Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031323\
Data File : BN024250.D
Acq On : 13 Mar 2023 17:30
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Quant Time: Mar 14 03:16:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 14 03:11:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.047	152	9538	0.400	ng		0.00
7) Naphthalene-d8	10.866	136	27348	0.400	ng		0.00
13) Acenaphthene-d10	14.675	164	14803	0.400	ng		0.00
19) Phenanthrene-d10	17.425	188	31428	0.400	ng		0.00
29) Chrysene-d12	21.619	240	24102	0.400	ng		0.00
35) Perylene-d12	24.135	264	18364	0.400	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.584	112	8081	0.383	ng		0.00
5) Phenol-d6	7.195	99	10069	0.371	ng		0.00
8) Nitrobenzene-d5	9.211	82	6957	0.381	ng		0.00
11) 2-Methylnaphthalene-d10	12.444	152	13301	0.396	ng		0.00
14) 2,4,6-Tribromophenol	16.171	330	2644	0.349	ng		0.01
15) 2-Fluorobiphenyl	13.307	172	22549	0.403	ng		0.00
27) Fluoranthene-d10	19.450	212	25511	0.383	ng		0.00
31) Terphenyl-d14	20.042	244	16956	0.417	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.439	88	4234	0.408	ng		99
3) n-Nitrosodimethylamine	3.764	42	6107	0.401	ng		99
6) bis(2-Chloroethyl)ether	7.462	93	10860	0.403	ng		100
9) Naphthalene	10.919	128	27674	0.398	ng		100
10) Hexachlorobutadiene	11.208	225	5359	0.406	ng	#	99
12) 2-Methylnaphthalene	12.520	142	18446	0.393	ng		99
16) Acenaphthylene	14.397	152	26960	0.384	ng		100
17) Acenaphthene	14.739	154	17382	0.389	ng		99
18) Fluorene	15.725	166	20450	0.383	ng		100
20) 4,6-Dinitro-2-methylph...	15.787	198	1325	0.404	ng		93
21) 4-Bromophenyl-phenylether	16.618	248	7255	0.388	ng		99
22) Hexachlorobenzene	16.730	284	9249	0.403	ng		99
23) Atrazine	16.879	200	4121	0.348	ng		99
24) Pentachlorophenol	17.065	266	3520	0.381	ng		98
25) Phenanthrene	17.462	178	36661	0.394	ng		100
26) Anthracene	17.549	178	31799	0.370	ng		100
28) Fluoranthene	19.480	202	39257	0.385	ng		100
30) Pyrene	19.842	202	39107	0.400	ng		100
32) Benzo(a)anthracene	21.601	228	30159	0.375	ng		100
33) Chrysene	21.654	228	33969	0.396	ng		100
34) Bis(2-ethylhexyl)phtha...	21.511	149	13061	0.345	ng		100
36) Indeno(1,2,3-cd)pyrene	26.760	276	24882	0.362	ng		99
37) Benzo(b)fluoranthene	23.363	252	27998	0.392	ng		99
38) Benzo(k)fluoranthene	23.413	252	28759	0.390	ng		99
39) Benzo(a)pyrene	24.015	252	24129	0.368	ng		100
40) Dibenzo(a,h)anthracene	26.786	278	19184	0.360	ng		99
41) Benzo(g,h,i)perylene	27.579	276	22600	0.363	ng		98

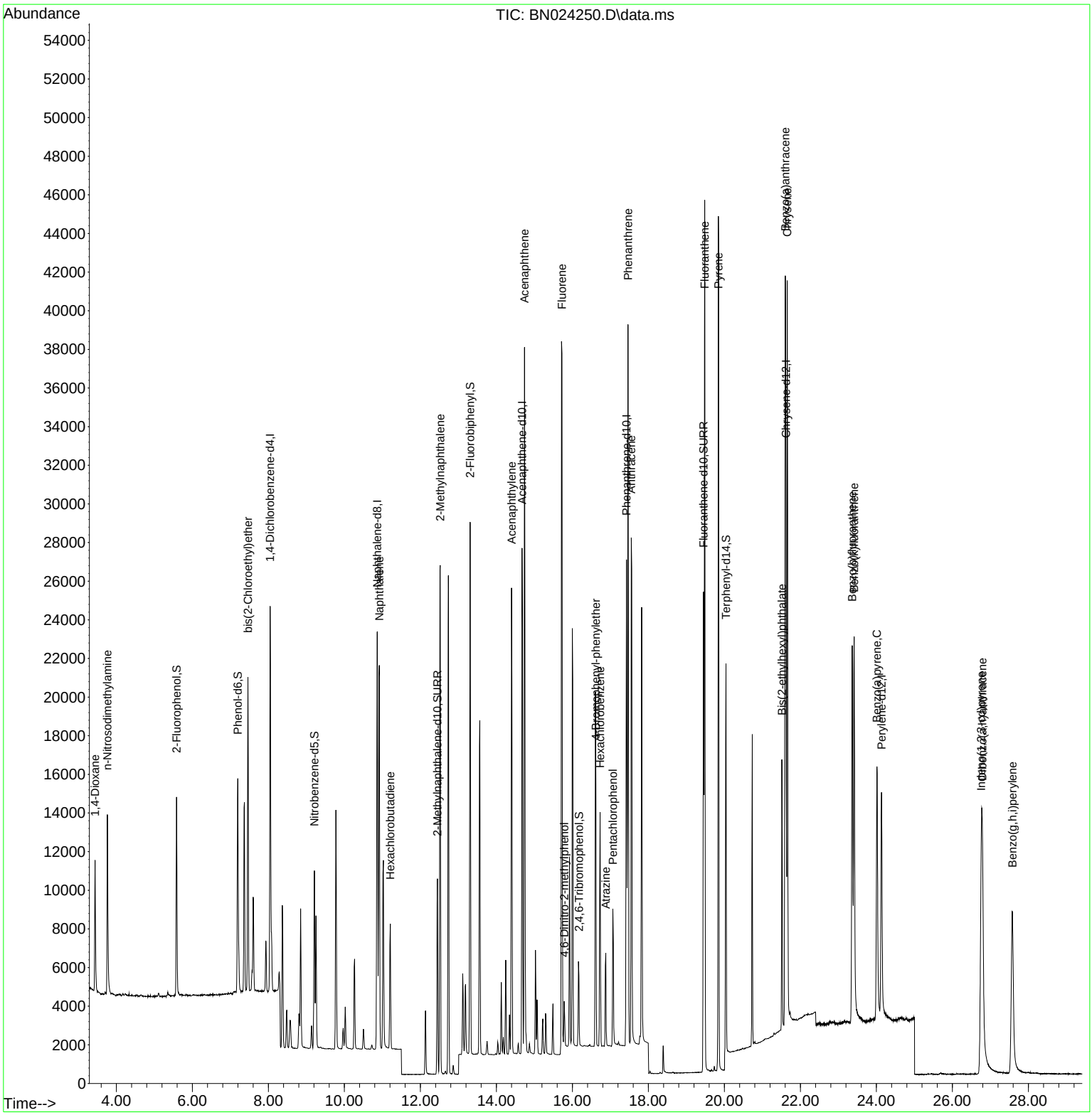
(#) = qualifier out of range (m) = manual integration (+) = signals summed

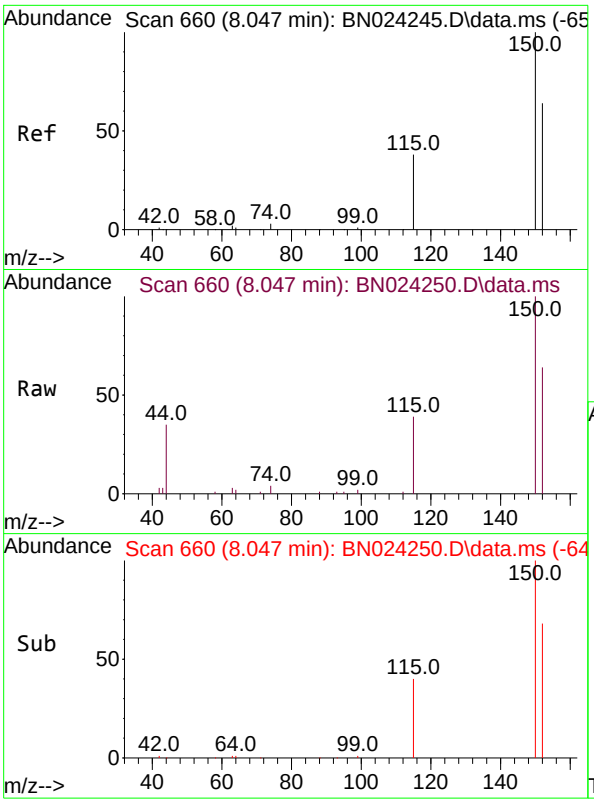
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031323\
Data File : BN024250.D
Acq On : 13 Mar 2023 17:30
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Quant Time: Mar 14 03:16:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 14 03:11:52 2023
Response via : Initial Calibration



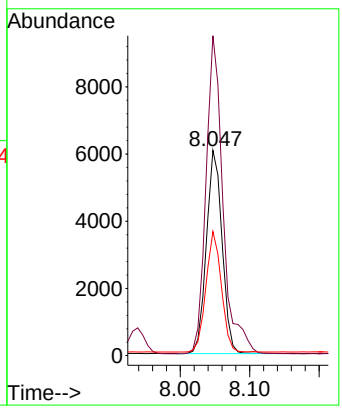


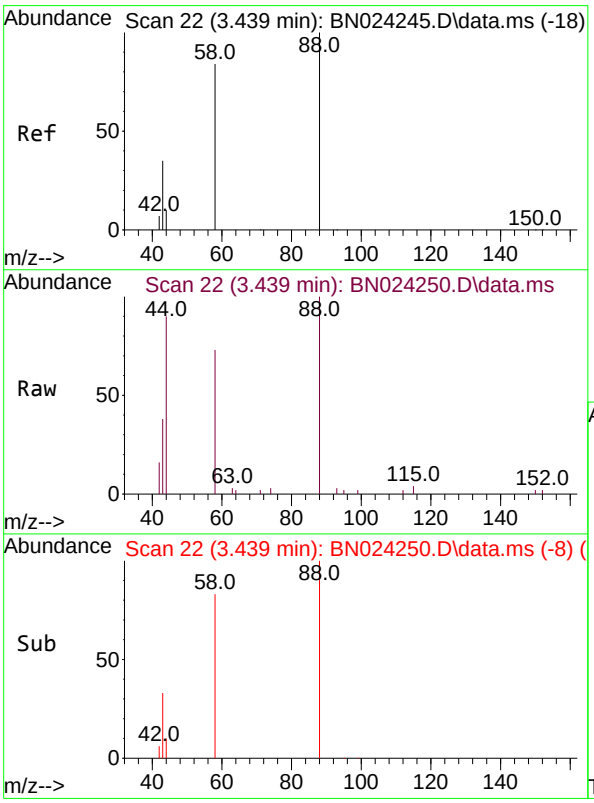
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.047 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:152 Resp: 9538

Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.7	187.1
115	60.5	49.1	73.7

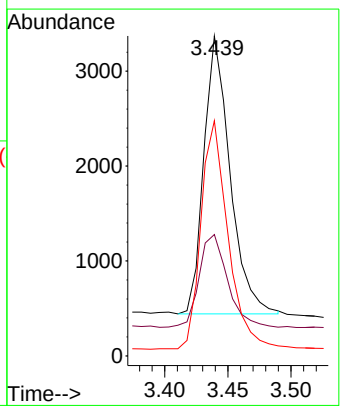


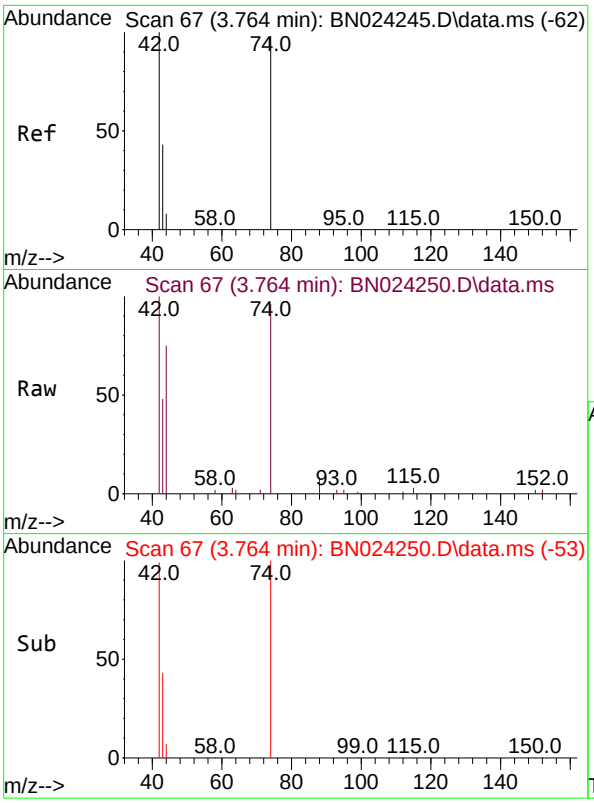


#2
1,4-Dioxane
Concen: 0.408 ng
RT: 3.439 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion: 88 Resp: 4234

Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.0	43.4
58	85.0	67.3	100.9



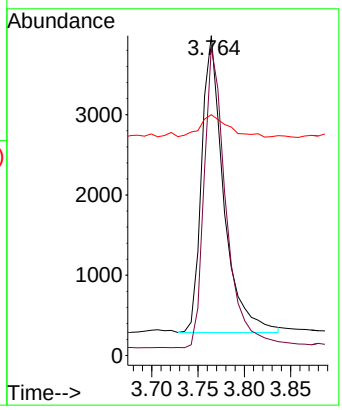


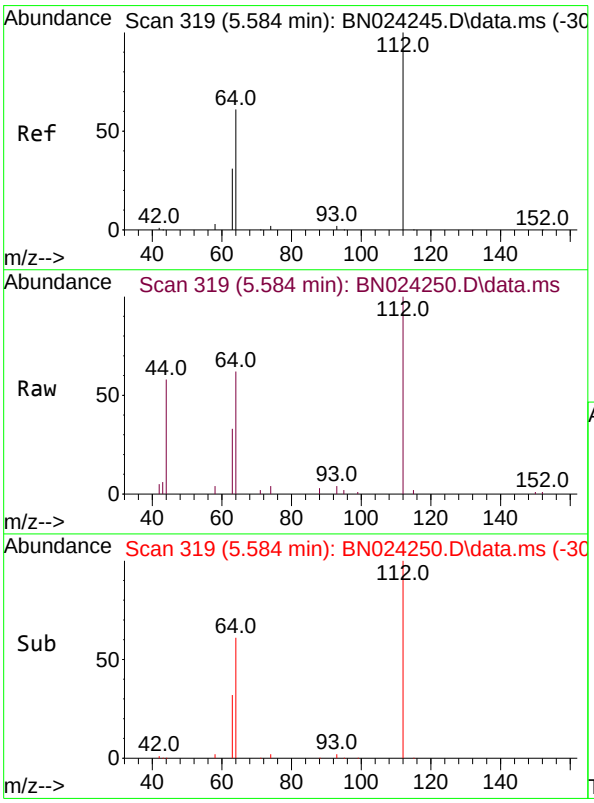
#3
n-Nitrosodimethylamine
Concen: 0.401 ng
RT: 3.764 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion: 42 Resp: 6107

Ion	Ratio	Lower	Upper
42	100		
74	101.0	81.6	122.4
44	9.0	7.3	10.9

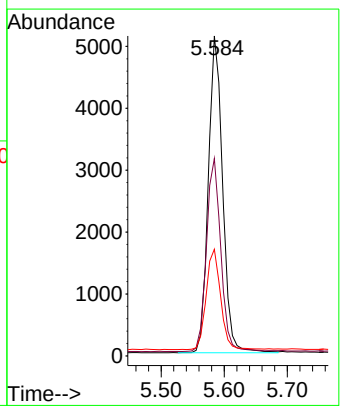


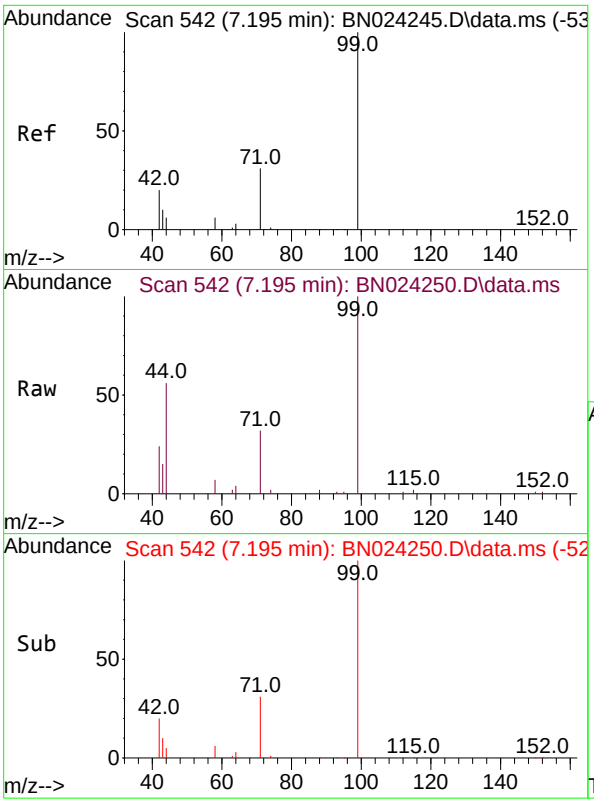


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.584 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:112 Resp: 8081

Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.0	73.6
63	32.0	25.7	38.5



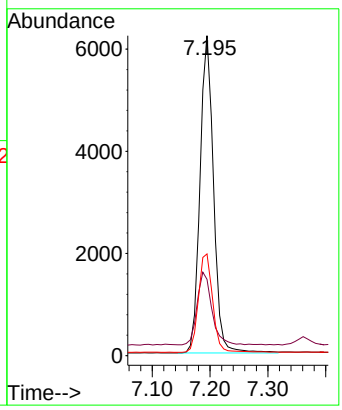


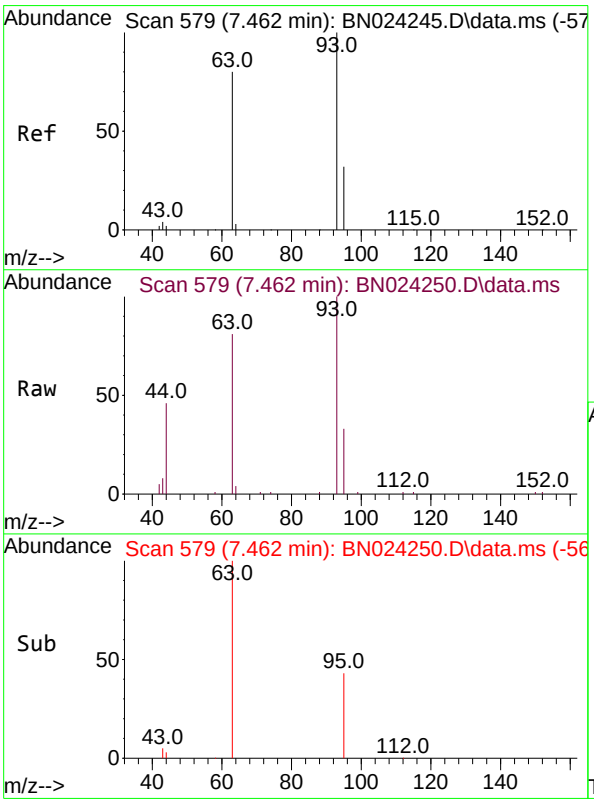
#5
Phenol-d6
Concen: 0.371 ng
RT: 7.195 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion: 99 Resp: 10069

Ion	Ratio	Lower	Upper
99	100		
42	25.0	20.1	30.1
71	32.6	25.8	38.8

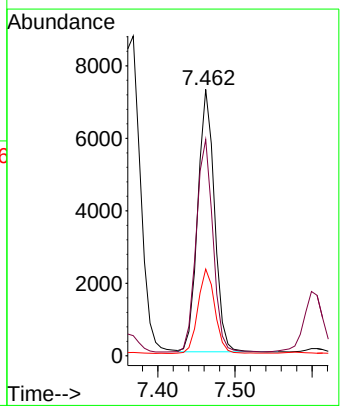


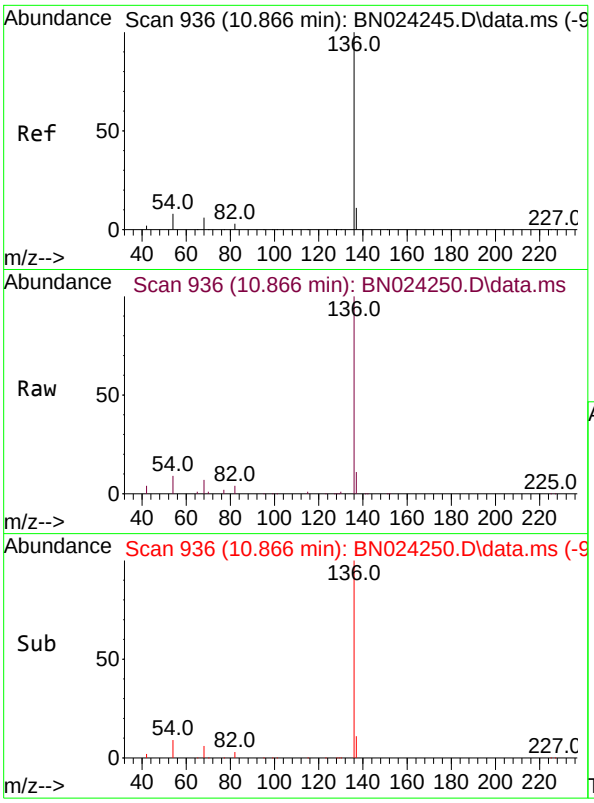


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.462 min Scan# 579
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion: 93 Resp: 10860

Ion	Ratio	Lower	Upper
93	100		
63	81.5	65.4	98.2
95	32.5	25.8	38.8



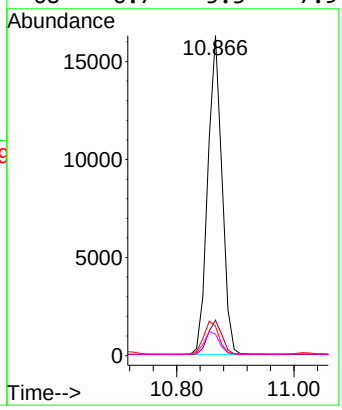


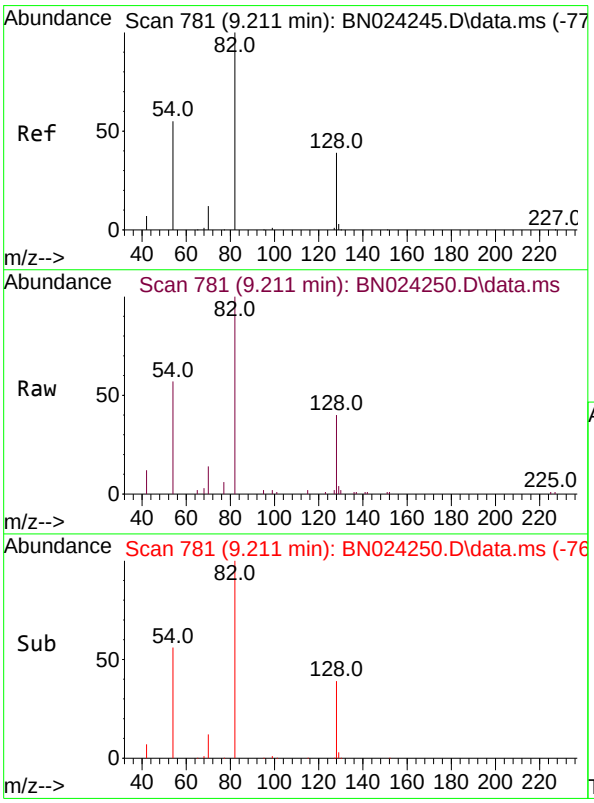
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.866 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:136 Resp: 27348

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.2	7.1	10.7
68	6.7	5.3	7.9

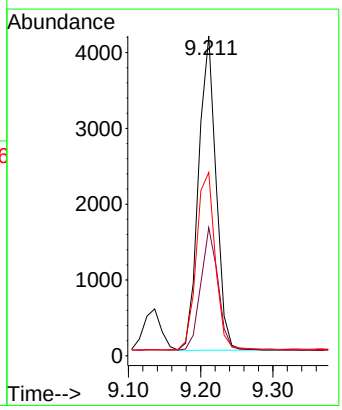


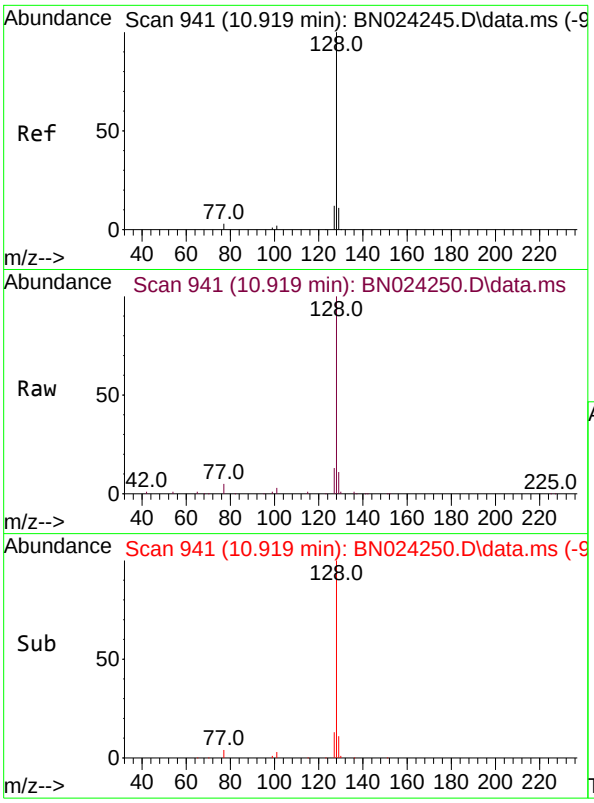


#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 9.211 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion: 82 Resp: 6957

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.4	48.6
54	57.3	45.2	67.8



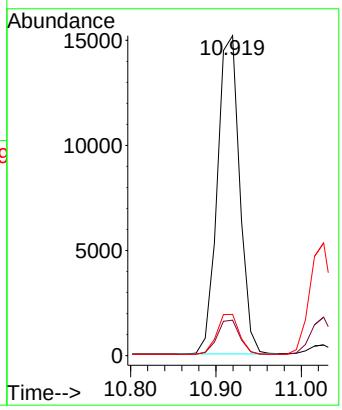


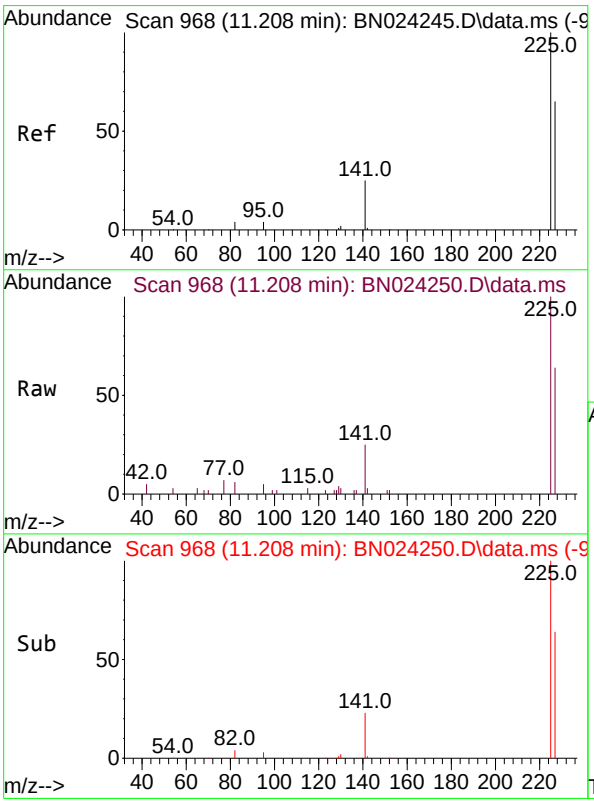
#9
Naphthalene
Concen: 0.398 ng
RT: 10.919 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:128 Resp: 27674

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	12.9	10.2	15.4

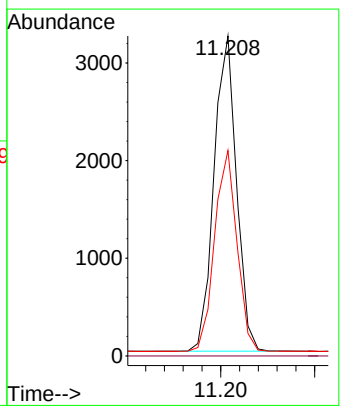


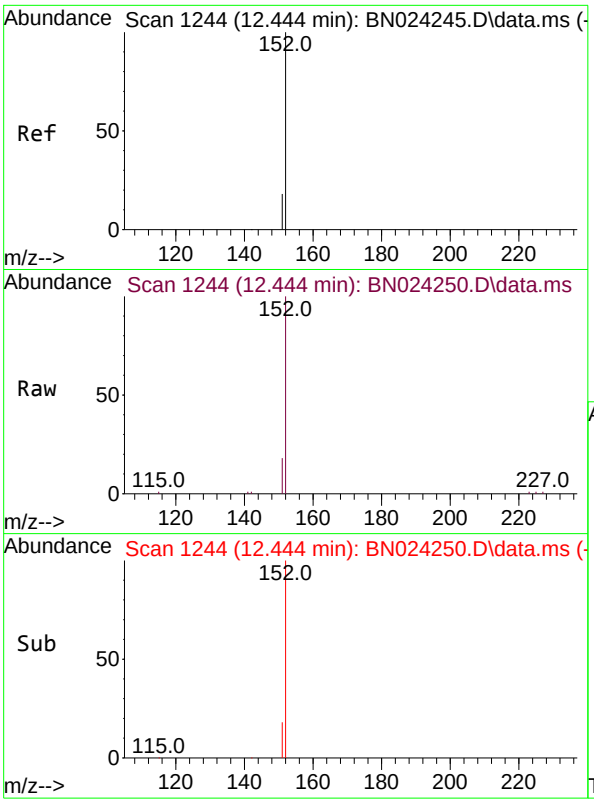


#10
Hexachlorobutadiene
Concen: 0.406 ng
RT: 11.208 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:225 Resp: 5359

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.0	76.4



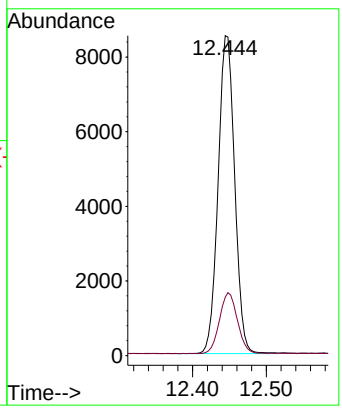


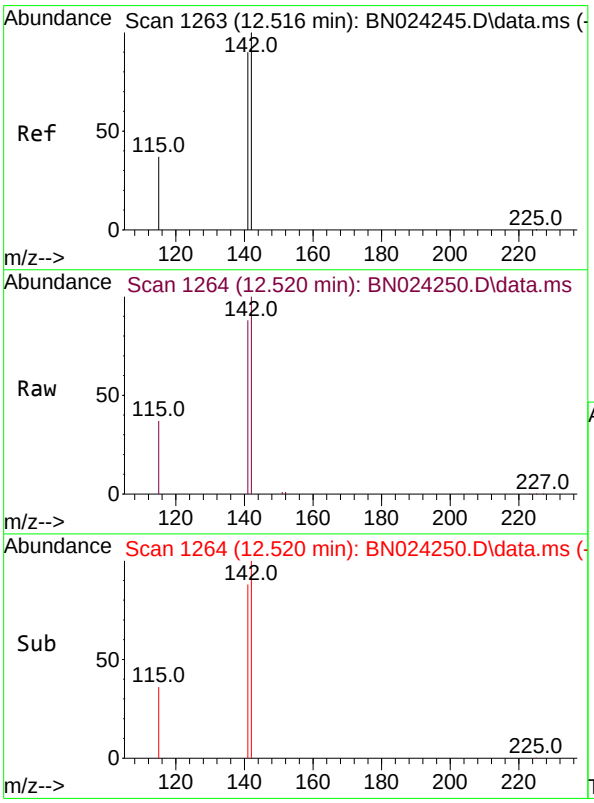
#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 12.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:152 Resp: 13301

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2

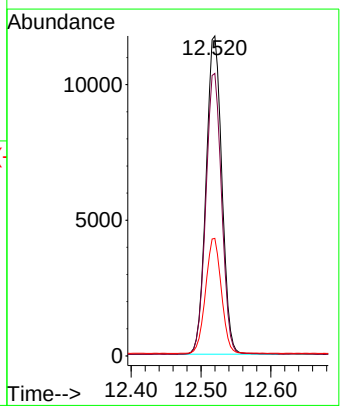


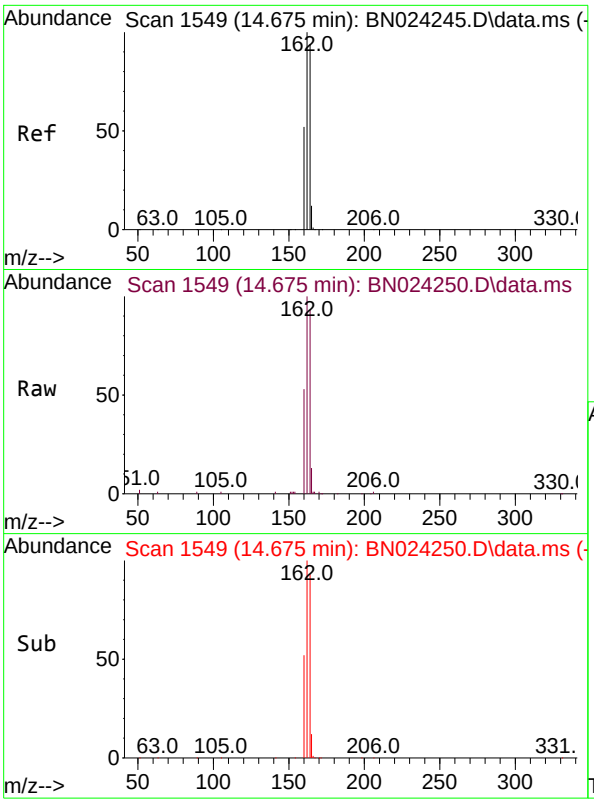


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.520 min Scan# 1264
Delta R.T. 0.004 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:142 Resp: 18446

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.8	107.6
115	36.7	30.0	45.0





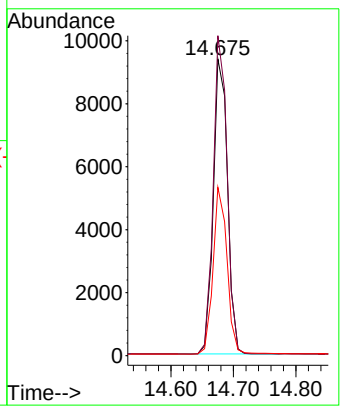
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.675 min Scan# 1

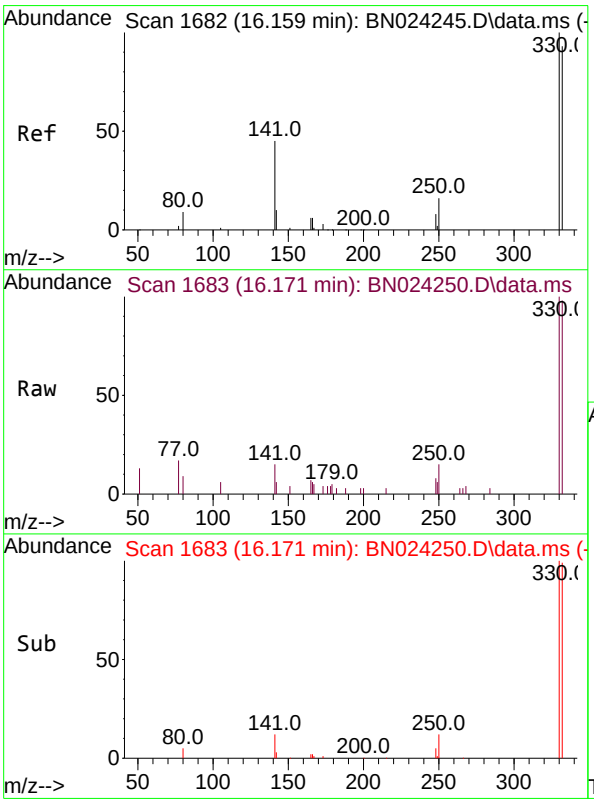
Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:164 Resp: 14803

Ion	Ratio	Lower	Upper
164	100		
162	107.9	84.7	127.1
160	56.7	44.6	66.8

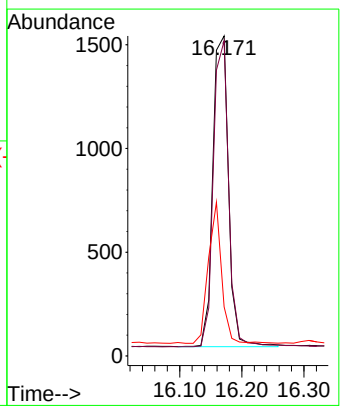


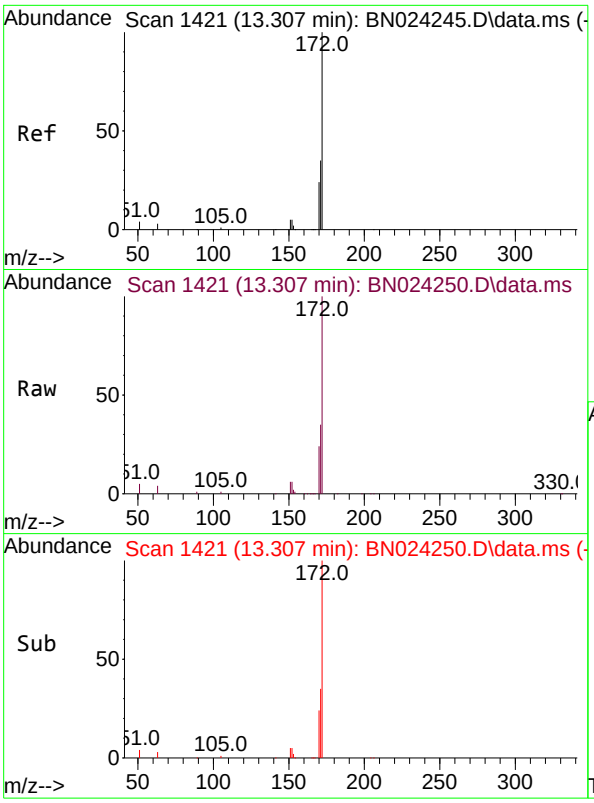


#14
2,4,6-Tribromophenol
Concen: 0.349 ng
RT: 16.171 min Scan# 1683
Delta R.T. 0.012 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:330 Resp: 2644

Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.0	117.0
141	38.4	30.8	46.2



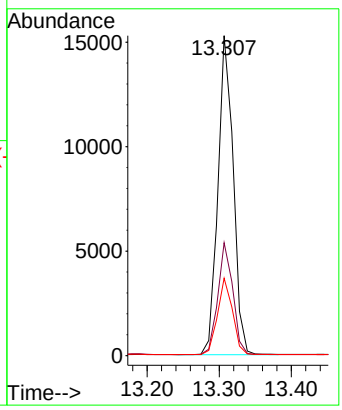


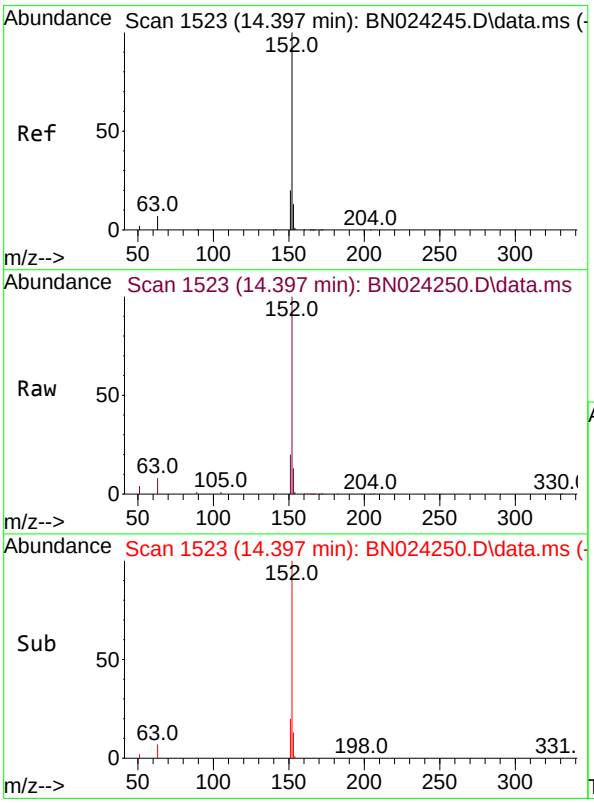
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.307 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:172 Resp: 22549

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.8
170	24.2	19.0	28.6

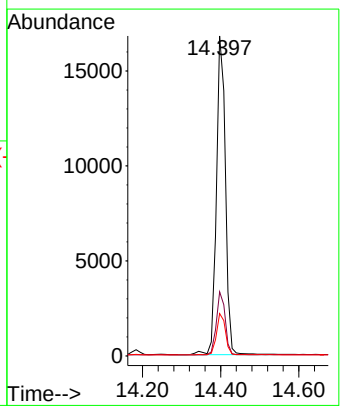


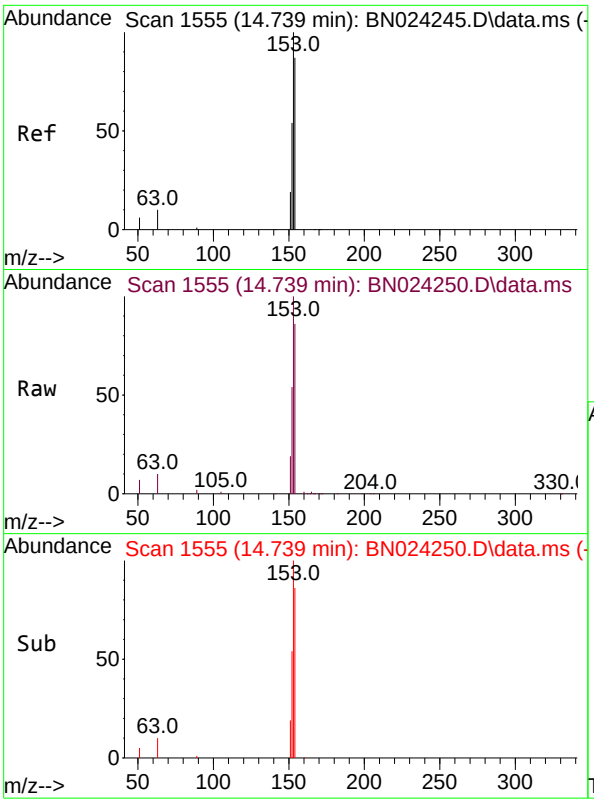


#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.397 min Scan# 1523
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:152 Resp: 26960

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0
153	12.9	10.4	15.6



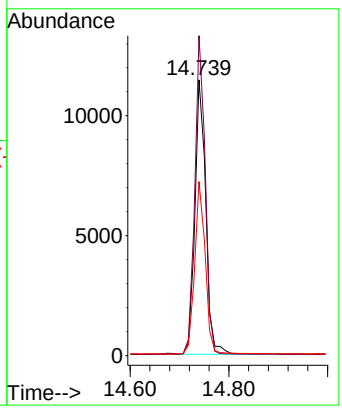


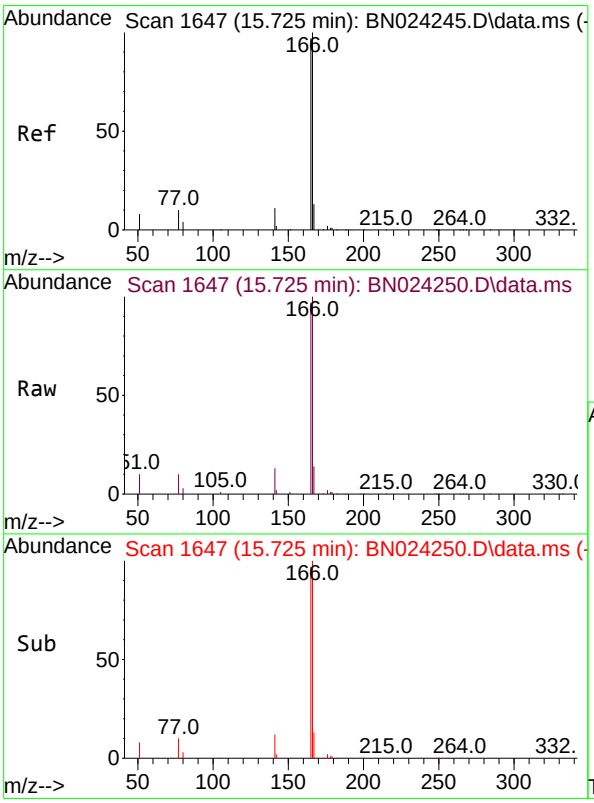
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:154 Resp: 17382

Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.4	132.6
152	61.5	48.7	73.1

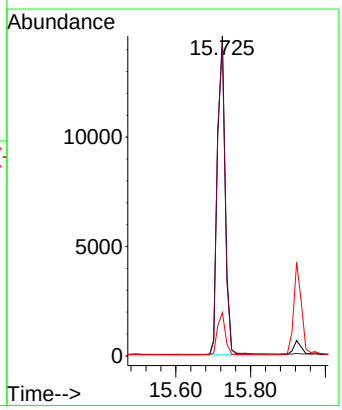


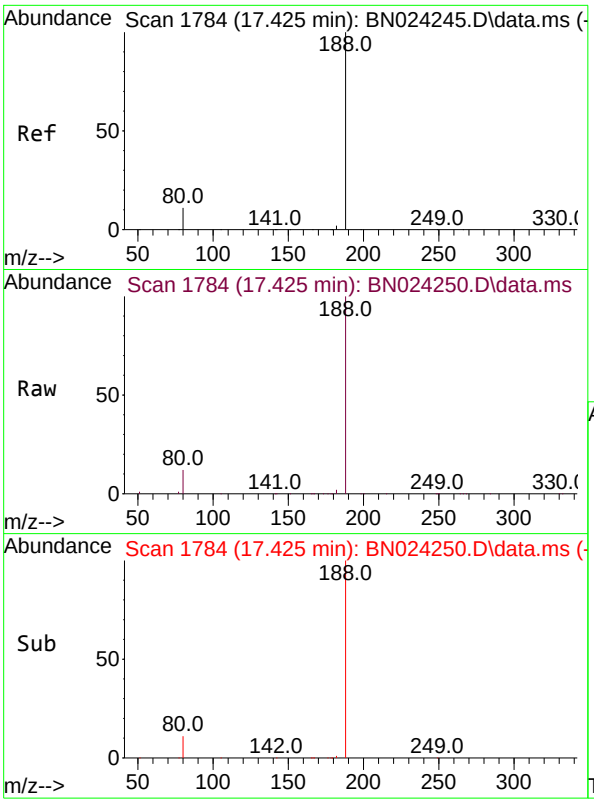


#18
Fluorene
Concen: 0.383 ng
RT: 15.725 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:166 Resp: 20450

Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.2	120.2
167	13.7	10.8	16.2





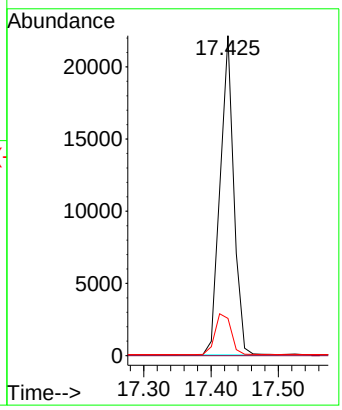
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.425 min Scan# 1

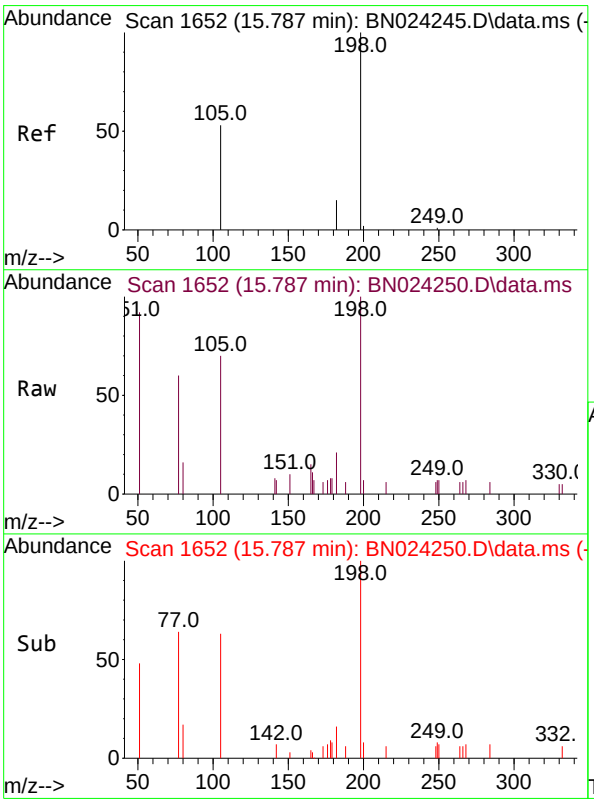
Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:188 Resp: 31428

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	8.9	13.3

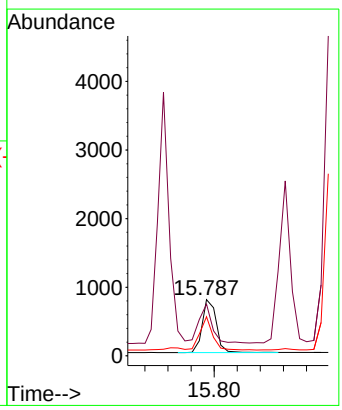


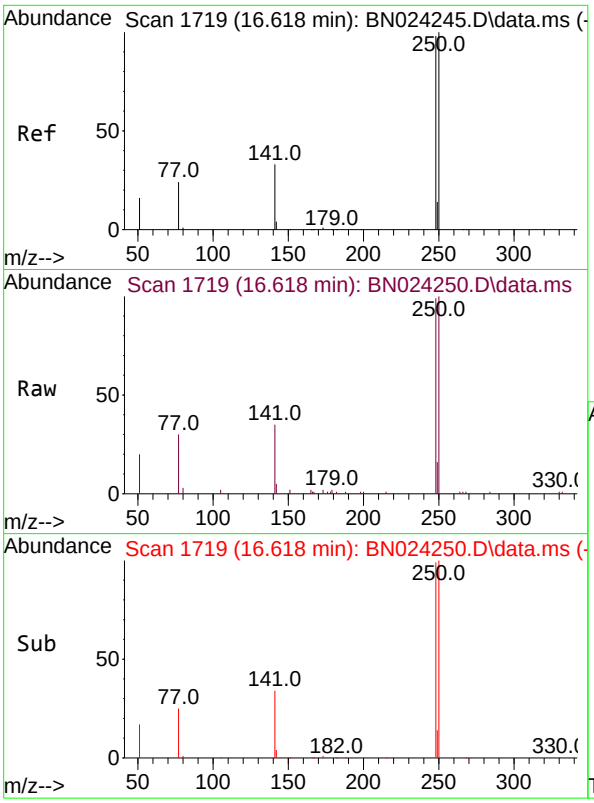


#20
4,6-Dinitro-2-methylphenol
Concen: 0.404 ng
RT: 15.787 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:198 Resp: 1325

Ion	Ratio	Lower	Upper
198	100		
51	92.1	68.2	102.2
105	69.6	51.6	77.4



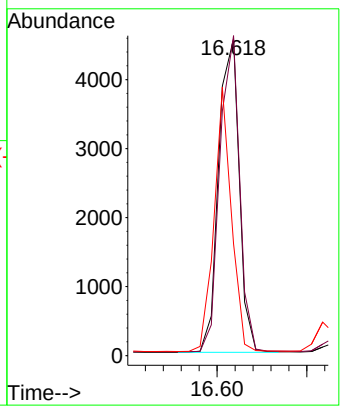


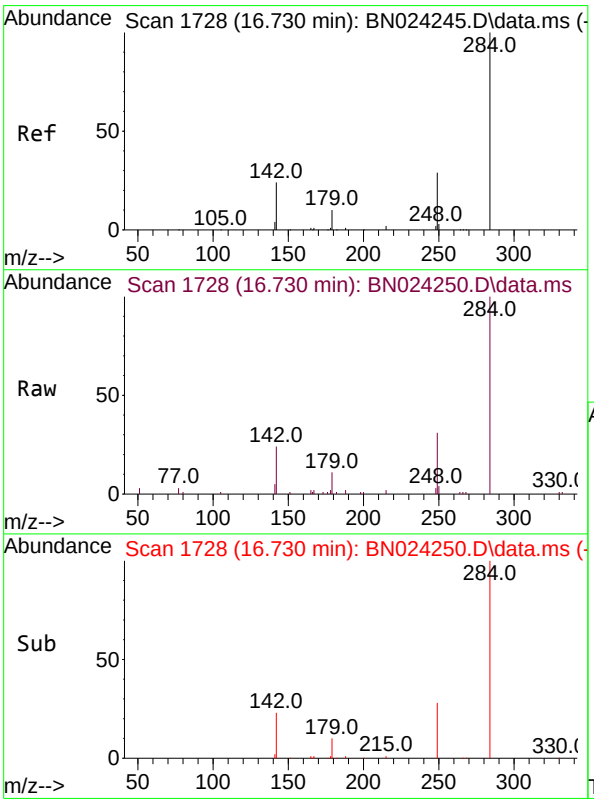
#21
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 16.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:248 Resp: 7255

Ion	Ratio	Lower	Upper
248	100		
250	101.0	81.9	122.9
141	35.3	28.2	42.2

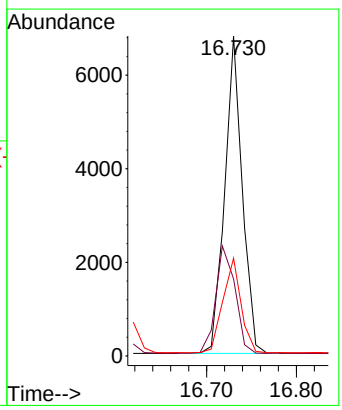


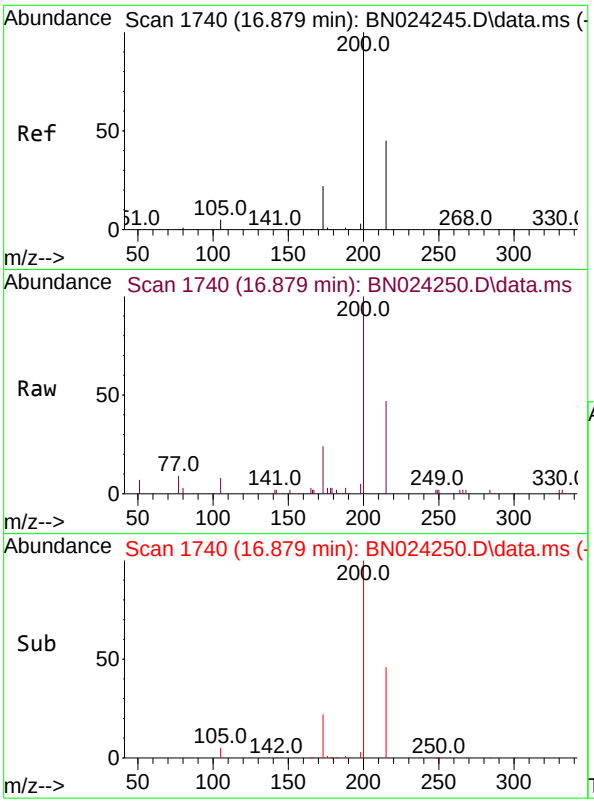


#22
Hexachlorobenzene
Concen: 0.403 ng
RT: 16.730 min Scan# 1728
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:284 Resp: 9249

Ion	Ratio	Lower	Upper
284	100		
142	37.0	30.2	45.4
249	30.6	24.5	36.7



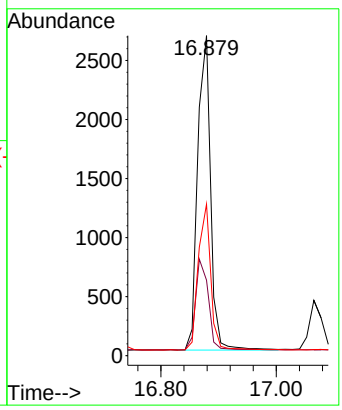


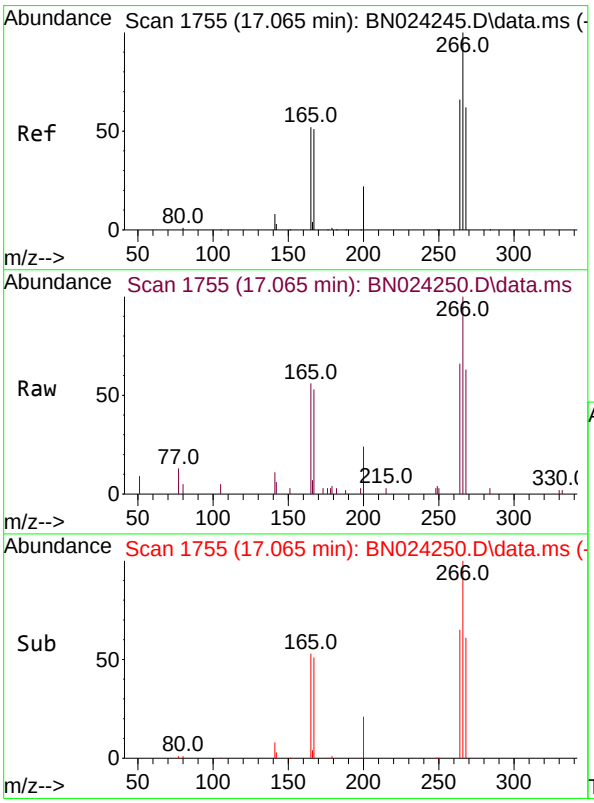
#23
Atrazine
Concen: 0.348 ng
RT: 16.879 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:200 Resp: 4121

Ion	Ratio	Lower	Upper
200	100		
173	23.6	18.9	28.3
215	47.3	36.7	55.1

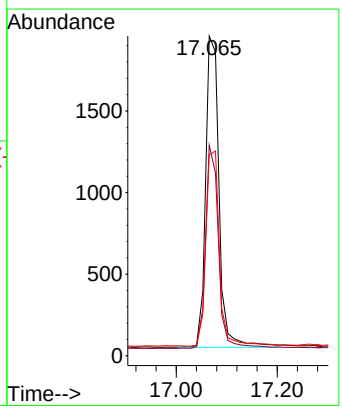


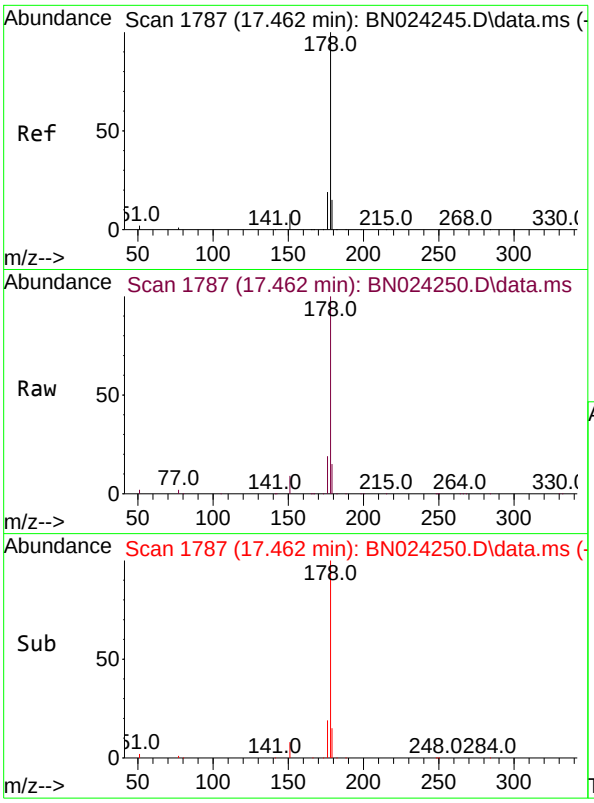


#24
Pentachlorophenol
Concen: 0.381 ng
RT: 17.065 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:266 Resp: 3520

Ion	Ratio	Lower	Upper
266	100		
264	62.8	51.1	76.7
268	63.5	52.2	78.4



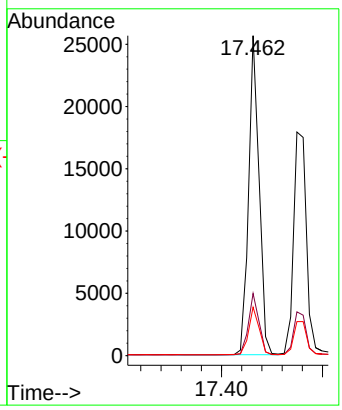


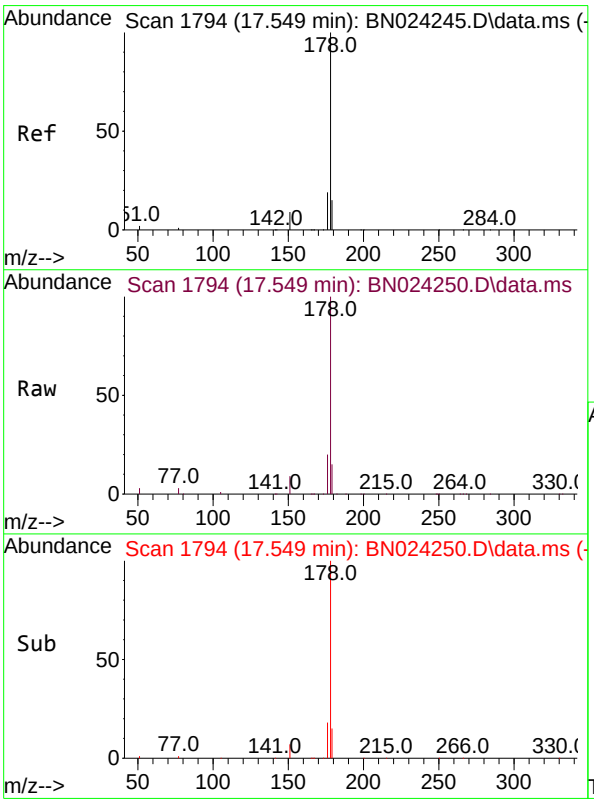
#25
Phenanthrene
Concen: 0.394 ng
RT: 17.462 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:178 Resp: 36661

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.1	12.2	18.2

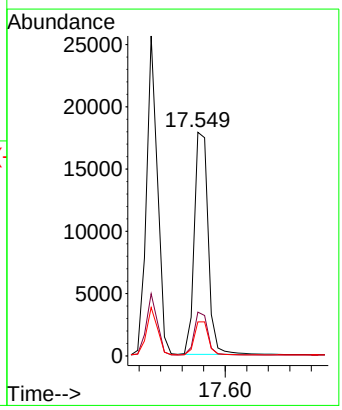


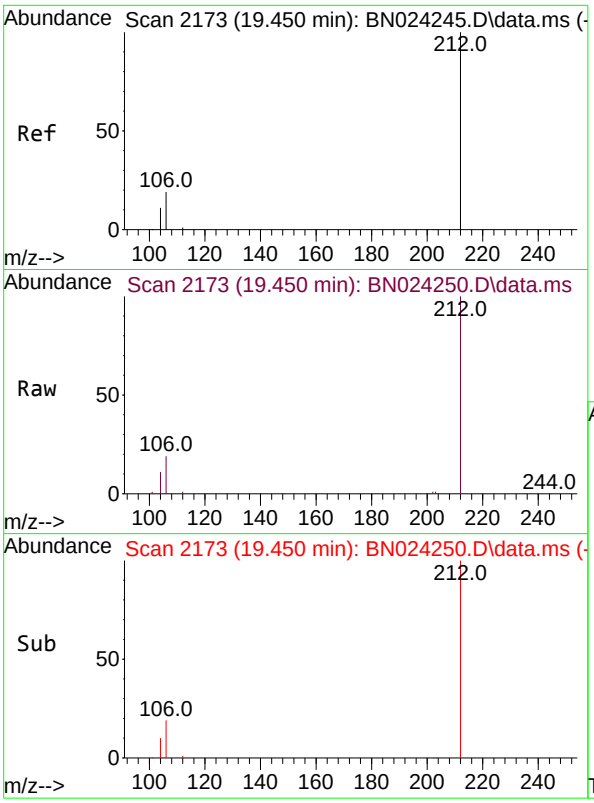


#26
Anthracene
Concen: 0.370 ng
RT: 17.549 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:178 Resp: 31799

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.0	12.1	18.1



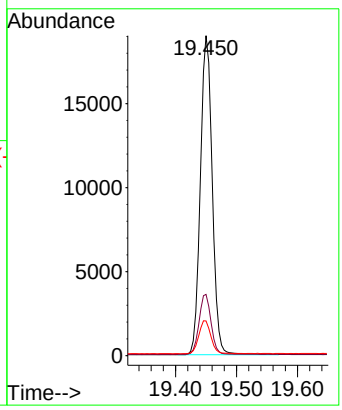


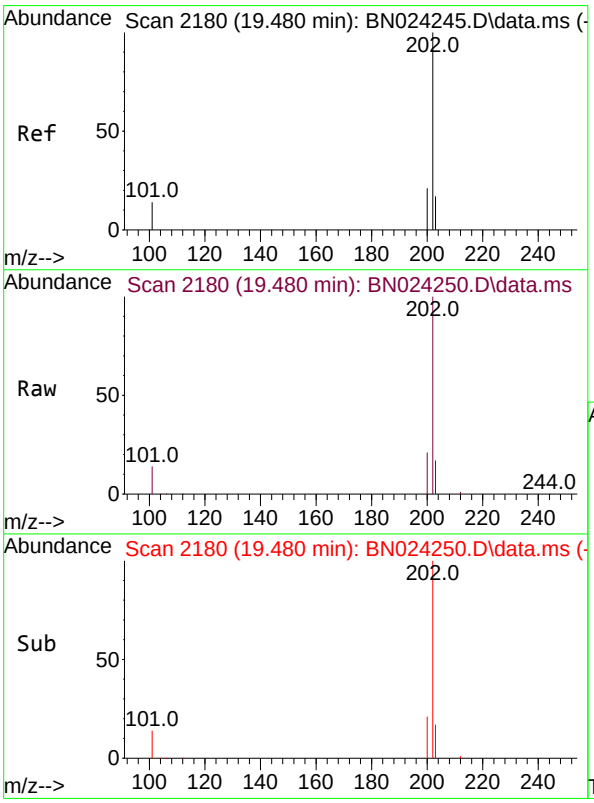
#27
Fluoranthene-d10
Concen: 0.383 ng
RT: 19.450 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:212 Resp: 25511

Ion	Ratio	Lower	Upper
212	100		
106	19.0	15.4	23.2
104	10.5	8.6	13.0

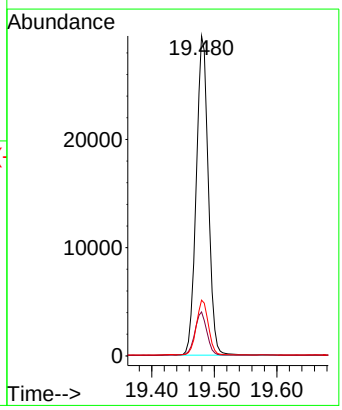


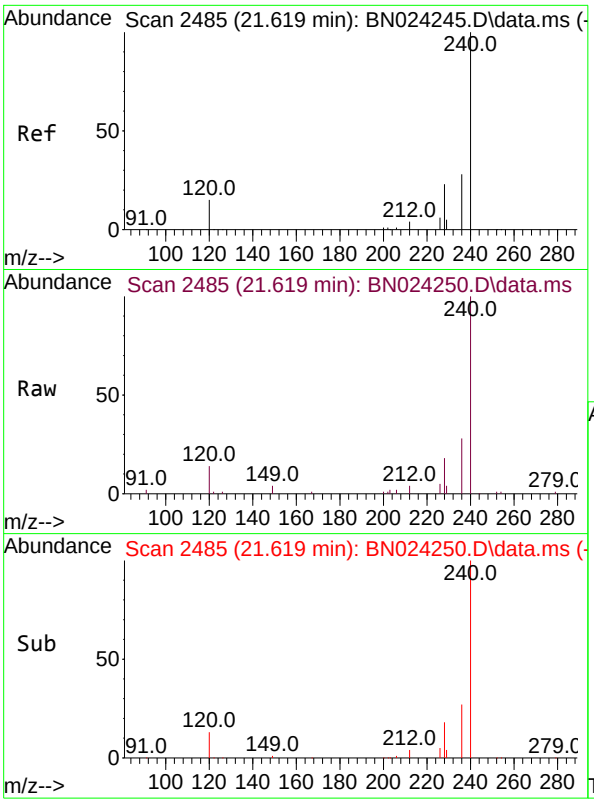


#28
Fluoranthene
Concen: 0.385 ng
RT: 19.480 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:202 Resp: 39257

Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.3	16.9
203	17.0	13.6	20.4



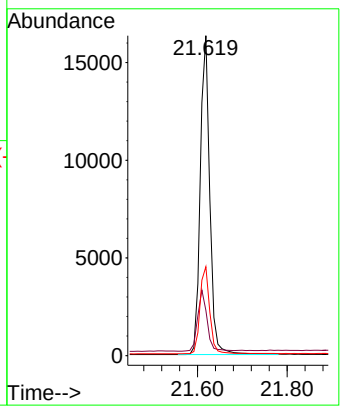


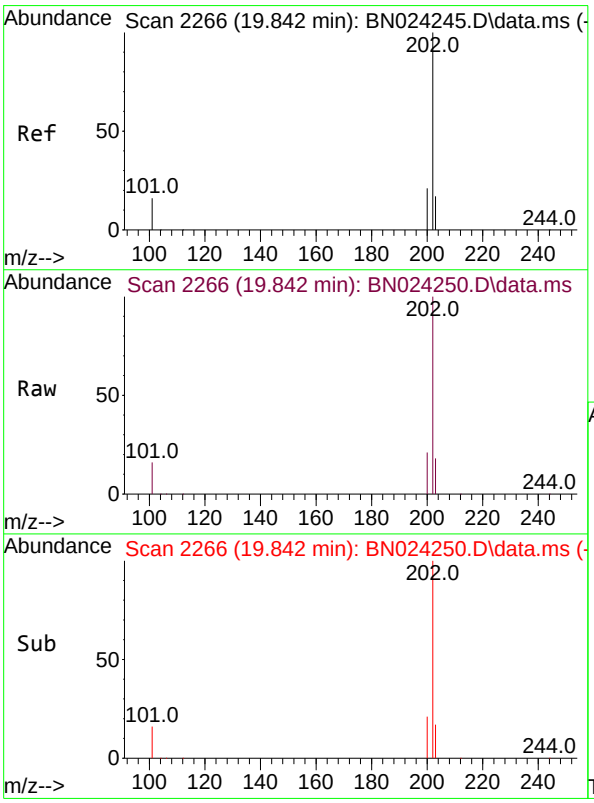
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.619 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:240 Resp: 24102

Ion	Ratio	Lower	Upper
240	100		
120	14.1	12.8	19.2
236	27.8	22.5	33.7

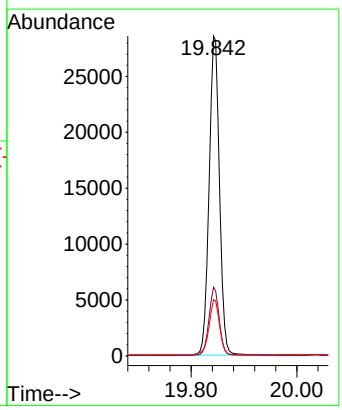


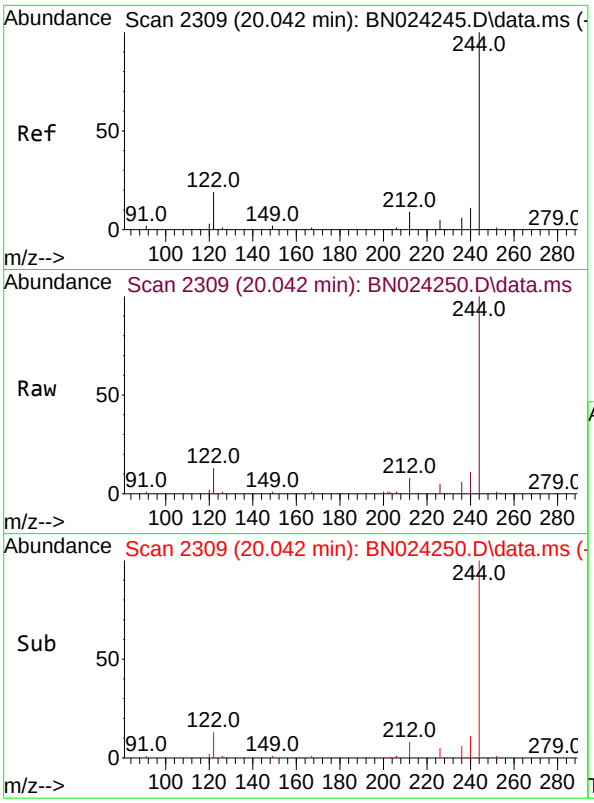


#30
Pyrene
Concen: 0.400 ng
RT: 19.842 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:202 Resp: 39107

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.6	14.2	21.2



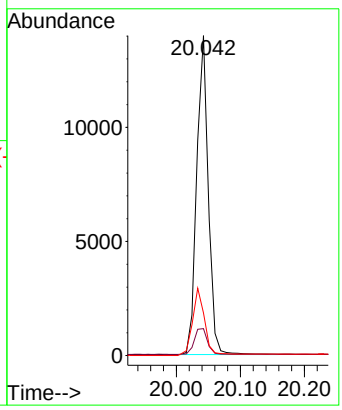


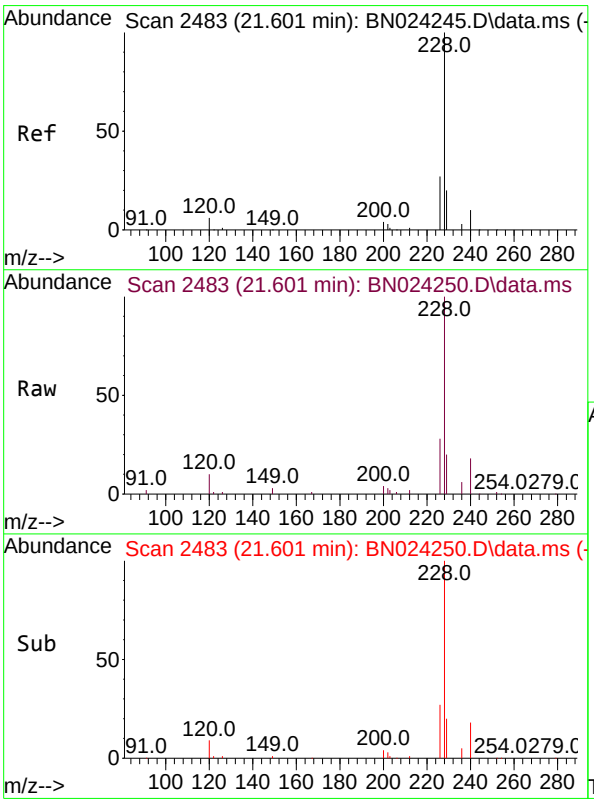
#31
Terphenyl-d14
Concen: 0.417 ng
RT: 20.042 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:244 Resp: 16956

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.6	11.4
122	13.3	15.1	22.7#

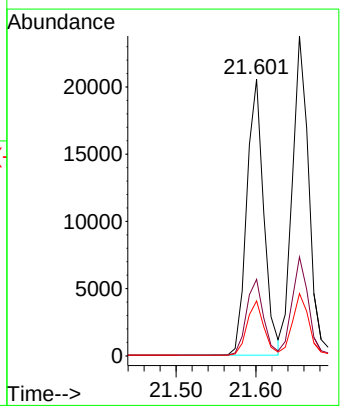


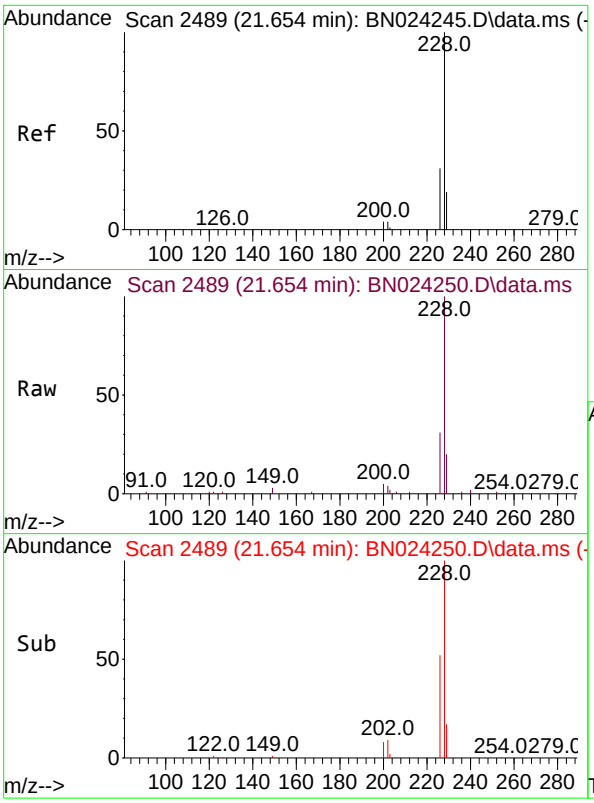


#32
Benzo(a)anthracene
Concen: 0.375 ng
RT: 21.601 min Scan# 2483
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:228 Resp: 30159

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.9	15.9	23.9



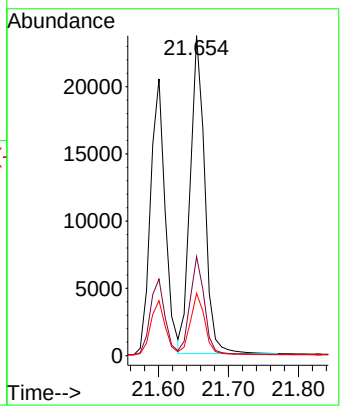


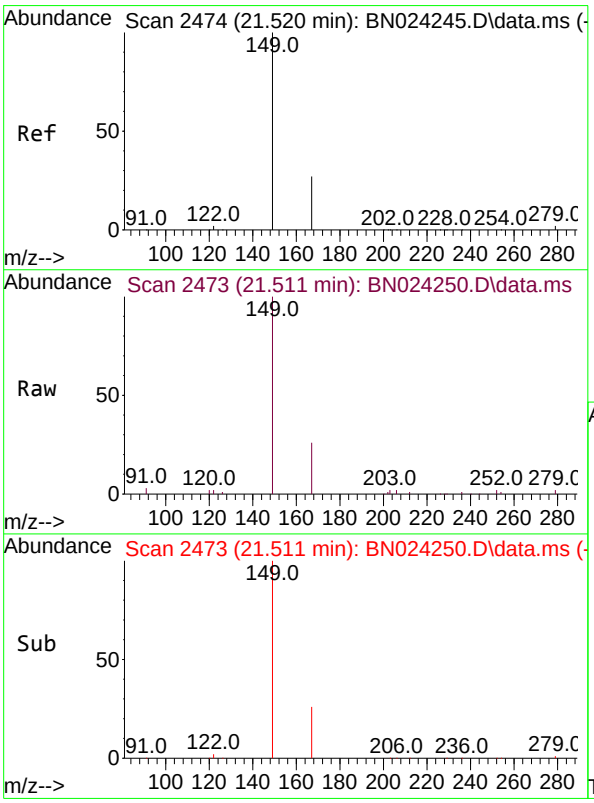
#33
Chrysene
Concen: 0.396 ng
RT: 21.654 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:228 Resp: 33969

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.5	36.7
229	19.5	15.5	23.3

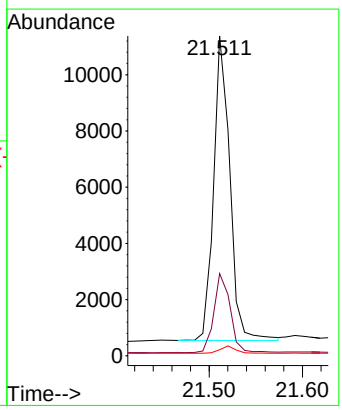


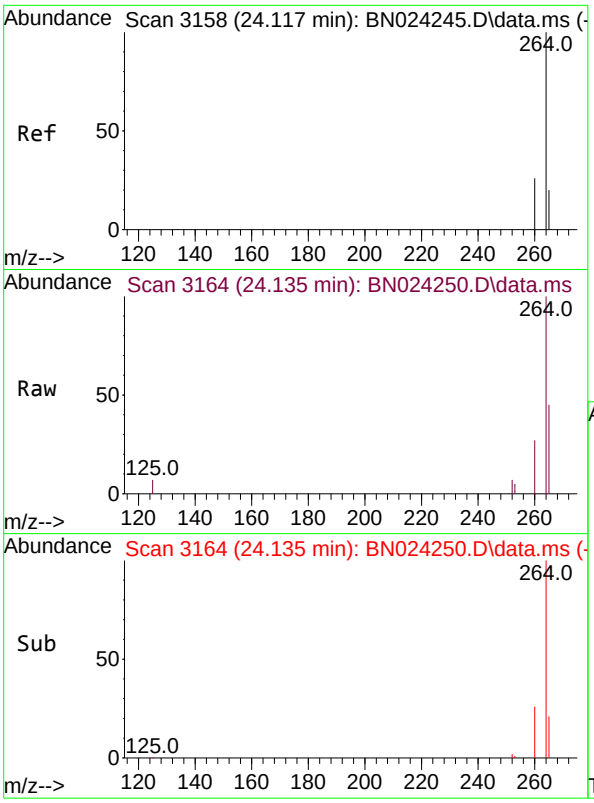


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.345 ng
RT: 21.511 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:149 Resp: 13061

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.2	31.8
279	2.3	1.8	2.8



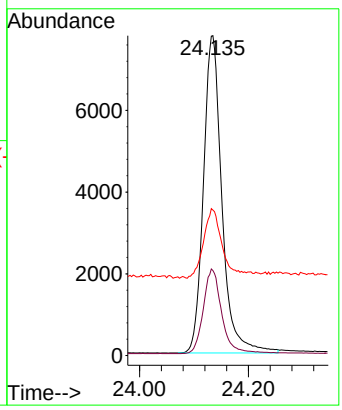


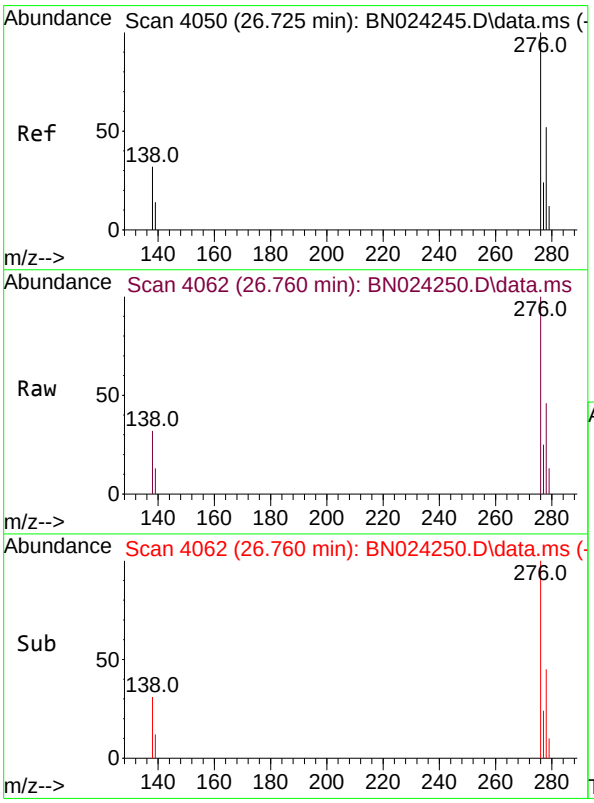
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.135 min Scan# 31
Delta R.T. 0.018 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:264 Resp: 18364

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.4	32.2
265	45.5	35.7	53.5

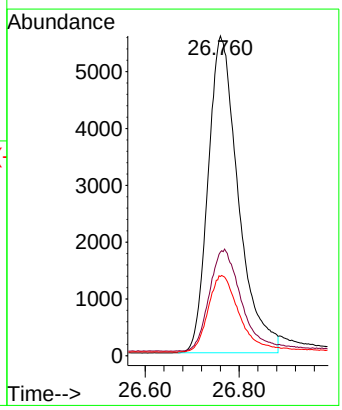


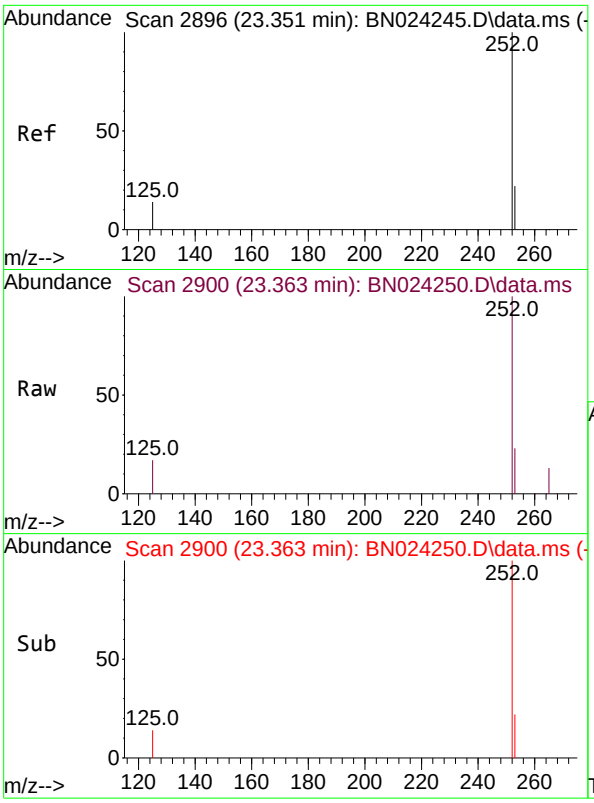


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.362 ng
RT: 26.760 min Scan# 4062
Delta R.T. 0.035 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:276 Resp: 24882

Ion	Ratio	Lower	Upper
276	100		
138	33.8	27.4	41.2
277	24.9	19.8	29.6



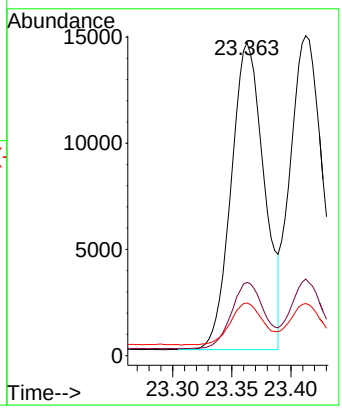


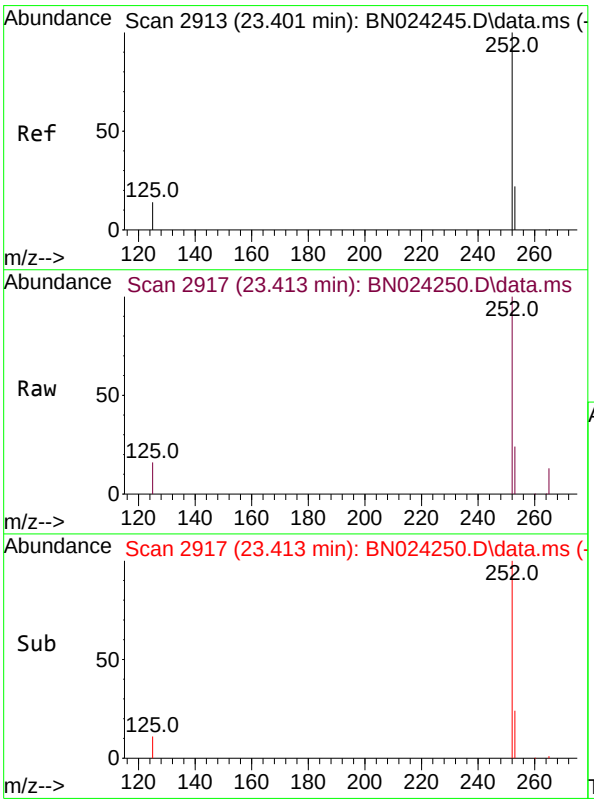
#37
Benzo(b)fluoranthene
Concen: 0.392 ng
RT: 23.363 min Scan# 29
Delta R.T. 0.012 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:252 Resp: 27998

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.9	28.3
125	16.8	13.8	20.6

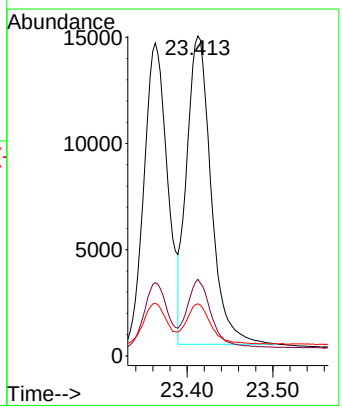


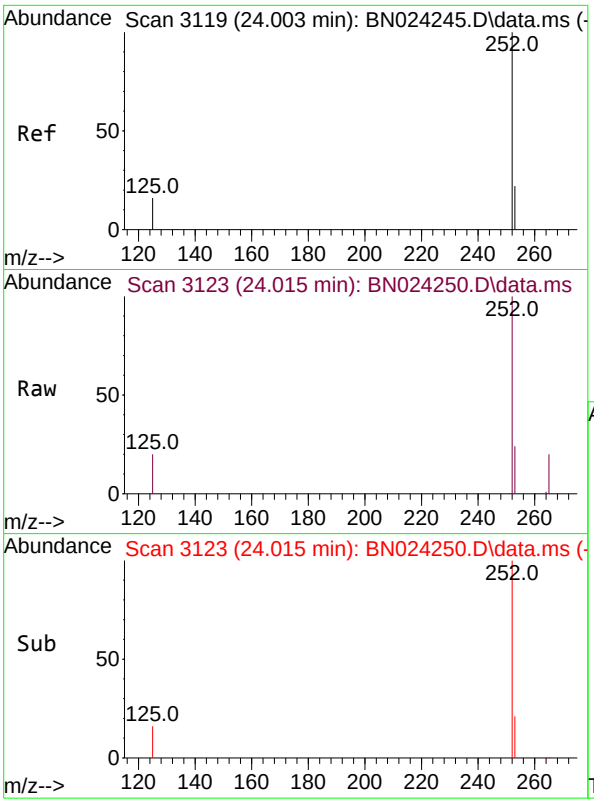


#38
Benzo(k)fluoranthene
Concen: 0.390 ng
RT: 23.413 min Scan# 2917
Delta R.T. 0.012 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:252 Resp: 28759

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	16.3	13.5	20.3



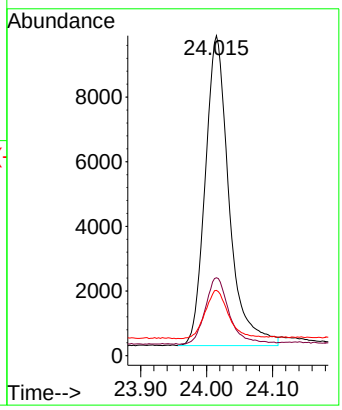


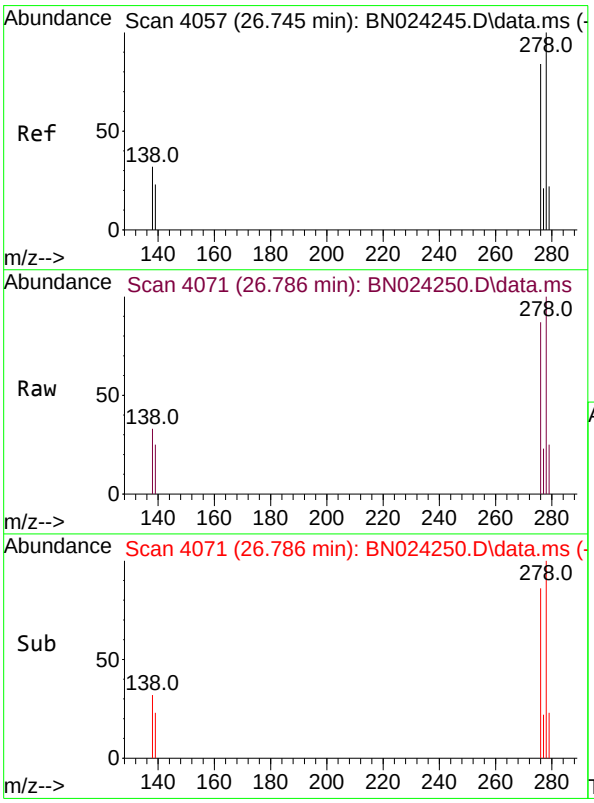
#39
Benzo(a)pyrene
Concen: 0.368 ng
RT: 24.015 min Scan# 31
Delta R.T. 0.012 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:252 Resp: 24129

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.5	29.3
125	20.4	16.2	24.4

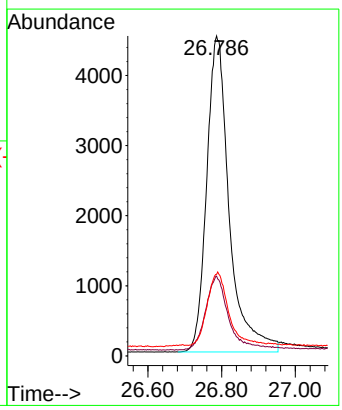


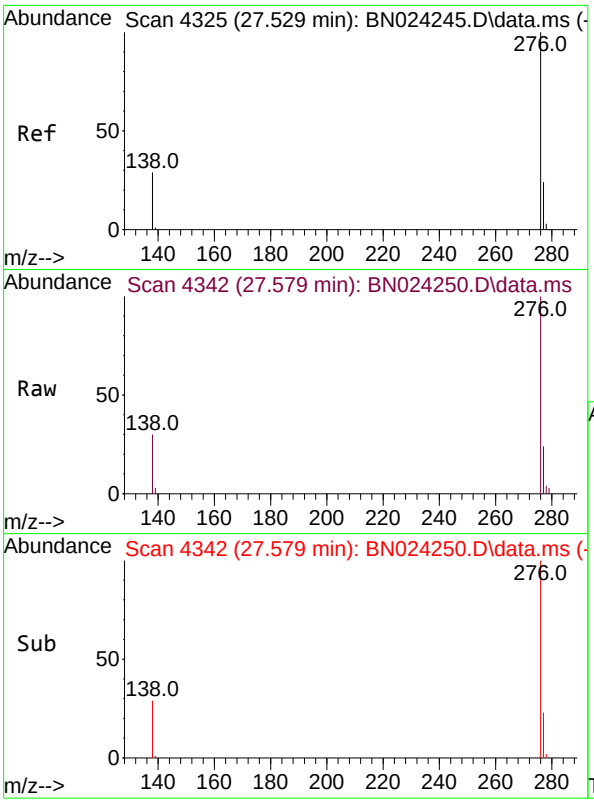


#40
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 26.786 min Scan# 4071
Delta R.T. 0.041 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Tgt Ion:278 Resp: 19184

Ion	Ratio	Lower	Upper
278	100		
139	24.9	19.4	29.0
279	25.5	20.7	31.1





#41
Benzo(g,h,i)perylene
Concen: 0.363 ng
RT: 27.579 min Scan# 4
Delta R.T. 0.050 min
Lab File: BN024250.D
Acq: 13 Mar 2023 17:30

Instrument :
BNA_N
ClientSampleId :
ICVBN031323

Tgt Ion:276 Resp: 22600

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.9	29.9
138	29.9	24.5	36.7