Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070919\
Data File : BN006770.D
Acq On : 09 Jul 2019 17:06
Operator : HP/JU
Sample : K2241-09
Misc : MDL-W-0.1PPM
ALS Vial : 11 Sample Multiplier: 1

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

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Quant Time: Jul 10 11:37:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 13:11:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2327	0.40	ng		0.02
7) Naphthalene-d8	10.38	136	8446	0.40	ng		0.01
13) Acenaphthene-d10	14.24	164	5111	0.40	ng		0.00
19) Phenanthrene-d10	17.01	188	11419	0.40	ng		0.01
27) Chrysene-d12	21.24	240	11411	0.40	ng		0.00
34) Perylene-d12	23.46	264	13390	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	1731	0.33	ng		0.02
5) Phenol-d6	6.86	99	2090	0.29	ng		0.05
8) Nitrobenzene-d5	8.84	82	1609	0.28	ng		0.06
11) 2-Methylnaphthalene-d10	11.99	152	4691	0.37	ng		0.02
14) 2,4,6-Tribromophenol	15.79	330	709	0.30	ng		0.02
15) 2-Fluorobiphenyl	12.87	172	6954	0.37	ng		0.01
25) Fluoranthene-d10	19.06	212	13317	0.39	ng		0.00
29) Terphenyl-d14	19.66	244	10416	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	582	0.152	ng		93
3) n-Nitrosodimethylamine	3.53	42	67	0.228	ng	#	59
6) bis(2-Chloroethyl)ether	7.10	93	1387m	0.175	ng		
9) Naphthalene	10.43	128	2862	0.127	ng	#	85
10) Hexachlorobutadiene	10.68	225	645	0.132	ng	#	100
12) 2-Methylnaphthalene	12.07	142	1745	0.121	ng	#	93
16) Acenaphthylene	13.98	152	2752	0.114	ng		99
17) Acenaphthene	14.31	154	1983	0.122	ng		99
18) Fluorene	15.32	166	2265	0.113	ng		99
20) 4-Bromophenyl-phenylether	16.22	248	654	0.101	ng		93
21) Hexachlorobenzene	16.32	284	1075	0.128	ng		97
22) Pentachlorophenol	16.77	266	114m	0.279	ng		
23) Phenanthrene	17.06	178	3696	0.117	ng		99
24) Anthracene	17.16	178	2843	0.104	ng		99
26) Fluoranthene	19.09	202	5044	0.127	ng		99
28) Pyrene	19.46	202	5196	0.131	ng		99
30) Benzo(a)anthracene	21.23	228	3731	0.106	ng		97
31) Chrysene	21.28	228	5151	0.131	ng		97
32) Bis(2-ethylhexyl)phthalate	21.13	149	1632	0.100	ng		98
33) Indeno(1,2,3-cd)pyrene	25.71	276	6165	0.128	ng		99
35) Benzo(b)fluoranthene	22.80	252	4625	0.110	ng	#	86
36) Benzo(k)fluoranthene	22.85	252	5655	0.120	ng	#	84
37) Benzo(a)pyrene	23.37	252	5114	0.125	ng	#	79
38) Dibenzo(a,h)anthracene	25.71	278	4884	0.119	ng	#	87
39) Benzo(g,h,i)perylene	26.38	276	5668	0.132	ng	#	93

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070919\
Data File : BN006770.D
Acq On : 09 Jul 2019 17:06
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Sample : K2241-09
Misc : MDL-W-0.1PPM
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 10 11:37:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 13:11:11 2019
Response via : Initial Calibration

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

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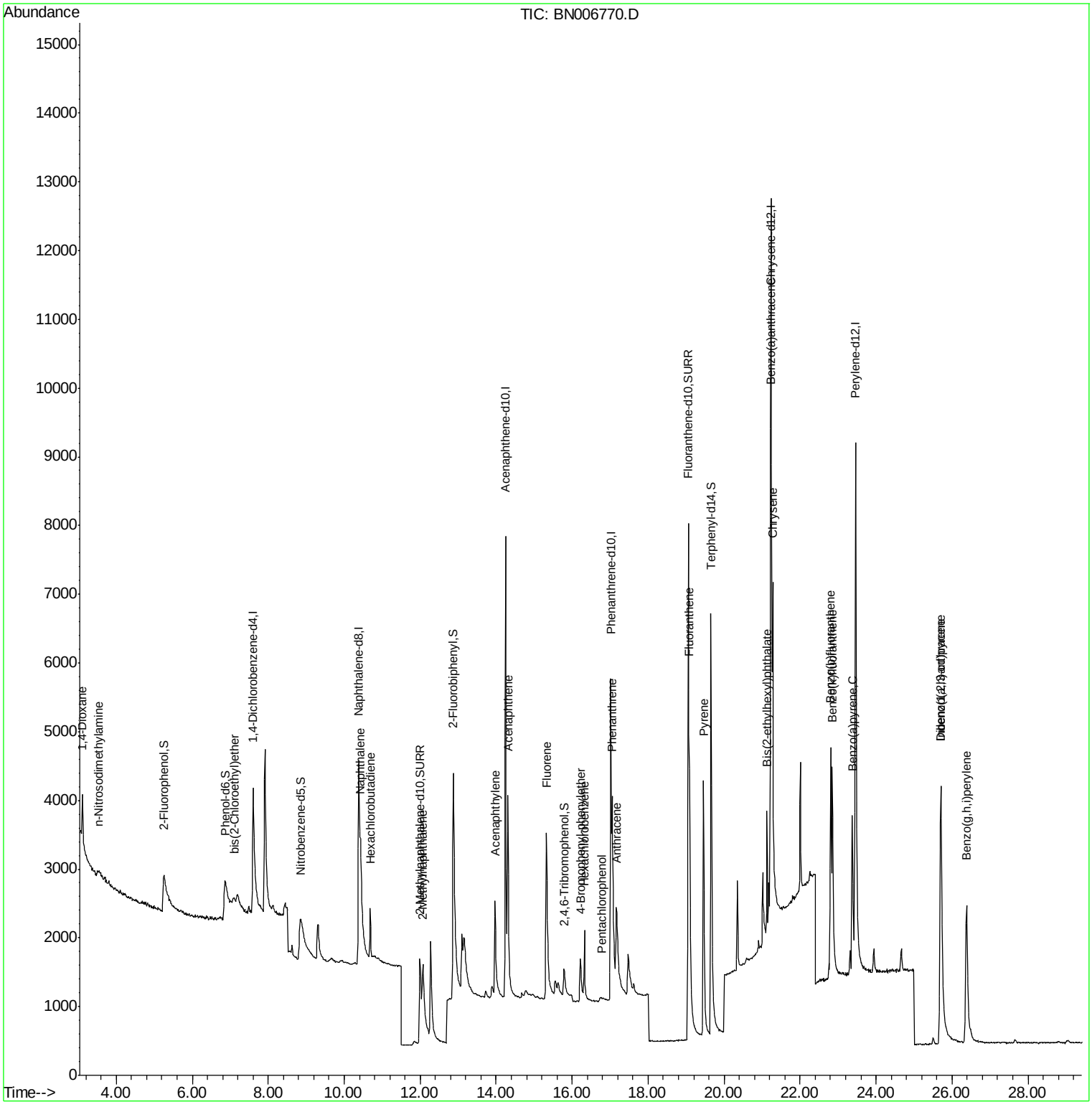
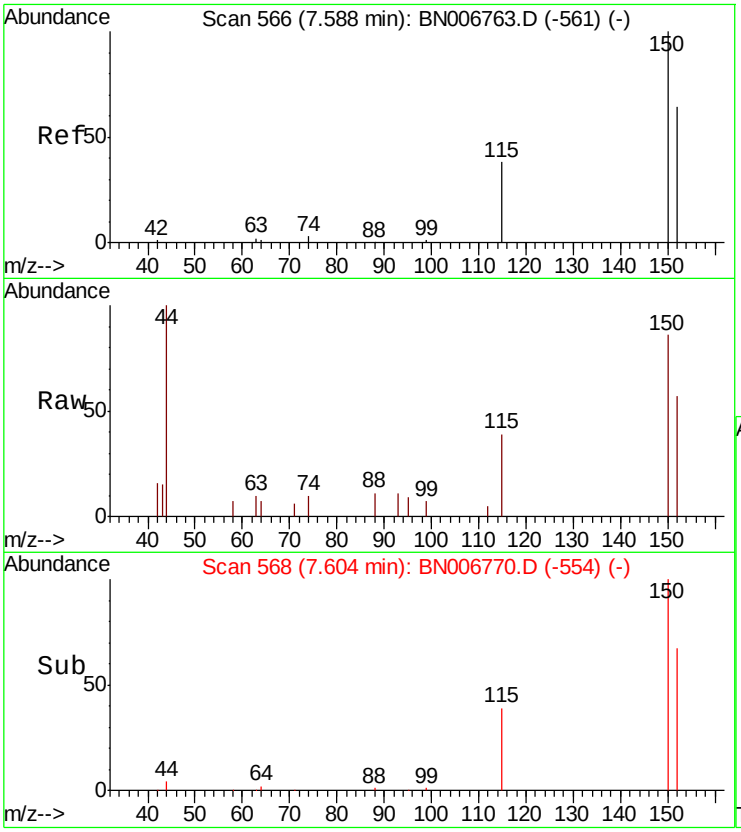
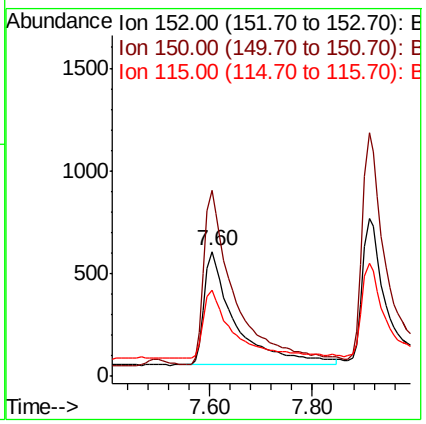




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 568
Delta R.T. 0.02 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:152 Resp: 2327

Ion	Ratio	Lower	Upper
152	100		
150	149.6	123.6	185.4
115	68.5	52.5	78.7



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

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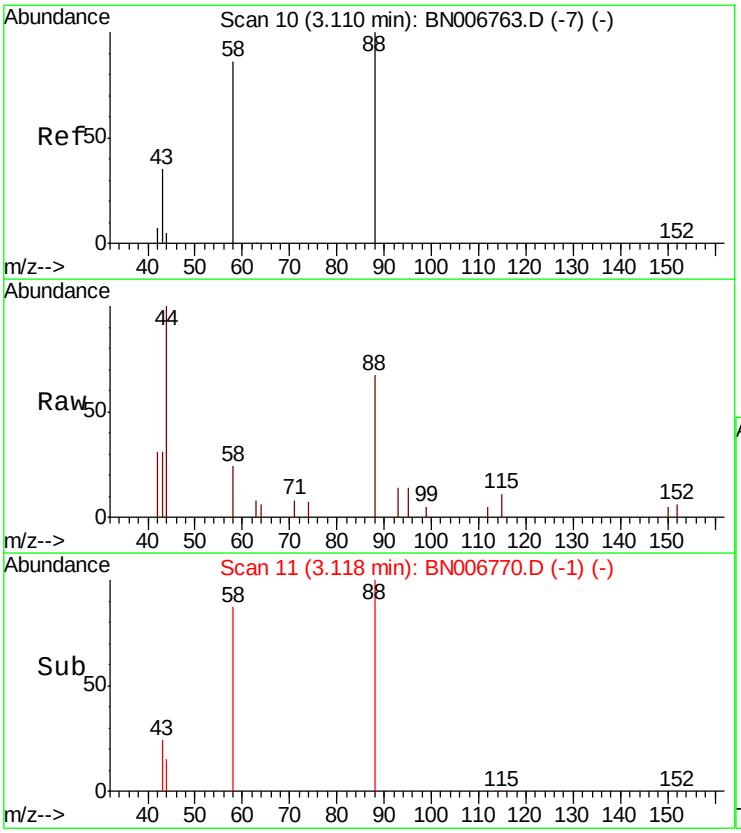
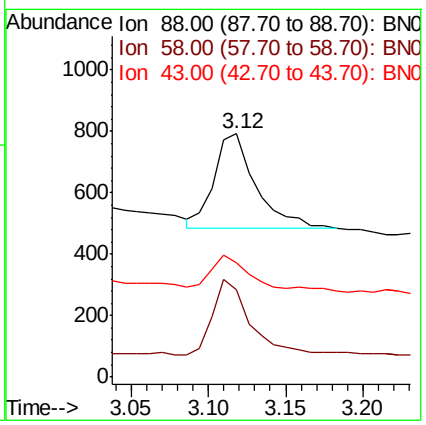
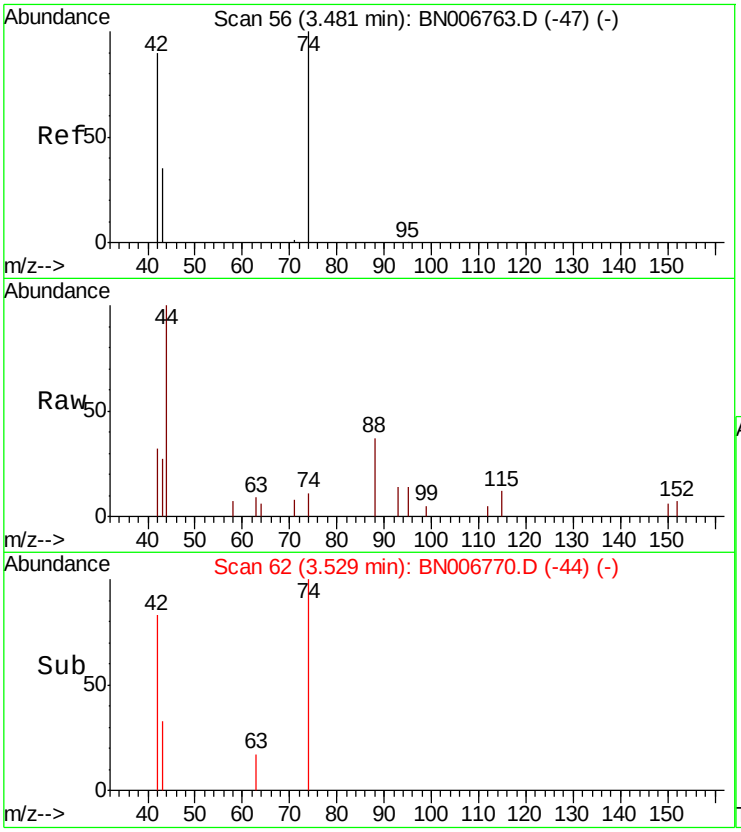


#2
1,4-Dioxane
Concen: 0.152 ng
RT: 3.12 min Scan# 11
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion: 88 Resp: 582

Ion	Ratio	Lower	Upper
88	100		
58	72.5	61.8	92.6
43	28.5	27.9	41.9

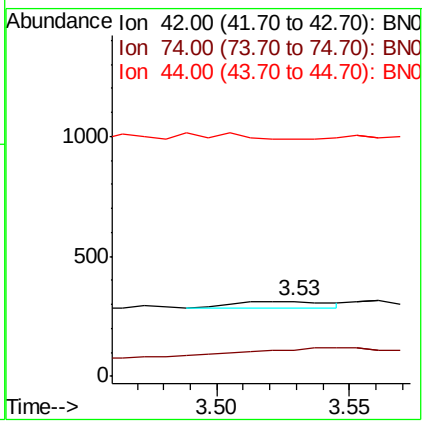




#3
n-Nitrosodimethylamine
Concen: 0.228 ng
RT: 3.53 min Scan# 62
Delta R.T. 0.05 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion: 42 Resp: 67

Ion	Ratio	Lower	Upper
42	100		
74	152.2	86.2	129.4#
44	0.0	7.0	10.6#



Instrument :
BNA_N
ClientSampleId :
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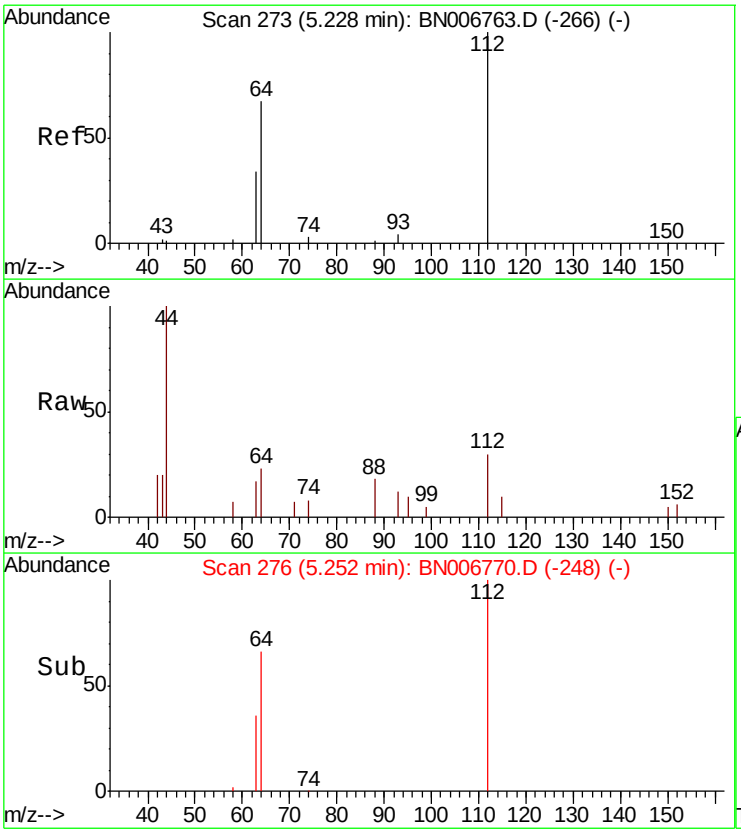
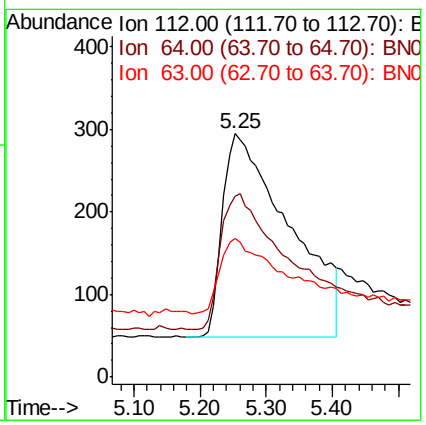
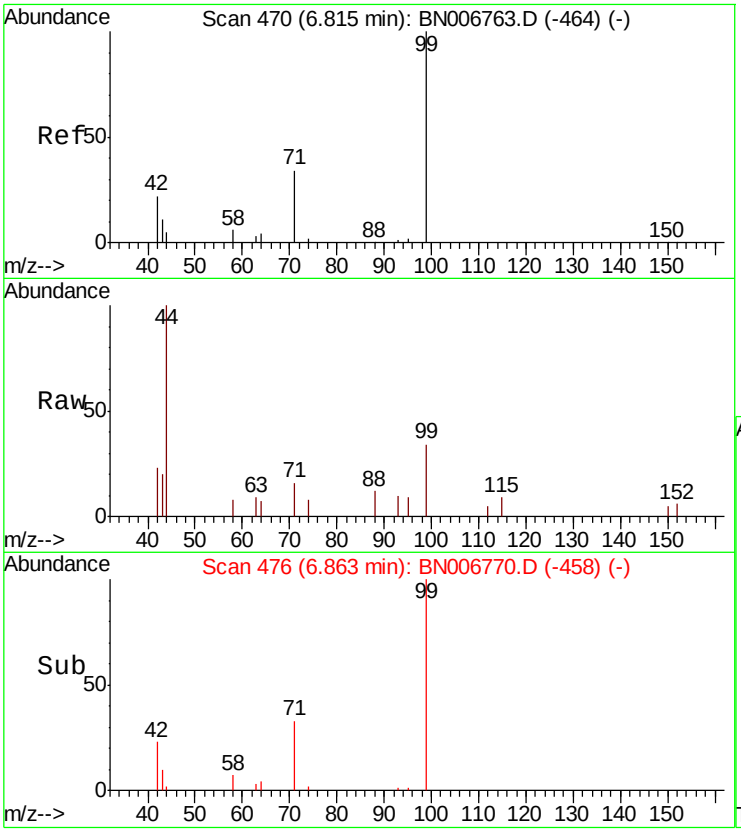


#4
2-Fluorophenol
Concen: 0.335 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.02 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:112 Resp: 1731

Ion	Ratio	Lower	Upper
112	100		
64	66.3	52.7	79.1
63	36.3	27.7	41.5





#5
Phenol-d6
Concen: 0.294 ng
RT: 6.86 min Scan# 476
Delta R.T. 0.05 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion: 99 Resp: 2090

Ion	Ratio	Lower	Upper
99	100		
42	25.9	17.0	25.6#
71	35.9	29.1	43.7

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

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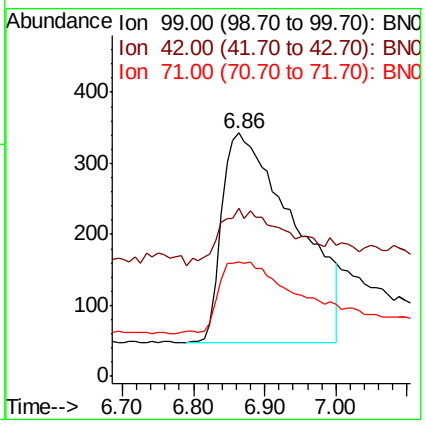
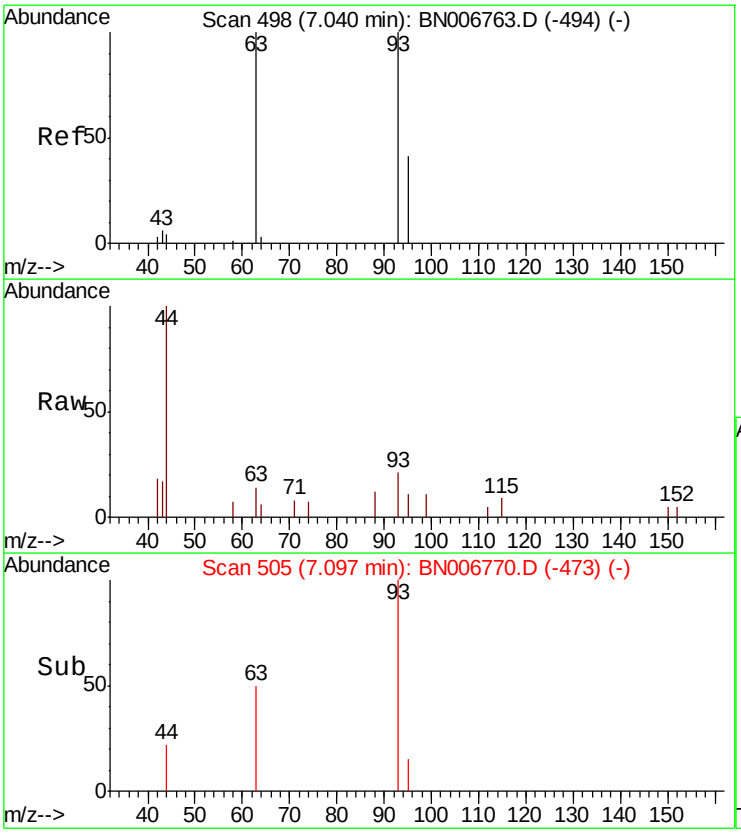
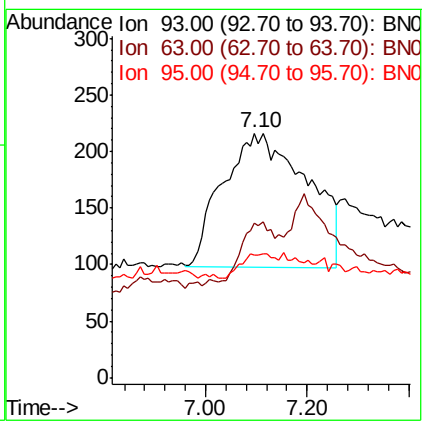


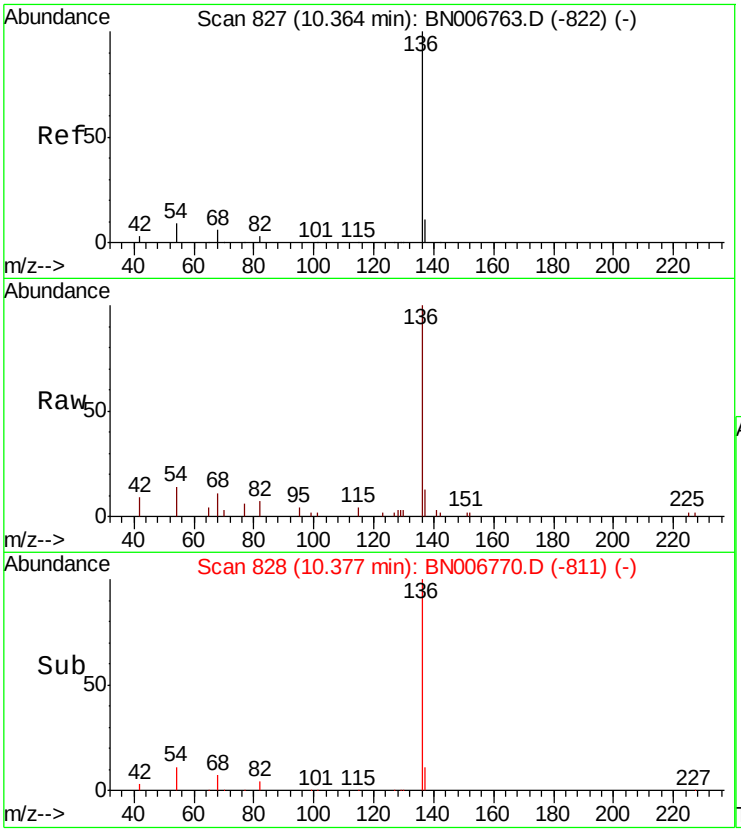


#6
bis(2-Chloroethyl)ether
Concen: 0.175 ng m
RT: 7.10 min Scan# 505
Delta R.T. 0.06 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion: 93 Resp: 1387

Ion	Ratio	Lower	Upper
93	100		
63	0.0	48.6	73.0#
95	7.4	22.9	34.3#

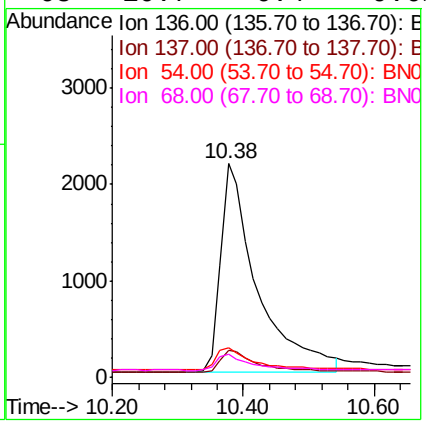




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 828
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:136 Resp: 8446

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	13.8	8.4	12.6#
68	10.7	6.4	9.6#



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

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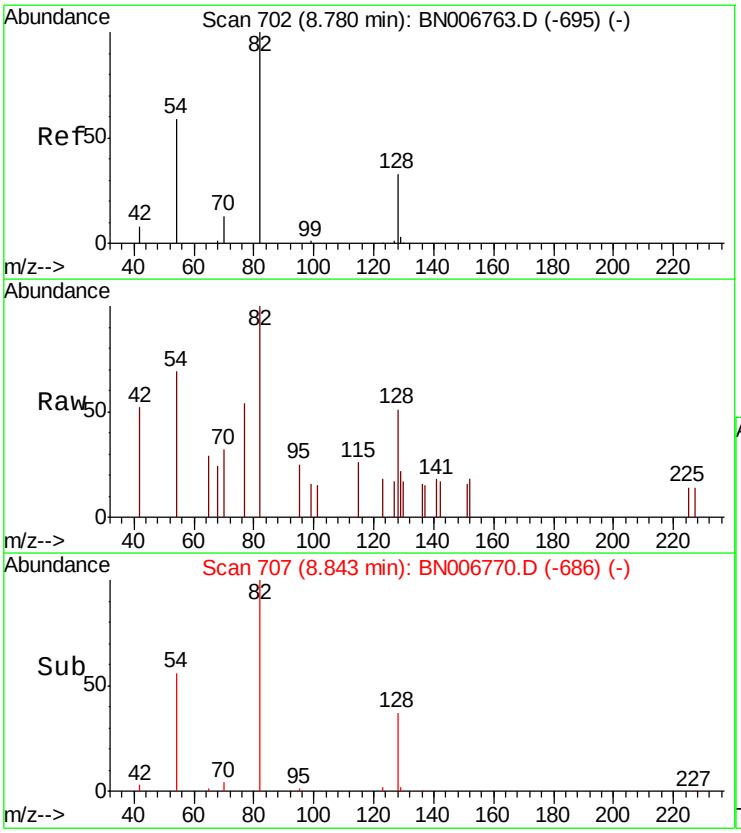
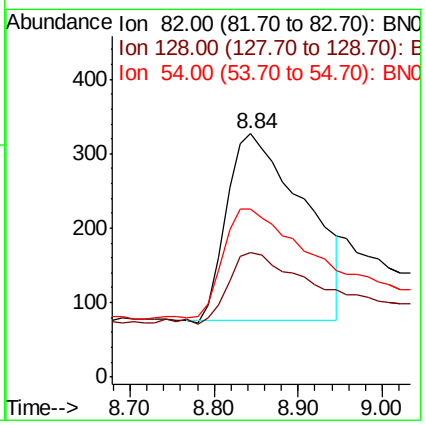
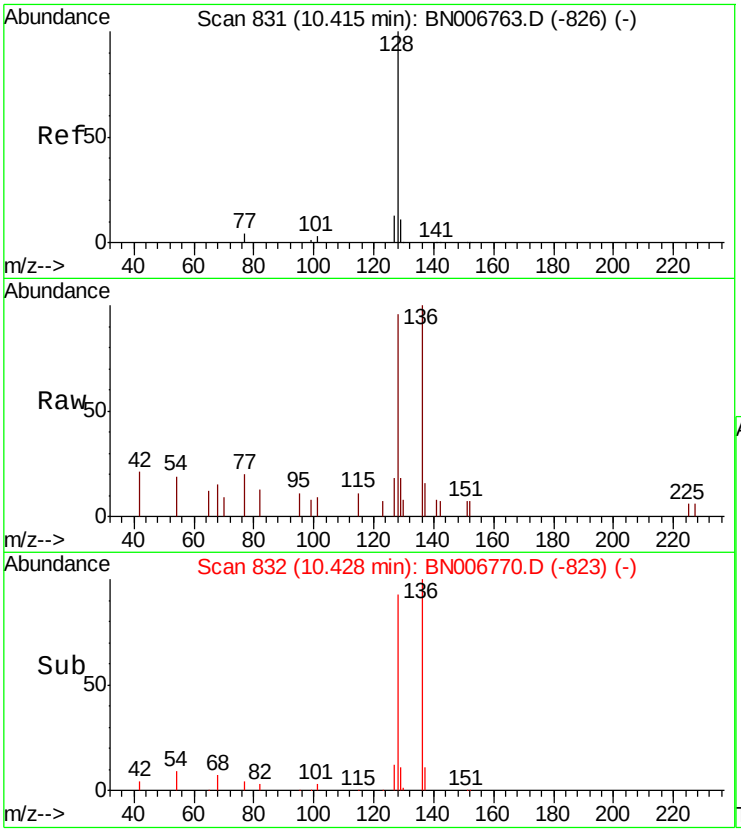


#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.84 min Scan# 707
Delta R.T. 0.06 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion: 82 Resp: 1609

Ion	Ratio	Lower	Upper
82	100		
128	51.4	33.0	49.6#
54	69.1	52.2	78.2

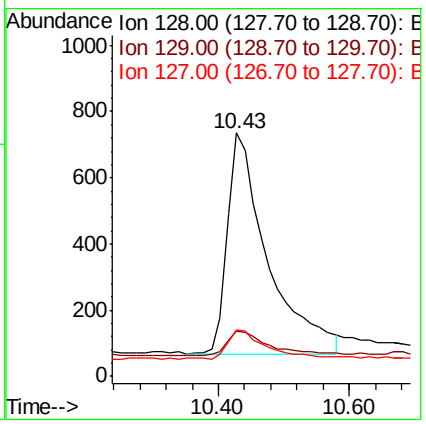




#9
Naphthalene
Concen: 0.127 ng
RT: 10.43 min Scan# 832
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:128 Resp: 2862

Ion	Ratio	Lower	Upper
128	100		
129	18.8	9.6	14.4#
127	18.9	11.0	16.4#



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

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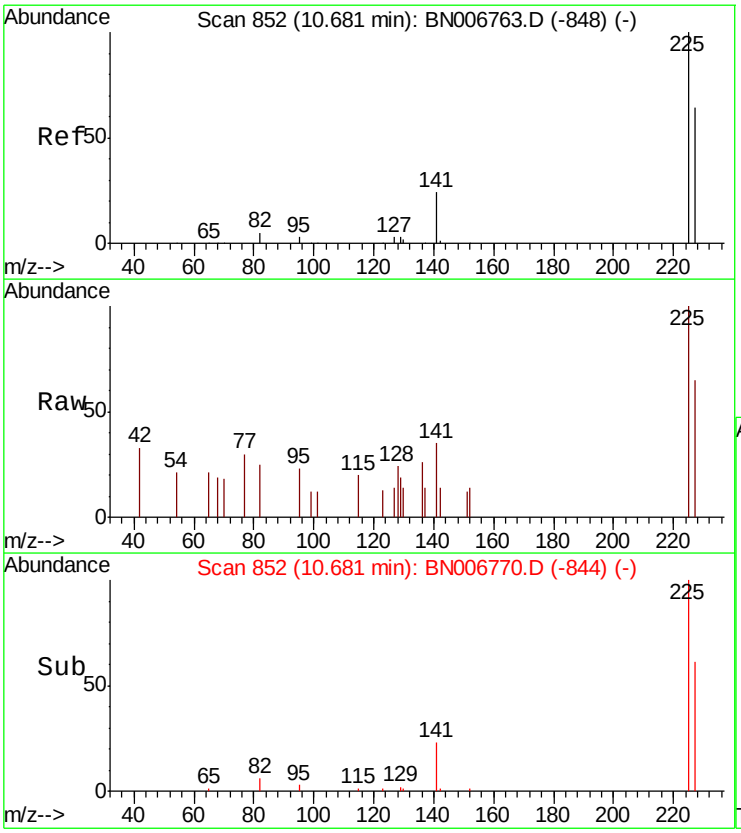
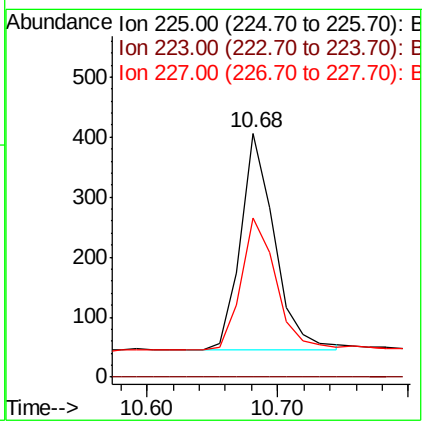
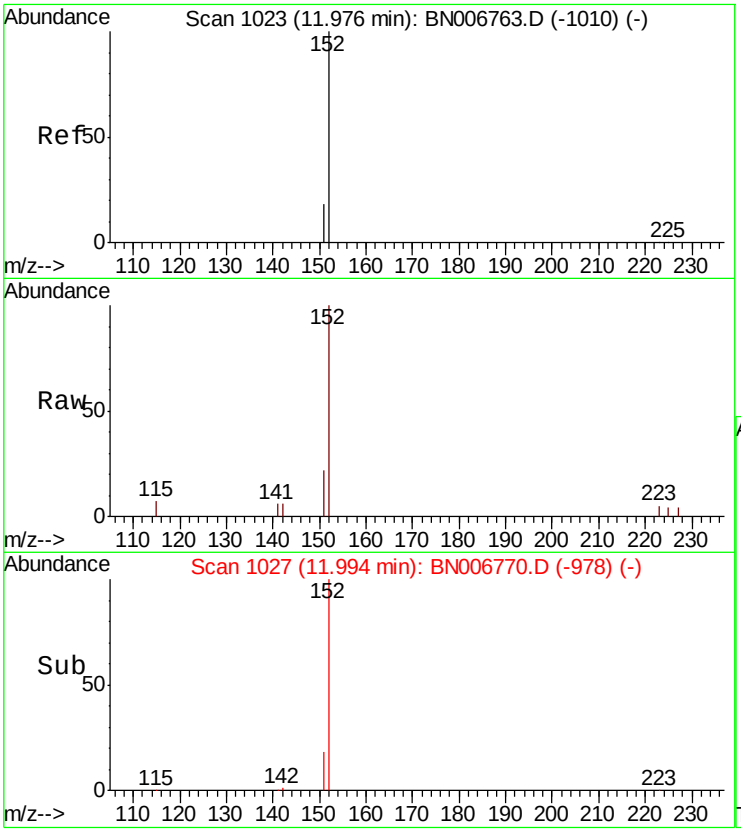


#10
Hexachlorobutadiene
Concen: 0.132 ng
RT: 10.68 min Scan# 852
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:225 Resp: 645

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.8	76.2





#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 11.99 min Scan# 1027
Delta R.T. 0.02 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:152 Resp: 4691

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.1	22.7

Instrument :
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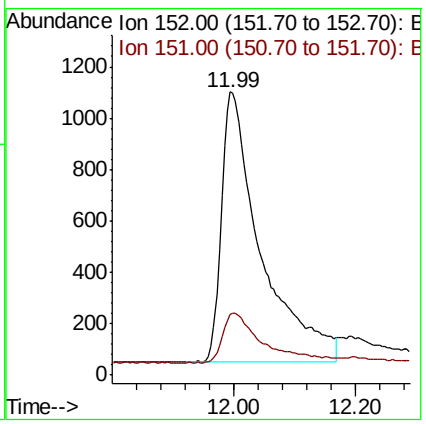
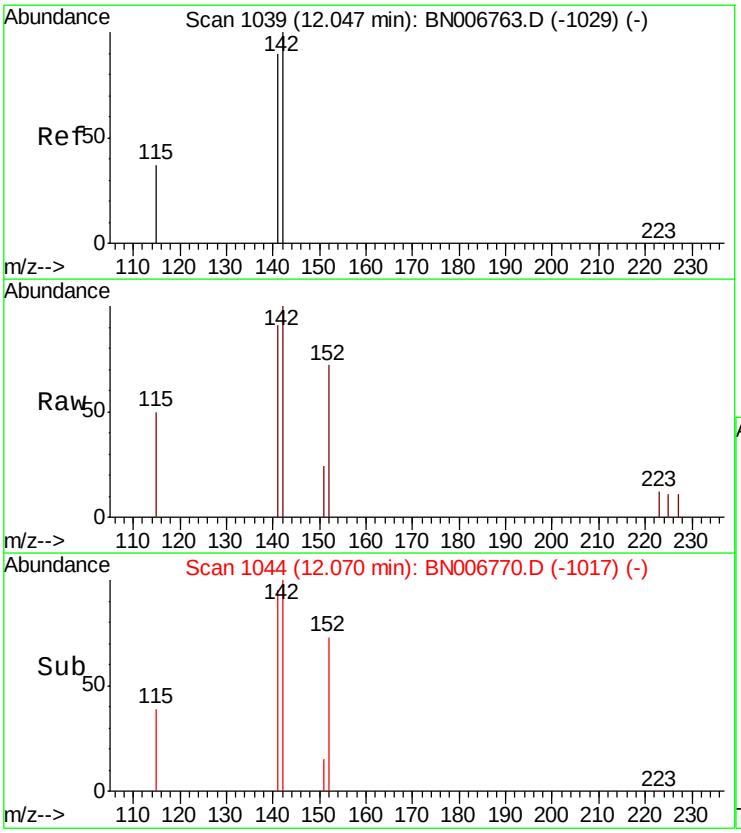
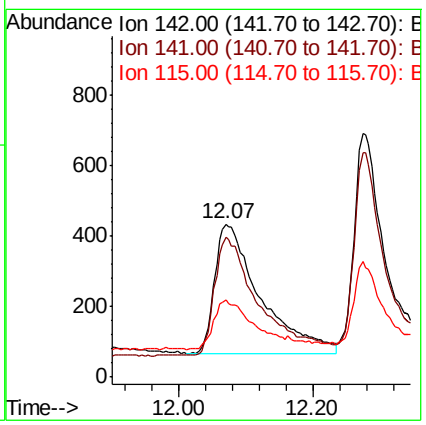


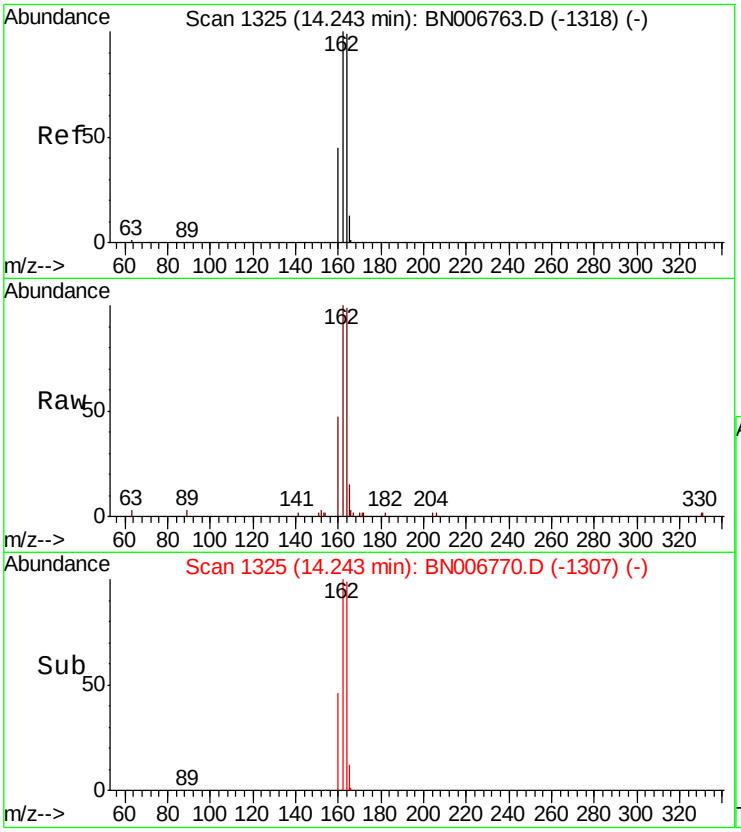


#12
2-Methylnaphthalene
Concen: 0.121 ng
RT: 12.07 min Scan# 1044
Delta R.T. 0.02 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:142 Resp: 1745

Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.7	107.5
115	50.2	31.2	46.8#

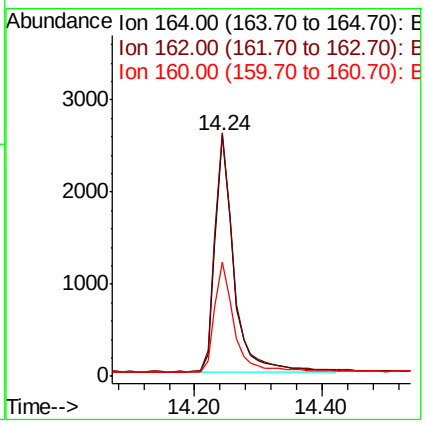




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:164 Resp: 5111

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.0	121.4
160	47.7	37.4	56.0



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

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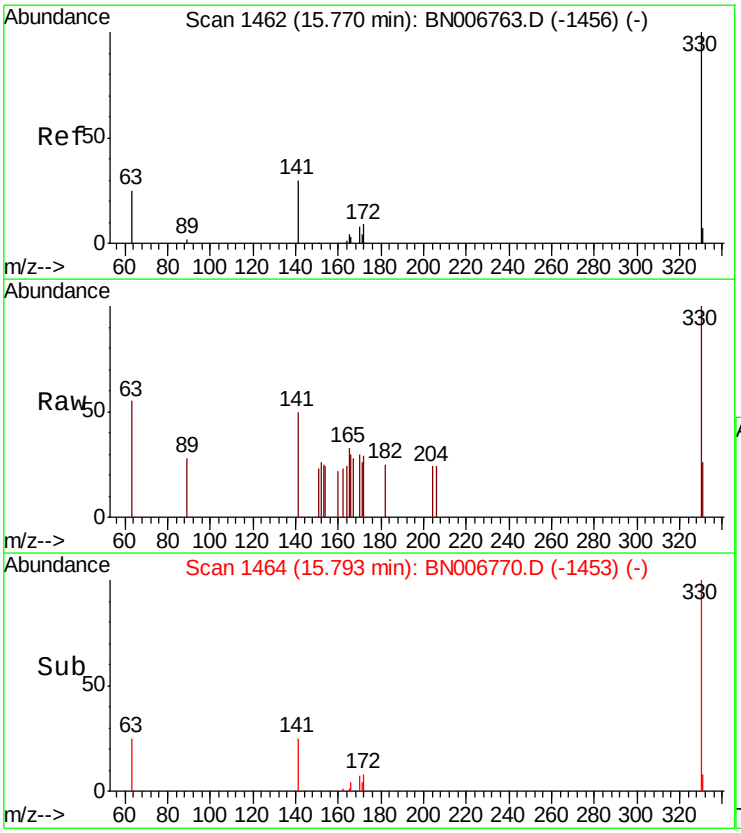
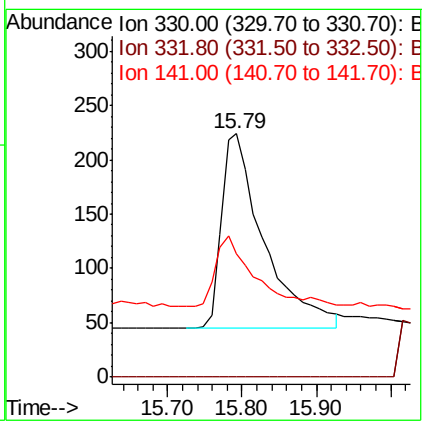
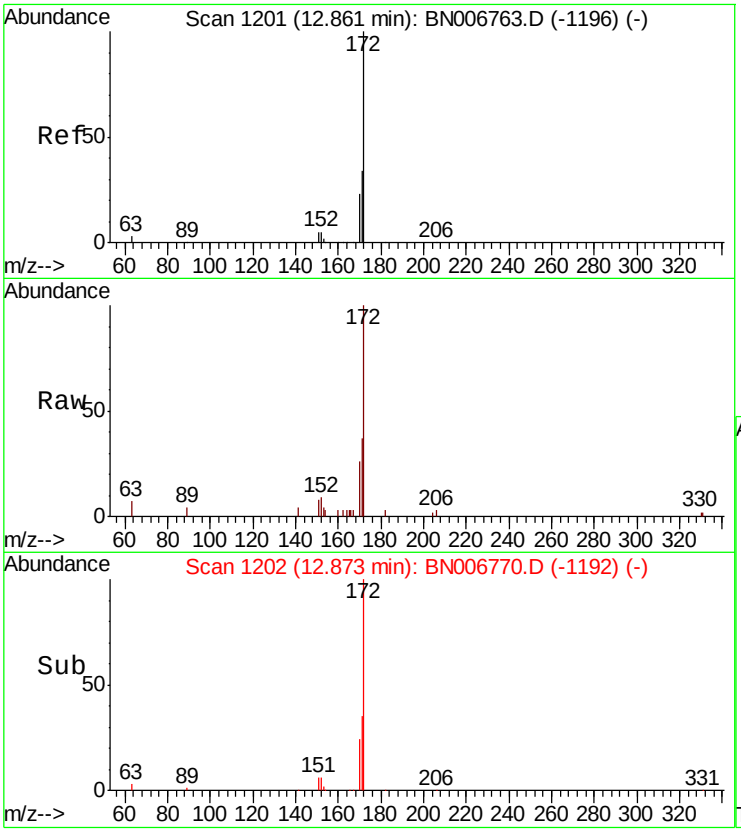


#14
2,4,6-Tribromophenol
Concen: 0.297 ng
RT: 15.79 min Scan# 1464
Delta R.T. 0.02 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:330 Resp: 709

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.0	26.6	39.8

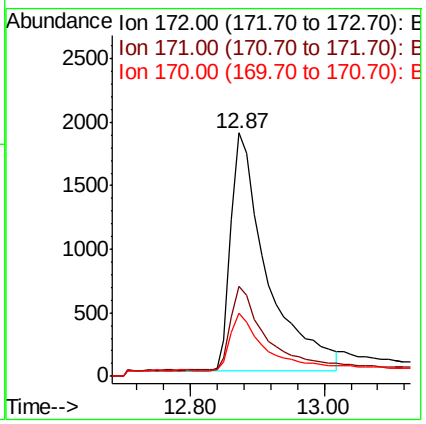




#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 12.87 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:172 Resp: 6954

Ion	Ratio	Lower	Upper
172	100		
171	37.1	27.8	41.6
170	25.8	19.0	28.6



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

Manual Integrations APPROVED
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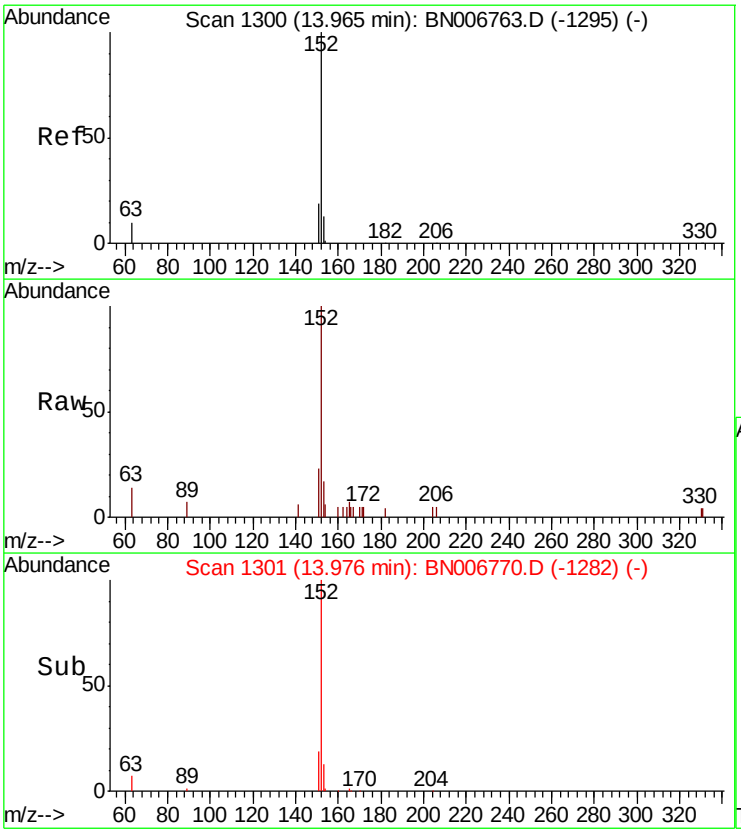
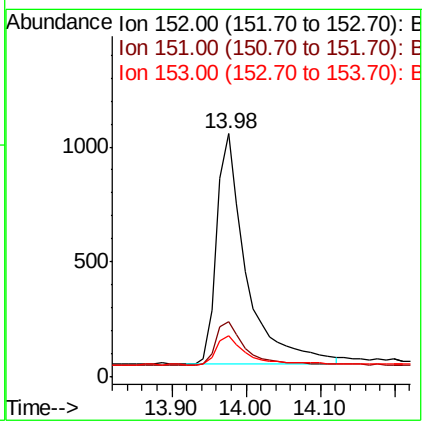
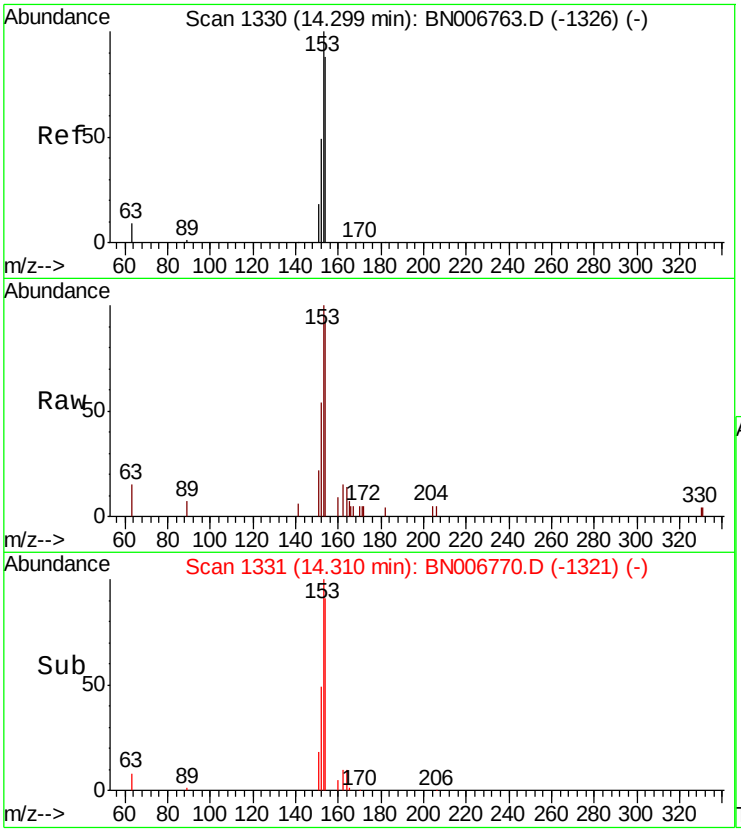


#16
Acenaphthylene
Concen: 0.114 ng
RT: 13.98 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:152 Resp: 2752

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	12.9	10.5	15.7

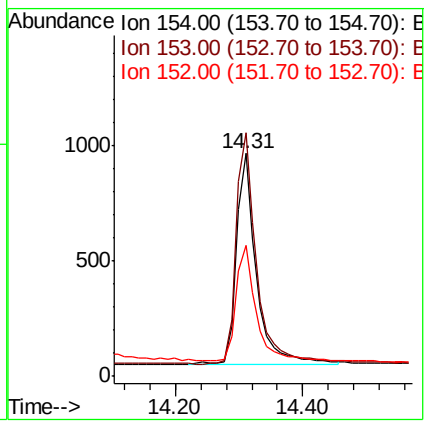




#17
Acenaphthene
Concen: 0.122 ng
RT: 14.31 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:154 Resp: 1983

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.8	136.2
152	54.2	44.9	67.3



Instrument :
BNA_N
ClientSampleId :
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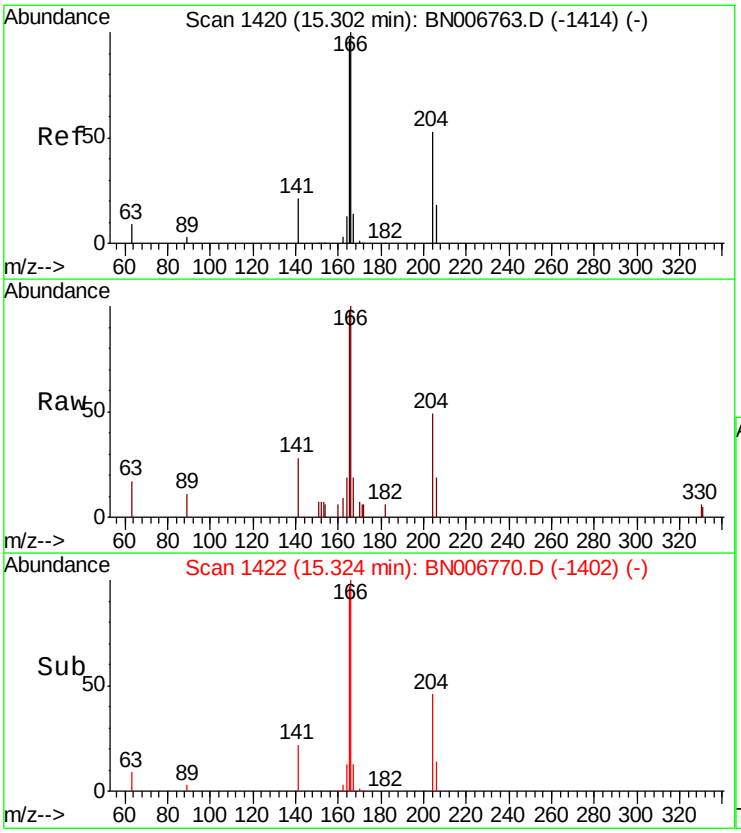
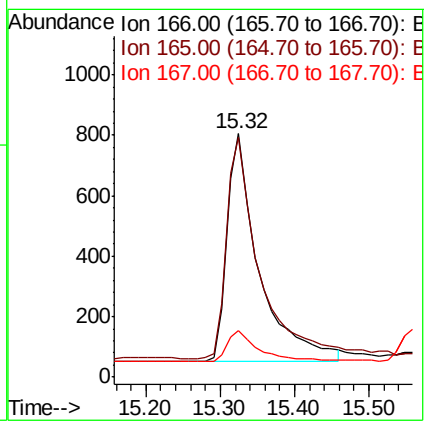
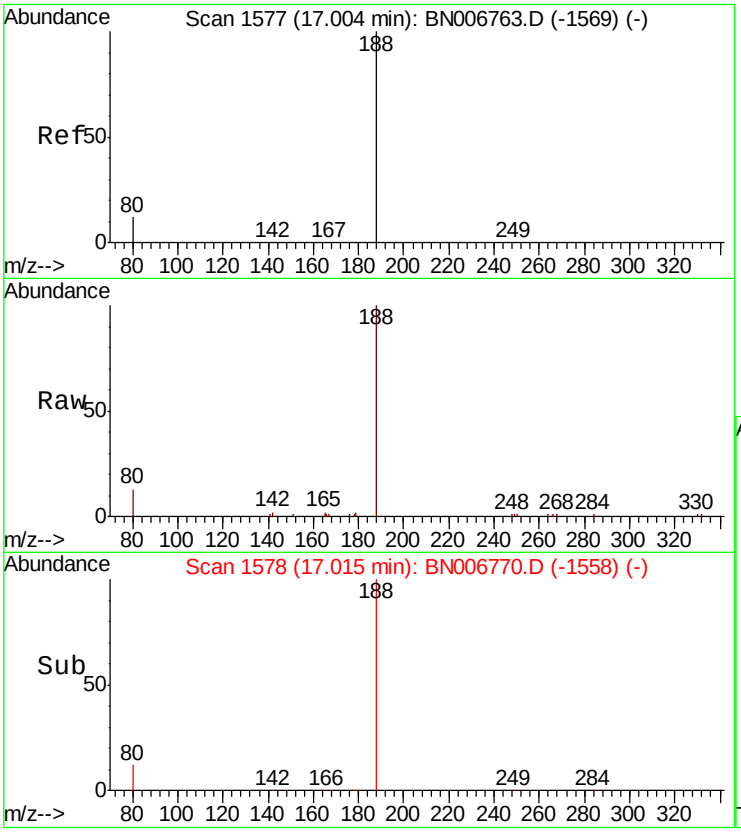


#18
Fluorene
Concen: 0.113 ng
RT: 15.32 min Scan# 1422
Delta R.T. 0.02 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:166 Resp: 2265

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	13.8	10.9	16.3

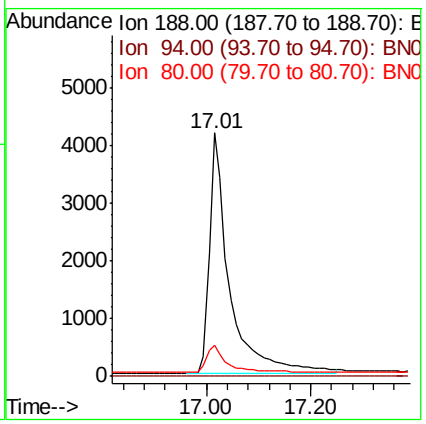




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:188 Resp: 11419

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	10.1	15.1



Instrument :
BNA_N
ClientSampleId :
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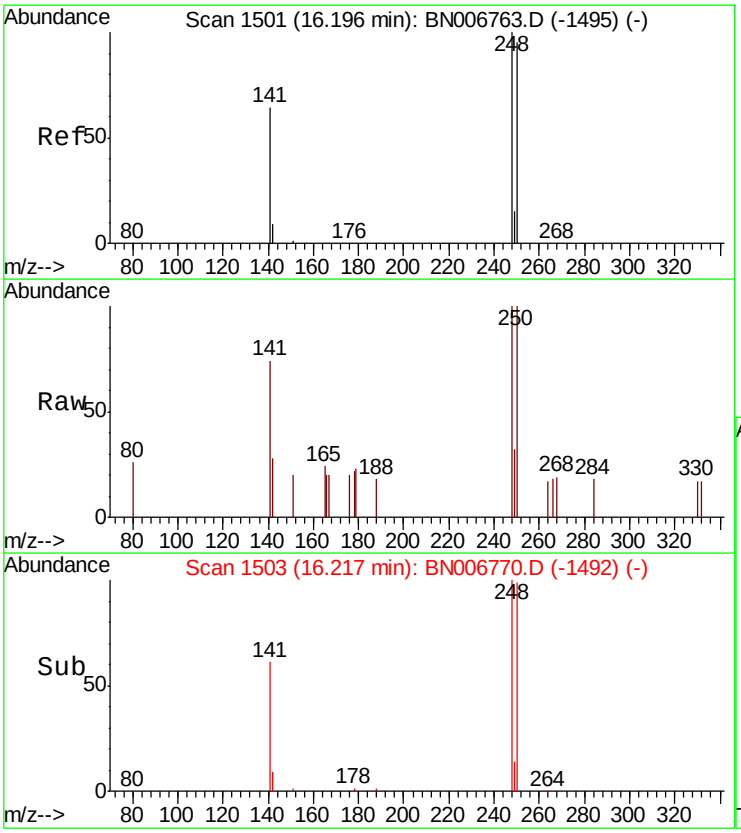
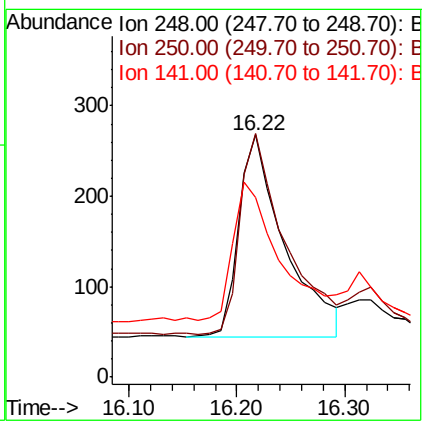
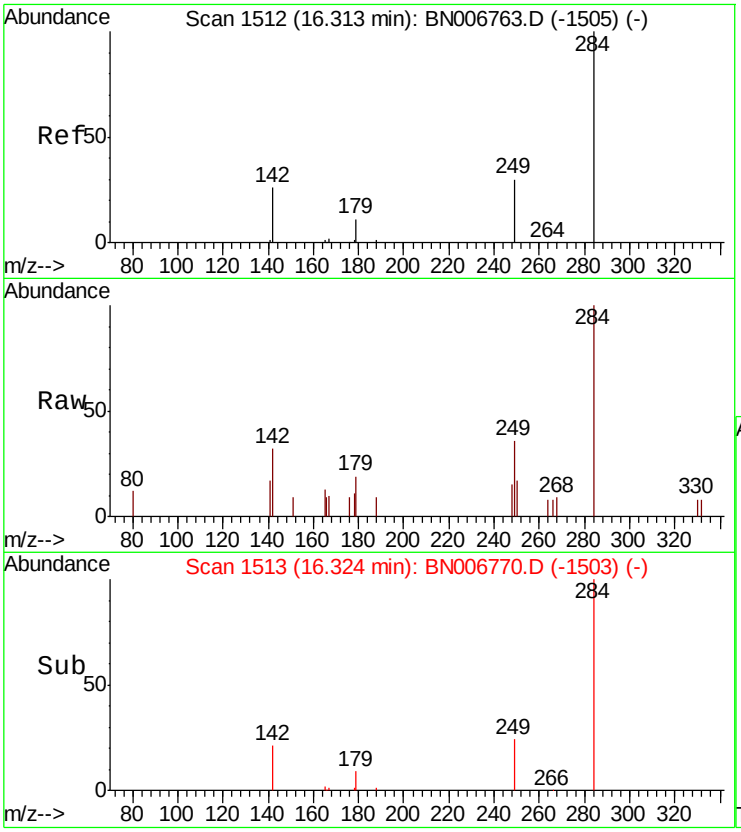


#20
4-Bromophenyl-phenylether
Concen: 0.101 ng
RT: 16.22 min Scan# 1503
Delta R.T. 0.02 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:248 Resp: 654

Ion	Ratio	Lower	Upper
248	100		
250	100.4	76.5	114.7
141	73.9	53.2	79.8

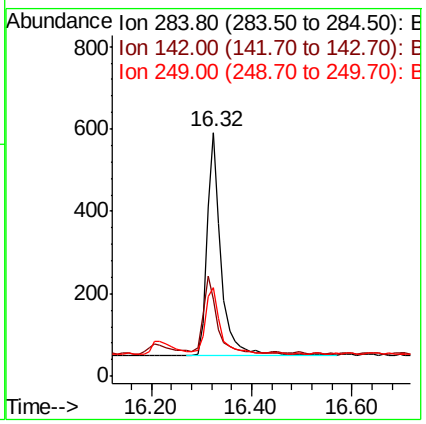




#21
Hexachlorobenzene
Concen: 0.128 ng
RT: 16.32 min Scan# 1513
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:284 Resp: 1075

Ion	Ratio	Lower	Upper
284	100		
142	32.0	27.0	40.4
249	29.1	24.3	36.5



Instrument :
BNA_N
ClientSampleId :
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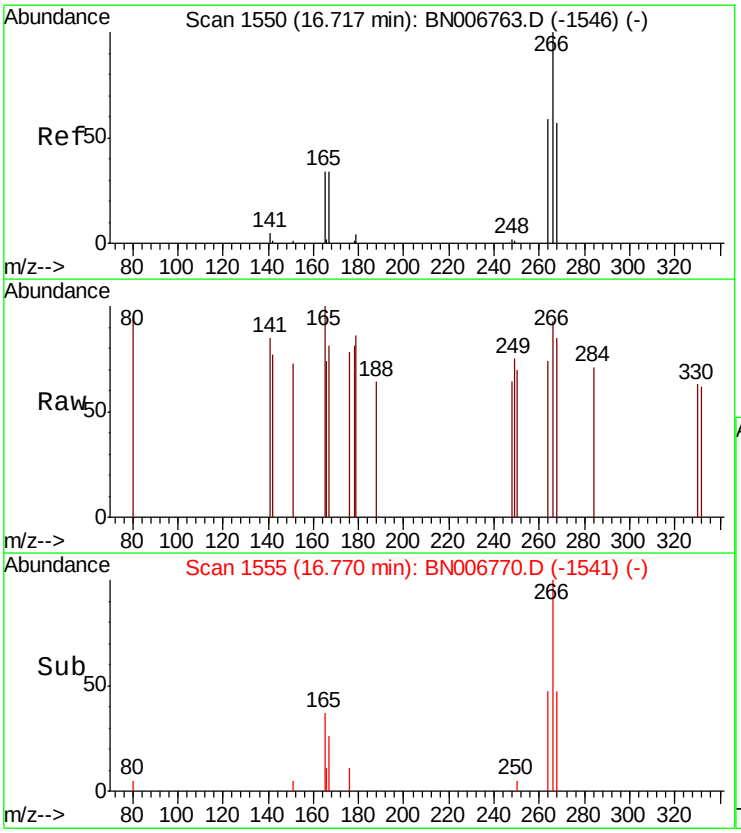
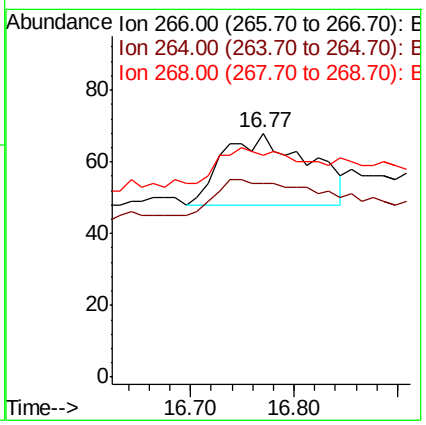
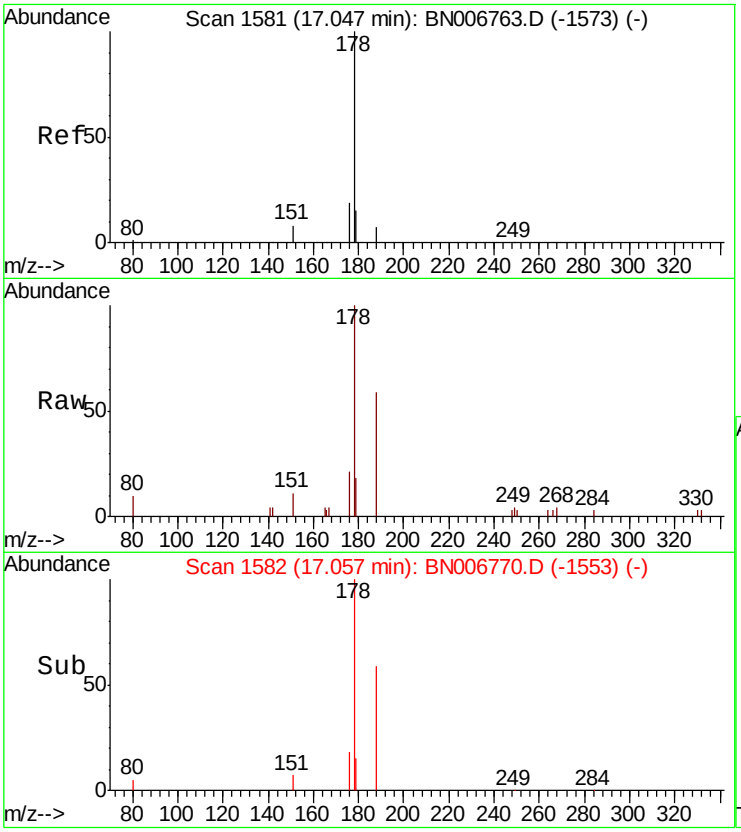


#22
Pentachlorophenol
Concen: 0.279 ng m
RT: 16.77 min Scan# 1555
Delta R.T. 0.05 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:266 Resp: 114

Ion	Ratio	Lower	Upper
266	100		
264	79.4	56.2	84.4
268	91.2	60.2	90.2#





#23
Phenanthrene
Concen: 0.117 ng
RT: 17.06 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:178 Resp: 3696

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	16.1	12.2	18.2

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

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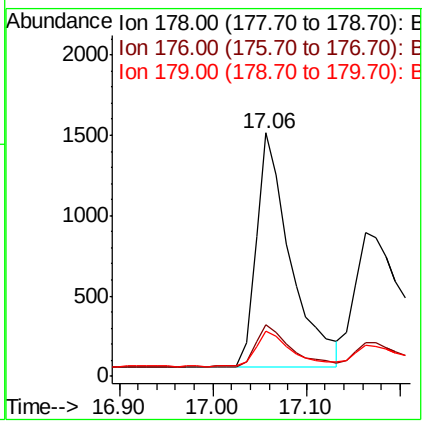
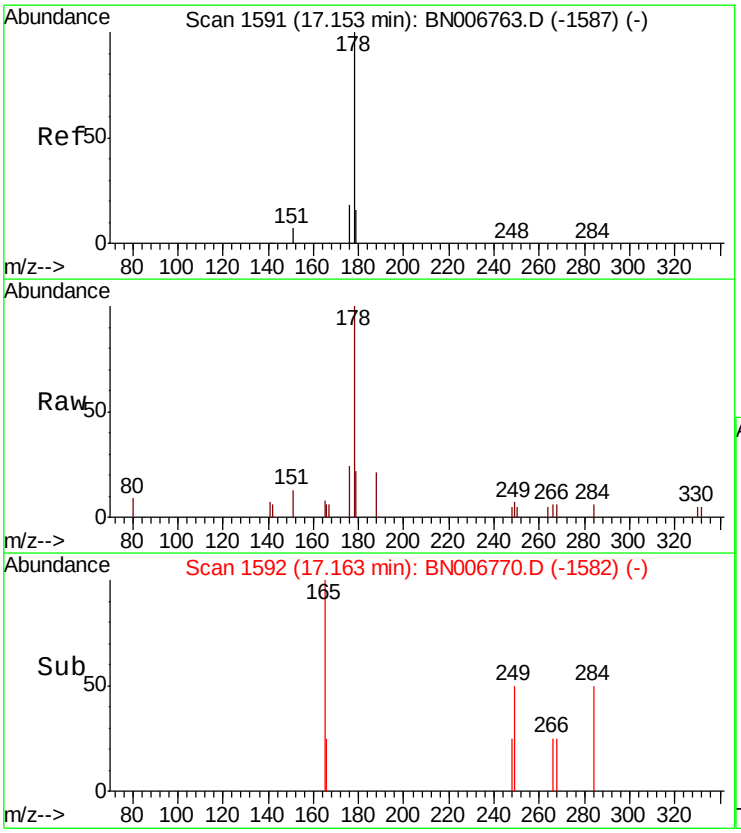
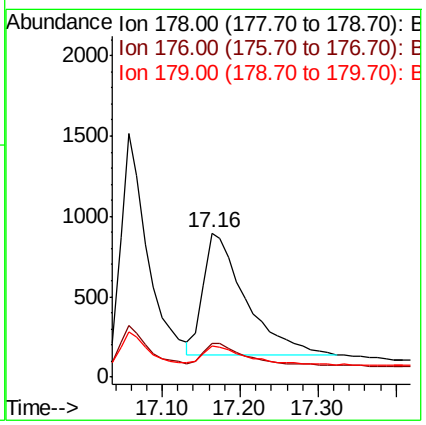


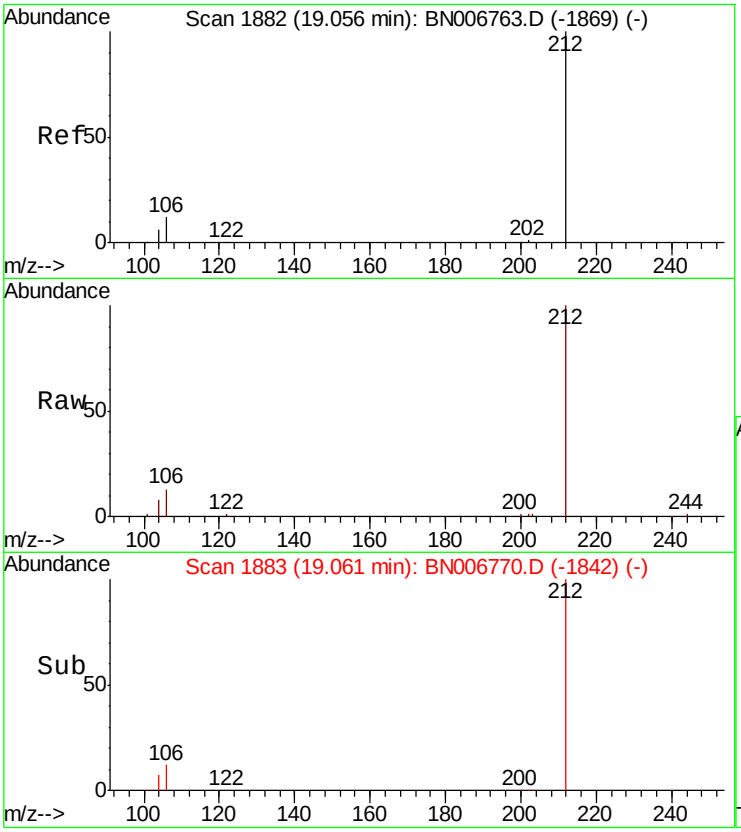


#24
Anthracene
Concen: 0.104 ng
RT: 17.16 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:178 Resp: 2843

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	14.1	12.1	18.1





#25
Fluoranthene-d10
Concen: 0.386 ng
RT: 19.06 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:212 Resp: 13317

Ion	Ratio	Lower	Upper
212	100		
106	12.9	10.5	15.7
104	7.5	5.9	8.9

Instrument :
BNA_N
ClientSampleId :
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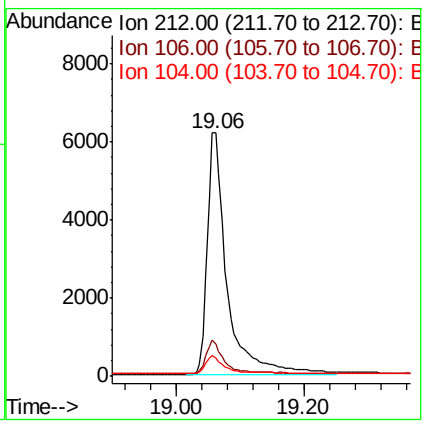
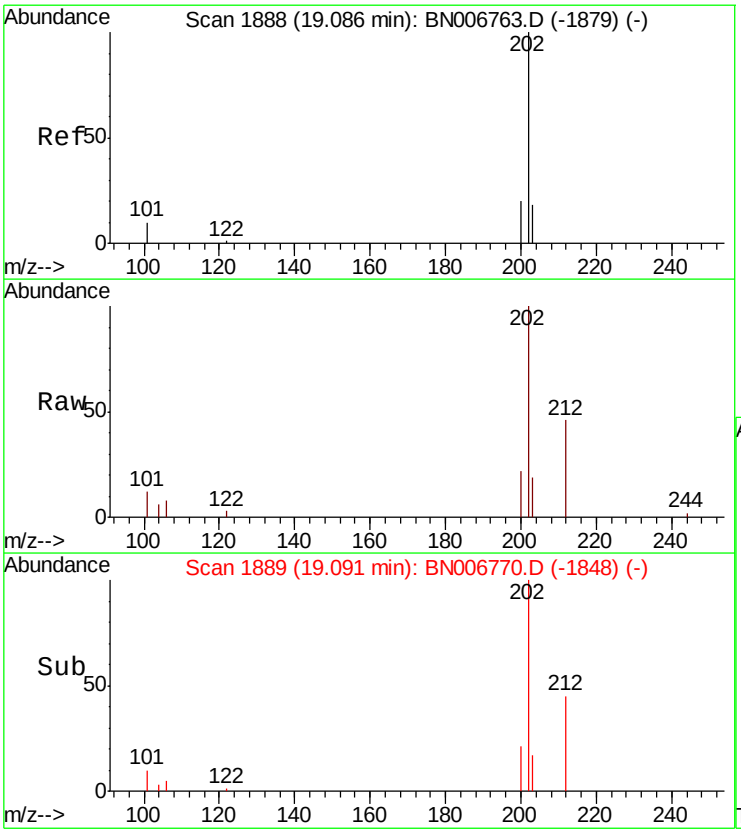
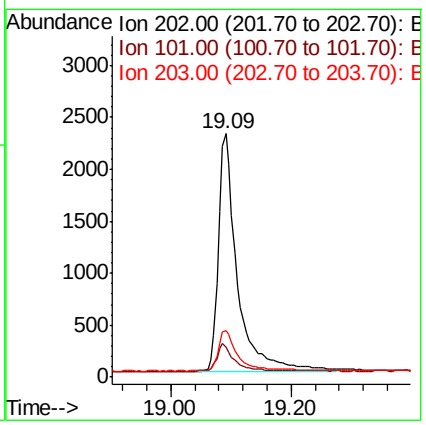


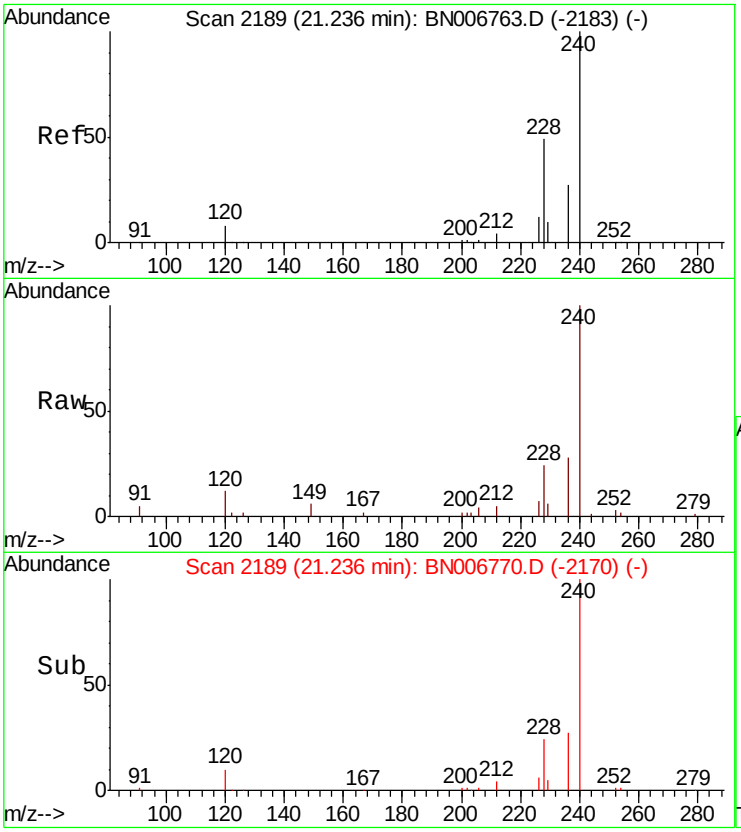


#26
Fluoranthene
Concen: 0.127 ng
RT: 19.09 min Scan# 1889
Delta R.T. 0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:202 Resp: 5044

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.8	13.2
203	17.3	13.6	20.4

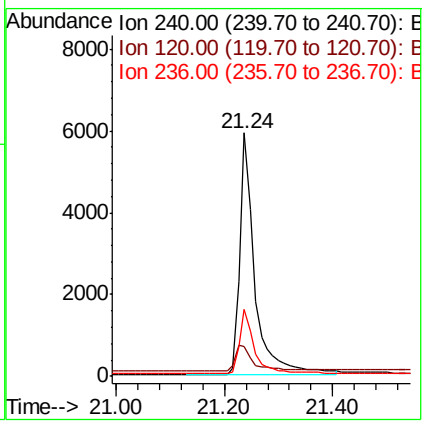




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:240 Resp: 11411

Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.1	12.1#
236	27.8	21.8	32.6



Instrument :
BNA_N
ClientSampleId :
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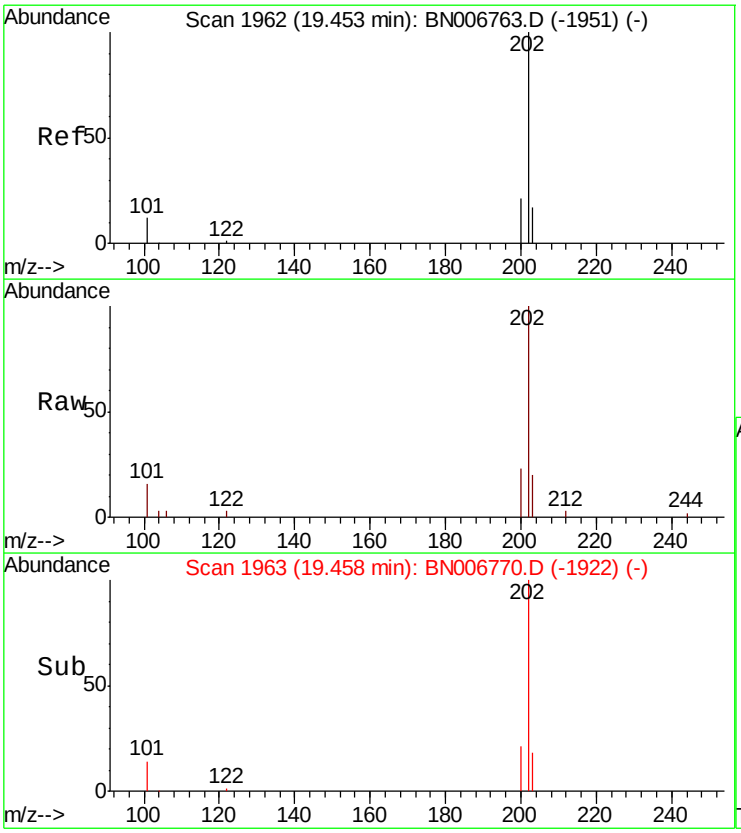
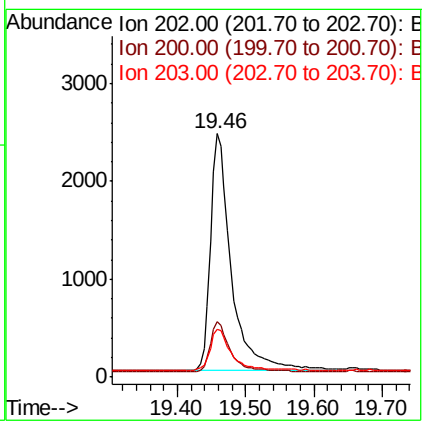
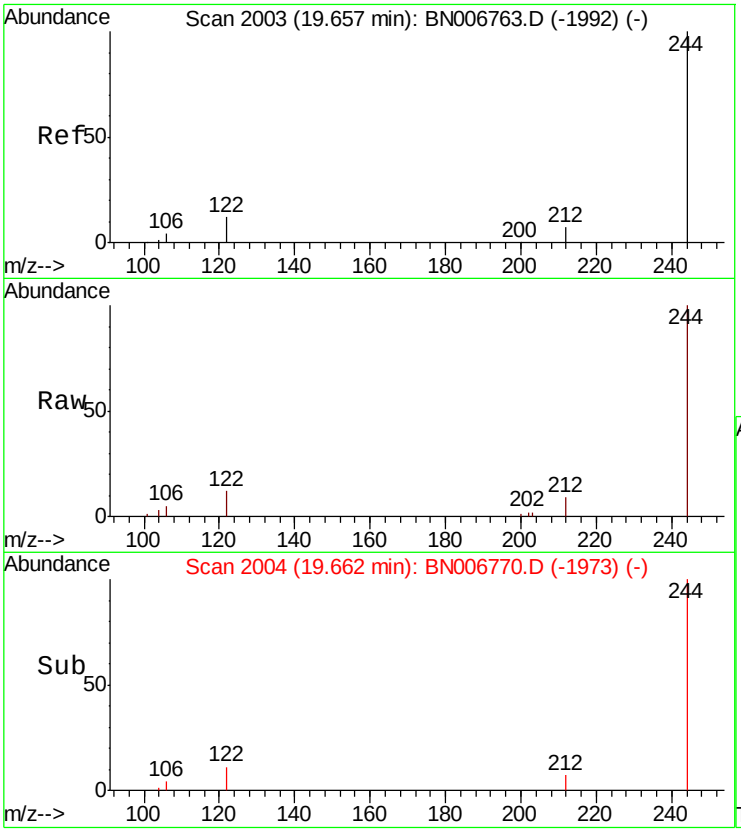


#28
Pyrene
Concen: 0.131 ng
RT: 19.46 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:202 Resp: 5196

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.6	14.0	21.0

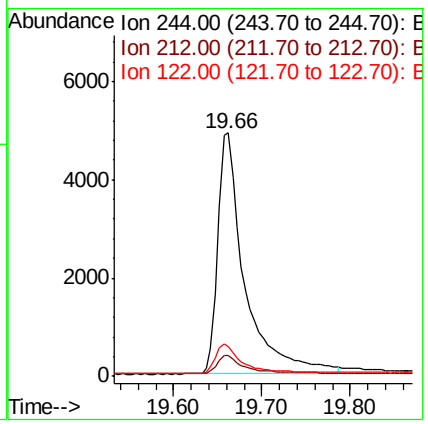




#29
Terphenyl-d14
Concen: 0.414 ng
RT: 19.66 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:244 Resp: 10416

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.3	9.5
122	12.3	10.3	15.5



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

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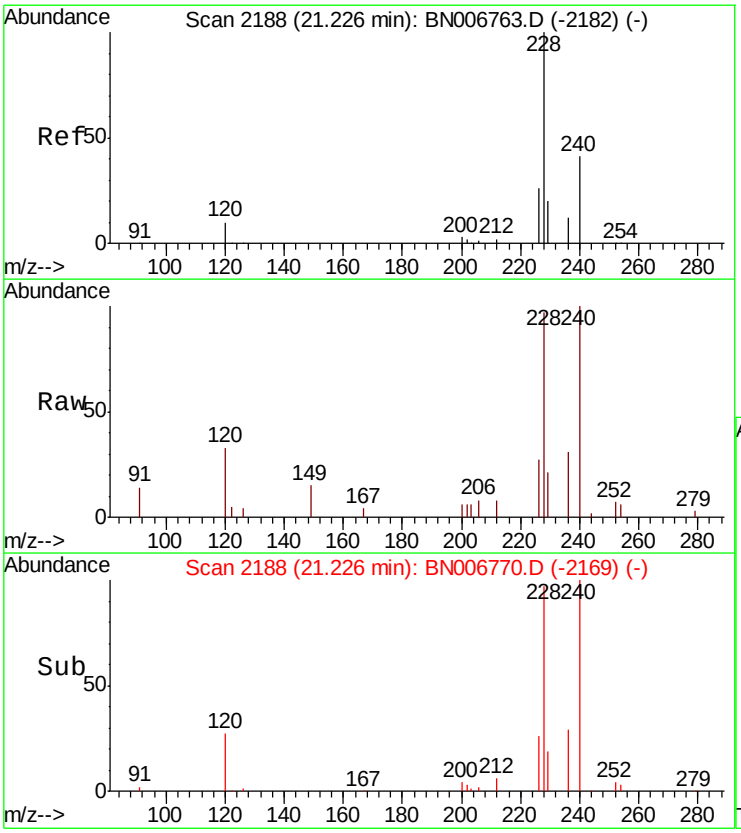
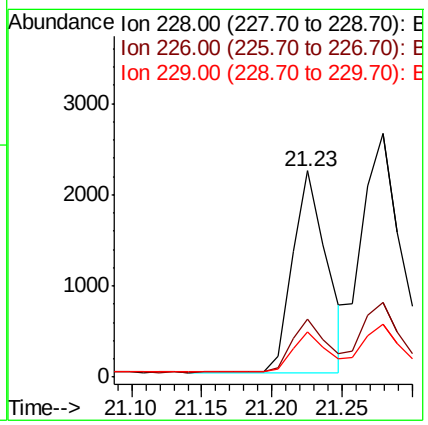
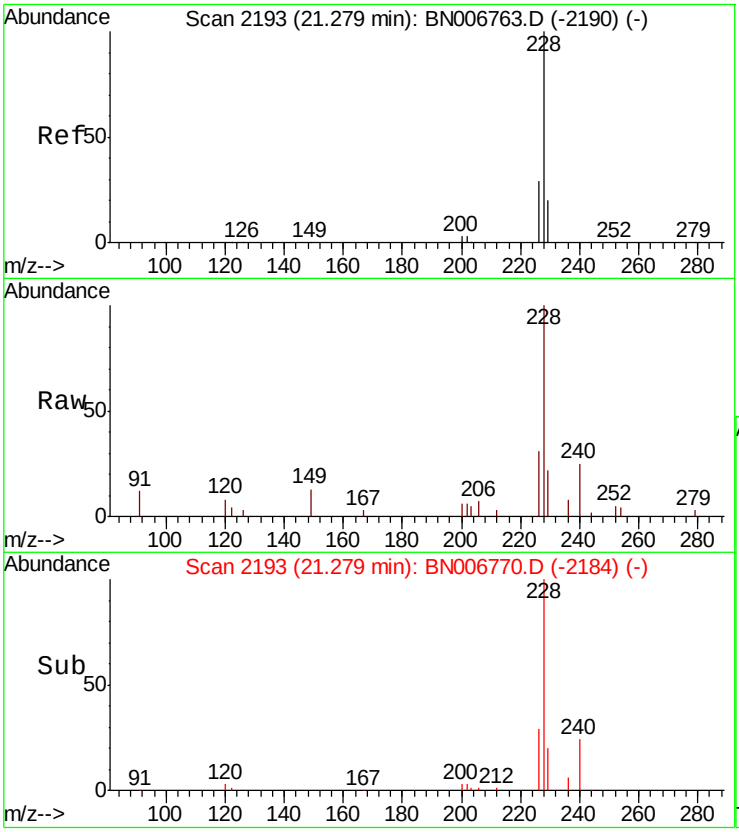


#30
Benzo(a)anthracene
Concen: 0.106 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:228 Resp: 3731

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.2	31.8
229	21.8	16.4	24.6

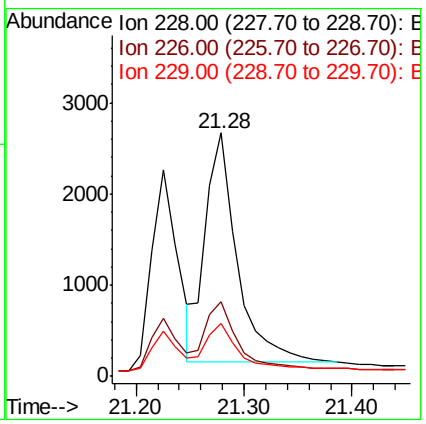




#31
Chrysene
Concen: 0.131 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:228 Resp: 5151

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.5	35.3
229	21.6	16.0	24.0



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

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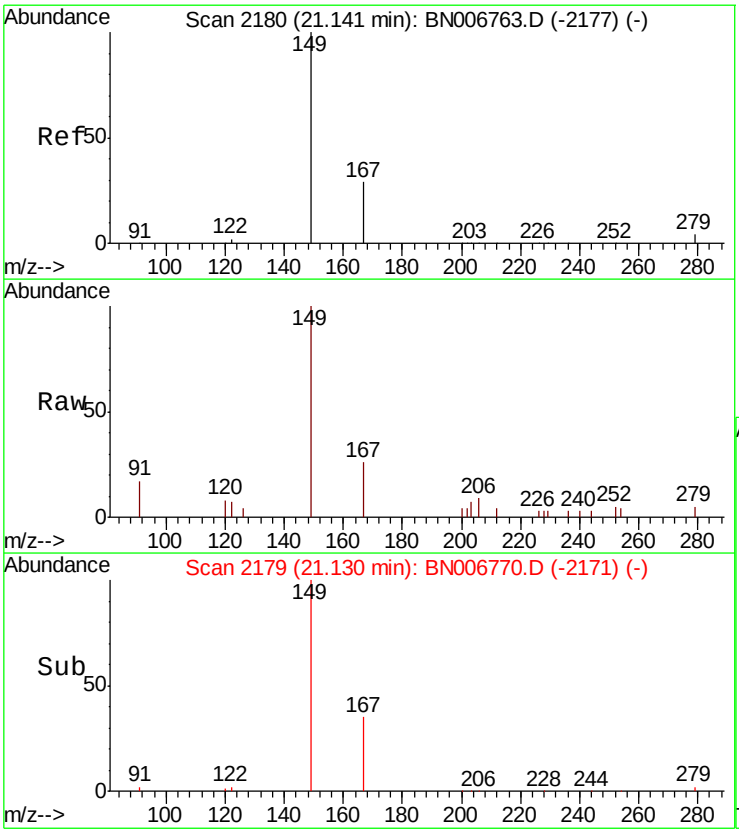
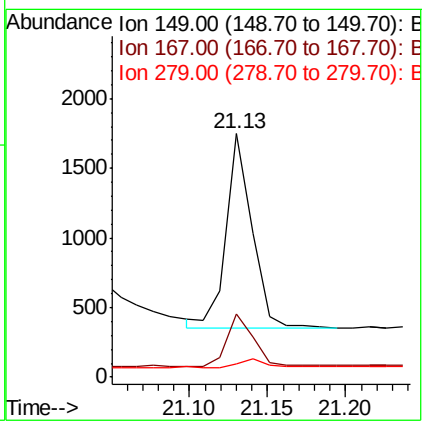
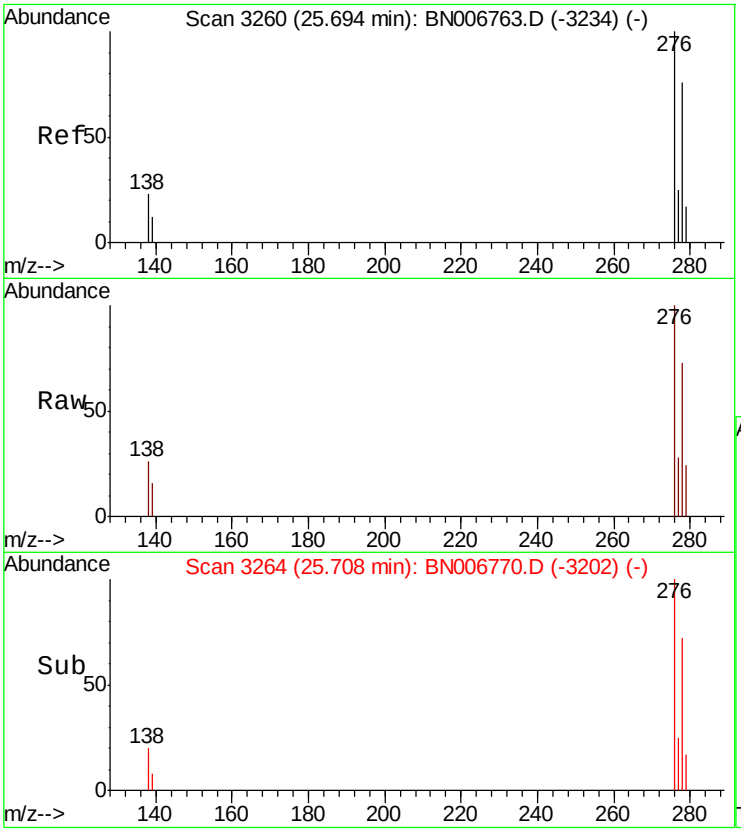


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 21.13 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:149 Resp: 1632

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.9	34.3
279	4.7	3.7	5.5

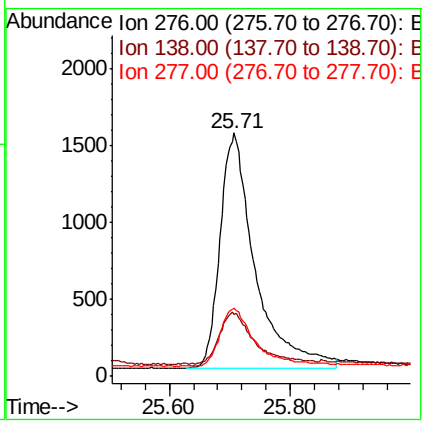




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.128 ng
RT: 25.71 min Scan# 3264
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:276 Resp: 6165

Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.9	26.9
277	24.0	19.8	29.8



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

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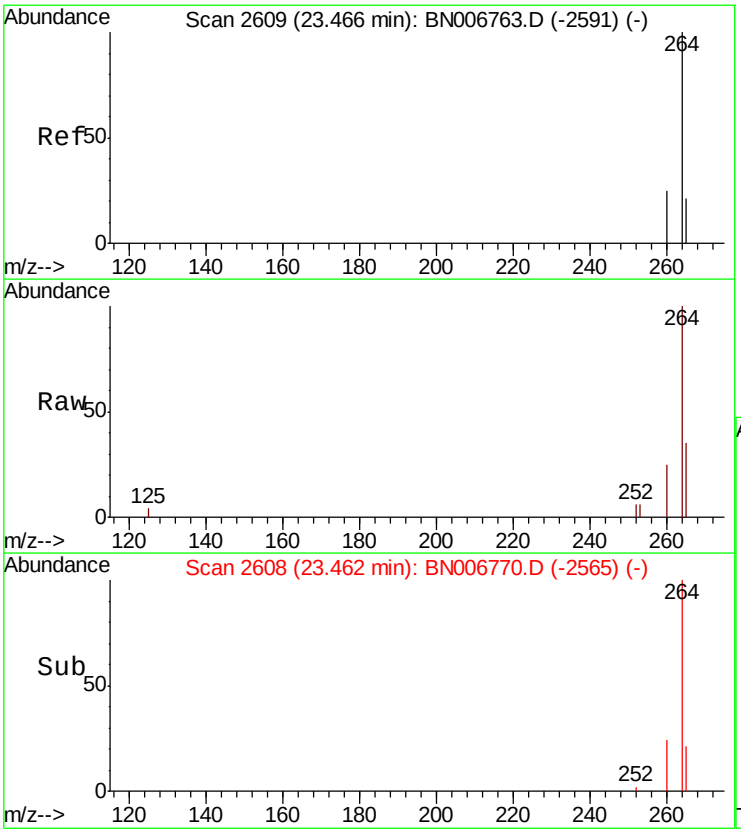
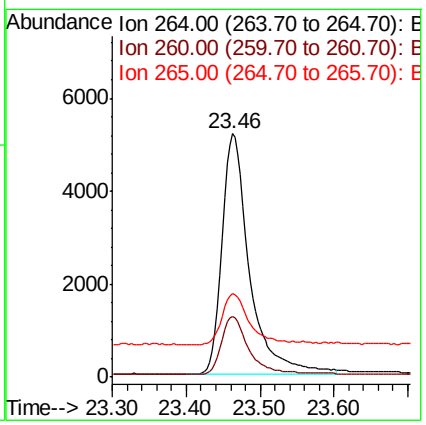
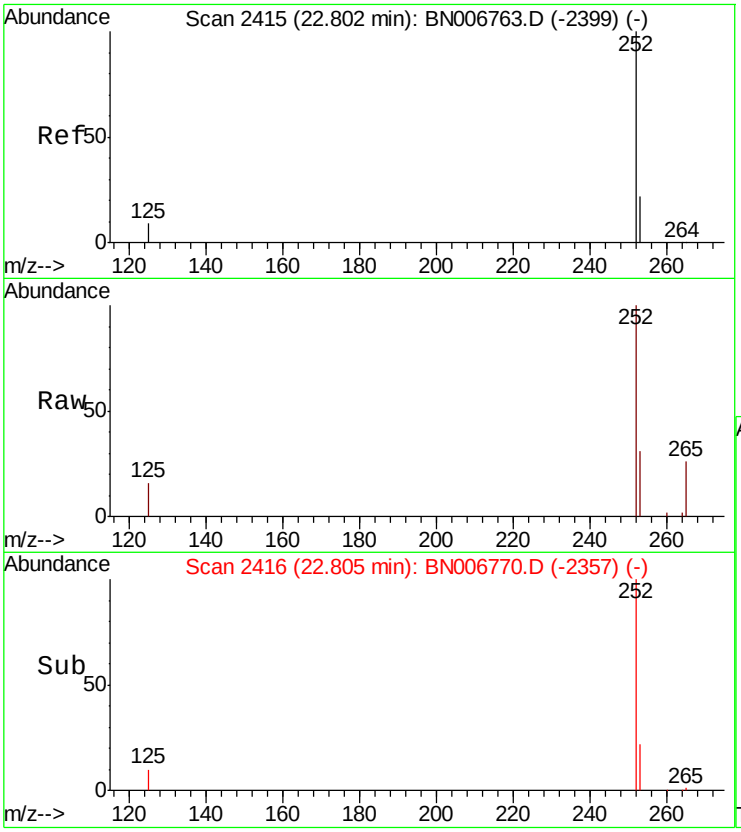


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2608
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:264 Resp: 13390

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	34.6	24.6	37.0





#35
Benzo(b)fluoranthene
Concen: 0.110 ng
RT: 22.80 min Scan# 2416
Delta R.T. 0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:252 Resp: 4625

Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.9	28.3#
125	15.7	8.5	12.7#

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

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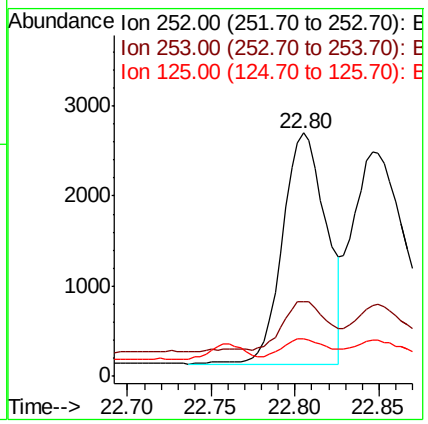
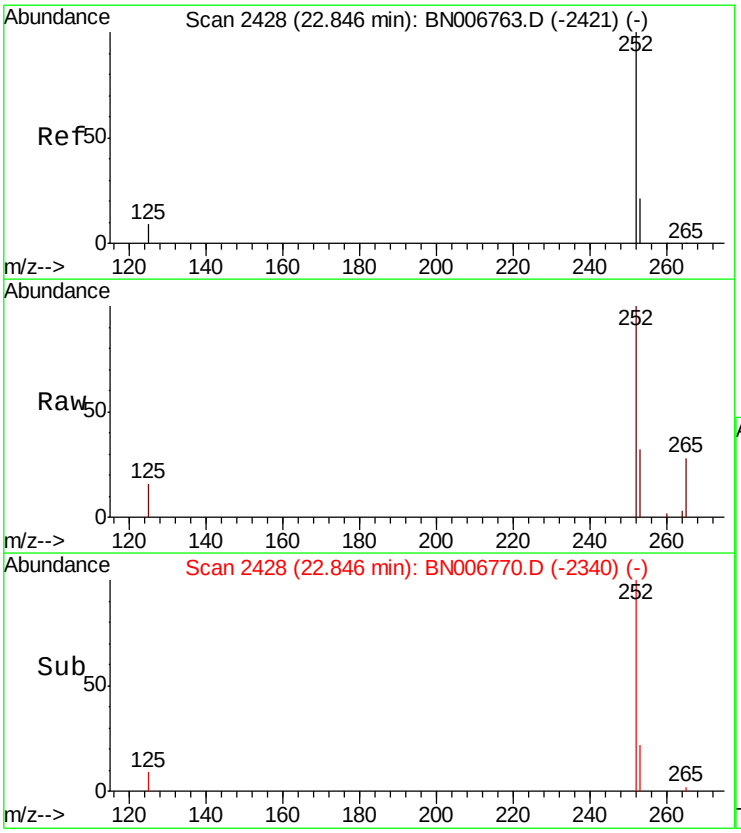
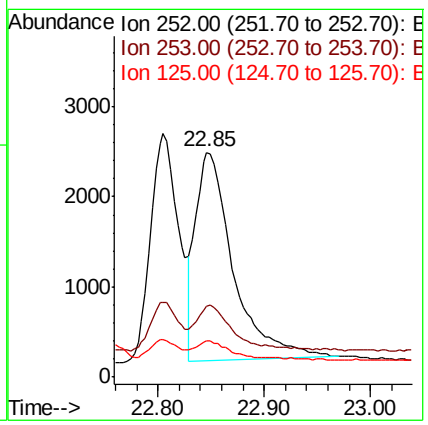


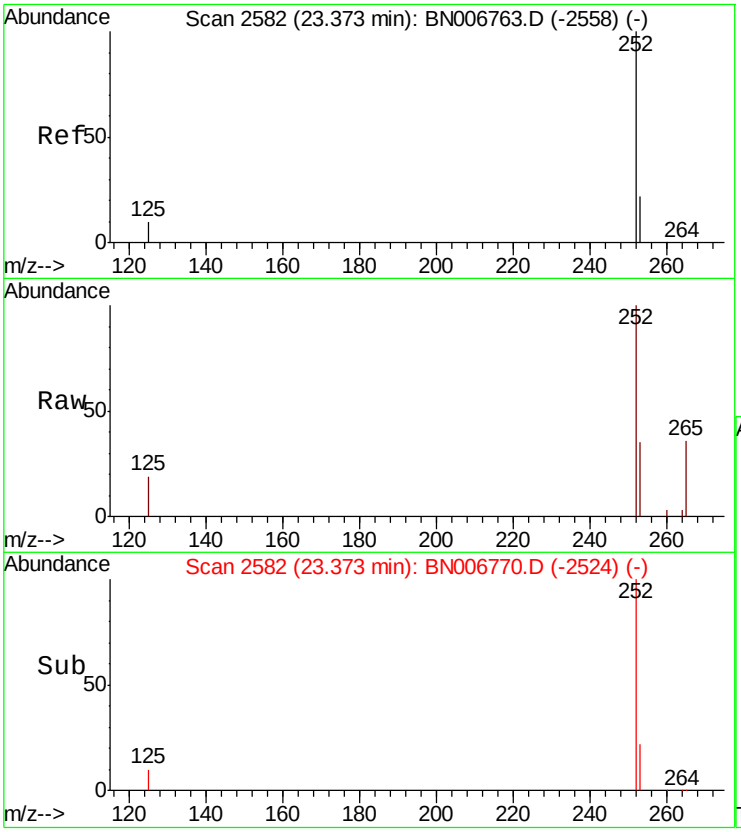


#36
Benzo(k)fluoranthene
Concen: 0.120 ng
RT: 22.85 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:252 Resp: 5655

Ion	Ratio	Lower	Upper
252	100		
253	31.6	18.9	28.3#
125	16.1	8.4	12.6#





#37
Benzo(a)pyrene
Concen: 0.125 ng
RT: 23.37 min Scan# 2582
Delta R.T. -0.00 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:252 Resp: 5114

Ion	Ratio	Lower	Upper
252	100		
253	35.2	19.5	29.3#
125	19.4	9.5	14.3#

Instrument :
BNA_N
ClientSampleId :
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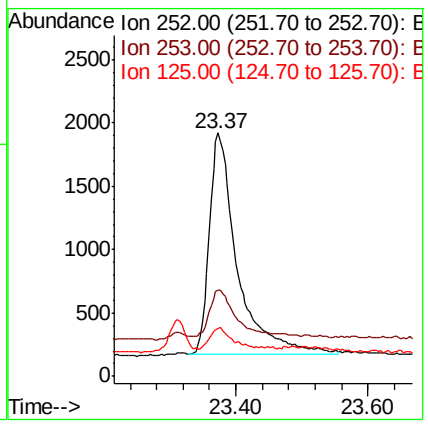
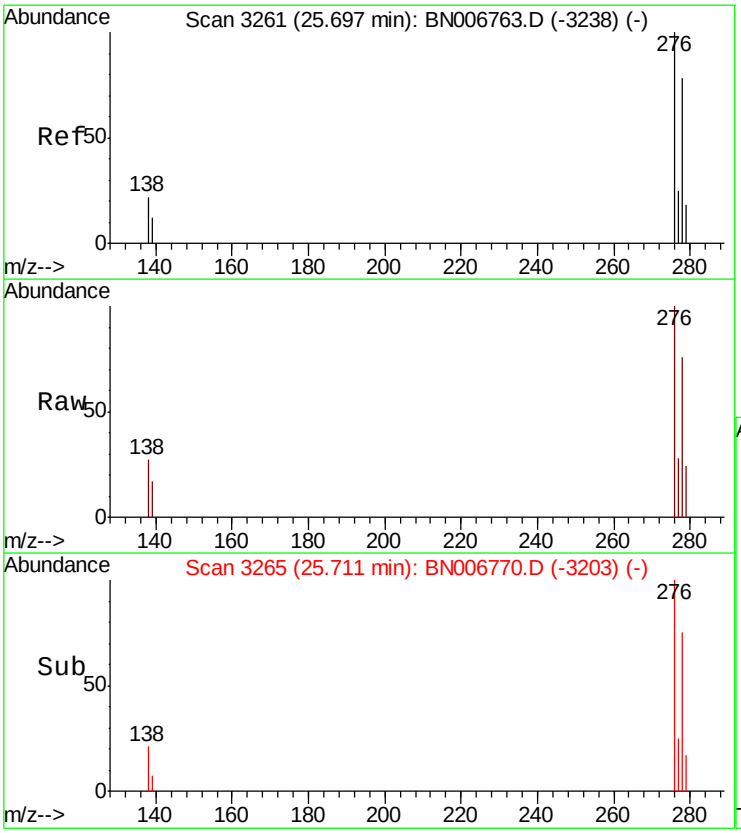
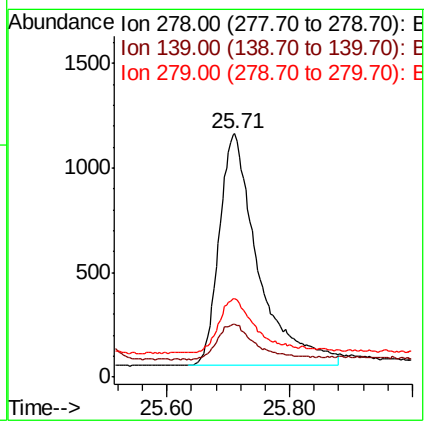


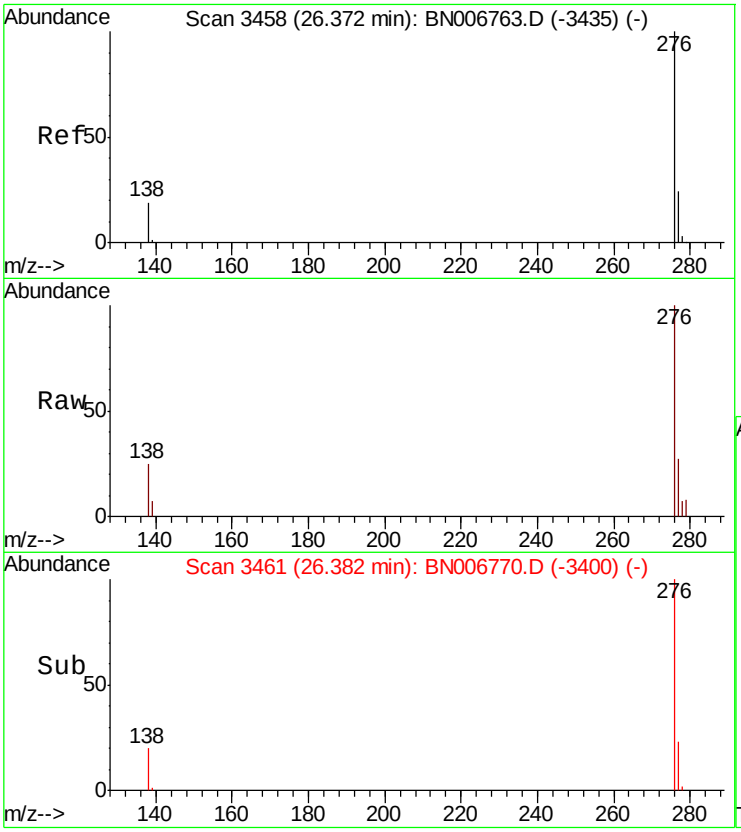


#38
Dibenzo(a,h)anthracene
Concen: 0.119 ng
RT: 25.71 min Scan# 3265
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:278 Resp: 4884

Ion	Ratio	Lower	Upper
278	100		
139	21.7	13.1	19.7#
279	32.0	20.2	30.4#

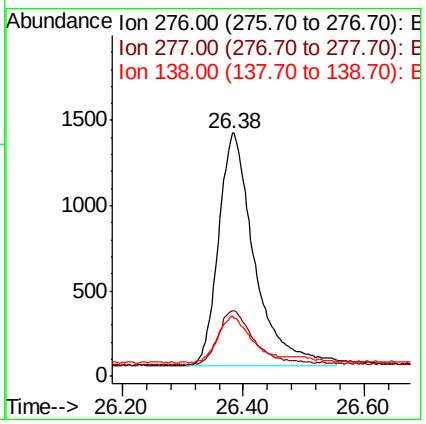




#39
Benzo(g,h,i)perylene
Concen: 0.132 ng
RT: 26.38 min Scan# 3461
Delta R.T. 0.01 min
Lab File: BN006770.D
Acq: 09 Jul 2019 17:06

Tgt Ion:276 Resp: 5668

Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.4	29.2
138	24.8	16.2	24.4#



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

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