Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012723\
Data File : BN023821.D
Acq On : 26 Jan 2023 17:21
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Quant Time: Jan 27 01:17:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 27 01:06:05 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.876	152	4572	0.400	ng		0.00
7) Naphthalene-d8	10.680	136	12743	0.400	ng		#-0.01
13) Acenaphthene-d10	14.527	164	7070	0.400	ng		0.00
19) Phenanthrene-d10	17.266	188	16291	0.400	ng		0.00
29) Chrysene-d12	21.473	240	14380	0.400	ng		0.00
35) Perylene-d12	23.878	264	11200	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.428	112	3837	0.403	ng		0.00
5) Phenol-d6	7.038	99	4333	0.385	ng		0.00
8) Nitrobenzene-d5	9.035	82	3471	0.358	ng		-0.01
11) 2-Methylnaphthalene-d10	12.276	152	6250	0.371	ng		0.00
14) 2,4,6-Tribromophenol	16.012	330	1113	0.359	ng		0.00
15) 2-Fluorobiphenyl	13.148	172	9850	0.350	ng		0.00
27) Fluoranthene-d10	19.304	212	14087	0.370	ng		0.00
31) Terphenyl-d14	19.903	244	10698	0.392	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.297	88	1892	0.393	ng		97
3) n-Nitrosodimethylamine	3.629	42	1996	0.391	ng		98
6) bis(2-Chloroethyl)ether	7.298	93	4487	0.393	ng		100
9) Naphthalene	10.733	128	11811	0.370	ng		100
10) Hexachlorobutadiene	11.021	225	2460	0.384	ng	#	99
12) 2-Methylnaphthalene	12.348	142	7340	0.359	ng		98
16) Acenaphthylene	14.239	152	9462	0.337	ng		100
17) Acenaphthene	14.581	154	6872	0.365	ng		99
18) Fluorene	15.575	166	9469	0.371	ng		99
20) 4,6-Dinitro-2-methylph...	15.661	198	919	0.391	ng	#	61
21) 4-Bromophenyl-phenylether	16.459	248	3157	0.349	ng		96
22) Hexachlorobenzene	16.583	284	3761	0.346	ng		97
23) Atrazine	16.732	200	2260	0.344	ng		99
24) Pentachlorophenol	16.930	266	1176	0.387	ng		98
25) Phenanthrene	17.315	178	16010	0.354	ng		100
26) Anthracene	17.402	178	12620	0.344	ng		100
28) Fluoranthene	19.334	202	17861	0.360	ng		99
30) Pyrene	19.701	202	17846	0.365	ng		99
32) Benzo(a)anthracene	21.455	228	15443	0.353	ng		99
33) Chrysene	21.509	228	17629	0.365	ng		100
34) Bis(2-ethylhexyl)phtha...	21.374	149	6529	0.329	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.360	276	15444	0.332	ng		97
37) Benzo(b)fluoranthene	23.141	252	15318	0.363	ng		98
38) Benzo(k)fluoranthene	23.191	252	15006	0.360	ng		99
39) Benzo(a)pyrene	23.767	252	10922	0.345	ng		98
40) Dibenzo(a,h)anthracene	26.386	278	12571	0.334	ng		98
41) Benzo(g,h,i)perylene	27.117	276	13619	0.341	ng		97

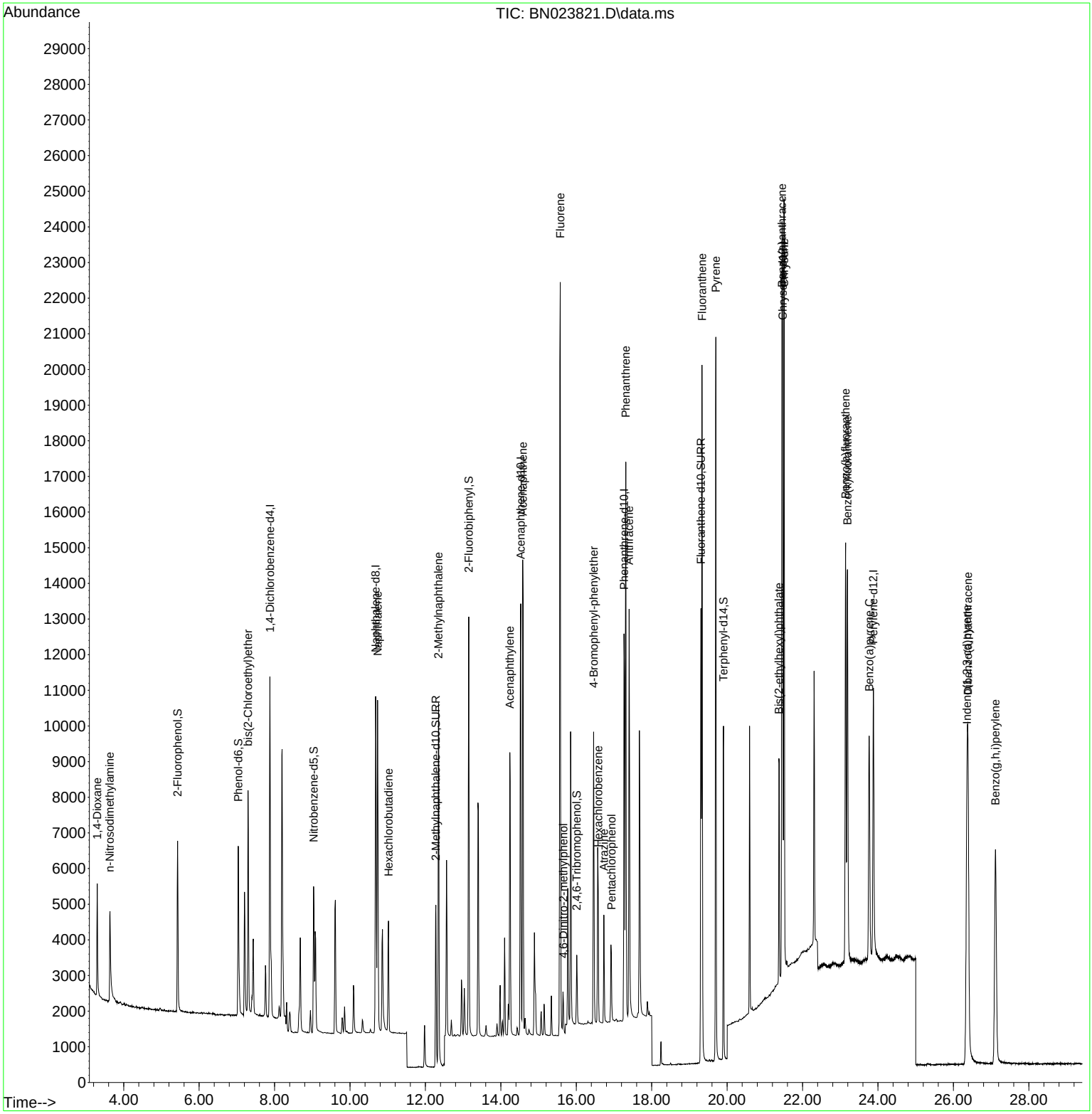
(#) = qualifier out of range (m) = manual integration (+) = signals summed

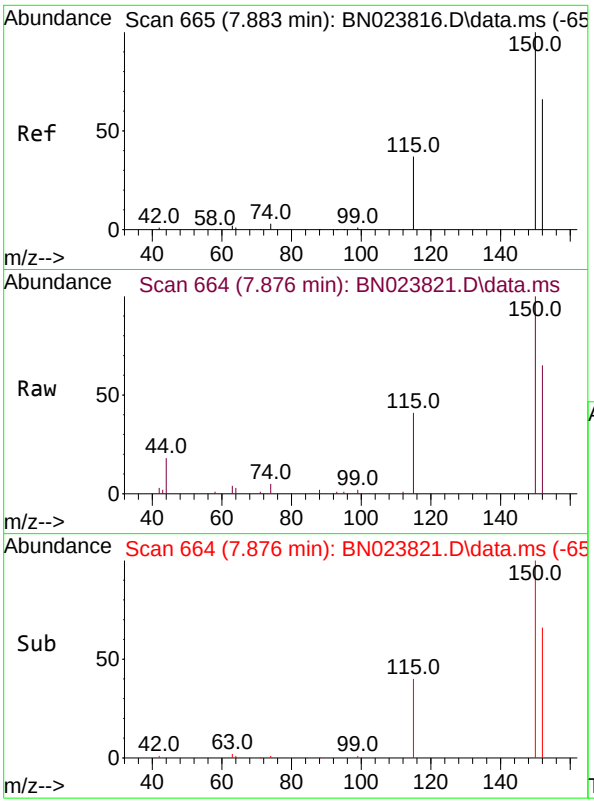
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012723\
Data File : BN023821.D
Acq On : 26 Jan 2023 17:21
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Quant Time: Jan 27 01:17:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 27 01:06:05 2023
Response via : Initial Calibration



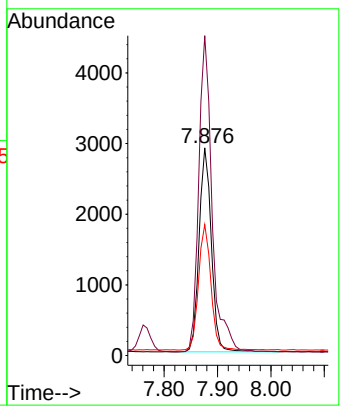


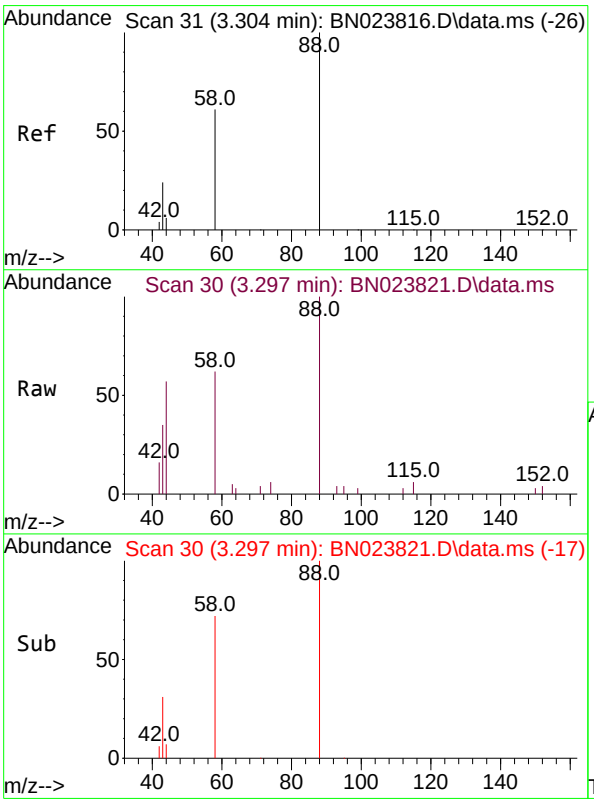
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.876 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:152 Resp: 4572

Ion	Ratio	Lower	Upper
152	100		
150	154.1	120.5	180.7
115	63.0	46.4	69.6

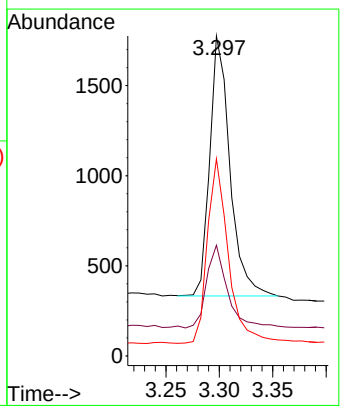


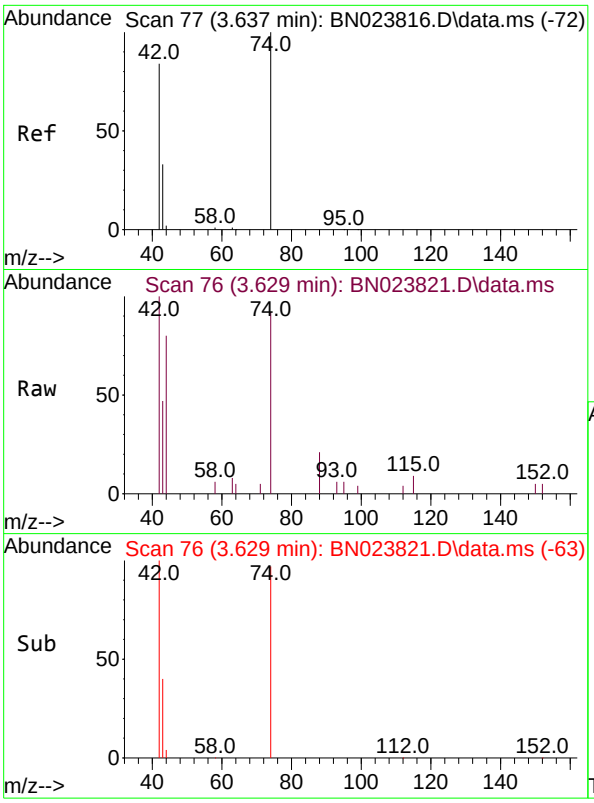


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.297 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion: 88 Resp: 1892

Ion	Ratio	Lower	Upper
88	100		
43	31.7	24.5	36.7
58	73.7	56.9	85.3



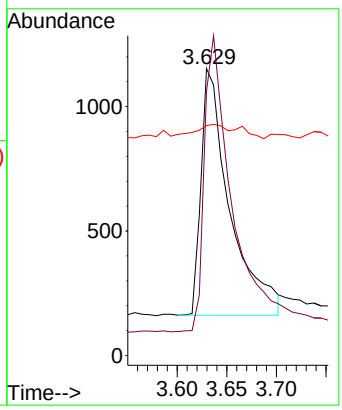


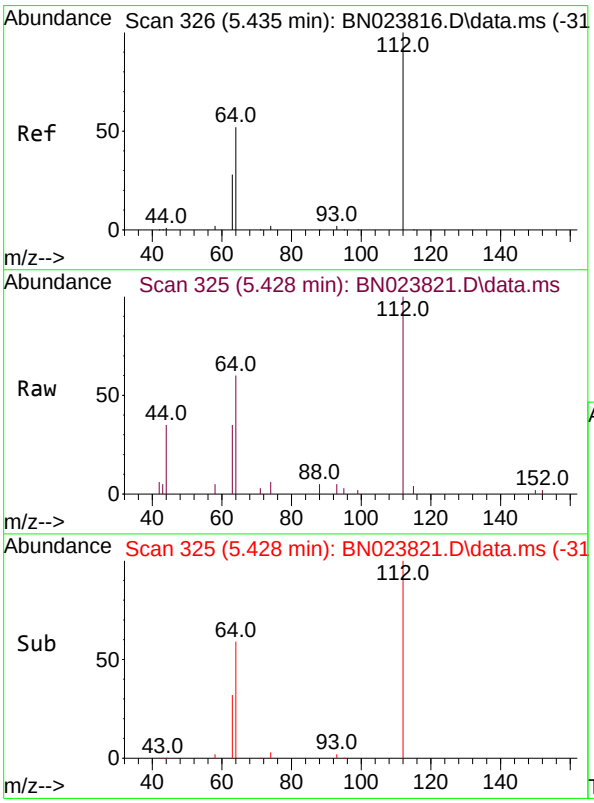
#3
n-Nitrosodimethylamine
Concen: 0.391 ng
RT: 3.629 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion: 42 Resp: 1996

Ion	Ratio	Lower	Upper
42	100		
74	116.5	91.8	137.8
44	8.5	6.9	10.3

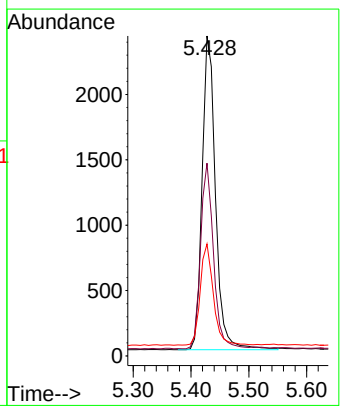


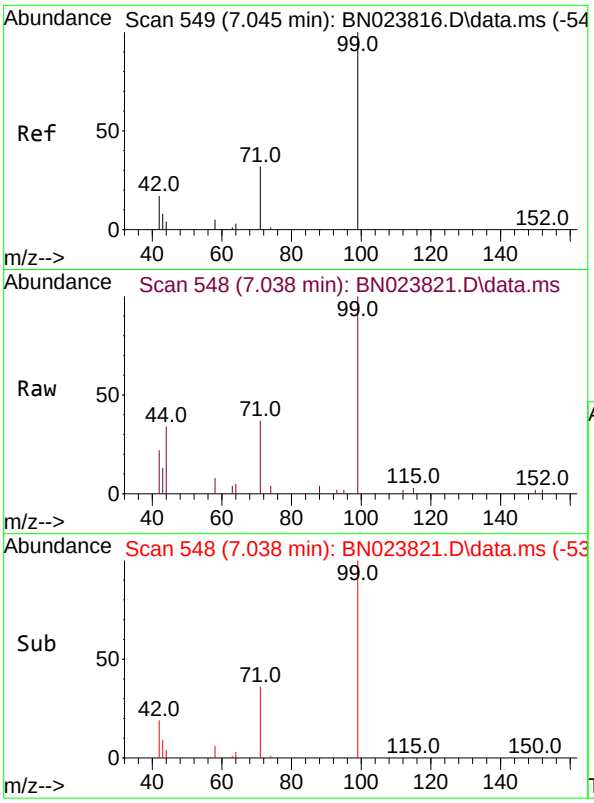


#4
2-Fluorophenol
Concen: 0.403 ng
RT: 5.428 min Scan# 325
Delta R.T. -0.007 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:112 Resp: 3837

Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.7	68.5
63	31.6	24.6	37.0



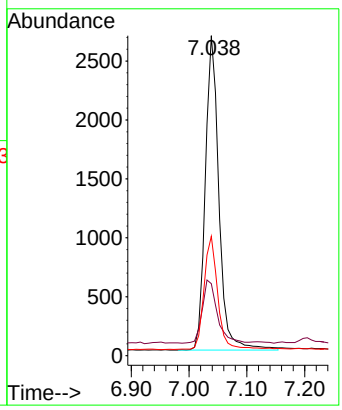


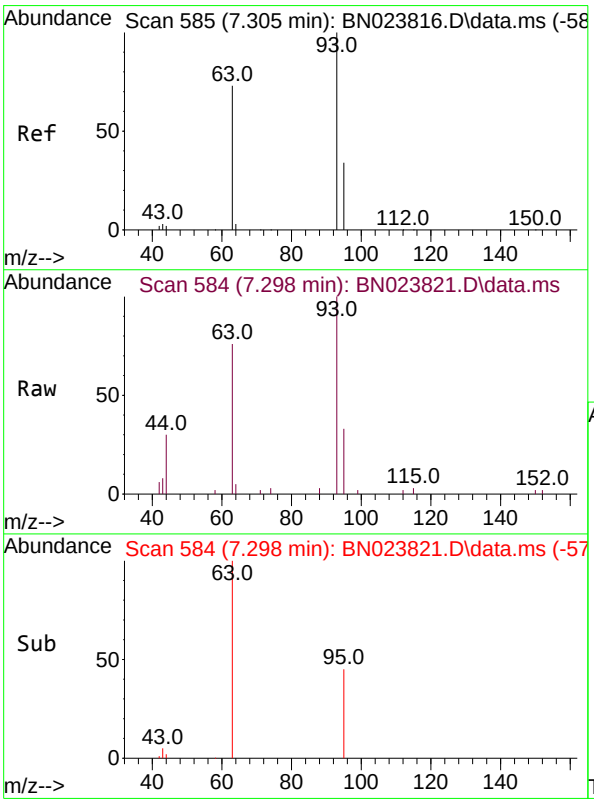
#5
Phenol-d6
Concen: 0.385 ng
RT: 7.038 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion: 99 Resp: 4333

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.9	26.9
71	36.7	27.7	41.5

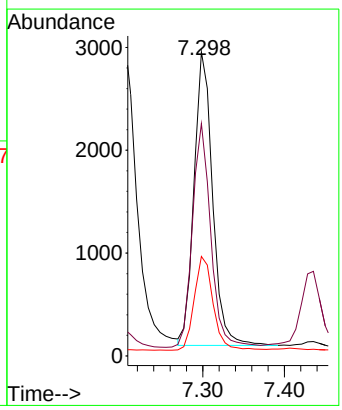


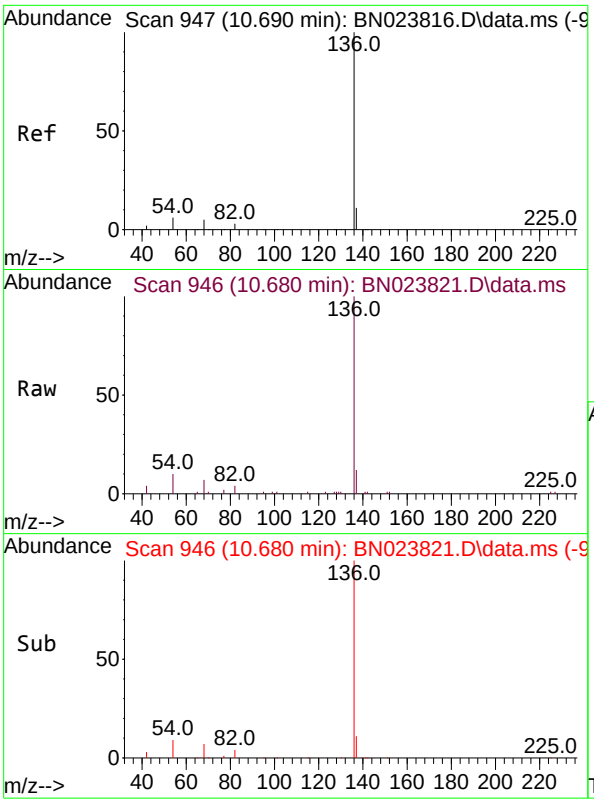


#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.298 min Scan# 584
Delta R.T. -0.007 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion: 93 Resp: 4487

Ion	Ratio	Lower	Upper
93	100		
63	75.7	60.2	90.4
95	32.7	25.9	38.9



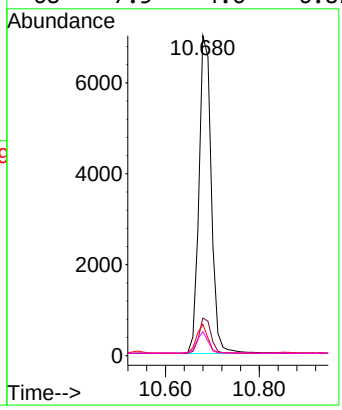


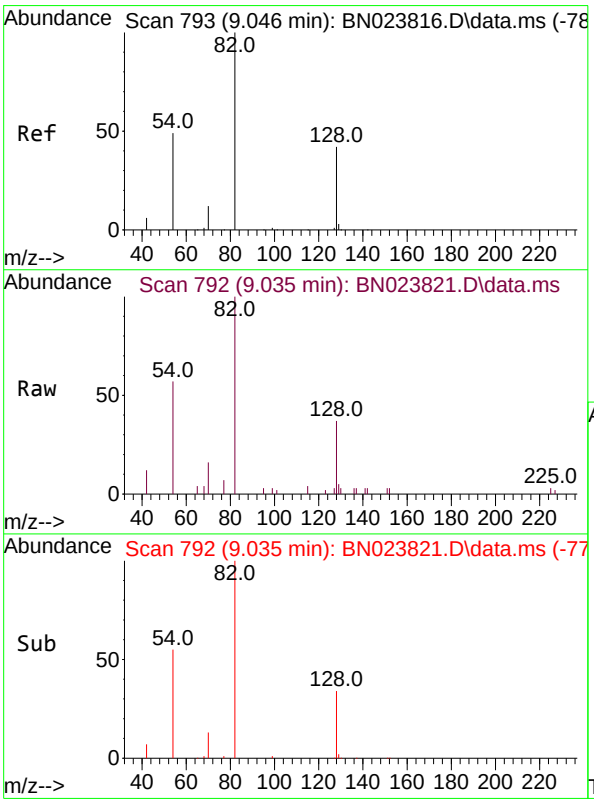
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.680 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:136 Resp: 12743

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	9.8	5.4	8.2#
68	7.5	4.6	6.8#

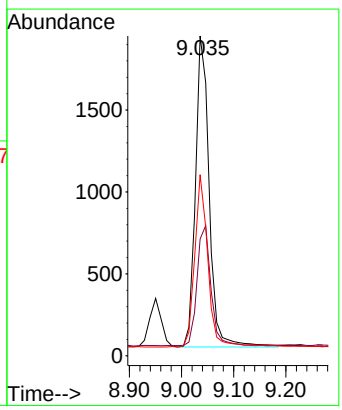


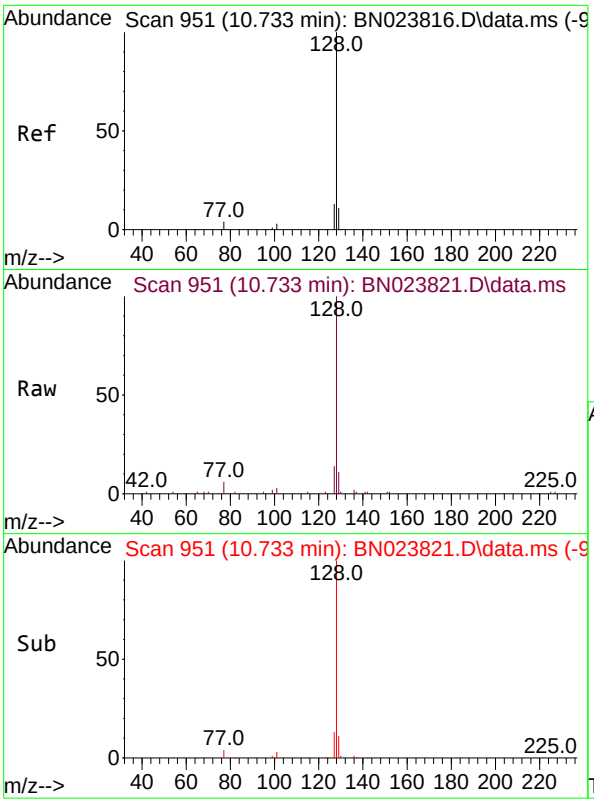


#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 9.035 min Scan# 792
Delta R.T. -0.011 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion: 82 Resp: 3471

Ion	Ratio	Lower	Upper
82	100		
128	36.5	35.6	53.4
54	56.6	40.2	60.4



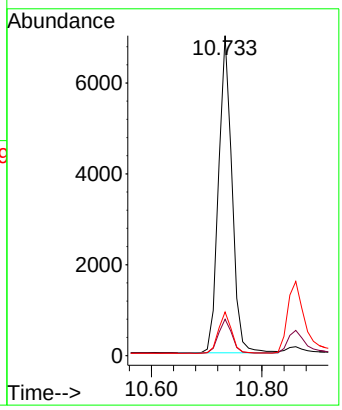


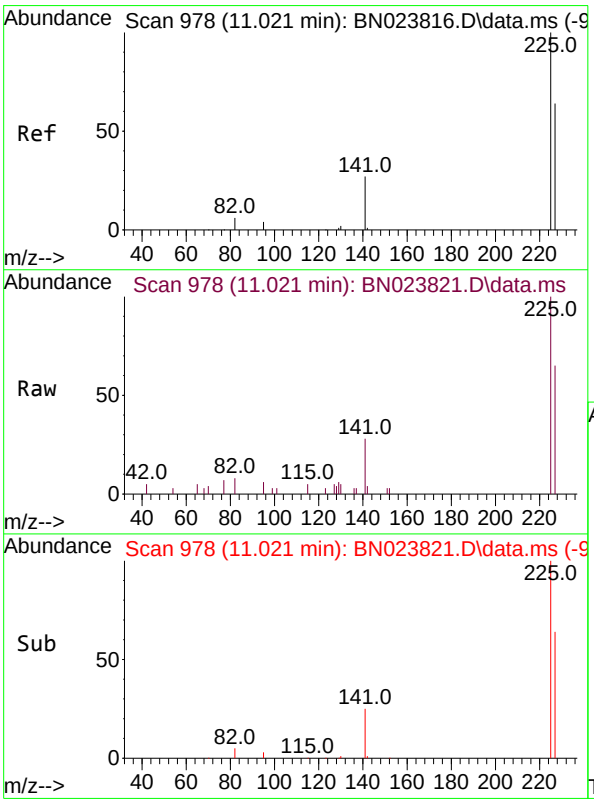
#9
Naphthalene
Concen: 0.370 ng
RT: 10.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:128 Resp: 11811

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.6	11.0	16.6

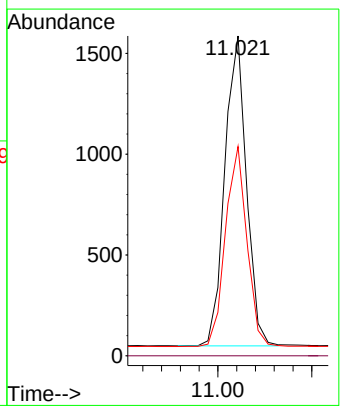


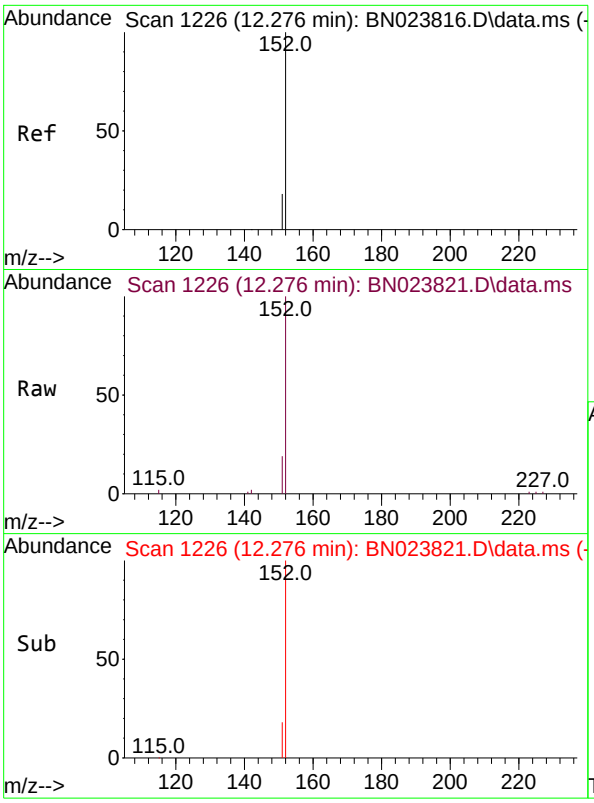


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 11.021 min Scan# 978
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:225 Resp: 2460

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.8	76.2



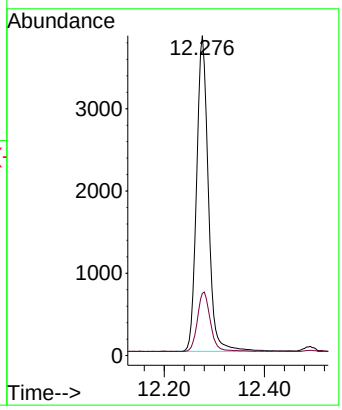


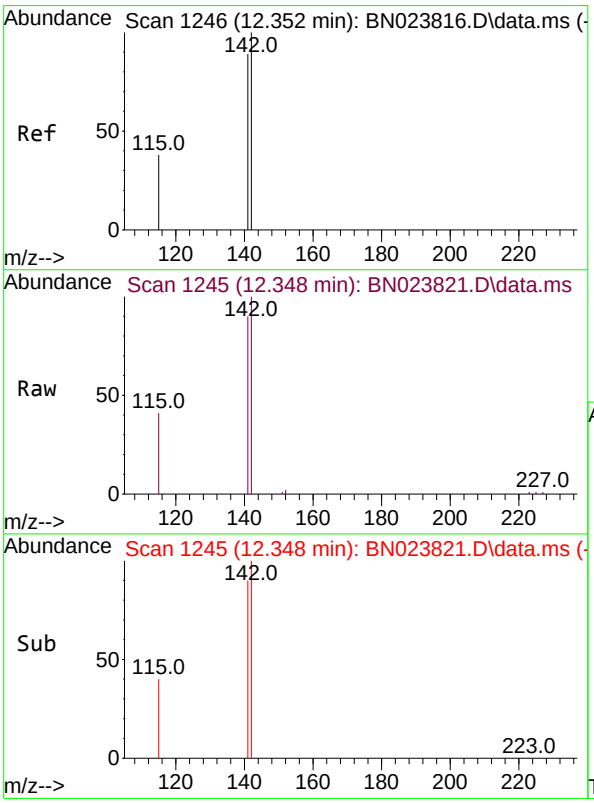
#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:152 Resp: 6250

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2

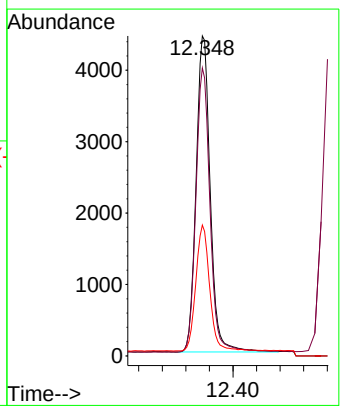


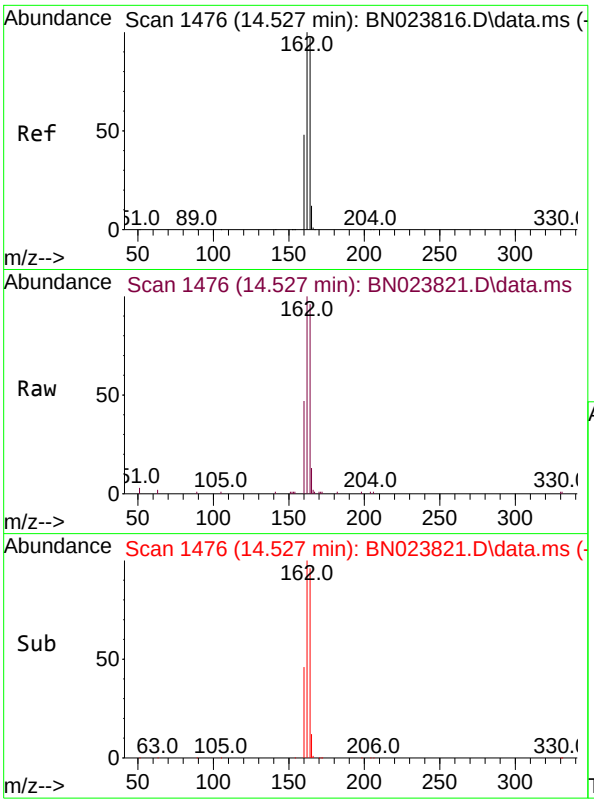


#12
2-Methylnaphthalene
Concen: 0.359 ng
RT: 12.348 min Scan# 1245
Delta R.T. -0.004 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:142 Resp: 7340

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	40.9	31.0	46.4



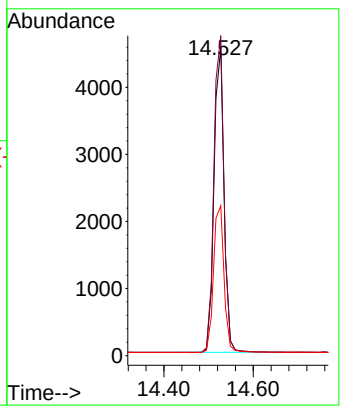


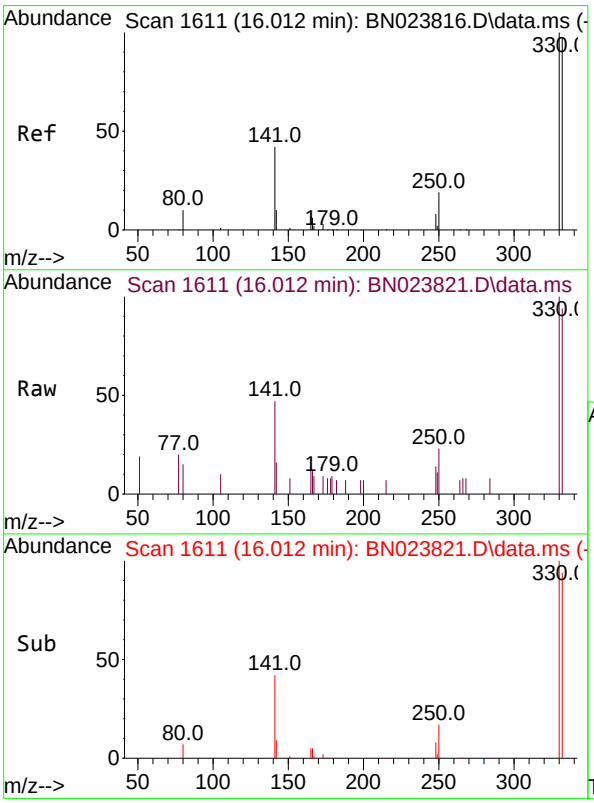
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.527 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:164 Resp: 7070

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.5	123.7
160	48.7	39.9	59.9

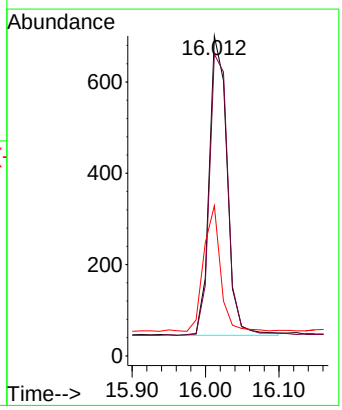


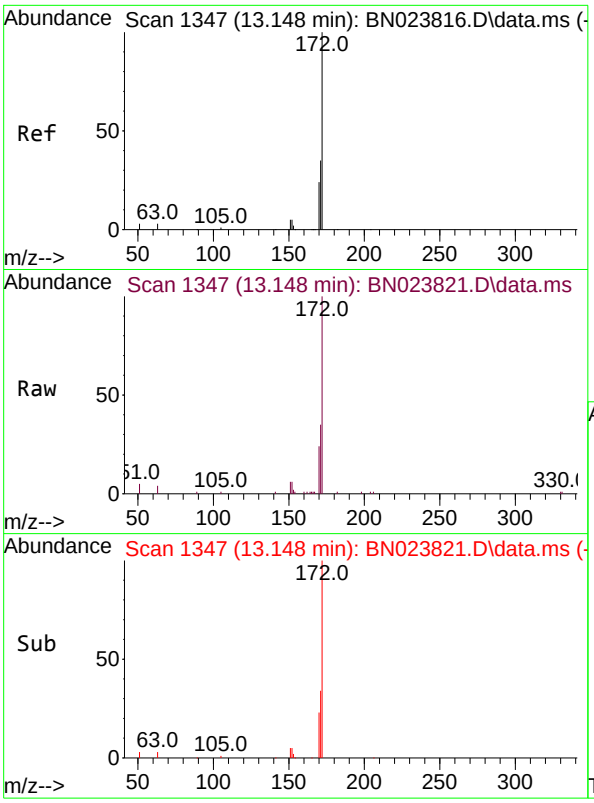


#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 16.012 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:330 Resp: 1113

Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.8	118.2
141	39.6	33.2	49.8



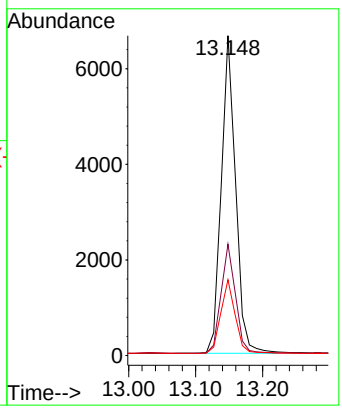


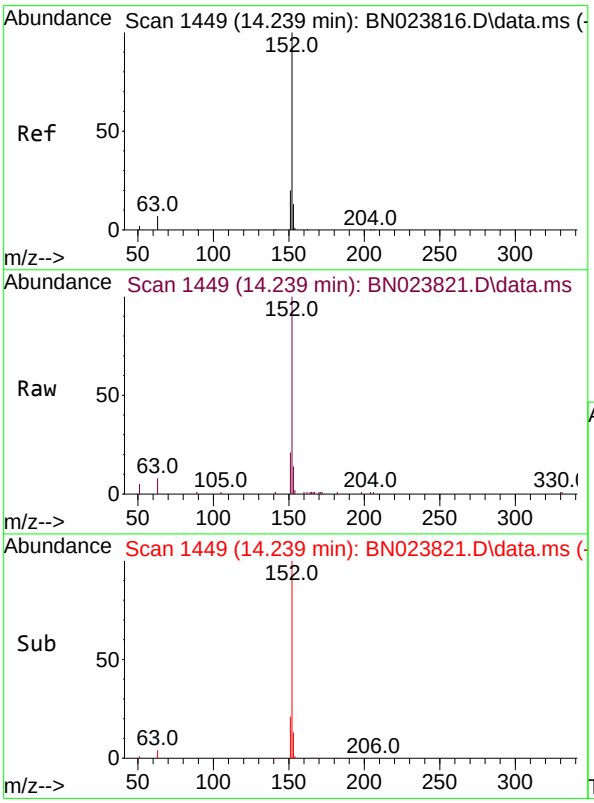
#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 13.148 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:172 Resp: 9850

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.4	42.6
170	23.7	19.4	29.2

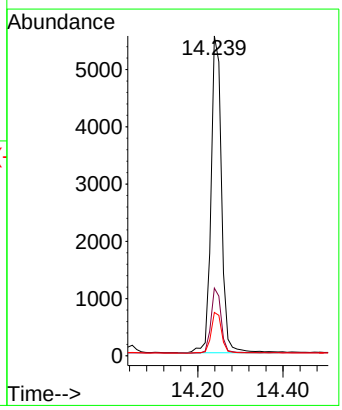


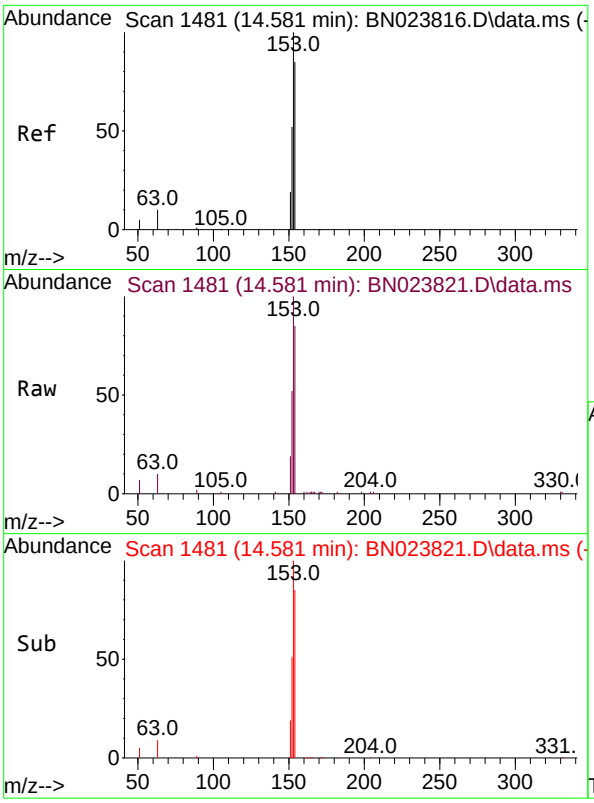


#16
Acenaphthylene
Concen: 0.337 ng
RT: 14.239 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:152 Resp: 9462

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.8	10.2	15.4



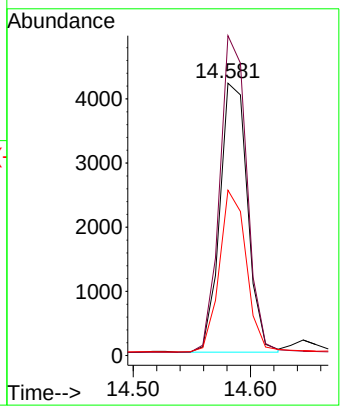


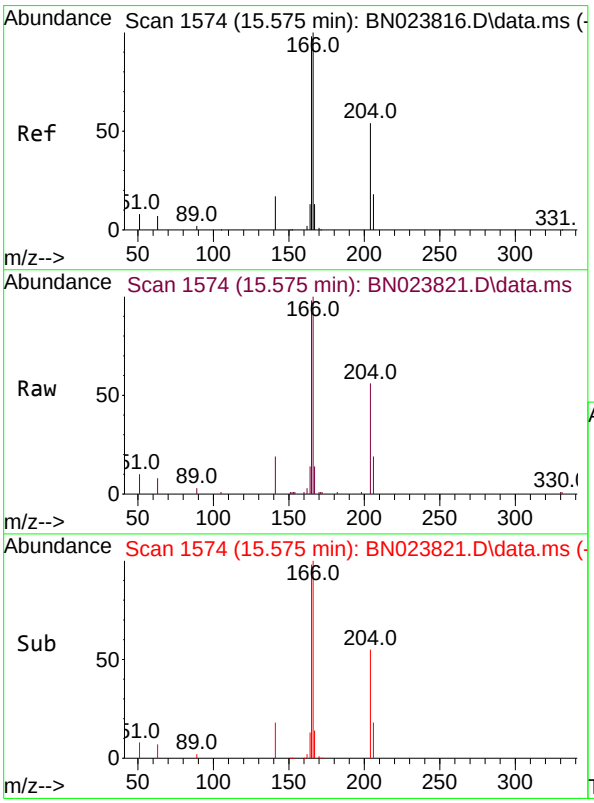
#17
Acenaphthene
Concen: 0.365 ng
RT: 14.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:154 Resp: 6872

Ion	Ratio	Lower	Upper
154	100		
153	116.3	92.6	139.0
152	59.3	48.3	72.5

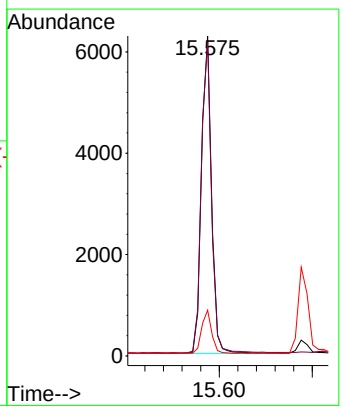


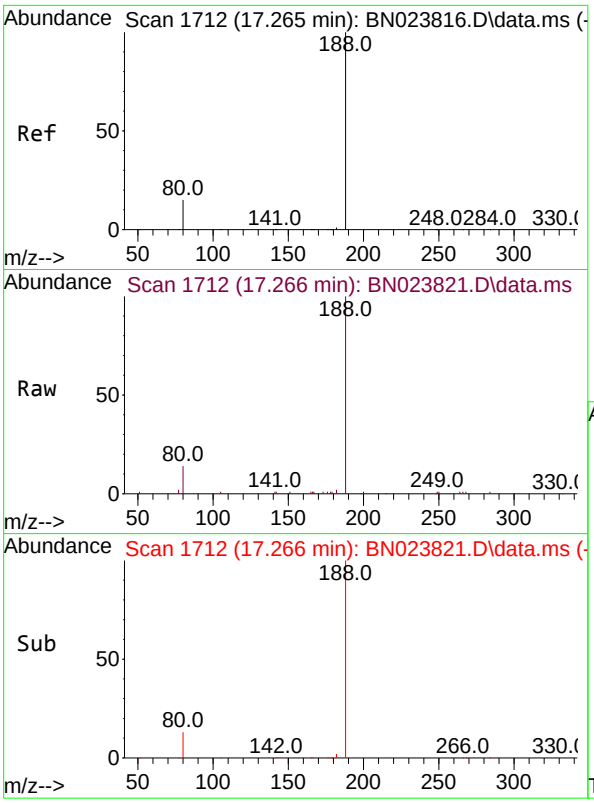


#18
Fluorene
Concen: 0.371 ng
RT: 15.575 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:166 Resp: 9469

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.4	120.6
167	13.4	10.7	16.1



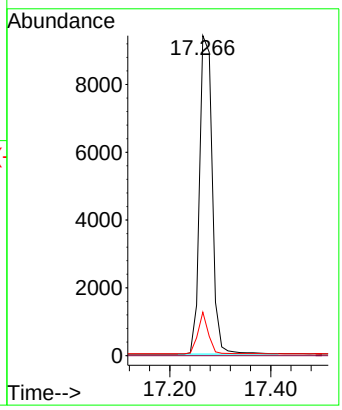


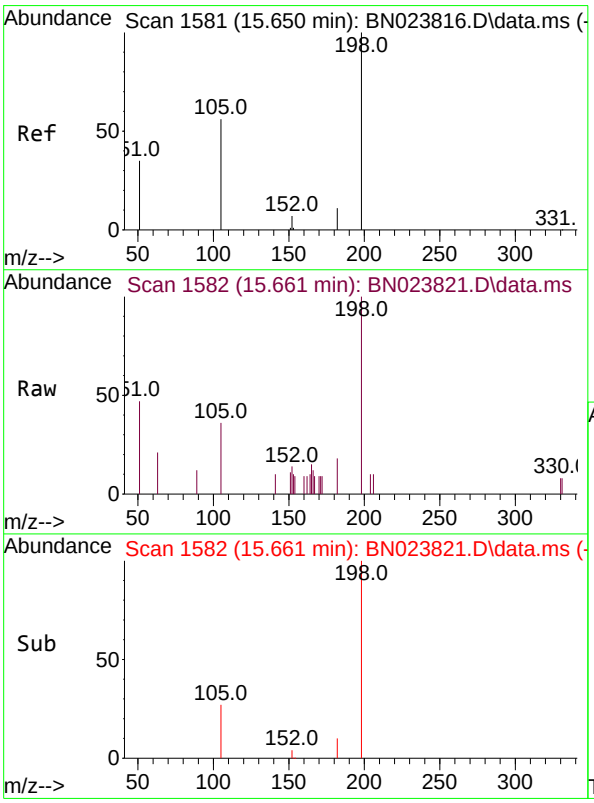
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.266 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:188 Resp: 16291

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	12.6	18.8

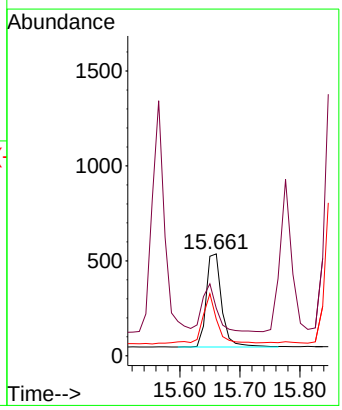


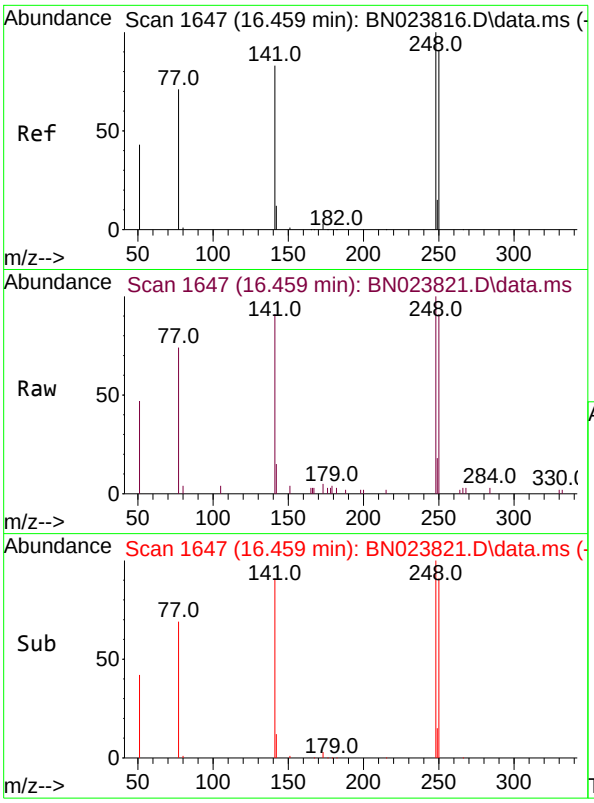


#20
4,6-Dinitro-2-methylphenol
Concen: 0.391 ng
RT: 15.661 min Scan# 1582
Delta R.T. 0.011 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:198 Resp: 919

Ion	Ratio	Lower	Upper
198	100		
51	46.6	65.1	97.7#
105	35.9	53.1	79.7#



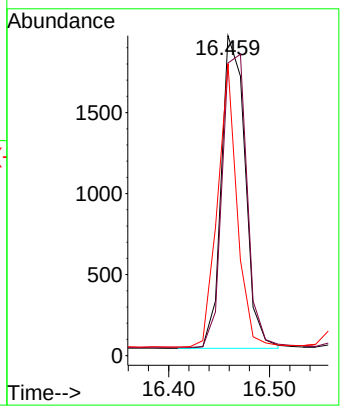


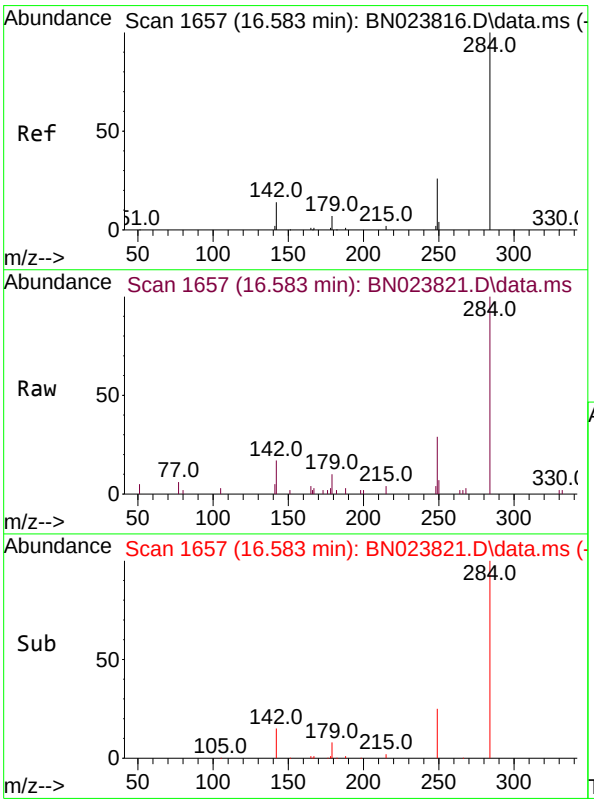
#21
4-Bromophenyl-phenylether
Concen: 0.349 ng
RT: 16.459 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:248 Resp: 3157

Ion	Ratio	Lower	Upper
248	100		
250	91.4	72.9	109.3
141	91.2	67.4	101.2

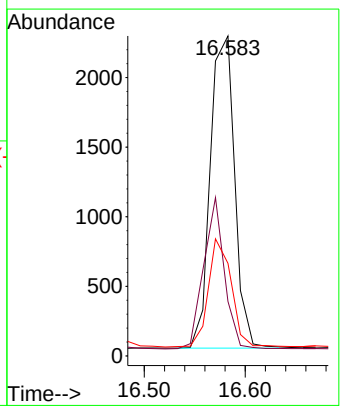


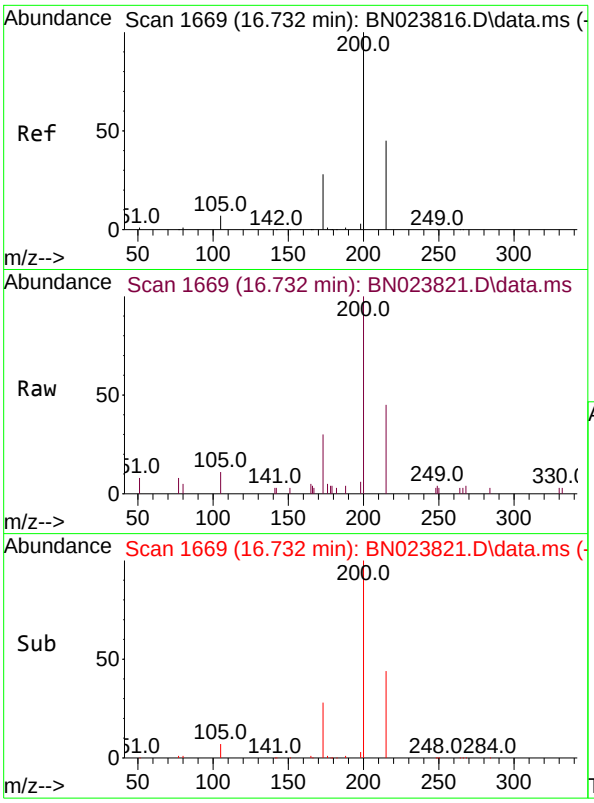


#22
Hexachlorobenzene
Concen: 0.346 ng
RT: 16.583 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:284 Resp: 3761

Ion	Ratio	Lower	Upper
284	100		
142	41.1	31.4	47.2
249	32.6	24.3	36.5



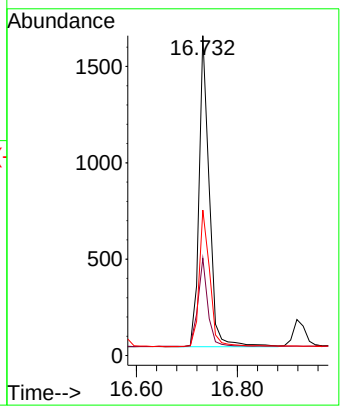


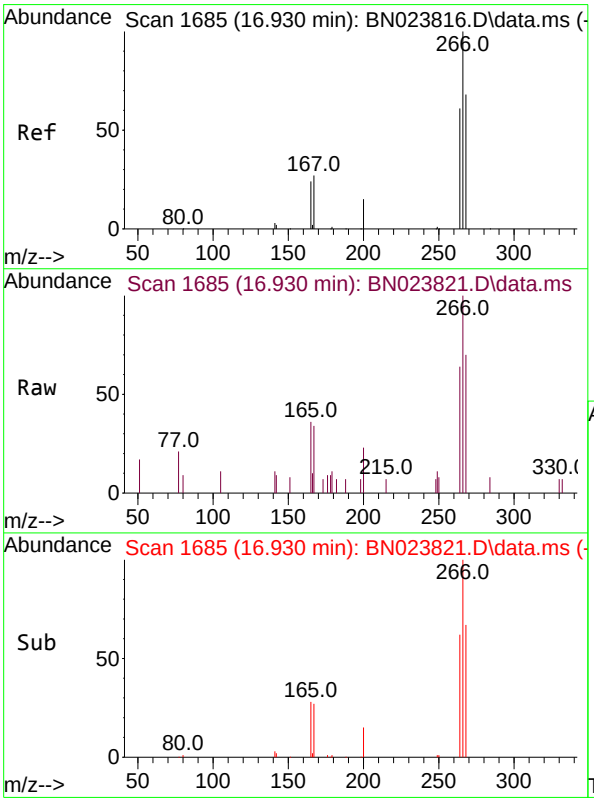
#23
Atrazine
Concen: 0.344 ng
RT: 16.732 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:200 Resp: 2260

Ion	Ratio	Lower	Upper
200	100		
173	30.4	24.1	36.1
215	45.5	36.8	55.2

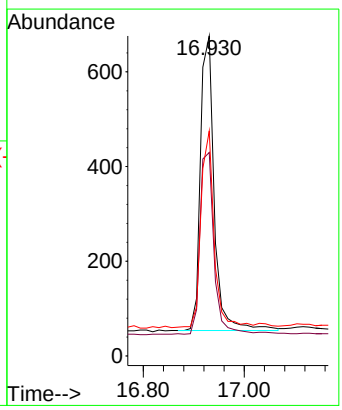


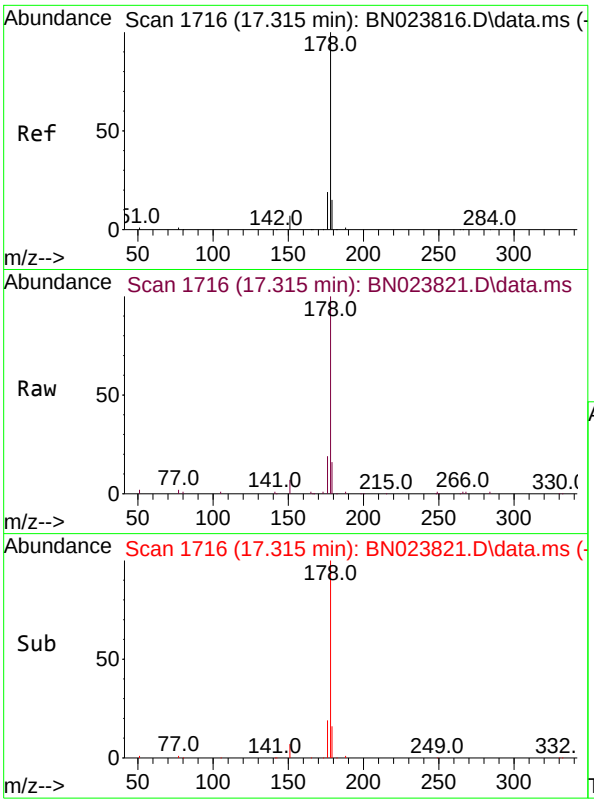


#24
Pentachlorophenol
Concen: 0.387 ng
RT: 16.930 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:266 Resp: 1176

Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.0	73.4
268	63.6	50.1	75.1



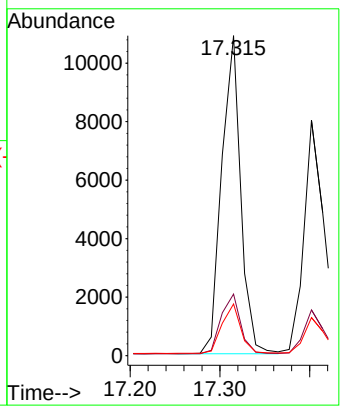


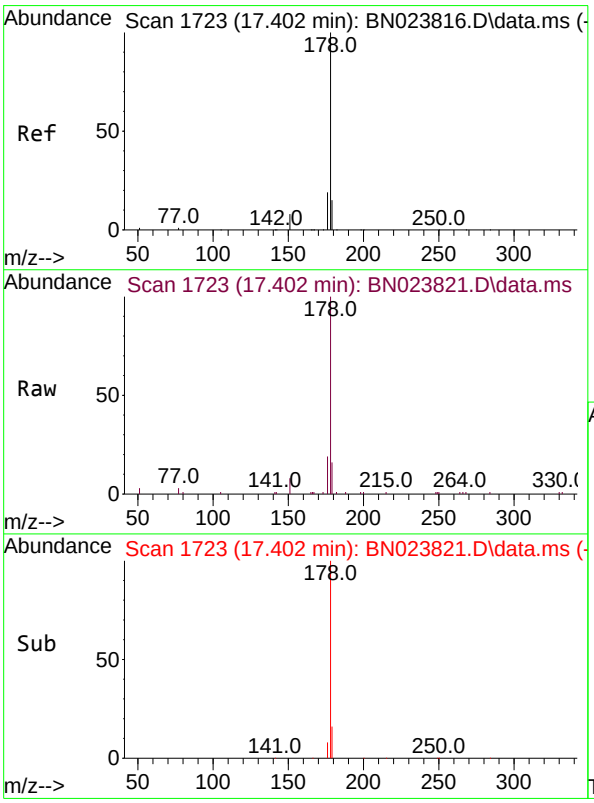
#25
Phenanthrene
Concen: 0.354 ng
RT: 17.315 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:178 Resp: 16010

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.2	18.4

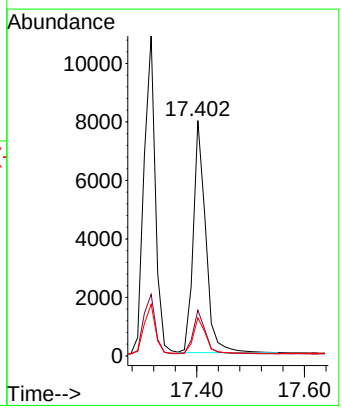


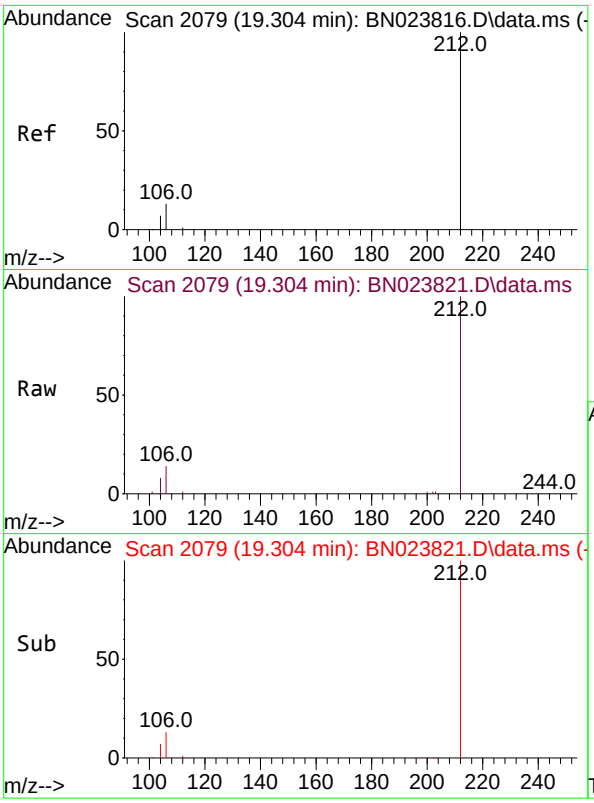


#26
Anthracene
Concen: 0.344 ng
RT: 17.402 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:178 Resp: 12620

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.4	12.1	18.1



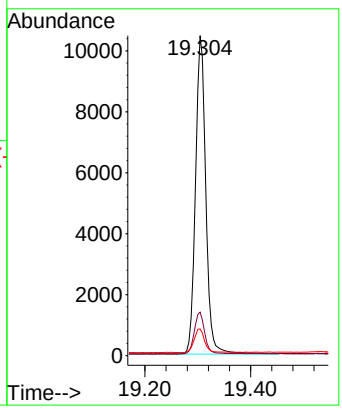


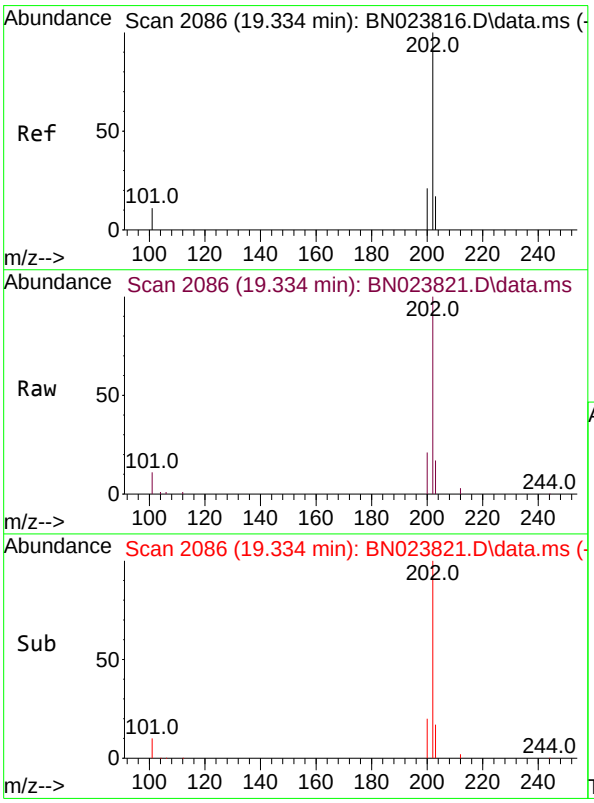
#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.304 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:212 Resp: 14087

Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.8	16.2
104	7.7	6.2	9.4

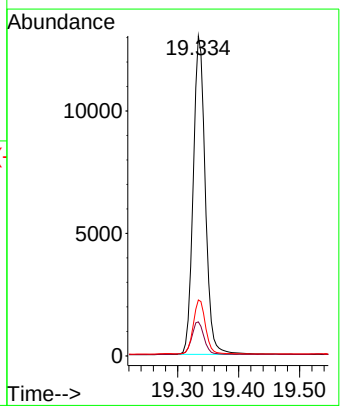


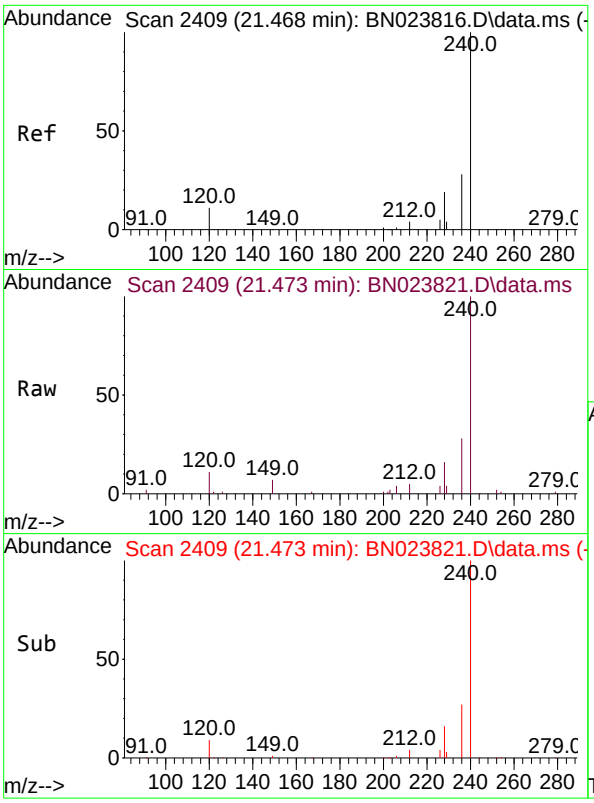


#28
Fluoranthene
Concen: 0.360 ng
RT: 19.334 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:202 Resp: 17861

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.1	13.7
203	17.1	13.7	20.5



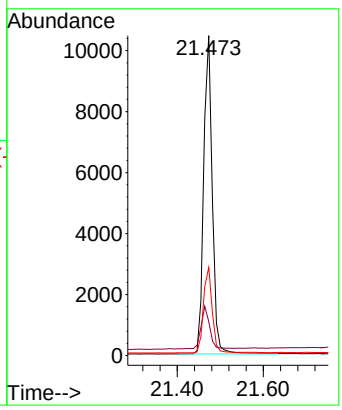


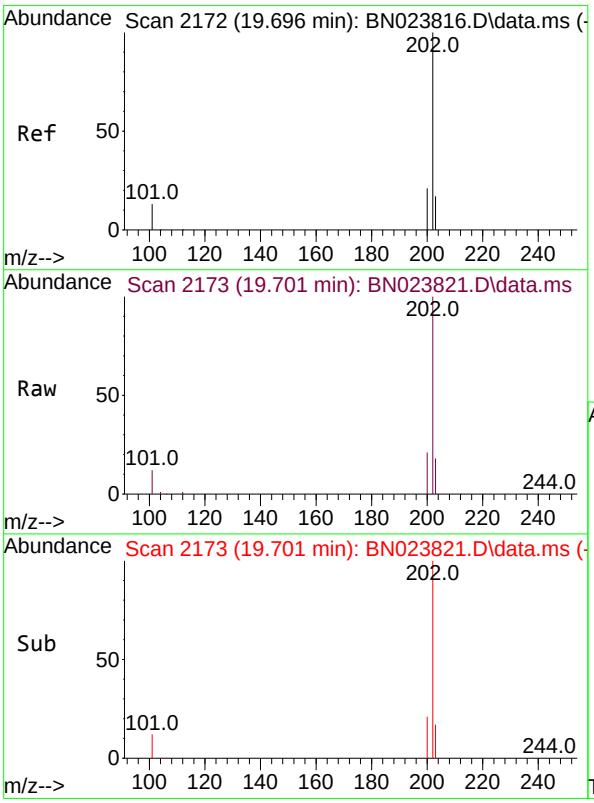
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.473 min Scan# 24
Delta R.T. 0.005 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:240 Resp: 14380

Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.6	15.8
236	27.6	22.5	33.7

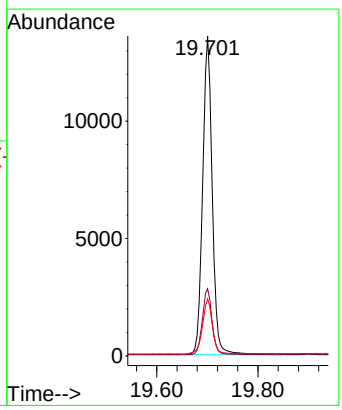


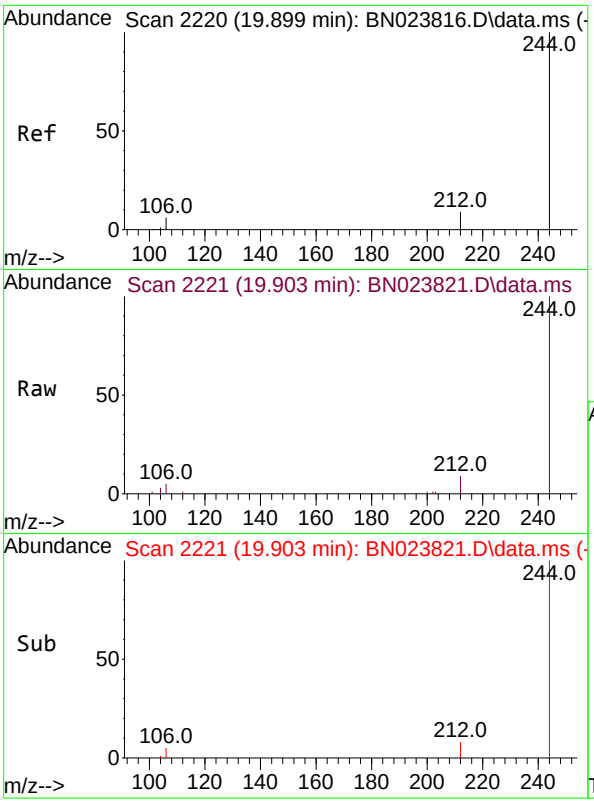


#30
Pyrene
Concen: 0.365 ng
RT: 19.701 min Scan# 2173
Delta R.T. 0.004 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:202 Resp: 17846

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.0	14.1	21.1



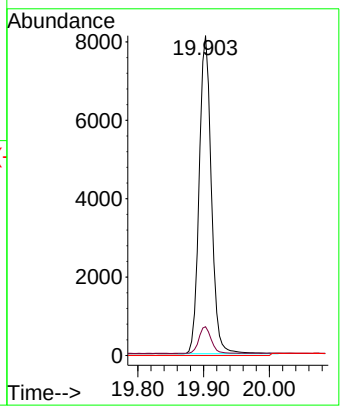


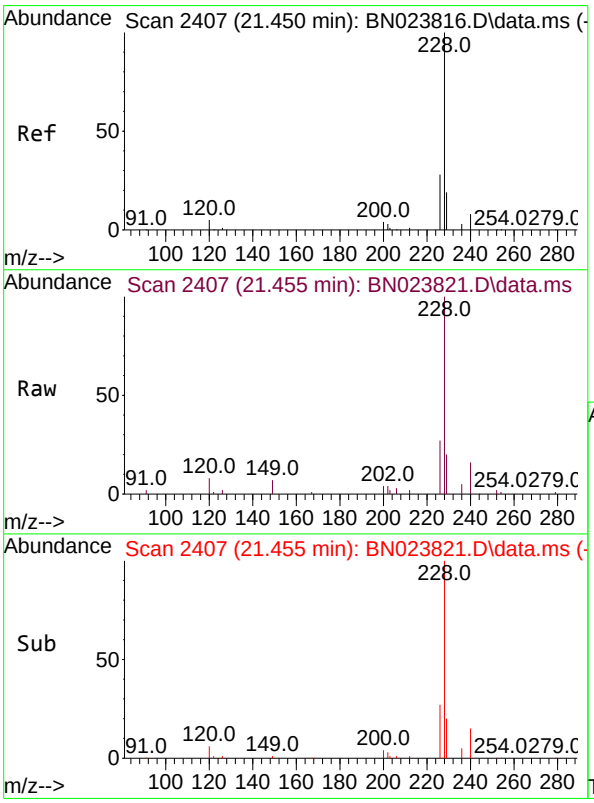
#31
Terphenyl-d14
Concen: 0.392 ng
RT: 19.903 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:244 Resp: 10698

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.4	11.0
122	0.0	0.0	0.0

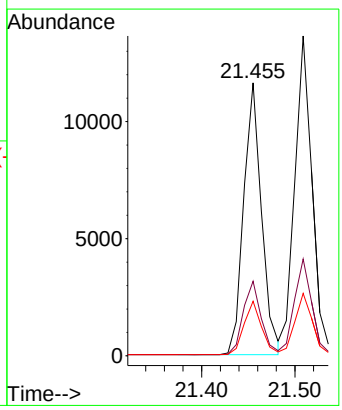


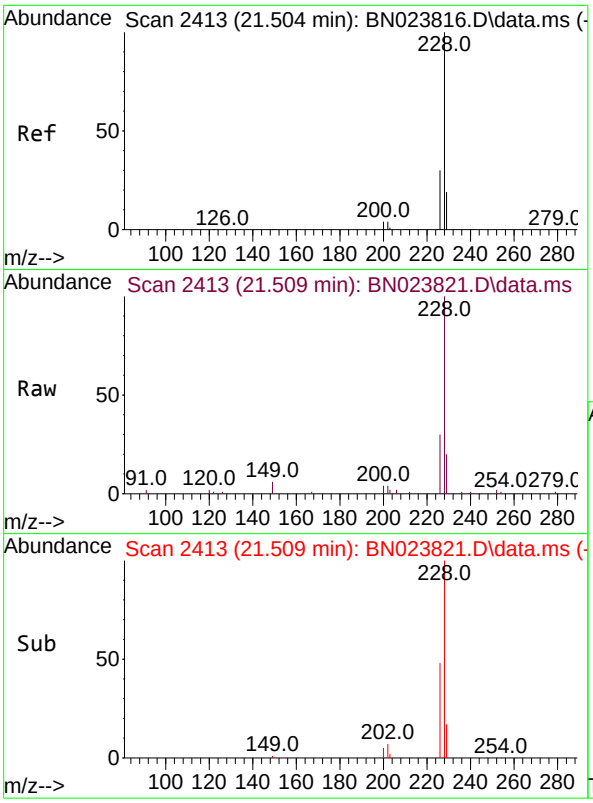


#32
Benzo(a)anthracene
Concen: 0.353 ng
RT: 21.455 min Scan# 2407
Delta R.T. 0.005 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:228 Resp: 15443

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	34.0
229	20.0	15.8	23.6



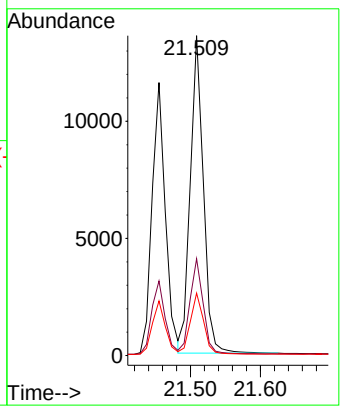


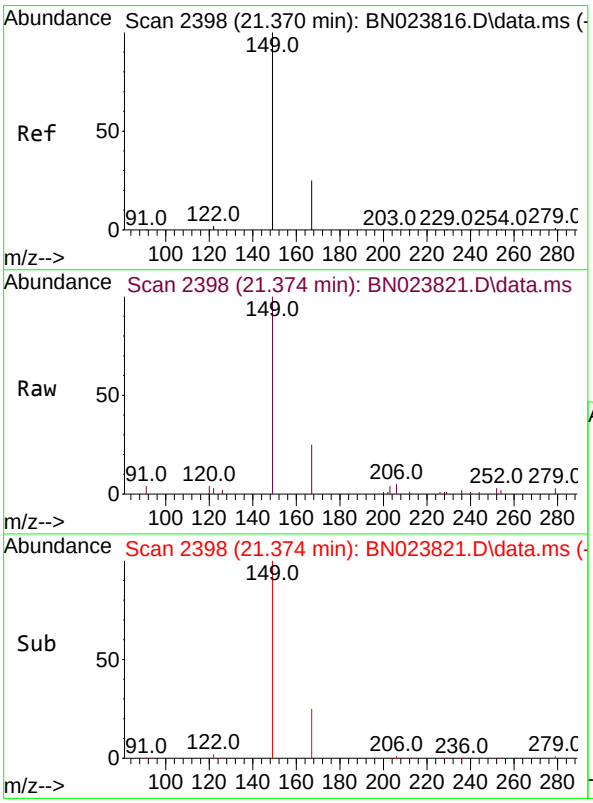
#33
Chrysene
Concen: 0.365 ng
RT: 21.509 min Scan# 24
Delta R.T. 0.005 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:228 Resp: 17629

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	19.5	15.4	23.2

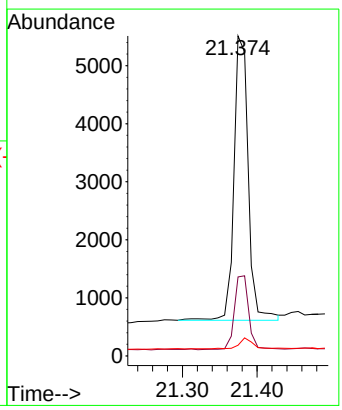


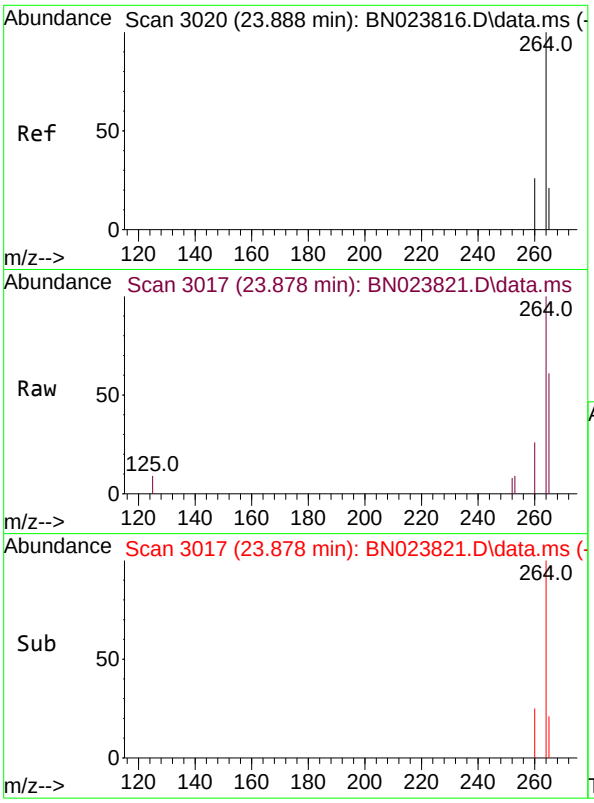


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.329 ng
RT: 21.374 min Scan# 2398
Delta R.T. 0.005 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:149 Resp: 6529

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.4	30.6
279	3.6	2.2	3.4#



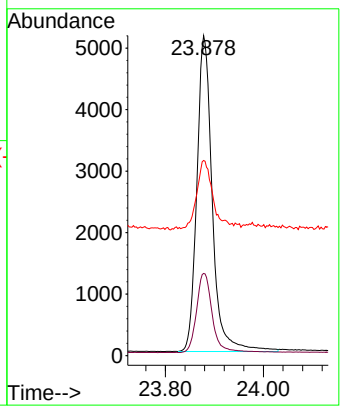


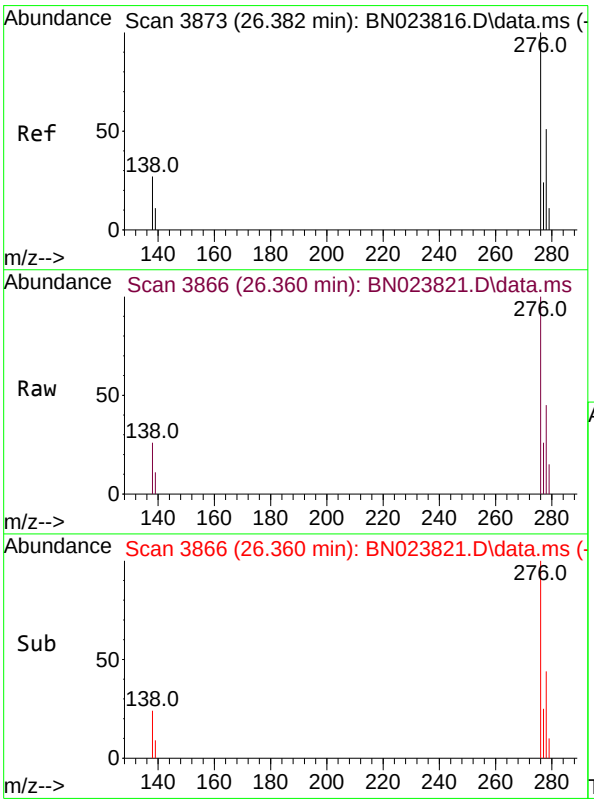
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.878 min Scan# 3
Delta R.T. -0.010 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:264 Resp: 11200

Ion	Ratio	Lower	Upper
264	100		
260	25.7	21.5	32.3
265	61.0	44.5	66.7

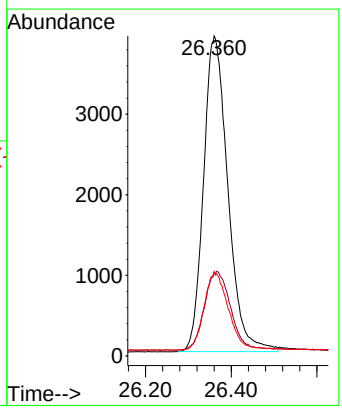


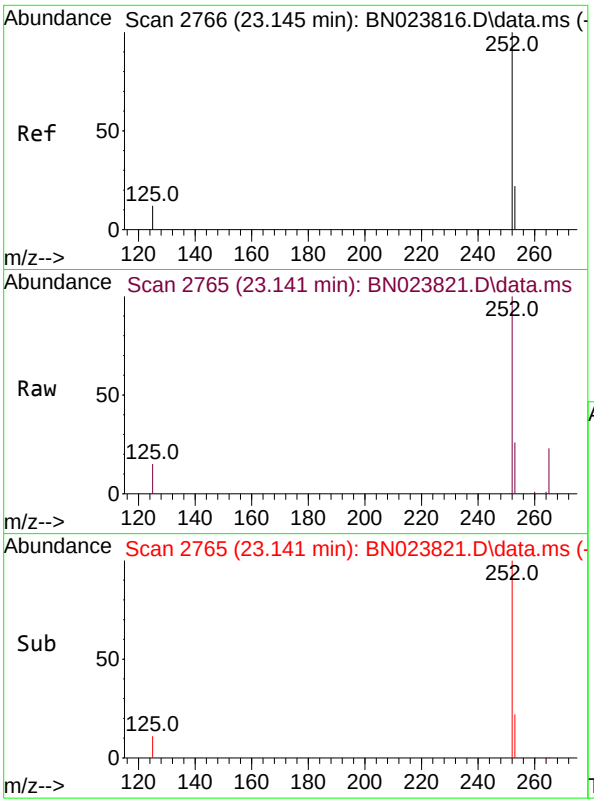


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.332 ng
RT: 26.360 min Scan# 3866
Delta R.T. -0.022 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:276 Resp: 15444

Ion	Ratio	Lower	Upper
276	100		
138	26.2	23.2	34.8
277	24.8	19.8	29.8



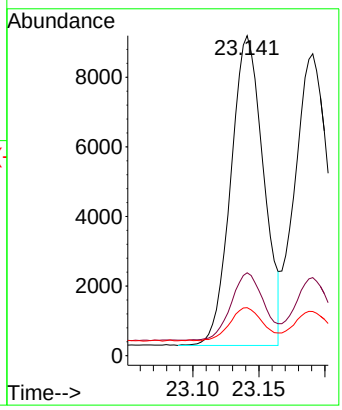


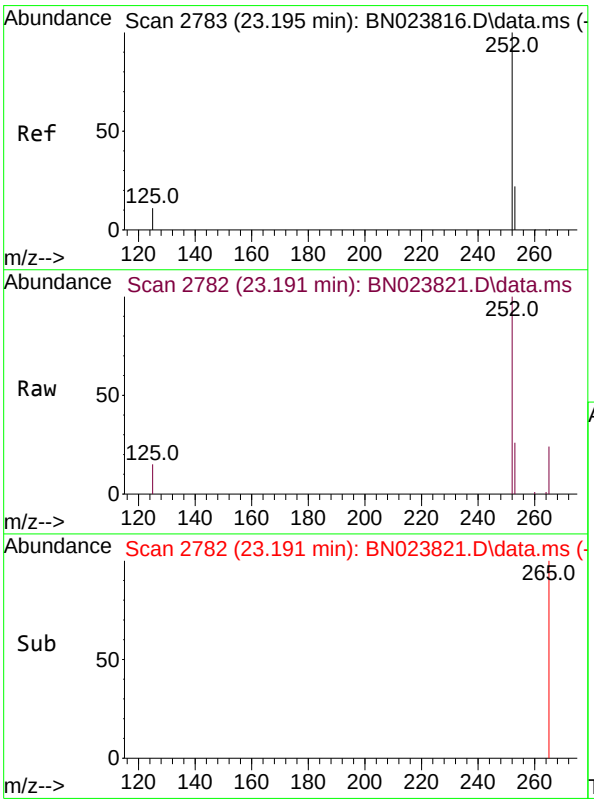
#37
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 23.141 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:252 Resp: 15318

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.2	30.4
125	15.0	12.7	19.1

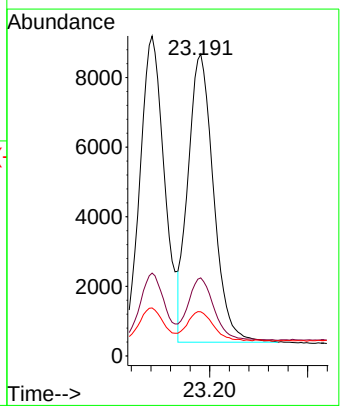


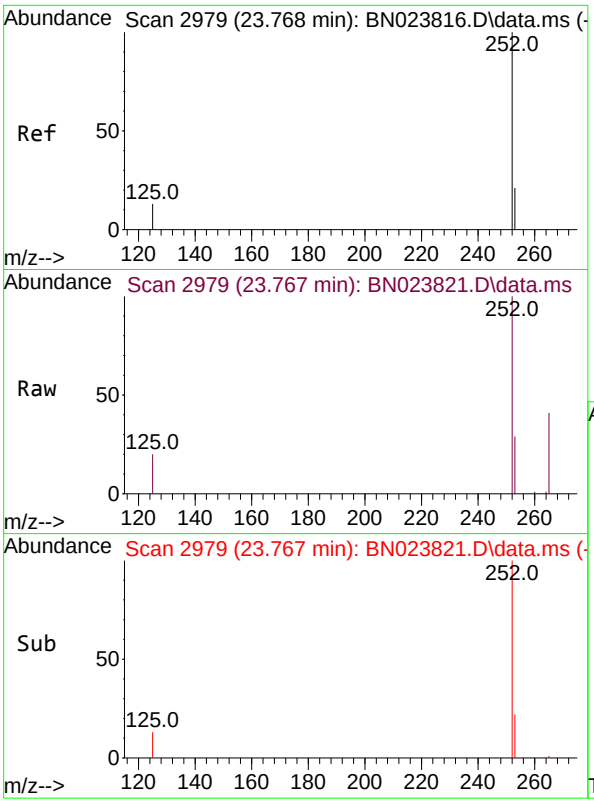


#38
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 23.191 min Scan# 2782
Delta R.T. -0.004 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:252 Resp: 15006

Ion	Ratio	Lower	Upper
252	100		
253	25.8	20.5	30.7
125	14.6	12.6	18.8



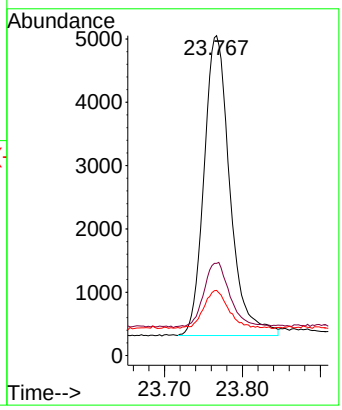


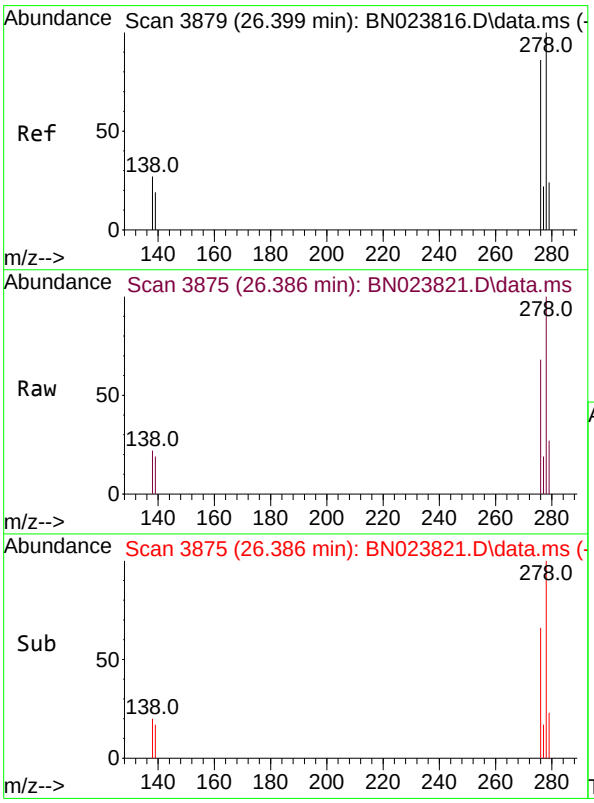
#39
Benzo(a)pyrene
Concen: 0.345 ng
RT: 23.767 min Scan# 29
Delta R.T. -0.001 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:252 Resp: 10922

Ion	Ratio	Lower	Upper
252	100		
253	28.8	22.0	33.0
125	20.4	16.2	24.4

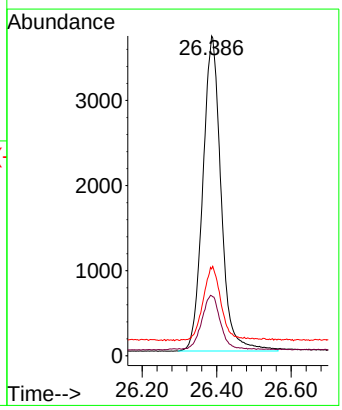


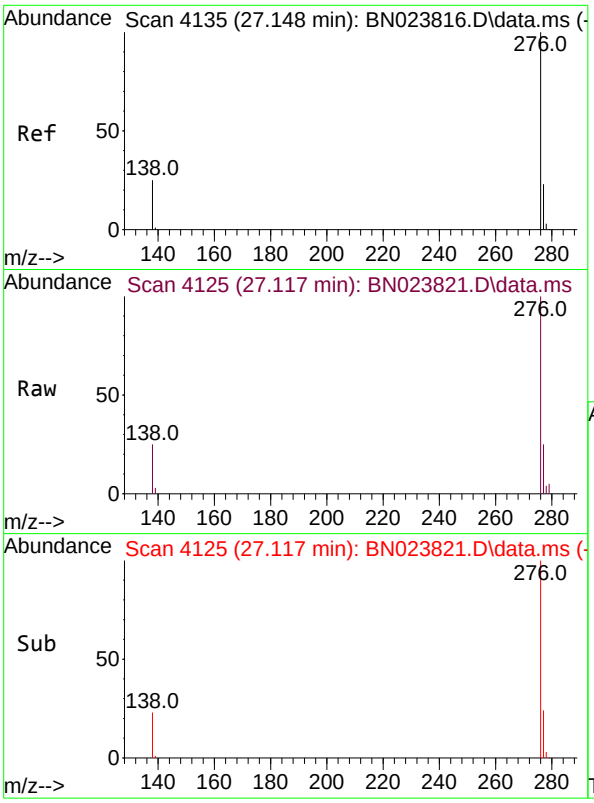


#40
Dibenzo(a,h)anthracene
Concen: 0.334 ng
RT: 26.386 min Scan# 3875
Delta R.T. -0.013 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Tgt Ion:278 Resp: 12571

Ion	Ratio	Lower	Upper
278	100		
139	18.8	16.5	24.7
279	27.2	21.7	32.5





#41
Benzo(g,h,i)perylene
Concen: 0.341 ng
RT: 27.117 min Scan# 41
Delta R.T. -0.030 min
Lab File: BN023821.D
Acq: 26 Jan 2023 17:21

Instrument :
BNA_N
ClientSampleId :
ICVBN012723

Tgt Ion:276 Resp: 13619

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.7	29.5
138	24.7	21.3	31.9