Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
Data File : BN002196.D
Acq On : 30 Jul 2018 21:21
Operator : JU/SJ
Sample : J3762-07
Misc : LOD 0.1PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Manual Integrations APPROVED
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7/31/2018 3:37:18 PM

Quant Time: Jul 31 11:37:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 16:17:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	2956	0.40	ng		0.00
7) Naphthalene-d8	10.47	136	11652	0.40	ng		0.00
13) Acenaphthene-d10	14.32	164	5899	0.40	ng		0.00
19) Phenanthrene-d10	17.08	188	12156	0.40	ng		0.01
27) Chrysene-d12	21.27	240	10337	0.40	ng		0.00
34) Perylene-d12	23.50	264	10053	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.32	112	2380	0.35	ng		0.00
5) Phenol-d6	6.89	99	2513	0.30	ng		0.00
8) Nitrobenzene-d5	8.86	82	3033	0.35	ng		0.01
11) 2-Methylnaphthalene-d10	12.07	152	6284	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.84	330	655	0.26	ng		0.01
15) 2-Fluorobiphenyl	12.95	172	8844	0.39	ng		0.01
25) Fluoranthene-d10	19.11	212	11367	0.38	ng		0.00
29) Terphenyl-d14	19.71	244	7719	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	360	0.108	ng	#	84
3) n-Nitrosodimethylamine	3.65	42	100m	0.148	ng		
6) bis(2-Chloroethyl)ether	7.14	93	626	0.078	ng		94
9) Naphthalene	10.52	128	2537	0.097	ng	#	88
10) Hexachlorobutadiene	10.80	225	548	0.096	ng	#	56
12) 2-Methylnaphthalene	12.14	142	1541	0.087	ng		97
16) Acenaphthylene	14.04	152	2161	0.086	ng		99
17) Acenaphthene	14.39	154	1467	0.090	ng		96
18) Fluorene	15.38	166	1744	0.087	ng	#	80
20) 4-Bromophenyl-phenylether	16.27	248	573	0.083	ng	#	77
21) Hexachlorobenzene	16.39	284	737	0.097	ng		95
22) Pentachlorophenol	16.77	266	75	0.133	ng	#	70
23) Phenanthrene	17.12	178	2658	0.088	ng		98
24) Anthracene	17.22	178	1919	0.077	ng		95
26) Fluoranthene	19.14	202	2829	0.086	ng		98
28) Pyrene	19.50	202	2892	0.095	ng		100
30) Benzo(a)anthracene	21.26	228	2269	0.087	ng		98
31) Chrysene	21.31	228	2952	0.101	ng		98
32) Bis(2-ethylhexyl)phthalate	21.18	149	1094	0.092	ng	#	93
33) Indeno(1,2,3-cd)pyrene	25.74	276	2921	0.107	ng	#	91
35) Benzo(b)fluoranthene	22.84	252	2713	0.092	ng	#	91
36) Benzo(k)fluoranthene	22.88	252	2881	0.094	ng	#	76
37) Benzo(a)pyrene	23.41	252	2412	0.090	ng	#	69
38) Dibenzo(a,h)anthracene	25.76	278	2431	0.093	ng	#	89
39) Benzo(g,h,i)perylene	26.41	276	2573	0.097	ng	#	89

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

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Acq On : 30 Jul 2018 21:21
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Quant Time: Jul 31 11:37:55 2018
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QLast Update : Mon Jul 30 16:17:29 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Manual Integrations APPROVED
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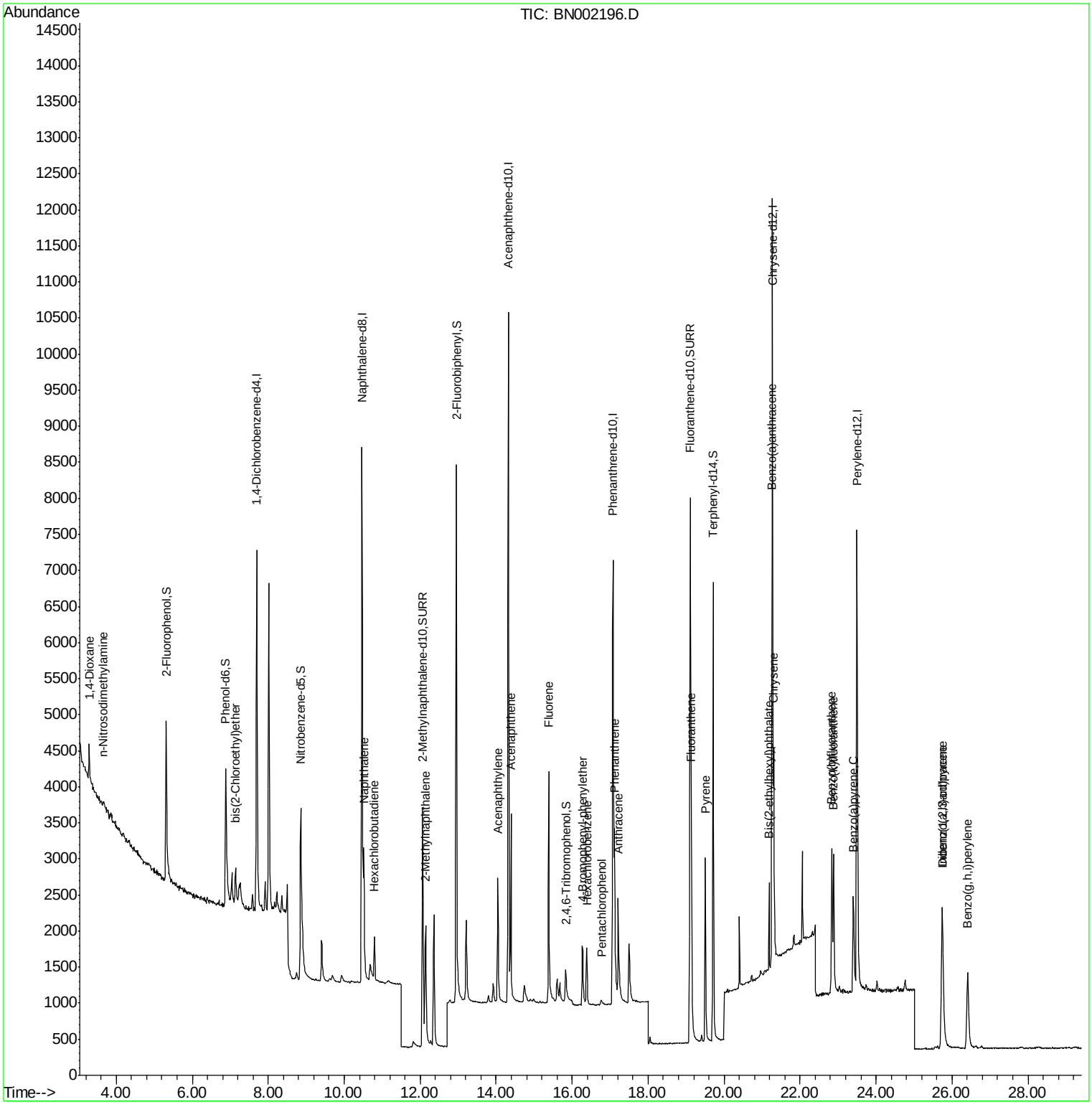
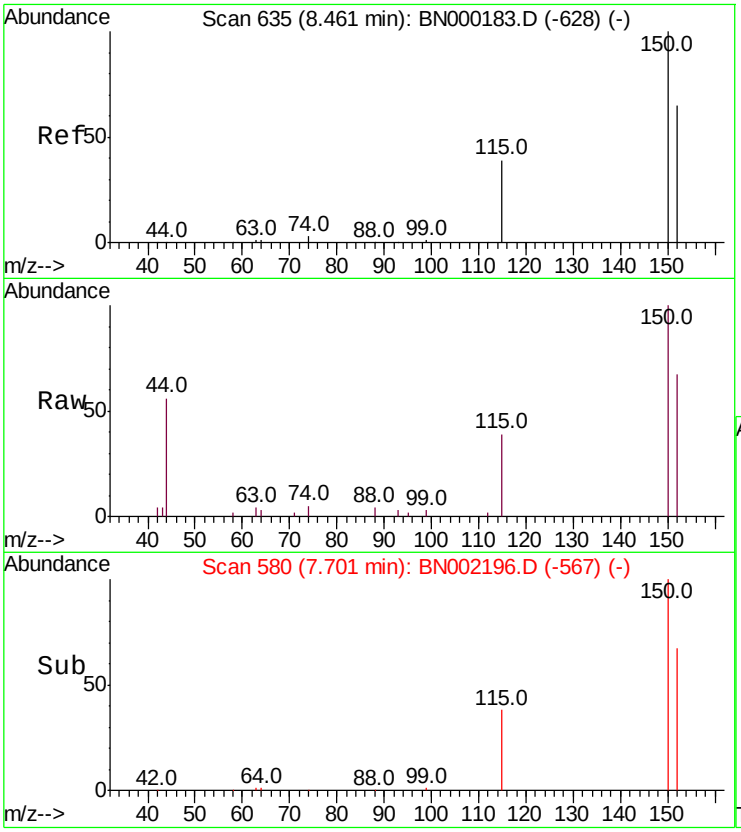
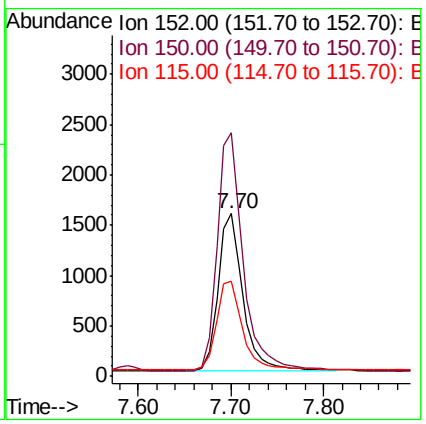




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:152 Resp: 2956

Ion	Ratio	Lower	Upper
152	100		
150	149.5	117.2	175.8
115	58.8	57.0	85.6



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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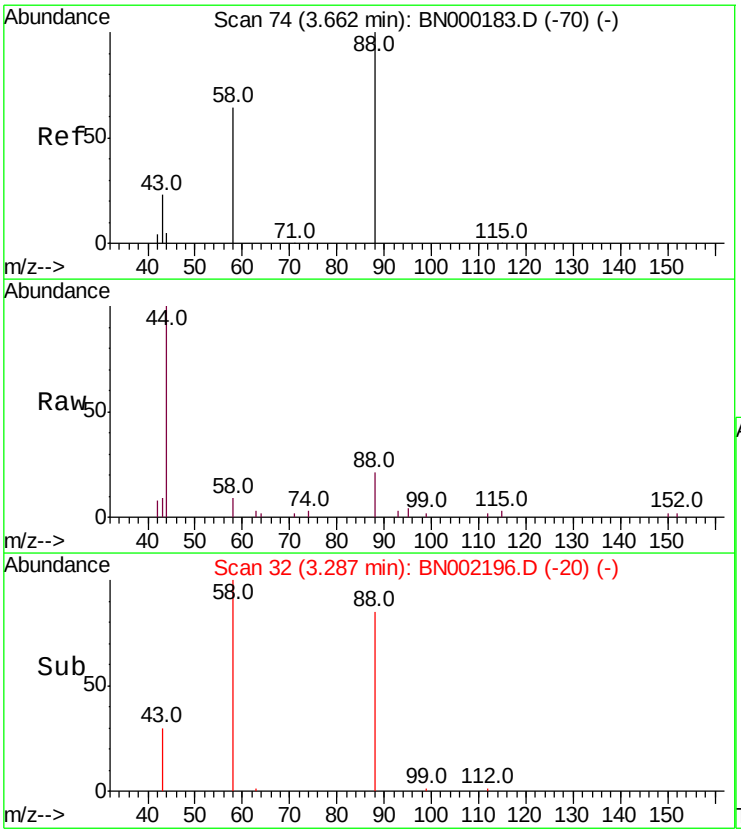
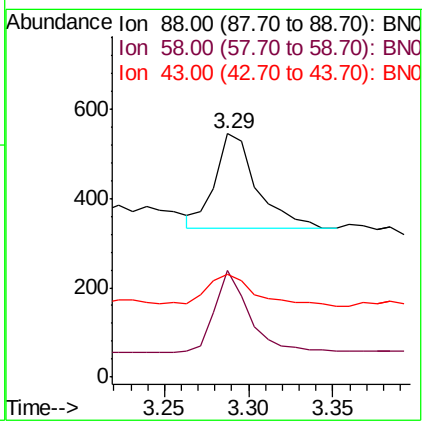
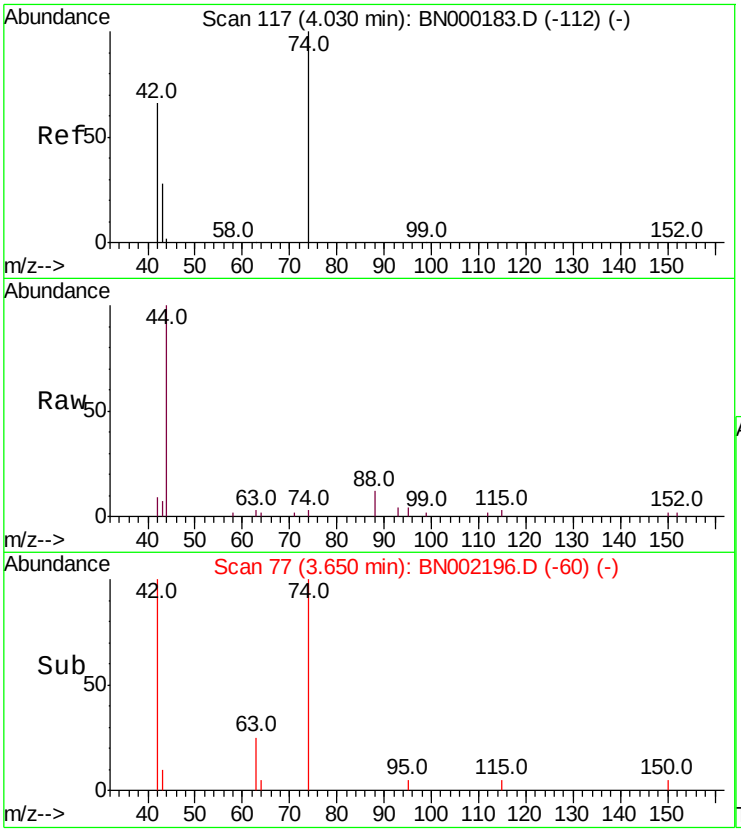


#2
1,4-Dioxane
Concen: 0.108 ng
RT: 3.29 min Scan# 32
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion: 88 Resp: 360

Ion	Ratio	Lower	Upper
88	100		
58	73.9	72.0	108.0
43	42.5	28.0	42.0#





#3
n-Nitrosodimethylamine
Concen: 0.148 ng m
RT: 3.65 min Scan# 77
Delta R.T. 0.04 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion: 42 Resp: 100

Ion	Ratio	Lower	Upper
42	100		
74	0.0	88.0	132.0#
44	0.0	16.0	24.0#

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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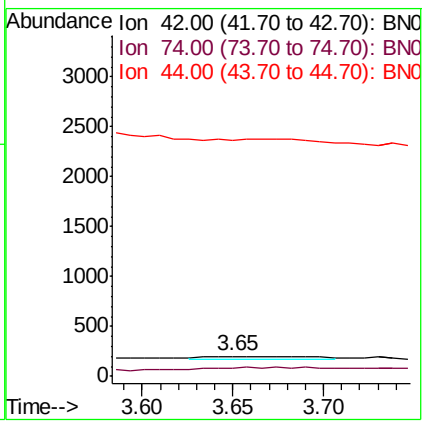
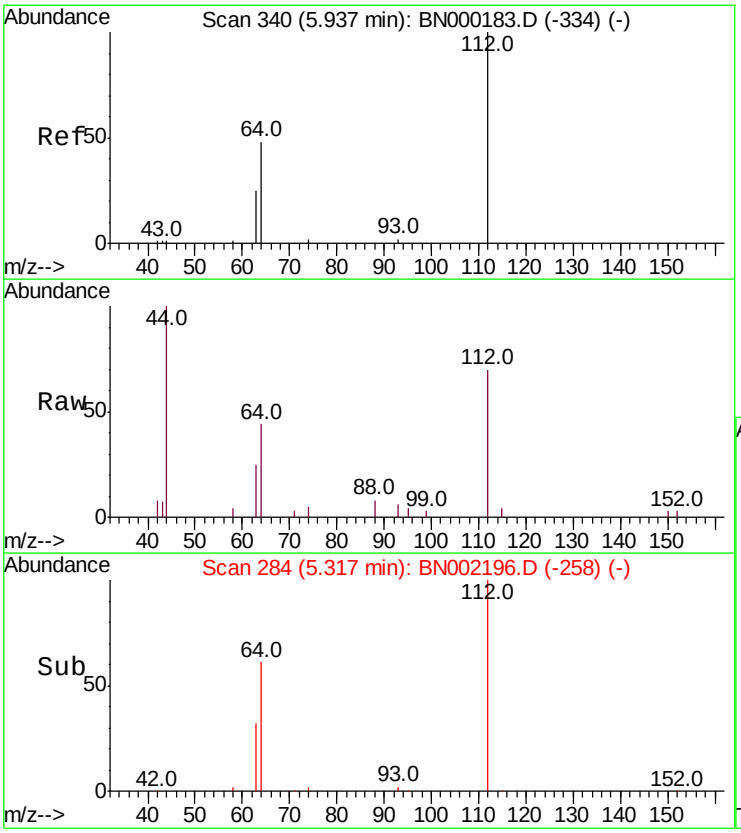
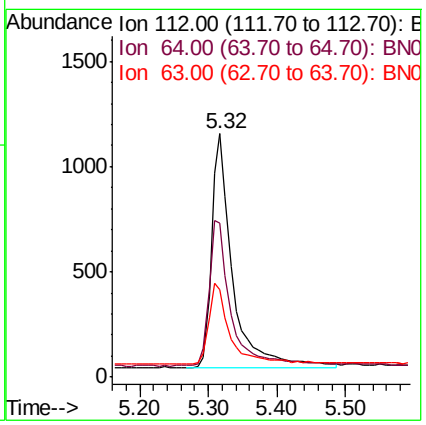


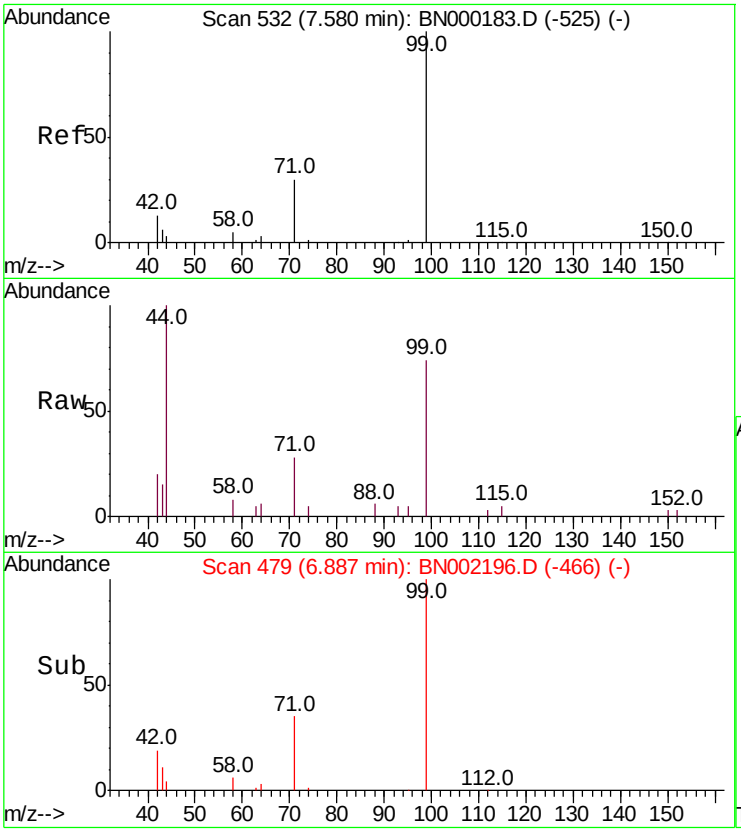


#4
2-Fluorophenol
Concen: 0.345 ng
RT: 5.32 min Scan# 284
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:112 Resp: 2380

Ion	Ratio	Lower	Upper
112	100		
64	63.9	60.1	90.1
63	35.0	116.8	175.2#

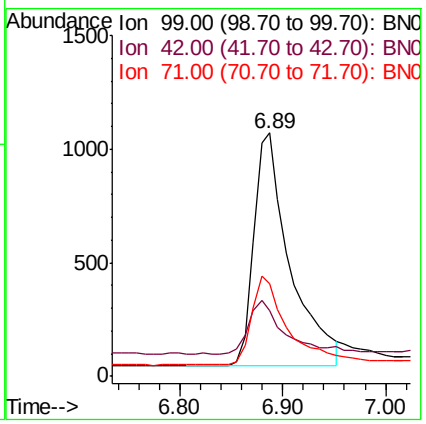




#5
Phenol-d6
Concen: 0.300 ng
RT: 6.89 min Scan# 479
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion: 99 Resp: 2513

Ion	Ratio	Lower	Upper
99	100		
42	22.8	20.2	30.2
71	37.7	28.4	42.6



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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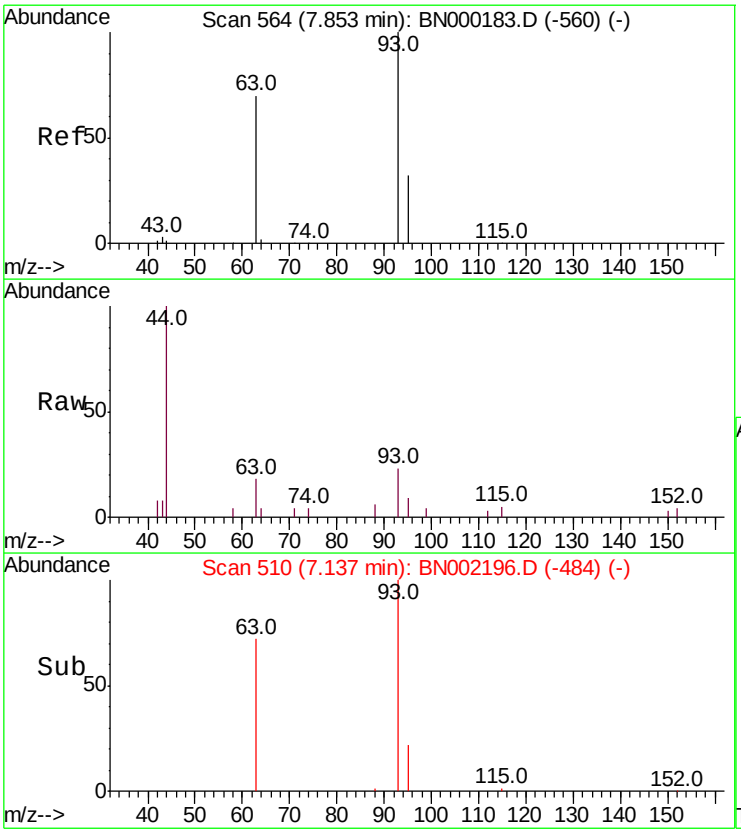
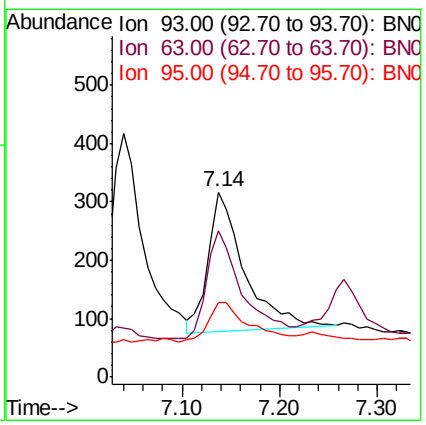
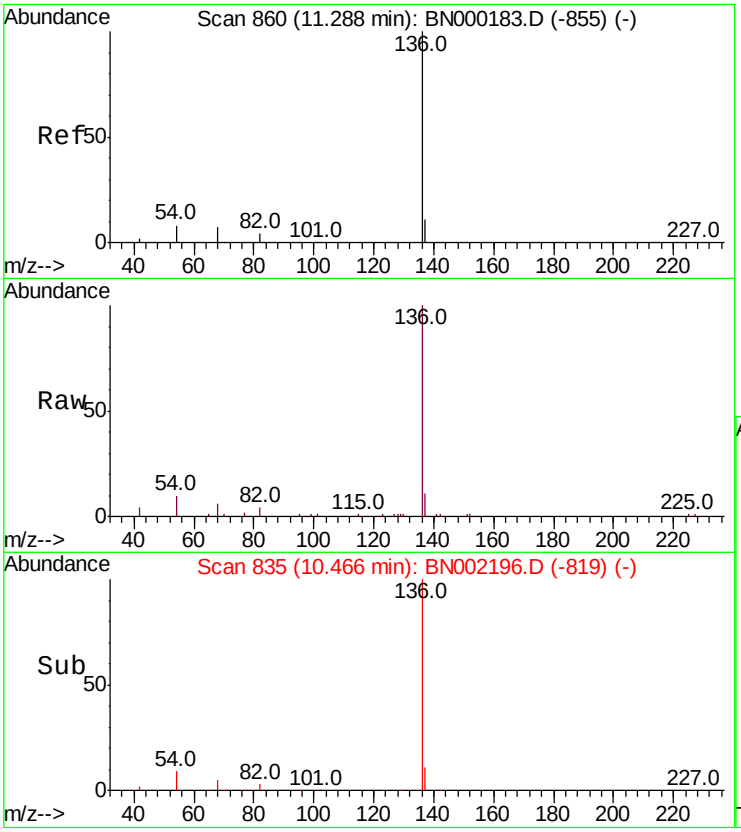


#6
bis(2-Chloroethyl)ether
Concen: 0.078 ng
RT: 7.14 min Scan# 510
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion: 93 Resp: 626

Ion	Ratio	Lower	Upper
93	100		
63	76.8	56.0	84.0
95	31.3	25.2	37.8

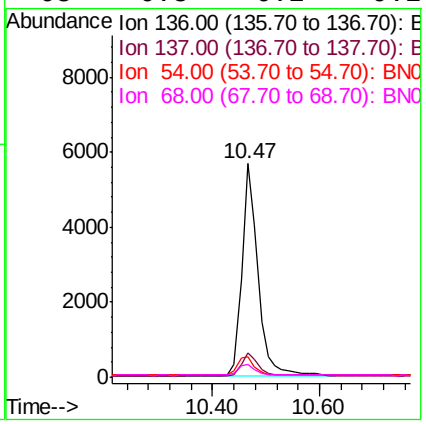




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 835
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:136 Resp: 11652

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	9.8	29.1	43.7#
68	6.3	6.2	9.2



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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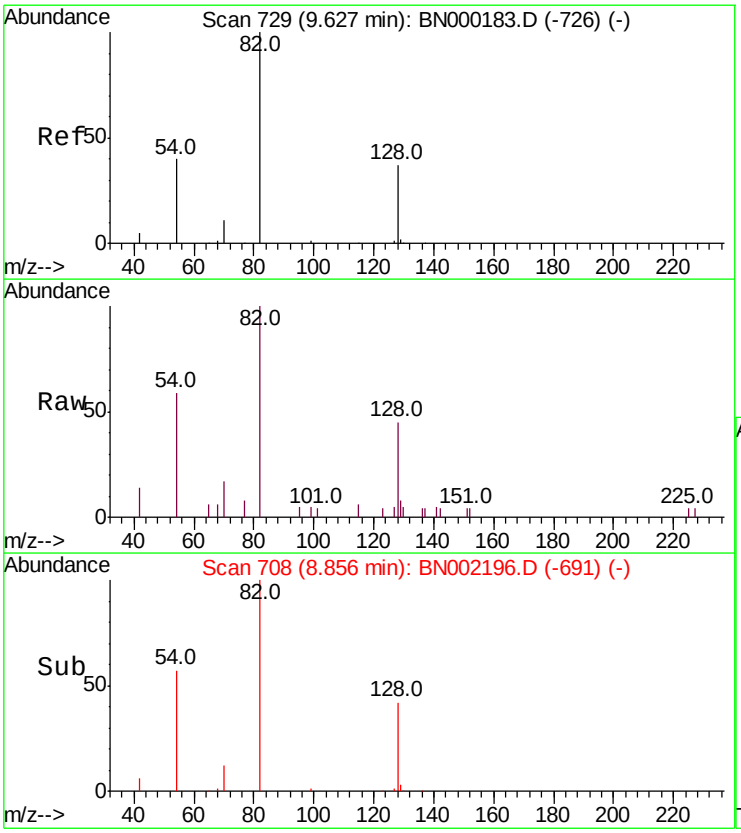
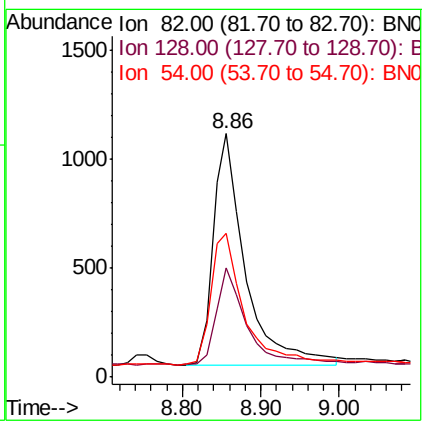
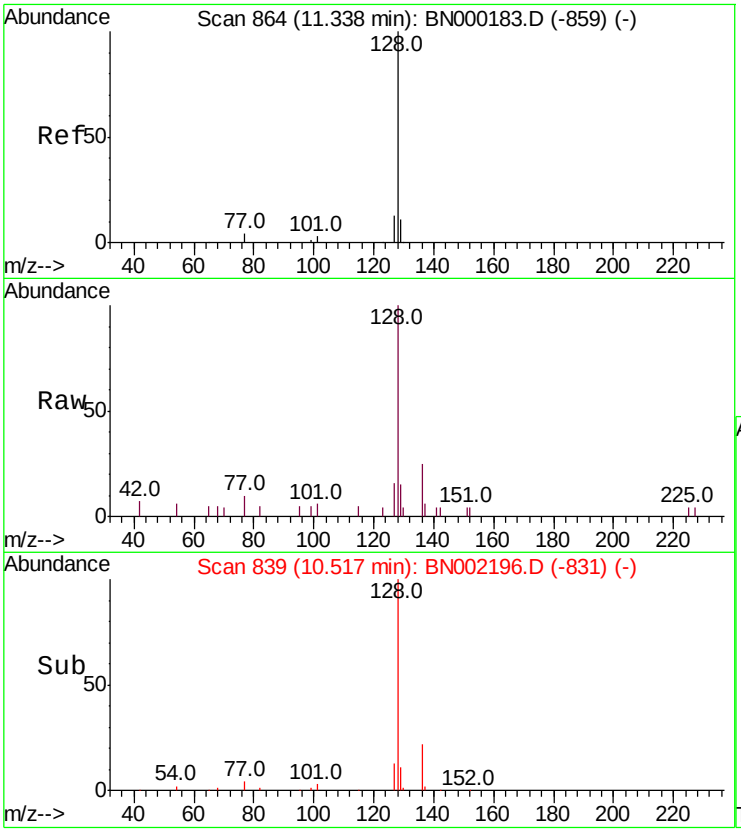


#8
Nitrobenzene-d5
Concen: 0.346 ng
RT: 8.86 min Scan# 708
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion: 82 Resp: 3033

Ion	Ratio	Lower	Upper
82	100		
128	44.9	150.0	225.0#
54	59.3	154.2	231.4#

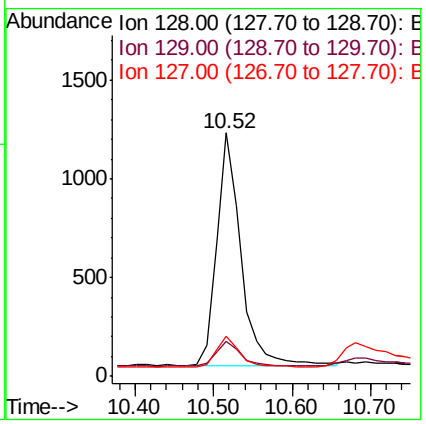




#9
Naphthalene
Concen: 0.097 ng
RT: 10.52 min Scan# 839
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:128 Resp: 2537

Ion	Ratio	Lower	Upper
128	100		
129	14.6	8.0	12.0#
127	16.2	9.6	14.4#



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ClientSampleId :
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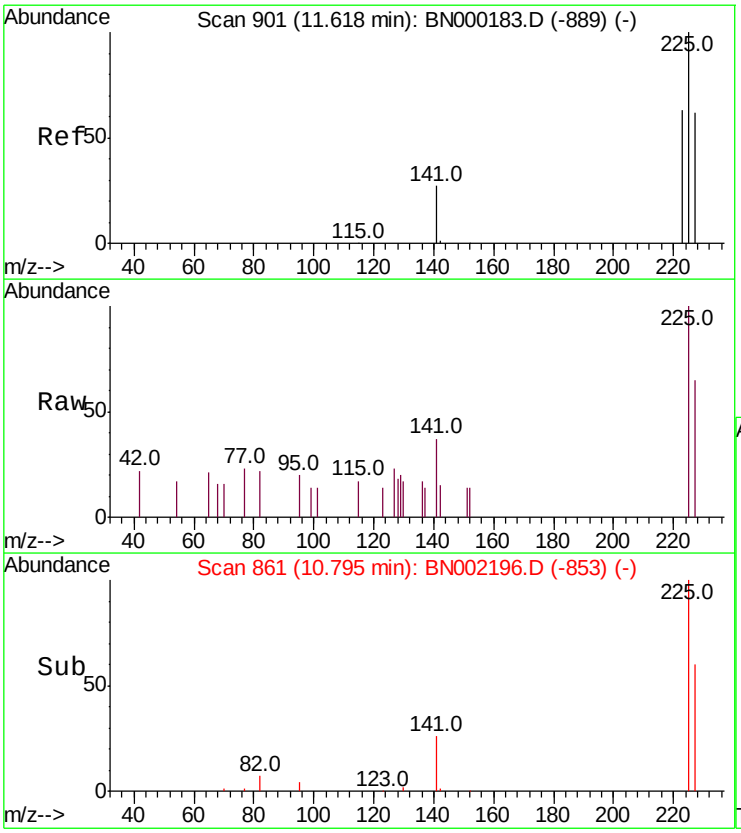
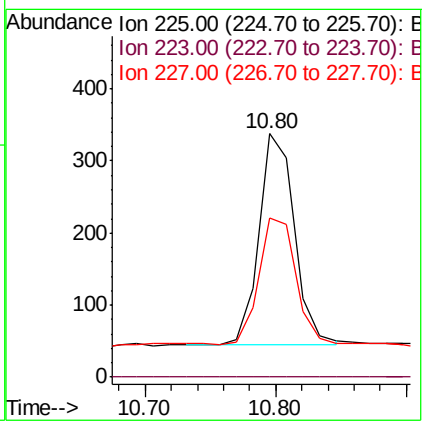
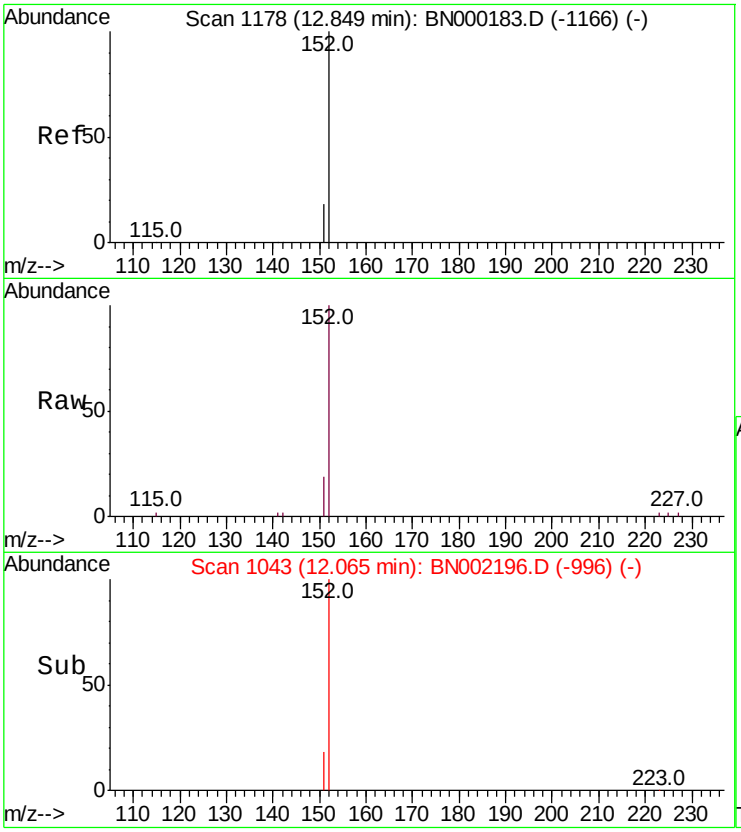


#10
Hexachlorobutadiene
Concen: 0.096 ng
RT: 10.80 min Scan# 861
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:225 Resp: 548

Ion	Ratio	Lower	Upper
225	100		
223	0.0	52.0	78.0#
227	62.0	48.0	72.0





#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.07 min Scan# 1043
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:152 Resp: 6284

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.0

Instrument :
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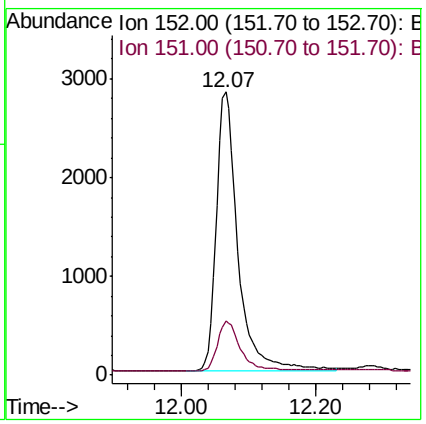
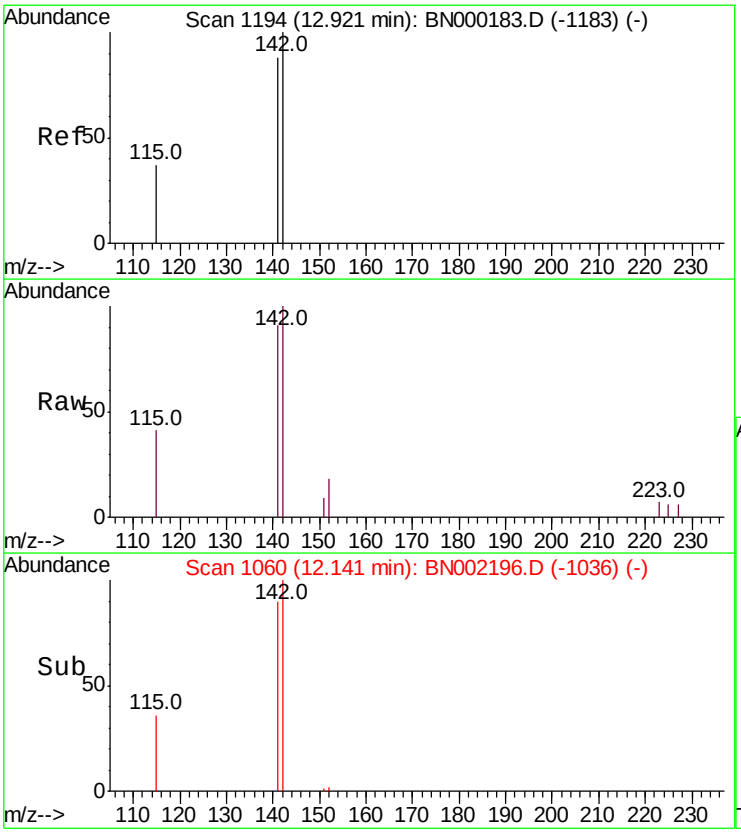
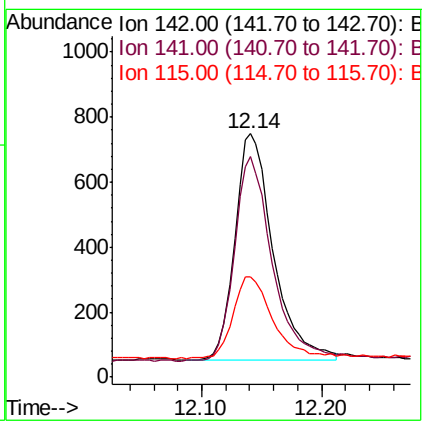


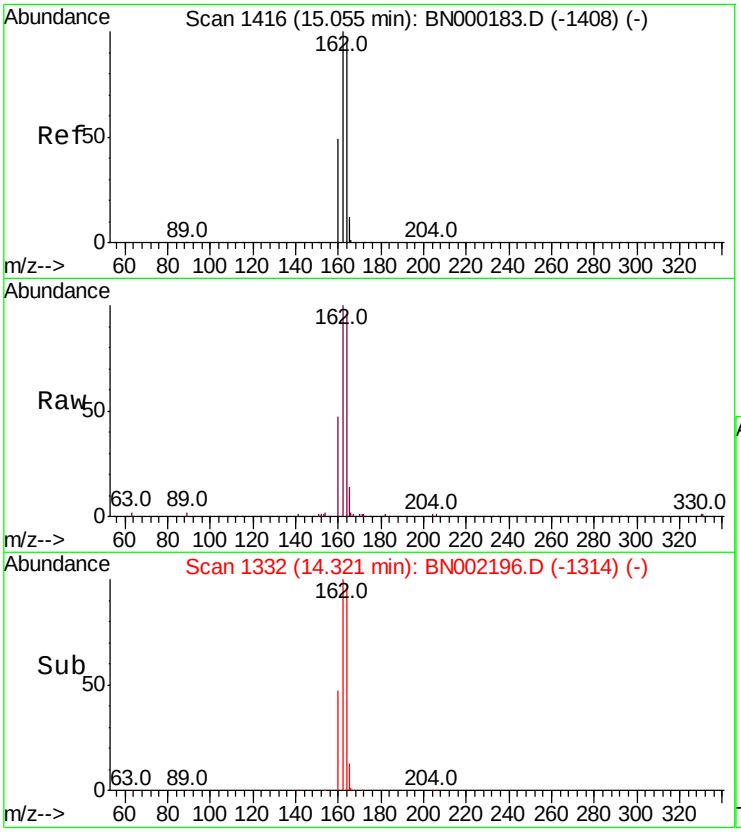


#12
2-Methylnaphthalene
Concen: 0.087 ng
RT: 12.14 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:142 Resp: 1541

Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.4	105.6
115	41.1	31.7	47.5





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:164 Resp: 5899

Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.1	124.7
160	49.3	37.1	55.7

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Manual Integrations APPROVED
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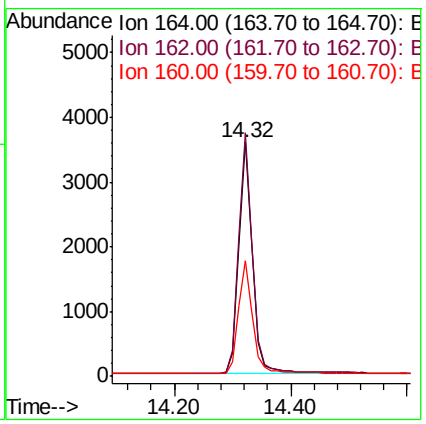
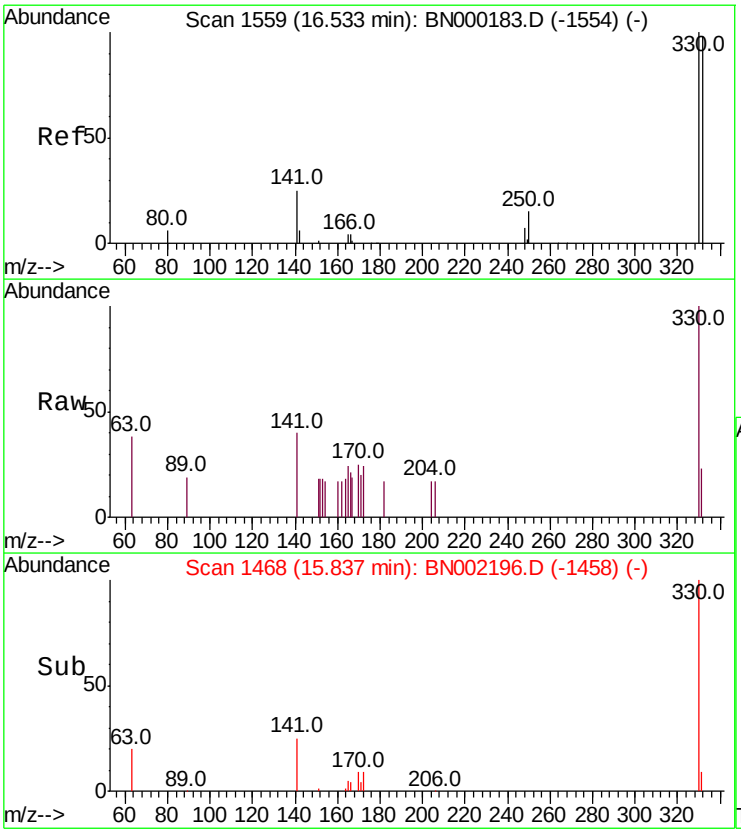
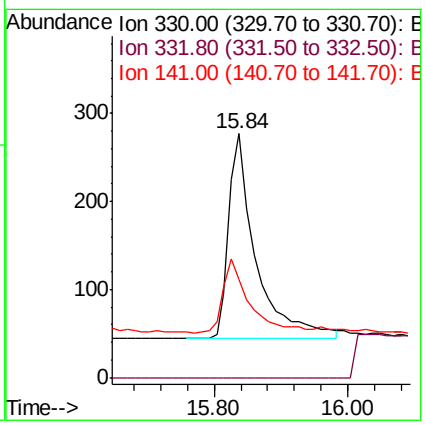


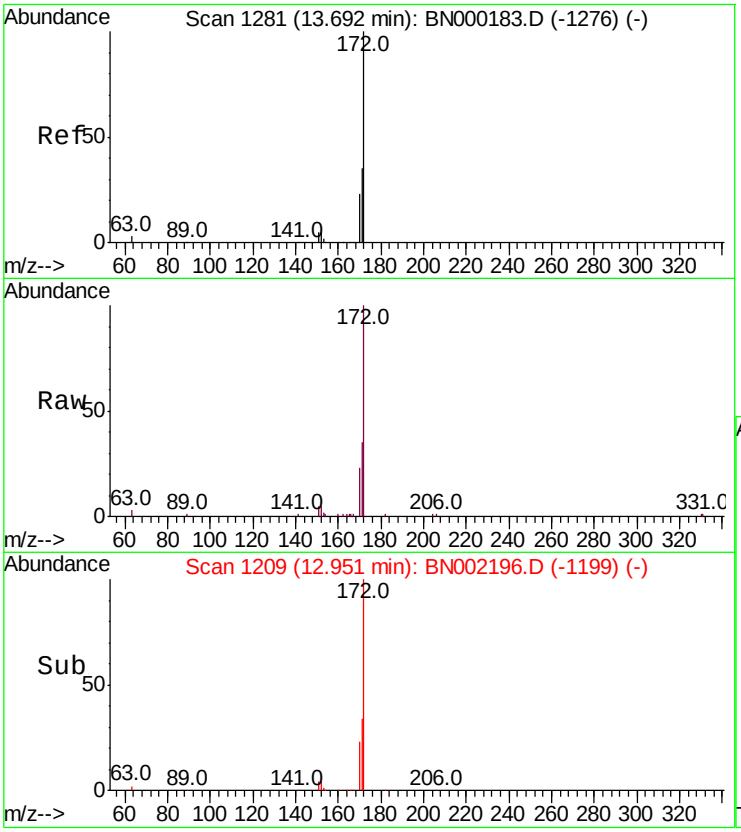


#14
2,4,6-Tribromophenol
Concen: 0.260 ng
RT: 15.84 min Scan# 1468
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:330 Resp: 655

Ion	Ratio	Lower	Upper
330	100		
332	0.0	152.7	229.1#
141	34.2	33.7	50.5





#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.95 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:172 Resp: 8844

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.9	44.9
170	23.3	21.8	32.8

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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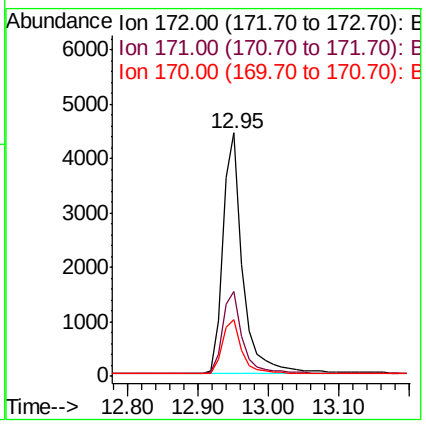
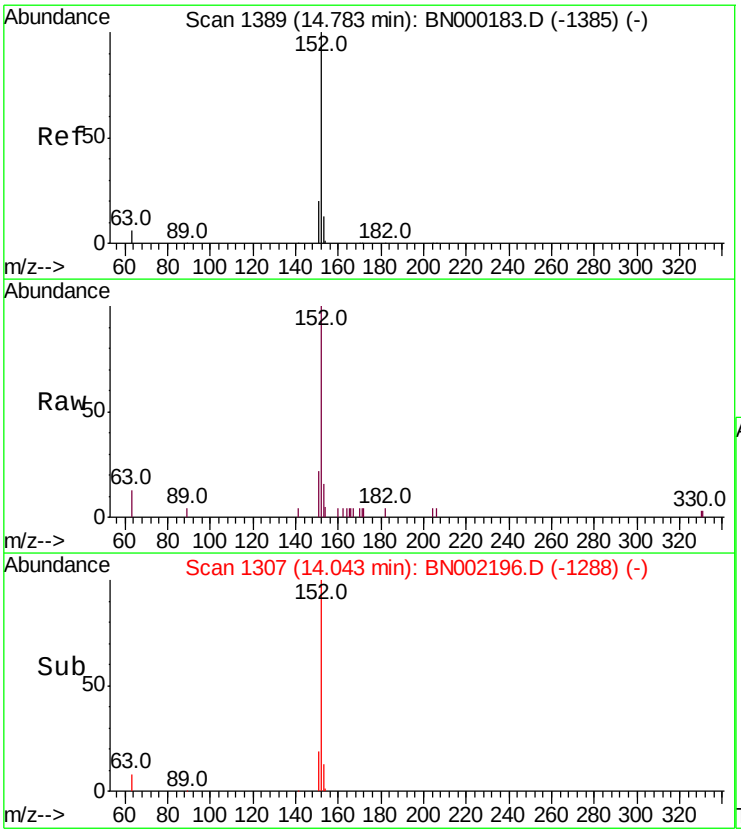
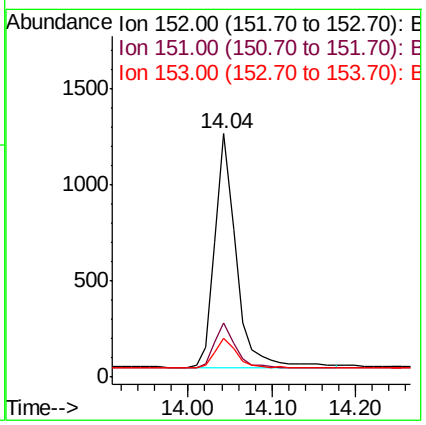


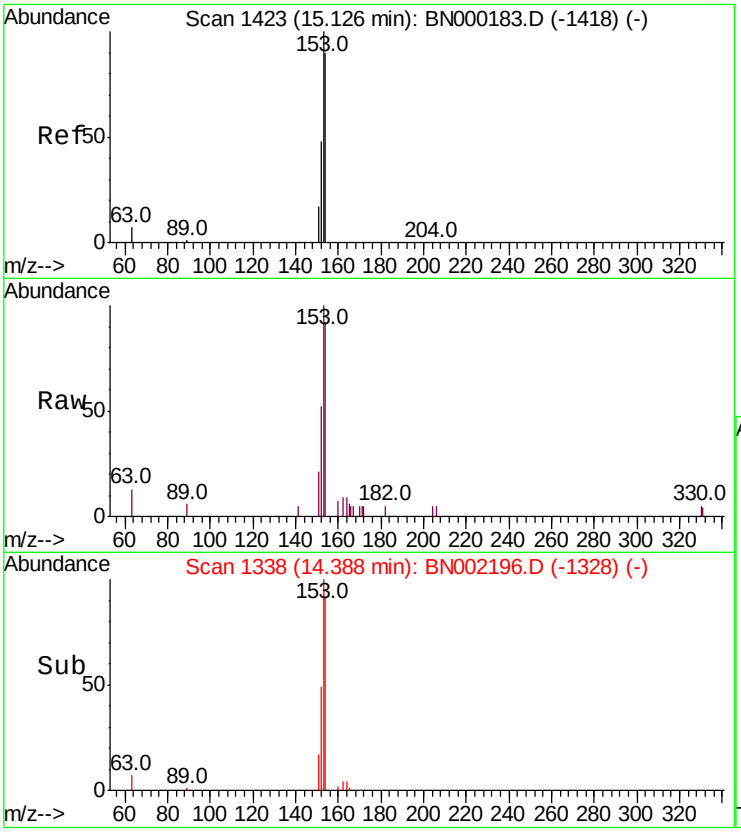


#16
Acenaphthylene
Concen: 0.086 ng
RT: 14.04 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:152 Resp: 2161

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.5	15.7

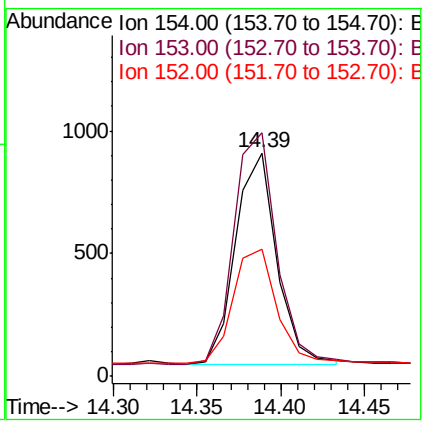




#17
Acenaphthene
Concen: 0.090 ng
RT: 14.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:154 Resp: 1467

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.2	133.8
152	57.7	42.0	63.0



Instrument :
BNA_N
ClientSampleId :
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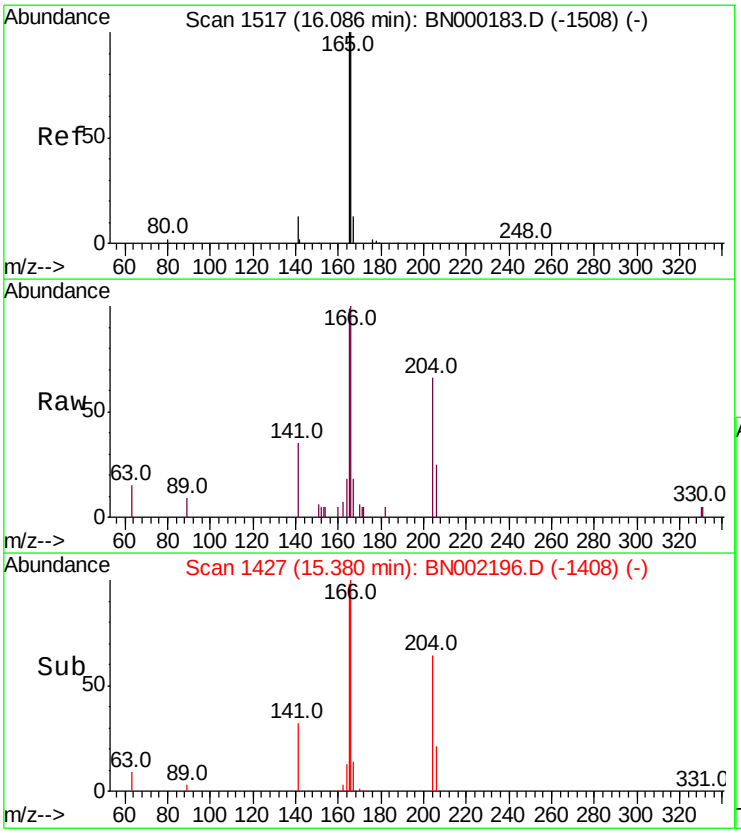
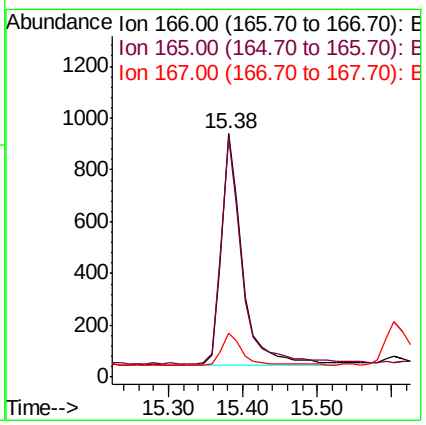
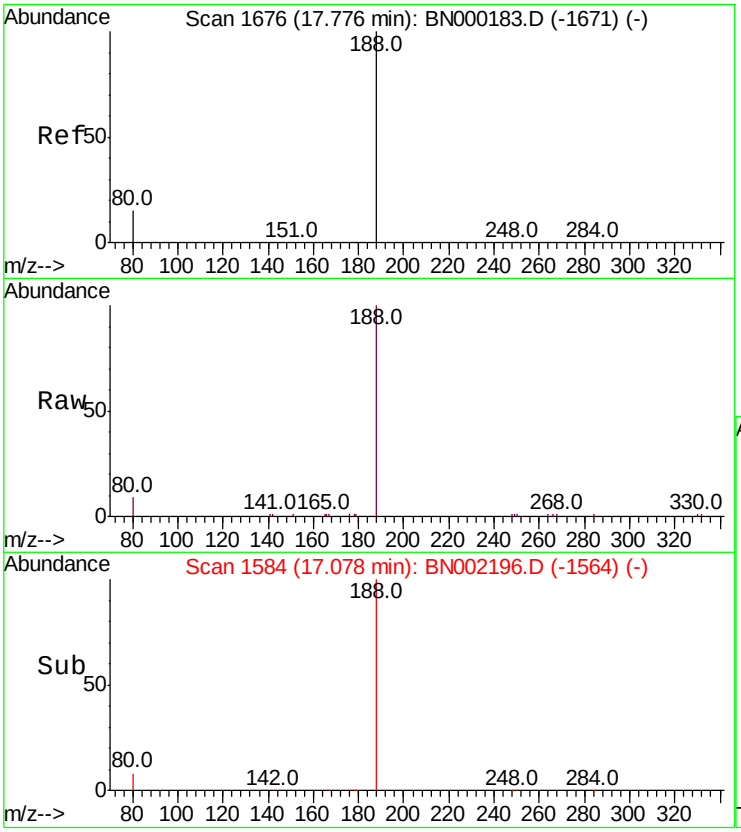


#18
Fluorene
Concen: 0.087 ng
RT: 15.38 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:166 Resp: 1744

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	13.7	42.4	63.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:188 Resp: 12156

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.6	3.6	5.4#

Instrument :
BNA_N
ClientSampleId :
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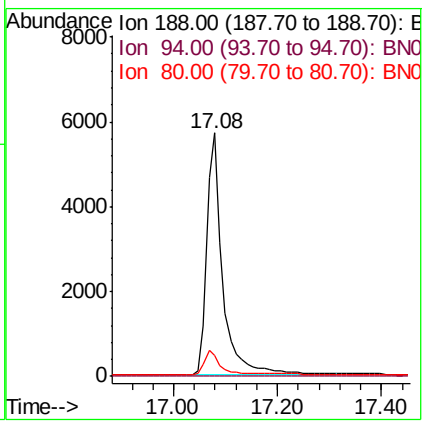
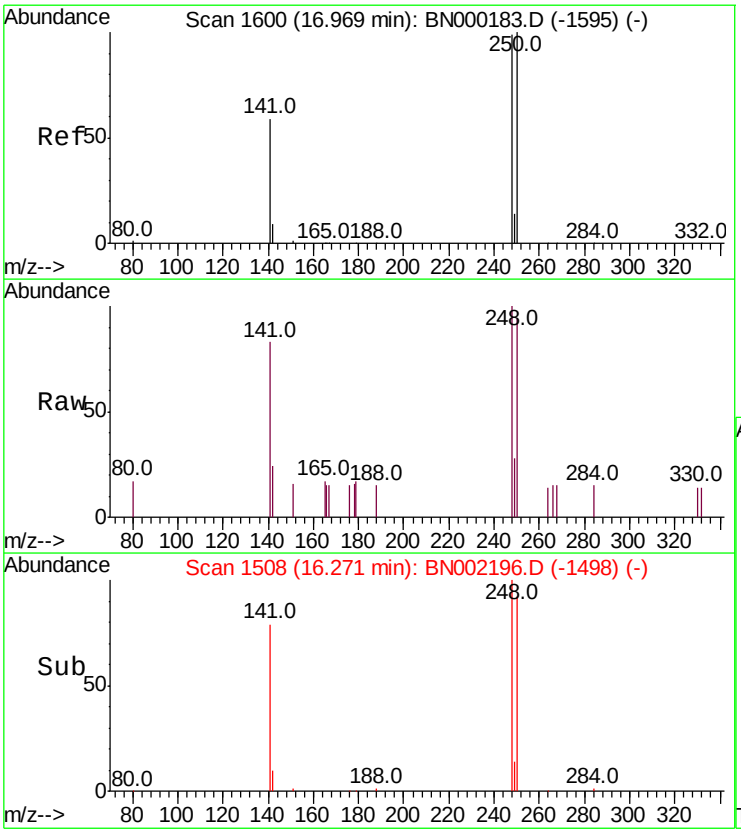
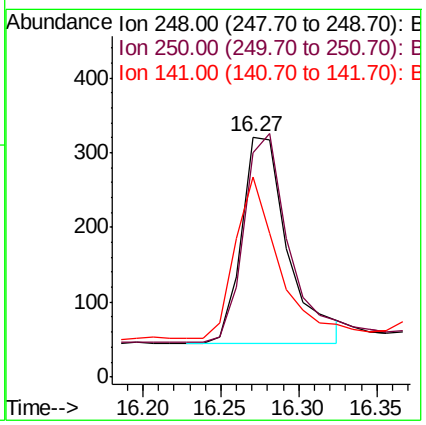


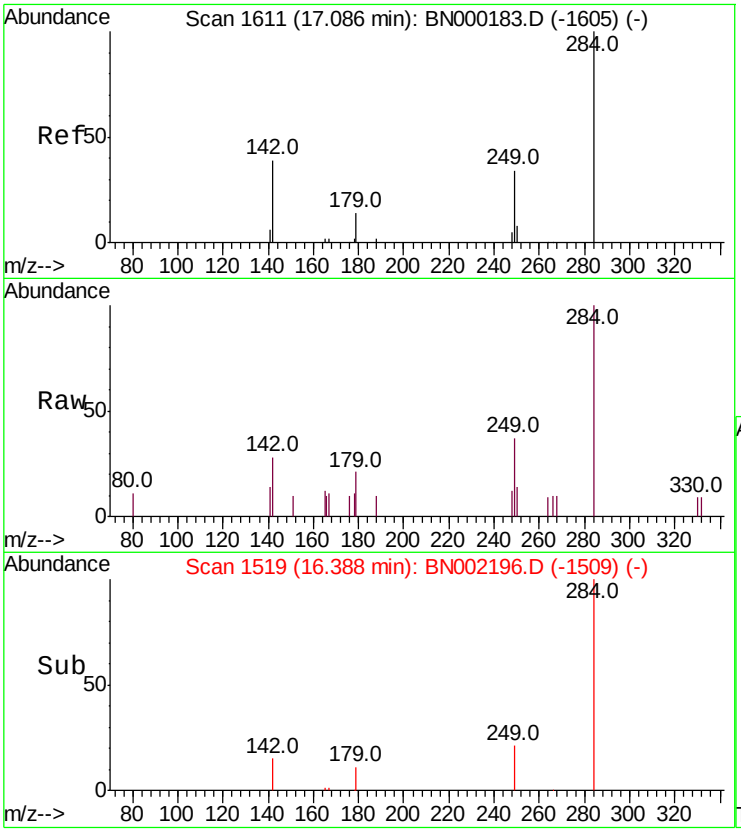


#20
4-Bromophenyl-phenylether
Concen: 0.083 ng
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:248 Resp: 573

Ion	Ratio	Lower	Upper
248	100		
250	93.8	62.7	94.1
141	83.5	48.2	72.2#

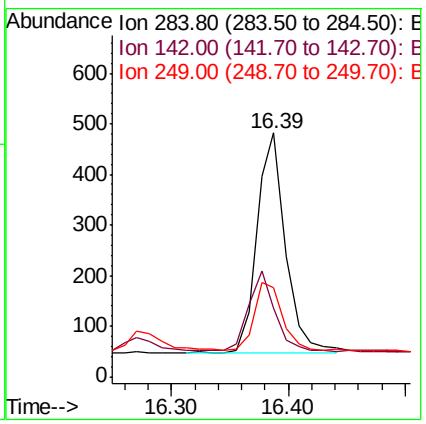




#21
Hexachlorobenzene
Concen: 0.097 ng
RT: 16.39 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:284 Resp: 737

Ion	Ratio	Lower	Upper
284	100		
142	35.0	32.0	48.0
249	30.3	24.0	36.0



Instrument :
BNA_N
ClientSampleId :
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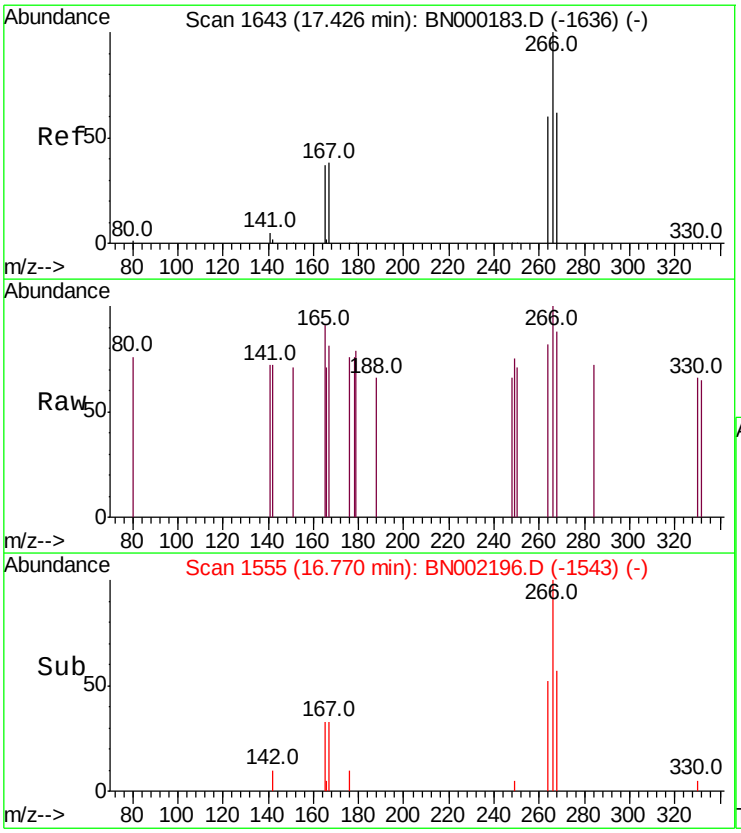
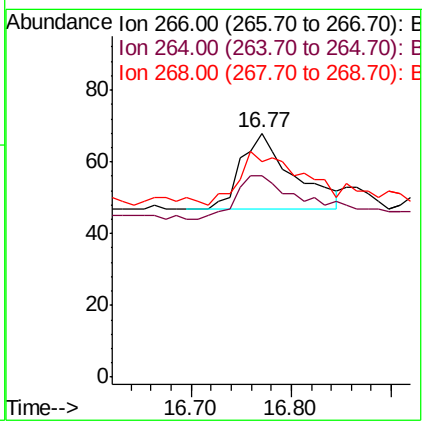
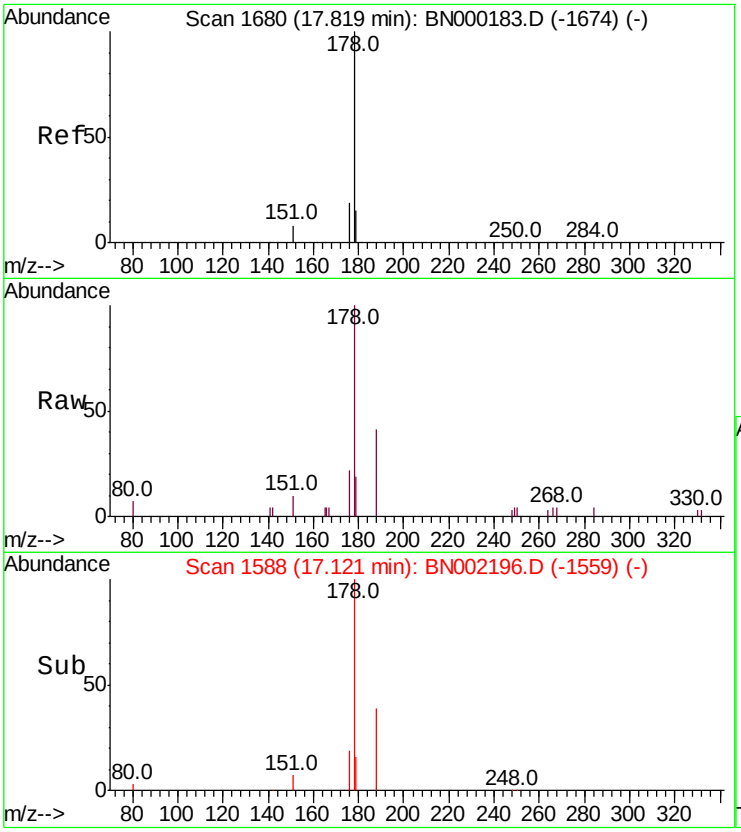


#22
Pentachlorophenol
Concen: 0.133 ng
RT: 16.77 min Scan# 1555
Delta R.T. 0.03 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:266 Resp: 75

Ion	Ratio	Lower	Upper
266	100		
264	82.4	48.0	72.0#
268	88.2	52.0	78.0#

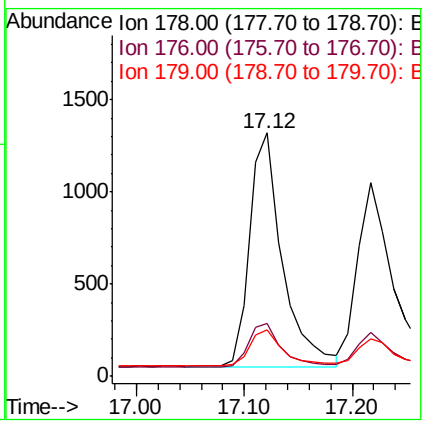




#23
Phenanthrene
Concen: 0.088 ng
RT: 17.12 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:178 Resp: 2658

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	16.5	11.8	17.6



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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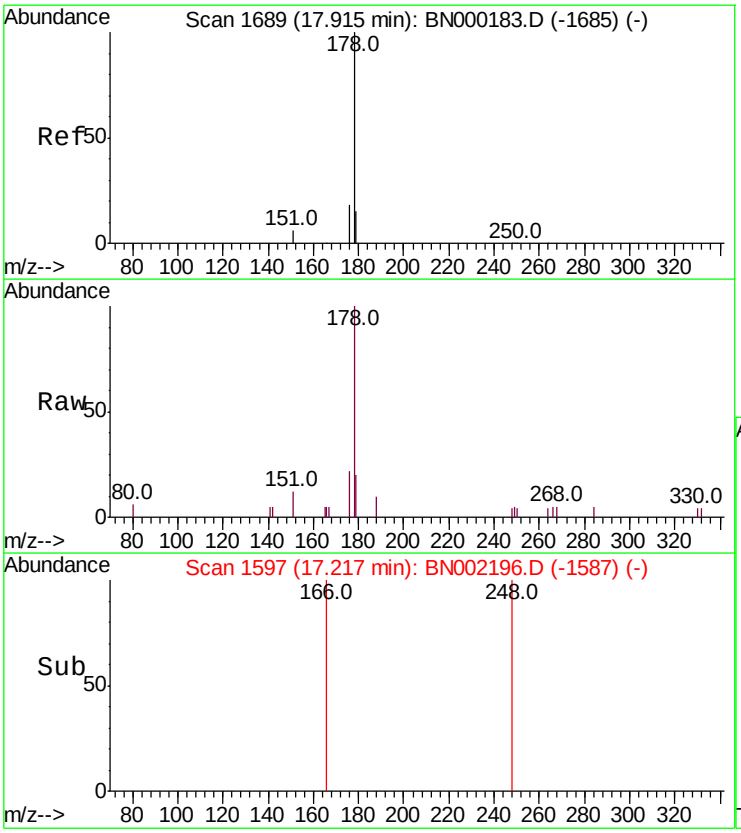
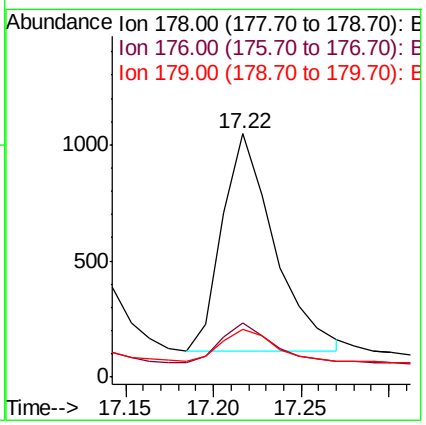
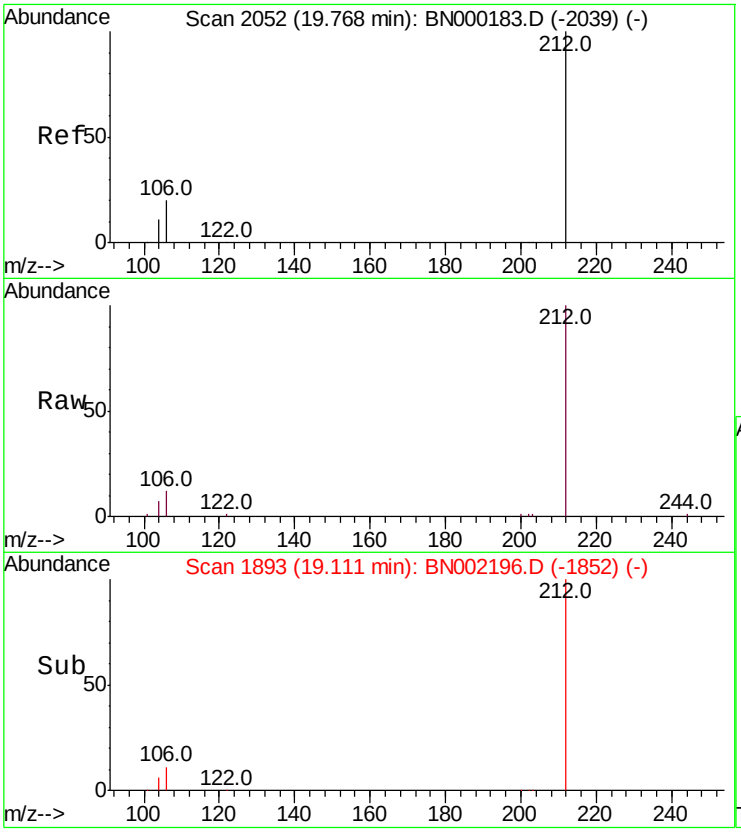


#24
Anthracene
Concen: 0.077 ng
RT: 17.22 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:178 Resp: 1919

Ion	Ratio	Lower	Upper
178	100		
176	17.9	12.8	19.2
179	14.4	13.0	19.6





#25
Fluoranthene-d10
Concen: 0.379 ng
RT: 19.11 min Scan# 1893
Delta R.T. 0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:212 Resp: 11367

Ion	Ratio	Lower	Upper
212	100		
106	11.4	2.8	4.2#
104	6.5	1.6	2.4#

Instrument :
BNA_N
ClientSampleId :
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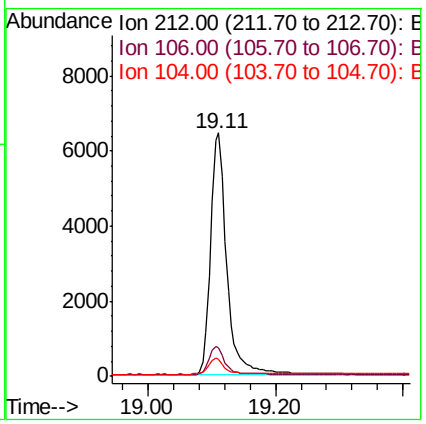
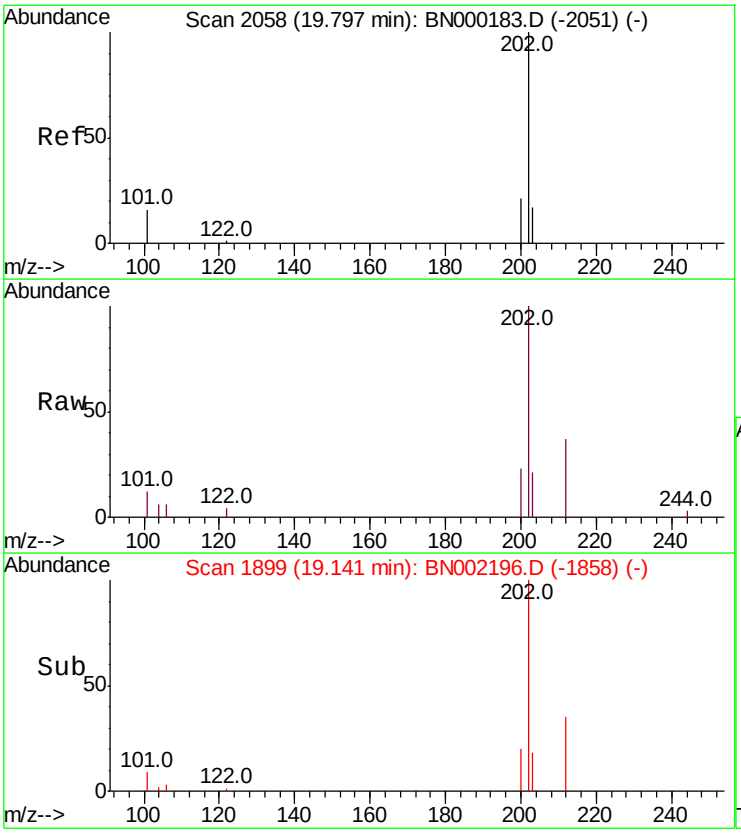
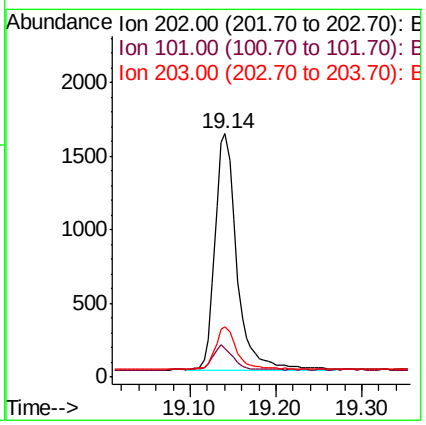


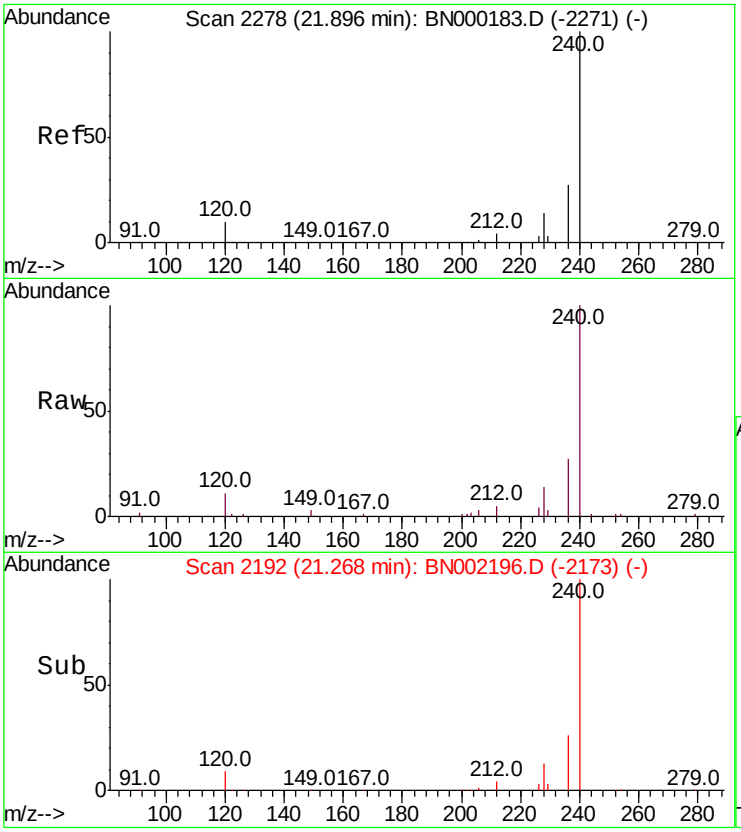


#26
Fluoranthene
Concen: 0.086 ng
RT: 19.14 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:202 Resp: 2829

Ion	Ratio	Lower	Upper
202	100		
101	10.5	9.8	14.8
203	16.9	13.7	20.5





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:240 Resp: 10337

Ion	Ratio	Lower	Upper
240	100		
120	10.5	5.5	8.3#
236	26.9	20.7	31.1

Instrument :
BNA_N
ClientSampleId :
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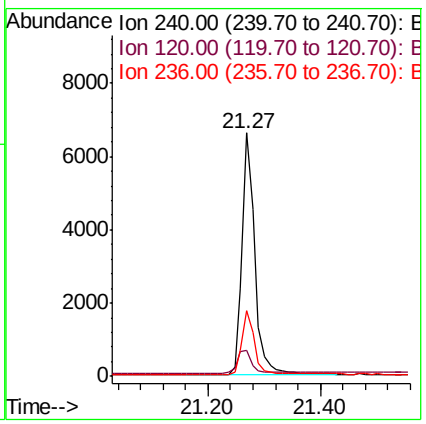
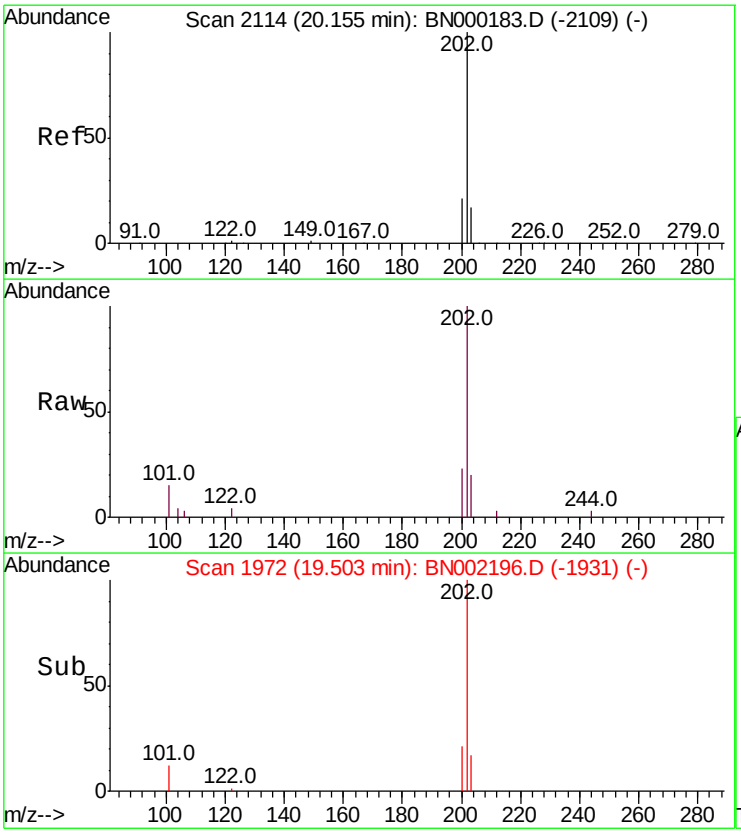
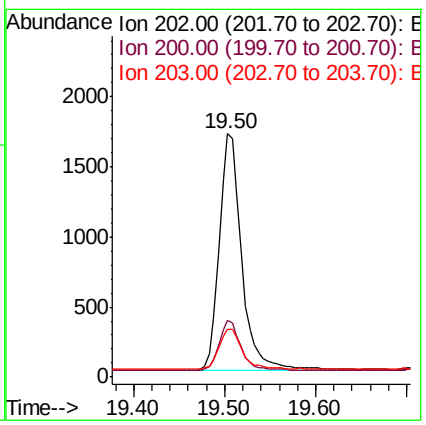


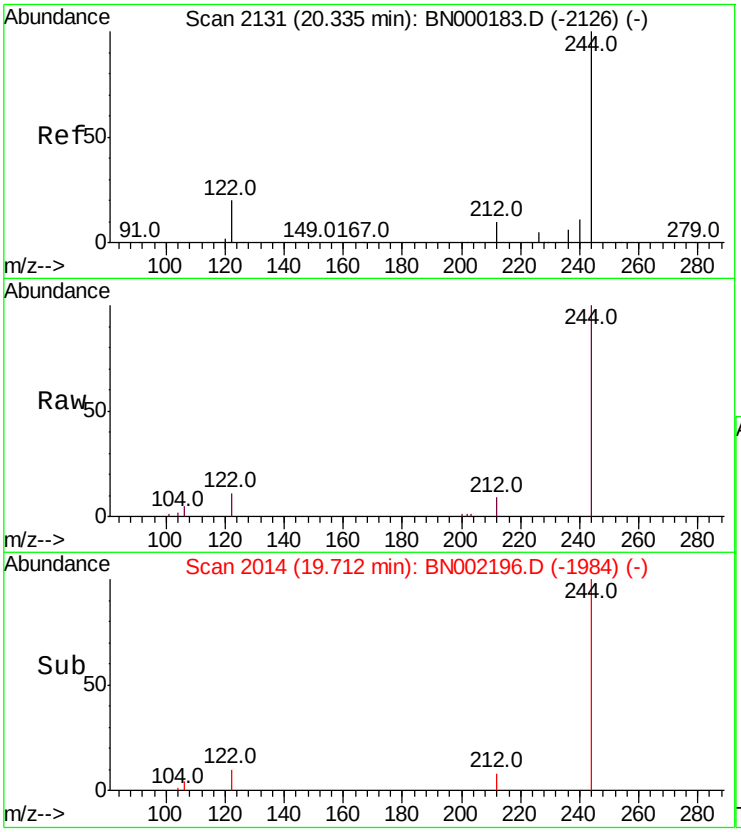


#28
Pyrene
Concen: 0.095 ng
RT: 19.50 min Scan# 1972
Delta R.T. 0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:202 Resp: 2892

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.4	13.8	20.8





#29
Terphenyl-d14
Concen: 0.349 ng
RT: 19.71 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:244 Resp: 7719

Ion	Ratio	Lower	Upper
244	100		
212	8.6	25.4	38.0#
122	10.7	8.1	12.1

Instrument :
BNA_N
ClientSampleId :
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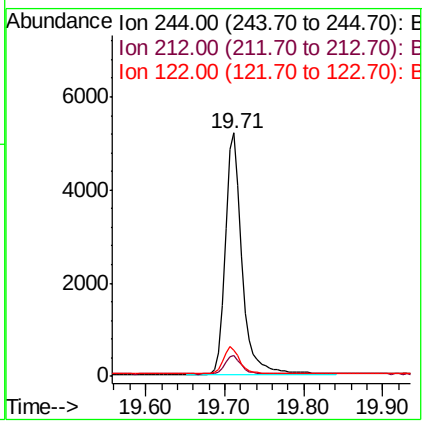
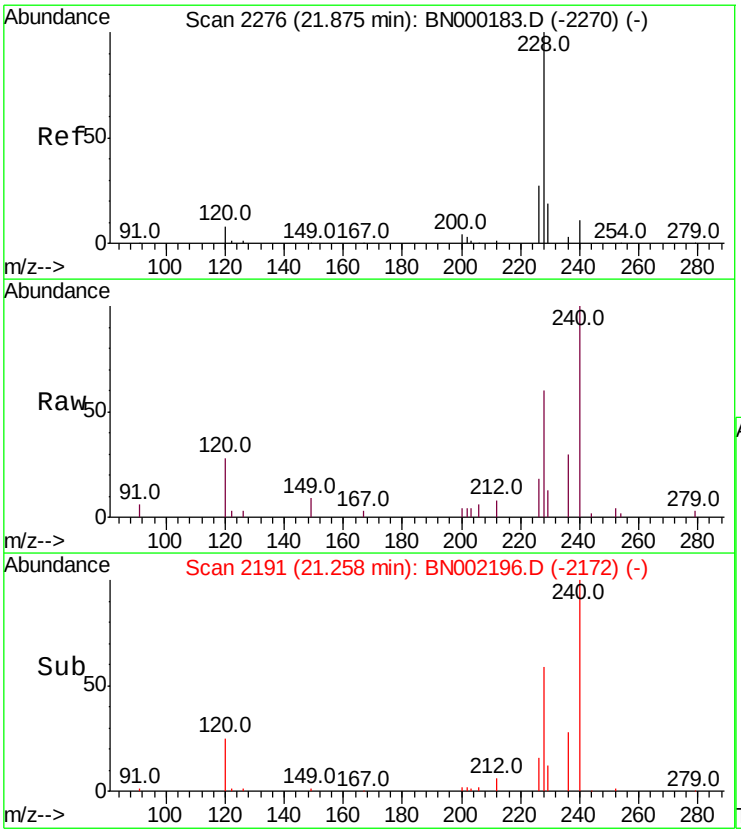
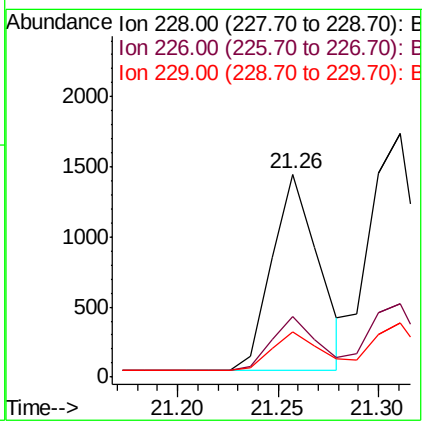


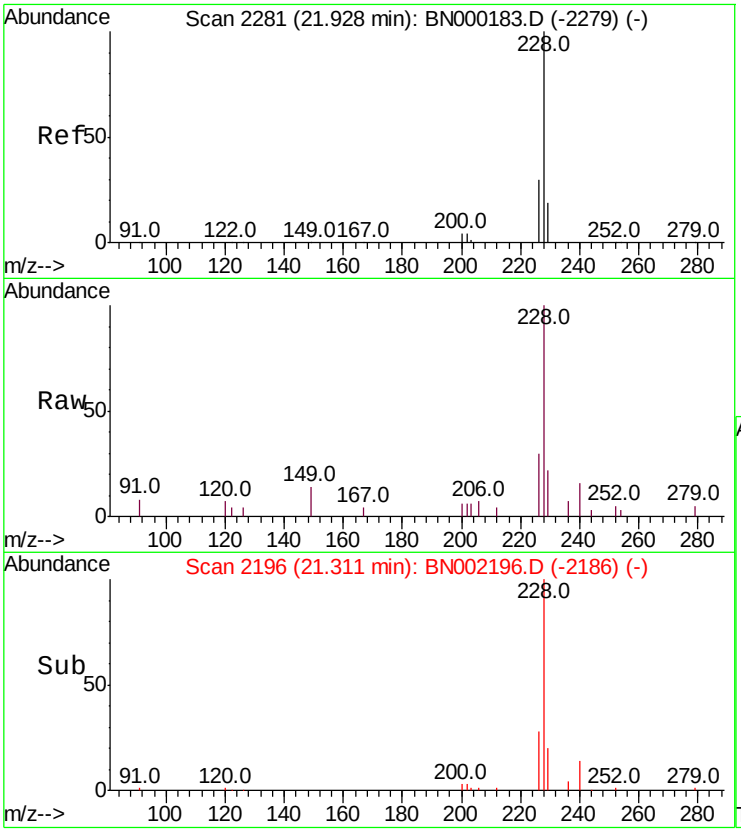


#30
Benzo(a)anthracene
Concen: 0.087 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:228 Resp: 2269

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	22.3	16.0	24.0





#31
Chrysene
Concen: 0.101 ng
RT: 21.31 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:228 Resp: 2952

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	22.0	16.0	24.0

Instrument :
BNA_N
ClientSampleId :
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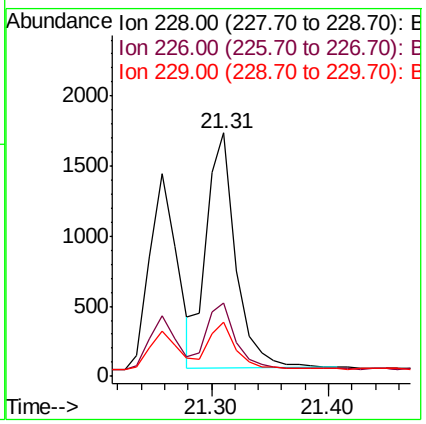
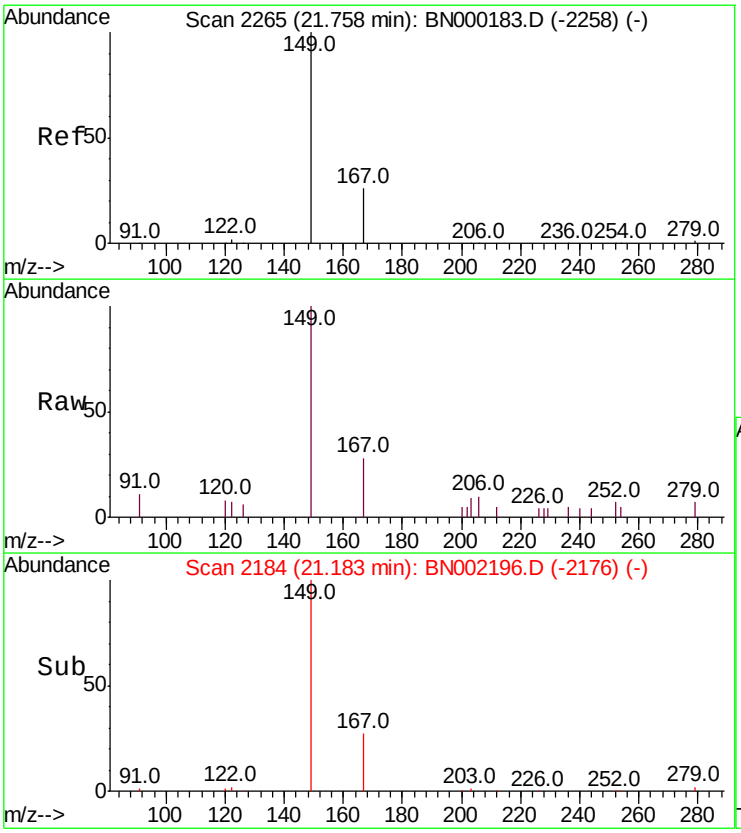
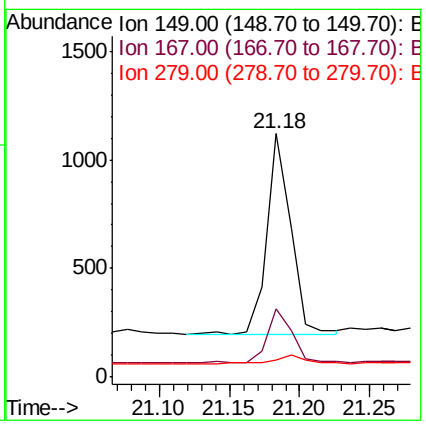


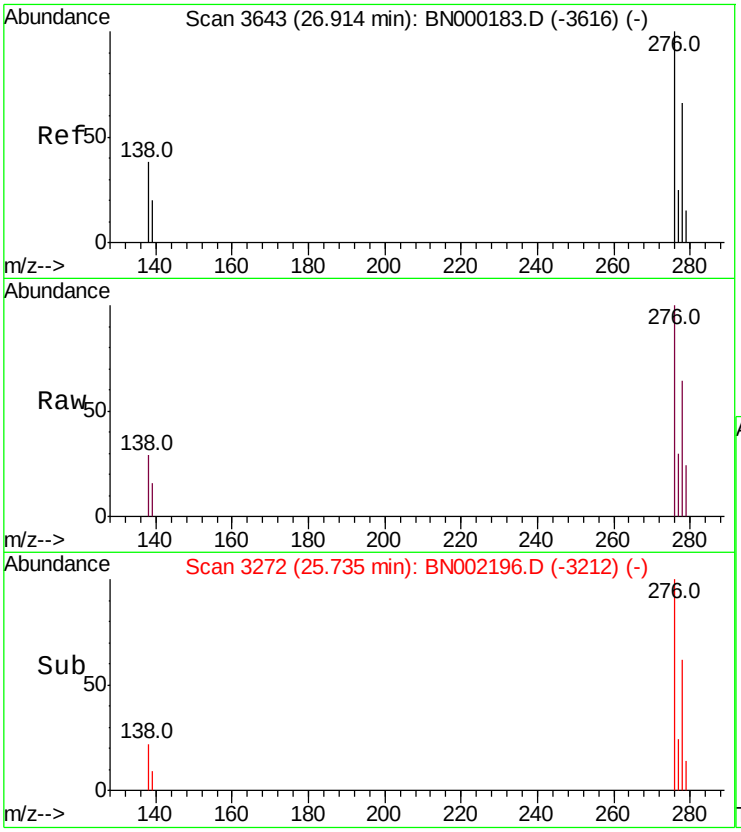


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.092 ng
RT: 21.18 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:149 Resp: 1094

Ion	Ratio	Lower	Upper
149	100		
167	28.3	20.0	30.0
279	6.3	1.6	2.4#

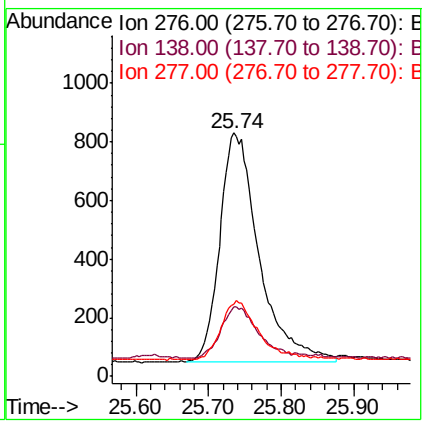




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.107 ng
RT: 25.74 min Scan# 3272
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:276 Resp: 2921

Ion	Ratio	Lower	Upper
276	100		
138	21.1	22.5	33.7#
277	23.2	19.9	29.9



Instrument :
BNA_N
ClientSampleId :
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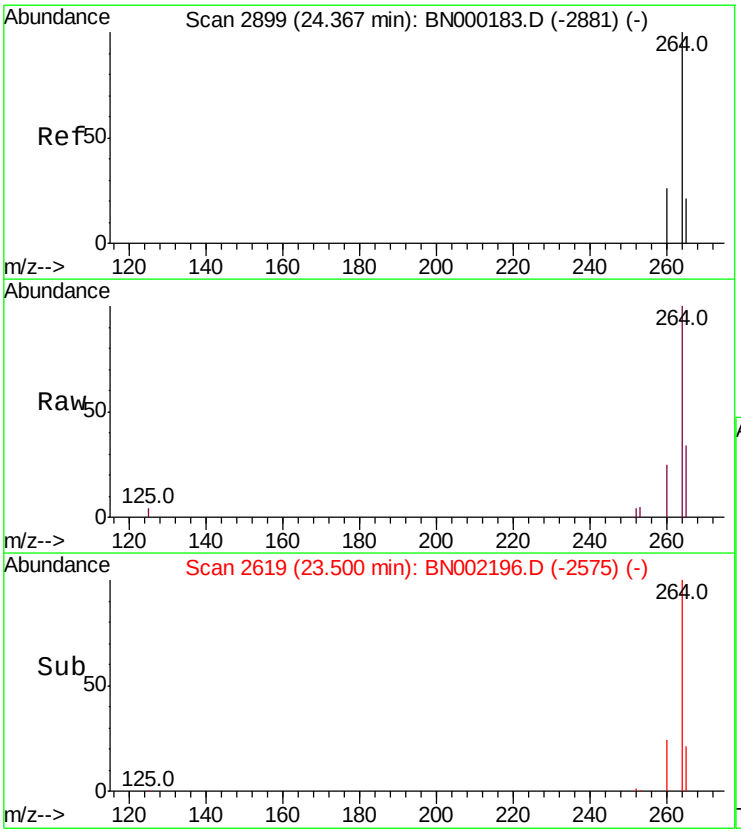
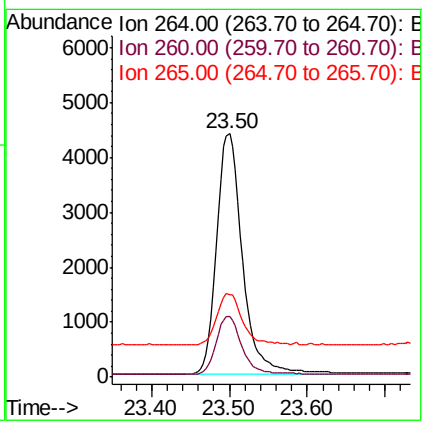
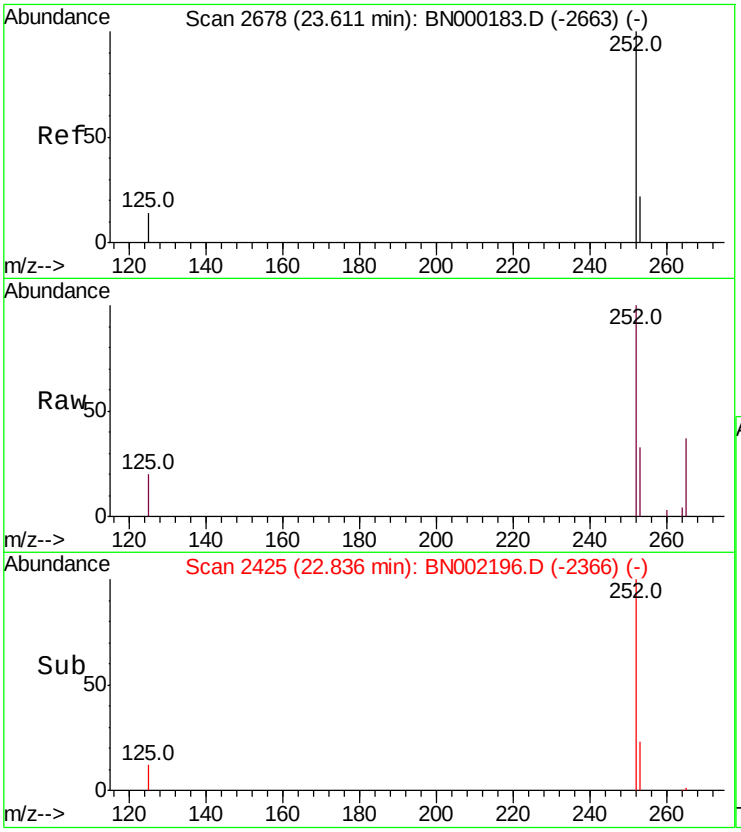


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2619
Delta R.T. -0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:264 Resp: 10053

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.5	30.7
265	33.9	22.8	34.2





#35
Benzo(b)fluoranthene
Concen: 0.092 ng
RT: 22.84 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:252 Resp: 2713

Ion	Ratio	Lower	Upper
252	100		
253	32.7	20.0	30.0#
125	20.5	16.0	24.0

Instrument :
BNA_N
ClientSampleId :
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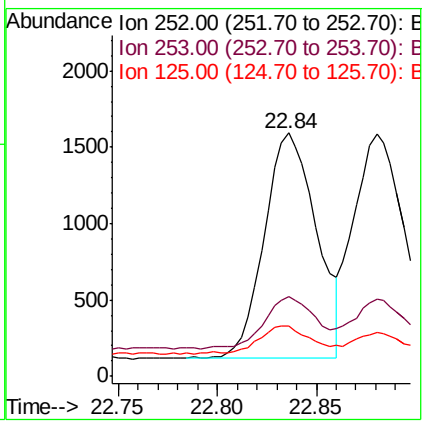
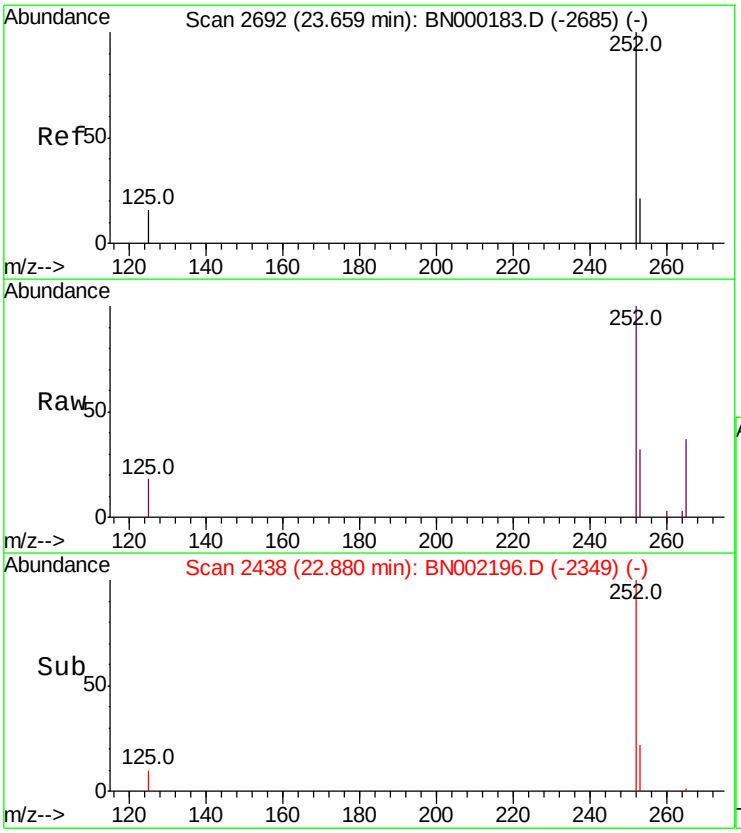
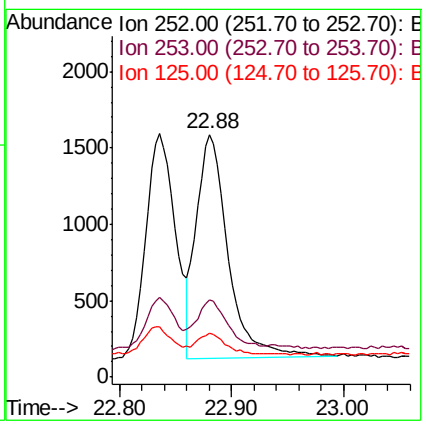


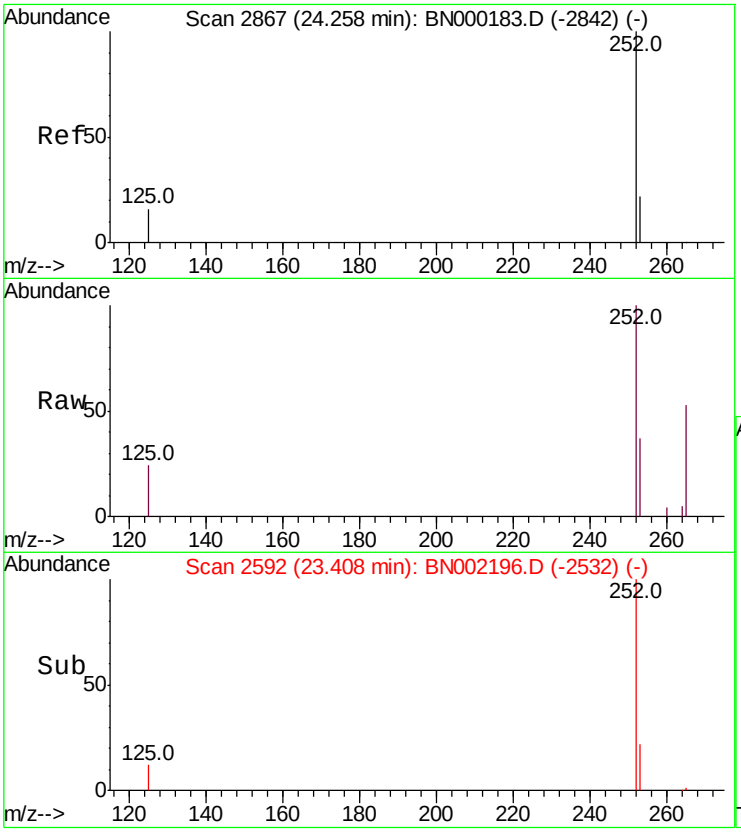


#36
Benzo(k)fluoranthene
Concen: 0.094 ng
RT: 22.88 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:252 Resp: 2881

Ion	Ratio	Lower	Upper
252	100		
253	31.6	16.0	24.0#
125	17.9	8.0	12.0#





#37
Benzo(a)pyrene
Concen: 0.090 ng
RT: 23.41 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:252 Resp: 2412

Ion	Ratio	Lower	Upper
252	100		
253	37.1	16.0	24.0#
125	24.3	12.0	18.0#

Instrument :
BNA_N
ClientSampleId :
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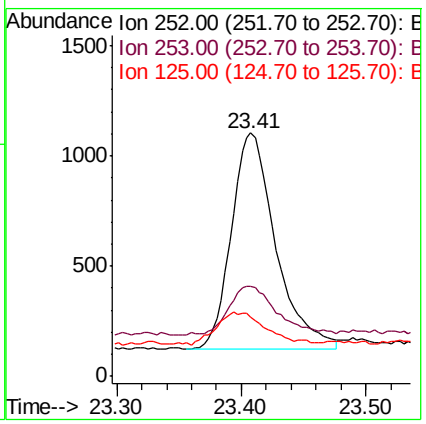
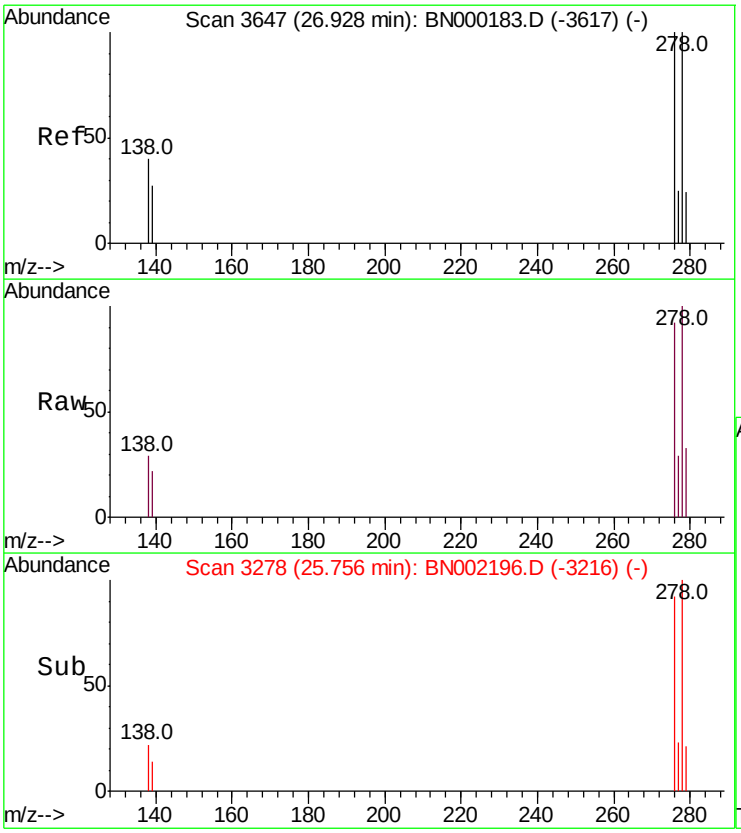
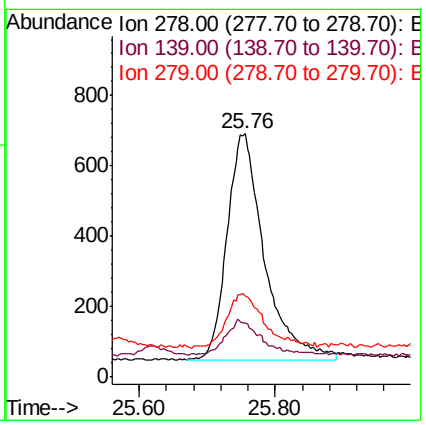


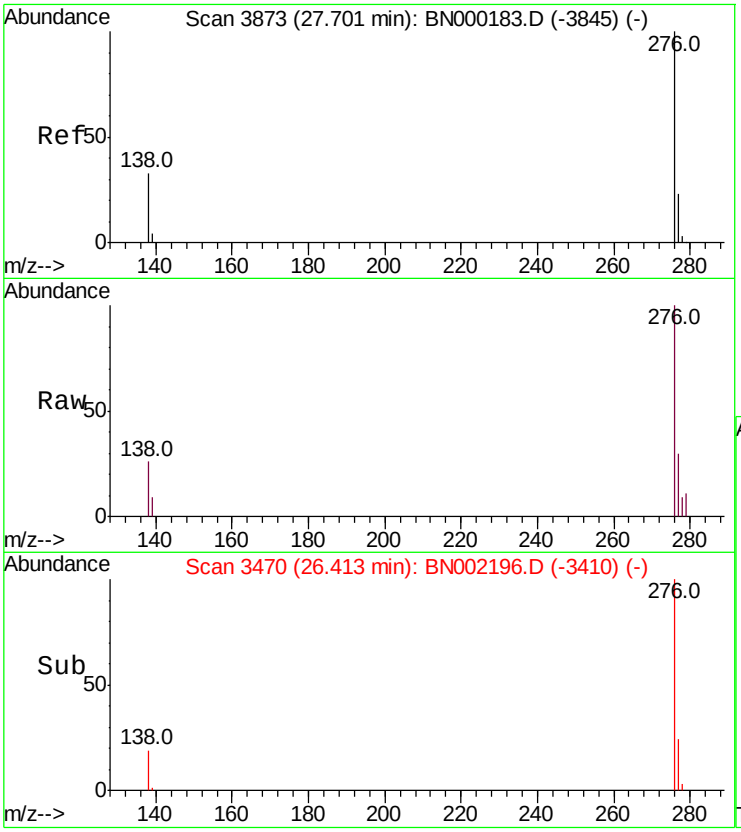


#38
Dibenzo(a,h)anthracene
Concen: 0.093 ng
RT: 25.76 min Scan# 3278
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:278 Resp: 2431

Ion	Ratio	Lower	Upper
278	100		
139	22.3	16.0	24.0
279	33.4	20.0	30.0#

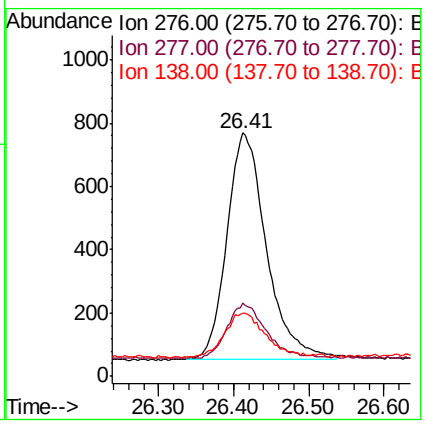




#39
Benzo(g,h,i)perylene
Concen: 0.097 ng
RT: 26.41 min Scan# 3470
Delta R.T. 0.01 min
Lab File: BN002196.D
Acq: 30 Jul 2018 21:21

Tgt Ion:276 Resp: 2573

Ion	Ratio	Lower	Upper
276	100		
277	30.0	16.0	24.0#
138	25.9	20.0	30.0



Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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