Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022222\
Data File : BN018687.D
Acq On : 22 Feb 2022 21:22
Operator : CG/JU
Sample : N1481-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Quant Time: Feb 23 02:17:52 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	4	0.400	ng	# 0.01
7) Naphthalene-d8	10.786	136	3	0.400	ng	# 0.06
13) Acenaphthene-d10	14.634	164	5	0.400	ng	# 0.09
19) Phenanthrene-d10	17.359	188	3	0.400	ng	# 0.07
29) Chrysene-d12	21.485	240	59	0.400	ng	# 0.02
35) Perylene-d12	23.878	264	2	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.485	112	1	0.109	ng	0.01
5) Phenol-d6	7.103	99	1	0.095	ng	0.04
8) Nitrobenzene-d5	9.121	82	6	2.586	ng	0.05
11) 2-Methylnaphthalene-d10	12.374	152	2	0.442	ng	0.06
14) 2,4,6-Tribromophenol	16.148	330	1	0.512	ng	0.12
15) 2-Fluorobiphenyl	13.234	172	3	0.127	ng	0.05
27) Fluoranthene-d10	19.375	212	1	0.123	ng	0.06
31) Terphenyl-d14	19.919	244	21	0.164	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.340	88	6	1.292	ng	# 39
3) n-Nitrosodimethylamine	3.629	42	6	1.302	ng	# 1
6) bis(2-Chloroethyl)ether	7.349	93	10	0.924	ng	# 20
9) Naphthalene	10.840	128	3	0.347	ng	# 1
10) Hexachlorobutadiene	11.075	225	4	1.921	ng	# 86
16) Acenaphthylene	14.335	152	1	0.042	ng	# 1
17) Acenaphthene	14.655	154	2	0.122	ng	# 21
18) Fluorene	15.714	166	4	0.203	ng	# 10
21) 4-Bromophenyl-phenylether	16.487	248	7	3.283	ng	# 65
22) Hexachlorobenzene	16.672	284	9	3.372	ng	# 1
23) Atrazine	16.784	200	1	0.850	ng	# 7
24) Pentachlorophenol	17.000	266	6	7.241	ng	# 15
25) Phenanthrene	17.431	178	13	1.295	ng	# 60
26) Anthracene	17.482	178	20	2.352	ng	# 1
28) Fluoranthene	19.421	202	3	0.286	ng	# 1
30) Pyrene	19.712	202	74	0.281	ng	# 89
32) Benzo(a)anthracene	21.467	228	52	0.232	ng	# 1
33) Chrysene	21.512	228	109	0.437	ng	# 12
34) Bis(2-ethylhexyl)phtha...	21.377	149	83	0.913	ng	# 75
36) Indeno(1,2,3-cd)pyrene	26.357	276	2	0.189	ng	# 1
37) Benzo(b)fluoranthene	23.138	252	43	4.732	ng	# 1
38) Benzo(k)fluoranthene	23.171	252	4	0.444	ng	# 1
39) Benzo(a)pyrene	23.787	252	4	0.552	ng	# 1
40) Dibenzo(a,h)anthracene	26.369	278	4	0.486	ng	# 1
41) Benzo(g,h,i)perylene	27.115	276	10	1.107	ng	# 1

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

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Misc :
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Instrument :
BNA_N
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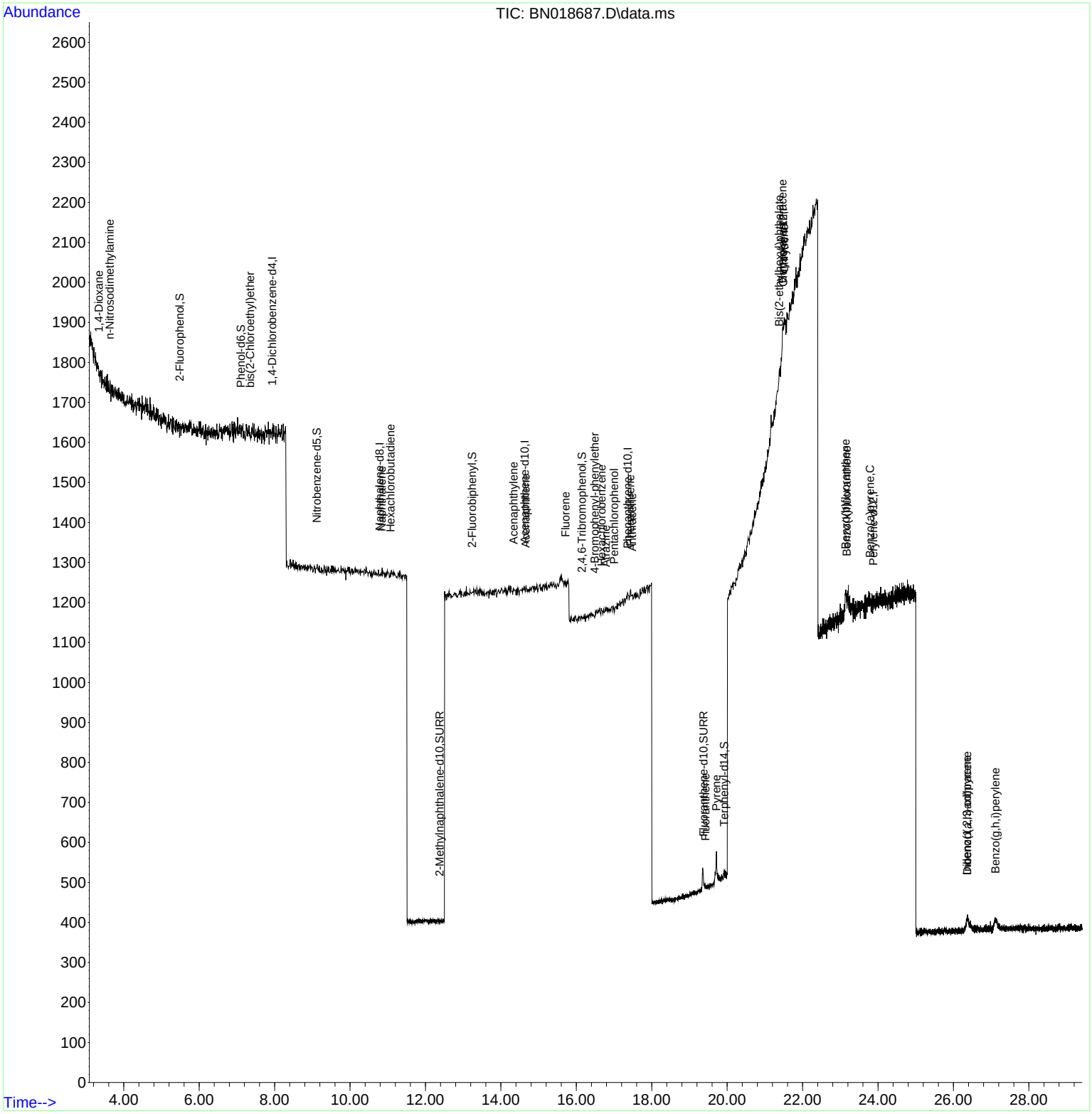
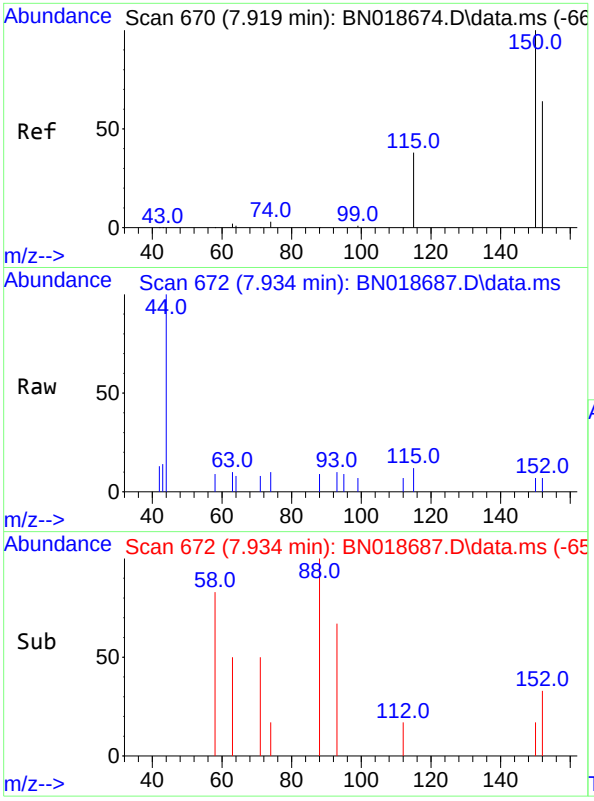
RW7B-GW-20220209

Quant Time: Feb 23 02:17:52 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration



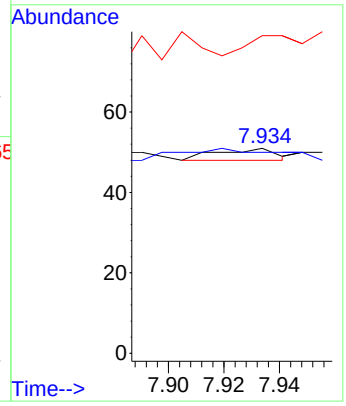


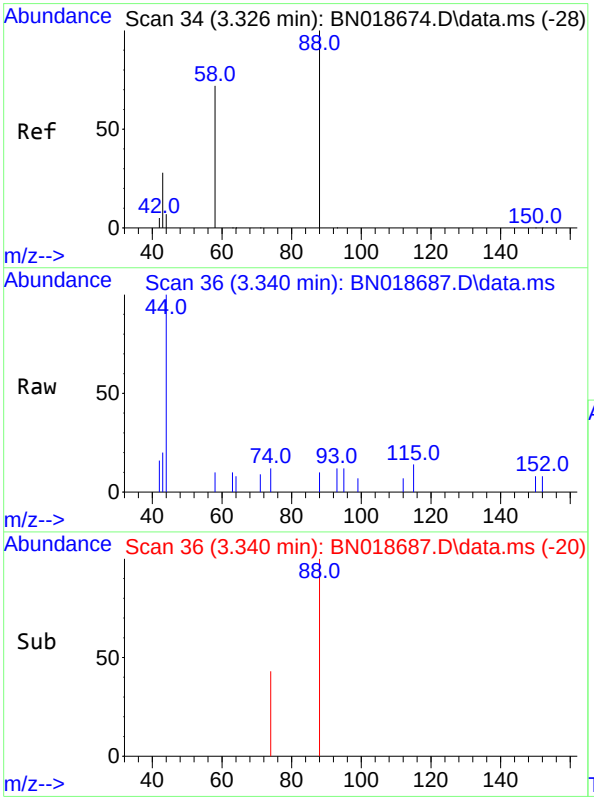
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.934 min Scan# 6
Delta R.T. 0.015 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:152 Resp: 4

Ion	Ratio	Lower	Upper
152	100		
150	98.0	121.7	182.5#
115	154.9	43.8	65.8#

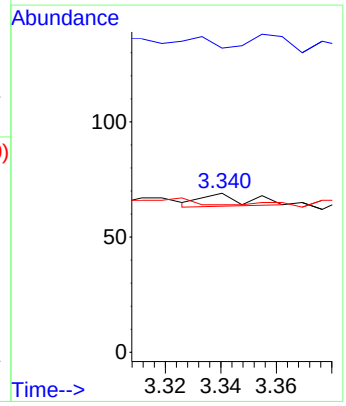


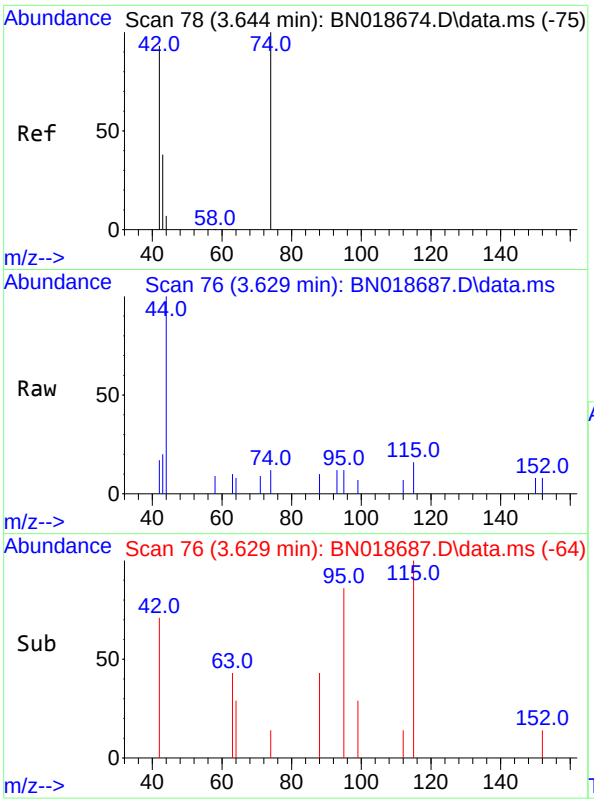


#2
1,4-Dioxane
Concen: 1.292 ng
RT: 3.340 min Scan# 36
Delta R.T. 0.014 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion: 88 Resp: 6

Ion	Ratio	Lower	Upper
88	100		
43	133.3	69.7	104.5#
58	33.3	83.8	125.8#



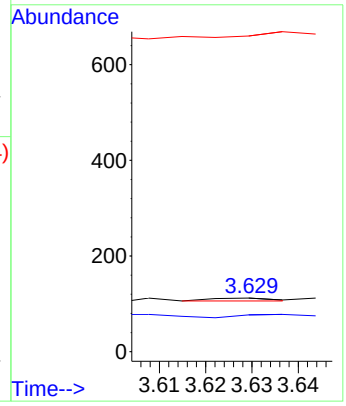


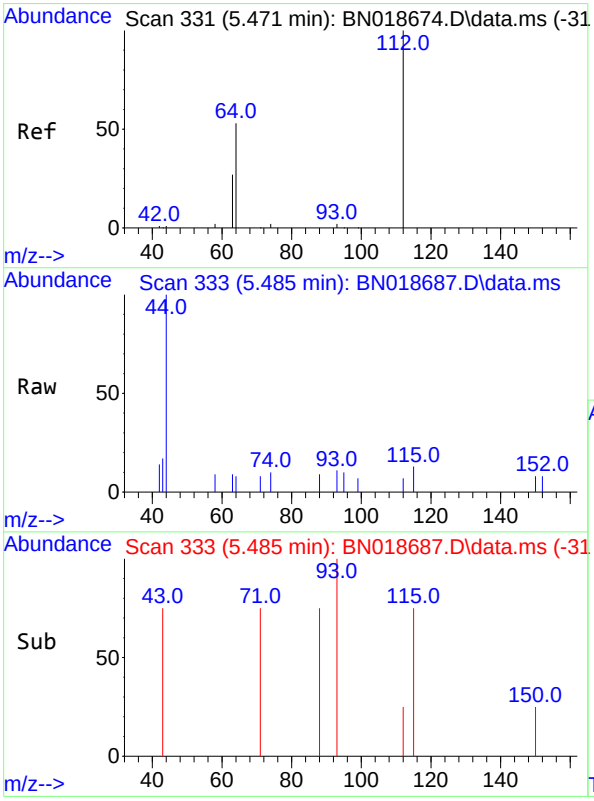
#3
n-Nitrosodimethylamine
Concen: 1.302 ng
RT: 3.629 min Scan# 7
Delta R.T. -0.014 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion: 42 Resp: 6

Ion	Ratio	Lower	Upper
42	100		
74	166.7	108.6	163.0#
44	716.7	5.8	8.8#

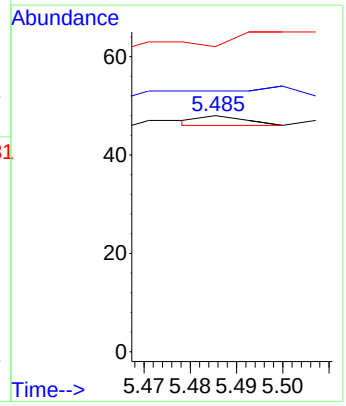


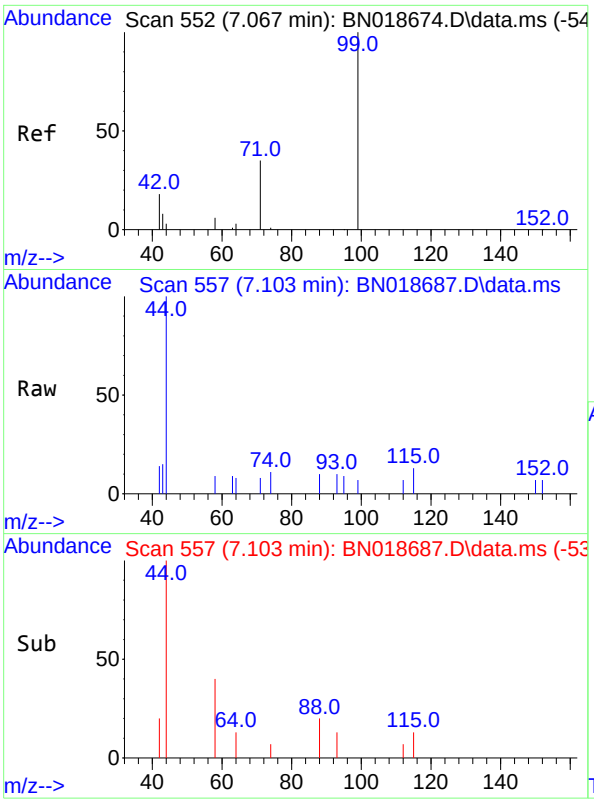


#4
2-Fluorophenol
Concen: 0.109 ng
RT: 5.485 min Scan# 333
Delta R.T. 0.014 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:112 Resp: 1

Ion	Ratio	Lower	Upper
112	100		
64	0.0	48.0	72.0#
63	600.0	25.3	37.9#



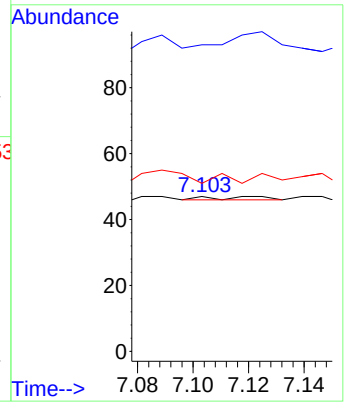


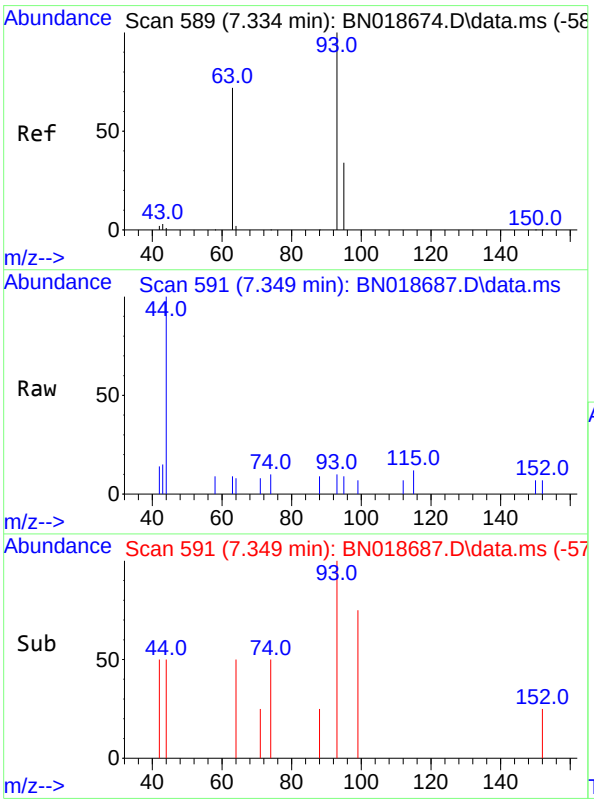
#5
Phenol-d6
Concen: 0.095 ng
RT: 7.103 min Scan# 5
Delta R.T. 0.036 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion: 99 Resp: 1

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.3	24.5#
71	100.0	26.8	40.2#

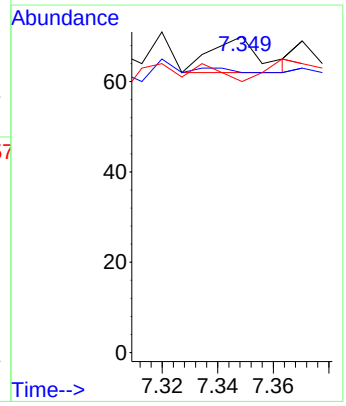


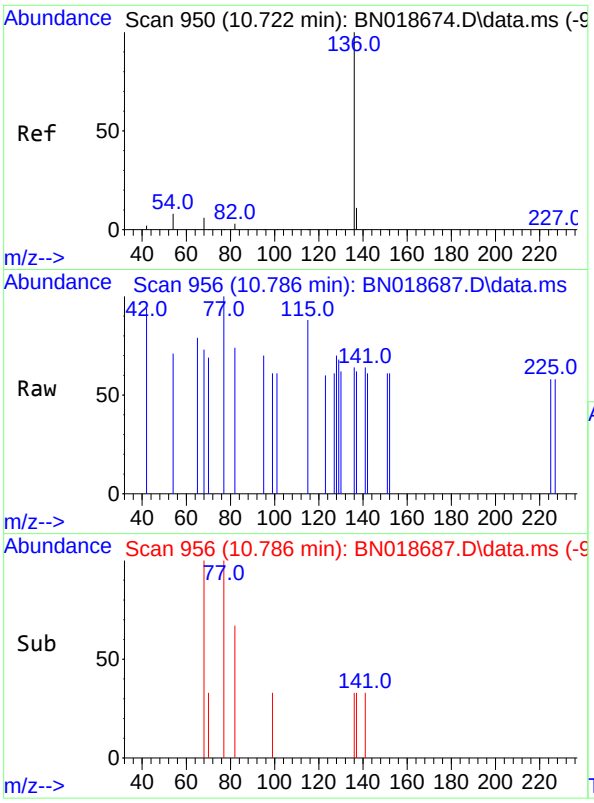


#6
bis(2-Chloroethyl)ether
Concen: 0.924 ng
RT: 7.349 min Scan# 591
Delta R.T. 0.014 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion: 93 Resp: 10

Ion	Ratio	Lower	Upper
93	100		
63	0.0	61.7	92.5#
95	0.0	26.2	39.4#



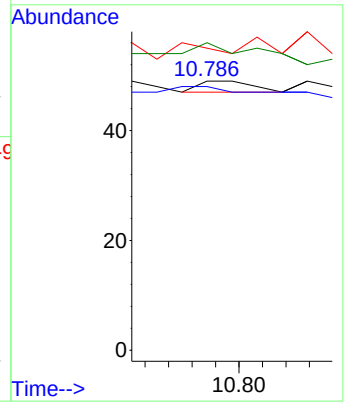


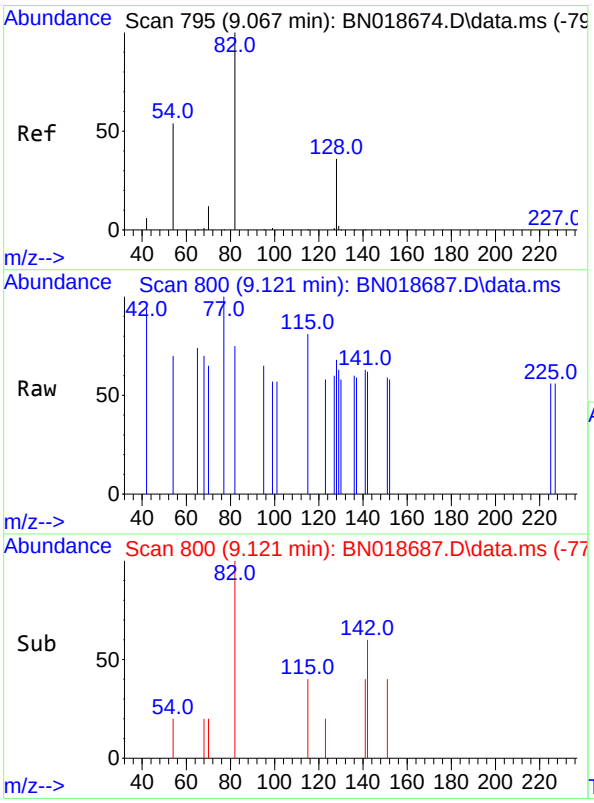
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.786 min Scan# 9
Delta R.T. 0.064 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:136 Resp: 3

Ion	Ratio	Lower	Upper
136	100		
137	98.0	8.8	13.2#
54	112.2	5.0	7.6#
68	114.3	4.4	6.6#

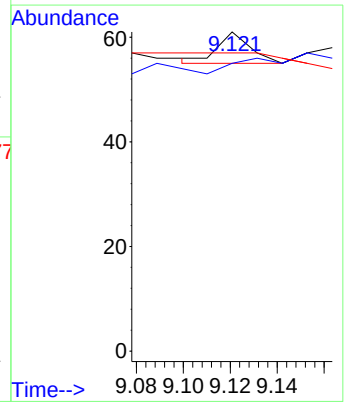


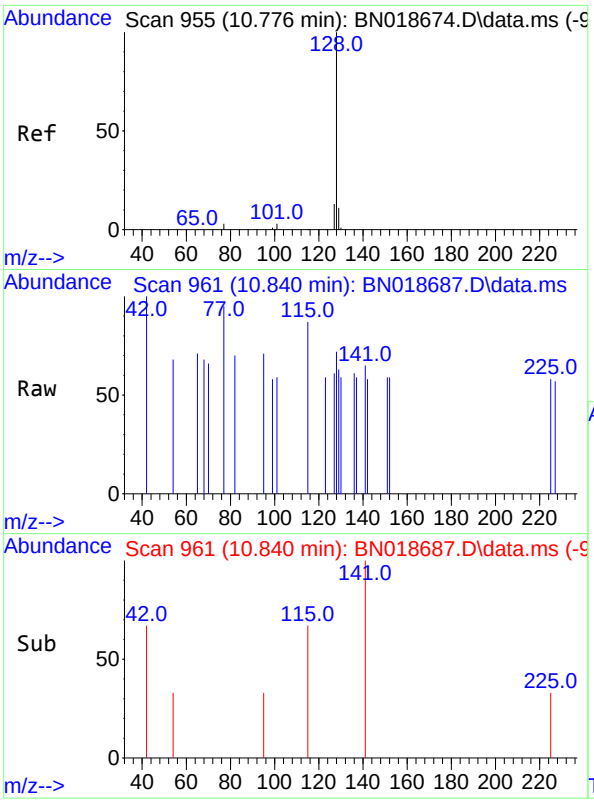


#8
Nitrobenzene-d5
Concen: 2.586 ng
RT: 9.121 min Scan# 800
Delta R.T. 0.053 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion: 82 Resp: 6

Ion	Ratio	Lower	Upper
82	100		
128	90.2	33.7	50.5#
54	93.4	36.6	55.0#



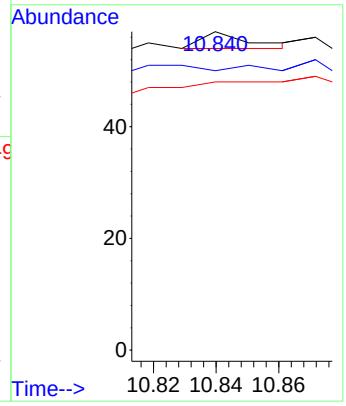


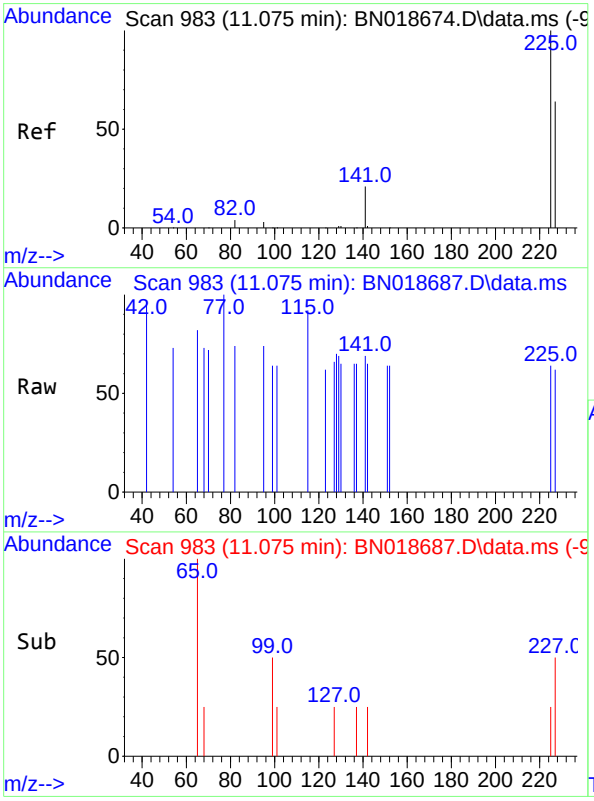
#9
Naphthalene
Concen: 0.347 ng
RT: 10.840 min Scan# 9
Delta R.T. 0.064 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:128 Resp: 3

Ion	Ratio	Lower	Upper
128	100		
129	87.7	8.7	13.1#
127	84.2	10.4	15.6#

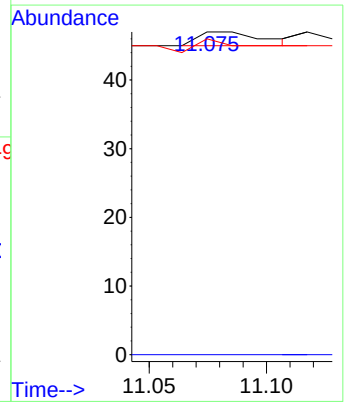


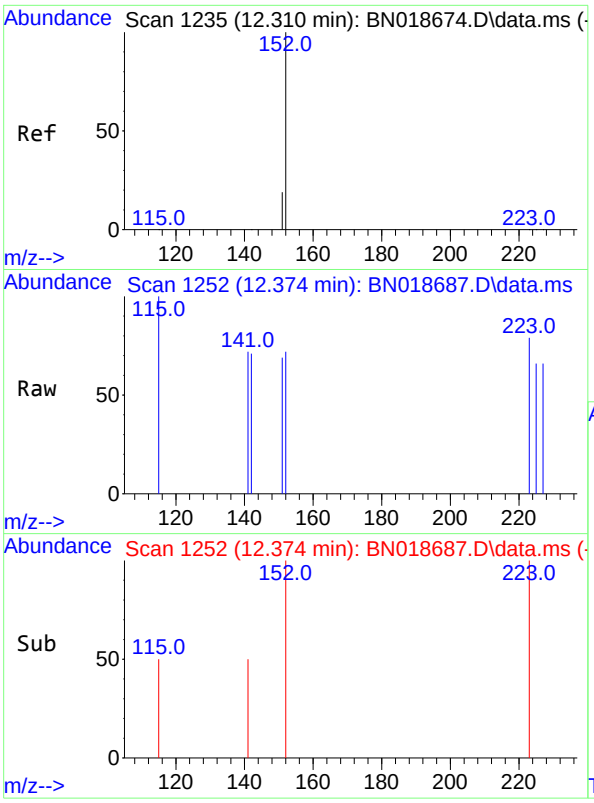


#10
Hexachlorobutadiene
Concen: 1.921 ng
RT: 11.075 min Scan# 983
Delta R.T. -0.000 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:225 Resp: 4

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	75.0	51.0	76.6



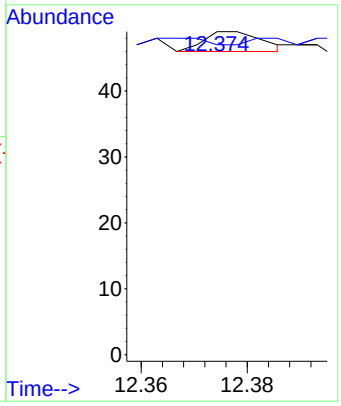


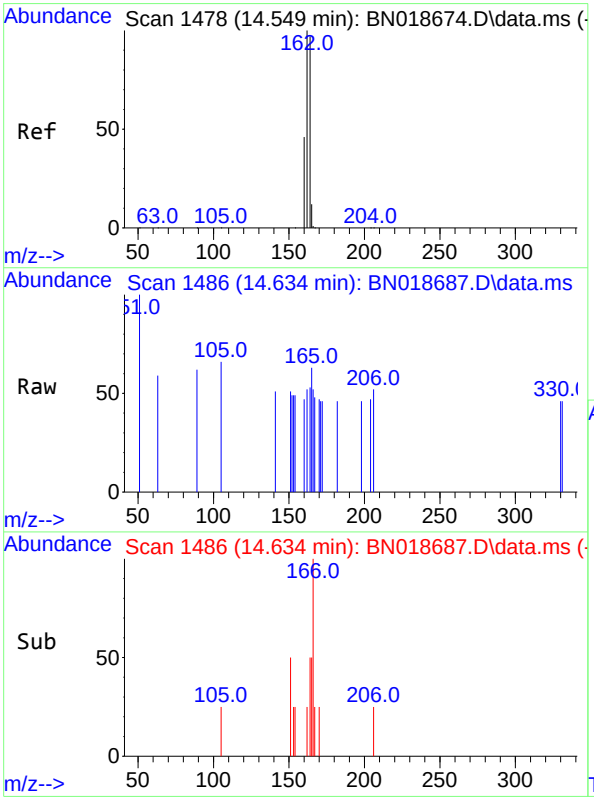
#11
2-Methylnaphthalene-d10
Concen: 0.442 ng
RT: 12.374 min Scan# 1
Delta R.T. 0.064 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:152 Resp: 2

Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.2	24.2#

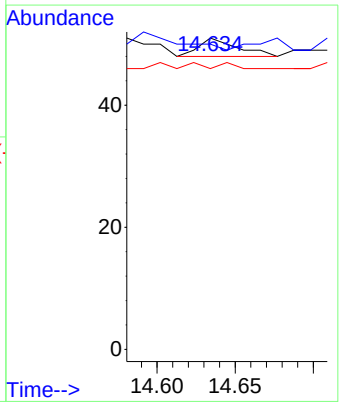


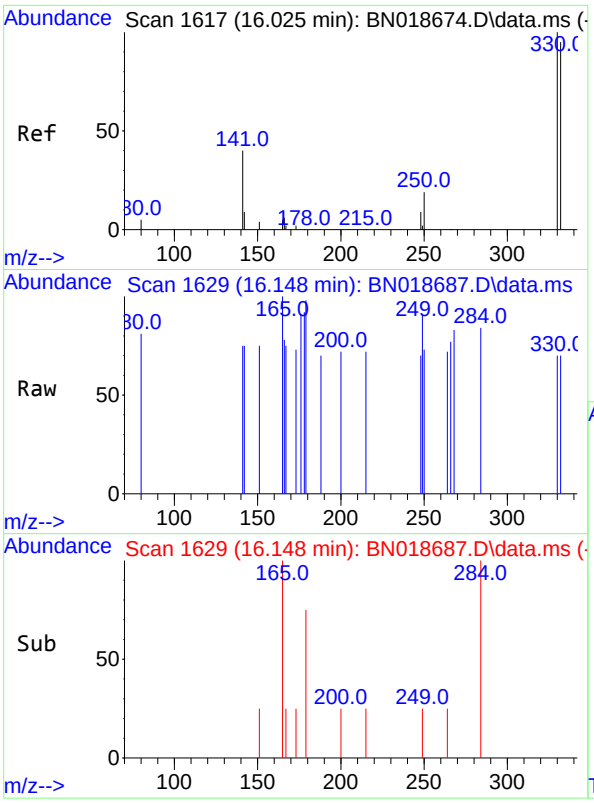


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.634 min Scan# 1486
Delta R.T. 0.085 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:164 Resp: 5

Ion	Ratio	Lower	Upper
164	100		
162	98.0	80.2	120.2
160	90.2	36.9	55.3#



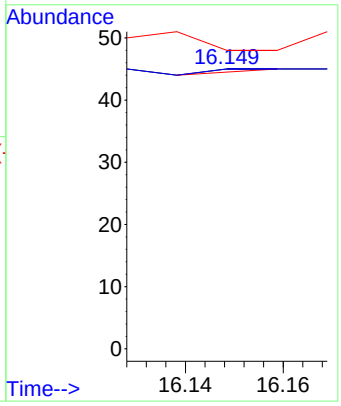


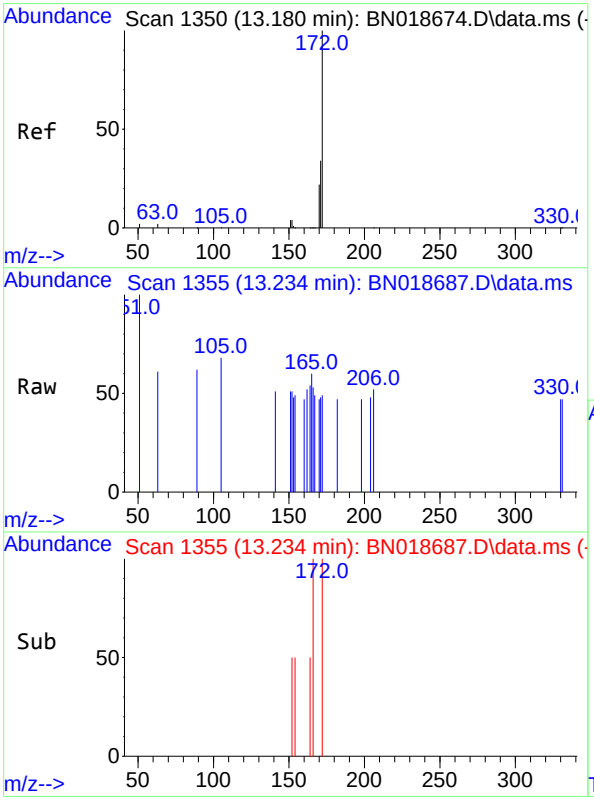
#14
2,4,6-Tribromophenol
Concen: 0.512 ng
RT: 16.148 min Scan# 1
Delta R.T. 0.123 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:330 Resp: 1

Ion	Ratio	Lower	Upper
330	100		
332	200.0	0.0	0.0#
141	400.0	21.3	31.9#

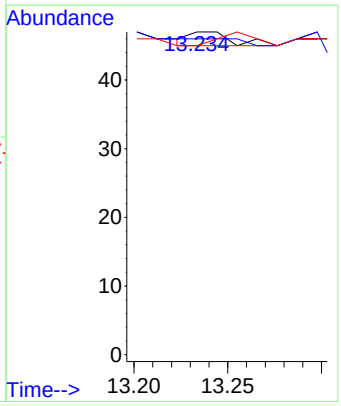


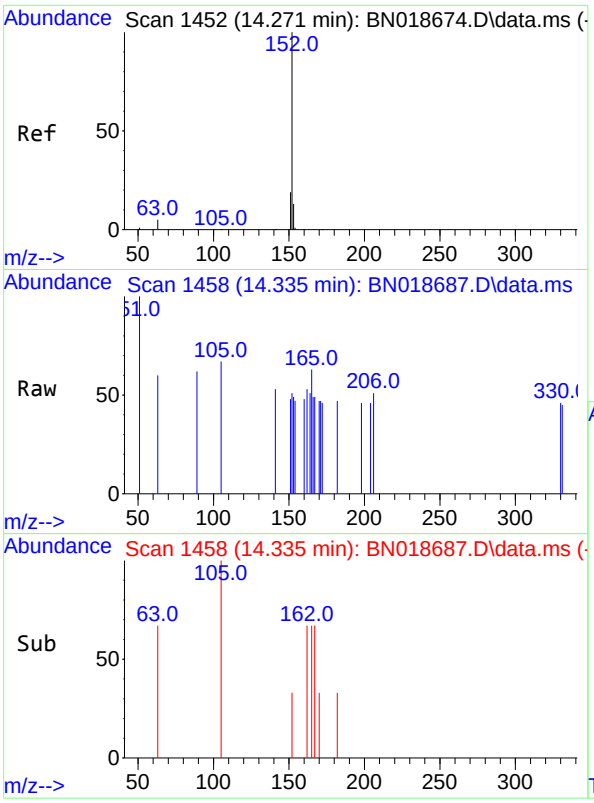


#15
2-Fluorobiphenyl
Concen: 0.127 ng
RT: 13.234 min Scan# 1355
Delta R.T. 0.053 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:172 Resp: 3

Ion	Ratio	Lower	Upper
172	100		
171	97.9	27.4	41.0#
170	95.7	18.4	27.6#



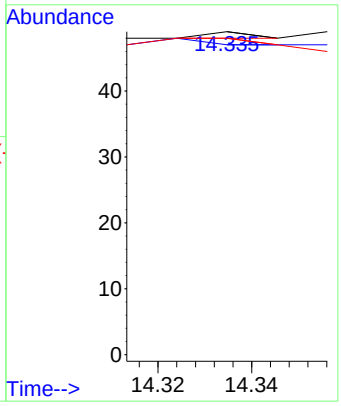


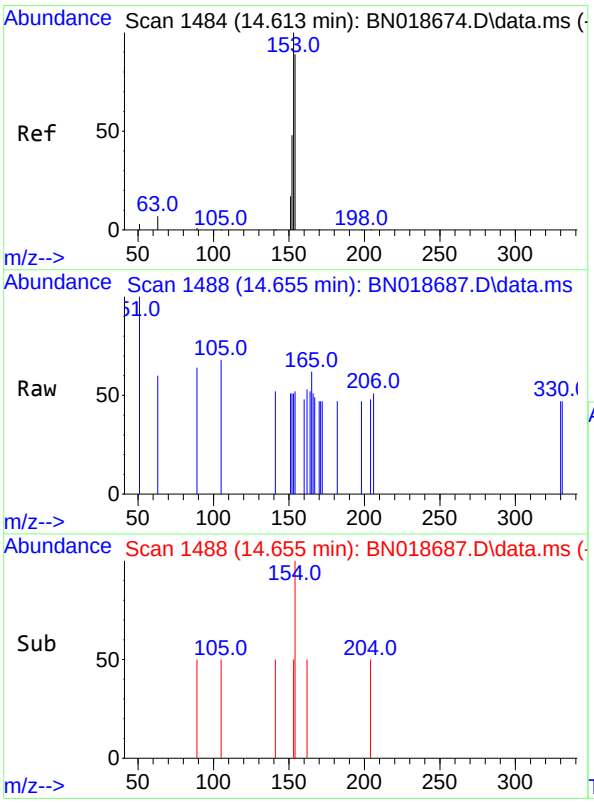
#16
Acenaphthylene
Concen: 0.042 ng
RT: 14.335 min Scan# 14
Delta R.T. 0.064 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:152 Resp: 1

Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.8	23.6#
153	400.0	10.5	15.7#

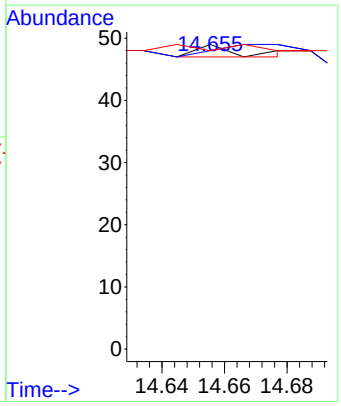


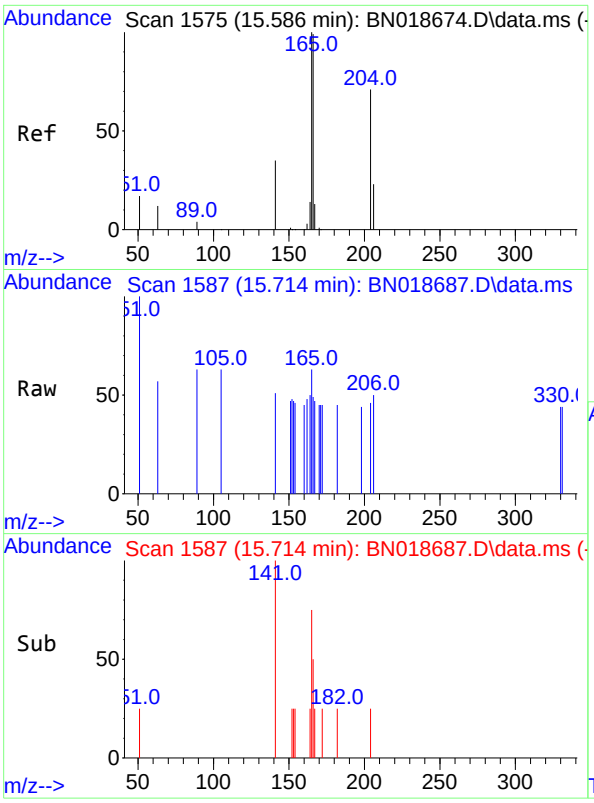


#17
Acenaphthene
Concen: 0.122 ng
RT: 14.655 min Scan# 1488
Delta R.T. 0.043 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:154 Resp: 2

Ion	Ratio	Lower	Upper
154	100		
153	200.0	90.9	136.3#
152	0.0	45.0	67.4#



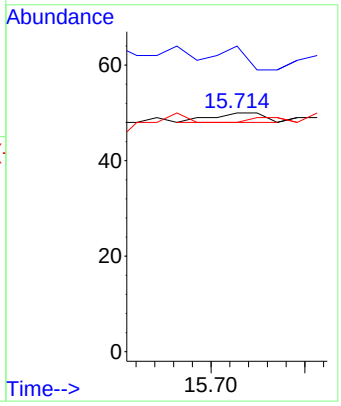


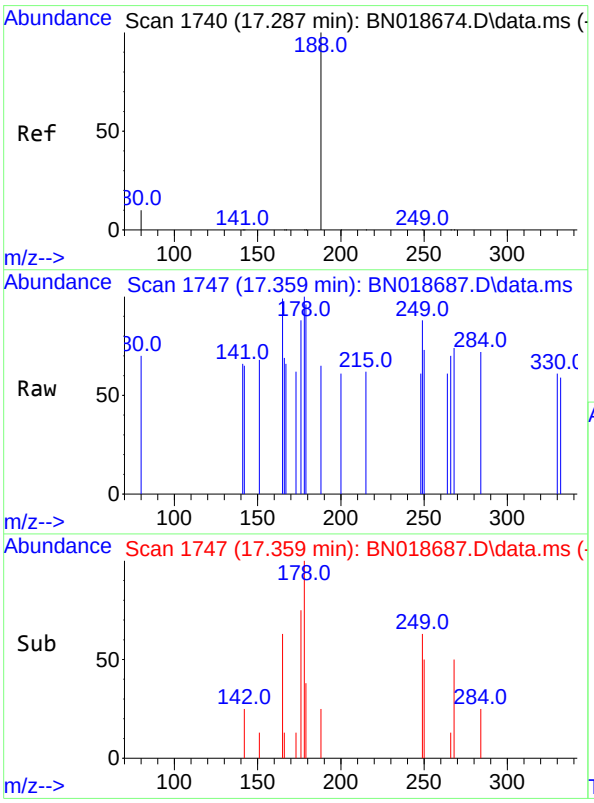
#18
Fluorene
Concen: 0.203 ng
RT: 15.714 min Scan# 1
Delta R.T. 0.128 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:166 Resp: 4

Ion	Ratio	Lower	Upper
166	100		
165	0.0	77.8	116.6#
167	25.0	10.9	16.3#

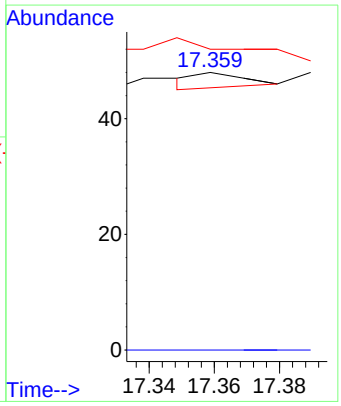


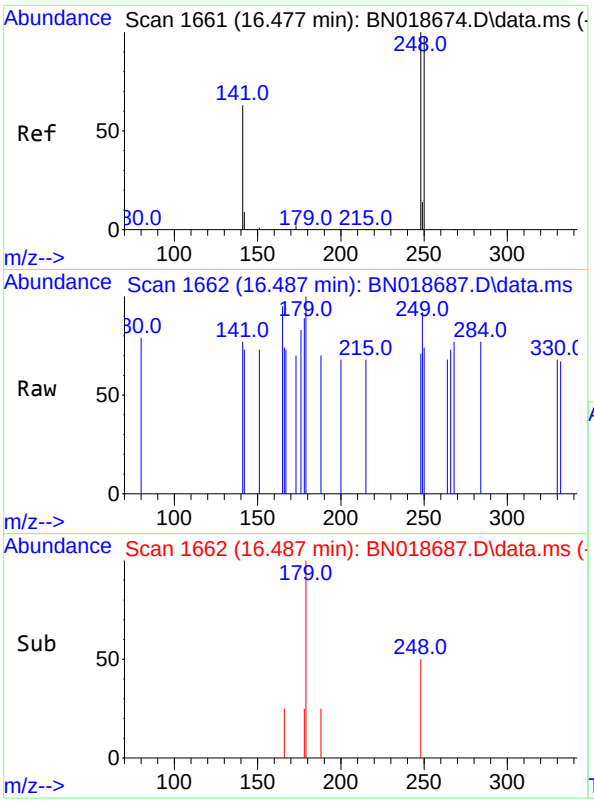


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.359 min Scan# 1747
Delta R.T. 0.072 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:188 Resp: 3

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	108.3	7.0	10.4#



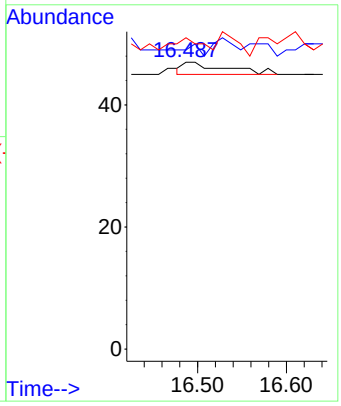


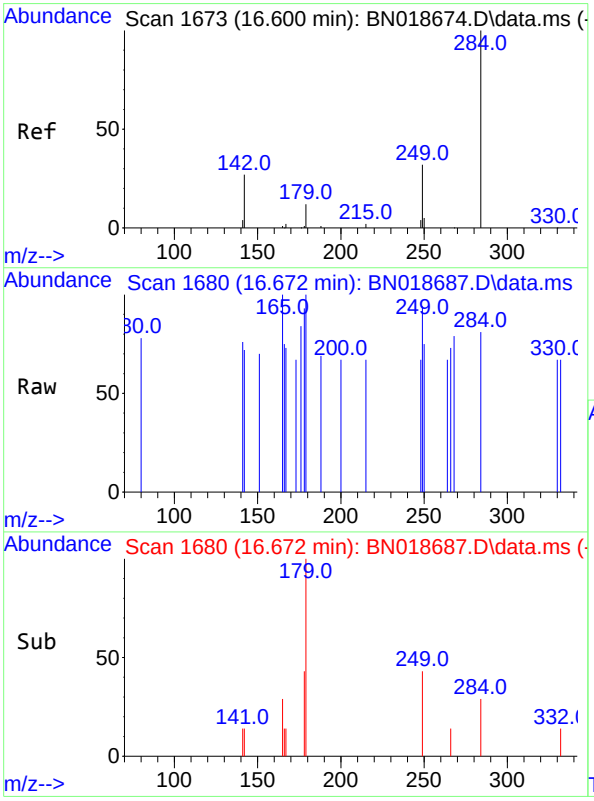
#21
4-Bromophenyl-phenylether
Concen: 3.283 ng
RT: 16.487 min Scan# 1
Delta R.T. 0.010 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:248 Resp: 7

Ion	Ratio	Lower	Upper
248	100		
250	104.3	74.4	111.6
141	108.5	43.7	65.5#

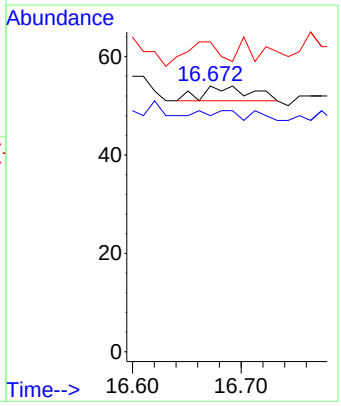


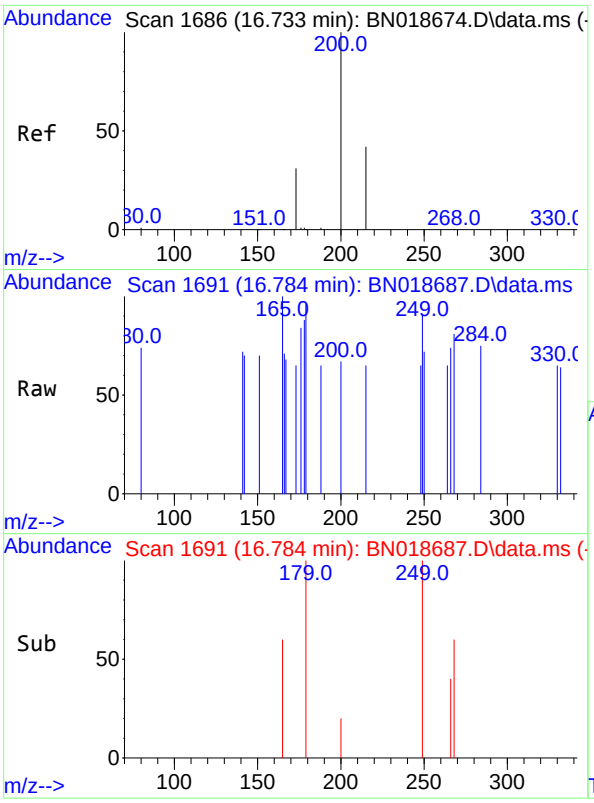


#22
Hexachlorobenzene
Concen: 3.372 ng
RT: 16.672 min Scan# 1680
Delta R.T. 0.072 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:284 Resp: 9

Ion	Ratio	Lower	Upper
284	100		
142	44.4	21.6	32.4#
249	122.2	23.5	35.3#



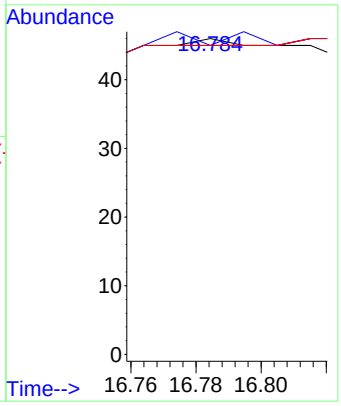


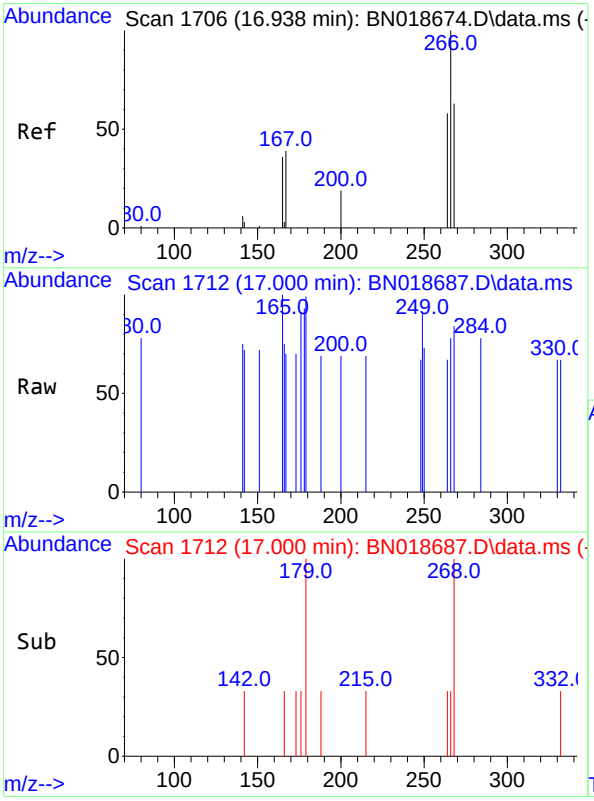
#23
Atrazine
Concen: 0.850 ng
RT: 16.784 min Scan# 1
Delta R.T. 0.051 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:200 Resp: 1

Ion	Ratio	Lower	Upper
200	100		
173	97.8	20.3	30.5#
215	97.8	40.4	60.6#

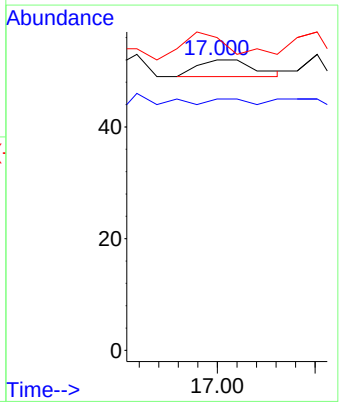


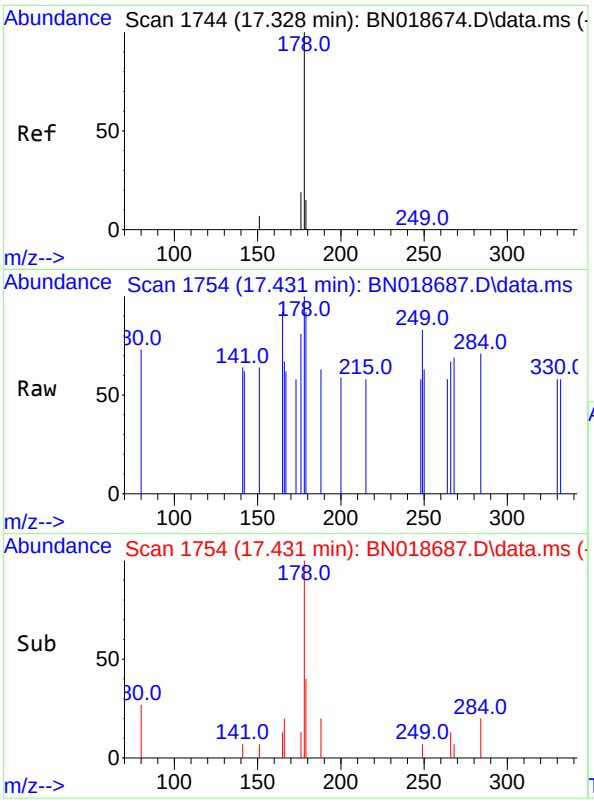


#24
Pentachlorophenol
Concen: 7.241 ng
RT: 17.000 min Scan# 1712
Delta R.T. 0.062 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:266 Resp: 6

Ion	Ratio	Lower	Upper
266	100		
264	16.7	49.5	74.3#
268	150.0	50.6	76.0#



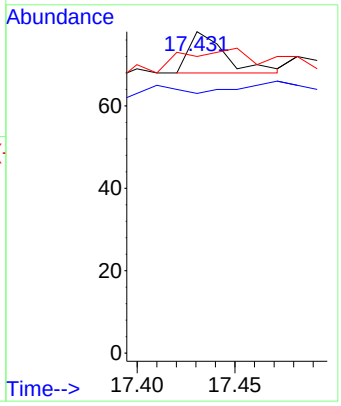


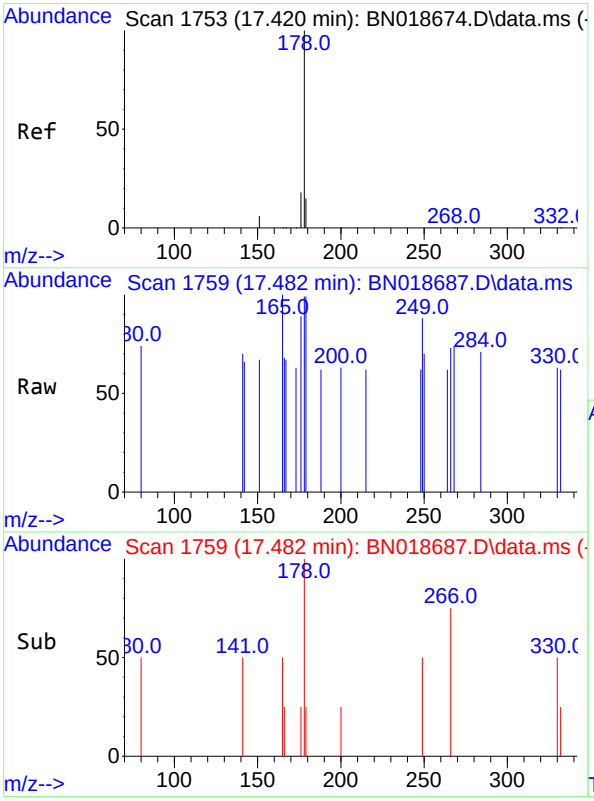
#25
Phenanthrene
Concen: 1.295 ng
RT: 17.431 min Scan# 1
Delta R.T. 0.103 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:178 Resp: 13

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.3	22.9#
179	0.0	12.3	18.5#

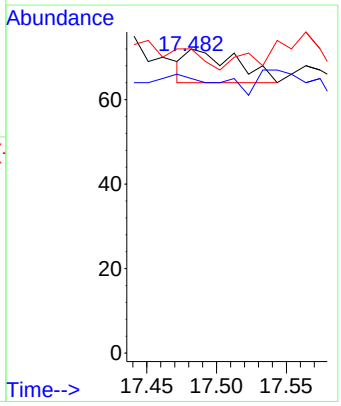


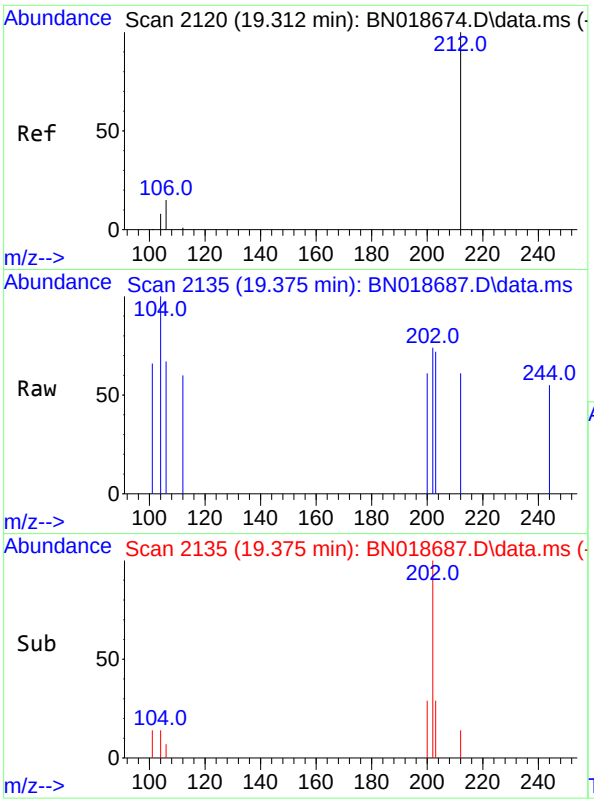


#26
Anthracene
Concen: 2.352 ng
RT: 17.482 min Scan# 1759
Delta R.T. 0.062 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:178 Resp: 20

Ion	Ratio	Lower	Upper
178	100		
176	90.0	14.8	22.2#
179	0.0	12.2	18.4#



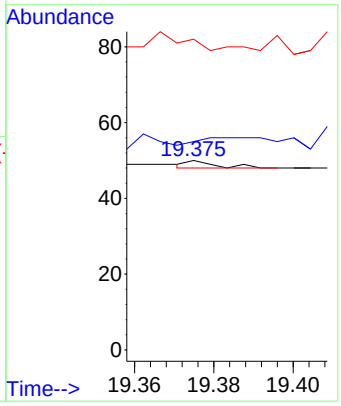


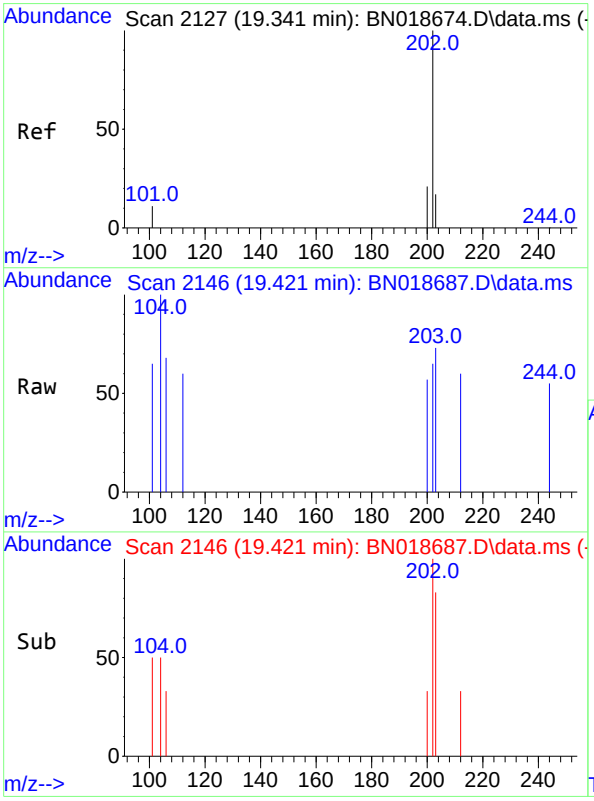
#27
Fluoranthene-d10
Concen: 0.123 ng
RT: 19.375 min Scan# 21
Delta R.T. 0.063 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:212 Resp: 1

Ion	Ratio	Lower	Upper
212	100		
106	300.0	8.4	12.6#
104	0.0	4.5	6.7#

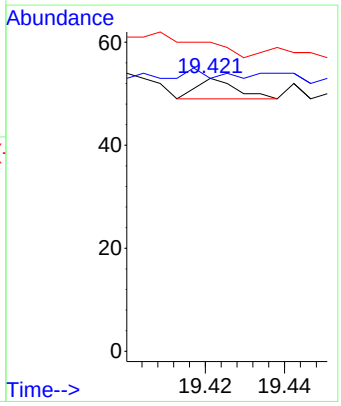


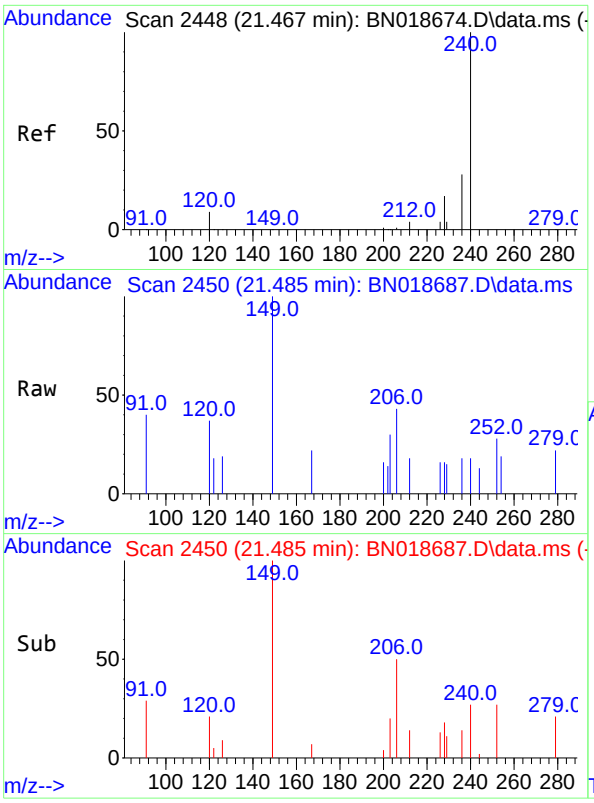


#28
Fluoranthene
Concen: 0.286 ng
RT: 19.421 min Scan# 2146
Delta R.T. 0.080 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:202 Resp: 3

Ion	Ratio	Lower	Upper
202	100		
101	66.7	7.2	10.8#
203	200.0	13.7	20.5#



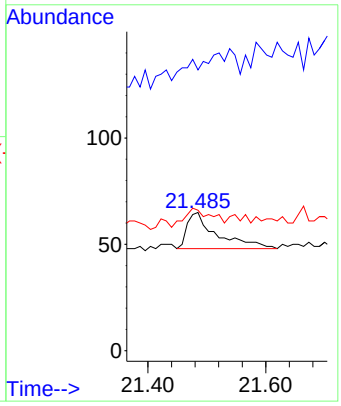


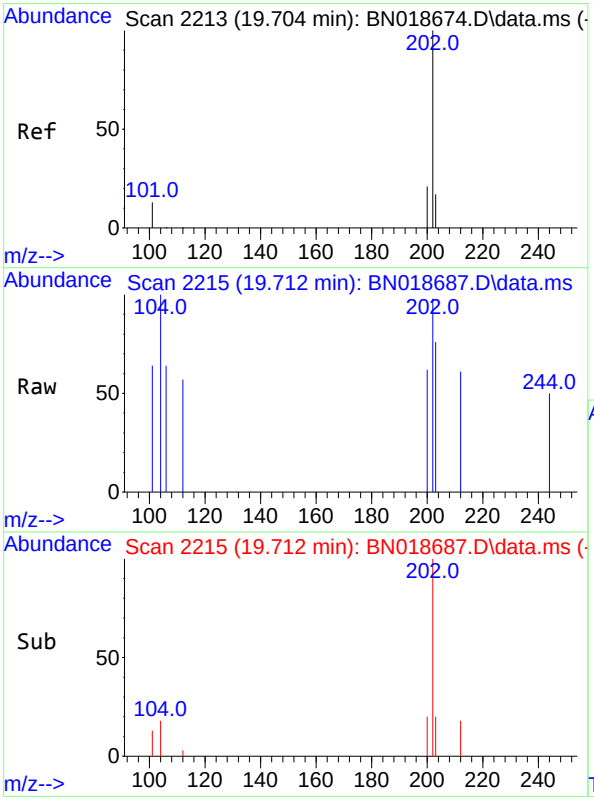
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.485 min Scan# 24
Delta R.T. 0.018 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:240 Resp: 59

Ion	Ratio	Lower	Upper
240	100		
120	203.1	6.0	9.0#
236	101.5	21.4	32.2#

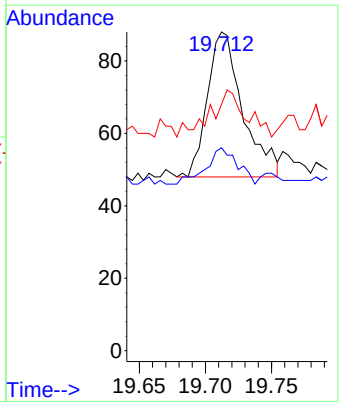


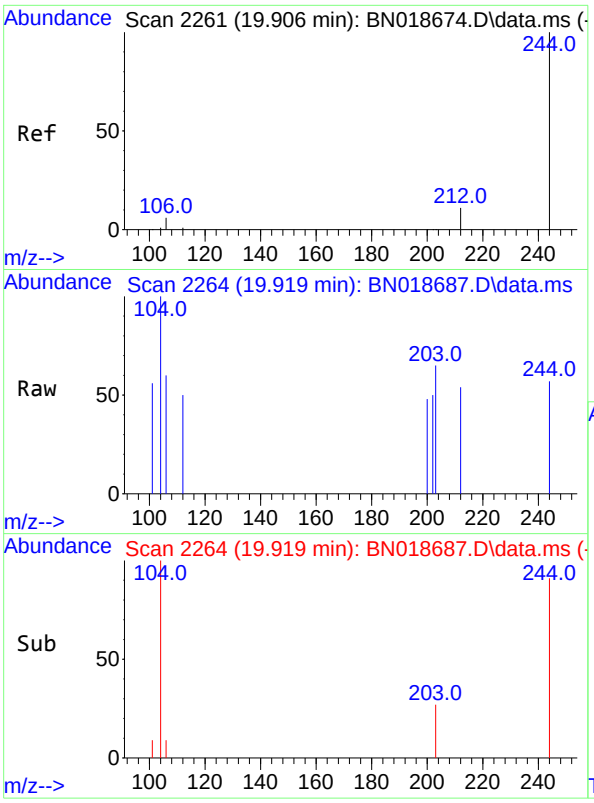


#30
Pyrene
Concen: 0.281 ng
RT: 19.712 min Scan# 2215
Delta R.T. 0.008 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:202 Resp: 74

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	27.0	14.1	21.1#



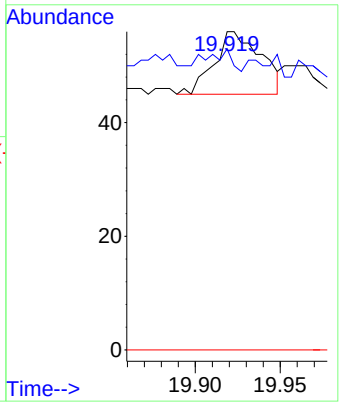


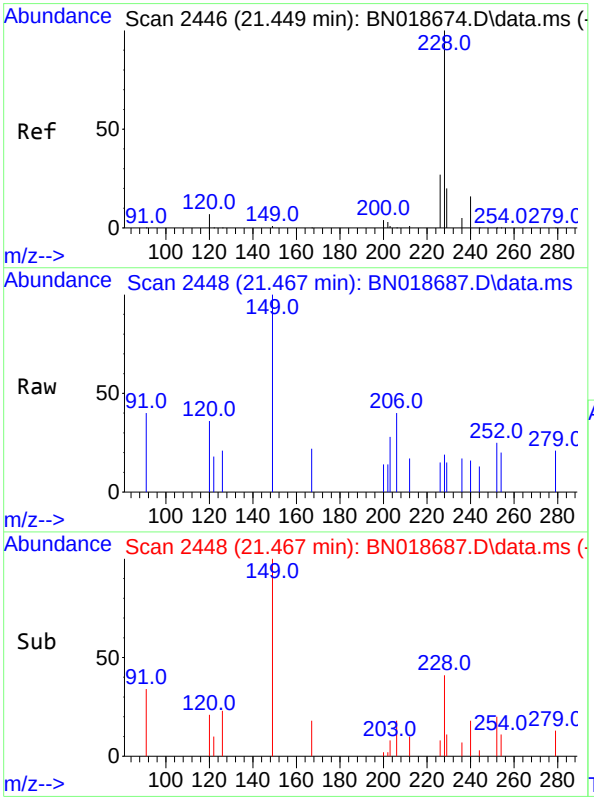
#31
Terphenyl-d14
Concen: 0.164 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.013 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:244 Resp: 21

Ion	Ratio	Lower	Upper
244	100		
212	94.6	6.2	9.2#
122	0.0	7.9	11.9#

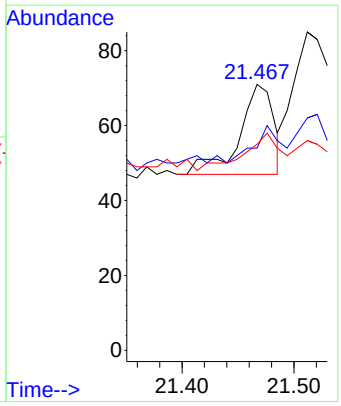


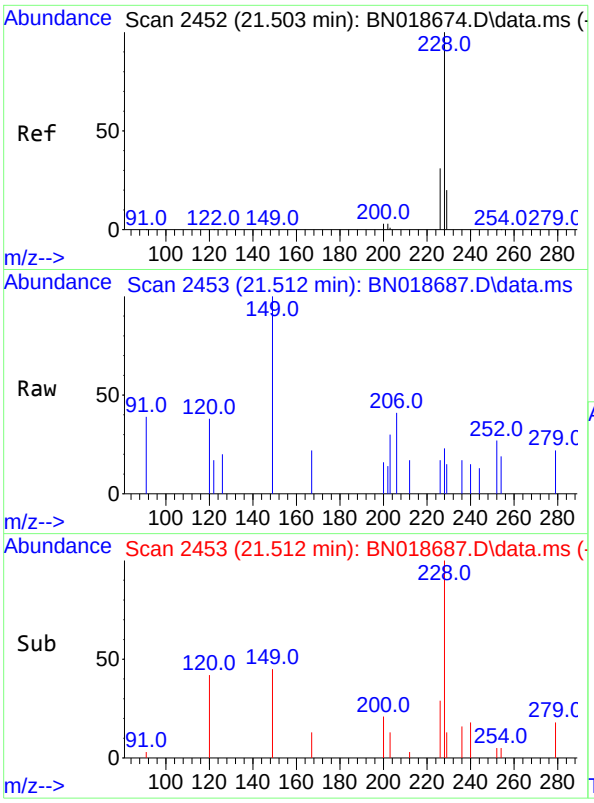


#32
Benzo(a)anthracene
Concen: 0.232 ng
RT: 21.467 min Scan# 2448
Delta R.T. 0.018 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:228 Resp: 52

Ion	Ratio	Lower	Upper
228	100		
226	76.1	21.3	31.9#
229	77.5	15.9	23.9#



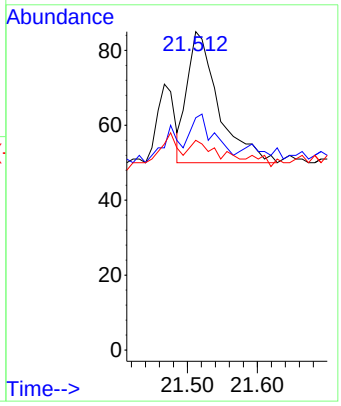


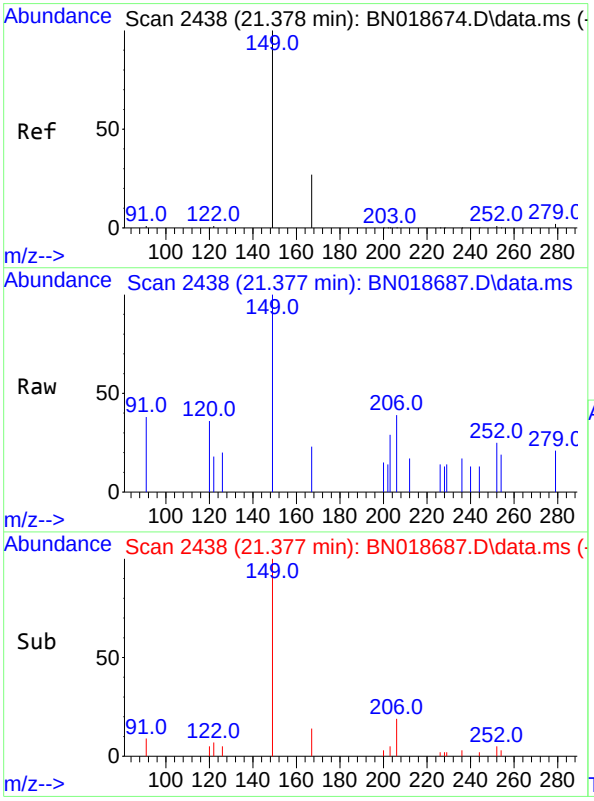
#33
Chrysene
Concen: 0.437 ng
RT: 21.512 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:228 Resp: 109

Ion	Ratio	Lower	Upper
228	100		
226	72.9	24.2	36.4#
229	65.9	15.5	23.3#

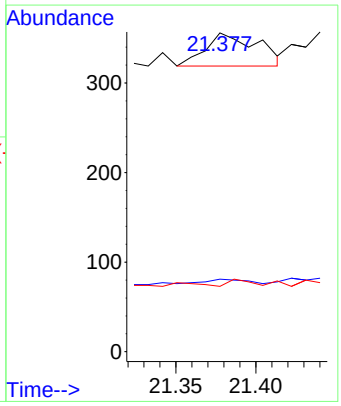


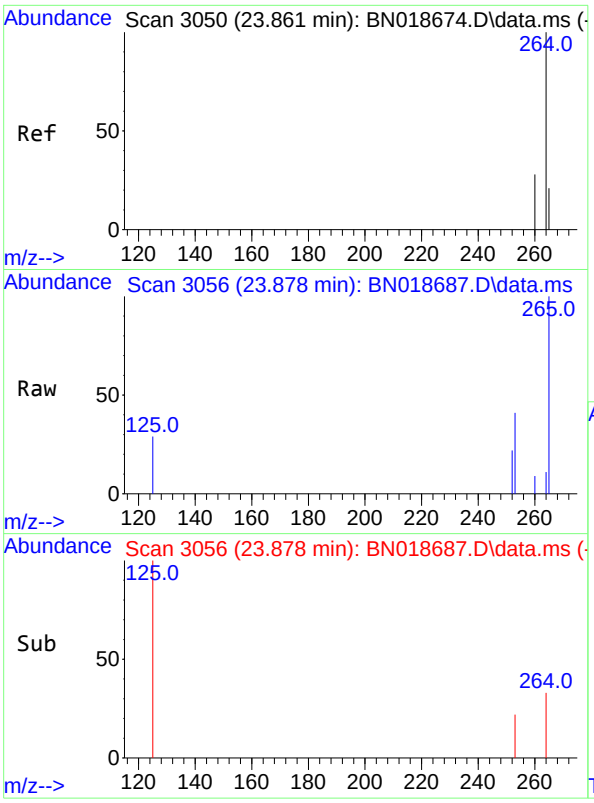


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.913 ng
RT: 21.377 min Scan# 2438
Delta R.T. -0.000 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:149 Resp: 83

Ion	Ratio	Lower	Upper
149	100		
167	15.7	23.7	35.5#
279	9.6	3.6	5.4#



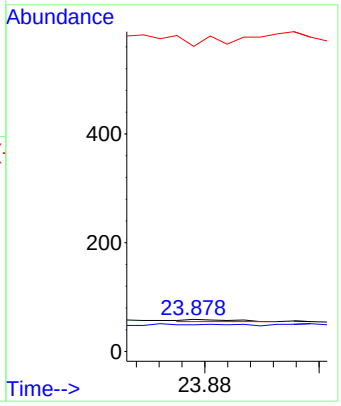


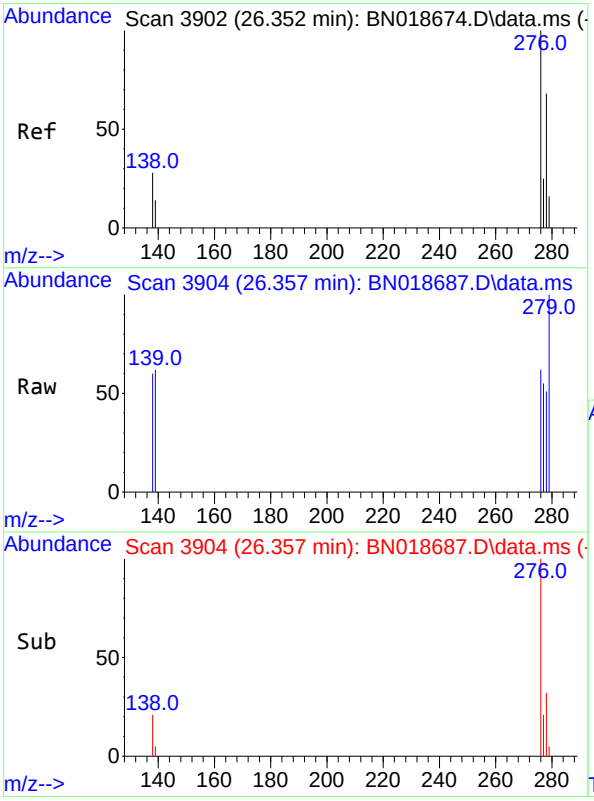
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.878 min Scan# 3
Delta R.T. 0.018 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:264 Resp: 2

Ion	Ratio	Lower	Upper
264	100		
260	83.1	20.2	30.4#
265	950.8	18.2	27.2#

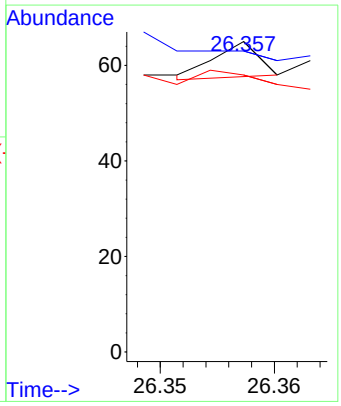


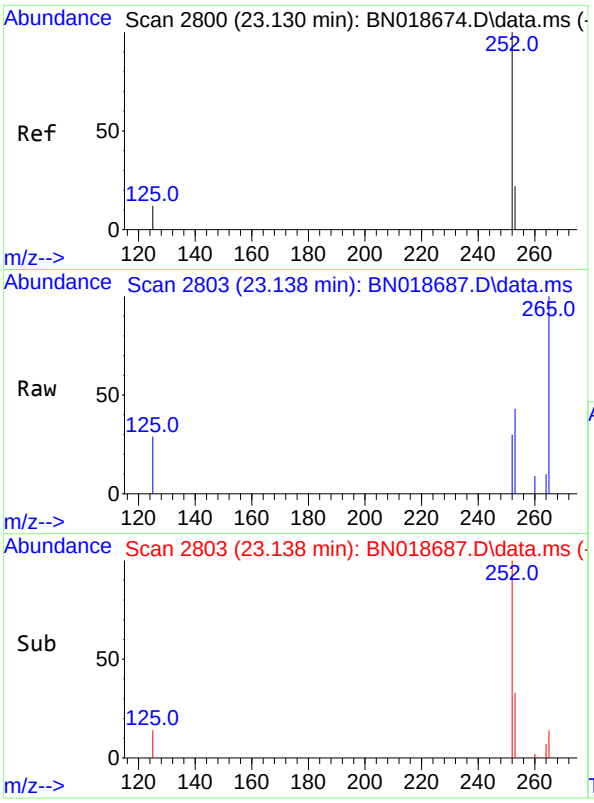


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.189 ng
RT: 26.357 min Scan# 3904
Delta R.T. 0.006 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:276 Resp: 2

Ion	Ratio	Lower	Upper
276	100		
138	250.0	14.9	22.3#
277	100.0	19.9	29.9#



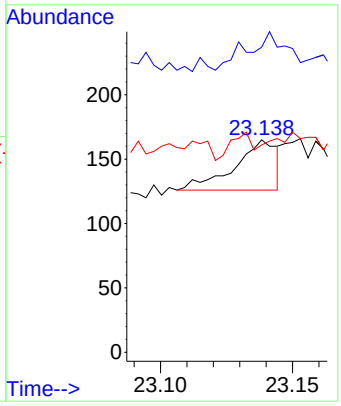


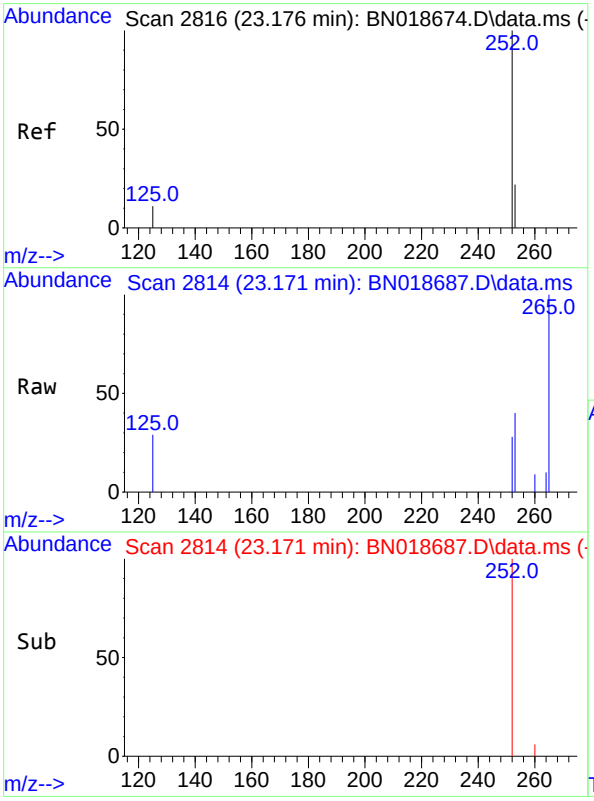
#37
Benzo(b)fluoranthene
Concen: 4.732 ng
RT: 23.138 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:252 Resp: 43

Ion	Ratio	Lower	Upper
252	100		
253	143.6	17.8	26.6#
125	97.6	6.0	9.0#

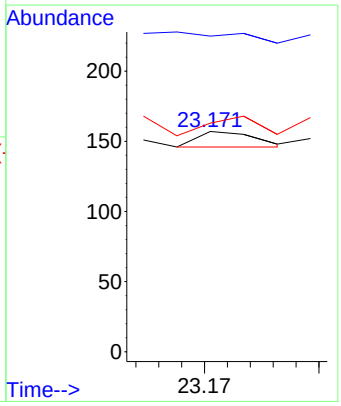


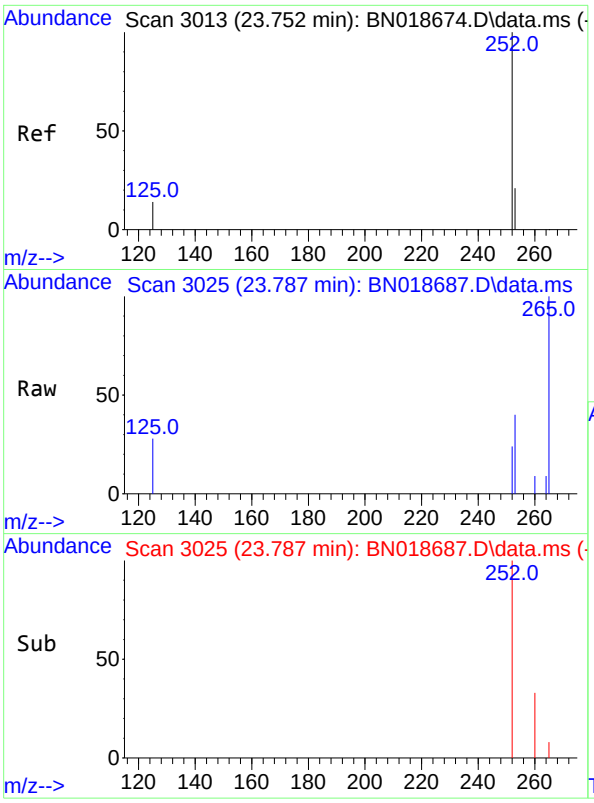


#38
Benzo(k)fluoranthene
Concen: 0.444 ng
RT: 23.171 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:252 Resp: 4

Ion	Ratio	Lower	Upper
252	100		
253	143.3	17.7	26.5#
125	103.8	6.2	9.2#



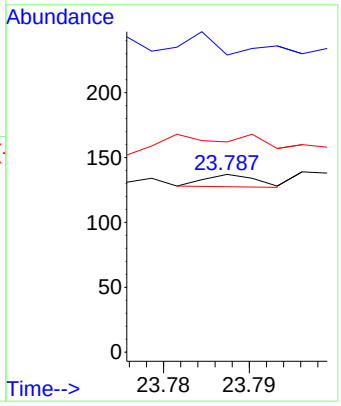


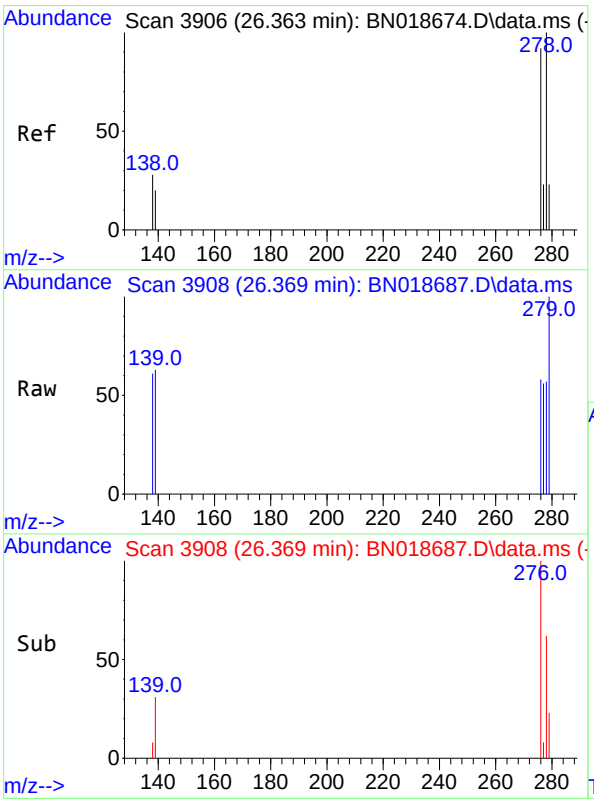
#39
Benzo(a)pyrene
Concen: 0.552 ng
RT: 23.787 min Scan# 3
Delta R.T. 0.035 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:252 Resp: 4

Ion	Ratio	Lower	Upper
252	100		
253	167.2	17.8	26.6#
125	118.2	7.0	10.4#

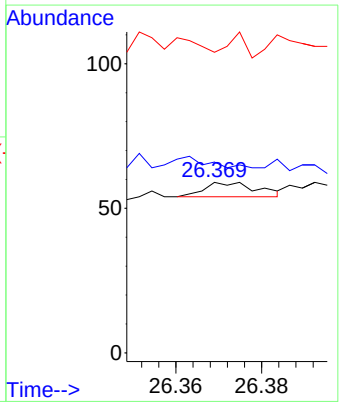


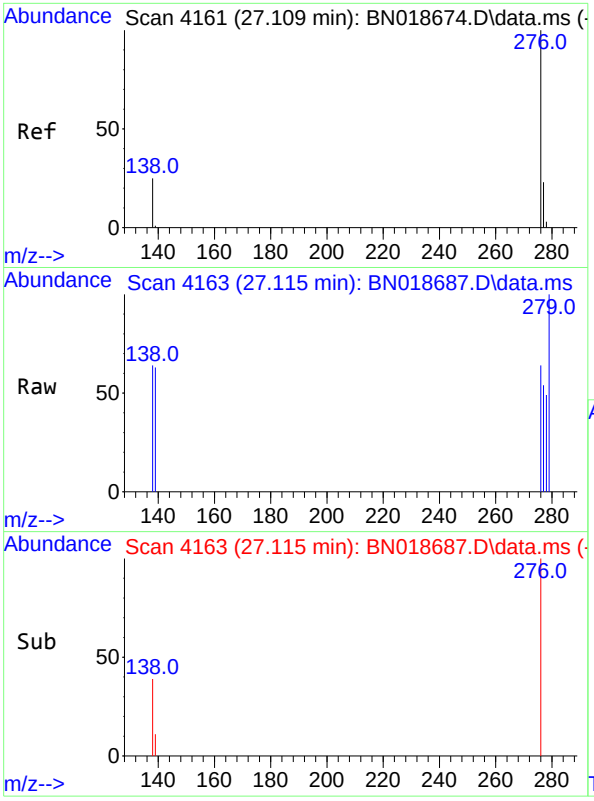


#40
Dibenzo(a,h)anthracene
Concen: 0.486 ng
RT: 26.369 min Scan# 3908
Delta R.T. 0.006 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Tgt Ion:278 Resp: 4

Ion	Ratio	Lower	Upper
278	100		
139	111.9	10.8	16.2#
279	176.3	19.0	28.4#





#41
Benzo(g,h,i)perylene
Concen: 1.107 ng
RT: 27.115 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN018687.D
Acq: 22 Feb 2022 21:22

Instrument :
BNA_N
ClientSampleId :
RW7B-GW-20220209

Tgt Ion:276 Resp: 10

Ion	Ratio	Lower	Upper
276	100		
277	85.1	19.0	28.6#
138	100.0	12.6	19.0#