Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041823\
Data File : BN024974.D
Acq On : 18 Apr 2023 12:32
Operator : CG/JU
Sample : 02357-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Quant Time: Apr 18 14:36:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN040523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 05:29:26 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.933	152	9596	0.400	ng	0.00
7) Naphthalene-d8	10.739	136	29241	0.400	ng	#-0.01
13) Acenaphthene-d10	14.576	164	16233	0.400	ng	0.00
19) Phenanthrene-d10	17.323	188	36256	0.400	ng	0.00
29) Chrysene-d12	21.518	240	32906	0.400	ng	# 0.00
35) Perylene-d12	23.963	264	31286	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.484	112	7222	0.326	ng	0.00
5) Phenol-d6	7.095	99	9259	0.331	ng	0.00
8) Nitrobenzene-d5	9.095	82	6271	0.266	ng	-0.01
11) 2-Methylnaphthalene-d10	12.332	152	10430	0.269	ng	0.00
14) 2,4,6-Tribromophenol	16.070	330	2166	0.297	ng	0.00
15) 2-Fluorobiphenyl	13.197	172	15312	0.247	ng	-0.01
27) Fluoranthene-d10	19.355	212	21204	0.258	ng	0.00
31) Terphenyl-d14	19.949	244	17569	0.236	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.339	88	3366	0.319	ng	# 75
3) n-Nitrosodimethylamine	3.672	42	6518	0.364	ng	# 94
6) bis(2-Chloroethyl)ether	7.355	93	12990	0.458	ng	99
9) Naphthalene	10.793	128	102197	1.357	ng	100
10) Hexachlorobutadiene	11.081	225	5557	0.387	ng	# 99
12) 2-Methylnaphthalene	12.404	142	44092	0.842	ng	100
16) Acenaphthylene	14.298	152	127363	1.867	ng	99
17) Acenaphthene	14.641	154	39256	0.850	ng	99
18) Fluorene	15.624	166	98631	1.556	ng	98
20) 4,6-Dinitro-2-methylph...	15.699	198	1482	0.393	ng	# 59
21) 4-Bromophenyl-phenylether	16.516	248	7827	0.366	ng	# 90
22) Hexachlorobenzene	16.628	284	9027	0.373	ng	98
23) Atrazine	16.777	200	6725	0.462	ng	# 93
24) Pentachlorophenol	16.976	266	7714	0.953	ng	92
25) Phenanthrene	17.361	178	960643	9.126	ng	100
26) Anthracene	17.447	178	352527	3.841	ng	100
28) Fluoranthene	19.384	202	1553790	13.002	ng	99
30) Pyrene	19.747	202	1280034	10.943	ng	97
32) Benzo(a)anthracene	21.500	228	708860	6.371	ng	97
33) Chrysene	21.562	228	661125	5.673	ng	98
34) Bis(2-ethylhexyl)phtha...	21.428	149	124517	2.083	ng	100
36) Indeno(1,2,3-cd)pyrene	26.489	276	325929	2.376	ng	96
37) Benzo(b)fluoranthene	23.220	252	738255	6.222	ng	# 94
39) Benzo(a)pyrene	24.015	252	142027	1.252	ng	97
40) Dibenzo(a,h)anthracene	26.506	278	97486	0.903	ng	97
41) Benzo(g,h,i)perylene	27.269	276	304338	2.602	ng	99

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

Quantitation Report (Not Reviewed)

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Misc :
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Instrument :
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P2-S2-230413MS

Quant Time: Apr 18 14:36:32 2023
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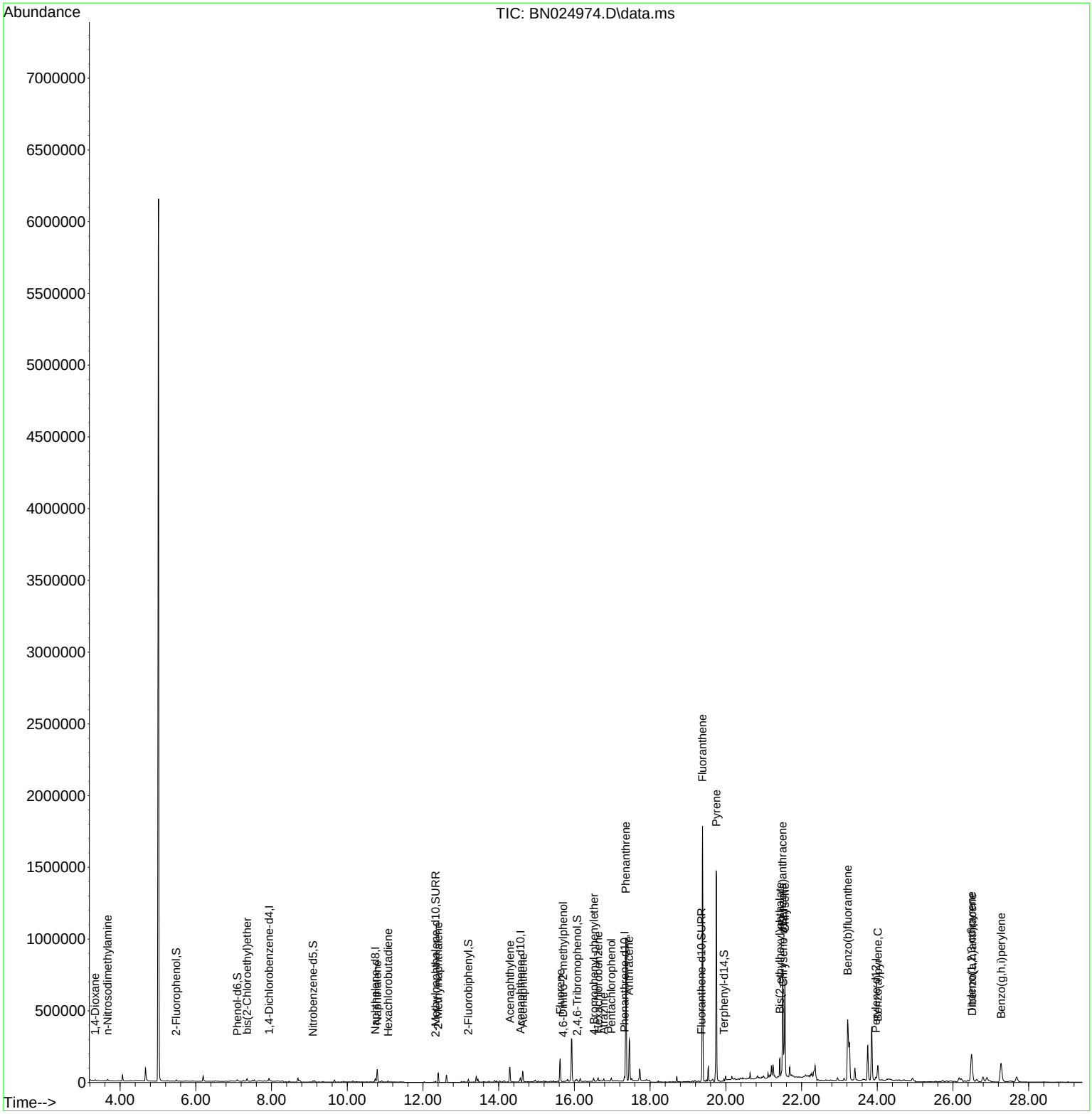
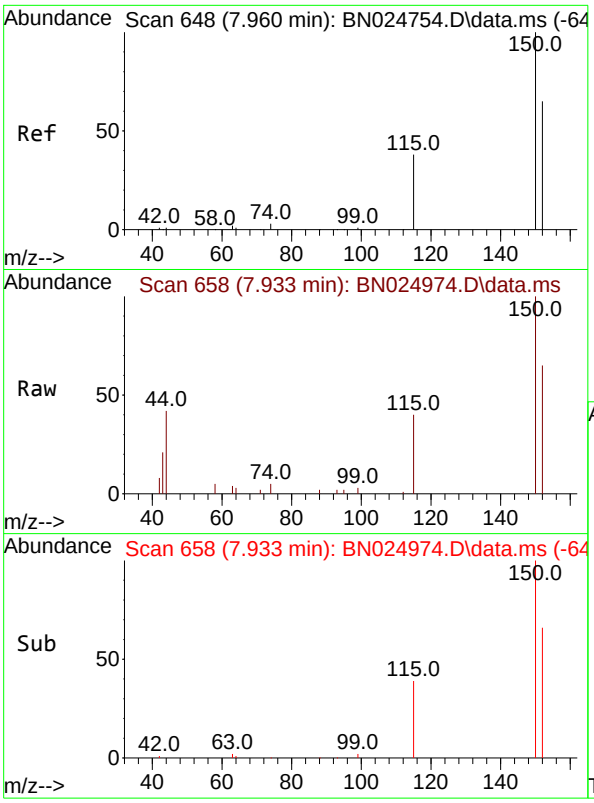
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 05:29:26 2023
Response via : Initial Calibration



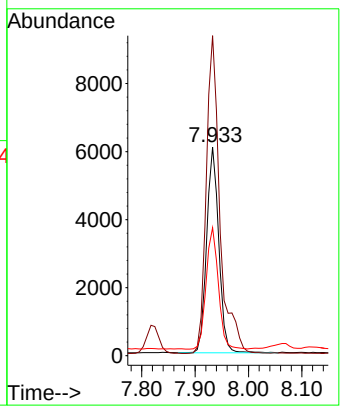


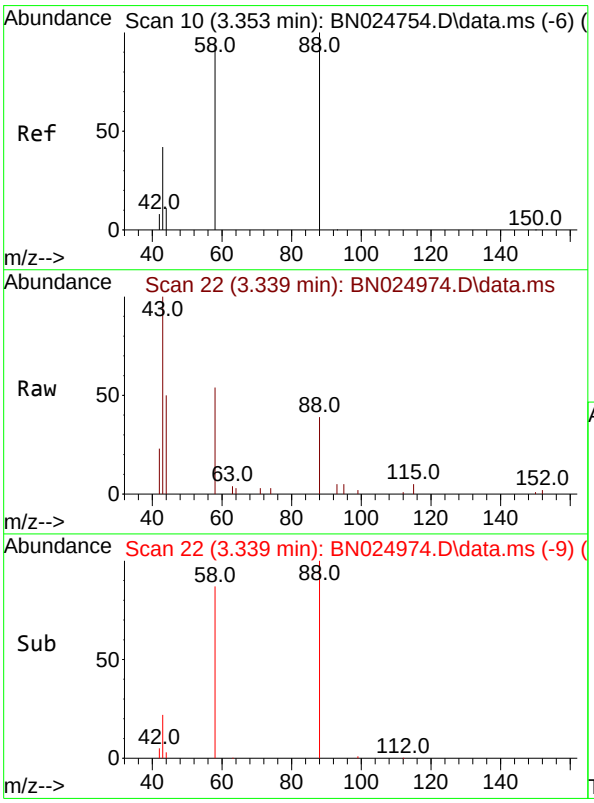
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.933 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:152 Resp: 9596

Ion	Ratio	Lower	Upper
152	100		
150	153.4	121.8	182.8
115	61.4	48.3	72.5

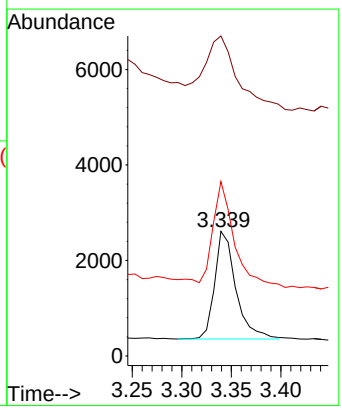


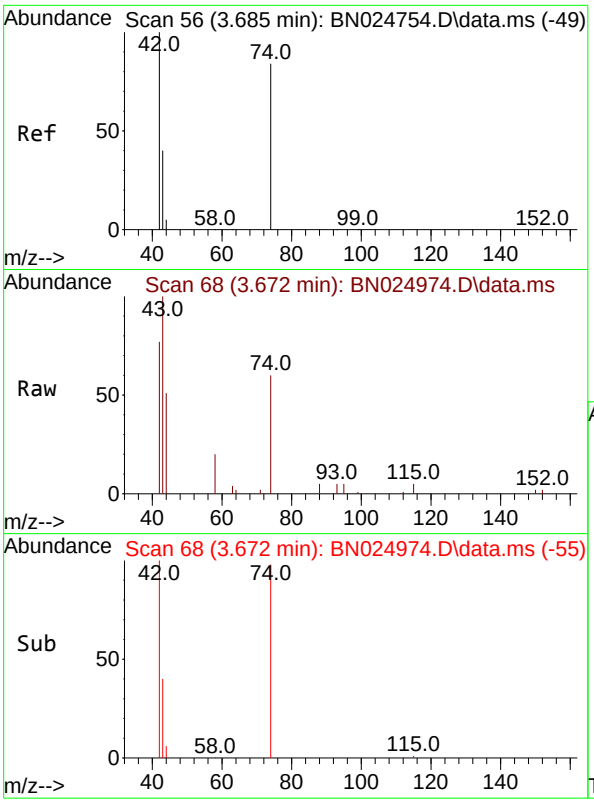


#2
1,4-Dioxane
Concen: 0.319 ng
RT: 3.339 min Scan# 22
Delta R.T. -0.007 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion: 88 Resp: 3366

Ion	Ratio	Lower	Upper
88	100		
43	92.2	35.2	52.8#
58	88.5	71.4	107.2



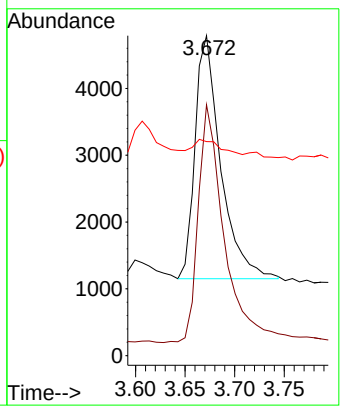


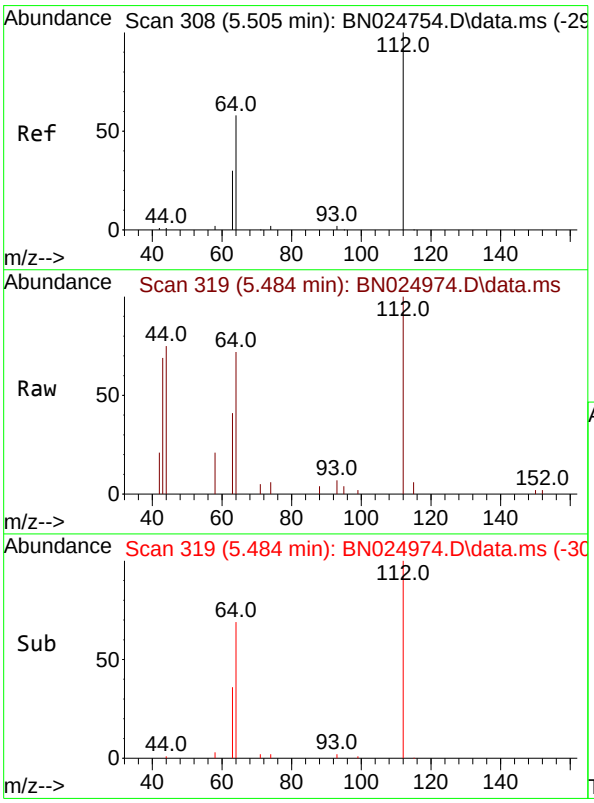
#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.672 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion: 42 Resp: 6518

Ion	Ratio	Lower	Upper
42	100		
74	98.7	74.8	112.2
44	6.0	7.4	11.0#

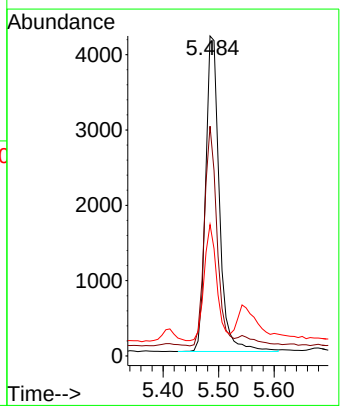


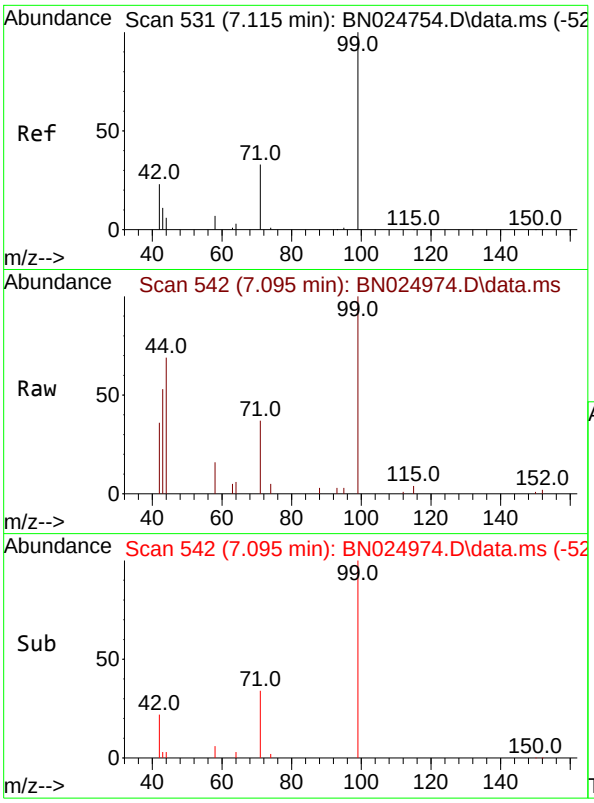


#4
2-Fluorophenol
Concen: 0.326 ng
RT: 5.484 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:112 Resp: 7222

Ion	Ratio	Lower	Upper
112	100		
64	63.8	52.5	78.7
63	33.7	27.9	41.9



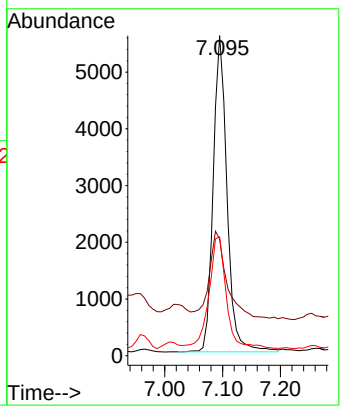


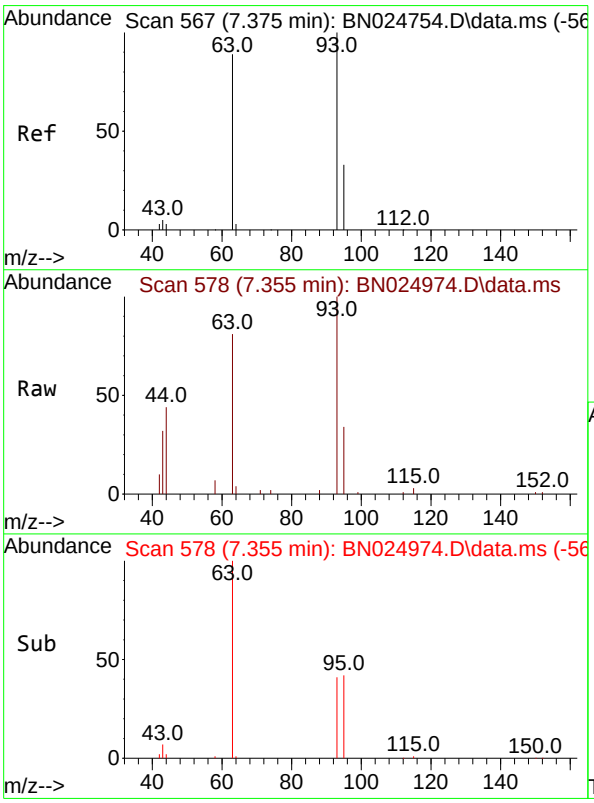
#5
Phenol-d6
Concen: 0.331 ng
RT: 7.095 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion: 99 Resp: 9259

Ion	Ratio	Lower	Upper
99	100		
42	36.9	22.8	34.2#
71	44.2	28.2	42.2#

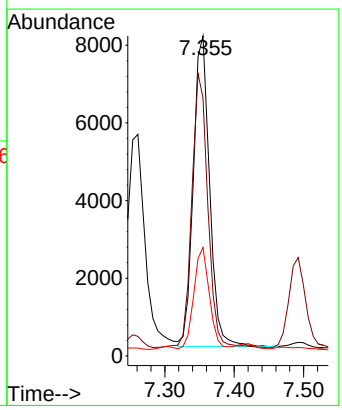


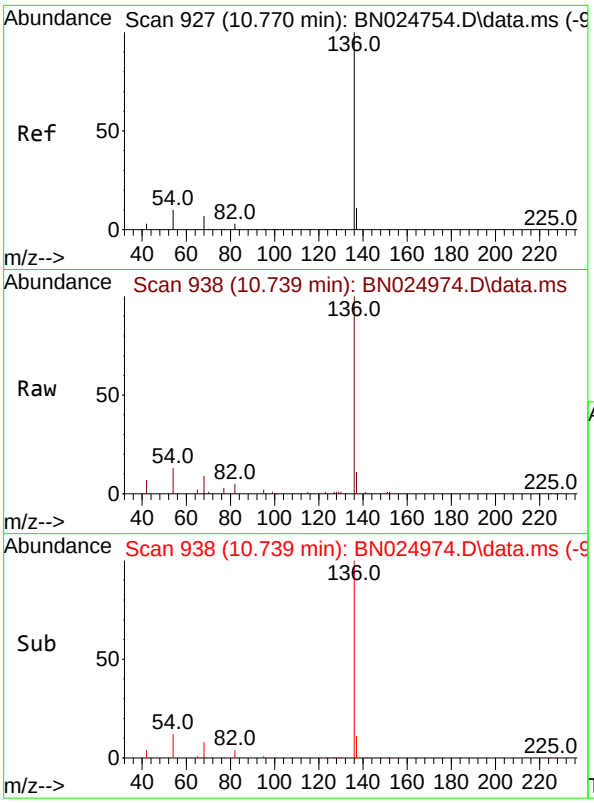


#6
bis(2-Chloroethyl)ether
Concen: 0.458 ng
RT: 7.355 min Scan# 578
Delta R.T. -0.007 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion: 93 Resp: 12990

Ion	Ratio	Lower	Upper
93	100		
63	87.1	68.8	103.2
95	31.4	25.4	38.2



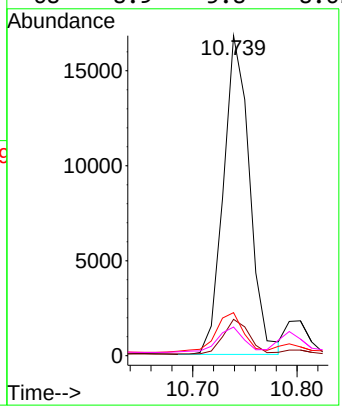


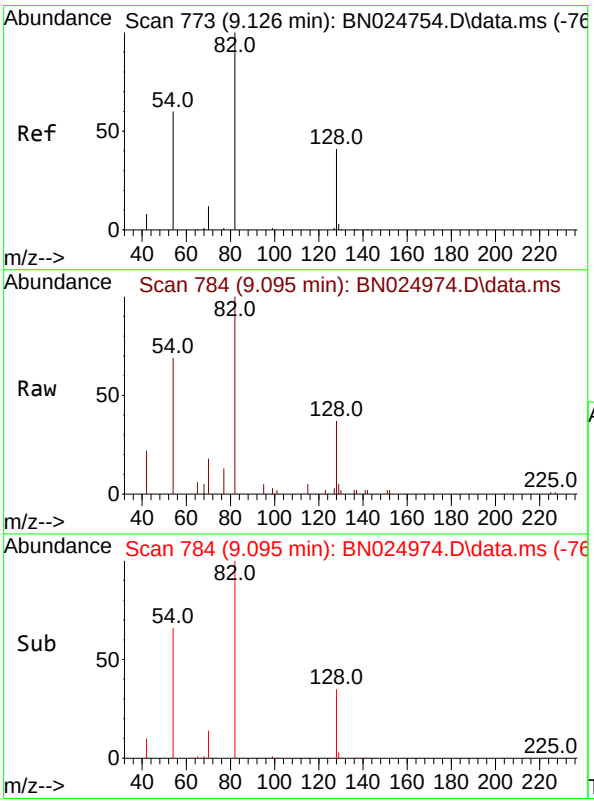
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.739 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:136 Resp: 29241

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	13.5	8.2	12.4#
68	8.9	5.8	8.6#

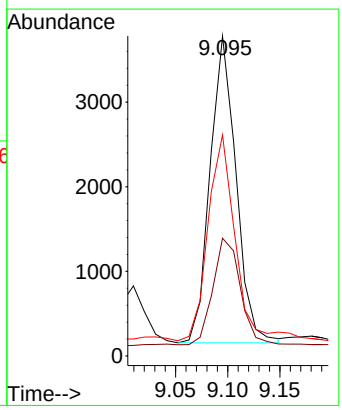


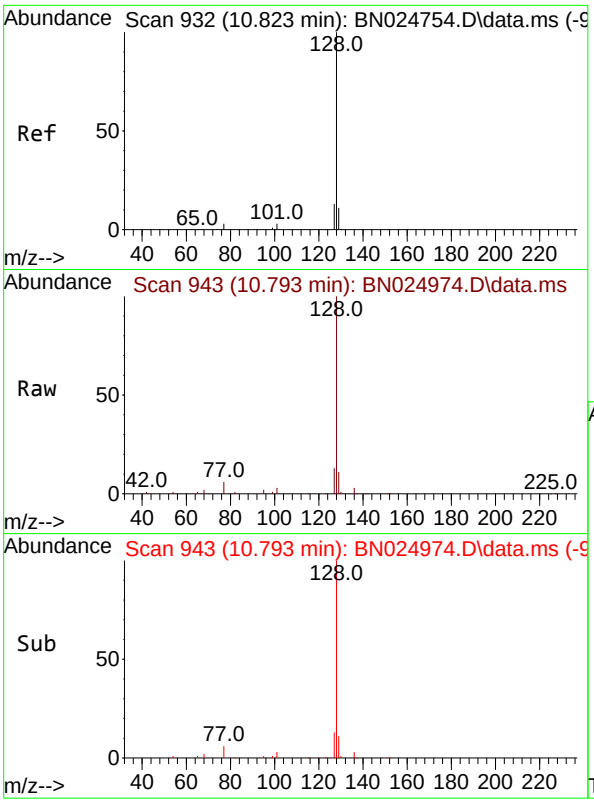


#8
Nitrobenzene-d5
Concen: 0.266 ng
RT: 9.095 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion: 82 Resp: 6271

Ion	Ratio	Lower	Upper
82	100		
128	36.8	33.8	50.6
54	69.0	49.4	74.0



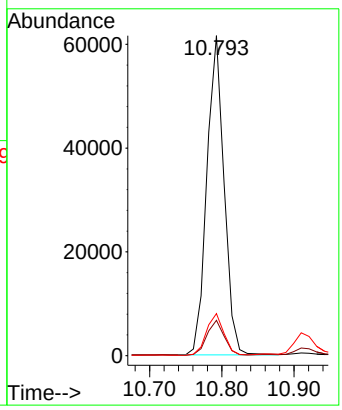


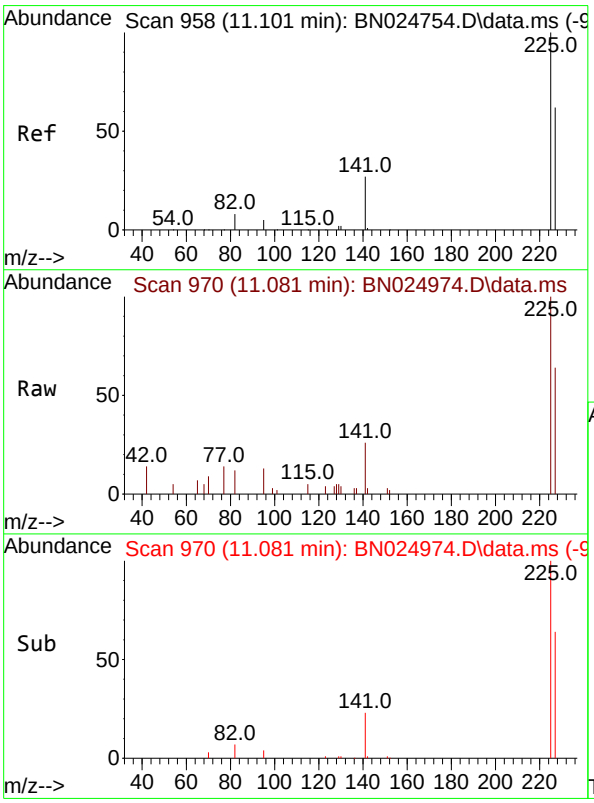
#9
Naphthalene
Concen: 1.357 ng
RT: 10.793 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:128 Resp: 102197

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.4	15.6

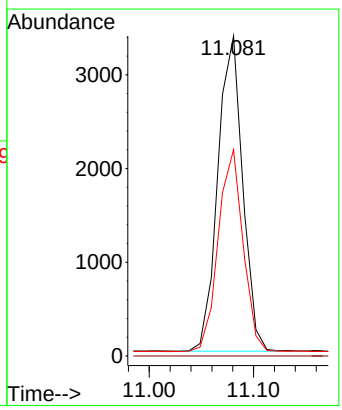


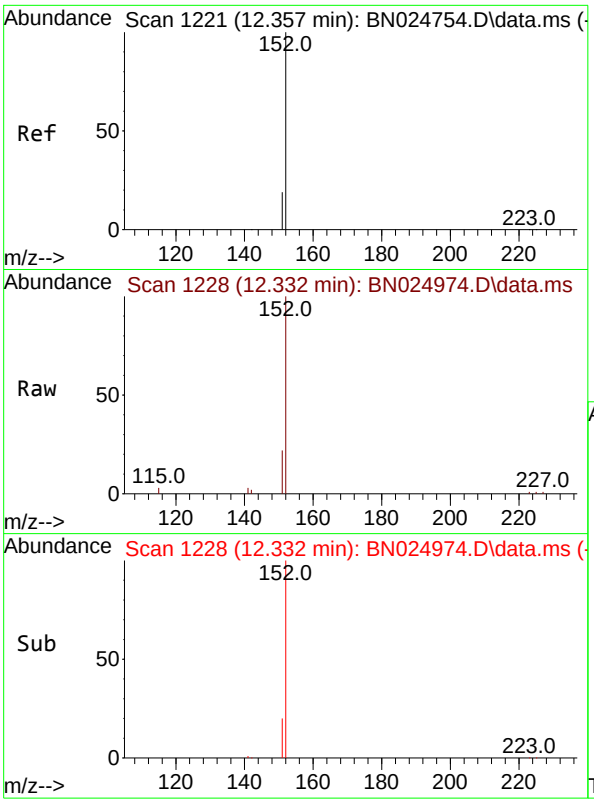


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 11.081 min Scan# 970
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:225 Resp: 5557

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.5	75.7



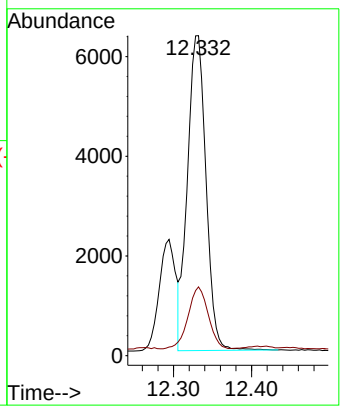


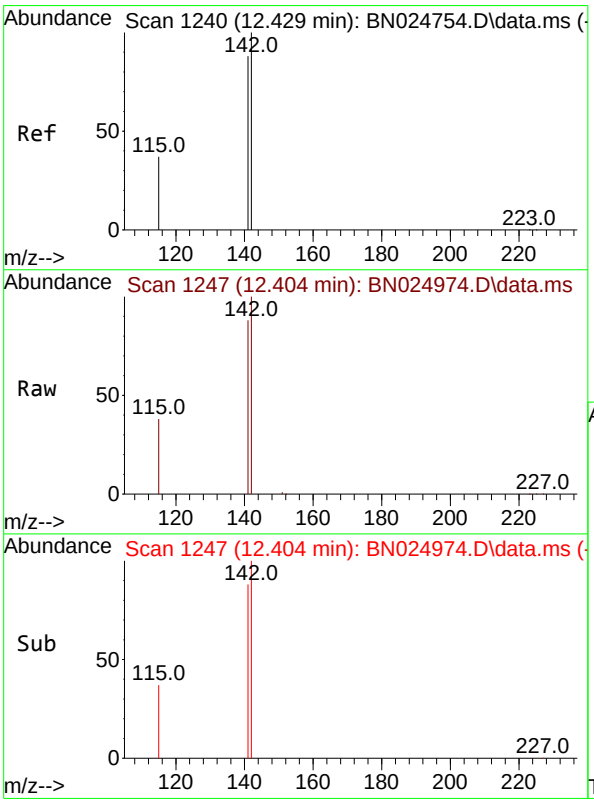
#11
2-Methylnaphthalene-d10
Concen: 0.269 ng
RT: 12.332 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:152 Resp: 10430

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.6	25.0

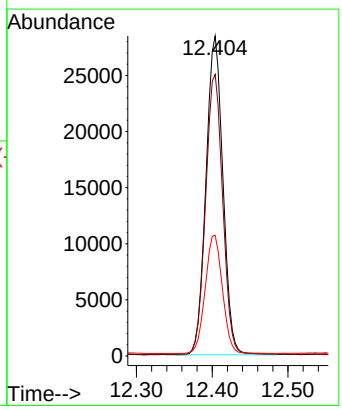


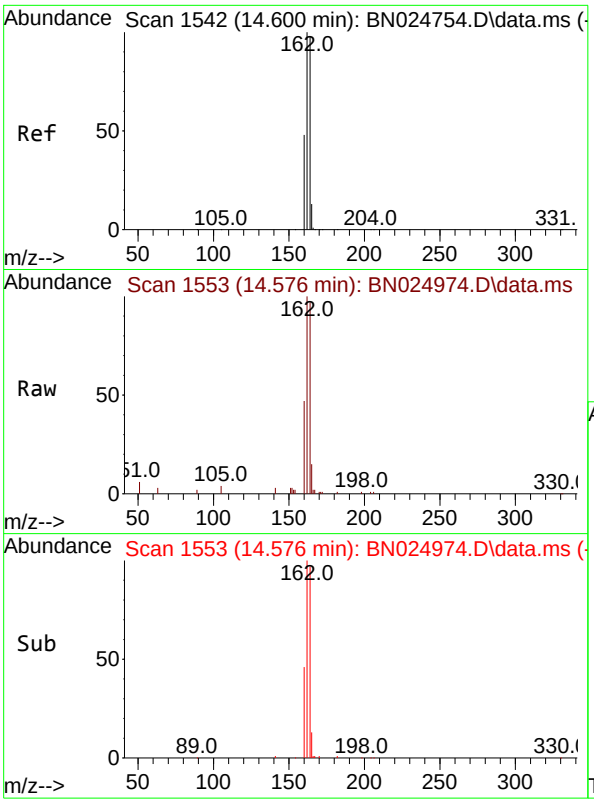


#12
2-Methylnaphthalene
Concen: 0.842 ng
RT: 12.404 min Scan# 1247
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:142 Resp: 44092

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.5	105.7
115	37.7	30.2	45.2



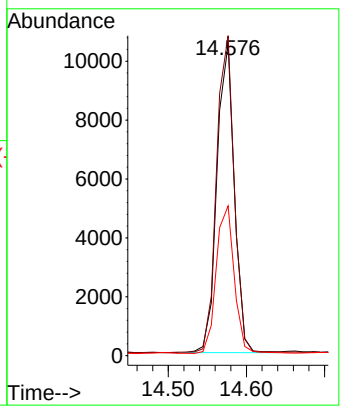


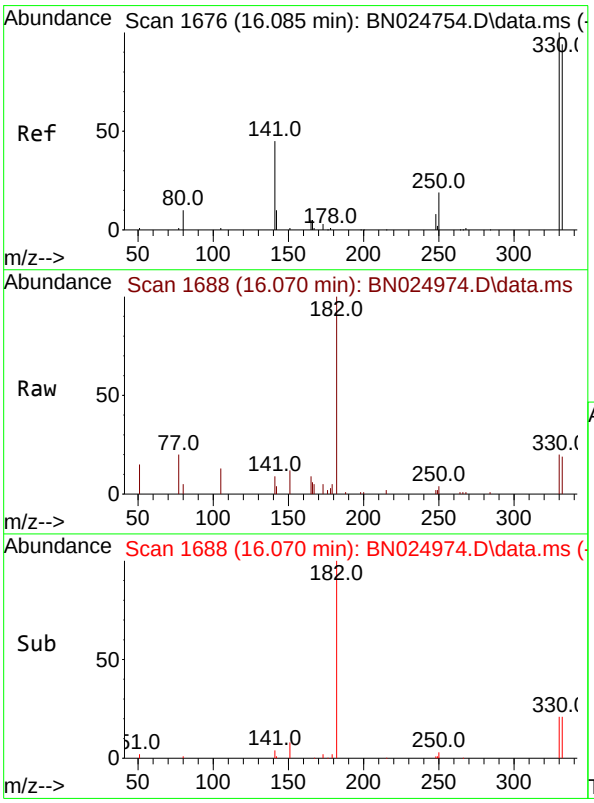
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:164 Resp: 16233

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.9	122.9
160	48.1	39.2	58.8

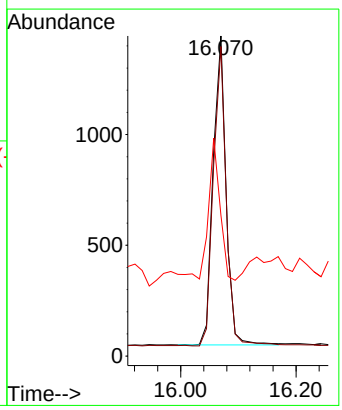


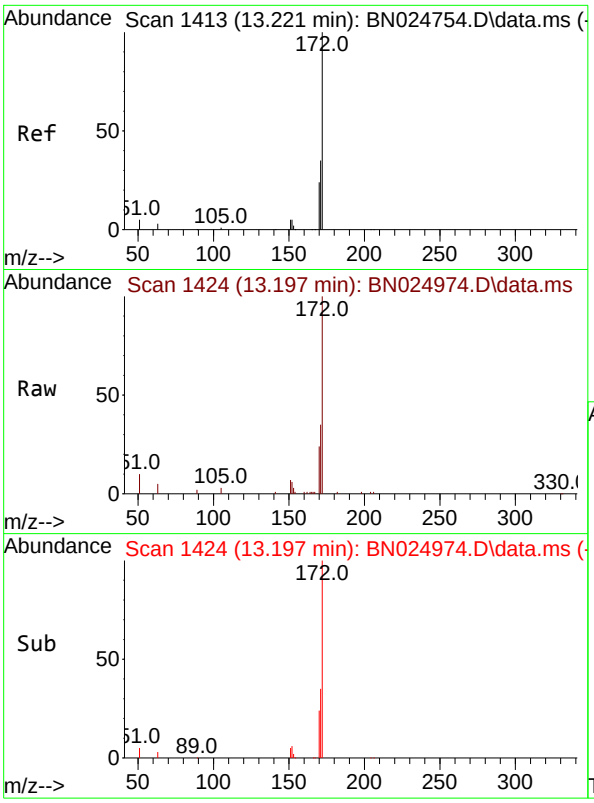


#14
2,4,6-Tribromophenol
Concen: 0.297 ng
RT: 16.070 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:330 Resp: 2166

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.9	116.9
141	40.7	31.0	46.6



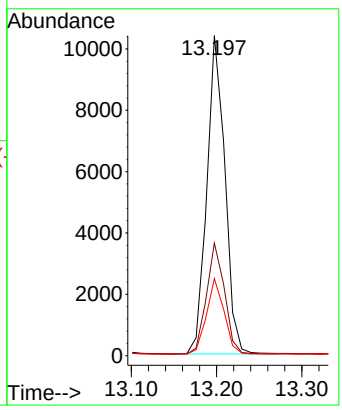


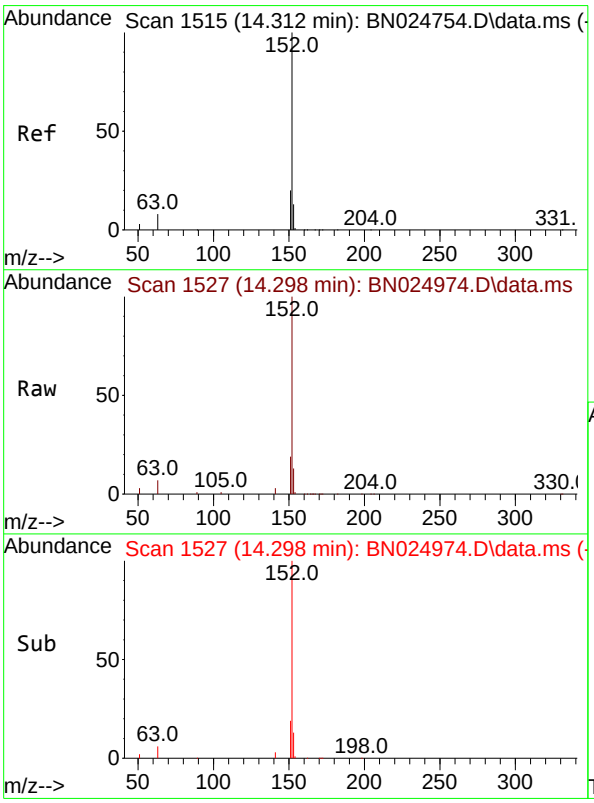
#15
2-Fluorobiphenyl
Concen: 0.247 ng
RT: 13.197 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:172 Resp: 15312

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	24.1	19.2	28.8

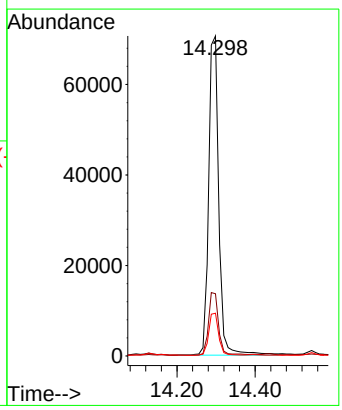


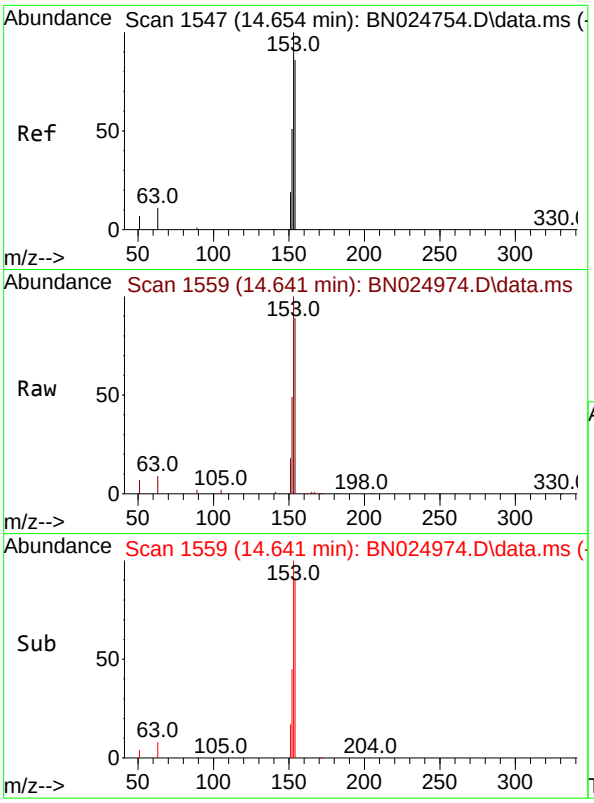


#16
Acenaphthylene
Concen: 1.867 ng
RT: 14.298 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:152 Resp: 127363

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.3	22.9
153	13.1	10.3	15.5



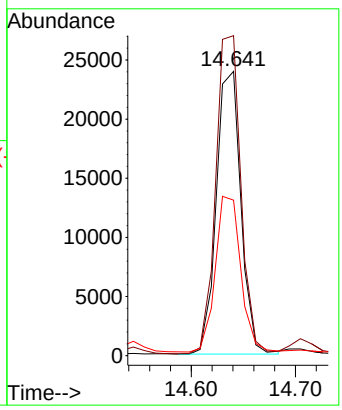


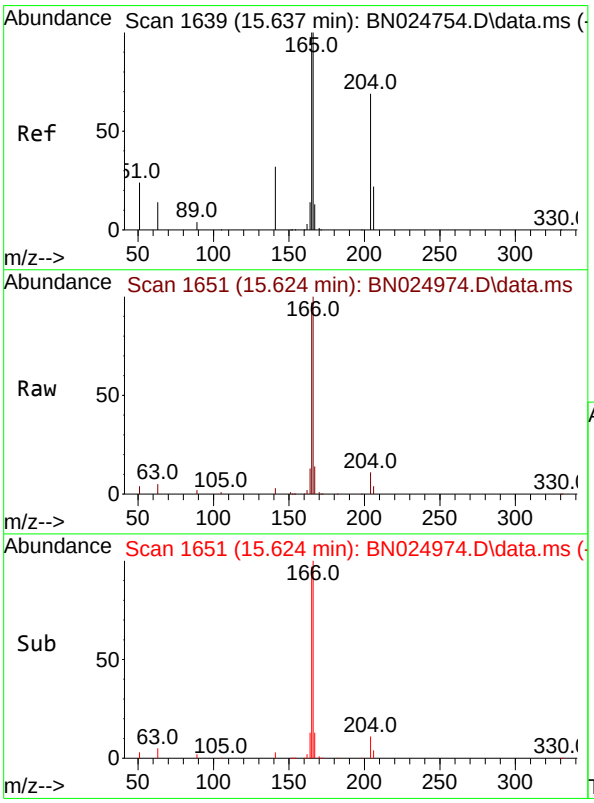
#17
Acenaphthene
Concen: 0.850 ng
RT: 14.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:154 Resp: 39256

Ion	Ratio	Lower	Upper
154	100		
153	115.1	92.2	138.4
152	56.7	47.1	70.7

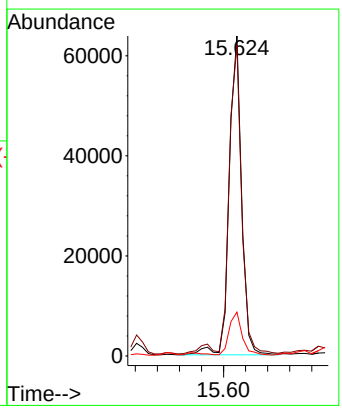


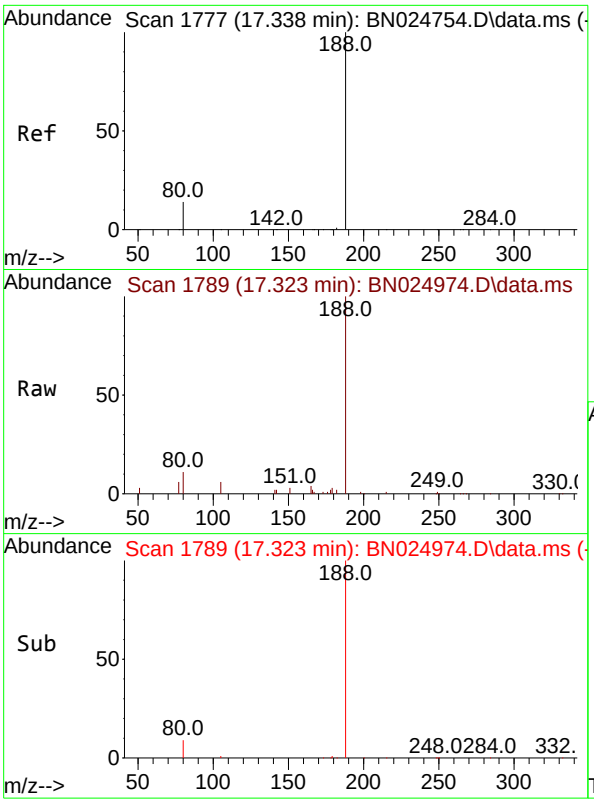


#18
Fluorene
Concen: 1.556 ng
RT: 15.624 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:166 Resp: 98631

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.3	117.5
167	14.1	10.4	15.6



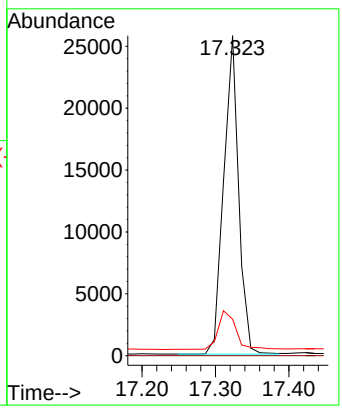


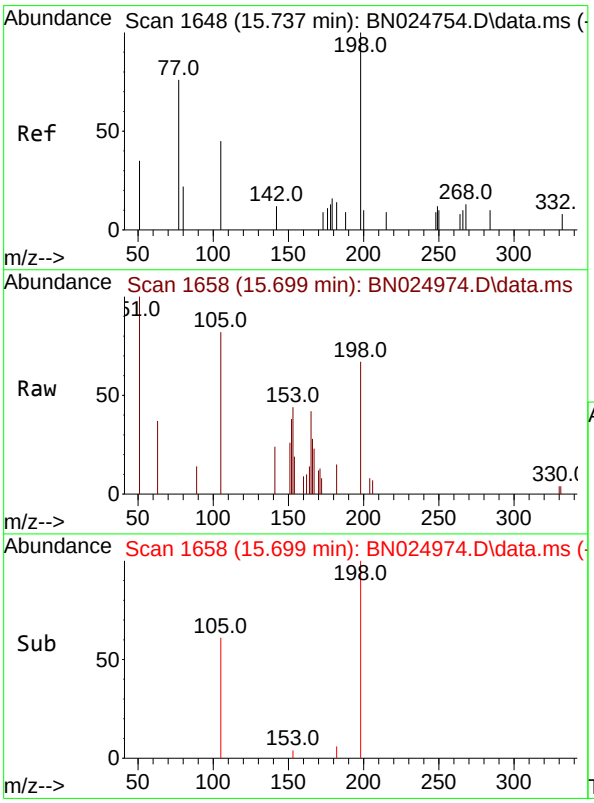
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.323 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:188 Resp: 36256

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	11.3	16.9

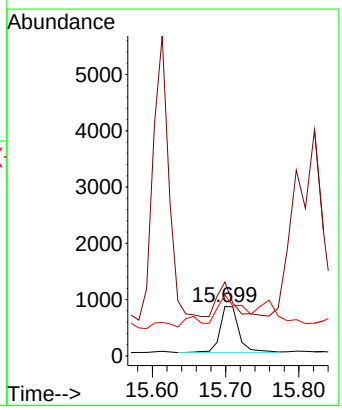


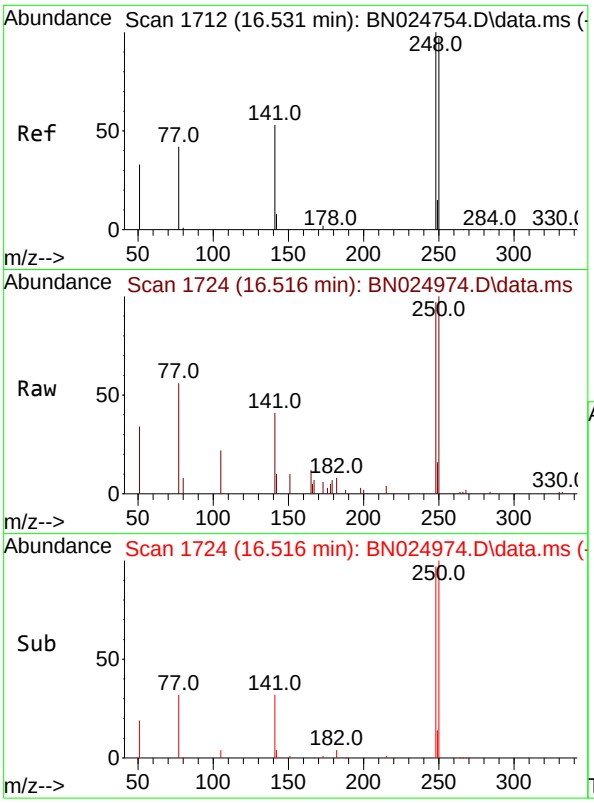


#20
4,6-Dinitro-2-methylphenol
Concen: 0.393 ng
RT: 15.699 min Scan# 1658
Delta R.T. -0.011 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:198 Resp: 1482

Ion	Ratio	Lower	Upper
198	100		
51	149.5	99.8	149.8
105	123.3	49.4	74.0#



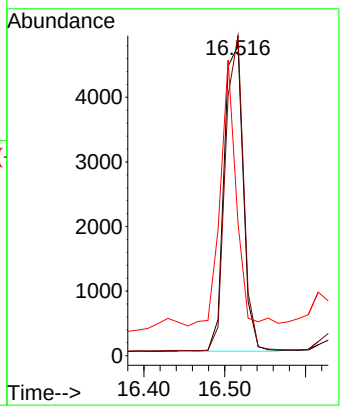


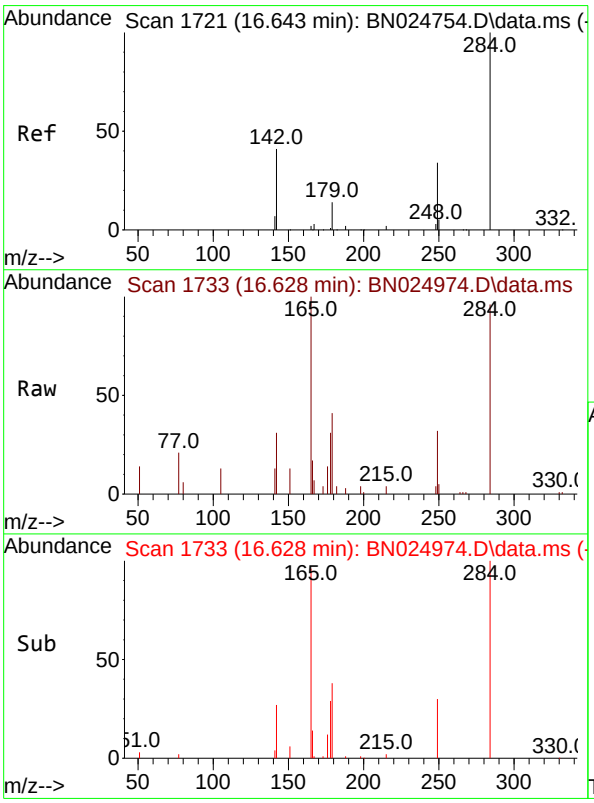
#21
4-Bromophenyl-phenylether
Concen: 0.366 ng
RT: 16.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:248 Resp: 7827

Ion	Ratio	Lower	Upper
248	100		
250	103.3	77.7	116.5
141	42.6	43.4	65.2#

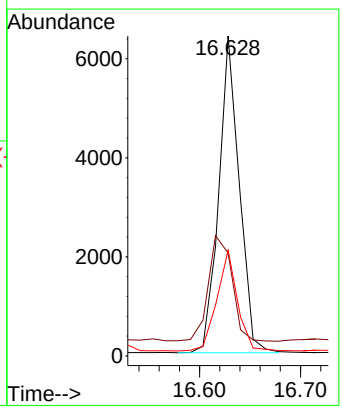


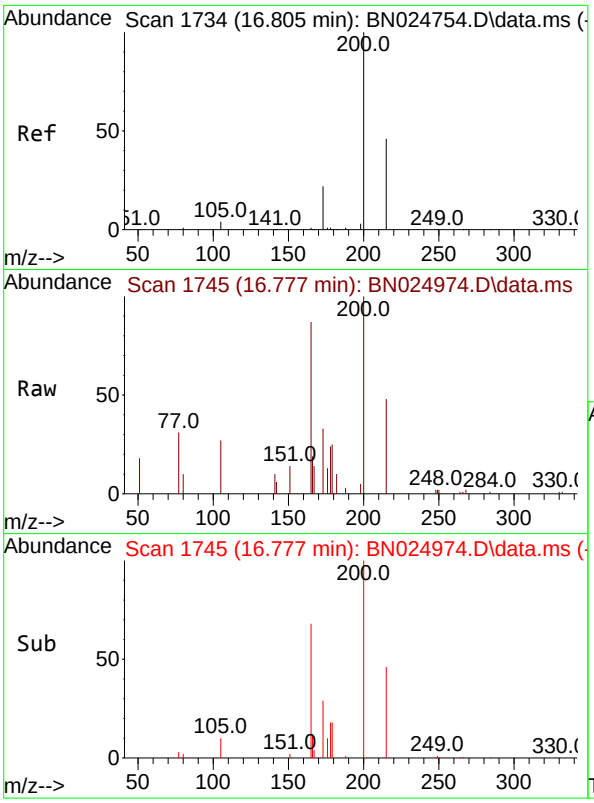


#22
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.628 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:284 Resp: 9027

Ion	Ratio	Lower	Upper
284	100		
142	38.2	29.6	44.4
249	31.7	24.6	37.0



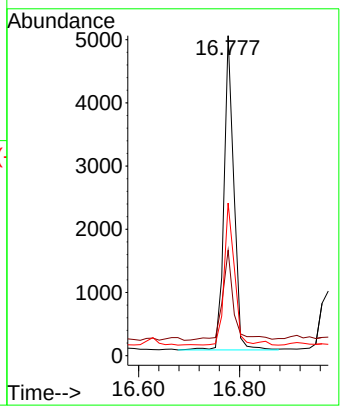


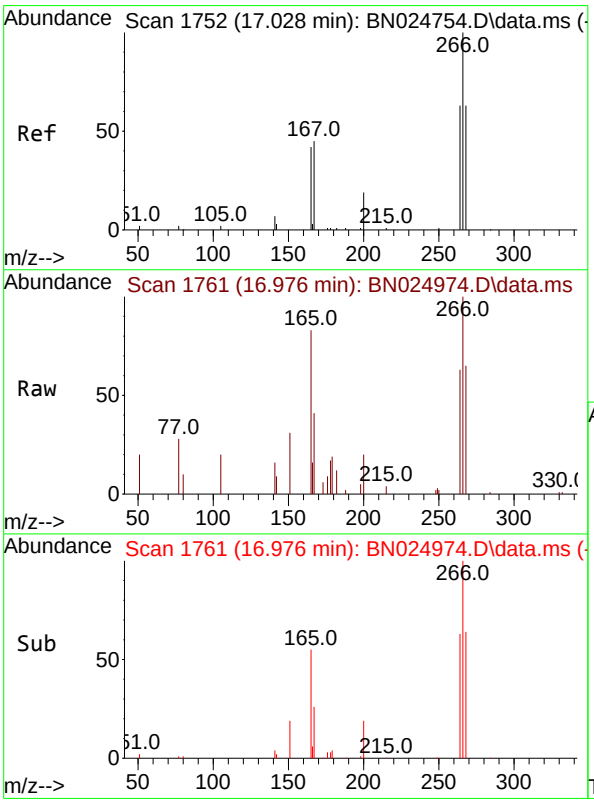
#23
Atrazine
Concen: 0.462 ng
RT: 16.777 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:200 Resp: 6725

Ion	Ratio	Lower	Upper
200	100		
173	33.0	18.4	27.6#
215	47.7	37.6	56.4

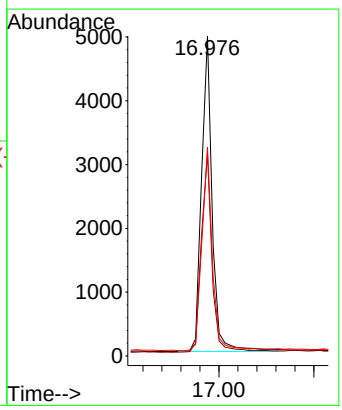


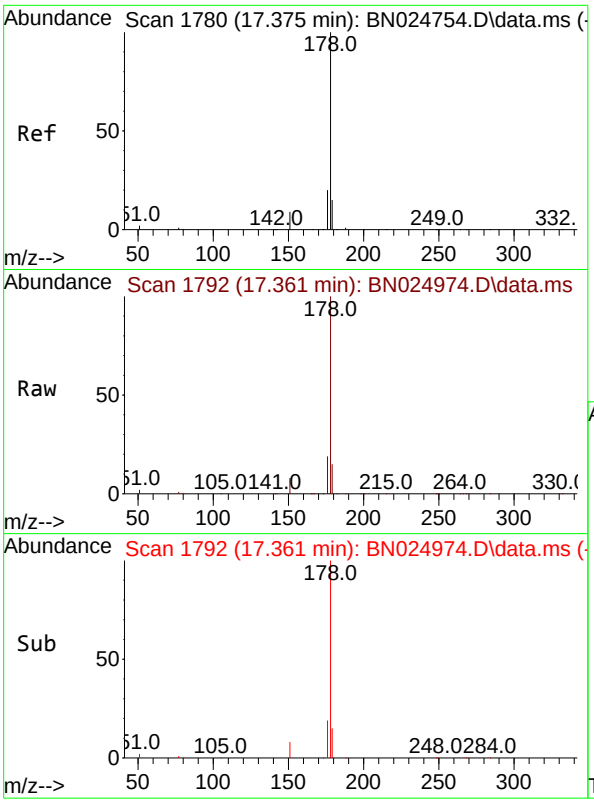


#24
Pentachlorophenol
Concen: 0.953 ng
RT: 16.976 min Scan# 1761
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:266 Resp: 7714

Ion	Ratio	Lower	Upper
266	100		
264	63.9	46.1	69.1
268	63.9	46.7	70.1



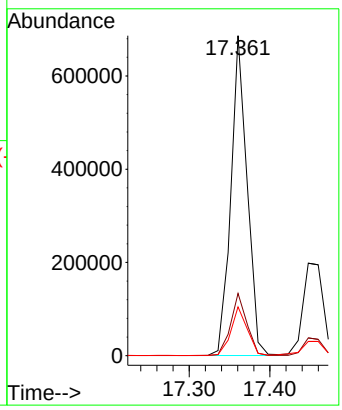


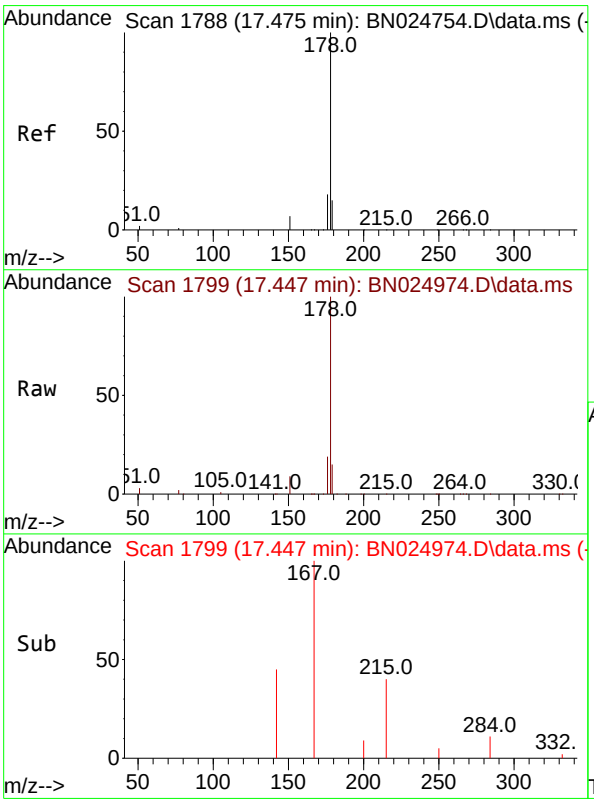
#25
Phenanthrene
Concen: 9.126 ng
RT: 17.361 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:178 Resp: 960643

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.2	18.2

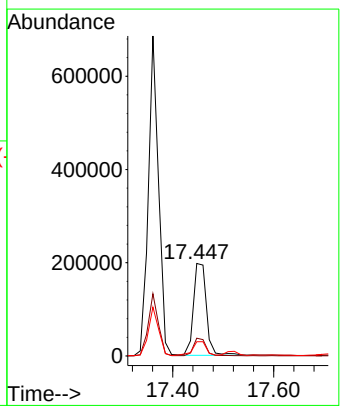


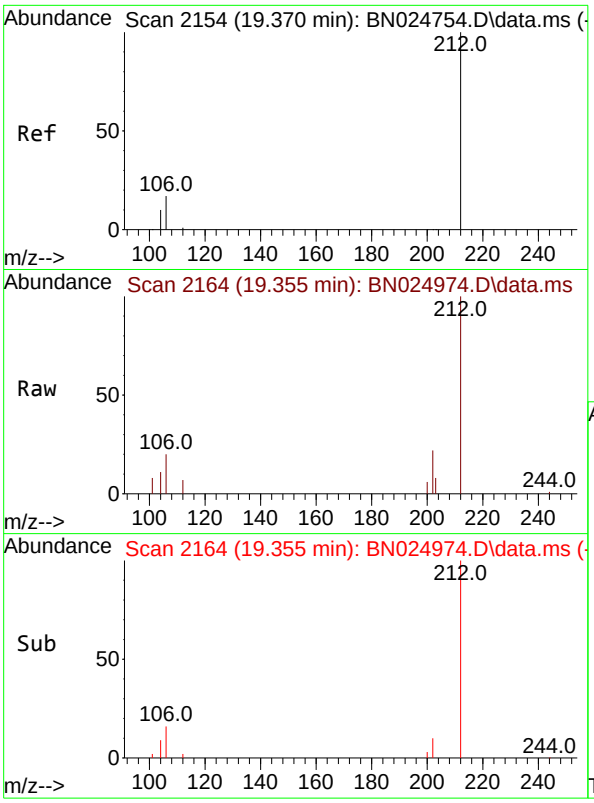


#26
Anthracene
Concen: 3.841 ng
RT: 17.447 min Scan# 1799
Delta R.T. -0.013 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:178 Resp: 352527

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	15.6	12.4	18.6



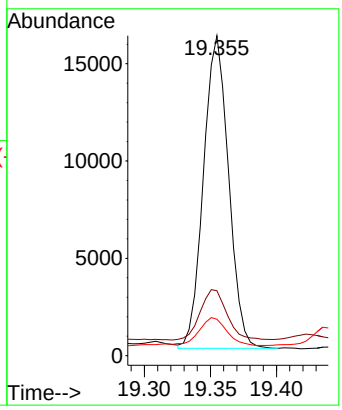


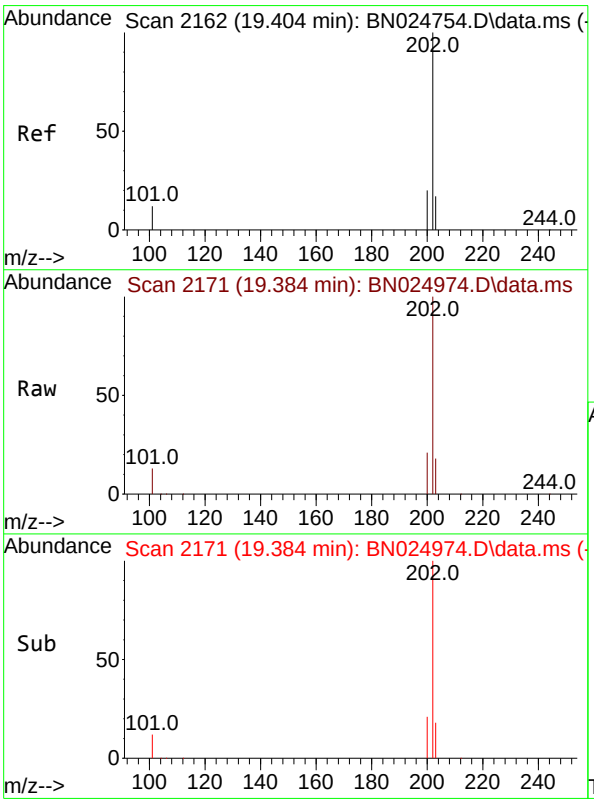
#27
Fluoranthene-d10
Concen: 0.258 ng
RT: 19.355 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:212 Resp: 21204

Ion	Ratio	Lower	Upper
212	100		
106	17.1	13.2	19.8
104	11.6	7.6	11.4#

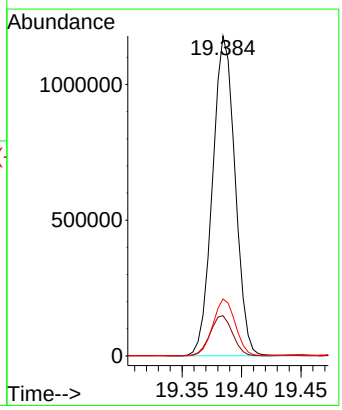


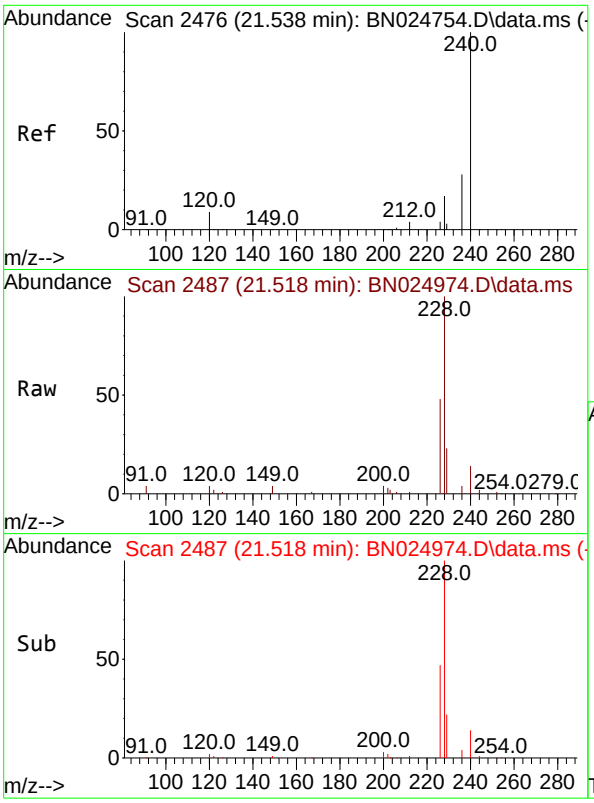


#28
Fluoranthene
Concen: 13.002 ng
RT: 19.384 min Scan# 2171
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:202 Resp: 1553790

Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.2	15.4
203	17.6	13.4	20.2



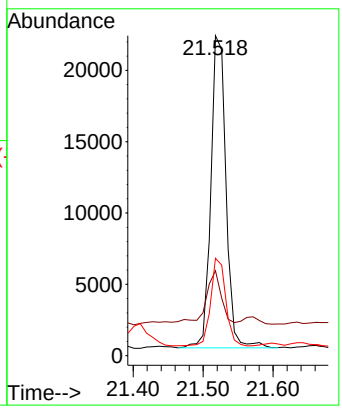


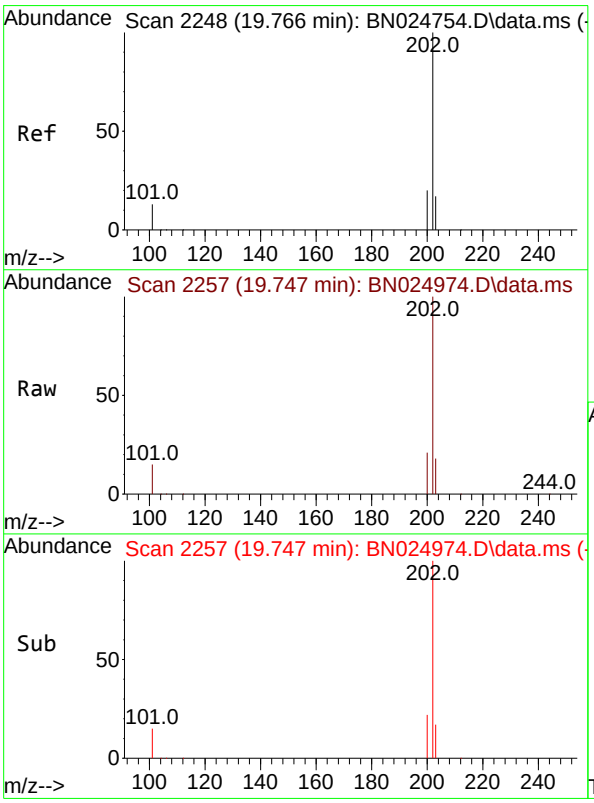
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.518 min Scan# 24
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:240 Resp: 32906

Ion	Ratio	Lower	Upper
240	100		
120	26.5	8.8	13.2#
236	30.5	22.6	34.0

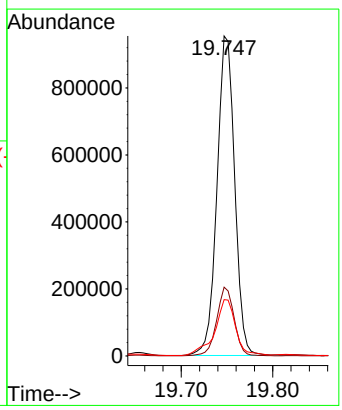


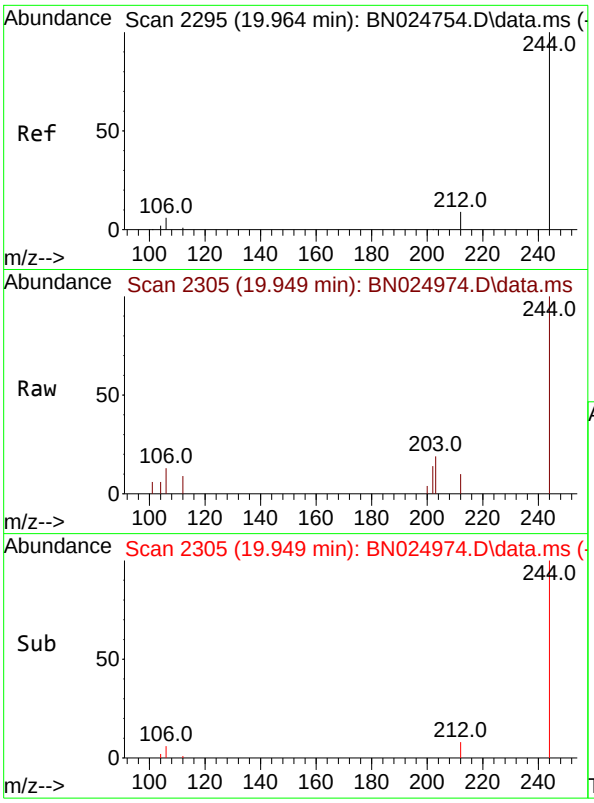


#30
Pyrene
Concen: 10.943 ng
RT: 19.747 min Scan# 2257
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:202 Resp: 1280034

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	20.6	14.2	21.4



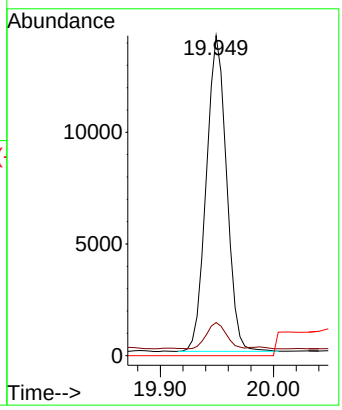


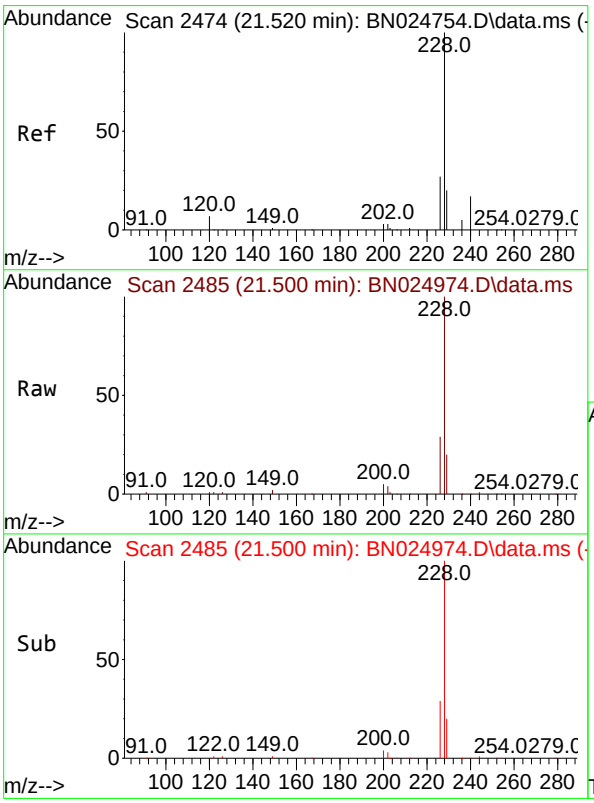
#31
Terphenyl-d14
Concen: 0.236 ng
RT: 19.949 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:244 Resp: 17569

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.4	11.0
122	0.0	0.0	0.0

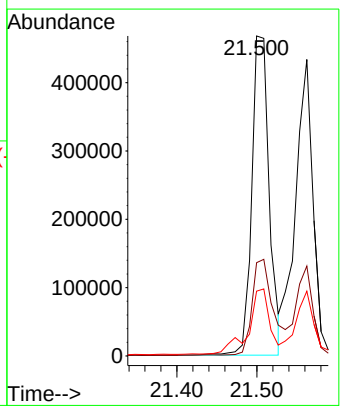


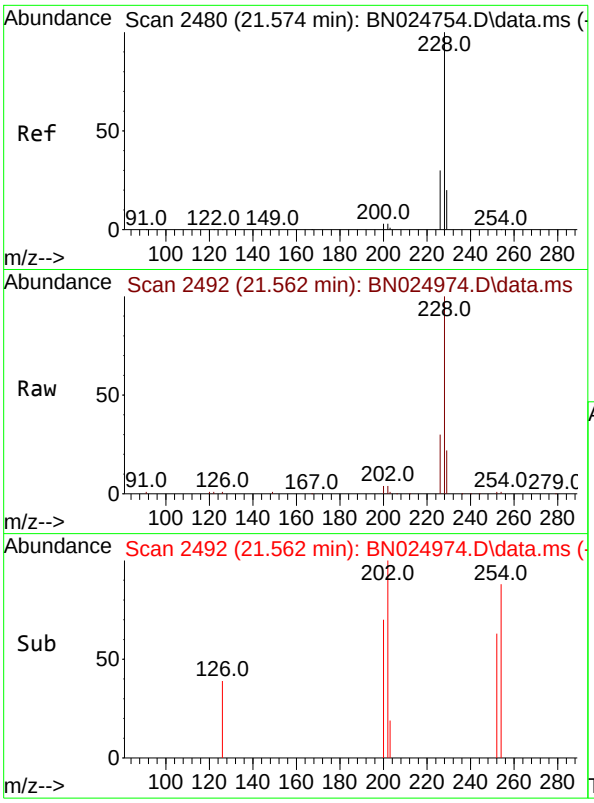


#32
Benzo(a)anthracene
Concen: 6.371 ng
RT: 21.500 min Scan# 2485
Delta R.T. -0.004 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:228 Resp: 708860

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.5	32.3
229	20.3	16.0	24.0



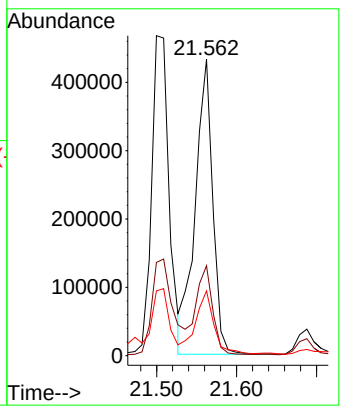


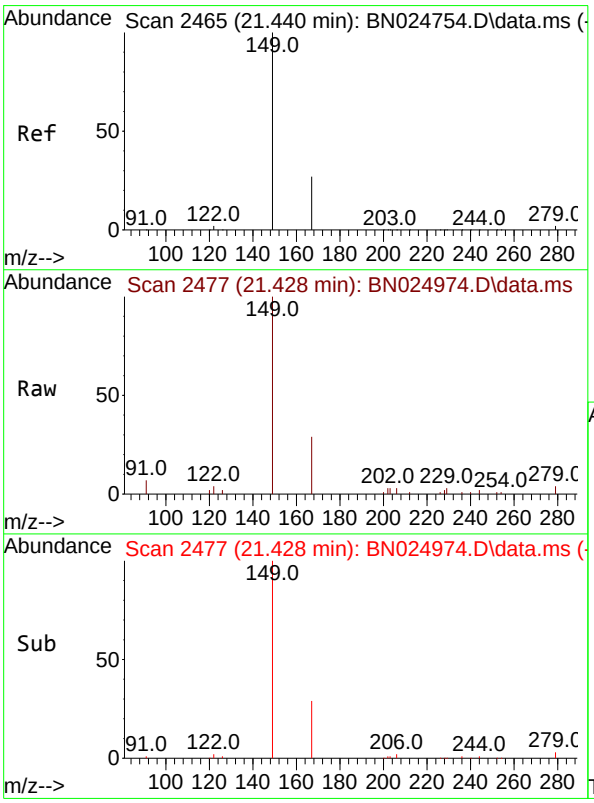
#33
Chrysene
Concen: 5.673 ng
RT: 21.562 min Scan# 24
Delta R.T. 0.005 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:228 Resp: 661125

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	21.9	16.0	24.0

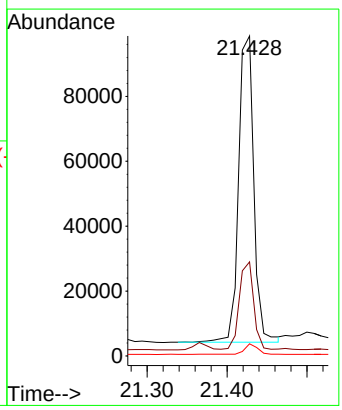


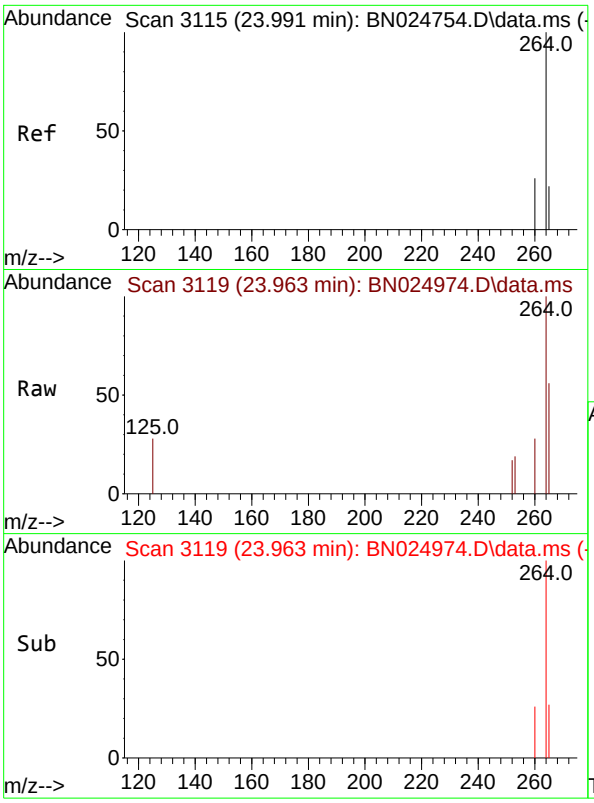


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.083 ng
RT: 21.428 min Scan# 2477
Delta R.T. 0.005 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:149 Resp: 124517

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.2
279	2.9	2.6	4.0



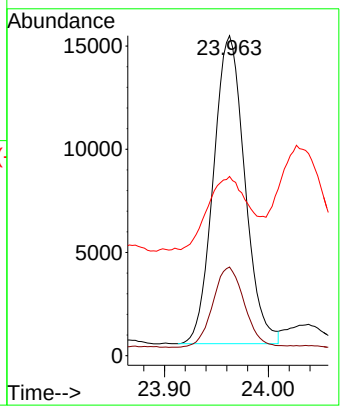


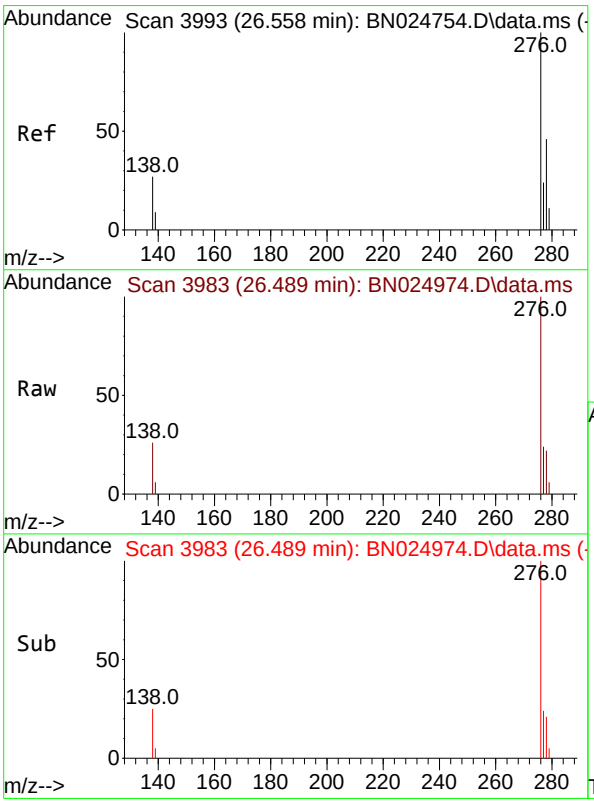
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.963 min Scan# 3
Delta R.T. -0.010 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:264 Resp: 31286

Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.8	31.2
265	56.0	46.5	69.7

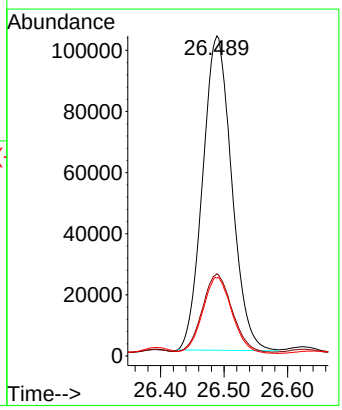


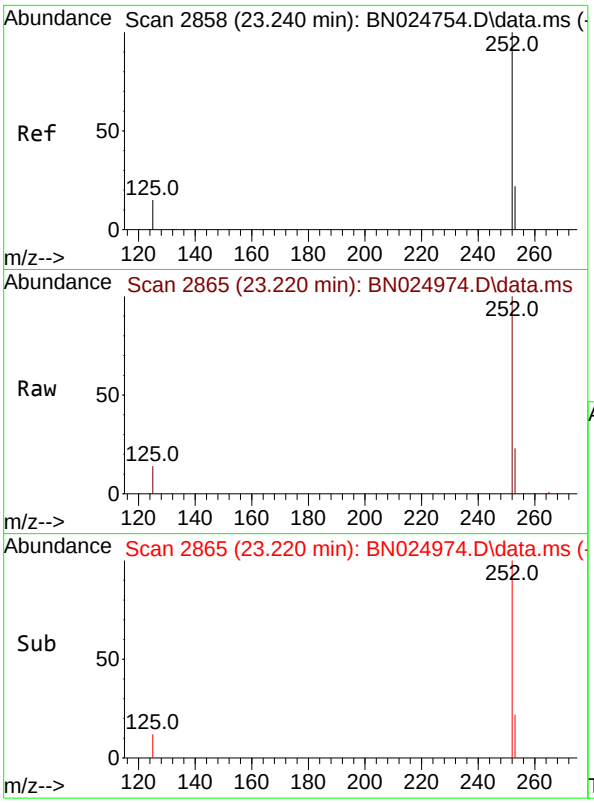


#36
Indeno(1,2,3-cd)pyrene
Concen: 2.376 ng
RT: 26.489 min Scan# 3983
Delta R.T. -0.045 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:276 Resp: 325929

Ion	Ratio	Lower	Upper
276	100		
138	25.3	23.4	35.0
277	24.6	19.8	29.8



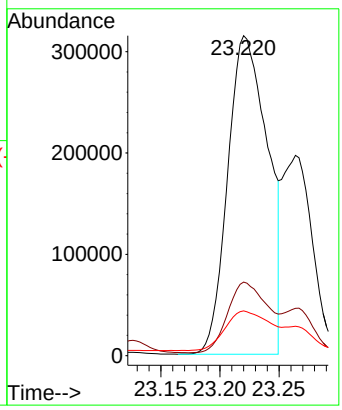


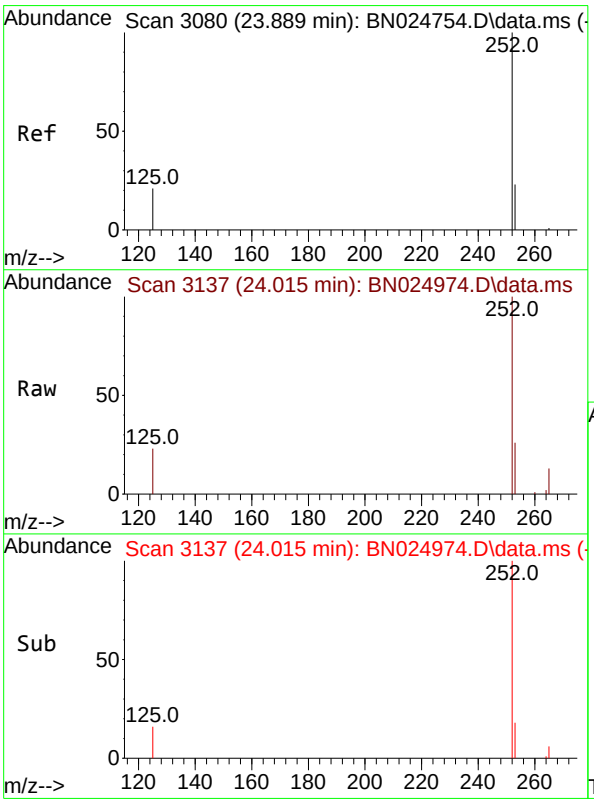
#37
Benzo(b)fluoranthene
Concen: 6.222 ng
RT: 23.220 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:252 Resp: 738255

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.0	30.0
125	14.0	14.6	21.8#

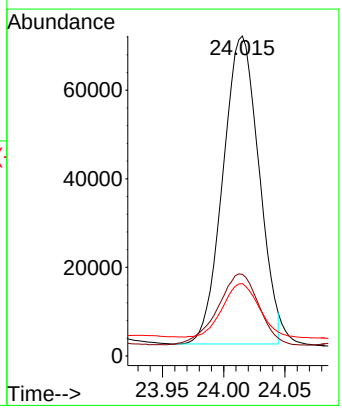


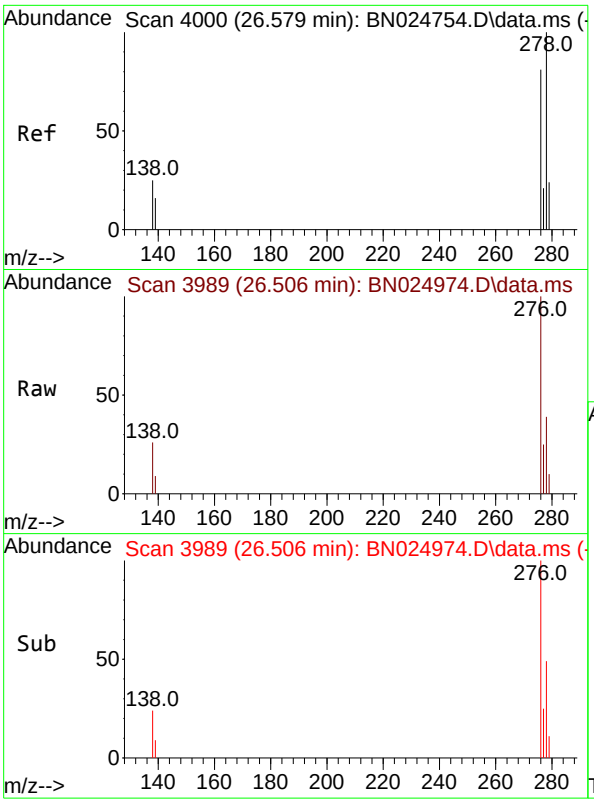


#39
Benzo(a)pyrene
Concen: 1.252 ng
RT: 24.015 min Scan# 3137
Delta R.T. 0.148 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:252 Resp: 142027

Ion	Ratio	Lower	Upper
252	100		
253	25.5	21.0	31.6
125	22.6	20.2	30.4



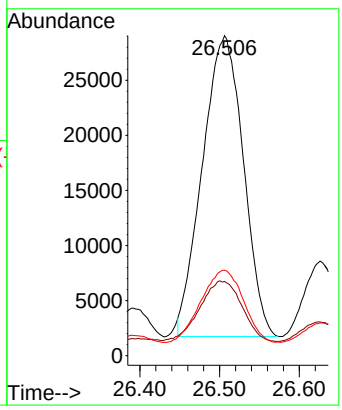


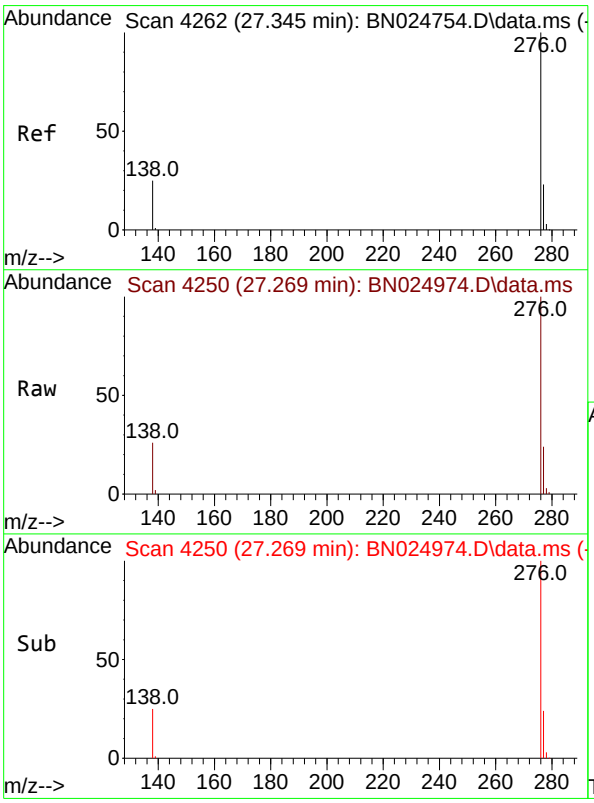
#40
Dibenzo(a,h)anthracene
Concen: 0.903 ng
RT: 26.506 min Scan# 3
Delta R.T. -0.048 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413MS

Tgt Ion:278 Resp: 97486

Ion	Ratio	Lower	Upper
278	100		
139	23.2	17.1	25.7
279	26.7	20.7	31.1





#41
Benzo(g,h,i)perylene
Concen: 2.602 ng
RT: 27.269 min Scan# 4250
Delta R.T. -0.051 min
Lab File: BN024974.D
Acq: 18 Apr 2023 12:32

Tgt Ion:276 Resp: 304338

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	25.8	20.9	31.3