Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120522\
Data File : BN023064.D
Acq On : 05 Dec 2022 17:52
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Quant Time: Dec 06 04:10:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 06 04:02:46 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.049	152	4245	0.400	ng		0.00
7) Naphthalene-d8	10.872	136	12477	0.400	ng		# 0.01
13) Acenaphthene-d10	14.688	164	7336	0.400	ng		0.00
19) Phenanthrene-d10	17.439	188	17434	0.400	ng		# 0.01
29) Chrysene-d12	21.616	240	15345	0.400	ng		0.00
35) Perylene-d12	24.097	264	13420	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.587	112	3295	0.347	ng		0.00
5) Phenol-d6	7.197	99	4142	0.328	ng		0.00
8) Nitrobenzene-d5	9.206	82	3057	0.325	ng		0.00
11) 2-Methylnaphthalene-d10	12.450	152	9370	0.408	ng		0.00
14) 2,4,6-Tribromophenol	16.173	330	906	0.298	ng		0.00
15) 2-Fluorobiphenyl	13.319	172	11348	0.345	ng		0.00
27) Fluoranthene-d10	19.460	212	16367	0.329	ng		0.00
31) Terphenyl-d14	20.058	244	11062	0.353	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.427	88	1870	0.353	ng		98
3) n-Nitrosodimethylamine	3.767	42	1765	0.300	ng	#	91
6) bis(2-Chloroethyl)ether	7.464	93	4775	0.348	ng		99
9) Naphthalene	10.915	128	12719	0.335	ng		100
10) Hexachlorobutadiene	11.214	225	2379	0.334	ng	#	100
12) 2-Methylnaphthalene	12.140	142	1943	0.301	ng		98
16) Acenaphthylene	14.410	152	11373	0.318	ng		99
17) Acenaphthene	14.752	154	8557	0.336	ng		99
18) Fluorene	15.726	166	10488	0.333	ng		98
20) 4,6-Dinitro-2-methylph...	15.801	198	770	0.280	ng		93
21) 4-Bromophenyl-phenylether	16.620	248	3523	0.313	ng		95
22) Hexachlorobenzene	16.744	284	4737	0.341	ng		99
23) Atrazine	16.893	200	2350	0.316	ng	#	86
24) Pentachlorophenol	17.079	266	1125	0.331	ng		99
25) Phenanthrene	17.477	178	20427	0.338	ng		100
26) Anthracene	17.563	178	15641	0.315	ng		100
28) Fluoranthene	19.494	202	22176	0.329	ng		99
30) Pyrene	19.852	202	21867	0.337	ng		100
32) Benzo(a)anthracene	21.598	228	18808	0.332	ng		100
33) Chrysene	21.652	228	22529	0.358	ng		99
34) Bis(2-ethylhexyl)phtha...	21.518	149	7304	0.329	ng		99
36) Indeno(1,2,3-cd)pyrene	26.690	276	25299	0.349	ng		99
37) Benzo(b)fluoranthene	23.337	252	20634	0.336	ng		99
38) Benzo(k)fluoranthene	23.387	252	20674	0.328	ng		98
39) Benzo(a)pyrene	23.986	252	16662	0.346	ng		97
40) Dibenzo(a,h)anthracene	26.717	278	20055	0.347	ng		98
41) Benzo(g,h,i)perylene	27.489	276	20237	0.335	ng		98

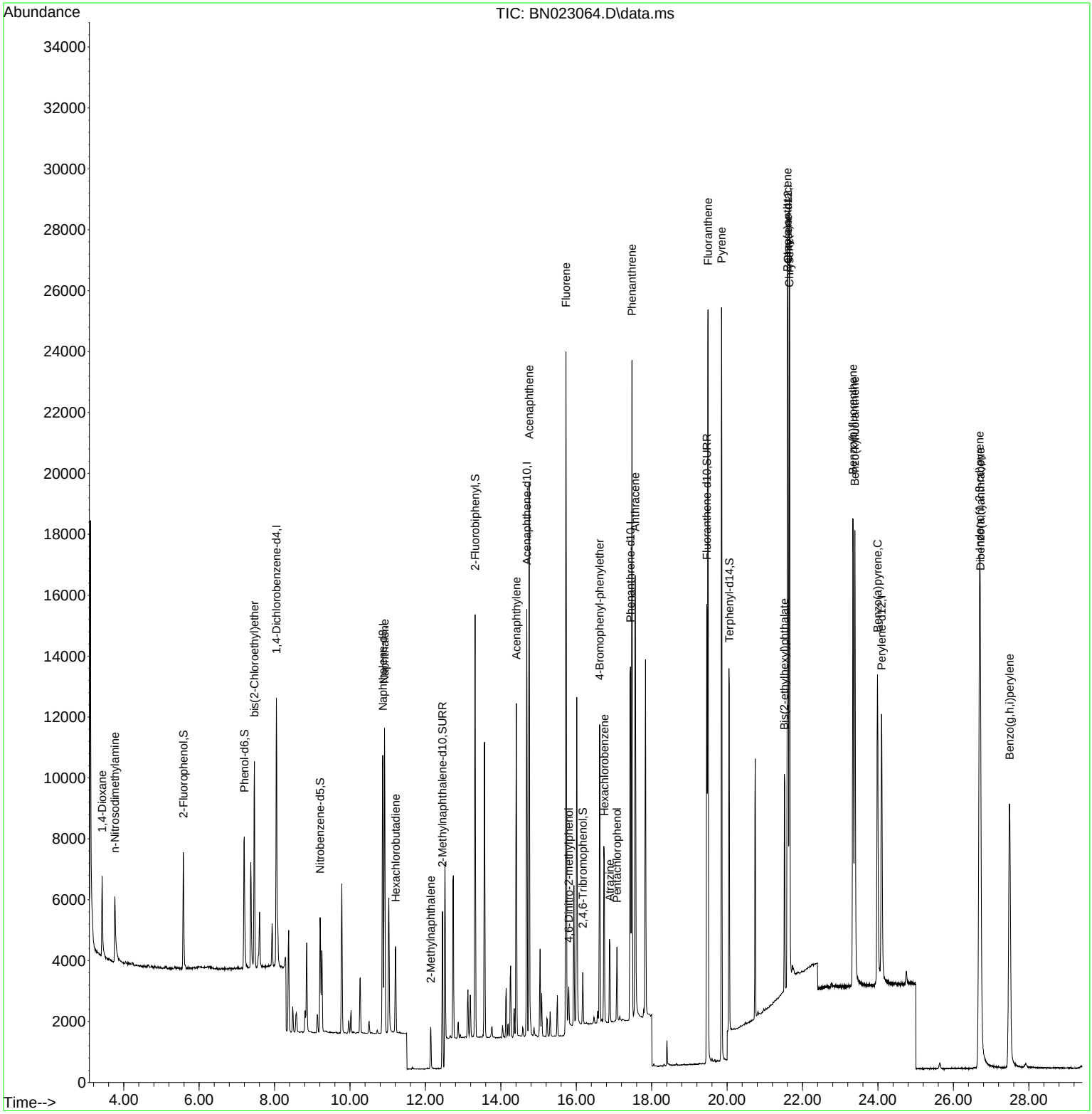
(#) = qualifier out of range (m) = manual integration (+) = signals summed

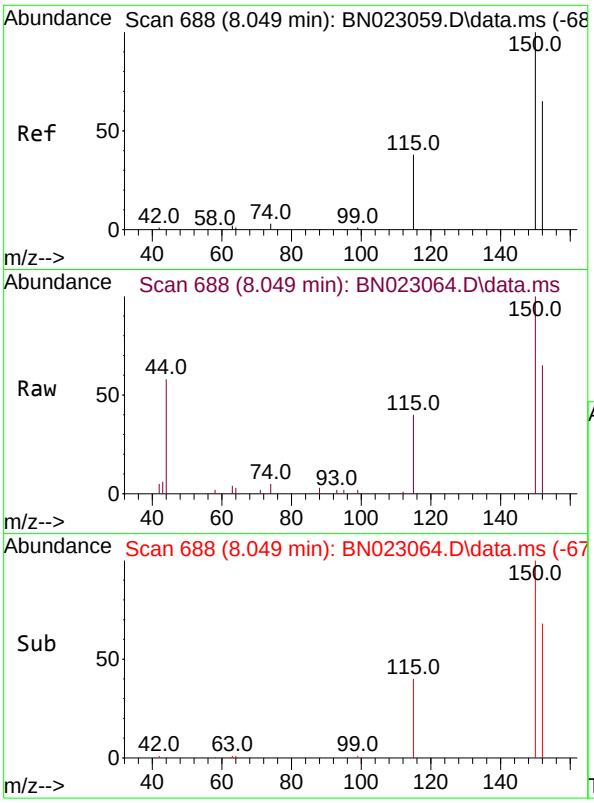
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120522\
Data File : BN023064.D
Acq On : 05 Dec 2022 17:52
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Quant Time: Dec 06 04:10:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 06 04:02:46 2022
Response via : Initial Calibration



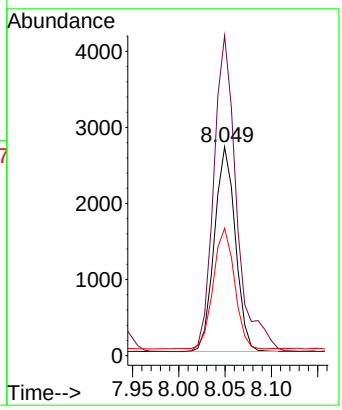


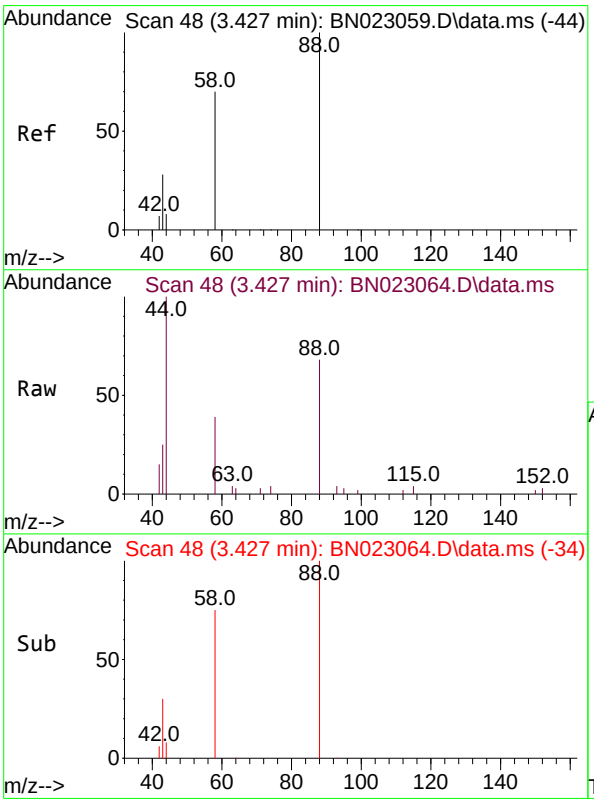
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.049 min Scan# 68
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:152 Resp: 4245

Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.3	183.5
115	61.0	48.6	72.8

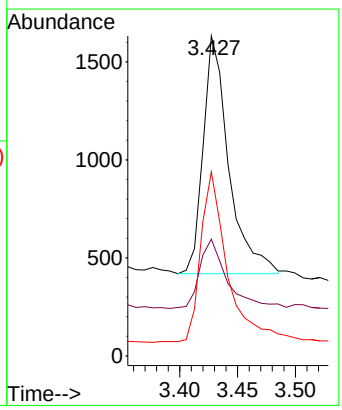


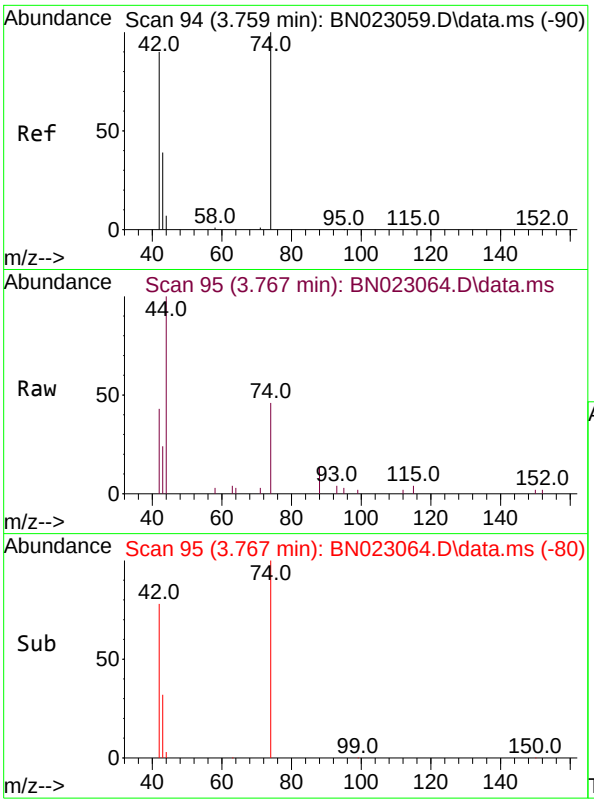


#2
1,4-Dioxane
Concen: 0.353 ng
RT: 3.427 min Scan# 48
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion: 88 Resp: 1870

Ion	Ratio	Lower	Upper
88	100		
43	30.6	25.4	38.2
58	74.4	58.2	87.4



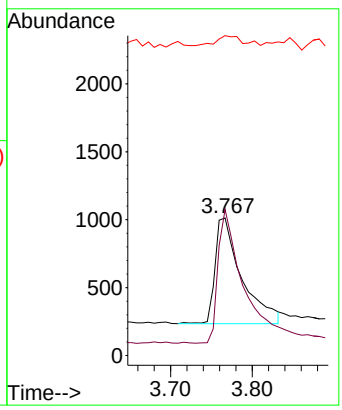


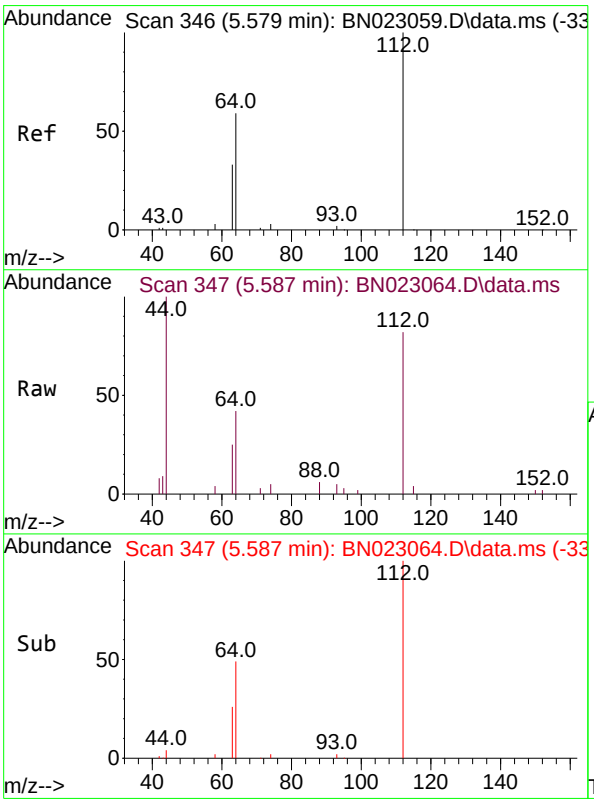
#3
n-Nitrosodimethylamine
Concen: 0.300 ng
RT: 3.767 min Scan# 9
Delta R.T. 0.008 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion: 42 Resp: 1765

Ion	Ratio	Lower	Upper
42	100		
74	118.6	87.4	131.0
44	8.3	10.4	15.6#

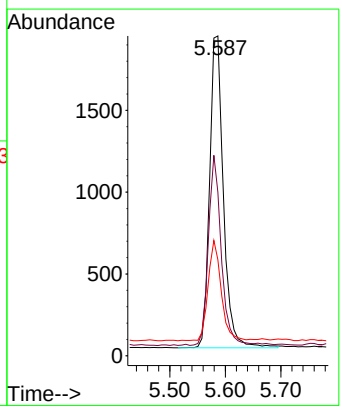


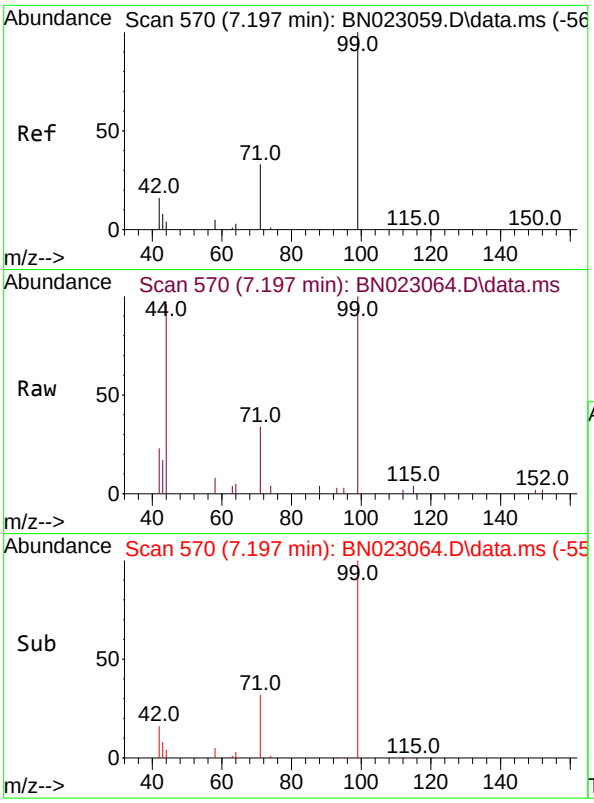


#4
2-Fluorophenol
Concen: 0.347 ng
RT: 5.587 min Scan# 347
Delta R.T. 0.007 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:112 Resp: 3295

Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.2	69.4
63	30.7	25.1	37.7



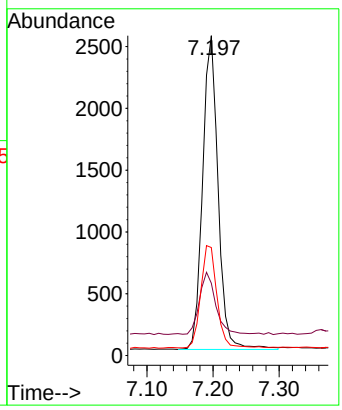


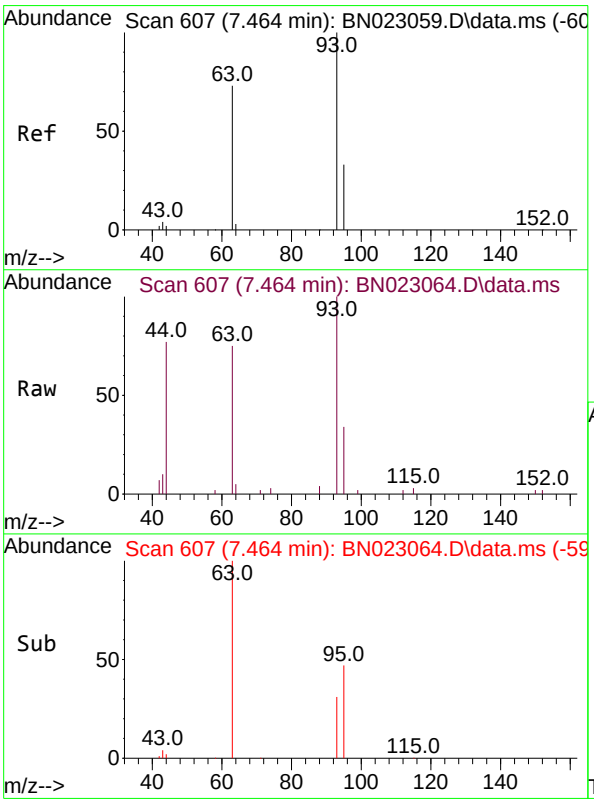
#5
Phenol-d6
Concen: 0.328 ng
RT: 7.197 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion: 99 Resp: 4142

Ion	Ratio	Lower	Upper
99	100		
42	21.0	18.1	27.1
71	34.0	28.2	42.2

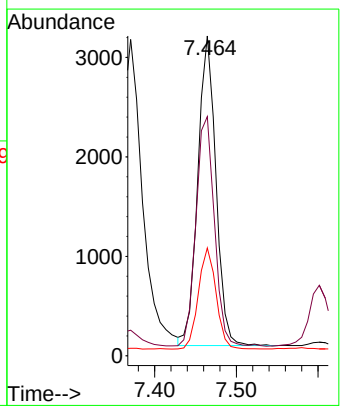


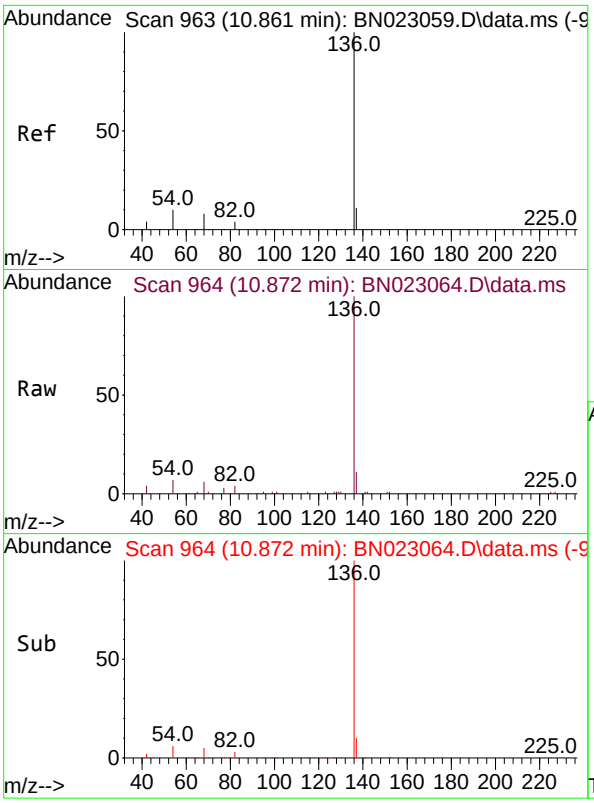


#6
bis(2-Chloroethyl)ether
Concen: 0.348 ng
RT: 7.464 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion: 93 Resp: 4775

Ion	Ratio	Lower	Upper
93	100		
63	76.0	61.4	92.2
95	32.0	25.9	38.9



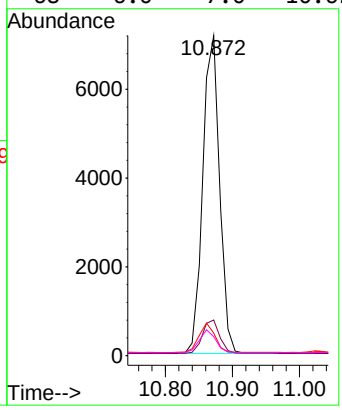


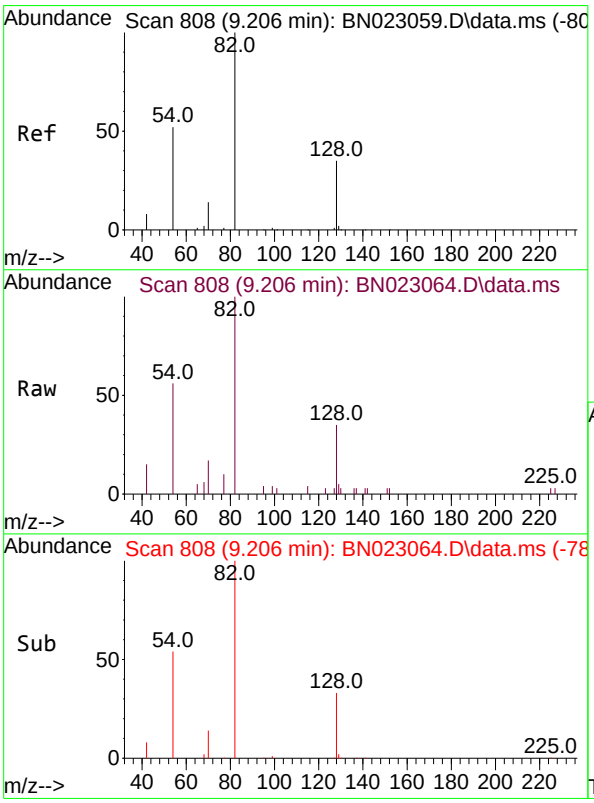
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.872 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:136 Resp: 12477

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.2
54	7.0	8.8	13.2#
68	6.0	7.0	10.6#

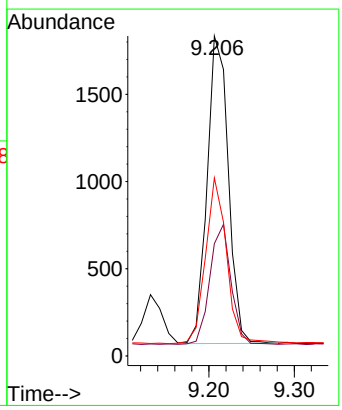


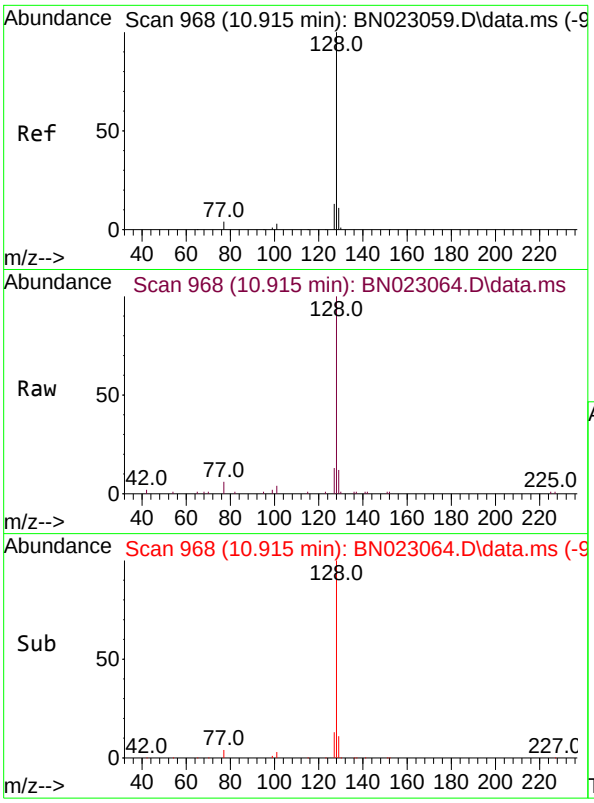


#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 9.206 min Scan# 808
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion: 82 Resp: 3057

Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.9	44.9
54	55.6	44.2	66.2



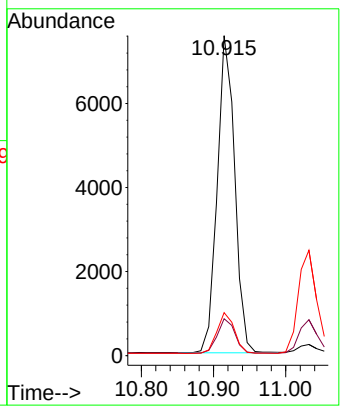


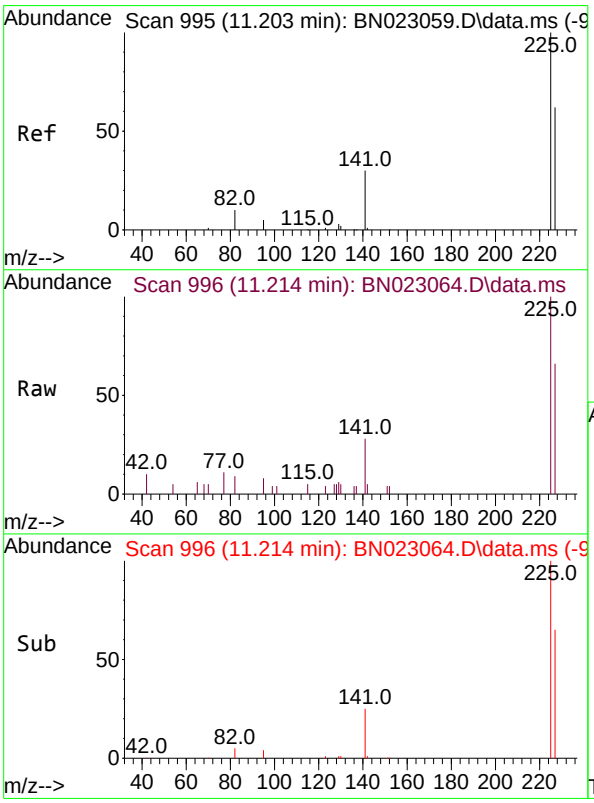
#9
Naphthalene
Concen: 0.335 ng
RT: 10.915 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:128 Resp: 12719

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.4	10.9	16.3

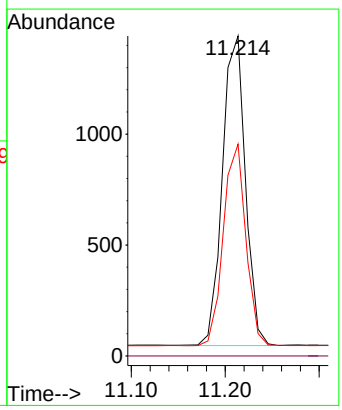


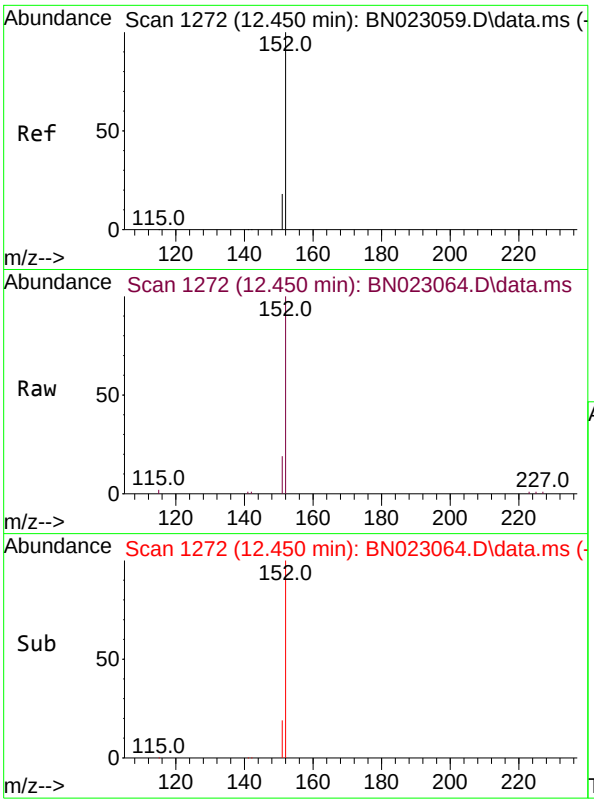


#10
Hexachlorobutadiene
Concen: 0.334 ng
RT: 11.214 min Scan# 996
Delta R.T. 0.011 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:225 Resp: 2379

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.8	76.2



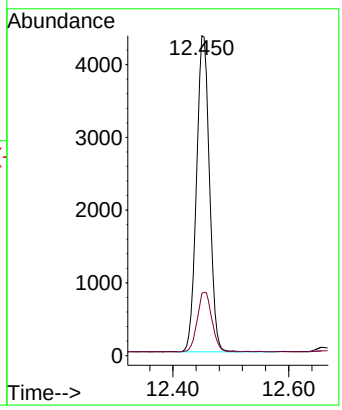


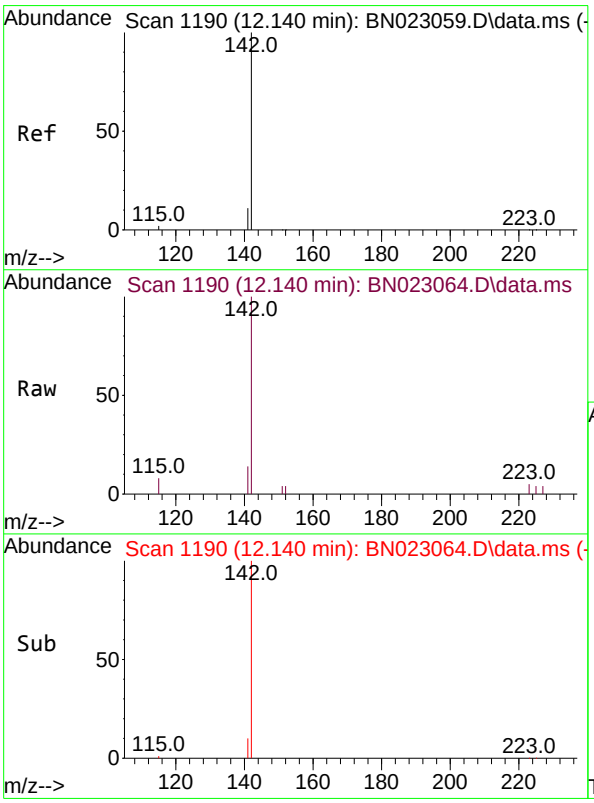
#11
2-Methylnaphthalene-d10
Concen: 0.408 ng
RT: 12.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:152 Resp: 9370

Ion	Ratio	Lower	Upper
152	100		
151	16.2	18.9	28.3#

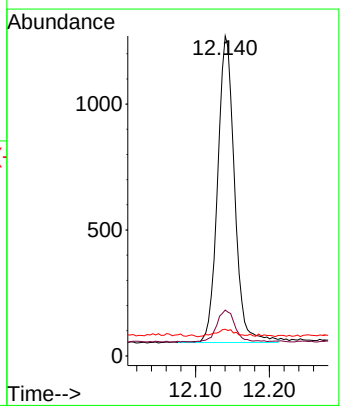


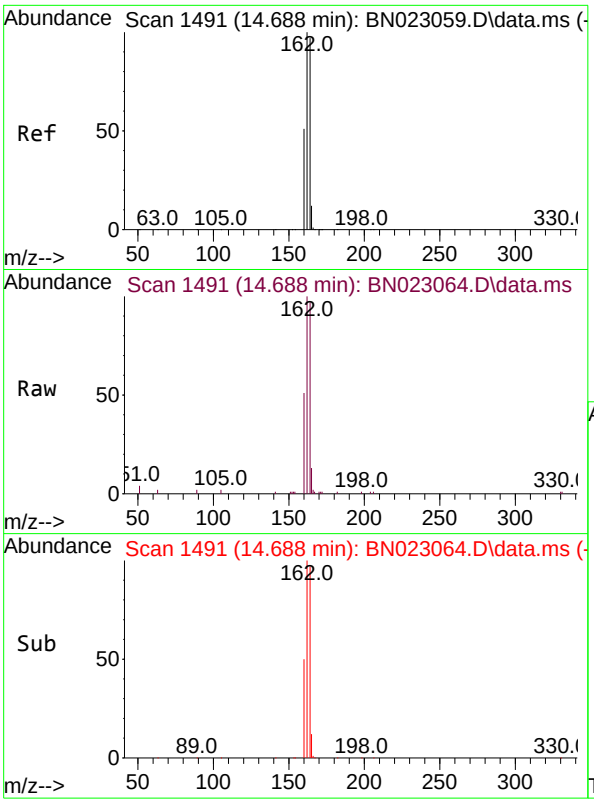


#12
2-Methylnaphthalene
Concen: 0.301 ng
RT: 12.140 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:142 Resp: 1943

Ion	Ratio	Lower	Upper
142	100		
141	14.3	12.3	18.5
115	8.3	6.9	10.3



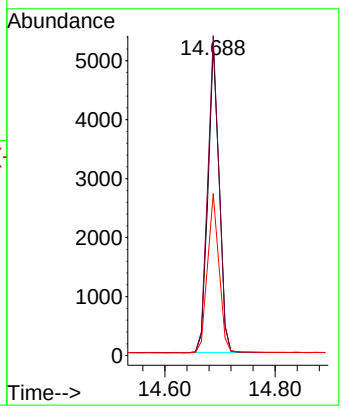


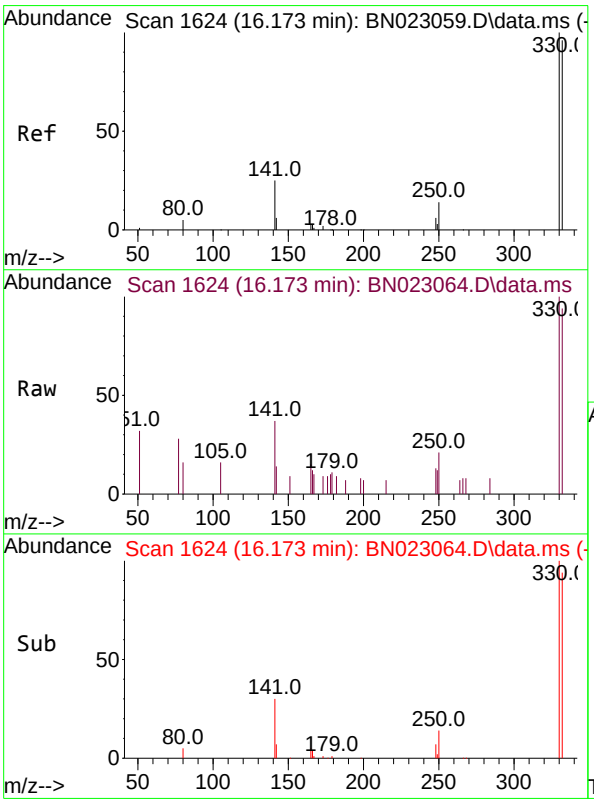
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.688 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:164 Resp: 7336

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.7	124.1
160	52.2	42.6	63.8

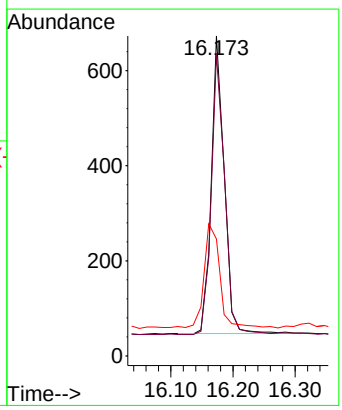


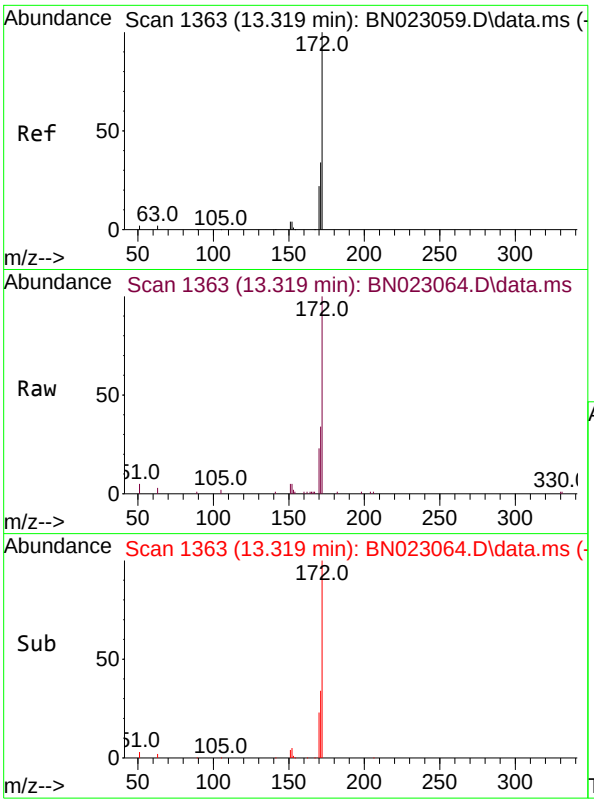


#14
2,4,6-Tribromophenol
Concen: 0.298 ng
RT: 16.173 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:330 Resp: 906

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	42.6	36.7	55.1



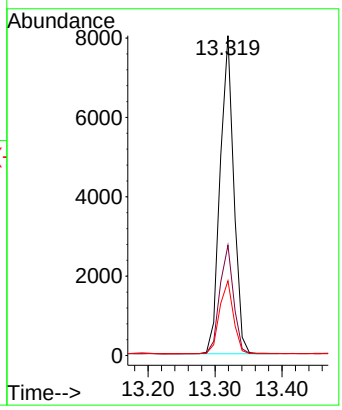


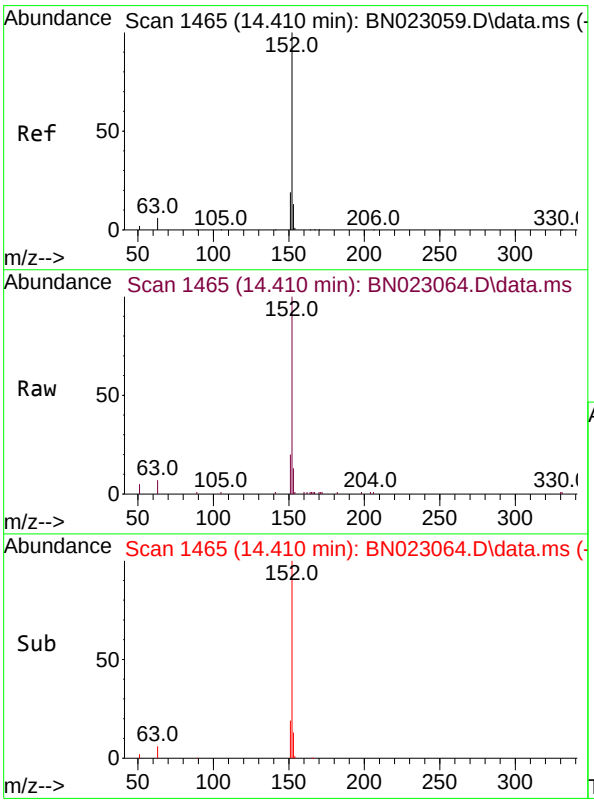
#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 13.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:172 Resp: 11348

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.3	40.9
170	23.4	18.3	27.5

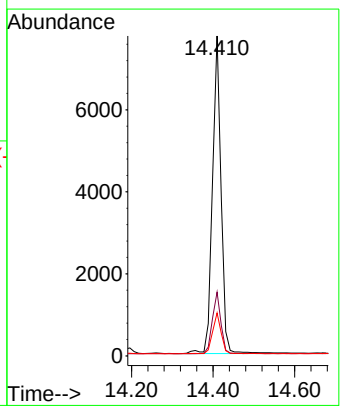


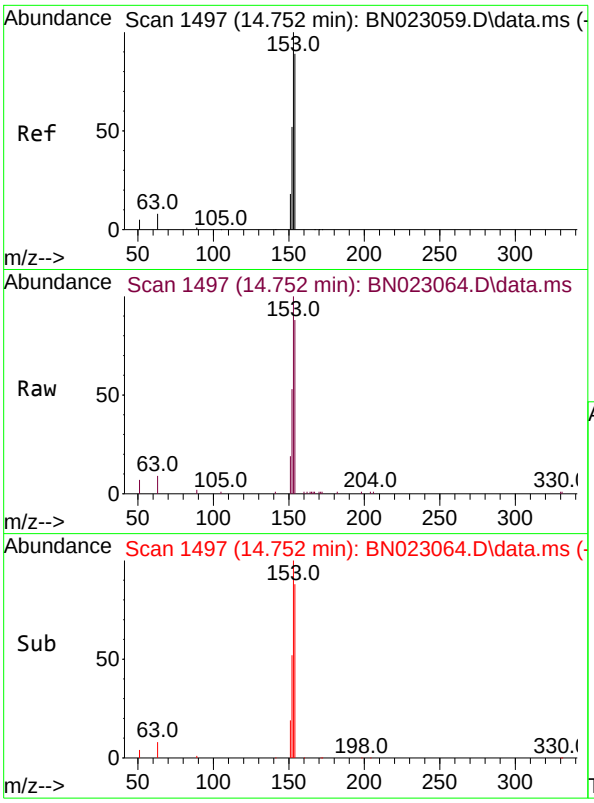


#16
Acenaphthylene
Concen: 0.318 ng
RT: 14.410 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:152 Resp: 11373

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	12.7	10.4	15.6



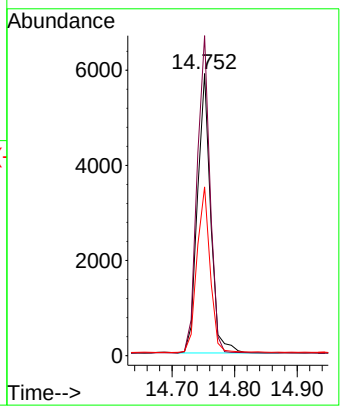


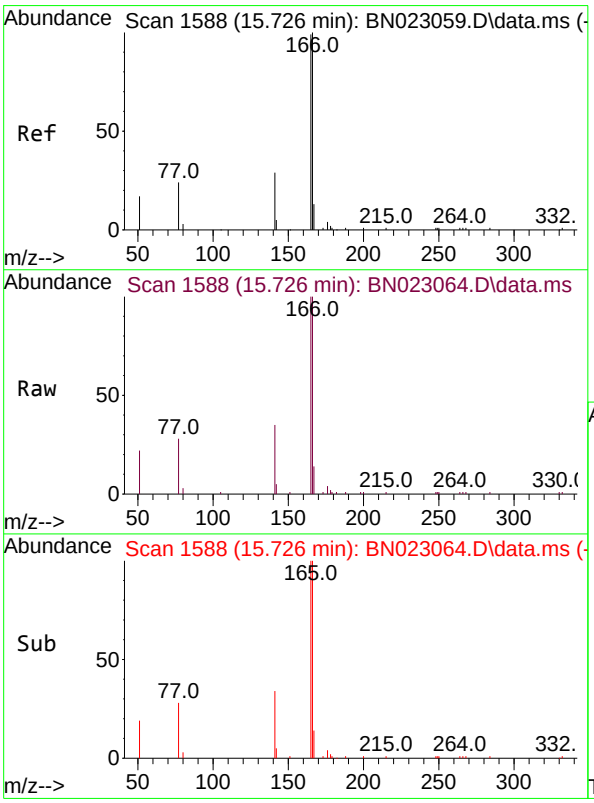
#17
Acenaphthene
Concen: 0.336 ng
RT: 14.752 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:154 Resp: 8557

Ion	Ratio	Lower	Upper
154	100		
153	111.0	88.2	132.4
152	59.2	48.2	72.2

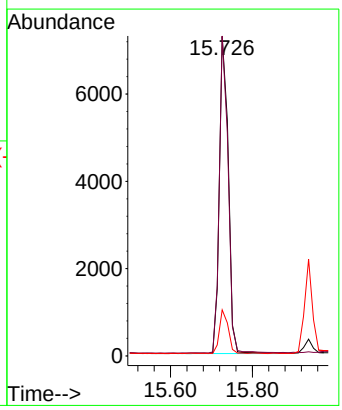


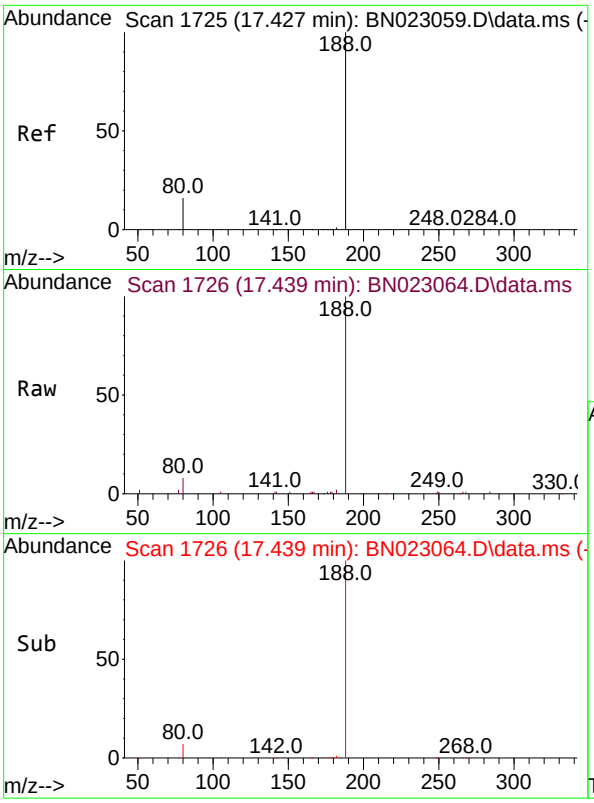


#18
Fluorene
Concen: 0.333 ng
RT: 15.726 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:166 Resp: 10488

Ion	Ratio	Lower	Upper
166	100		
165	100.6	82.2	123.4
167	14.1	11.4	17.0





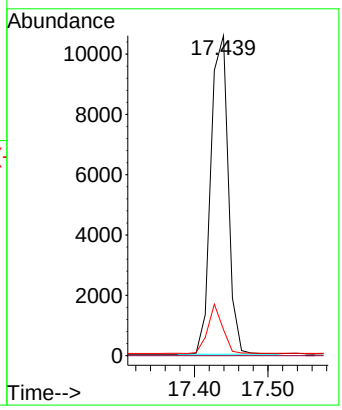
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.439 min Scan# 1

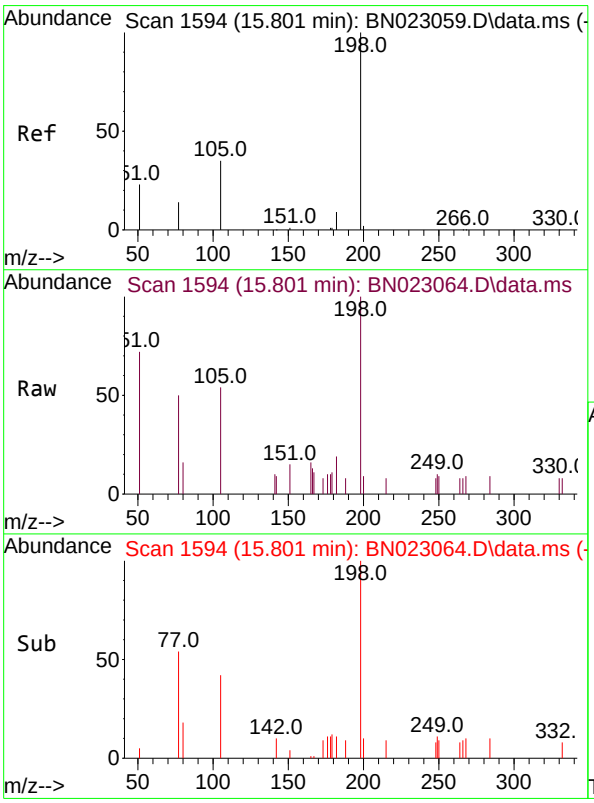
Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Delta R.T. 0.012 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:188 Resp: 17434

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	13.3	19.9#

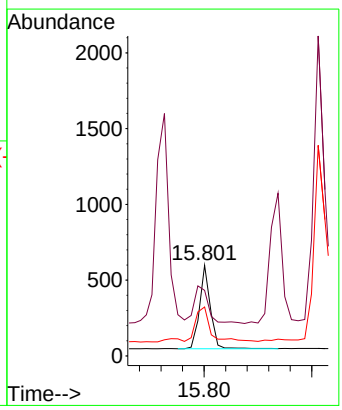


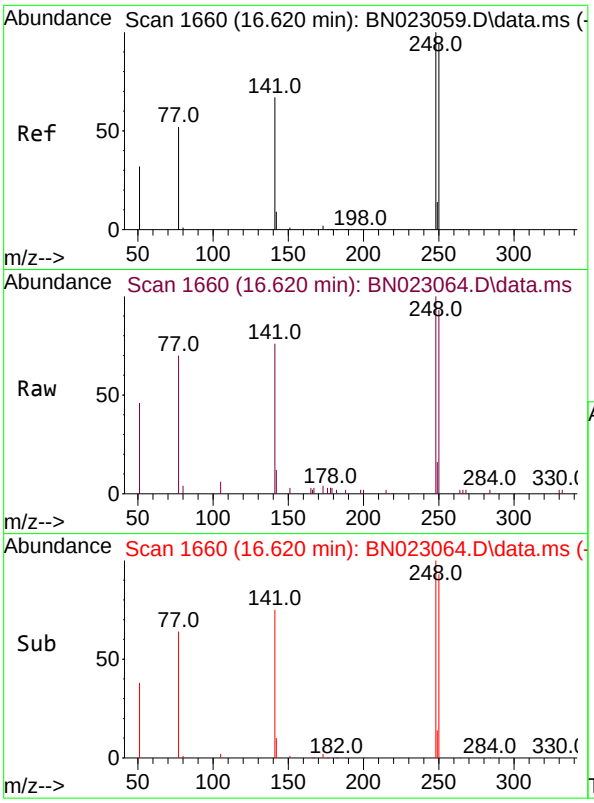


#20
4,6-Dinitro-2-methylphenol
Concen: 0.280 ng
RT: 15.801 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:198 Resp: 770

Ion	Ratio	Lower	Upper
198	100		
51	72.4	51.8	77.6
105	54.0	40.7	61.1



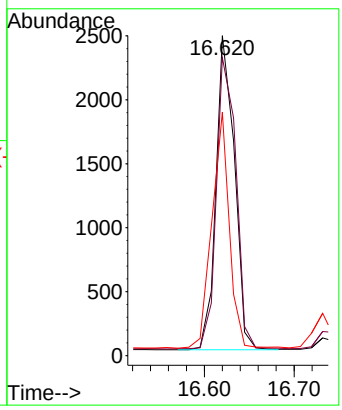


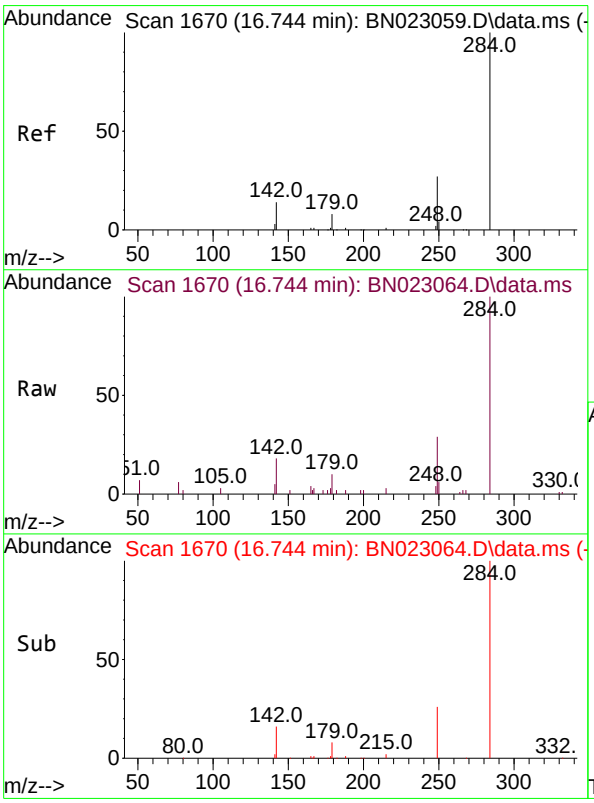
#21
4-Bromophenyl-phenylether
Concen: 0.313 ng
RT: 16.620 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:248 Resp: 3523

Ion	Ratio	Lower	Upper
248	100		
250	93.1	75.8	113.6
141	76.0	54.3	81.5

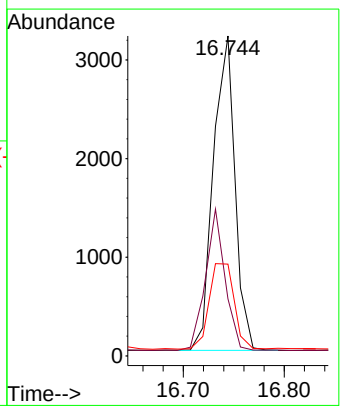


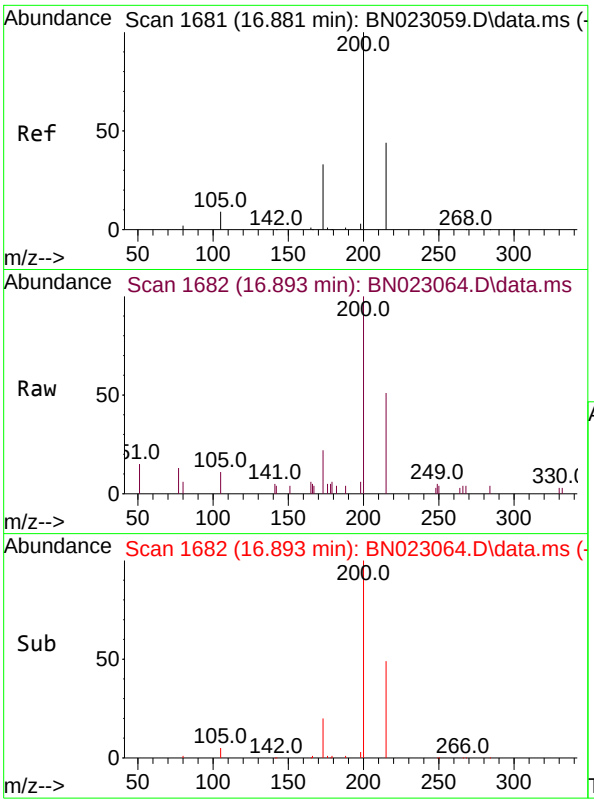


#22
Hexachlorobenzene
Concen: 0.341 ng
RT: 16.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:284 Resp: 4737

Ion	Ratio	Lower	Upper
284	100		
142	40.7	32.6	48.8
249	31.5	24.7	37.1



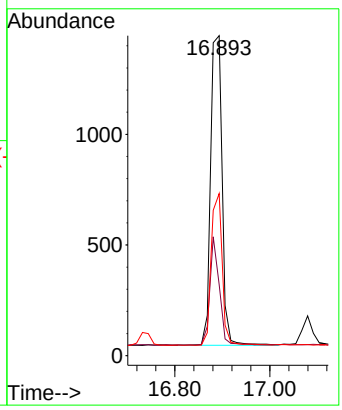


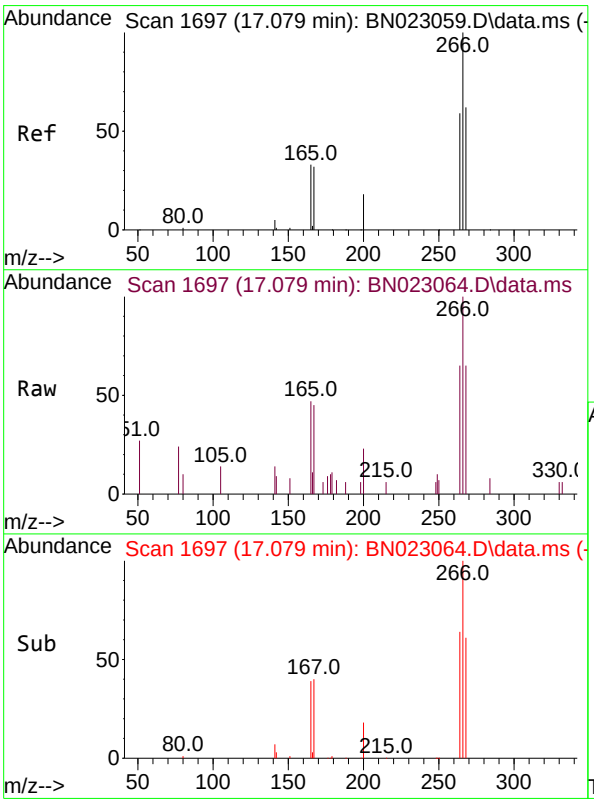
#23
Atrazine
Concen: 0.316 ng
RT: 16.893 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:200 Resp: 2350

Ion	Ratio	Lower	Upper
200	100		
173	22.3	28.4	42.6#
215	50.6	36.6	55.0

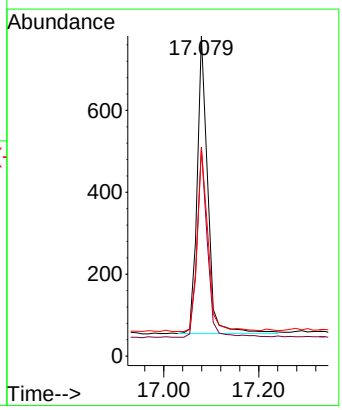


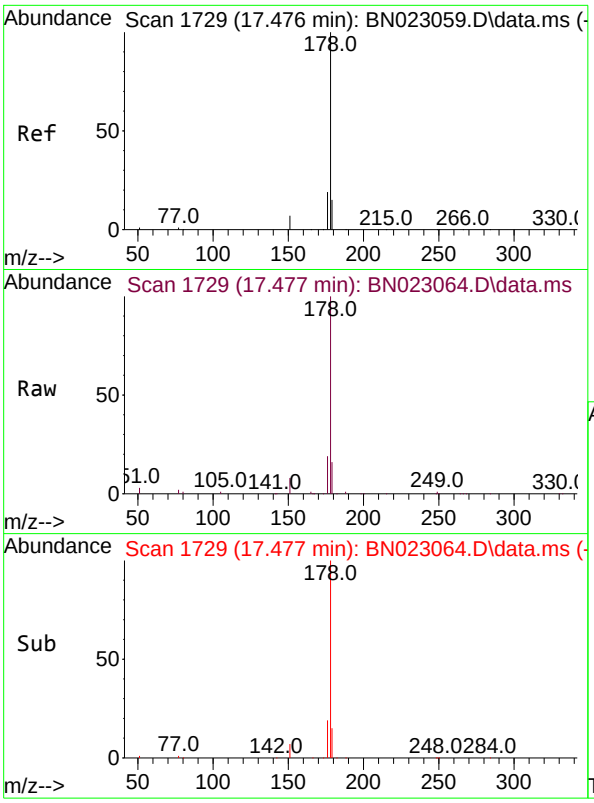


#24
Pentachlorophenol
Concen: 0.331 ng
RT: 17.079 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:266 Resp: 1125

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.6	74.4
268	61.9	50.8	76.2



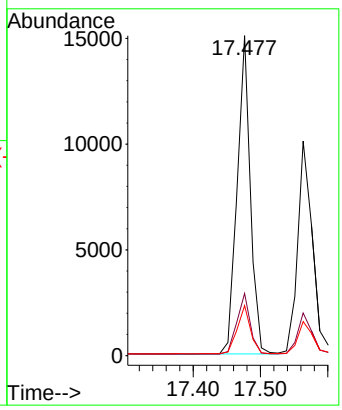


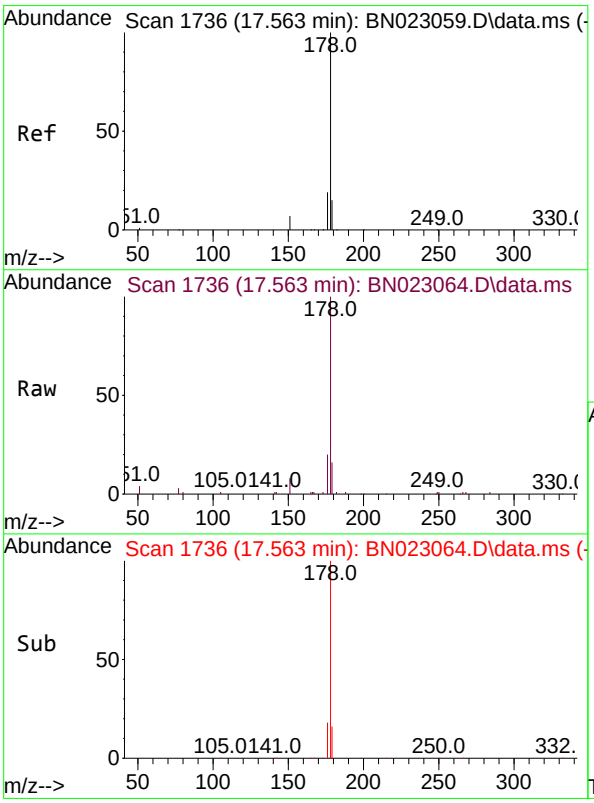
#25
Phenanthrene
Concen: 0.338 ng
RT: 17.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:178 Resp: 20427

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.4	18.6

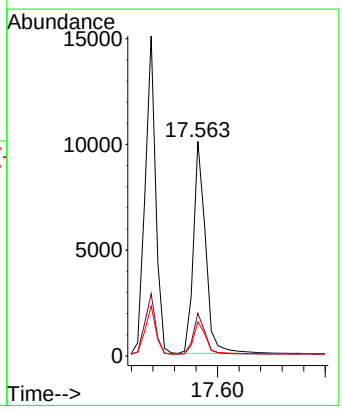


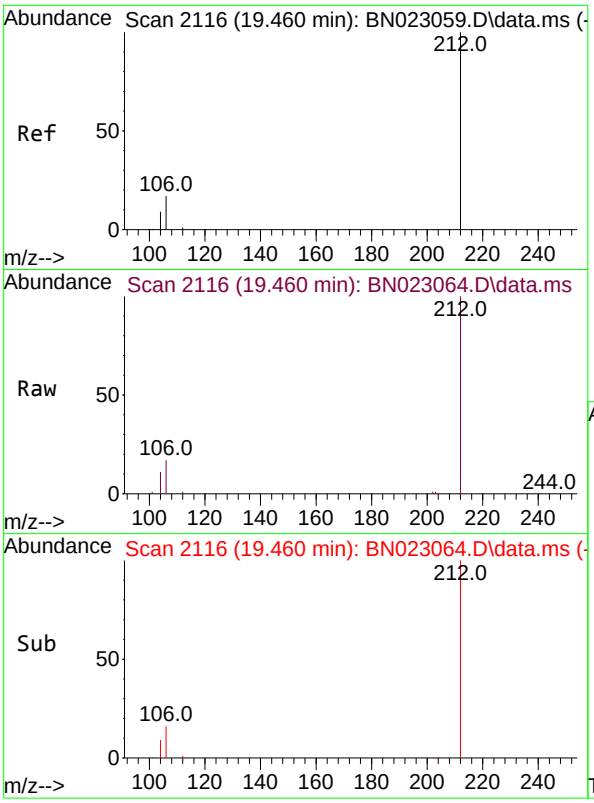


#26
Anthracene
Concen: 0.315 ng
RT: 17.563 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:178 Resp: 15641

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.4	12.4	18.6



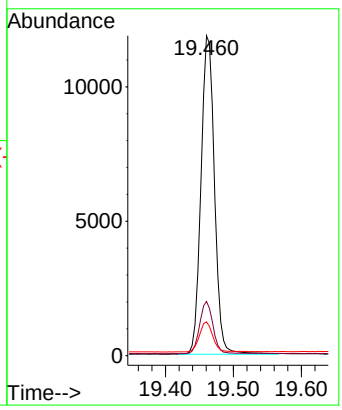


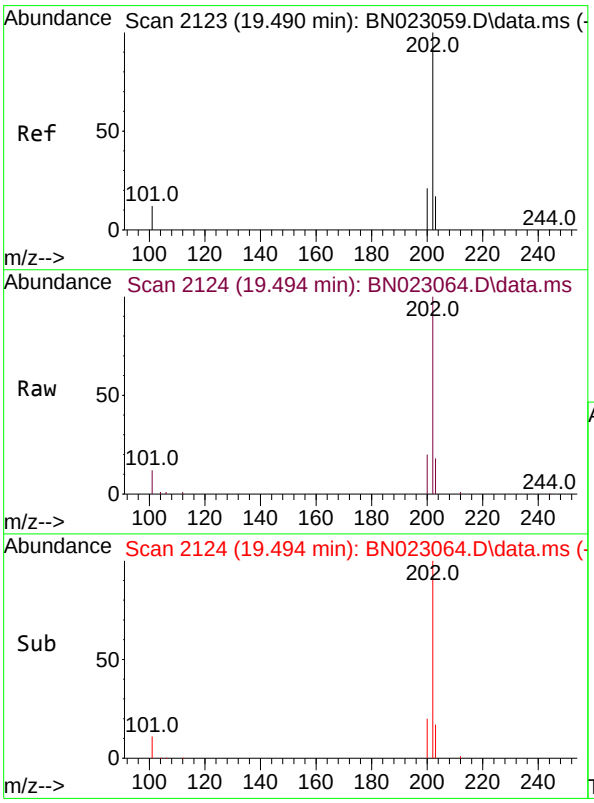
#27
Fluoranthene-d10
Concen: 0.329 ng
RT: 19.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:212 Resp: 16367

Ion	Ratio	Lower	Upper
212	100		
106	16.1	13.3	19.9
104	9.3	7.7	11.5

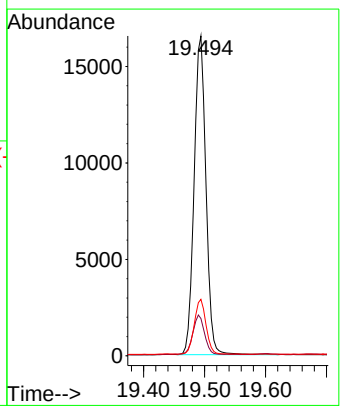


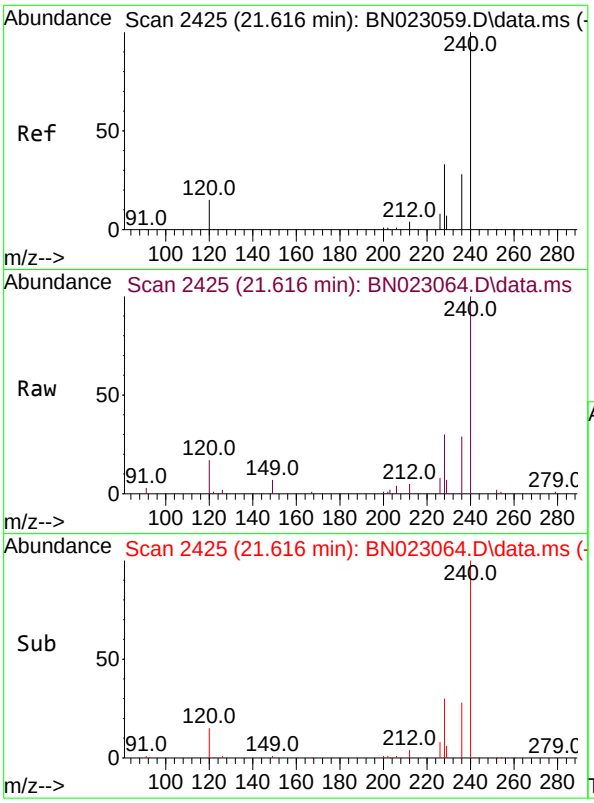


#28
Fluoranthene
Concen: 0.329 ng
RT: 19.494 min Scan# 2124
Delta R.T. 0.004 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:202 Resp: 22176

Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.5	15.7
203	17.0	13.8	20.6



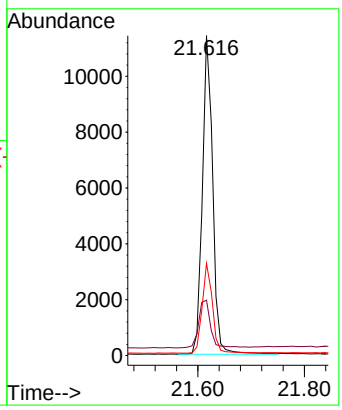


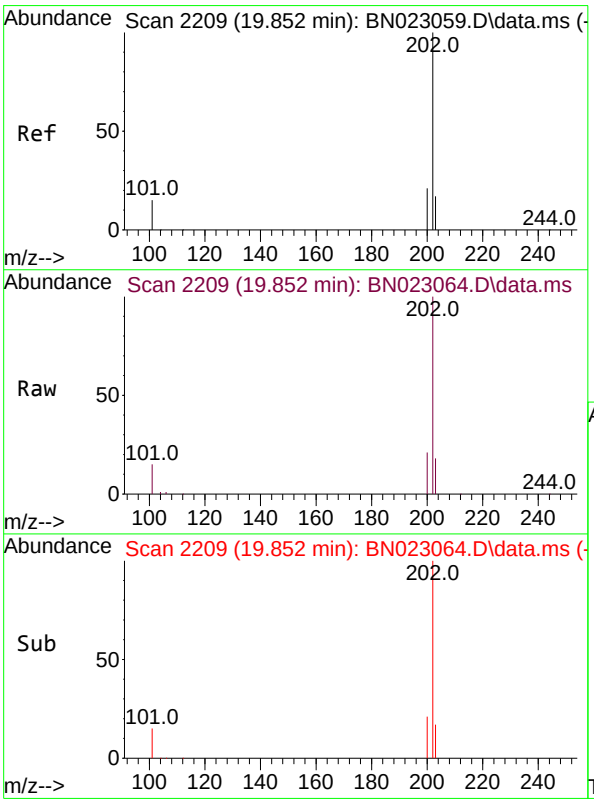
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:240 Resp: 15345

Ion	Ratio	Lower	Upper
240	100		
120	17.3	14.2	21.4
236	28.8	22.8	34.2

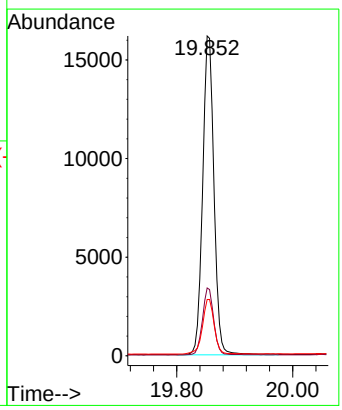


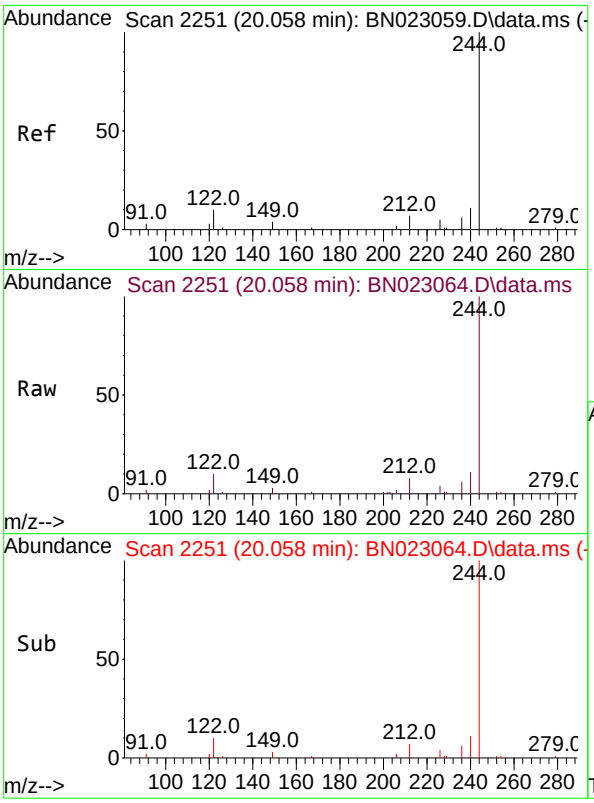


#30
Pyrene
Concen: 0.337 ng
RT: 19.852 min Scan# 2209
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:202 Resp: 21867

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.8	14.3	21.5



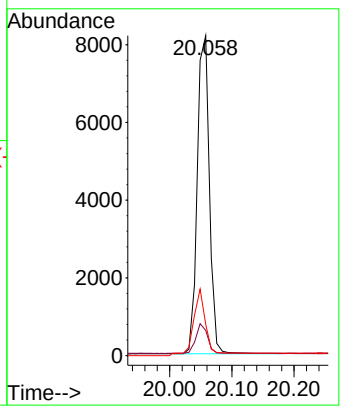


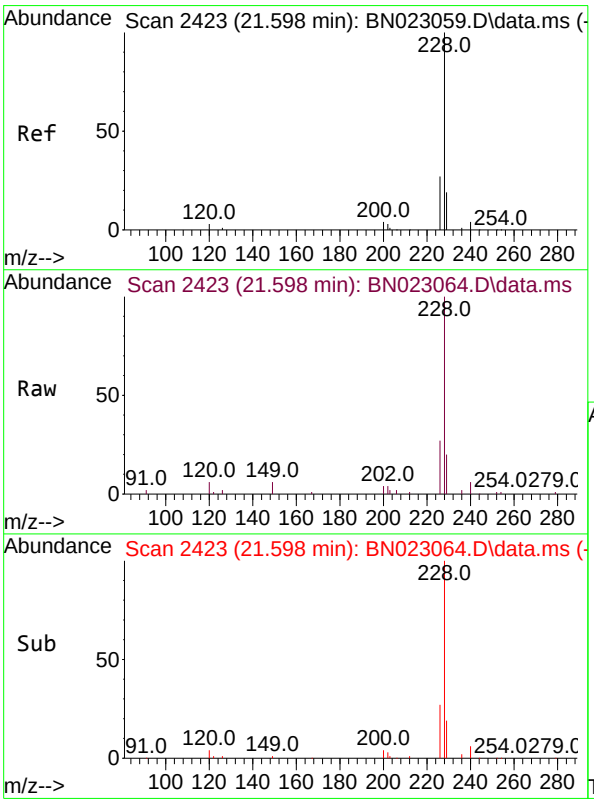
#31
Terphenyl-d14
Concen: 0.353 ng
RT: 20.058 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:244 Resp: 11062

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	9.8	7.7	11.5

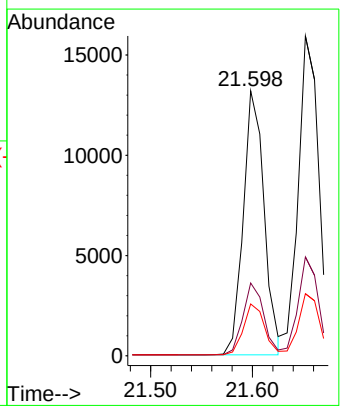


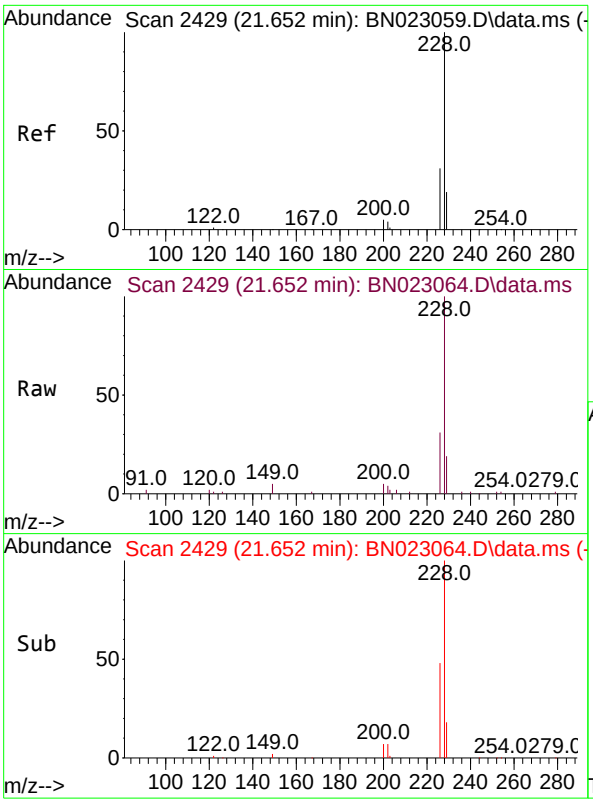


#32
Benzo(a)anthracene
Concen: 0.332 ng
RT: 21.598 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:228 Resp: 18808

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.4
229	19.6	15.7	23.5



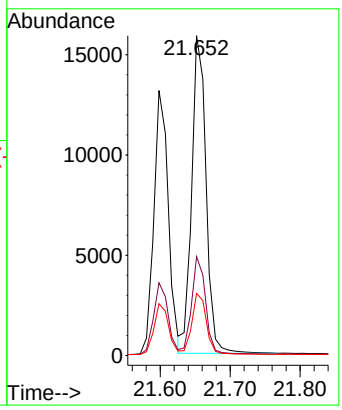


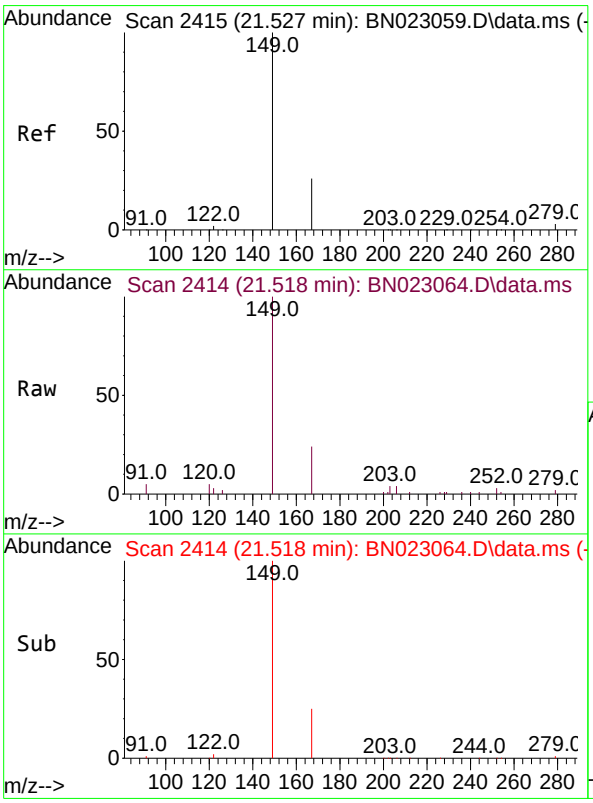
#33
Chrysene
Concen: 0.358 ng
RT: 21.652 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:228 Resp: 22529

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.4	15.4	23.0

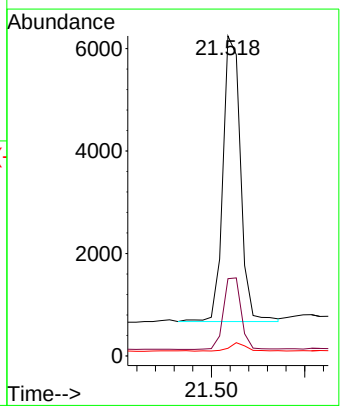


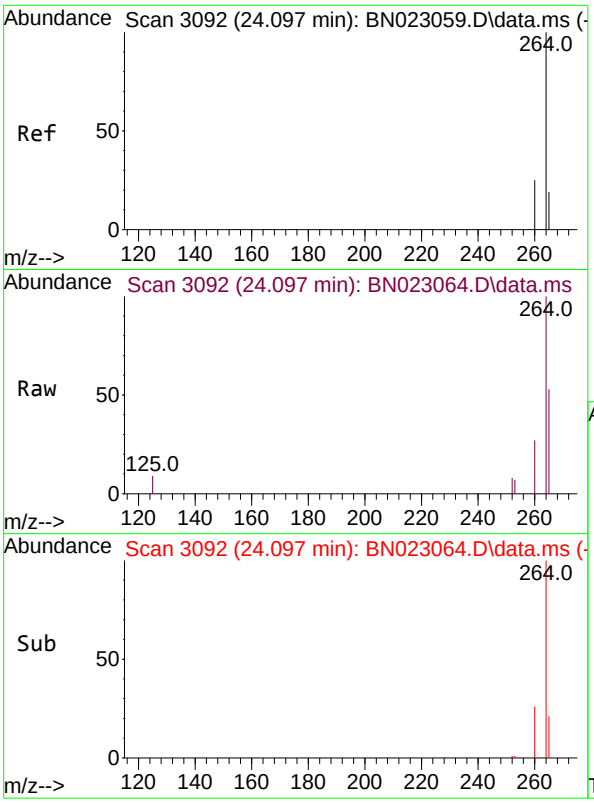


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.329 ng
RT: 21.518 min Scan# 2414
Delta R.T. -0.009 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:149 Resp: 7304

Ion	Ratio	Lower	Upper
149	100		
167	25.1	19.5	29.3
279	3.0	2.6	4.0



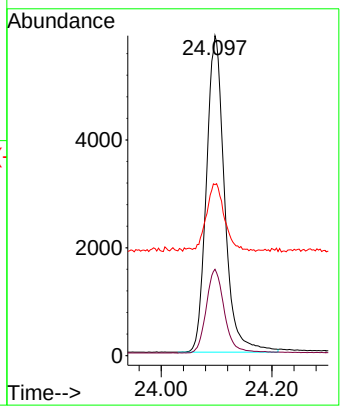


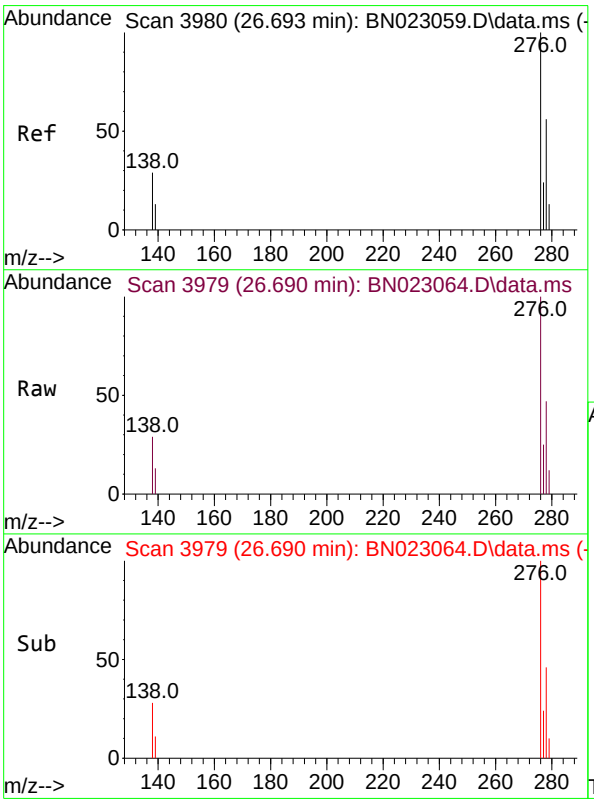
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.097 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:264 Resp: 13420

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.0	31.4
265	53.4	45.0	67.6

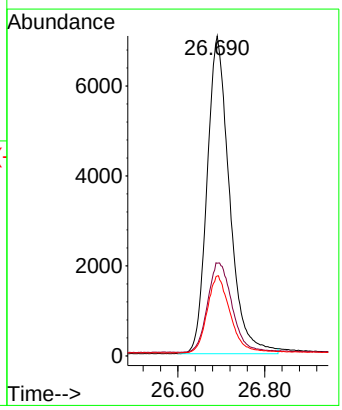


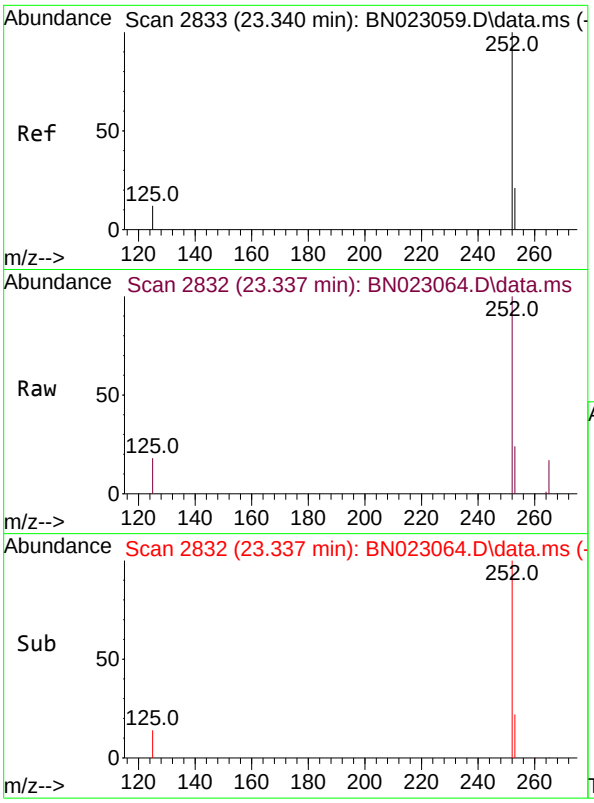


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.349 ng
RT: 26.690 min Scan# 3979
Delta R.T. -0.003 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:276 Resp: 25299

Ion	Ratio	Lower	Upper
276	100		
138	30.8	24.4	36.6
277	25.2	19.8	29.8



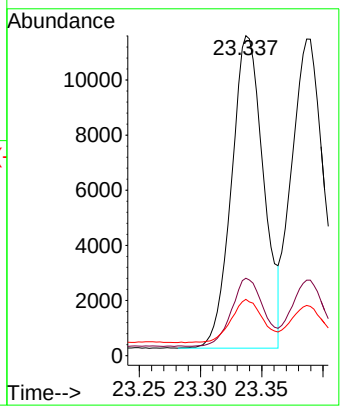


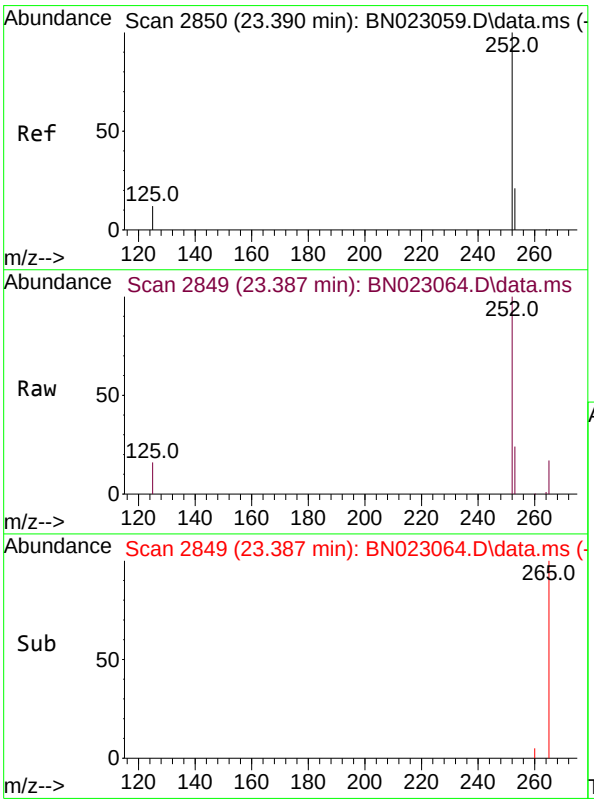
#37
Benzo(b)fluoranthene
Concen: 0.336 ng
RT: 23.337 min Scan# 28
Delta R.T. -0.003 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:252 Resp: 20634

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.5	29.3
125	17.6	13.4	20.2

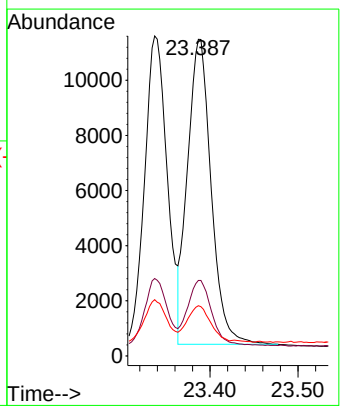


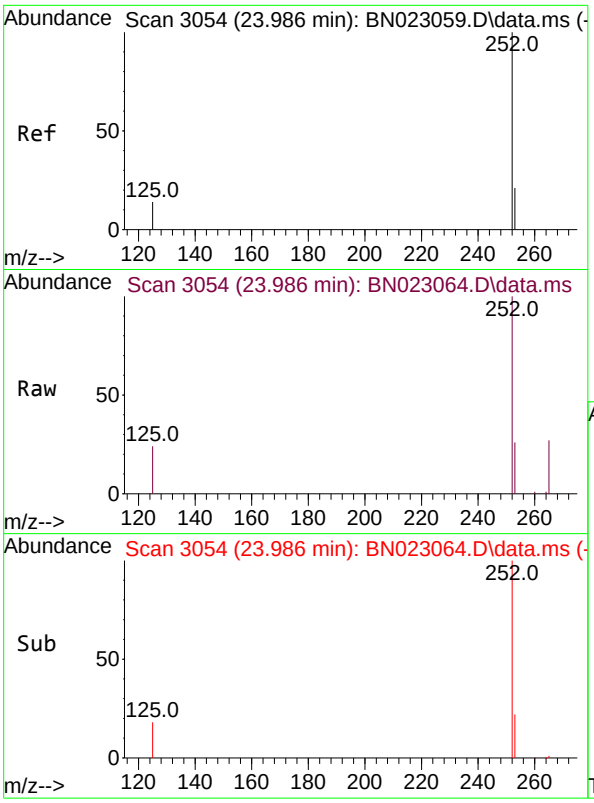


#38
Benzo(k)fluoranthene
Concen: 0.328 ng
RT: 23.387 min Scan# 2849
Delta R.T. -0.003 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:252 Resp: 20674

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.2
125	15.8	13.5	20.3



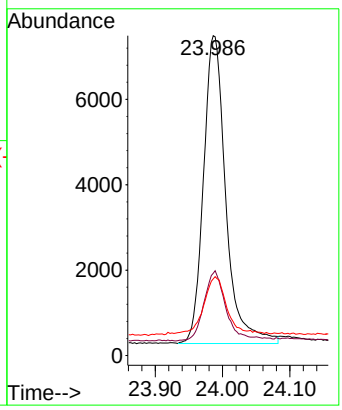


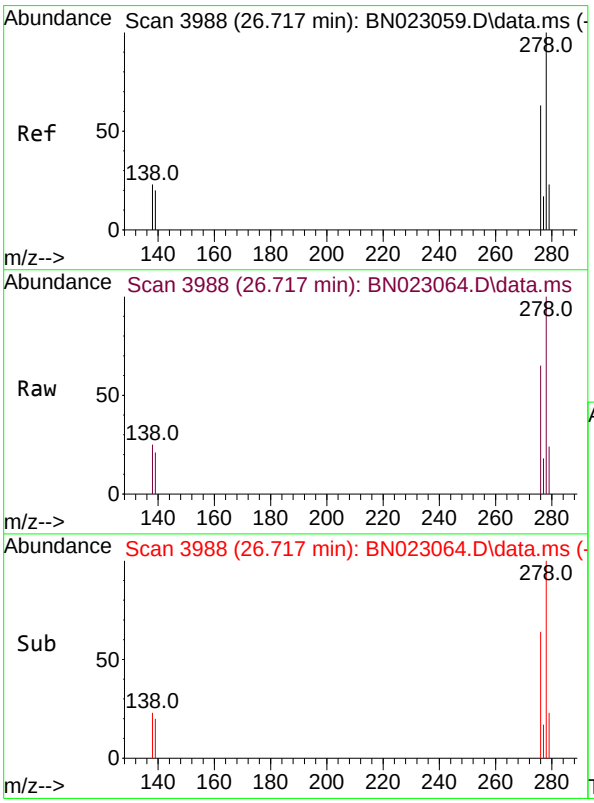
#39
Benzo(a)pyrene
Concen: 0.346 ng
RT: 23.986 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:252 Resp: 16662

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.7	31.1
125	24.0	17.1	25.7

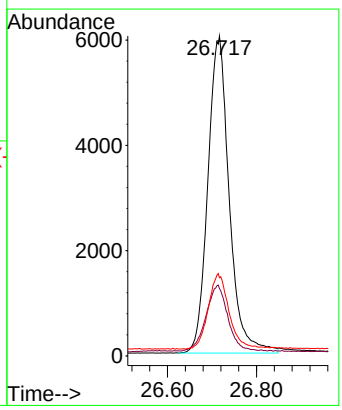


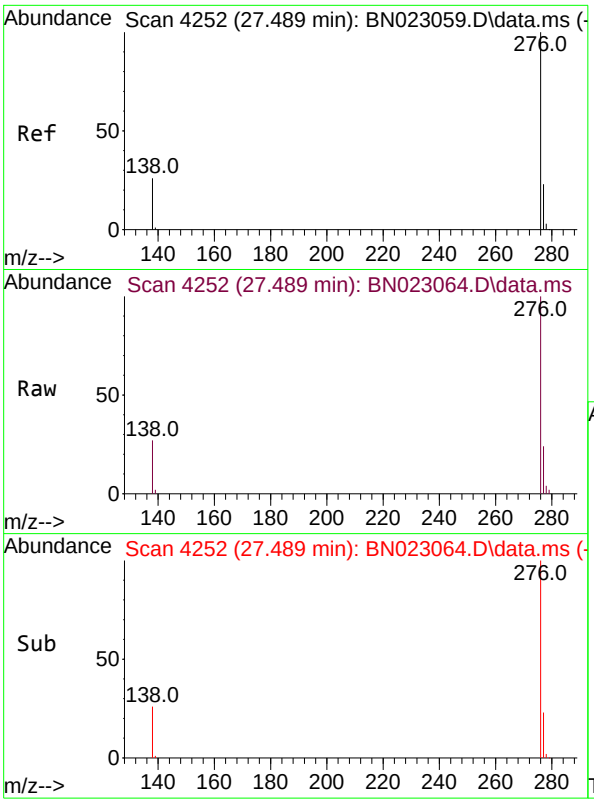


#40
Dibenzo(a,h)anthracene
Concen: 0.347 ng
RT: 26.717 min Scan# 3988
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Tgt Ion:278 Resp: 20055

Ion	Ratio	Lower	Upper
278	100		
139	21.0	17.2	25.8
279	24.4	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 0.335 ng
RT: 27.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN023064.D
Acq: 05 Dec 2022 17:52

Instrument :
BNA_N
ClientSampleId :
ICVBN120522

Tgt Ion:276 Resp: 20237

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.7	29.5
138	27.0	22.2	33.4