Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040219\
Data File : BE099282.D
Acq On : 2 Apr 2019 20:04
Operator : JU/SJ
Sample : K1560-07
Misc : LOD 0.1 PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Manual Integrations APPROVED
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4/4/2019 5:33:50 PM

Quant Time: Apr 03 05:31:09 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	3110	0.40	ng		-0.03
7) Naphthalene-d8	10.61	136	11251	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	7385	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	22325	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	32552	0.40	ng		-0.02
34) Perylene-d12	23.86	264	33930	0.40	ng		-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3254	0.39	ng		-0.03
5) Phenol-d6	6.97	99	4219	0.37	ng		-0.01
8) Nitrobenzene-d5	8.96	82	2909	0.38	ng		-0.03
11) 2-Methylnaphthalene-d10	12.21	152	6996	0.36	ng		-0.01
14) 2,4,6-Tribromophenol	15.94	330	1126	0.33	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	11829	0.41	ng		-0.01
25) Fluoranthene-d10	19.22	212	103462	0.35	ng		-0.02
29) Terphenyl-d14	19.82	244	25251	0.43	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	489	0.115	ng	#	89
3) n-Nitrosodimethylamine	3.66	42	223	0.089	ng	#	1
6) bis(2-Chloroethyl)ether	7.24	93	995	0.098	ng		92
9) Naphthalene	10.65	128	11780	0.096	ng	#	98
10) Hexachlorobutadiene	10.94	225	744	0.094	ng		92
12) 2-Methylnaphthalene	12.28	142	1919	0.092	ng		96
16) Acenaphthylene	14.18	152	3053	0.087	ng		99
17) Acenaphthene	14.53	154	1985	0.096	ng		97
18) Fluorene	15.49	166	2848	0.095	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	1118	0.088	ng	#	84
21) Hexachlorobenzene	16.49	284	1194	0.099	ng		97
22) Pentachlorophenol	16.84	266	330	0.066	ng		96
23) Phenanthrene	17.23	178	5852	0.101	ng		99
24) Anthracene	17.32	178	4678	0.086	ng		99
26) Fluoranthene	19.25	202	8059	0.095	ng		99
28) Pyrene	19.61	202	8111	0.094	ng		99
30) Benzo(a)anthracene	21.34	228	9396	0.092	ng		98
31) Chrysene	21.40	228	9568	0.095	ng		97
32) Bis(2-ethylhexyl)phthalate	21.27	149	13196	0.101	ng		99
33) Indeno(1,2,3-cd)pyrene	26.49	276	10887	0.095	ng		97
35) Benzo(b)fluoranthene	23.09	252	9688m	0.096	ng		
36) Benzo(k)fluoranthene	23.14	252	9326	0.095	ng		96
37) Benzo(a)pyrene	23.75	252	8676	0.091	ng	#	90
38) Dibenzo(a,h)anthracene	26.53	278	8817	0.093	ng	#	96
39) Benzo(g,h,i)perylene	27.31	276	9129	0.097	ng		98

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

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QLast Update : Tue Apr 02 17:16:42 2019
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Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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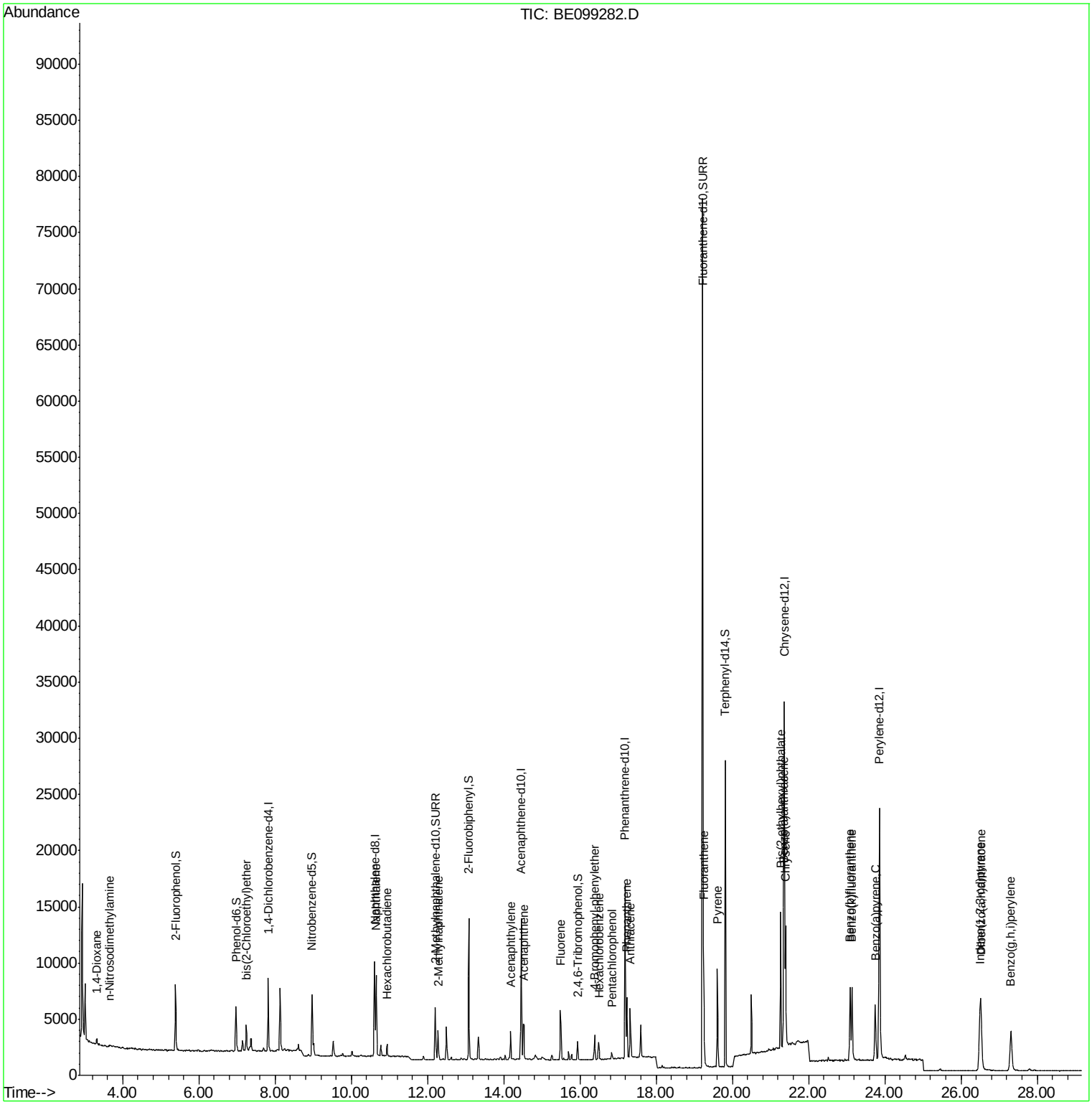
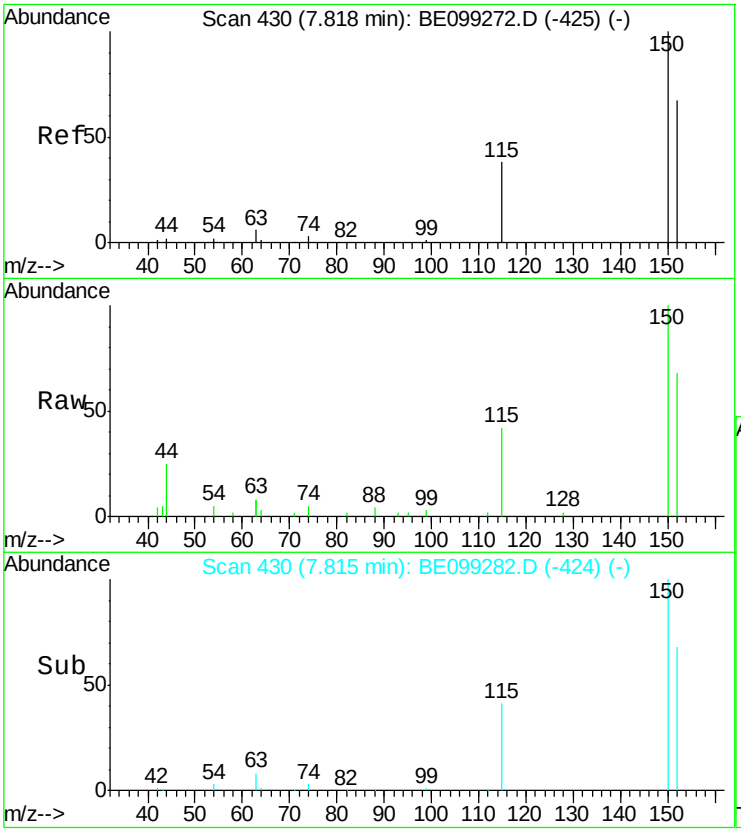
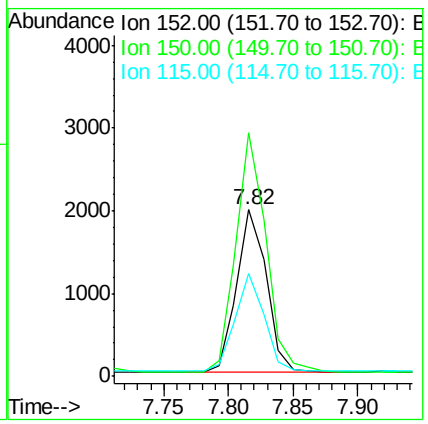




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:152 Resp: 3110

Ion	Ratio	Lower	Upper
152	100		
150	146.1	112.8	169.2
115	61.9	45.1	67.7



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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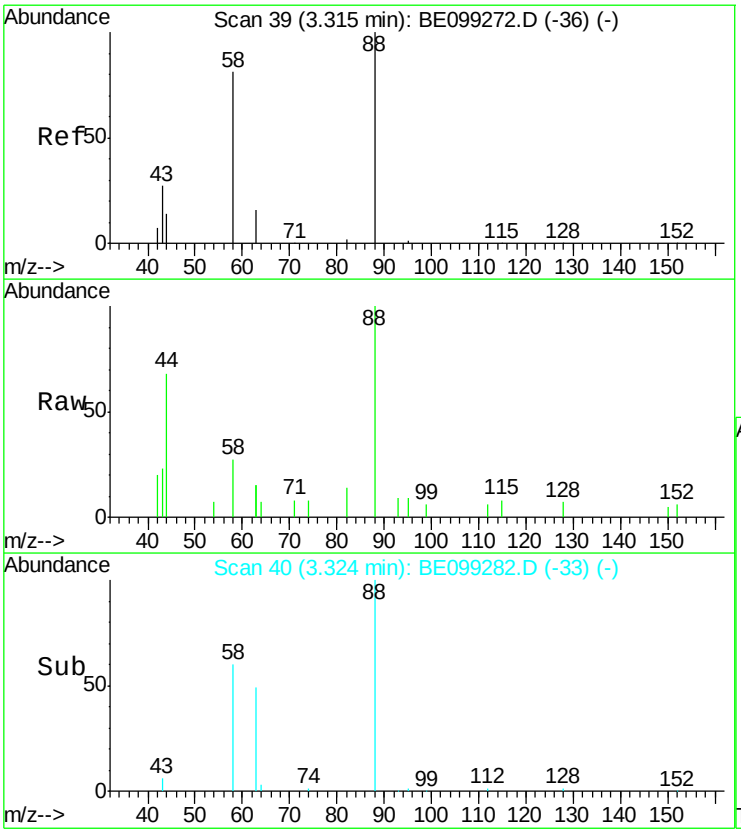
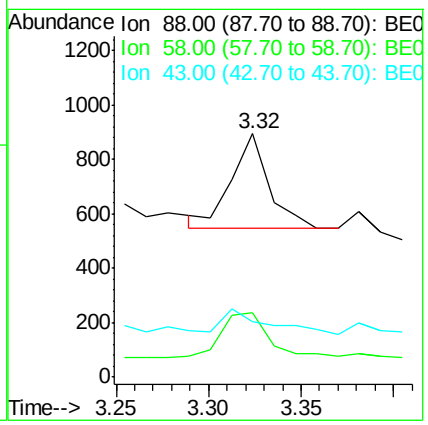
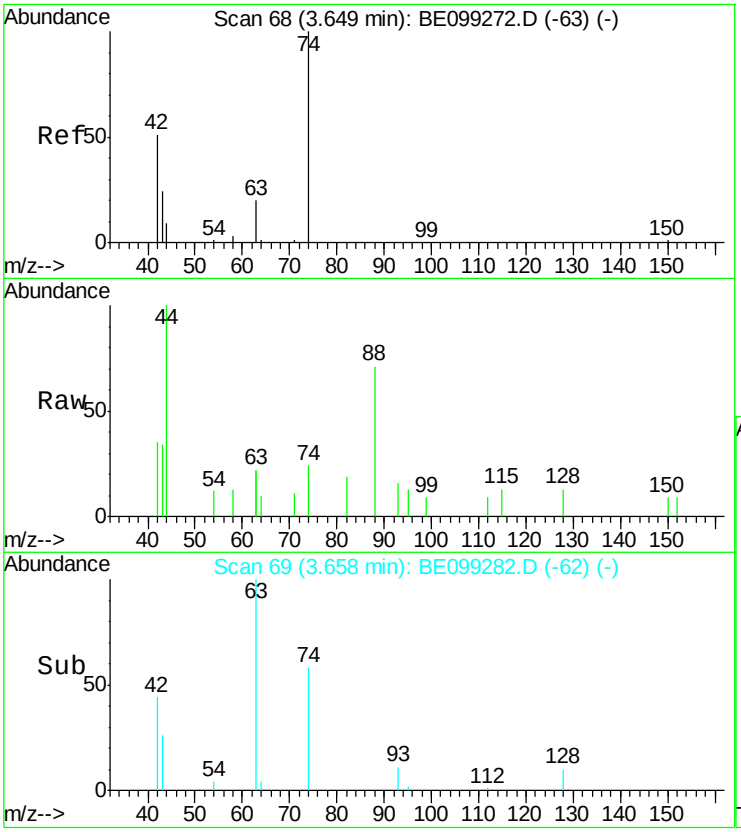


#2
1,4-Dioxane
Concen: 0.115 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion: 88 Resp: 489

Ion	Ratio	Lower	Upper
88	100		
58	62.2	47.4	71.0
43	33.3	15.6	23.4#

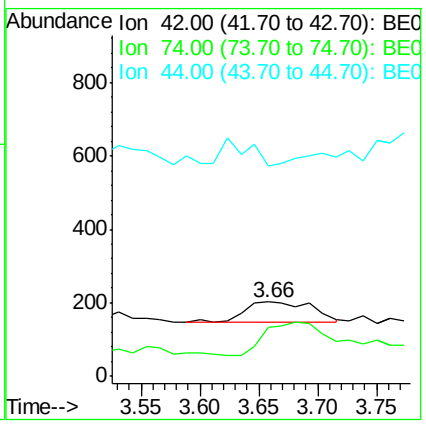




#3
n-Nitrosodimethylamine
Concen: 0.089 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion: 42 Resp: 223

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



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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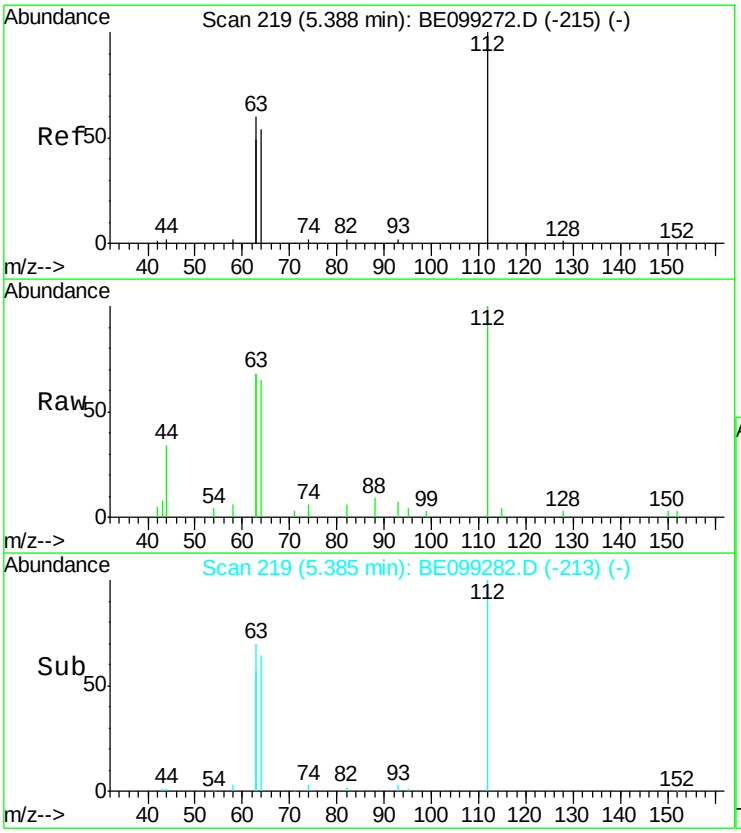
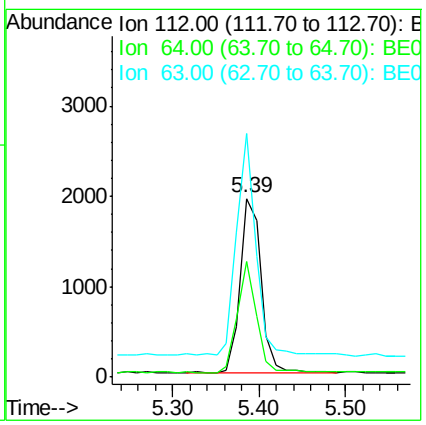
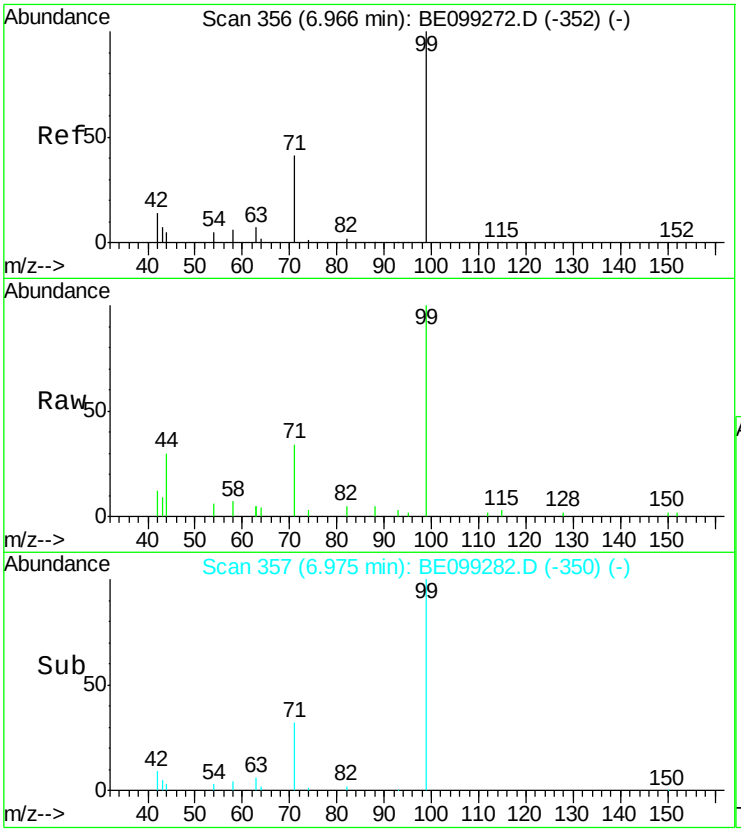


#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:112 Resp: 3254

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.2	69.2
63	118.4	89.9	134.9

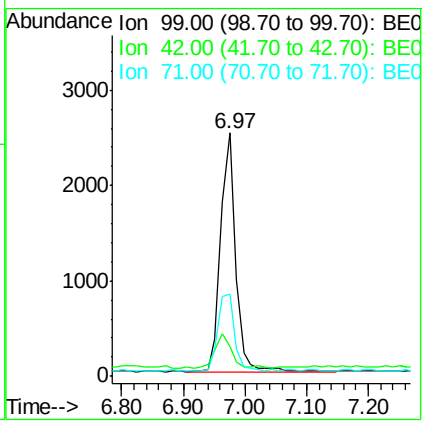




#5
Phenol-d6
Concen: 0.371 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion: 99 Resp: 4219

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.4	18.6
71	34.5	28.4	42.6



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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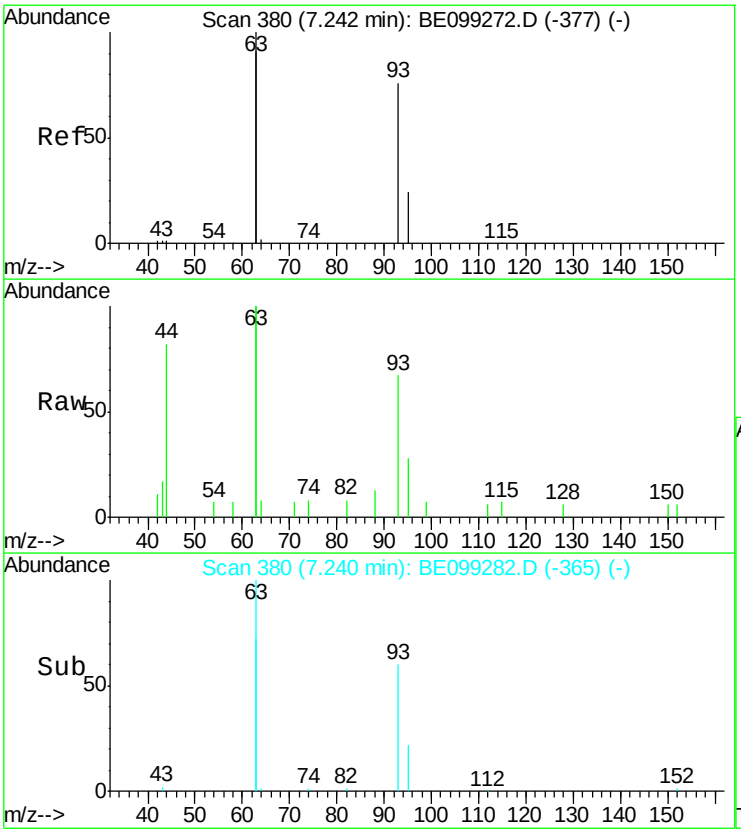
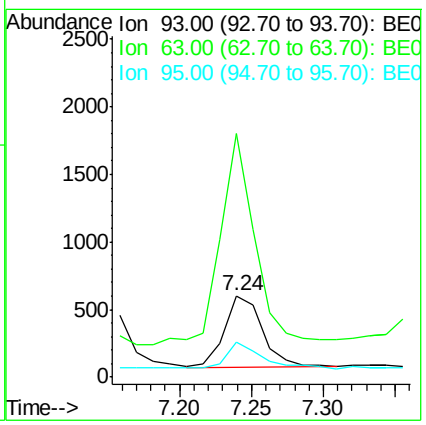
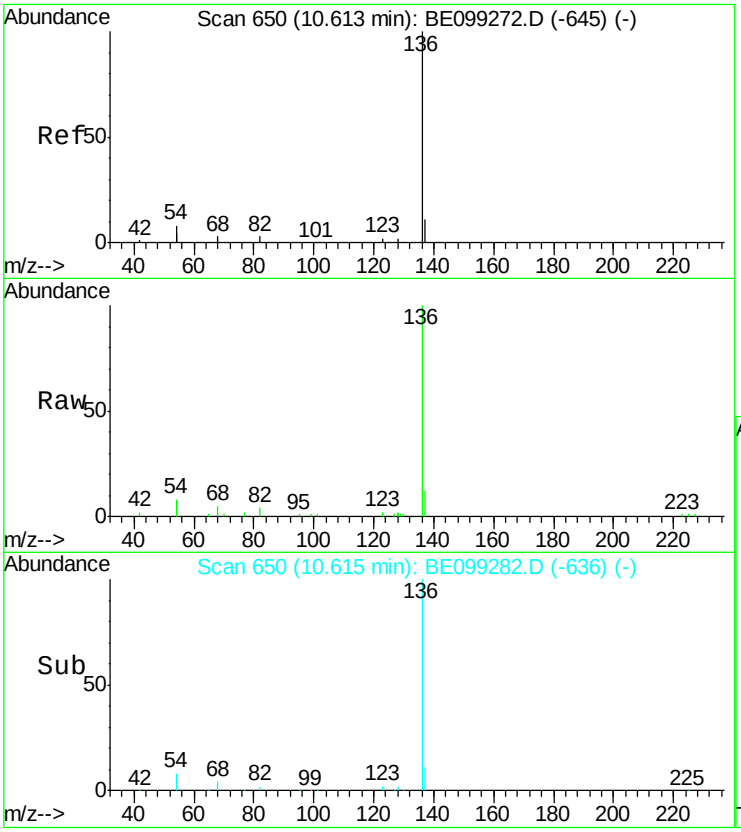


#6
bis(2-Chloroethyl)ether
Concen: 0.098 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion: 93 Resp: 995

Ion	Ratio	Lower	Upper
93	100		
63	260.4	221.4	332.0
95	35.3	25.8	38.8

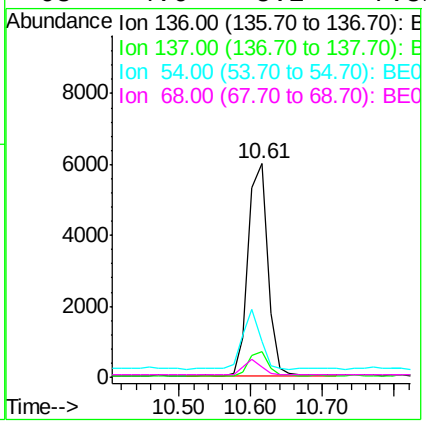




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:136 Resp: 11251

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	16.6	18.7	28.1#
68	4.6	5.2	7.8#



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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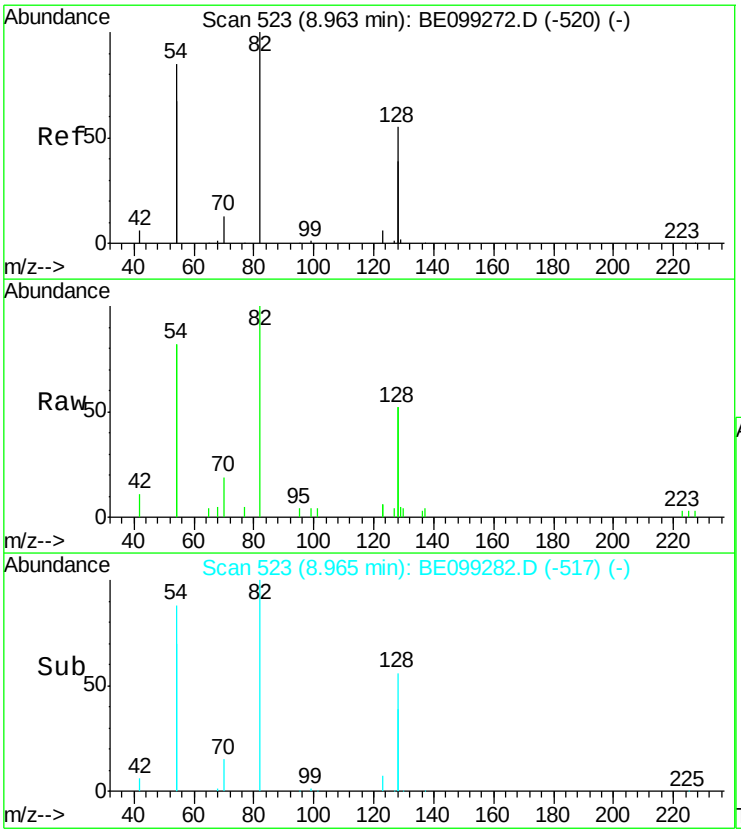
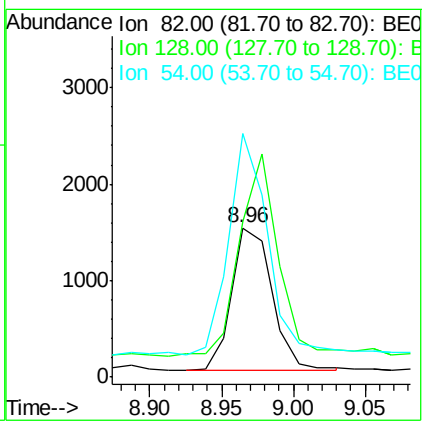
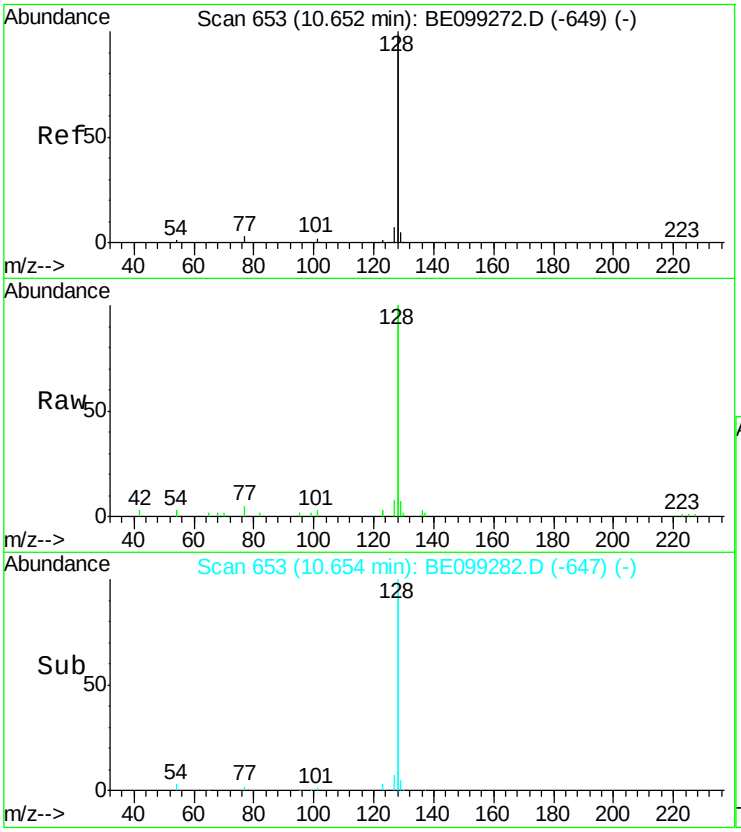


#8
Nitrobenzene-d5
Concen: 0.377 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion: 82 Resp: 2909

Ion	Ratio	Lower	Upper
82	100		
128	103.8	107.5	161.3#
54	163.2	106.3	159.5#





#9
Naphthalene
Concen: 0.096 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:128 Resp: 11780

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.3	3.5
127	4.1	2.6	3.8#

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Manual Integrations APPROVED
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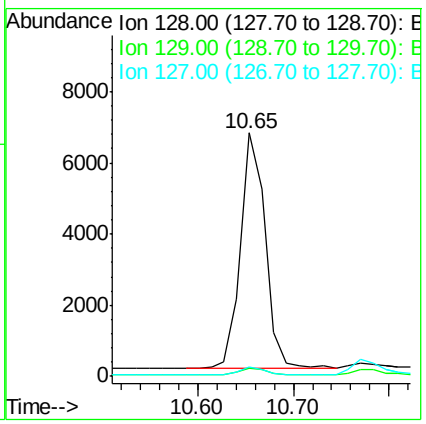
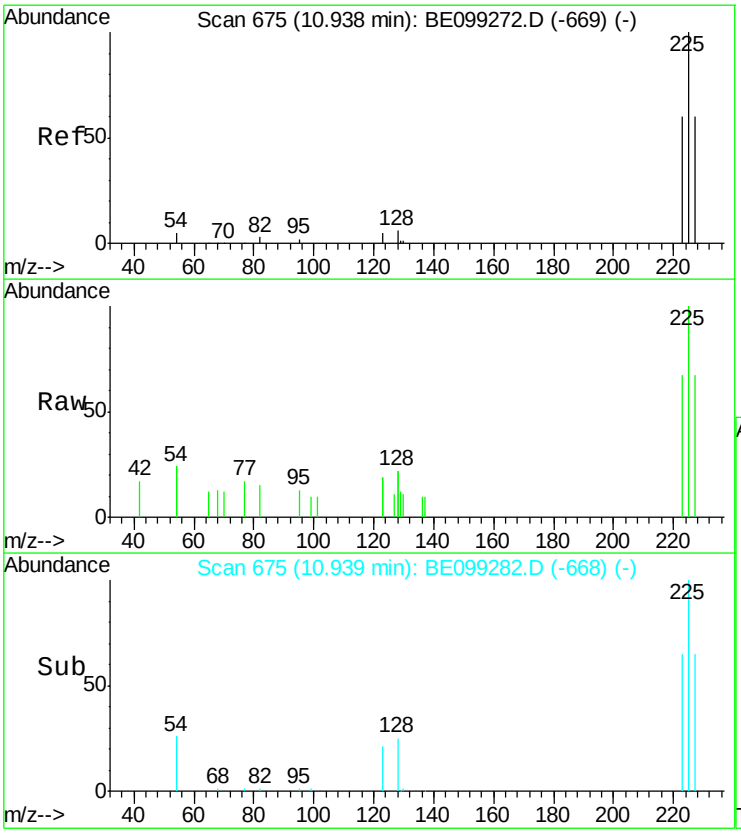
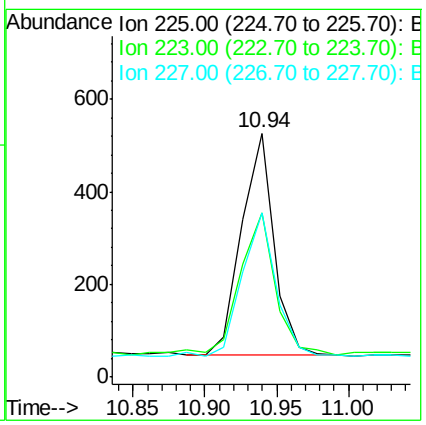


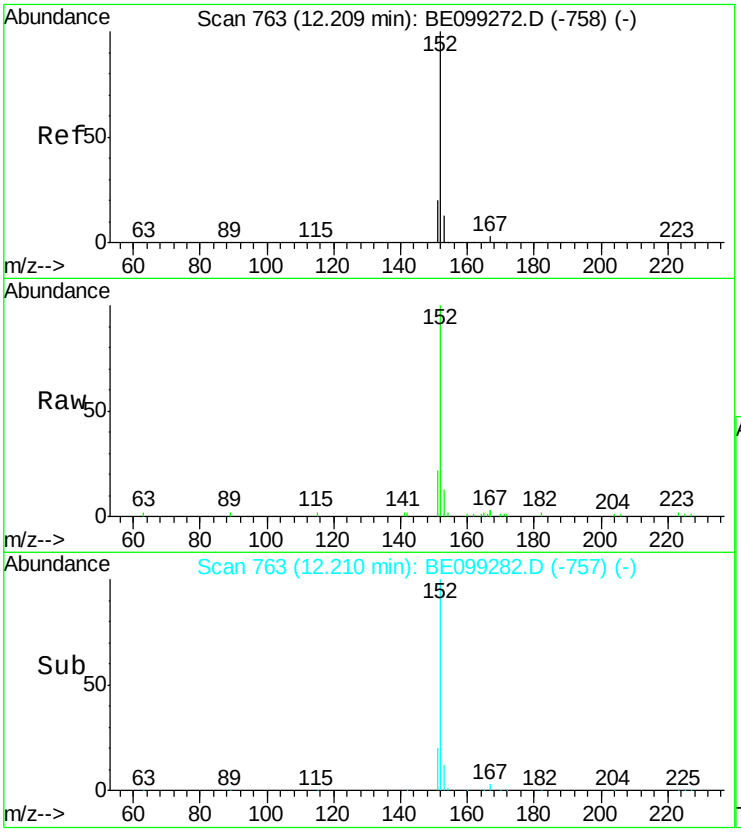


#10
Hexachlorobutadiene
Concen: 0.094 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:225 Resp: 744

Ion	Ratio	Lower	Upper
225	100		
223	70.2	51.3	76.9
227	67.7	48.6	73.0

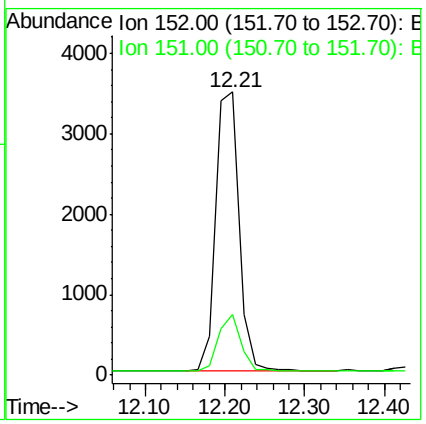




#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:152 Resp: 6996

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.0	22.6



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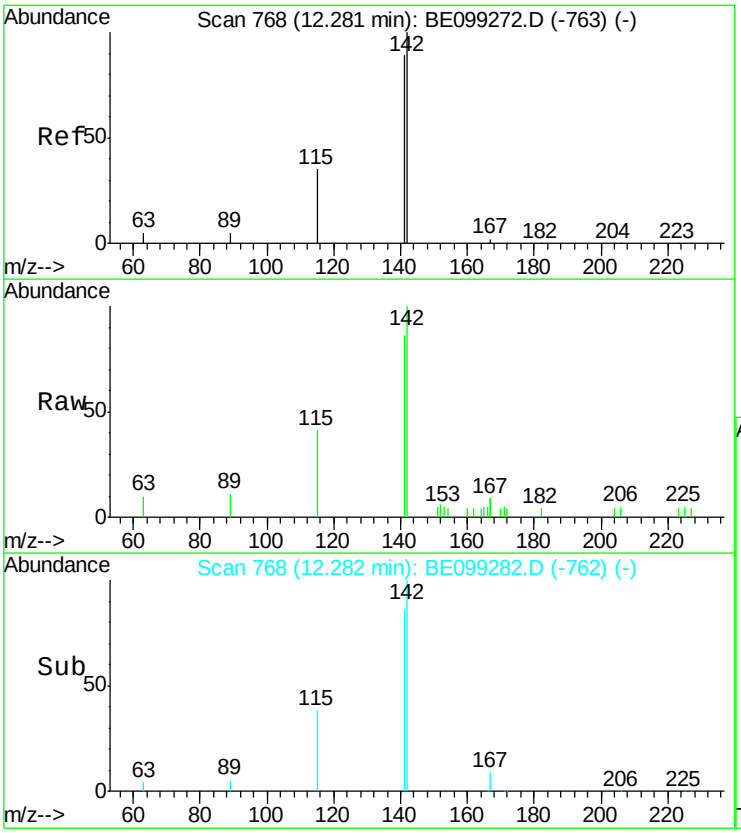
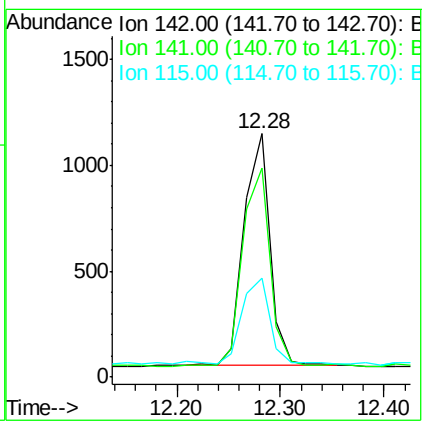
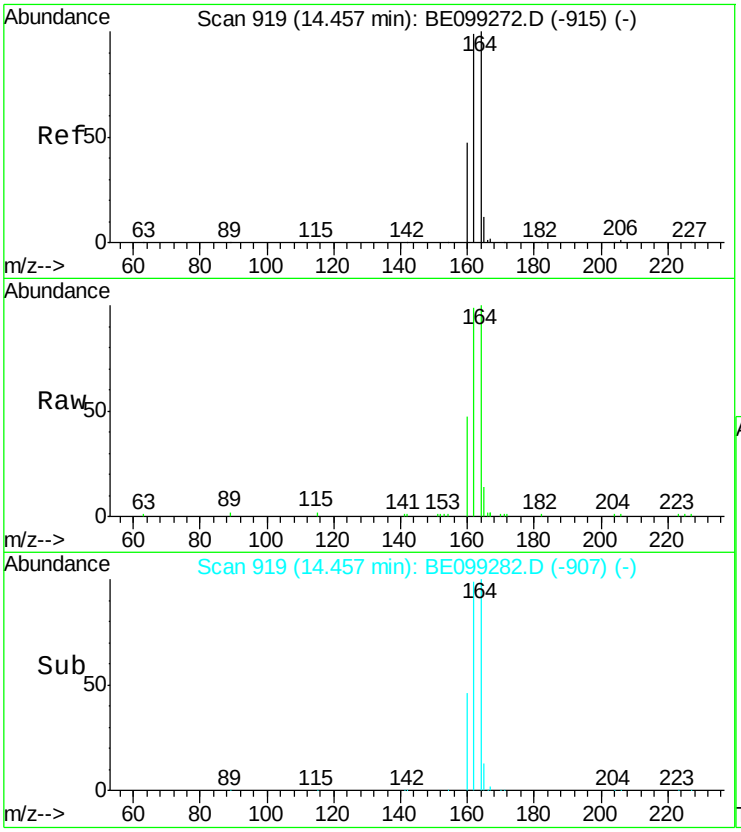


#12
2-Methylnaphthalene
Concen: 0.092 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:142 Resp: 1919

Ion	Ratio	Lower	Upper
142	100		
141	86.1	71.3	106.9
115	40.9	30.4	45.6

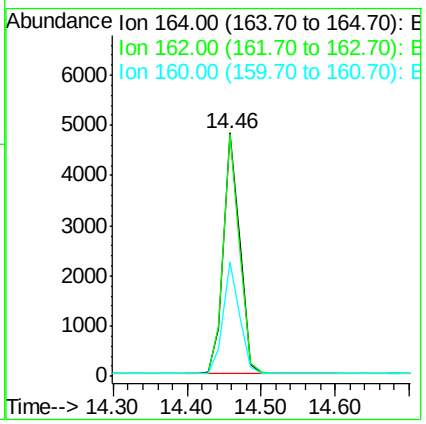




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:164 Resp: 7385

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.2	118.8
160	46.8	36.7	55.1



Instrument :
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LOD-MDL-WATER-01-QT1-2019

Manual Integrations APPROVED
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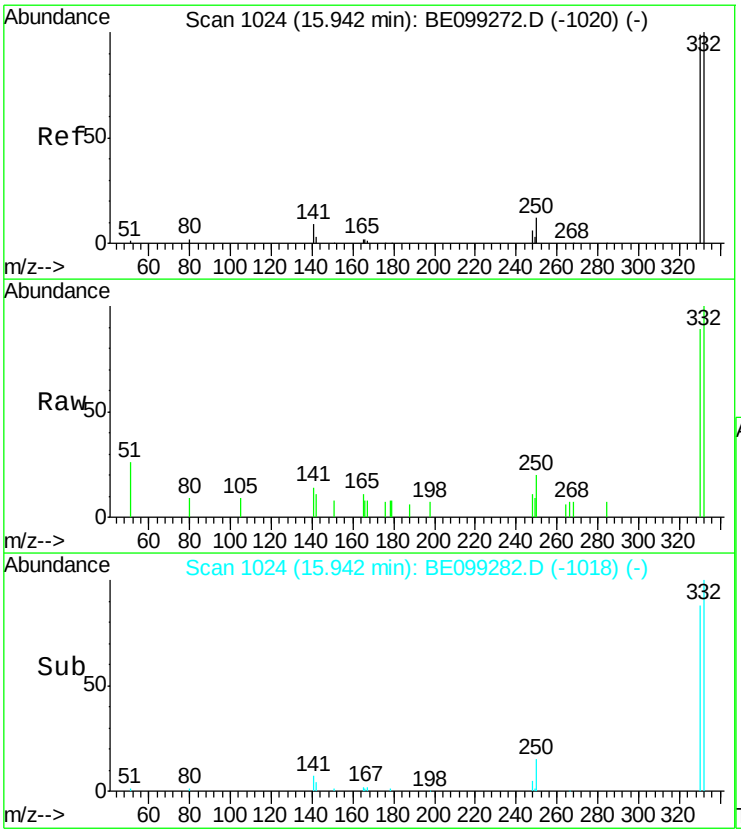
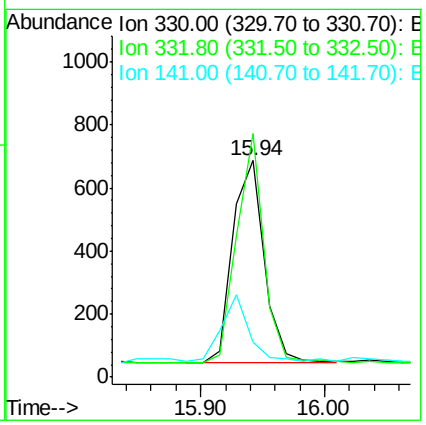
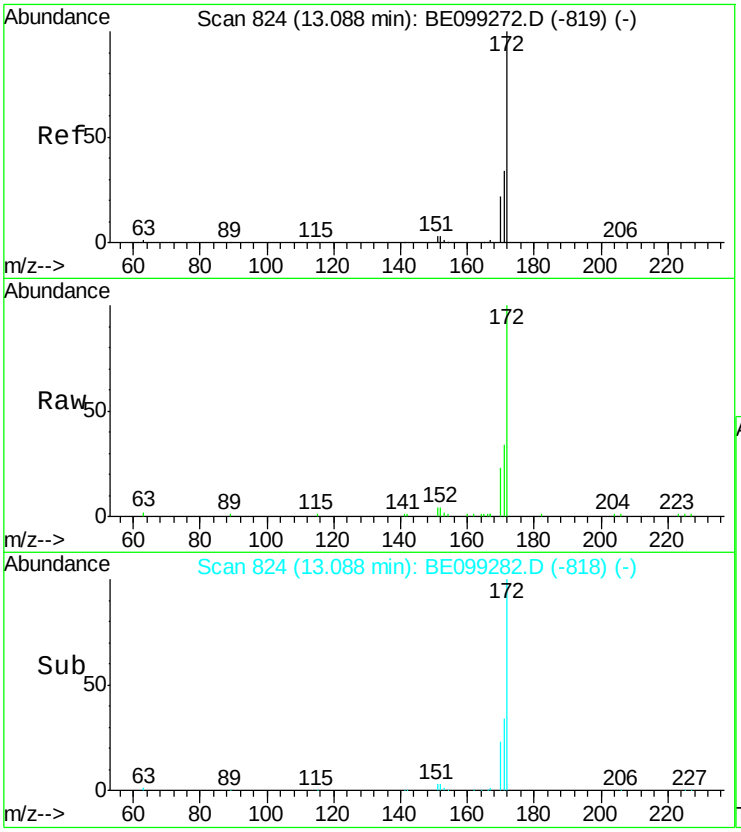


#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:330 Resp: 1126

Ion	Ratio	Lower	Upper
330	100		
332	97.7	71.3	106.9
141	28.1	21.7	32.5

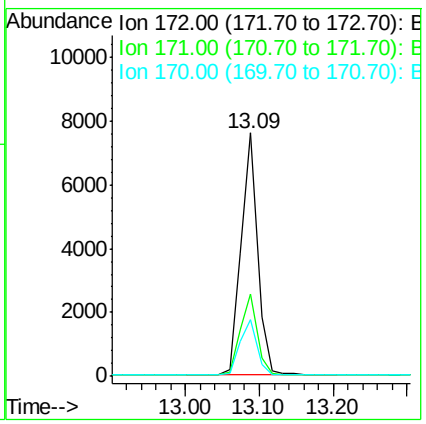




#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:172 Resp: 11829

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.0
170	23.2	19.1	28.7



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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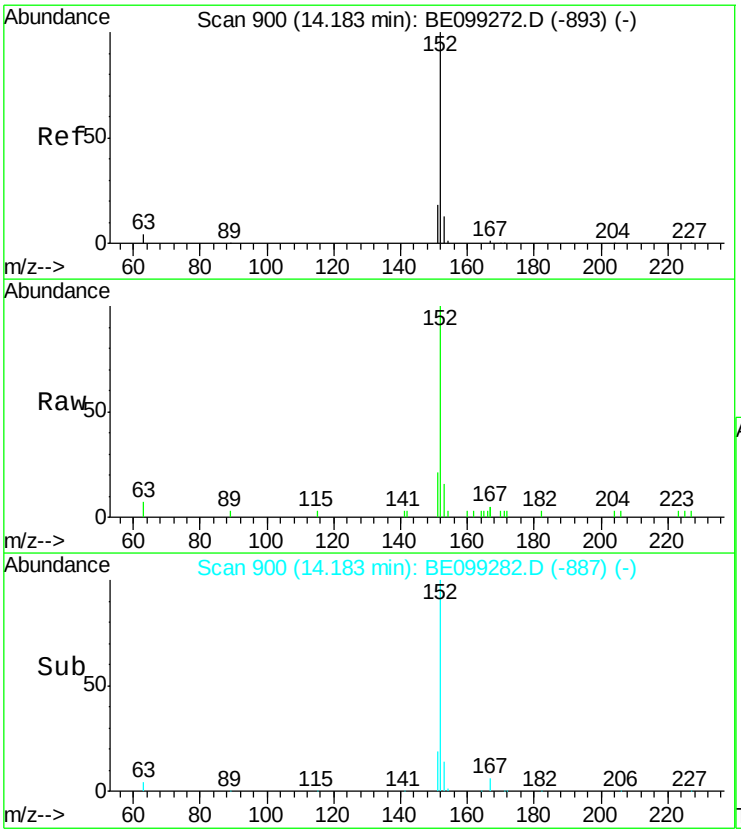
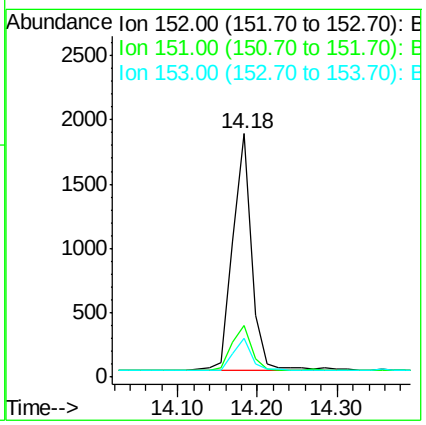
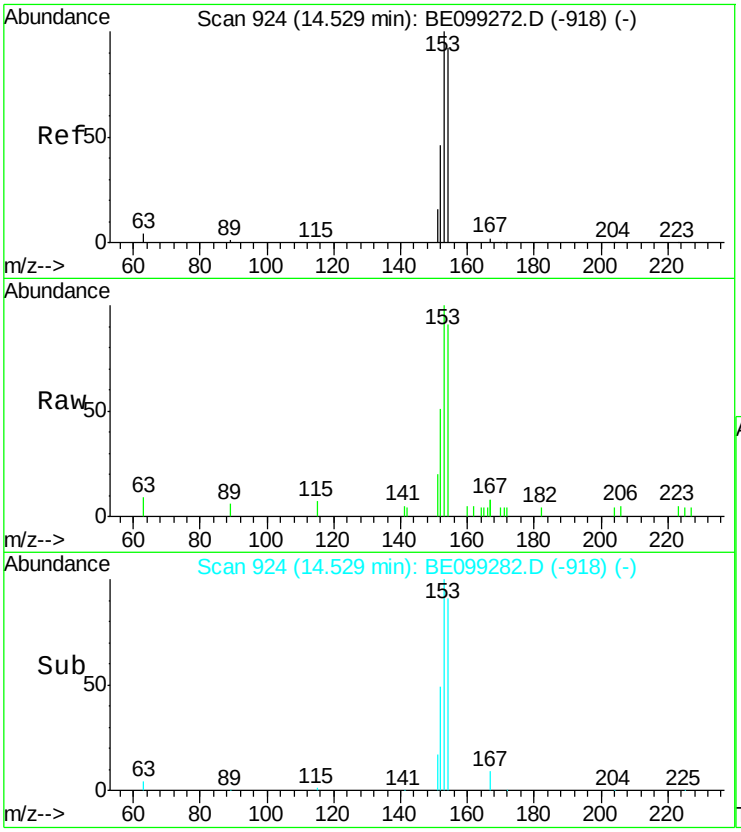


#16
Acenaphthylene
Concen: 0.087 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:152 Resp: 3053

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.7	10.6	15.8

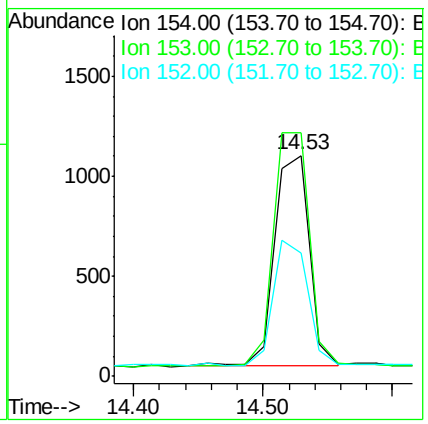




#17
Acenaphthene
Concen: 0.096 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:154 Resp: 1985

Ion	Ratio	Lower	Upper
154	100		
153	113.3	93.4	140.0
152	59.6	46.6	69.8



Instrument :
BNA_E
ClientSampleId :
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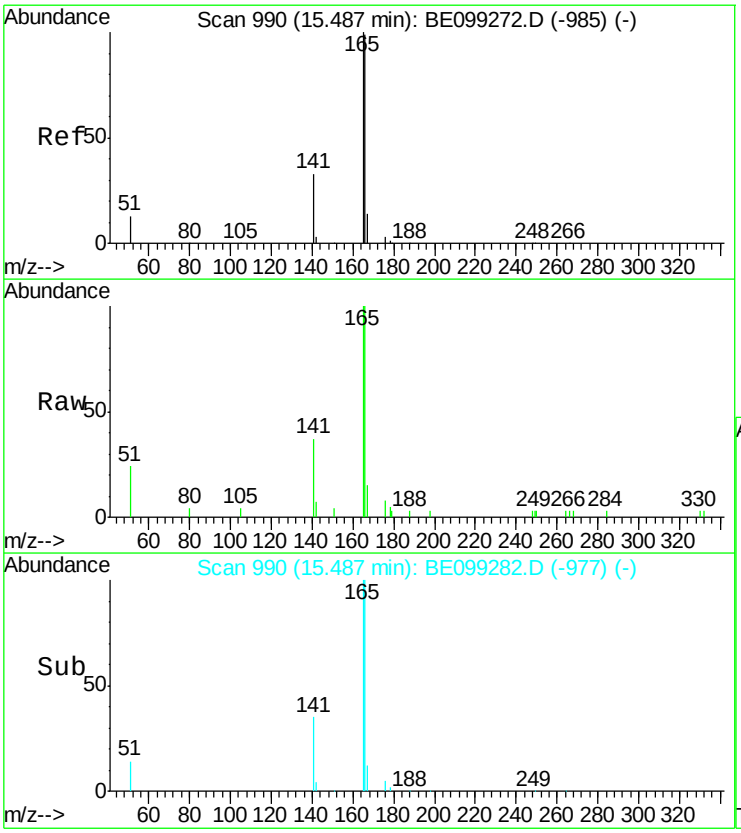
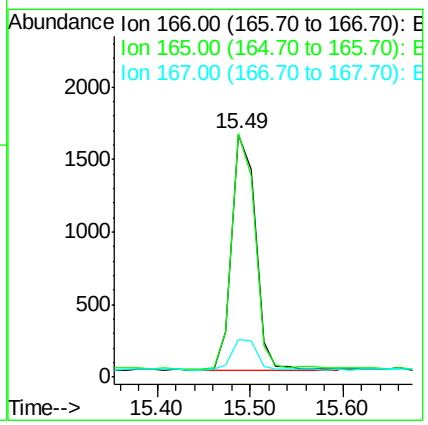
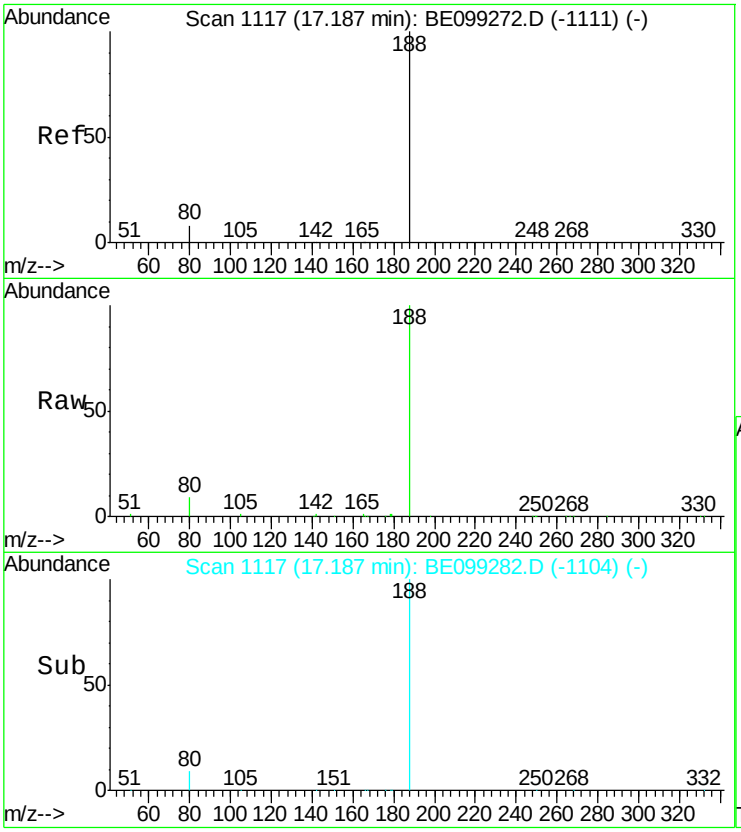


#18
Fluorene
Concen: 0.095 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:166 Resp: 2848

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.9	118.3
167	14.2	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: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:188 Resp: 22325

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	4.5	6.7#

Instrument :
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ClientSampleId :
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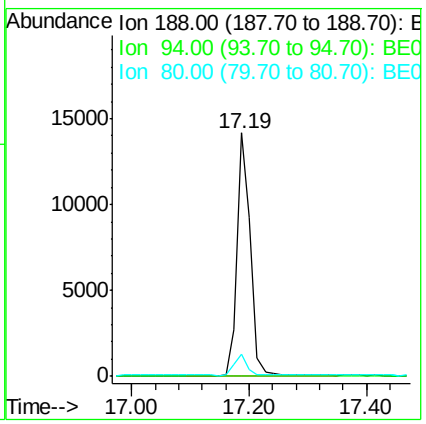
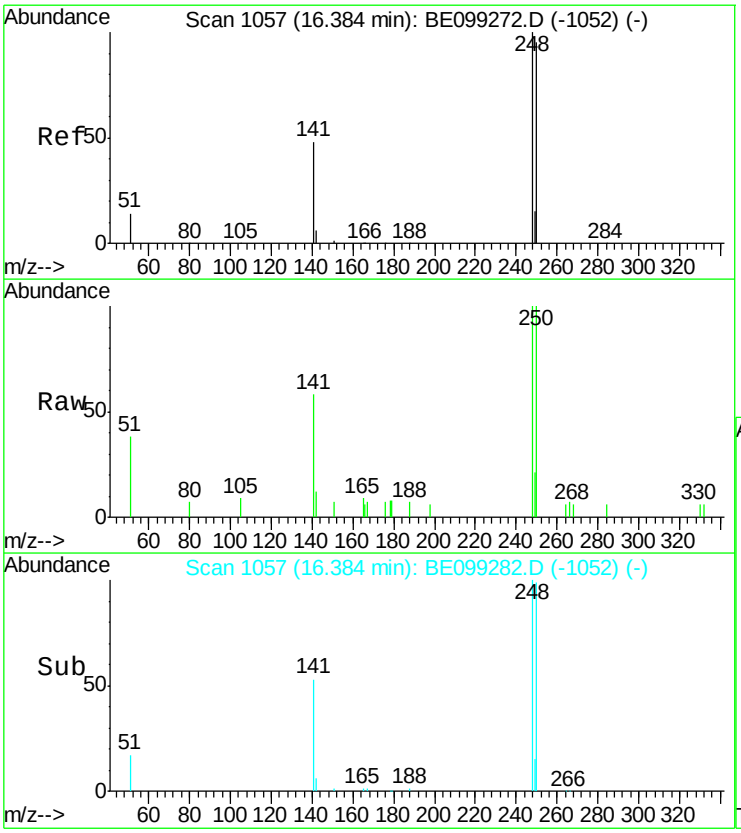
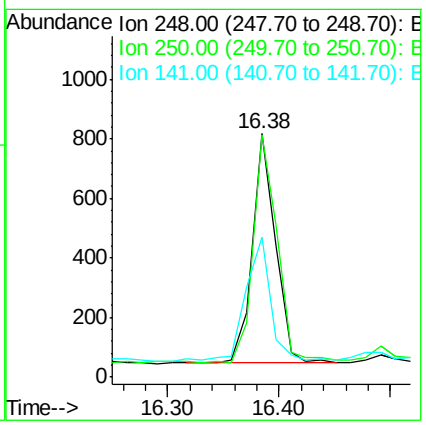


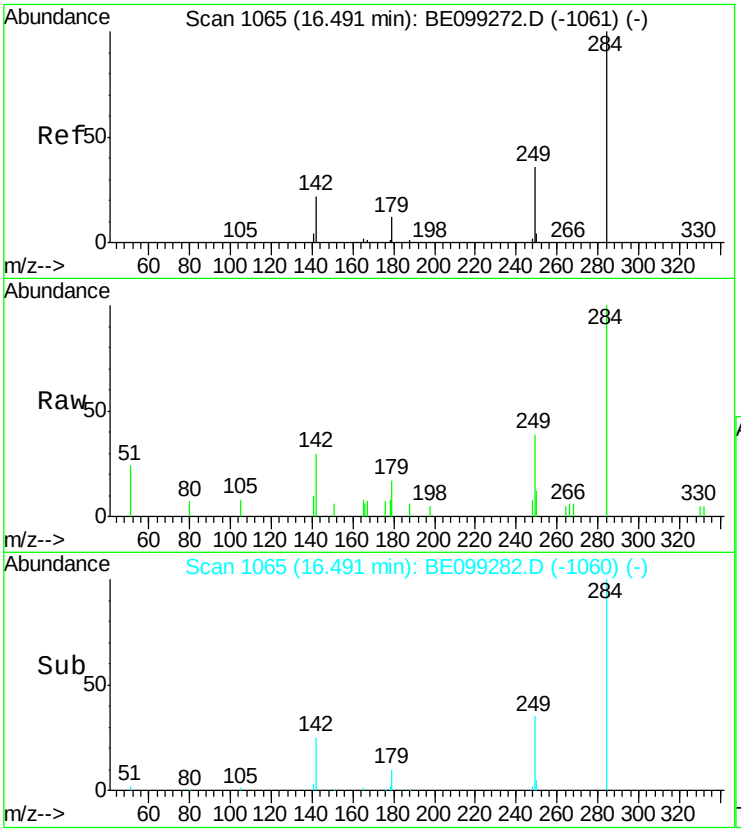


#20
4-Bromophenyl-phenylether
Concen: 0.088 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:248 Resp: 1118

Ion	Ratio	Lower	Upper
248	100		
250	99.5	84.2	126.2
141	57.6	21.8	32.6#

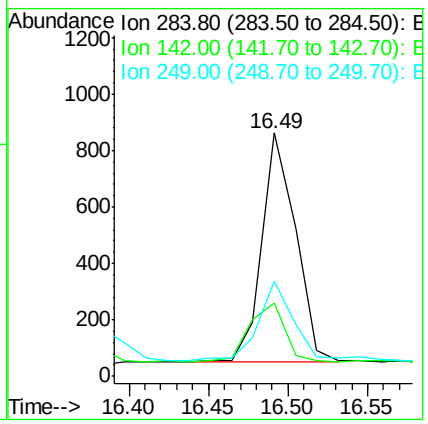




#21
Hexachlorobenzene
Concen: 0.099 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:284 Resp: 1194

Ion	Ratio	Lower	Upper
284	100		
142	26.8	22.7	34.1
249	35.6	26.9	40.3



Instrument :
BNA_E
ClientSampleId :
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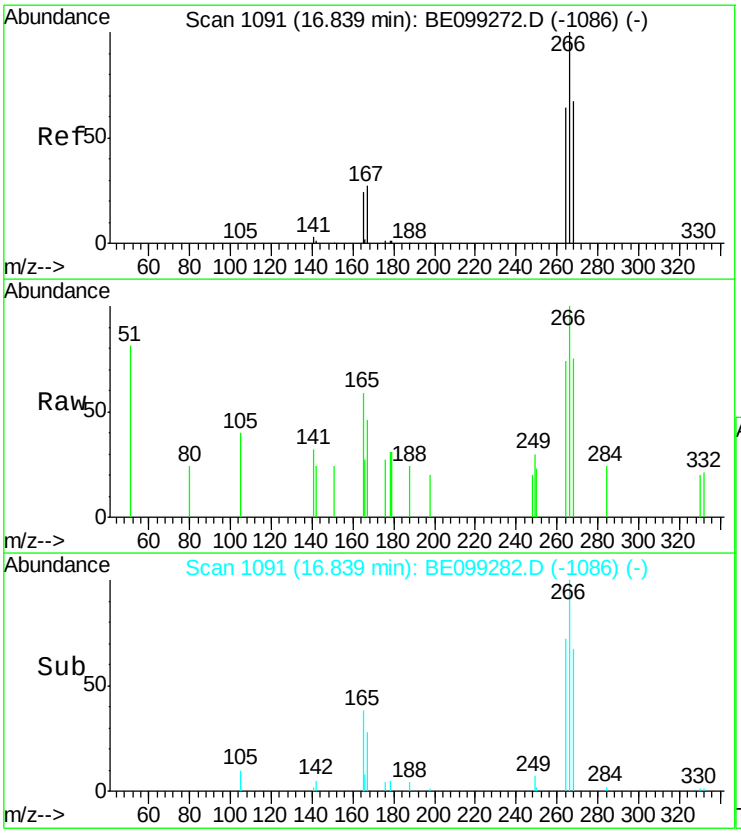
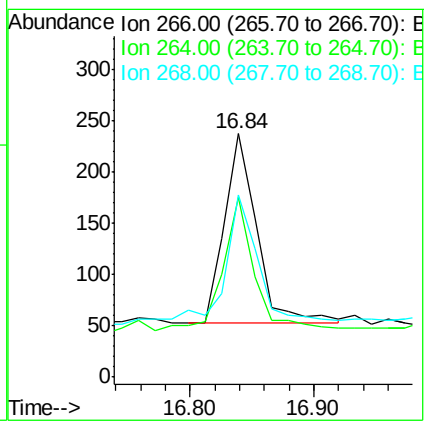
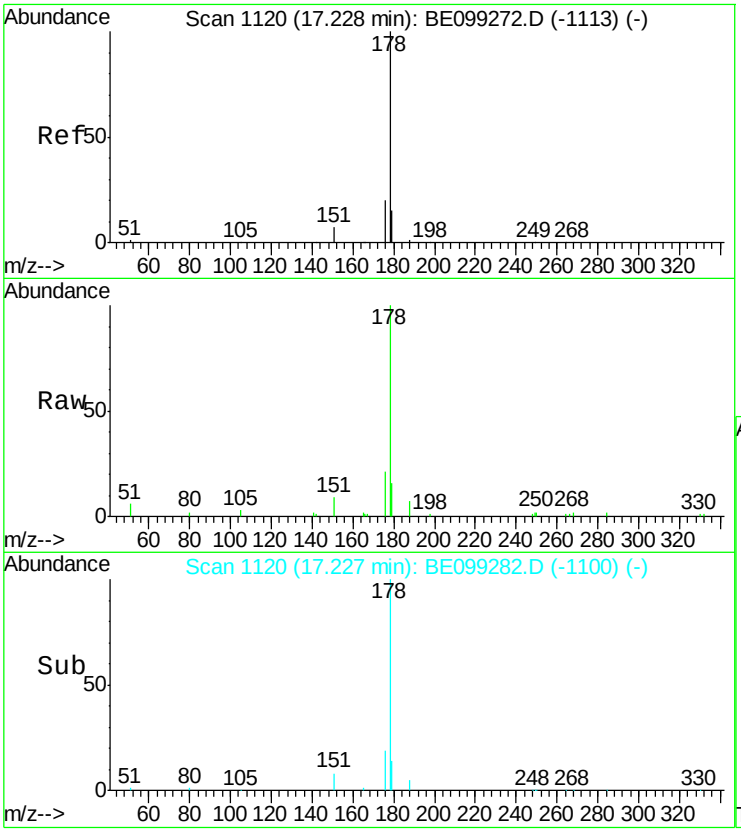


#22
Pentachlorophenol
Concen: 0.066 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:266 Resp: 330

Ion	Ratio	Lower	Upper
266	100		
264	73.8	54.4	81.6
268	75.1	61.3	91.9

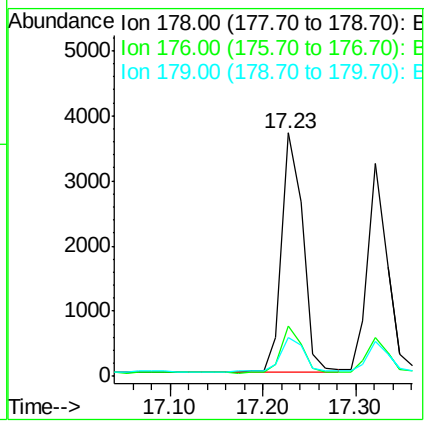




#23
Phenanthrene
Concen: 0.101 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:178 Resp: 5852

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



Instrument :
BNA_E
ClientSampleId :
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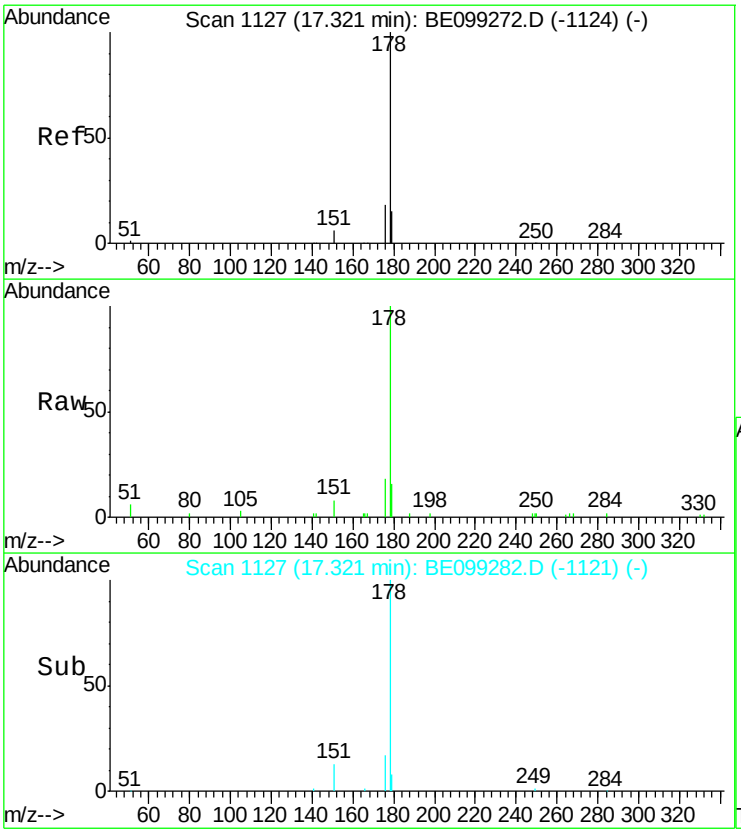
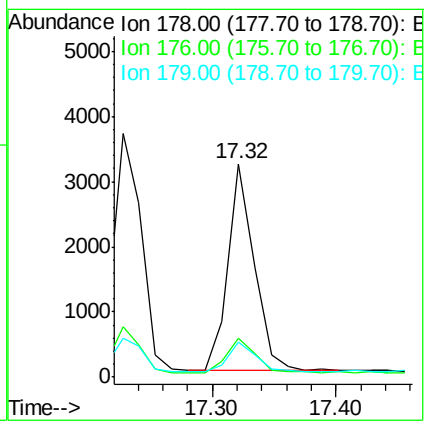
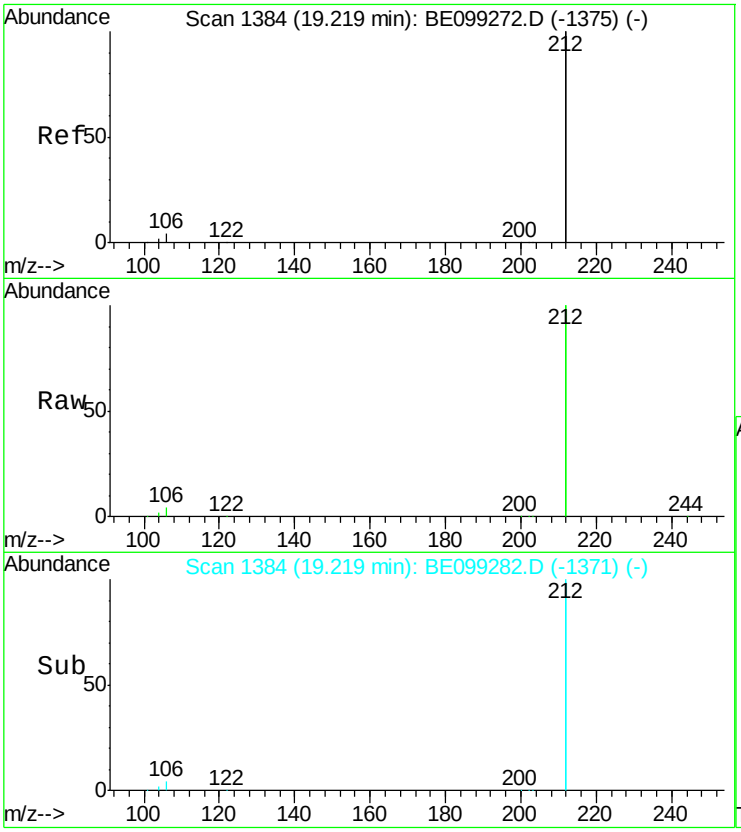


#24
Anthracene
Concen: 0.086 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:178 Resp: 4678

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	15.5	12.4	18.6

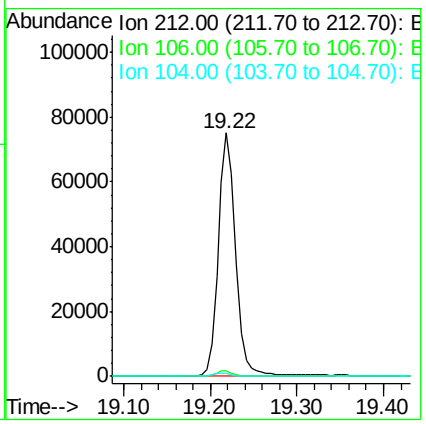




#25
Fluoranthene-d10
Concen: 0.351 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:212 Resp: 103462

Ion	Ratio	Lower	Upper
212	100		
106	2.2	1.8	2.8
104	1.3	1.1	1.7



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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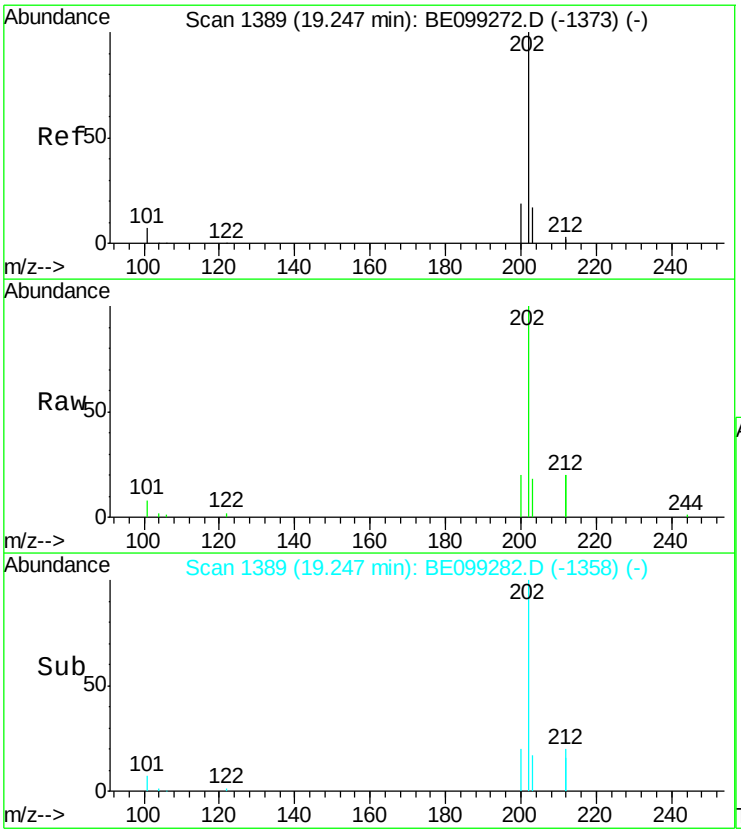
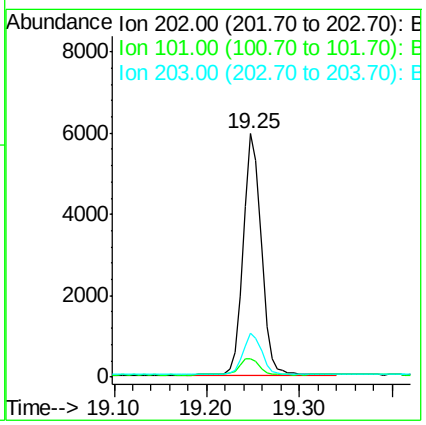
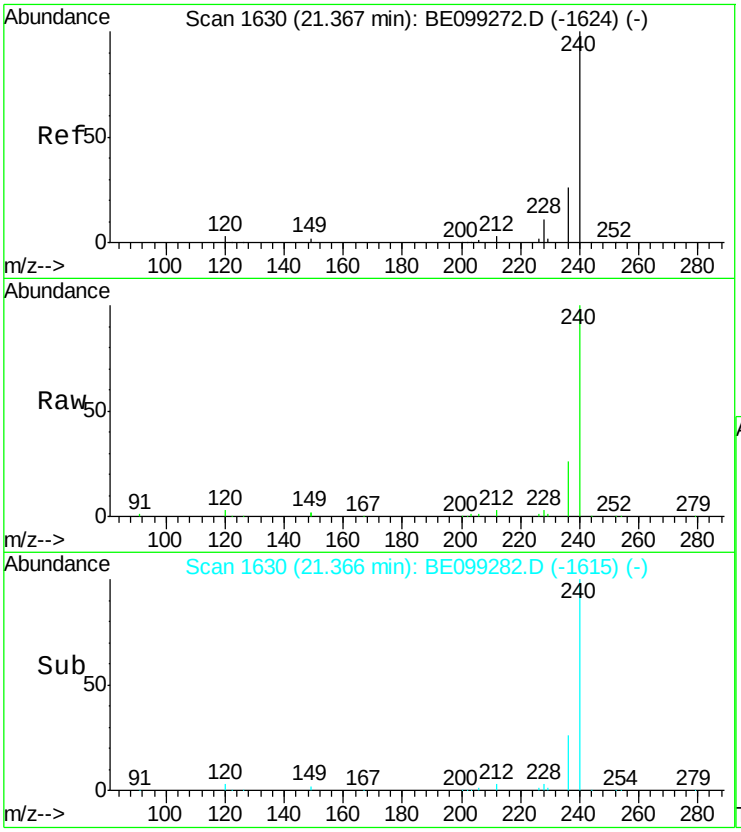


#26
Fluoranthene
Concen: 0.095 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:202 Resp: 8059

Ion	Ratio	Lower	Upper
202	100		
101	7.9	7.0	10.4
203	17.2	13.8	20.6

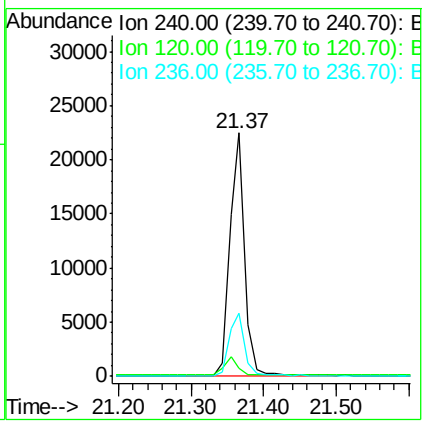




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.02 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:240 Resp: 32552

Ion	Ratio	Lower	Upper
240	100		
120	3.1	2.6	3.8
236	25.8	20.9	31.3



Instrument :
BNA_E
ClientSampleId :
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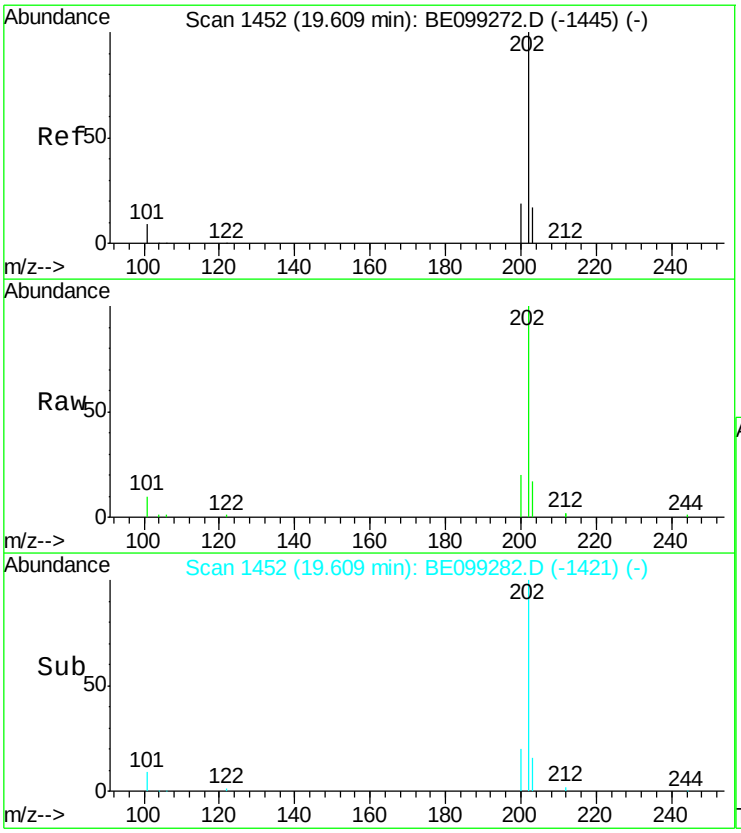
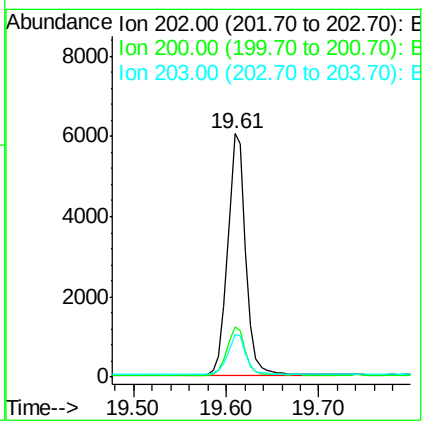
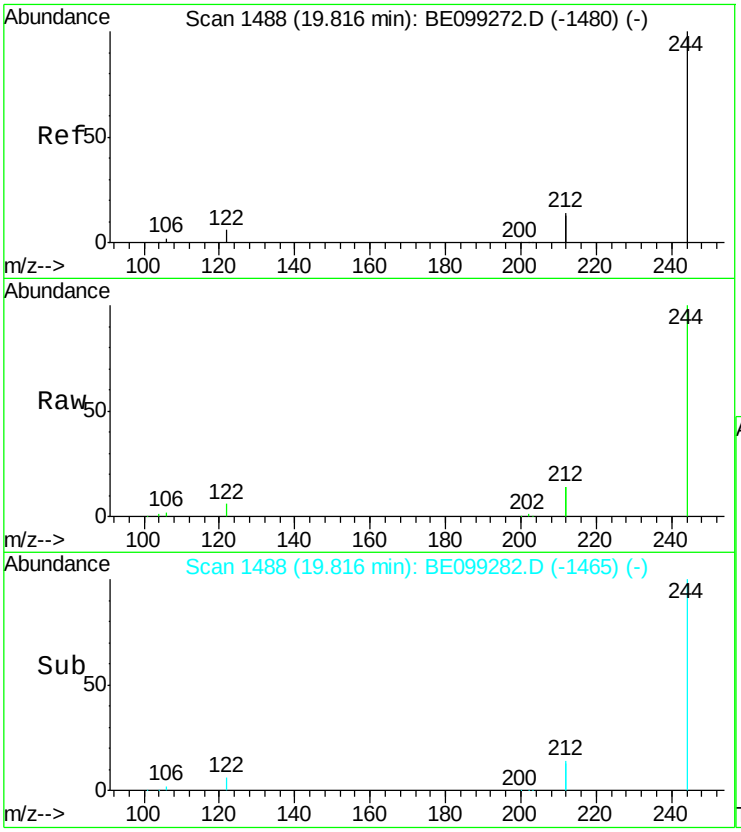


#28
Pyrene
Concen: 0.094 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:202 Resp: 8111

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.8	23.8
203	17.1	14.1	21.1

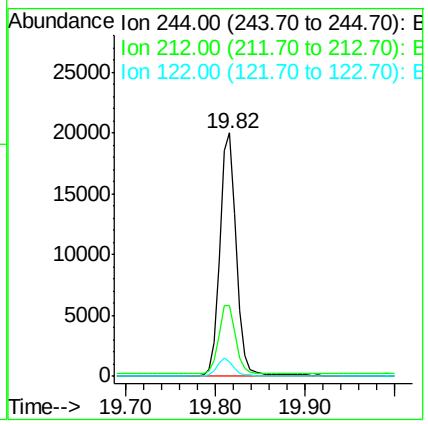




#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:244 Resp: 25251

Ion	Ratio	Lower	Upper
244	100		
212	28.9	22.7	34.1
122	6.0	5.8	8.6



Instrument :
BNA_E
ClientSampleId :
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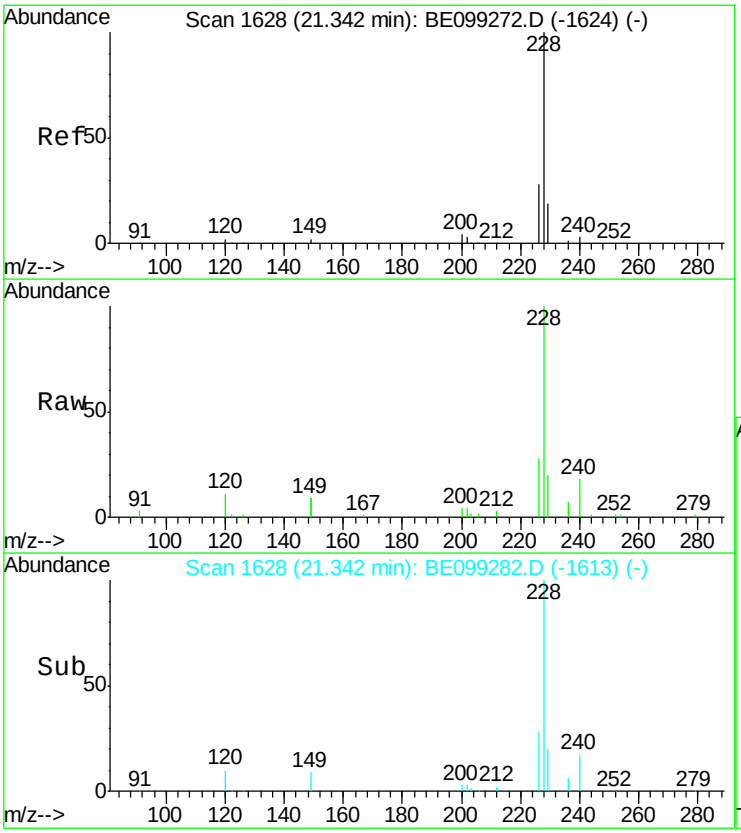
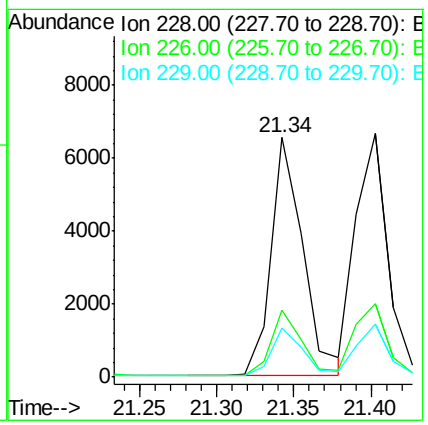
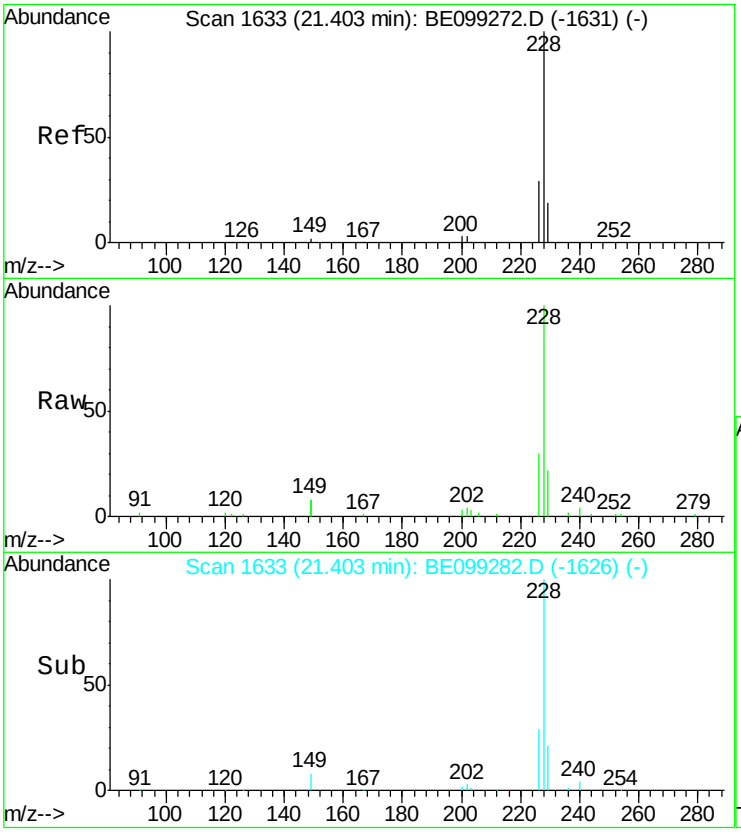


#30
Benzo(a)anthracene
Concen: 0.092 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.02 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:228 Resp: 9396

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.7	32.5
229	20.4	15.9	23.9

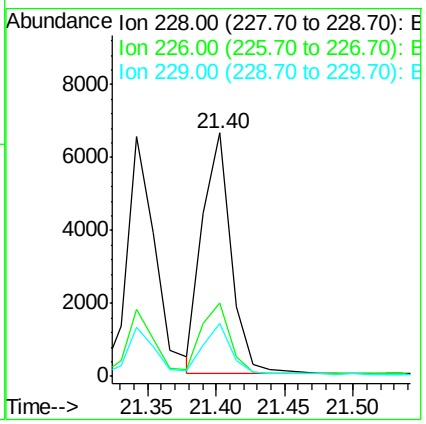




#31
Chrysene
Concen: 0.095 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:228 Resp: 9568

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.8	37.2
229	21.8	15.4	23.0



Instrument :
BNA_E
ClientSampleId :
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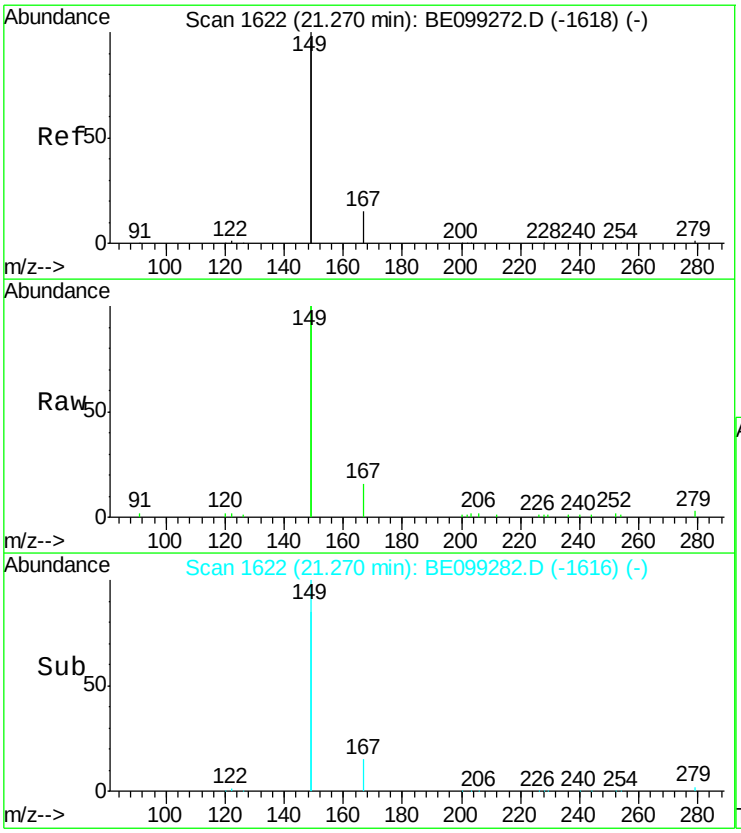
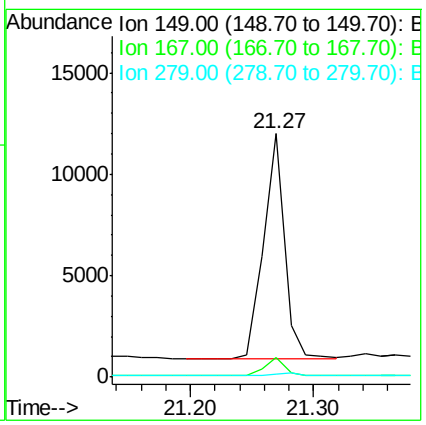
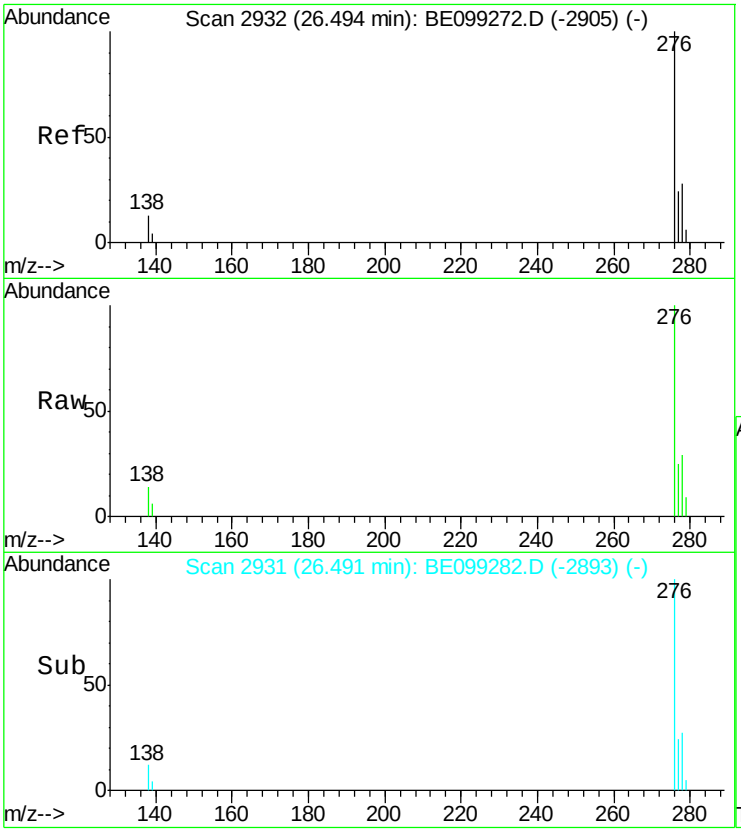


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.101 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.02 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:149 Resp: 13196

Ion	Ratio	Lower	Upper
149	100		
167	7.9	5.9	8.9
279	1.3	1.0	1.6

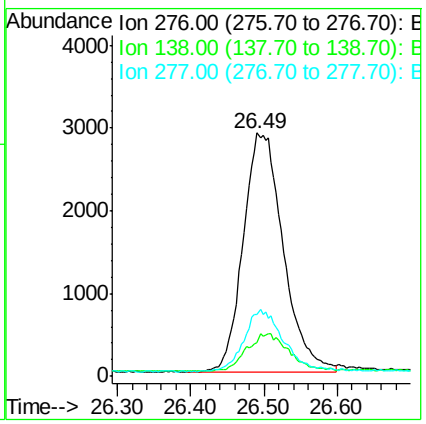




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.095 ng
RT: 26.49 min Scan# 2931
Delta R.T. -0.07 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:276 Resp: 10887

Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	25.1	18.3	27.5



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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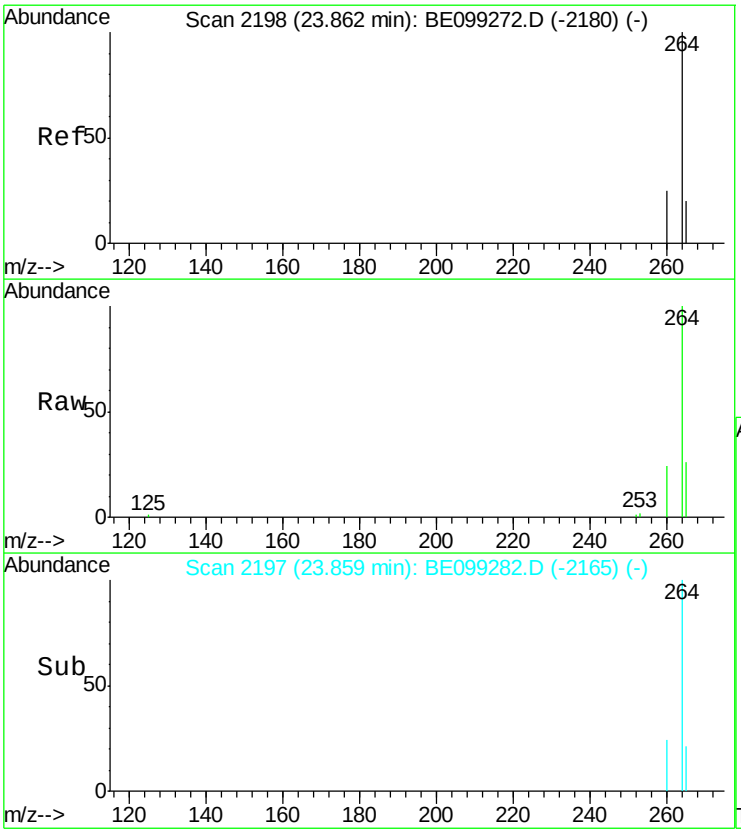
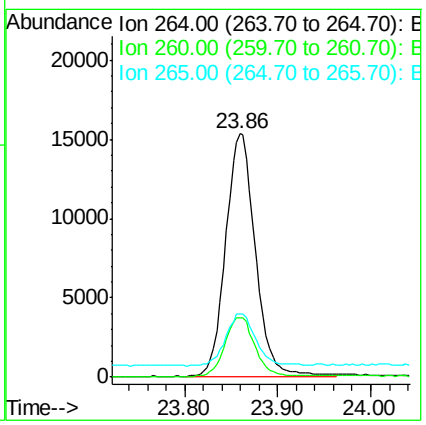
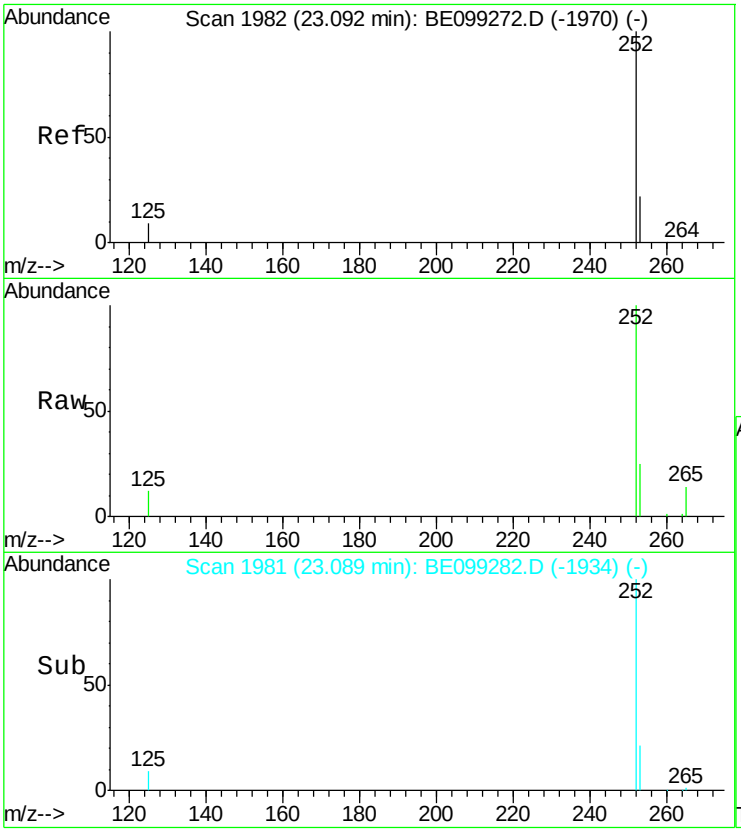


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:264 Resp: 33930

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.2
265	26.0	21.8	32.8





#35
Benzo(b)fluoranthene
Concen: 0.096 ng m
RT: 23.09 min Scan# 1981
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:252 Resp: 9688

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	11.5	6.1	9.1#

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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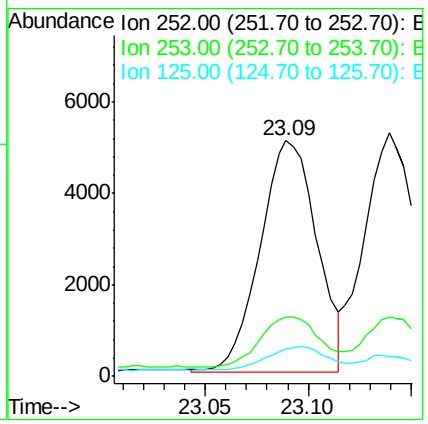
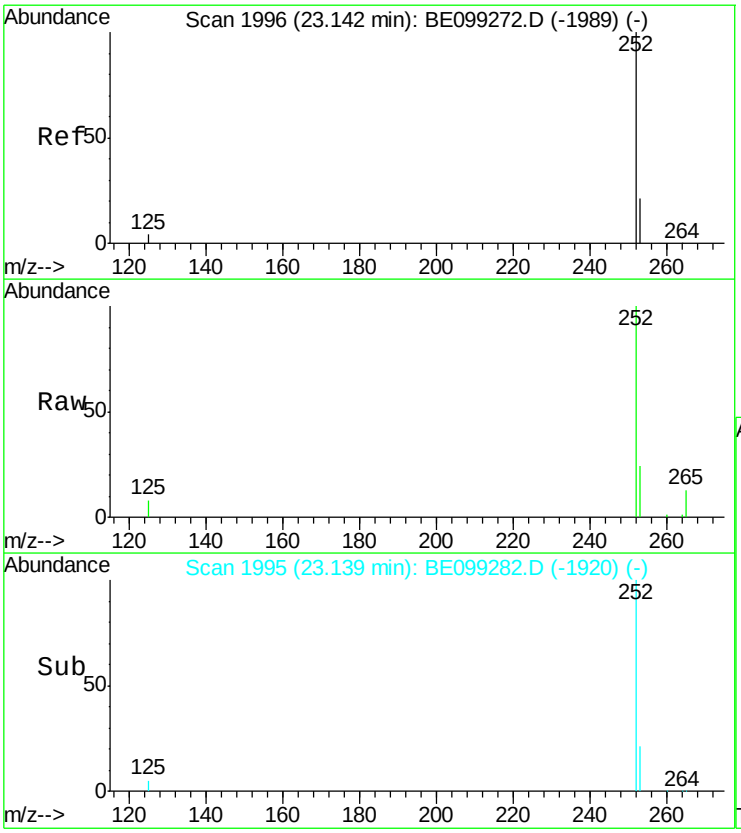
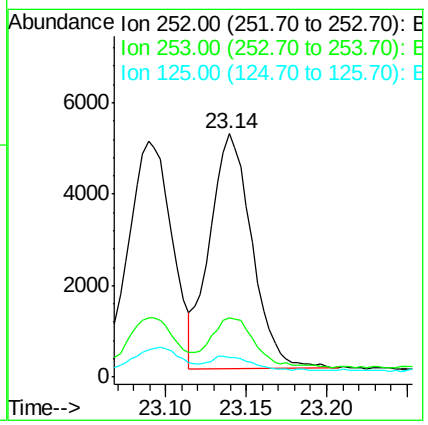


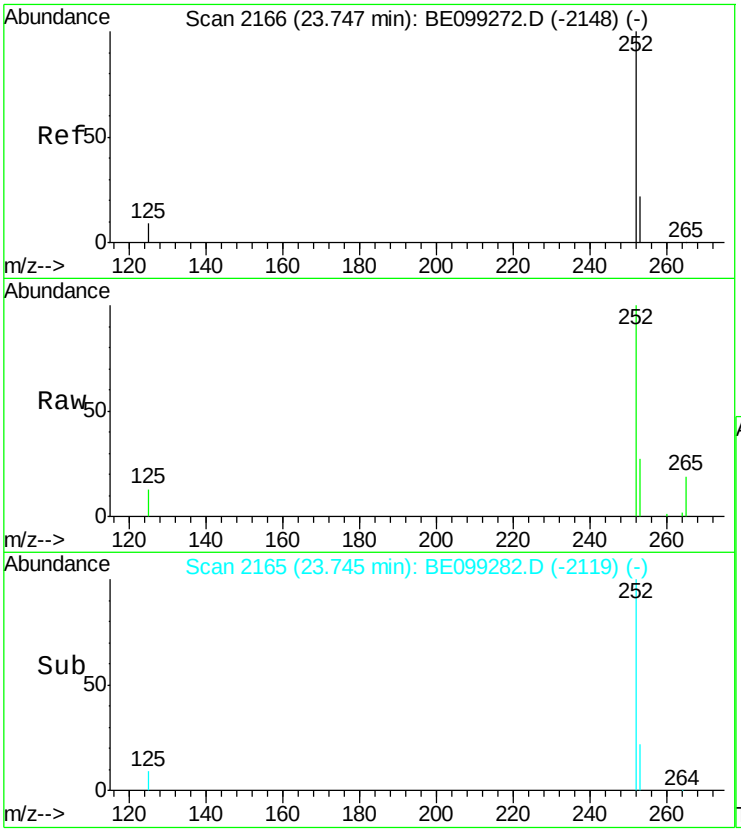


#36
Benzo(k)fluoranthene
Concen: 0.095 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.03 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:252 Resp: 9326

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	8.1	5.9	8.9





#37
Benzo(a)pyrene
Concen: 0.091 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.04 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:252 Resp: 8676

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.1	27.1
125	12.7	6.8	10.2#

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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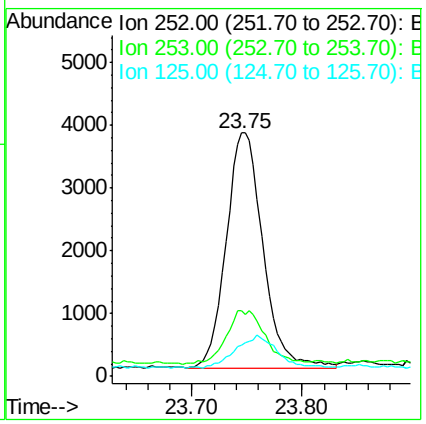
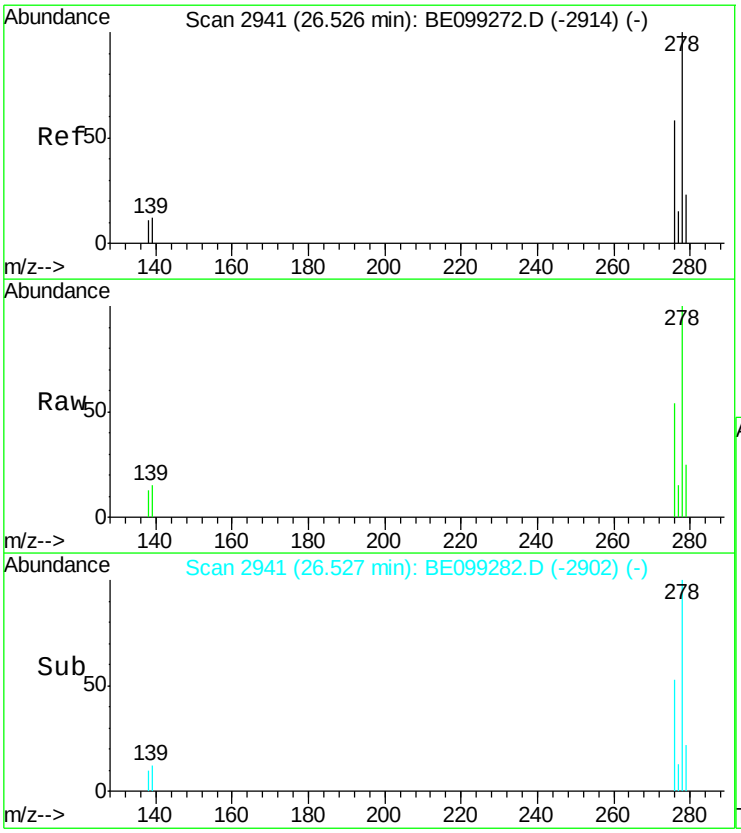
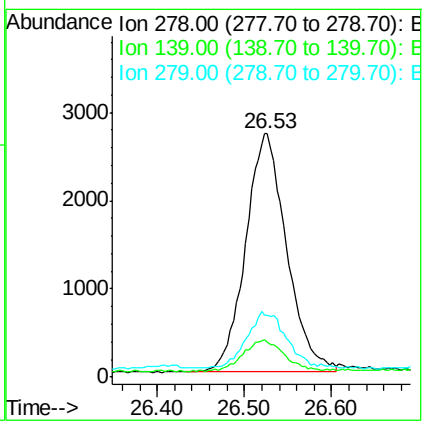


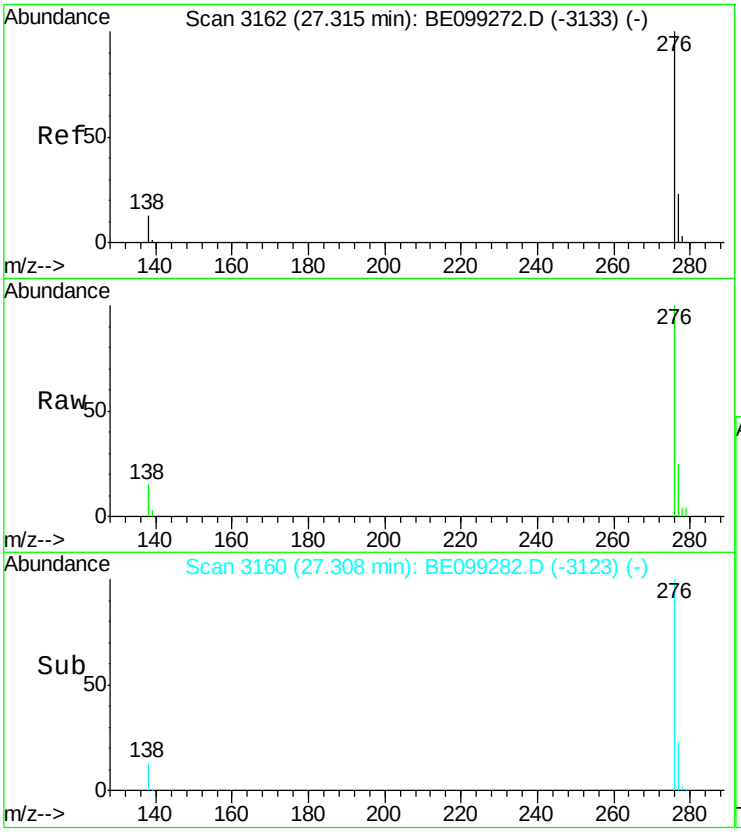


#38
Dibenzo(a,h)anthracene
Concen: 0.093 ng
RT: 26.53 min Scan# 2941
Delta R.T. -0.06 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:278 Resp: 8817

Ion	Ratio	Lower	Upper
278	100		
139	14.6	9.5	14.3#
279	25.5	19.1	28.7

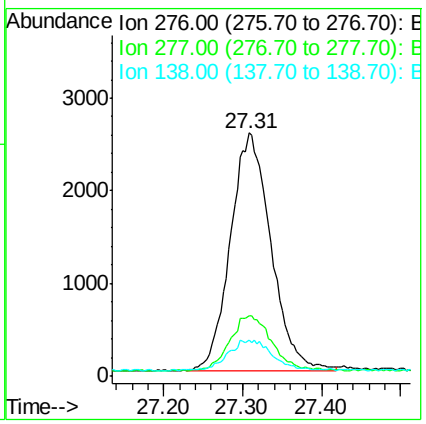




#39
Benzo(g,h,i)perylene
Concen: 0.097 ng
RT: 27.31 min Scan# 3160
Delta R.T. -0.07 min
Lab File: BE099282.D
Acq: 2 Apr 2019 20:04

Tgt Ion:276 Resp: 9129

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	14.9	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

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