Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051823\
Data File : BN025472.D
Acq On : 18 May 2023 12:48
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: May 18 17:47:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 15:44:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.077	152	7121	0.400	ng		0.00
7) Naphthalene-d8	10.899	136	19880	0.400	ng		0.00
13) Acenaphthene-d10	14.705	164	11857	0.400	ng		0.00
19) Phenanthrene-d10	17.447	188	27080	0.400	ng		0.00
29) Chrysene-d12	21.634	240	21885	0.400	ng		0.00
35) Perylene-d12	24.144	264	22346	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.614	112	7877	0.490	ng		0.00
5) Phenol-d6	7.218	99	9849	0.477	ng		0.00
8) Nitrobenzene-d5	9.234	82	7600	0.479	ng		0.00
11) 2-Methylnaphthalene-d10	12.476	152	12857	0.465	ng		0.00
14) 2,4,6-Tribromophenol	16.194	330	2162	0.468	ng		0.00
15) 2-Fluorobiphenyl	13.336	172	22145	0.488	ng		0.00
27) Fluoranthene-d10	19.473	212	28879	0.462	ng		0.00
31) Terphenyl-d14	20.067	244	19686	0.506	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.462	88	3483	0.479	ng		100
3) n-Nitrosodimethylamine	3.787	42	3786	0.473	ng		100
6) bis(2-Chloroethyl)ether	7.492	93	9697	0.483	ng		100
9) Naphthalene	10.953	128	23988	0.474	ng		100
10) Hexachlorobutadiene	11.241	225	4662	0.485	ng	#	100
12) 2-Methylnaphthalene	12.551	142	17076	0.467	ng		100
16) Acenaphthylene	14.427	152	26032	0.481	ng		100
17) Acenaphthene	14.769	154	17109	0.479	ng		100
18) Fluorene	15.747	166	21165	0.479	ng		100
20) 4,6-Dinitro-2-methylph...	15.809	198	2470	0.439	ng		100
21) 4-Bromophenyl-phenylether	16.641	248	7423	0.466	ng		100
22) Hexachlorobenzene	16.752	284	6907	0.464	ng		100
23) Atrazine	16.901	200	5825	0.449	ng		100
24) Pentachlorophenol	17.100	266	3047	0.406	ng		100
25) Phenanthrene	17.485	178	36518	0.460	ng		100
26) Anthracene	17.584	178	34075	0.459	ng		100
28) Fluoranthene	19.502	202	41517	0.460	ng		100
30) Pyrene	19.865	202	42393	0.485	ng		100
32) Benzo(a)anthracene	21.616	228	38894	0.491	ng		100
33) Chrysene	21.670	228	38695	0.492	ng		100
34) Bis(2-ethylhexyl)phtha...	21.536	149	22361	0.479	ng		100
36) Indeno(1,2,3-cd)pyrene	26.769	276	41606	0.460	ng		100
37) Benzo(b)fluoranthene	23.369	252	37452	0.452	ng		100
38) Benzo(k)fluoranthene	23.422	252	38013	0.450	ng		100
39) Benzo(a)pyrene	24.027	252	34992	0.448	ng		100
40) Dibenzo(a,h)anthracene	26.796	278	33329	0.460	ng		100
41) Benzo(g,h,i)perylene	27.576	276	35491	0.465	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051823\
Data File : BN025472.D
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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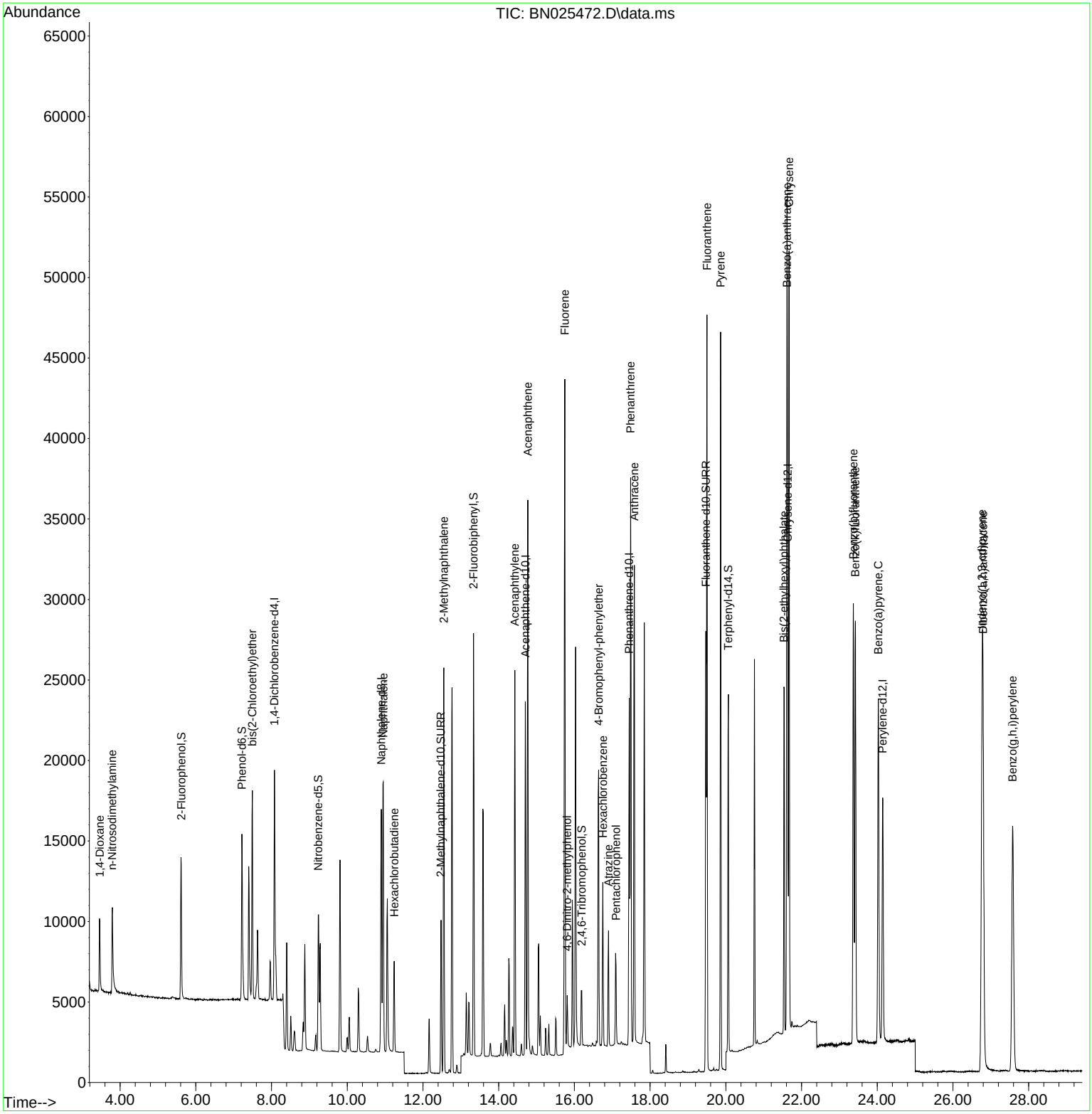
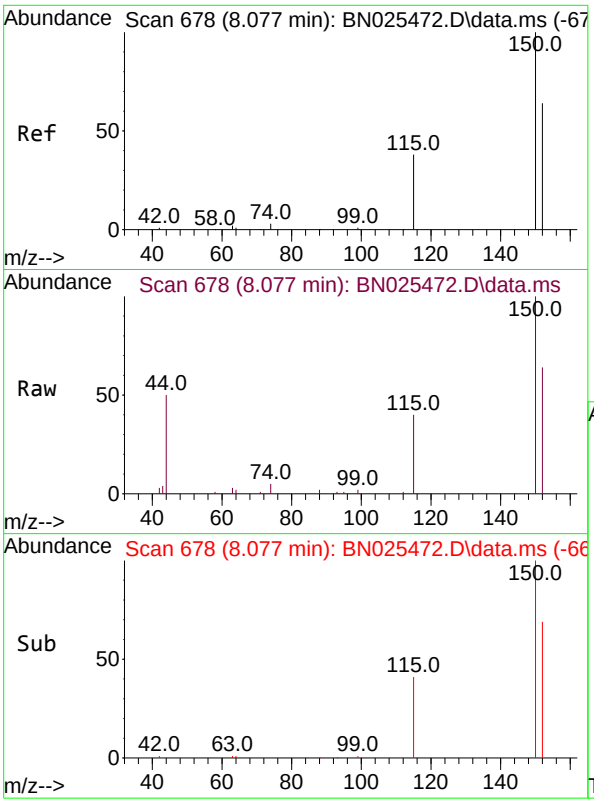
Quant Time: May 18 17:47:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 15:44:09 2023
Response via : Initial Calibration



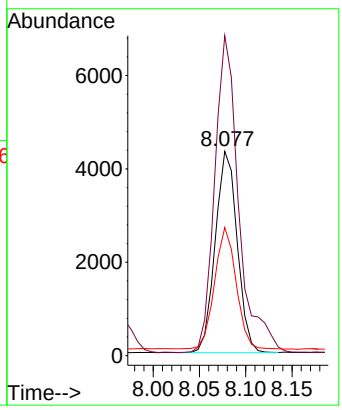


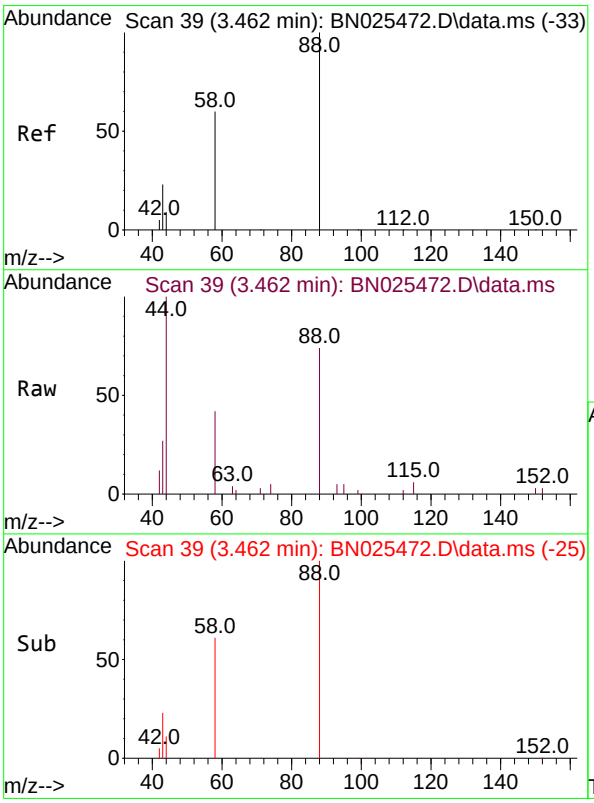
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.077 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 7121

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.3	187.9
115	62.7	50.2	75.2

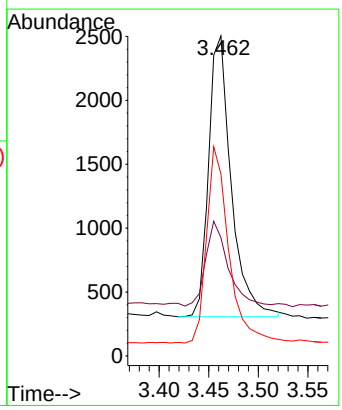


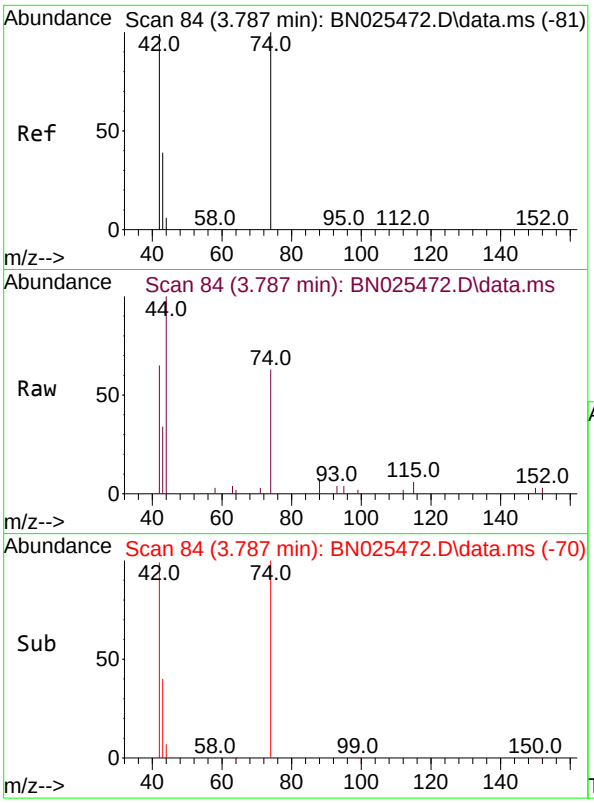


#2
1,4-Dioxane
Concen: 0.479 ng
RT: 3.462 min Scan# 39
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion: 88 Resp: 3483

Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.8	35.6
58	68.9	55.1	82.7



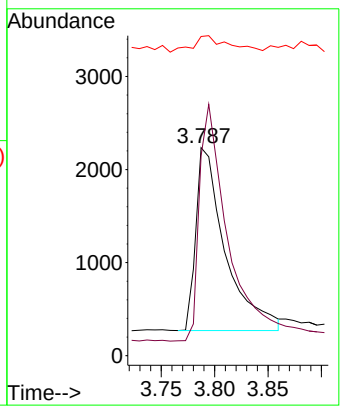


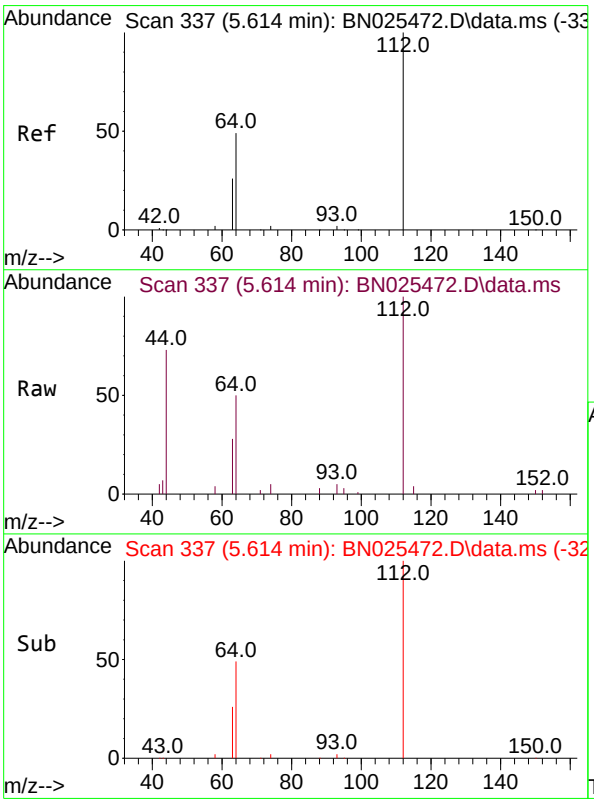
#3
n-Nitrosodimethylamine
Concen: 0.473 ng
RT: 3.787 min Scan# 84
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 3786

Ion	Ratio	Lower	Upper
42	100		
74	125.3	100.2	150.4
44	10.7	8.6	12.8

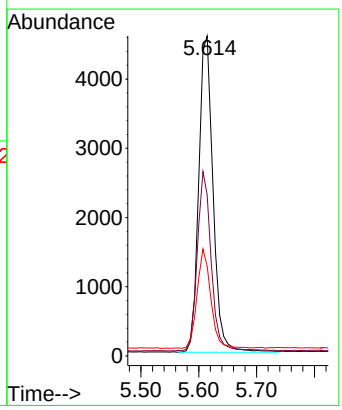


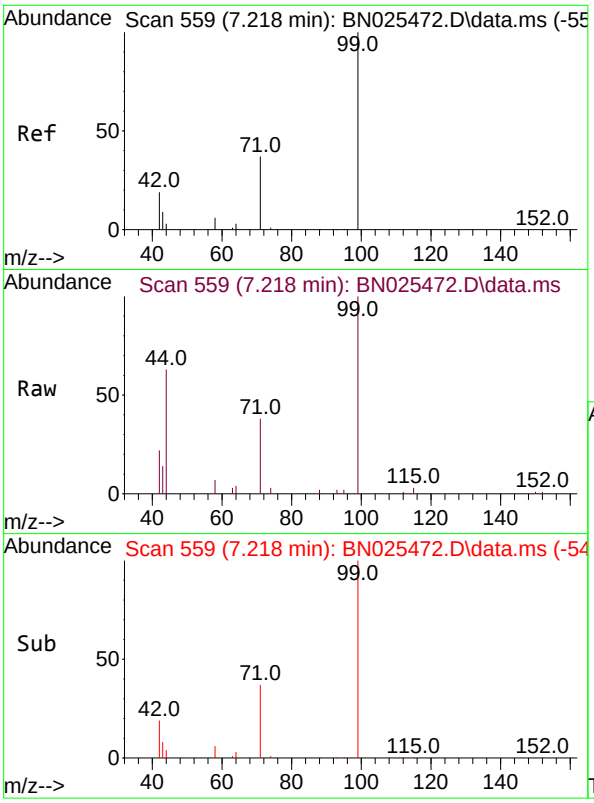


#4
2-Fluorophenol
Concen: 0.490 ng
RT: 5.614 min Scan# 337
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:112 Resp: 7877

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.0	66.0
63	30.0	24.0	36.0



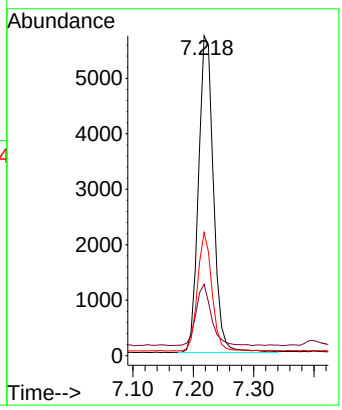


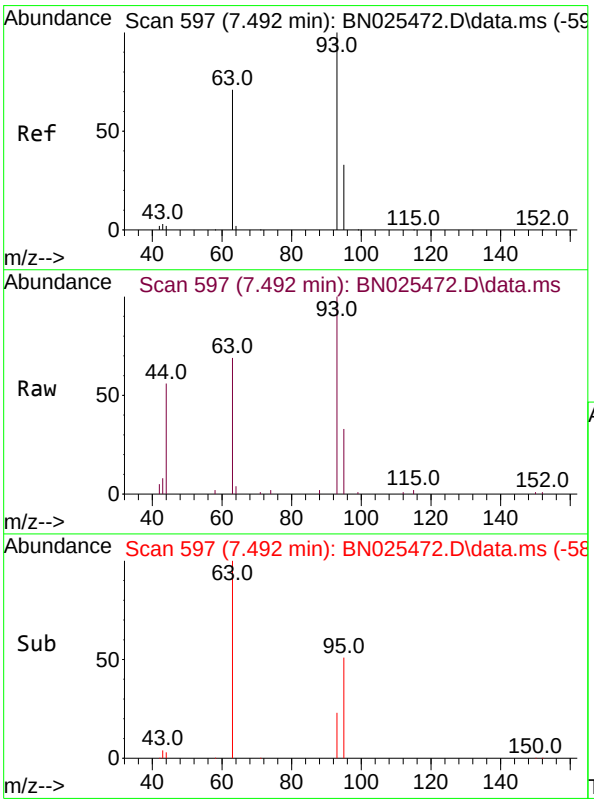
#5
Phenol-d6
Concen: 0.477 ng
RT: 7.218 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 9849

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.8	23.8
71	35.8	28.6	43.0

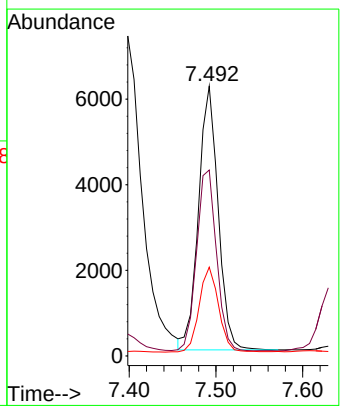


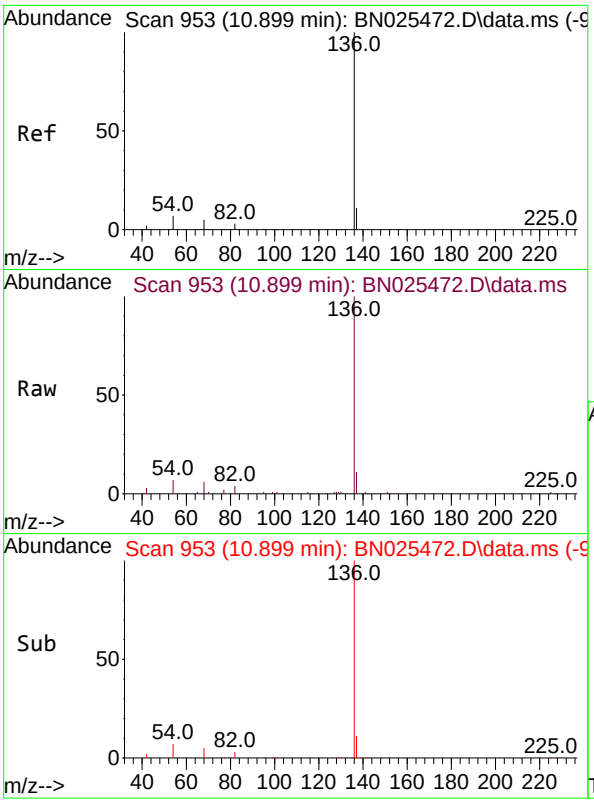


#6
bis(2-Chloroethyl)ether
Concen: 0.483 ng
RT: 7.492 min Scan# 597
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion: 93 Resp: 9697

Ion	Ratio	Lower	Upper
93	100		
63	69.7	55.8	83.6
95	32.1	25.7	38.5



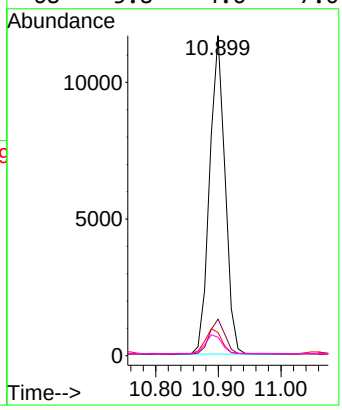


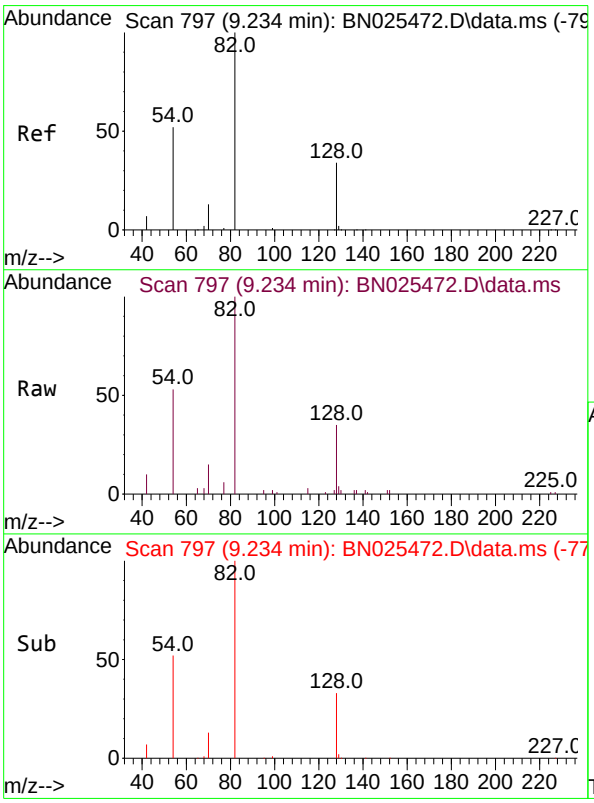
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.899 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 19880

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.2	5.8	8.6
68	5.8	4.6	7.0

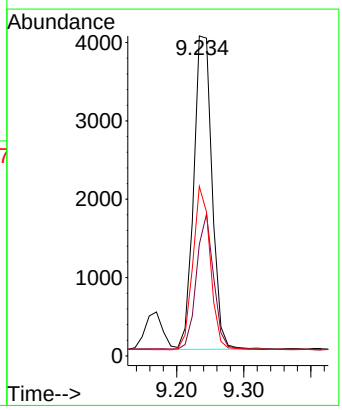


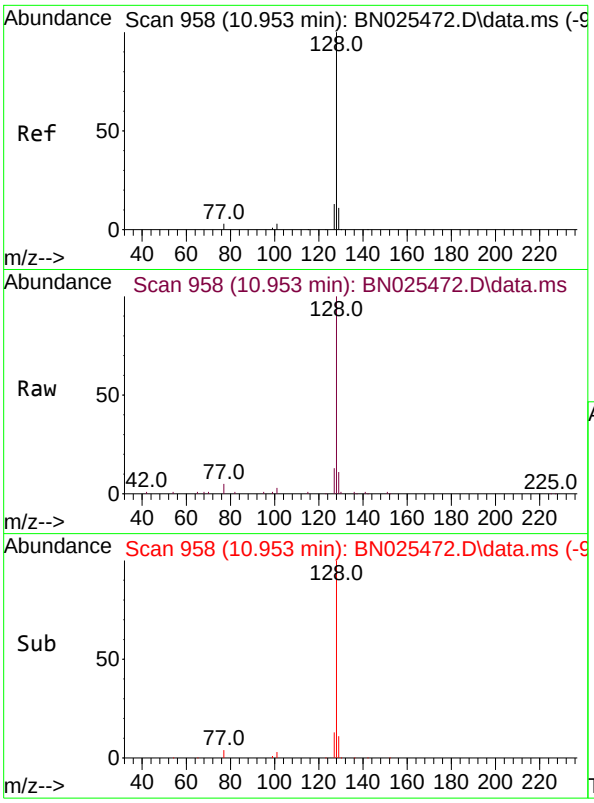


#8
Nitrobenzene-d5
Concen: 0.479 ng
RT: 9.234 min Scan# 797
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion: 82 Resp: 7600

Ion	Ratio	Lower	Upper
82	100		
128	34.9	27.9	41.9
54	53.0	42.4	63.6



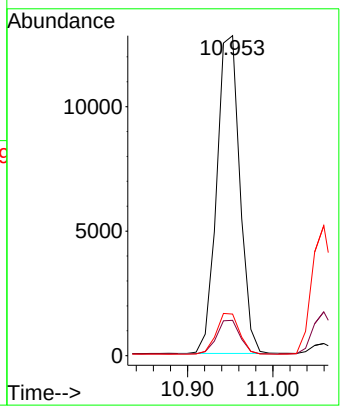


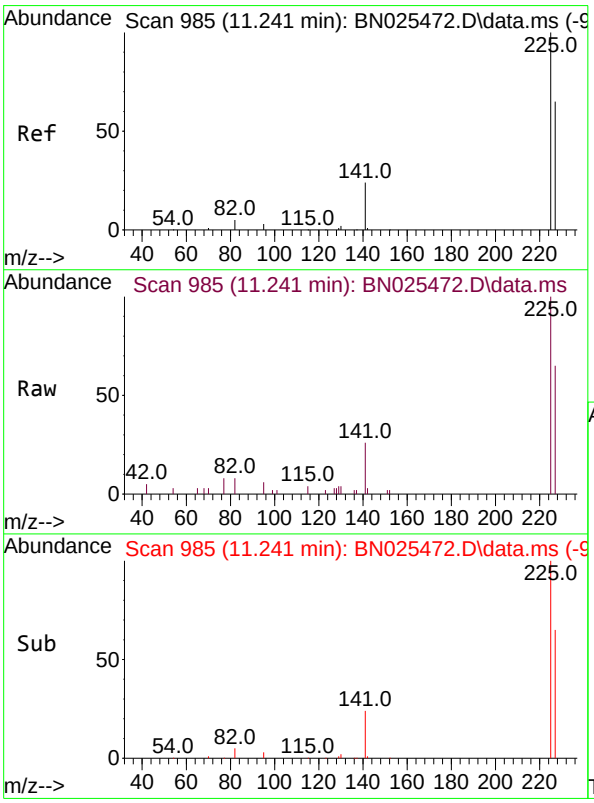
#9
Naphthalene
Concen: 0.474 ng
RT: 10.953 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 23988

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.4	15.6

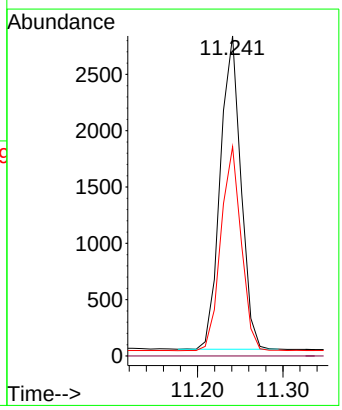


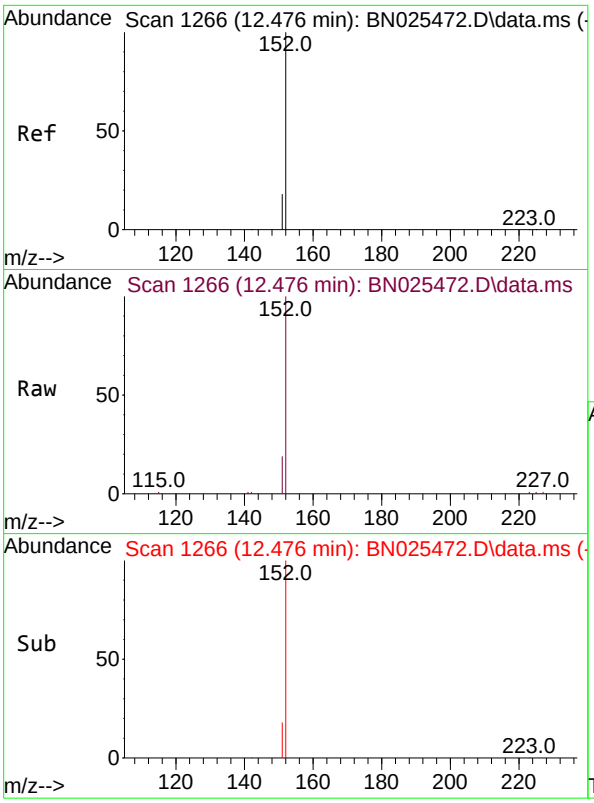


#10
Hexachlorobutadiene
Concen: 0.485 ng
RT: 11.241 min Scan# 985
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:225 Resp: 4662

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.4	77.2



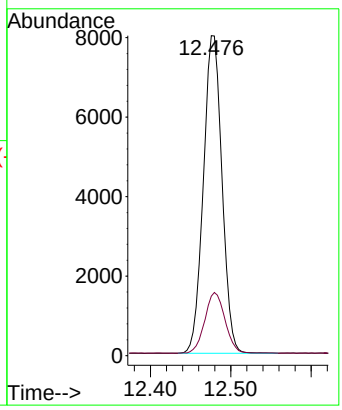


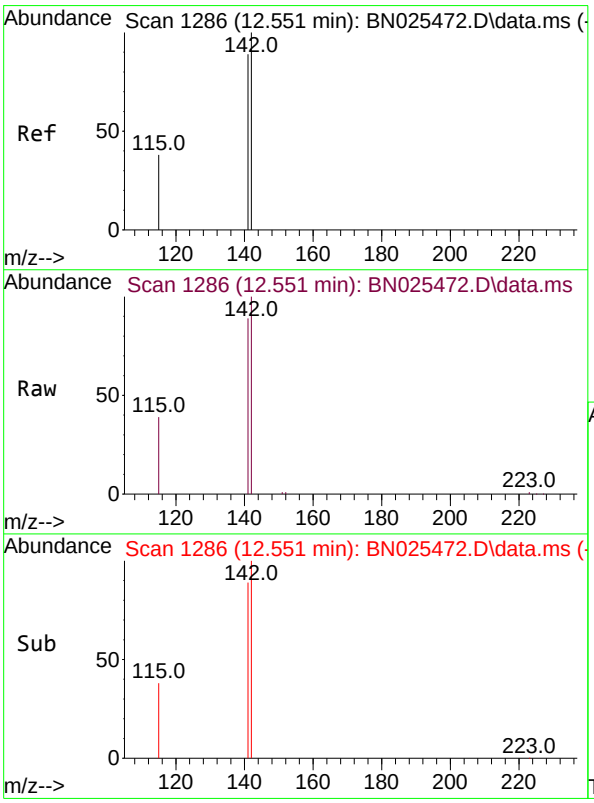
#11
2-Methylnaphthalene-d10
Concen: 0.465 ng
RT: 12.476 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 12857

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8

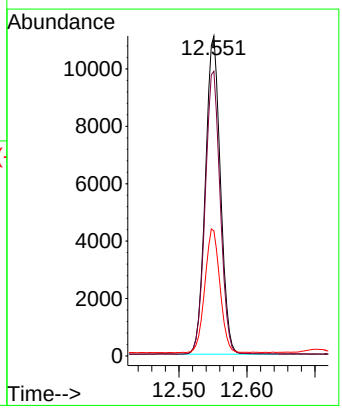


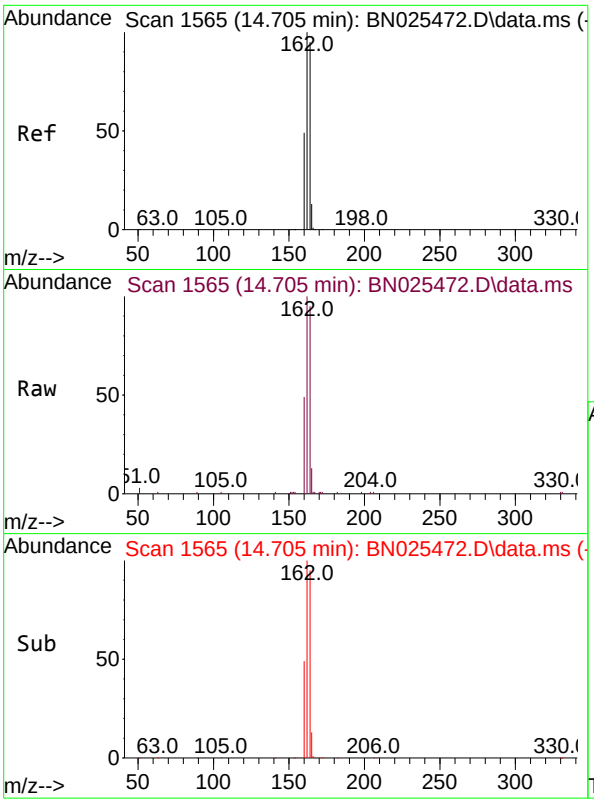


#12
2-Methylnaphthalene
Concen: 0.467 ng
RT: 12.551 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:142 Resp: 17076

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7
115	39.1	31.3	46.9



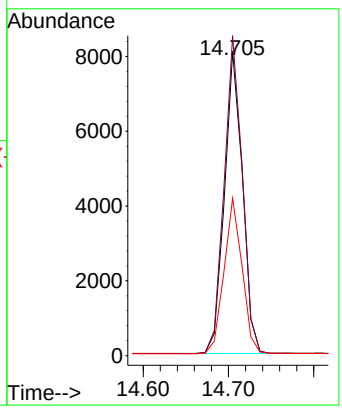


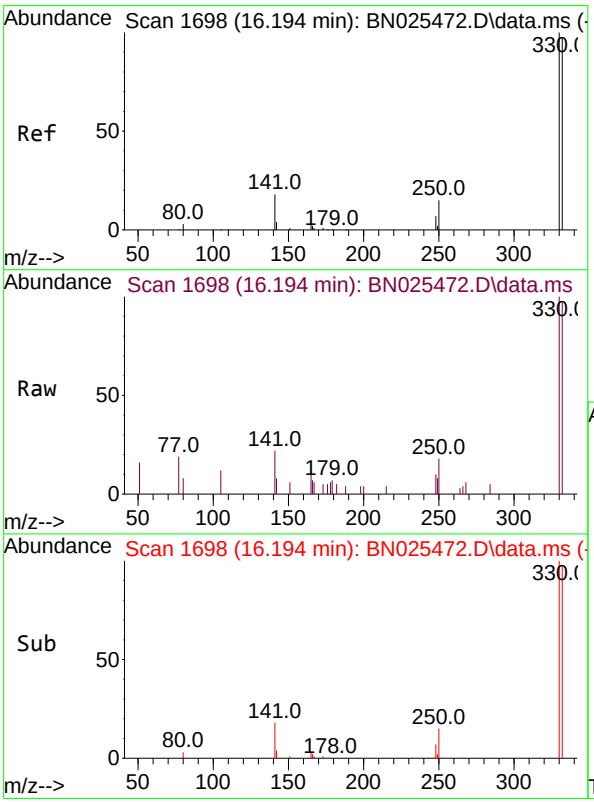
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 11857

Ion	Ratio	Lower	Upper
164	100		
162	105.2	84.2	126.2
160	51.8	41.4	62.2

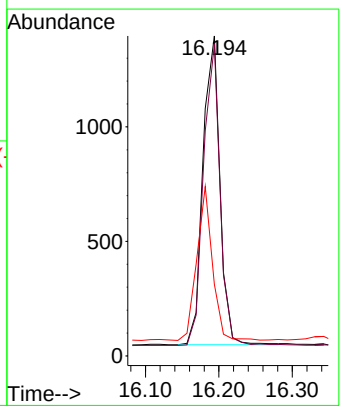


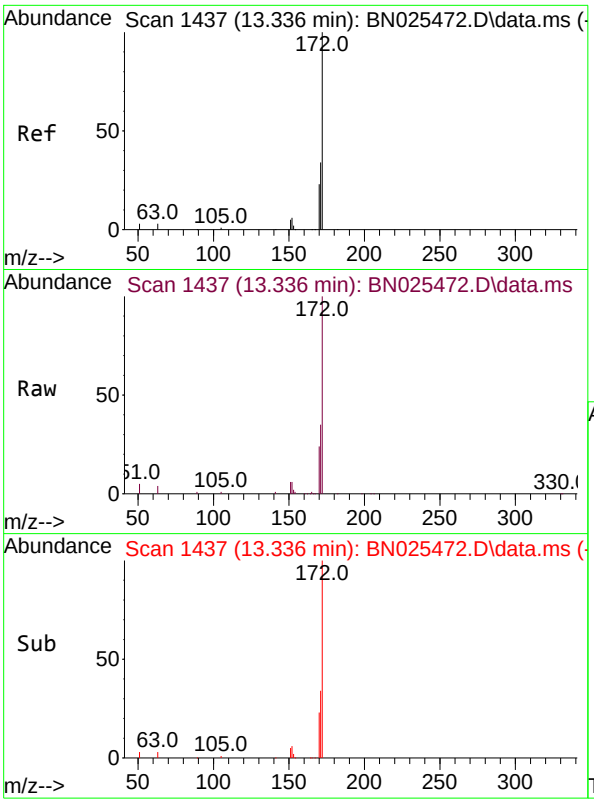


#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 16.194 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:330 Resp: 2162

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	45.1	36.1	54.1



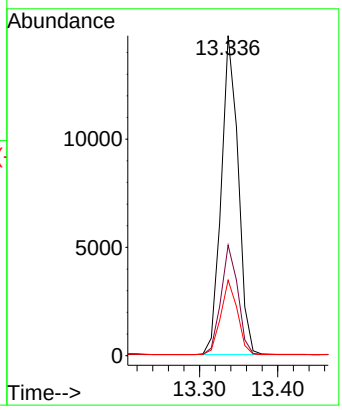


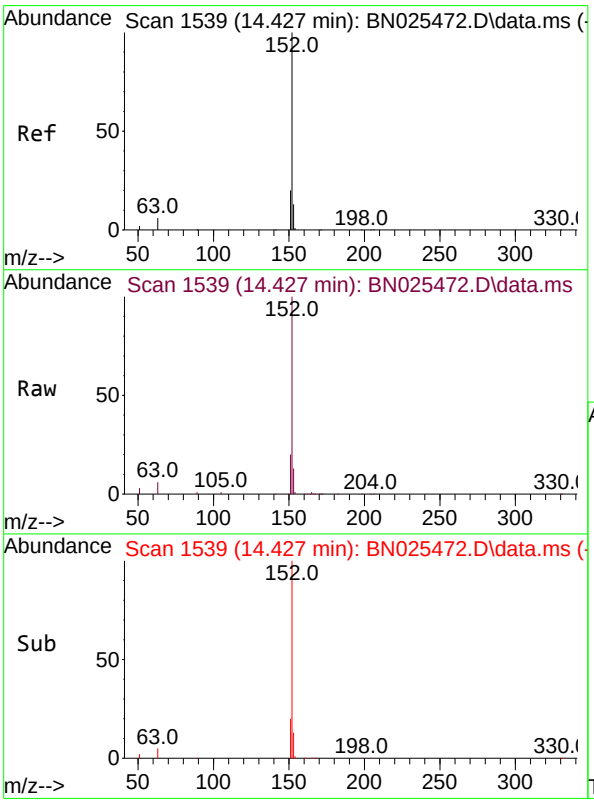
#15
2-Fluorobiphenyl
Concen: 0.488 ng
RT: 13.336 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 22145

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.6	41.4
170	23.6	18.9	28.3

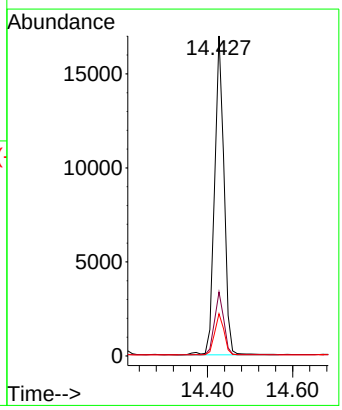


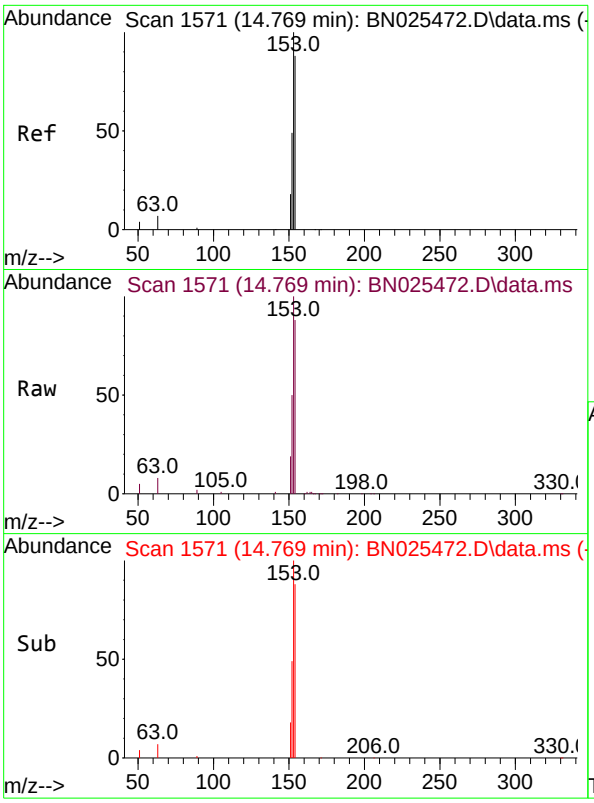


#16
Acenaphthylene
Concen: 0.481 ng
RT: 14.427 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:152 Resp: 26032

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.9	10.3	15.5



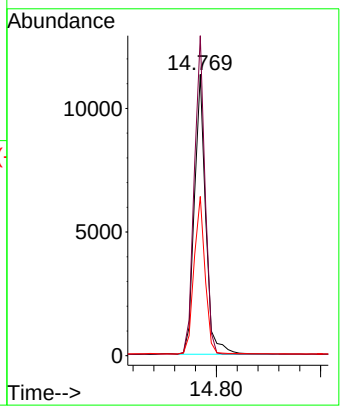


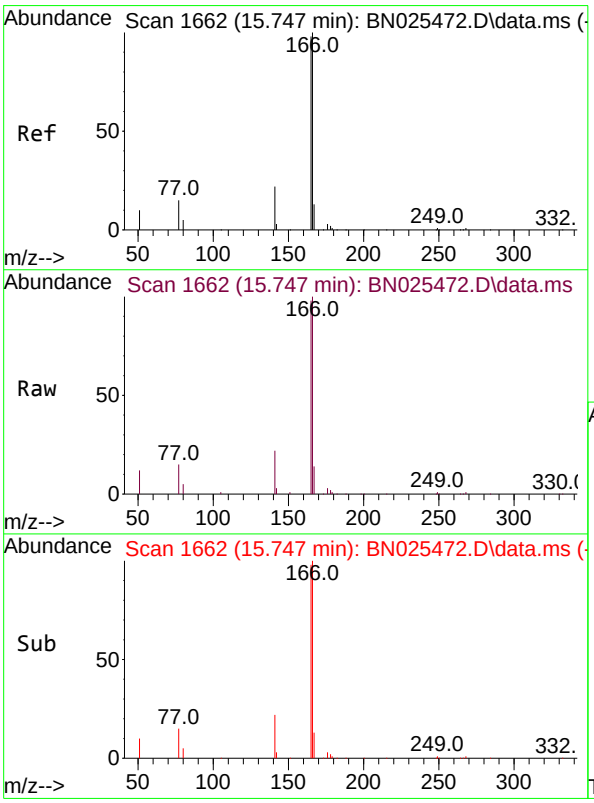
#17
Acenaphthene
Concen: 0.479 ng
RT: 14.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 17109

Ion	Ratio	Lower	Upper
154	100		
153	108.6	86.9	130.3
152	54.9	43.9	65.9

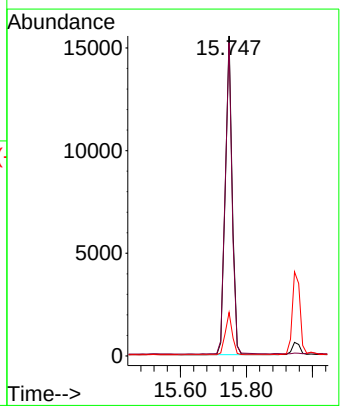


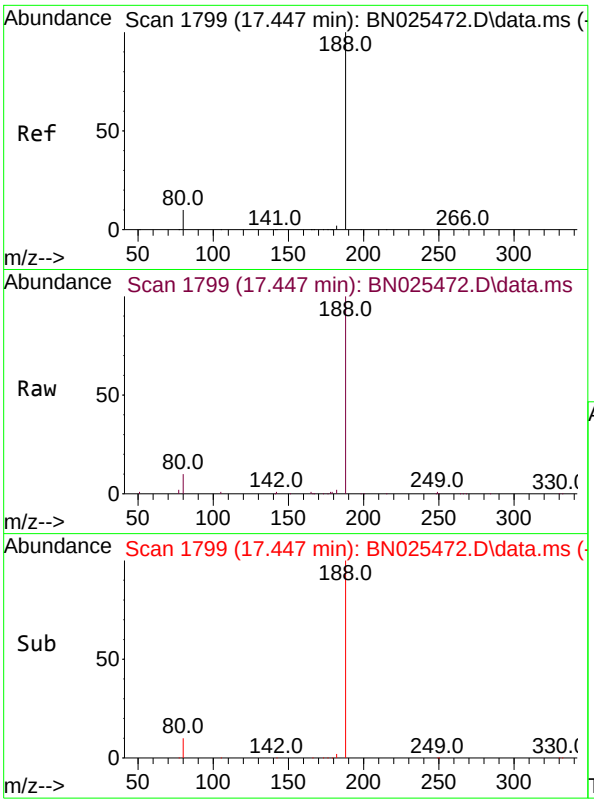


#18
Fluorene
Concen: 0.479 ng
RT: 15.747 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:166 Resp: 21165

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.9	119.9
167	14.0	11.2	16.8



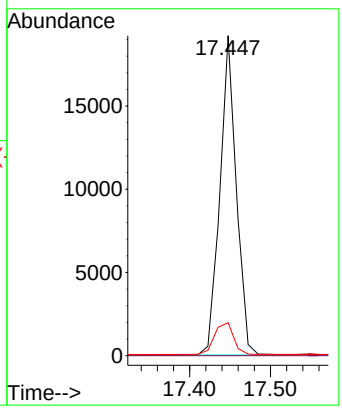


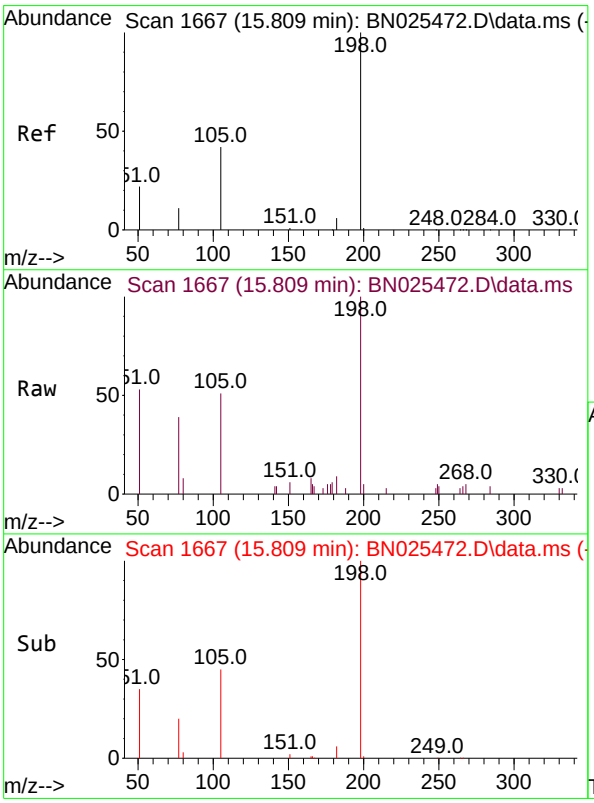
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.447 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 27080

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.2	12.4

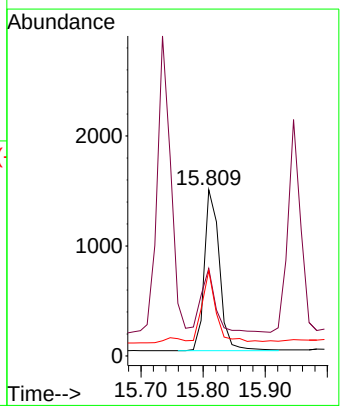


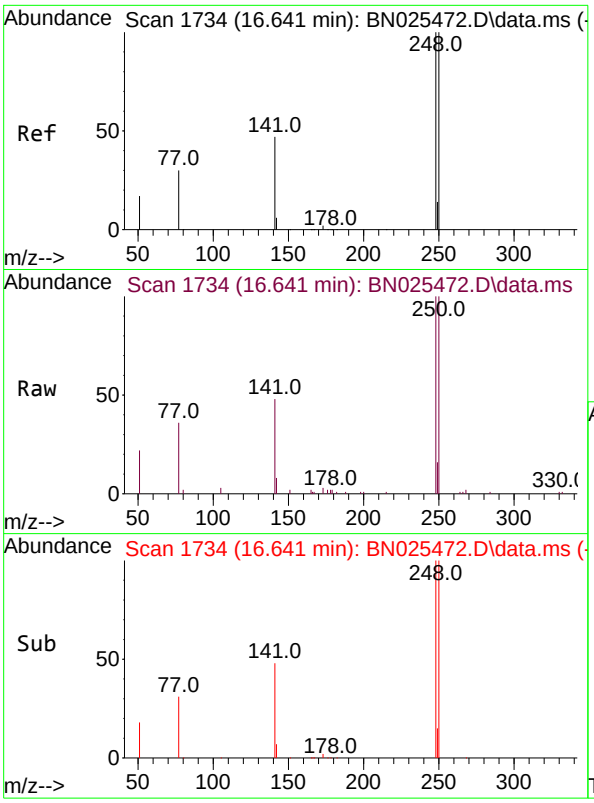


#20
4,6-Dinitro-2-methylphenol
Concen: 0.439 ng
RT: 15.809 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:198 Resp: 2470

Ion	Ratio	Lower	Upper
198	100		
51	52.7	42.2	63.2
105	51.3	41.0	61.6



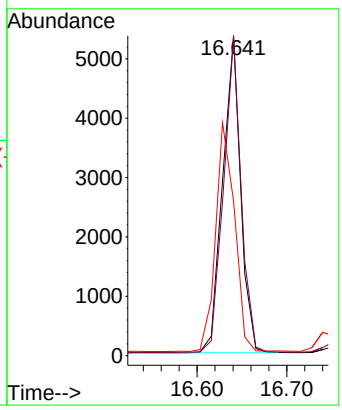


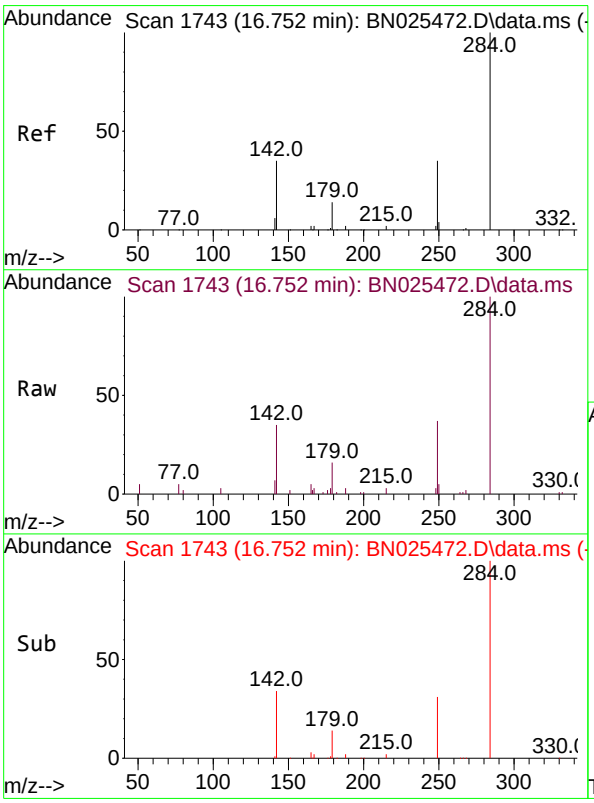
#21
4-Bromophenyl-phenylether
Concen: 0.466 ng
RT: 16.641 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 7423

Ion	Ratio	Lower	Upper
248	100		
250	99.8	79.8	119.8
141	48.4	38.7	58.1

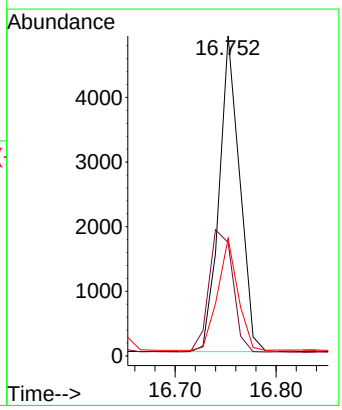


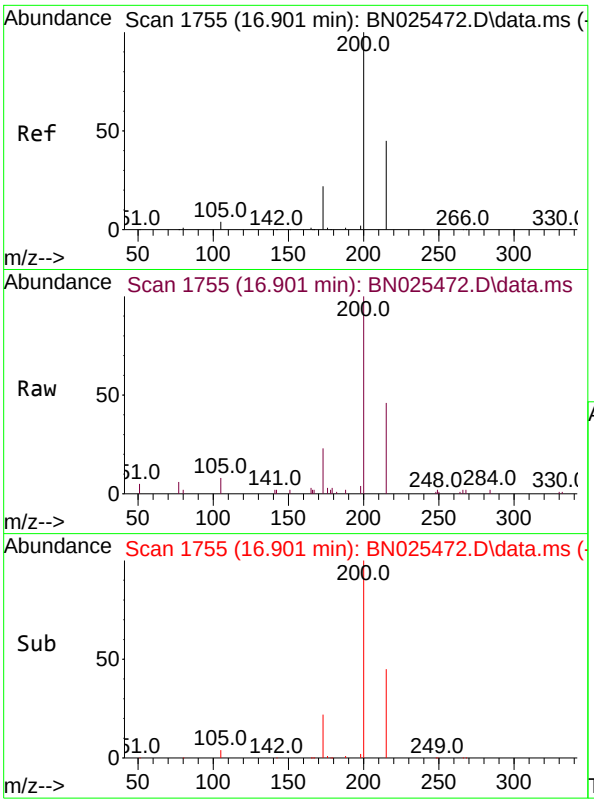


#22
Hexachlorobenzene
Concen: 0.464 ng
RT: 16.752 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:284 Resp: 6907

Ion	Ratio	Lower	Upper
284	100		
142	45.0	36.0	54.0
249	34.7	27.8	41.6



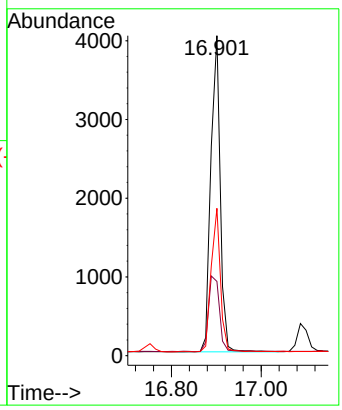


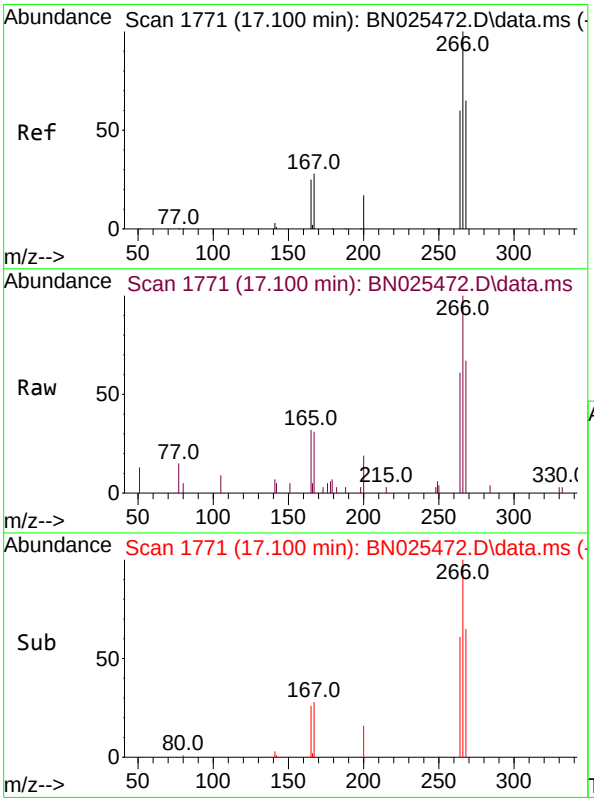
#23
Atrazine
Concen: 0.449 ng
RT: 16.901 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 5825

Ion	Ratio	Lower	Upper
200	100		
173	23.2	18.6	27.8
215	46.1	36.9	55.3

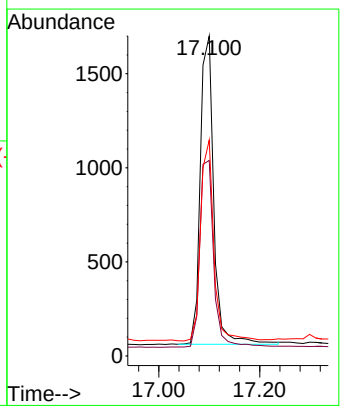


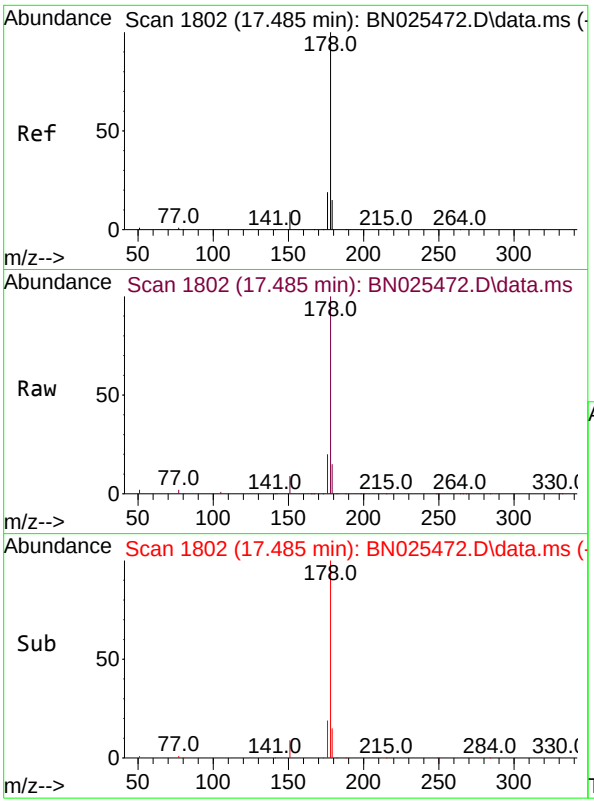


#24
Pentachlorophenol
Concen: 0.406 ng
RT: 17.100 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:266 Resp: 3047

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.8	74.8
268	63.8	51.0	76.6



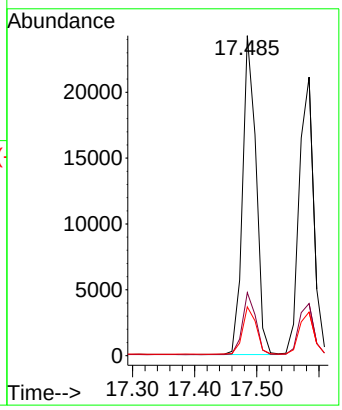


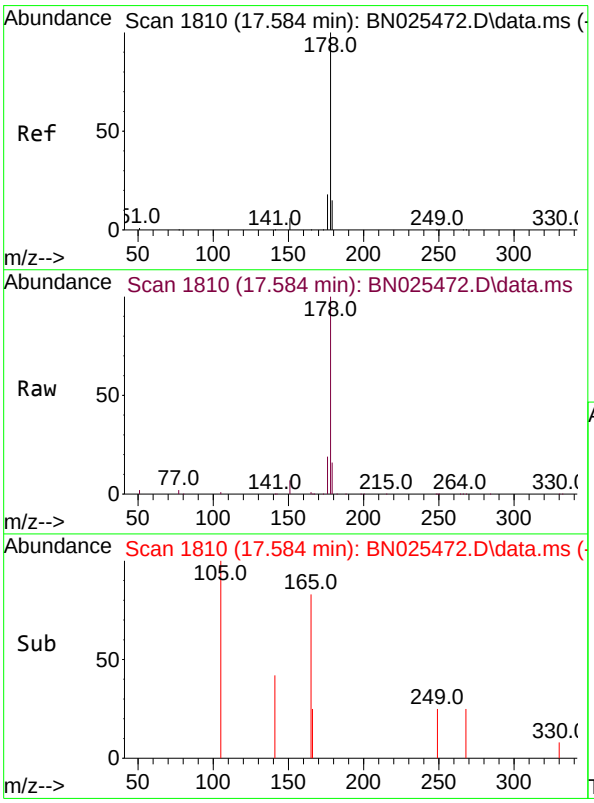
#25
Phenanthrene
Concen: 0.460 ng
RT: 17.485 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 36518

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.1	12.1	18.1

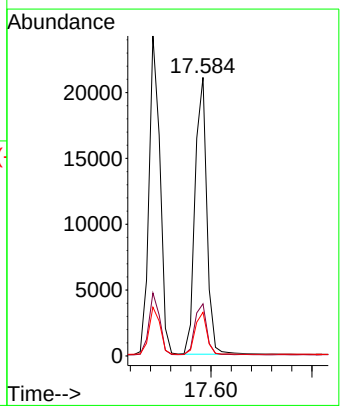


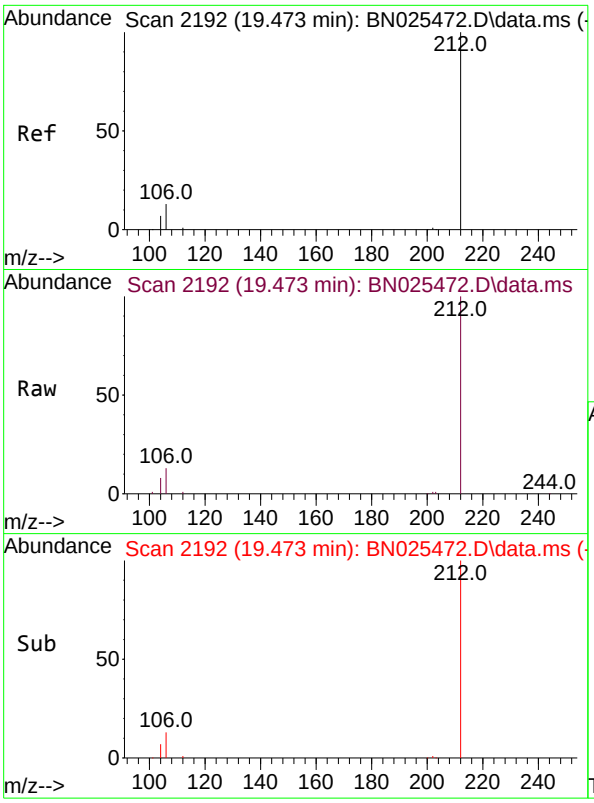


#26
Anthracene
Concen: 0.459 ng
RT: 17.584 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:178 Resp: 34075

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.1	12.1	18.1



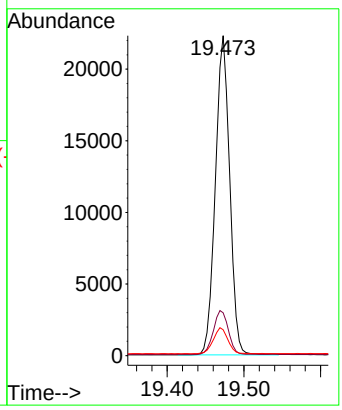


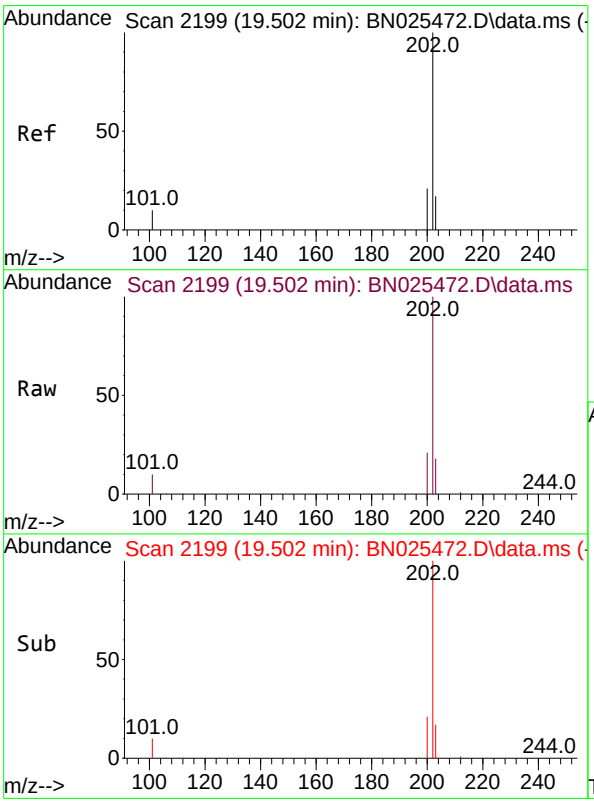
#27
Fluoranthene-d10
Concen: 0.462 ng
RT: 19.473 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 28879

Ion	Ratio	Lower	Upper
212	100		
106	14.3	11.4	17.2
104	8.3	6.6	10.0

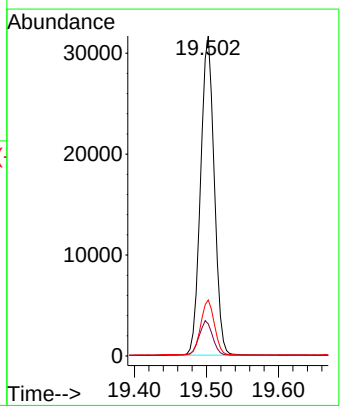


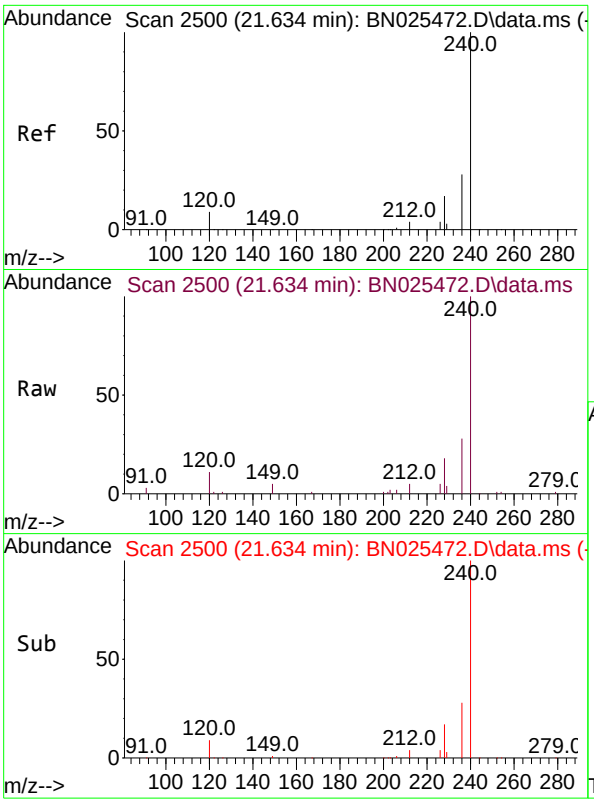


#28
Fluoranthene
Concen: 0.460 ng
RT: 19.502 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:202 Resp: 41517

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.7	13.1
203	17.2	13.8	20.6



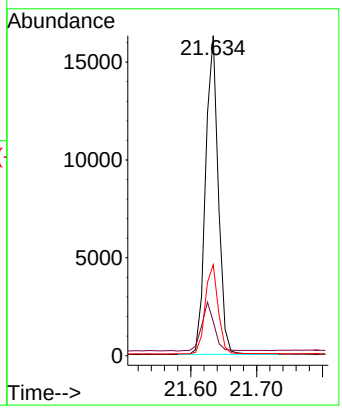


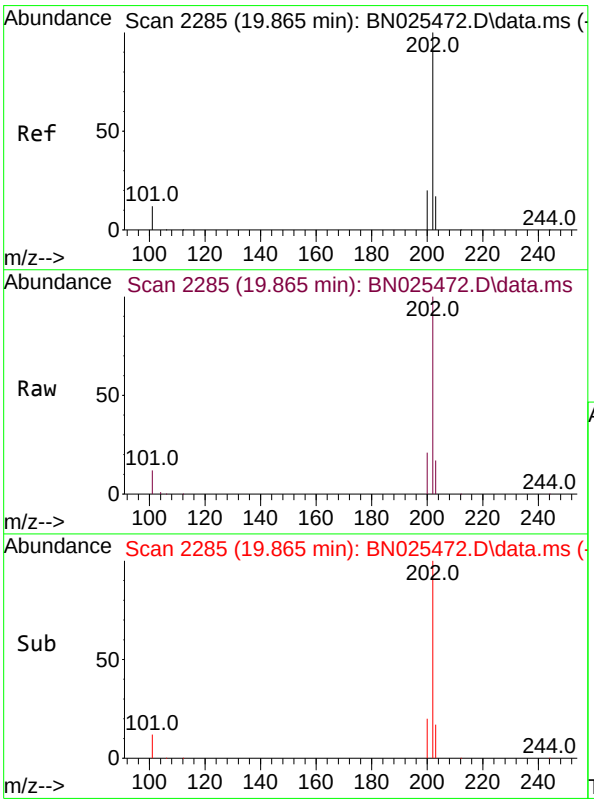
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.634 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 21885

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.6	12.8
236	28.4	22.7	34.1

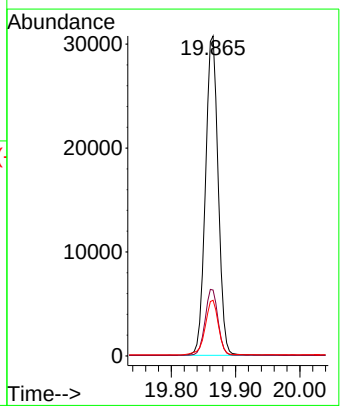


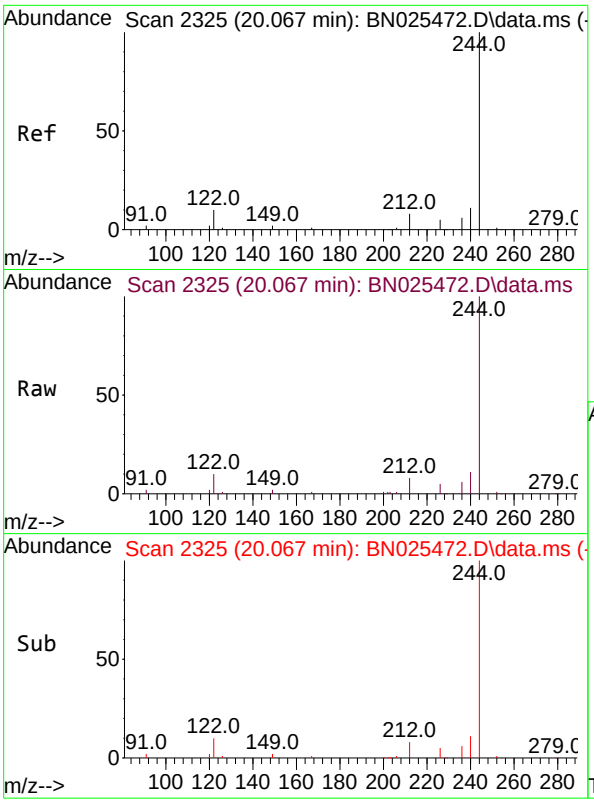


#30
Pyrene
Concen: 0.485 ng
RT: 19.865 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:202 Resp: 42393

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.8	14.2	21.4



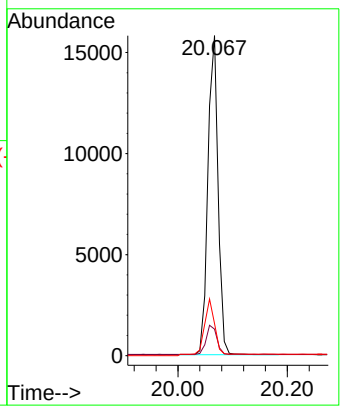


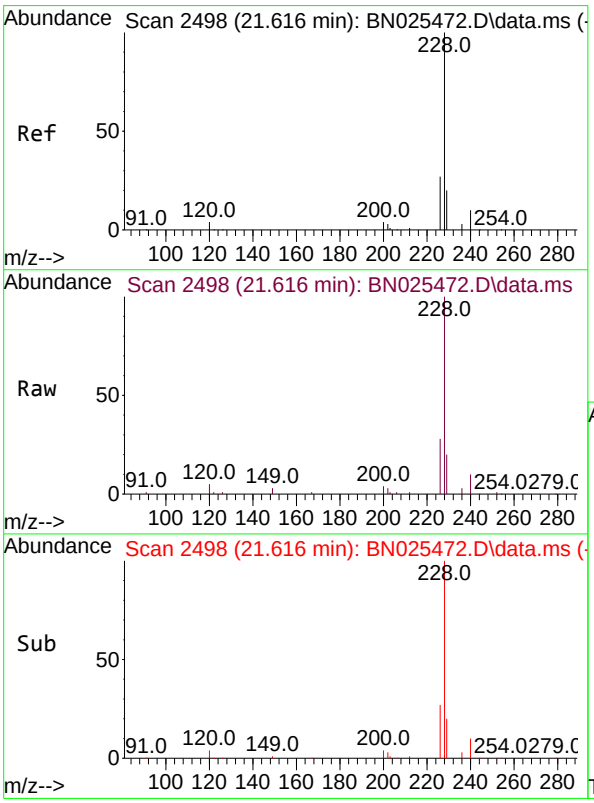
#31
Terphenyl-d14
Concen: 0.506 ng
RT: 20.067 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 19686

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	10.0
122	10.1	8.1	12.1

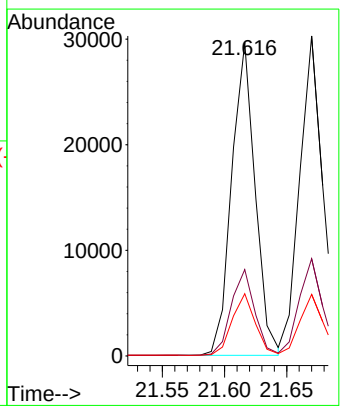


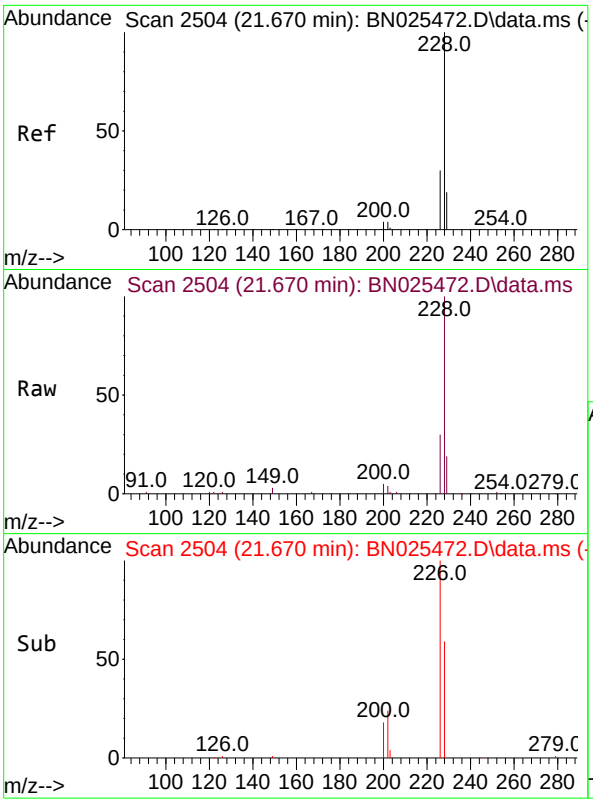


#32
Benzo(a)anthracene
Concen: 0.491 ng
RT: 21.616 min Scan# 2498
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:228 Resp: 38894

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.8	15.8	23.8



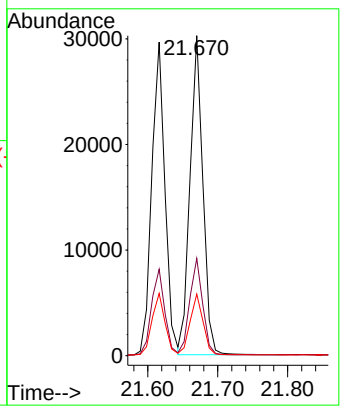


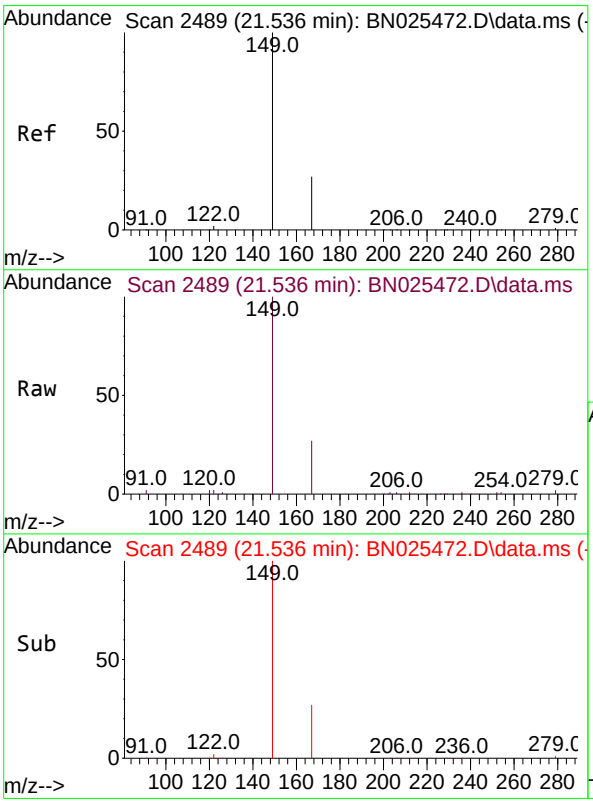
#33
Chrysene
Concen: 0.492 ng
RT: 21.670 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 38695

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.3	15.4	23.2

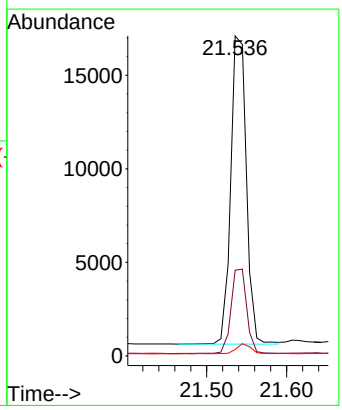


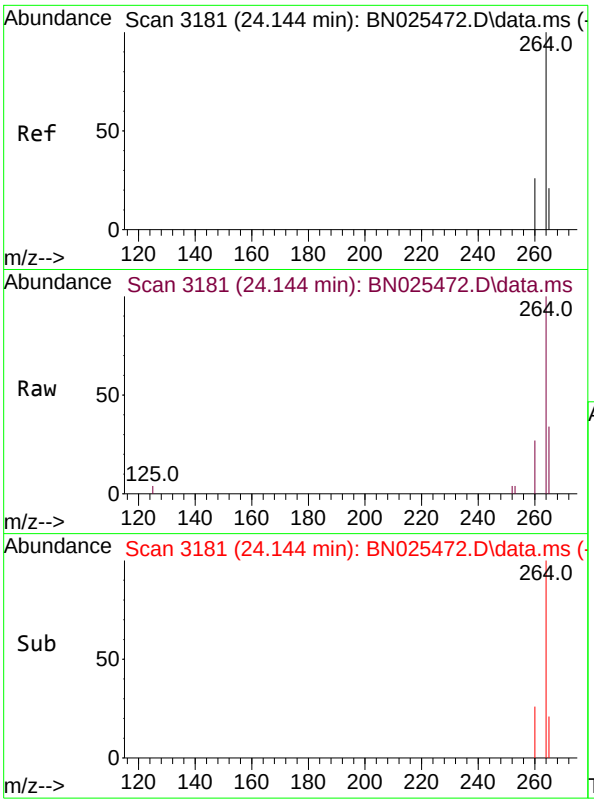


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.479 ng
RT: 21.536 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:149 Resp: 22361

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.0	33.0
279	3.2	2.6	3.8



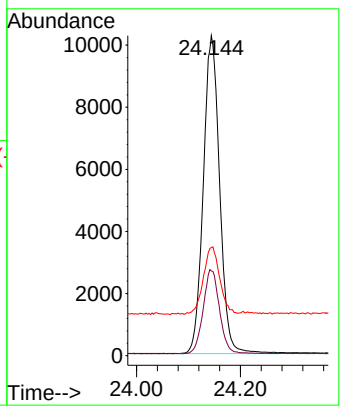


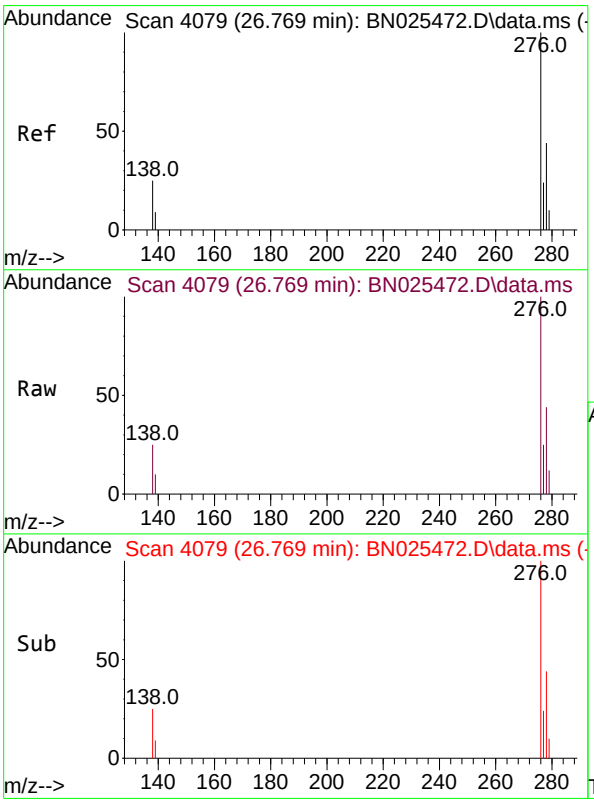
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.144 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 22346

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.2	31.8
265	33.9	27.1	40.7

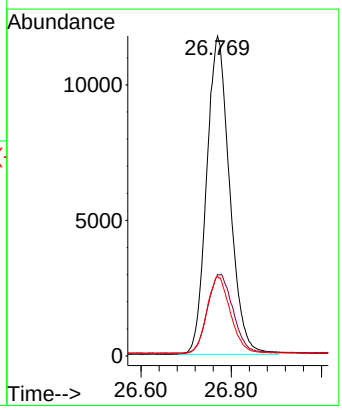


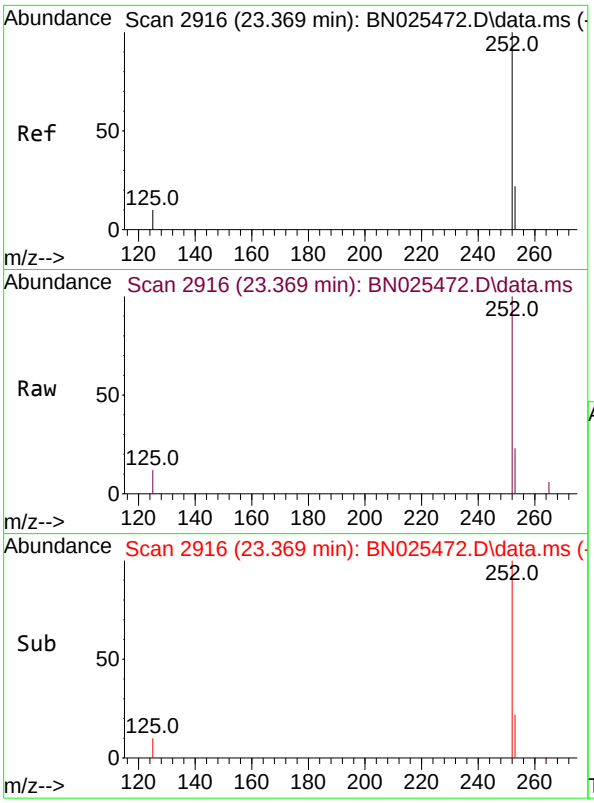


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.460 ng
RT: 26.769 min Scan# 4079
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:276 Resp: 41606

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	24.6	19.7	29.5



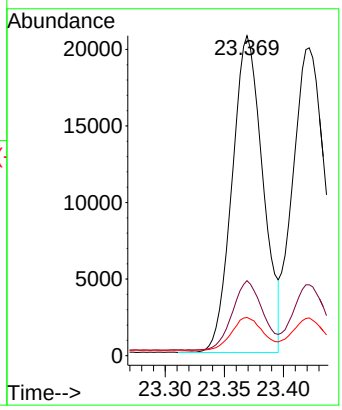


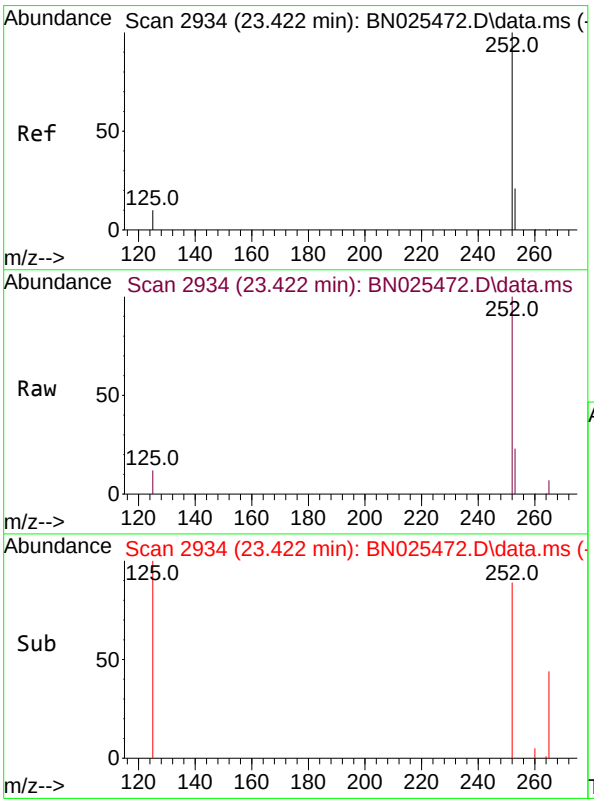
#37
Benzo(b)fluoranthene
Concen: 0.452 ng
RT: 23.369 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 37452

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.8	28.2
125	12.0	9.6	14.4

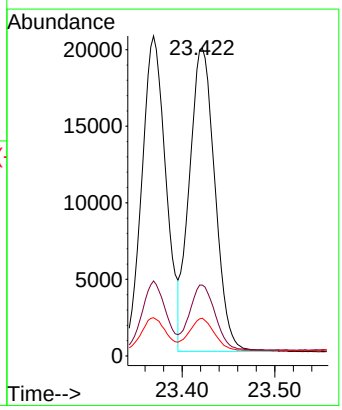


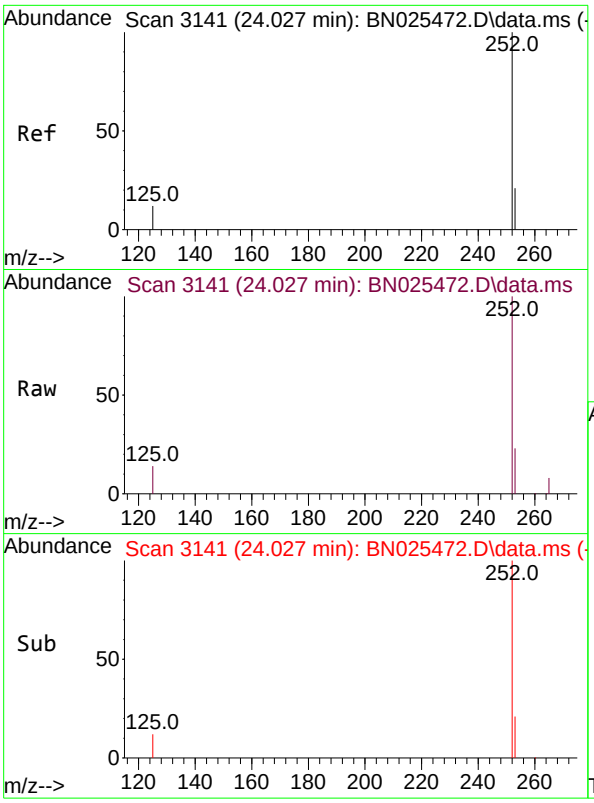


#38
Benzo(k)fluoranthene
Concen: 0.450 ng
RT: 23.422 min Scan# 2934
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:252 Resp: 38013

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	12.3	9.8	14.8



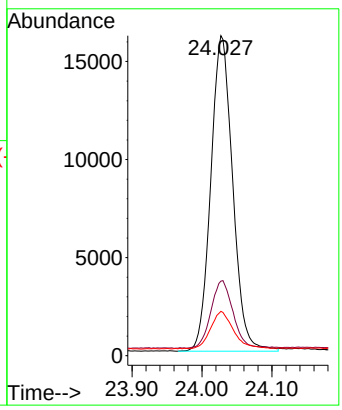


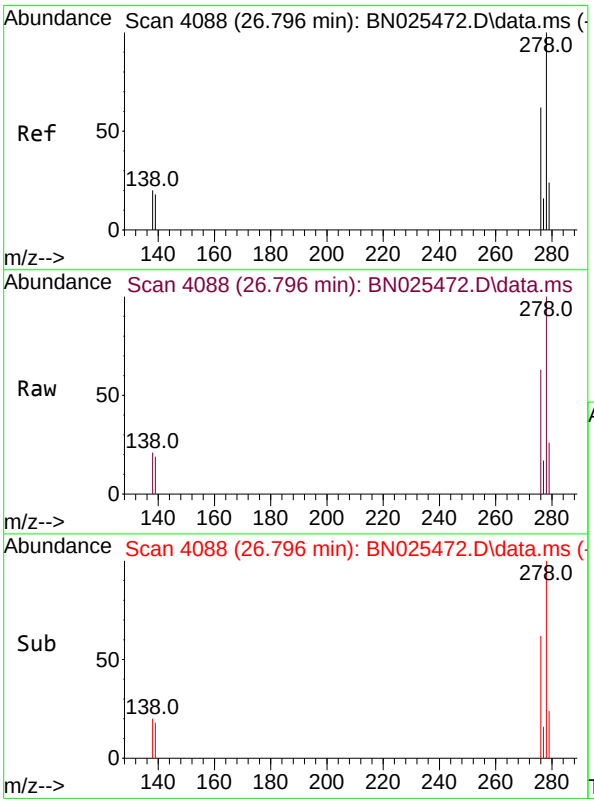
#39
Benzo(a)pyrene
Concen: 0.448 ng
RT: 24.027 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 34992

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	13.8	11.0	16.6

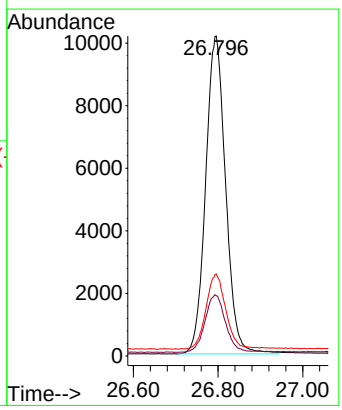


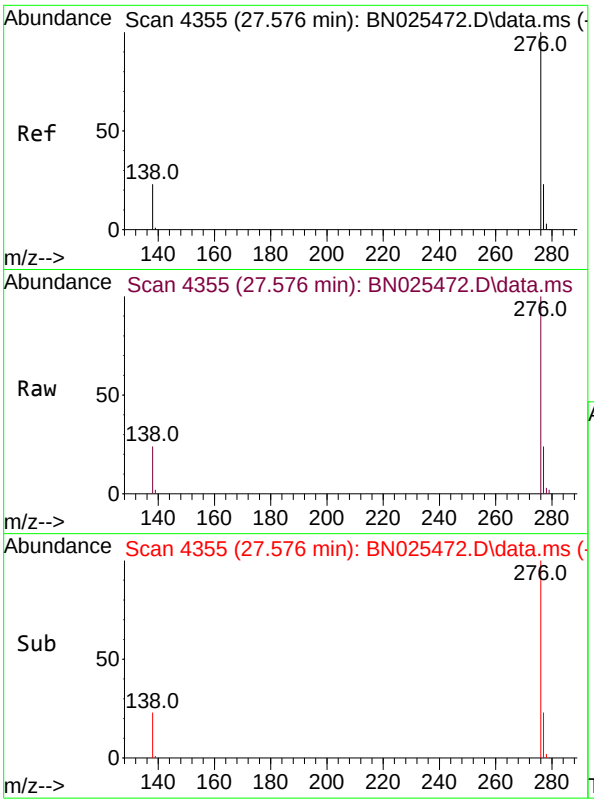


#40
Dibenzo(a,h)anthracene
Concen: 0.460 ng
RT: 26.796 min Scan# 4088
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Tgt Ion:278 Resp: 33329

Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.0	22.6
279	25.6	20.5	30.7





#41
Benzo(g,h,i)perylene
Concen: 0.465 ng
RT: 27.576 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN025472.D
Acq: 18 May 2023 12:48

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 35491

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	24.0	19.2	28.8