Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE040319\
Data File : BE099290.D
Acq On : 3 Apr 2019 14:20
Operator : JU/SJ
Sample : K1560-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

Manual Integrations APPROVED
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4/4/2019 5:38:33 PM

Quant Time: Apr 04 04:04:30 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	3414	0.40	ng		-0.02
7) Naphthalene-d8	10.61	136	12465	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	8039	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	24194	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	32970	0.40	ng		-0.03
34) Perylene-d12	23.87	264	34500	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3304	0.36	ng		-0.02
5) Phenol-d6	6.98	99	4610	0.37	ng		-0.01
8) Nitrobenzene-d5	8.98	82	3231	0.38	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	7686	0.35	ng		-0.02
14) 2,4,6-Tribromophenol	15.94	330	1183	0.32	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	12698	0.40	ng		-0.02
25) Fluoranthene-d10	19.22	212	109632	0.34	ng		-0.02
29) Terphenyl-d14	19.82	244	26590	0.44	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	531	0.114	ng	#	90
3) n-Nitrosodimethylamine	3.66	42	166	0.060	ng	#	89
6) bis(2-Chloroethyl)ether	7.24	93	1031	0.092	ng		98
9) Naphthalene	10.65	128	12973	0.096	ng		98
10) Hexachlorobutadiene	10.94	225	896	0.102	ng		97
12) 2-Methylnaphthalene	12.28	142	2151	0.093	ng		97
16) Acenaphthylene	14.18	152	3205	0.084	ng		98
17) Acenaphthene	14.53	154	2160	0.096	ng		99
18) Fluorene	15.49	166	3007	0.093	ng		96
20) 4-Bromophenyl-phenylether	16.39	248	1235	0.090	ng	#	82
21) Hexachlorobenzene	16.49	284	1310	0.100	ng		97
22) Pentachlorophenol	16.84	266	343	0.063	ng		93
23) Phenanthrene	17.23	178	6023	0.096	ng		97
24) Anthracene	17.32	178	5071	0.086	ng		99
26) Fluoranthene	19.25	202	8444	0.091	ng		99
28) Pyrene	19.61	202	8456	0.097	ng		99
30) Benzo(a)anthracene	21.34	228	9393	0.090	ng		98
31) Chrysene	21.40	228	10099	0.099	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	11869	0.090	ng		99
33) Indeno(1,2,3-cd)pyrene	26.50	276	10752	0.092	ng		98
35) Benzo(b)fluoranthene	23.09	252	9753m	0.095	ng		
36) Benzo(k)fluoranthene	23.15	252	9444	0.094	ng		94
37) Benzo(a)pyrene	23.75	252	8671	0.090	ng	#	91
38) Dibenzo(a,h)anthracene	26.53	278	8699	0.090	ng		96
39) Benzo(g,h,i)perylene	27.32	276	8903	0.093	ng		99

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE040319\
Data File : BE099290.D
Acq On : 3 Apr 2019 14:20
Operator : JU/SJ
Sample : K1560-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 04:04:30 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

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

Manual Integrations APPROVED
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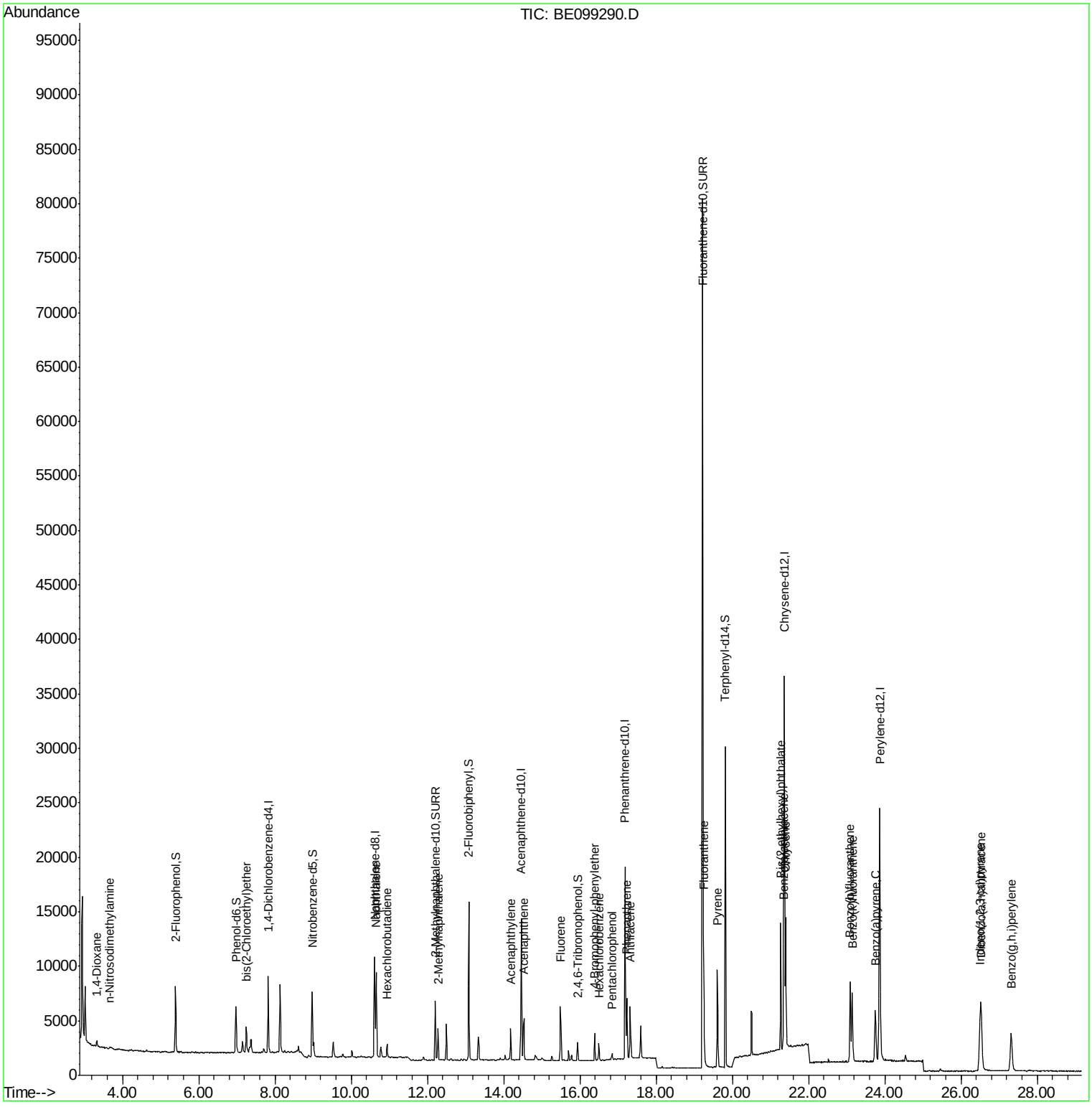
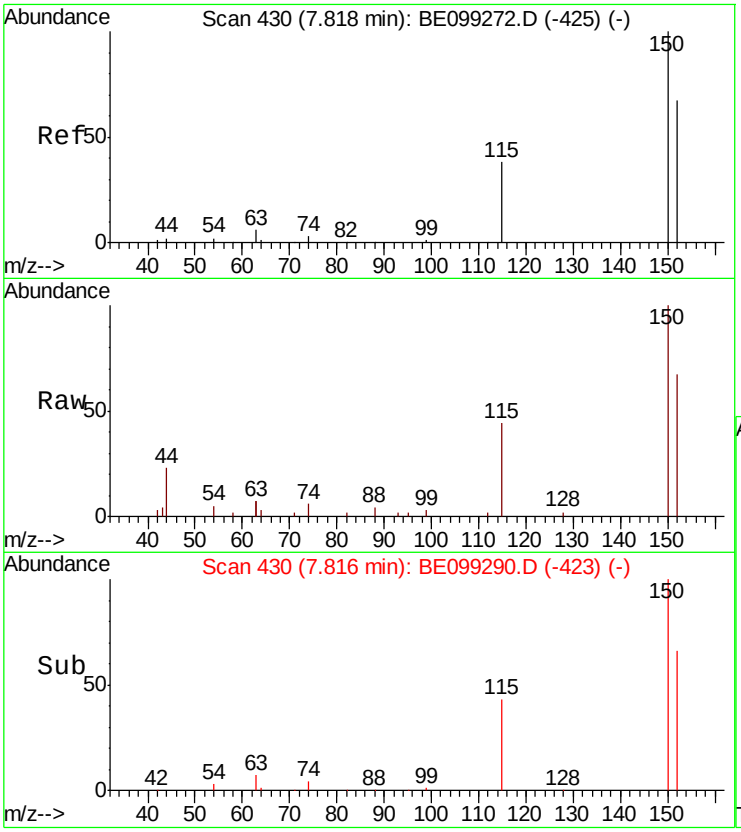
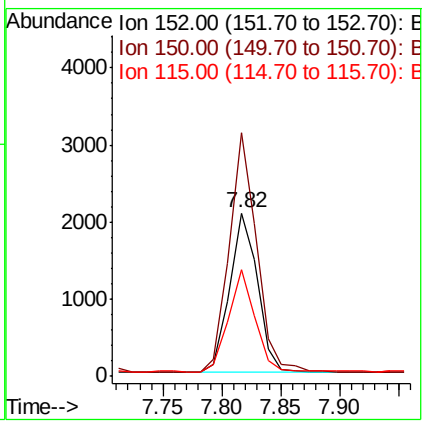




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:152 Resp: 3414

Ion	Ratio	Lower	Upper
152	100		
150	149.1	112.8	169.2
115	65.3	45.1	67.7



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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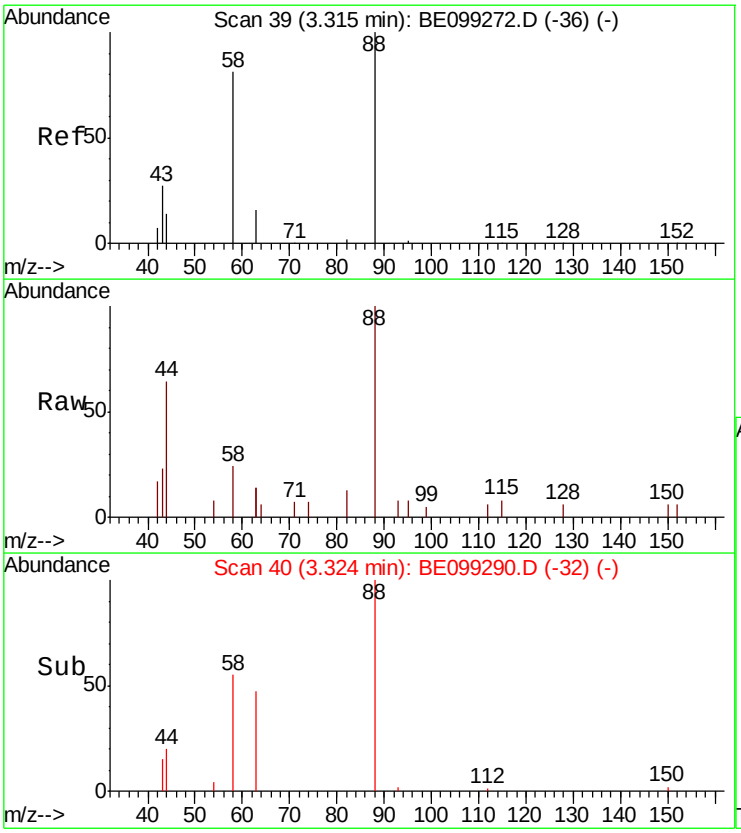
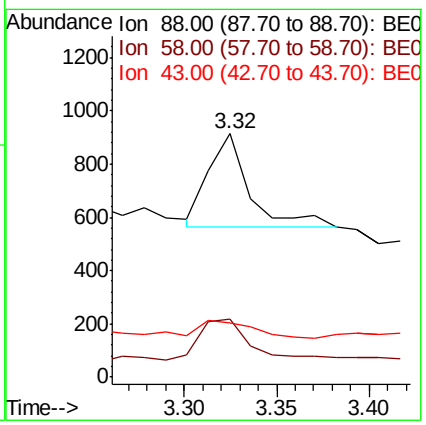
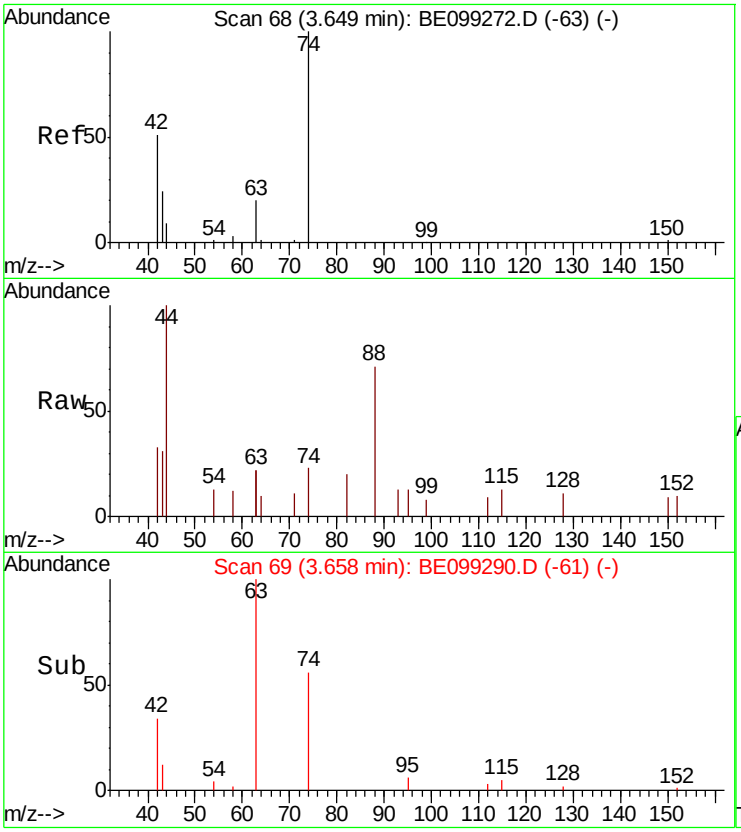


#2
1,4-Dioxane
Concen: 0.114 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion: 88 Resp: 531

Ion	Ratio	Lower	Upper
88	100		
58	54.0	47.4	71.0
43	27.5	15.6	23.4#

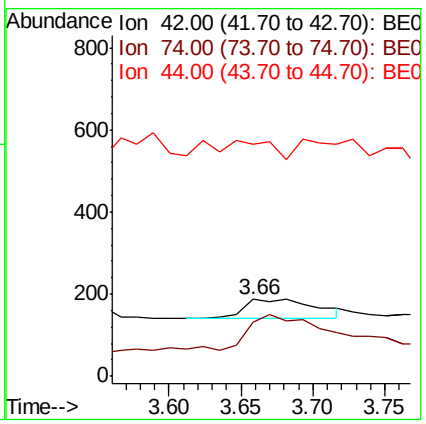




#3
n-Nitrosodimethylamine
Concen: 0.060 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion: 42 Resp: 166

Ion	Ratio	Lower	Upper
42	100		
74	183.7	138.6	207.8
44	0.0	15.0	22.6#



Instrument :
BNA_E
ClientSampleId :
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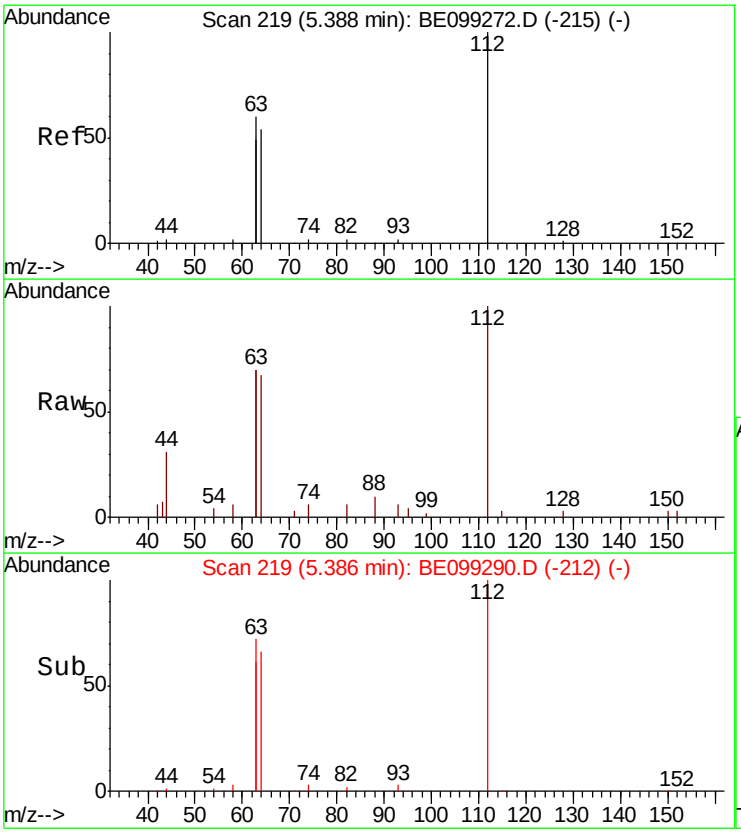
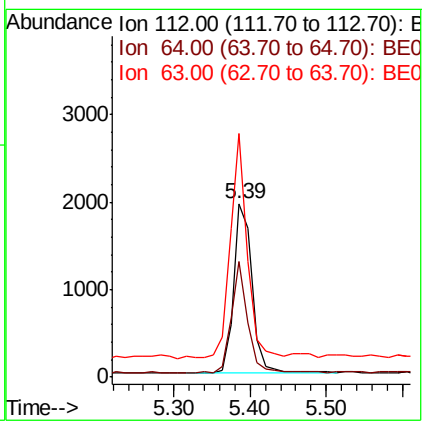
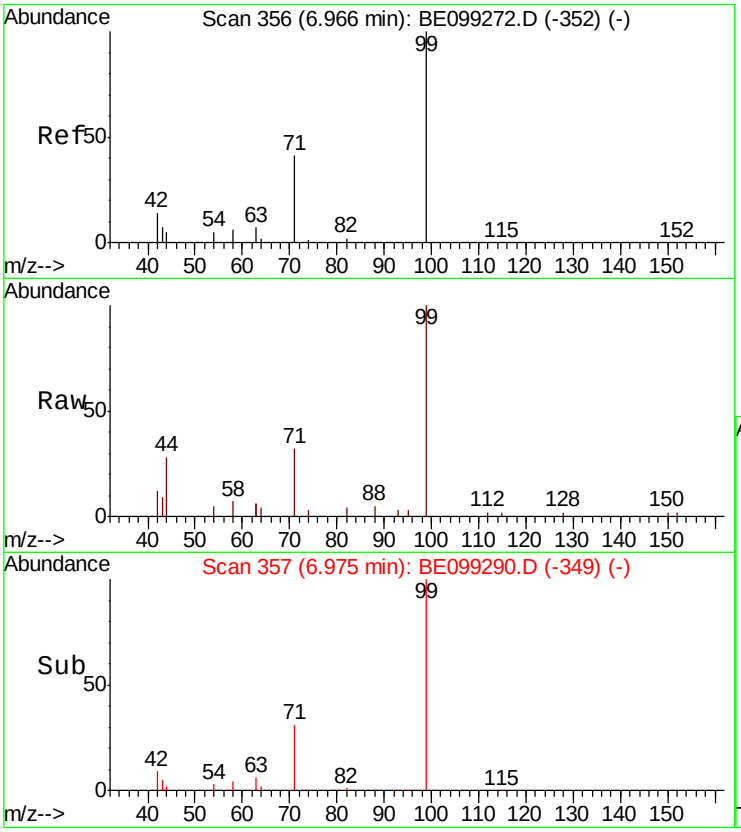


#4
2-Fluorophenol
Concen: 0.364 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:112 Resp: 3304

Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.2	69.2
63	119.2	89.9	134.9

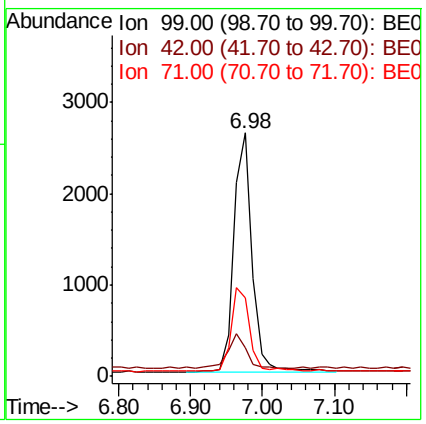




#5
Phenol-d6
Concen: 0.370 ng
RT: 6.98 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion: 99 Resp: 4610

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.4	18.6
71	35.5	28.4	42.6



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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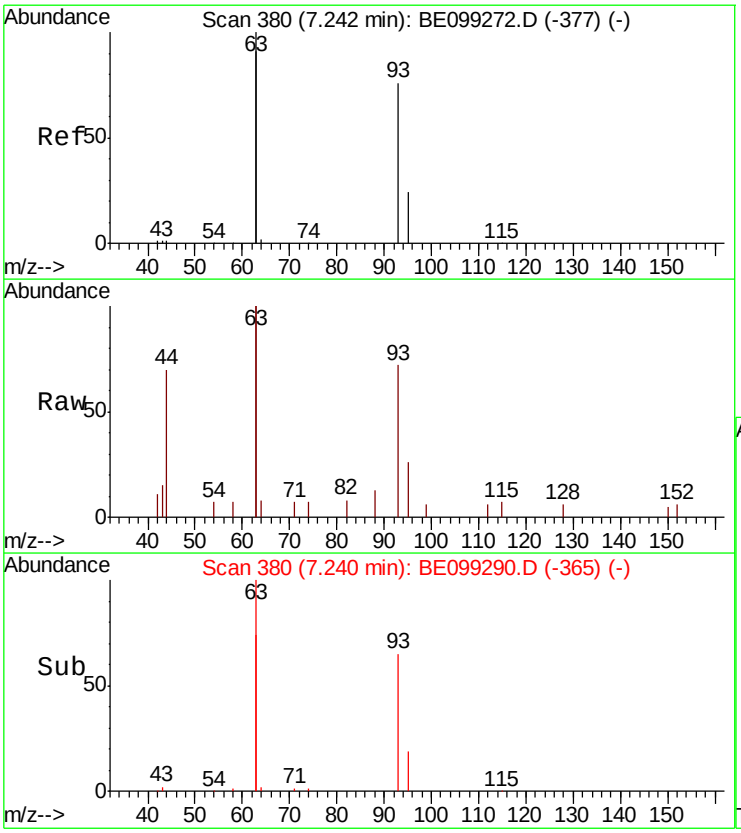
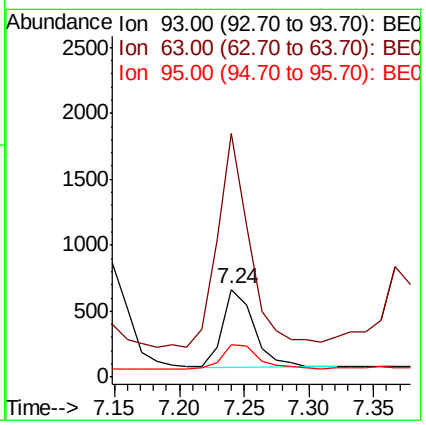
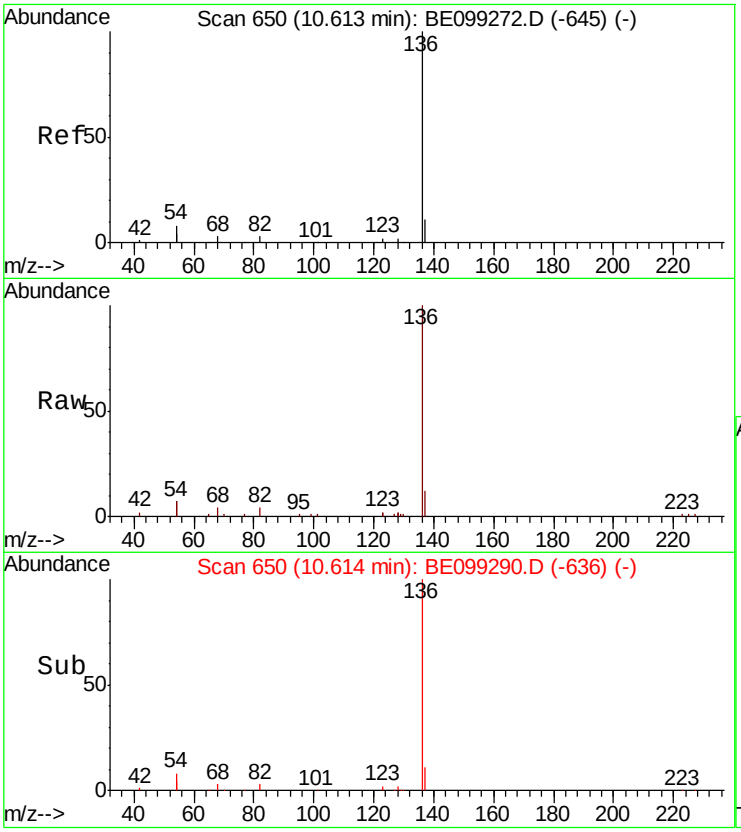


#6
bis(2-Chloroethyl)ether
Concen: 0.092 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion: 93 Resp: 1031

Ion	Ratio	Lower	Upper
93	100		
63	275.2	221.4	332.0
95	37.8	25.8	38.8

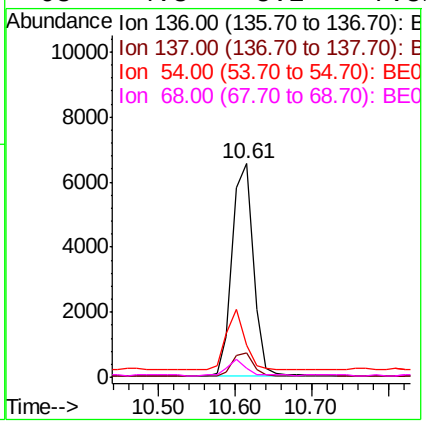




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:136 Resp: 12465

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	15.0	18.7	28.1#
68	4.3	5.2	7.8#



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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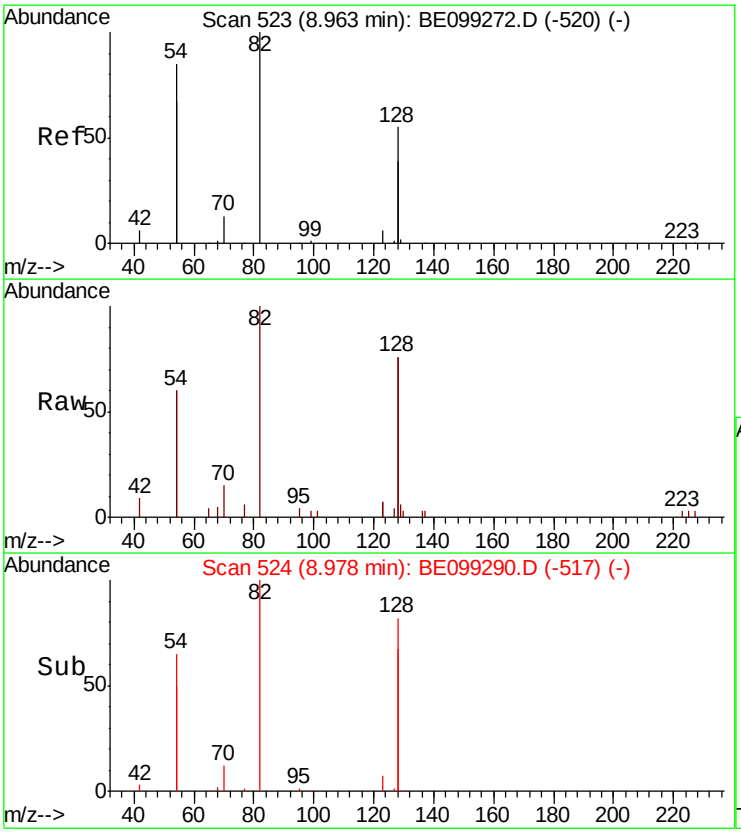
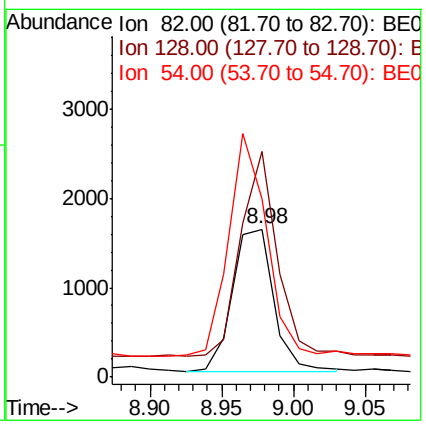
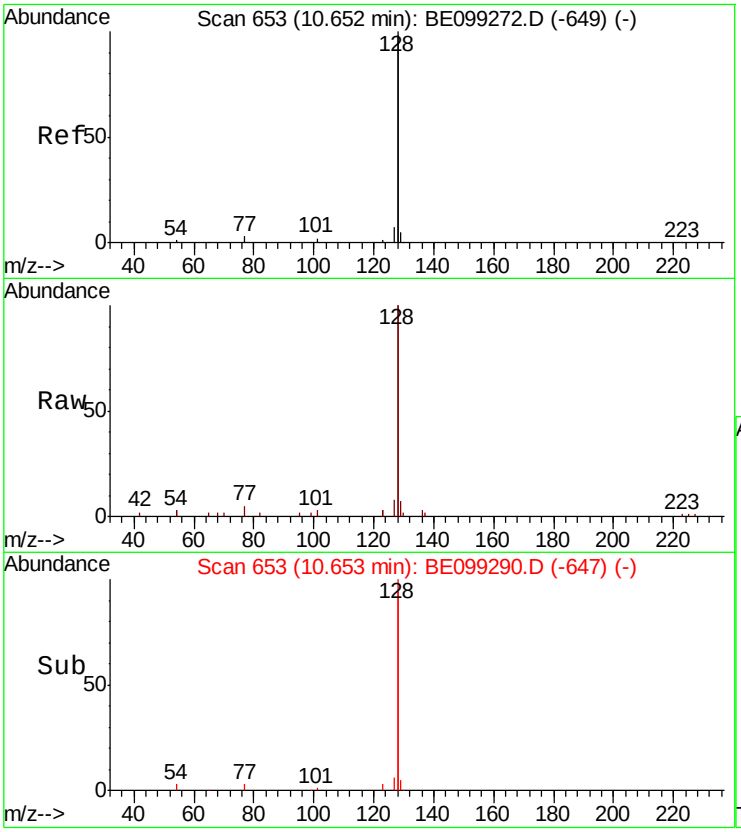


#8
Nitrobenzene-d5
Concen: 0.378 ng
RT: 8.98 min Scan# 524
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion: 82 Resp: 3231

Ion	Ratio	Lower	Upper
82	100		
128	152.6	107.5	161.3
54	121.0	106.3	159.5

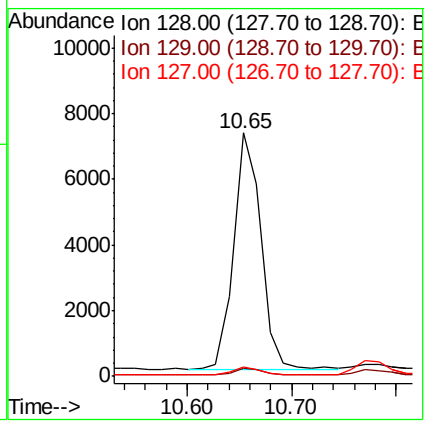




#9
Naphthalene
Concen: 0.096 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:128 Resp: 12973

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.3	3.5
127	3.8	2.6	3.8



Instrument :
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ClientSampleId :
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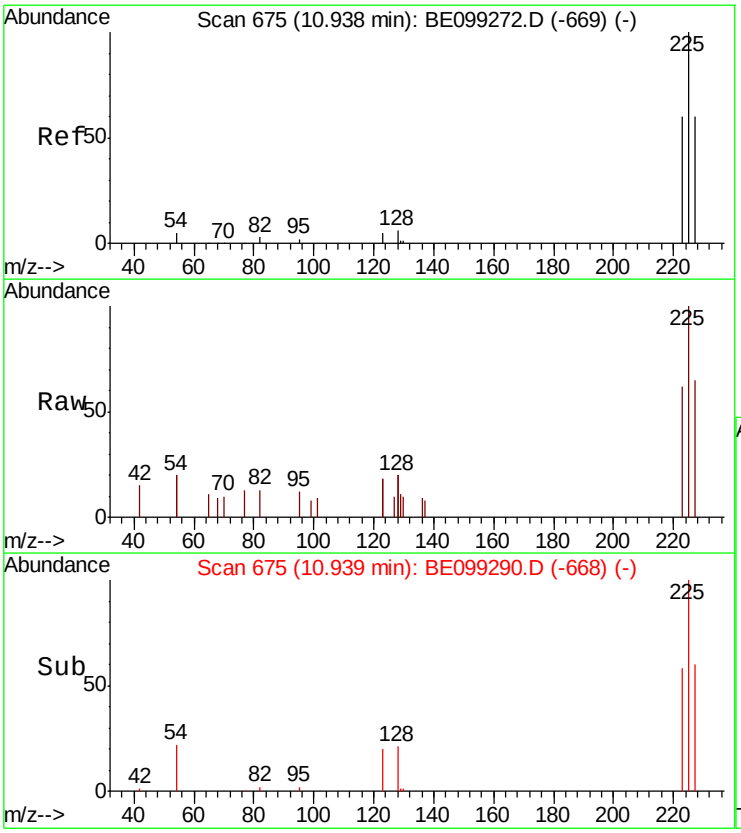
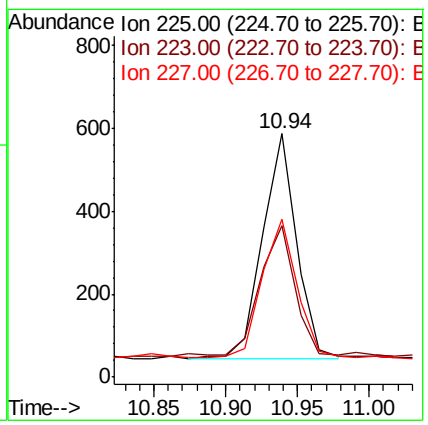
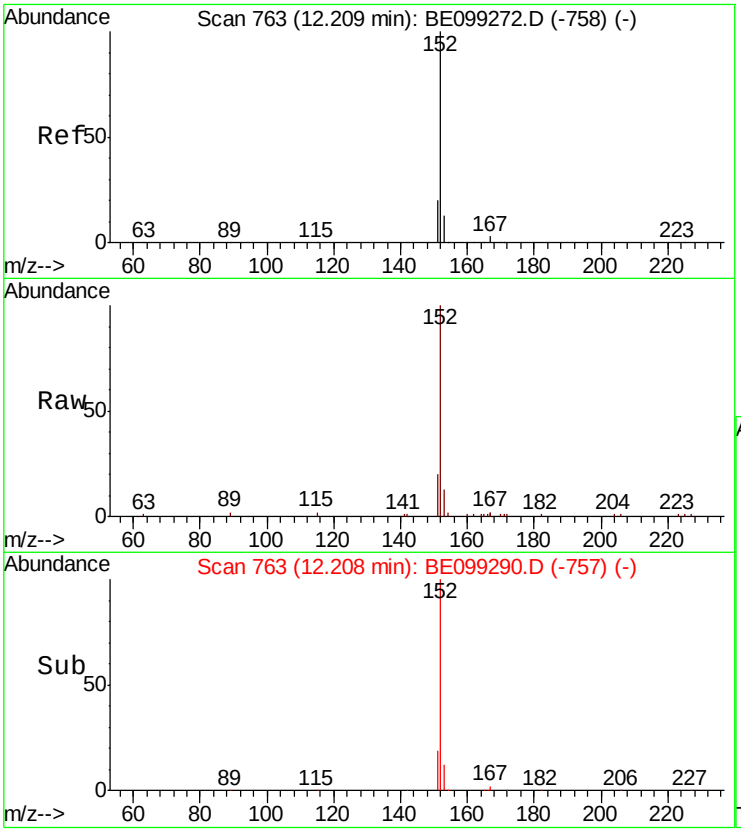


#10
Hexachlorobutadiene
Concen: 0.102 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:225 Resp: 896

Ion	Ratio	Lower	Upper
225	100		
223	61.4	51.3	76.9
227	62.8	48.6	73.0

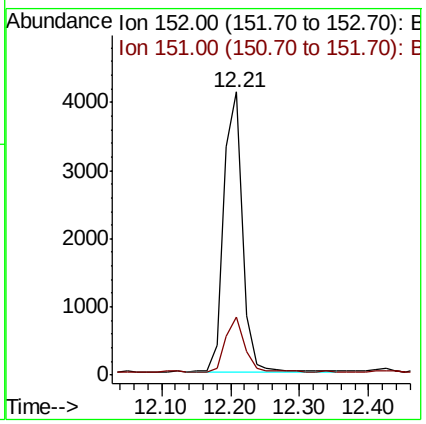




#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:152 Resp: 7686

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.0	22.6



Instrument :
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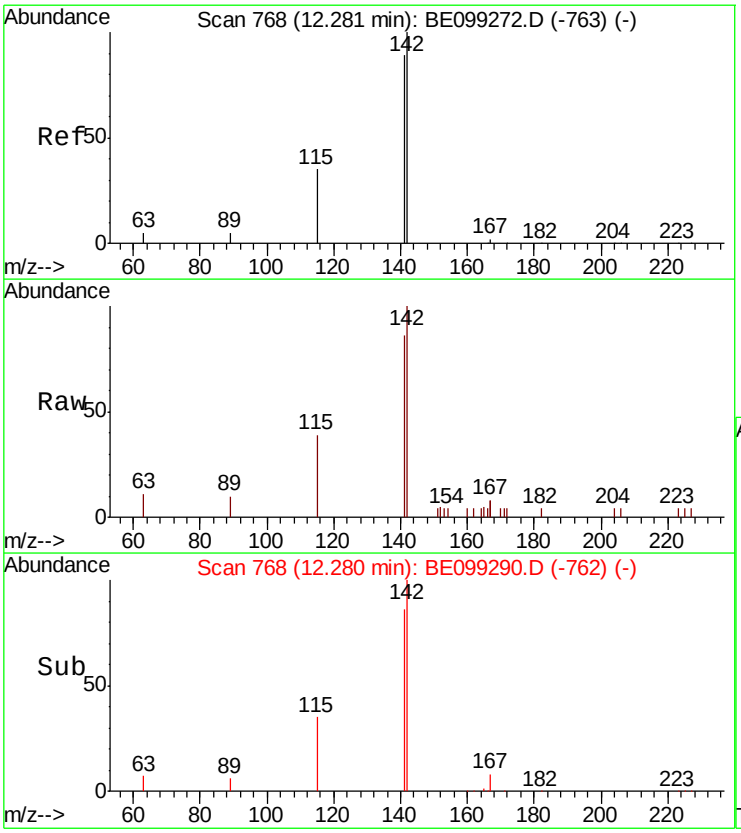
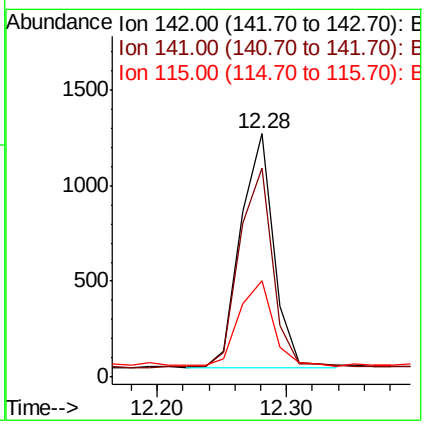
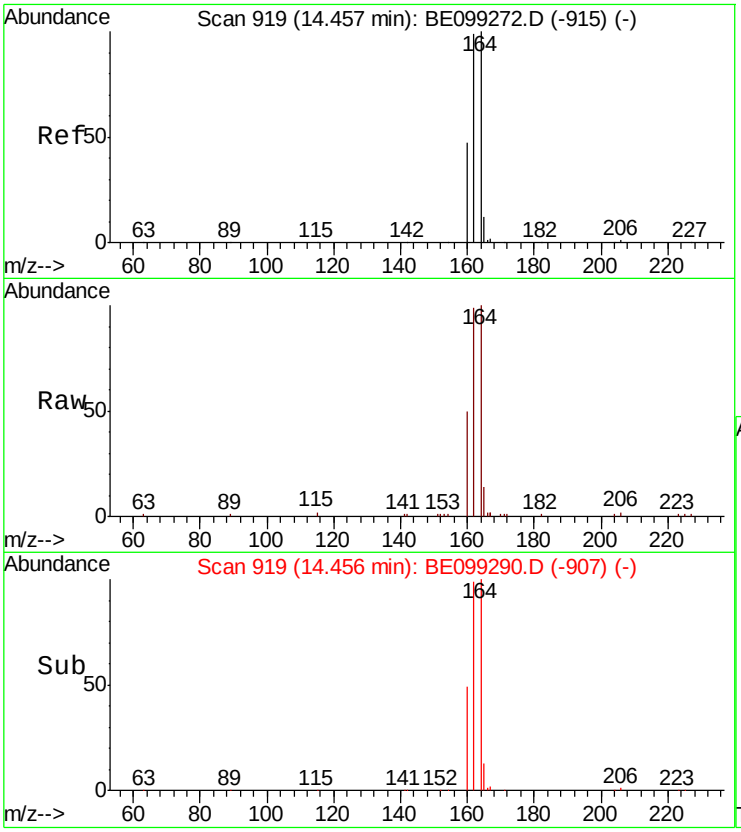


#12
2-Methylnaphthalene
Concen: 0.093 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:142 Resp: 2151

Ion	Ratio	Lower	Upper
142	100		
141	85.9	71.3	106.9
115	39.4	30.4	45.6

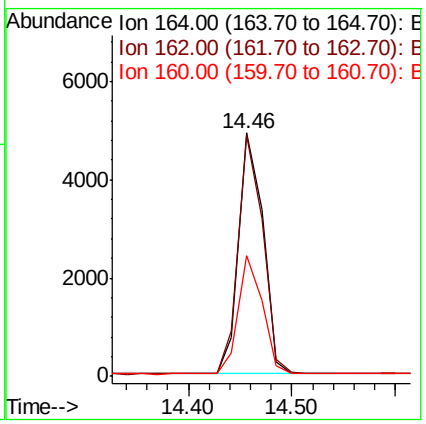




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:164 Resp: 8039

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.2	118.8
160	49.8	36.7	55.1



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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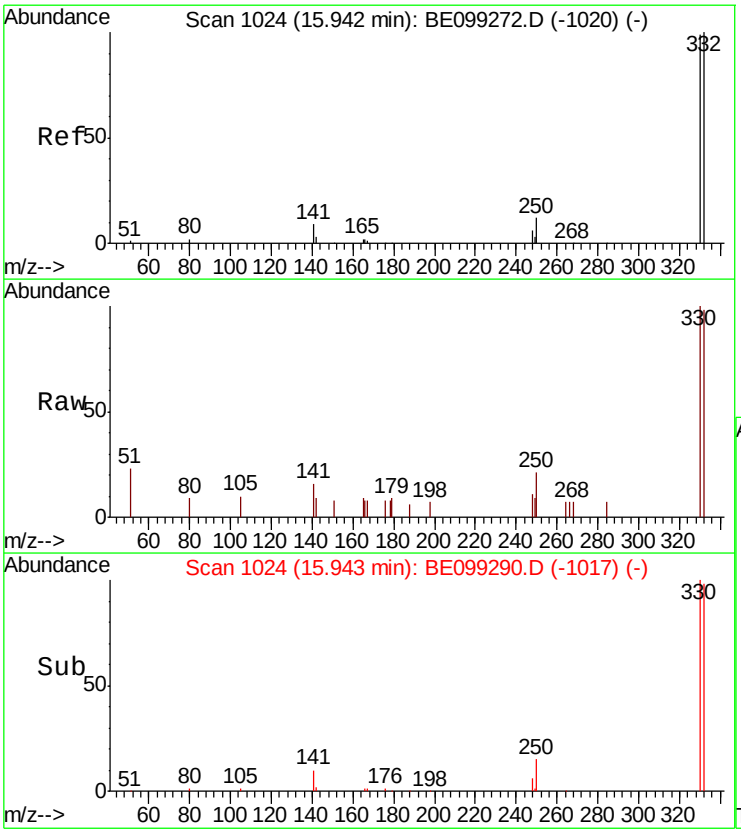
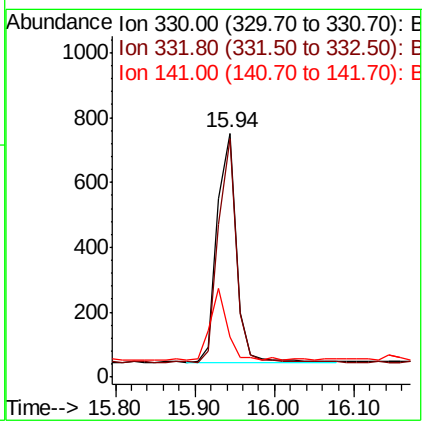
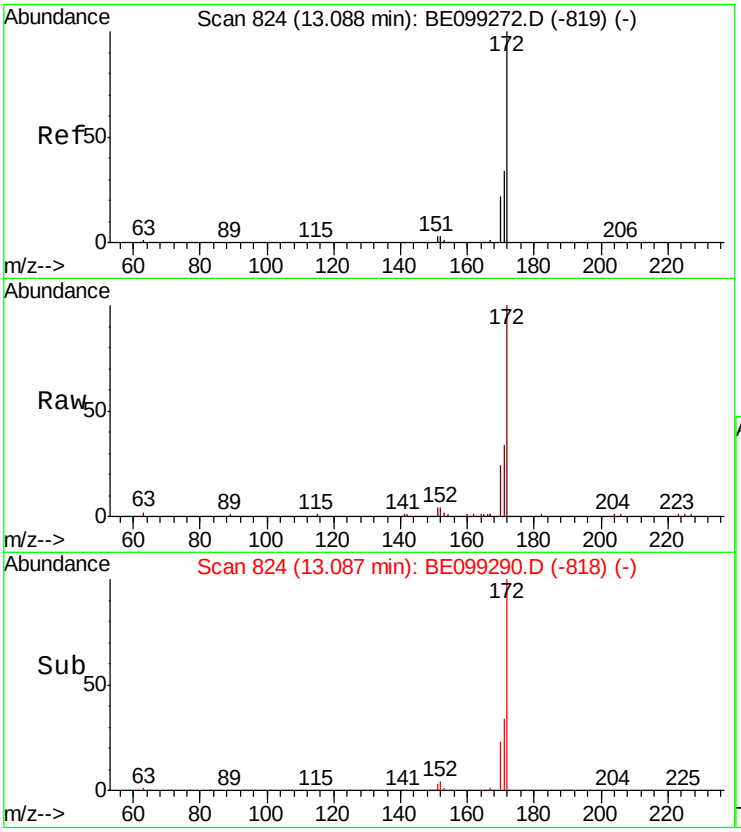


#14
2,4,6-Tribromophenol
Concen: 0.319 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:330 Resp: 1183

Ion	Ratio	Lower	Upper
330	100		
332	91.4	71.3	106.9
141	28.2	21.7	32.5

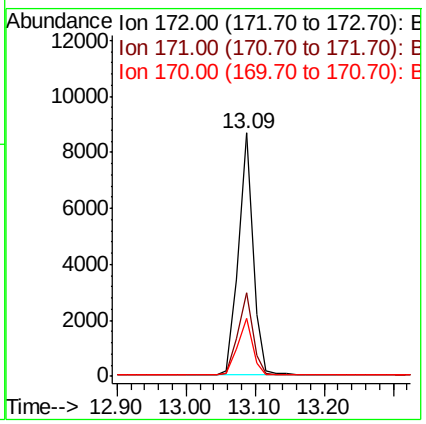




#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:172 Resp: 12698

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.0
170	23.7	19.1	28.7



Instrument :
BNA_E
ClientSampleId :
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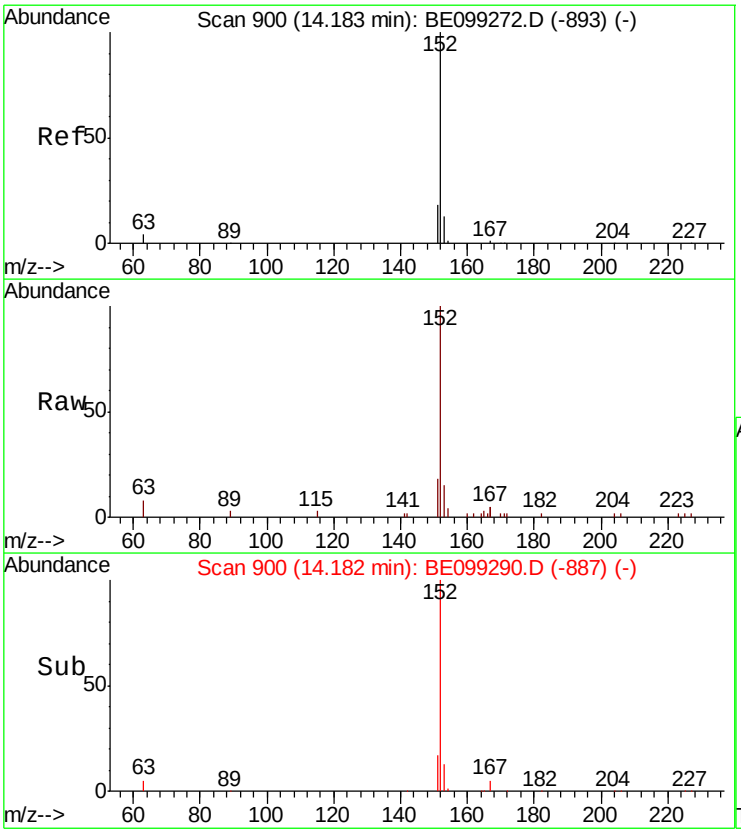
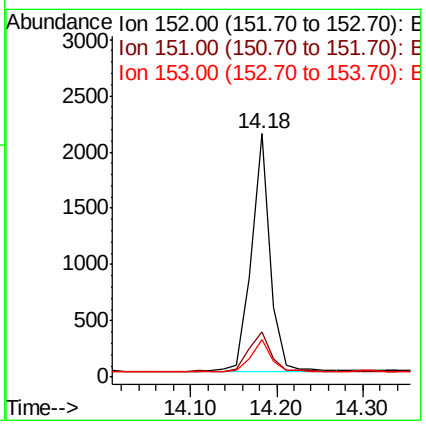
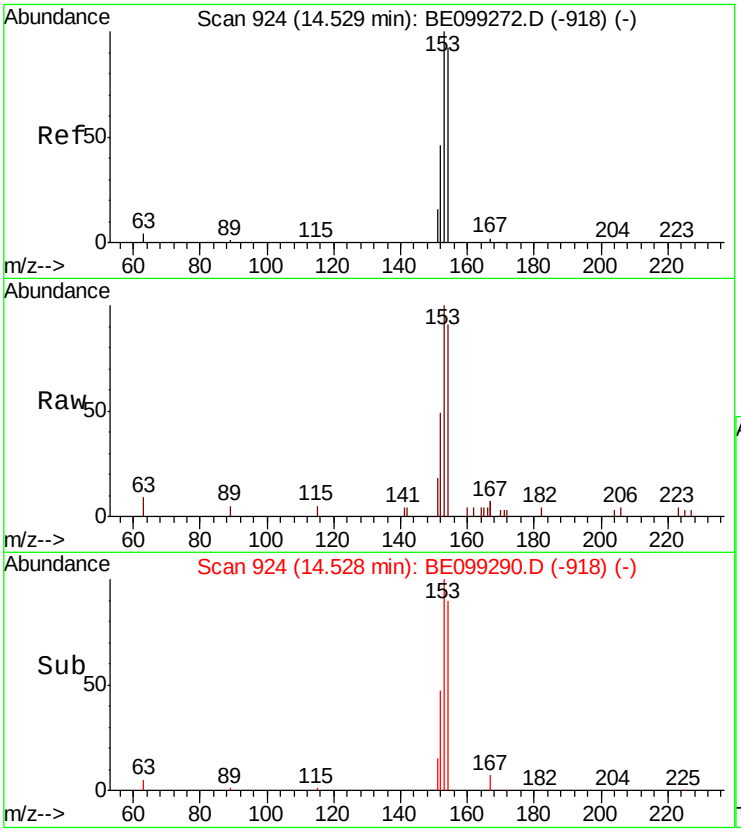


#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:152 Resp: 3205

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	14.0	10.6	15.8

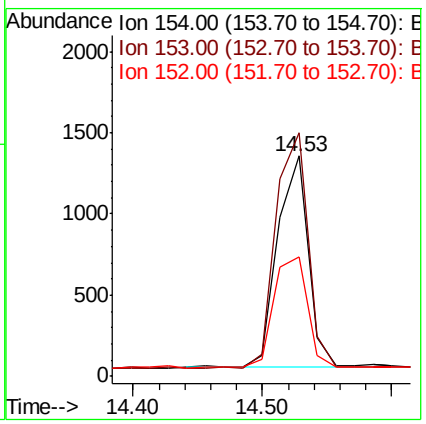




#17
Acenaphthene
Concen: 0.096 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:154 Resp: 2160

Ion	Ratio	Lower	Upper
154	100		
153	116.2	93.4	140.0
152	58.9	46.6	69.8



Instrument :
BNA_E
ClientSampleId :
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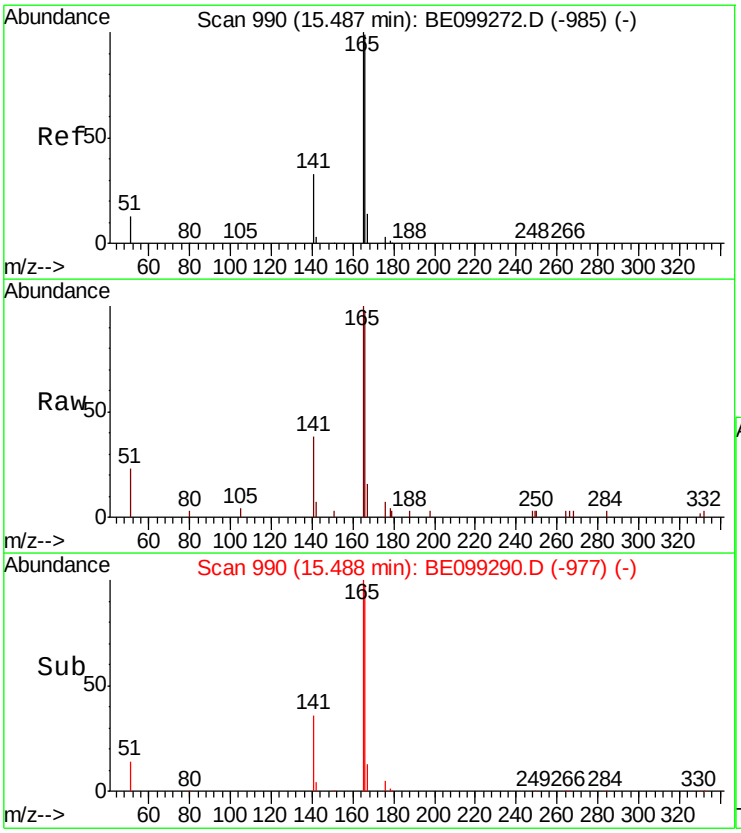
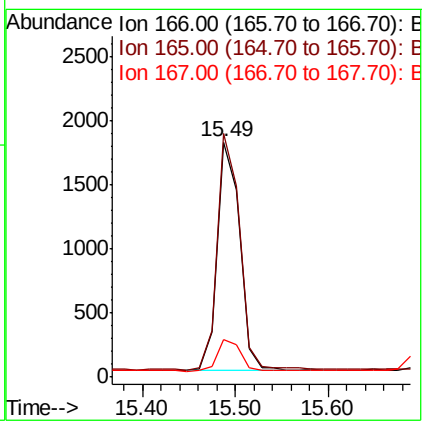
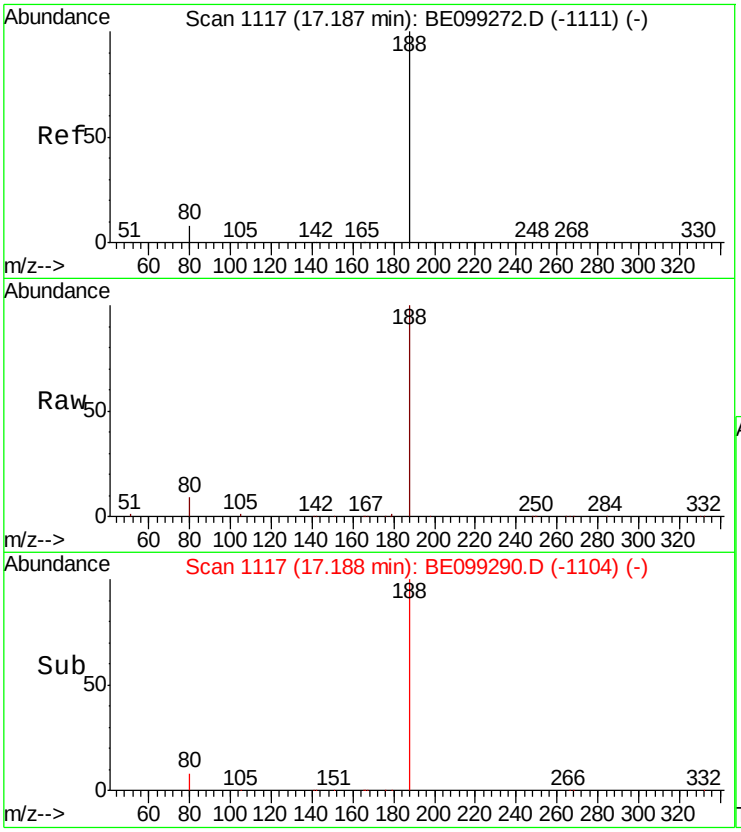


#18
Fluorene
Concen: 0.093 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:166 Resp: 3007

Ion	Ratio	Lower	Upper
166	100		
165	102.6	78.9	118.3
167	14.1	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: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:188 Resp: 24194

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	4.5	6.7#

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ClientSampleId :
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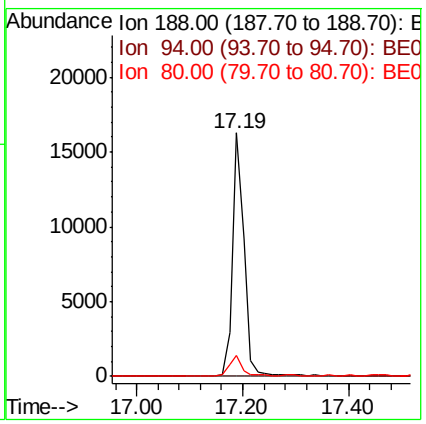
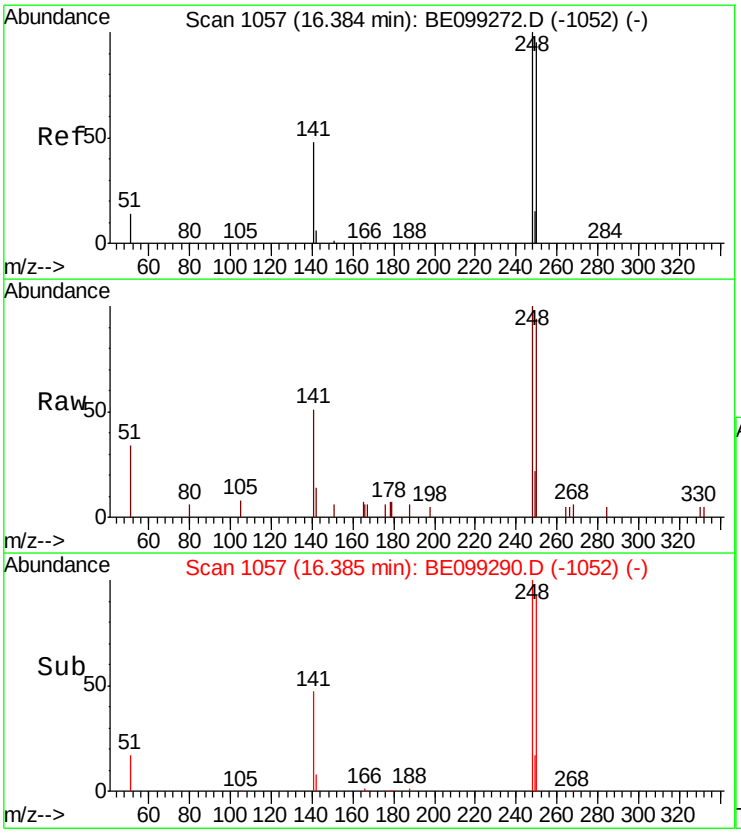
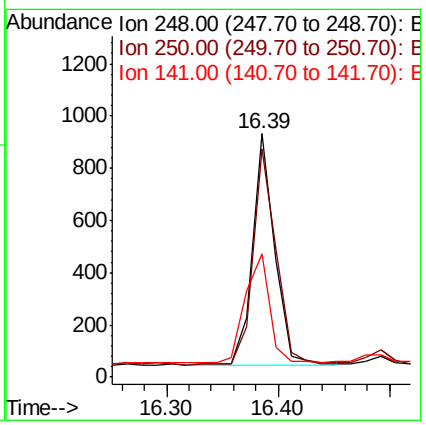


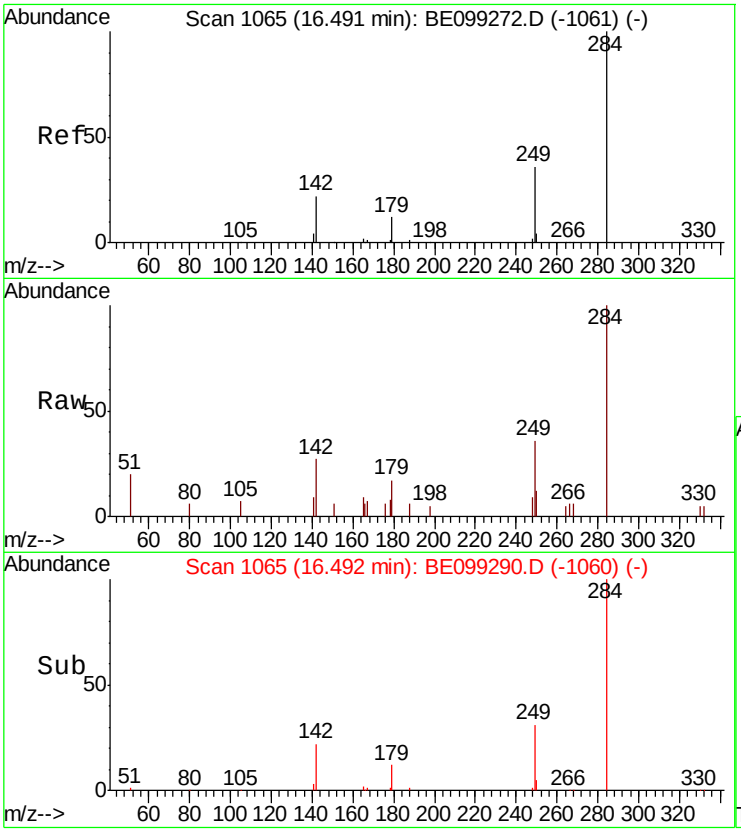


#20
4-Bromophenyl-phenylether
Concen: 0.090 ng
RT: 16.39 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:248 Resp: 1235

Ion	Ratio	Lower	Upper
248	100		
250	93.7	84.2	126.2
141	50.8	21.8	32.6#

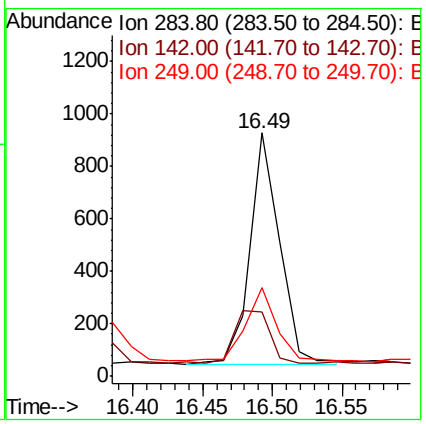




#21
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:284 Resp: 1310

Ion	Ratio	Lower	Upper
284	100		
142	27.1	22.7	34.1
249	32.0	26.9	40.3



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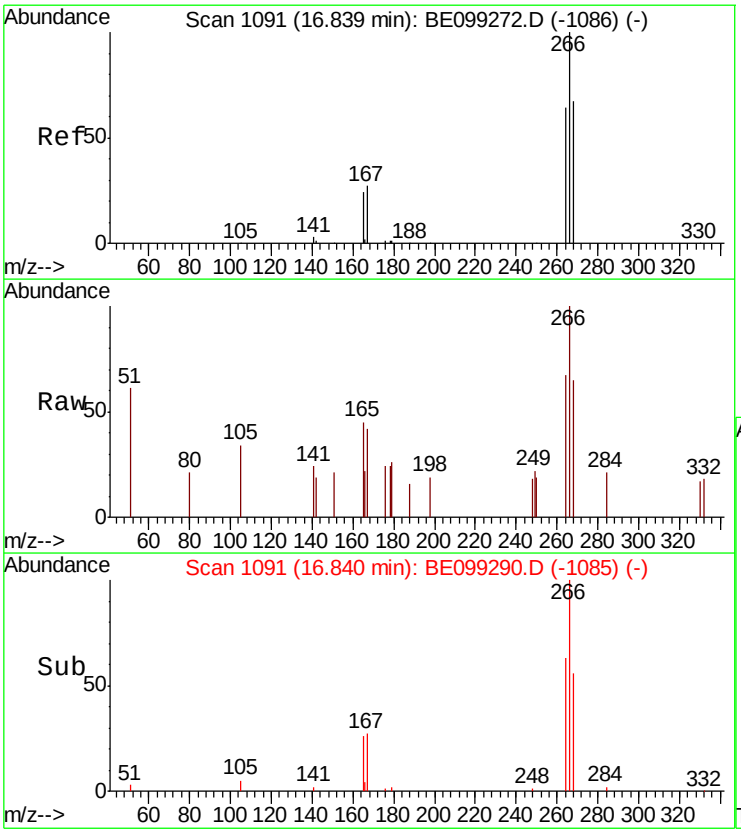
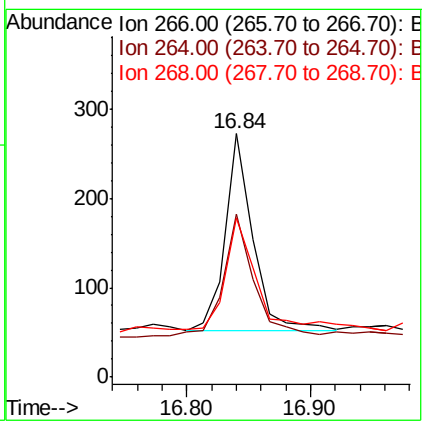
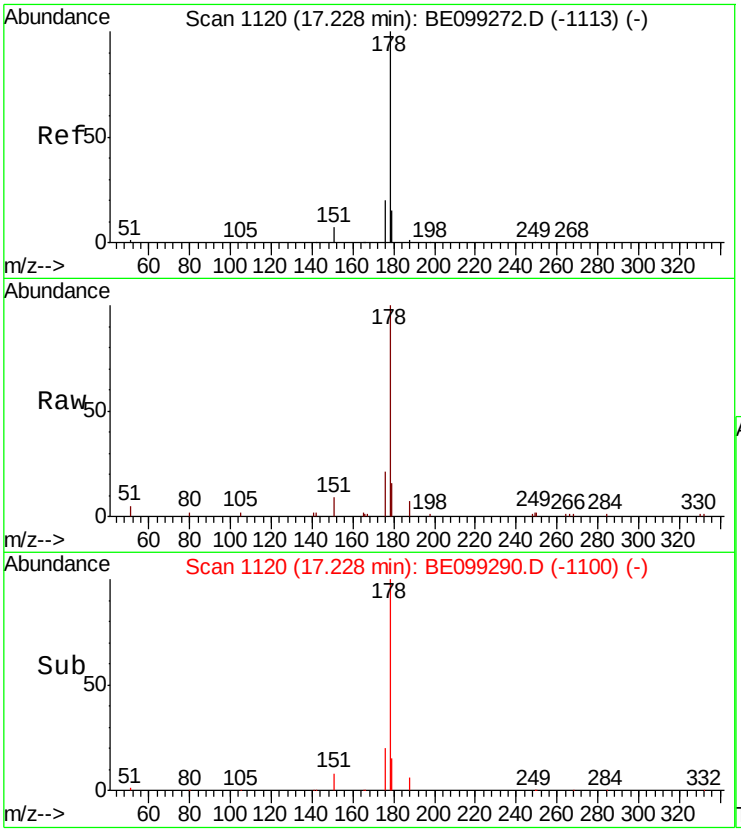


#22
Pentachlorophenol
Concen: 0.063 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:266 Resp: 343

Ion	Ratio	Lower	Upper
266	100		
264	66.9	54.4	81.6
268	65.4	61.3	91.9

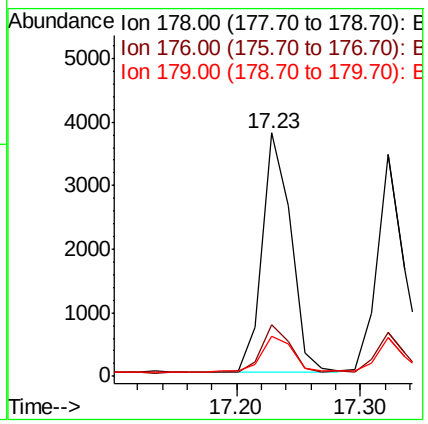




#23
Phenanthrene
Concen: 0.096 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:178 Resp: 6023

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	16.8	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
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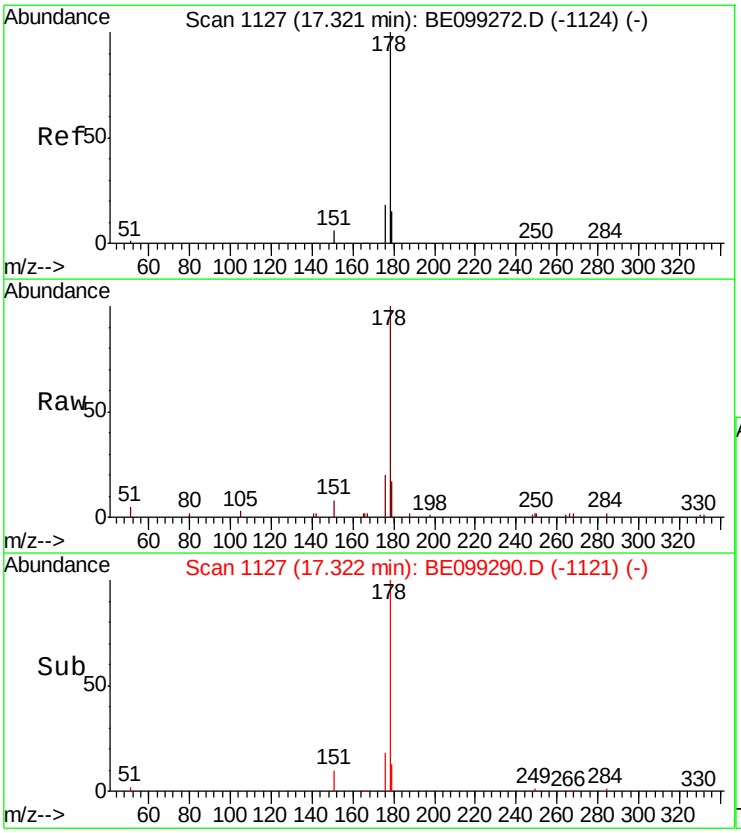
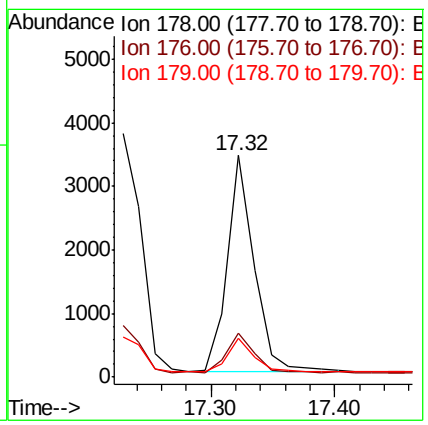
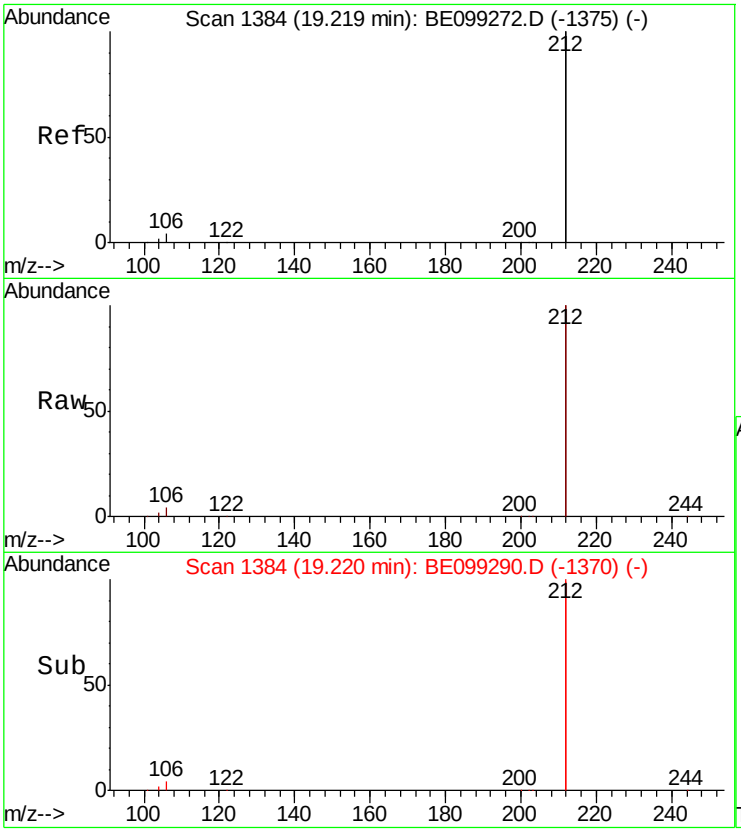


#24
Anthracene
Concen: 0.086 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:178 Resp: 5071

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	14.8	12.4	18.6

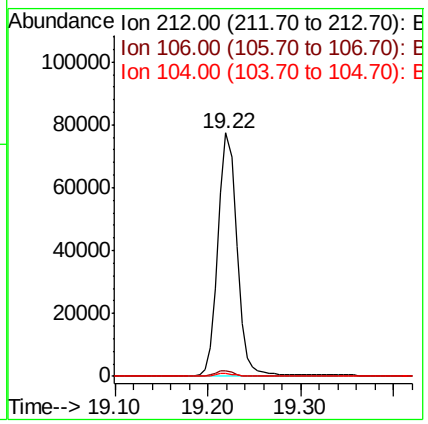




#25
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:212 Resp: 109632

Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.8	2.8
104	1.2	1.1	1.7



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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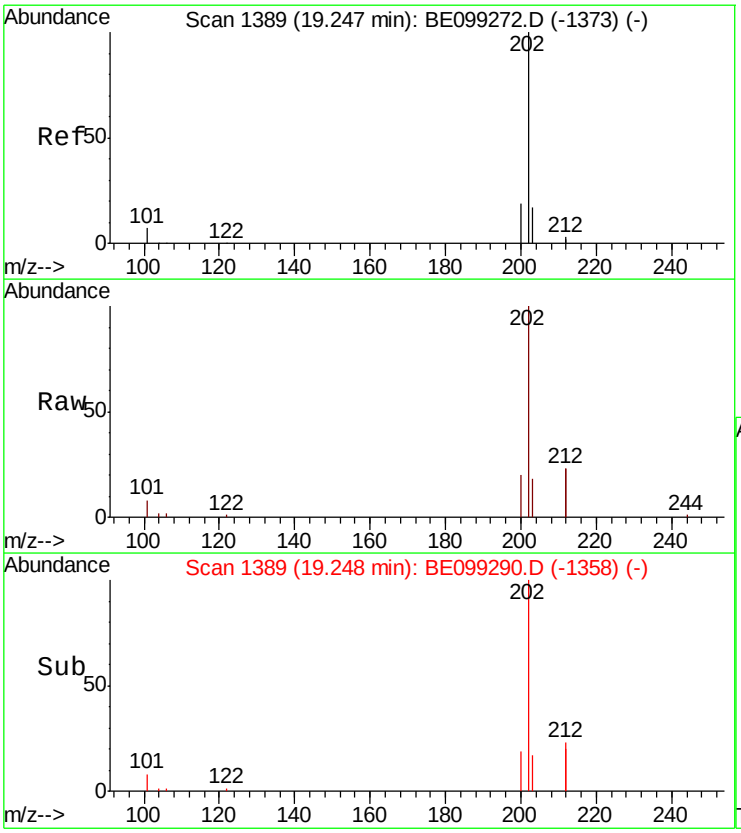
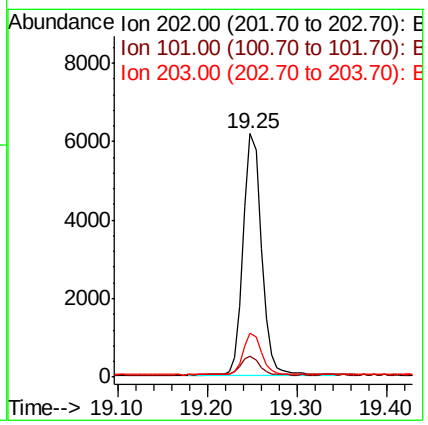
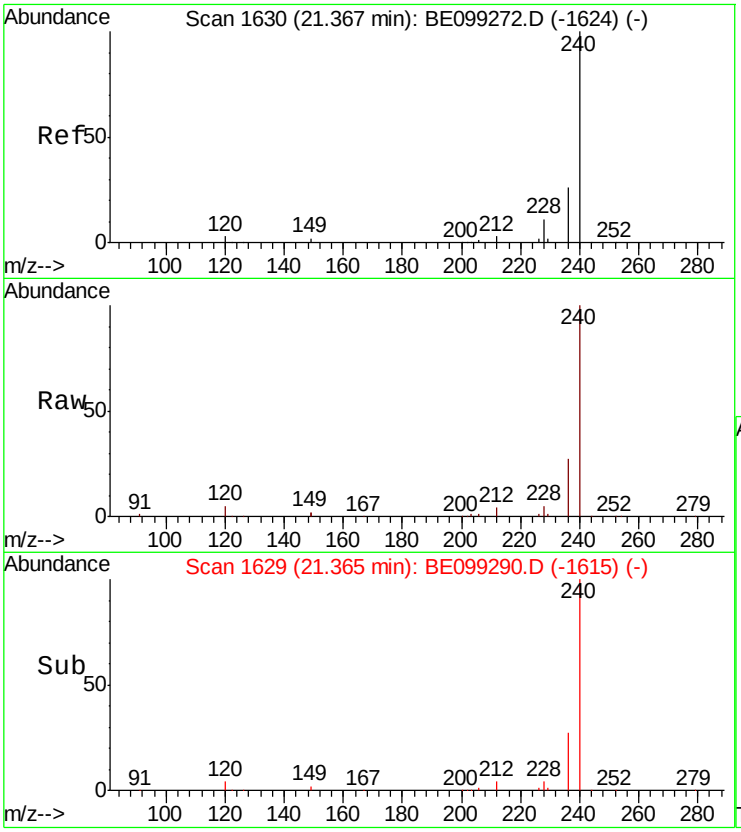


#26
Fluoranthene
Concen: 0.091 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:202 Resp: 8444

Ion	Ratio	Lower	Upper
202	100		
101	8.3	7.0	10.4
203	17.3	13.8	20.6

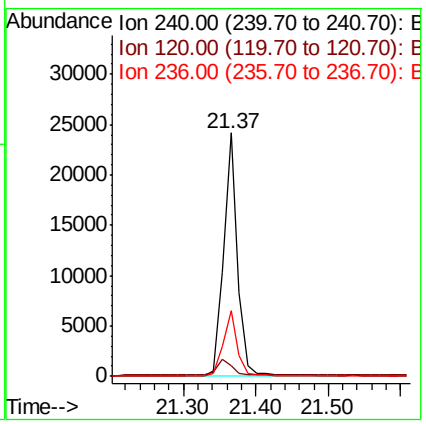




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:240 Resp: 32970

Ion	Ratio	Lower	Upper
240	100		
120	4.5	2.6	3.8#
236	26.9	20.9	31.3



Instrument :
BNA_E
ClientSampleId :
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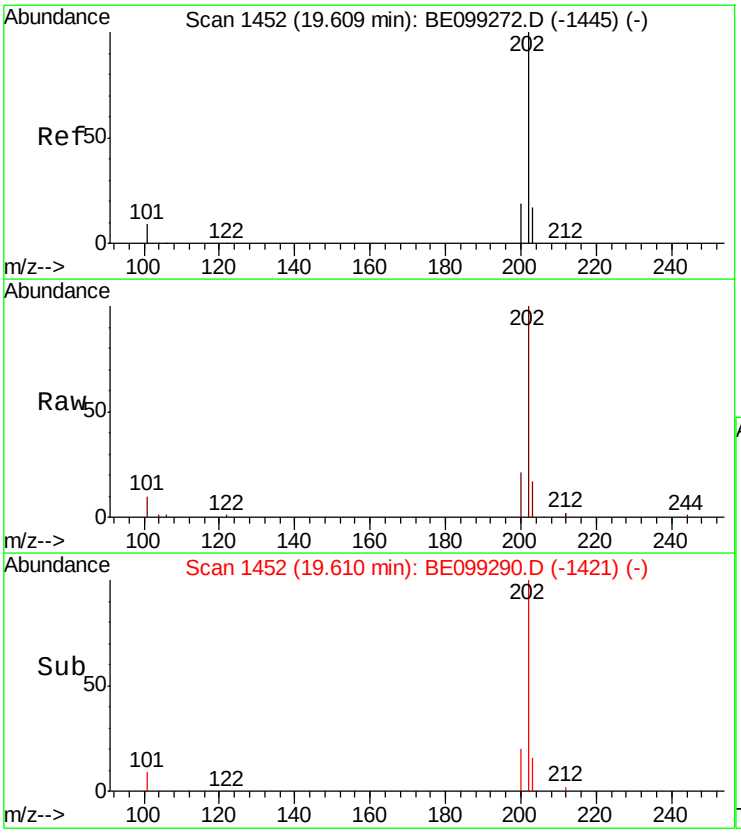
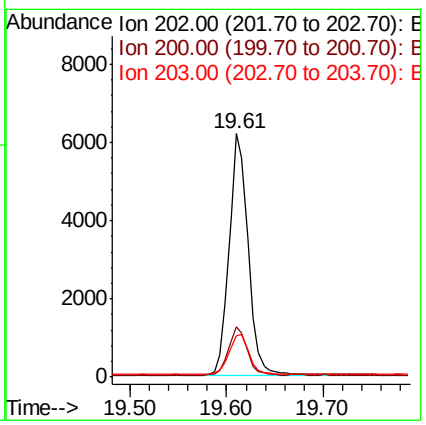
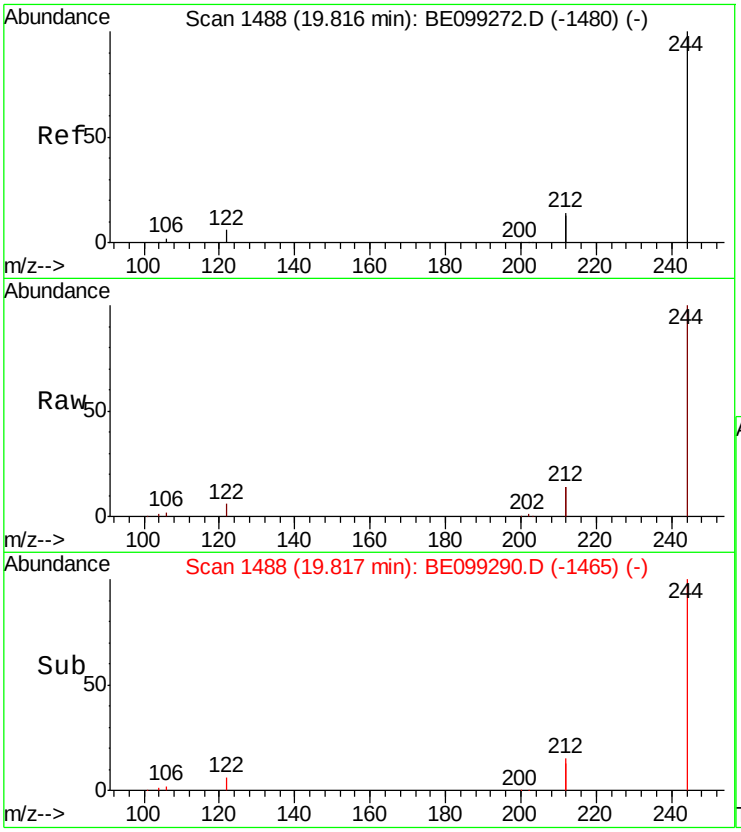


#28
Pyrene
Concen: 0.097 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:202 Resp: 8456

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.8	23.8
203	18.1	14.1	21.1

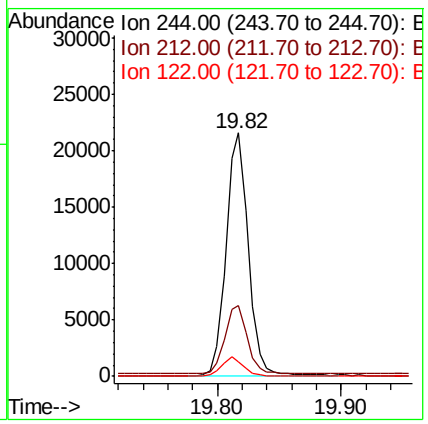




#29
Terphenyl-d14
Concen: 0.442 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:244 Resp: 26590

Ion	Ratio	Lower	Upper
244	100		
212	29.0	22.7	34.1
122	6.1	5.8	8.6



Instrument :
BNA_E
ClientSampleId :
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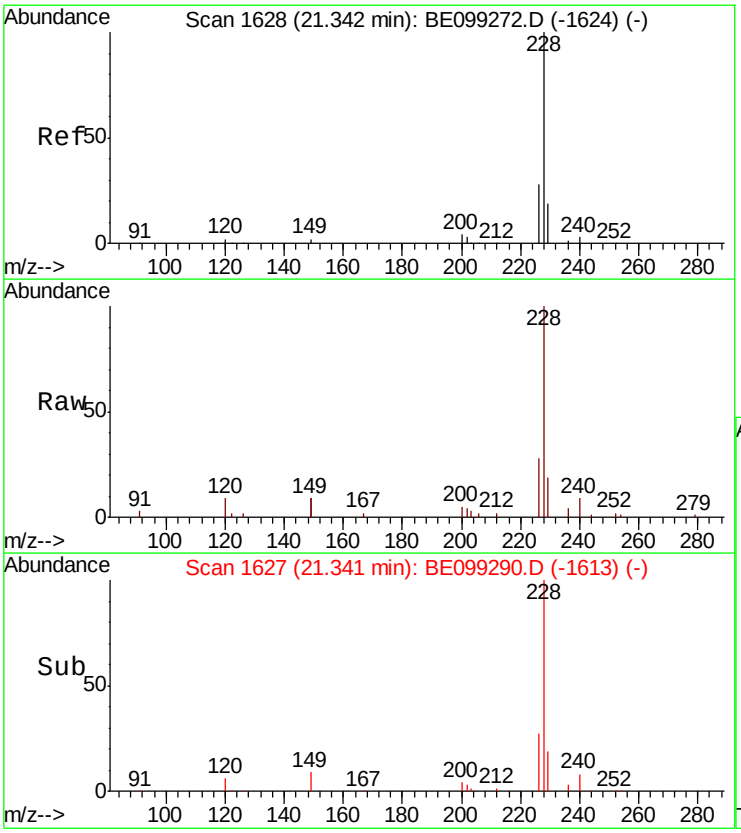
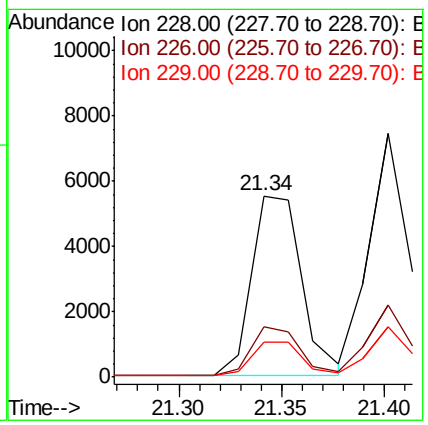
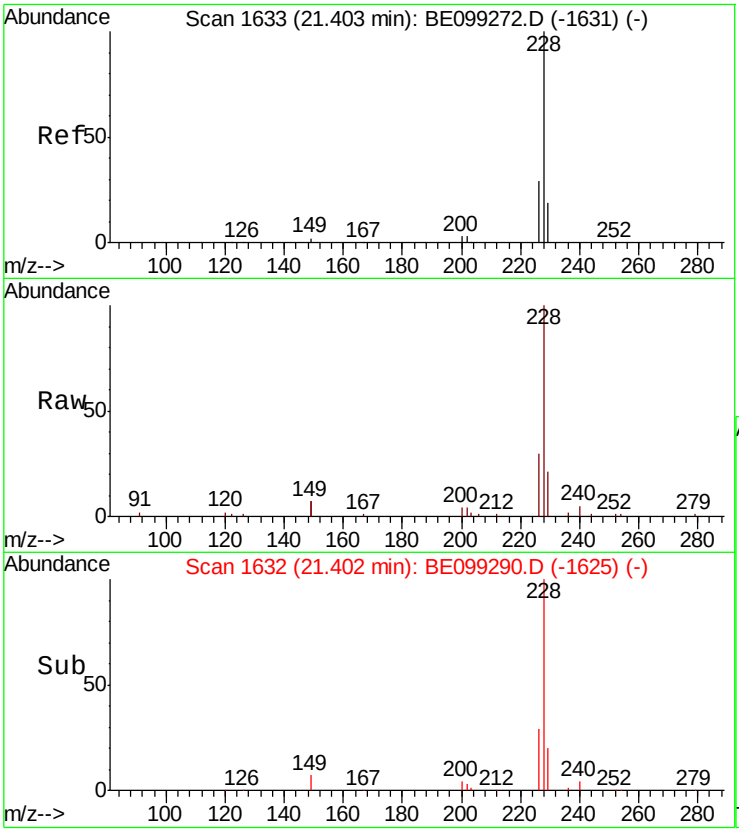


#30
Benzo(a)anthracene
Concen: 0.090 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:228 Resp: 9393

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.7	32.5
229	19.3	15.9	23.9

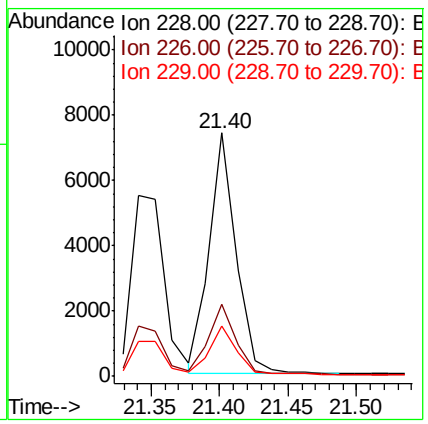




#31
Chrysene
Concen: 0.099 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:228 Resp: 10099

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.8	37.2
229	20.5	15.4	23.0



Instrument :
BNA_E
ClientSampleId :
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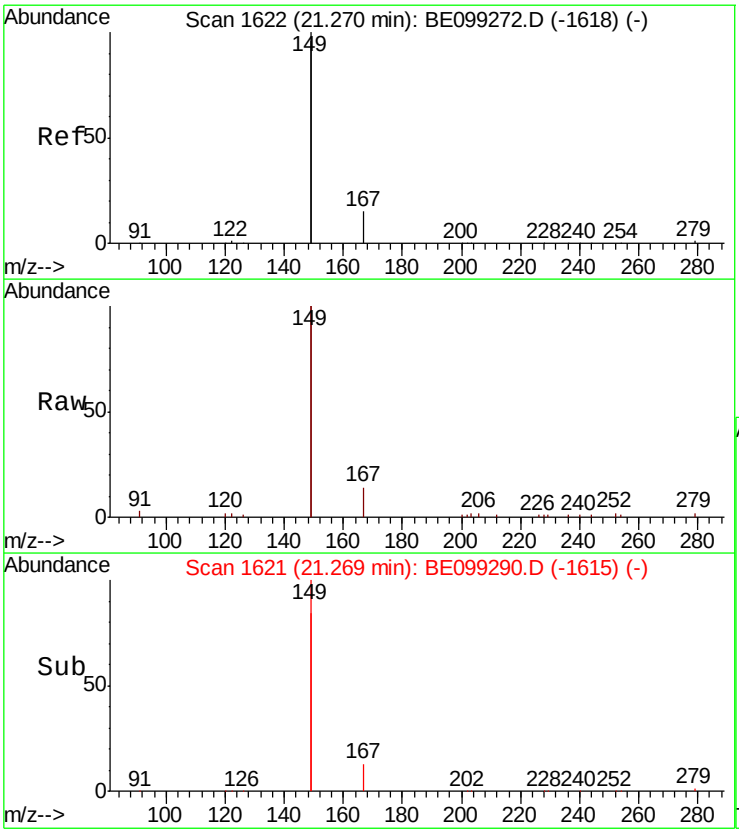
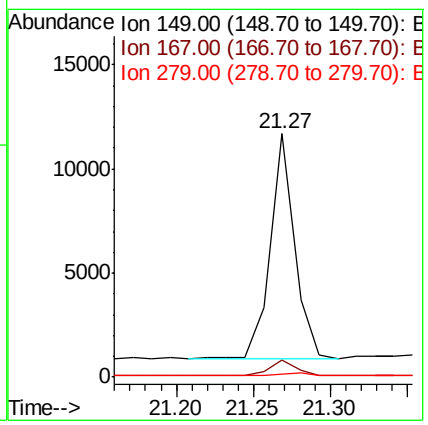
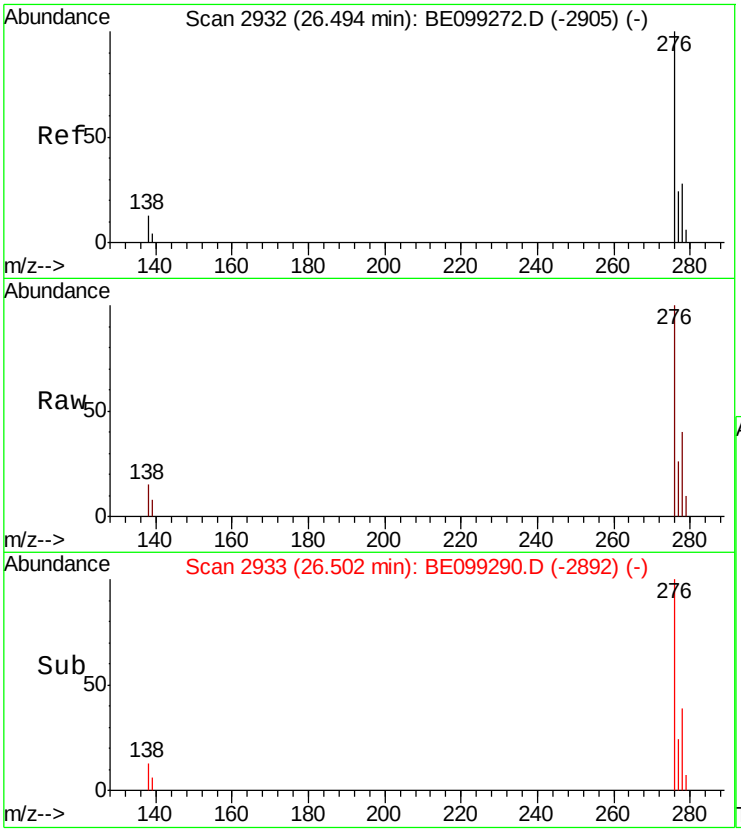


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:149 Resp: 11869

Ion	Ratio	Lower	Upper
149	100		
167	7.6	5.9	8.9
279	1.5	1.0	1.6

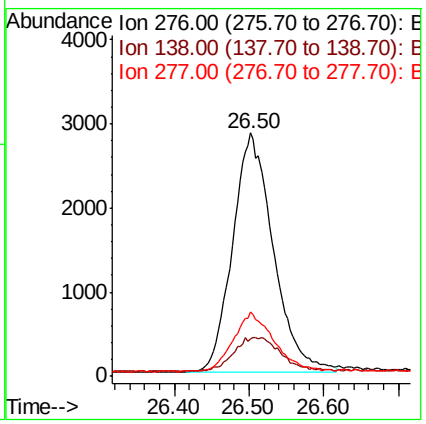




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.092 ng
RT: 26.50 min Scan# 2933
Delta R.T. -0.05 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:276 Resp: 10752

Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	24.3	18.3	27.5



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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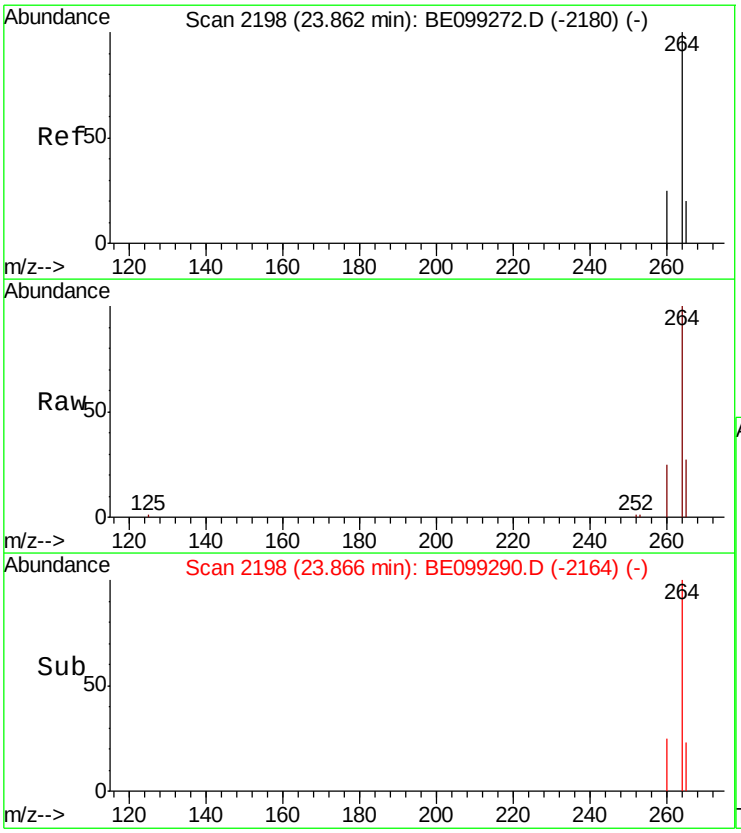
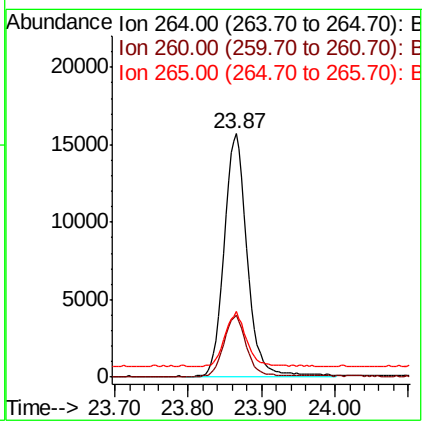
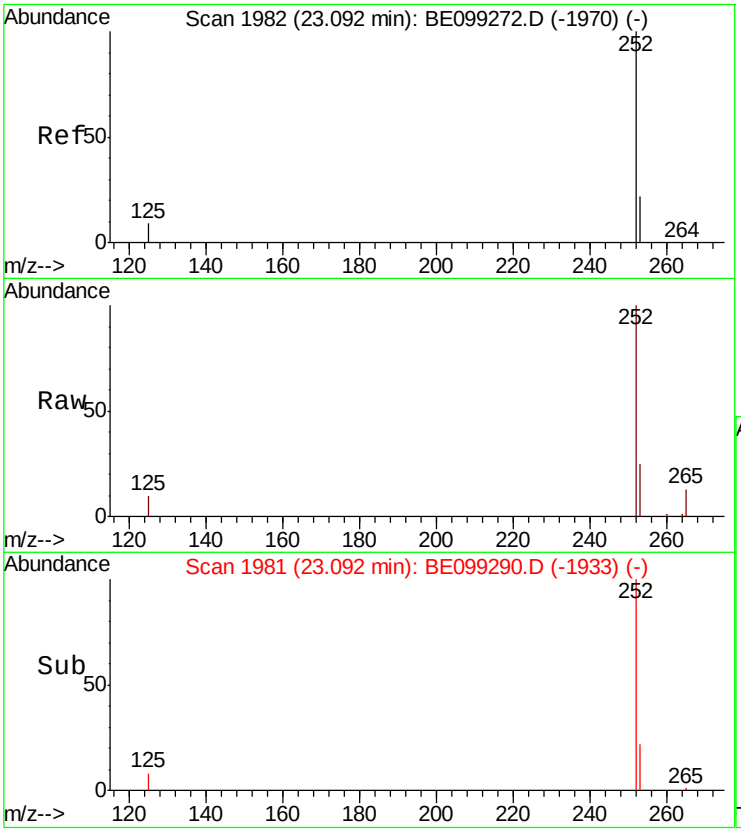


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:264 Resp: 34500

Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.2	27.2
265	26.9	21.8	32.8





#35
Benzo(b)fluoranthene
Concen: 0.095 ng m
RT: 23.09 min Scan# 1981
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:252 Resp: 9753

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	10.1	6.1	9.1#

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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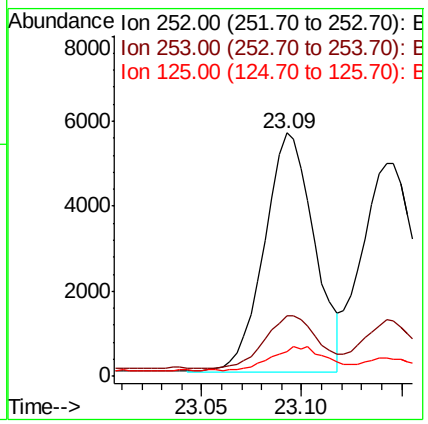
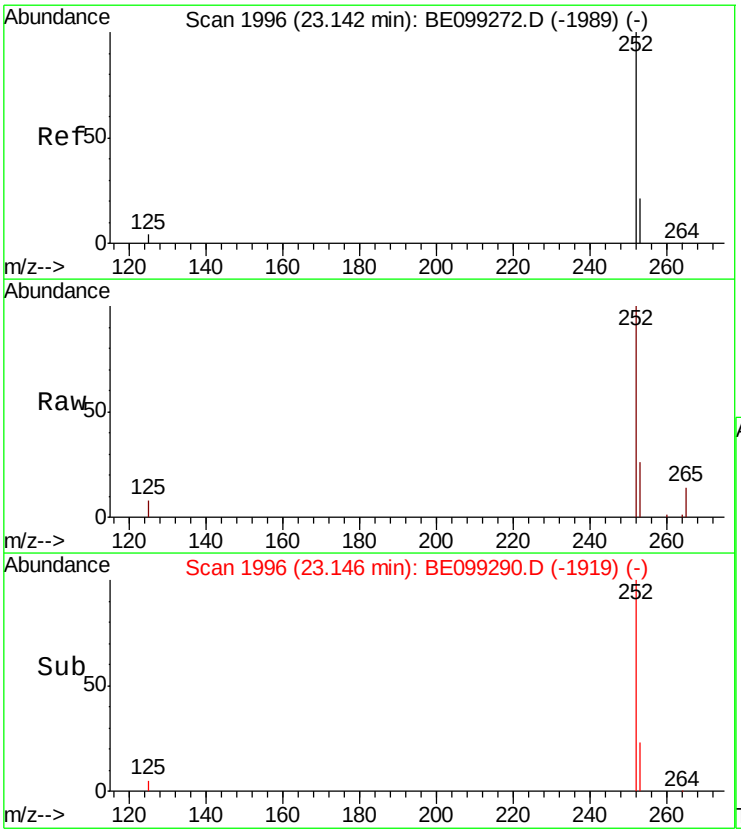
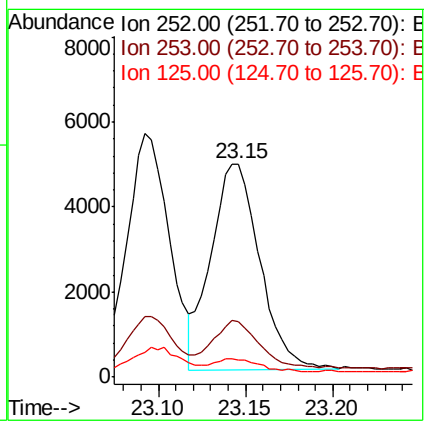


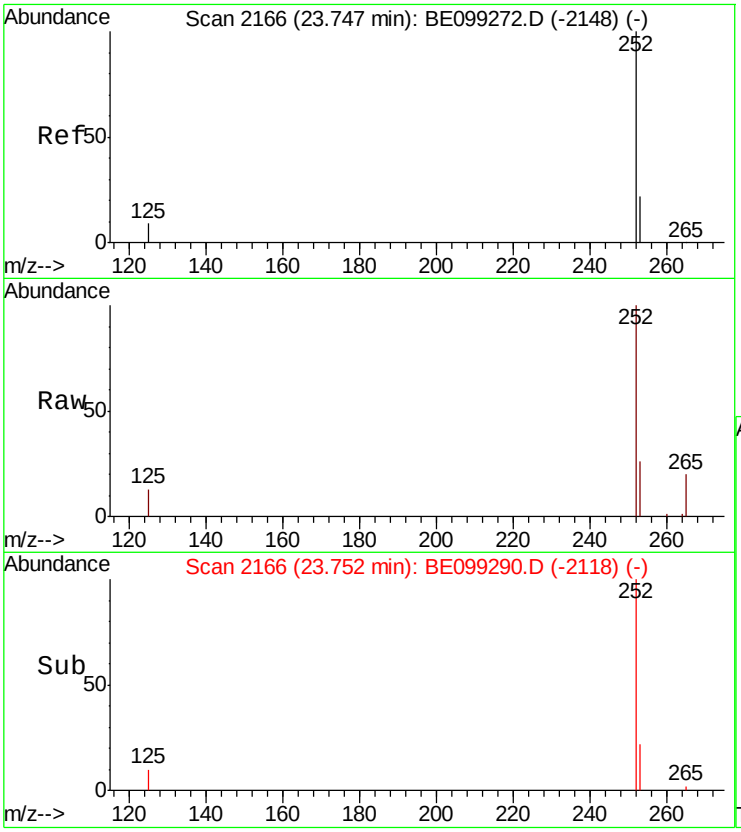


#36
Benzo(k)fluoranthene
Concen: 0.094 ng
RT: 23.15 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:252 Resp: 9444

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.6
125	7.8	5.9	8.9





#37
Benzo(a)pyrene
Concen: 0.090 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.03 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:252 Resp: 8671

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.1	27.1
125	13.4	6.8	10.2#

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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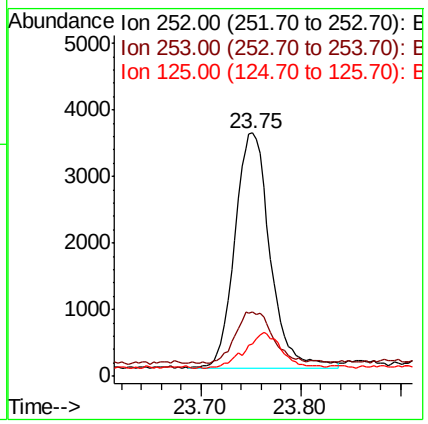
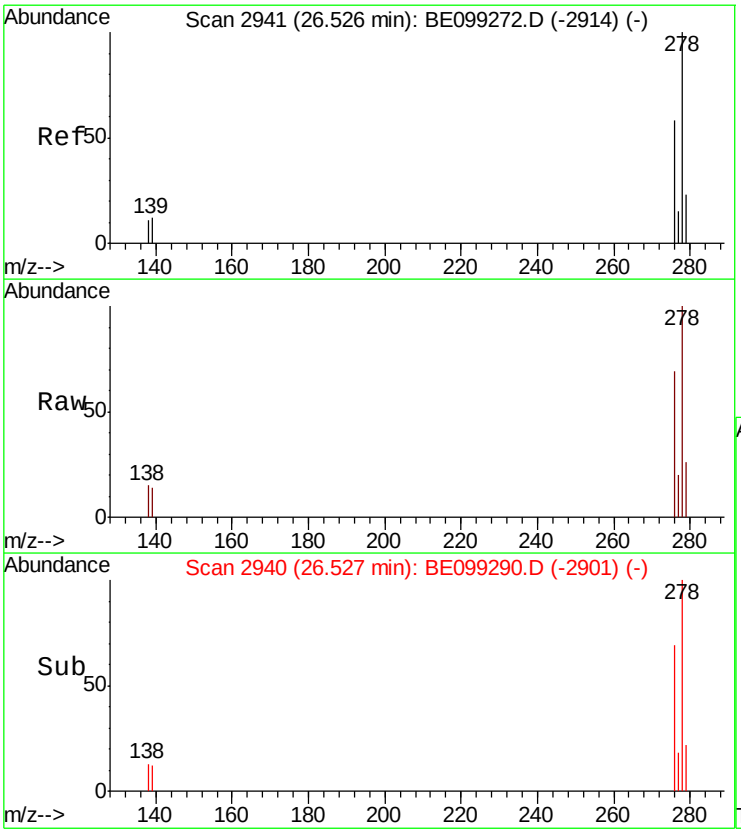
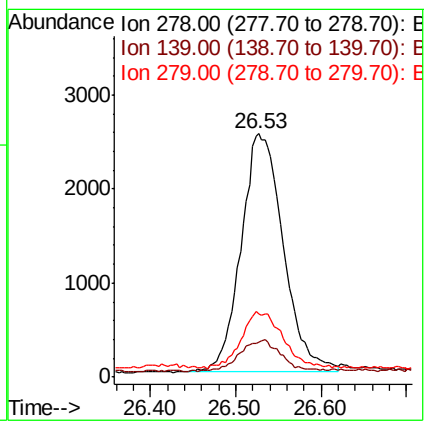


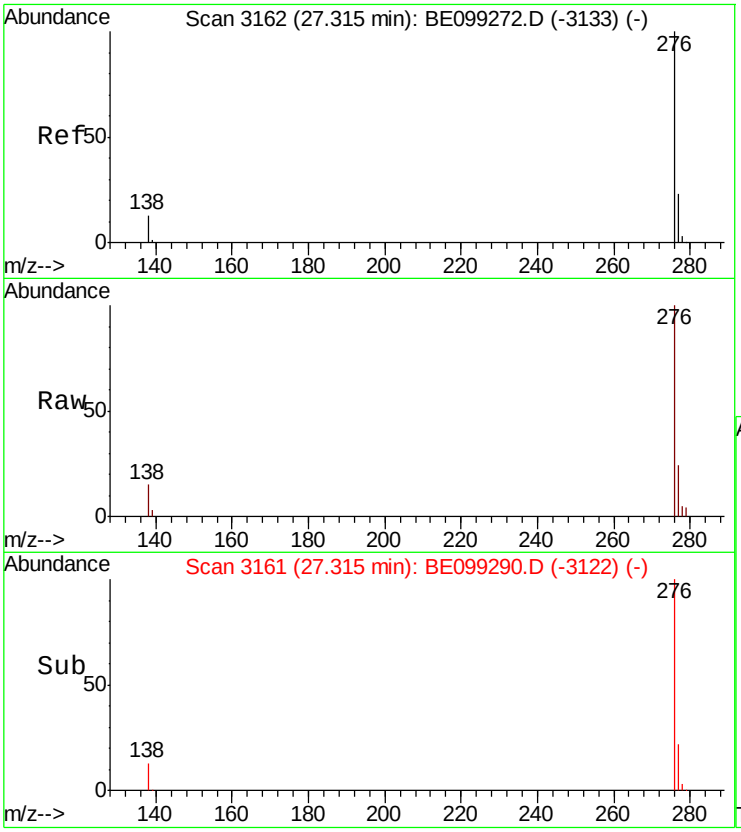


#38
Dibenzo(a,h)anthracene
Concen: 0.090 ng
RT: 26.53 min Scan# 2940
Delta R.T. -0.06 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:278 Resp: 8699

Ion	Ratio	Lower	Upper
278	100		
139	14.1	9.5	14.3
279	25.7	19.1	28.7

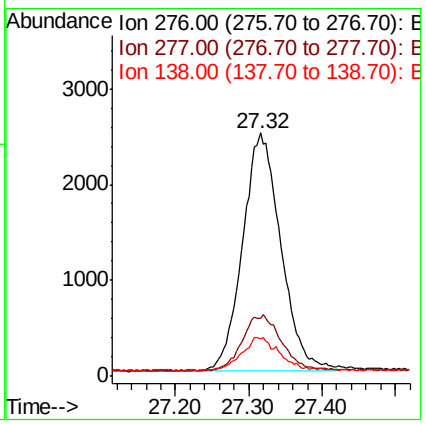




#39
Benzo(g,h,i)perylene
Concen: 0.093 ng
RT: 27.32 min Scan# 3161
Delta R.T. -0.06 min
Lab File: BE099290.D
Acq: 3 Apr 2019 14:20

Tgt Ion:276 Resp: 8903

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	15.3	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT1-2019

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