Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022222\
Data File : BN018684.D
Acq On : 22 Feb 2022 19:31
Operator : CG/JU
Sample : N1587-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Quant Time: Feb 23 02:17:29 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	7.912	152	6	0.400	ng	# 0.00
7) Naphthalene-d8	10.722	136	4	0.400	ng	# 0.00
13) Acenaphthene-d10	14.591	164	10	0.400	ng	# 0.04
19) Phenanthrene-d10	17.297	188	23	0.400	ng	# 0.01
29) Chrysene-d12	21.476	240	49	0.400	ng	# 0.00
35) Perylene-d12	23.875	264	2	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	4	0.291	ng	-0.03
5) Phenol-d6	7.067	99	2	0.127	ng	0.00
8) Nitrobenzene-d5	9.078	82	5	1.617	ng	0.01
11) 2-Methylnaphthalene-d10	12.295	152	2	0.332	ng	-0.02
14) 2,4,6-Tribromophenol	16.056	330	6	1.537	ng	0.03
15) 2-Fluorobiphenyl	13.191	172	15	0.316	ng	0.01
27) Fluoranthene-d10	19.324	212	6	0.096	ng	0.01
31) Terphenyl-d14	19.914	244	24	0.226	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.348	88	6	0.861	ng	# 55
3) n-Nitrosodimethylamine	3.636	42	19	2.749	ng	# 1
6) bis(2-Chloroethyl)ether	7.320	93	10	0.616	ng	# 36
9) Naphthalene	10.818	128	4	0.347	ng	# 1
10) Hexachlorobutadiene	11.043	225	5	1.801	ng	# 44
16) Acenaphthylene	14.356	152	4	0.084	ng	# 62
17) Acenaphthene	14.645	154	3	0.092	ng	# 4
18) Fluorene	15.692	166	7	0.178	ng	# 59
21) 4-Bromophenyl-phenylether	16.497	248	5	0.306	ng	# 64
22) Hexachlorobenzene	16.610	284	7	0.342	ng	# 1
23) Atrazine	16.702	200	4	0.443	ng	# 2
24) Pentachlorophenol	16.979	266	4	0.771	ng	# 19
25) Phenanthrene	17.338	178	57	0.740	ng	# 78
26) Anthracene	17.441	178	34	0.522	ng	# 37
28) Fluoranthene	19.354	202	79	0.982	ng	# 72
30) Pyrene	19.712	202	100	0.457	ng	96
32) Benzo(a)anthracene	21.476	228	54	0.291	ng	# 1
33) Chrysene	21.512	228	98	0.473	ng	# 20
34) Bis(2-ethylhexyl)phtha...	21.377	149	115	1.523	ng	# 67
36) Indeno(1,2,3-cd)pyrene	26.331	276	25	2.367	ng	# 61
37) Benzo(b)fluoranthene	23.141	252	77	8.474	ng	# 1
38) Benzo(k)fluoranthene	23.182	252	4	0.444	ng	# 1
39) Benzo(a)pyrene	23.755	252	7	0.966	ng	# 1
40) Dibenzo(a,h)anthracene	26.375	278	5	0.607	ng	# 1
41) Benzo(g,h,i)perylene	27.103	276	48	5.313	ng	# 1

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

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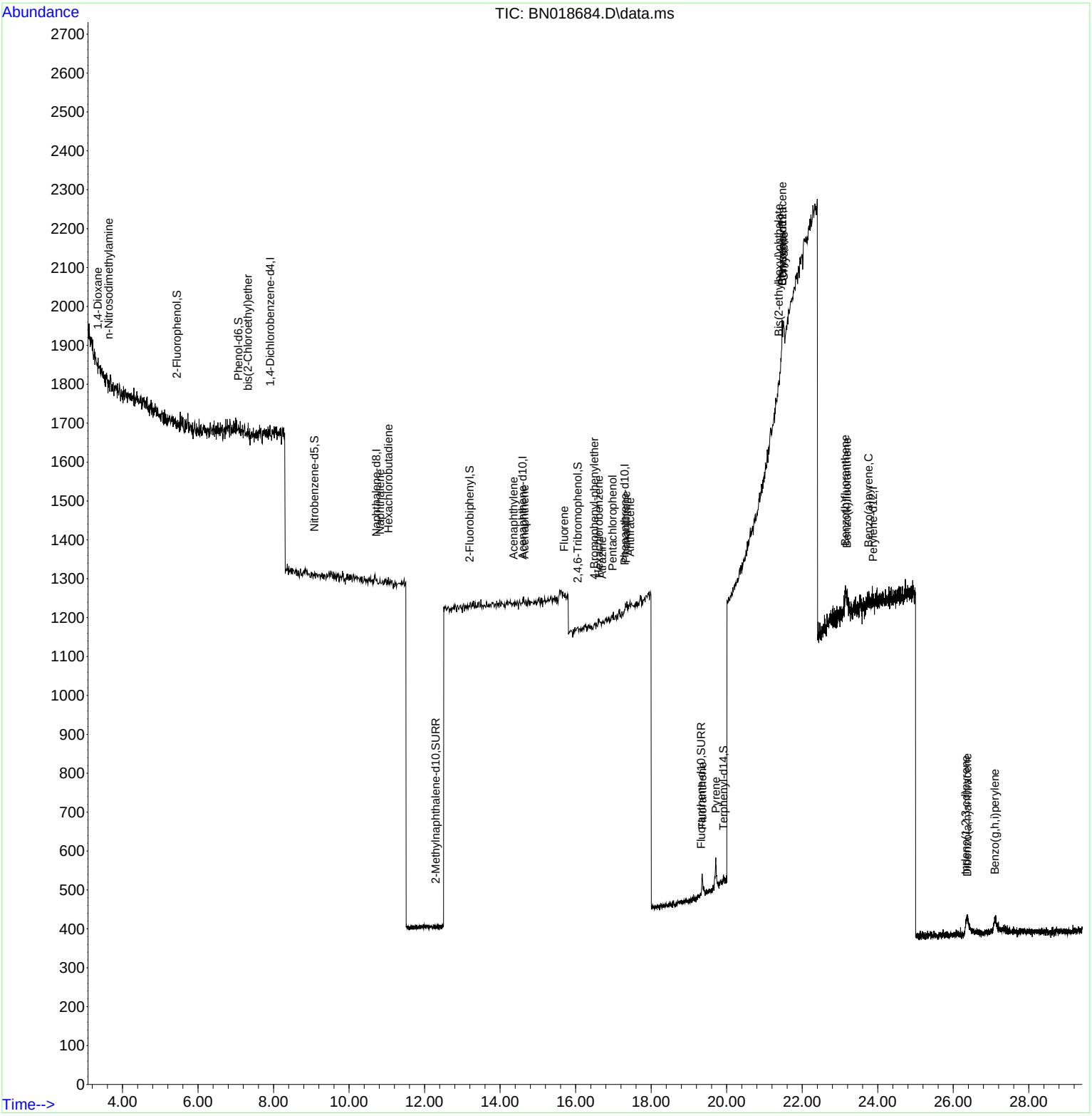
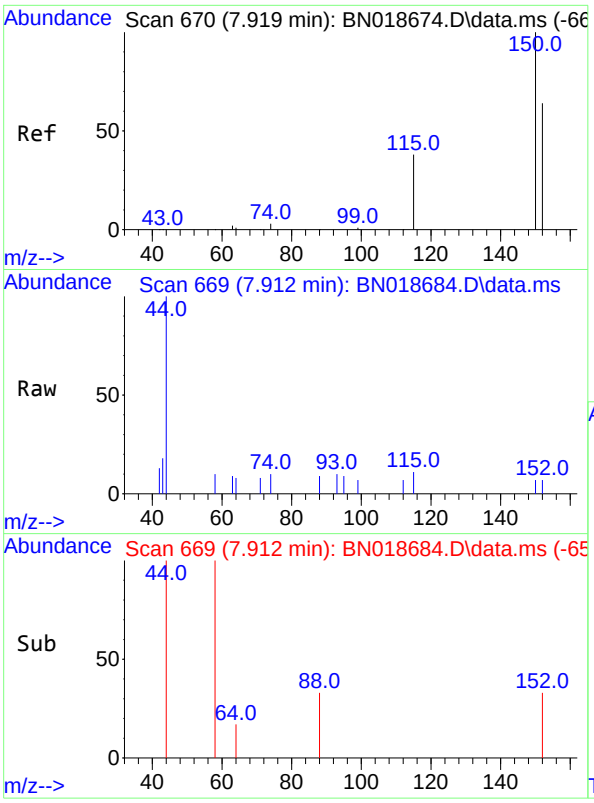
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration



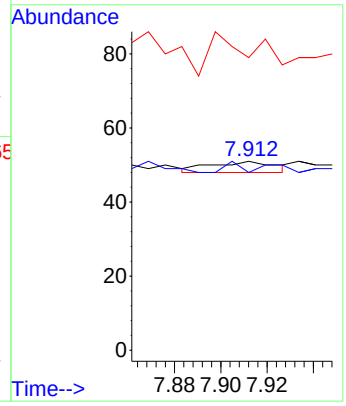


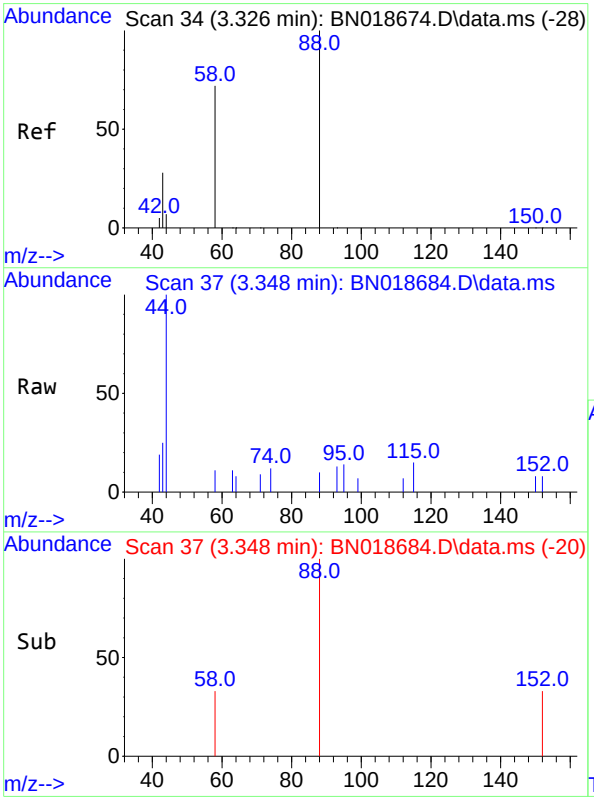
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.912 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:152 Resp: 6

Ion	Ratio	Lower	Upper
152	100		
150	94.1	121.7	182.5#
115	154.9	43.8	65.8#

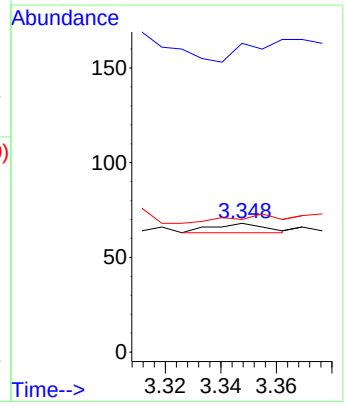


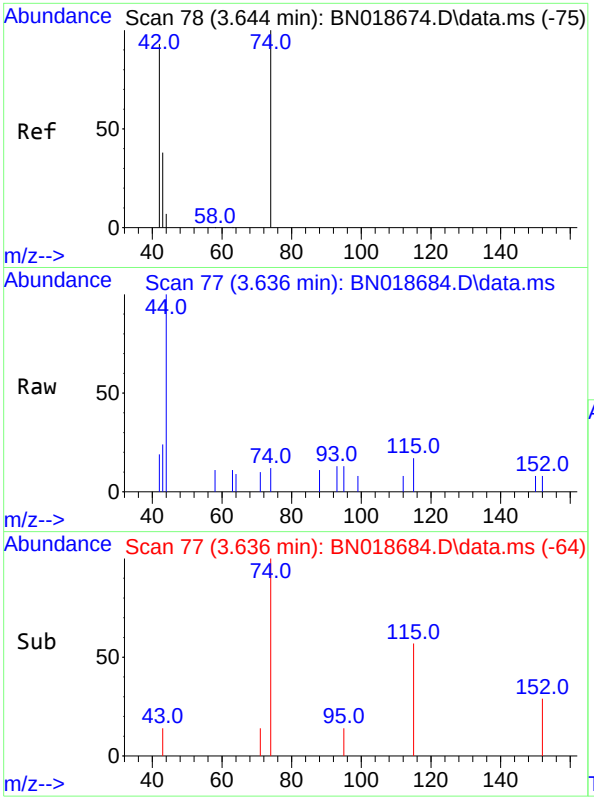


#2
1,4-Dioxane
Concen: 0.861 ng
RT: 3.348 min Scan# 37
Delta R.T. 0.022 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion: 88 Resp: 6

Ion	Ratio	Lower	Upper
88	100		
43	0.0	69.7	104.5#
58	100.0	83.8	125.8



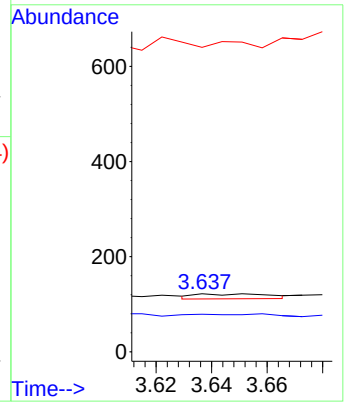


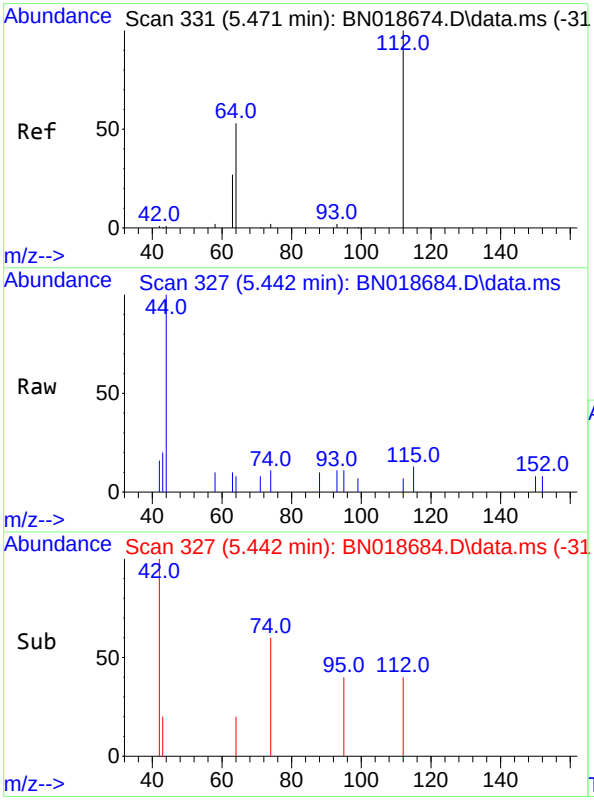
#3
n-Nitrosodimethylamine
Concen: 2.749 ng
RT: 3.636 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion: 42 Resp: 19

Ion	Ratio	Lower	Upper
42	100		
74	0.0	108.6	163.0#
44	68.4	5.8	8.8#

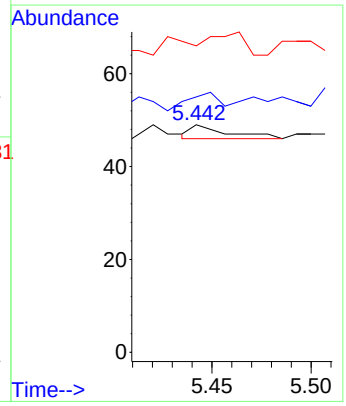


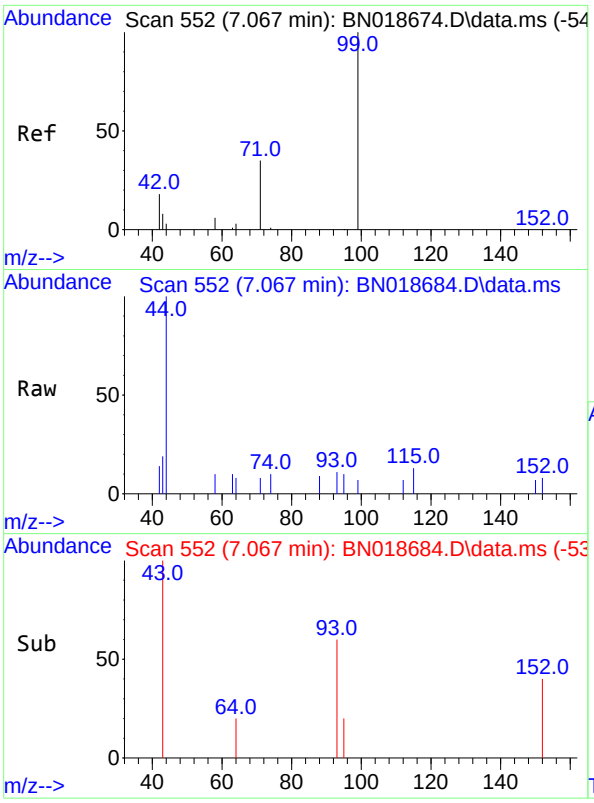


#4
2-Fluorophenol
Concen: 0.291 ng
RT: 5.442 min Scan# 327
Delta R.T. -0.029 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:112 Resp: 4

Ion	Ratio	Lower	Upper
112	100		
64	100.0	48.0	72.0#
63	0.0	25.3	37.9#



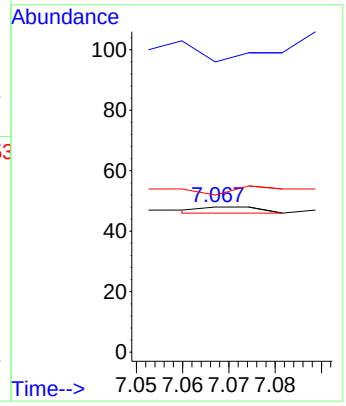


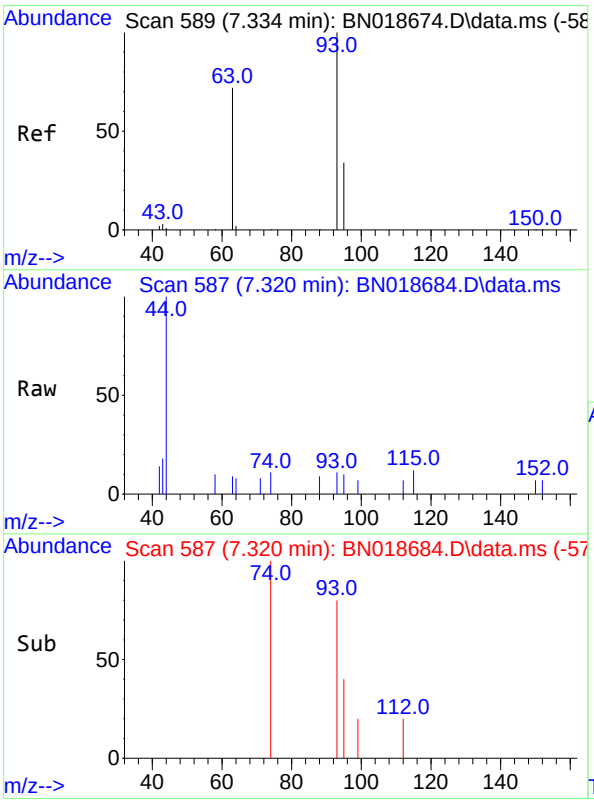
#5
Phenol-d6
Concen: 0.127 ng
RT: 7.067 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion: 99 Resp: 2

Ion	Ratio	Lower	Upper
99	100		
42	350.0	16.3	24.5#
71	150.0	26.8	40.2#

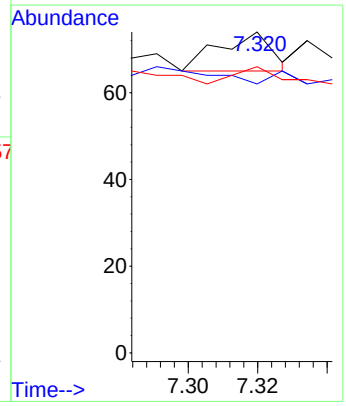


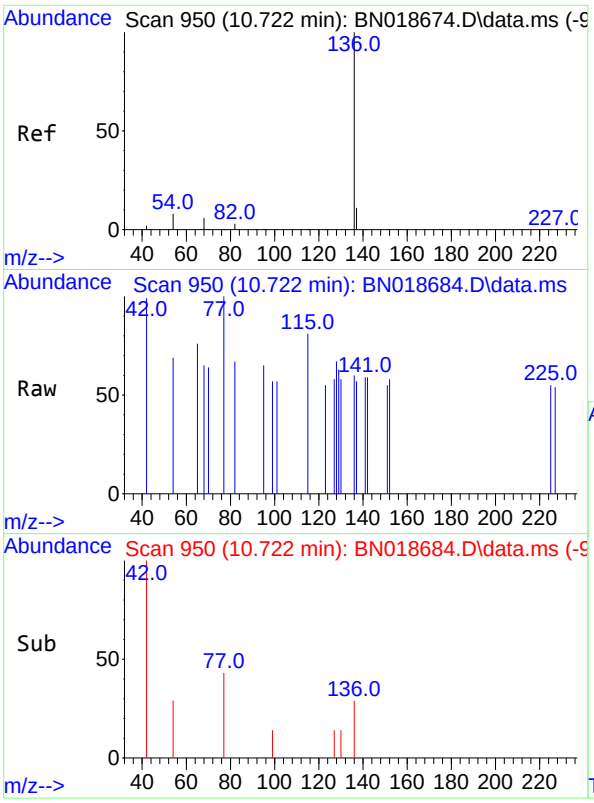


#6
bis(2-Chloroethyl)ether
Concen: 0.616 ng
RT: 7.320 min Scan# 587
Delta R.T. -0.015 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion: 93 Resp: 10

Ion	Ratio	Lower	Upper
93	100		
63	0.0	61.7	92.5#
95	30.0	26.2	39.4



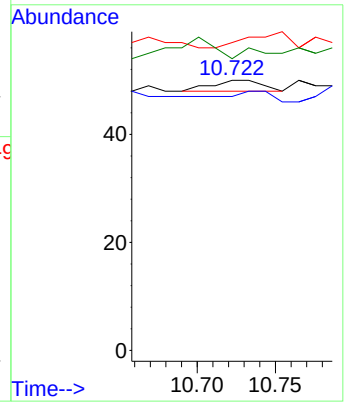


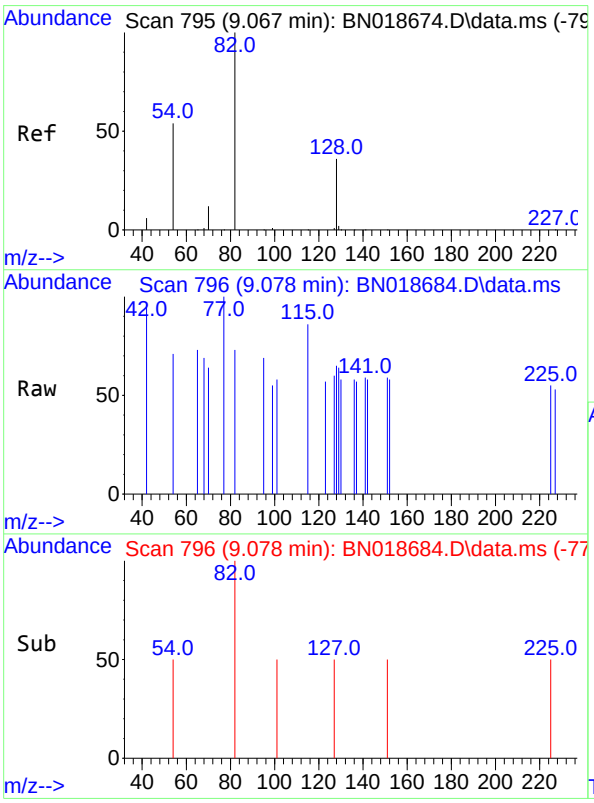
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.722 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:136 Resp: 4

Ion	Ratio	Lower	Upper
136	100		
137	94.0	8.8	13.2#
54	114.0	5.0	7.6#
68	108.0	4.4	6.6#

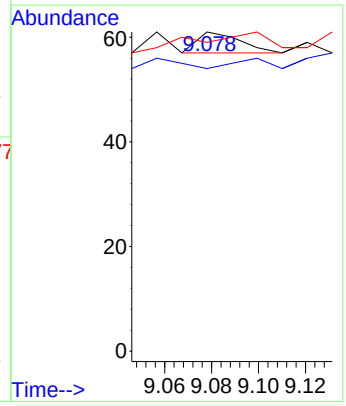


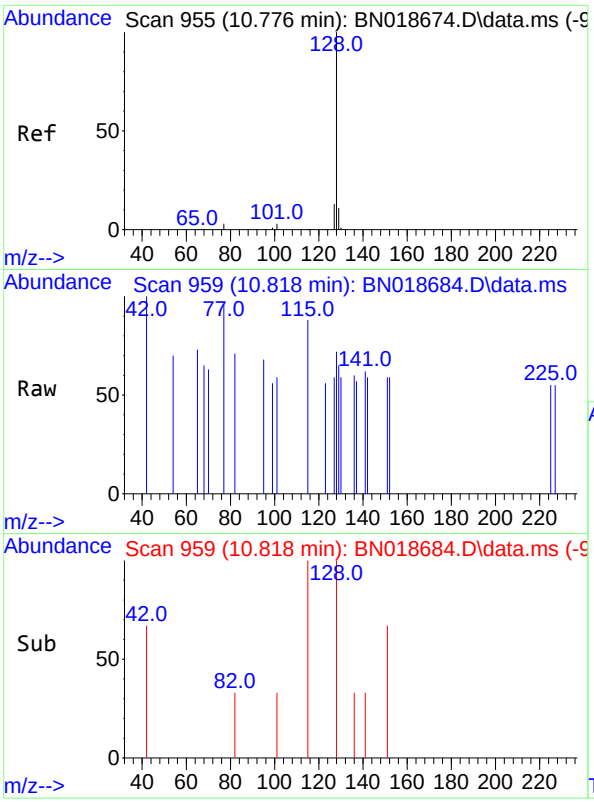


#8
Nitrobenzene-d5
Concen: 1.617 ng
RT: 9.078 min Scan# 796
Delta R.T. 0.011 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion: 82 Resp: 5

Ion	Ratio	Lower	Upper
82	100		
128	88.5	33.7	50.5#
54	96.7	36.6	55.0#



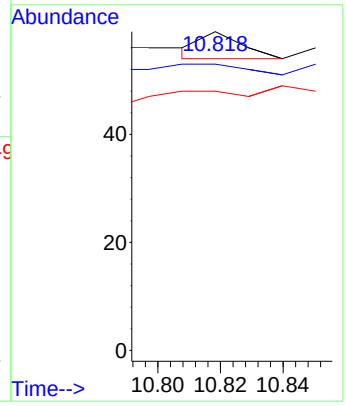


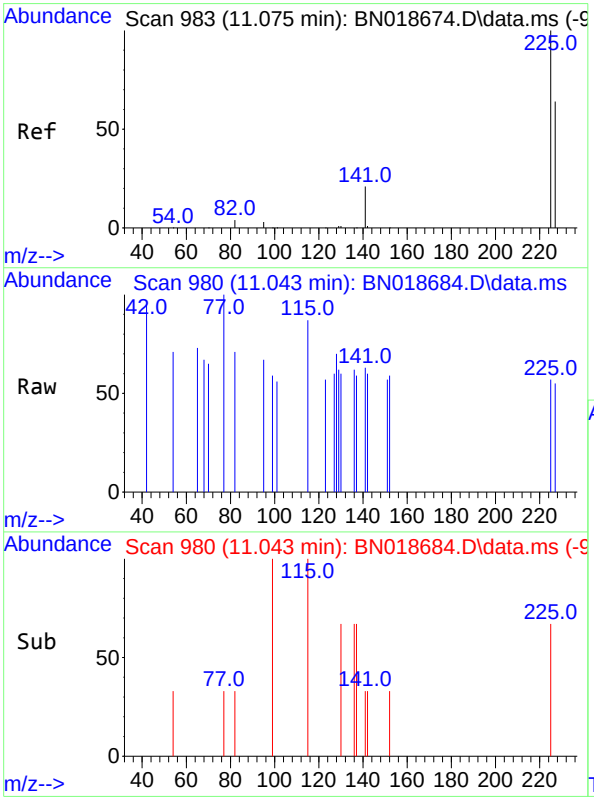
#9
Naphthalene
Concen: 0.347 ng
RT: 10.818 min Scan# 9
Delta R.T. 0.043 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:128 Resp: 4

Ion	Ratio	Lower	Upper
128	100		
129	89.8	8.7	13.1#
127	81.4	10.4	15.6#

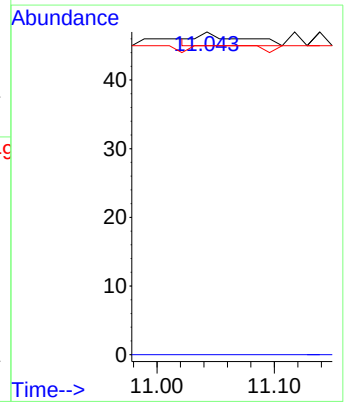


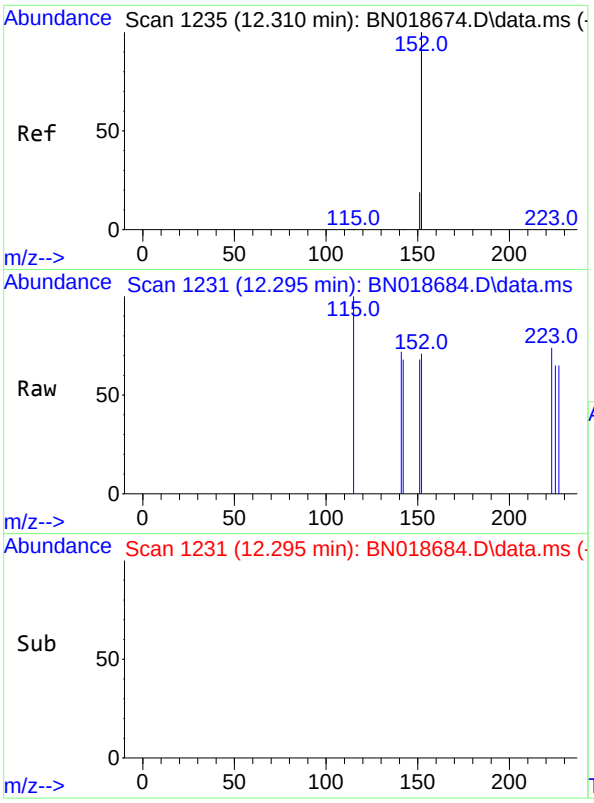


#10
Hexachlorobutadiene
Concen: 1.801 ng
RT: 11.043 min Scan# 980
Delta R.T. -0.032 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:225 Resp: 5

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	20.0	51.0	76.6#



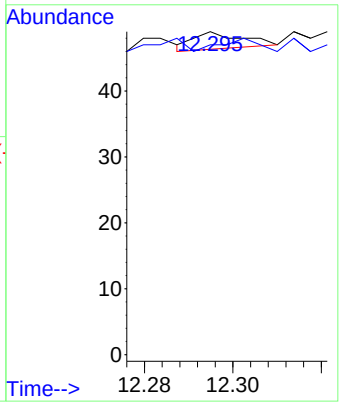


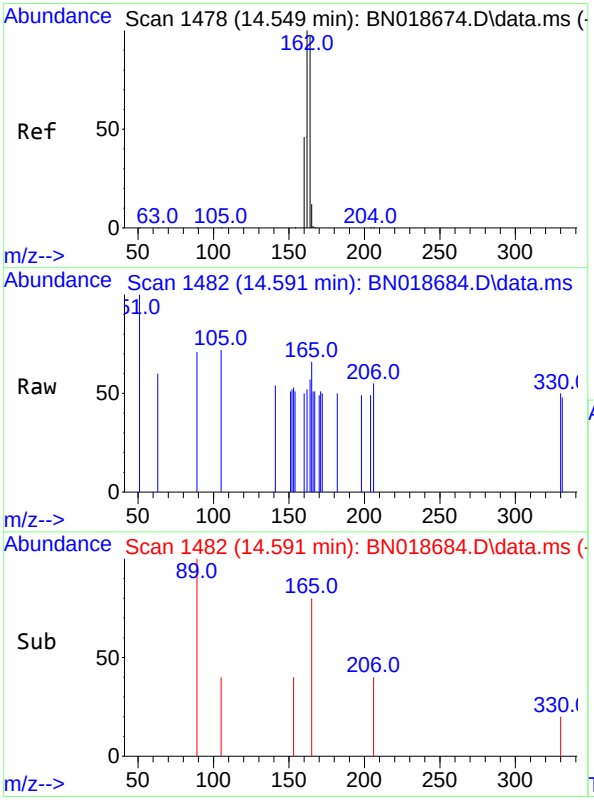
#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.295 min Scan# 1
Delta R.T. -0.015 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:152 Resp: 2

Ion	Ratio	Lower	Upper
152	100		
151	50.0	16.2	24.2#

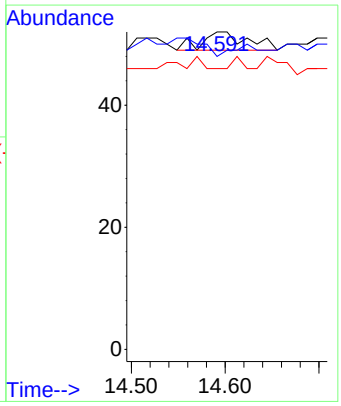


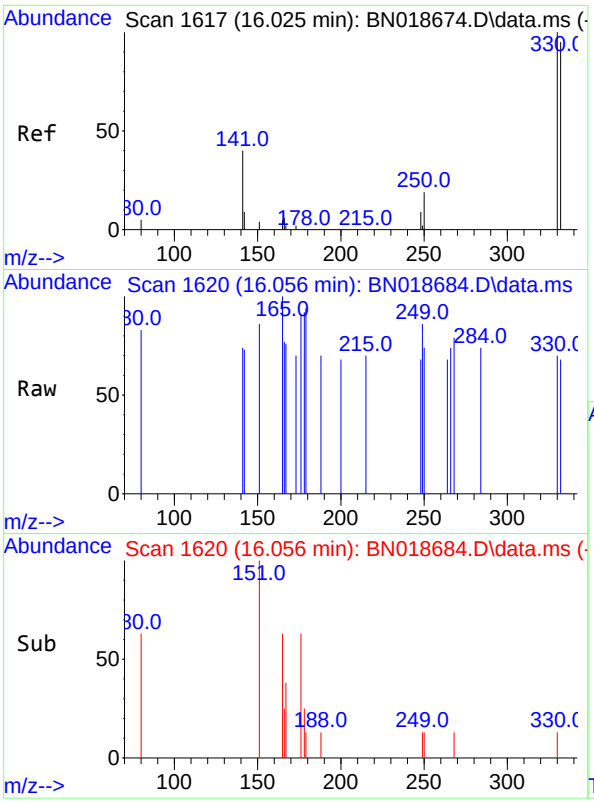


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.591 min Scan# 1482
Delta R.T. 0.042 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:164 Resp: 10

Ion	Ratio	Lower	Upper
164	100		
162	92.3	80.2	120.2
160	88.5	36.9	55.3#



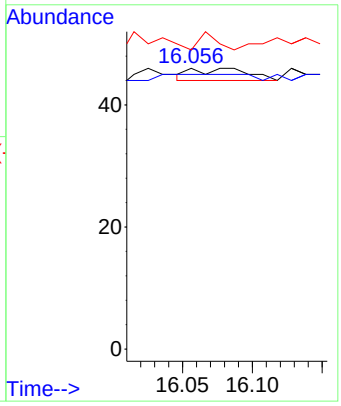


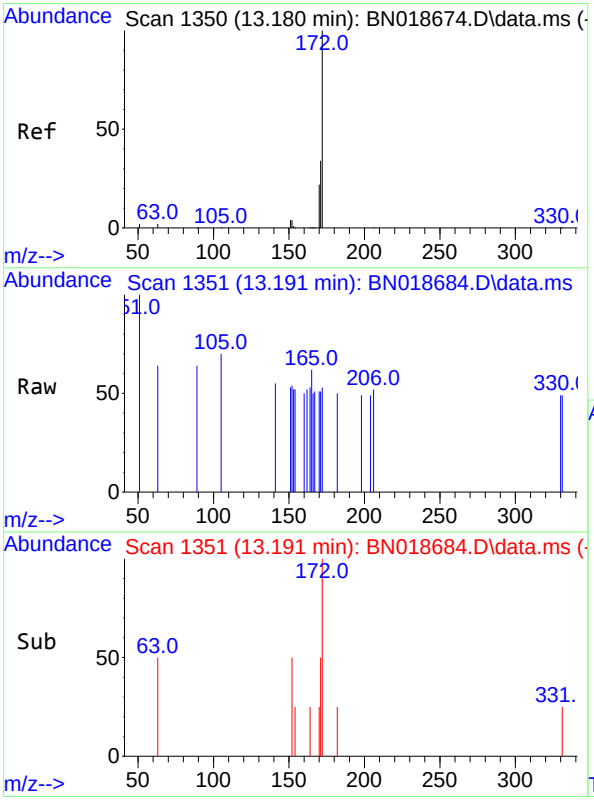
#14
2,4,6-Tribromophenol
Concen: 1.537 ng
RT: 16.056 min Scan# 1
Delta R.T. 0.031 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:330 Resp: 6

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.3	21.3	31.9#

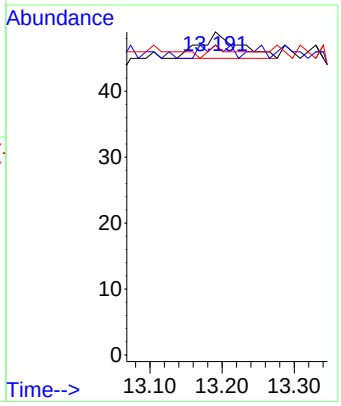


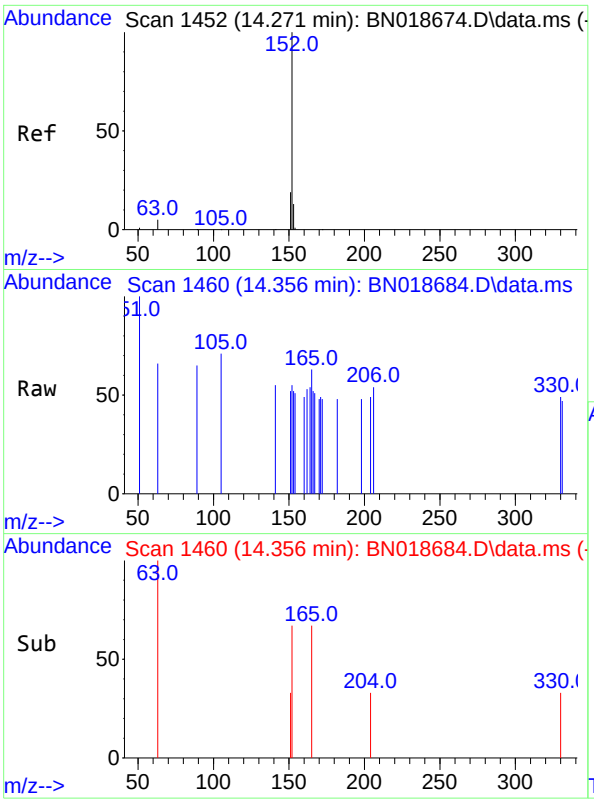


#15
2-Fluorobiphenyl
Concen: 0.316 ng
RT: 13.191 min Scan# 1351
Delta R.T. 0.011 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:172 Resp: 15

Ion	Ratio	Lower	Upper
172	100		
171	95.9	27.4	41.0#
170	95.9	18.4	27.6#



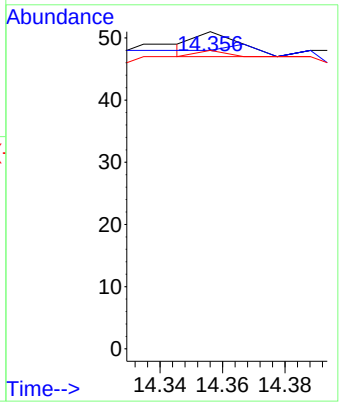


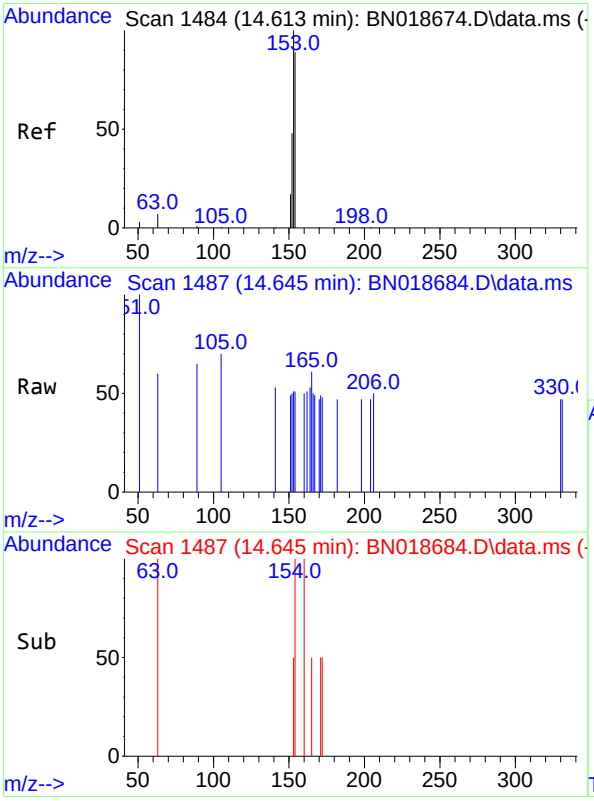
#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.356 min Scan# 14
Delta R.T. 0.085 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:152 Resp: 4

Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.8	23.6#
153	25.0	10.5	15.7#

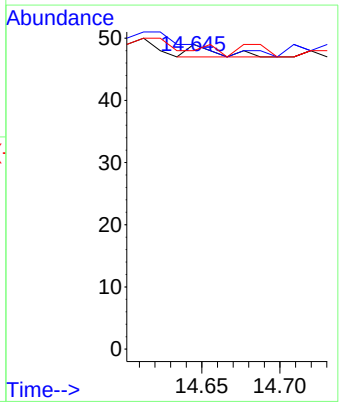


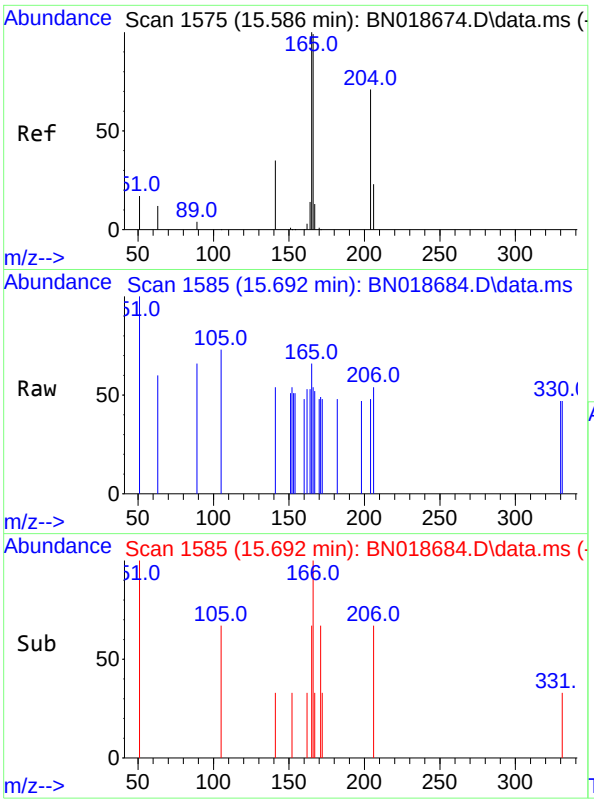


#17
Acenaphthene
Concen: 0.092 ng
RT: 14.645 min Scan# 1487
Delta R.T. 0.032 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:154 Resp: 3

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



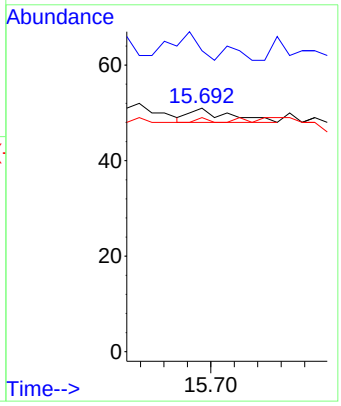


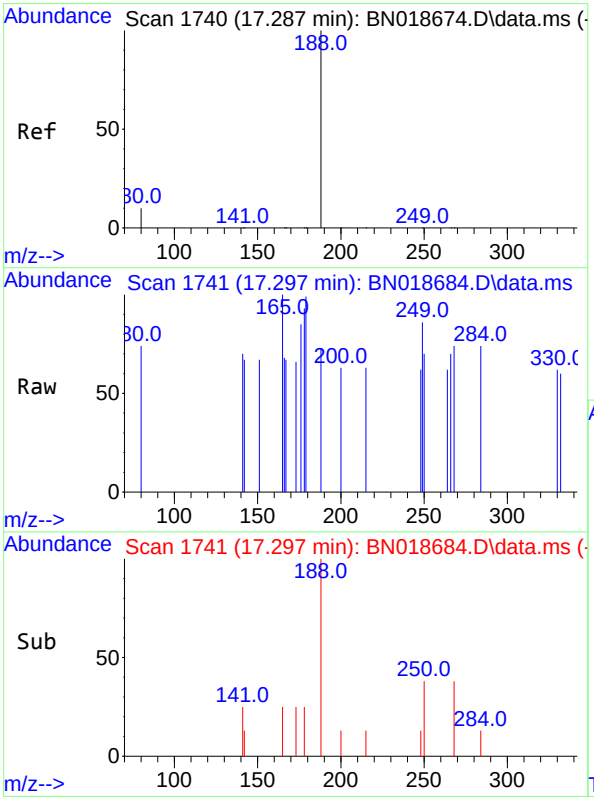
#18
Fluorene
Concen: 0.178 ng
RT: 15.692 min Scan# 1
Delta R.T. 0.107 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:166 Resp: 7

Ion	Ratio	Lower	Upper
166	100		
165	142.9	77.8	116.6#
167	14.3	10.9	16.3

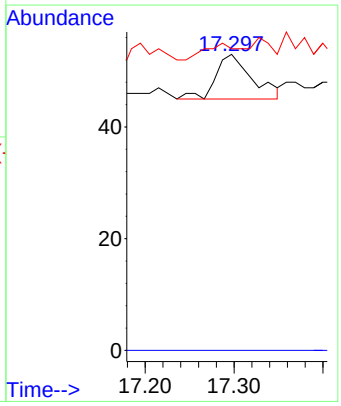


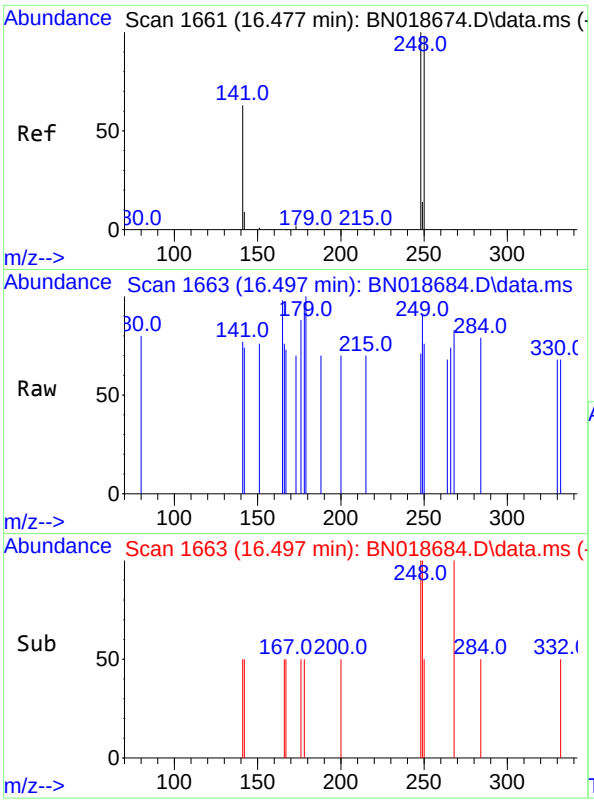


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.297 min Scan# 1741
Delta R.T. 0.010 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:188 Resp: 23

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	101.9	7.0	10.4#



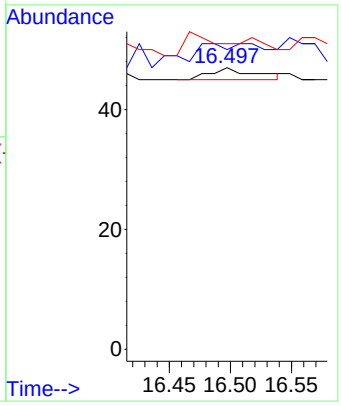


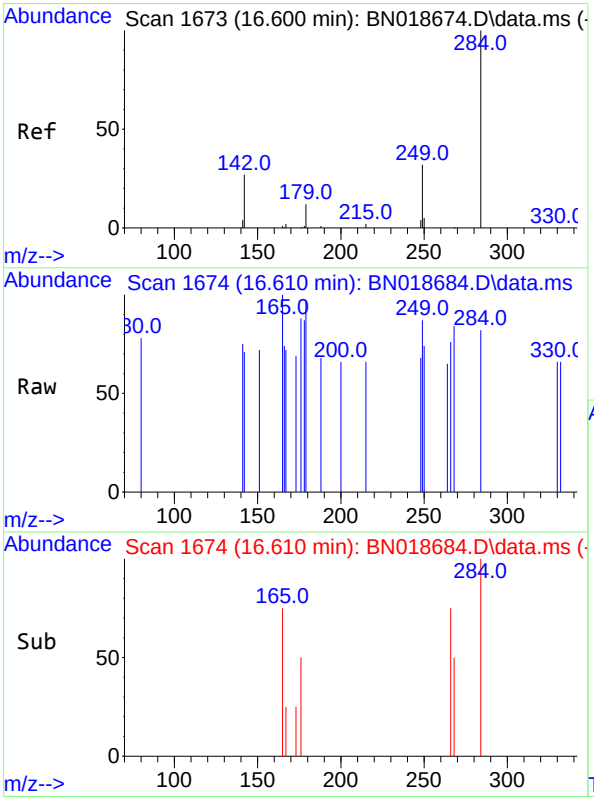
#21
4-Bromophenyl-phenylether
Concen: 0.306 ng
RT: 16.497 min Scan# 1
Delta R.T. 0.020 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:248 Resp: 5

Ion	Ratio	Lower	Upper
248	100		
250	106.4	74.4	111.6
141	108.5	43.7	65.5#

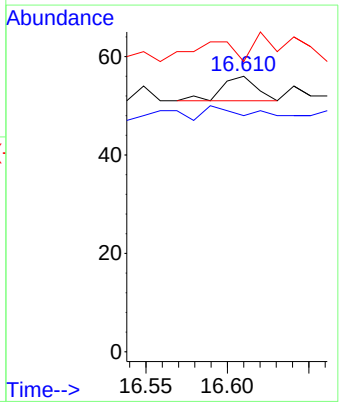


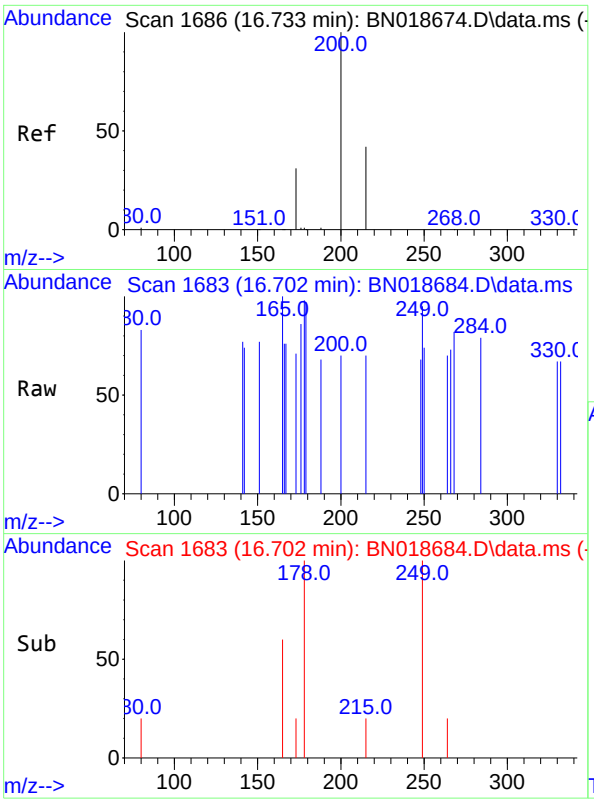


#22
Hexachlorobenzene
Concen: 0.342 ng
RT: 16.610 min Scan# 1674
Delta R.T. 0.010 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:284 Resp: 7

Ion	Ratio	Lower	Upper
284	100		
142	0.0	21.6	32.4#
249	142.9	23.5	35.3#



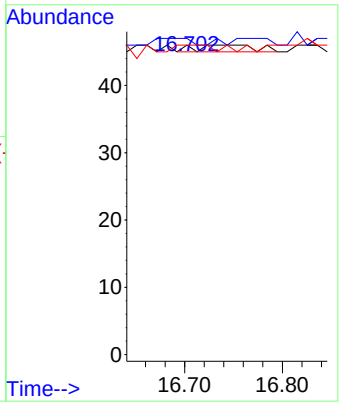


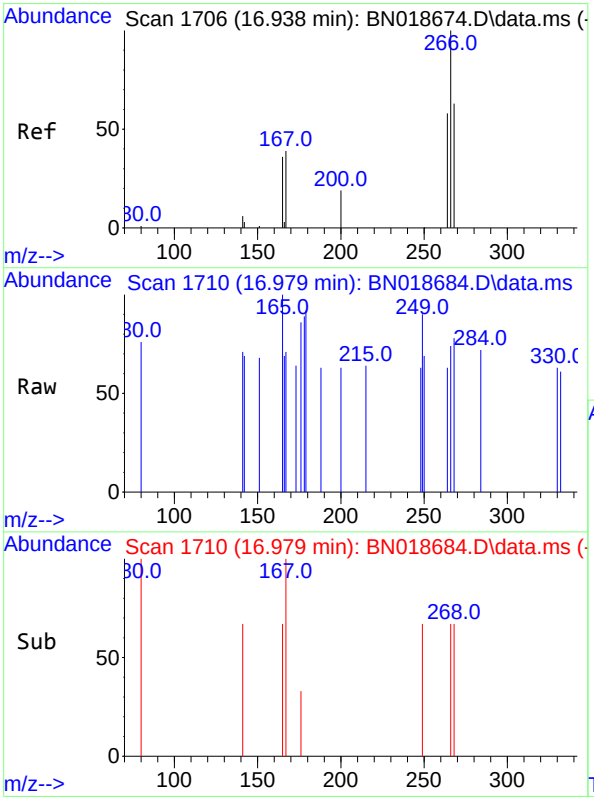
#23
Atrazine
Concen: 0.443 ng
RT: 16.702 min Scan# 1
Delta R.T. -0.031 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:200 Resp: 4

Ion	Ratio	Lower	Upper
200	100		
173	102.2	20.3	30.5#
215	100.0	40.4	60.6#

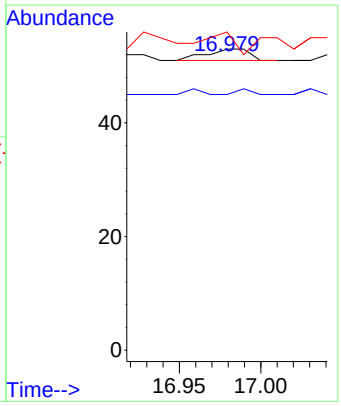


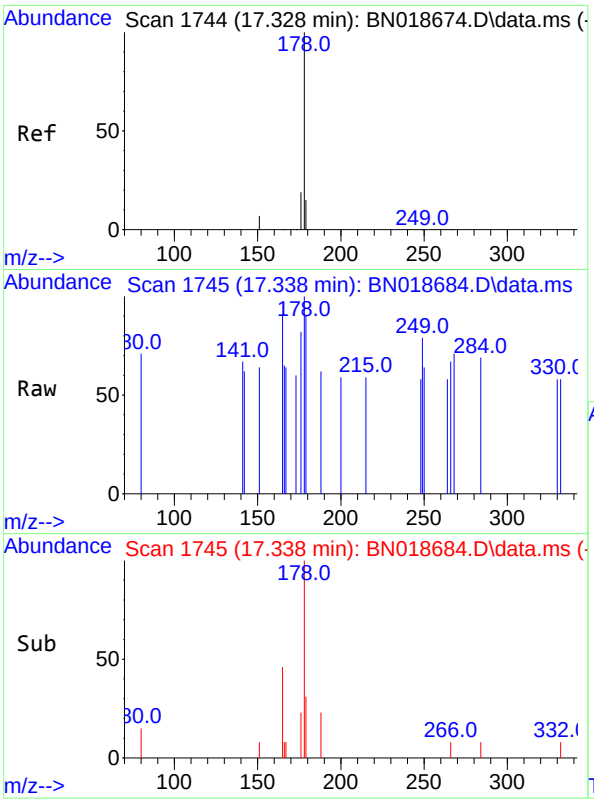


#24
Pentachlorophenol
Concen: 0.771 ng
RT: 16.979 min Scan# 1710
Delta R.T. 0.041 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:266 Resp: 4

Ion	Ratio	Lower	Upper
266	100		
264	0.0	49.5	74.3#
268	0.0	50.6	76.0#



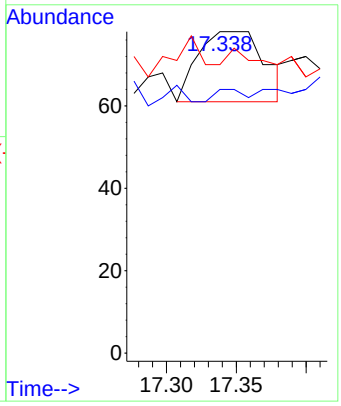


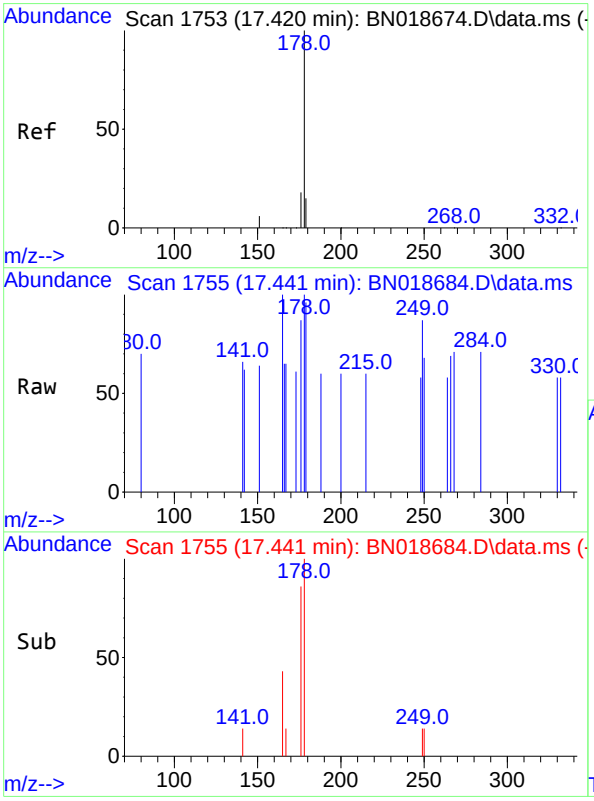
#25
Phenanthrene
Concen: 0.740 ng
RT: 17.338 min Scan# 1
Delta R.T. 0.010 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:178 Resp: 57

Ion	Ratio	Lower	Upper
178	100		
176	8.8	15.3	22.9#
179	24.6	12.3	18.5#

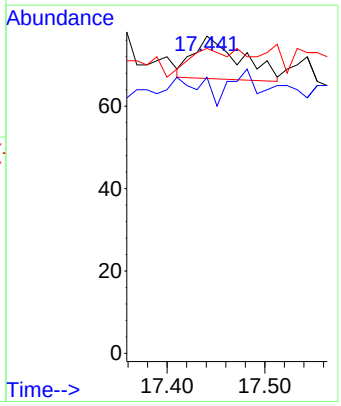


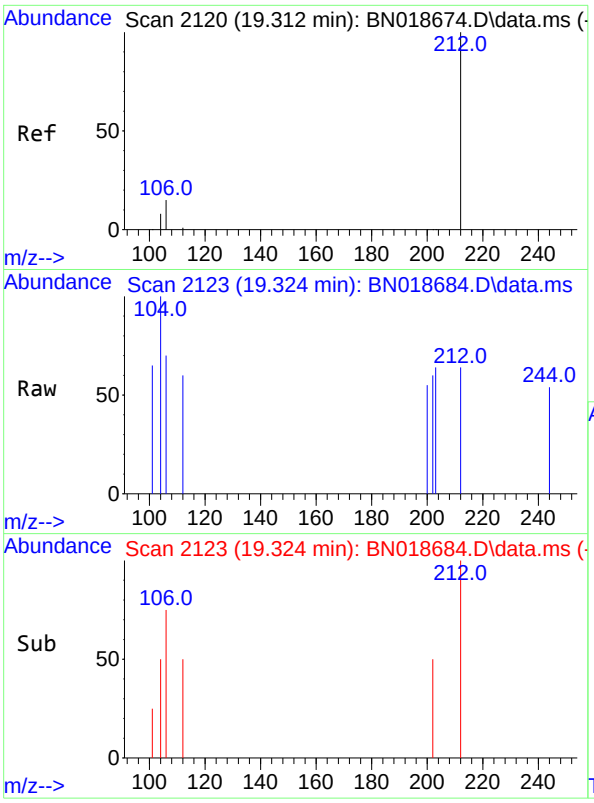


#26
Anthracene
Concen: 0.522 ng
RT: 17.441 min Scan# 1755
Delta R.T. 0.020 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:178 Resp: 34

Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.8	22.2#
179	52.9	12.2	18.4#



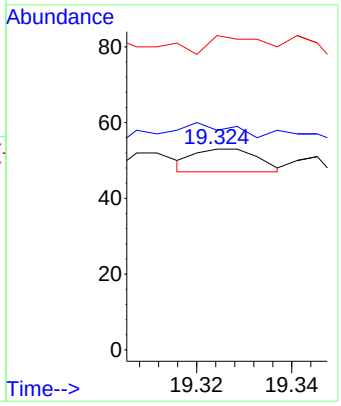


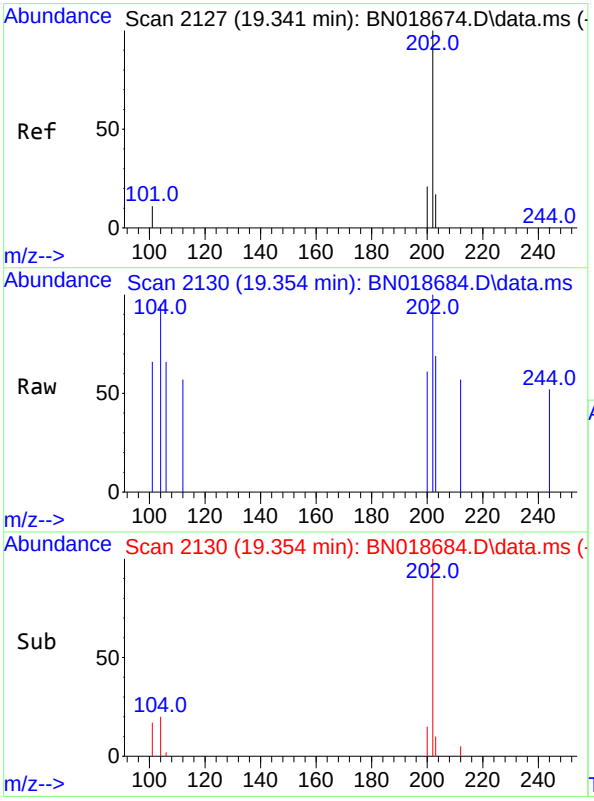
#27
Fluoranthene-d10
Concen: 0.096 ng
RT: 19.324 min Scan# 21
Delta R.T. 0.013 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:212 Resp: 6

Ion	Ratio	Lower	Upper
212	100		
106	66.7	8.4	12.6#
104	66.7	4.5	6.7#

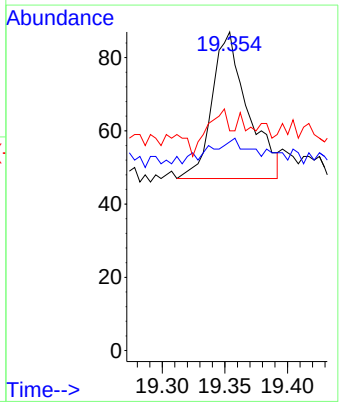


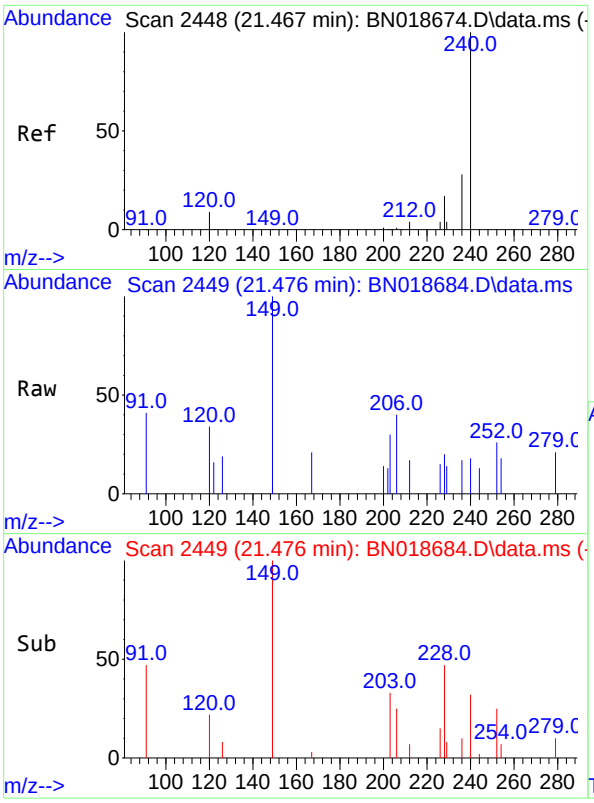


#28
Fluoranthene
Concen: 0.982 ng
RT: 19.354 min Scan# 2130
Delta R.T. 0.013 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:202 Resp: 79

Ion	Ratio	Lower	Upper
202	100		
101	19.0	7.2	10.8#
203	5.1	13.7	20.5#



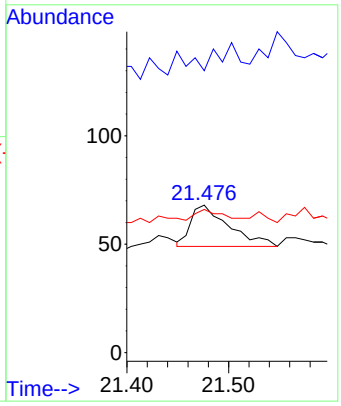


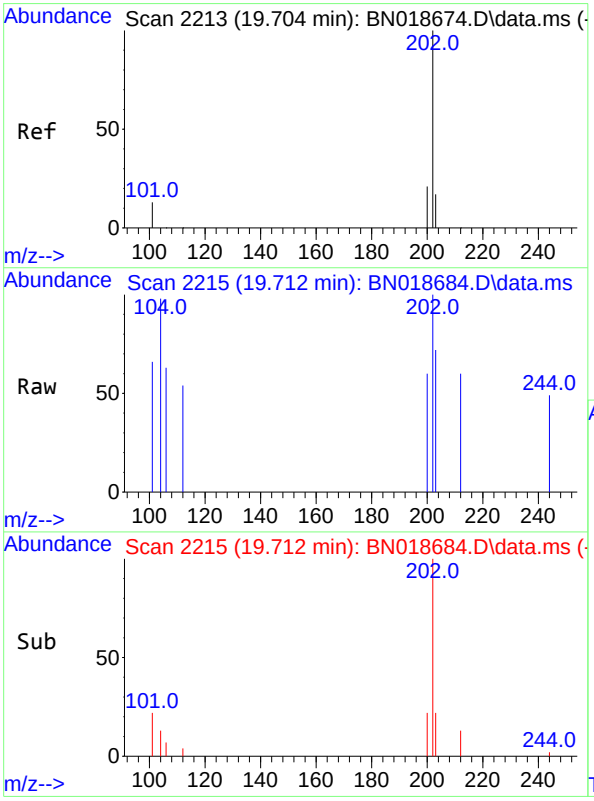
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.476 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:240 Resp: 49

Ion	Ratio	Lower	Upper
240	100		
120	191.2	6.0	9.0#
236	97.1	21.4	32.2#

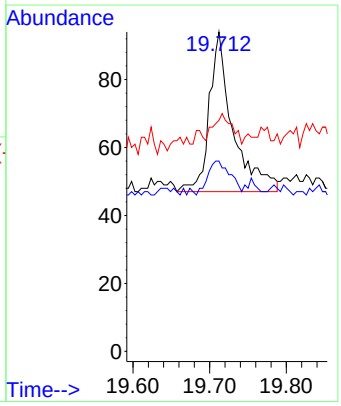


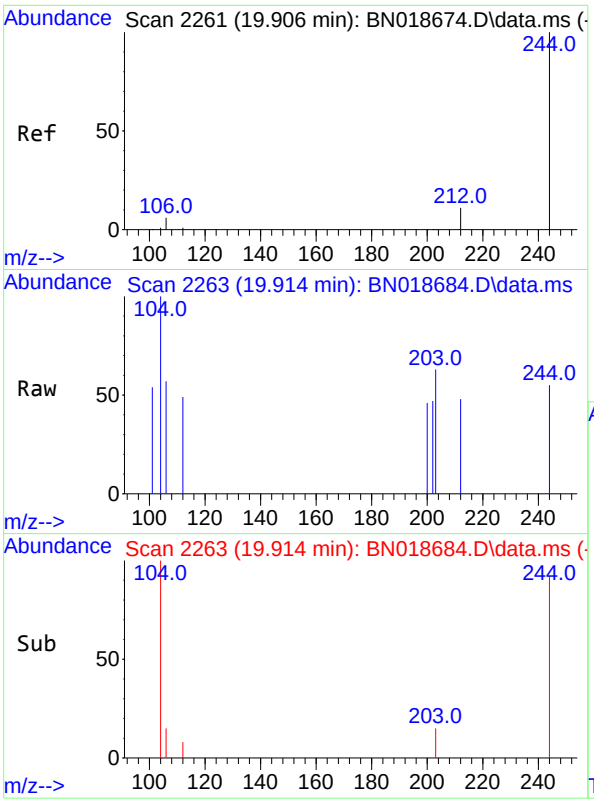


#30
Pyrene
Concen: 0.457 ng
RT: 19.712 min Scan# 2215
Delta R.T. 0.008 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:202 Resp: 100

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.6	25.0
203	15.0	14.1	21.1



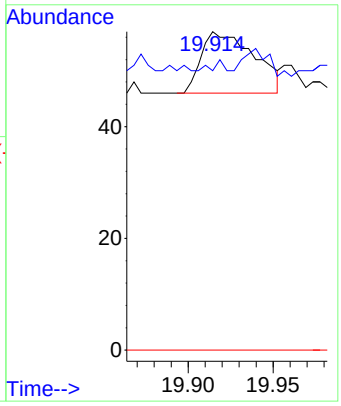


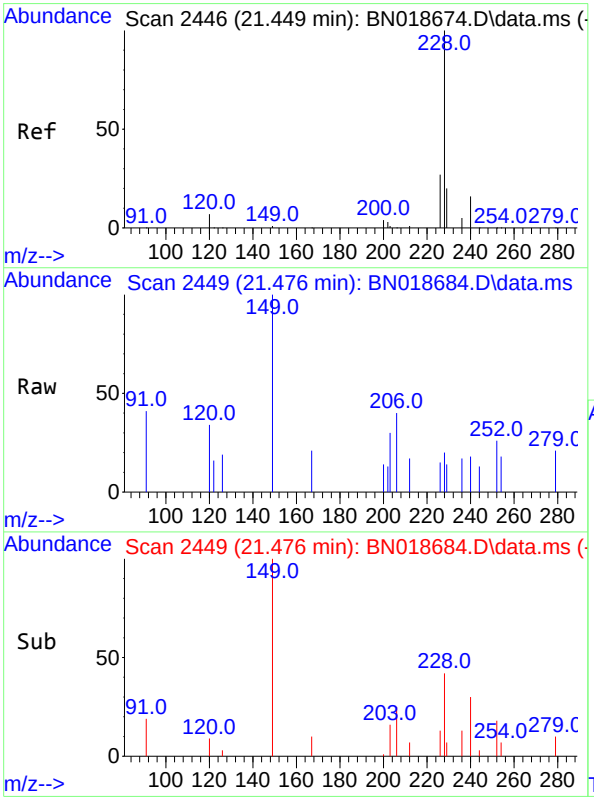
#31
Terphenyl-d14
Concen: 0.226 ng
RT: 19.914 min Scan# 2
Delta R.T. 0.008 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:244 Resp: 24

Ion	Ratio	Lower	Upper
244	100		
212	87.7	6.2	9.2#
122	0.0	7.9	11.9#

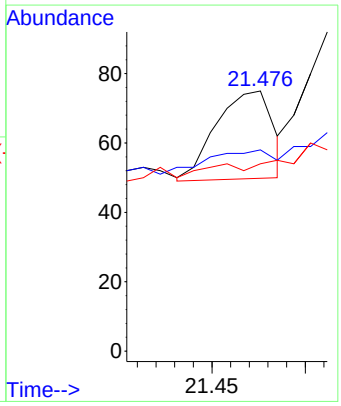


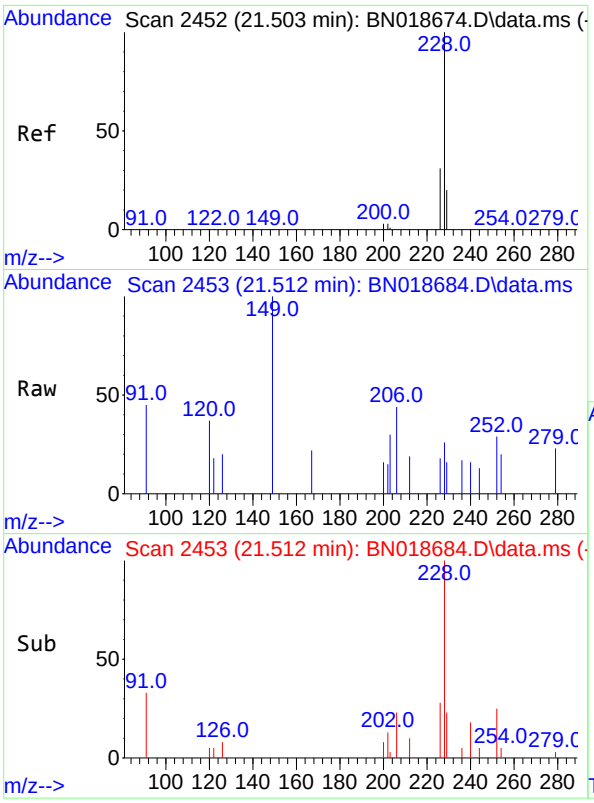


#32
Benzo(a)anthracene
Concen: 0.291 ng
RT: 21.476 min Scan# 2449
Delta R.T. 0.027 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:228 Resp: 54

Ion	Ratio	Lower	Upper
228	100		
226	77.3	21.3	31.9#
229	72.0	15.9	23.9#



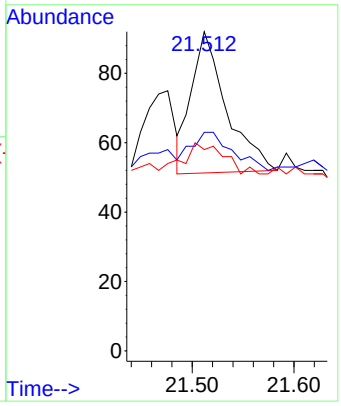


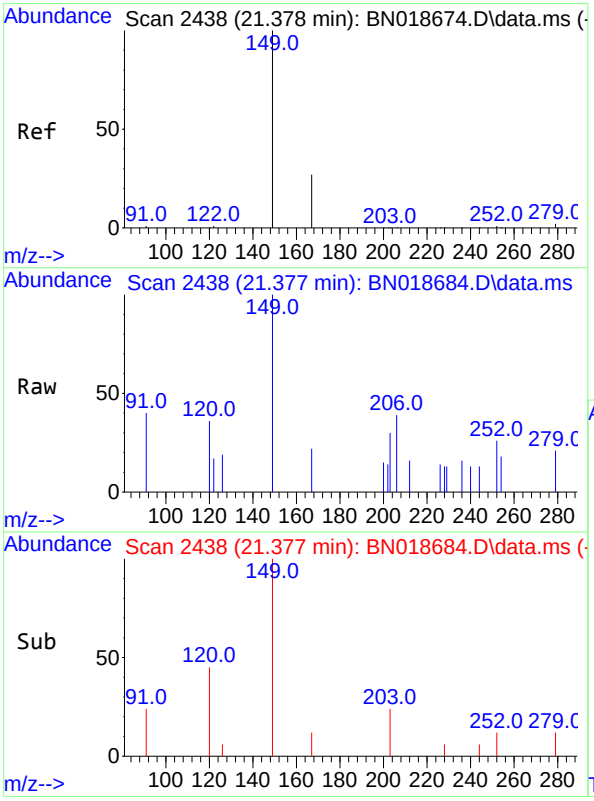
#33
Chrysene
Concen: 0.473 ng
RT: 21.512 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:228 Resp: 98

Ion	Ratio	Lower	Upper
228	100		
226	68.5	24.2	36.4#
229	63.0	15.5	23.3#

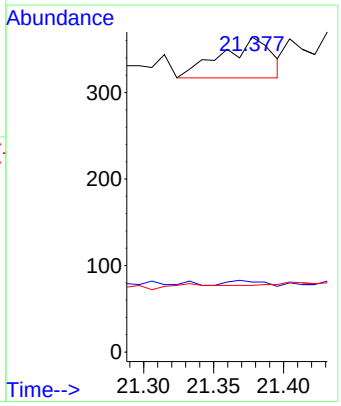


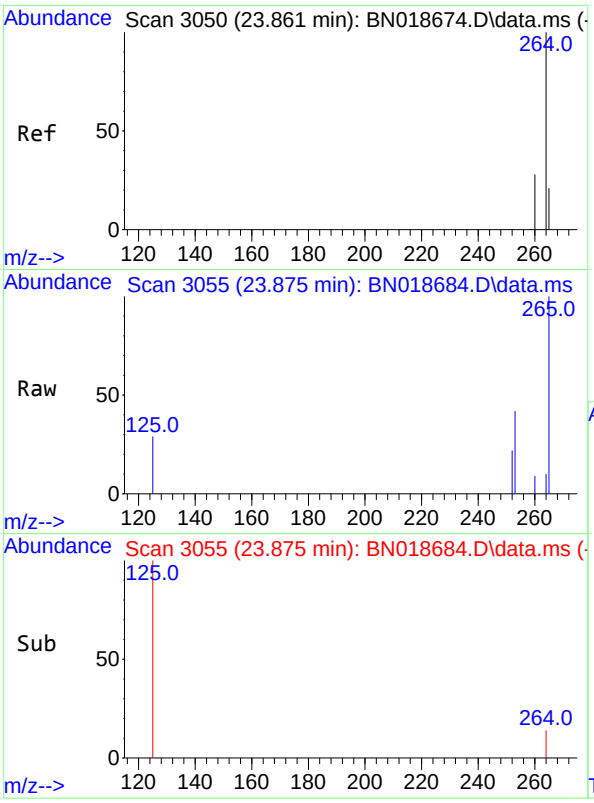


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.523 ng
RT: 21.377 min Scan# 2438
Delta R.T. -0.000 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:149 Resp: 115

Ion	Ratio	Lower	Upper
149	100		
167	10.4	23.7	35.5#
279	0.0	3.6	5.4#



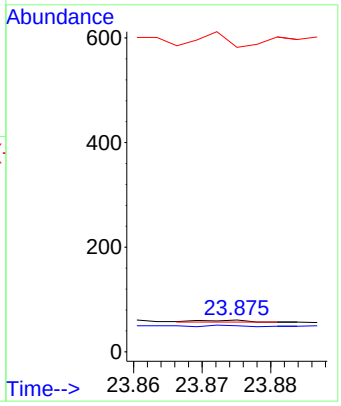


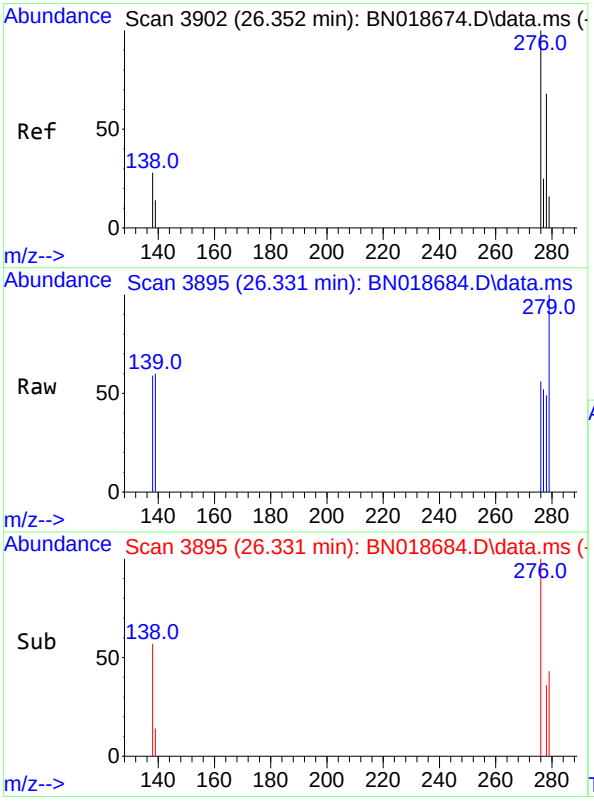
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.875 min Scan# 3
Delta R.T. 0.015 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:264 Resp: 2

Ion	Ratio	Lower	Upper
264	100		
260	82.0	20.2	30.4#
265	954.1	18.2	27.2#

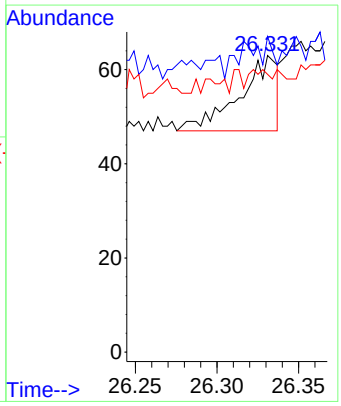


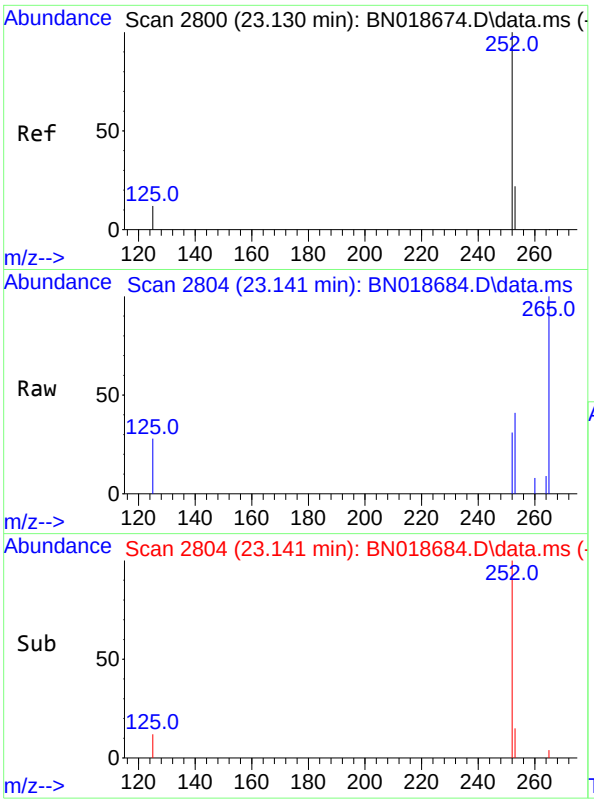


#36
Indeno(1,2,3-cd)pyrene
Concen: 2.367 ng
RT: 26.331 min Scan# 3895
Delta R.T. -0.021 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:276 Resp: 25

Ion	Ratio	Lower	Upper
276	100		
138	8.0	14.9	22.3#
277	0.0	19.9	29.9#



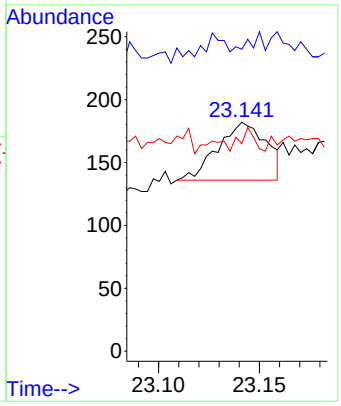


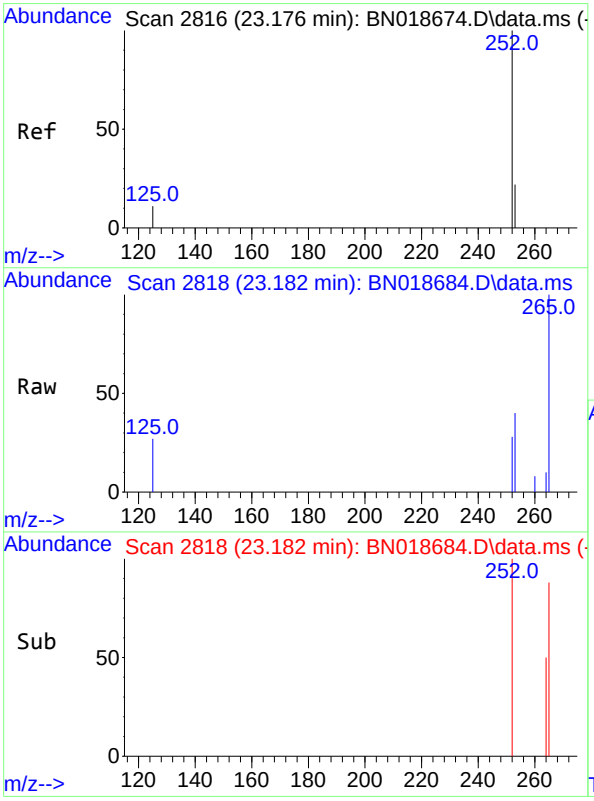
#37
Benzo(b)fluoranthene
Concen: 8.474 ng
RT: 23.141 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:252 Resp: 77

Ion	Ratio	Lower	Upper
252	100		
253	131.9	17.8	26.6#
125	90.7	6.0	9.0#

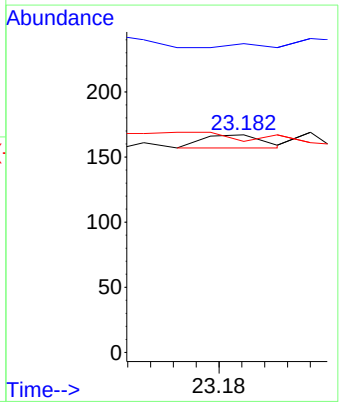


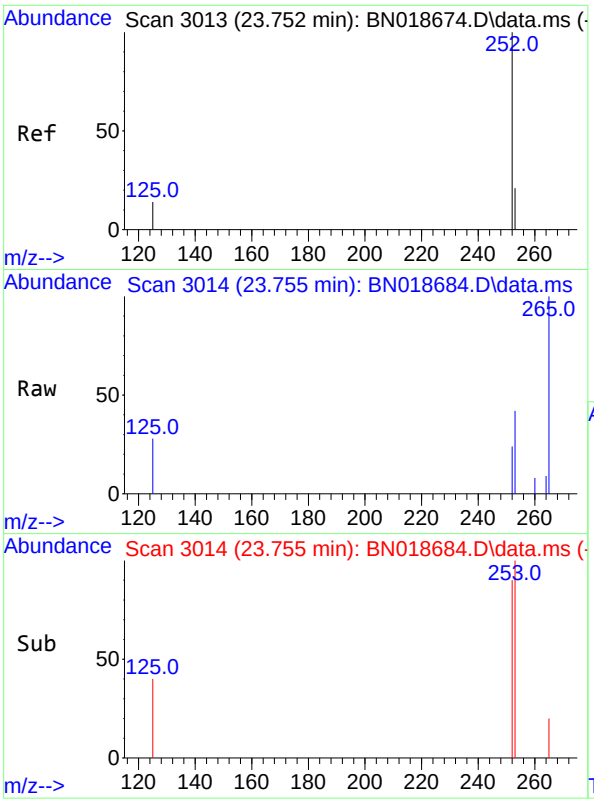


#38
Benzo(k)fluoranthene
Concen: 0.444 ng
RT: 23.182 min Scan# 2818
Delta R.T. 0.006 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:252 Resp: 4

Ion	Ratio	Lower	Upper
252	100		
253	141.9	17.7	26.5#
125	97.0	6.2	9.2#



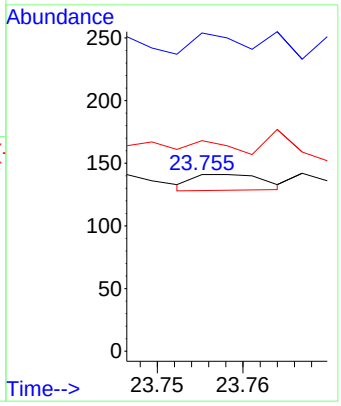


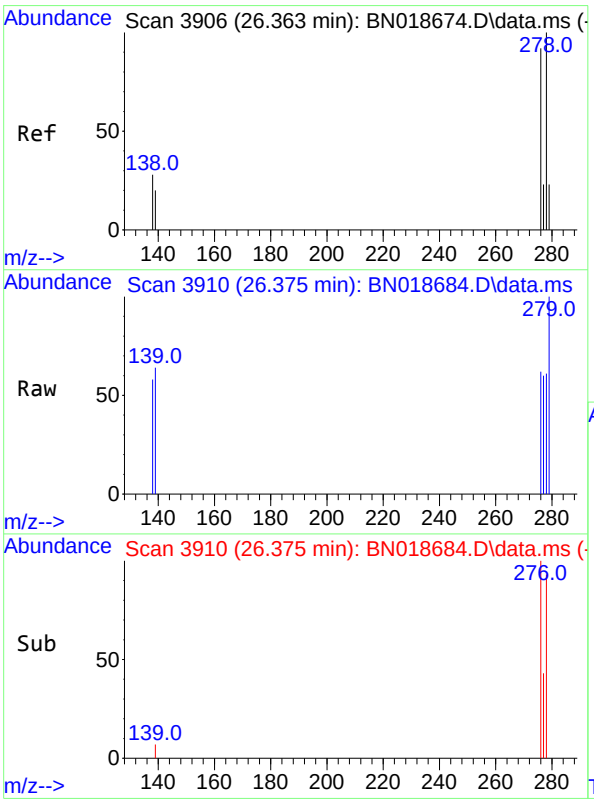
#39
Benzo(a)pyrene
Concen: 0.966 ng
RT: 23.755 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:252 Resp: 7

Ion	Ratio	Lower	Upper
252	100		
253	180.1	17.8	26.6#
125	119.1	7.0	10.4#

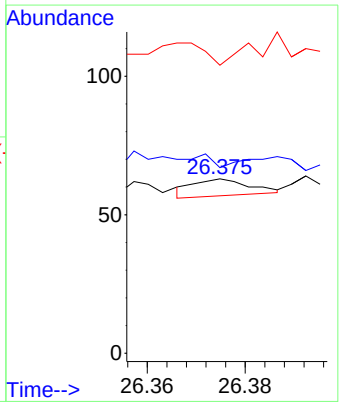


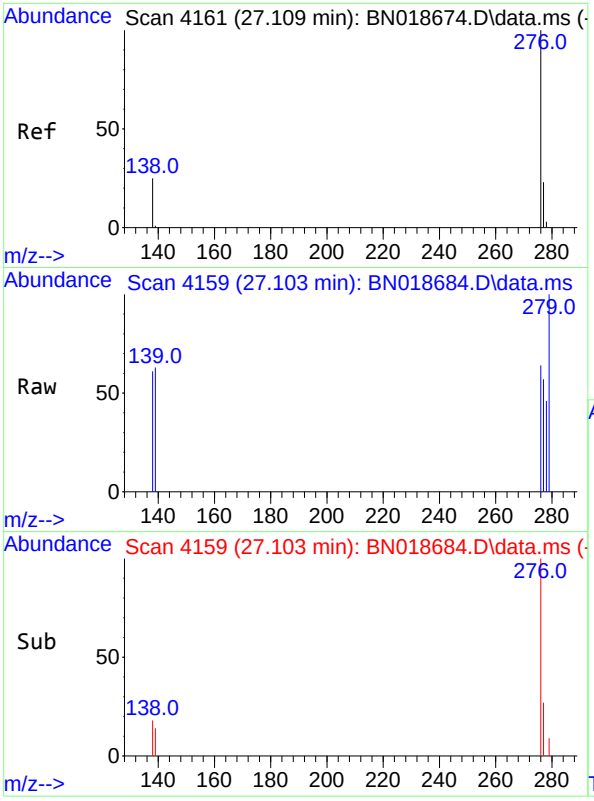


#40
Dibenzo(a,h)anthracene
Concen: 0.607 ng
RT: 26.375 min Scan# 3910
Delta R.T. 0.012 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Tgt Ion:278 Resp: 5

Ion	Ratio	Lower	Upper
278	100		
139	106.3	10.8	16.2#
279	165.1	19.0	28.4#





#41
Benzo(g,h,i)perylene
Concen: 5.313 ng
RT: 27.103 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN018684.D
Acq: 22 Feb 2022 19:31

Instrument :
BNA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:276 Resp: 48

Ion	Ratio	Lower	Upper
276	100		
277	88.6	19.0	28.6#
138	95.7	12.6	19.0#