Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022422\
Data File : BN018721.D
Acq On : 24 Feb 2022 23:42
Operator : CG/JU
Sample : SP5832
Misc : 8270 SIM SPIKE
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SP5832

Quant Time: Feb 25 00:49:44 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	7.919	152	8156	0.400	ng	0.00
7) Naphthalene-d8	10.722	136	20140	0.400	ng	0.00
13) Acenaphthene-d10	14.538	164	9239	0.400	ng	-0.01
19) Phenanthrene-d10	17.287	188	15685	0.400	ng	0.00
29) Chrysene-d12	21.458	240	10359	0.400	ng	# 0.00
35) Perylene-d12	23.861	264	8728	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.326	88	2809	0.297	ng	# 69
3) n-Nitrosodimethylamine	3.644	42	3447	0.367	ng	# 86
6) bis(2-Chloroethyl)ether	7.327	93	7604	0.345	ng	99
9) Naphthalene	10.765	128	18840	0.324	ng	99
10) Hexachlorobutadiene	11.064	225	4157	0.297	ng	# 100
12) 2-Methylnaphthalene	12.378	142	12339	0.317	ng	97
16) Acenaphthylene	14.260	152	13566	0.310	ng	100
17) Acenaphthene	14.602	154	9380	0.310	ng	99
18) Fluorene	15.586	166	10877	0.299	ng	99
20) 4,6-Dinitro-2-methylph...	15.660	198	495	0.293	ng	94
21) 4-Bromophenyl-phenylether	16.477	248	3271	0.293	ng	95
22) Hexachlorobenzene	16.600	284	4422	0.317	ng	# 89
23) Atrazine	16.733	200	1657	0.269	ng	# 94
24) Pentachlorophenol	16.938	266	1668	0.532	ng	99
25) Phenanthrene	17.328	178	15911	0.303	ng	100
26) Anthracene	17.410	178	13048	0.294	ng	100
28) Fluoranthene	19.341	202	14695	0.268	ng	# 97
30) Pyrene	19.704	202	15047	0.325	ng	100
32) Benzo(a)anthracene	21.449	228	11885	0.303	ng	99
33) Chrysene	21.503	228	13658	0.312	ng	98
34) Bis(2-ethylhexyl)phtha...	21.378	149	4157	0.260	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.343	276	13930	0.302	ng	# 88
37) Benzo(b)fluoranthene	23.130	252	13099	0.330	ng	# 91
38) Benzo(k)fluoranthene	23.176	252	12518	0.318	ng	# 91
39) Benzo(a)pyrene	23.752	252	11271	0.357	ng	# 88
40) Dibenzo(a,h)anthracene	26.360	278	11416	0.318	ng	# 89
41) Benzo(g,h,i)perylene	27.103	276	13304	0.337	ng	# 87

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

Quantitation Report (QT Reviewed)

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Instrument :
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ClientSampleId :
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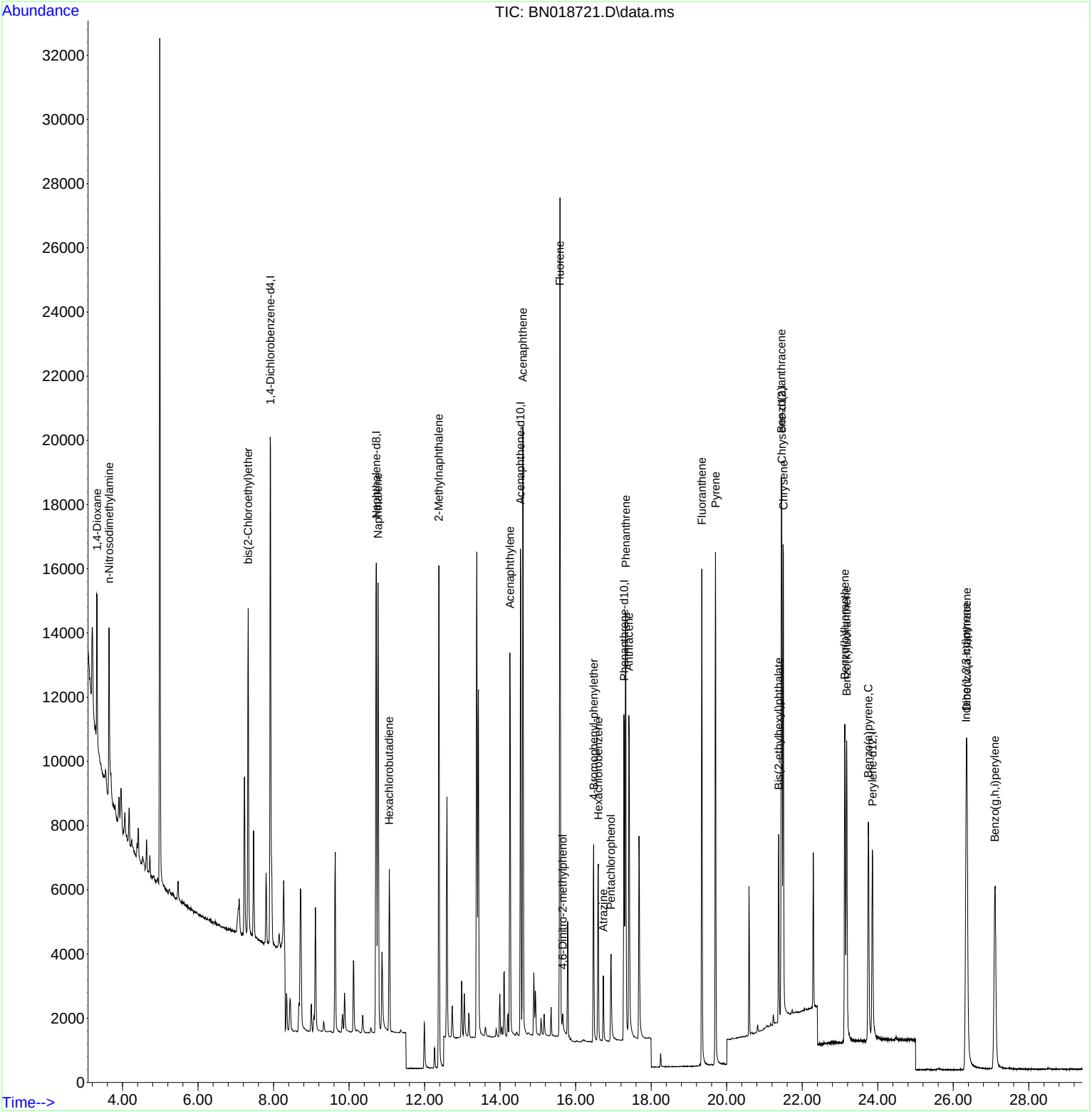
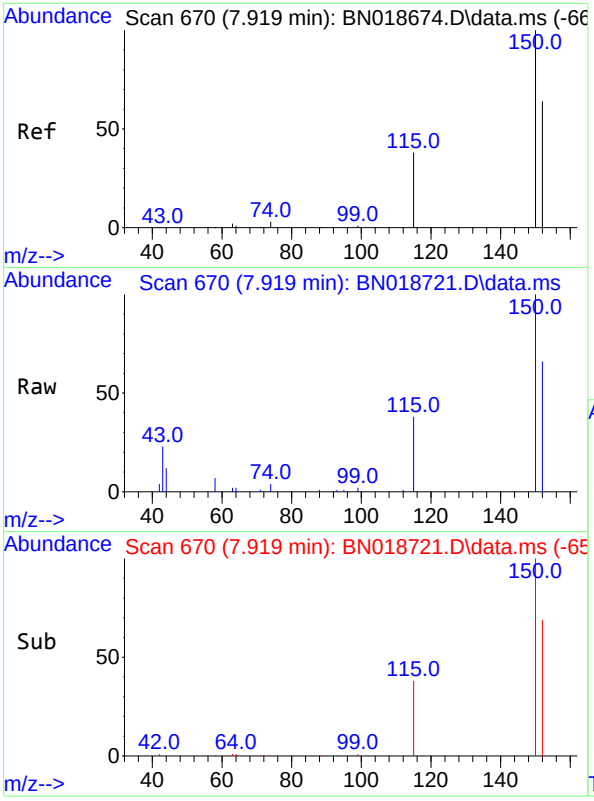
Quant Time: Feb 25 00:49:44 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration



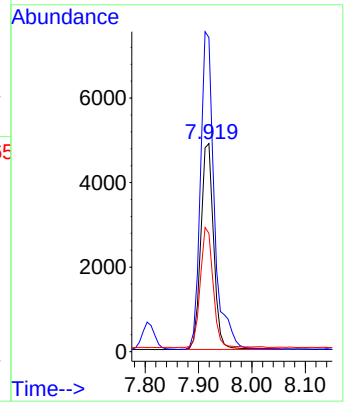


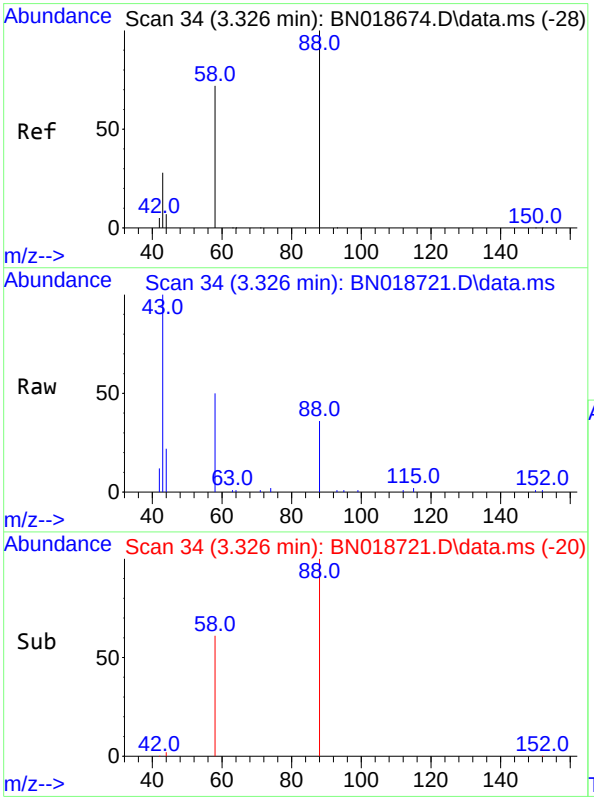
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.919 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:152 Resp: 8156

Ion	Ratio	Lower	Upper
152	100		
150	150.9	121.7	182.5
115	56.9	43.8	65.8

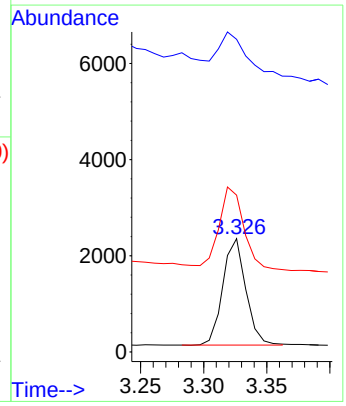


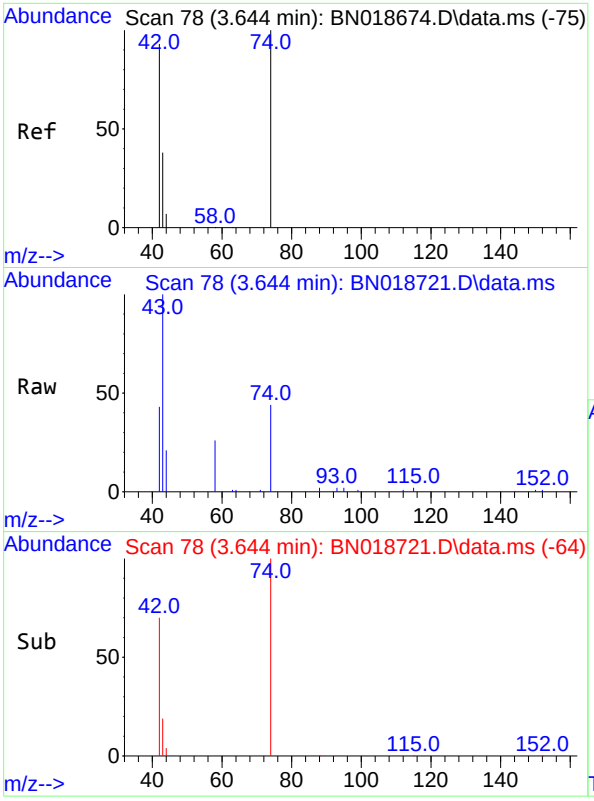


#2
1,4-Dioxane
Concen: 0.297 ng
RT: 3.326 min Scan# 34
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion: 88 Resp: 2809

Ion	Ratio	Lower	Upper
88	100		
43	47.5	69.7	104.5#
58	82.3	83.8	125.8#



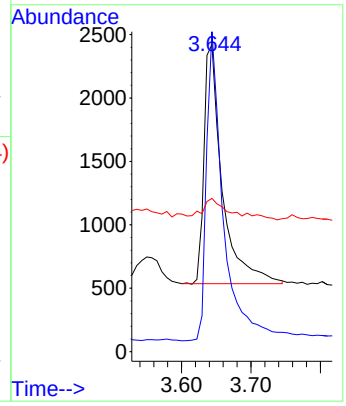


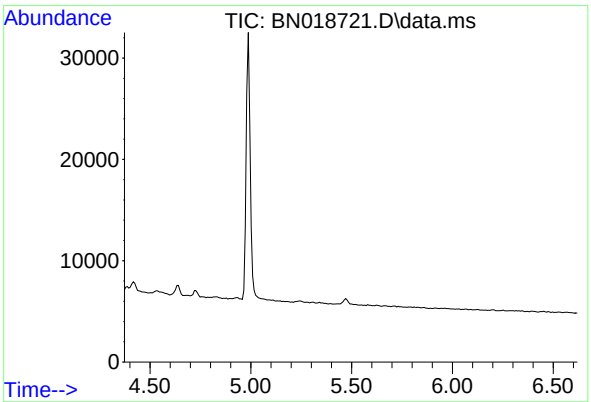
#3
n-Nitrosodimethylamine
Concen: 0.367 ng
RT: 3.644 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion: 42 Resp: 3447

Ion	Ratio	Lower	Upper
42	100		
74	119.0	108.6	163.0
44	13.8	5.8	8.8#



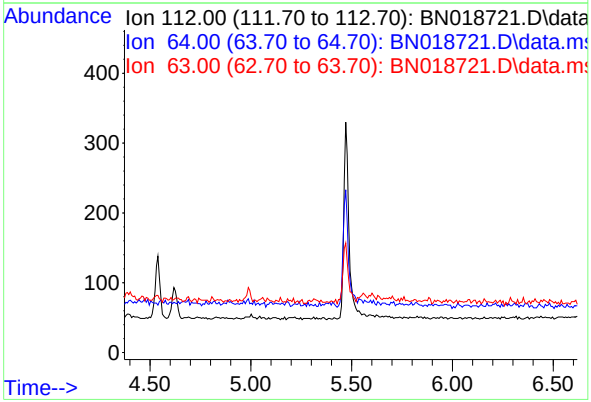


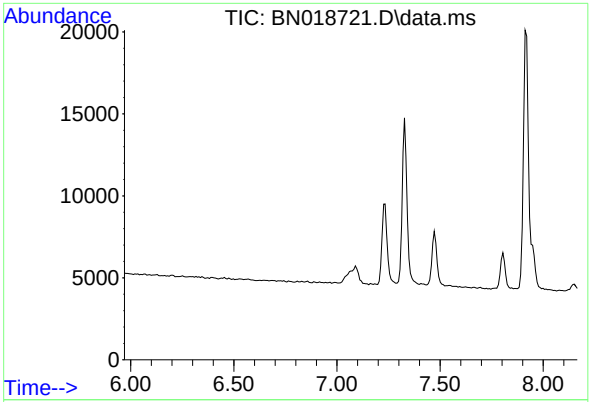
#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.47 min

Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.0
63	31.6





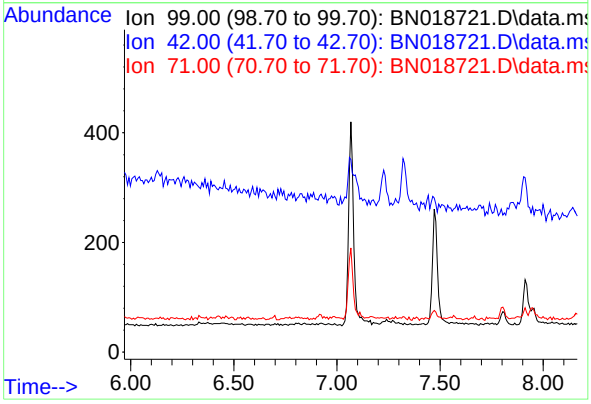
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.07 min

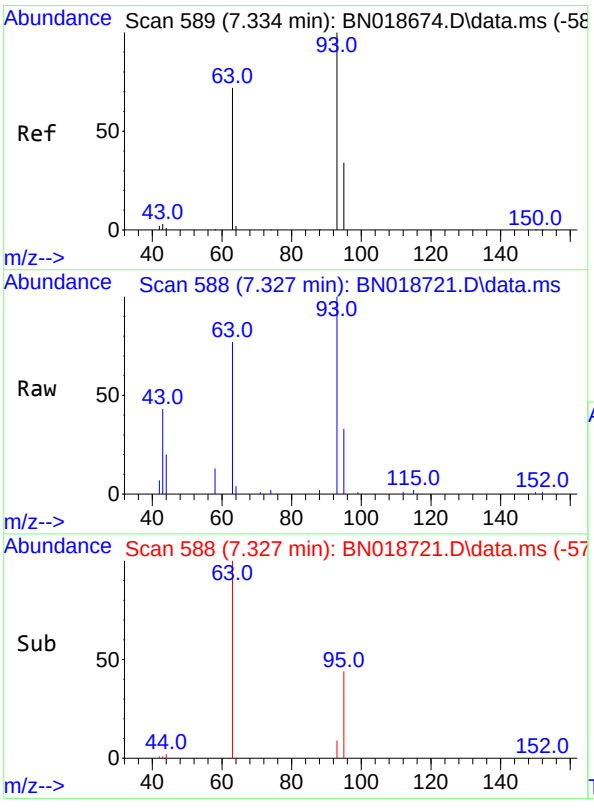
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	20.4
71	33.5

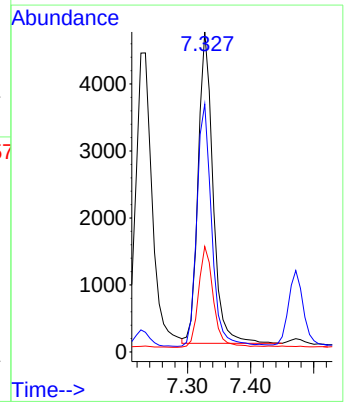


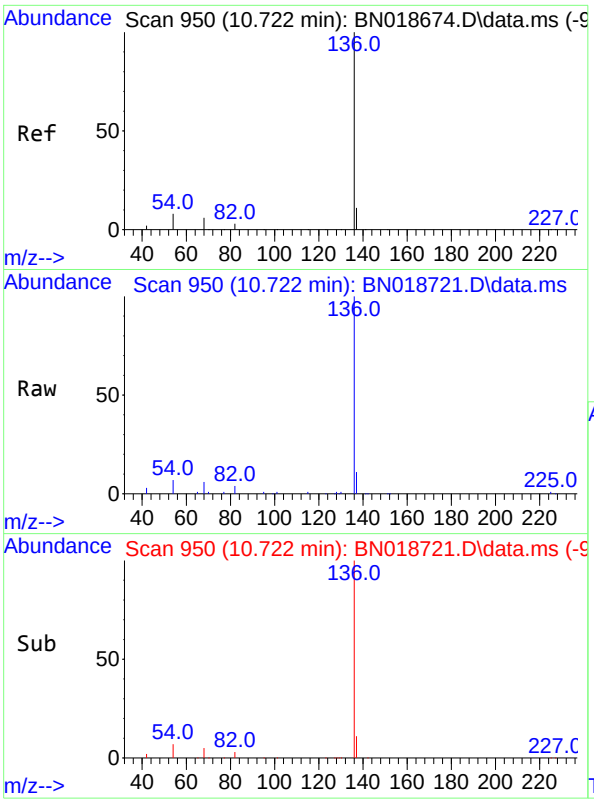


#6
bis(2-Chloroethyl)ether
Concen: 0.345 ng
RT: 7.327 min Scan# 588
Delta R.T. -0.007 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion: 93 Resp: 7604

Ion	Ratio	Lower	Upper
93	100		
63	78.0	61.7	92.5
95	32.7	26.2	39.4



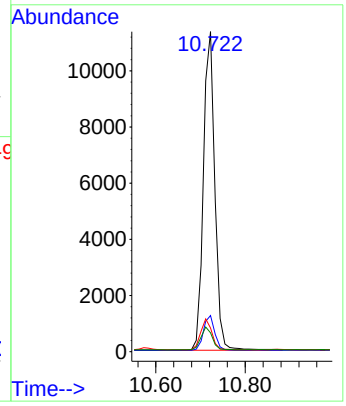


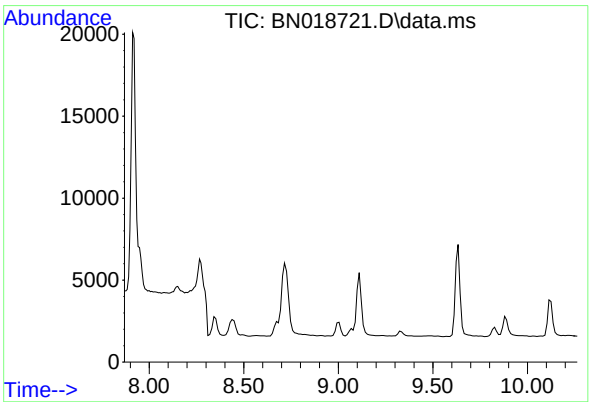
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:136 Resp: 20140

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.4	5.0	7.6
68	5.9	4.4	6.6



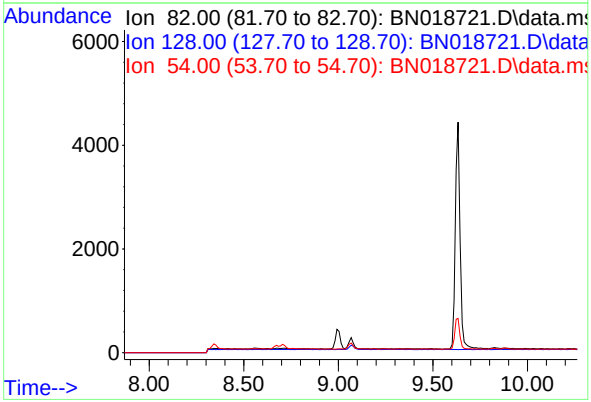


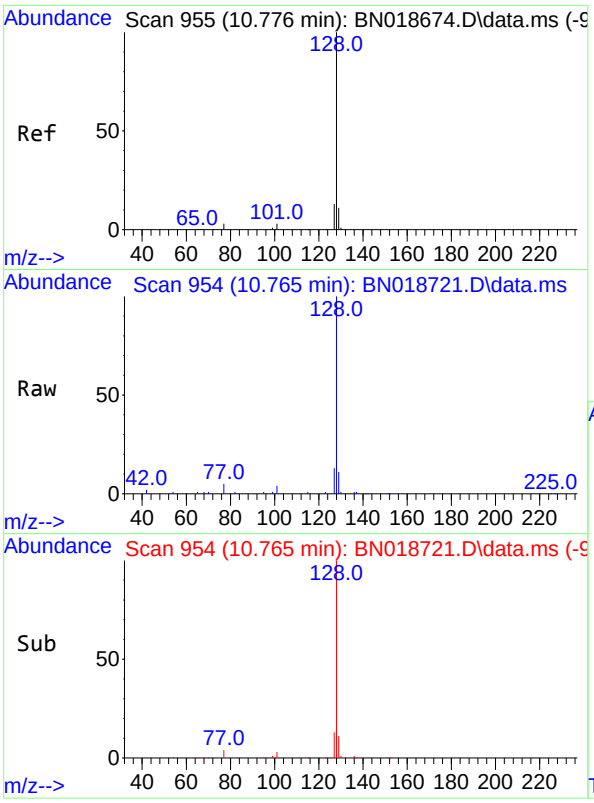
#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.07 min

Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.1
54	45.8



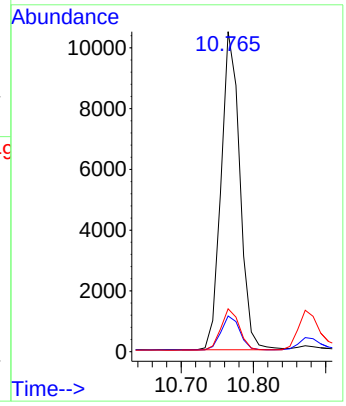


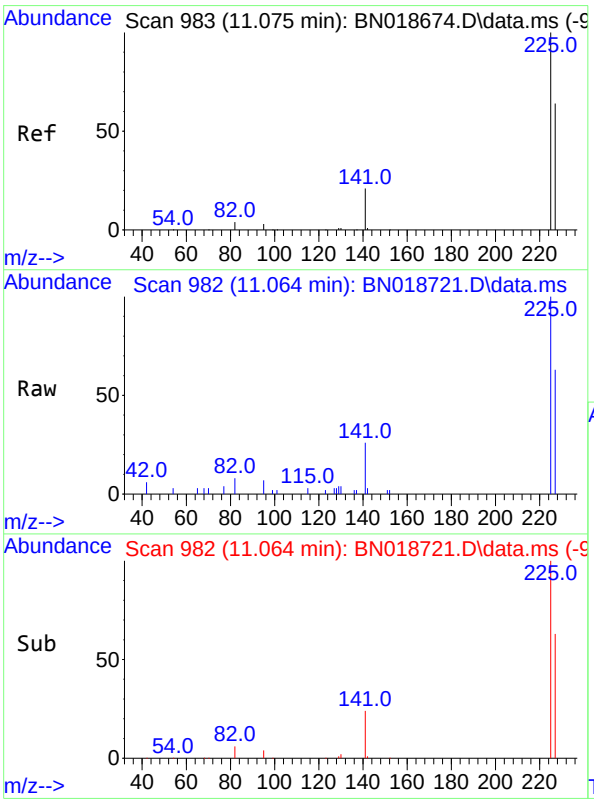
#9
Naphthalene
Concen: 0.324 ng
RT: 10.765 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:128 Resp: 18840

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.4	10.4	15.6

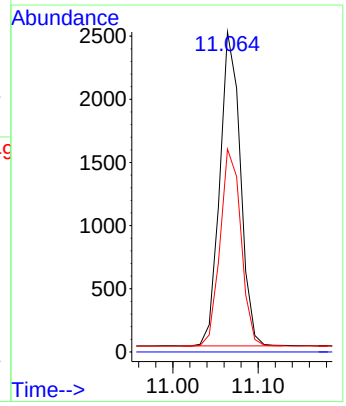


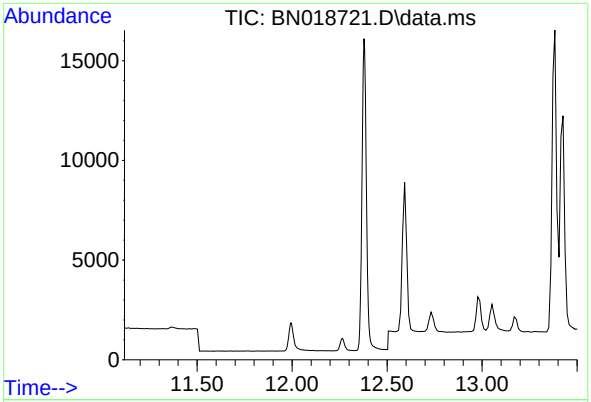


#10
Hexachlorobutadiene
Concen: 0.297 ng
RT: 11.064 min Scan# 982
Delta R.T. -0.011 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:225 Resp: 4157

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.0	76.6





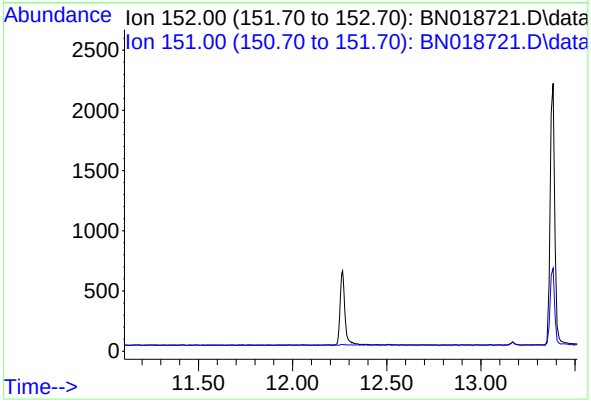
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.31 min

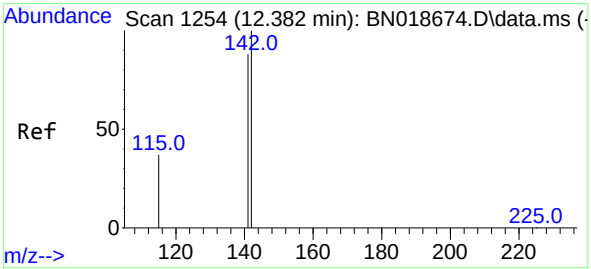
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

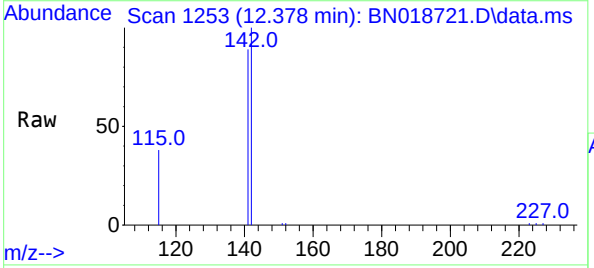
Instrument :
BNA_N
ClientSampleId :
SP5832

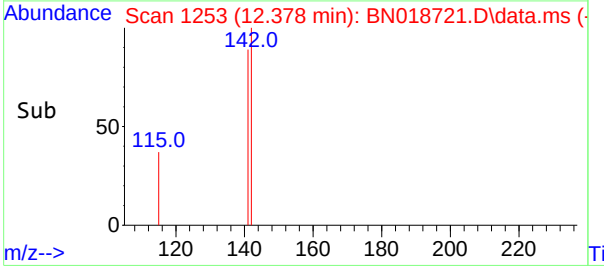
Tgt Ion: 152

Sig	Exp Ratio
152	100
151	20.2





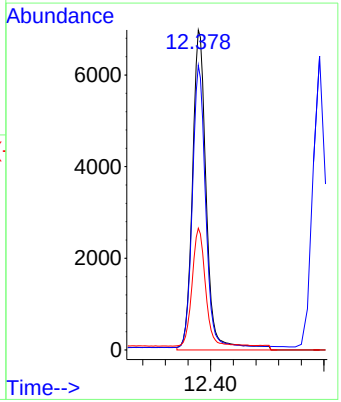


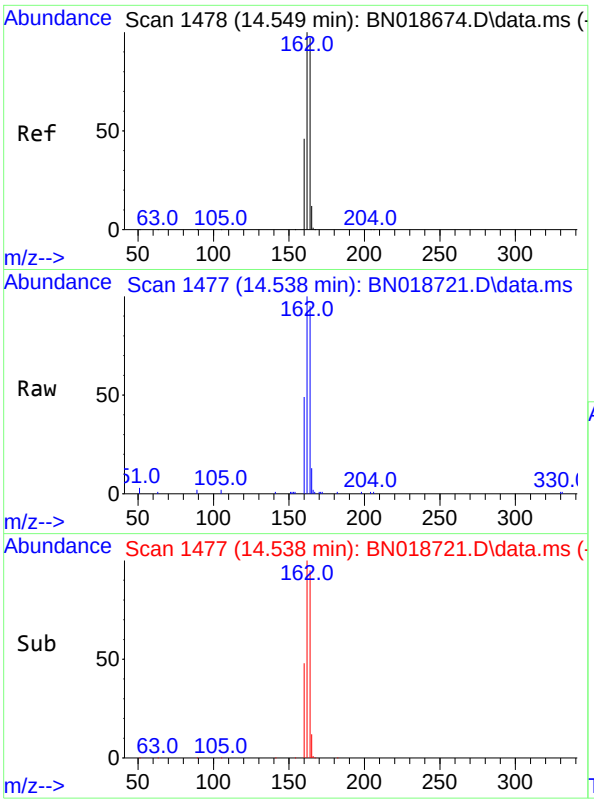


#12
2-Methylnaphthalene
Concen: 0.317 ng
RT: 12.378 min Scan# 1253
Delta R.T. -0.004 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:142 Resp: 12339

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.0	105.0
115	38.0	27.8	41.8



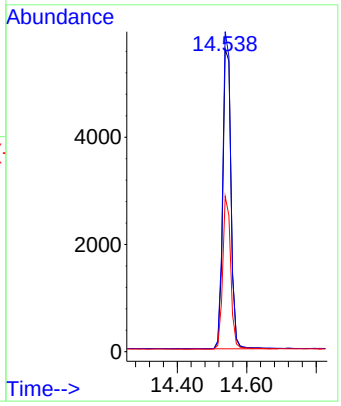


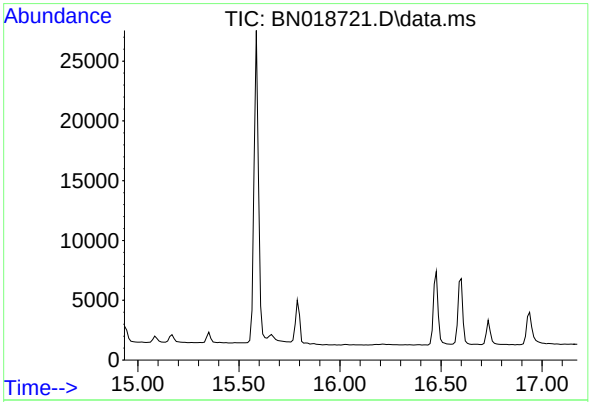
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.538 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:164 Resp: 9239

Ion	Ratio	Lower	Upper
164	100		
162	105.7	80.2	120.2
160	51.3	36.9	55.3



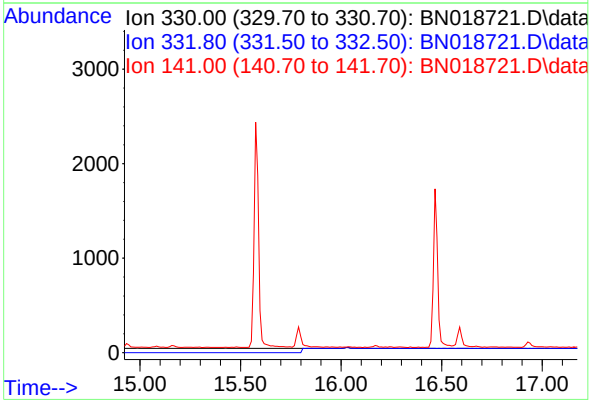


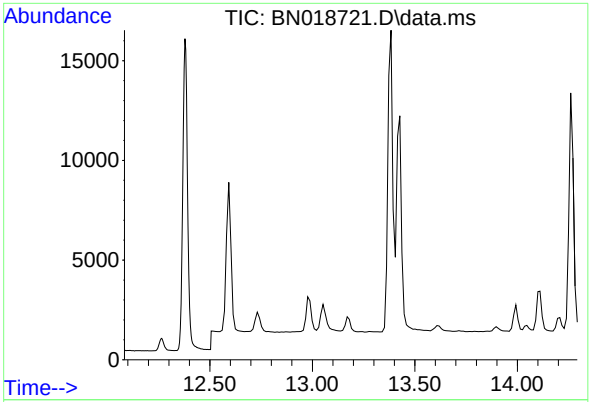
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.02 min

Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	0.0
141	26.6





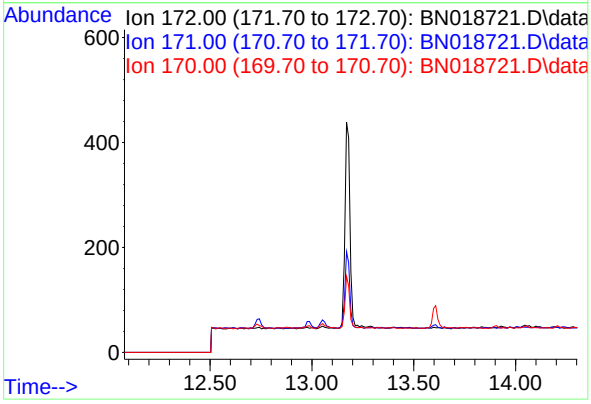
#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.18 min

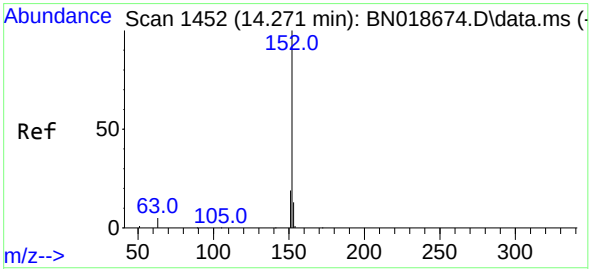
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

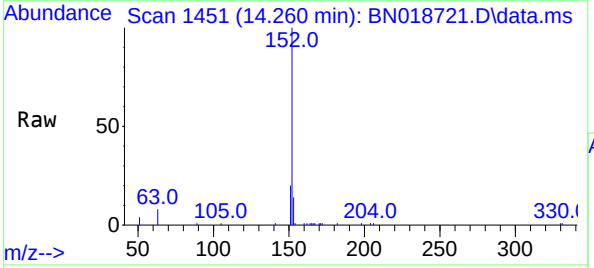
Instrument :
BNA_N
ClientSampleId :
SP5832

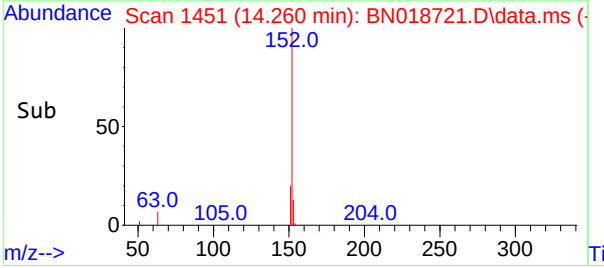
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.2
170	23.0





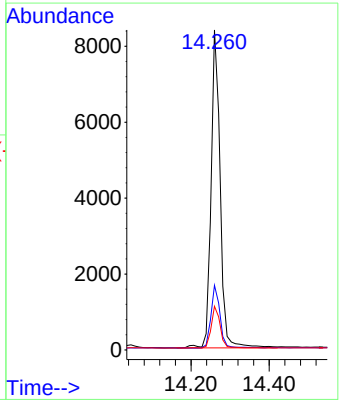


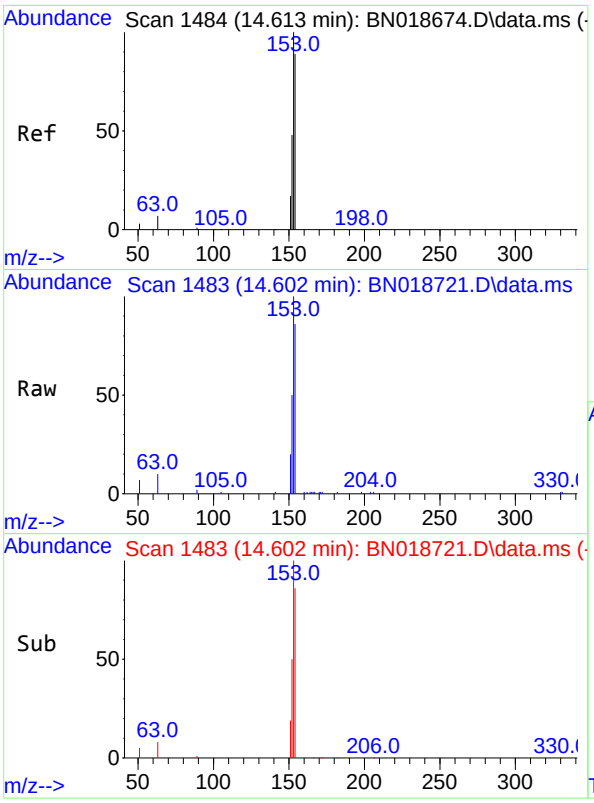


#16
Acenaphthylene
Concen: 0.310 ng
RT: 14.260 min Scan# 1451
Delta R.T. -0.011 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:152 Resp: 13566

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.5	15.7



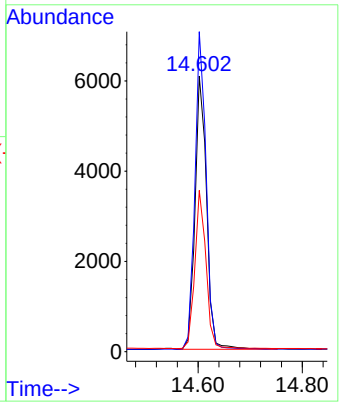


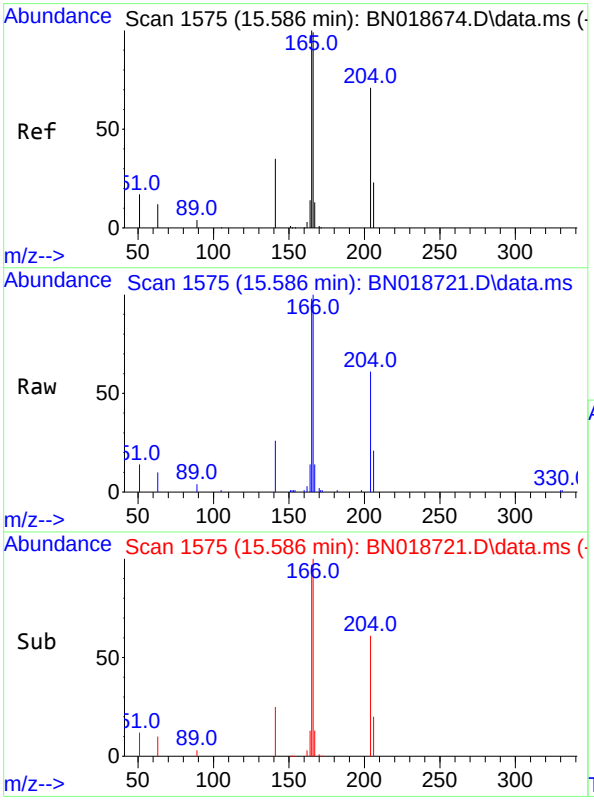
#17
Acenaphthene
Concen: 0.310 ng
RT: 14.602 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:154 Resp: 9380

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.9	136.3
152	55.7	45.0	67.4

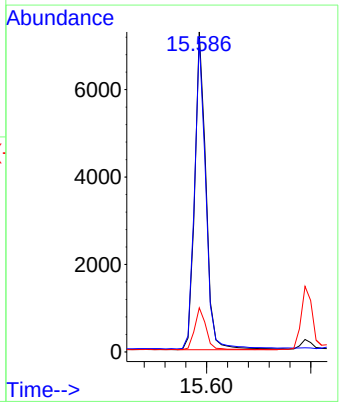


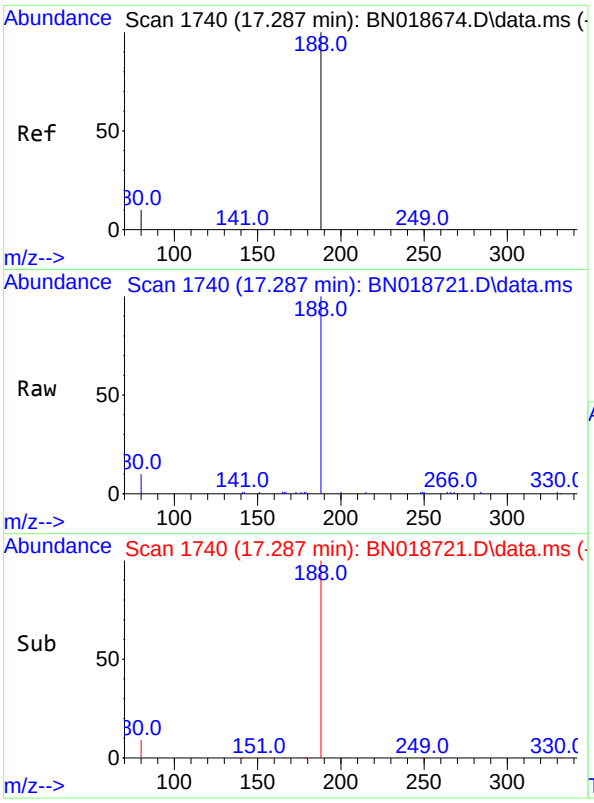


#18
Fluorene
Concen: 0.299 ng
RT: 15.586 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:166 Resp: 10877

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	13.5	10.9	16.3



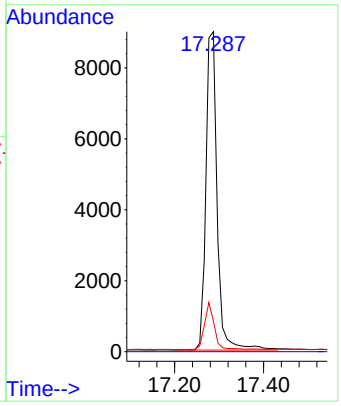


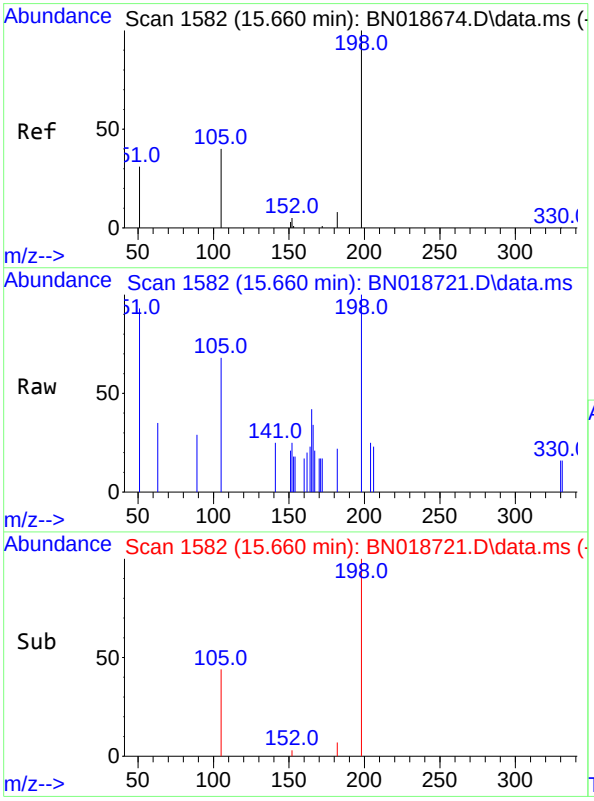
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:188 Resp: 15685

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	7.0	10.4

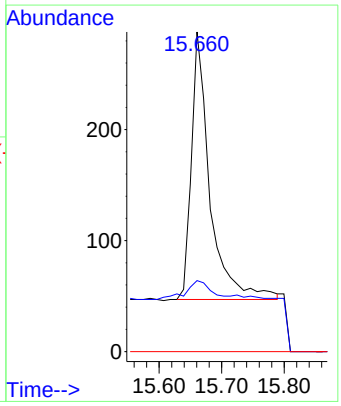


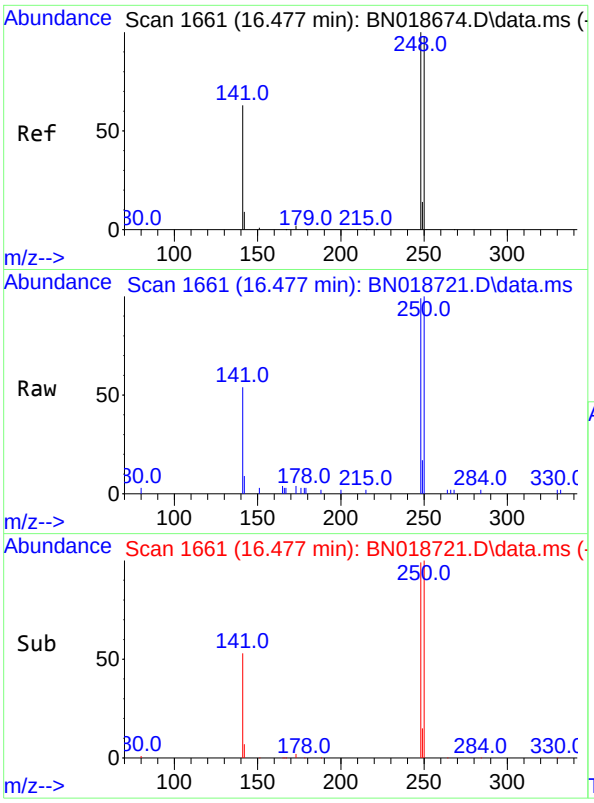


#20
4,6-Dinitro-2-methylphenol
Concen: 0.293 ng
RT: 15.660 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:198 Resp: 495

Ion	Ratio	Lower	Upper
198	100		
182	22.2	15.5	23.3
77	0.0	0.0	0.0



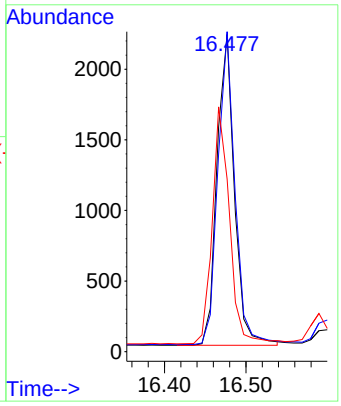


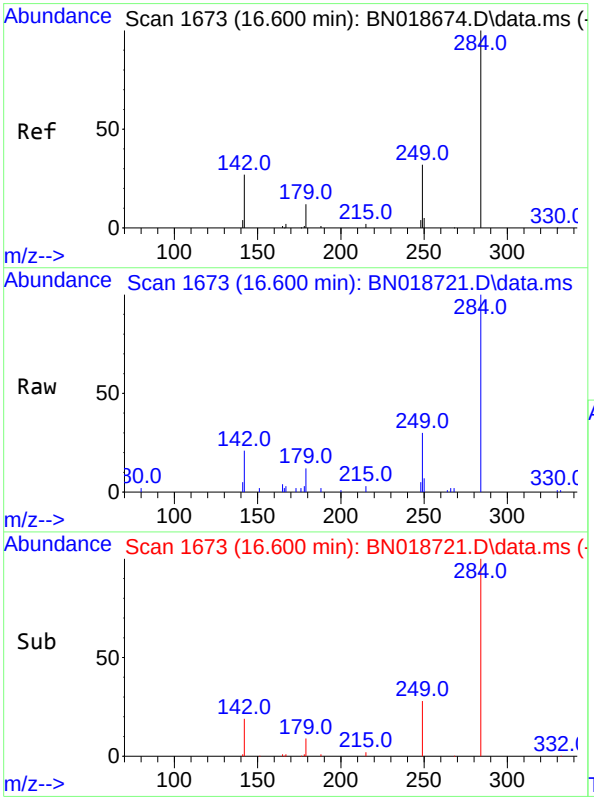
#21
4-Bromophenyl-phenylether
Concen: 0.293 ng
RT: 16.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:248 Resp: 3271

Ion	Ratio	Lower	Upper
248	100		
250	100.8	74.4	111.6
141	54.4	43.7	65.5

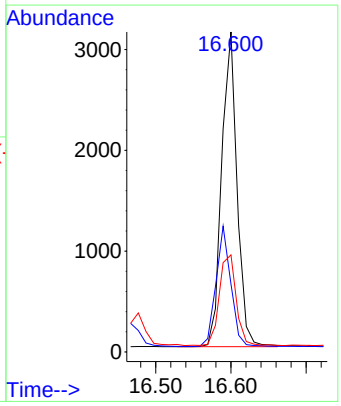


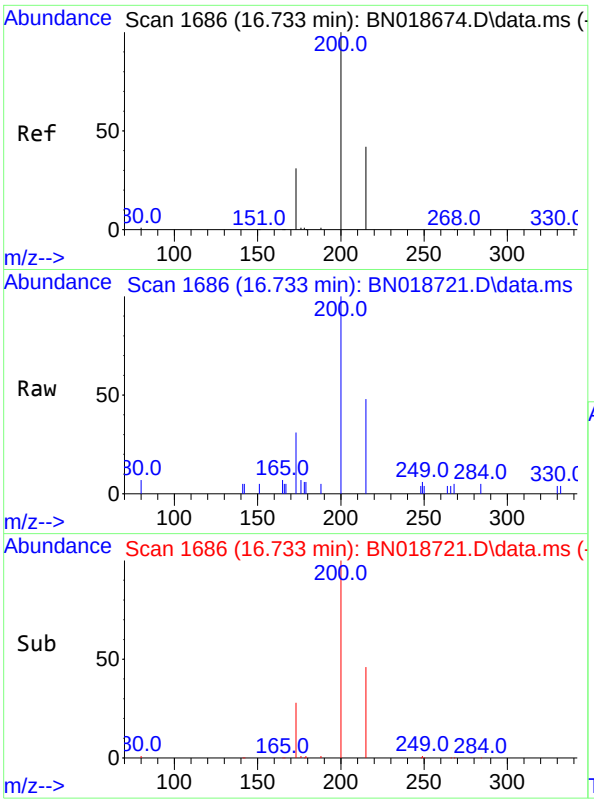


#22
Hexachlorobenzene
Concen: 0.317 ng
RT: 16.600 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:284 Resp: 4422

Ion	Ratio	Lower	Upper
284	100		
142	36.8	21.6	32.4#
249	31.3	23.5	35.3



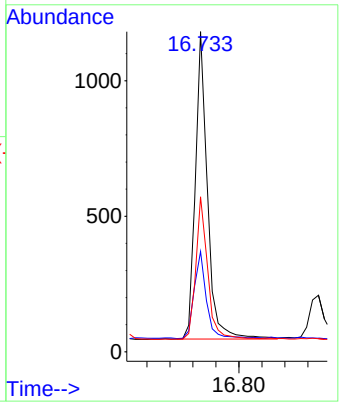


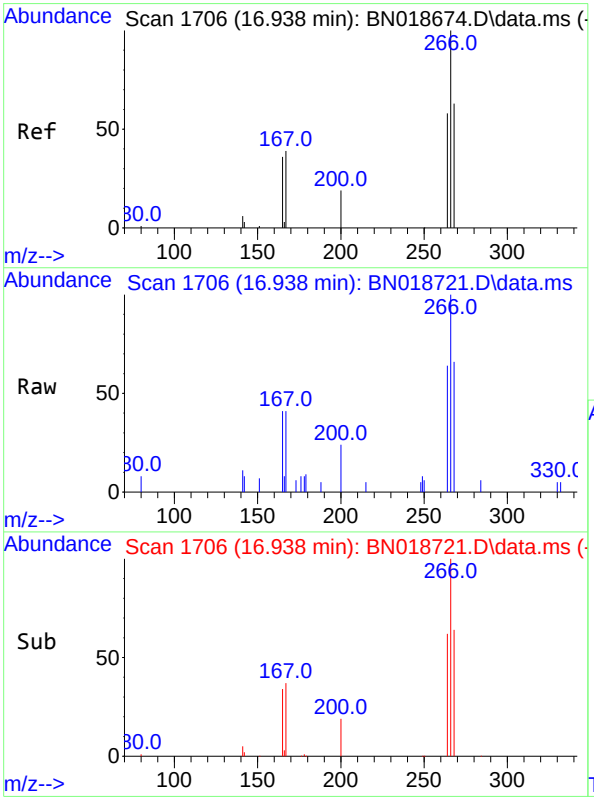
#23
Atrazine
Concen: 0.269 ng
RT: 16.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:200 Resp: 1657

Ion	Ratio	Lower	Upper
200	100		
173	31.3	20.3	30.5#
215	48.4	40.4	60.6

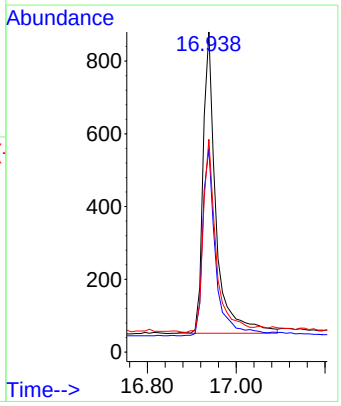


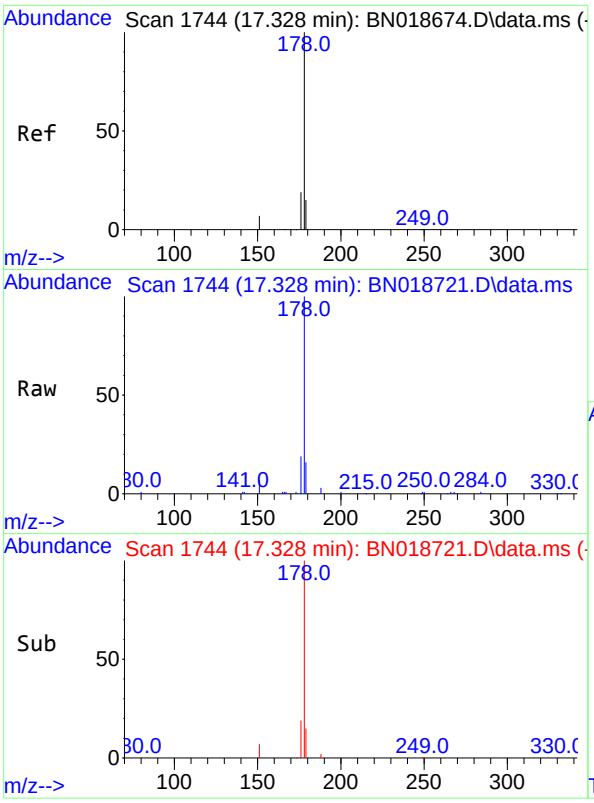


#24
Pentachlorophenol
Concen: 0.532 ng
RT: 16.938 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:266 Resp: 1668

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.5	74.3
268	64.2	50.6	76.0



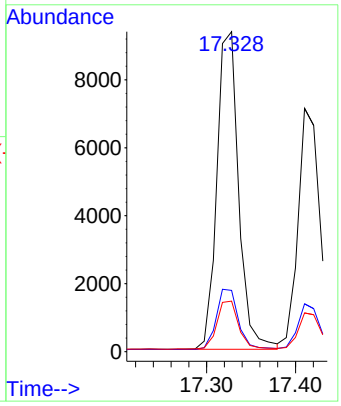


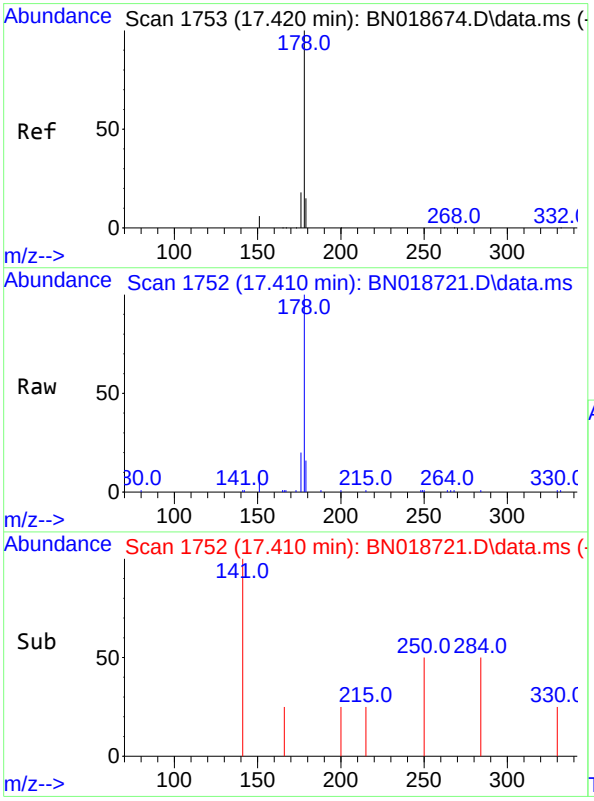
#25
Phenanthrene
Concen: 0.303 ng
RT: 17.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:178 Resp: 15911

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.3	12.3	18.5

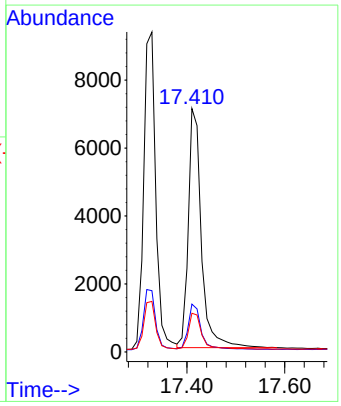


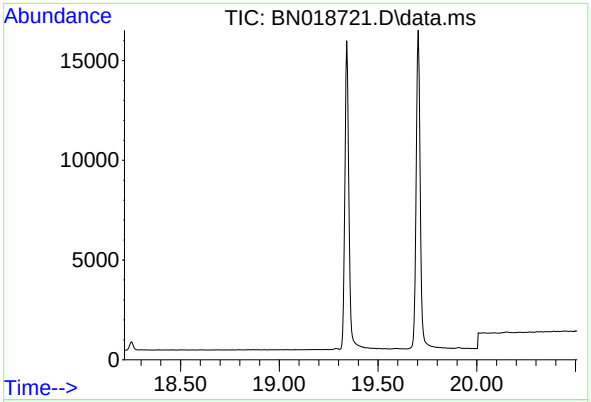


#26
Anthracene
Concen: 0.294 ng
RT: 17.410 min Scan# 1752
Delta R.T. -0.010 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:178 Resp: 13048

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.2	12.2	18.4





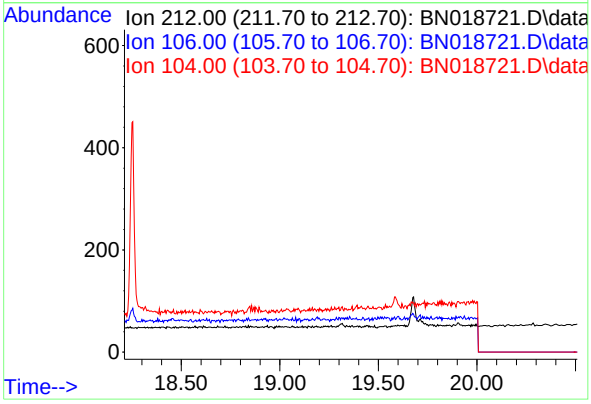
#27
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.31 min

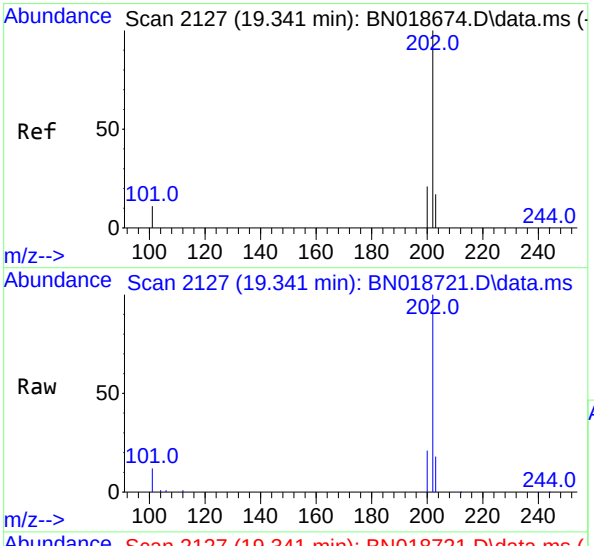
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	10.5
104	5.6

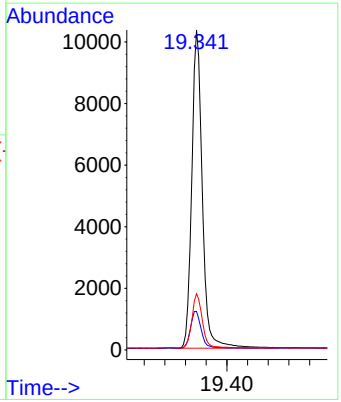


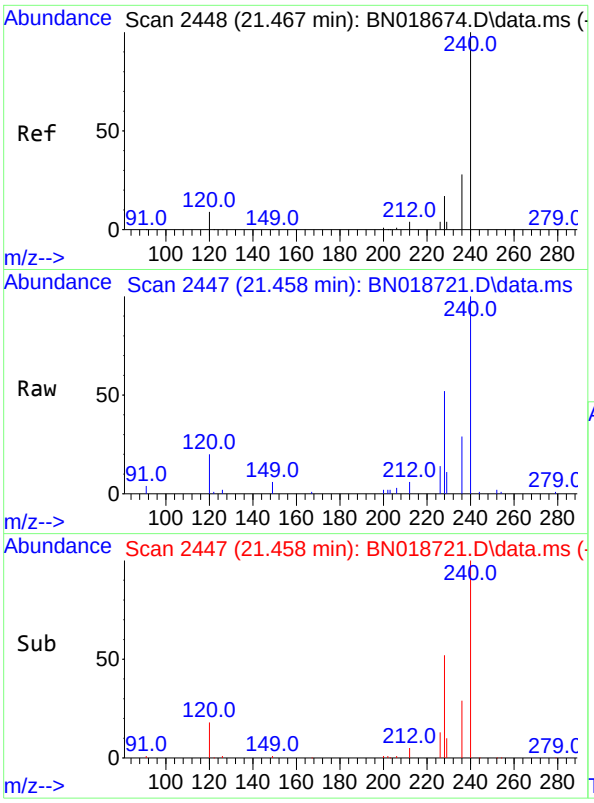


#28
Fluoranthene
Concen: 0.268 ng
RT: 19.341 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:202 Resp: 14695

Ion	Ratio	Lower	Upper
202	100		
101	11.8	7.2	10.8#
203	16.9	13.7	20.5



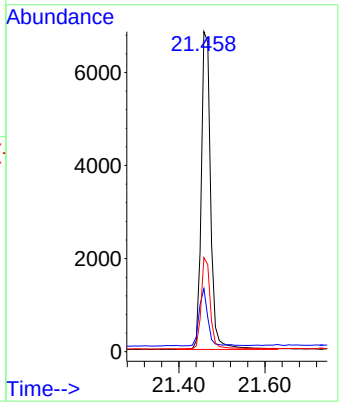


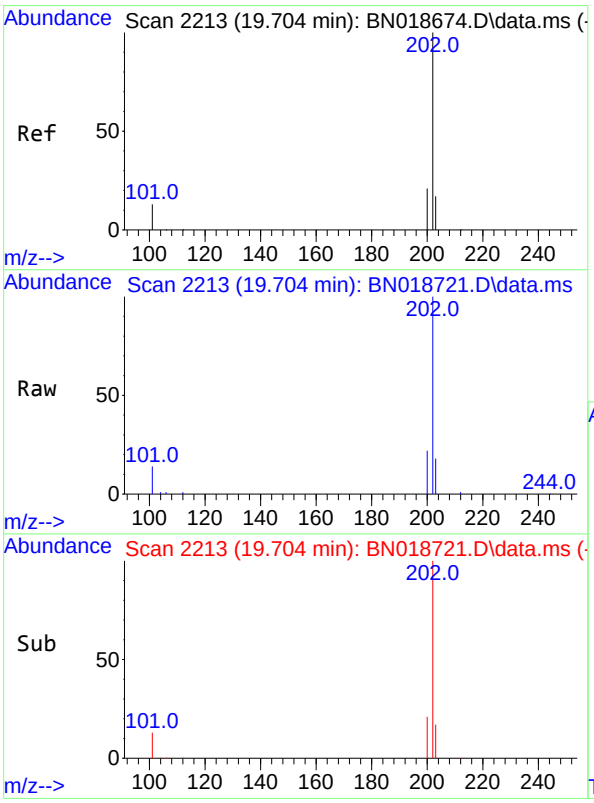
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.458 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:240 Resp: 10359

Ion	Ratio	Lower	Upper
240	100		
120	19.7	6.0	9.0#
236	29.4	21.4	32.2

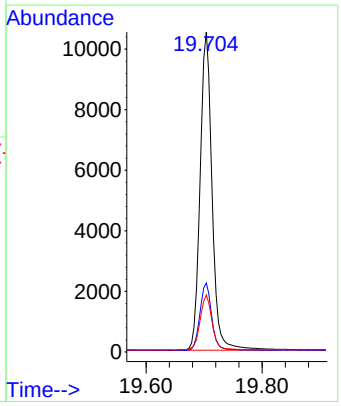


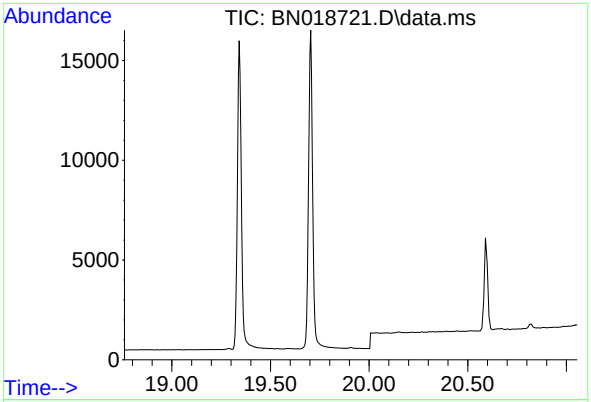


#30
Pyrene
Concen: 0.325 ng
RT: 19.704 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:202 Resp: 15047

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.5	14.1	21.1





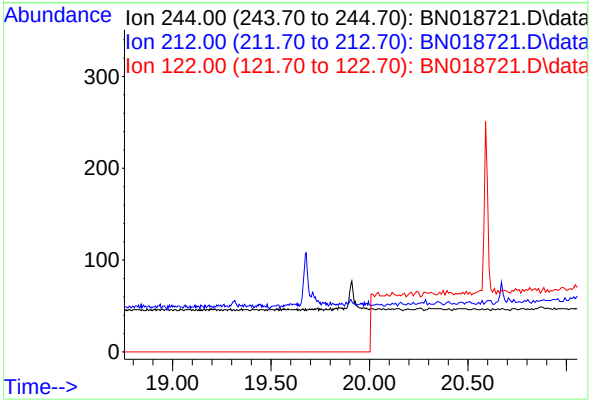
#31
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.91 min

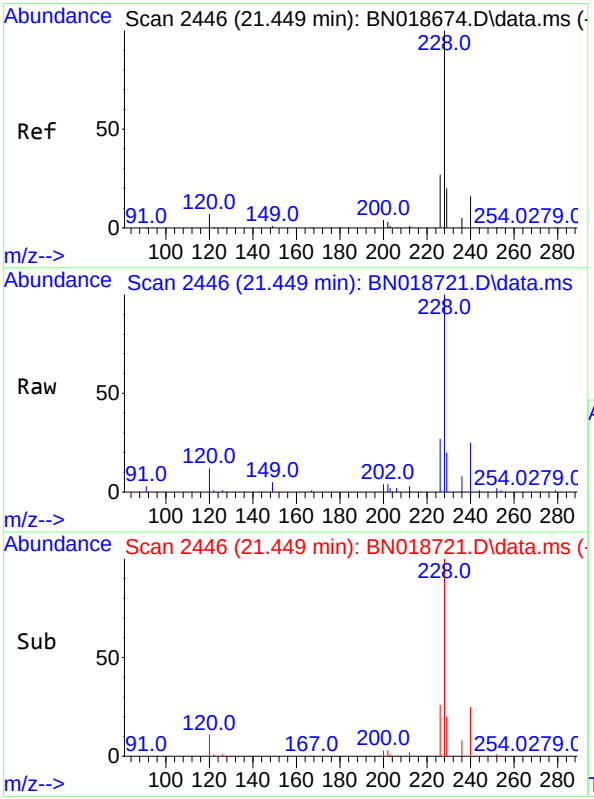
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.7
122	9.9

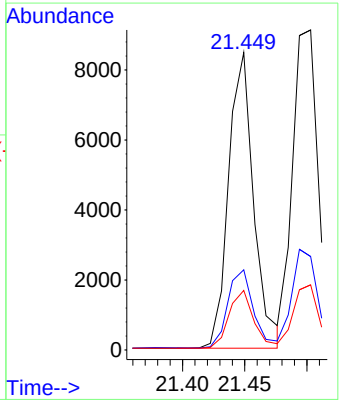


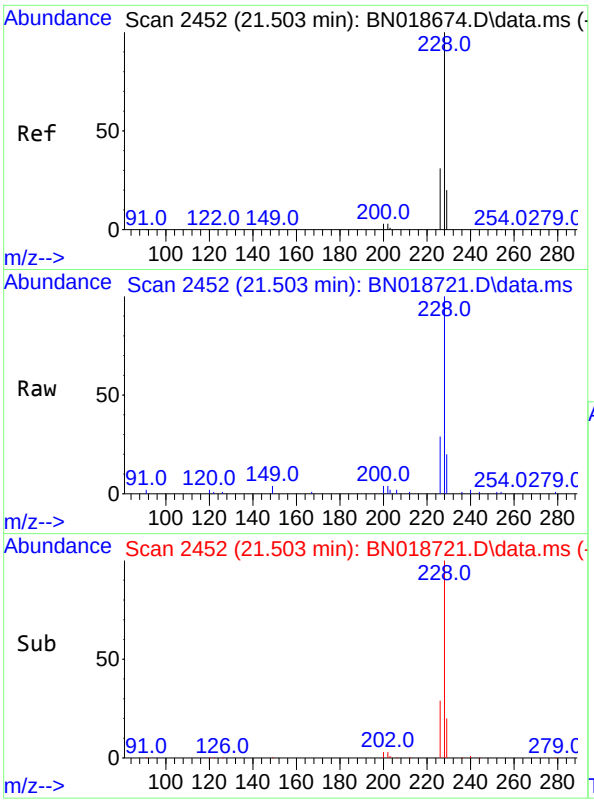


#32
Benzo(a)anthracene
Concen: 0.303 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:228 Resp: 11885

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	20.0	15.9	23.9



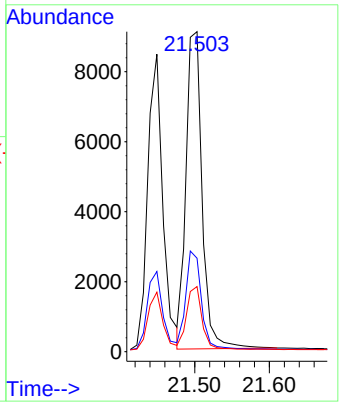


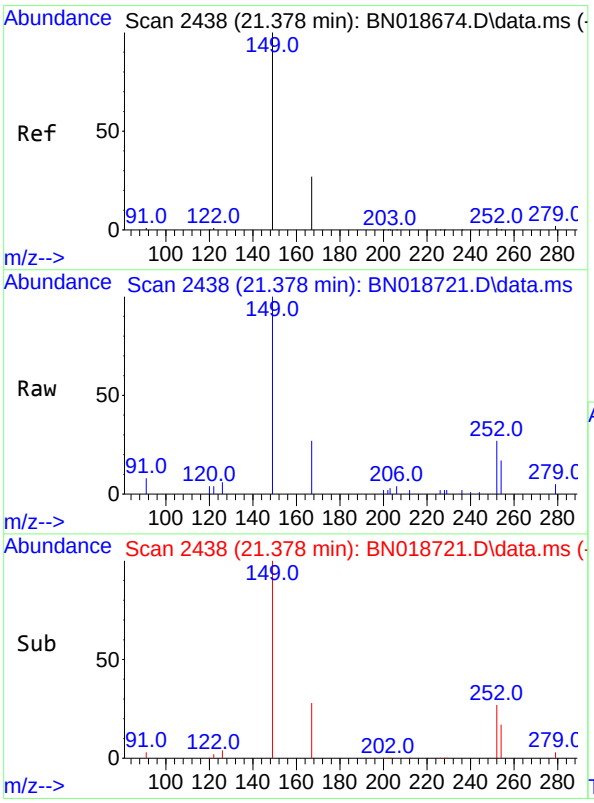
#33
Chrysene
Concen: 0.312 ng
RT: 21.503 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:228 Resp: 13658

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.2	36.4
229	20.4	15.5	23.3

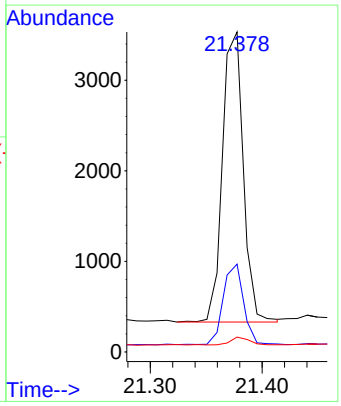


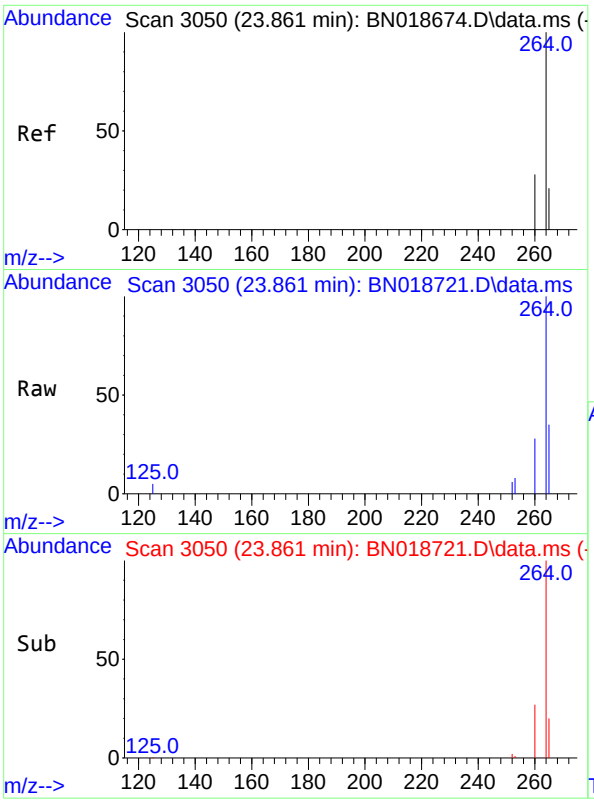


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.260 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:149 Resp: 4157

Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.7	35.5
279	2.5	3.6	5.4#



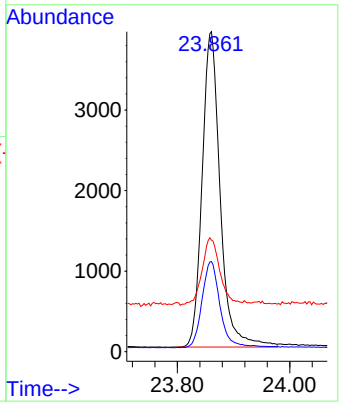


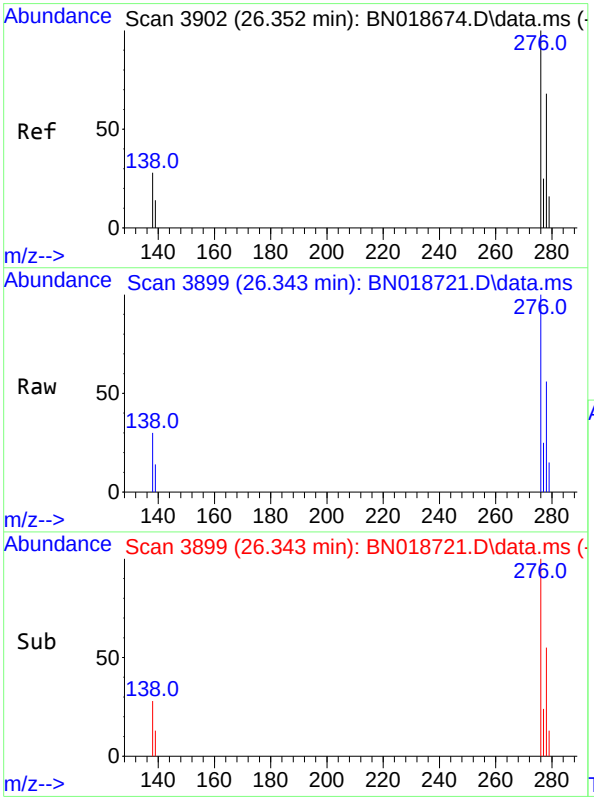
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.861 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:264 Resp: 8728

Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.2	30.4
265	34.9	18.2	27.2#

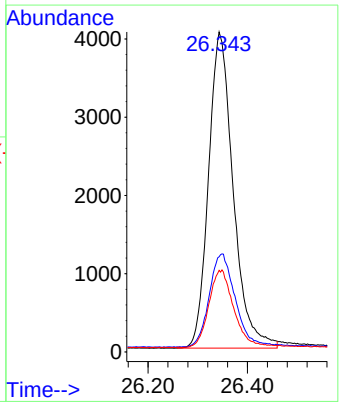


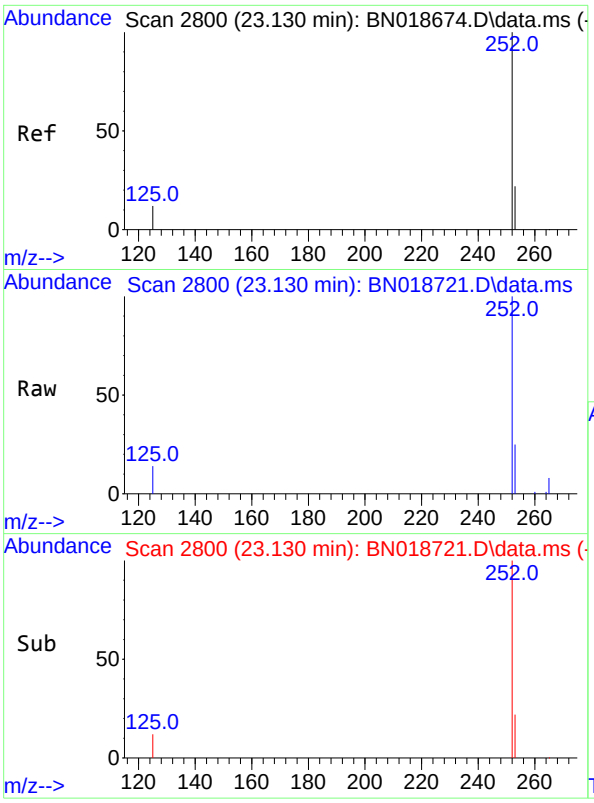


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.302 ng
RT: 26.343 min Scan# 3899
Delta R.T. -0.009 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:276 Resp: 13930

Ion	Ratio	Lower	Upper
276	100		
138	31.0	14.9	22.3#
277	25.0	19.9	29.9



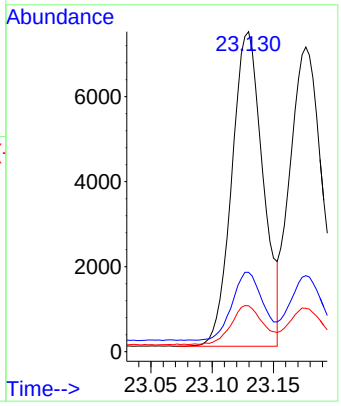


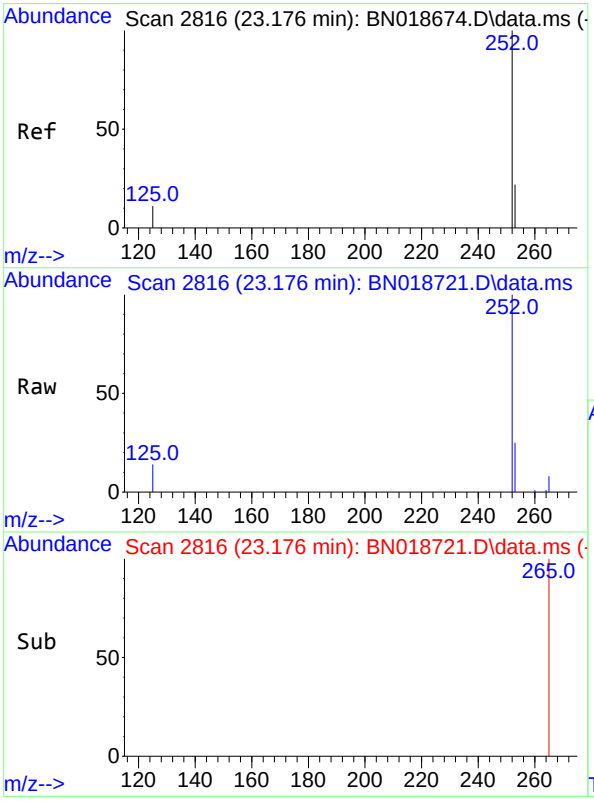
#37
Benzo(b)fluoranthene
Concen: 0.330 ng
RT: 23.130 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:252 Resp: 13099

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	14.4	6.0	9.0#

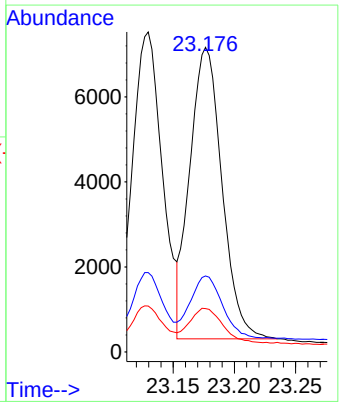


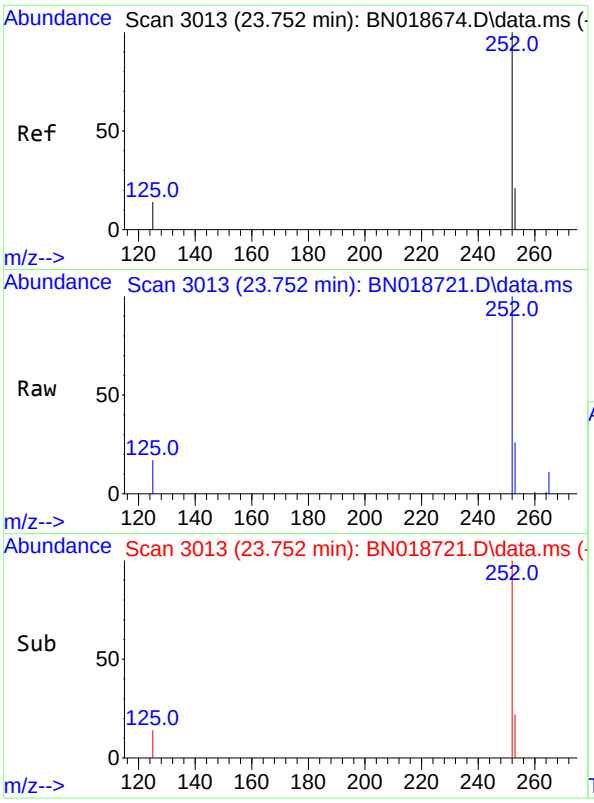


#38
Benzo(k)fluoranthene
Concen: 0.318 ng
RT: 23.176 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:252 Resp: 12518

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.7	26.5
125	14.2	6.2	9.2#



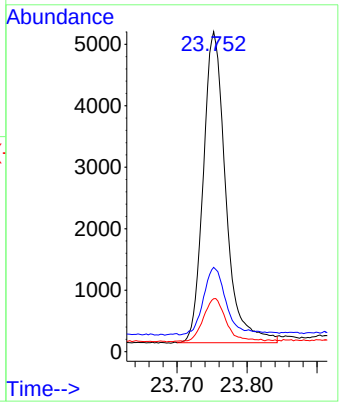


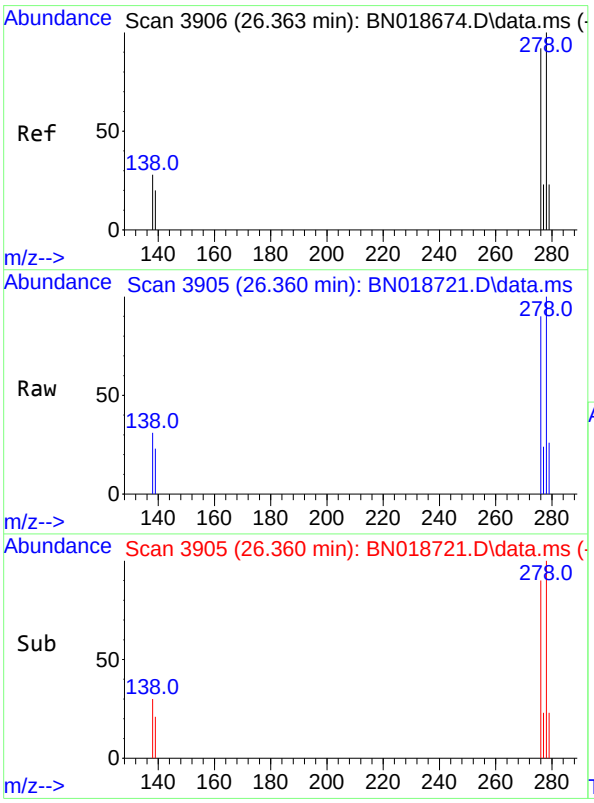
#39
Benzo(a)pyrene
Concen: 0.357 ng
RT: 23.752 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:252 Resp: 11271

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.8	26.6
125	16.5	7.0	10.4#

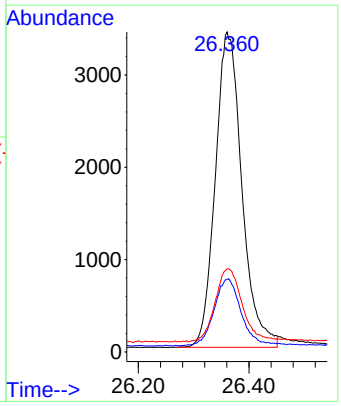


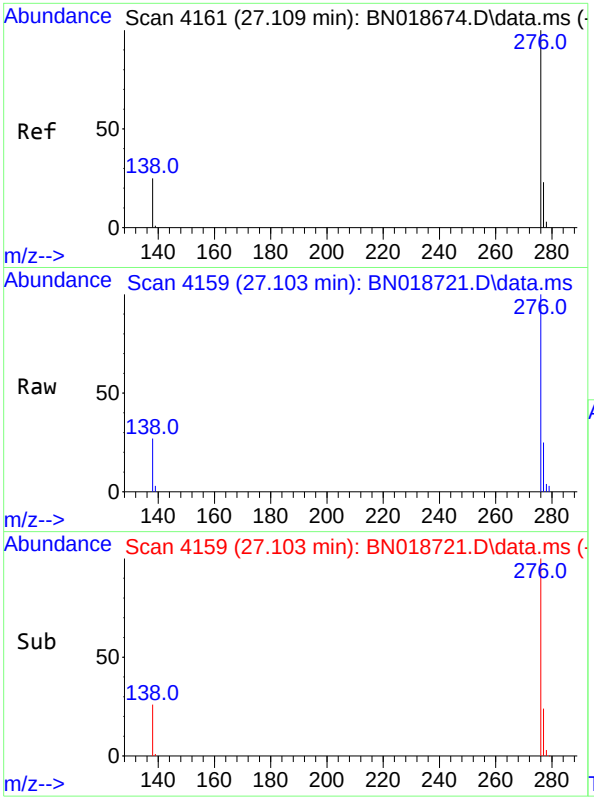


#40
Dibenzo(a,h)anthracene
Concen: 0.318 ng
RT: 26.360 min Scan# 3905
Delta R.T. -0.003 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Tgt Ion:278 Resp: 11416

Ion	Ratio	Lower	Upper
278	100		
139	22.6	10.8	16.2#
279	26.0	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 0.337 ng
RT: 27.103 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN018721.D
Acq: 24 Feb 2022 23:42

Instrument :
BNA_N
ClientSampleId :
SP5832

Tgt Ion:276 Resp: 13304

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.6
138	27.5	12.6	19.0#