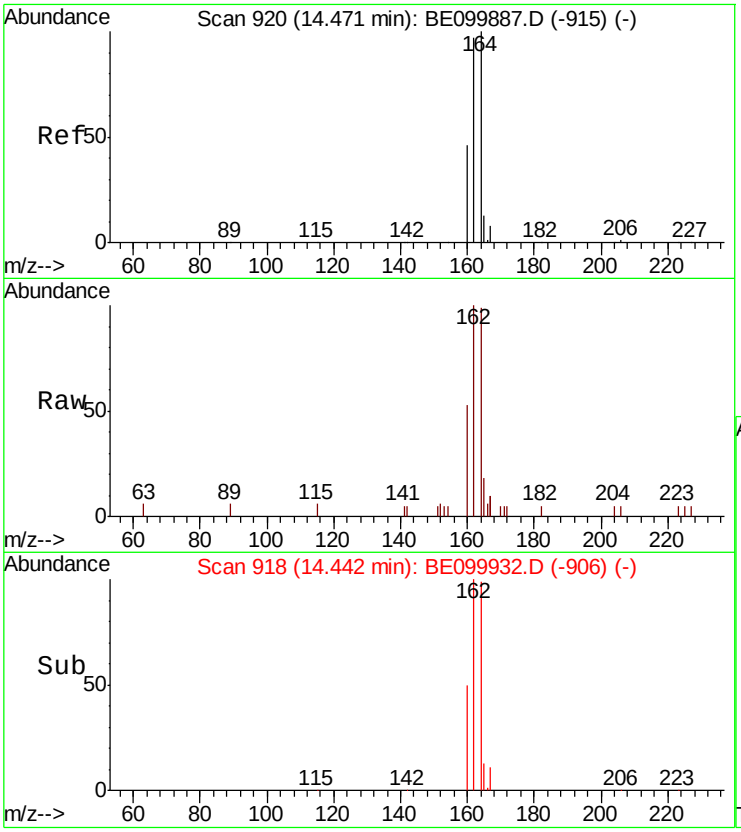


#12
2-Methylnaphthalene
Concen: 0.120 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:142 Resp: 493

Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.3	108.5
115	57.3	36.4	54.6#



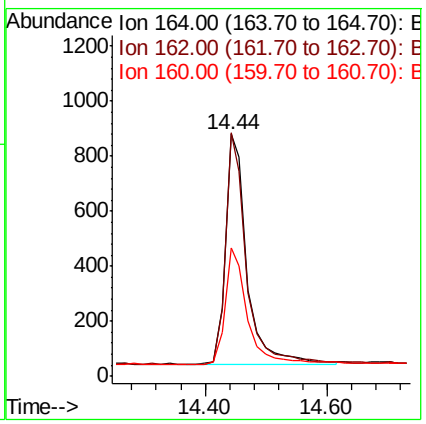


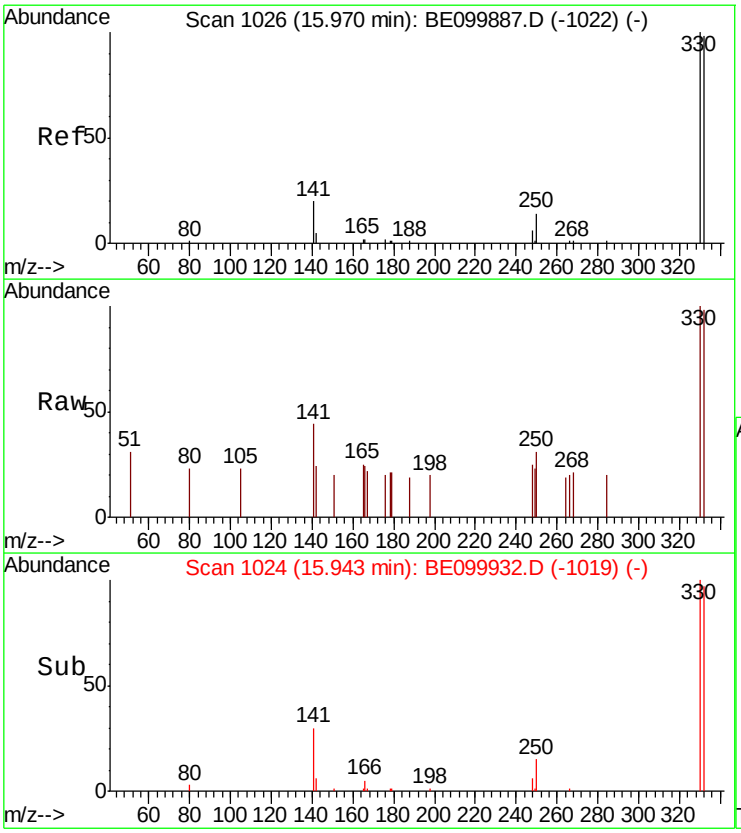
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.44 min Scan# 918
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:164 Resp: 2083

Ion	Ratio	Lower	Upper
164	100		
162	100.6	77.8	116.8
160	53.1	38.2	57.4

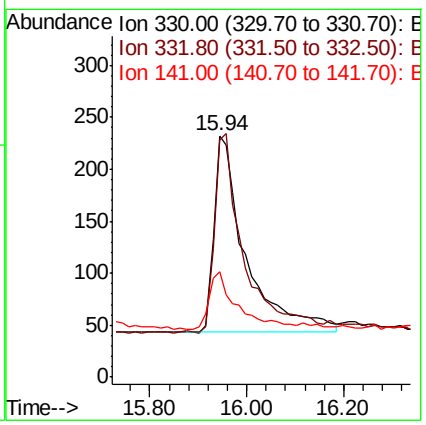


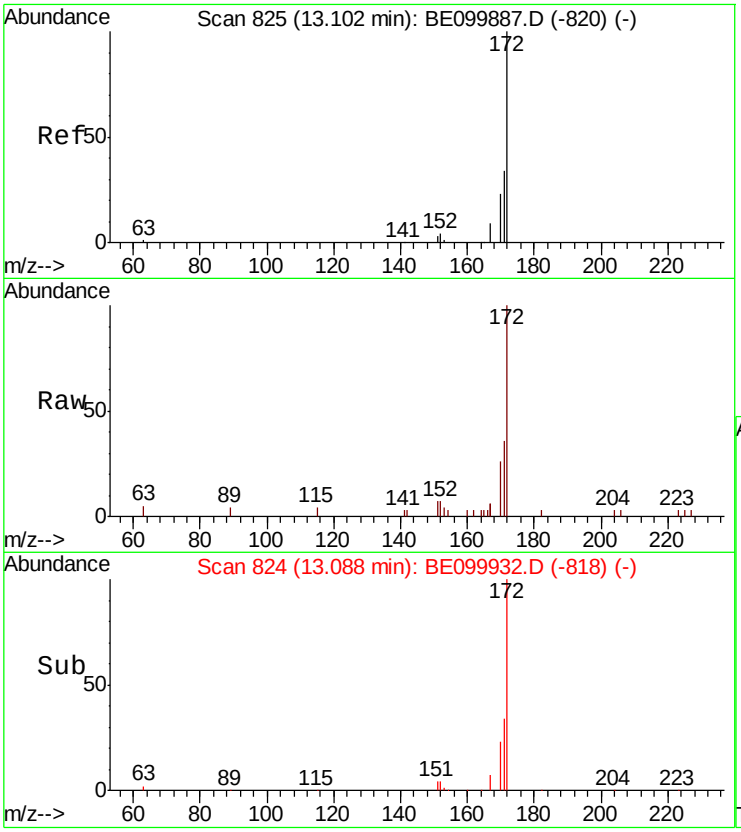


#14
2,4,6-Tribromophenol
Concen: 0.561 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:330 Resp: 863

Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.7	115.1
141	26.0	21.0	31.6



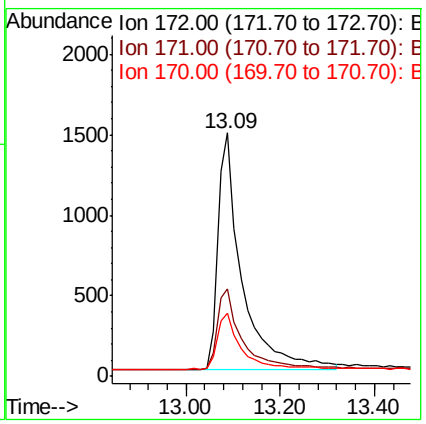


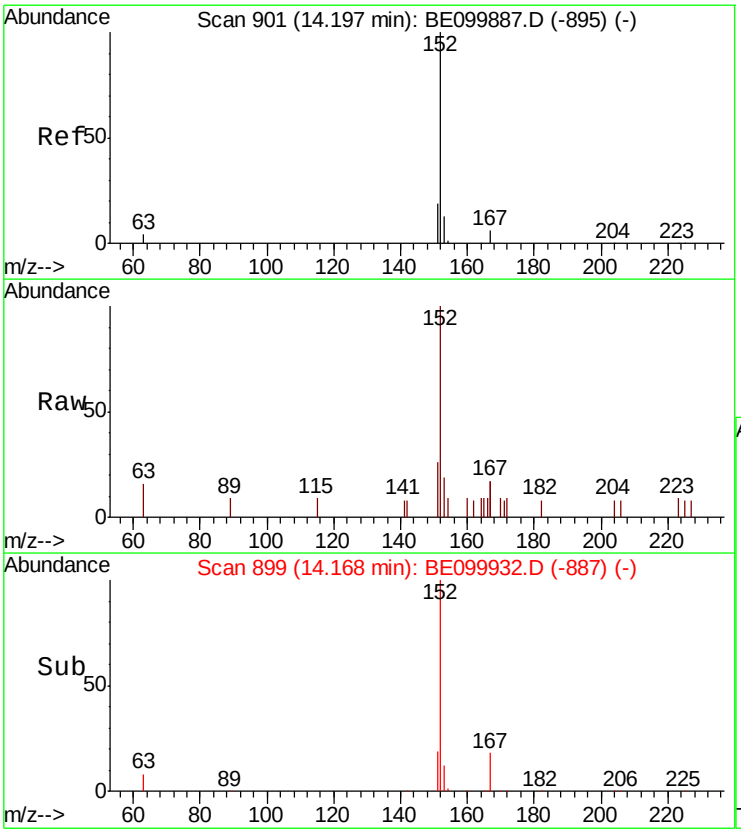
#15
2-Fluorobiphenyl
Concen: 0.654 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:172 Resp: 5167

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	25.8	21.2	31.8

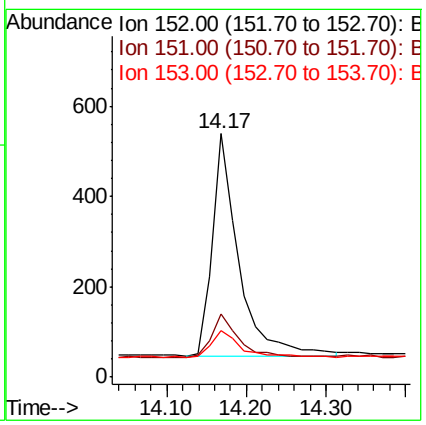


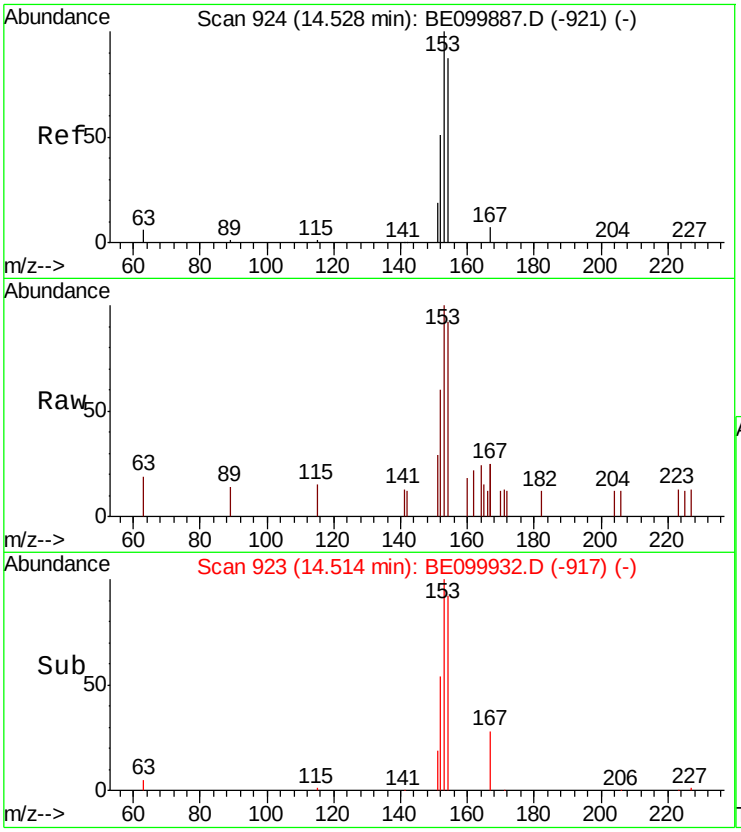


#16
Acenaphthylene
Concen: 0.109 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:152 Resp: 1126

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3
153	13.9	10.2	15.2



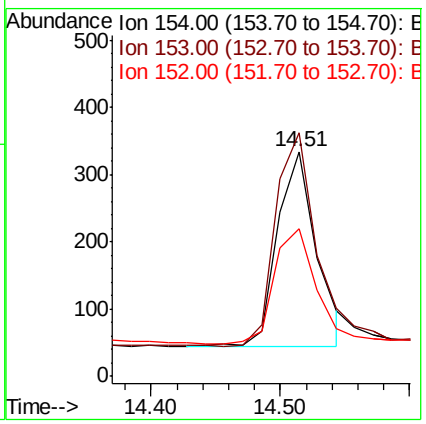


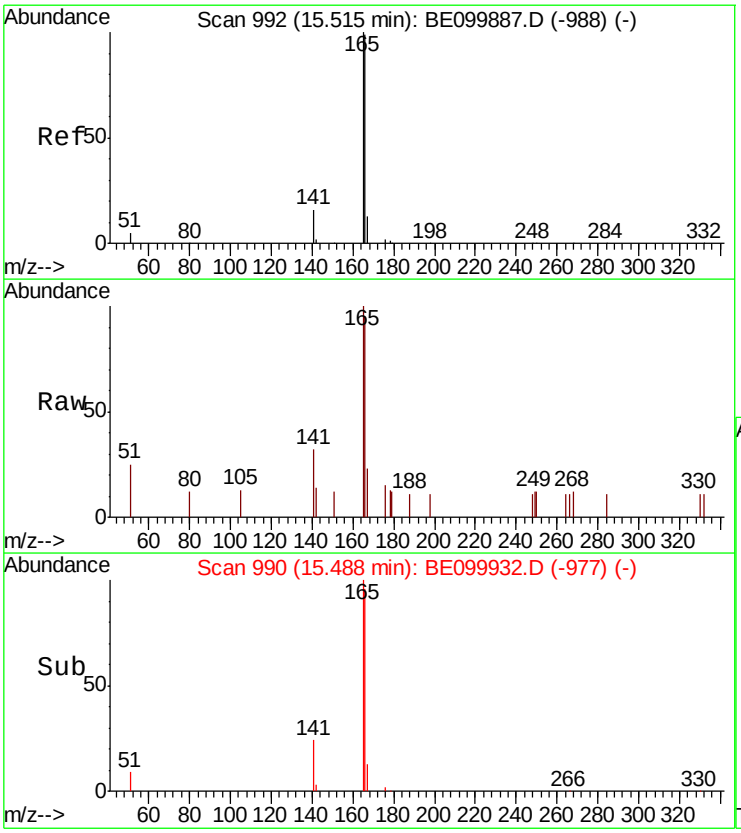
#17
Acenaphthene
Concen: 0.107 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:154 Resp: 606

Ion	Ratio	Lower	Upper
154	100		
153	112.5	93.1	139.7
152	62.7	47.0	70.4

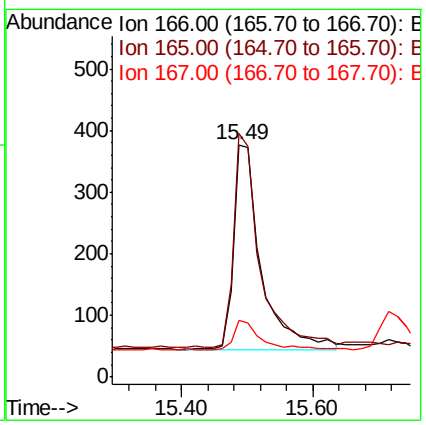


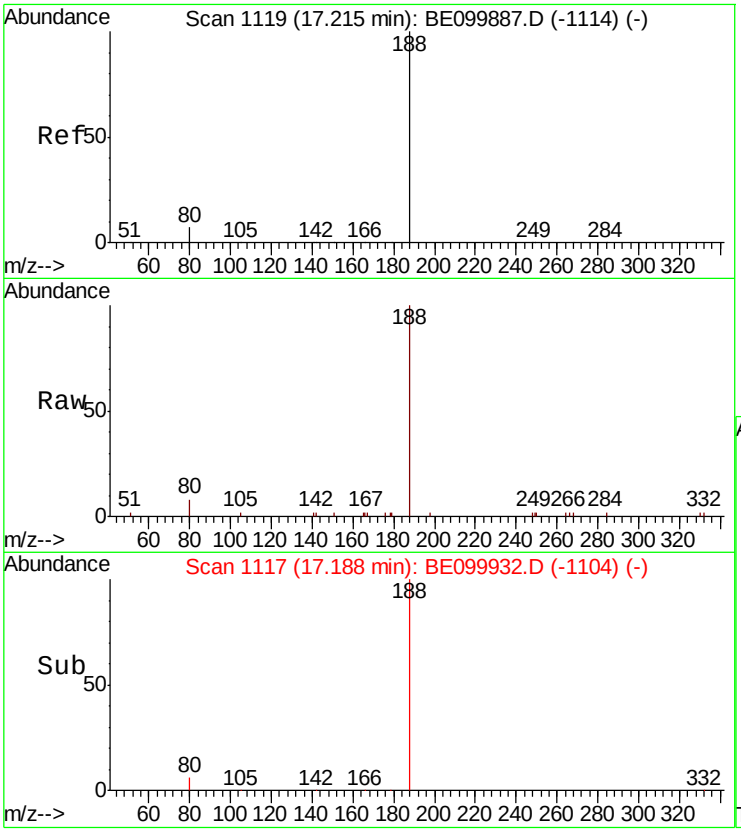


#18
Fluorene
Concen: 0.115 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:166 Resp: 974

Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.8	122.8
167	14.5	11.2	16.8



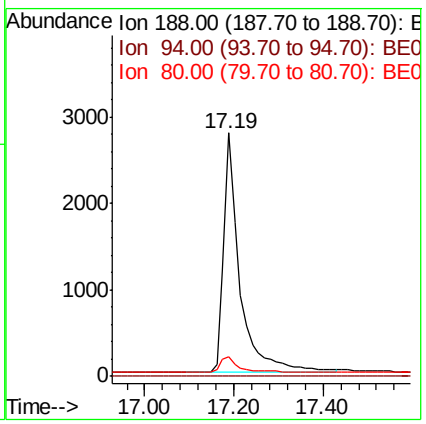


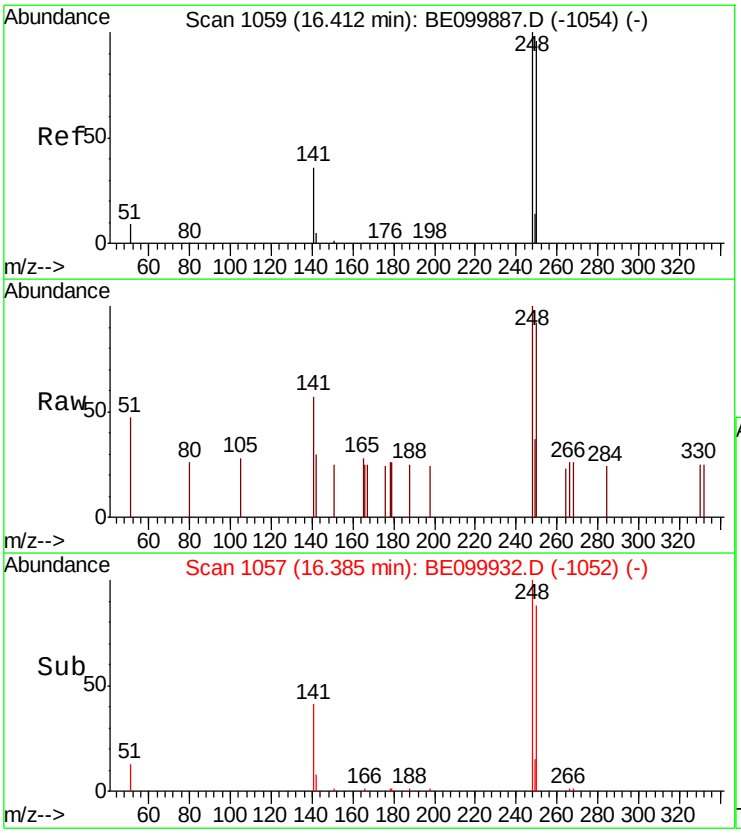
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:188 Resp: 7020

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	6.4	9.6

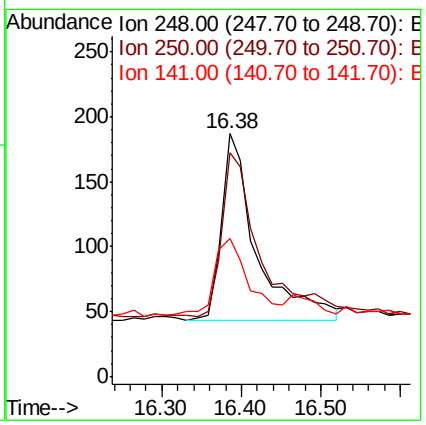


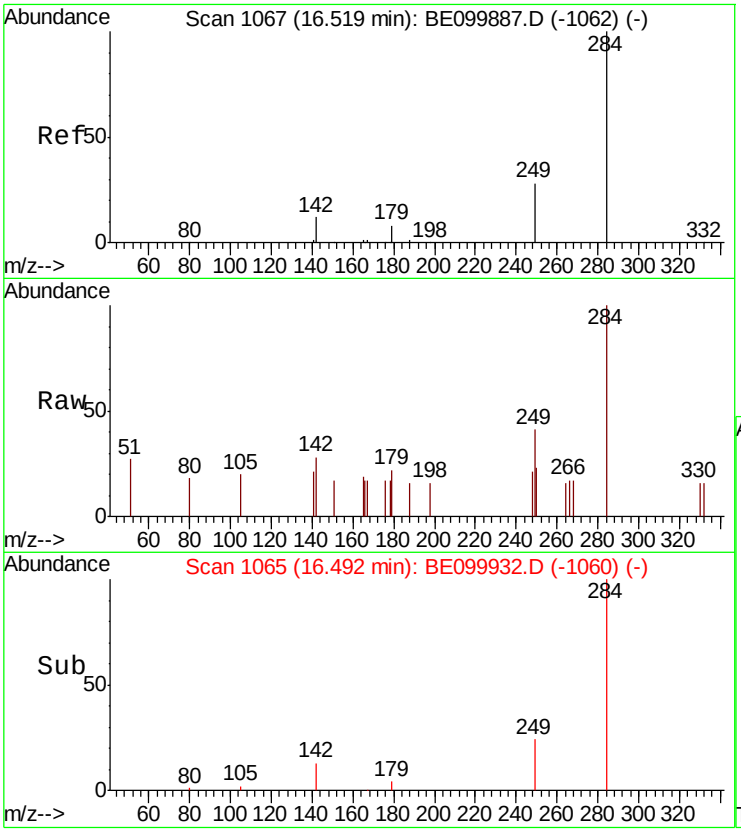


#20
4-Bromophenyl-phenylether
Concen: 0.111 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:248 Resp: 443

Ion	Ratio	Lower	Upper
248	100		
250	92.0	77.5	116.3
141	56.7	31.8	47.8#



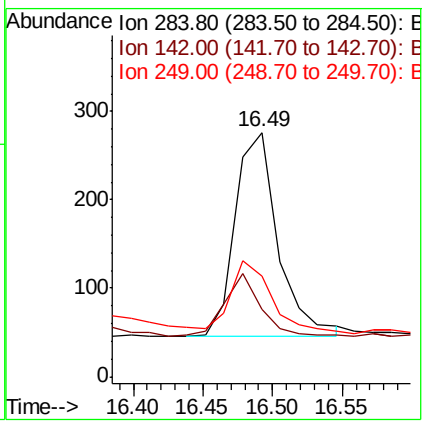


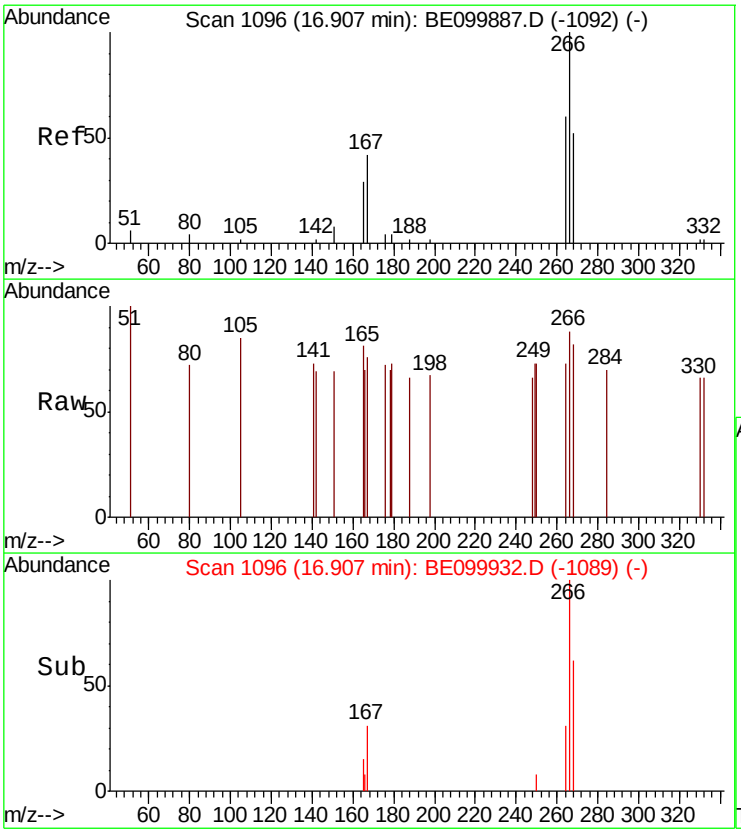
#21
Hexachlorobenzene
Concen: 0.122 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:284 Resp: 495

Ion	Ratio	Lower	Upper
284	100		
142	25.1	18.2	27.4
249	30.1	24.6	37.0

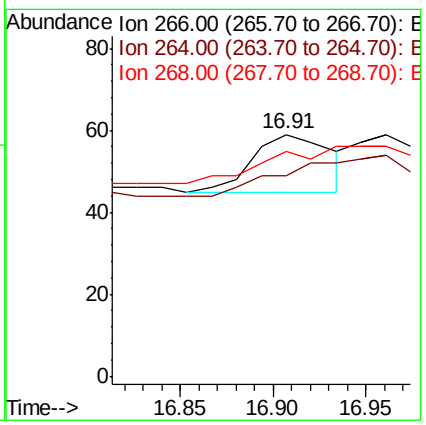


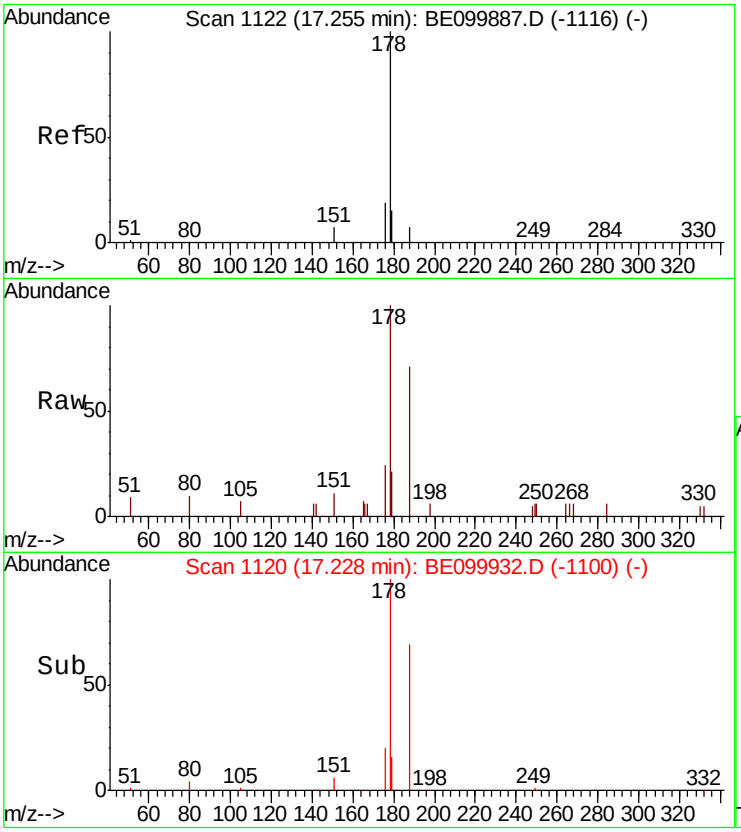


#22
Pentachlorophenol
Concen: 0.321 ng
RT: 16.91 min Scan# 1096
Delta R.T. -0.00 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:266 Resp: 41

Ion	Ratio	Lower	Upper
266	100		
264	83.1	62.2	93.2
268	93.2	65.5	98.3



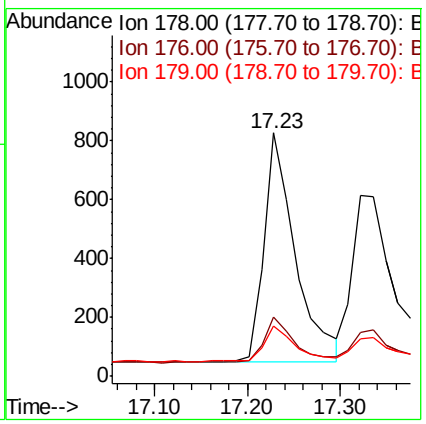


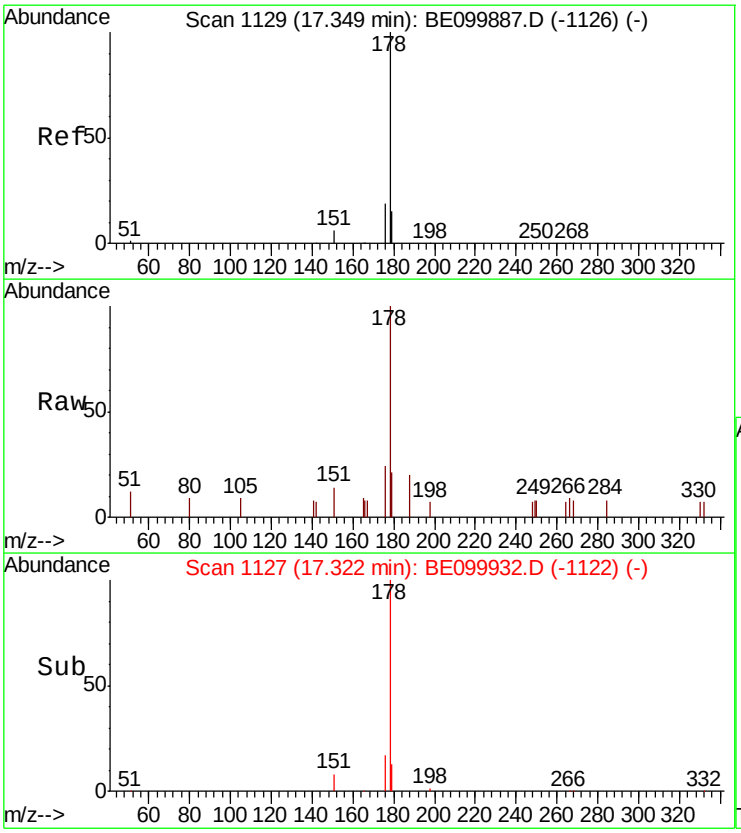
#23
Phenanthrene
Concen: 0.108 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:178 Resp: 1844

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	12.4	18.6

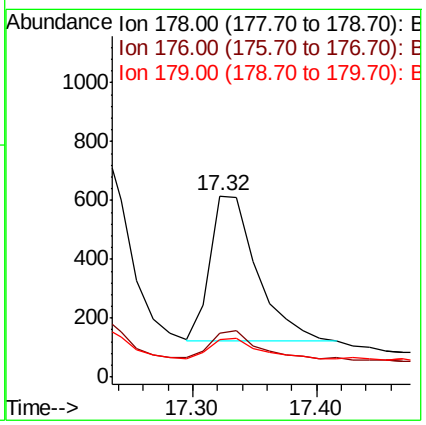


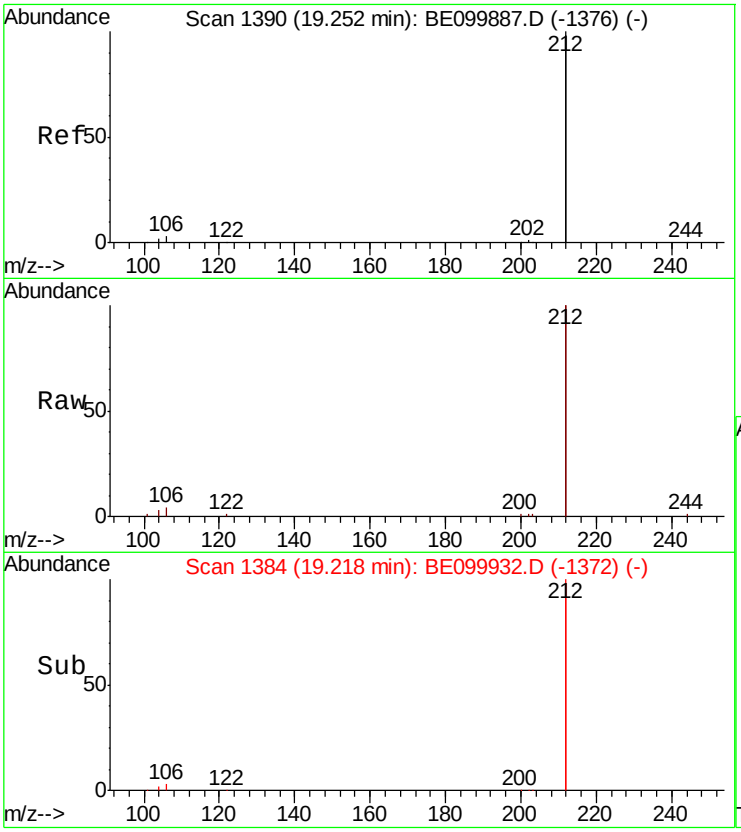


#24
Anthracene
Concen: 0.083 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:178 Resp: 1298

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	22.0
179	14.5	12.3	18.5



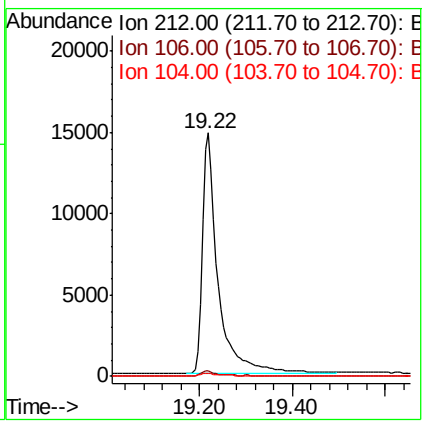


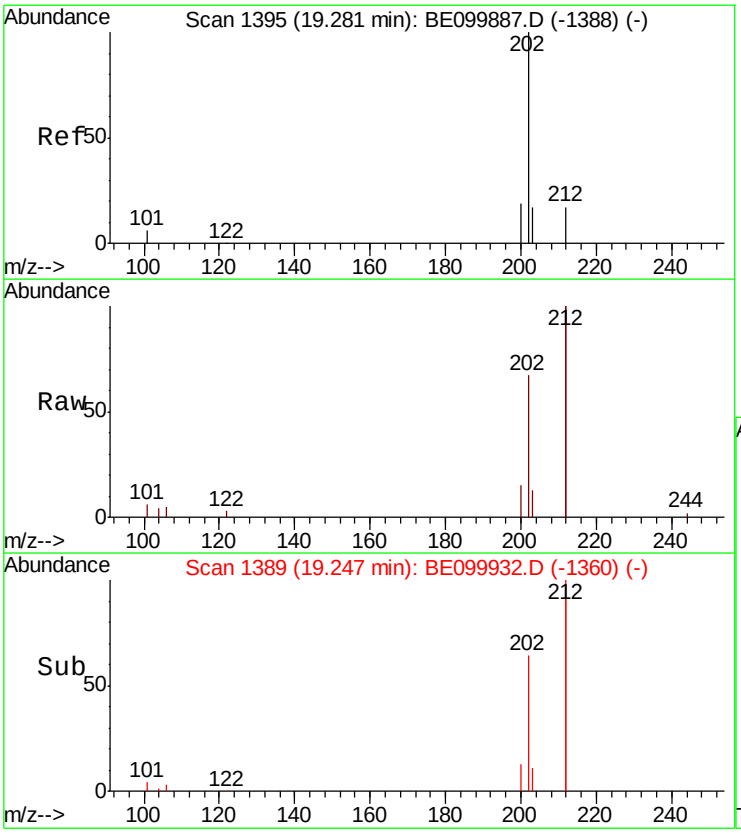
#25
Fluoranthene-d10
Concen: 0.347 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:212 Resp: 35452

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.2
104	1.1	0.9	1.3

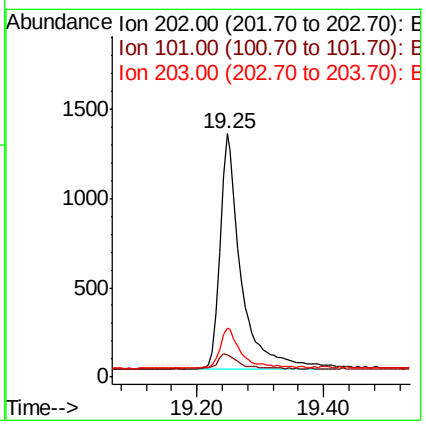


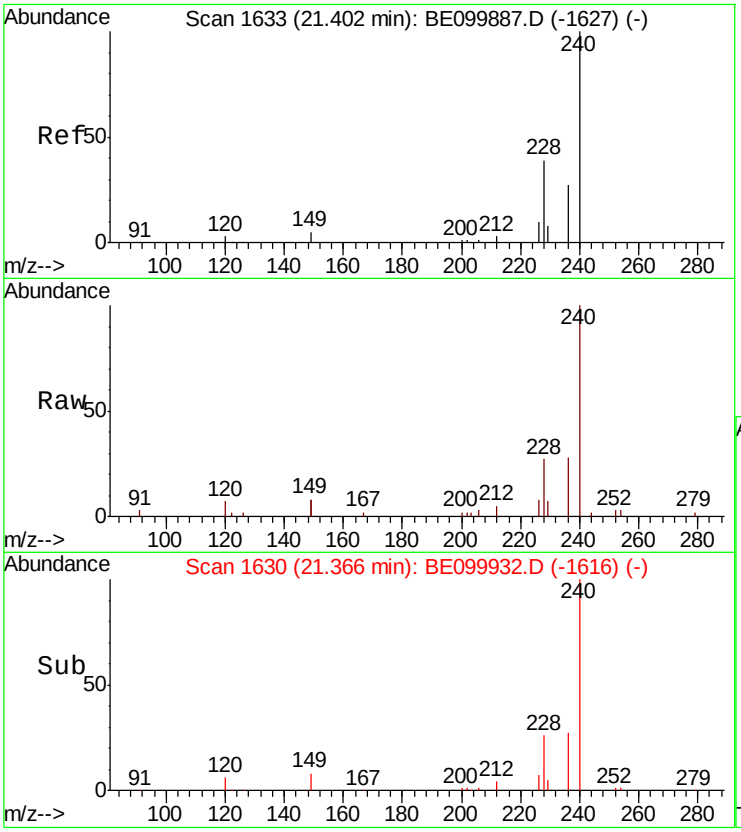


#26
Fluoranthene
Concen: 0.105 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:202 Resp: 3029

Ion	Ratio	Lower	Upper
202	100		
101	5.8	5.4	8.0
203	16.9	13.2	19.8



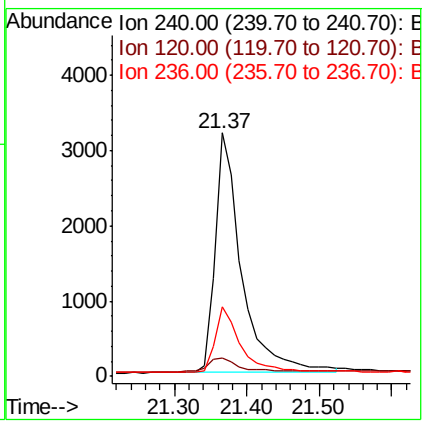


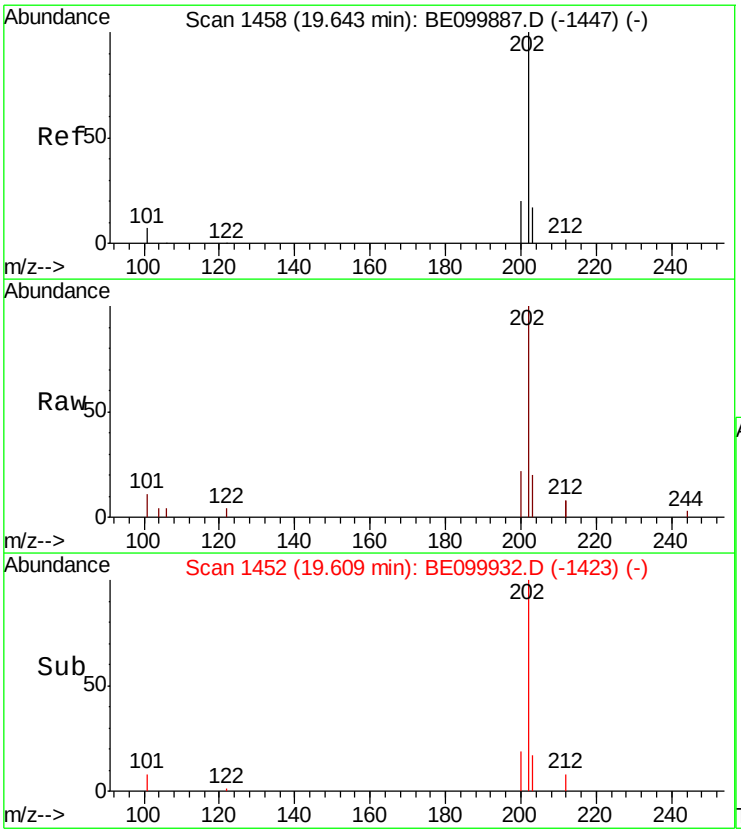
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:240 Resp: 8134

Ion	Ratio	Lower	Upper
240	100		
120	7.5	3.8	5.6#
236	28.5	22.0	33.0

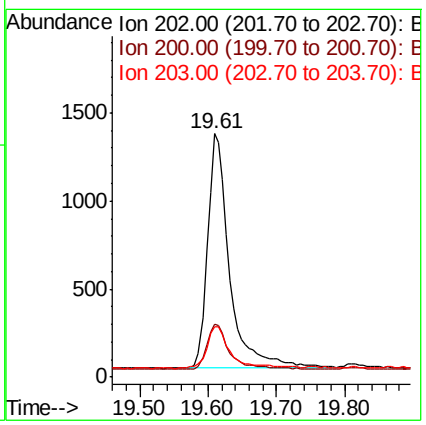


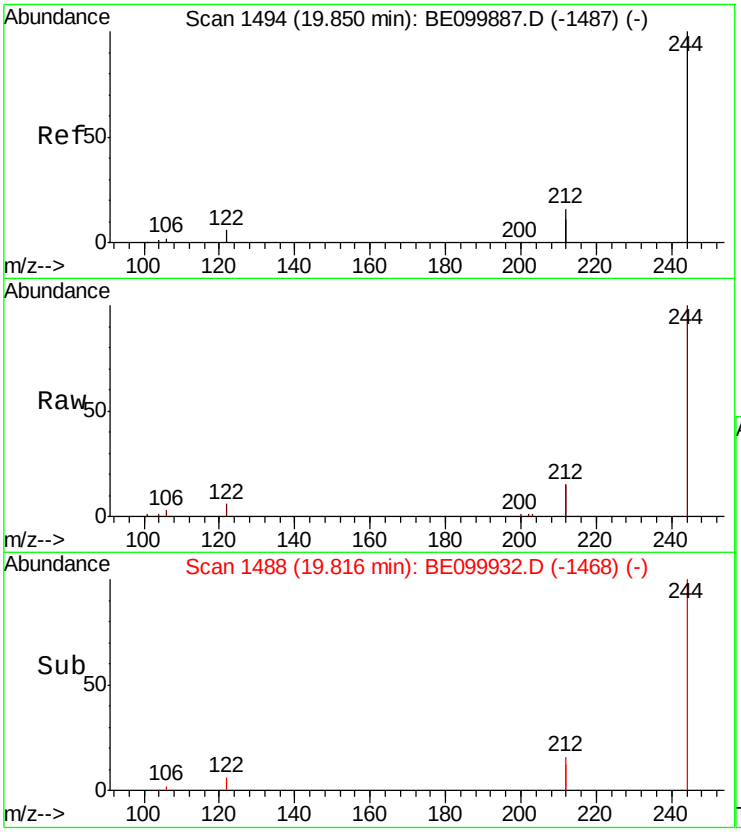


#28
Pyrene
Concen: 0.141 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:202 Resp: 3004

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.5	23.3
203	19.2	14.0	21.0



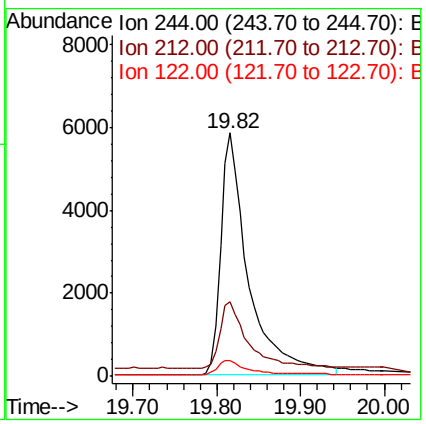


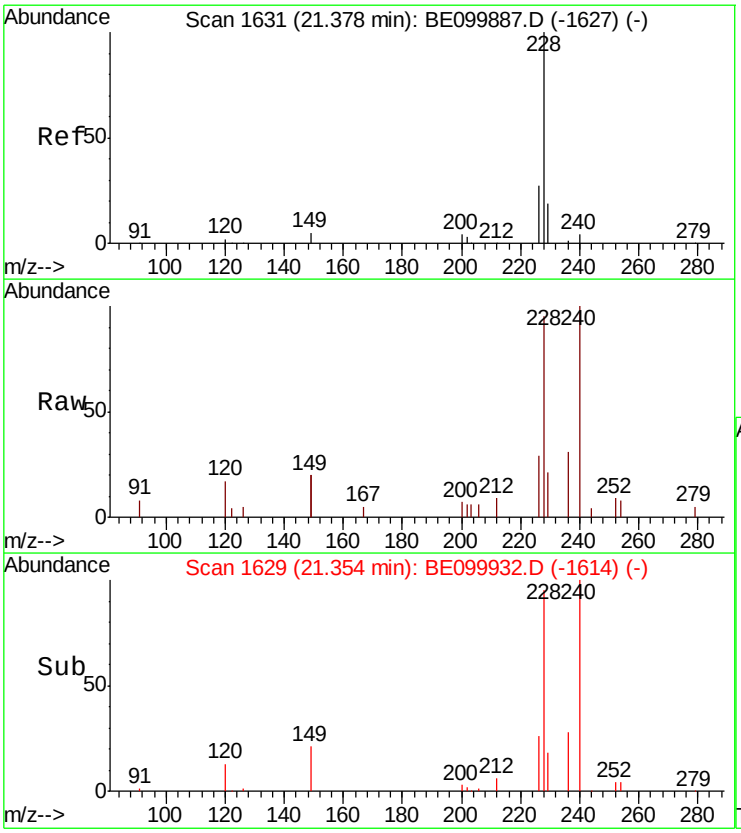
#29
Terphenyl-d14
Concen: 0.914 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.03 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:244 Resp: 13388

Ion	Ratio	Lower	Upper
244	100		
212	30.9	25.7	38.5
122	6.4	5.5	8.3

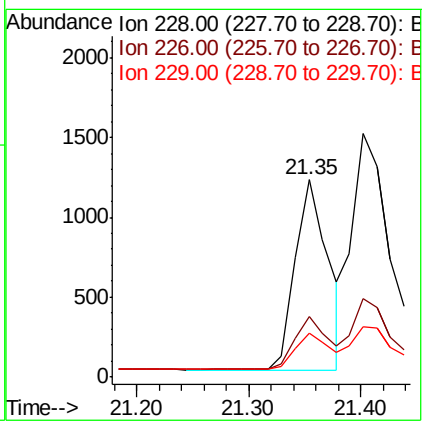


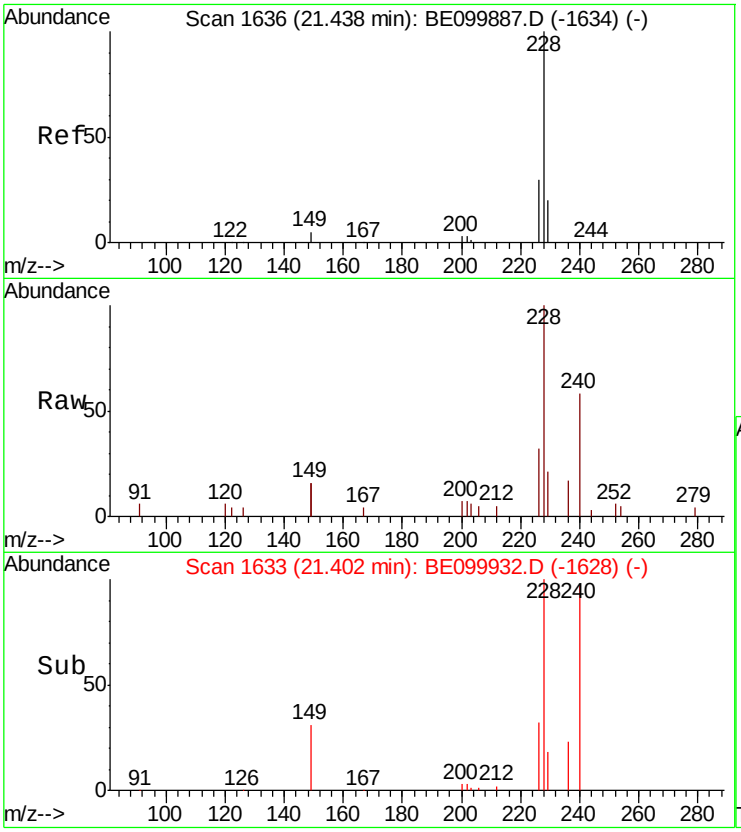


#30
Benzo(a)anthracene
Concen: 0.100 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.02 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:228 Resp: 2438

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.5	33.7
229	22.2	15.9	23.9



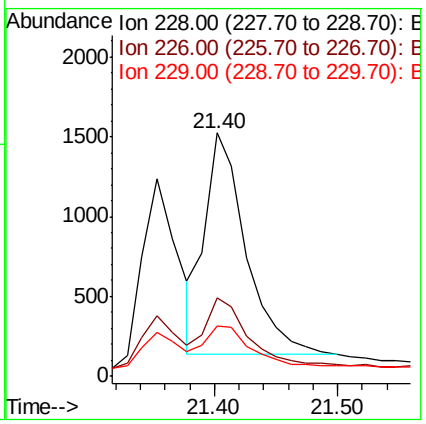


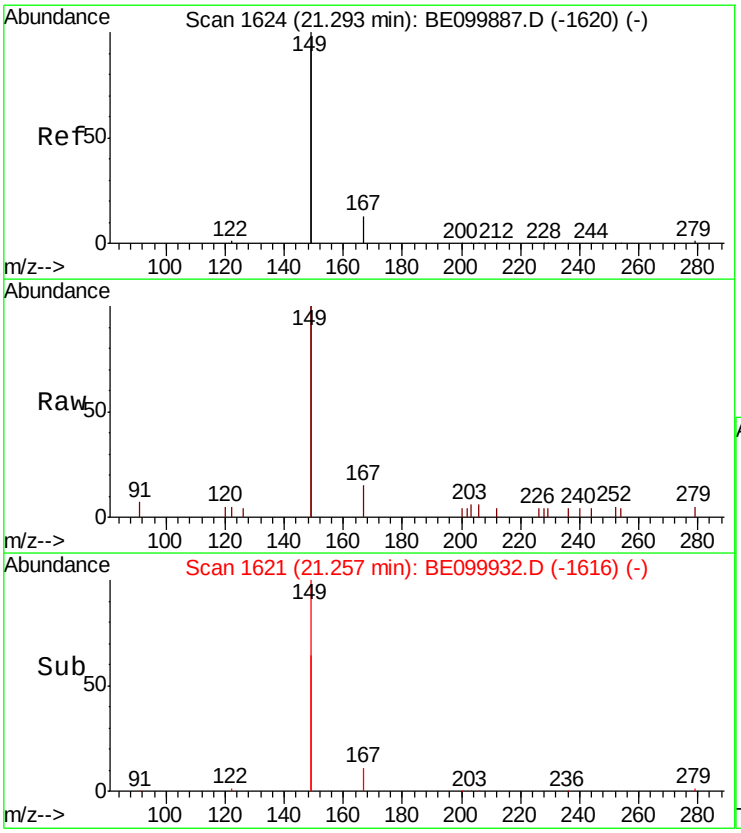
#31
Chrysene
Concen: 0.128 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.04 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:228 Resp: 3212

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.1	36.1
229	20.5	16.1	24.1

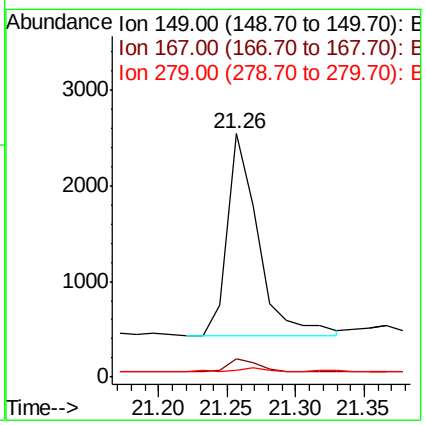


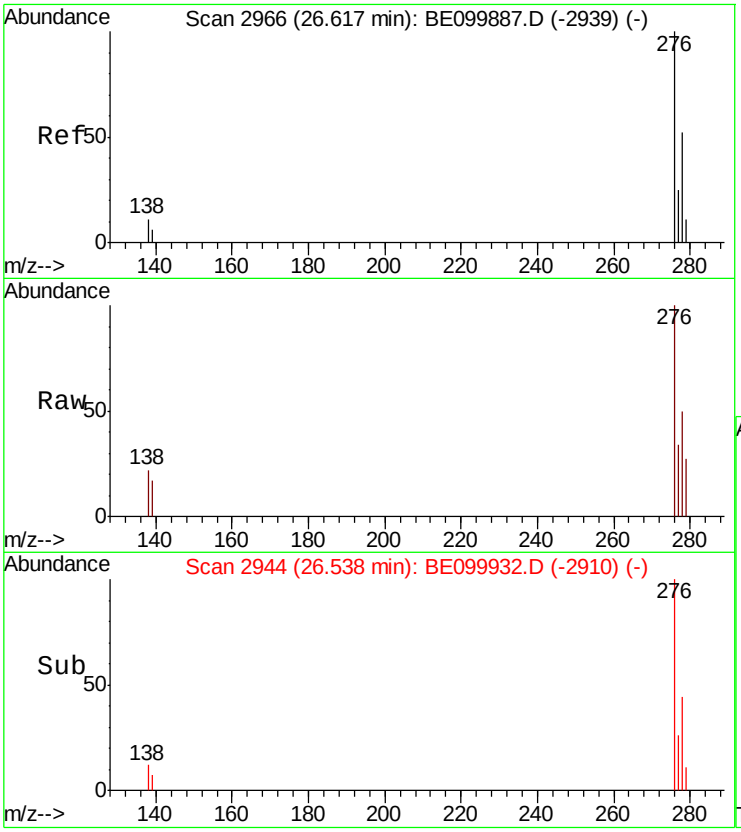


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:149 Resp: 3288

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.9	8.9
279	1.8	1.2	1.8#



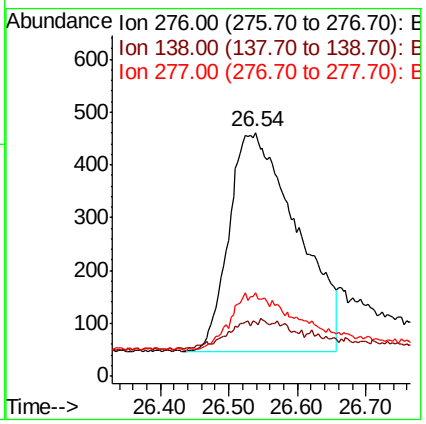


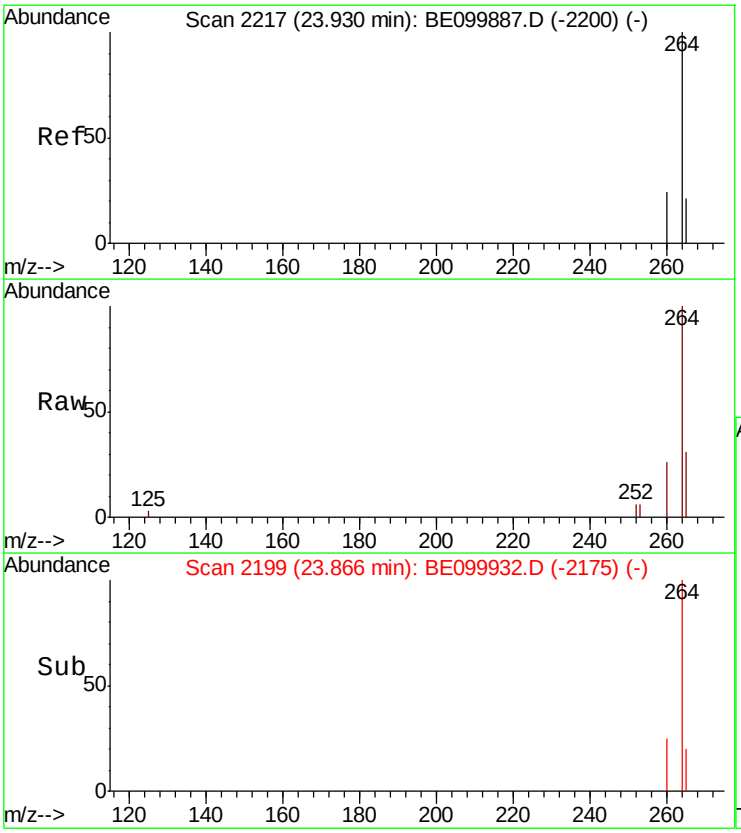
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.096 ng
RT: 26.54 min Scan# 2944
Delta R.T. -0.08 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:276 Resp: 2864

Ion	Ratio	Lower	Upper
276	100		
138	3.1	10.1	15.1#
277	7.0	19.1	28.7#

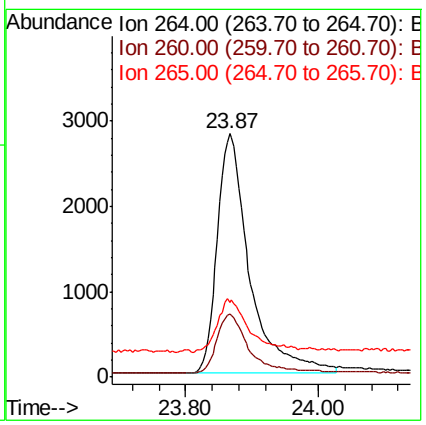


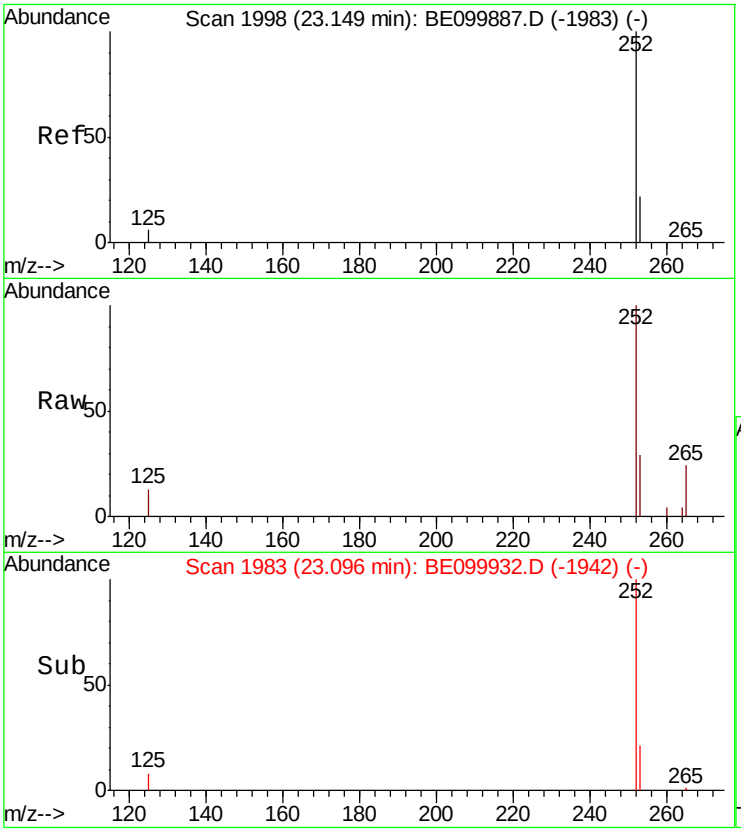


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. -0.06 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:264 Resp: 9449

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.2	30.2
265	30.8	22.0	33.0



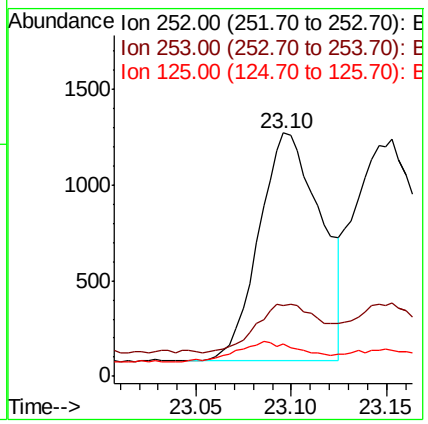


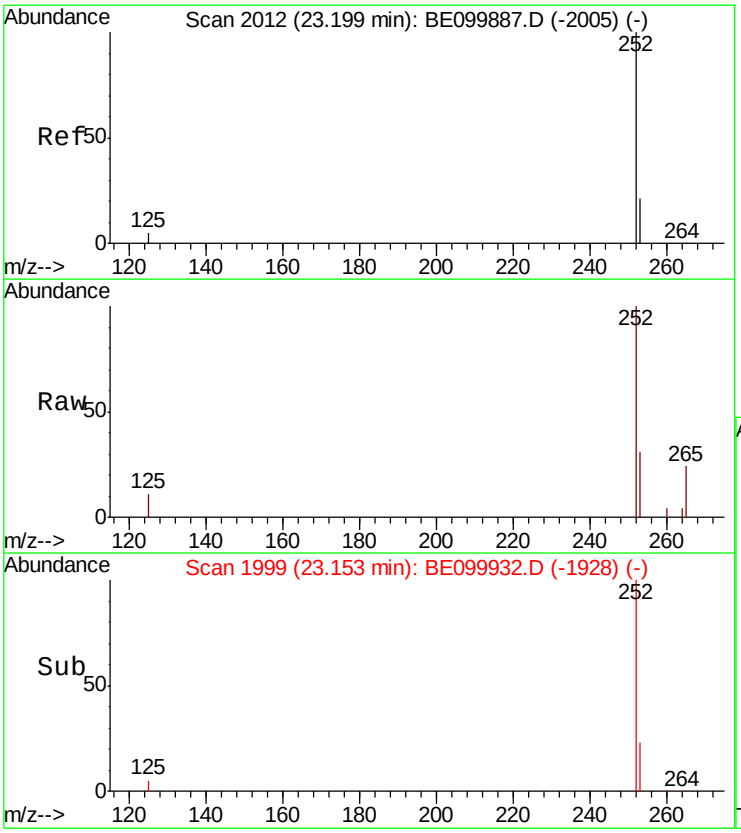
#35
Benzo(b)fluoranthene
Concen: 0.102 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.05 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:252 Resp: 2699

Ion	Ratio	Lower	Upper
252	100		
253	29.3	18.7	28.1#
125	13.2	5.7	8.5#

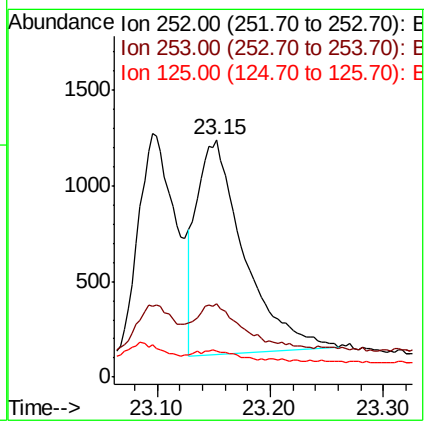


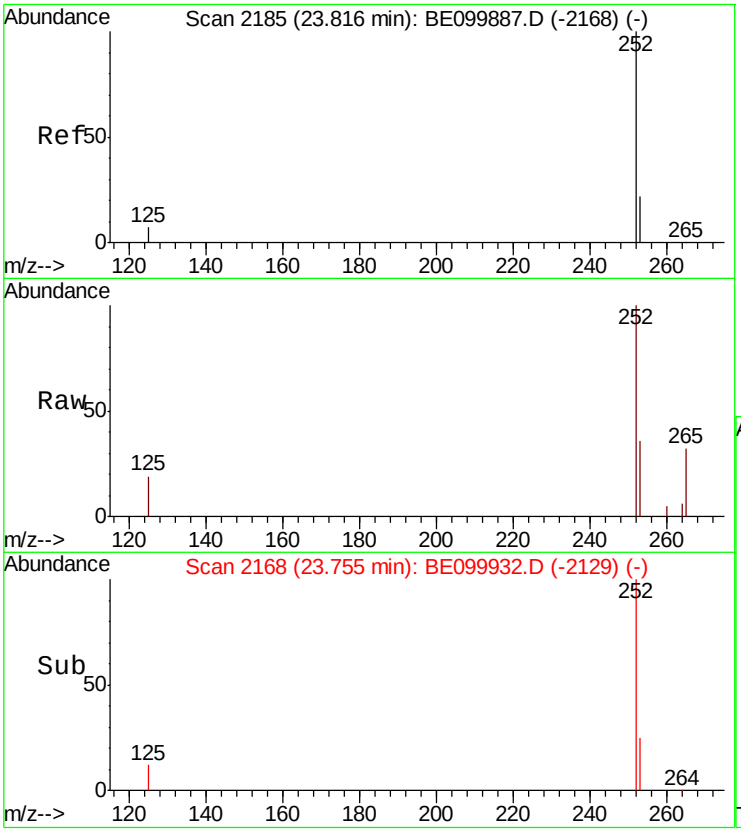


#36
Benzo(k)fluoranthene
Concen: 0.118 ng
RT: 23.15 min Scan# 1999
Delta R.T. -0.05 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:252 Resp: 3260

Ion	Ratio	Lower	Upper
252	100		
253	31.1	18.6	28.0#
125	10.9	5.4	8.0#



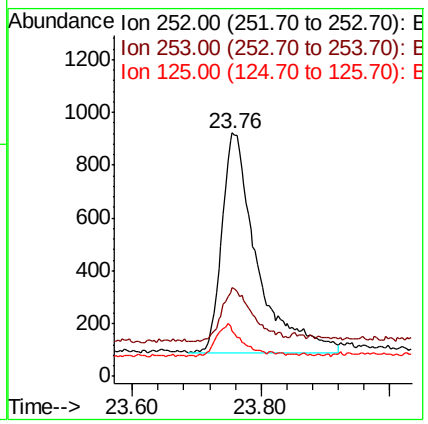


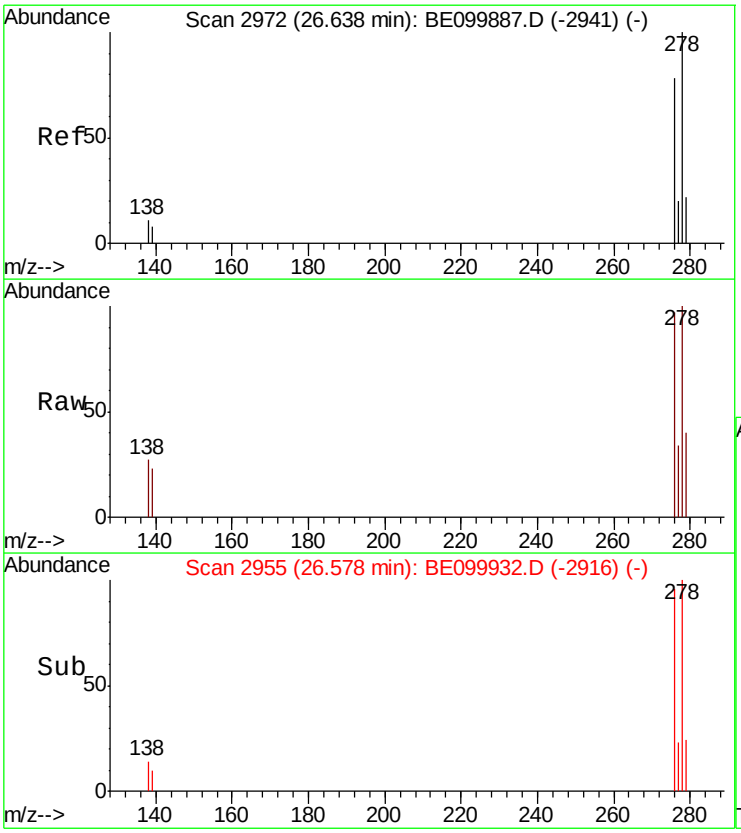
#37
Benzo(a)pyrene
Concen: 0.121 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.06 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:252 Resp: 3146

Ion	Ratio	Lower	Upper
252	100		
253	36.4	19.6	29.4#
125	18.7	6.6	10.0#

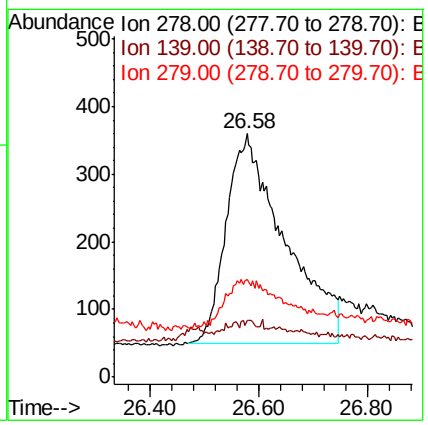


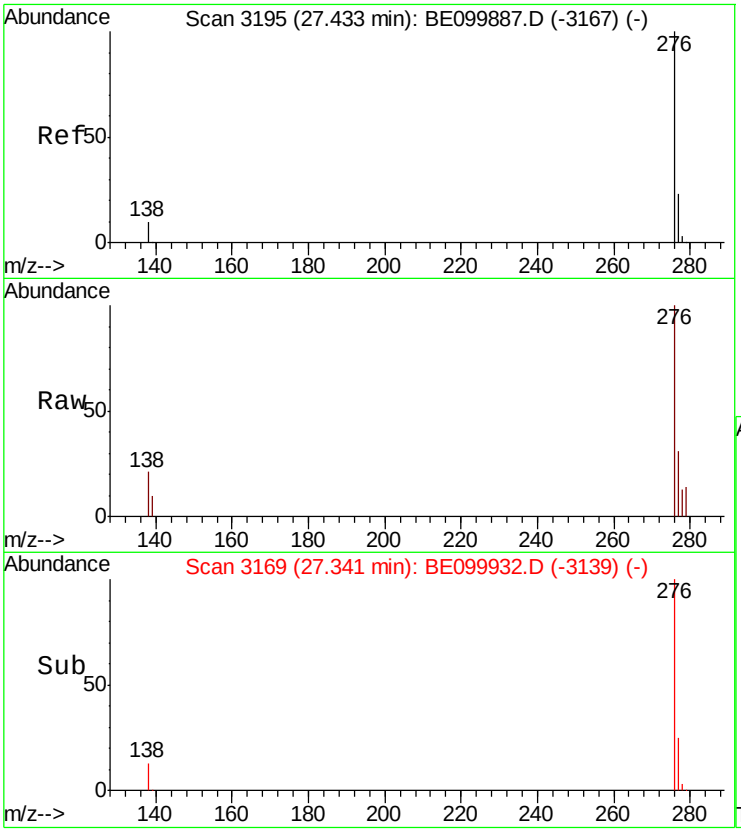


#38
Dibenzo(a,h)anthracene
Concen: 0.088 ng
RT: 26.58 min Scan# 2955
Delta R.T. -0.06 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Tgt Ion:278 Resp: 2313

Ion	Ratio	Lower	Upper
278	100		
139	23.1	7.8	11.8#
279	40.0	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.106 ng
RT: 27.34 min Scan# 3169
Delta R.T. -0.09 min
Lab File: BE099932.D
Acq: 11 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Tgt Ion:276 Resp: 2888

Ion	Ratio	Lower	Upper
276	100		
277	31.4	19.5	29.3#
138	20.7	9.5	14.3#