Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012723\
Data File : BN023817.D
Acq On : 26 Jan 2023 13:59
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jan 27 00:50:29 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 00:48:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.883	152	5097	0.400	ng		0.00
7) Naphthalene-d8	10.690	136	12426	0.400	ng		0.00
13) Acenaphthene-d10	14.527	164	5661	0.400	ng		0.00
19) Phenanthrene-d10	17.265	188	13794	0.400	ng		0.00
29) Chrysene-d12	21.464	240	11327	0.400	ng		# 0.00
35) Perylene-d12	23.887	264	8812	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.435	112	7998	0.754	ng		0.00
5) Phenol-d6	7.045	99	9330	0.743	ng		0.00
8) Nitrobenzene-d5	9.046	82	7418	0.785	ng		0.00
11) 2-Methylnaphthalene-d10	12.276	152	12696	0.773	ng		0.00
14) 2,4,6-Tribromophenol	16.012	330	2109	0.851	ng		0.00
15) 2-Fluorobiphenyl	13.148	172	20980	0.930	ng		0.00
27) Fluoranthene-d10	19.304	212	24258	0.753	ng		0.00
31) Terphenyl-d14	19.903	244	17259	0.803	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	4102	0.764	ng		98
3) n-Nitrosodimethylamine	3.629	42	4431	0.778	ng		98
6) bis(2-Chloroethyl)ether	7.305	93	9721	0.765	ng		99
9) Naphthalene	10.733	128	24982	0.803	ng		99
10) Hexachlorobutadiene	11.021	225	5043	0.807	ng	#	99
12) 2-Methylnaphthalene	12.348	142	15702	0.788	ng		99
16) Acenaphthylene	14.238	152	19996	0.890	ng		100
17) Acenaphthene	14.591	154	11179	0.742	ng		99
18) Fluorene	15.575	166	16309	0.797	ng		99
20) 4,6-Dinitro-2-methylph...	15.660	198	1620	0.814	ng	#	52
21) 4-Bromophenyl-phenylether	16.459	248	6115	0.797	ng		97
22) Hexachlorobenzene	16.583	284	7506	0.815	ng		99
23) Atrazine	16.732	200	4029	0.725	ng		99
24) Pentachlorophenol	16.930	266	2497	0.825	ng		100
25) Phenanthrene	17.315	178	30312	0.792	ng		100
26) Anthracene	17.402	178	23837	0.768	ng		100
28) Fluoranthene	19.334	202	32630	0.777	ng		100
30) Pyrene	19.696	202	32066	0.834	ng		100
32) Benzo(a)anthracene	21.446	228	26824	0.778	ng		100
33) Chrysene	21.500	228	31070	0.816	ng		100
34) Bis(2-ethylhexyl)phtha...	21.374	149	11021	0.705	ng		99
36) Indeno(1,2,3-cd)pyrene	26.386	276	28411	0.776	ng		97
37) Benzo(b)fluoranthene	23.147	252	27727	0.835	ng		97
38) Benzo(k)fluoranthene	23.197	252	27301	0.832	ng		96
39) Benzo(a)pyrene	23.770	252	20176	0.810	ng		96
40) Dibenzo(a,h)anthracene	26.401	278	23406	0.790	ng		95
41) Benzo(g,h,i)perylene	27.152	276	24256	0.771	ng		96

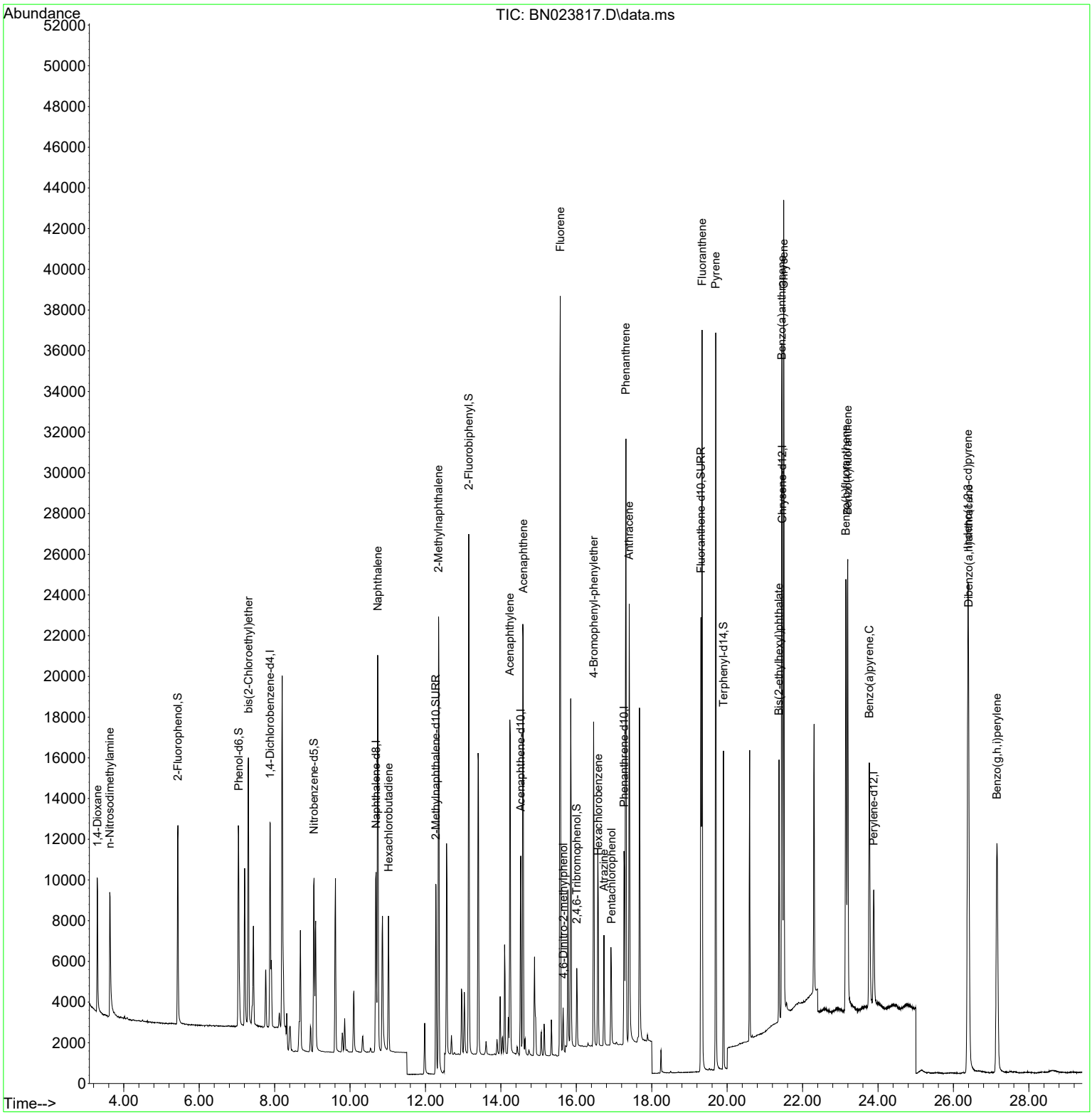
(#) = qualifier out of range (m) = manual integration (+) = signals summed

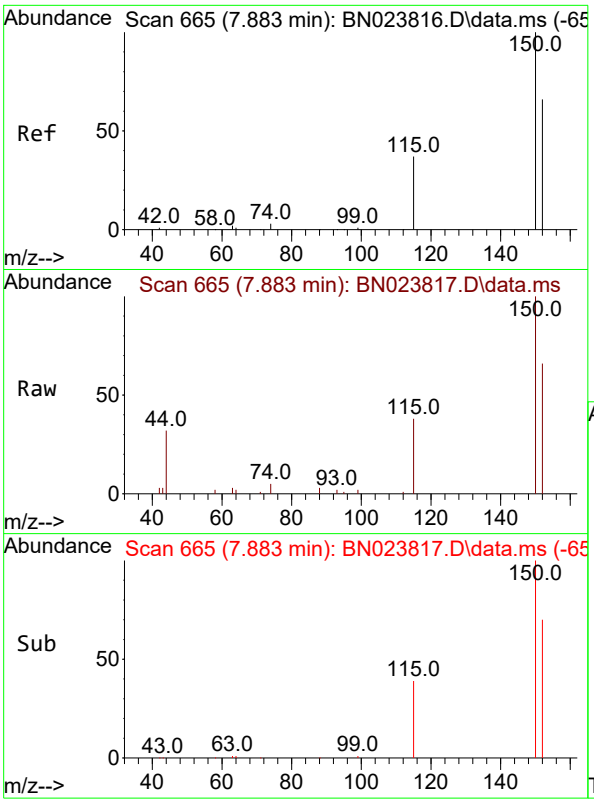
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012723\
Data File : BN023817.D
Acq On : 26 Jan 2023 13:59
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jan 27 00:50:29 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 00:48:39 2023
Response via : Initial Calibration



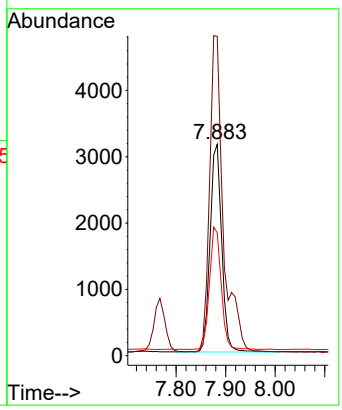


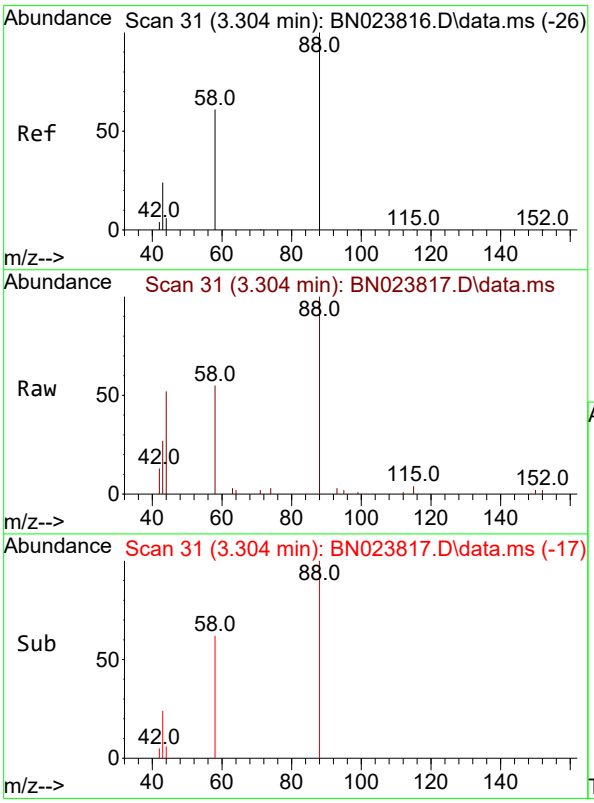
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.883 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 5097

Ion	Ratio	Lower	Upper
152	100		
150	151.1	120.5	180.7
115	58.1	46.4	69.6

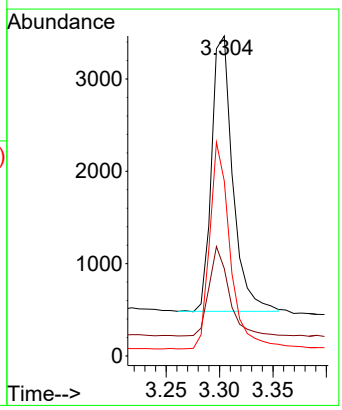


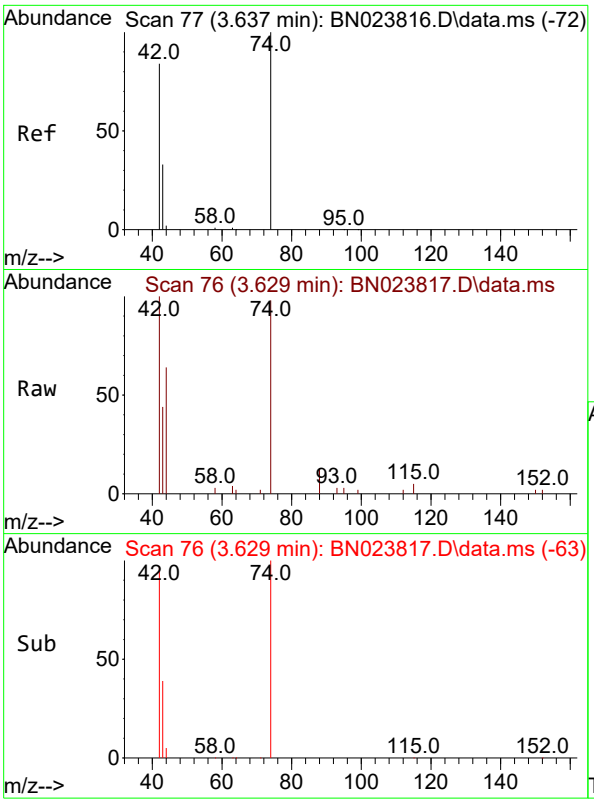


#2
1,4-Dioxane
Concen: 0.764 ng
RT: 3.304 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion: 88 Resp: 4102

Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.5	36.7
58	72.9	56.9	85.3



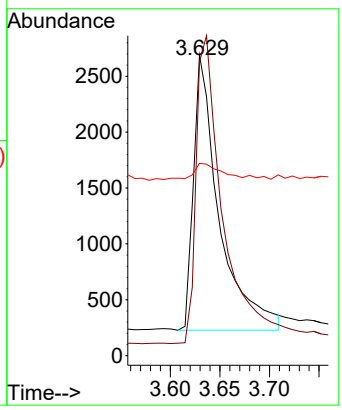


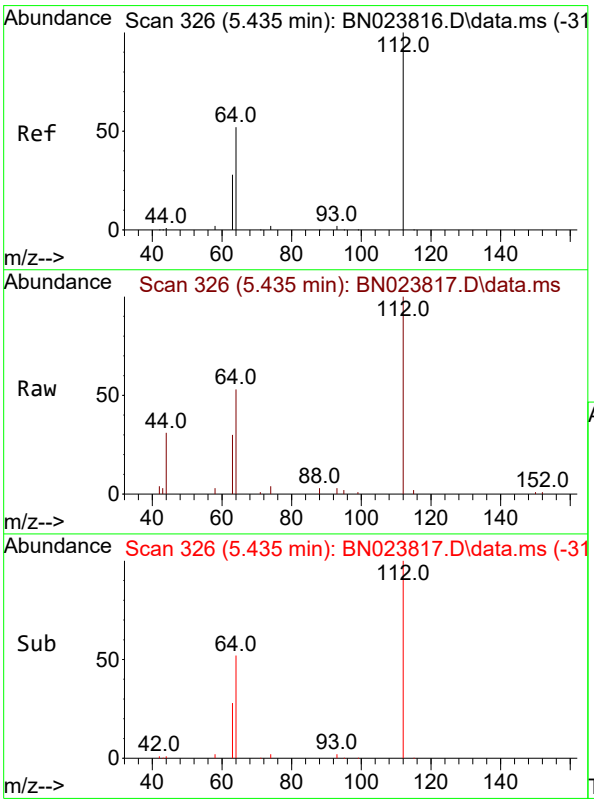
#3
n-Nitrosodimethylamine
Concen: 0.778 ng
RT: 3.629 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 4431

Ion	Ratio	Lower	Upper
42	100		
74	116.9	91.8	137.8
44	7.1	6.9	10.3

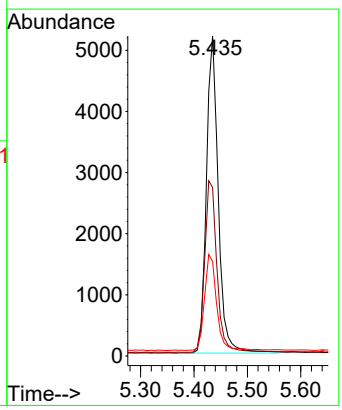


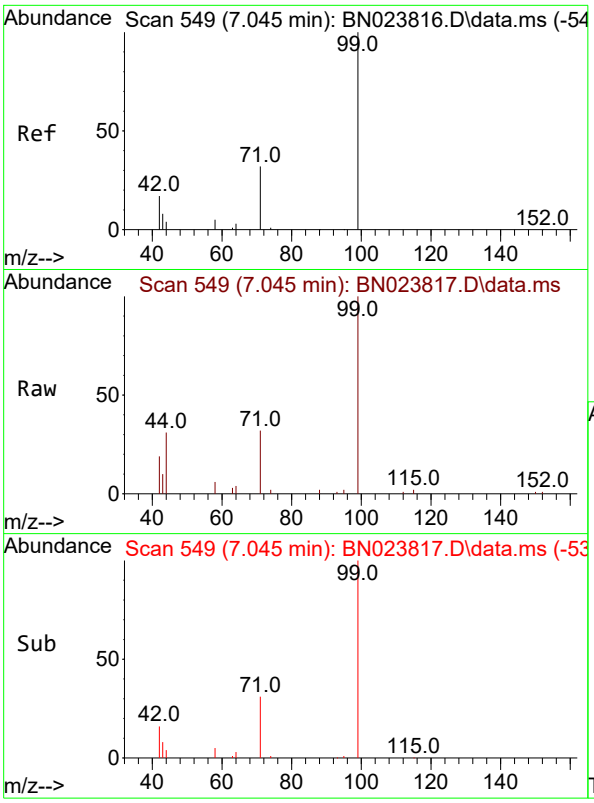


#4
2-Fluorophenol
Concen: 0.754 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:112 Resp: 7998

Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	30.9	24.6	37.0



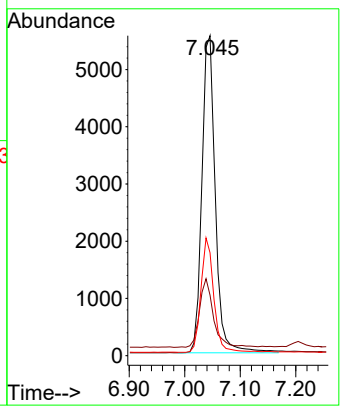


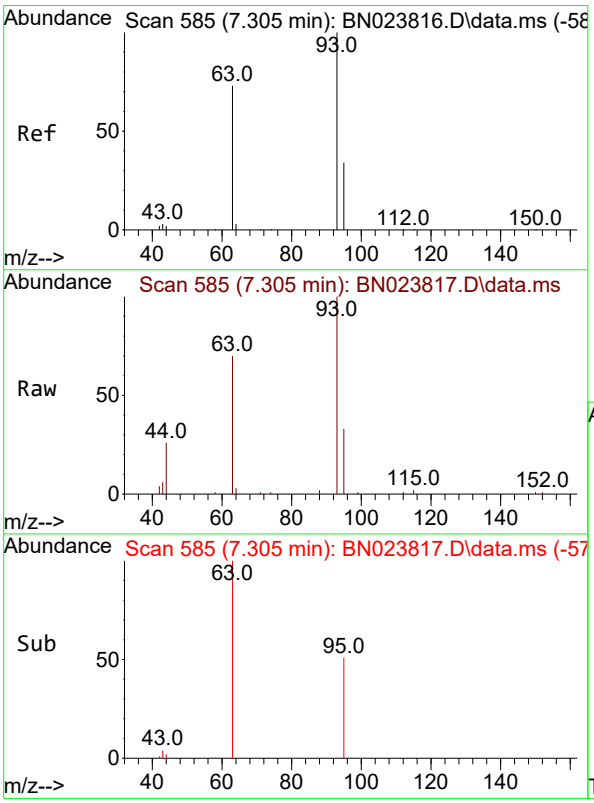
#5
Phenol-d6
Concen: 0.743 ng
RT: 7.045 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 9330

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.9	26.9
71	34.4	27.7	41.5

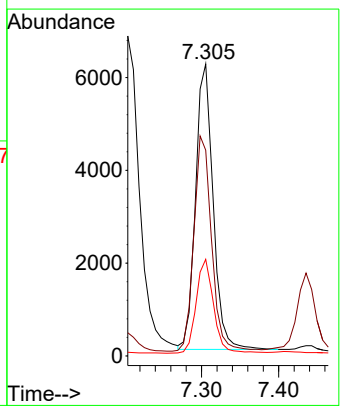


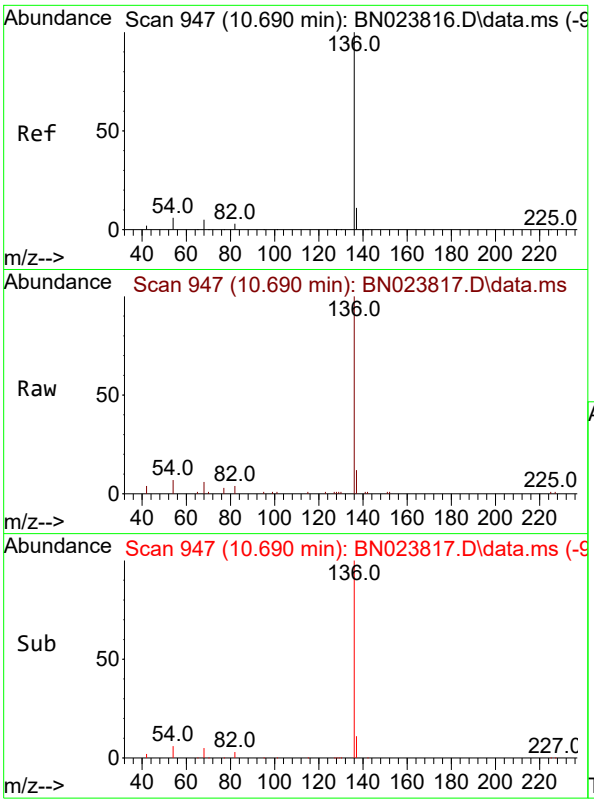


#6
bis(2-Chloroethyl)ether
Concen: 0.765 ng
RT: 7.305 min Scan# 585
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion: 93 Resp: 9721

Ion	Ratio	Lower	Upper
93	100		
63	76.2	60.2	90.4
95	32.6	25.9	38.9



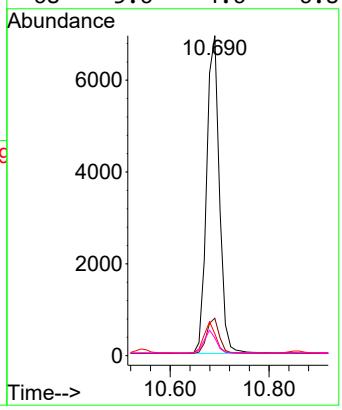


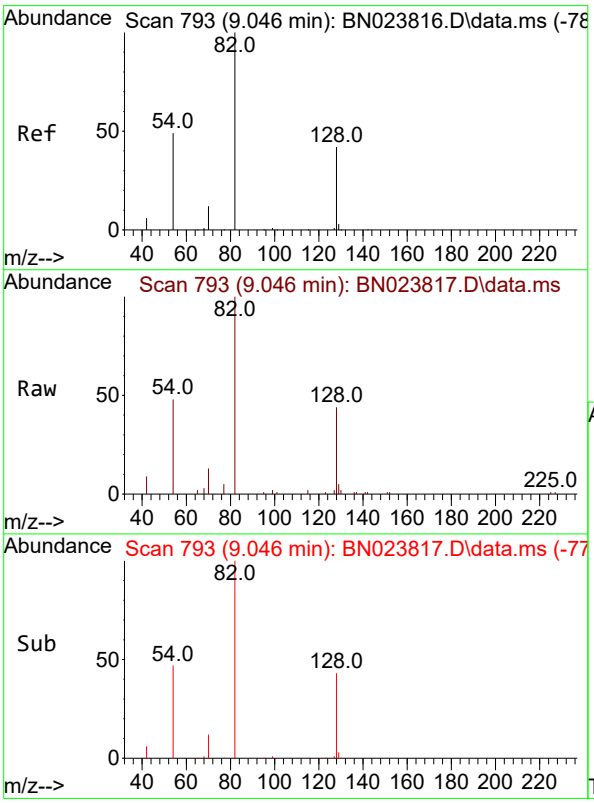
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 12426

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	6.8	5.4	8.2
68	5.6	4.6	6.8

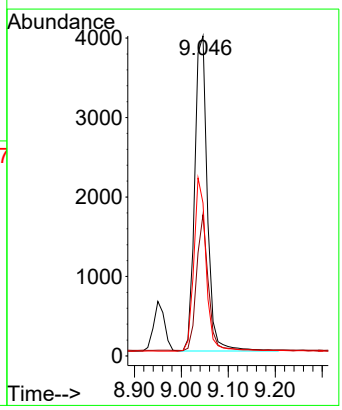


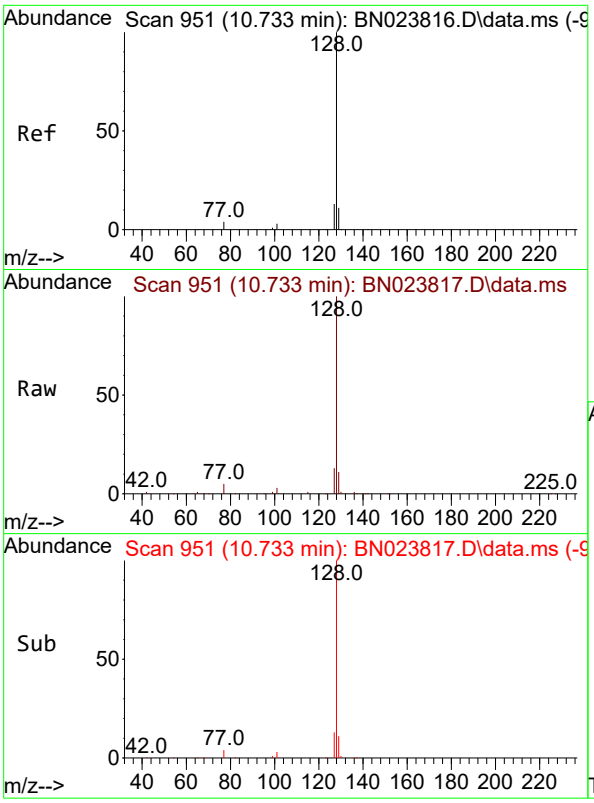


#8
Nitrobenzene-d5
Concen: 0.785 ng
RT: 9.046 min Scan# 793
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion: 82 Resp: 7418

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.6	53.4
54	47.8	40.2	60.4



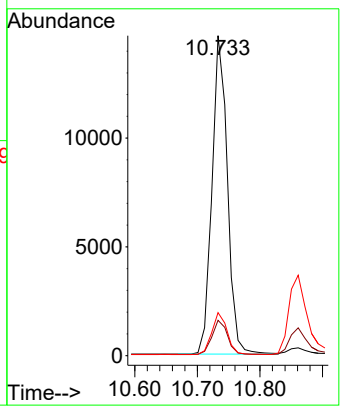


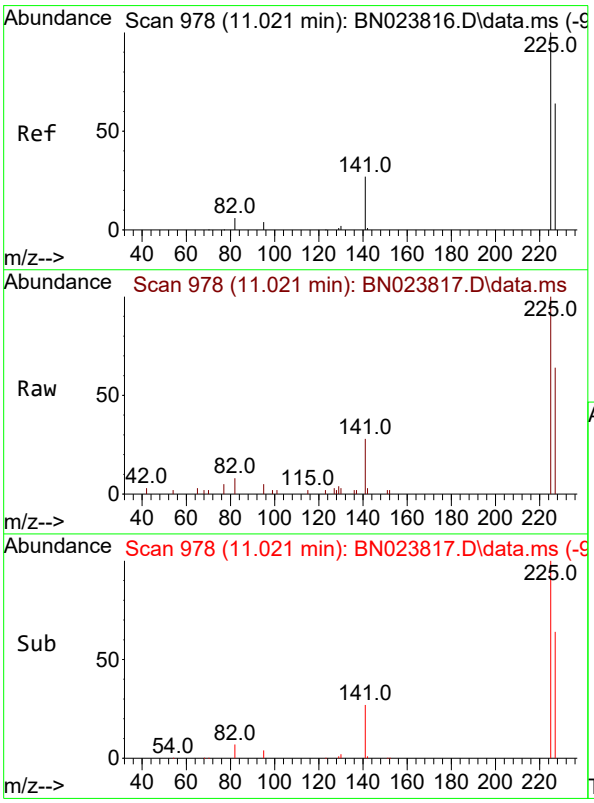
#9
Naphthalene
Concen: 0.803 ng
RT: 10.733 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 24982

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.5	11.0	16.6

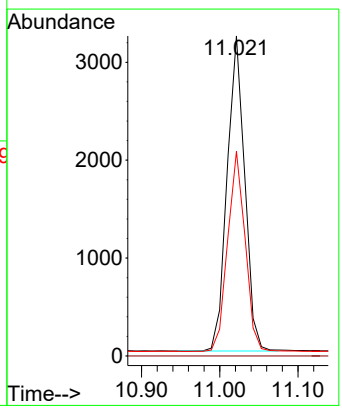


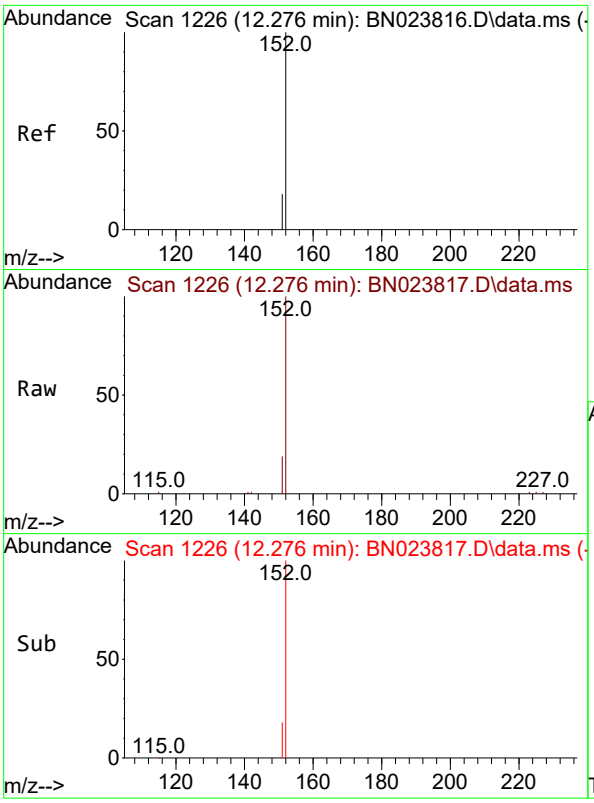


#10
Hexachlorobutadiene
Concen: 0.807 ng
RT: 11.021 min Scan# 978
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:225 Resp: 5043

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.0	50.8	76.2



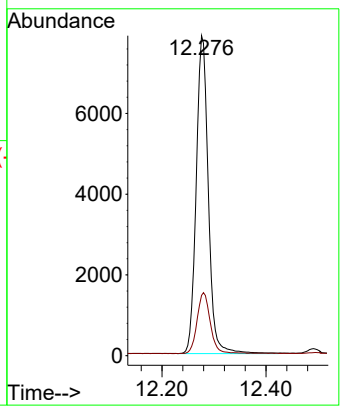


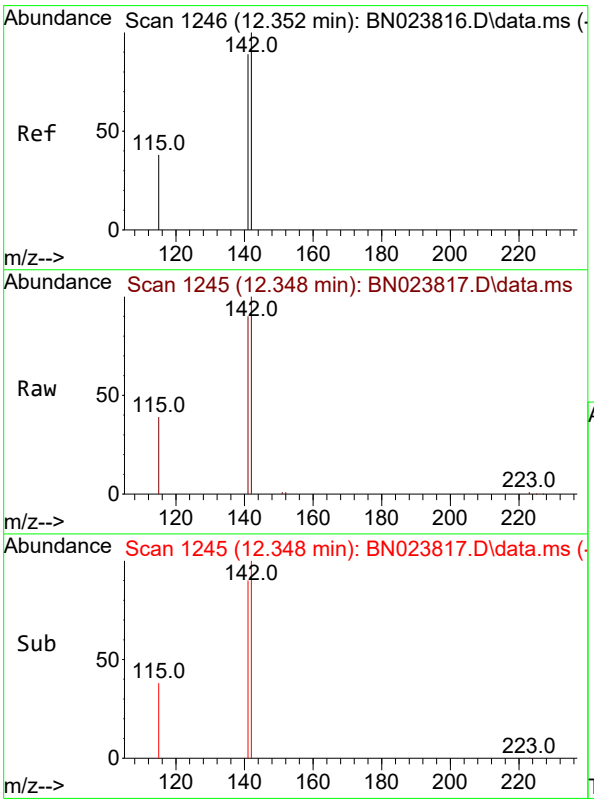
#11
2-Methylnaphthalene-d10
Concen: 0.773 ng
RT: 12.276 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 12696

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2

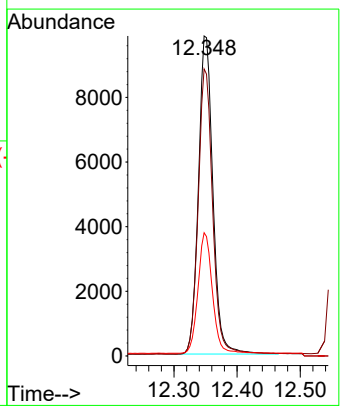


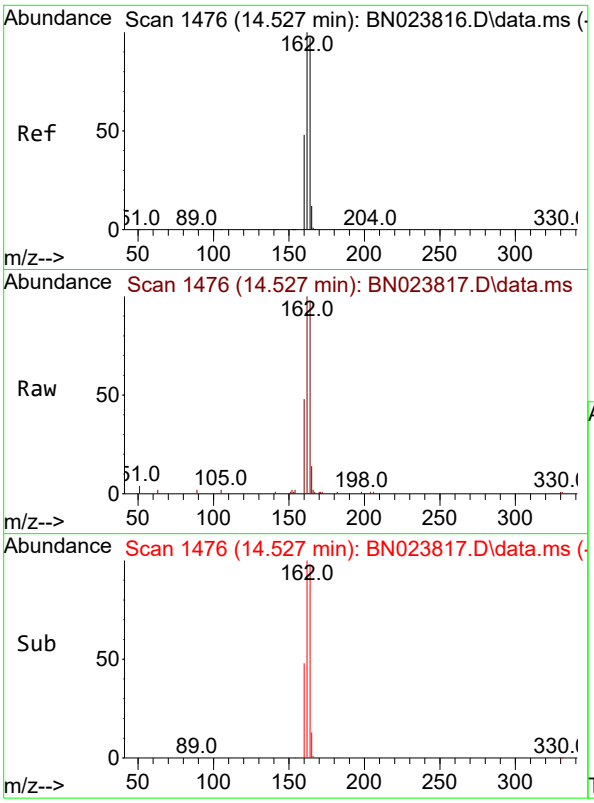


#12
2-Methylnaphthalene
Concen: 0.788 ng
RT: 12.348 min Scan# 1245
Delta R.T. -0.004 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:142 Resp: 15702

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.0	106.6
115	38.5	31.0	46.4



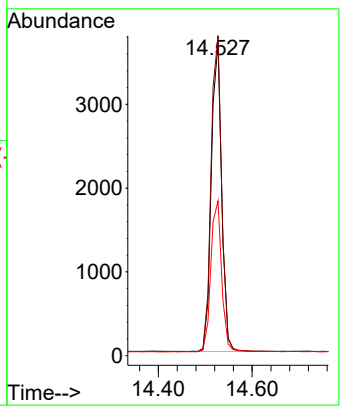


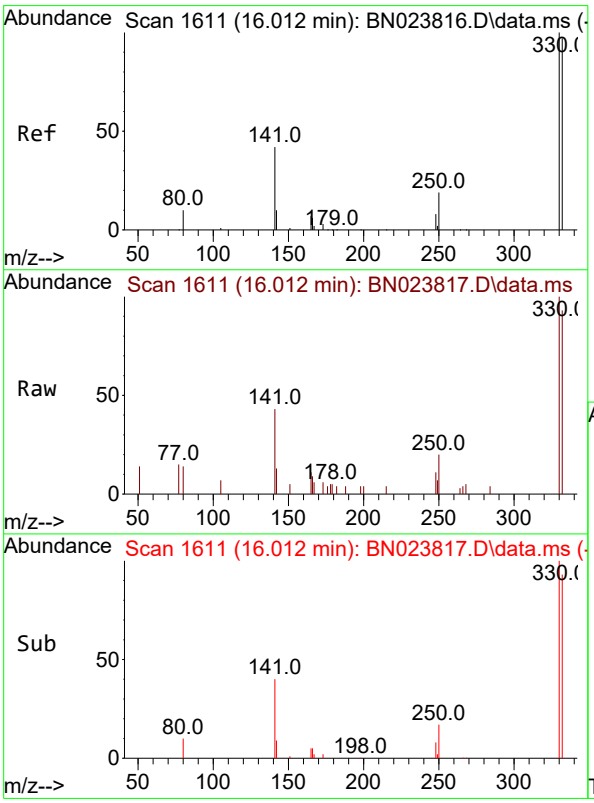
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.527 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 5661

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.5	123.7
160	49.4	39.9	59.9

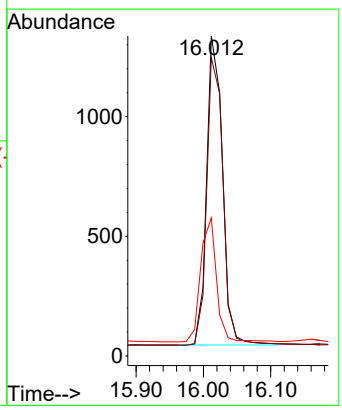


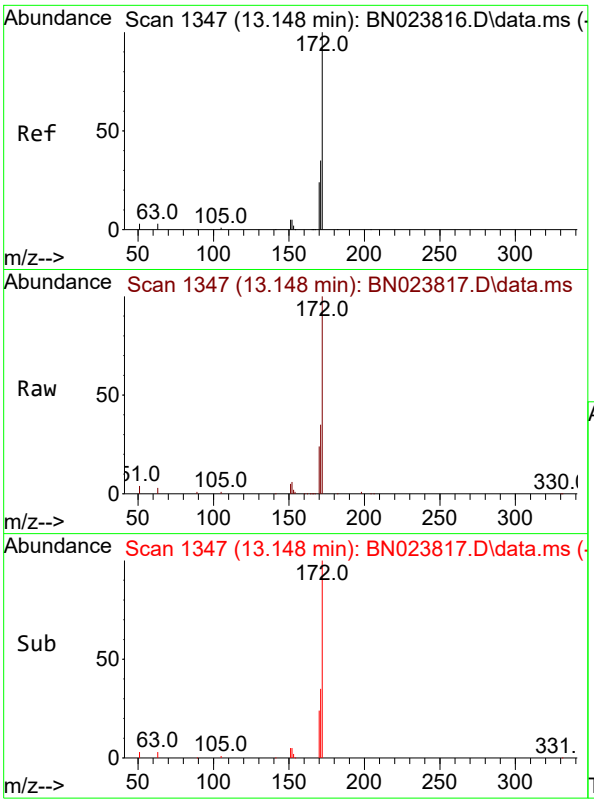


#14
2,4,6-Tribromophenol
Concen: 0.851 ng
RT: 16.012 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:330 Resp: 2109

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.8	118.2
141	40.2	33.2	49.8



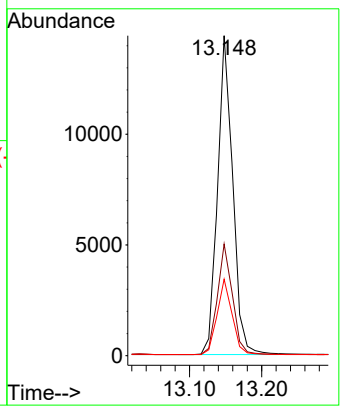


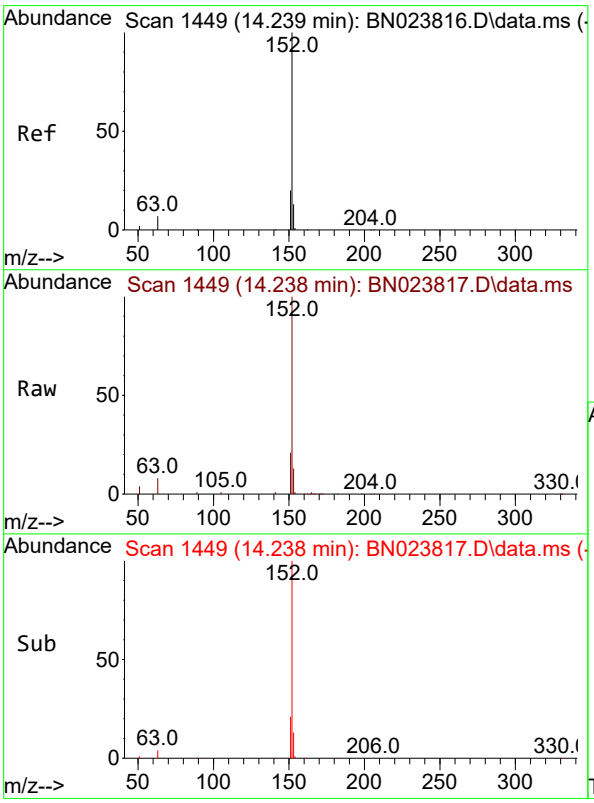
#15
2-Fluorobiphenyl
Concen: 0.930 ng
RT: 13.148 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 20980

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.4	42.6
170	23.9	19.4	29.2

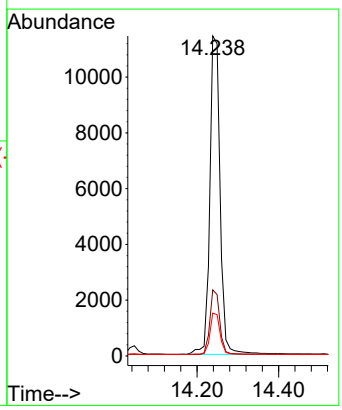


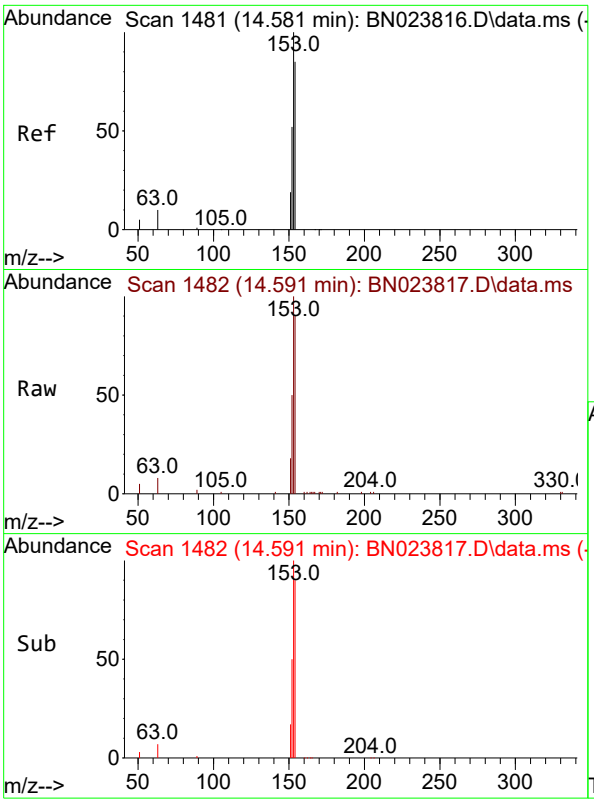


#16
Acenaphthylene
Concen: 0.890 ng
RT: 14.238 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:152 Resp: 19996

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	12.9	10.2	15.4



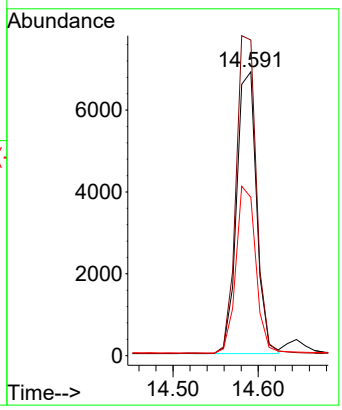


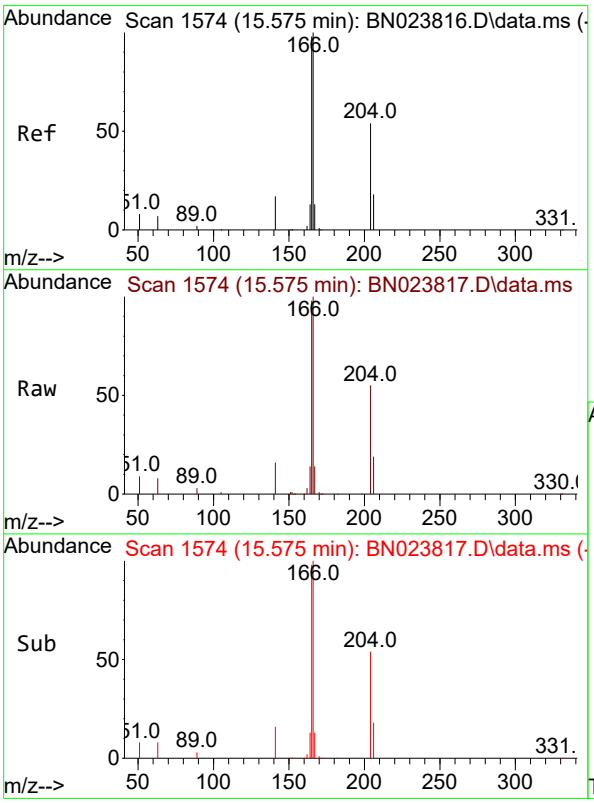
#17
Acenaphthene
Concen: 0.742 ng
RT: 14.591 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 11179

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.6	139.0
152	59.4	48.3	72.5

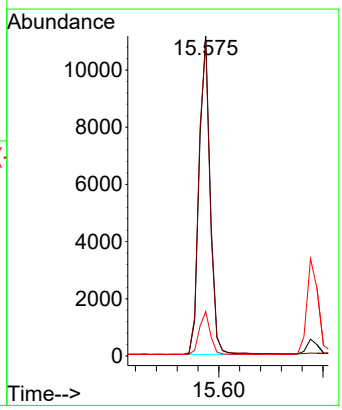


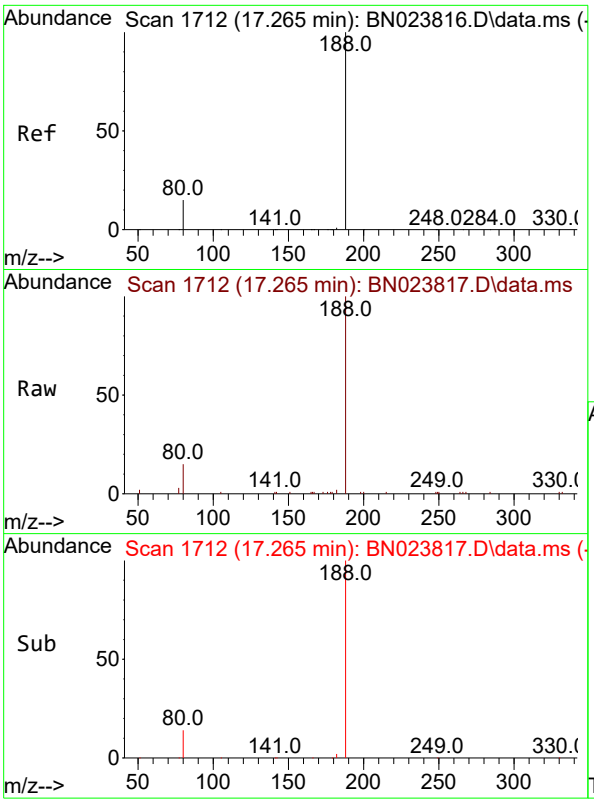


#18
Fluorene
Concen: 0.797 ng
RT: 15.575 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:166 Resp: 16309

Ion	Ratio	Lower	Upper
166	100		
165	99.4	80.4	120.6
167	13.4	10.7	16.1



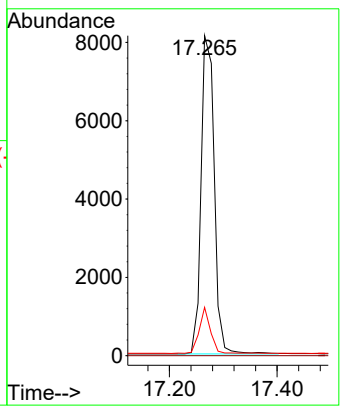


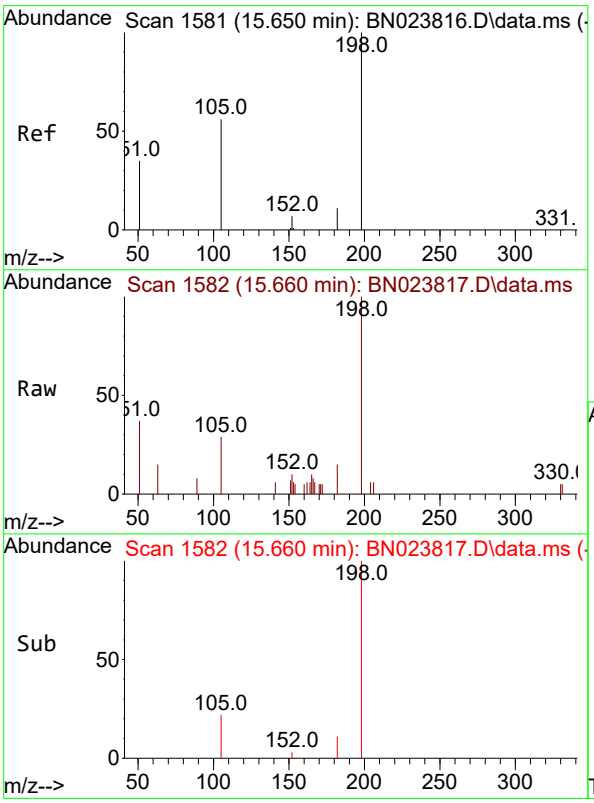
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.265 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 13794

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.1	12.6	18.8

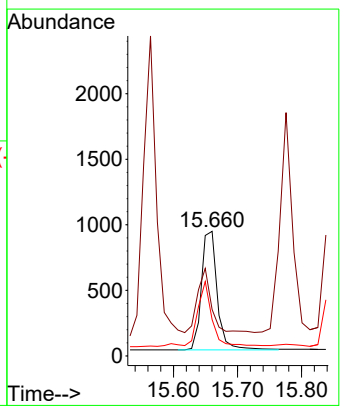


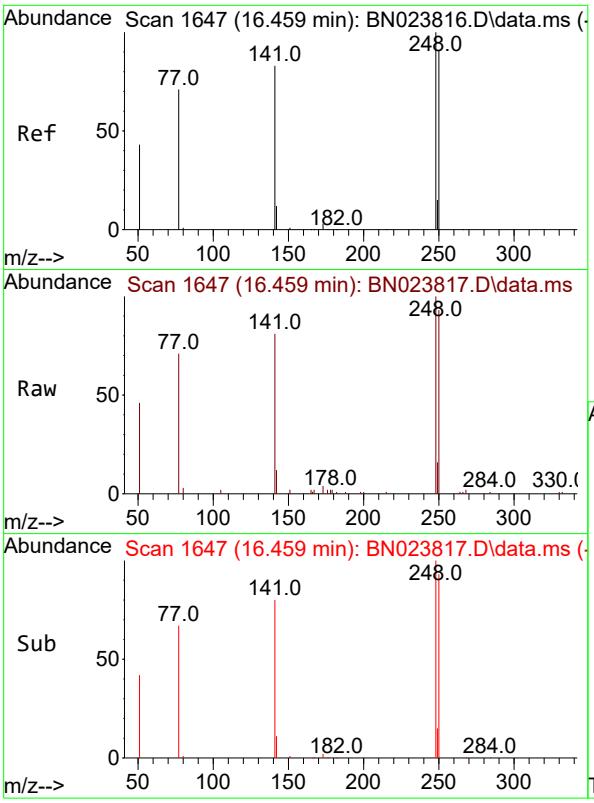


#20
4,6-Dinitro-2-methylphenol
Concen: 0.814 ng
RT: 15.660 min Scan# 1582
Delta R.T. 0.010 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:198 Resp: 1620

Ion	Ratio	Lower	Upper
198	100		
51	37.3	65.1	97.7#
105	29.2	53.1	79.7#



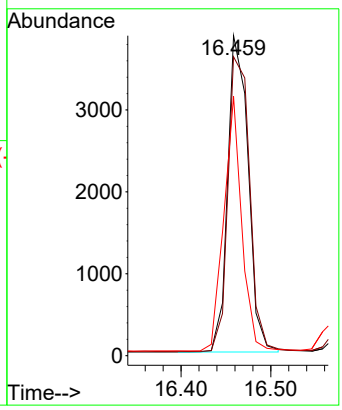


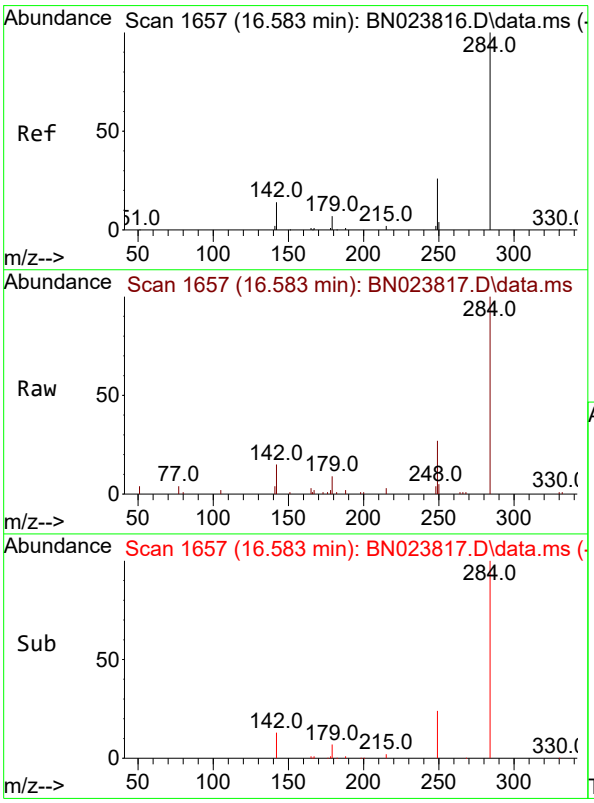
#21
4-Bromophenyl-phenylether
Concen: 0.797 ng
RT: 16.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 6115

Ion	Ratio	Lower	Upper
248	100		
250	93.4	72.9	109.3
141	81.0	67.4	101.2

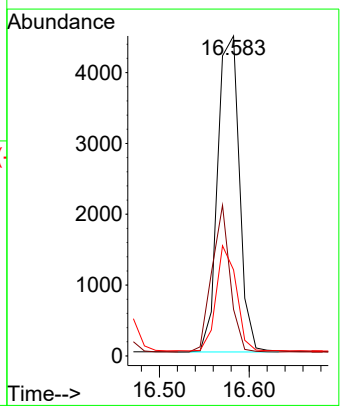


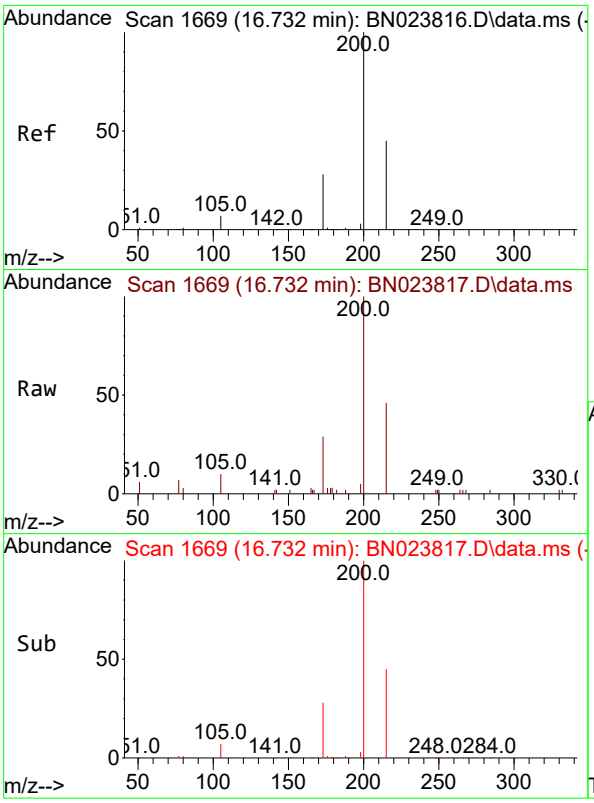


#22
Hexachlorobenzene
Concen: 0.815 ng
RT: 16.583 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:284 Resp: 7506

Ion	Ratio	Lower	Upper
284	100		
142	38.6	31.4	47.2
249	30.6	24.3	36.5



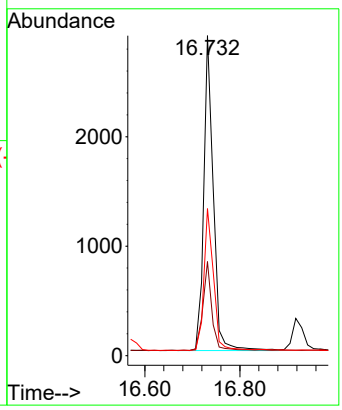


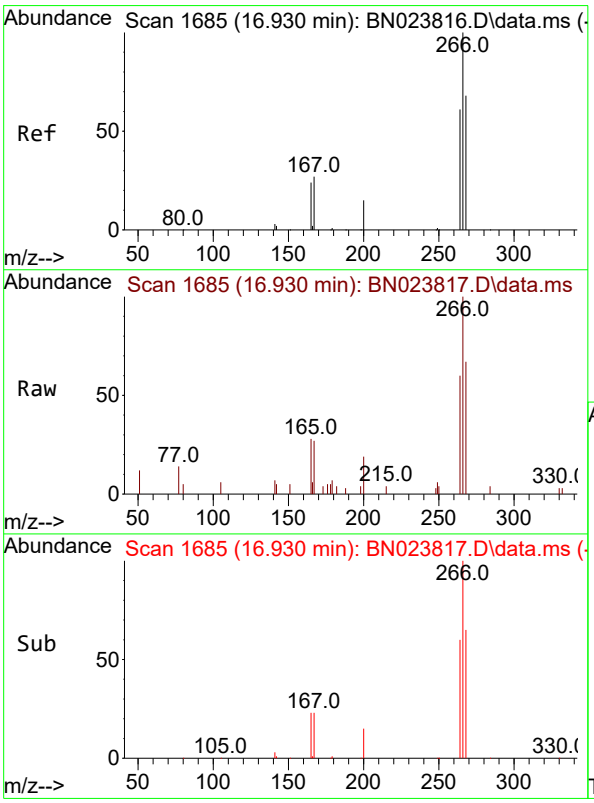
#23
Atrazine
Concen: 0.725 ng
RT: 16.732 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 4029

Ion	Ratio	Lower	Upper
200	100		
173	29.4	24.1	36.1
215	45.9	36.8	55.2

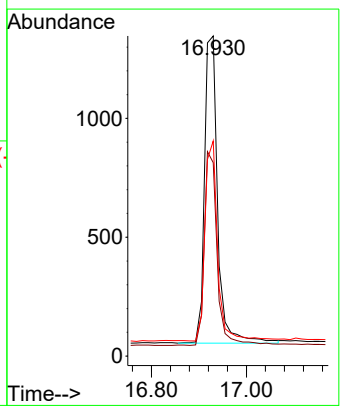


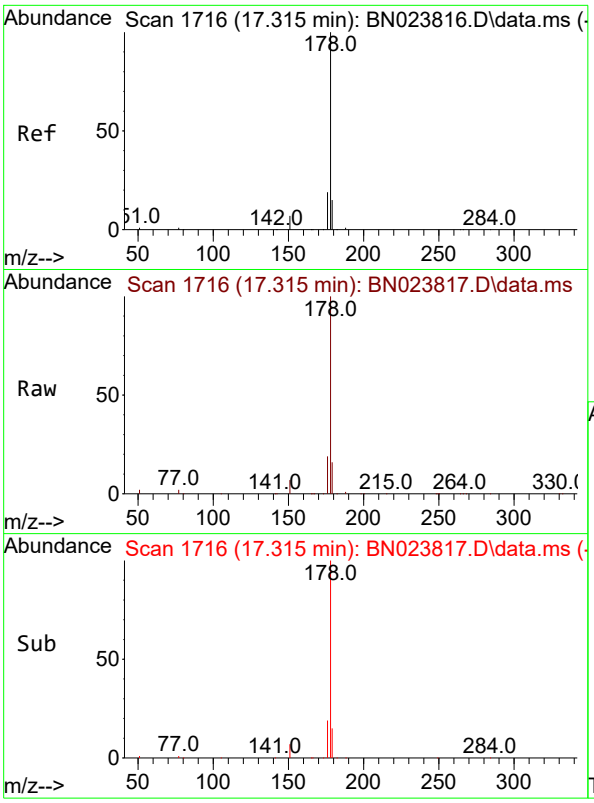


#24
Pentachlorophenol
Concen: 0.825 ng
RT: 16.930 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:266 Resp: 2497

Ion	Ratio	Lower	Upper
266	100		
264	61.1	49.0	73.4
268	63.0	50.1	75.1



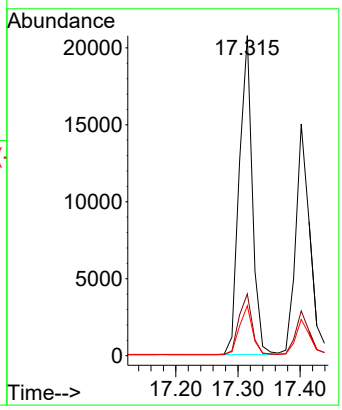


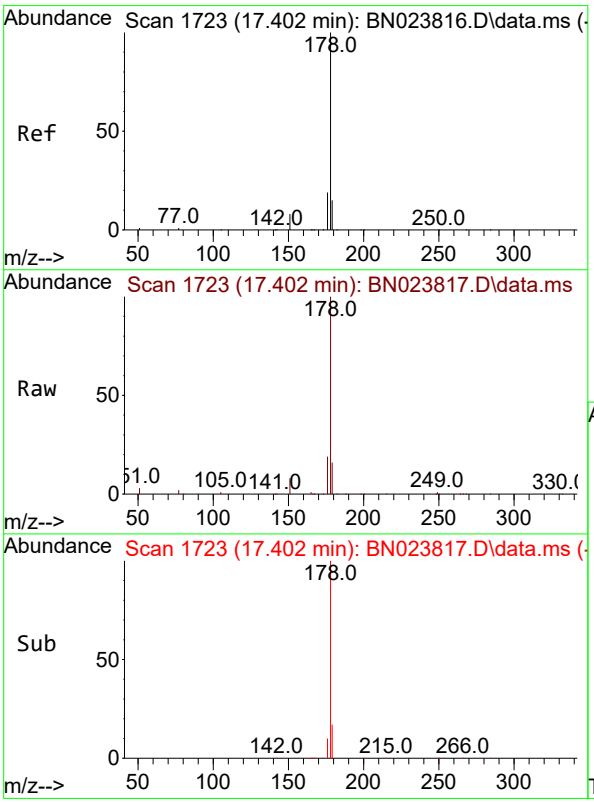
#25
Phenanthrene
Concen: 0.792 ng
RT: 17.315 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 30312

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.2	12.2	18.4

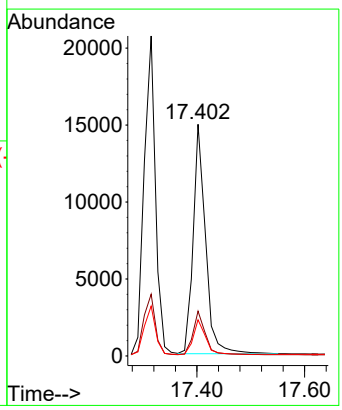


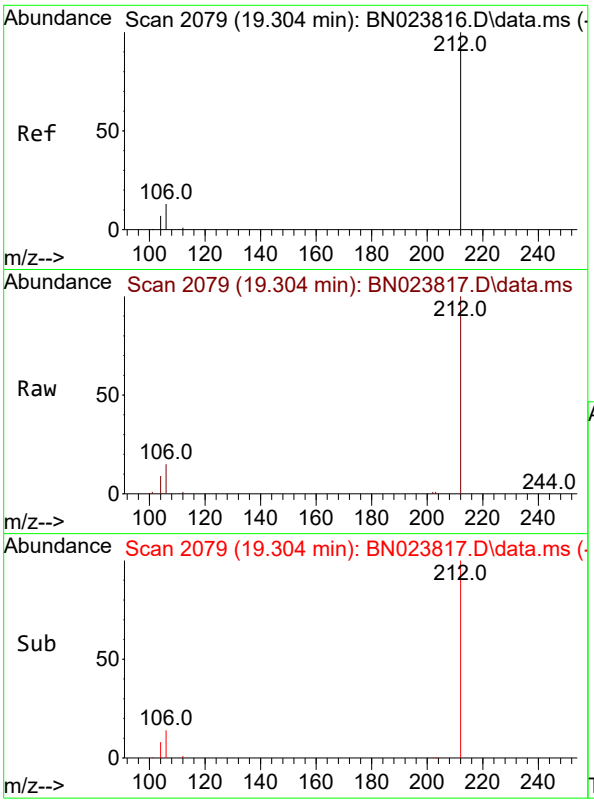


#26
Anthracene
Concen: 0.768 ng
RT: 17.402 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:178 Resp: 23837

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.3	12.1	18.1



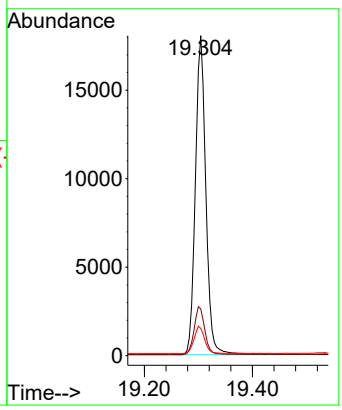


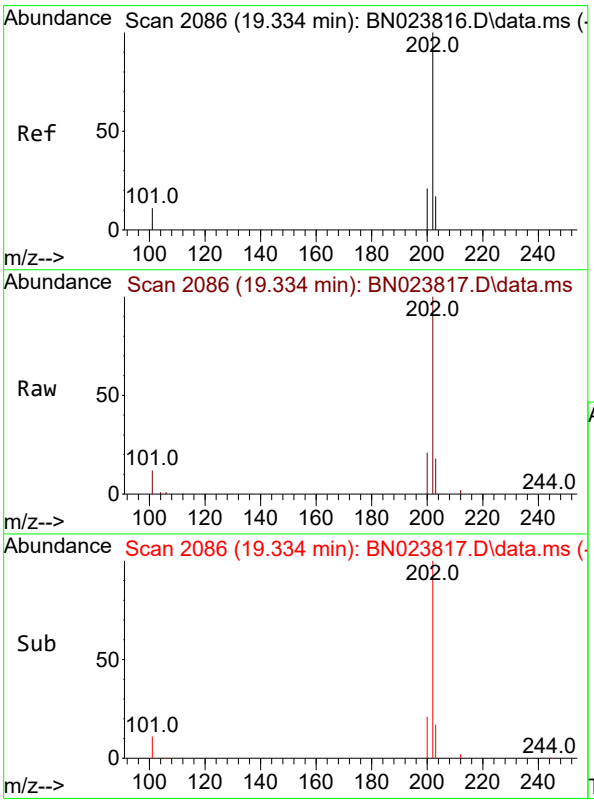
#27
Fluoranthene-d10
Concen: 0.753 ng
RT: 19.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 24258

Ion	Ratio	Lower	Upper
212	100		
106	15.2	10.8	16.2
104	8.9	6.2	9.4

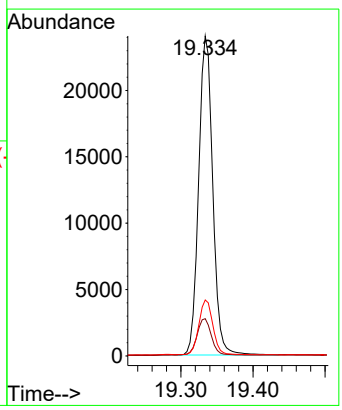


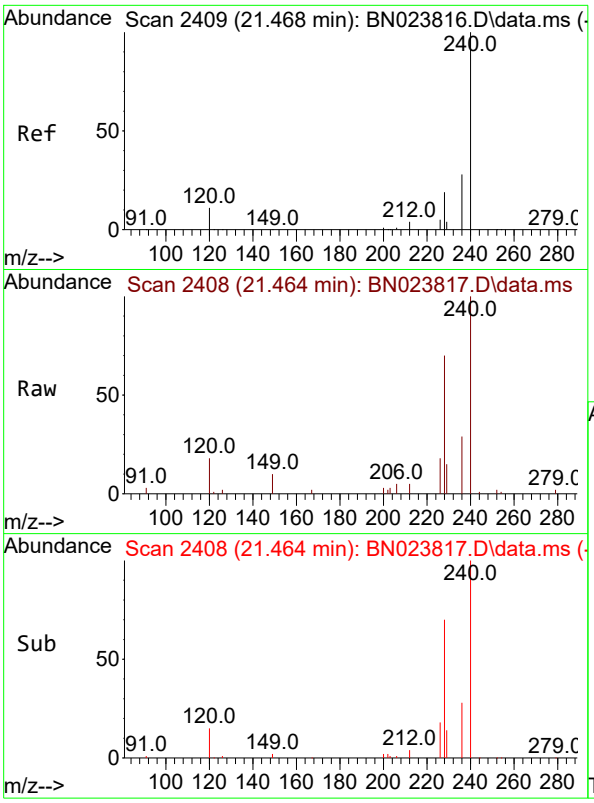


#28
Fluoranthene
Concen: 0.777 ng
RT: 19.334 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:202 Resp: 32630

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.1	13.7
203	17.1	13.7	20.5



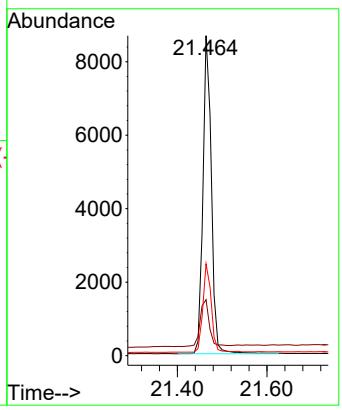


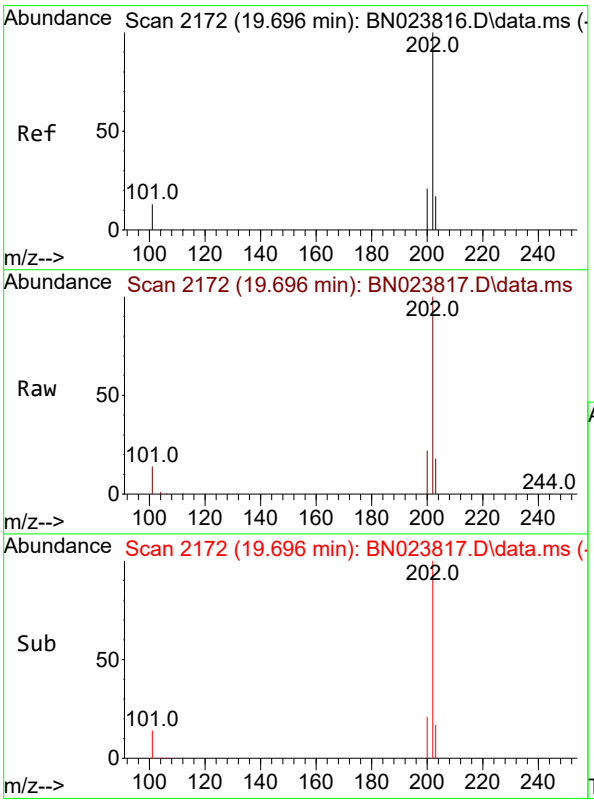
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.464 min Scan# 24
Delta R.T. -0.004 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 11327

Ion	Ratio	Lower	Upper
240	100		
120	17.5	10.6	15.8#
236	28.7	22.5	33.7

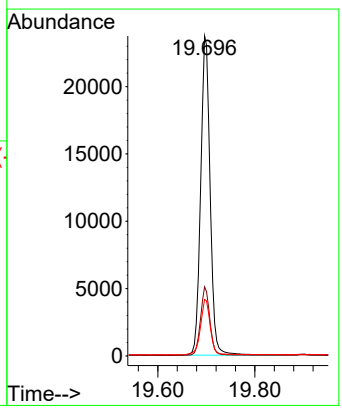


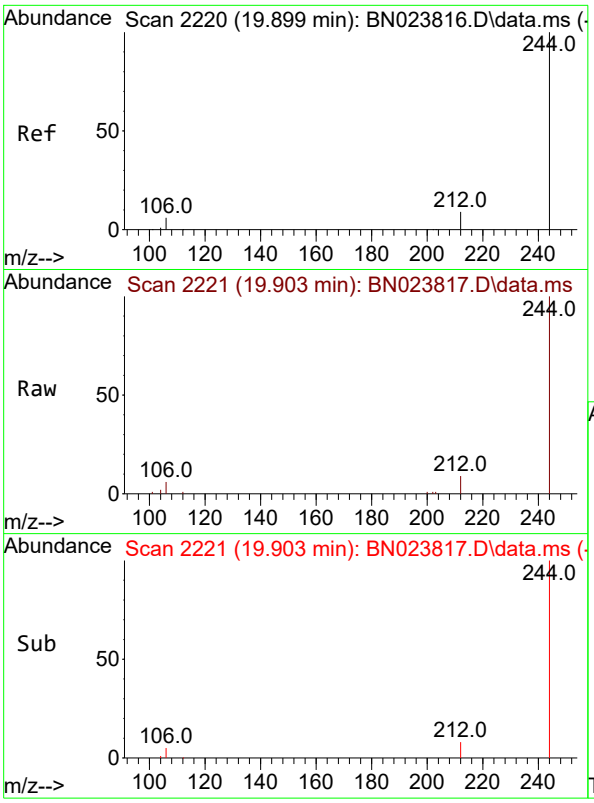


#30
Pyrene
Concen: 0.834 ng
RT: 19.696 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:202 Resp: 32066

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.9	14.1	21.1



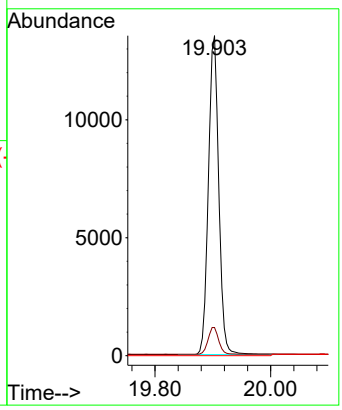


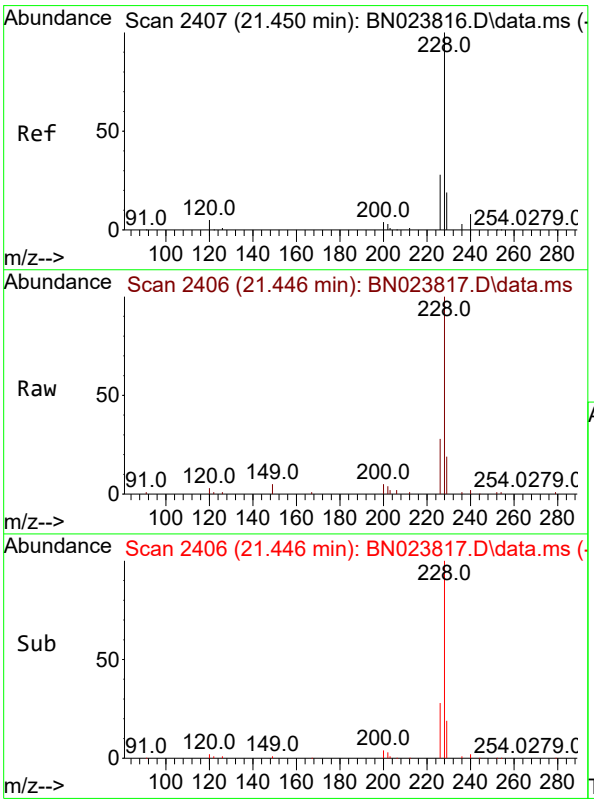
#31
Terphenyl-d14
Concen: 0.803 ng
RT: 19.903 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 17259

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.4	11.0
122	0.0	0.0	0.0

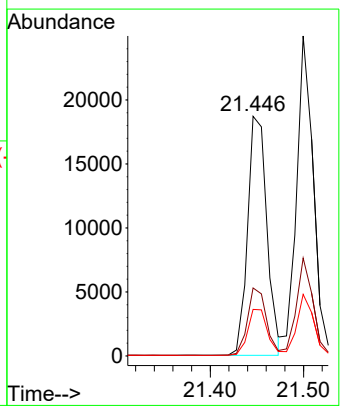


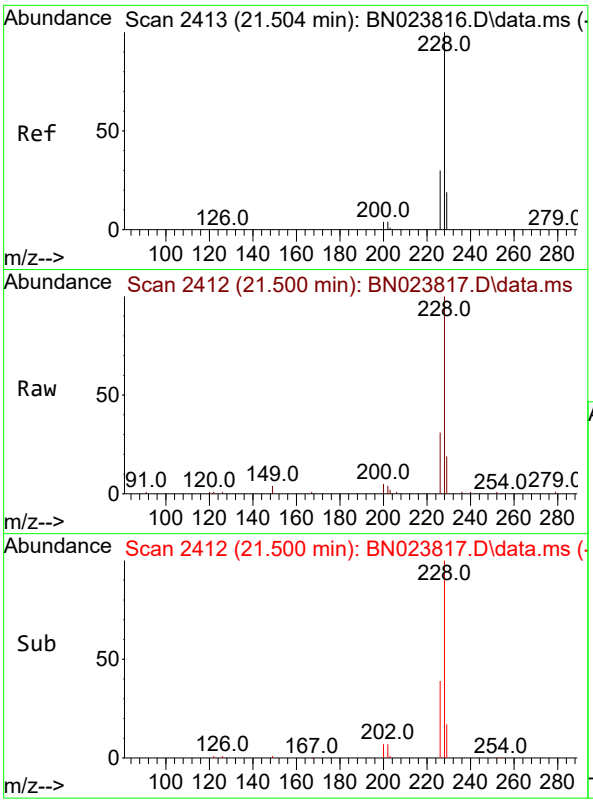


#32
Benzo(a)anthracene
Concen: 0.778 ng
RT: 21.446 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:228 Resp: 26824

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	19.4	15.8	23.6



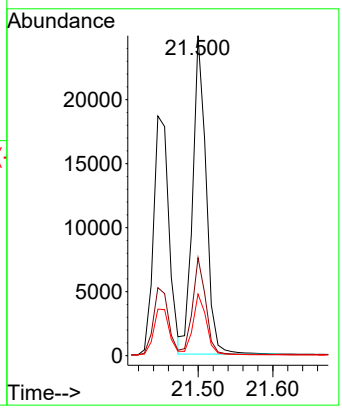


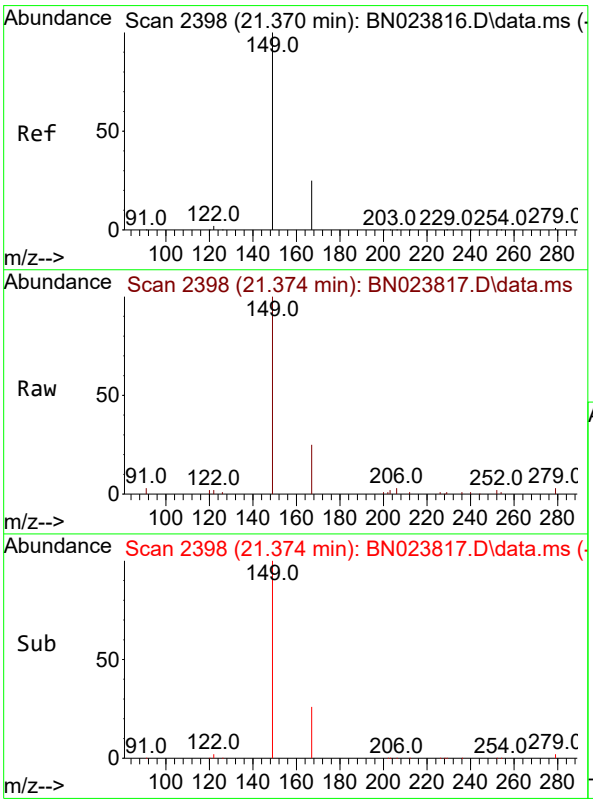
#33
Chrysene
Concen: 0.816 ng
RT: 21.500 min Scan# 24
Delta R.T. -0.004 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 31070

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	19.2	15.4	23.2

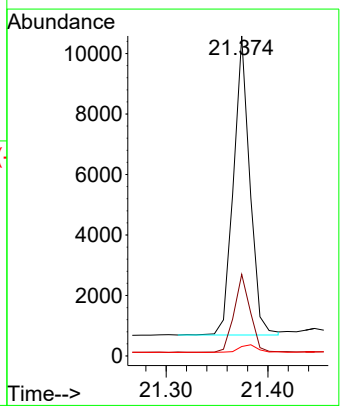


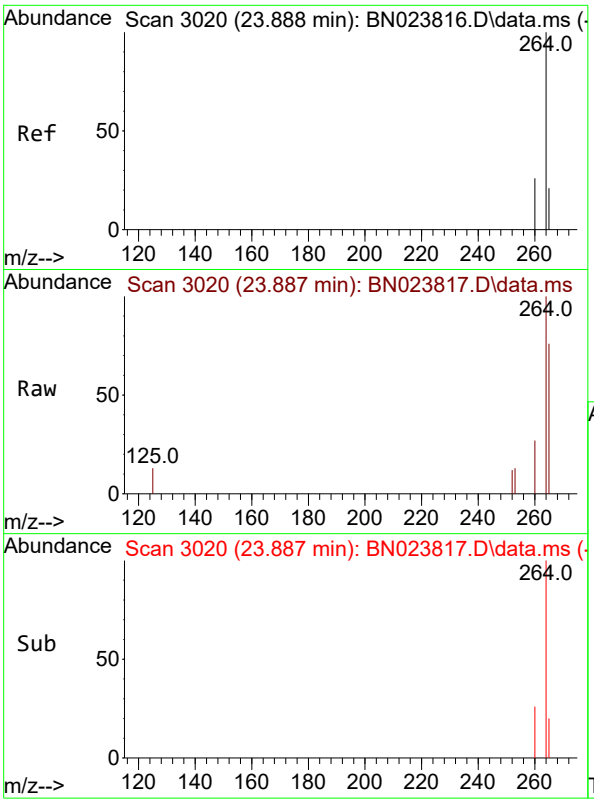


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.705 ng
RT: 21.374 min Scan# 2398
Delta R.T. 0.005 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:149 Resp: 11021

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.4	30.6
279	2.9	2.2	3.4



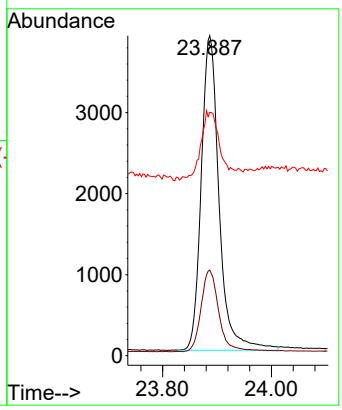


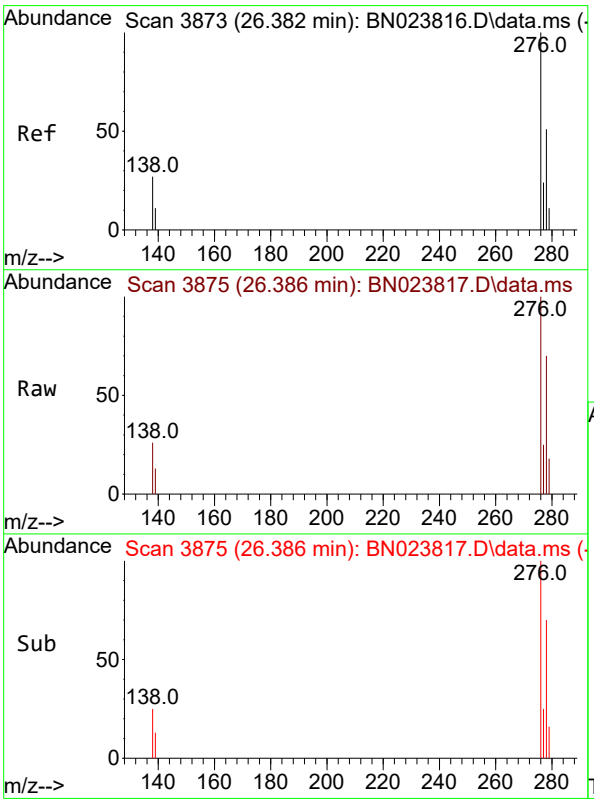
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.887 min Scan# 3
Delta R.T. -0.001 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 8812

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.5	32.3
265	76.0	44.5	66.7#

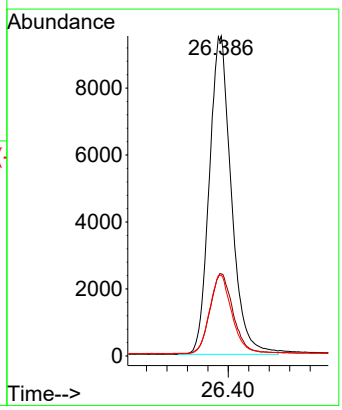


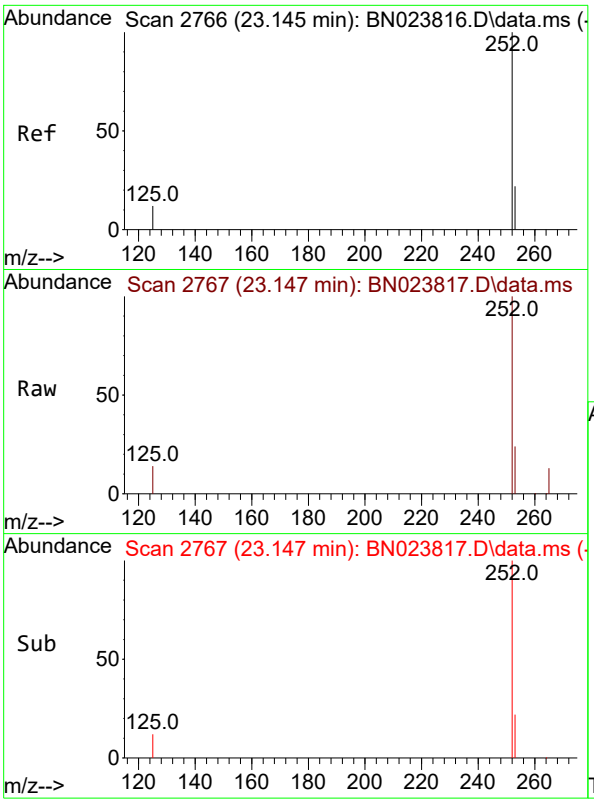


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.776 ng
RT: 26.386 min Scan# 3875
Delta R.T. 0.005 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:276 Resp: 28411

Ion	Ratio	Lower	Upper
276	100		
138	26.4	23.2	34.8
277	24.8	19.8	29.8



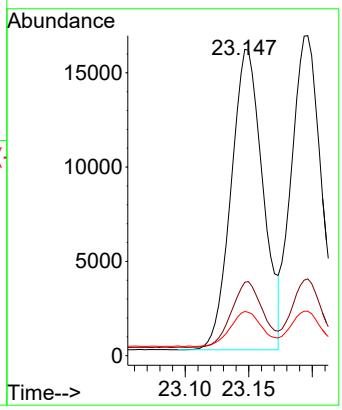


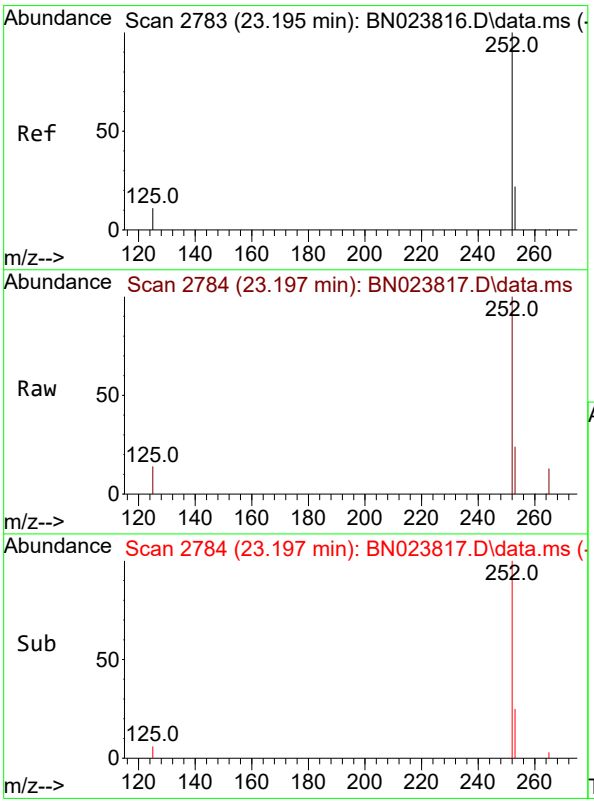
#37
Benzo(b)fluoranthene
Concen: 0.835 ng
RT: 23.147 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 27727

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.2	30.4
125	14.4	12.7	19.1

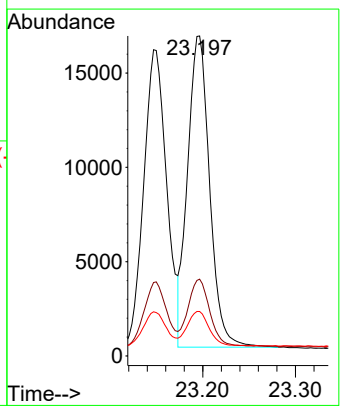


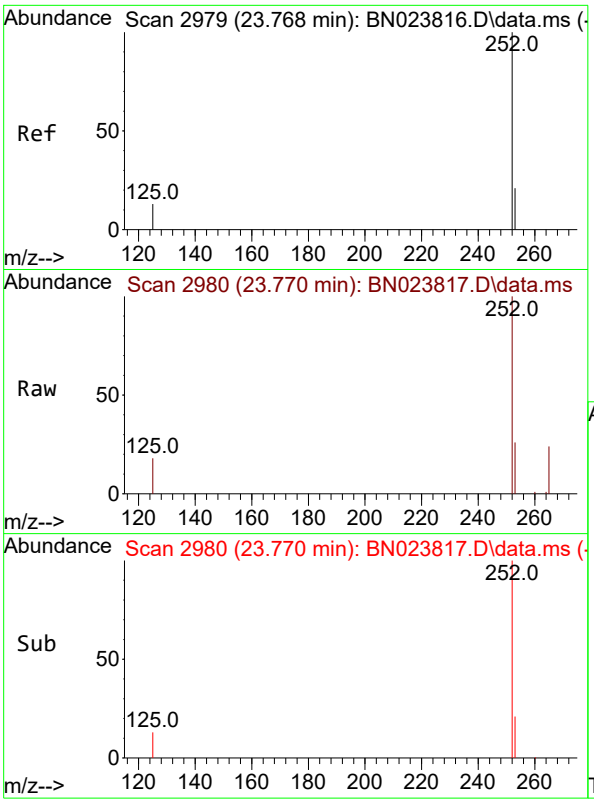


#38
Benzo(k)fluoranthene
Concen: 0.832 ng
RT: 23.197 min Scan# 2784
Delta R.T. 0.002 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:252 Resp: 27301

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.5	30.7
125	13.9	12.6	18.8



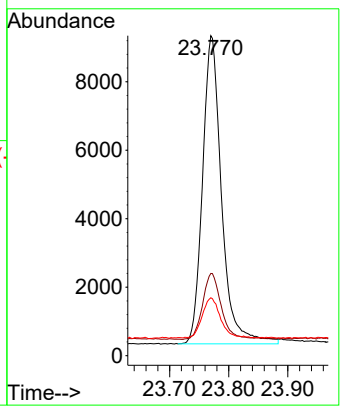


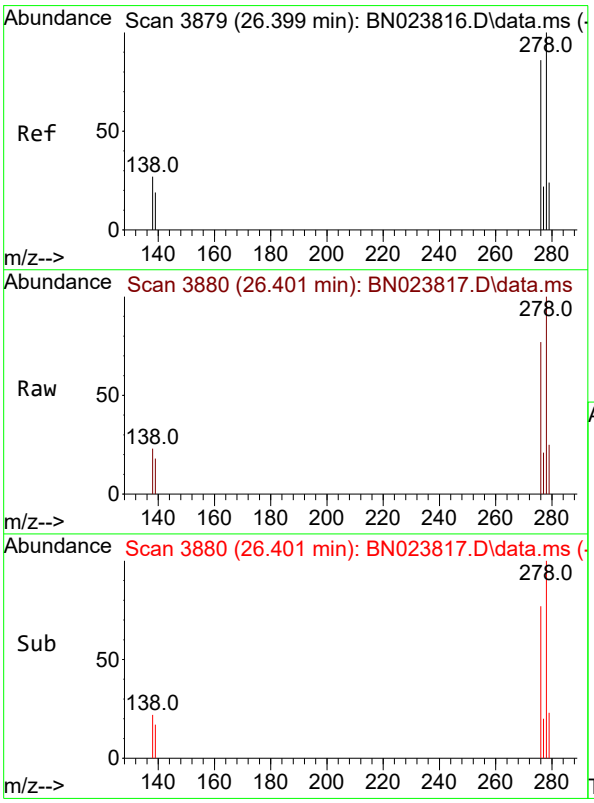
#39
Benzo(a)pyrene
Concen: 0.810 ng
RT: 23.770 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 20176

Ion	Ratio	Lower	Upper
252	100		
253	25.7	22.0	33.0
125	18.1	16.2	24.4

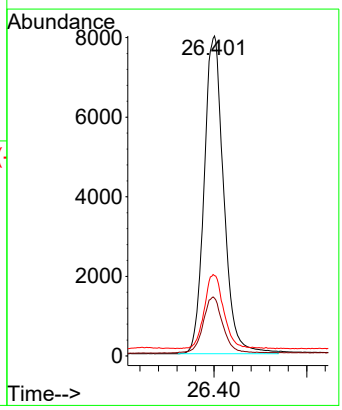


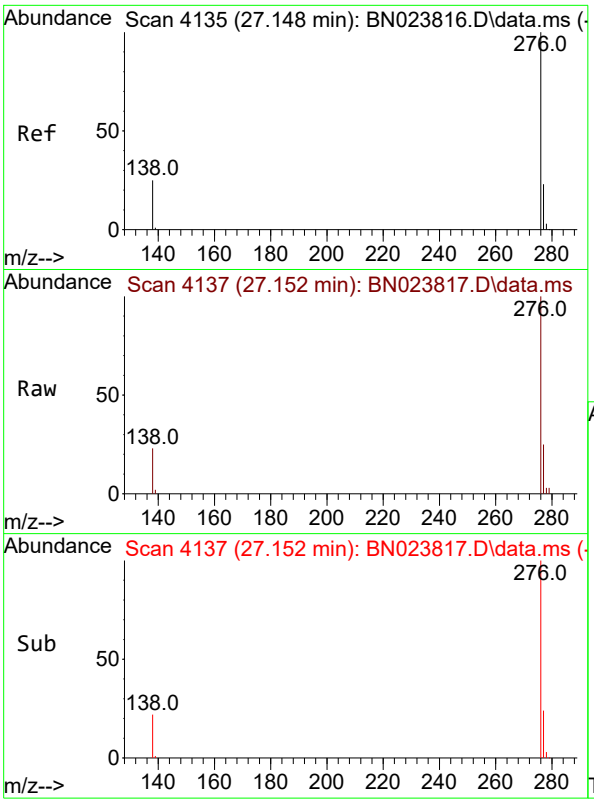


#40
Dibenzo(a,h)anthracene
Concen: 0.790 ng
RT: 26.401 min Scan# 3880
Delta R.T. 0.002 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Tgt Ion:278 Resp: 23406

Ion	Ratio	Lower	Upper
278	100		
139	18.1	16.5	24.7
279	25.1	21.7	32.5





#41
Benzo(g,h,i)perylene
Concen: 0.771 ng
RT: 27.152 min Scan# 4
Delta R.T. 0.005 min
Lab File: BN023817.D
Acq: 26 Jan 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 24256

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.7	29.5
138	22.8	21.3	31.9