Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080223\
Data File : BN026791.D
Acq On : 02 Aug 2023 10:16
Operator : MA/JU
Sample : 03709-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 03 00:44:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 00:35:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.117	152	8930	0.400	ng		0.00
7) Naphthalene-d8	10.938	136	25151	0.400	ng		-0.01
13) Acenaphthene-d10	14.737	164	11341	0.400	ng		-0.01
19) Phenanthrene-d10	17.480	188	20219	0.400	ng		#-0.01
29) Chrysene-d12	21.659	240	11588	0.400	ng		#-0.02
35) Perylene-d12	24.218	264	9769	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.625	112	2984	0.132	ng		0.00
5) Phenol-d6	7.236	99	2247	0.077	ng		0.00
8) Nitrobenzene-d5	9.294	82	5941	0.399	ng		-0.01
11) 2-Methylnaphthalene-d10	12.513	152	11415	0.317	ng		-0.01
14) 2,4,6-Tribromophenol	16.226	330	1139	0.295	ng		0.00
15) 2-Fluorobiphenyl	13.368	172	18492	0.399	ng		-0.01
27) Fluoranthene-d10	19.504	212	15327	0.316	ng		0.00
31) Terphenyl-d14	20.094	244	13403	0.555	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.487	88	38540	3.697	ng		98
3) n-Nitrosodimethylamine	3.819	42	1898	0.163	ng	#	93
6) bis(2-Chloroethyl)ether	7.539	93	9165	0.347	ng		99
9) Naphthalene	10.992	128	24707	0.357	ng		100
10) Hexachlorobutadiene	11.237	225	4269	0.340	ng	#	99
12) 2-Methylnaphthalene	12.589	142	15262	0.323	ng		98
16) Acenaphthylene	14.469	152	19531	0.348	ng		100
17) Acenaphthene	14.801	154	12534	0.356	ng		98
18) Fluorene	15.780	166	15244	0.333	ng		100
20) 4,6-Dinitro-2-methylph...	16.934	198	119	0.364	ng	#	1
21) 4-Bromophenyl-phenylether	16.673	248	4594	0.376	ng	#	92
22) Hexachlorobenzene	16.748	284	5405	0.387	ng		100
23) Atrazine	16.934	200	2857	0.354	ng	#	82
24) Pentachlorophenol	17.108	266	2822	0.787	ng		99
25) Phenanthrene	17.530	178	24315	0.396	ng		100
26) Anthracene	17.617	178	20233	0.369	ng		99
28) Fluoranthene	19.537	202	23474	0.343	ng		99
30) Pyrene	19.899	202	24035	0.480	ng		100
32) Benzo(a)anthracene	21.650	228	16750	0.421	ng		99
33) Chrysene	21.704	228	17270	0.393	ng		99
34) Bis(2-ethylhexyl)phtha...	21.551	149	9474	0.719	ng		99
36) Indeno(1,2,3-cd)pyrene	26.922	276	14977	0.376	ng		100
37) Benzo(b)fluoranthene	23.426	252	15375	0.400	ng		97
38) Benzo(k)fluoranthene	23.481	252	14972	0.379	ng	#	96
39) Benzo(a)pyrene	24.104	252	11963	0.341	ng		96
40) Dibenzo(a,h)anthracene	26.954	278	11533	0.372	ng		95
41) Benzo(g,h,i)perylene	27.764	276	14274	0.389	ng		97

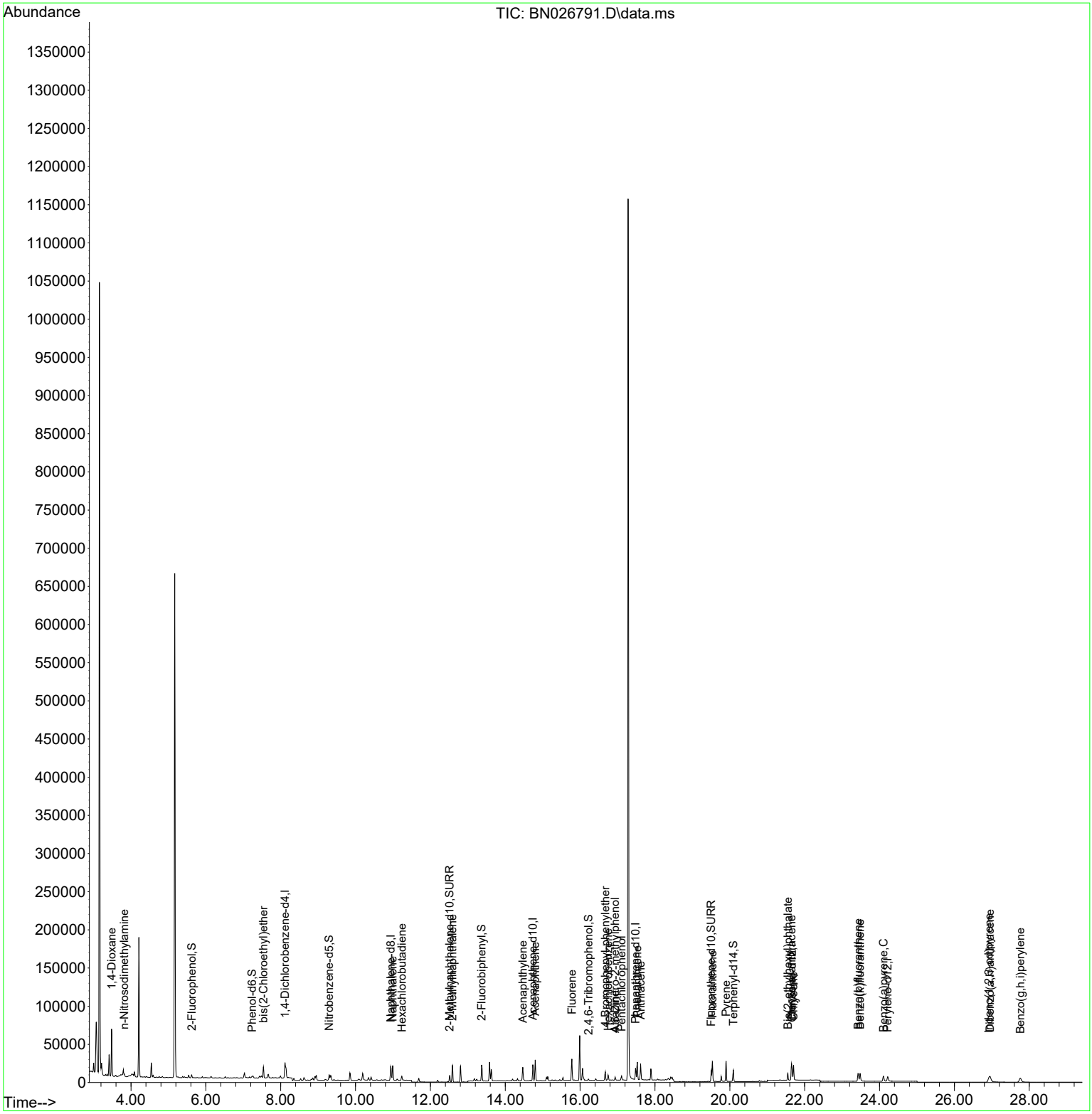
(#) = qualifier out of range (m) = manual integration (+) = signals summed

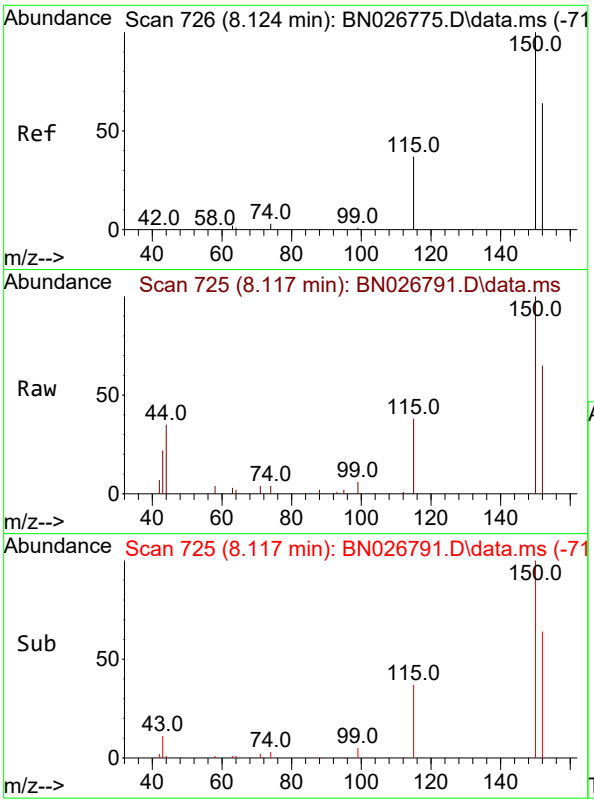
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080223\
Data File : BN026791.D
Acq On : 02 Aug 2023 10:16
Operator : MA/JU
Sample : 03709-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 03 00:44:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 00:35:47 2023
Response via : Initial Calibration



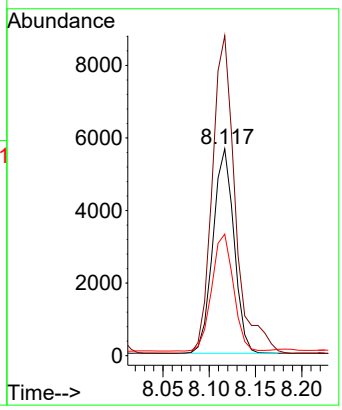


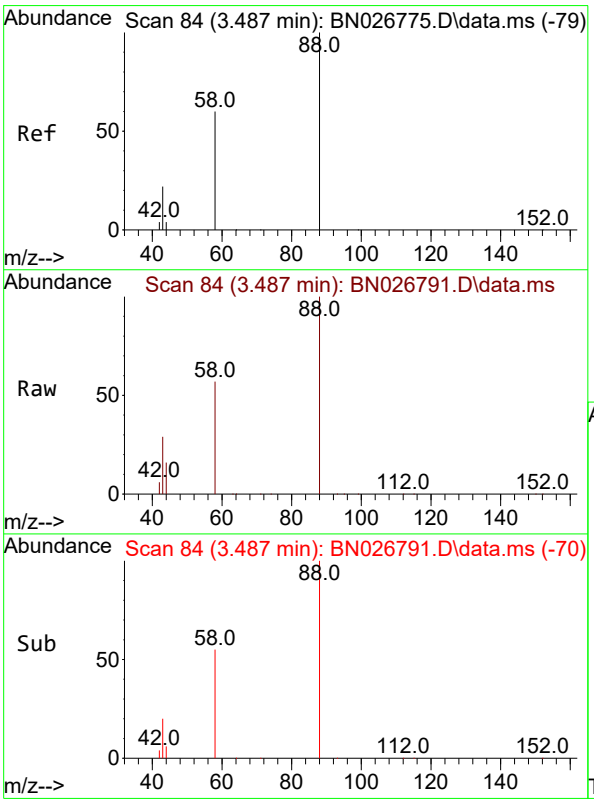
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.117 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 8930

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	58.8	48.0	72.0

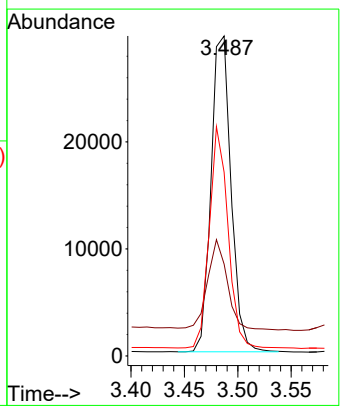


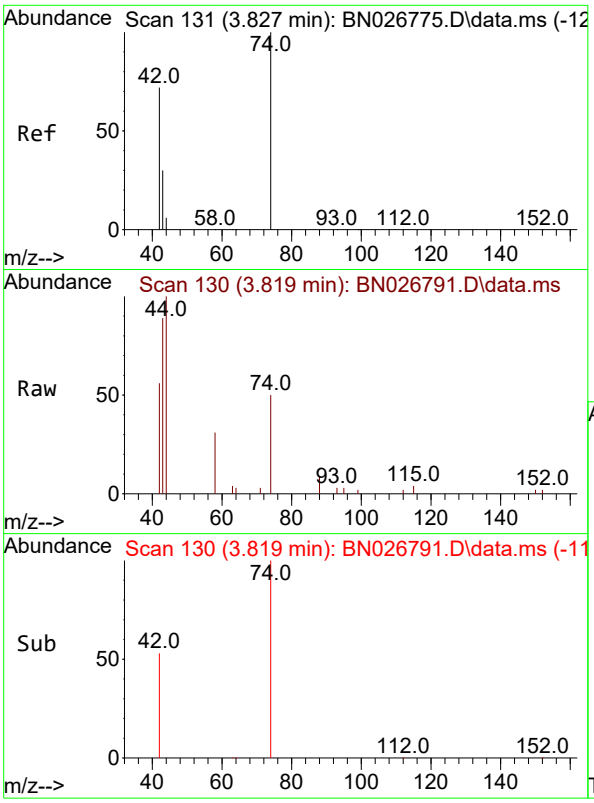


#2
1,4-Dioxane
Concen: 3.697 ng
RT: 3.487 min Scan# 84
Delta R.T. 0.000 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion: 88 Resp: 38540

Ion	Ratio	Lower	Upper
88	100		
43	28.3	21.7	32.5
58	65.3	53.3	79.9



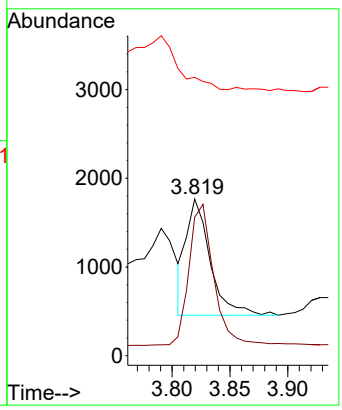


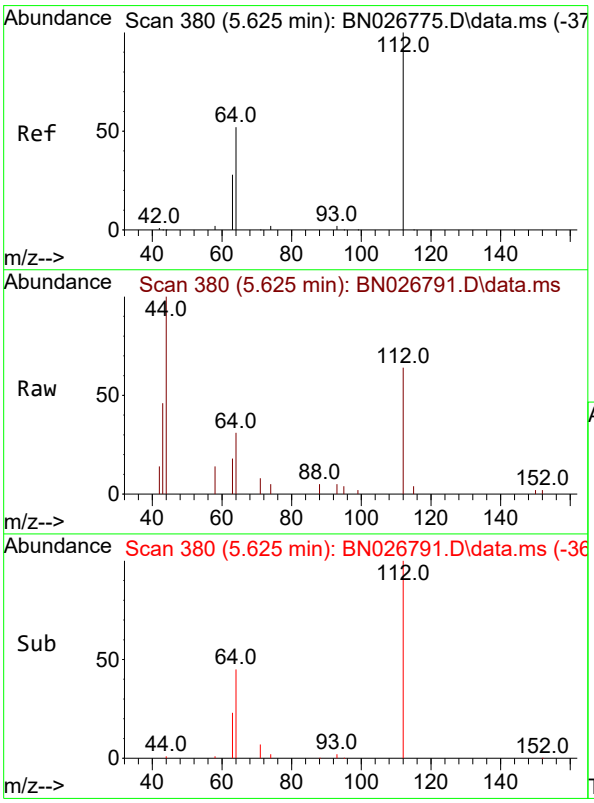
#3
n-Nitrosodimethylamine
Concen: 0.163 ng
RT: 3.819 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 1898

Ion	Ratio	Lower	Upper
42	100		
74	125.9	106.4	159.6
44	0.0	7.3	10.9#

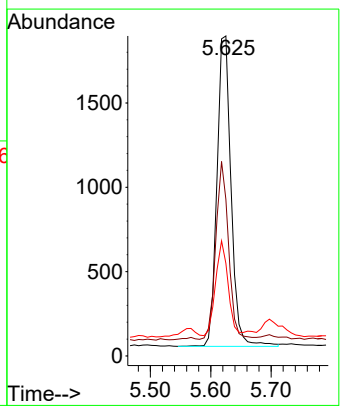


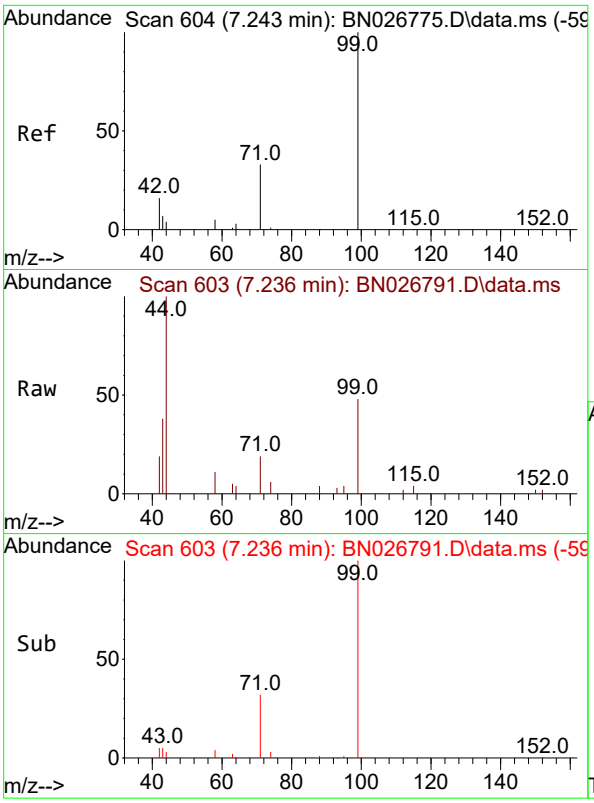


#4
2-Fluorophenol
Concen: 0.132 ng
RT: 5.625 min Scan# 380
Delta R.T. 0.000 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:112 Resp: 2984

Ion	Ratio	Lower	Upper
112	100		
64	51.4	42.2	63.2
63	27.1	22.7	34.1



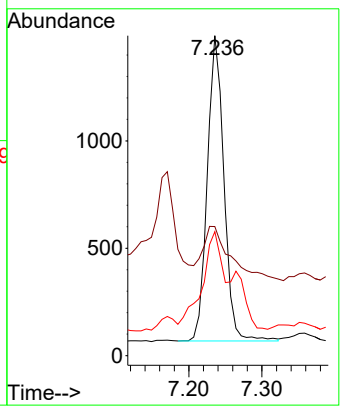


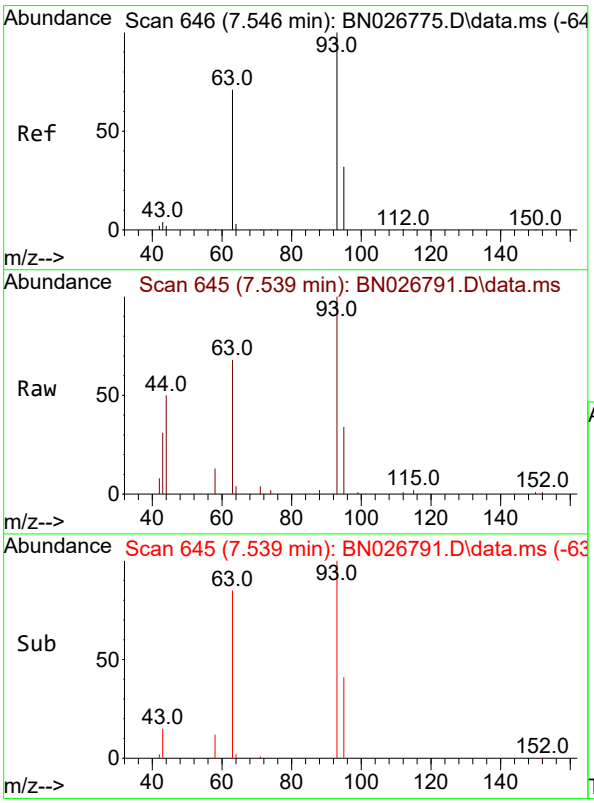
#5
Phenol-d6
Concen: 0.077 ng
RT: 7.236 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 2247

Ion	Ratio	Lower	Upper
99	100		
42	29.8	14.6	22.0#
71	39.2	26.6	40.0

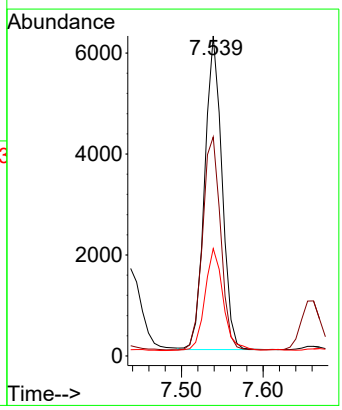


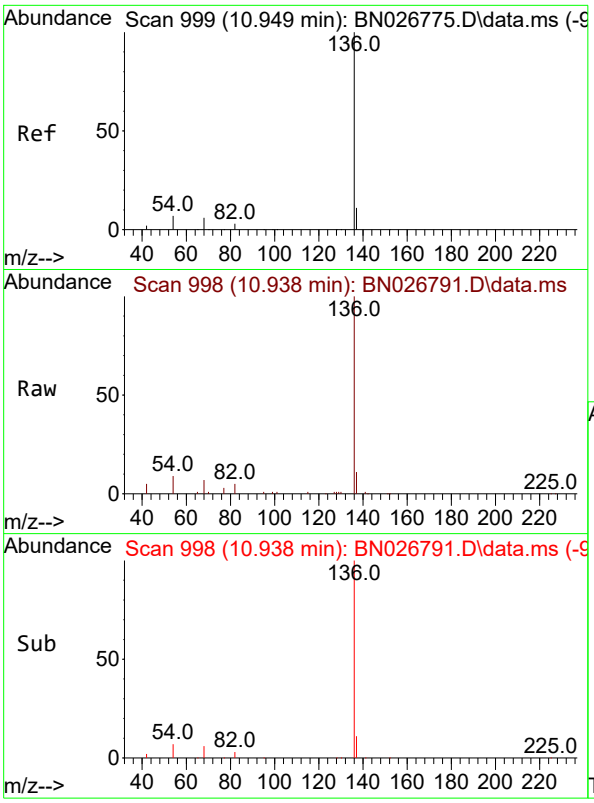


#6
bis(2-Chloroethyl)ether
Concen: 0.347 ng
RT: 7.539 min Scan# 645
Delta R.T. -0.007 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion: 93 Resp: 9165

Ion	Ratio	Lower	Upper
93	100		
63	70.8	56.7	85.1
95	34.3	25.9	38.9



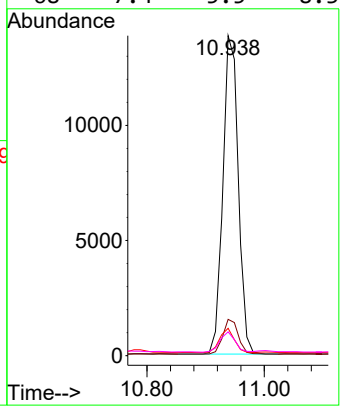


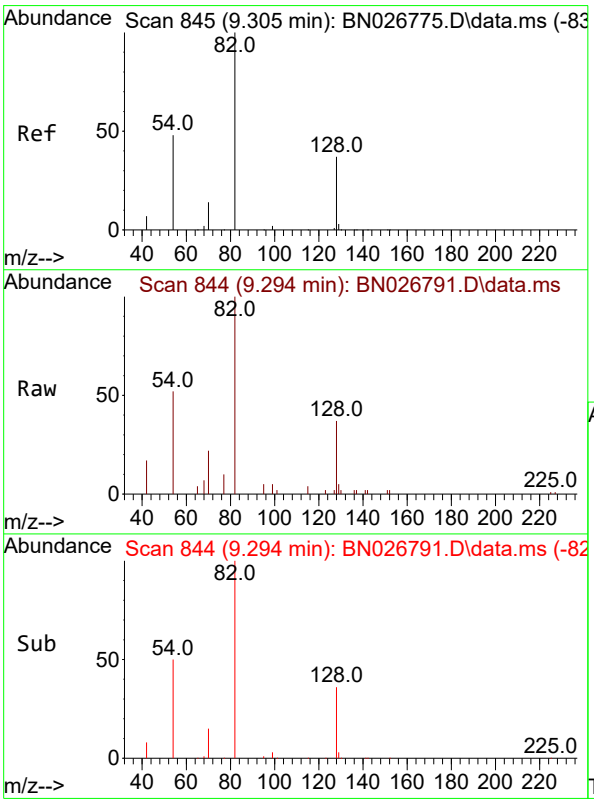
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 25151

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.6	6.2	9.2
68	7.4	5.5	8.3

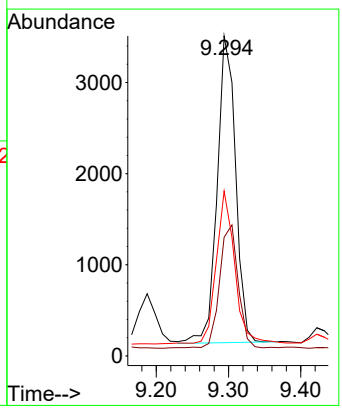


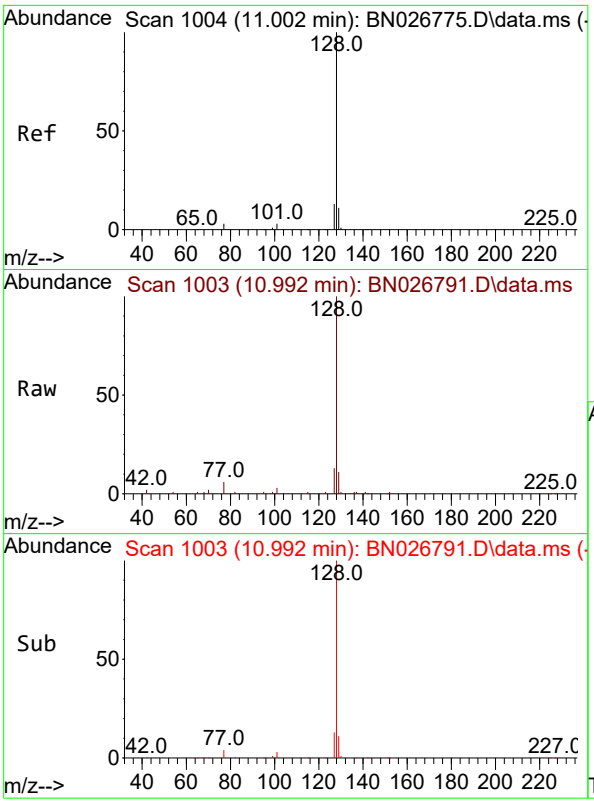


#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 9.294 min Scan# 844
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion: 82 Resp: 5941

Ion	Ratio	Lower	Upper
82	100		
128	37.1	30.5	45.7
54	51.5	39.4	59.2



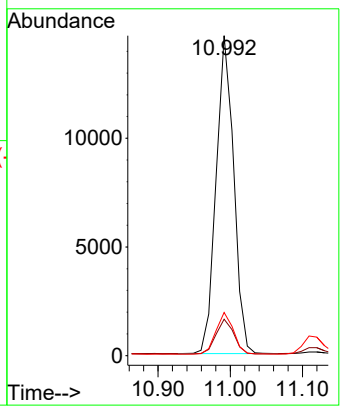


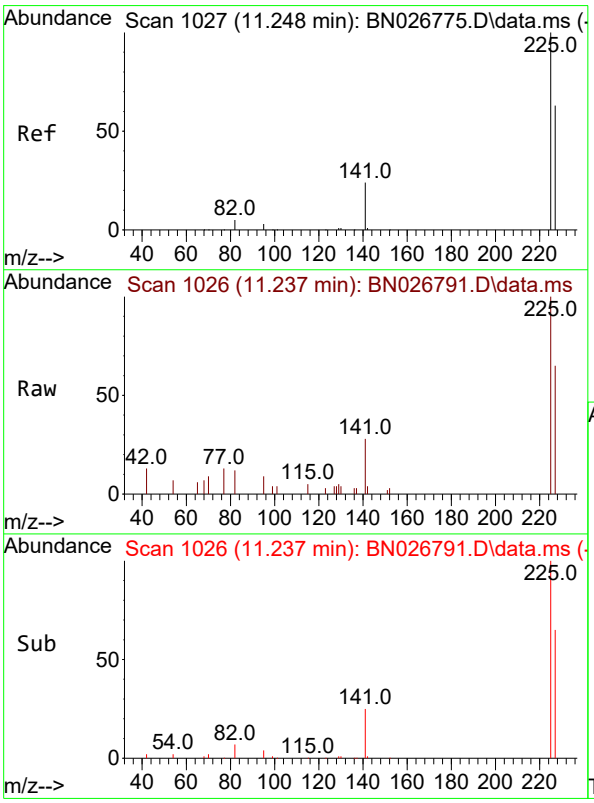
#9
Naphthalene
Concen: 0.357 ng
RT: 10.992 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 24707

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.5	10.6	16.0

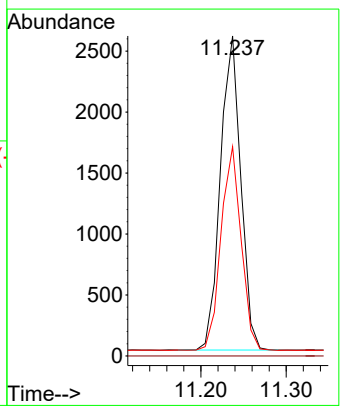


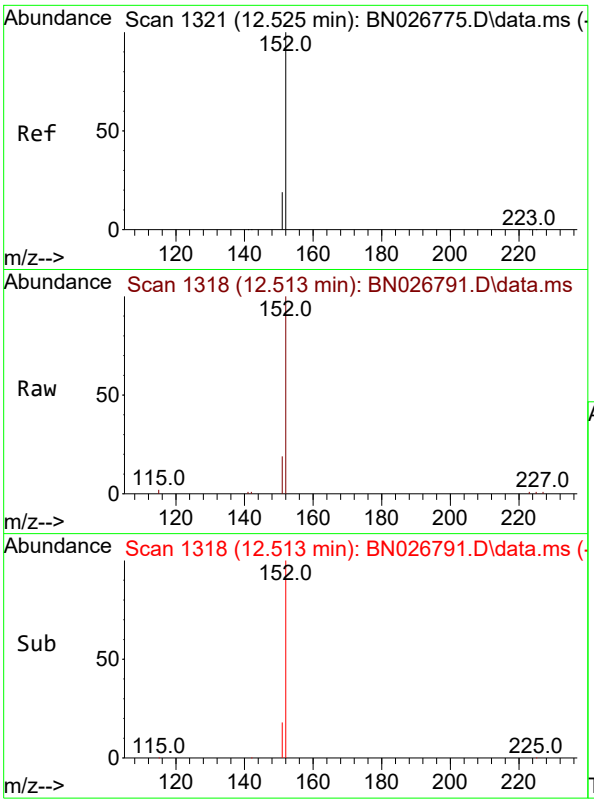


#10
Hexachlorobutadiene
Concen: 0.340 ng
RT: 11.237 min Scan# 1026
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:225 Resp: 4269

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.5	75.7



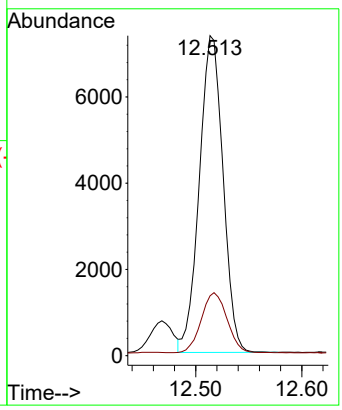


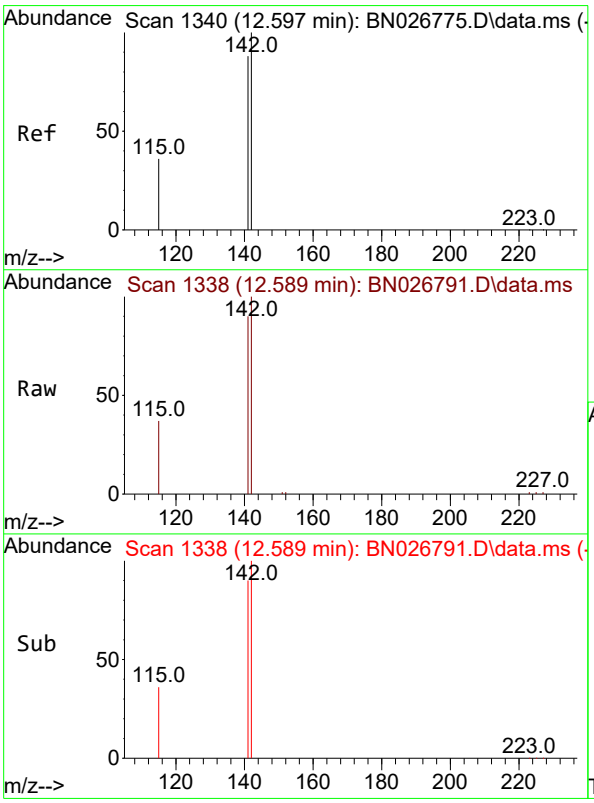
#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.513 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 11415

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.5	24.7

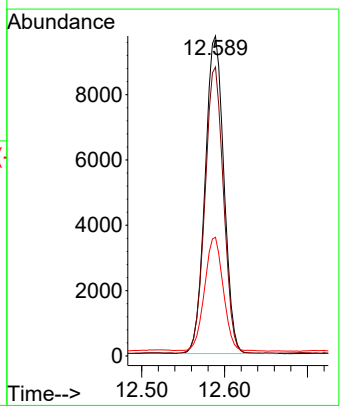


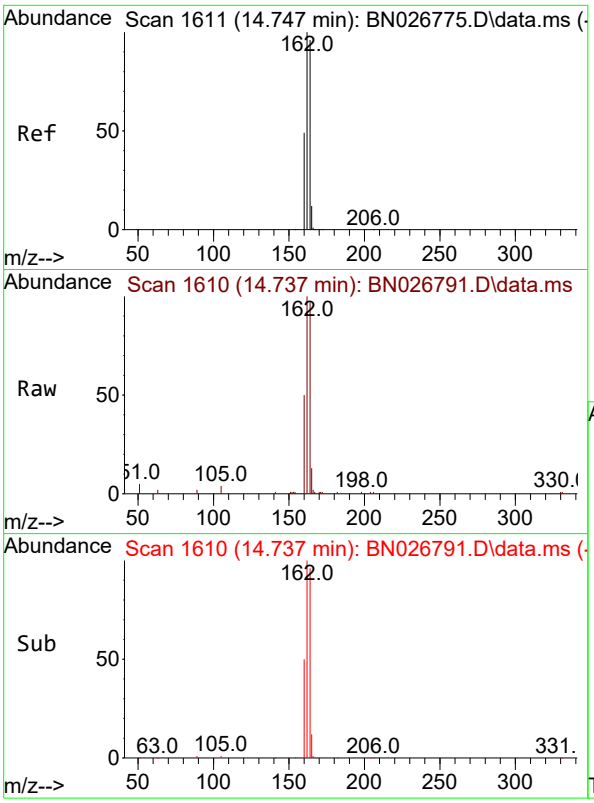


#12
2-Methylnaphthalene
Concen: 0.323 ng
RT: 12.589 min Scan# 1338
Delta R.T. -0.008 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:142 Resp: 15262

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.3	105.5
115	37.1	29.2	43.8



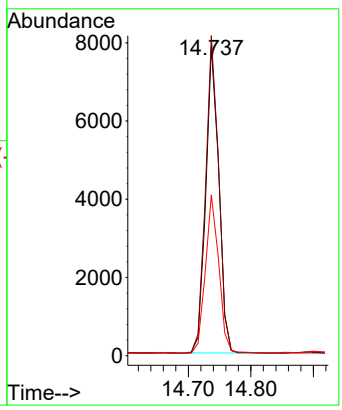


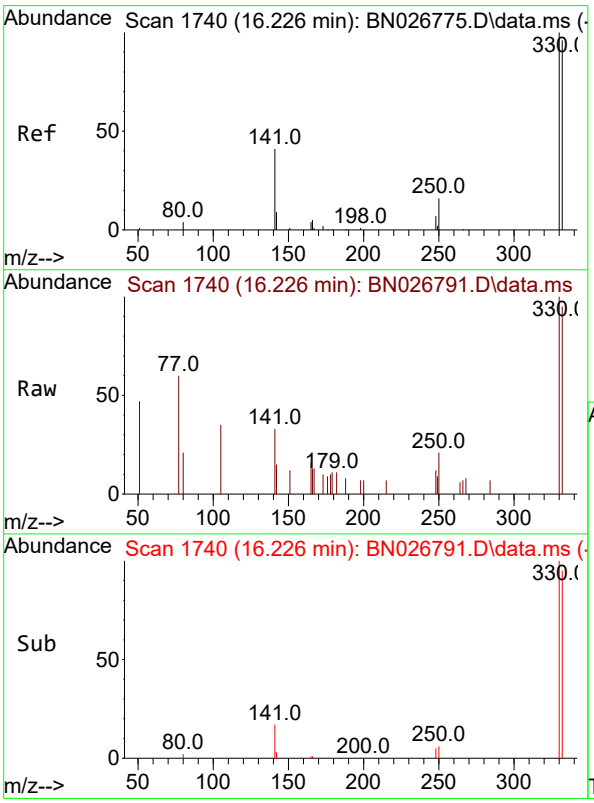
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 11341

Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.0	124.6
160	52.0	40.8	61.2

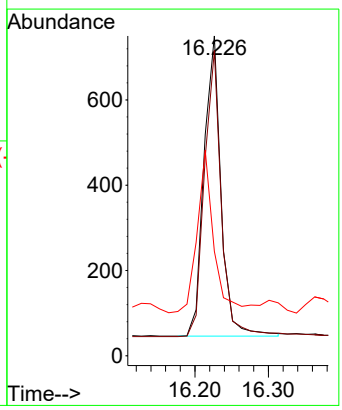


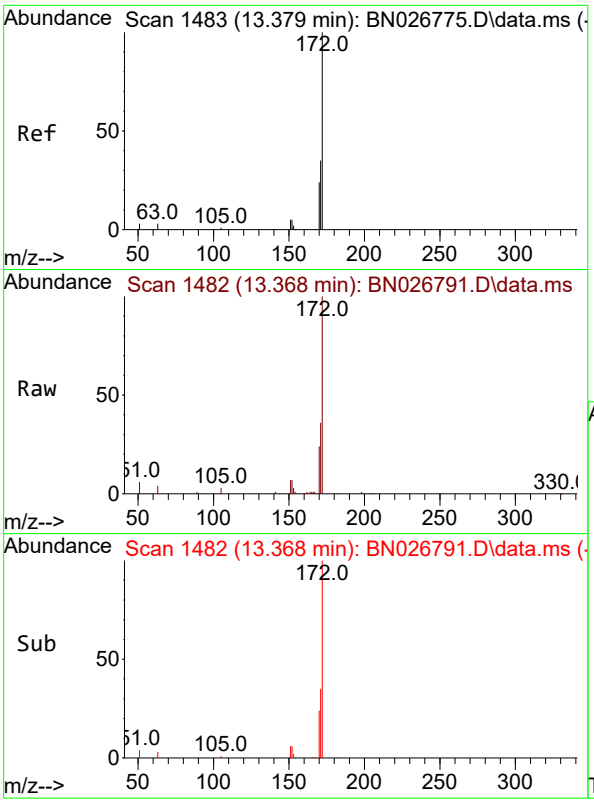


#14
2,4,6-Tribromophenol
Concen: 0.295 ng
RT: 16.226 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:330 Resp: 1139

Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.8	116.6
141	51.5	34.8	52.2



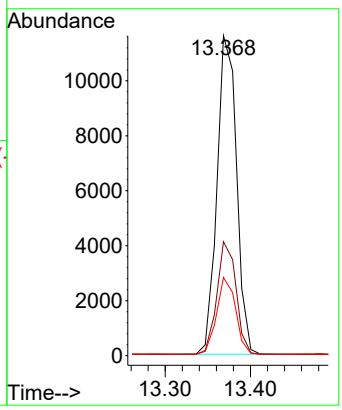


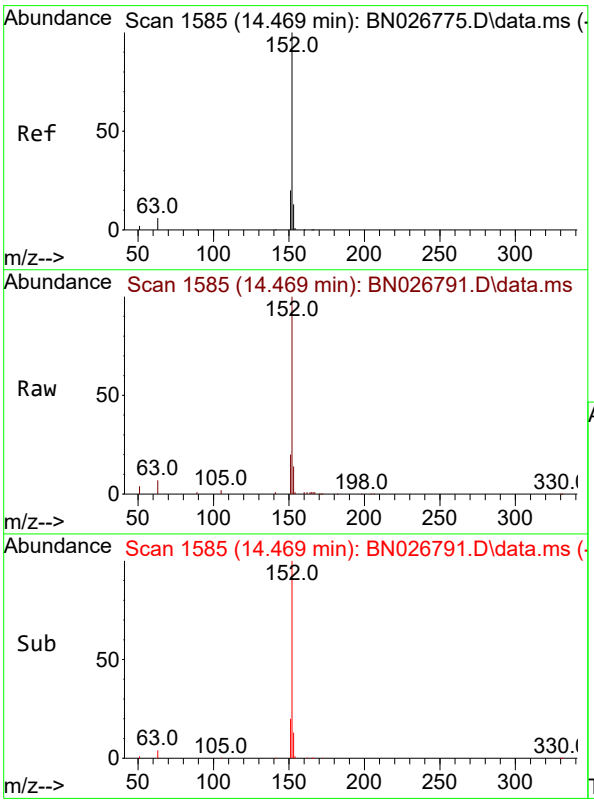
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.368 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 18492

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	24.4	19.2	28.8

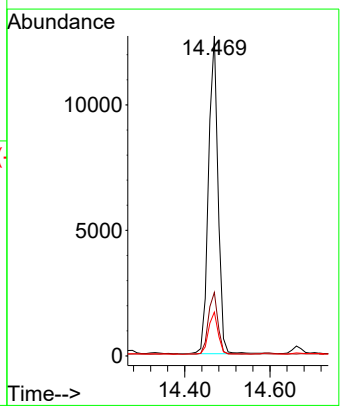


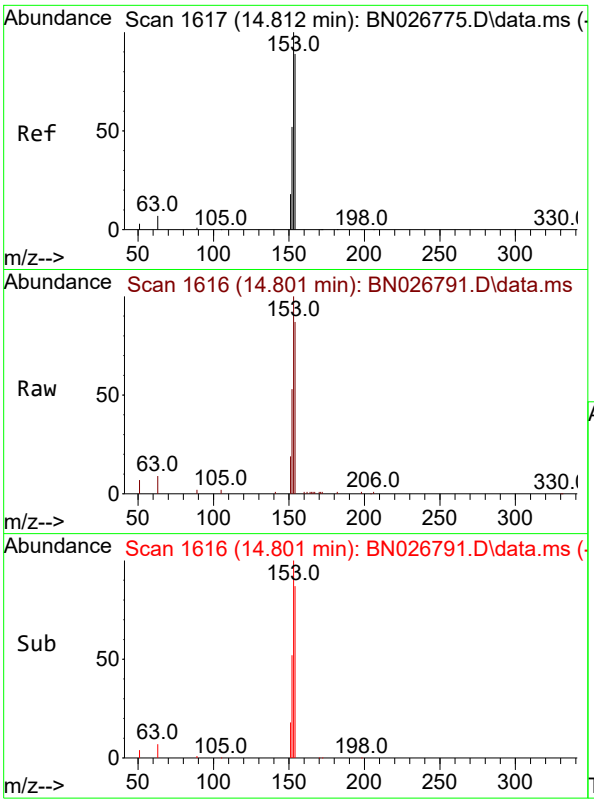


#16
Acenaphthylene
Concen: 0.348 ng
RT: 14.469 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:152 Resp: 19531

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.3	10.5	15.7



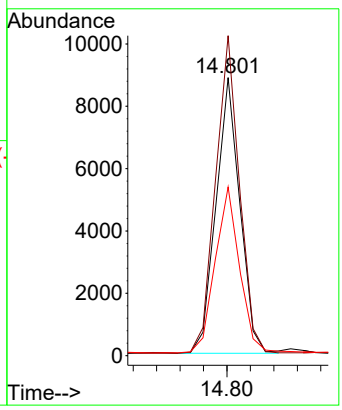


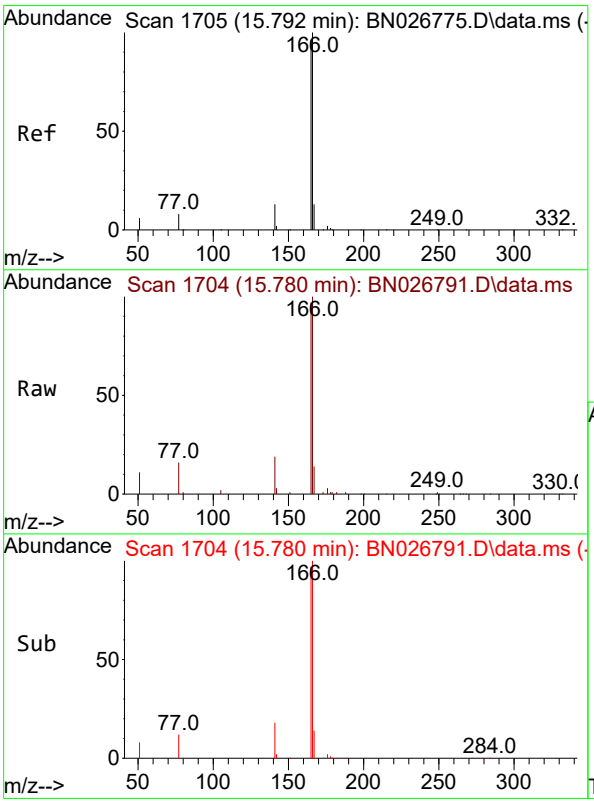
#17
Acenaphthene
Concen: 0.356 ng
RT: 14.801 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 12534

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.0	135.0
152	61.8	48.6	73.0

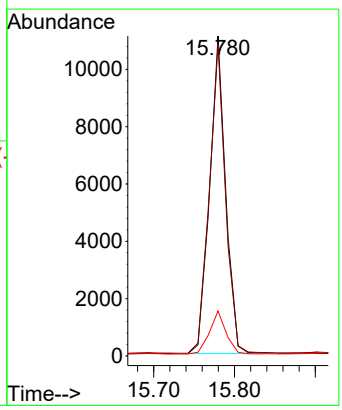


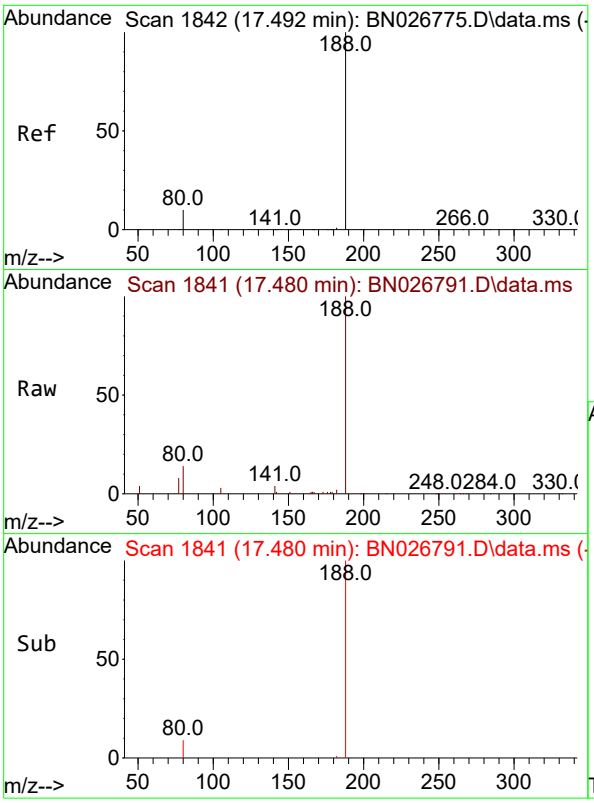


#18
Fluorene
Concen: 0.333 ng
RT: 15.780 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:166 Resp: 15244

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.0	118.6
167	13.9	10.9	16.3



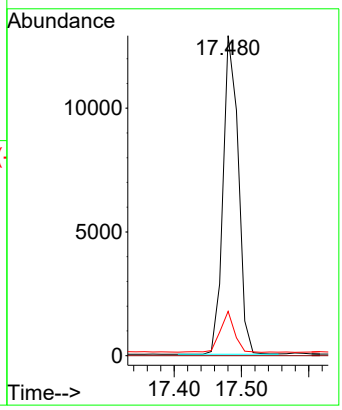


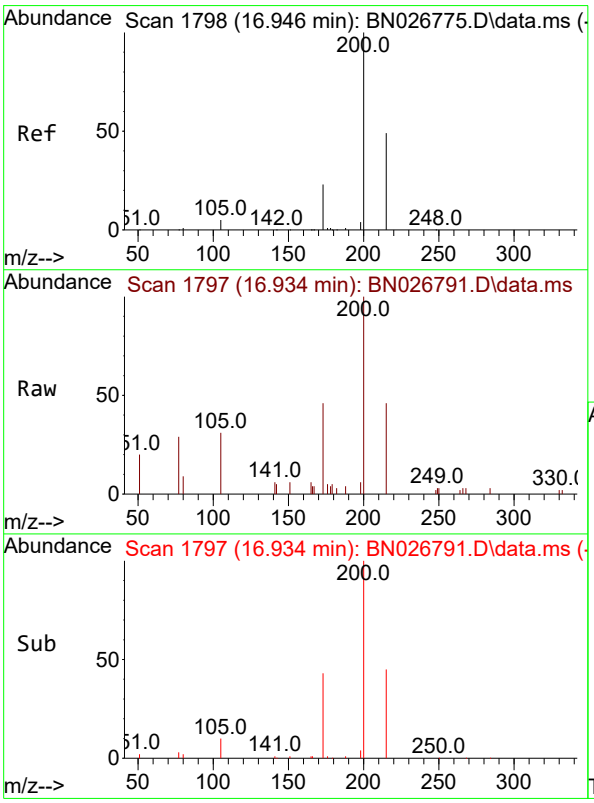
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 20219

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	8.0	12.0#

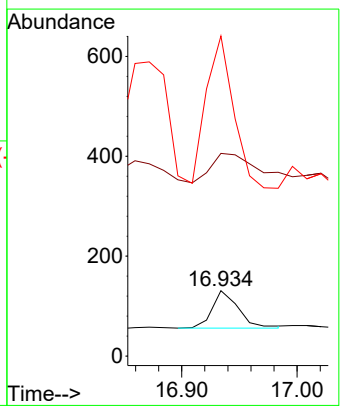


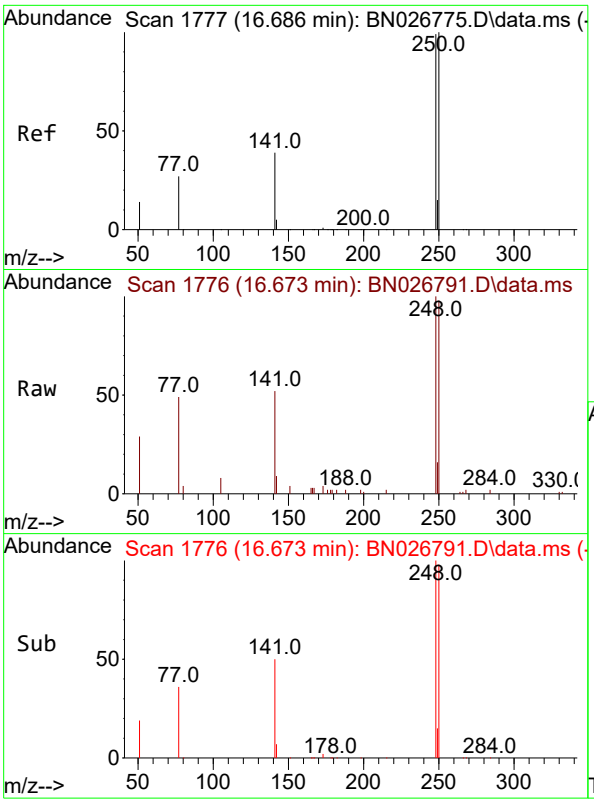


#20
4,6-Dinitro-2-methylphenol
Concen: 0.364 ng
RT: 16.934 min Scan# 1797
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:198 Resp: 119

Ion	Ratio	Lower	Upper
198	100		
51	309.9	150.5	225.7#
105	489.3	165.0	247.6#



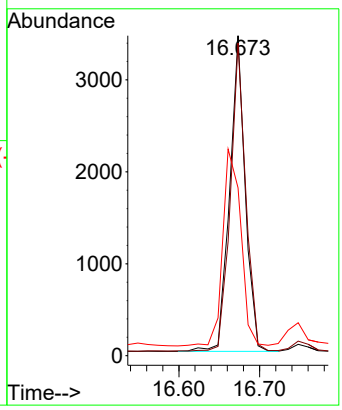


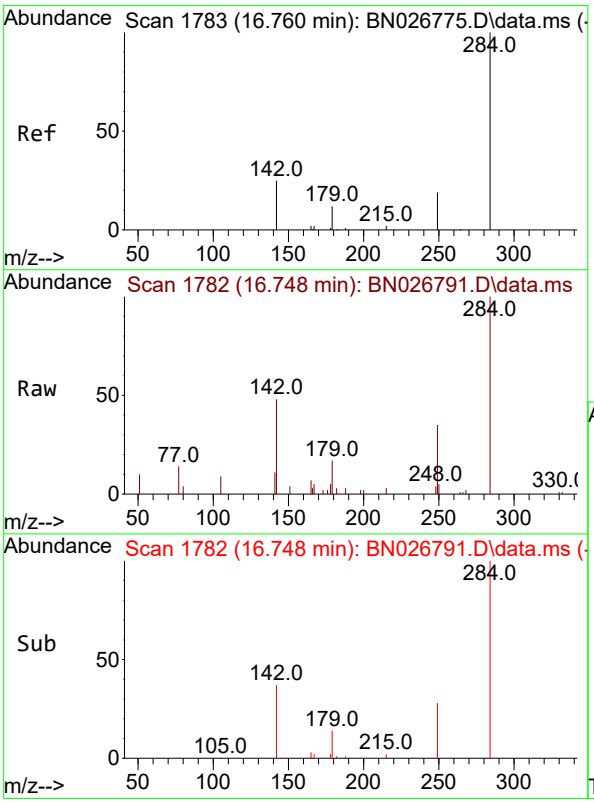
#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 16.673 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 4594

Ion	Ratio	Lower	Upper
248	100		
250	97.7	80.6	121.0
141	52.5	32.6	48.8#

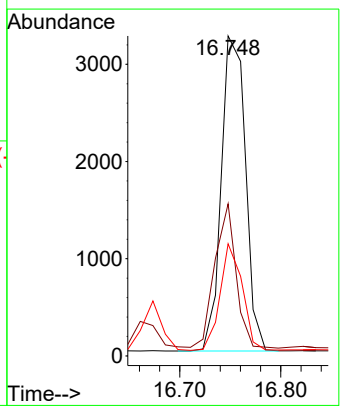


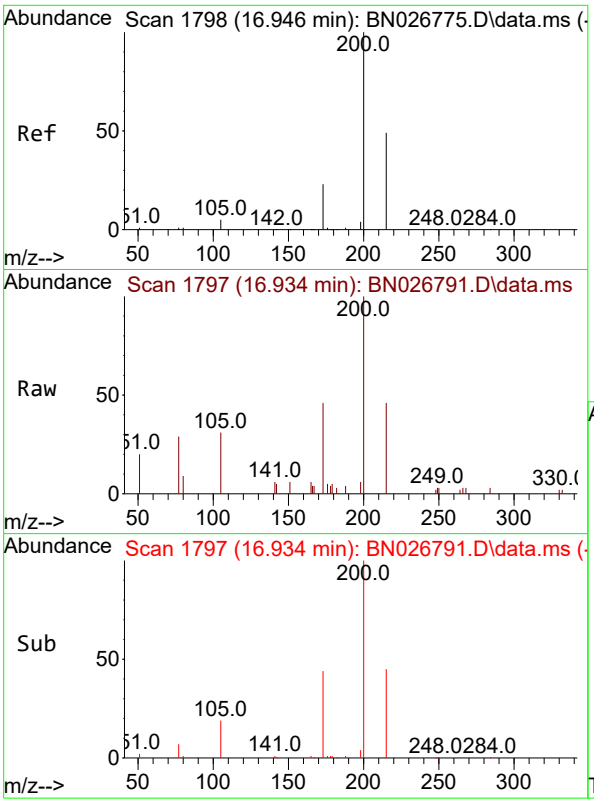


#22
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.748 min Scan# 1782
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:284 Resp: 5405

Ion	Ratio	Lower	Upper
284	100		
142	39.9	32.0	48.0
249	31.1	25.0	37.4



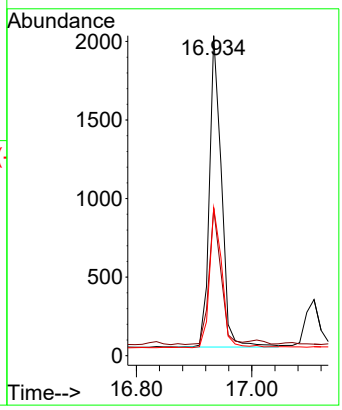


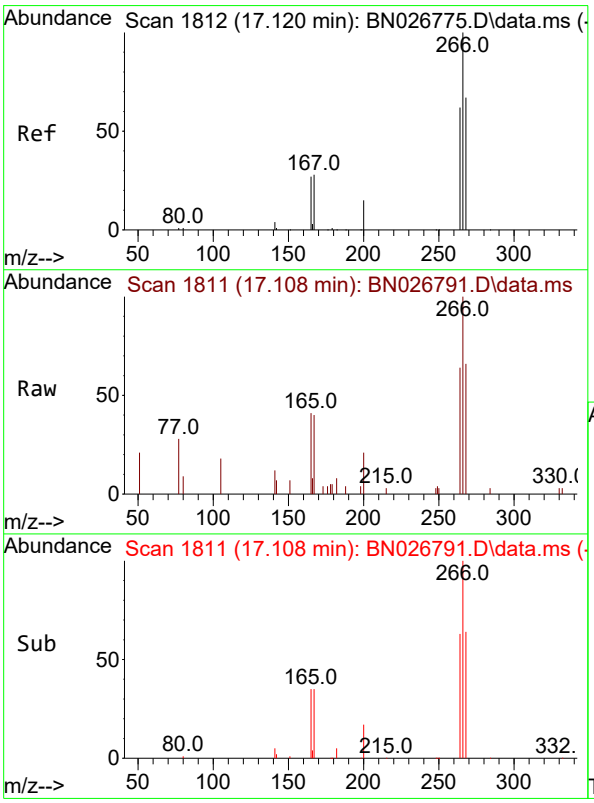
#23
Atrazine
Concen: 0.354 ng
RT: 16.934 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:200 Resp: 2857

Ion	Ratio	Lower	Upper
200	100		
173	45.9	19.2	28.8#
215	46.2	39.8	59.8

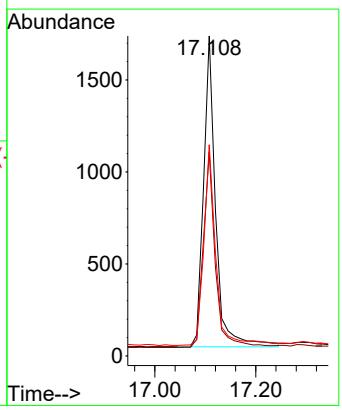


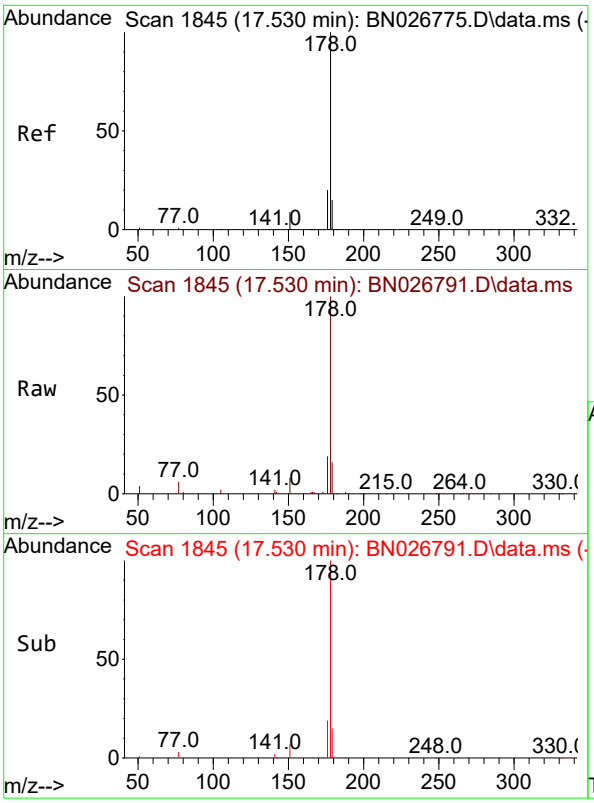


#24
Pentachlorophenol
Concen: 0.787 ng
RT: 17.108 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:266 Resp: 2822

Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.8	76.2
268	63.7	50.8	76.2



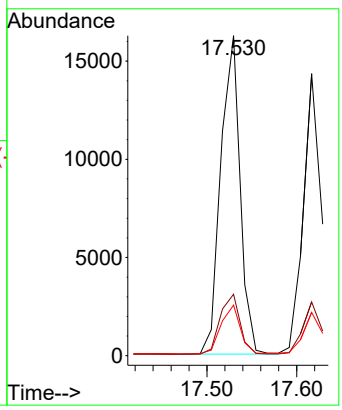


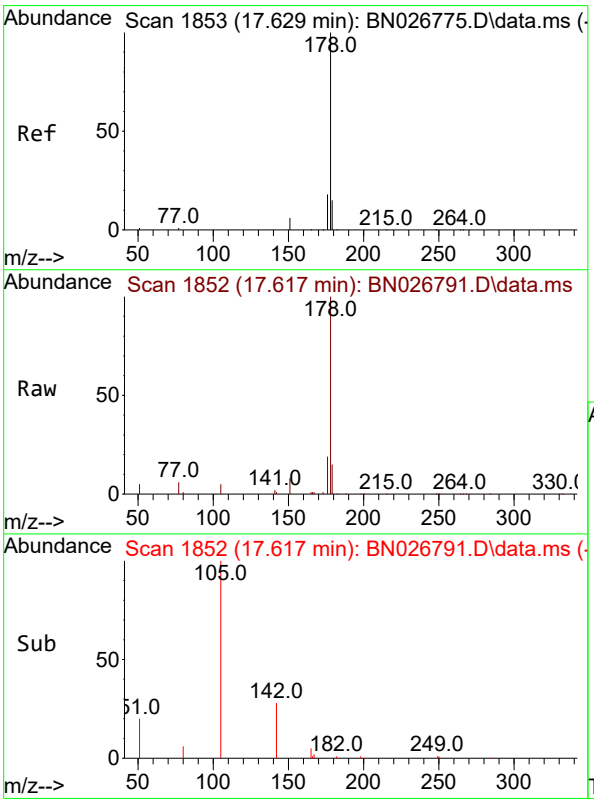
#25
Phenanthrene
Concen: 0.396 ng
RT: 17.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 24315

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.4	12.2	18.2

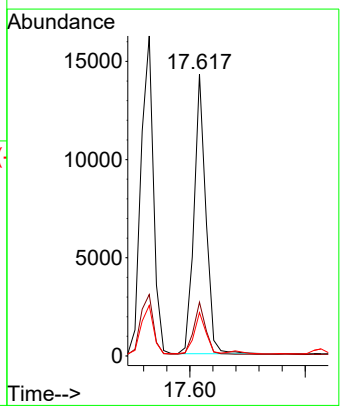


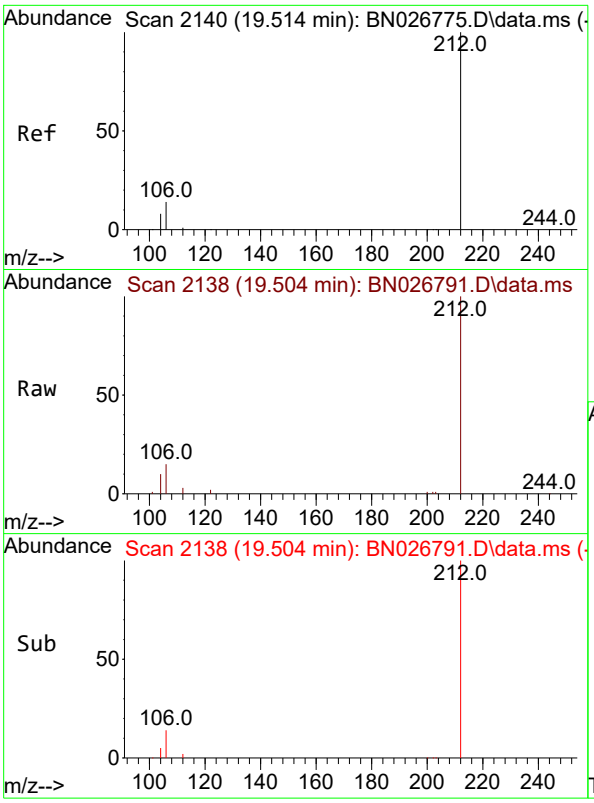


#26
Anthracene
Concen: 0.369 ng
RT: 17.617 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:178 Resp: 20233

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	14.7	12.2	18.2



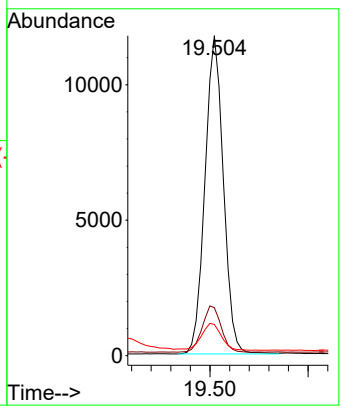


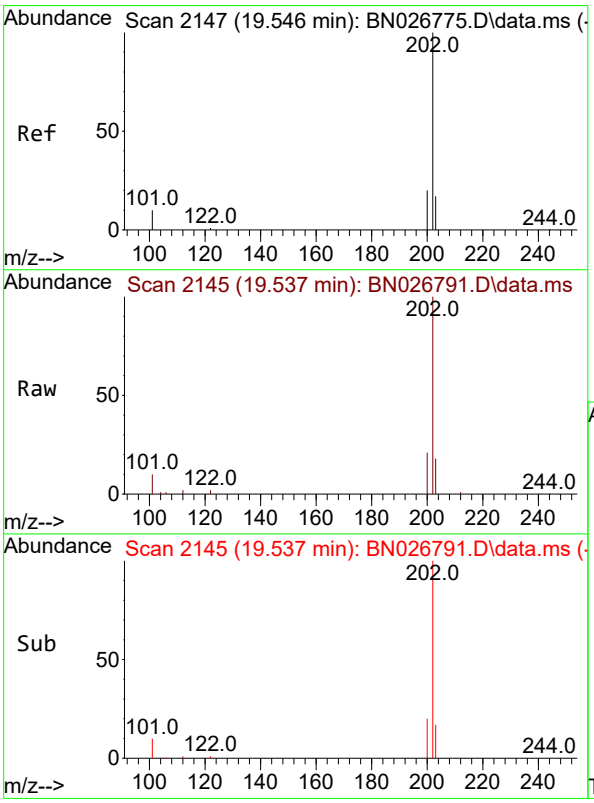
#27
Fluoranthene-d10
Concen: 0.316 ng
RT: 19.504 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 15327

Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.7	17.5
104	9.0	6.4	9.6

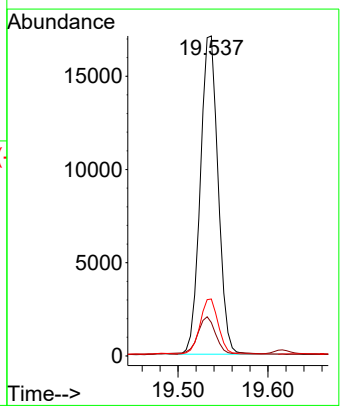


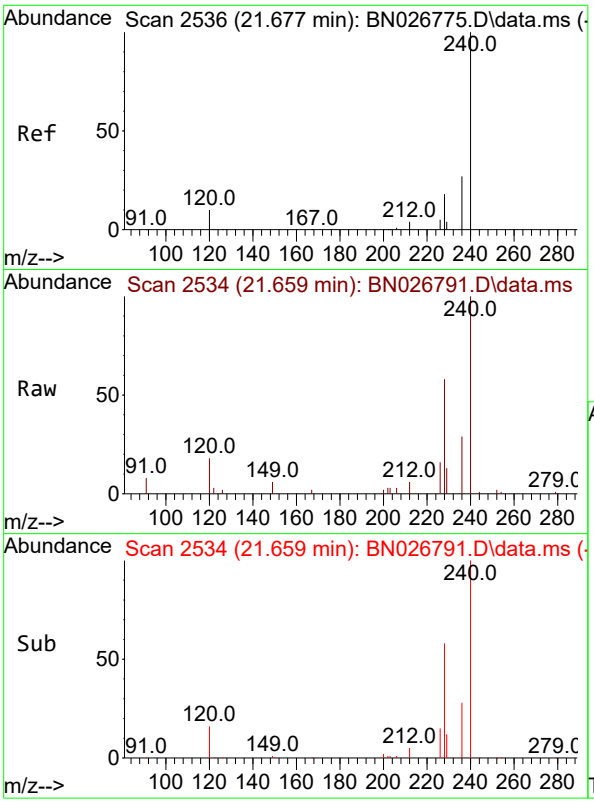


#28
Fluoranthene
Concen: 0.343 ng
RT: 19.537 min Scan# 2145
Delta R.T. -0.009 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:202 Resp: 23474

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.2	13.8
203	17.6	13.7	20.5



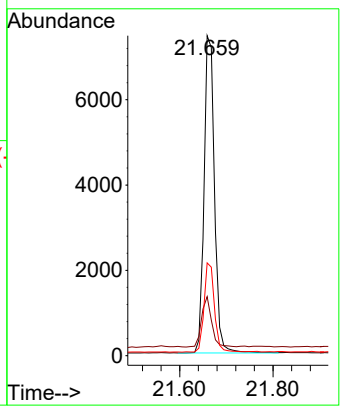


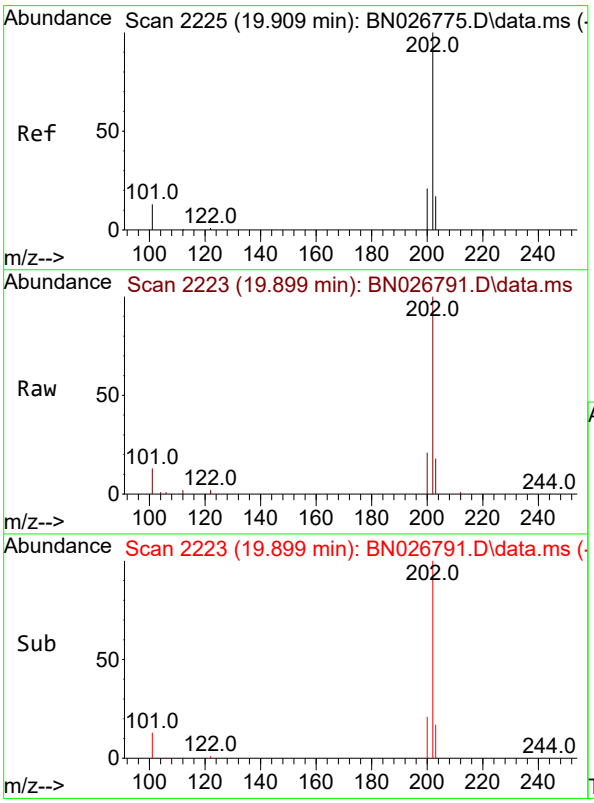
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 11588

Ion	Ratio	Lower	Upper
240	100		
120	18.5	9.2	13.8#
236	29.0	21.9	32.9

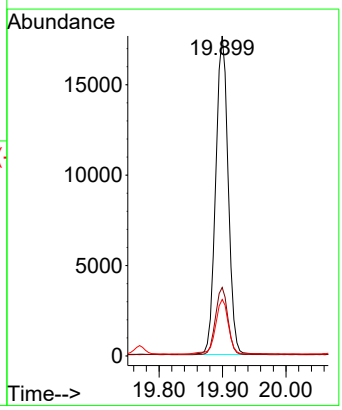


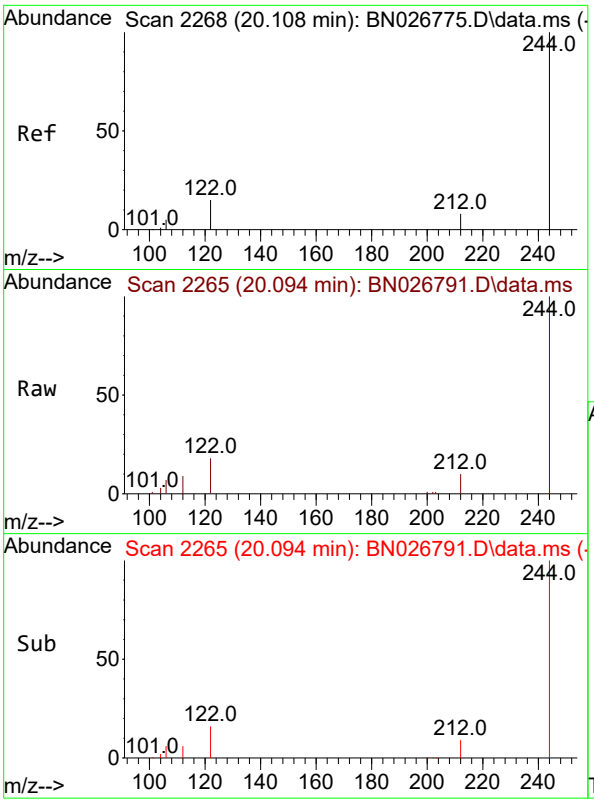


#30
Pyrene
Concen: 0.480 ng
RT: 19.899 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:202 Resp: 24035

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.6	14.2	21.2



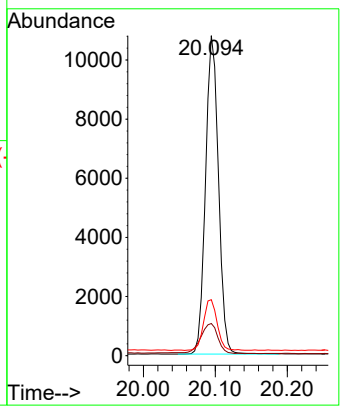


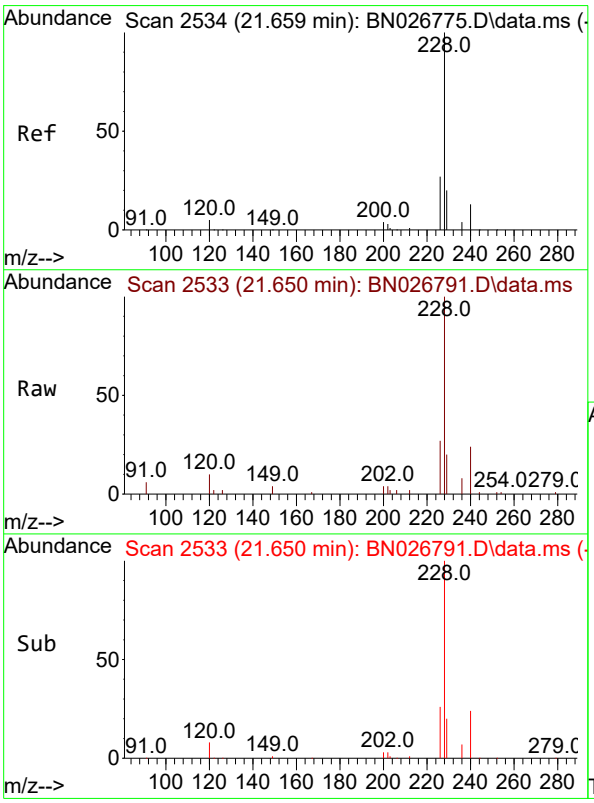
#31
Terphenyl-d14
Concen: 0.555 ng
RT: 20.094 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 13403

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.0	10.4
122	17.5	12.3	18.5

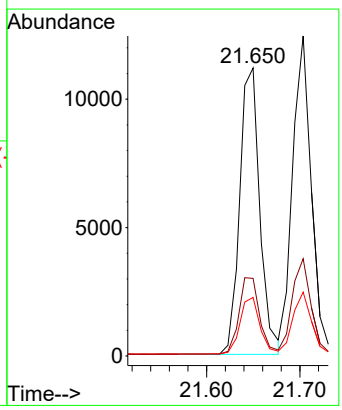


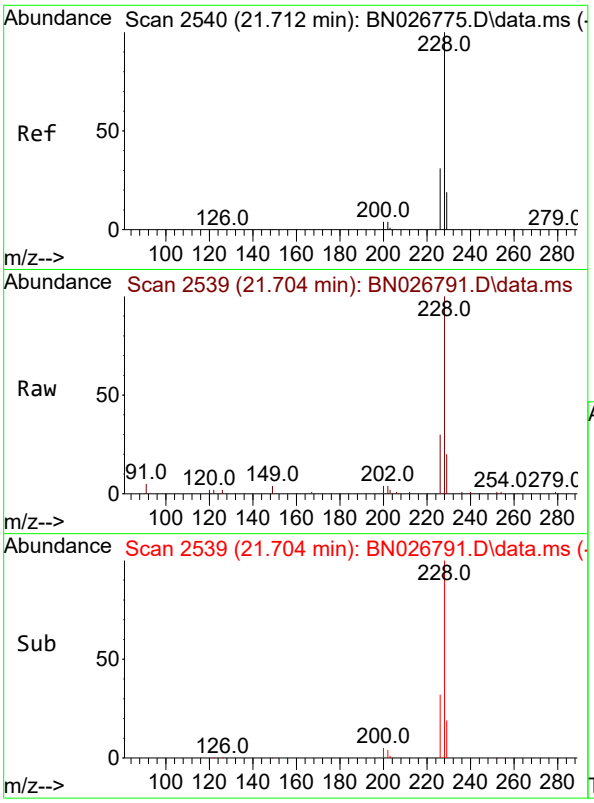


#32
Benzo(a)anthracene
Concen: 0.421 ng
RT: 21.650 min Scan# 2533
Delta R.T. -0.009 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:228 Resp: 16750

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.9	32.9
229	20.4	15.8	23.8



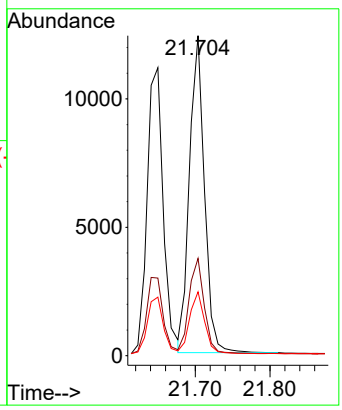


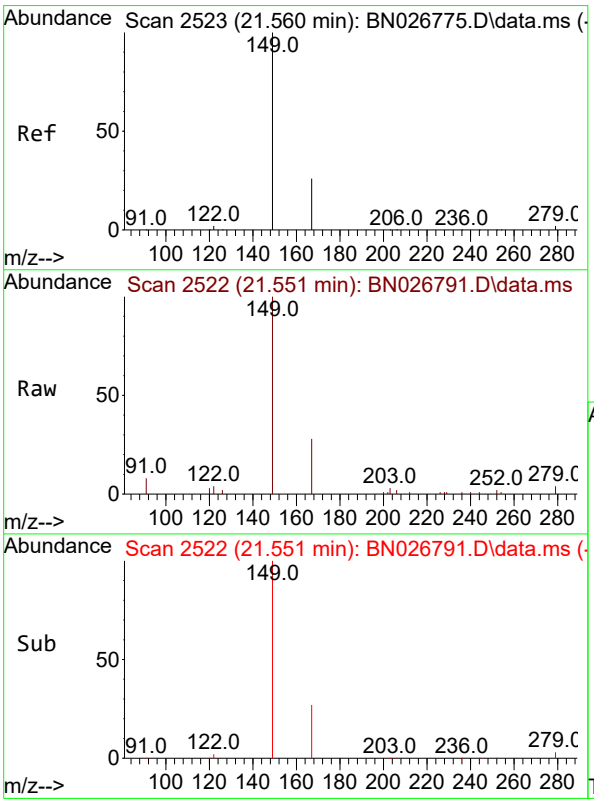
#33
Chrysene
Concen: 0.393 ng
RT: 21.704 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 17270

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	36.8
229	19.9	15.4	23.2

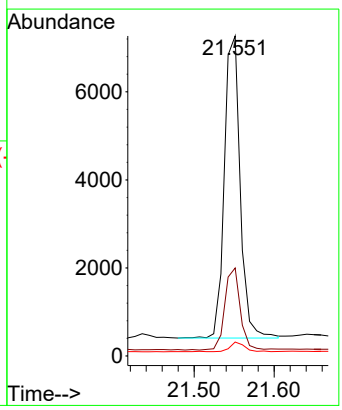


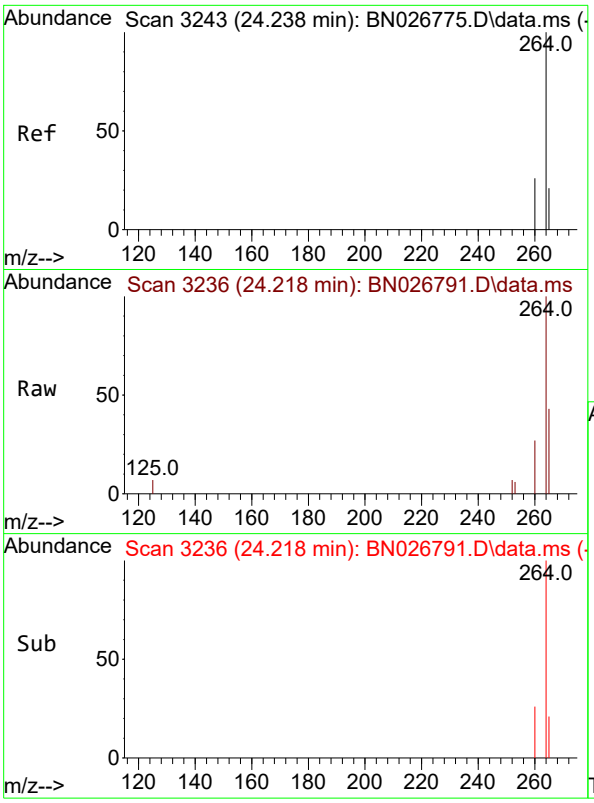


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.719 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.009 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:149 Resp: 9474

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.8	31.2
279	2.9	2.4	3.6



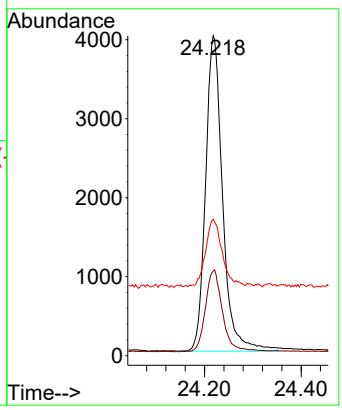


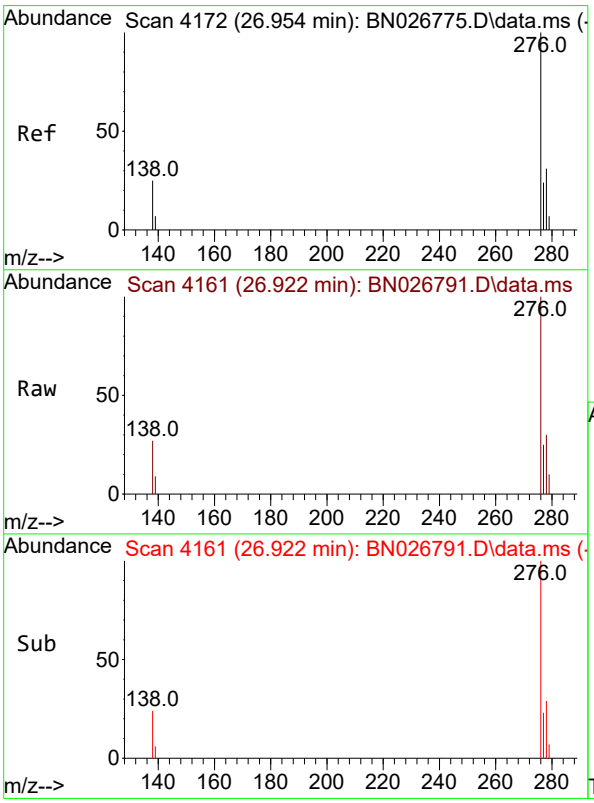
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.218 min Scan# 3
Delta R.T. -0.020 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 9769

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.0	31.6
265	42.7	22.6	33.8#

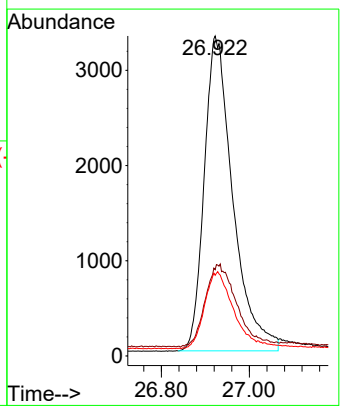


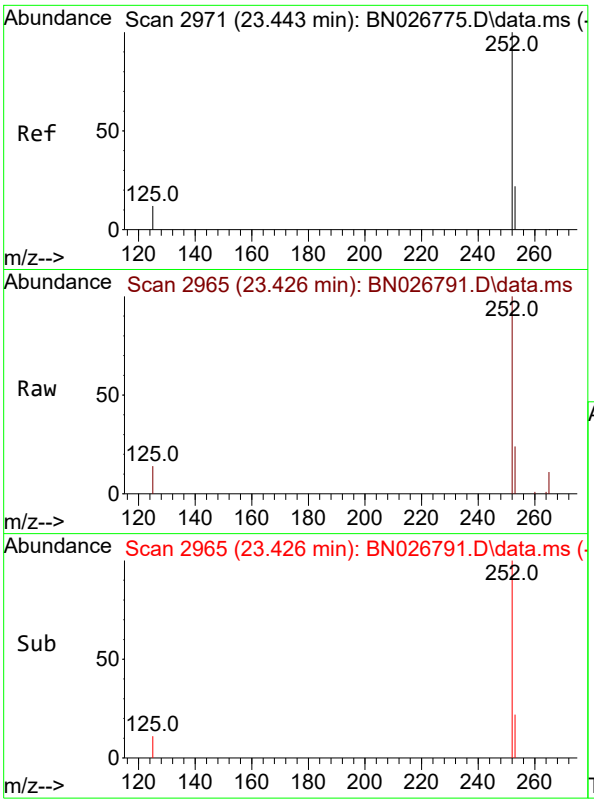


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 26.922 min Scan# 4161
Delta R.T. -0.032 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:276 Resp: 14977

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.8	34.2
277	24.9	19.9	29.9



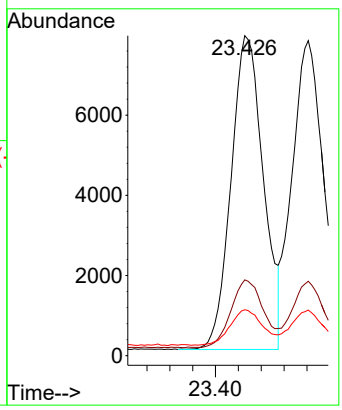


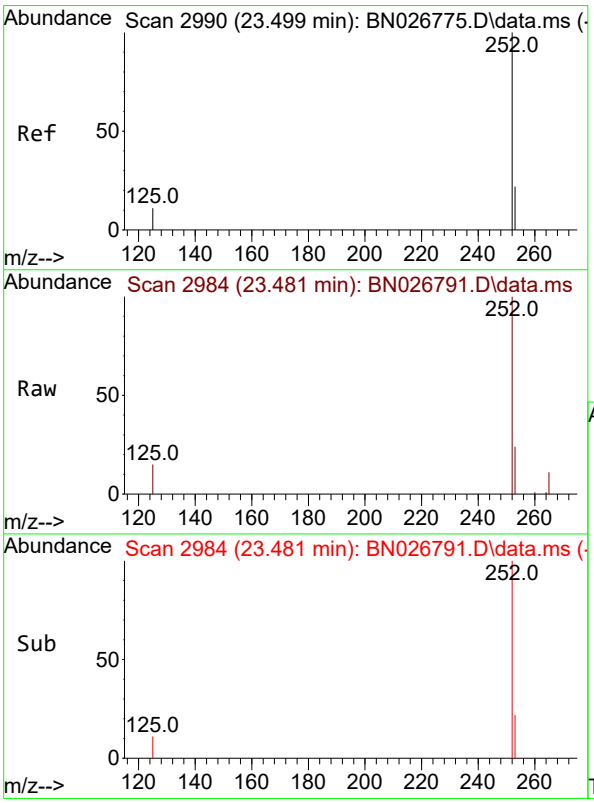
#37
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 23.426 min Scan# 2
Delta R.T. -0.017 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 15375

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	14.4	10.8	16.2

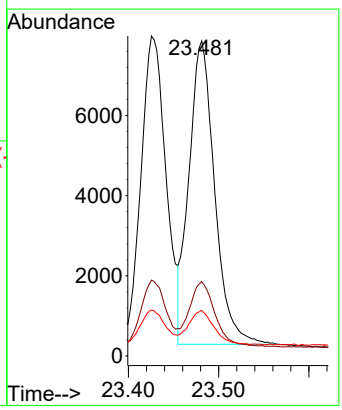


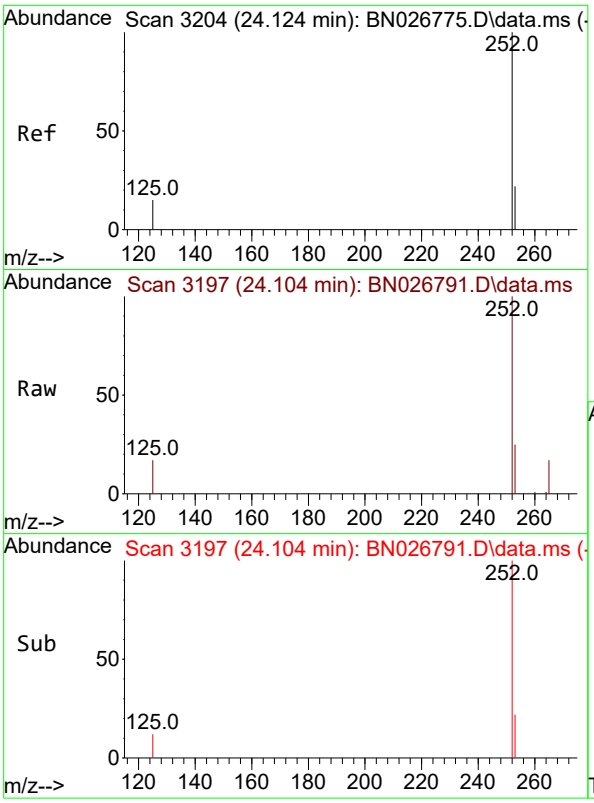


#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 23.481 min Scan# 2984
Delta R.T. -0.018 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:252 Resp: 14972

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	14.5	9.4	14.2#



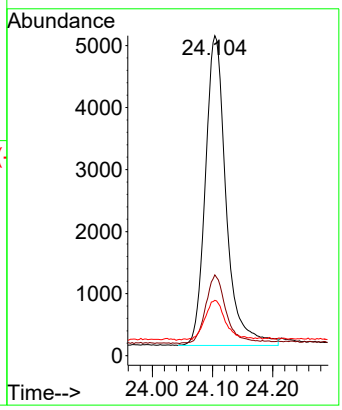


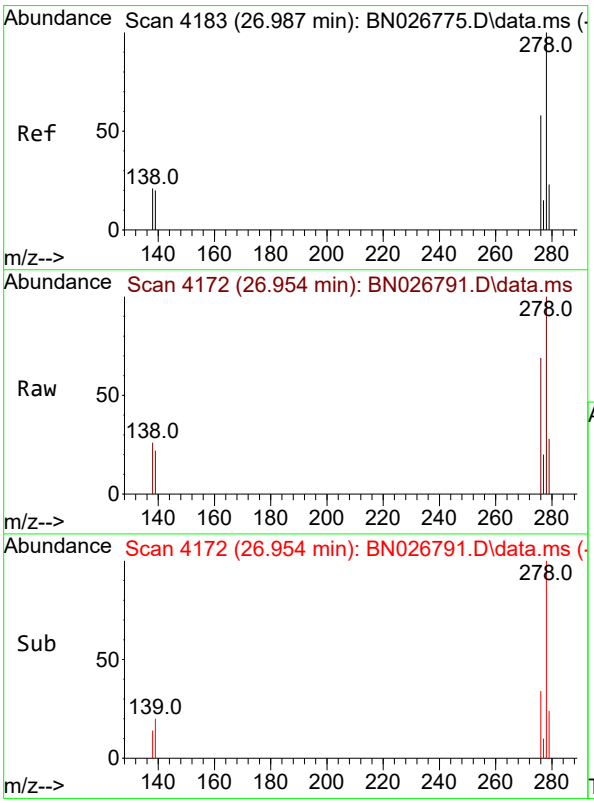
#39
Benzo(a)pyrene
Concen: 0.341 ng
RT: 24.104 min Scan# 3
Delta R.T. -0.020 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 11963

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.5	27.7
125	17.3	12.7	19.1

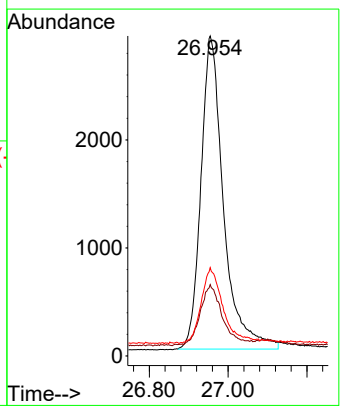


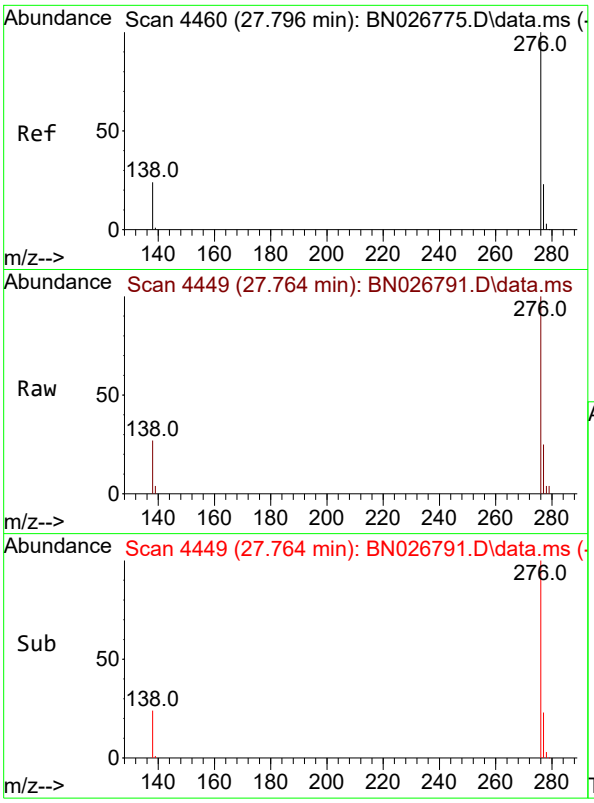


#40
Dibenzo(a,h)anthracene
Concen: 0.372 ng
RT: 26.954 min Scan# 4172
Delta R.T. -0.032 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Tgt Ion:278 Resp: 11533

Ion	Ratio	Lower	Upper
278	100		
139	22.3	16.8	25.2
279	27.6	19.5	29.3





#41
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 27.764 min Scan# 44
Delta R.T. -0.032 min
Lab File: BN026791.D
Acq: 02 Aug 2023 10:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 14274

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	26.8	19.8	29.6