Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051923\
Data File : BN025515.D
Acq On : 20 May 2023 09:23
Operator : CG/JU
Sample : PB152883BSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Quant Time: May 22 01:58:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 22 01:54:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.070	152	4460	0.400	ng		0.00
7) Naphthalene-d8	10.889	136	13107	0.400	ng		# 0.00
13) Acenaphthene-d10	14.694	164	7721	0.400	ng		-0.01
19) Phenanthrene-d10	17.435	188	17249	0.400	ng		# 0.00
29) Chrysene-d12	21.625	240	12768	0.400	ng		0.00
35) Perylene-d12	24.144	264	12587	0.400	ng		# 0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.607	112	4837	0.480	ng		0.00
5) Phenol-d6	7.218	99	6187	0.479	ng		0.00
8) Nitrobenzene-d5	9.234	82	5214	0.498	ng		0.00
11) 2-Methylnaphthalene-d10	12.468	152	8992	0.493	ng		0.00
14) 2,4,6-Tribromophenol	16.181	330	1423	0.473	ng		0.00
15) 2-Fluorobiphenyl	13.326	172	15582	0.527	ng		-0.01
27) Fluoranthene-d10	19.465	212	18769	0.471	ng		0.00
31) Terphenyl-d14	20.058	244	11285	0.497	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.455	88	2323	0.511	ng		98
3) n-Nitrosodimethylamine	3.787	42	2440	0.487	ng	#	88
6) bis(2-Chloroethyl)ether	7.485	93	6448	0.513	ng		98
9) Naphthalene	10.942	128	16688	0.500	ng		99
10) Hexachlorobutadiene	11.230	225	3006	0.475	ng	#	99
12) 2-Methylnaphthalene	12.544	142	12019	0.498	ng		99
16) Acenaphthylene	14.416	152	17618	0.500	ng		100
17) Acenaphthene	14.758	154	12235	0.526	ng		99
18) Fluorene	15.735	166	15168	0.527	ng		100
20) 4,6-Dinitro-2-methylph...	15.809	198	1866	0.520	ng	#	78
21) 4-Bromophenyl-phenylether	16.628	248	4975	0.490	ng	#	87
22) Hexachlorobenzene	16.752	284	4563	0.481	ng		95
23) Atrazine	16.889	200	3827	0.463	ng	#	93
24) Pentachlorophenol	17.087	266	2013	0.421	ng		98
25) Phenanthrene	17.485	178	25553	0.506	ng		100
26) Anthracene	17.572	178	23400	0.495	ng		100
28) Fluoranthene	19.494	202	27928	0.486	ng		100
30) Pyrene	19.857	202	28085	0.551	ng		100
32) Benzo(a)anthracene	21.607	228	23802	0.515	ng		99
33) Chrysene	21.661	228	24773	0.540	ng		100
34) Bis(2-ethylhexyl)phtha...	21.527	149	14061	0.517	ng		99
36) Indeno(1,2,3-cd)pyrene	26.787	276	24828	0.487	ng		98
37) Benzo(b)fluoranthene	23.363	252	23711	0.508	ng		97
38) Benzo(k)fluoranthene	23.419	252	24238	0.508	ng		100
39) Benzo(a)pyrene	24.021	252	21165	0.481	ng	#	95
40) Dibenzo(a,h)anthracene	26.813	278	20382	0.499	ng		97
41) Benzo(g,h,i)perylene	27.594	276	20178	0.469	ng		98

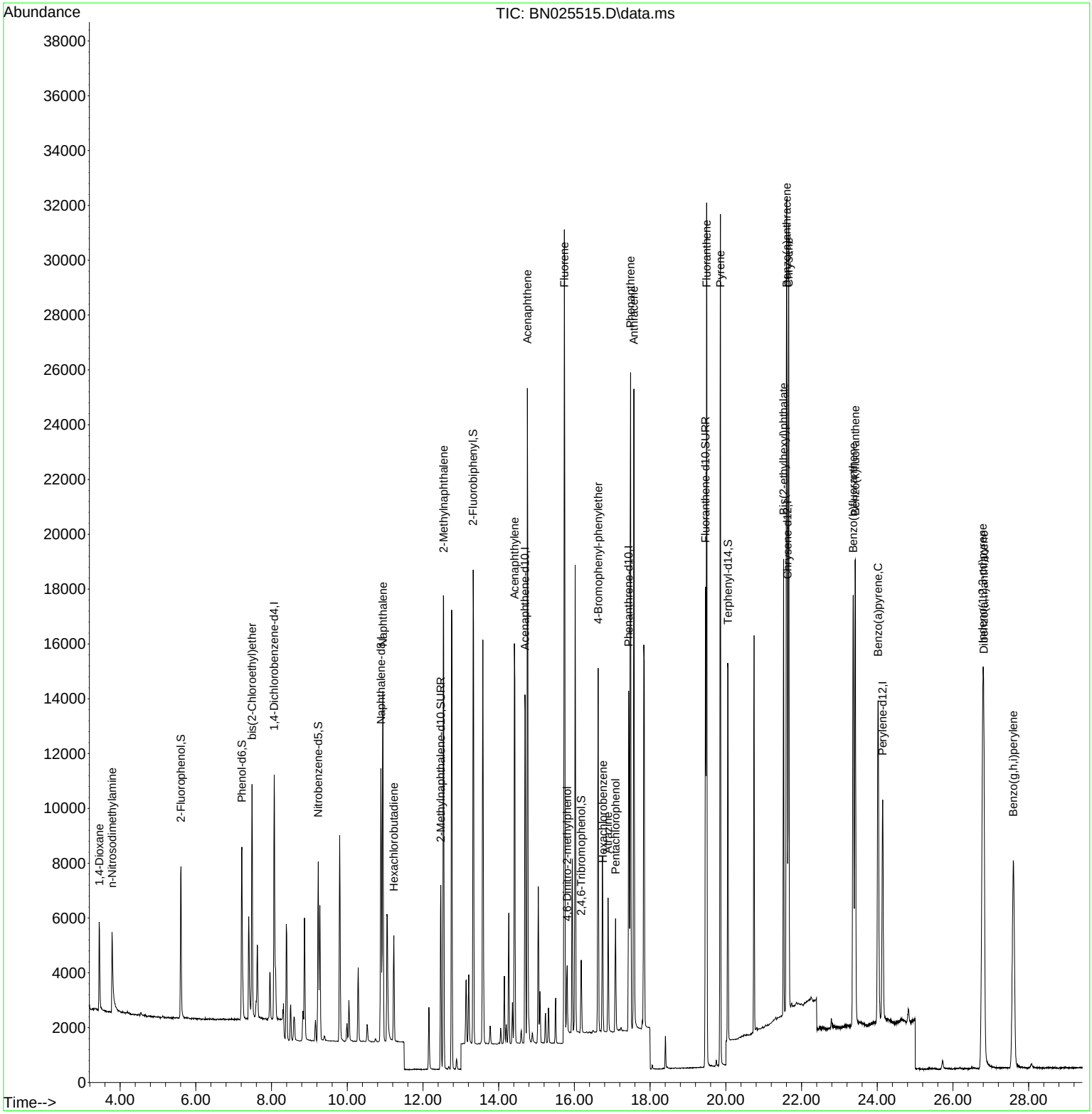
(#) = qualifier out of range (m) = manual integration (+) = signals summed

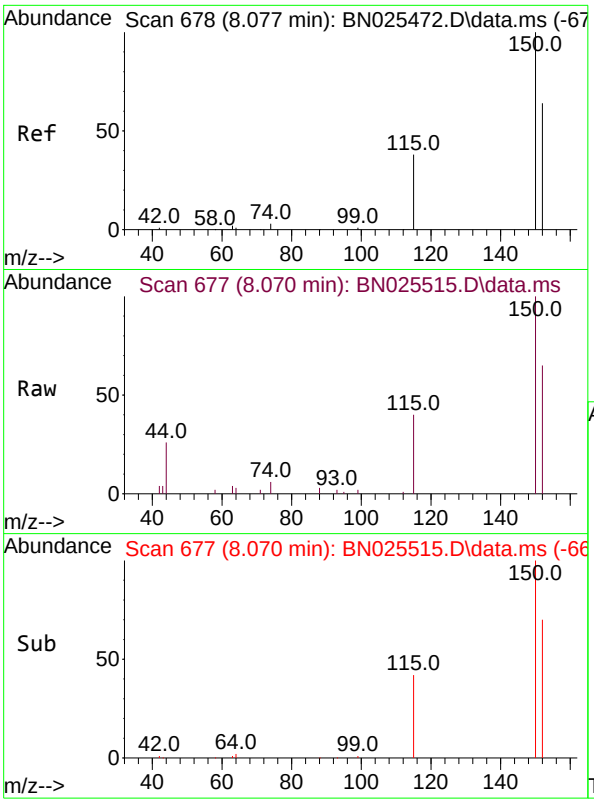
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051923\
Data File : BN025515.D
Acq On : 20 May 2023 09:23
Operator : CG/JU
Sample : PB152883BSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Quant Time: May 22 01:58:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 22 01:54:38 2023
Response via : Initial Calibration



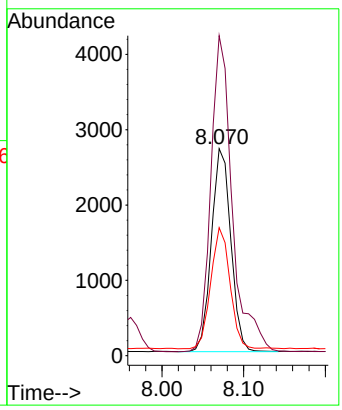


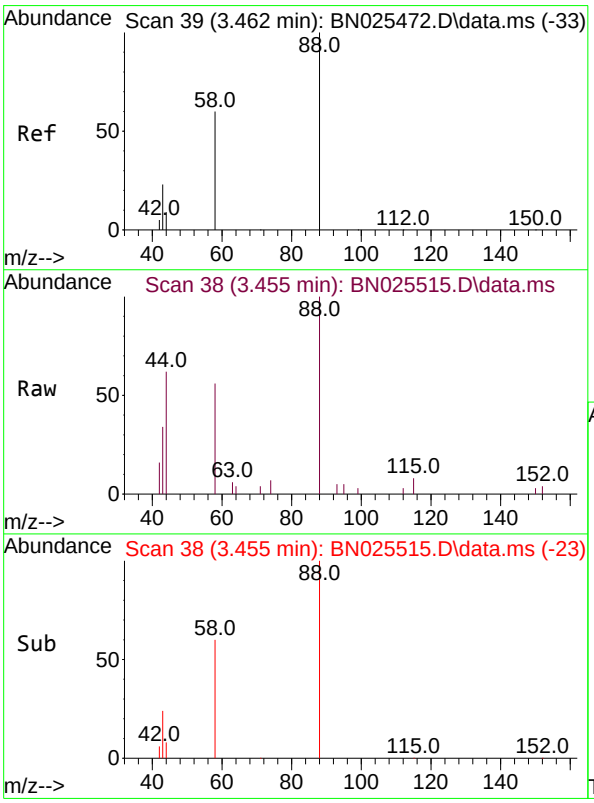
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.070 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:152 Resp: 4460

Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.3	187.9
115	61.8	50.2	75.2

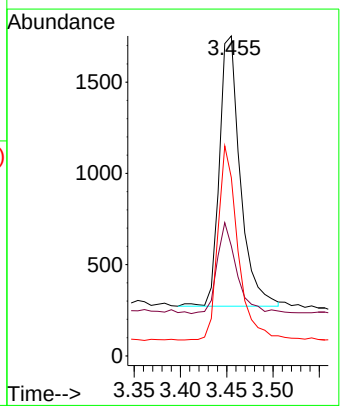


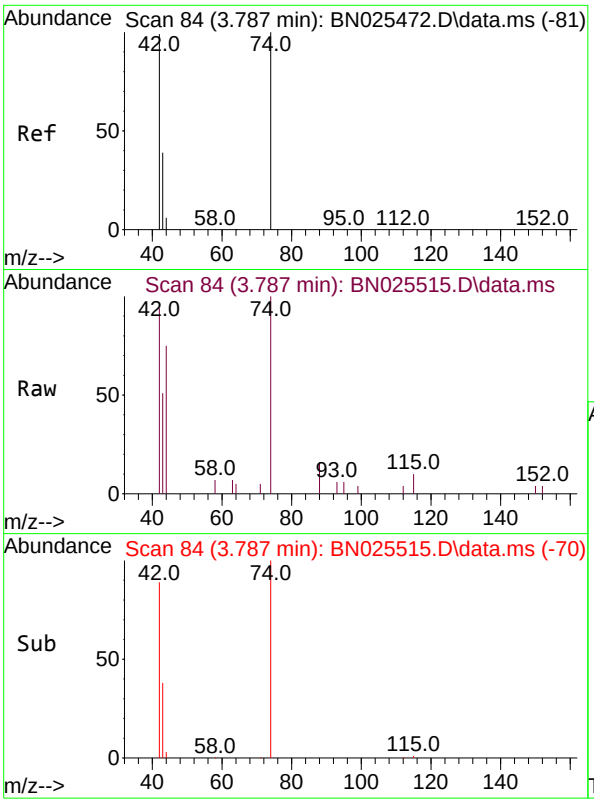


#2
1,4-Dioxane
Concen: 0.511 ng
RT: 3.455 min Scan# 38
Delta R.T. 0.007 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion: 88 Resp: 2323

Ion	Ratio	Lower	Upper
88	100		
43	31.7	23.8	35.6
58	68.1	55.1	82.7



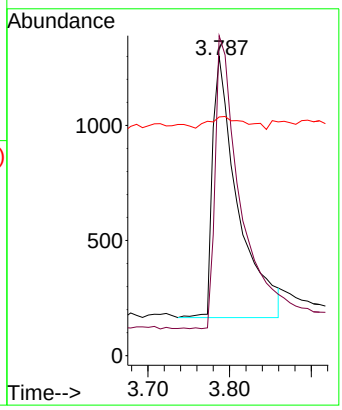


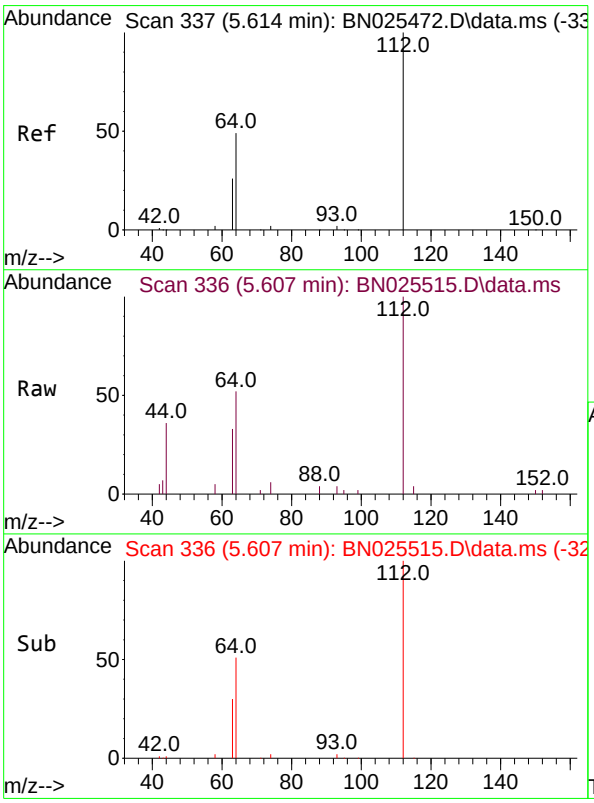
#3
n-Nitrosodimethylamine
Concen: 0.487 ng
RT: 3.787 min Scan# 84
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion: 42 Resp: 2440

Ion	Ratio	Lower	Upper
42	100		
74	111.7	100.2	150.4
44	6.8	8.6	12.8#

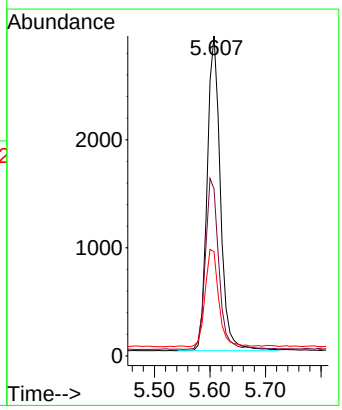


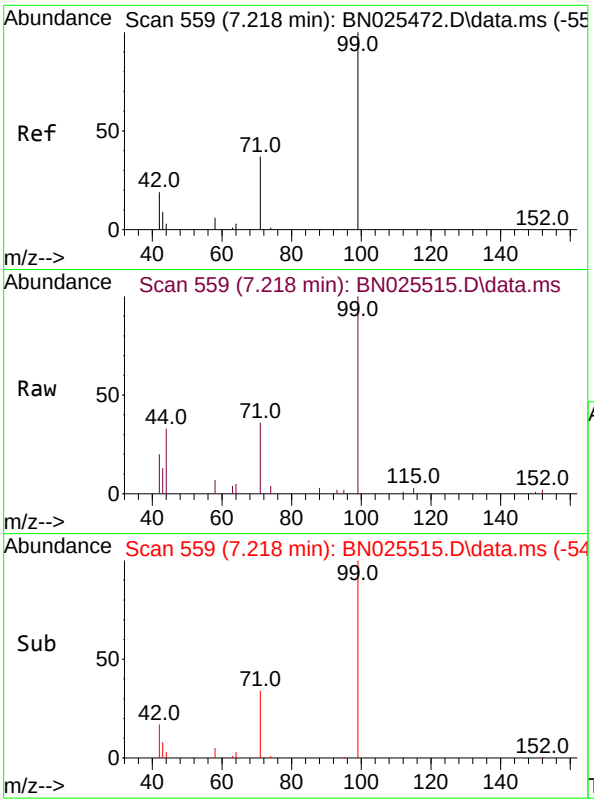


#4
2-Fluorophenol
Concen: 0.480 ng
RT: 5.607 min Scan# 336
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:112 Resp: 4837

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.0	66.0
63	31.8	24.0	36.0



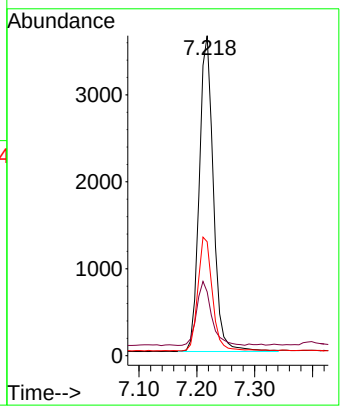


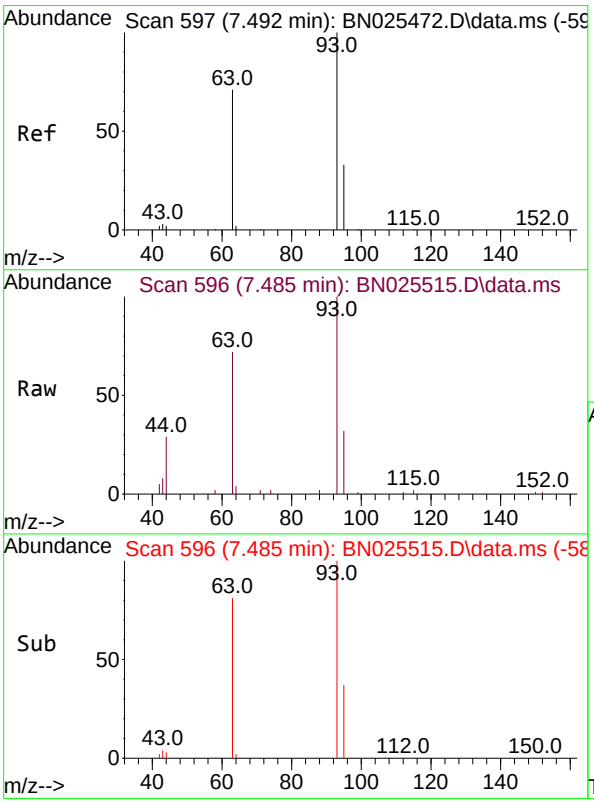
#5
Phenol-d6
Concen: 0.479 ng
RT: 7.218 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion: 99 Resp: 6187

Ion	Ratio	Lower	Upper
99	100		
42	21.1	15.8	23.8
71	37.4	28.6	43.0

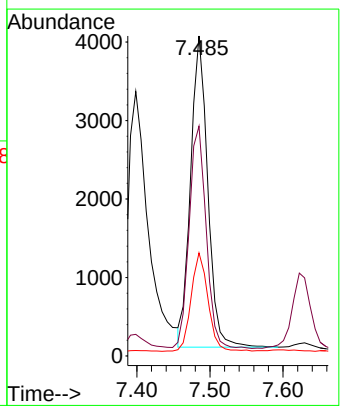


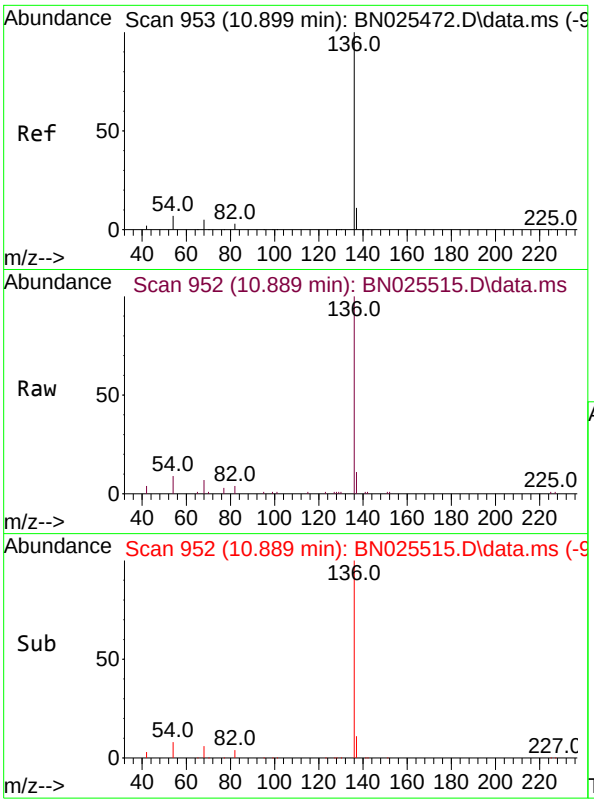


#6
bis(2-Chloroethyl)ether
Concen: 0.513 ng
RT: 7.485 min Scan# 596
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion: 93 Resp: 6448

Ion	Ratio	Lower	Upper
93	100		
63	71.2	55.8	83.6
95	31.2	25.7	38.5



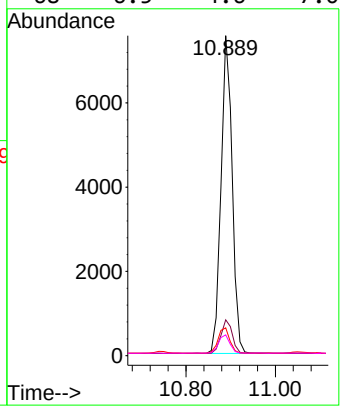


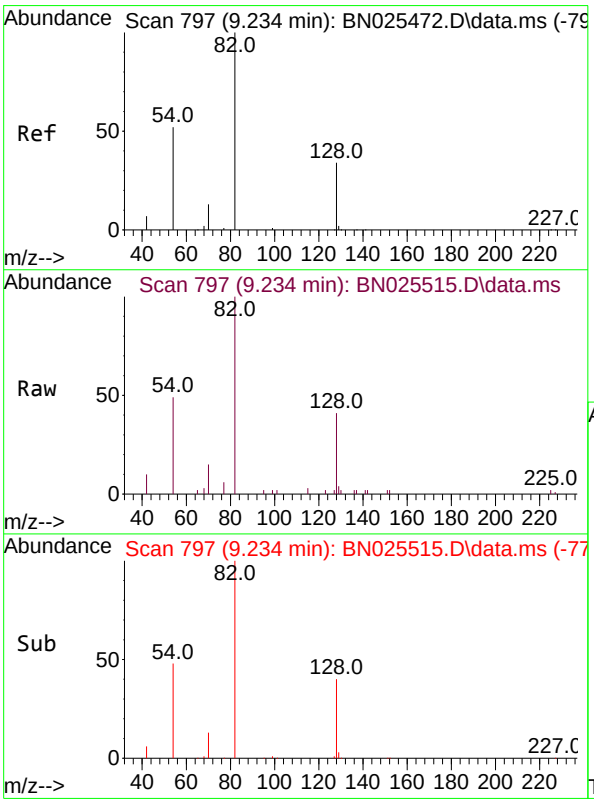
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.889 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:136 Resp: 13107

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.7	5.8	8.6#
68	6.5	4.6	7.0

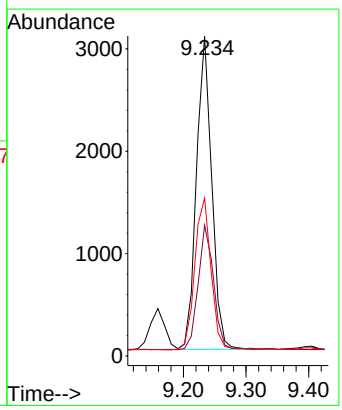


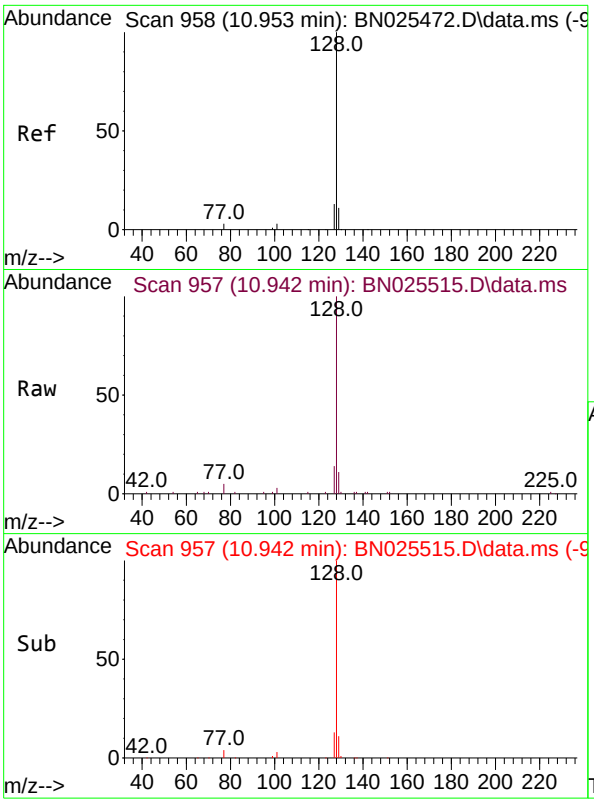


#8
Nitrobenzene-d5
Concen: 0.498 ng
RT: 9.234 min Scan# 797
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion: 82 Resp: 5214

Ion	Ratio	Lower	Upper
82	100		
128	40.9	27.9	41.9
54	49.3	42.4	63.6



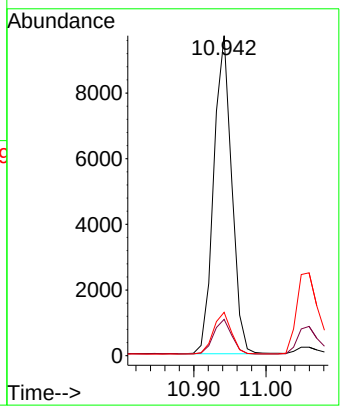


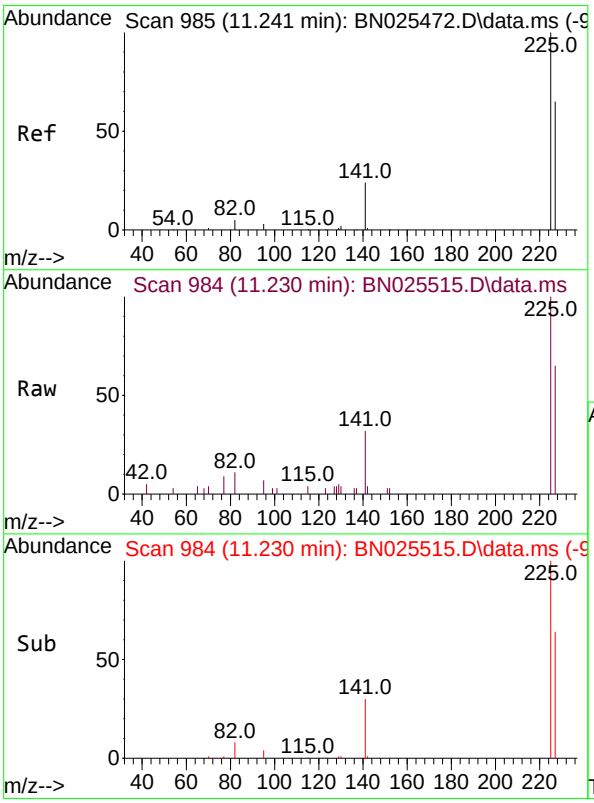
#9
Naphthalene
Concen: 0.500 ng
RT: 10.942 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:128 Resp: 16688

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.5	10.4	15.6

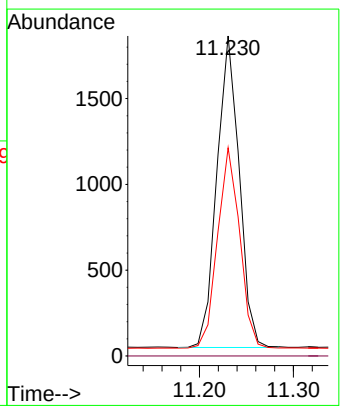


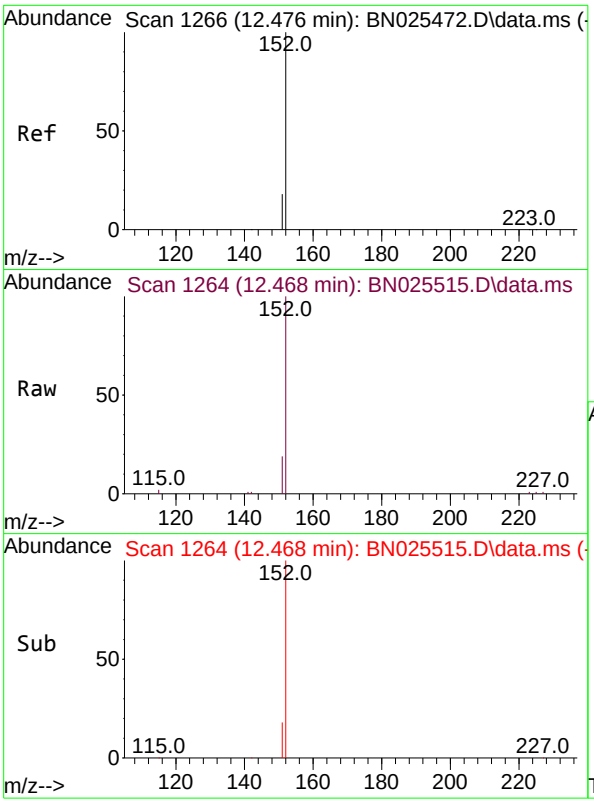


#10
Hexachlorobutadiene
Concen: 0.475 ng
RT: 11.230 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:225 Resp: 3006

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.4	77.2



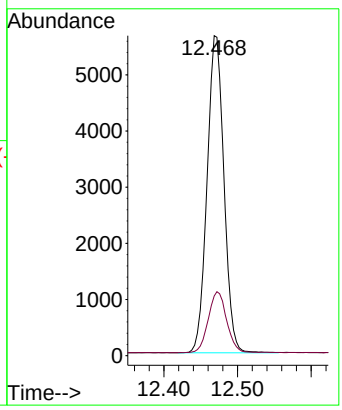


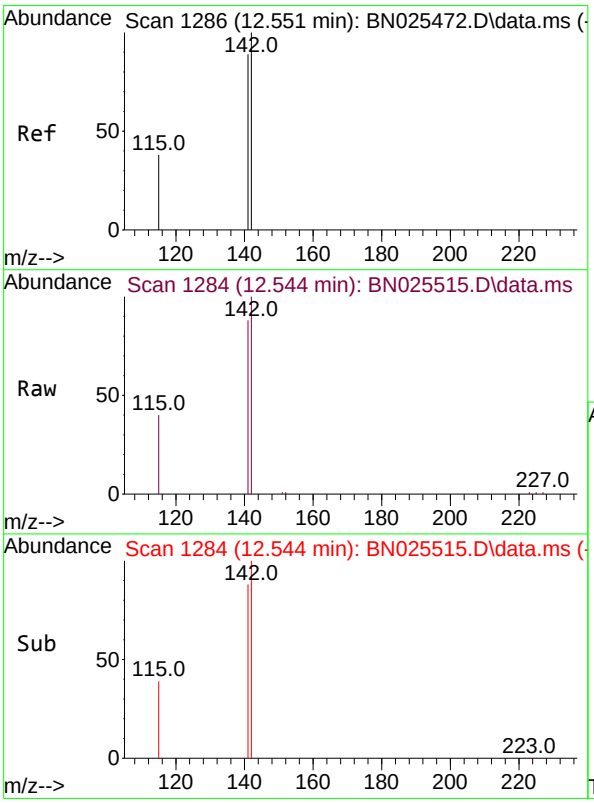
#11
2-Methylnaphthalene-d10
Concen: 0.493 ng
RT: 12.468 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:152 Resp: 8992

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	24.8

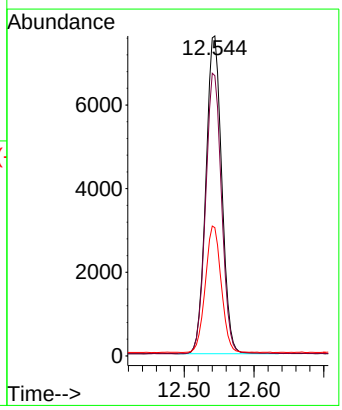


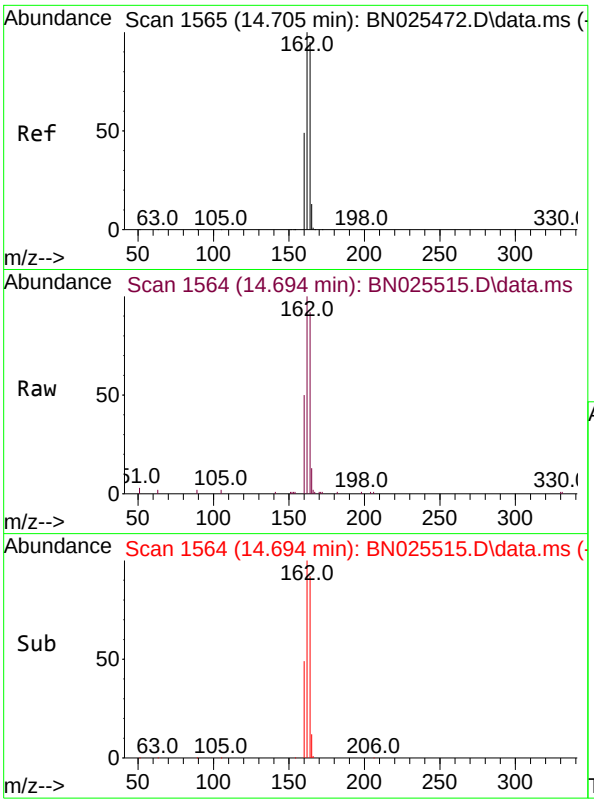


#12
2-Methylnaphthalene
Concen: 0.498 ng
RT: 12.544 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:142 Resp: 12019

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.1	106.7
115	40.1	31.3	46.9



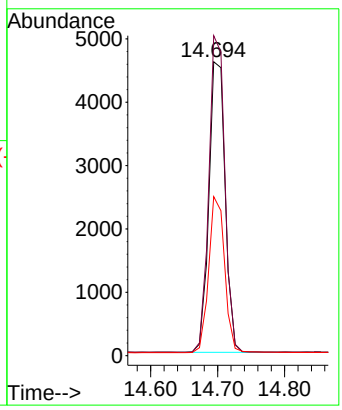


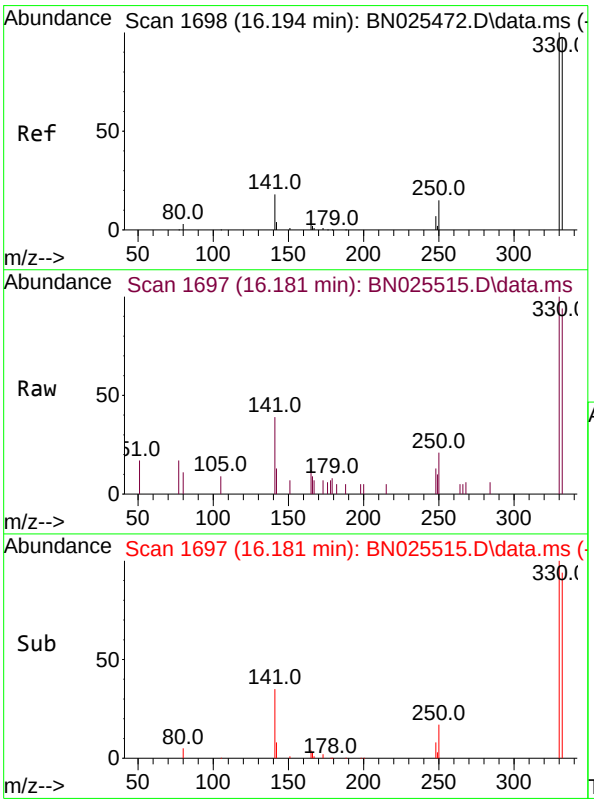
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:164 Resp: 7721

Ion	Ratio	Lower	Upper
164	100		
162	108.9	84.2	126.2
160	54.1	41.4	62.2

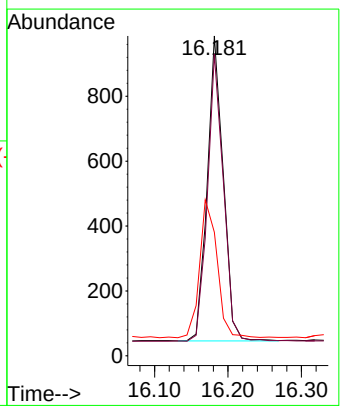


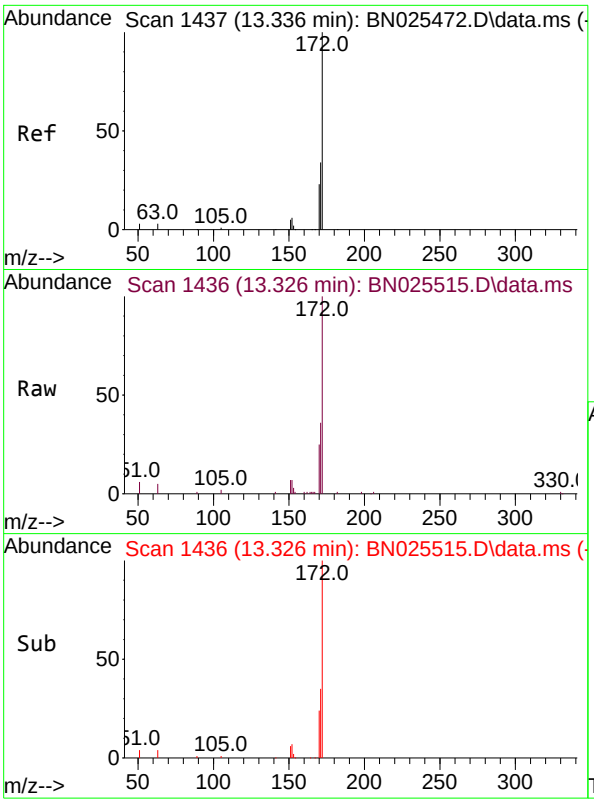


#14
2,4,6-Tribromophenol
Concen: 0.473 ng
RT: 16.181 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:330 Resp: 1423

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.1	114.1
141	49.3	36.1	54.1



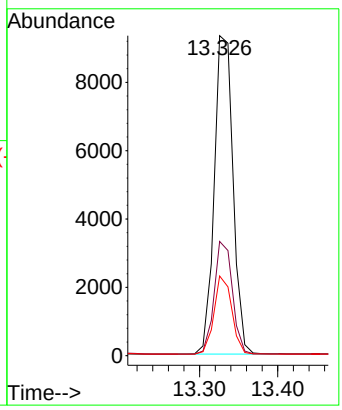


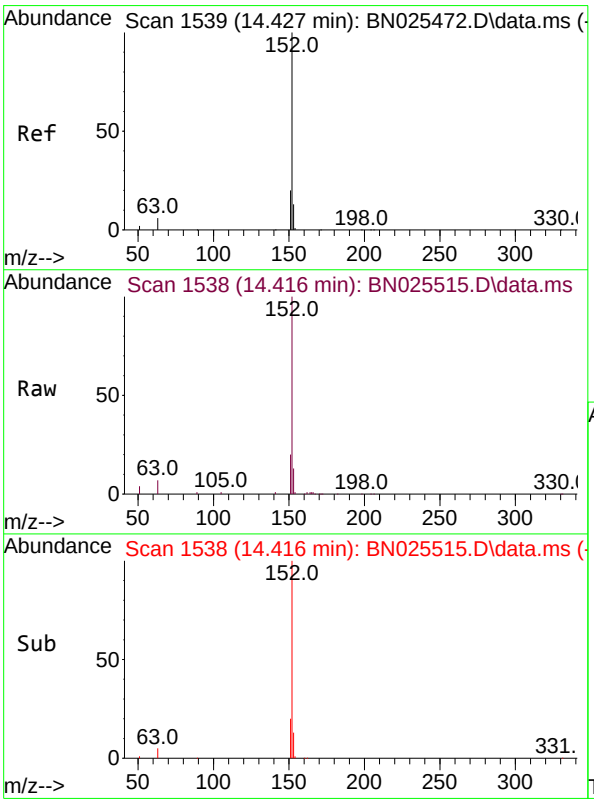
#15
2-Fluorobiphenyl
Concen: 0.527 ng
RT: 13.326 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:172 Resp: 15582

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.6	41.4
170	24.9	18.9	28.3

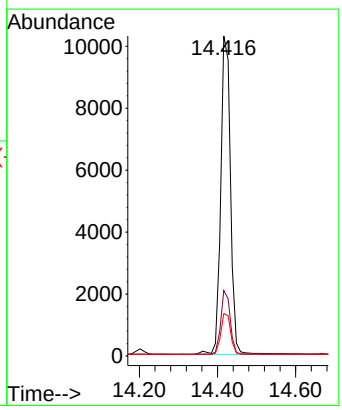


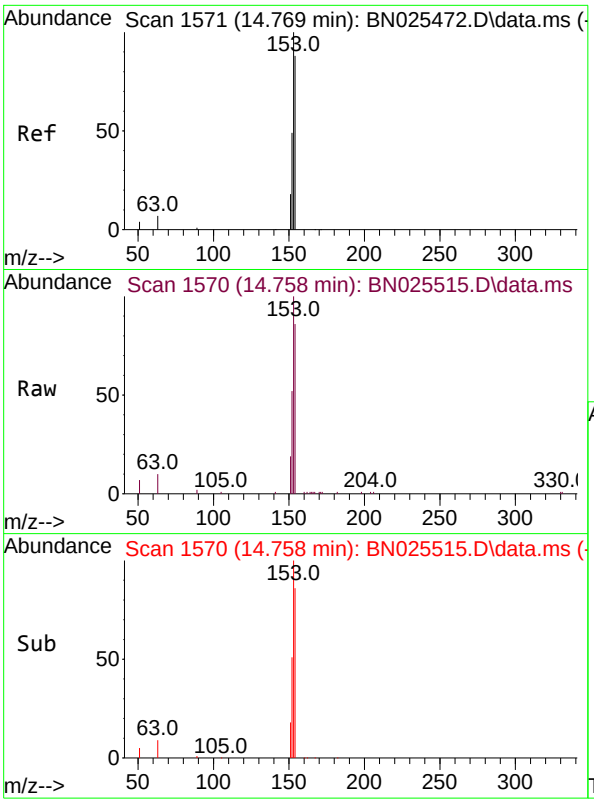


#16
Acenaphthylene
Concen: 0.500 ng
RT: 14.416 min Scan# 1538
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:152 Resp: 17618

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.0	10.3	15.5



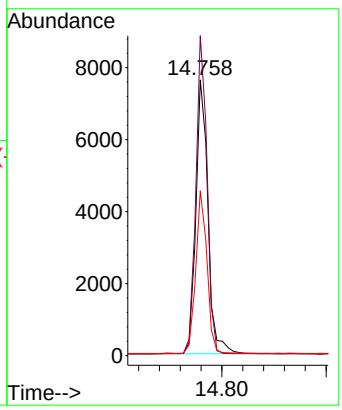


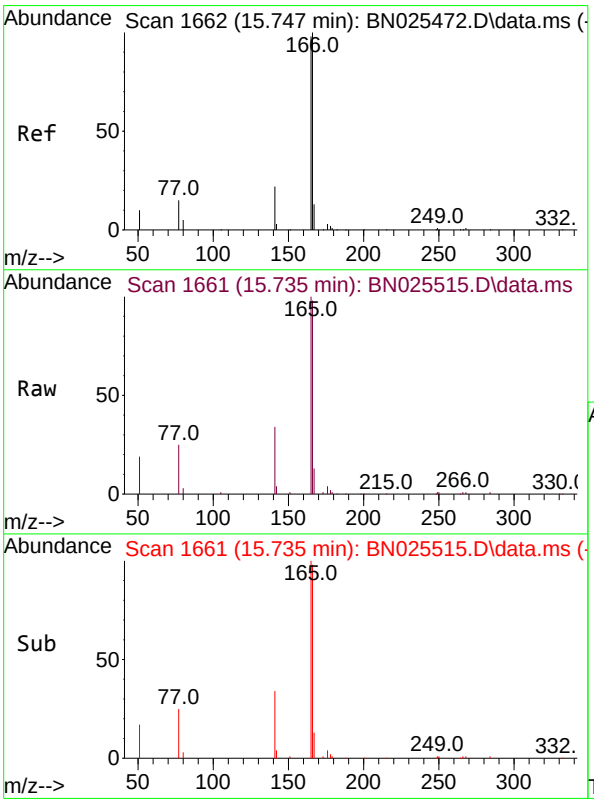
#17
Acenaphthene
Concen: 0.526 ng
RT: 14.758 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:154 Resp: 12235

Ion	Ratio	Lower	Upper
154	100		
153	108.3	86.9	130.3
152	55.7	43.9	65.9

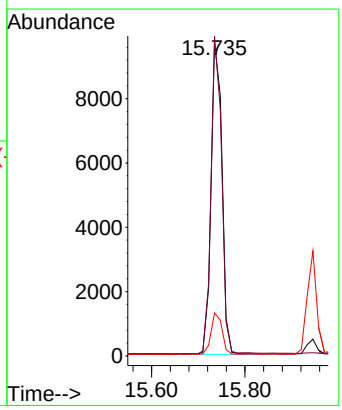


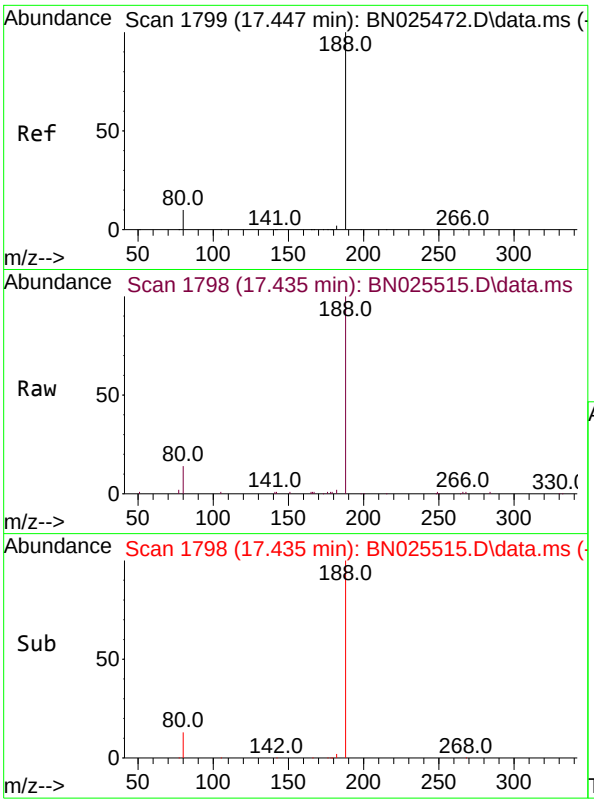


#18
Fluorene
Concen: 0.527 ng
RT: 15.735 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:166 Resp: 15168

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.9	119.9
167	13.5	11.2	16.8



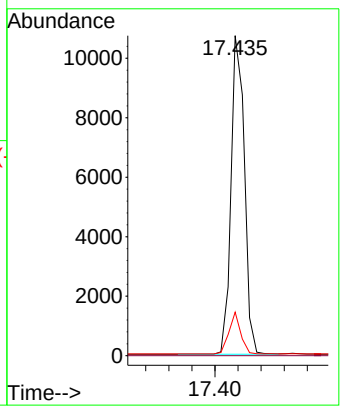


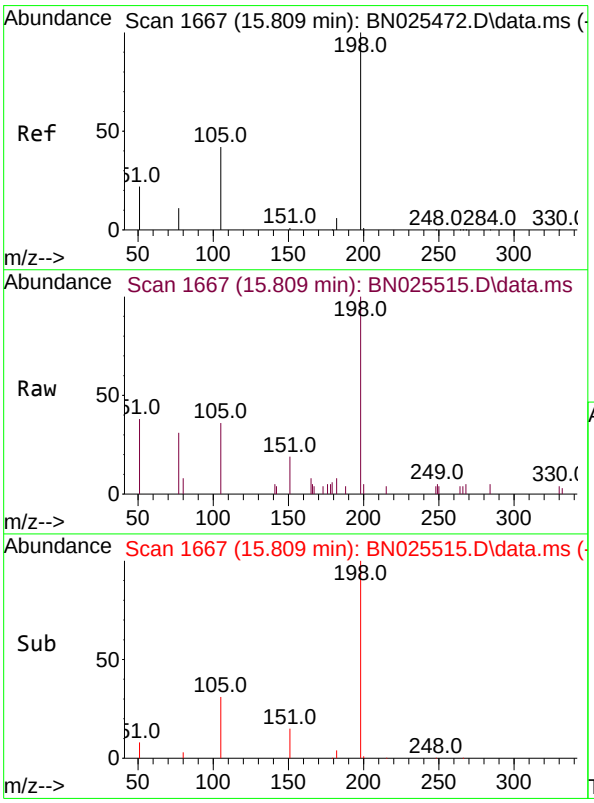
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:188 Resp: 17249

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	8.2	12.4#

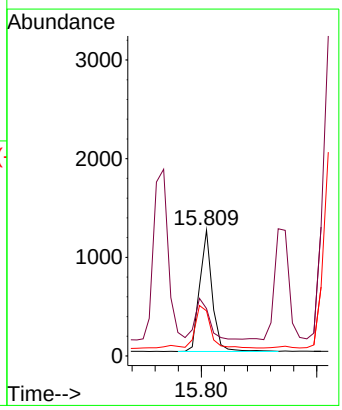


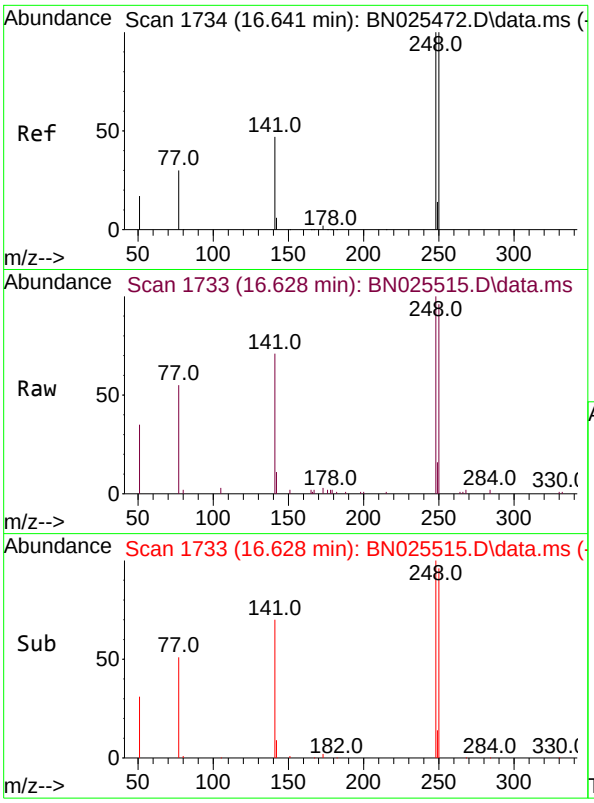


#20
4,6-Dinitro-2-methylphenol
Concen: 0.520 ng
RT: 15.809 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:198 Resp: 1866

Ion	Ratio	Lower	Upper
198	100		
51	37.6	42.2	63.2#
105	35.9	41.0	61.6#



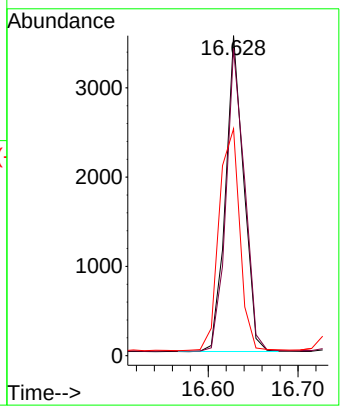


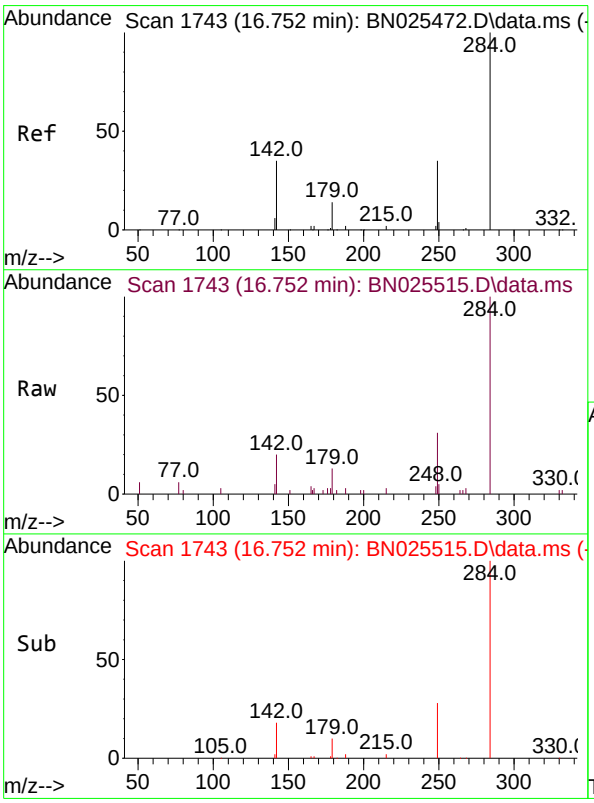
#21
4-Bromophenyl-phenylether
Concen: 0.490 ng
RT: 16.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:248 Resp: 4975

Ion	Ratio	Lower	Upper
248	100		
250	95.9	79.8	119.8
141	70.9	38.7	58.1#

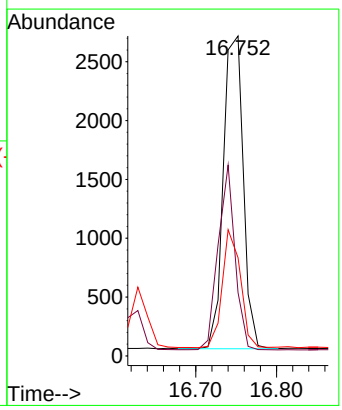


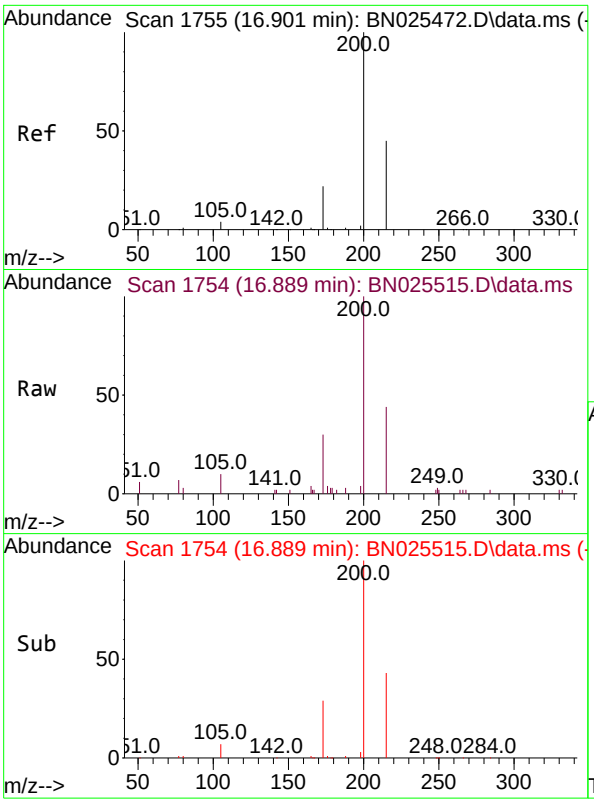


#22
Hexachlorobenzene
Concen: 0.481 ng
RT: 16.752 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:284 Resp: 4563

Ion	Ratio	Lower	Upper
284	100		
142	50.1	36.0	54.0
249	34.2	27.8	41.6



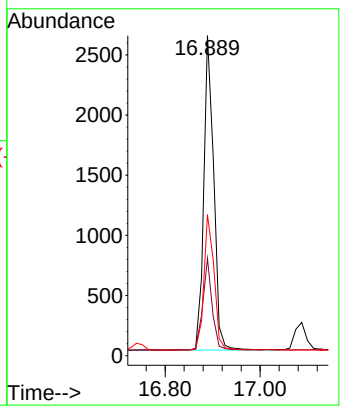


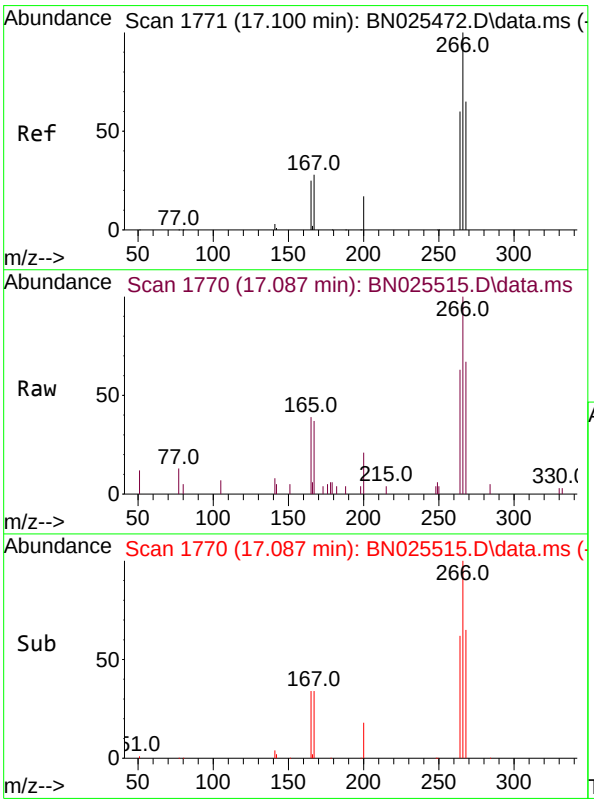
#23
Atrazine
Concen: 0.463 ng
RT: 16.889 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:200 Resp: 3827

Ion	Ratio	Lower	Upper
200	100		
173	30.4	18.6	27.8#
215	44.0	36.9	55.3

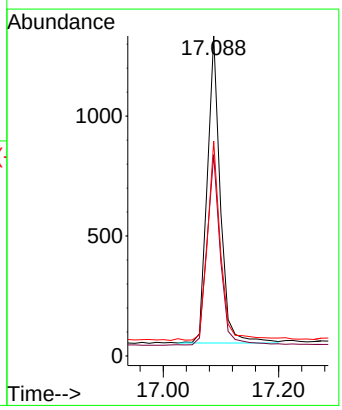


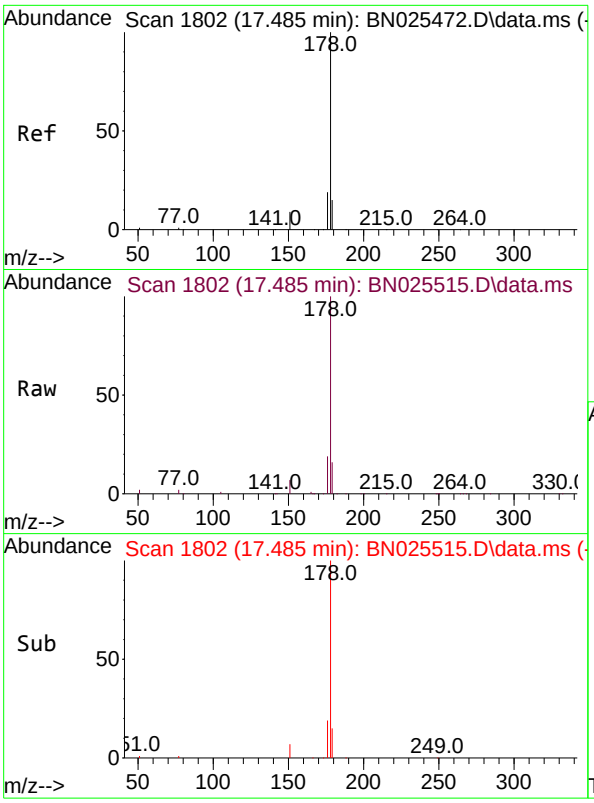


#24
Pentachlorophenol
Concen: 0.421 ng
RT: 17.087 min Scan# 1770
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:266 Resp: 2013

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.8	74.8
268	65.7	51.0	76.6



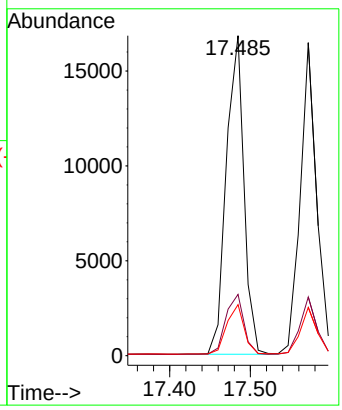


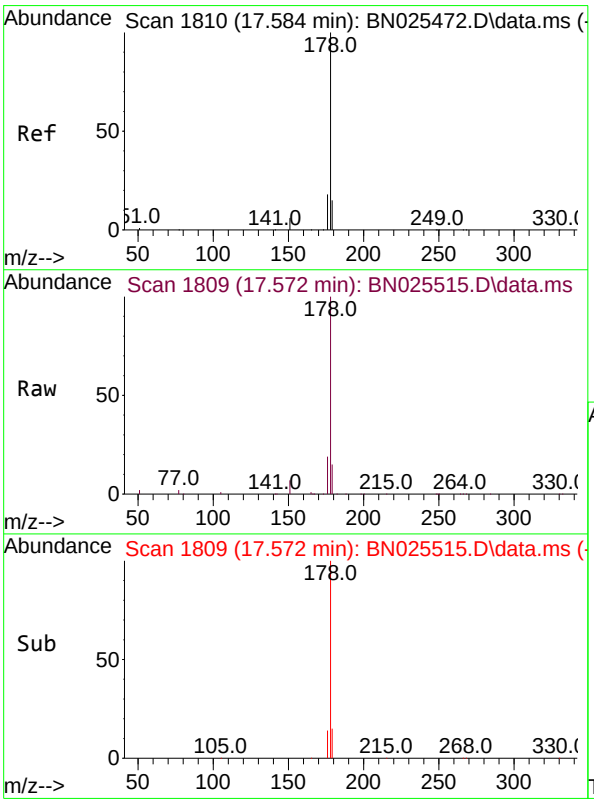
#25
Phenanthrene
Concen: 0.506 ng
RT: 17.485 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:178 Resp: 25553

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.4	12.1	18.1

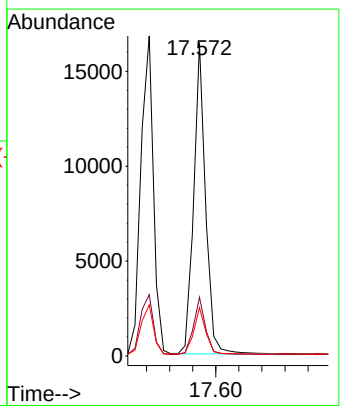


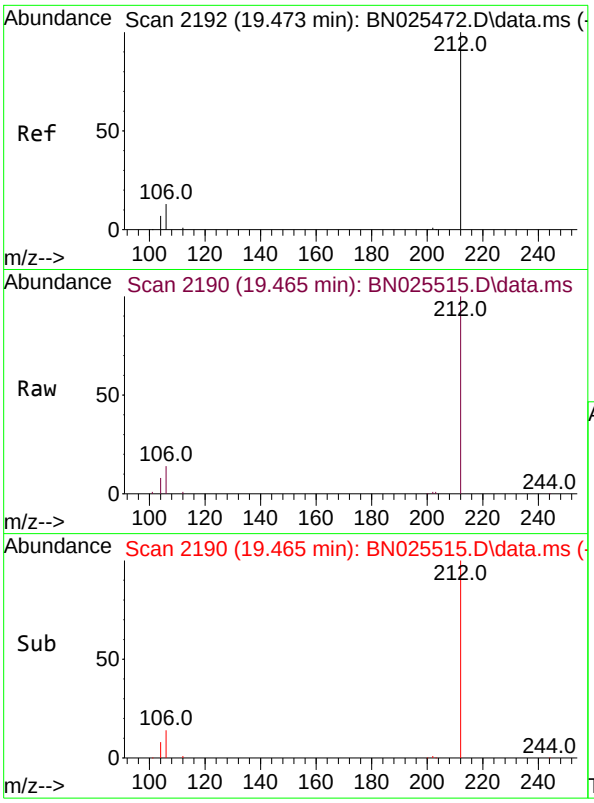


#26
Anthracene
Concen: 0.495 ng
RT: 17.572 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:178 Resp: 23400

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.2	12.1	18.1



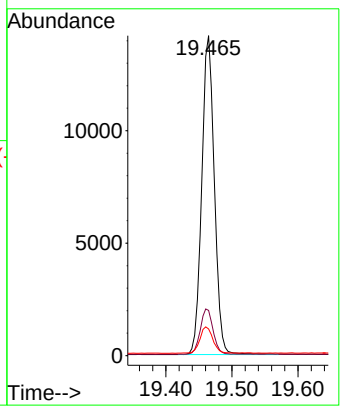


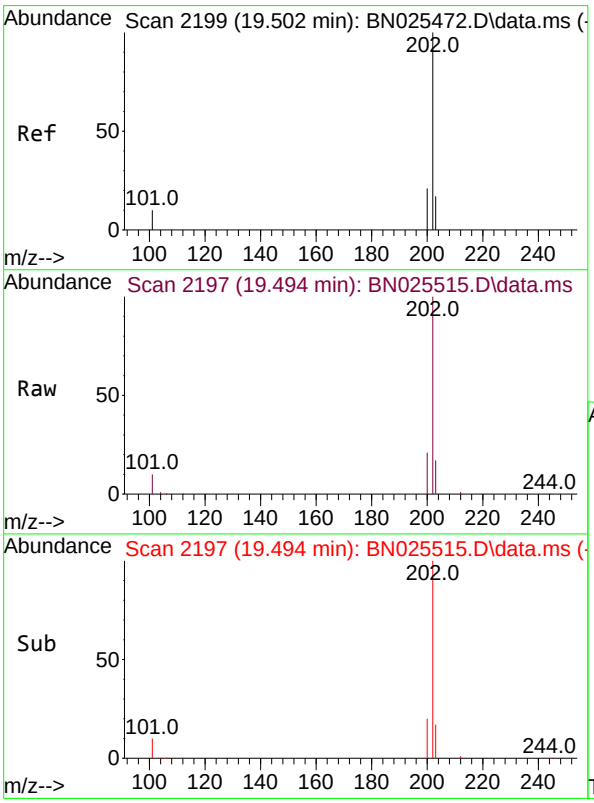
#27
Fluoranthene-d10
Concen: 0.471 ng
RT: 19.465 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:212 Resp: 18769

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.4	17.2
104	8.6	6.6	10.0

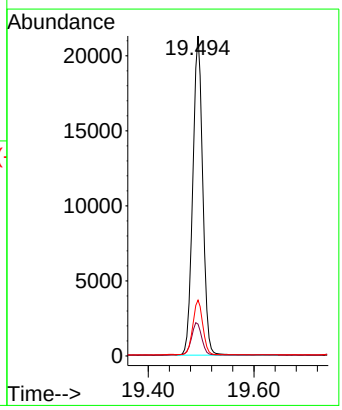


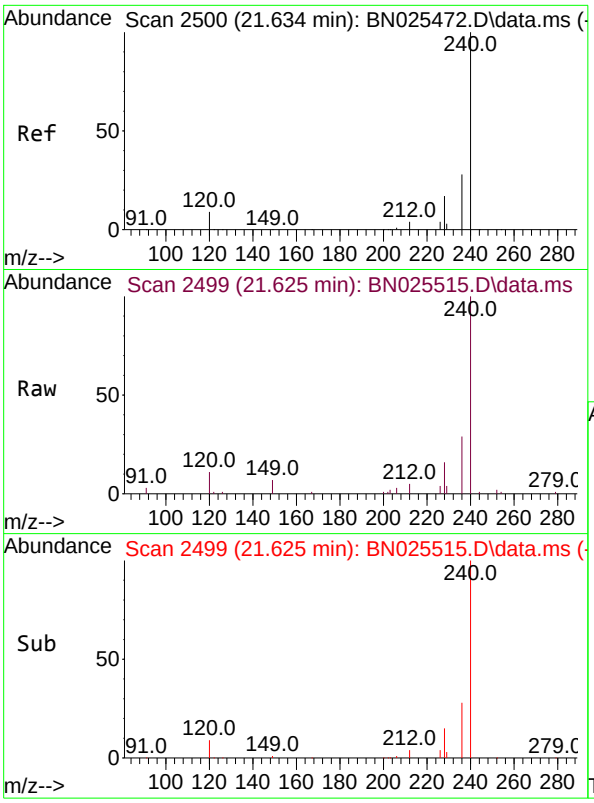


#28
Fluoranthene
Concen: 0.486 ng
RT: 19.494 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:202 Resp: 27928

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.7	13.1
203	17.1	13.8	20.6



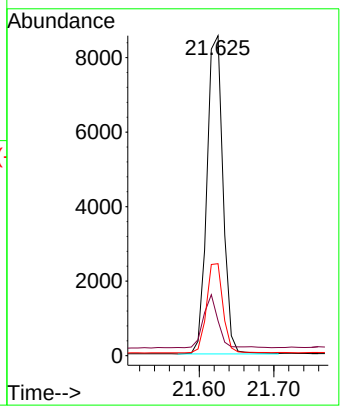


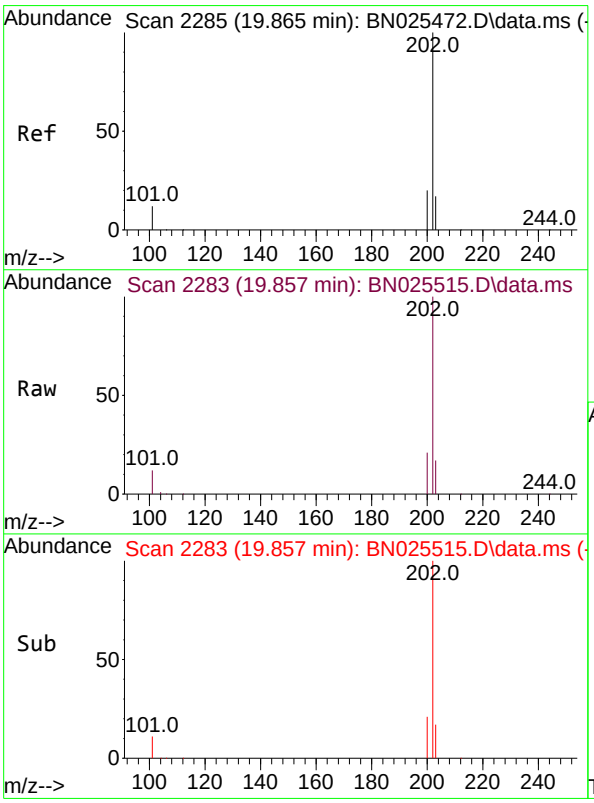
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.625 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:240 Resp: 12768

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.6	12.8
236	28.8	22.7	34.1

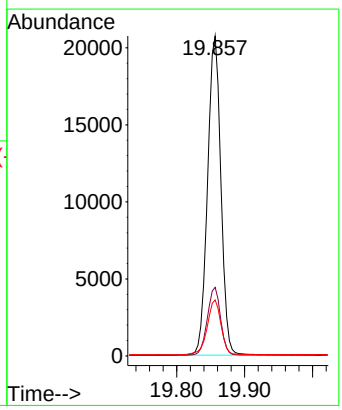


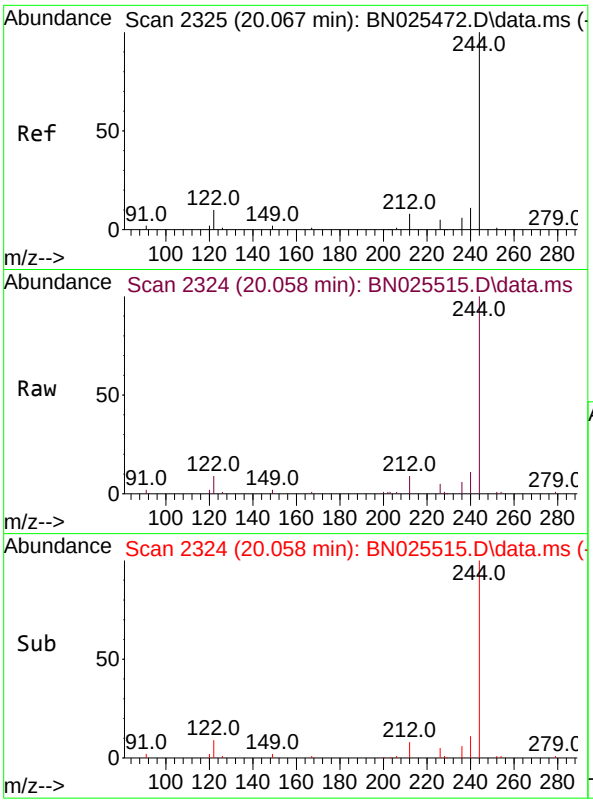


#30
Pyrene
Concen: 0.551 ng
RT: 19.857 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:202 Resp: 28085

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.8	14.2	21.4



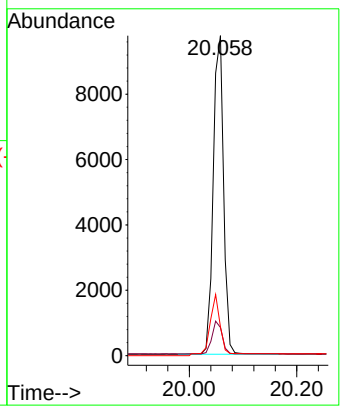


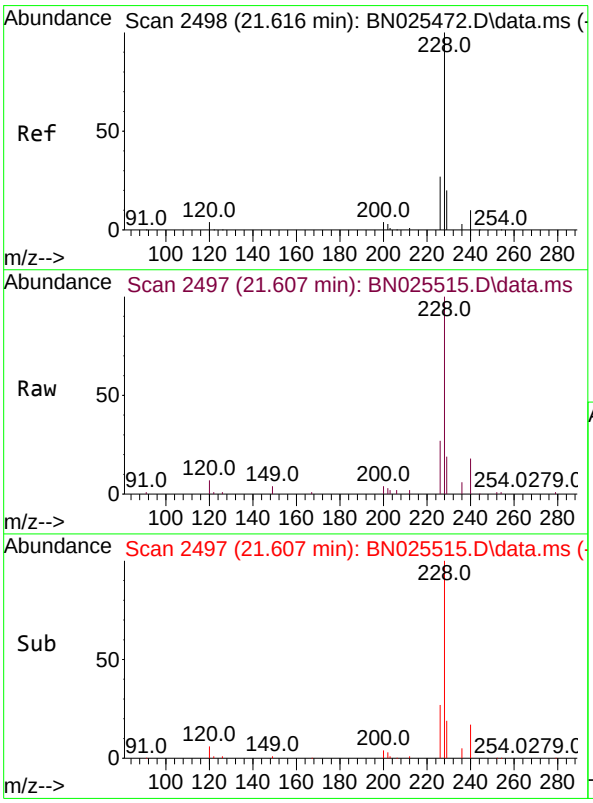
#31
Terphenyl-d14
Concen: 0.497 ng
RT: 20.058 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:244 Resp: 11285

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.6	10.0
122	9.1	8.1	12.1

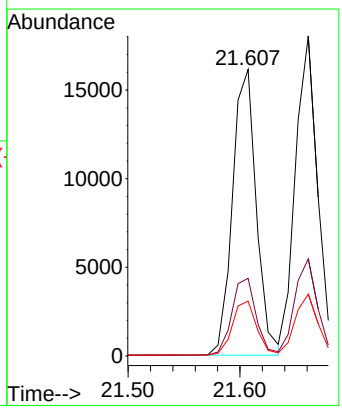


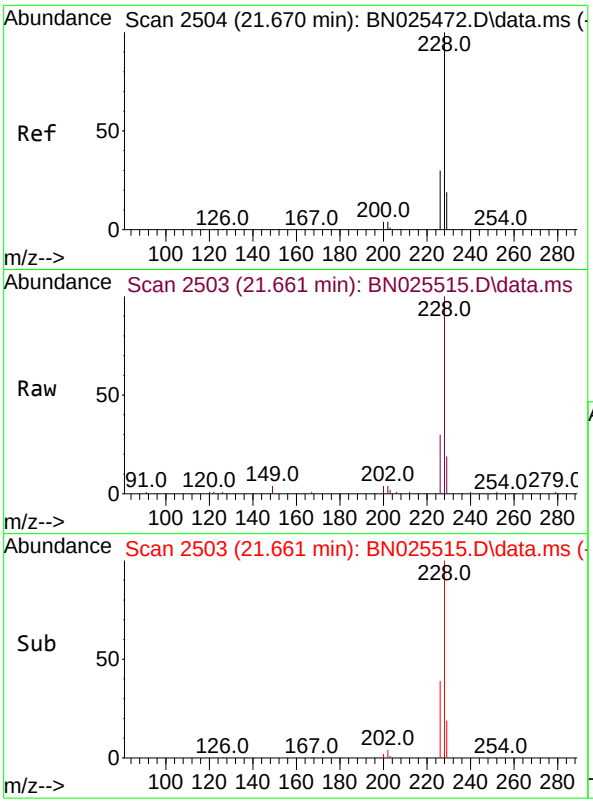


#32
Benzo(a)anthracene
Concen: 0.515 ng
RT: 21.607 min Scan# 2497
Delta R.T. 0.009 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:228 Resp: 23802

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.2	15.8	23.8



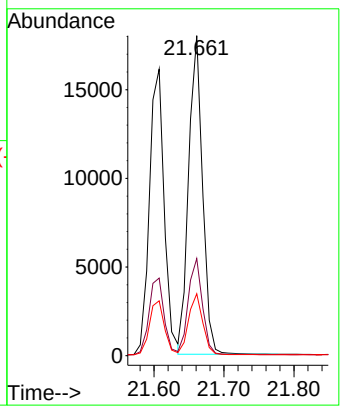


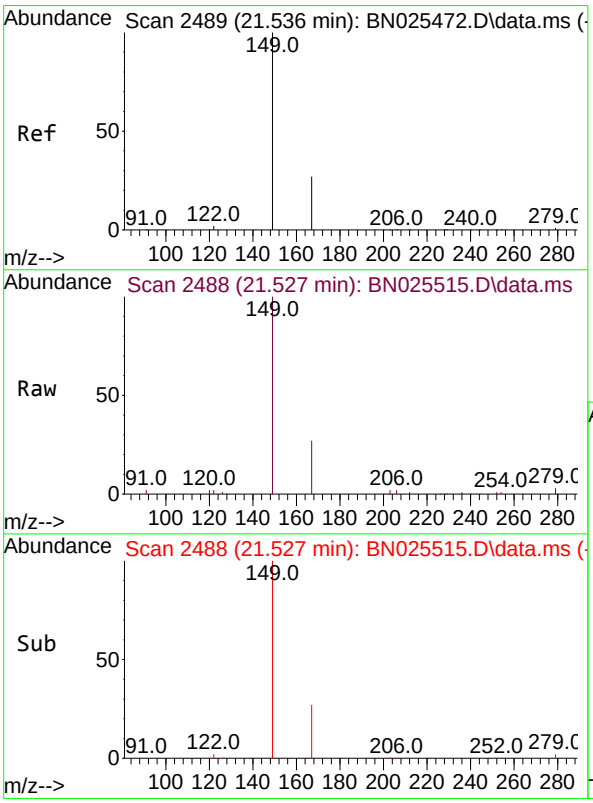
#33
Chrysene
Concen: 0.540 ng
RT: 21.661 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:228 Resp: 24773

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.4	15.4	23.2

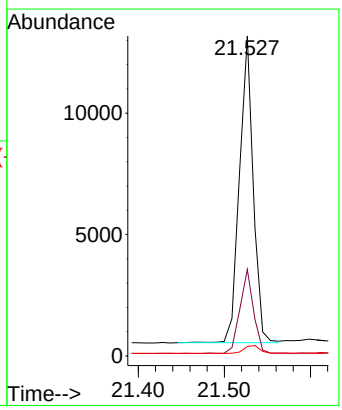


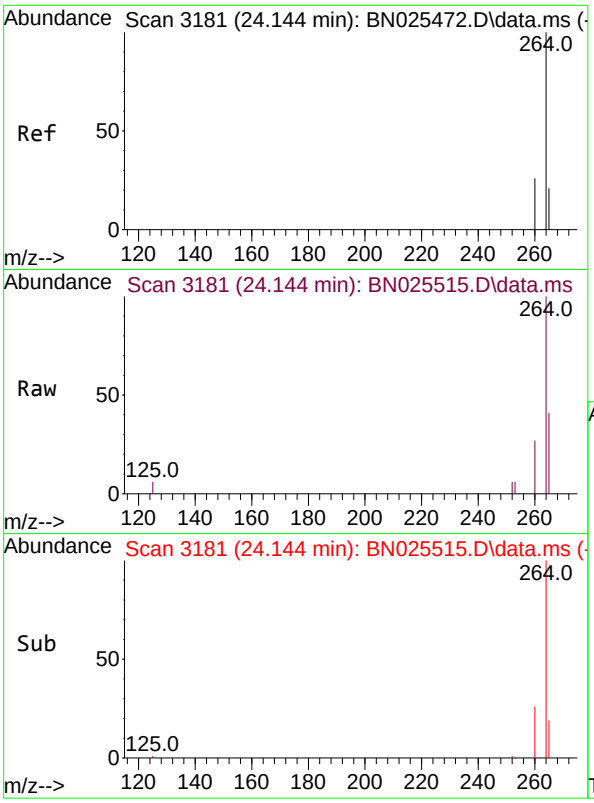


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.517 ng
RT: 21.527 min Scan# 2488
Delta R.T. 0.009 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:149 Resp: 14061

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.0	33.0
279	3.0	2.6	3.8



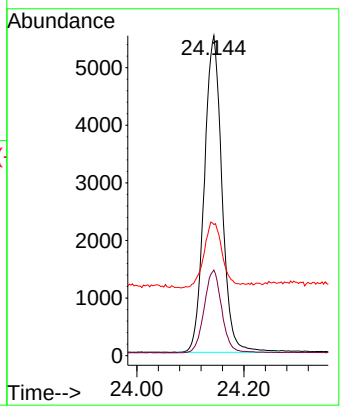


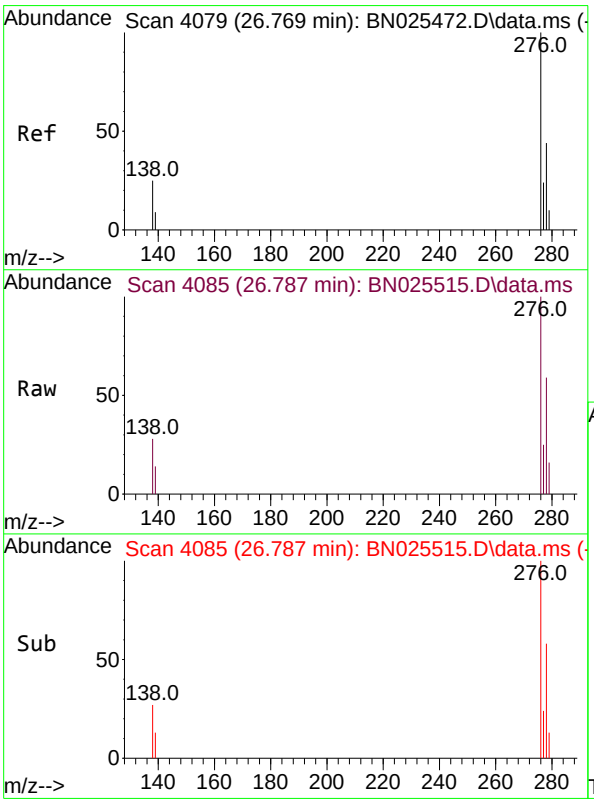
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.144 min Scan# 3
Delta R.T. 0.023 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:264 Resp: 12587

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.2	31.8
265	41.0	27.1	40.7#

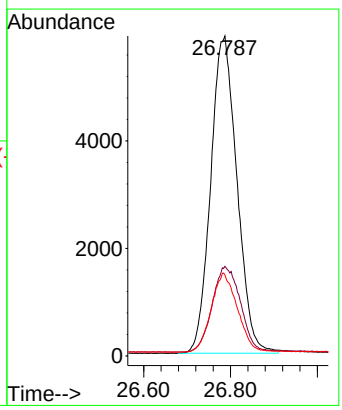


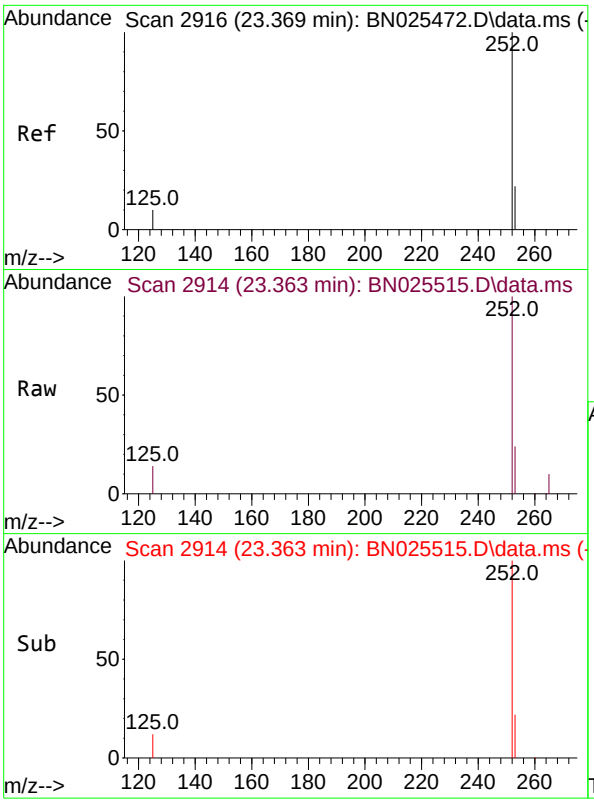


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.487 ng
RT: 26.787 min Scan# 4085
Delta R.T. 0.041 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:276 Resp: 24828

Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.8	32.6
277	24.9	19.7	29.5



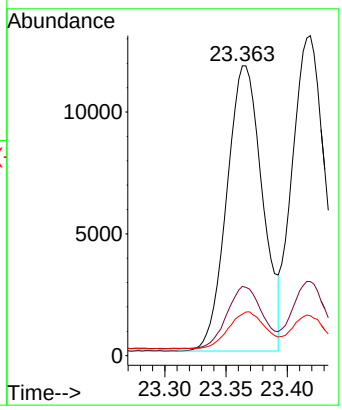


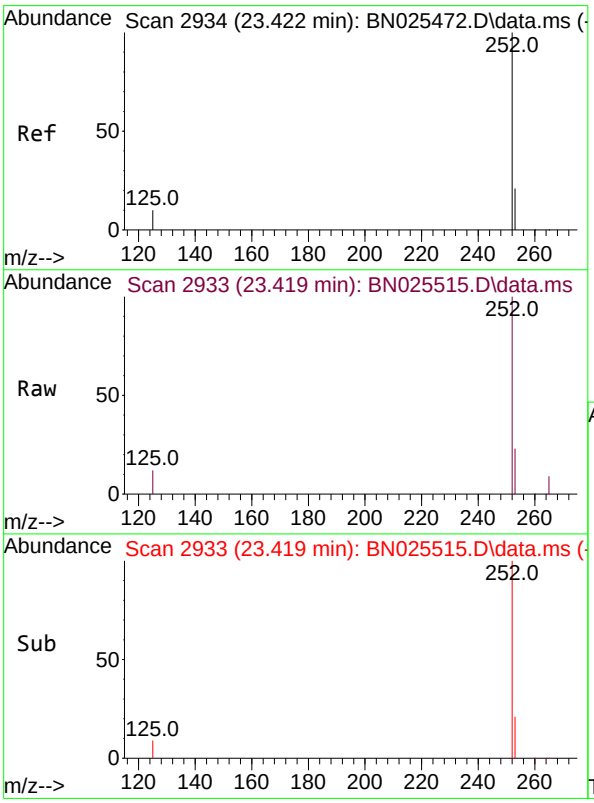
#37
Benzo(b)fluoranthene
Concen: 0.508 ng
RT: 23.363 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:252 Resp: 23711

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.8	28.2
125	14.3	9.6	14.4

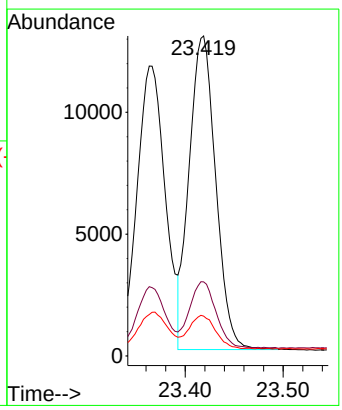


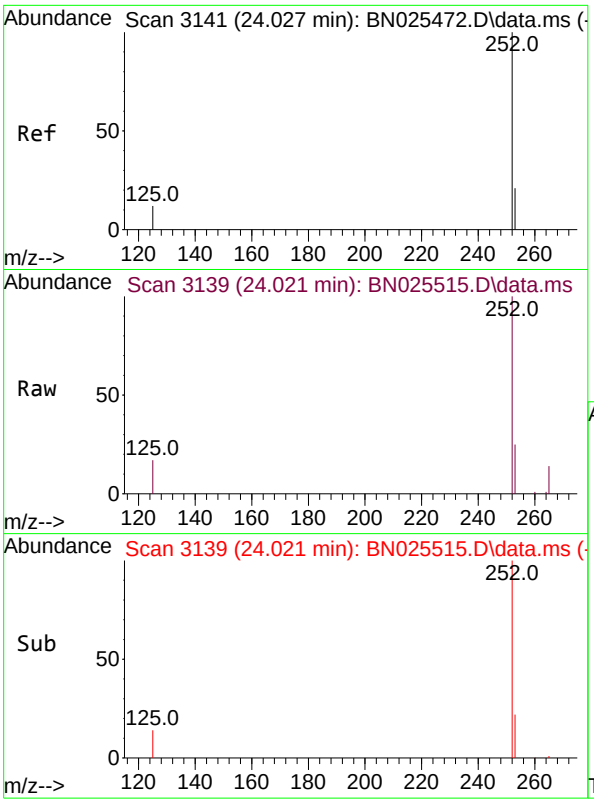


#38
Benzo(k)fluoranthene
Concen: 0.508 ng
RT: 23.419 min Scan# 2933
Delta R.T. 0.018 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:252 Resp: 24238

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	12.4	9.8	14.8



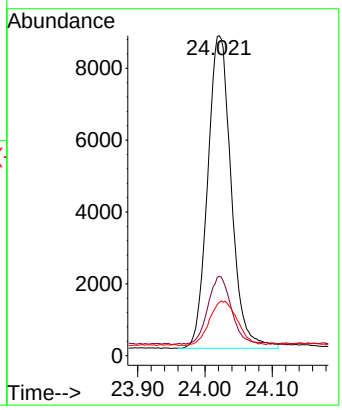


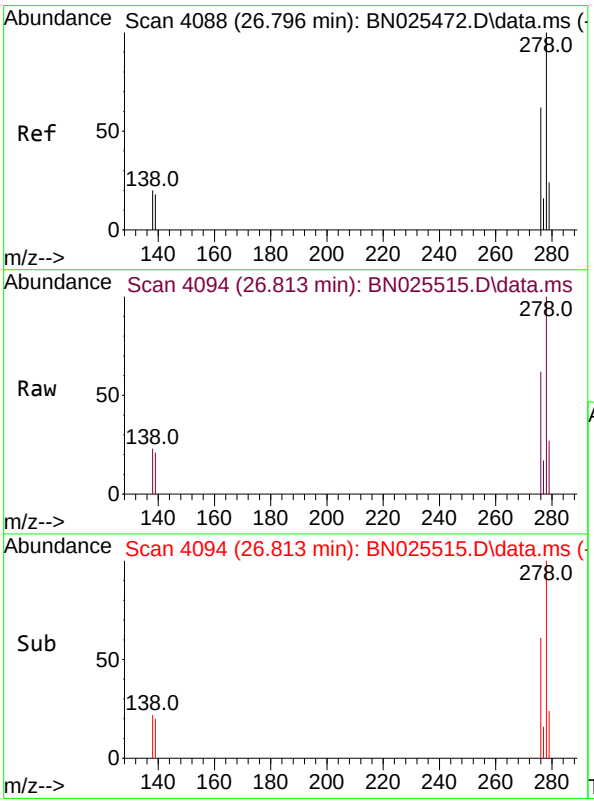
#39
Benzo(a)pyrene
Concen: 0.481 ng
RT: 24.021 min Scan# 3
Delta R.T. 0.012 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:252 Resp: 21165

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.6	28.0
125	16.7	11.0	16.6#

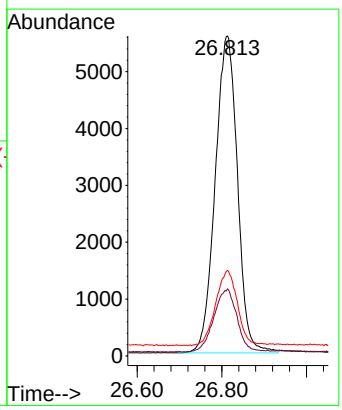


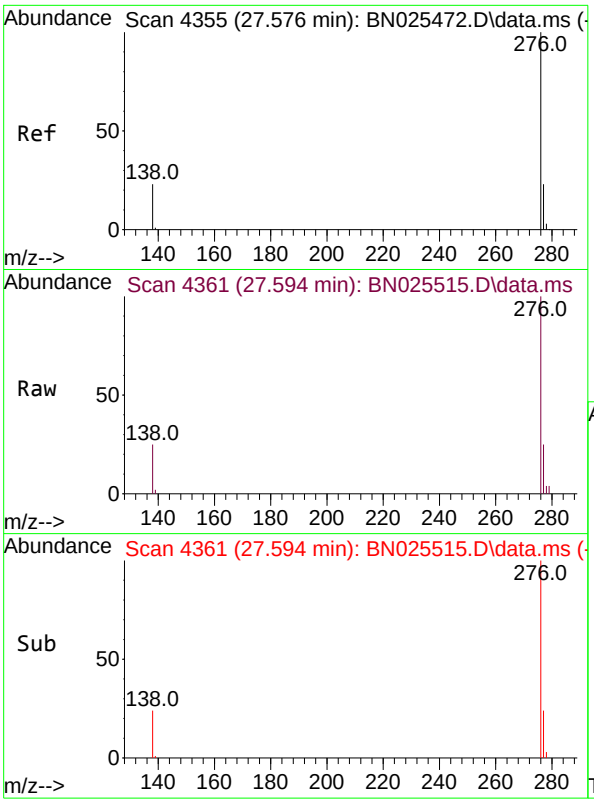


#40
Dibenzo(a,h)anthracene
Concen: 0.499 ng
RT: 26.813 min Scan# 4094
Delta R.T. 0.050 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Tgt Ion:278 Resp: 20382

Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.0	22.6
279	26.7	20.5	30.7





#41
Benzo(g,h,i)perylene
Concen: 0.469 ng
RT: 27.594 min Scan# 4
Delta R.T. 0.044 min
Lab File: BN025515.D
Acq: 20 May 2023 09:23

Instrument :
BNA_N
ClientSampleId :
PB152883BSD

Tgt Ion:276 Resp: 20178

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	25.5	19.2	28.8