Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022222\
Data File : BN018683.D
Acq On : 22 Feb 2022 18:54
Operator : CG/JU
Sample : PB142777BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Quant Time: Feb 23 02:17:22 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	7.890	152	10	0.400	ng	#-0.03
7) Naphthalene-d8	10.701	136	1	0.400	ng	#-0.02
13) Acenaphthene-d10	14.506	164	8	0.400	ng	#-0.04
19) Phenanthrene-d10	17.184	188	6	0.400	ng	#-0.10
29) Chrysene-d12	21.288	240	7	0.400	ng	#-0.18
35) Perylene-d12	23.644	264	2	0.400	ng	#-0.22
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	2	0.087	ng	-0.01
5) Phenol-d6	7.089	99	1	0.038	ng	0.02
8) Nitrobenzene-d5	9.025	82	9	11.639	ng	-0.04
11) 2-Methylnaphthalene-d10	12.280	152	1	0.663	ng	-0.03
14) 2,4,6-Tribromophenol	16.036	330	4	1.281	ng	0.01
15) 2-Fluorobiphenyl	13.137	172	18	0.475	ng	-0.04
27) Fluoranthene-d10	19.211	212	2	0.123	ng	-0.10
31) Terphenyl-d14	19.721	244	1	0.066	ng	-0.19
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	2	0.172	ng	# 1
3) n-Nitrosodimethylamine	3.600	42	12	1.042	ng	# 31
6) bis(2-Chloroethyl)ether	7.305	93	16	0.591	ng	# 22
9) Naphthalene	10.776	128	7	2.426	ng	# 1
10) Hexachlorobutadiene	11.075	225	3	4.322	ng	# 18
16) Acenaphthylene	14.249	152	47	1.238	ng	# 93
17) Acenaphthene	14.591	154	22	0.840	ng	# 72
18) Fluorene	15.586	166	50	1.585	ng	# 71
20) 4,6-Dinitro-2-methylph...	15.596	198	2	1.647	ng	# 1
21) 4-Bromophenyl-phenylether	16.426	248	2	0.469	ng	# 61
22) Hexachlorobenzene	16.436	284	11	2.061	ng	# 55
23) Atrazine	16.661	200	2	0.850	ng	# 1
24) Pentachlorophenol	16.795	266	11	6.651	ng	# 1
25) Phenanthrene	17.215	178	18	0.896	ng	# 4
26) Anthracene	17.338	178	114	6.704	ng	# 85
28) Fluoranthene	19.350	202	188	8.958	ng	# 92
30) Pyrene	19.708	202	147	4.703	ng	97
32) Benzo(a)anthracene	21.279	228	5	0.188	ng	# 1
33) Chrysene	21.351	228	3	0.101	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.189	149	45	4.172	ng	# 44
36) Indeno(1,2,3-cd)pyrene	26.106	276	1	0.095	ng	# 1
37) Benzo(b)fluoranthene	22.922	252	5	0.550	ng	# 1
38) Benzo(k)fluoranthene	22.966	252	4	0.444	ng	# 1
39) Benzo(a)pyrene	23.530	252	4	0.552	ng	# 1
40) Dibenzo(a,h)anthracene	26.129	278	2	0.243	ng	# 1
41) Benzo(g,h,i)perylene	27.050	276	3	0.332	ng	# 1

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

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Instrument :
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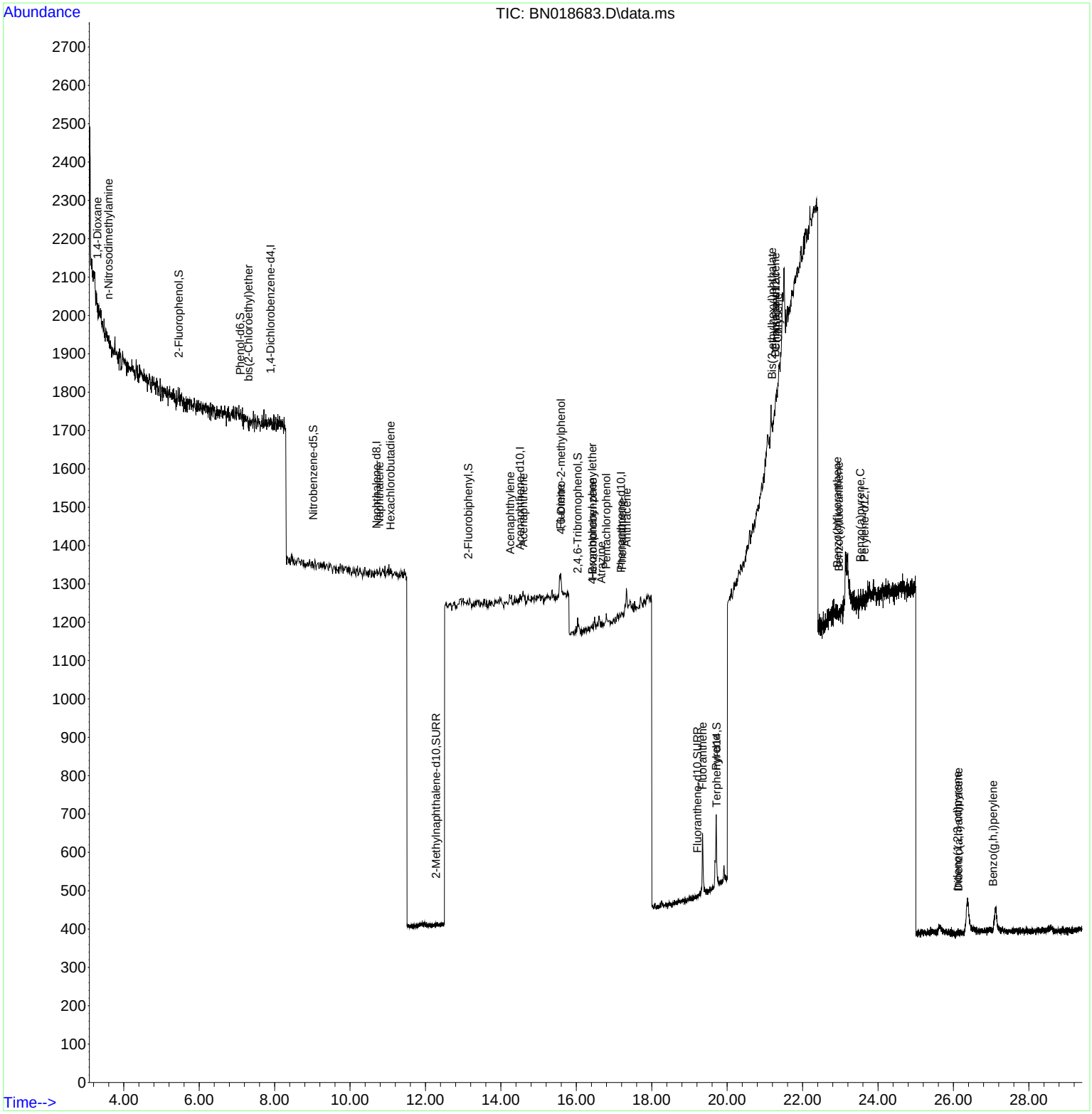
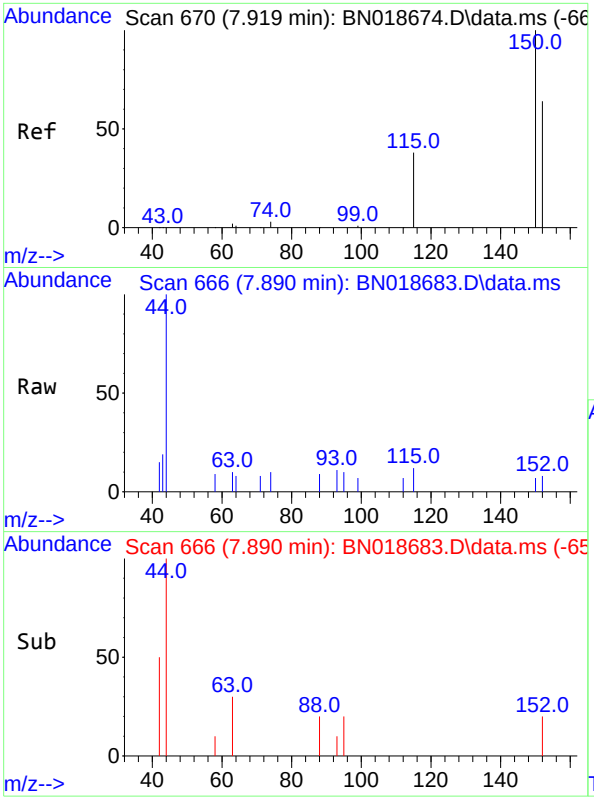
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration



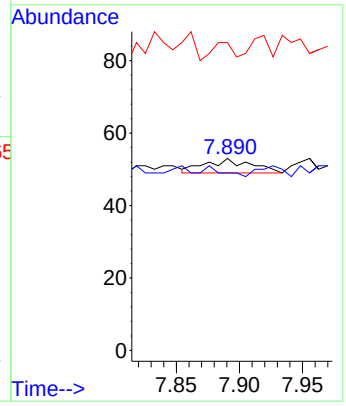


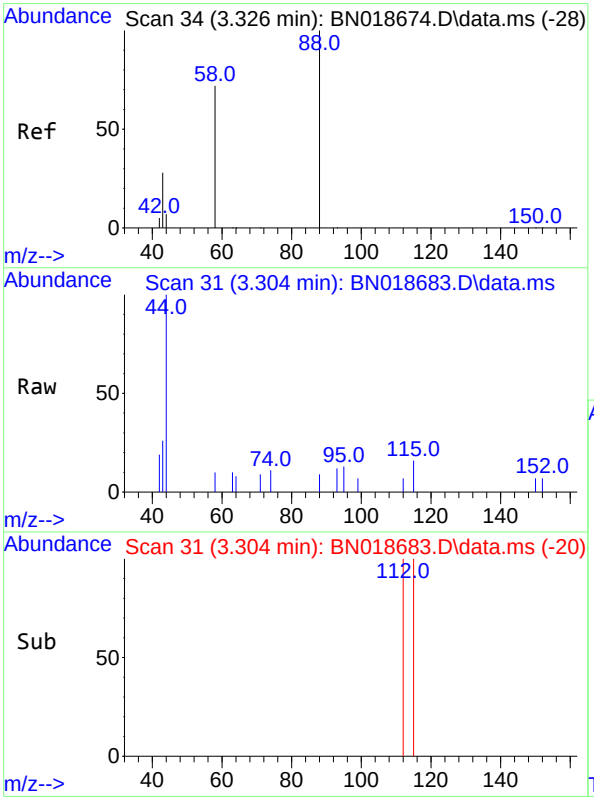
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.890 min Scan# 6
Delta R.T. -0.029 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:152 Resp: 10

Ion	Ratio	Lower	Upper
152	100		
150	92.5	121.7	182.5#
115	160.4	43.8	65.8#

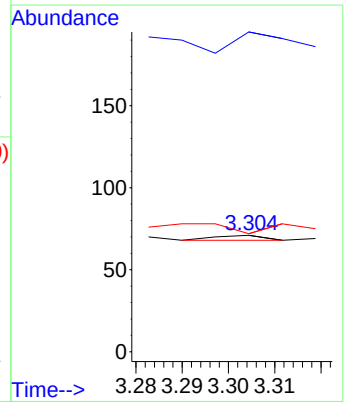


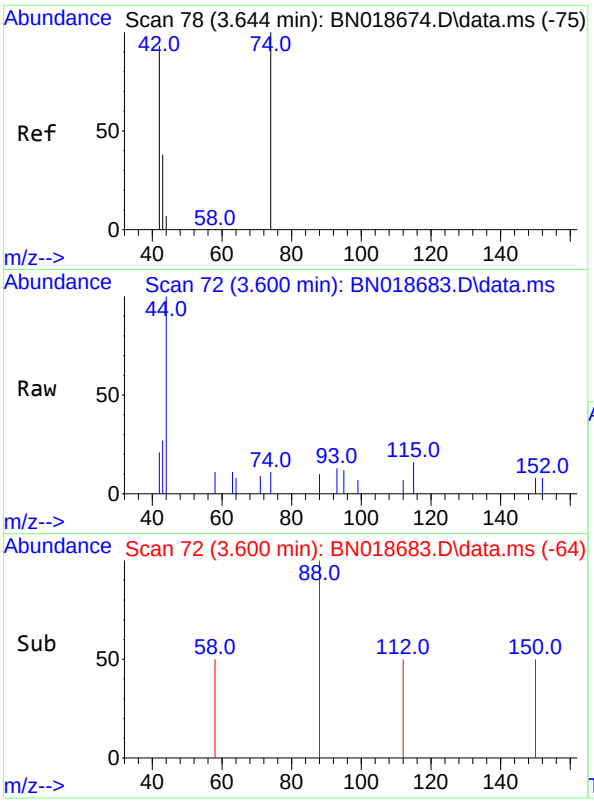


#2
1,4-Dioxane
Concen: 0.172 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.022 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion: 88 Resp: 2

Ion	Ratio	Lower	Upper
88	100		
43	650.0	69.7	104.5#
58	250.0	83.8	125.8#



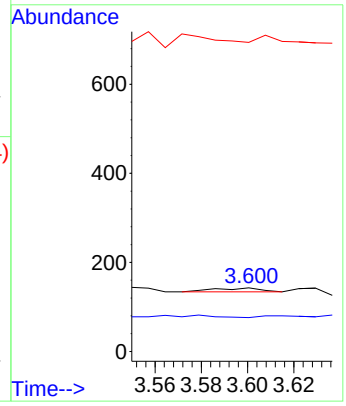


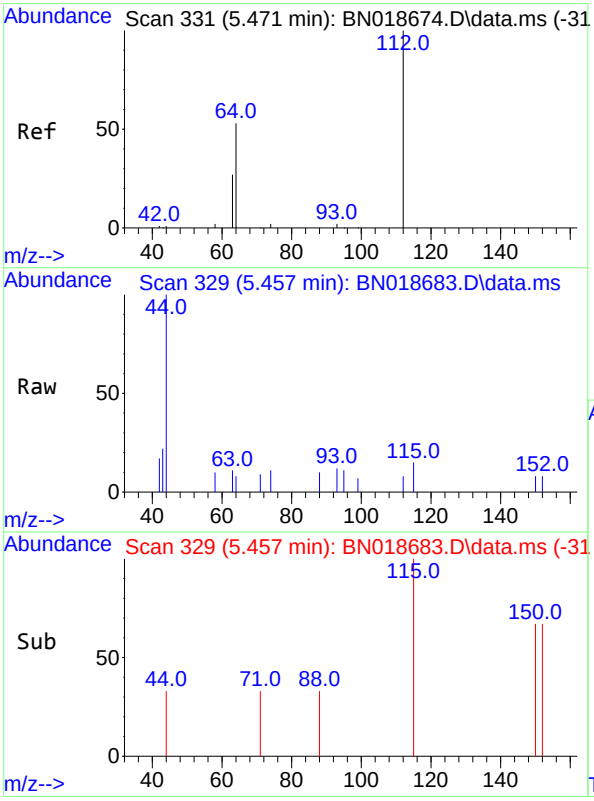
#3
n-Nitrosodimethylamine
Concen: 1.042 ng
RT: 3.600 min Scan# 7
Delta R.T. -0.043 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion: 42 Resp: 12

Ion	Ratio	Lower	Upper
42	100		
74	50.0	108.6	163.0#
44	0.0	5.8	8.8#

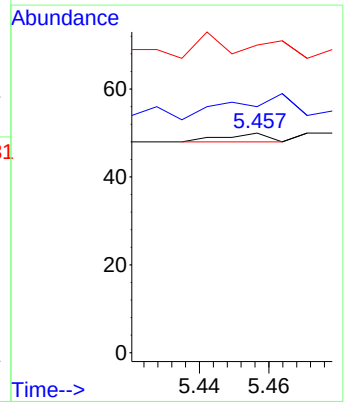


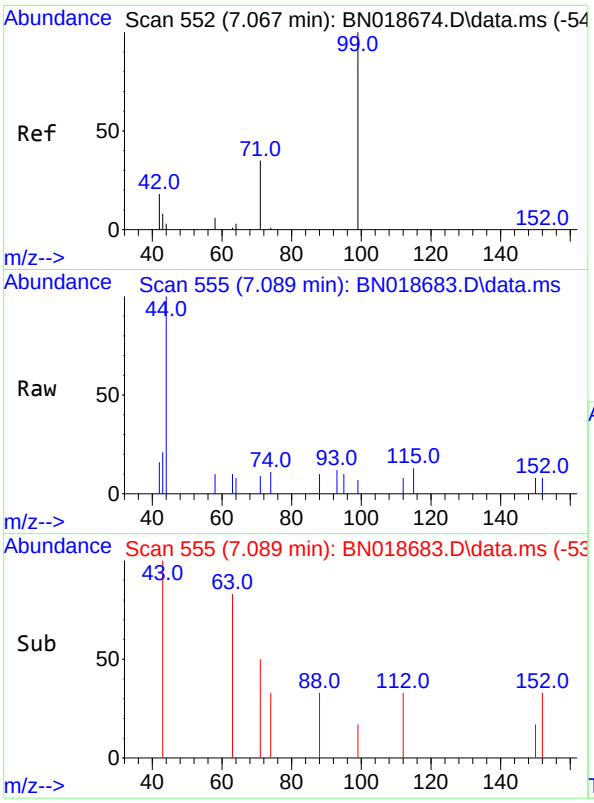


#4
2-Fluorophenol
Concen: 0.087 ng
RT: 5.457 min Scan# 329
Delta R.T. -0.014 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:112 Resp: 2

Ion	Ratio	Lower	Upper
112	100		
64	0.0	48.0	72.0#
63	300.0	25.3	37.9#



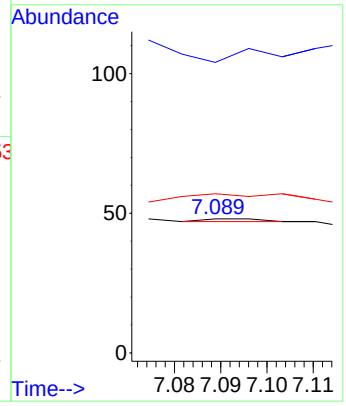


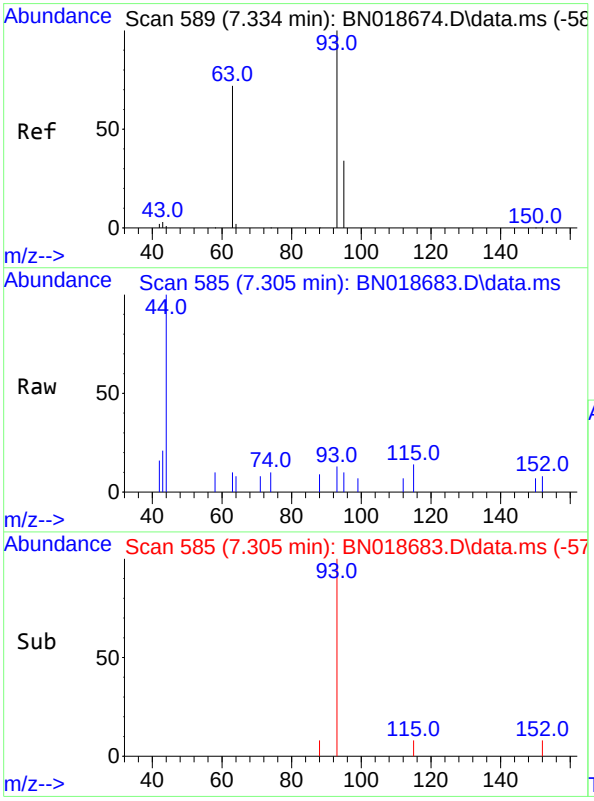
#5
Phenol-d6
Concen: 0.038 ng
RT: 7.089 min Scan# 5
Delta R.T. 0.022 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion: 99 Resp: 1

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.3	24.5#
71	500.0	26.8	40.2#

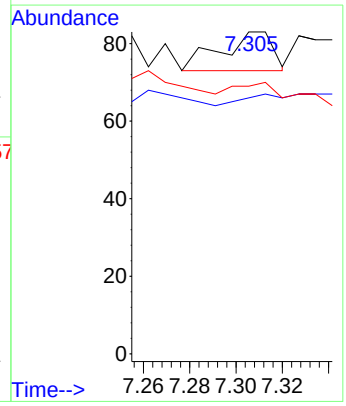


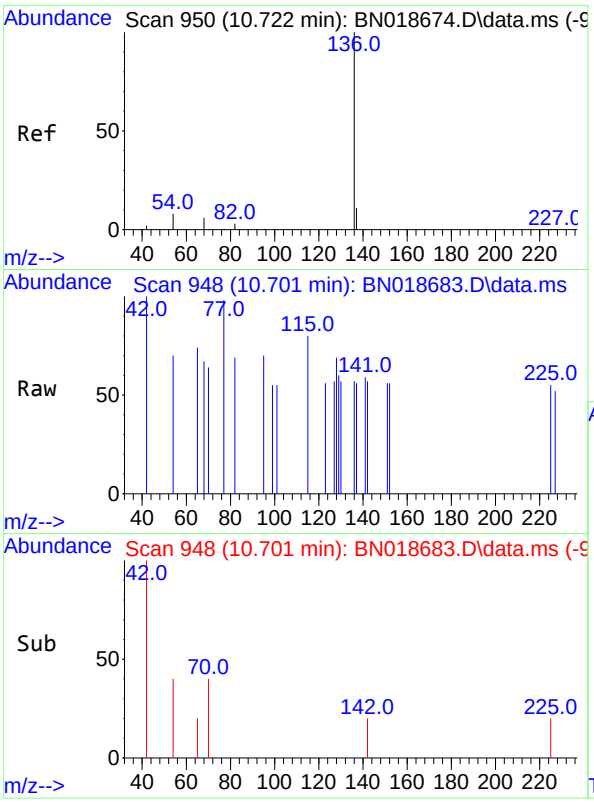


#6
bis(2-Chloroethyl)ether
Concen: 0.591 ng
RT: 7.305 min Scan# 585
Delta R.T. -0.029 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion: 93 Resp: 16

Ion	Ratio	Lower	Upper
93	100		
63	0.0	61.7	92.5#
95	62.5	26.2	39.4#



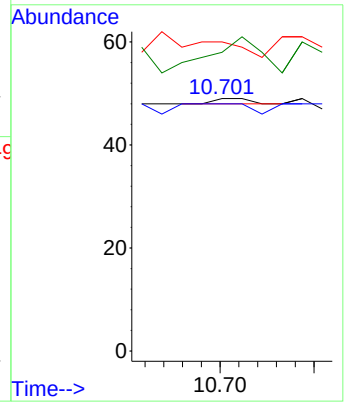


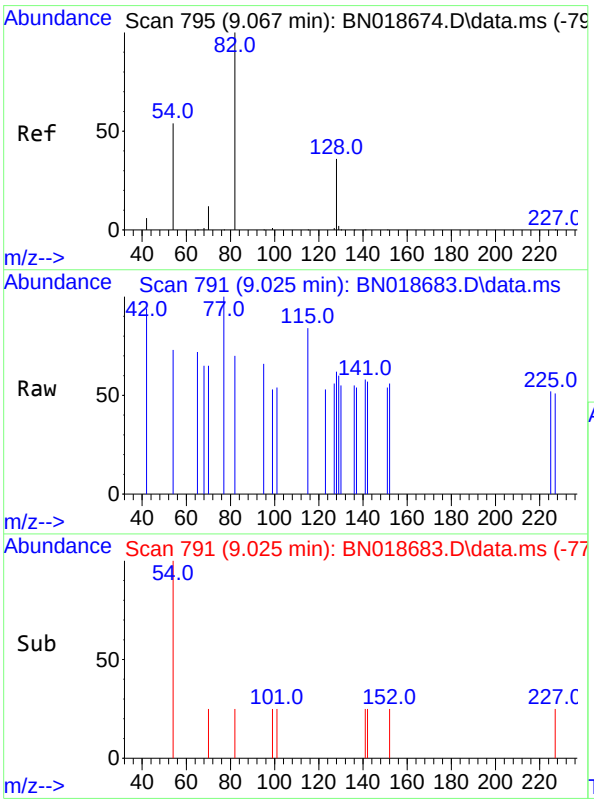
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.701 min Scan# 94
Delta R.T. -0.021 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:136 Resp: 1

Ion	Ratio	Lower	Upper
136	100		
137	98.0	8.8	13.2#
54	122.4	5.0	7.6#
68	118.4	4.4	6.6#

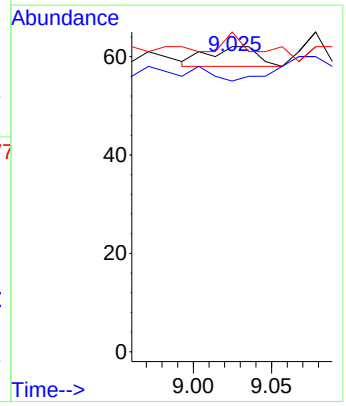


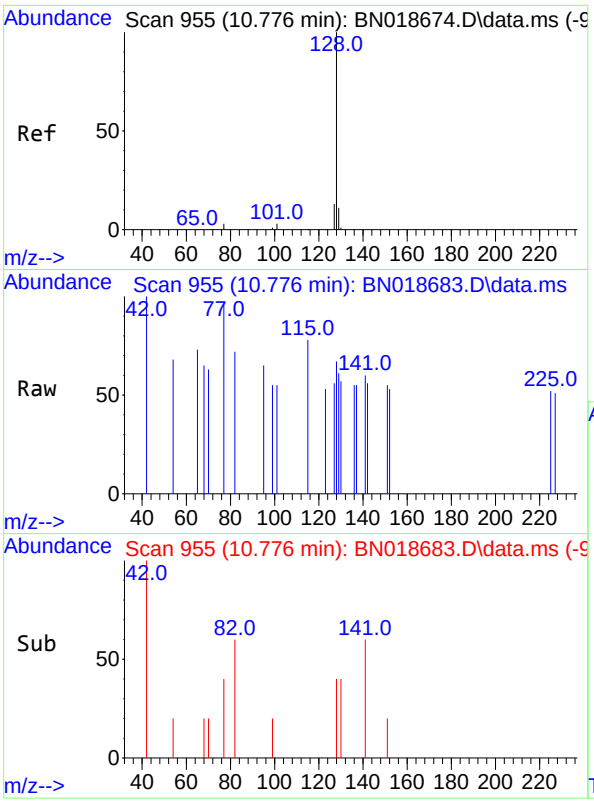


#8
Nitrobenzene-d5
Concen: 11.639 ng
RT: 9.025 min Scan# 791
Delta R.T. -0.043 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion: 82 Resp: 9

Ion	Ratio	Lower	Upper
82	100		
128	88.7	33.7	50.5#
54	104.8	36.6	55.0#



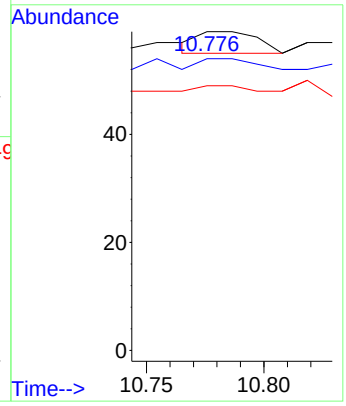


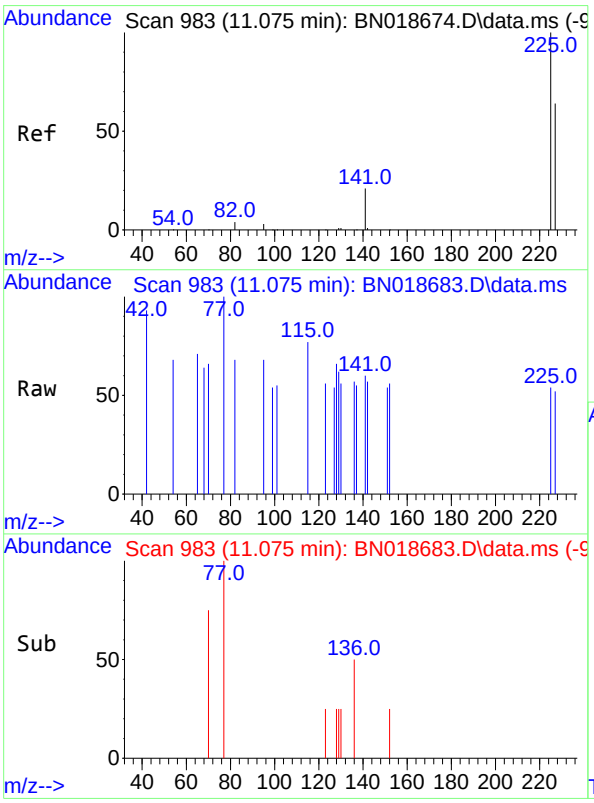
#9
Naphthalene
Concen: 2.426 ng
RT: 10.776 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:128 Resp: 7

Ion	Ratio	Lower	Upper
128	100		
129	91.5	8.7	13.1#
127	83.1	10.4	15.6#

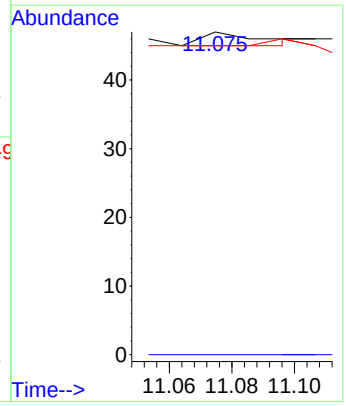


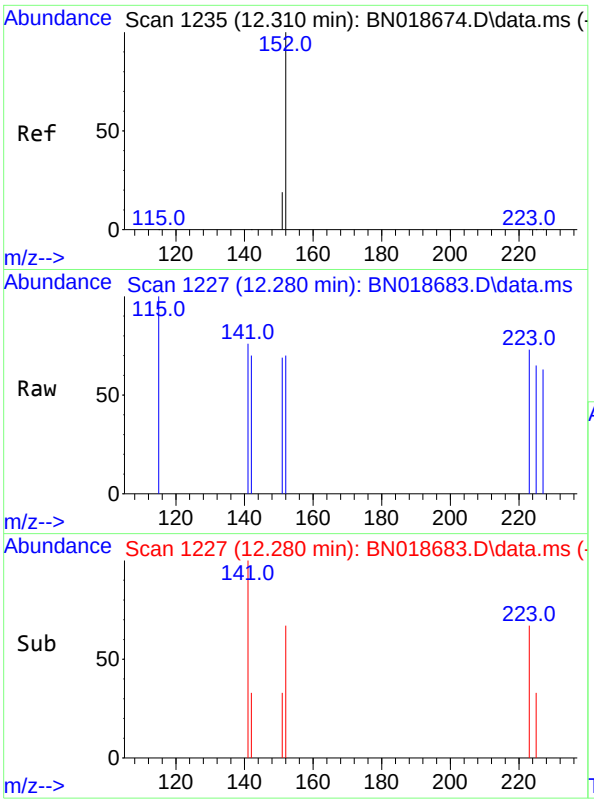


#10
Hexachlorobutadiene
Concen: 4.322 ng
RT: 11.075 min Scan# 983
Delta R.T. 0.000 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:225 Resp: 3

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



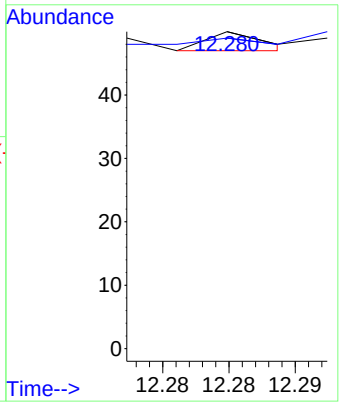


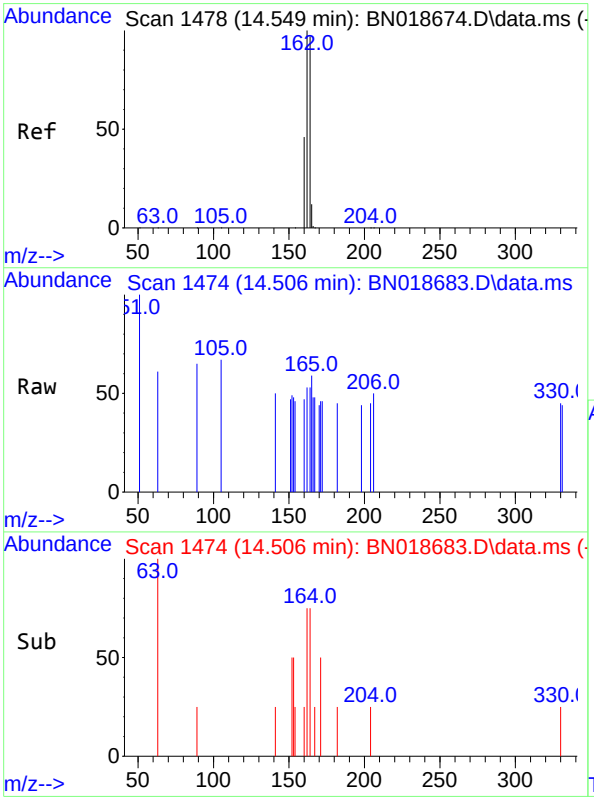
#11
2-Methylnaphthalene-d10
Concen: 0.663 ng
RT: 12.280 min Scan# 1
Delta R.T. -0.030 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:152 Resp: 1

Ion	Ratio	Lower	Upper
152	100		
151	200.0	16.2	24.2#

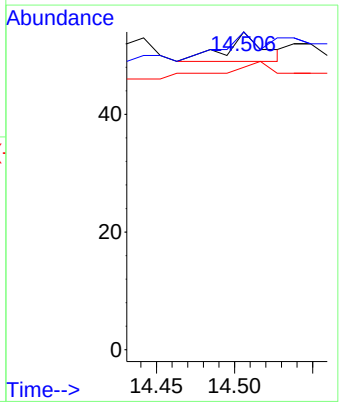


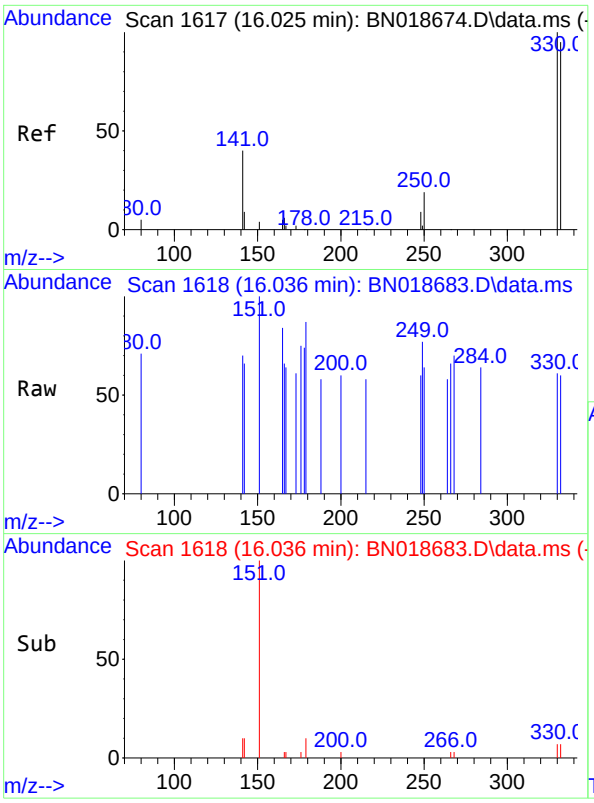


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.506 min Scan# 1474
Delta R.T. -0.043 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:164 Resp: 8

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.2	120.2
160	88.9	36.9	55.3#



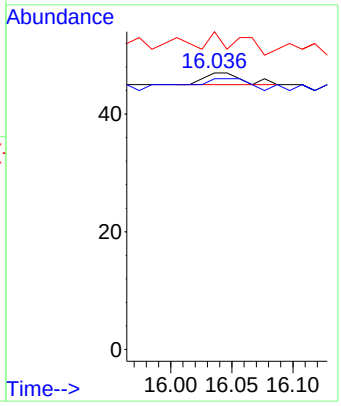


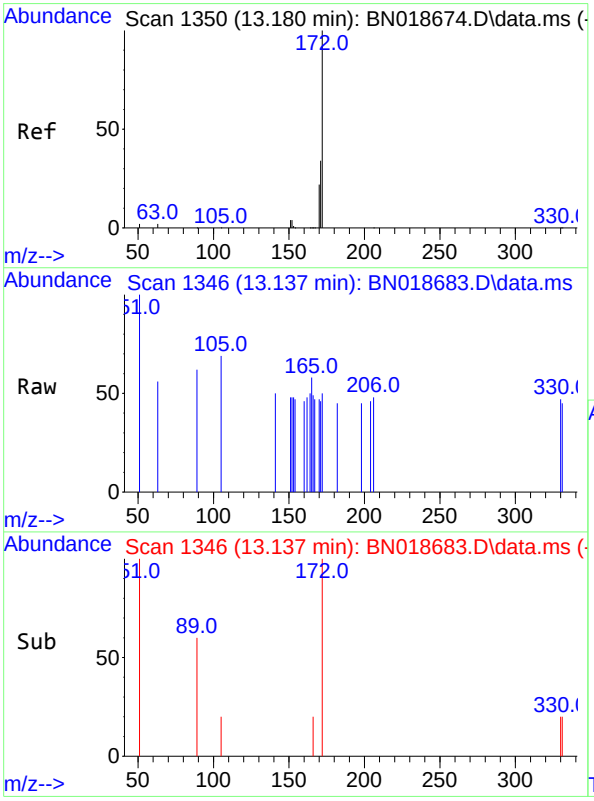
#14
2,4,6-Tribromophenol
Concen: 1.281 ng
RT: 16.036 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:330 Resp: 4

Ion	Ratio	Lower	Upper
330	100		
332	125.0	0.0	0.0#
141	175.0	21.3	31.9#

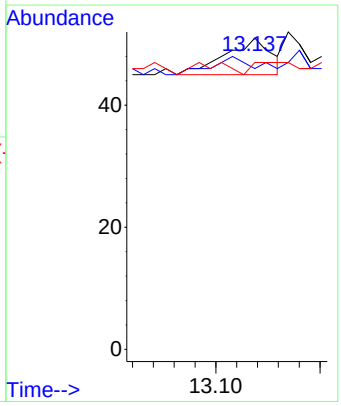


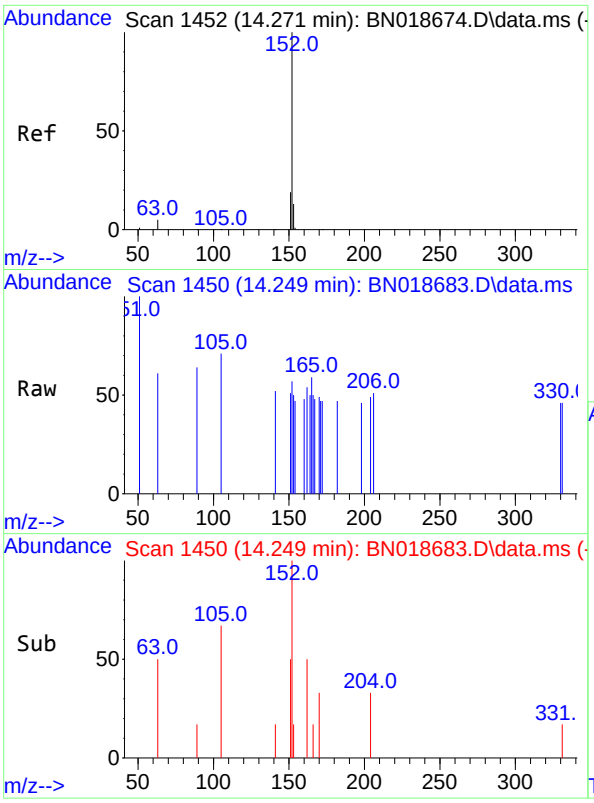


#15
2-Fluorobiphenyl
Concen: 0.475 ng
RT: 13.137 min Scan# 1346
Delta R.T. -0.043 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:172 Resp: 18

Ion	Ratio	Lower	Upper
172	100		
171	90.2	27.4	41.0#
170	92.2	18.4	27.6#



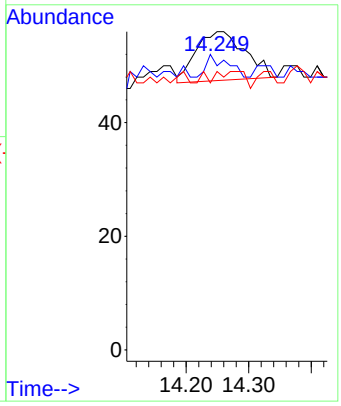


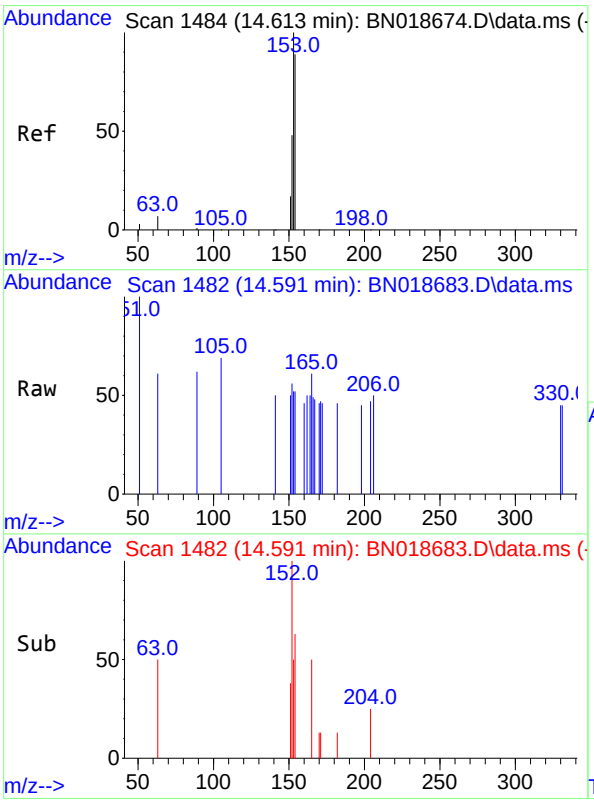
#16
Acenaphthylene
Concen: 1.238 ng
RT: 14.249 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:152 Resp: 47

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	19.1	10.5	15.7#

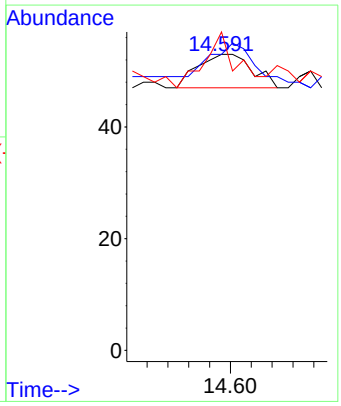


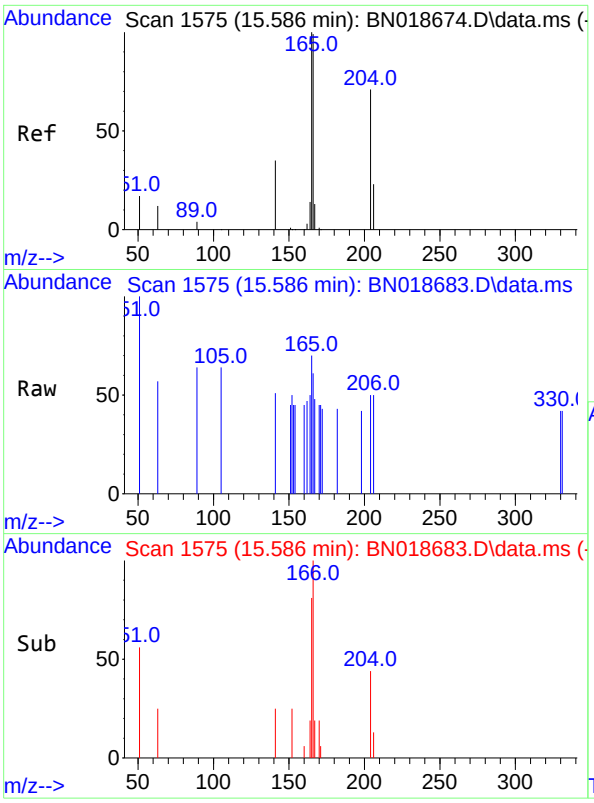


#17
Acenaphthene
Concen: 0.840 ng
RT: 14.591 min Scan# 1482
Delta R.T. -0.021 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:154 Resp: 22

Ion	Ratio	Lower	Upper
154	100		
153	127.3	90.9	136.3
152	100.0	45.0	67.4#



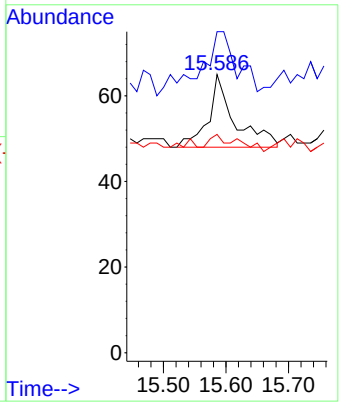


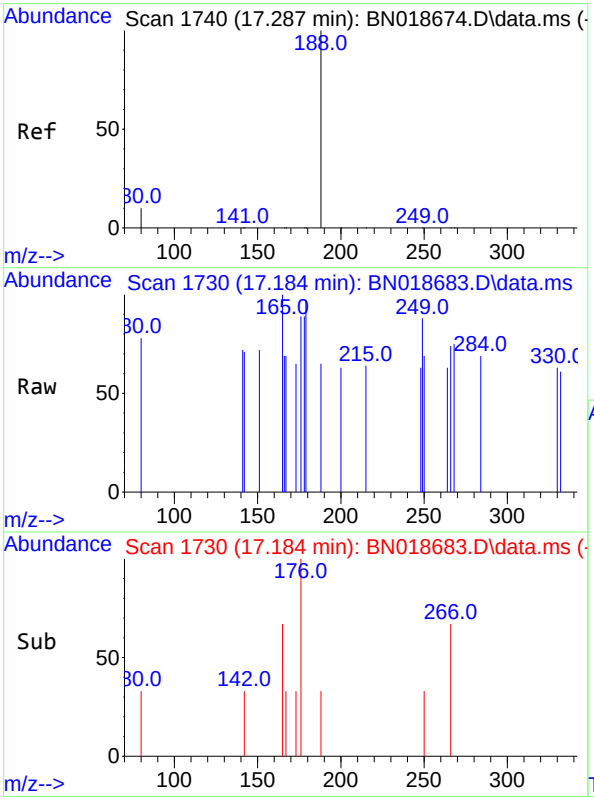
#18
Fluorene
Concen: 1.585 ng
RT: 15.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:166 Resp: 50

Ion	Ratio	Lower	Upper
166	100		
165	128.0	77.8	116.6#
167	8.0	10.9	16.3#

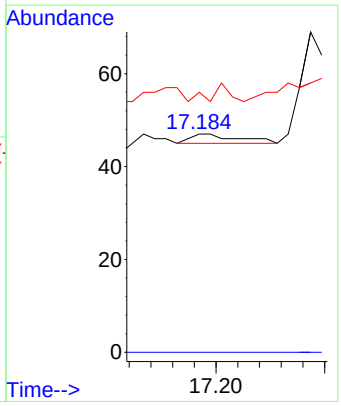


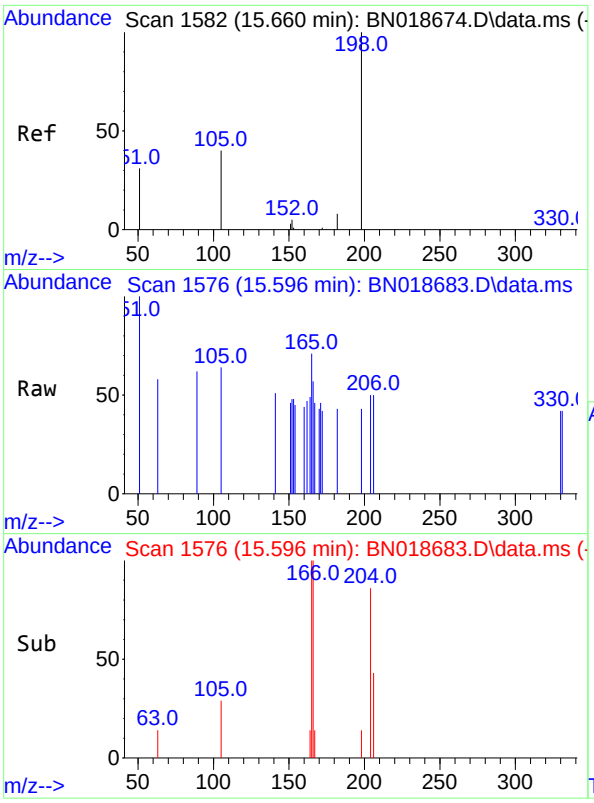


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.184 min Scan# 1730
Delta R.T. -0.103 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:188 Resp: 6

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	119.1	7.0	10.4#



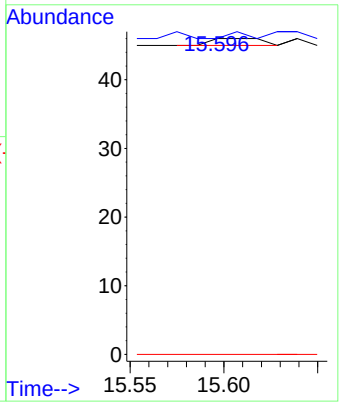


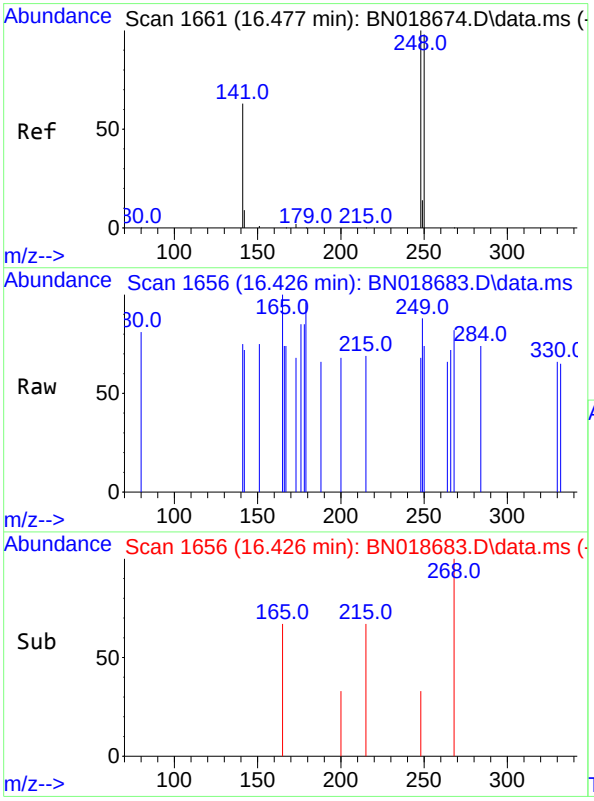
#20
4,6-Dinitro-2-methylphenol
Concen: 1.647 ng
RT: 15.596 min Scan# 1
Delta R.T. -0.064 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:198 Resp: 2

Ion	Ratio	Lower	Upper
198	100		
182	100.0	15.5	23.3#
77	0.0	0.0	0.0

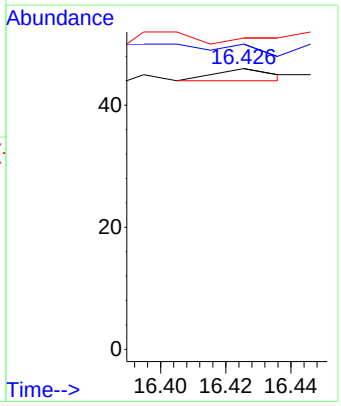


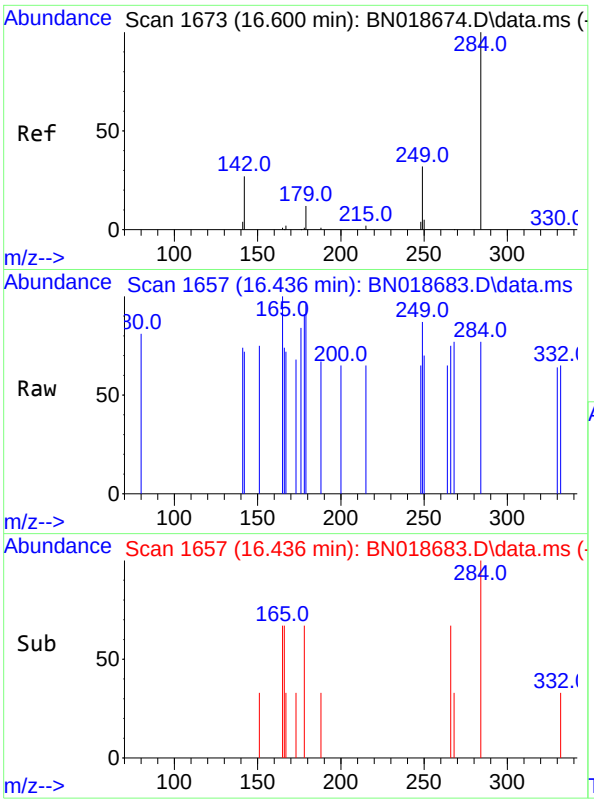


#21
4-Bromophenyl-phenylether
Concen: 0.469 ng
RT: 16.426 min Scan# 1656
Delta R.T. -0.051 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:248 Resp: 2

Ion	Ratio	Lower	Upper
248	100		
250	108.7	74.4	111.6
141	110.9	43.7	65.5#



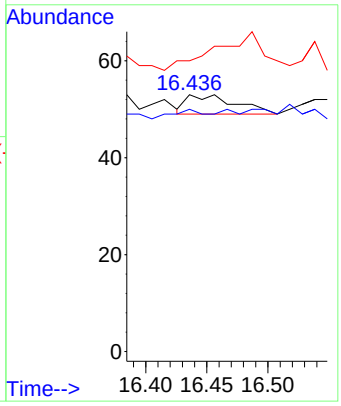


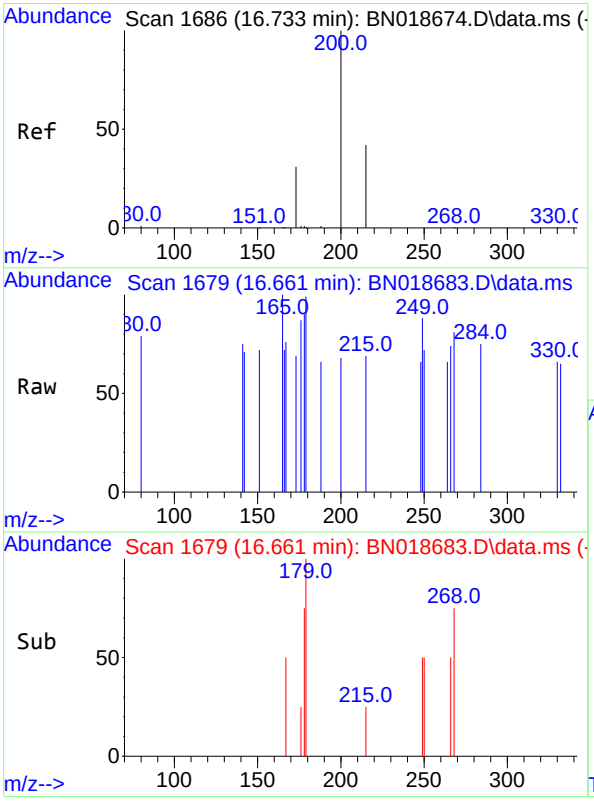
#22
Hexachlorobenzene
Concen: 2.061 ng
RT: 16.436 min Scan# 1
Delta R.T. -0.164 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:284 Resp: 11

Ion	Ratio	Lower	Upper
284	100		
142	9.1	21.6	32.4#
249	0.0	23.5	35.3#

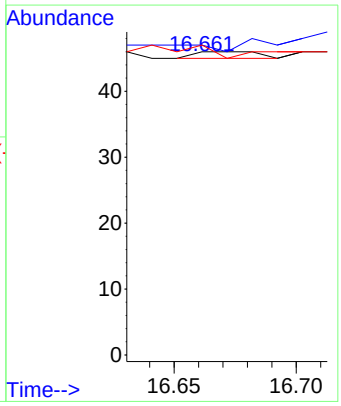


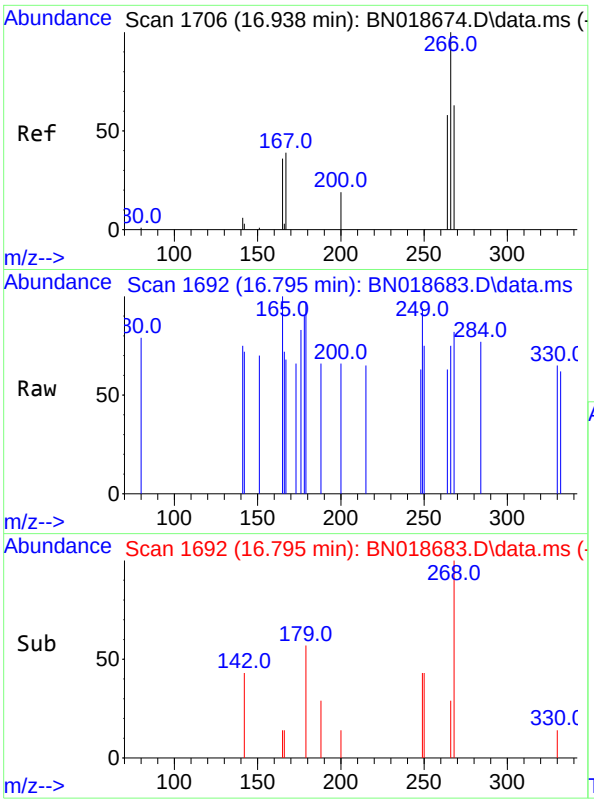


#23
Atrazine
Concen: 0.850 ng
RT: 16.661 min Scan# 1679
Delta R.T. -0.072 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:200 Resp: 2

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



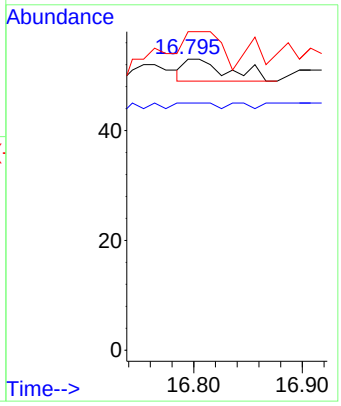


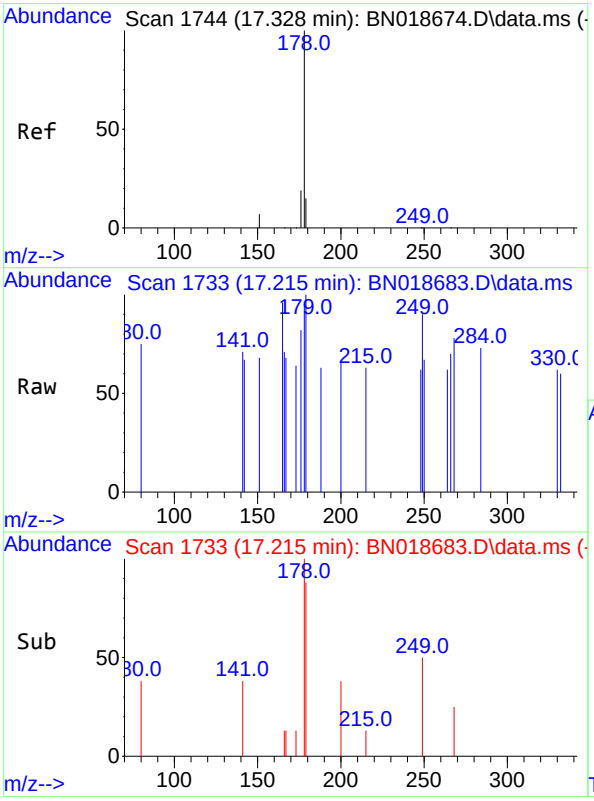
#24
Pentachlorophenol
Concen: 6.651 ng
RT: 16.795 min Scan# 1
Delta R.T. -0.143 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:266 Resp: 11

Ion	Ratio	Lower	Upper
266	100		
264	0.0	49.5	74.3#
268	200.0	50.6	76.0#

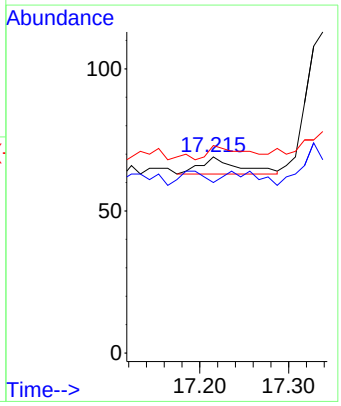


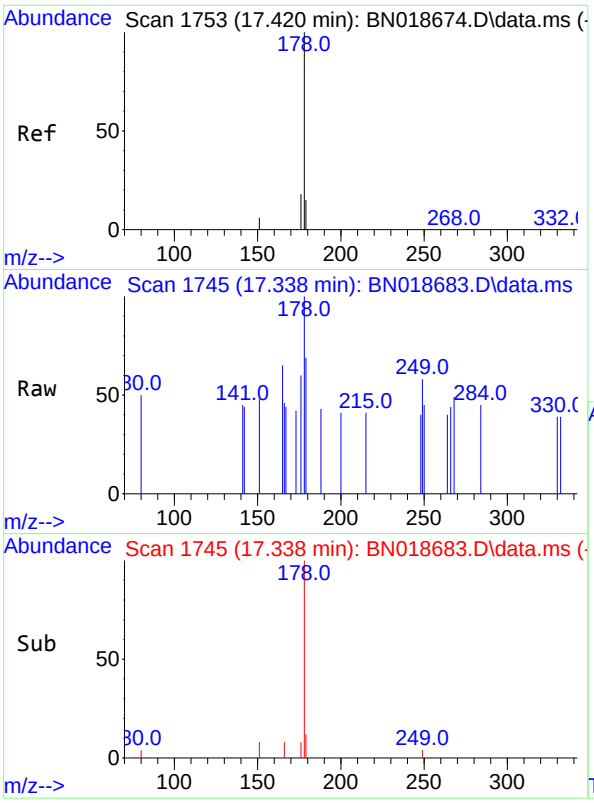


#25
Phenanthrene
Concen: 0.896 ng
RT: 17.215 min Scan# 1733
Delta R.T. -0.113 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:178 Resp: 18

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.3	22.9#
179	83.3	12.3	18.5#



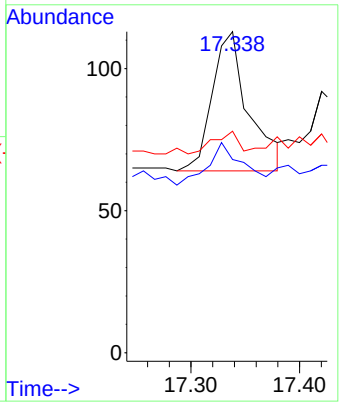


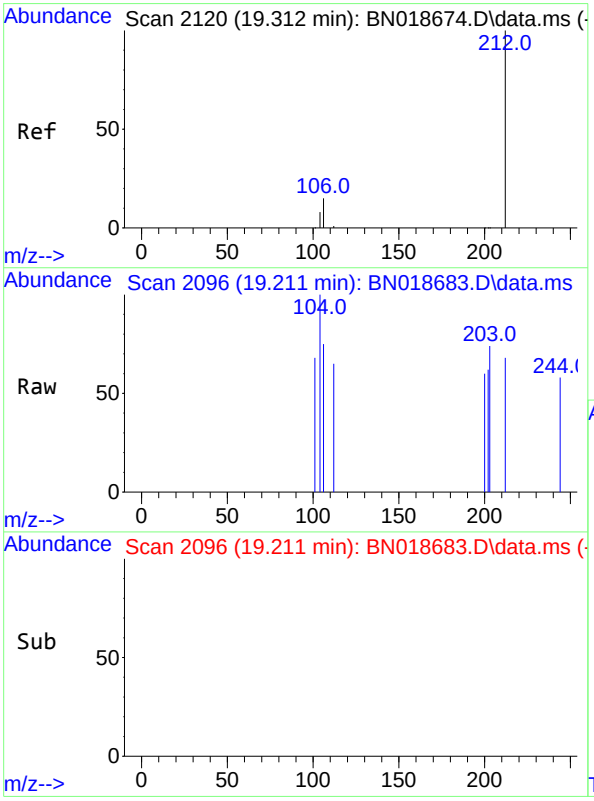
#26
Anthracene
Concen: 6.704 ng
RT: 17.338 min Scan# 1
Delta R.T. -0.082 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:178 Resp: 114

Ion	Ratio	Lower	Upper
178	100		
176	28.9	14.8	22.2#
179	13.2	12.2	18.4

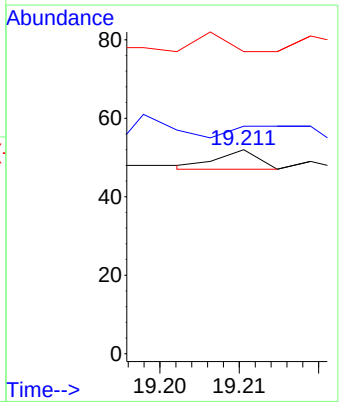


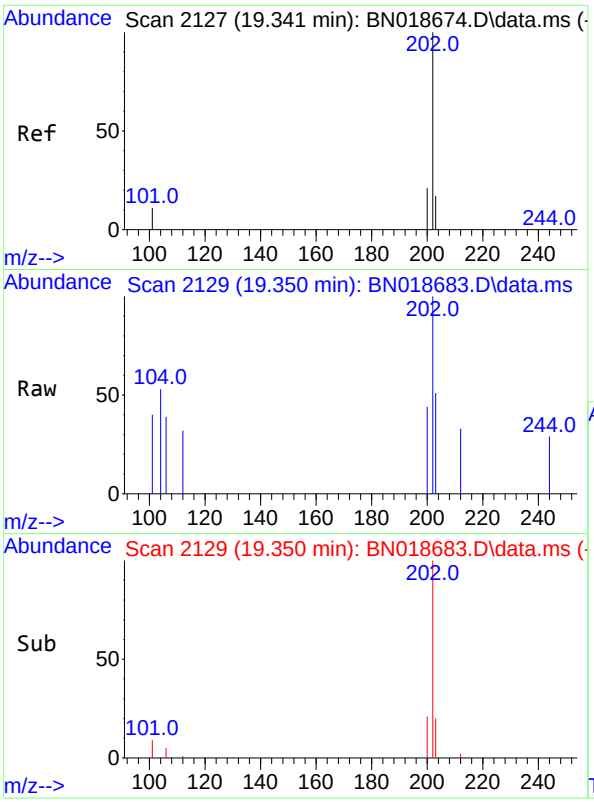


#27
Fluoranthene-d10
Concen: 0.123 ng
RT: 19.211 min Scan# 2096
Delta R.T. -0.101 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:212 Resp: 2

Ion	Ratio	Lower	Upper
212	100		
106	100.0	8.4	12.6#
104	50.0	4.5	6.7#



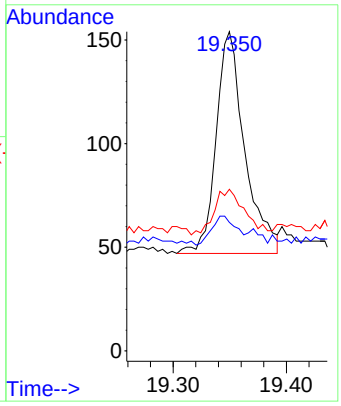


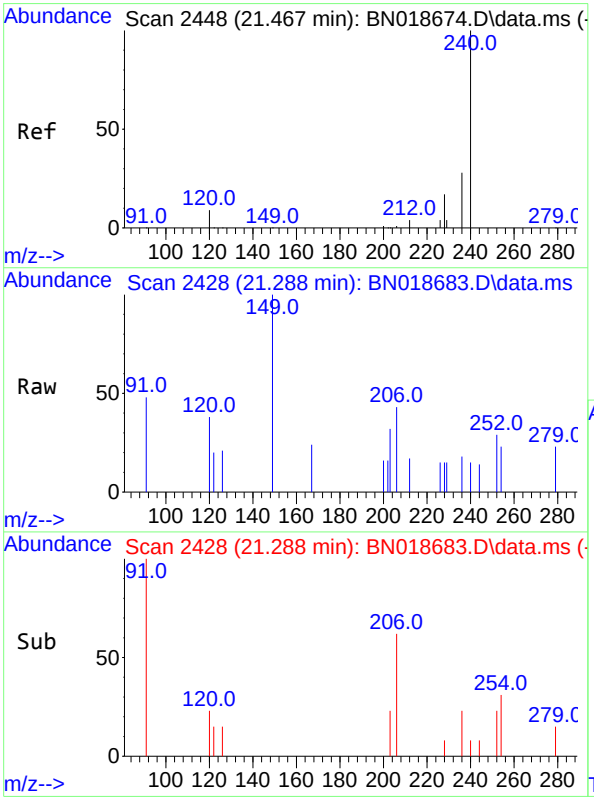
#28
Fluoranthene
Concen: 8.958 ng
RT: 19.350 min Scan# 21
Delta R.T. 0.008 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:202 Resp: 188

Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.2	10.8#
203	21.3	13.7	20.5#

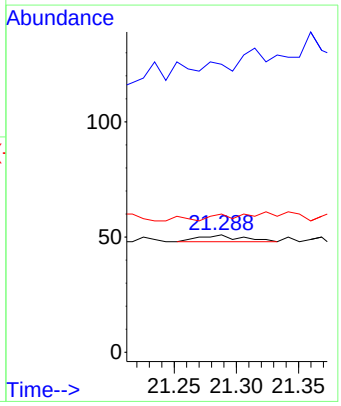


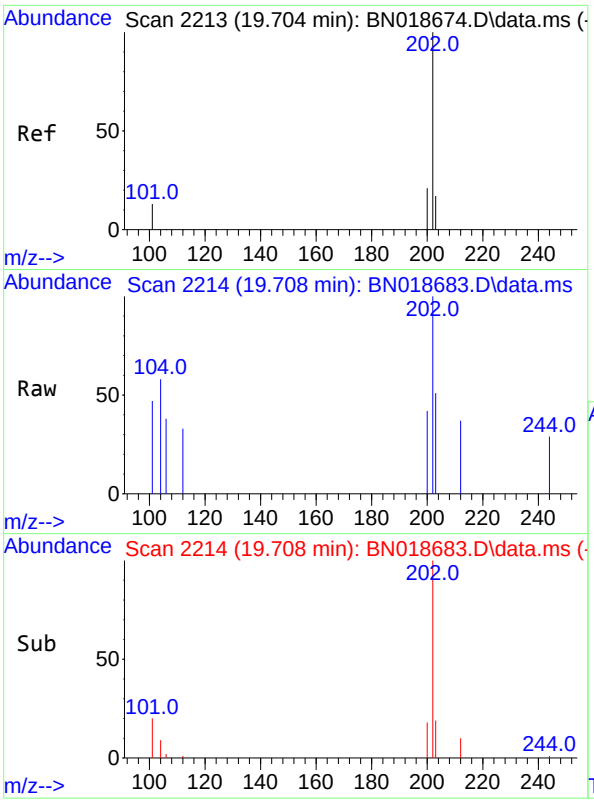


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.288 min Scan# 2428
Delta R.T. -0.179 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:240 Resp: 7

Ion	Ratio	Lower	Upper
240	100		
120	245.1	6.0	9.0#
236	117.6	21.4	32.2#



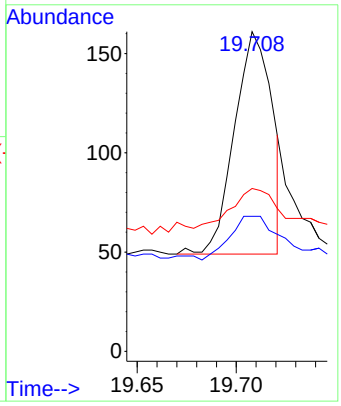


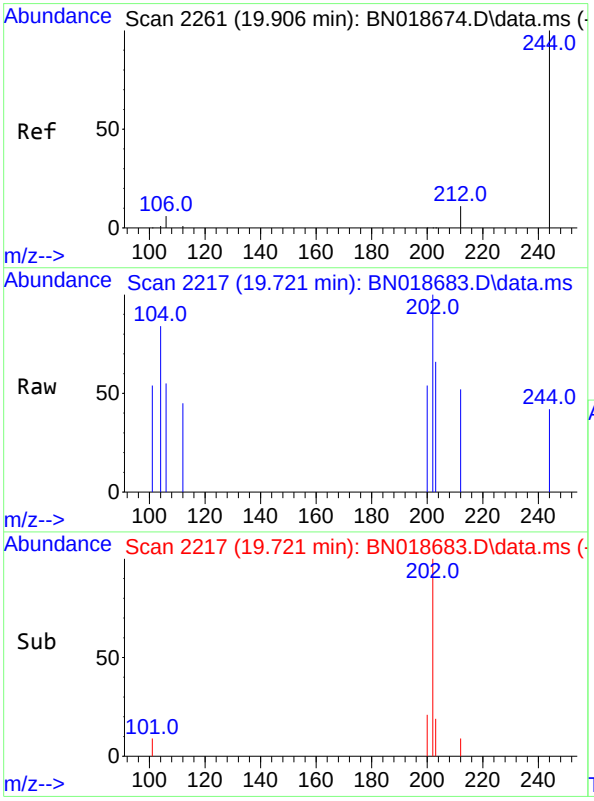
#30
Pyrene
Concen: 4.703 ng
RT: 19.708 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:202 Resp: 147

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.6	25.0
203	19.0	14.1	21.1

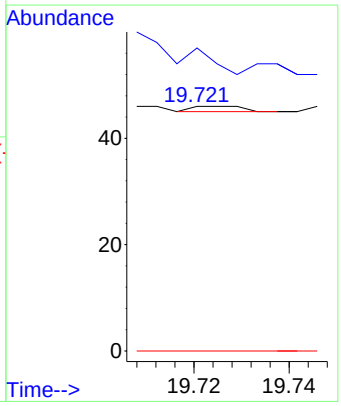


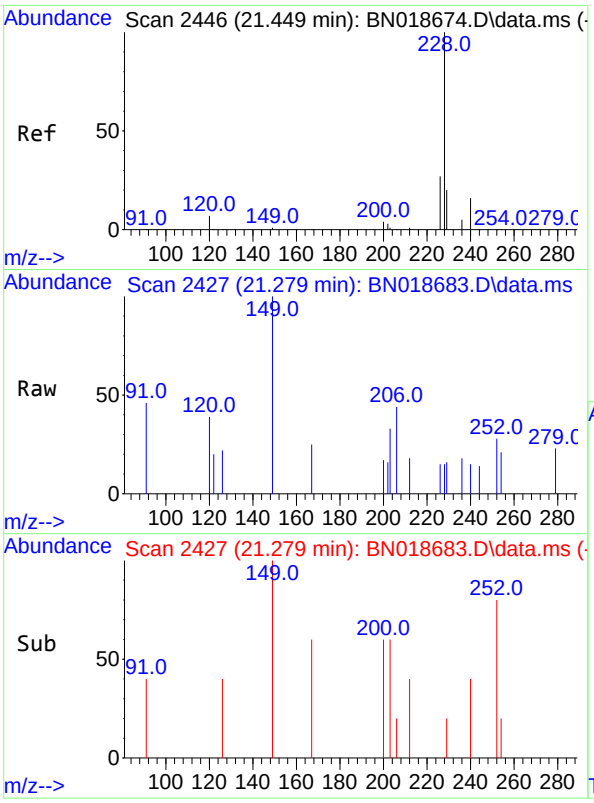


#31
Terphenyl-d14
Concen: 0.066 ng
RT: 19.721 min Scan# 2217
Delta R.T. -0.185 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:244 Resp: 1

Ion	Ratio	Lower	Upper
244	100		
212	123.9	6.2	9.2#
122	0.0	7.9	11.9#



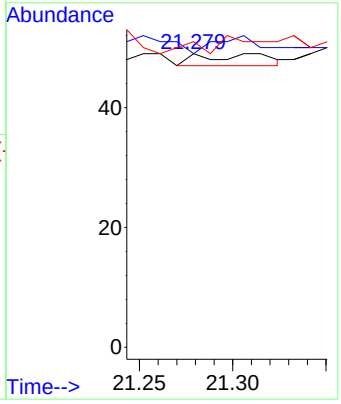


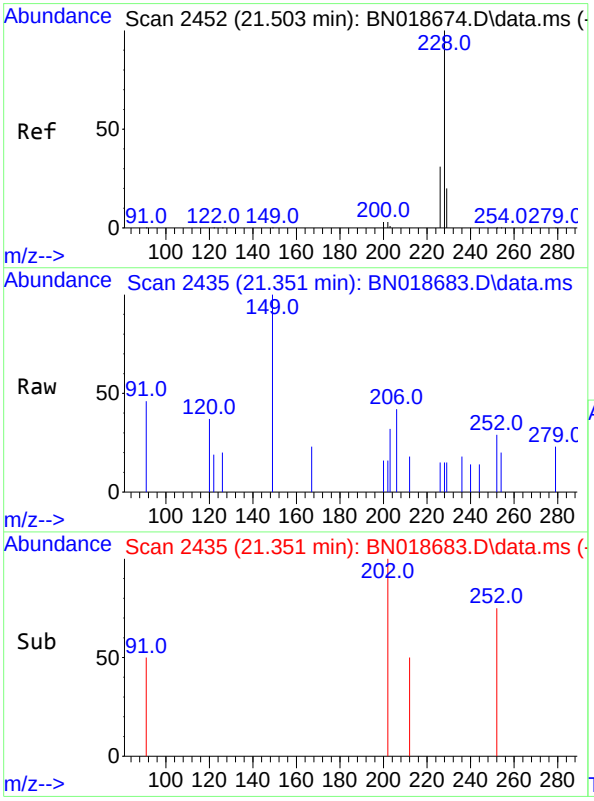
#32
Benzo(a)anthracene
Concen: 0.188 ng
RT: 21.279 min Scan# 24
Delta R.T. -0.170 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:228 Resp: 5

Ion	Ratio	Lower	Upper
228	100		
226	100.0	21.3	31.9#
229	104.1	15.9	23.9#

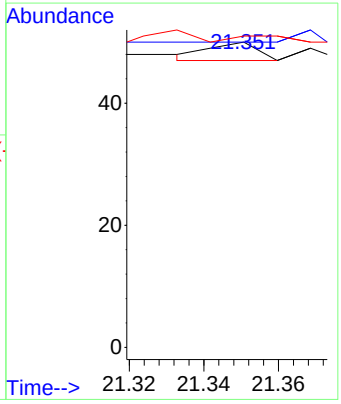


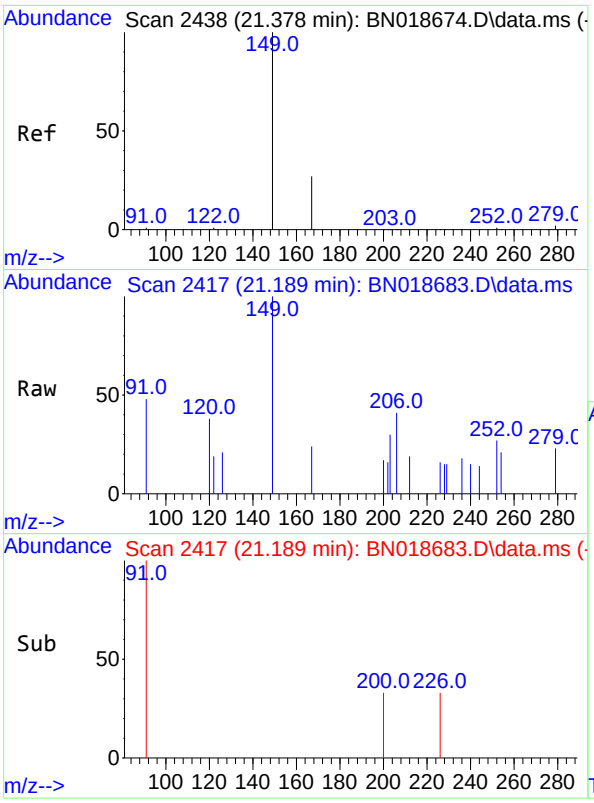


#33
Chrysene
Concen: 0.101 ng
RT: 21.351 min Scan# 2435
Delta R.T. -0.152 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:228 Resp: 3

Ion	Ratio	Lower	Upper
228	100		
226	100.0	24.2	36.4#
229	102.0	15.5	23.3#



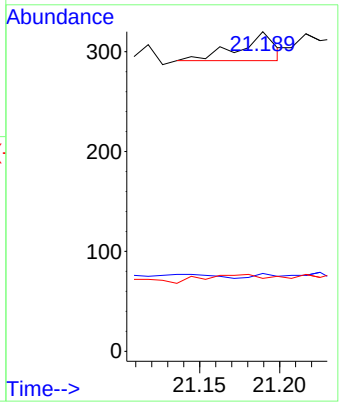


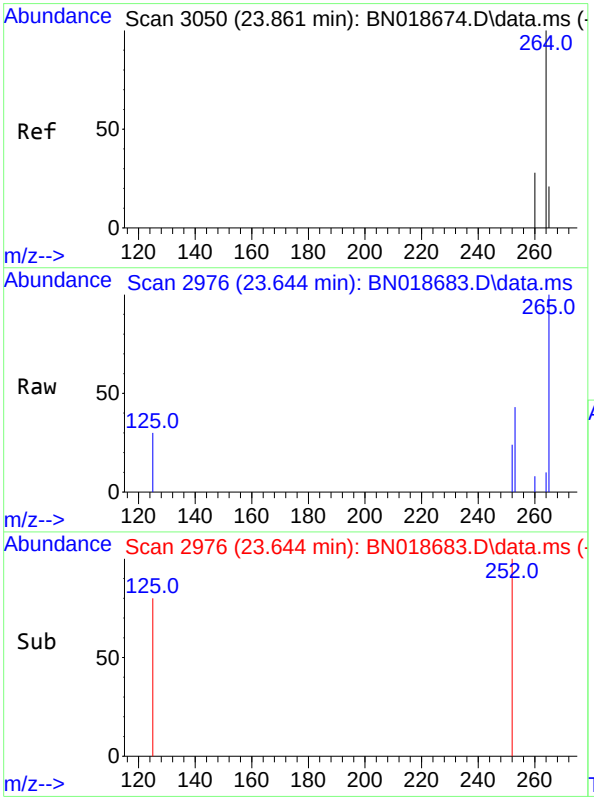
#34
Bis(2-ethylhexyl)phthalate
Concen: 4.172 ng
RT: 21.189 min Scan# 24
Delta R.T. -0.188 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:149 Resp: 45

Ion	Ratio	Lower	Upper
149	100		
167	8.9	23.7	35.5#
279	62.2	3.6	5.4#

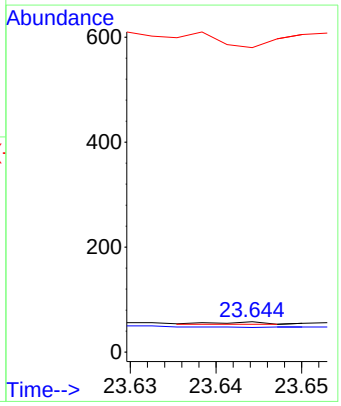


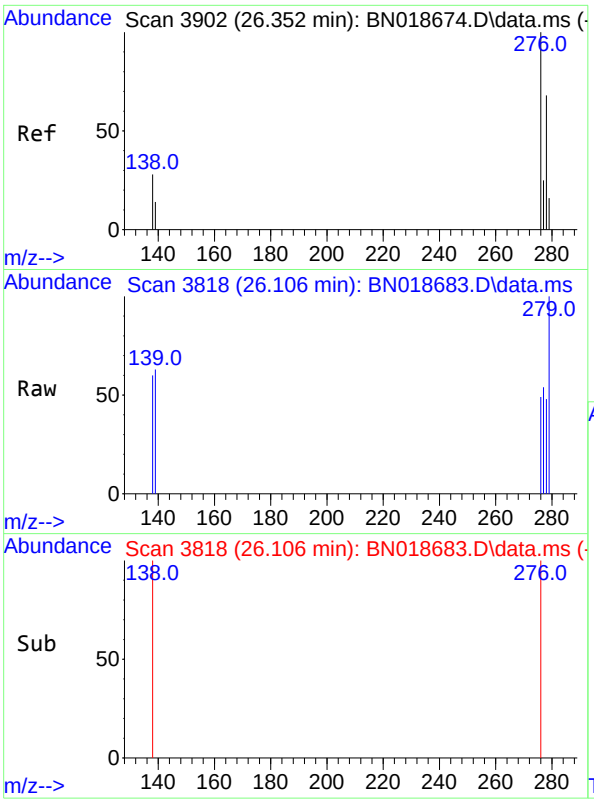


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.644 min Scan# 2976
Delta R.T. -0.216 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:264 Resp: 2

Ion	Ratio	Lower	Upper
264	100		
260	81.0	20.2	30.4#
265	1000.0	18.2	27.2#



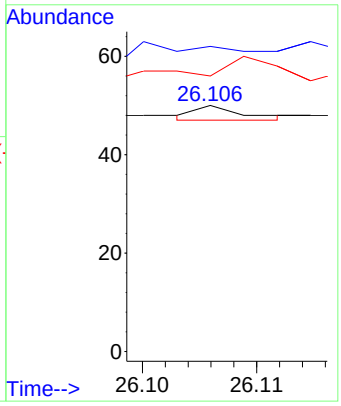


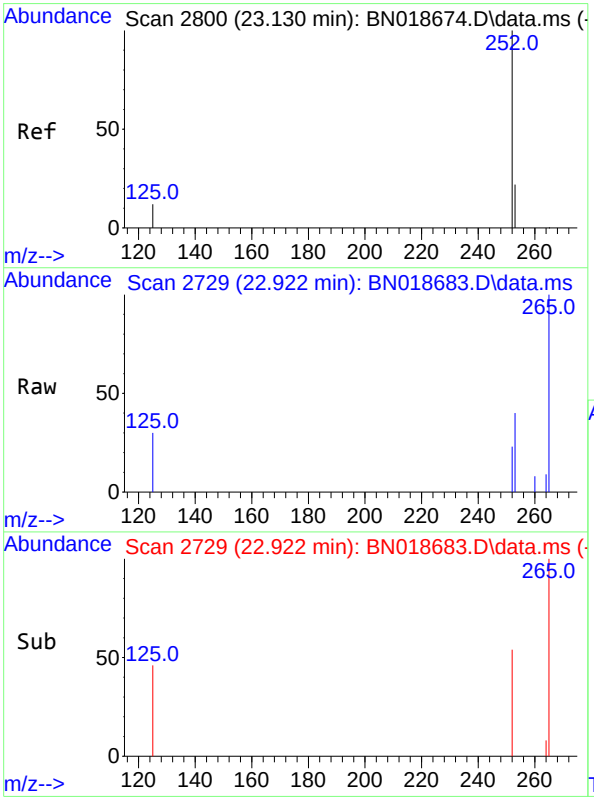
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.095 ng
RT: 26.106 min Scan# 3
Delta R.T. -0.246 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:276 Resp: 1

Ion	Ratio	Lower	Upper
276	100		
138	200.0	14.9	22.3#
277	400.0	19.9	29.9#

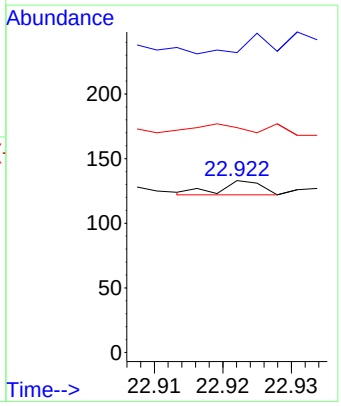


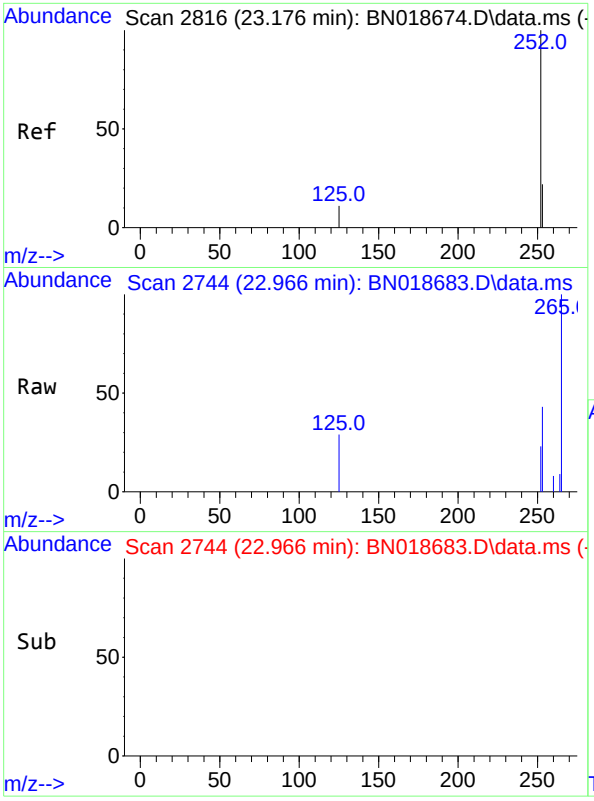


#37
Benzo(b)fluoranthene
Concen: 0.550 ng
RT: 22.922 min Scan# 2729
Delta R.T. -0.208 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:252 Resp: 5

Ion	Ratio	Lower	Upper
252	100		
253	174.4	17.8	26.6#
125	130.8	6.0	9.0#



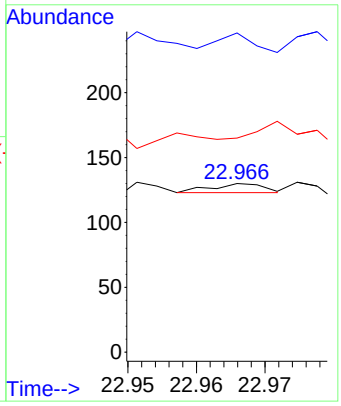


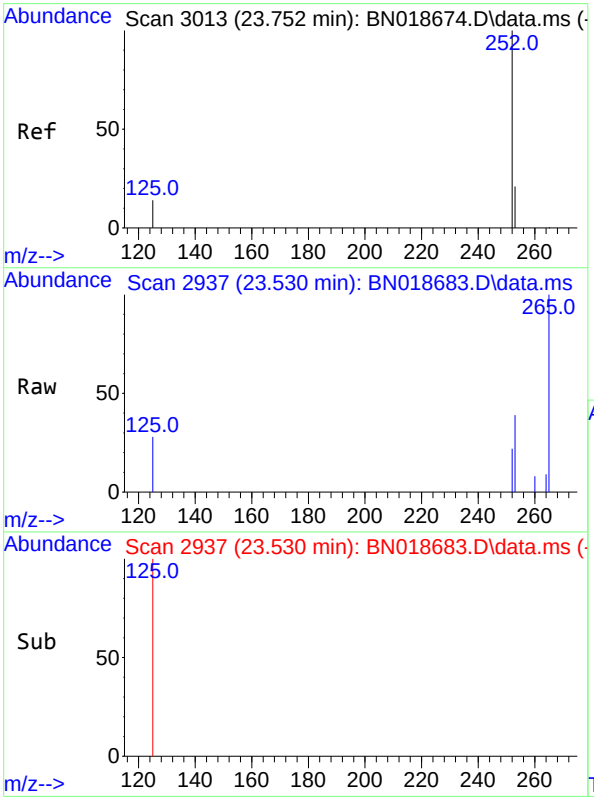
#38
Benzo(k)fluoranthene
Concen: 0.444 ng
RT: 22.966 min Scan# 2
Delta R.T. -0.210 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:252 Resp: 4

Ion	Ratio	Lower	Upper
252	100		
253	189.2	17.7	26.5#
125	126.9	6.2	9.2#

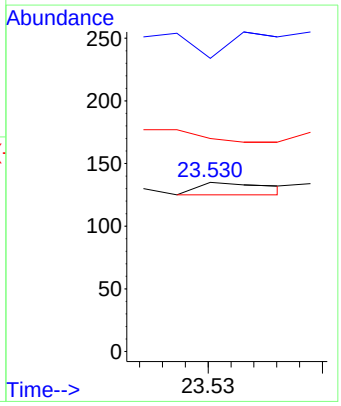


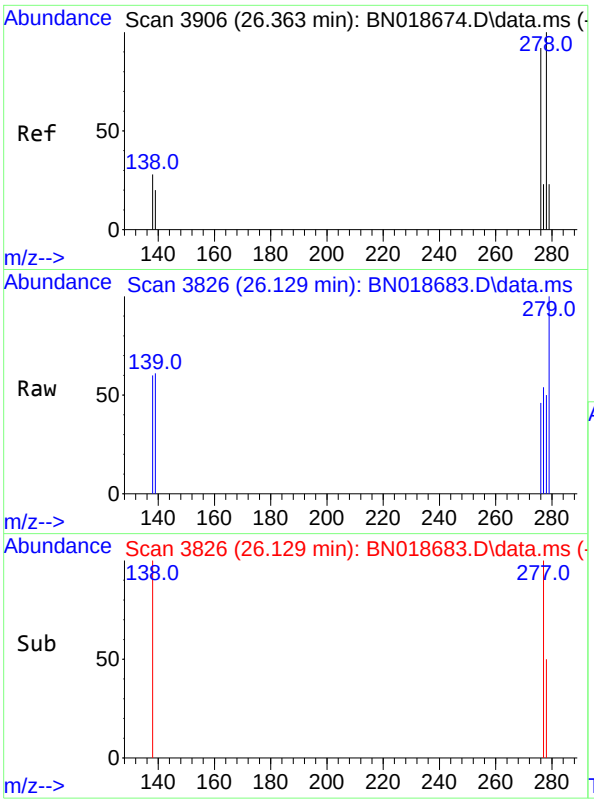


#39
Benzo(a)pyrene
Concen: 0.552 ng
RT: 23.530 min Scan# 2937
Delta R.T. -0.222 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:252 Resp: 4

Ion	Ratio	Lower	Upper
252	100		
253	173.3	17.8	26.6#
125	125.9	7.0	10.4#



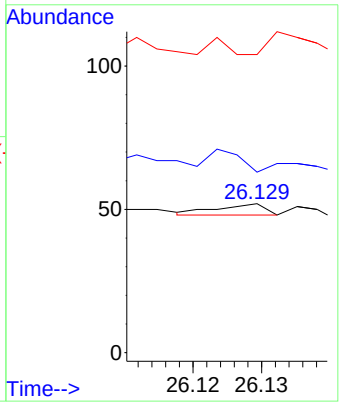


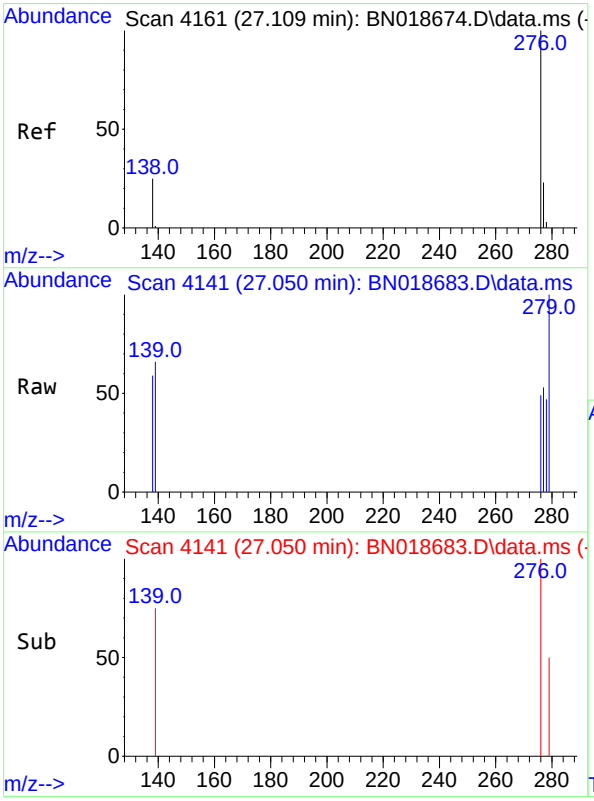
#40
Dibenzo(a,h)anthracene
Concen: 0.243 ng
RT: 26.129 min Scan# 3
Delta R.T. -0.234 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:278 Resp: 2

Ion	Ratio	Lower	Upper
278	100		
139	121.2	10.8	16.2#
279	200.0	19.0	28.4#





#41
Benzo(g,h,i)perylene
Concen: 0.332 ng
RT: 27.050 min Scan# 4141
Delta R.T. -0.058 min
Lab File: BN018683.D
Acq: 22 Feb 2022 18:54

Tgt Ion:276 Resp: 3

Ion	Ratio	Lower	Upper
276	100		
277	107.7	19.0	28.6#
138	121.2	12.6	19.0#