Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020723\
Data File : BN023970.D
Acq On : 07 Feb 2023 14:30
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Feb 08 01:32:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN020723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 01:29:21 2023
Response via : Initial Calibration

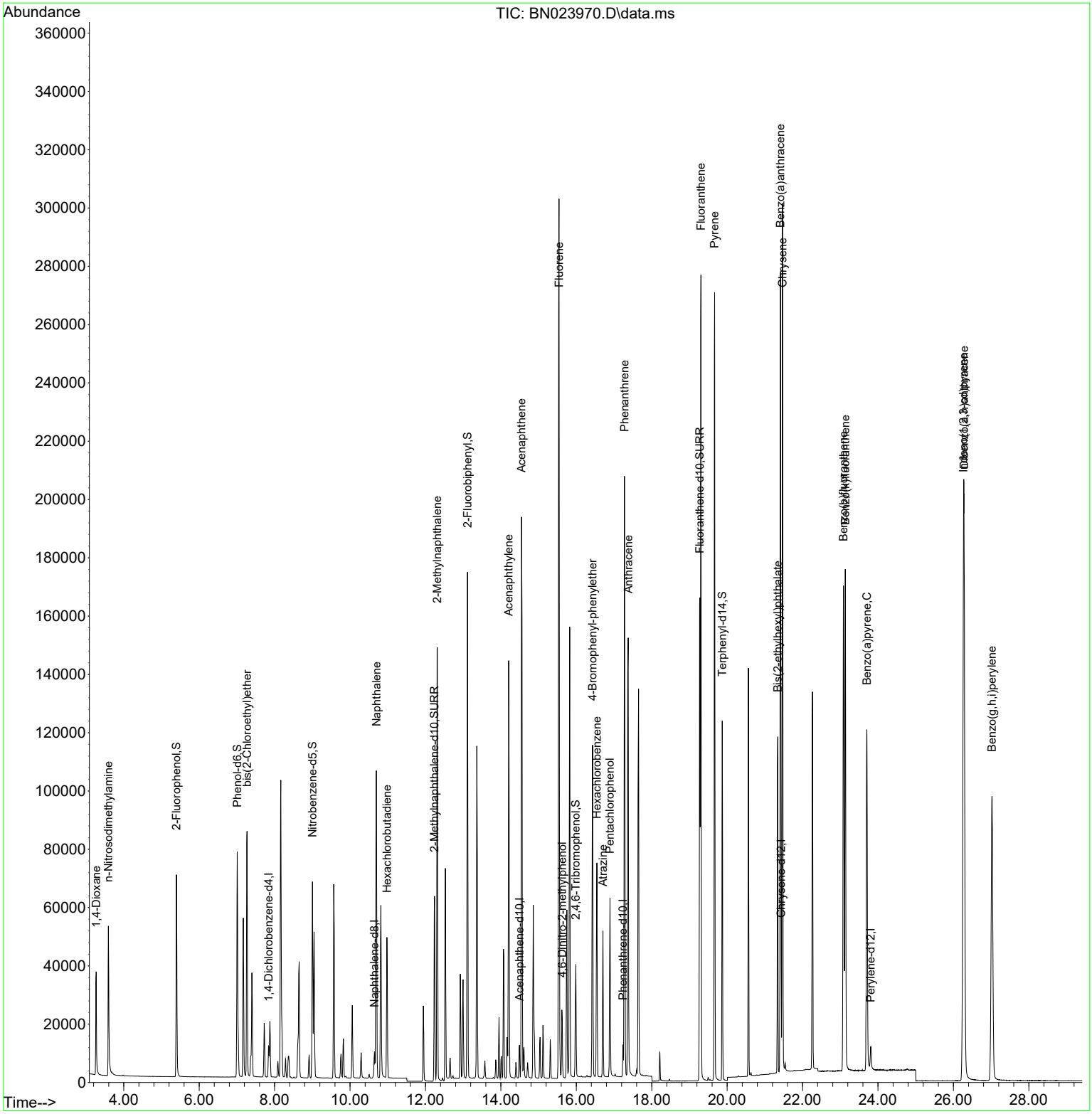
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	5106	0.400	ng		0.00
7) Naphthalene-d8	10.647	136	11206	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	6783	0.400	ng		0.01
19) Phenanthrene-d10	17.240	188	13560	0.400	ng		0.00
29) Chrysene-d12	21.432	240	12996	0.400	ng	#	0.00
35) Perylene-d12	23.809	264	10245	0.400	ng	#	-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	52187	4.918	ng		0.00
5) Phenol-d6	7.009	99	64395	5.150	ng		0.00
8) Nitrobenzene-d5	9.003	82	49747	5.530	ng		0.00
11) 2-Methylnaphthalene-d10	12.238	152	82565	5.302	ng		0.00
14) 2,4,6-Tribromophenol	15.987	330	20643	5.910	ng		0.00
15) 2-Fluorobiphenyl	13.116	172	138112	5.147	ng		0.00
27) Fluoranthene-d10	19.274	212	181076	5.501	ng		0.00
31) Terphenyl-d14	19.869	244	123472	5.091	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.268	88	23135	4.776	ng		99
3) n-Nitrosodimethylamine	3.593	42	28234	5.204	ng		99
6) bis(2-Chloroethyl)ether	7.269	93	59487	4.758	ng		99
9) Naphthalene	10.701	128	143925	5.150	ng		98
10) Hexachlorobutadiene	10.978	225	37535	5.119	ng	#	100
12) 2-Methylnaphthalene	12.314	142	98121	5.277	ng		97
16) Acenaphthylene	14.206	152	152241	5.764	ng		100
17) Acenaphthene	14.548	154	94615	5.264	ng		98
18) Fluorene	15.543	166	125411	5.145	ng		99
20) 4,6-Dinitro-2-methylph...	15.628	198	17218	7.105	ng	#	68
21) 4-Bromophenyl-phenylether	16.433	248	49190	5.581	ng		99
22) Hexachlorobenzene	16.545	284	56552	5.336	ng		99
23) Atrazine	16.707	200	34275	5.942	ng		97
24) Pentachlorophenol	16.893	266	27384	6.775	ng		96
25) Phenanthrene	17.278	178	198405	5.304	ng		99
26) Anthracene	17.377	178	178656	5.803	ng		100
28) Fluoranthene	19.304	202	233589	5.447	ng		100
30) Pyrene	19.666	202	232984	5.169	ng		100
32) Benzo(a)anthracene	21.414	228	225578	5.425	ng		99
33) Chrysene	21.468	228	226696	5.051	ng		98
34) Bis(2-ethylhexyl)phtha...	21.342	149	106202	5.587	ng		99
36) Indeno(1,2,3-cd)pyrene	26.267	276	258124	5.545	ng		100
37) Benzo(b)fluoranthene	23.084	252	218851	5.278	ng	#	94
38) Benzo(k)fluoranthene	23.133	252	215653	5.262	ng	#	93
39) Benzo(a)pyrene	23.703	252	174364	5.544	ng	#	89
40) Dibenzo(a,h)anthracene	26.282	278	207396	5.566	ng		94
41) Benzo(g,h,i)perylene	27.022	276	216168	5.470	ng		98

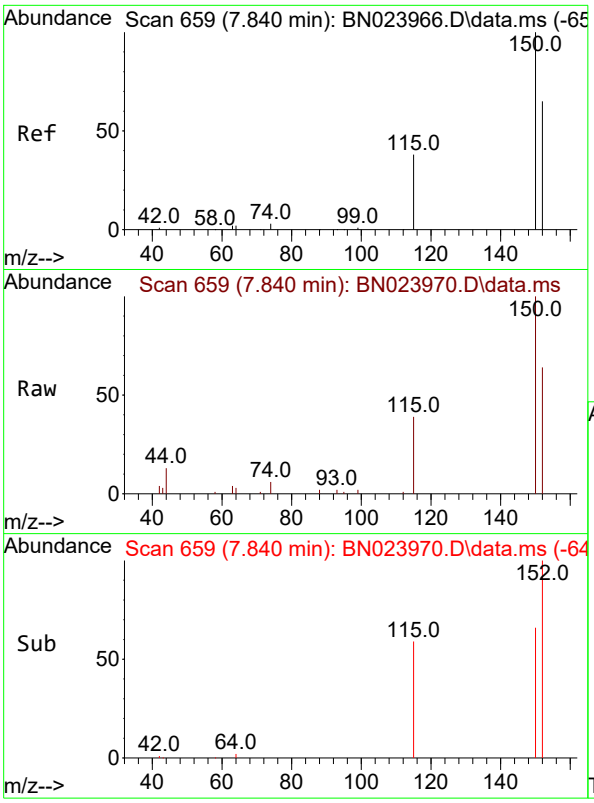
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020723\
Data File : BN023970.D
Acq On : 07 Feb 2023 14:30
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Feb 08 01:32:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN020723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 01:29:21 2023
Response via : Initial Calibration



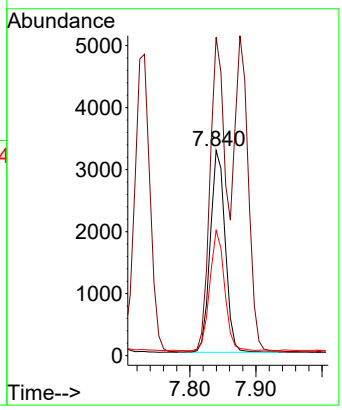


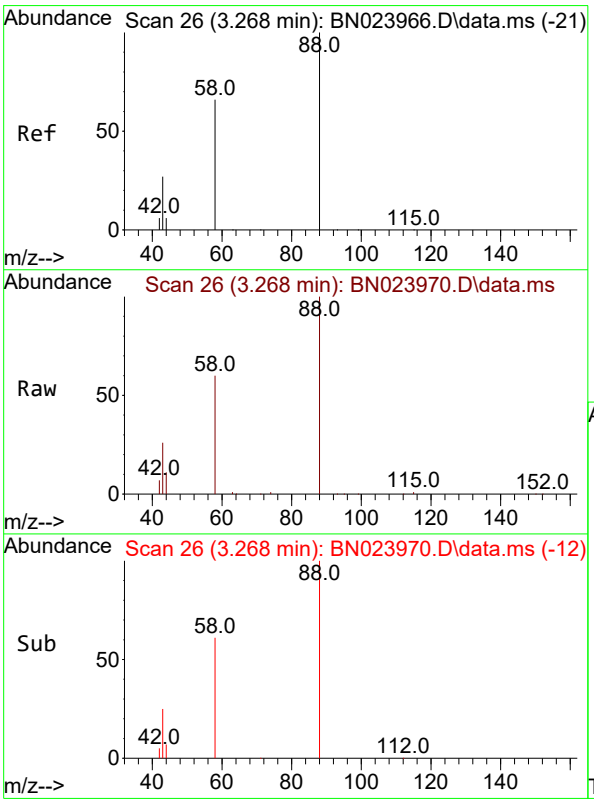
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 5106

Ion	Ratio	Lower	Upper
152	100		
150	155.1	121.8	182.6
115	61.0	47.7	71.5

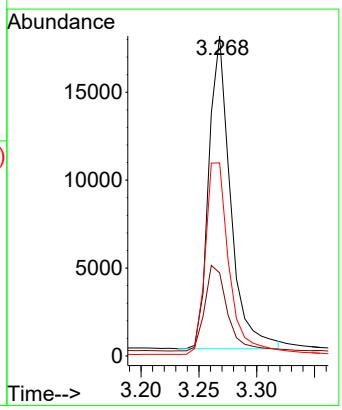


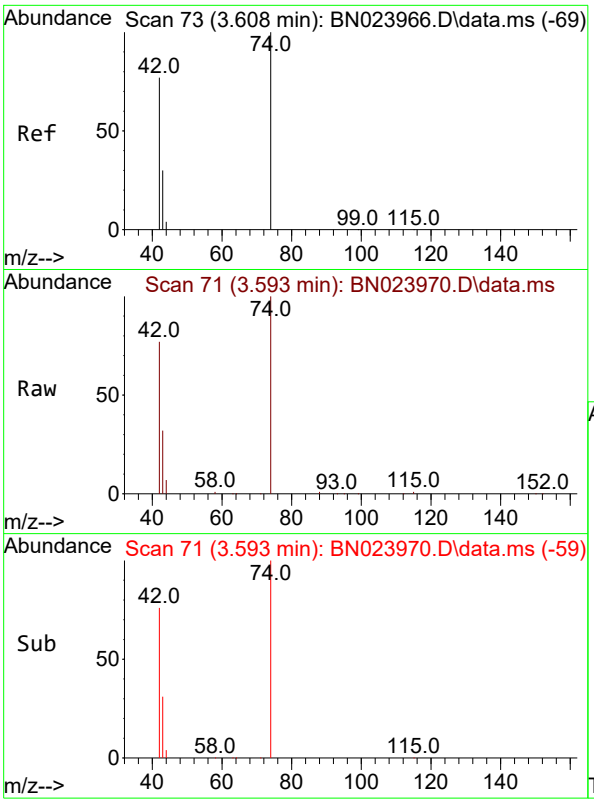


#2
1,4-Dioxane
Concen: 4.776 ng
RT: 3.268 min Scan# 26
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion: 88 Resp: 23135

Ion	Ratio	Lower	Upper
88	100		
43	28.7	23.7	35.5
58	67.4	53.4	80.2



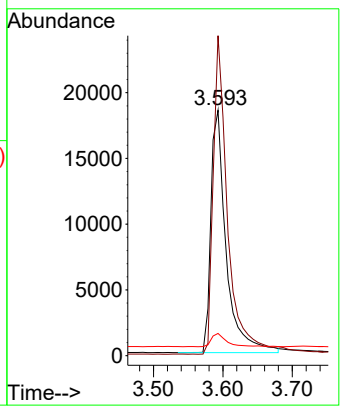


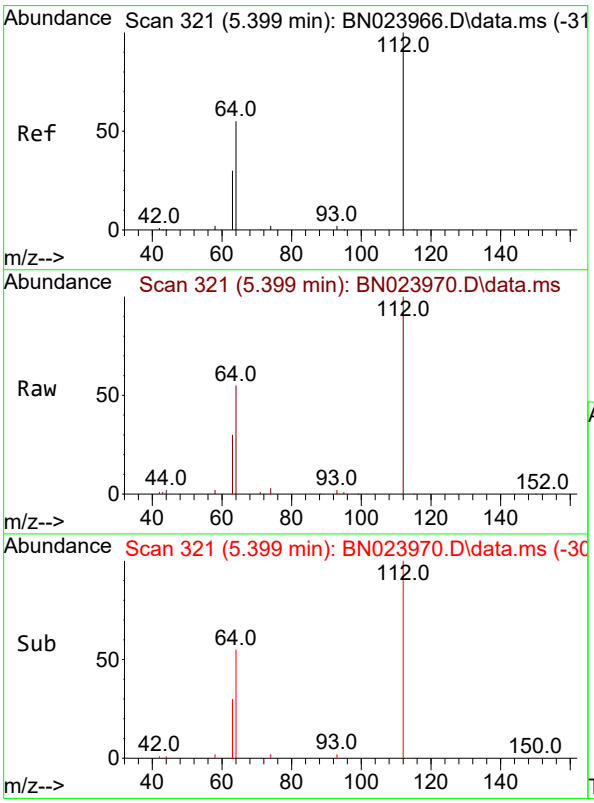
#3
n-Nitrosodimethylamine
Concen: 5.204 ng
RT: 3.593 min Scan# 7
Delta R.T. -0.015 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 28234

Ion	Ratio	Lower	Upper
42	100		
74	123.4	99.3	148.9
44	5.6	4.2	6.4

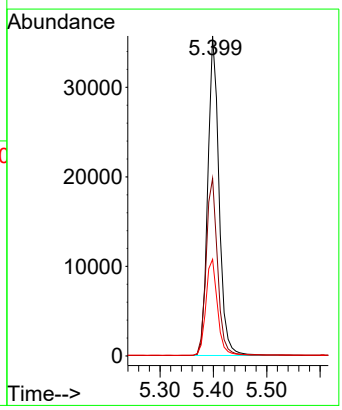


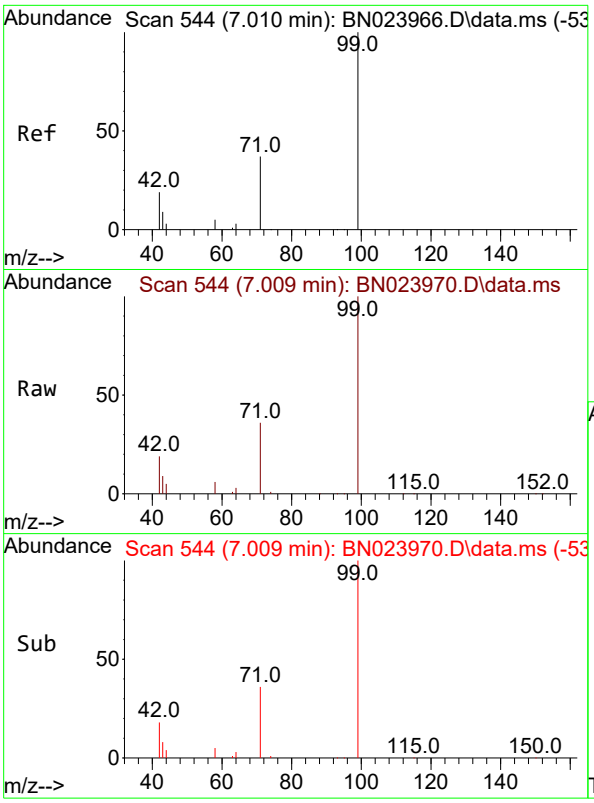


#4
2-Fluorophenol
Concen: 4.918 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:112 Resp: 52187

Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.8	67.2
63	31.1	25.1	37.7



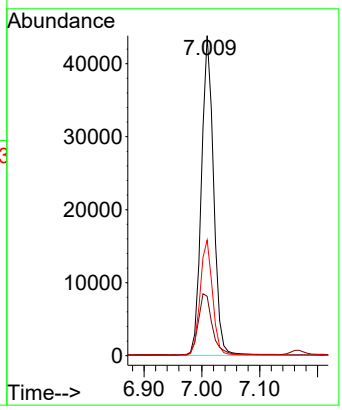


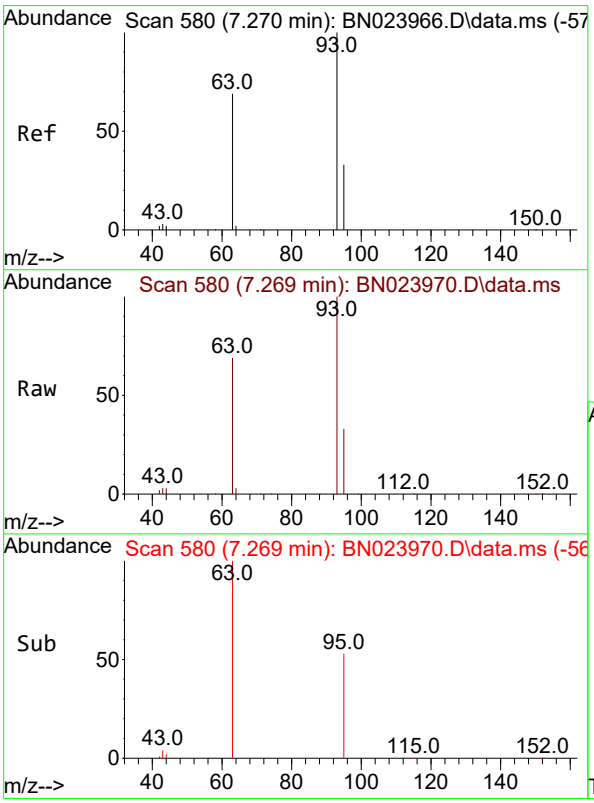
#5
Phenol-d6
Concen: 5.150 ng
RT: 7.009 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 64395

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.0	25.6
71	36.7	29.0	43.4

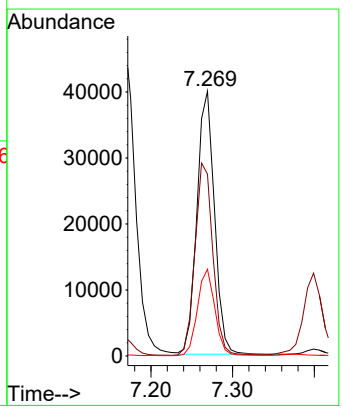


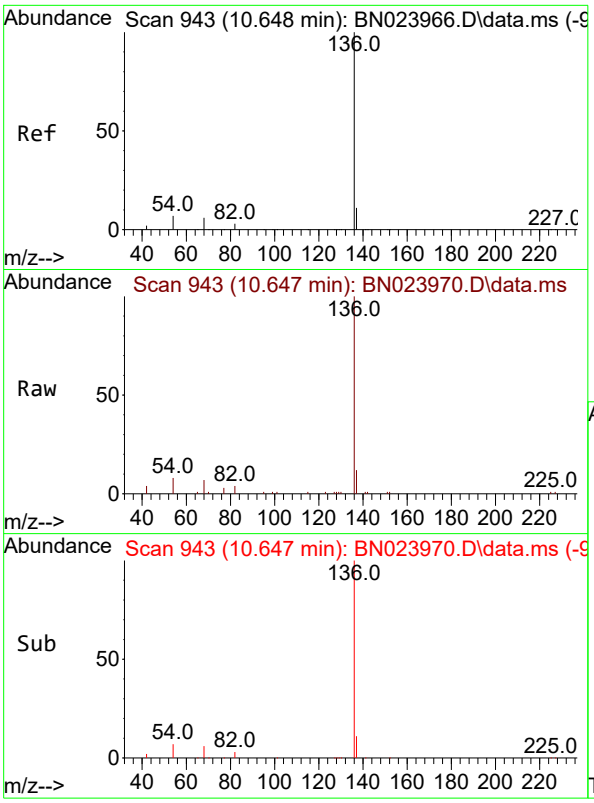


#6
bis(2-Chloroethyl)ether
Concen: 4.758 ng
RT: 7.269 min Scan# 580
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion: 93 Resp: 59487

Ion	Ratio	Lower	Upper
93	100		
63	74.5	58.4	87.6
95	32.7	25.8	38.6



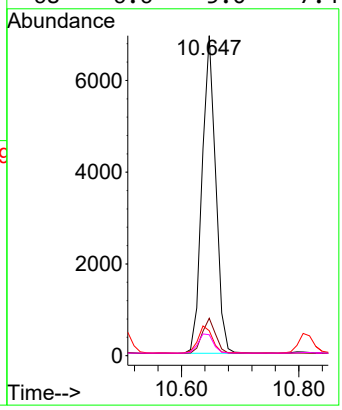


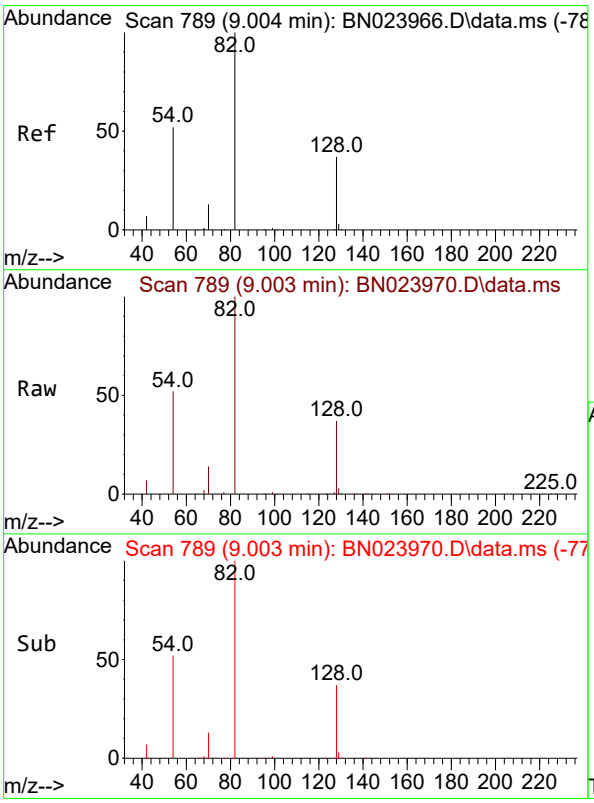
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 11206

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.8	5.8	8.8
68	6.6	5.0	7.4

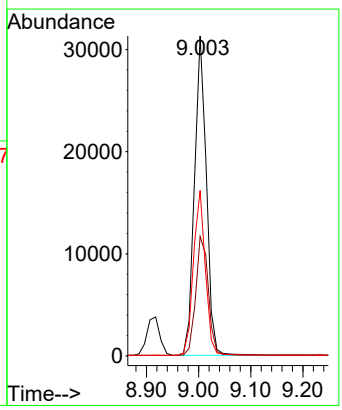


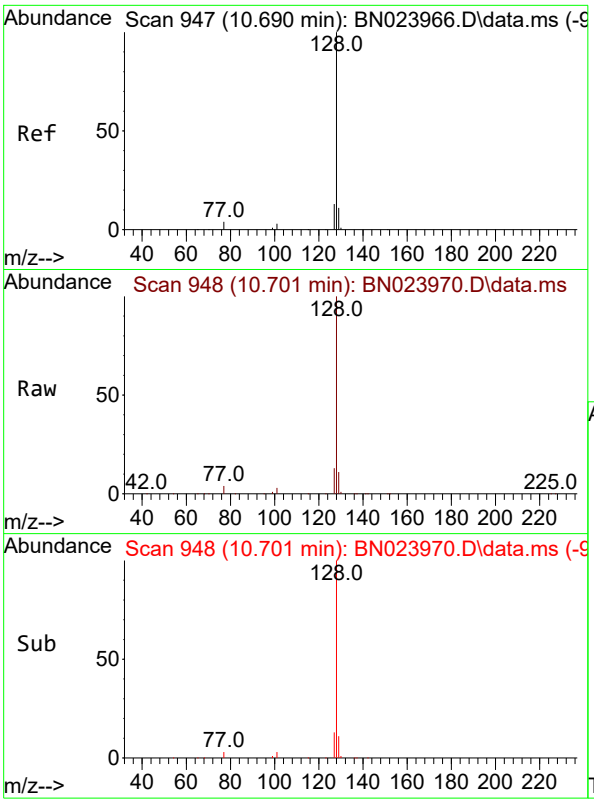


#8
Nitrobenzene-d5
Concen: 5.530 ng
RT: 9.003 min Scan# 789
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion: 82 Resp: 49747

Ion	Ratio	Lower	Upper
82	100		
128	37.3	31.5	47.3
54	51.7	42.8	64.2



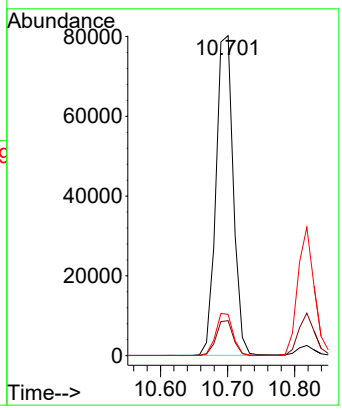


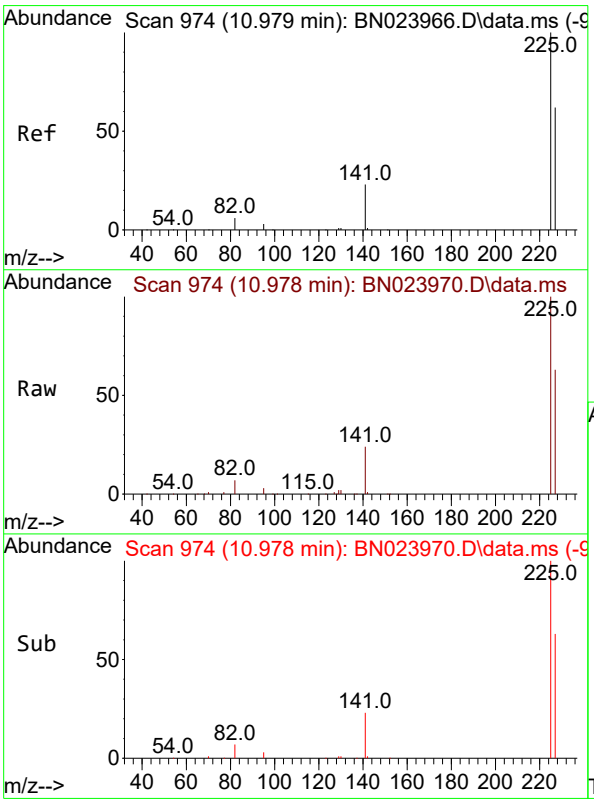
#9
Naphthalene
Concen: 5.150 ng
RT: 10.701 min Scan# 94
Delta R.T. 0.010 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 143925

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	12.9	11.0	16.4

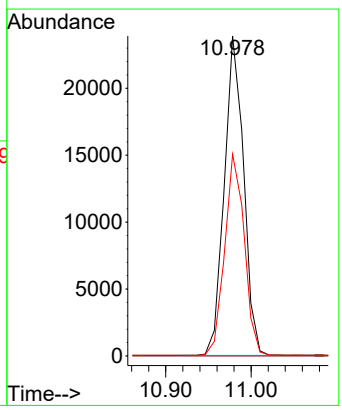


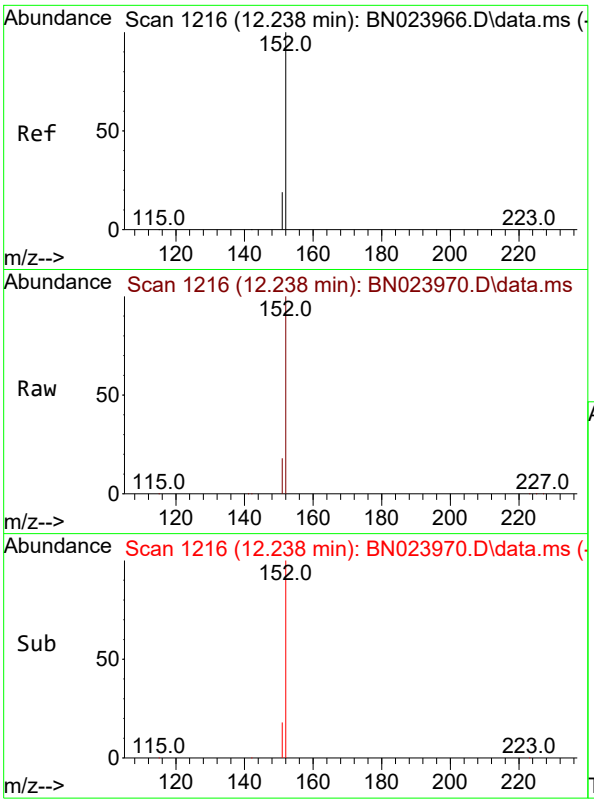


#10
Hexachlorobutadiene
Concen: 5.119 ng
RT: 10.978 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:225 Resp: 37535

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.1	76.7



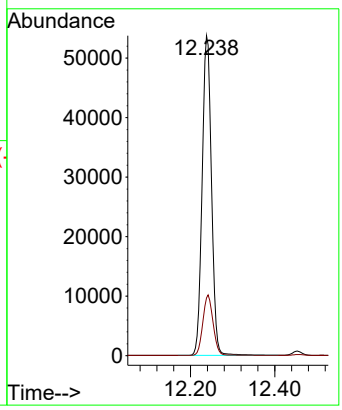


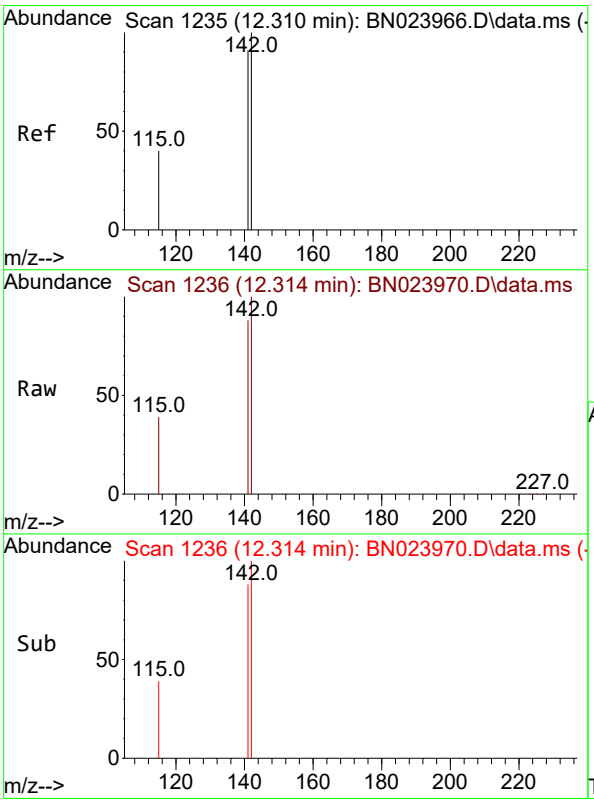
#11
2-Methylnaphthalene-d10
Concen: 5.302 ng
RT: 12.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 82565

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	24.8

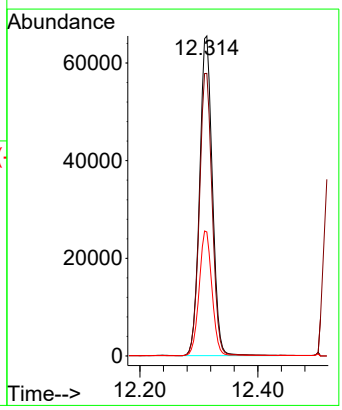


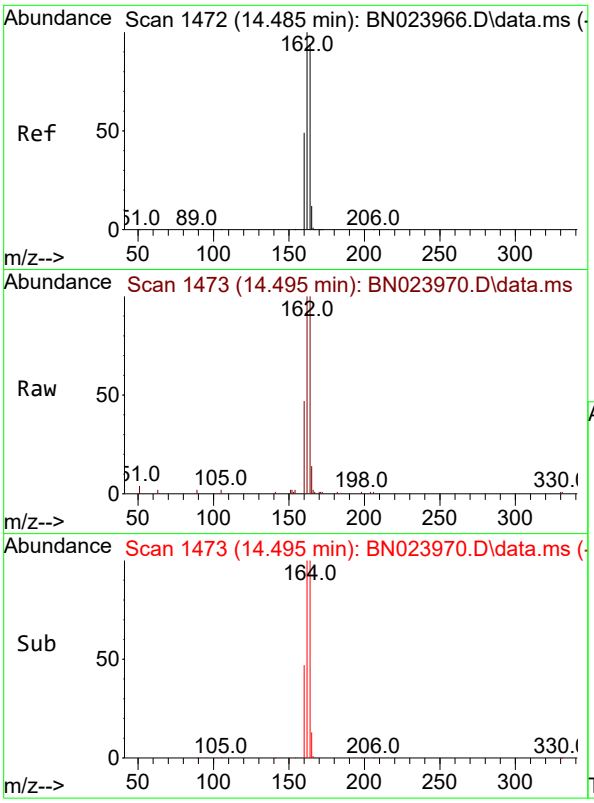


#12
2-Methylnaphthalene
Concen: 5.277 ng
RT: 12.314 min Scan# 1236
Delta R.T. 0.003 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:142 Resp: 98121

Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.9	109.3
115	38.7	33.1	49.7



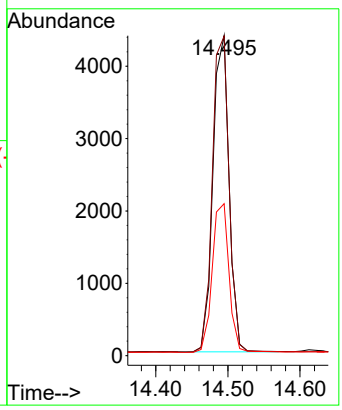


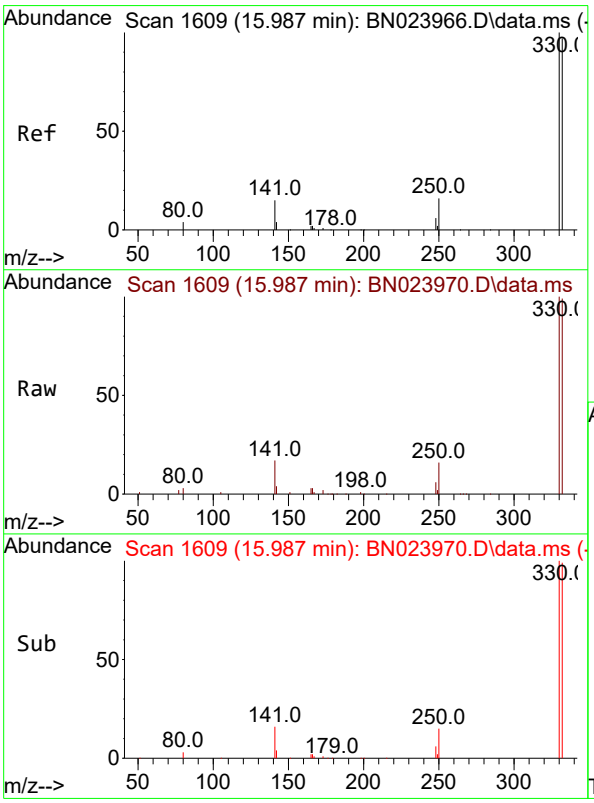
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.010 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 6783

Ion	Ratio	Lower	Upper
164	100		
162	99.8	84.8	127.2
160	47.5	42.0	63.0

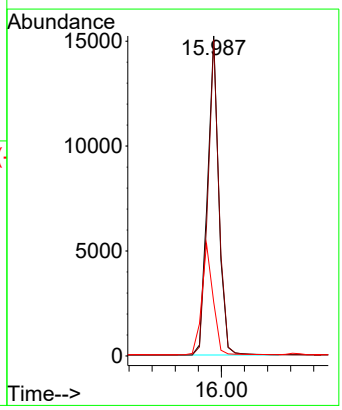


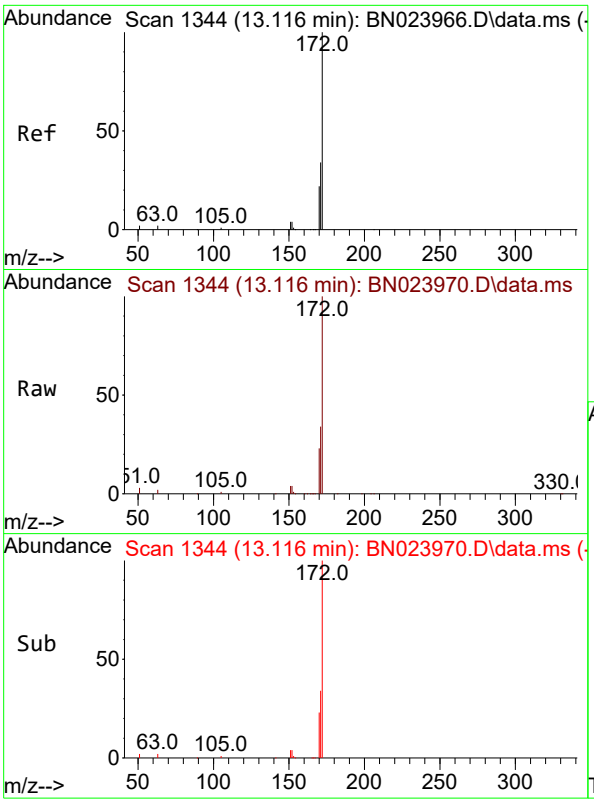


#14
2,4,6-Tribromophenol
Concen: 5.910 ng
RT: 15.987 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:330 Resp: 20643

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.7	116.5
141	35.0	26.6	39.8



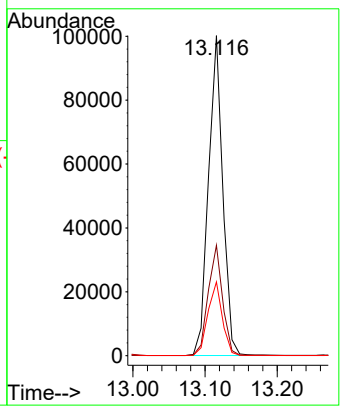


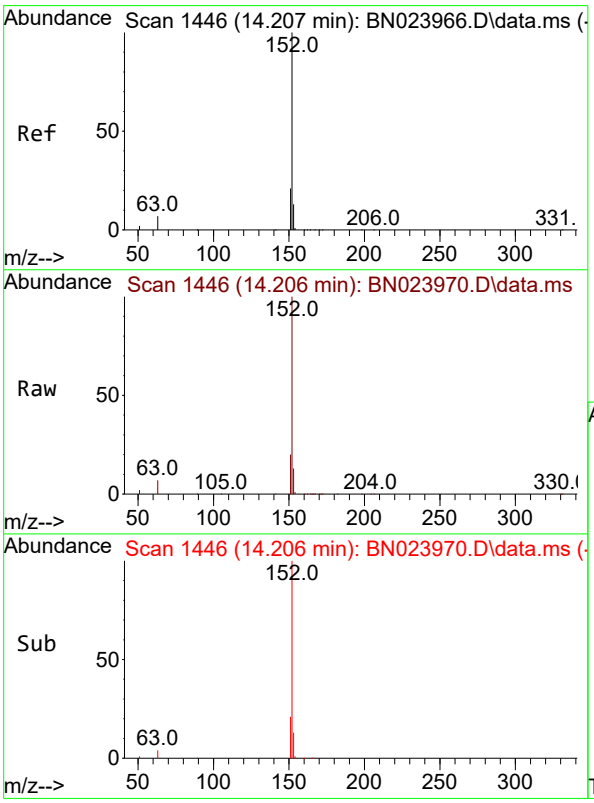
#15
2-Fluorobiphenyl
Concen: 5.147 ng
RT: 13.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 138112

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.0	18.2	27.4

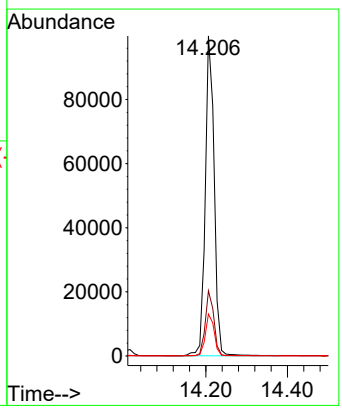


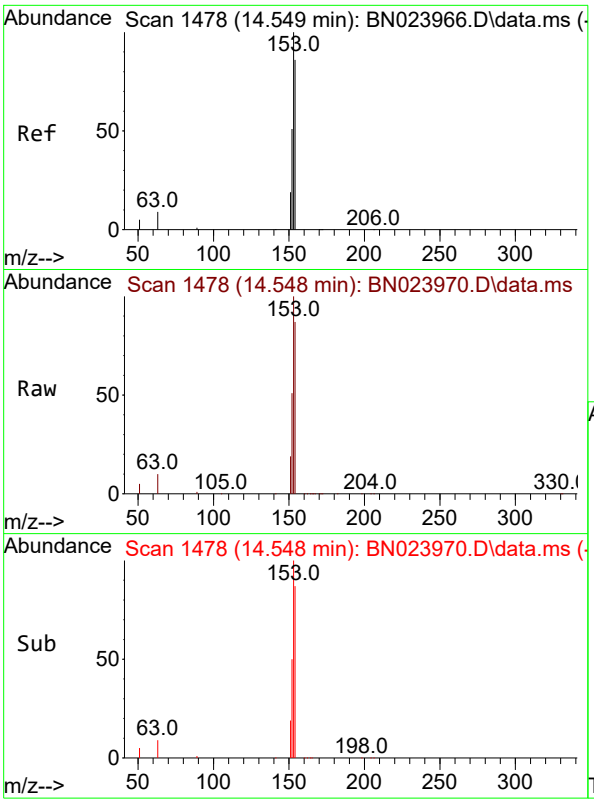


#16
Acenaphthylene
Concen: 5.764 ng
RT: 14.206 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:152 Resp: 152241

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.0	10.5	15.7



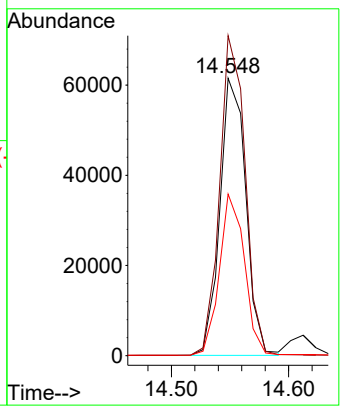


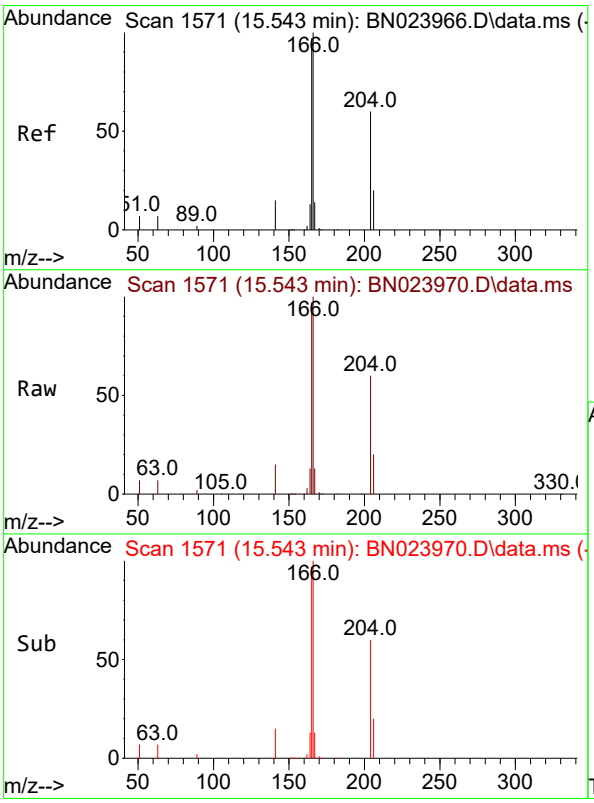
#17
Acenaphthene
Concen: 5.264 ng
RT: 14.548 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 94615

Ion	Ratio	Lower	Upper
154	100		
153	113.5	92.6	139.0
152	56.5	46.5	69.7

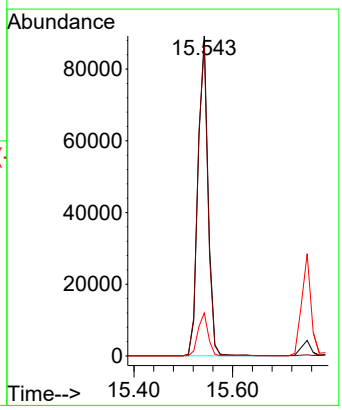


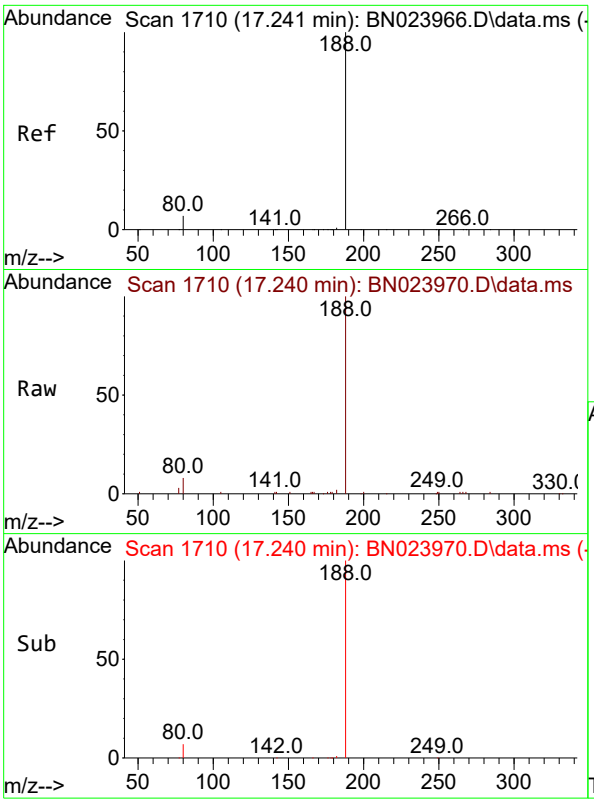


#18
Fluorene
Concen: 5.145 ng
RT: 15.543 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:166 Resp: 125411

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.3	118.9
167	13.4	11.0	16.6



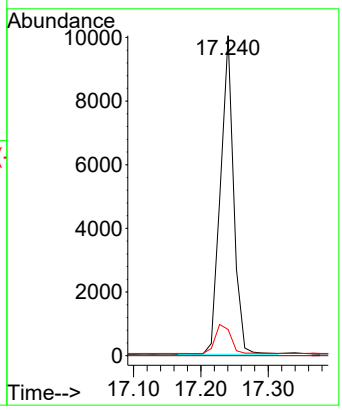


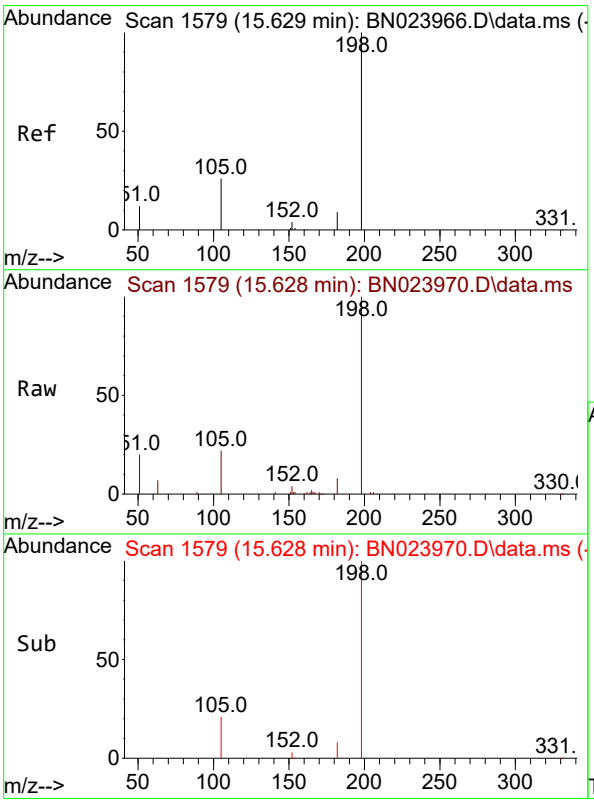
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.240 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 13560

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.1	9.1

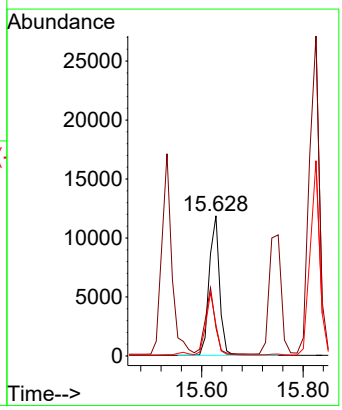


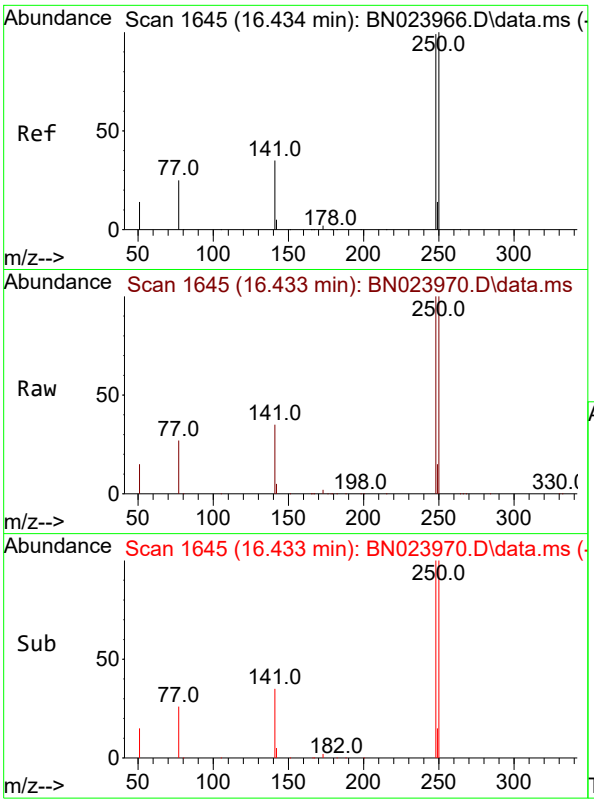


#20
4,6-Dinitro-2-methylphenol
Concen: 7.105 ng
RT: 15.628 min Scan# 1579
Delta R.T. -0.001 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:198 Resp: 17218

Ion	Ratio	Lower	Upper
198	100		
51	20.2	36.8	55.2#
105	22.3	28.8	43.2#



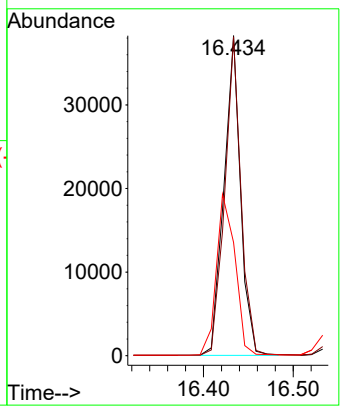


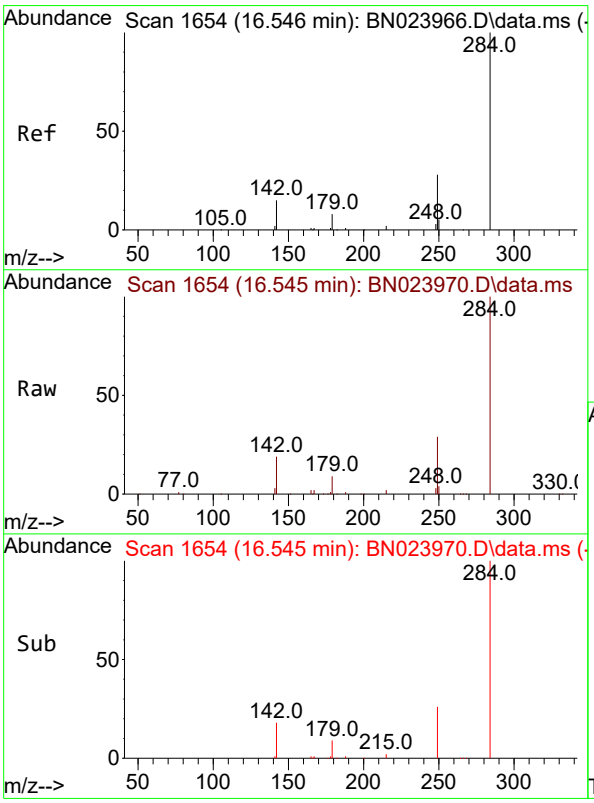
#21
4-Bromophenyl-phenylether
Concen: 5.581 ng
RT: 16.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 49190

Ion	Ratio	Lower	Upper
248	100		
250	99.6	80.8	121.2
141	35.4	29.2	43.8

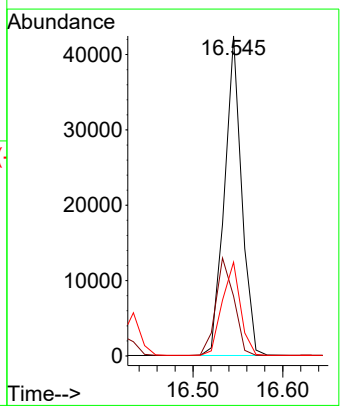


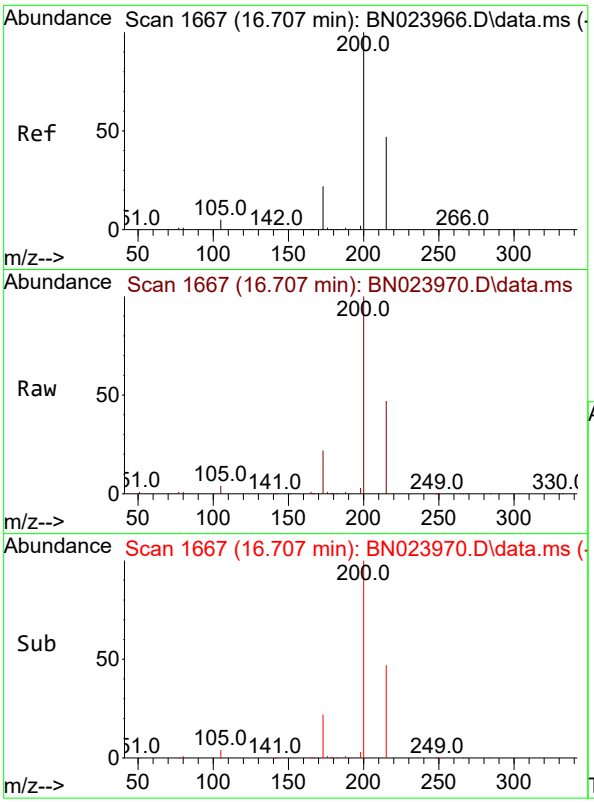


#22
Hexachlorobenzene
Concen: 5.336 ng
RT: 16.545 min Scan# 1654
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:284 Resp: 56552

Ion	Ratio	Lower	Upper
284	100		
142	32.4	26.2	39.2
249	30.9	25.0	37.4



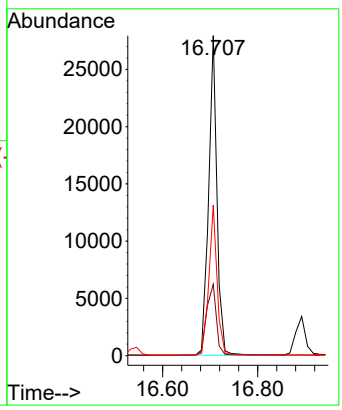


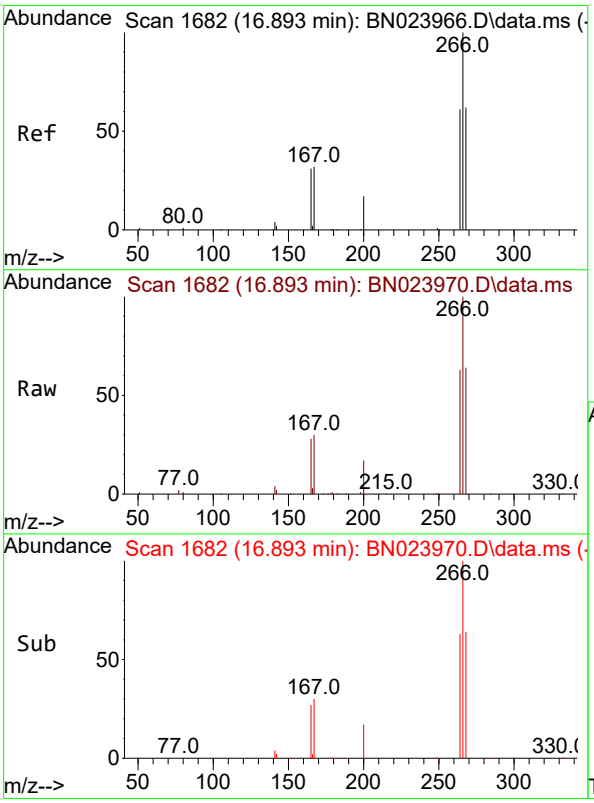
#23
Atrazine
Concen: 5.942 ng
RT: 16.707 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 34275

Ion	Ratio	Lower	Upper
200	100		
173	22.3	19.5	29.3
215	47.0	38.6	58.0

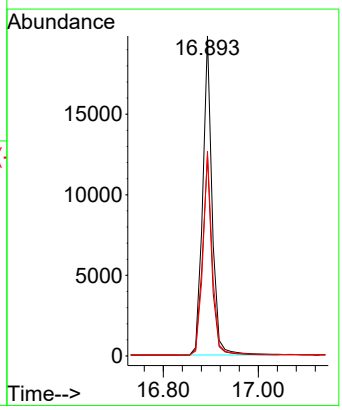


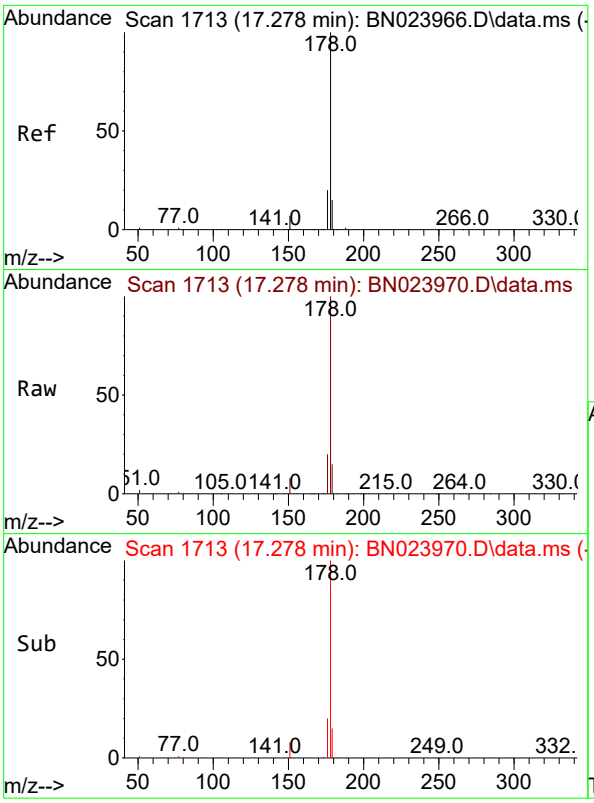


#24
Pentachlorophenol
Concen: 6.775 ng
RT: 16.893 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:266 Resp: 27384

Ion	Ratio	Lower	Upper
266	100		
264	62.3	47.6	71.4
268	63.3	47.5	71.3



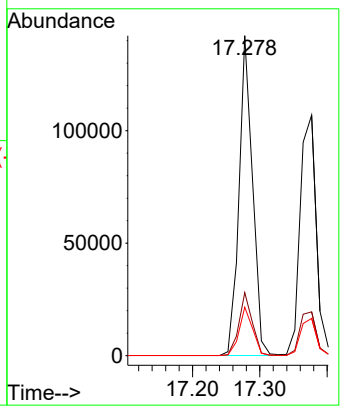


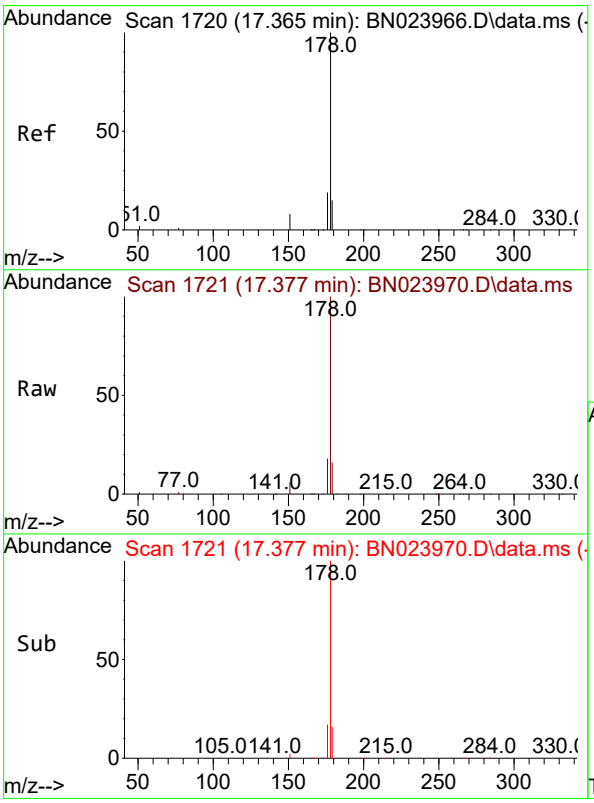
#25
Phenanthrene
Concen: 5.304 ng
RT: 17.278 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 198405

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.2	12.6	19.0

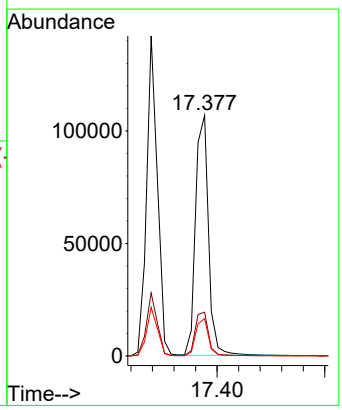


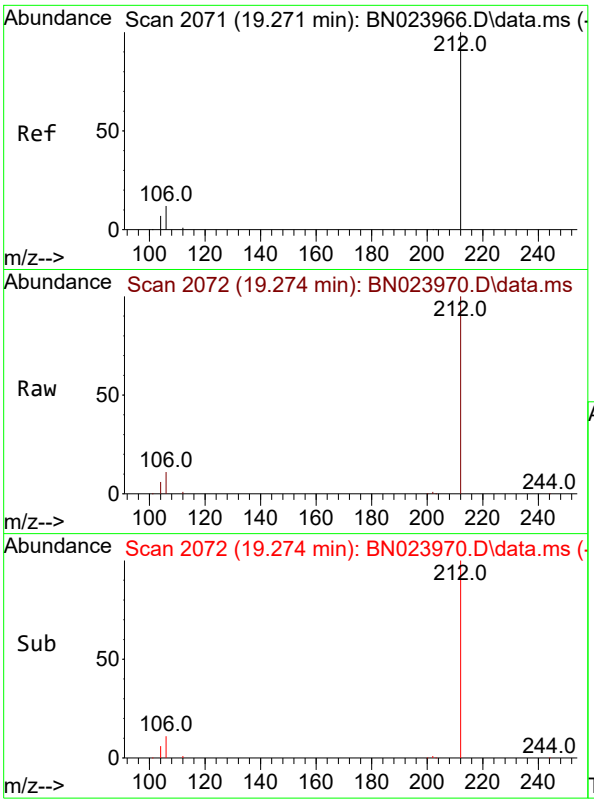


#26
Anthracene
Concen: 5.803 ng
RT: 17.377 min Scan# 1721
Delta R.T. 0.012 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:178 Resp: 178656

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	12.2	18.4



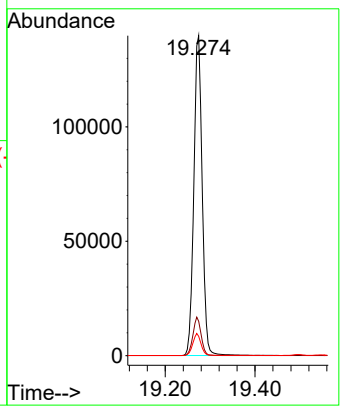


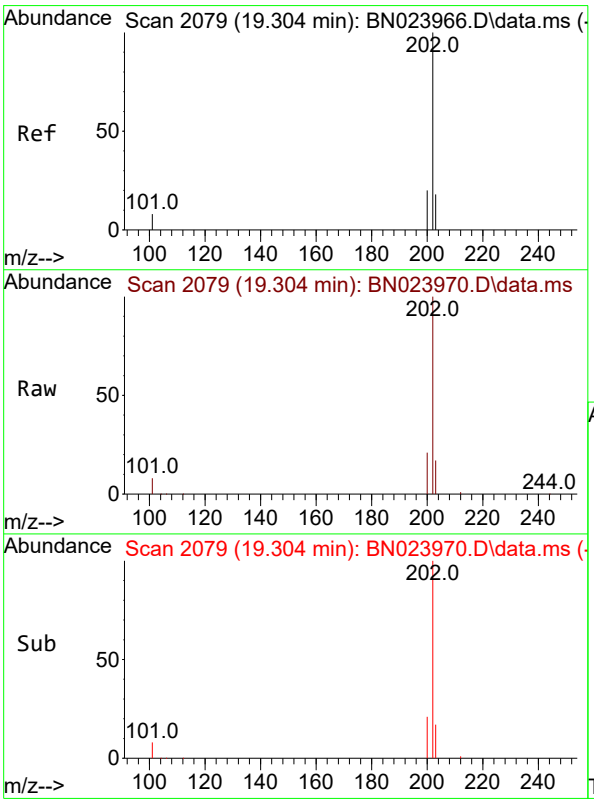
#27
Fluoranthene-d10
Concen: 5.501 ng
RT: 19.274 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 181076

Ion	Ratio	Lower	Upper
212	100		
106	11.7	9.2	13.8
104	6.7	5.7	8.5

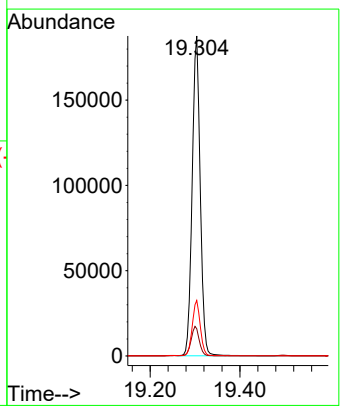


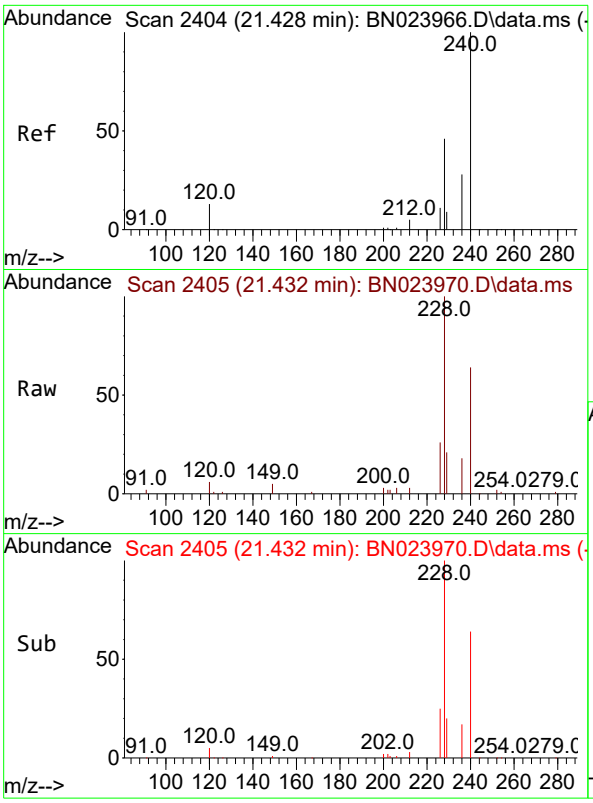


#28
Fluoranthene
Concen: 5.447 ng
RT: 19.304 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:202 Resp: 233589

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.7	11.5
203	17.3	13.7	20.5



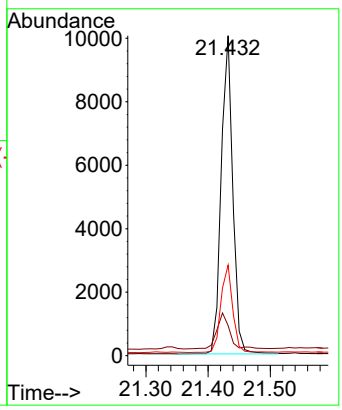


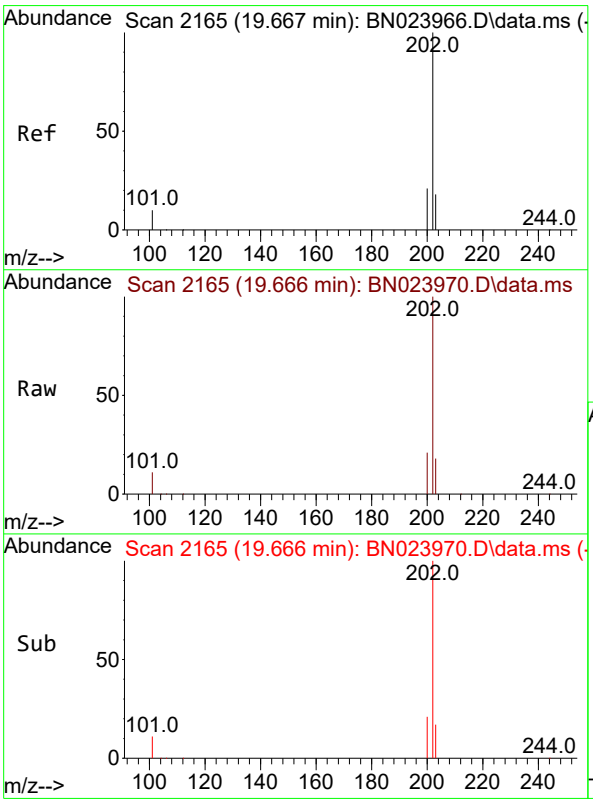
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.432 min Scan# 24
Delta R.T. 0.004 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 12996

Ion	Ratio	Lower	Upper
240	100		
120	9.4	11.4	17.0#
236	28.3	23.2	34.8

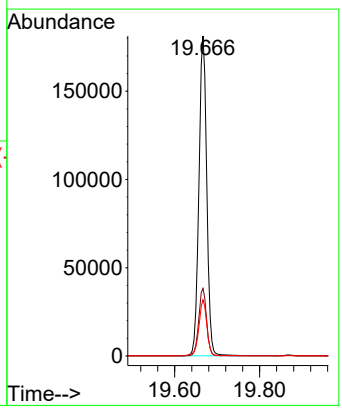


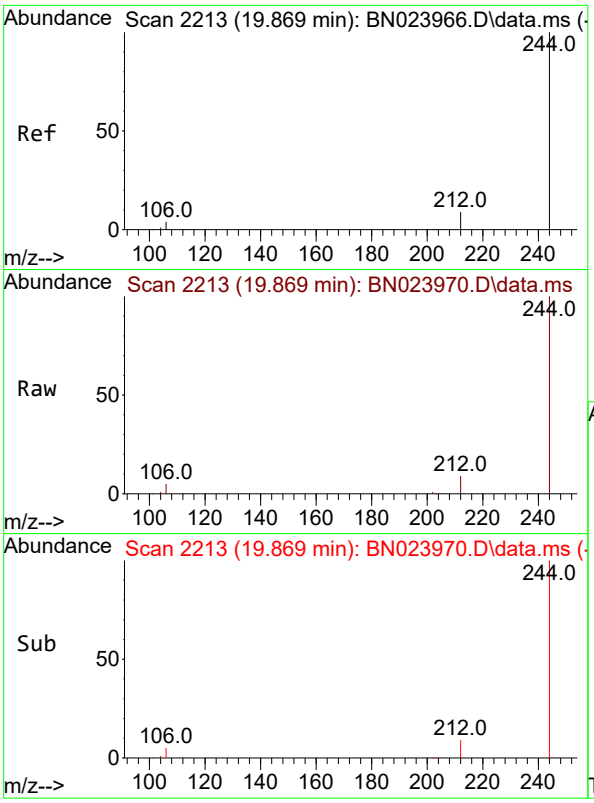


#30
Pyrene
Concen: 5.169 ng
RT: 19.666 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:202 Resp: 232984

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.4	21.6



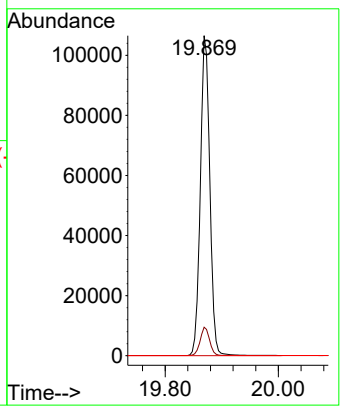


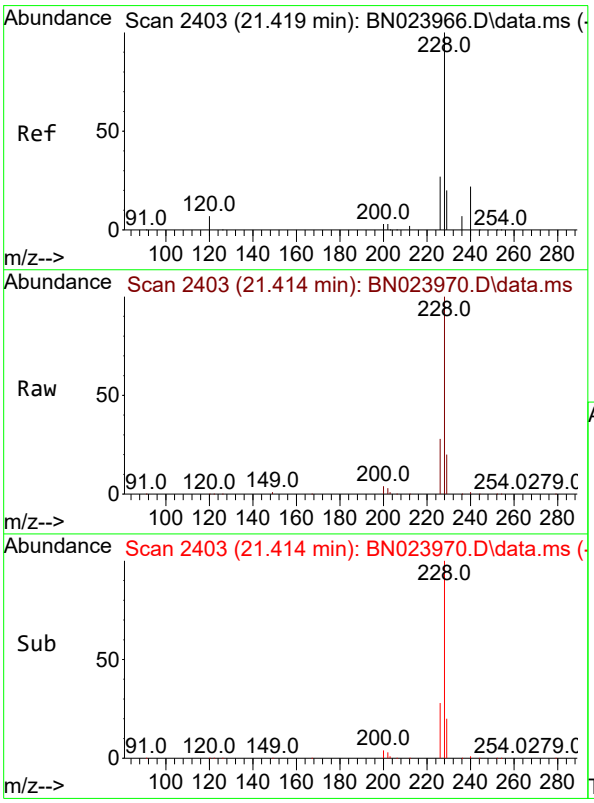
#31
Terphenyl-d14
Concen: 5.091 ng
RT: 19.869 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 123472

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.7	11.5
122	0.0	0.0	0.0

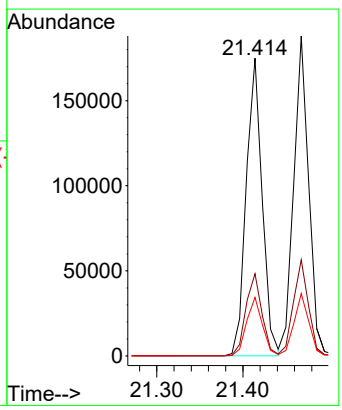


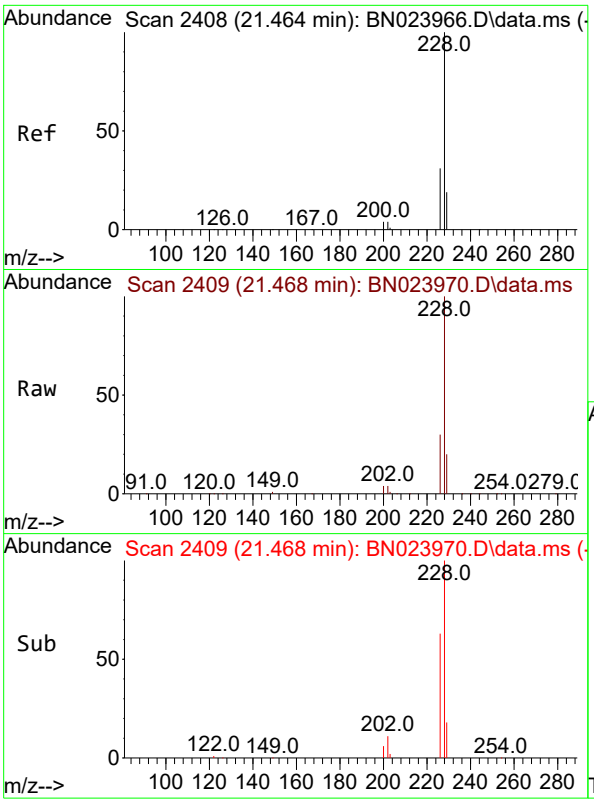


#32
Benzo(a)anthracene
Concen: 5.425 ng
RT: 21.414 min Scan# 2403
Delta R.T. -0.005 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:228 Resp: 225578

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.6	15.9	23.9



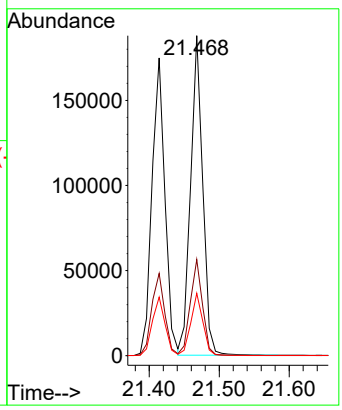


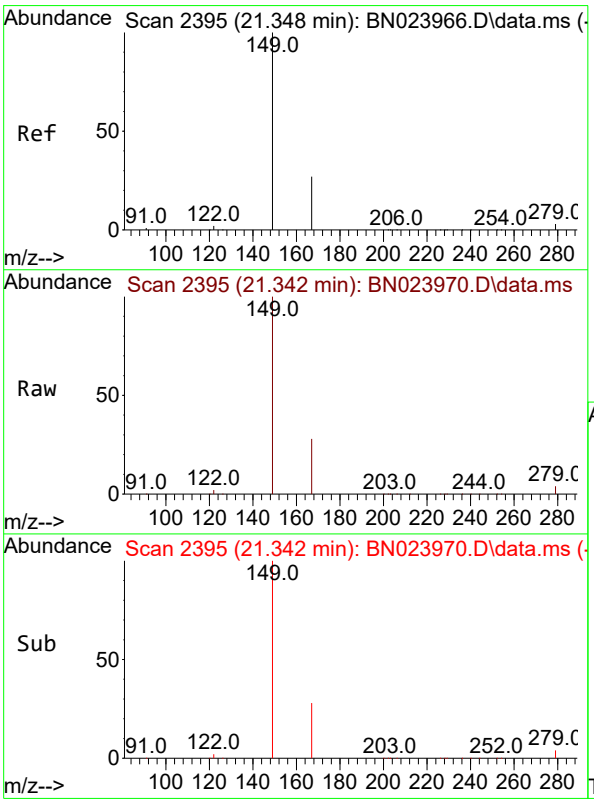
#33
Chrysene
Concen: 5.051 ng
RT: 21.468 min Scan# 24
Delta R.T. 0.004 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 226696

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.2	37.8
229	19.5	15.7	23.5

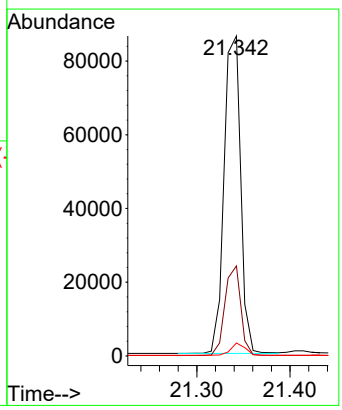


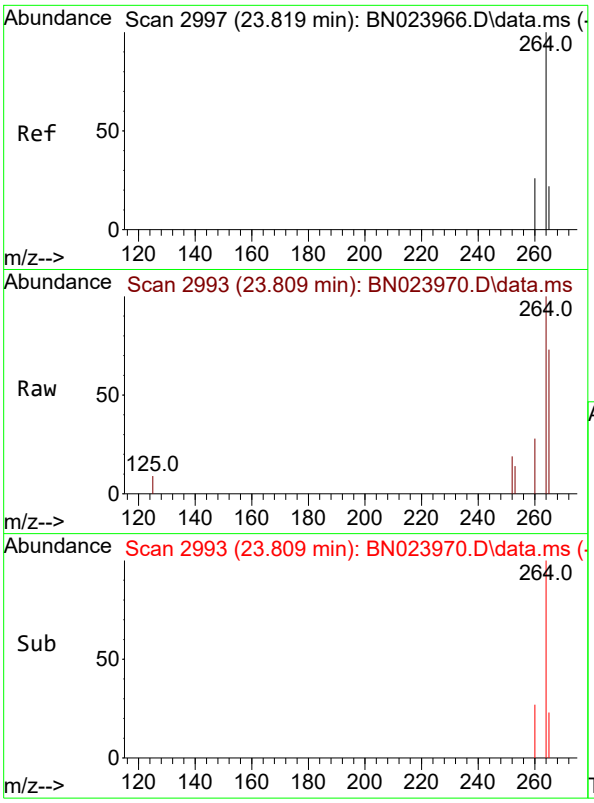


#34
Bis(2-ethylhexyl)phthalate
Concen: 5.587 ng
RT: 21.342 min Scan# 2395
Delta R.T. -0.005 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:149 Resp: 106202

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.1	31.7
279	3.4	3.1	4.7



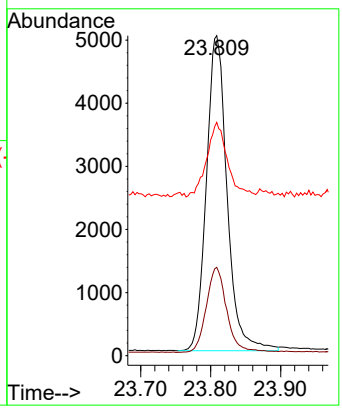


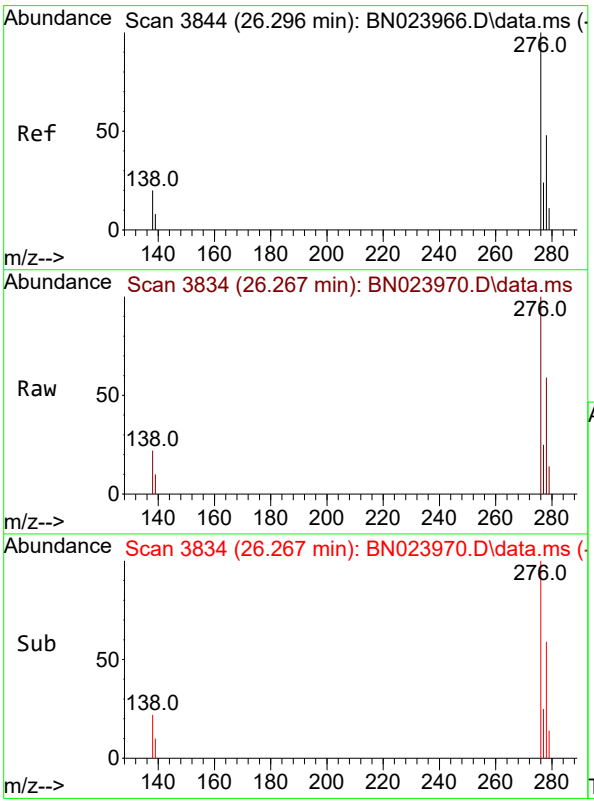
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.809 min Scan# 2
Delta R.T. -0.011 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 10245

Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.4	32.0
265	72.9	41.4	62.0#

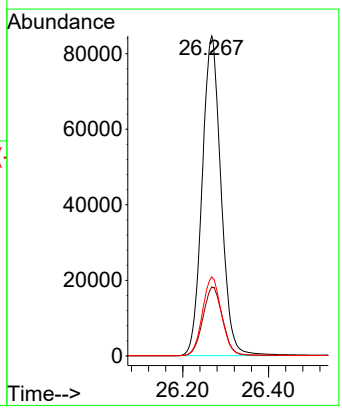


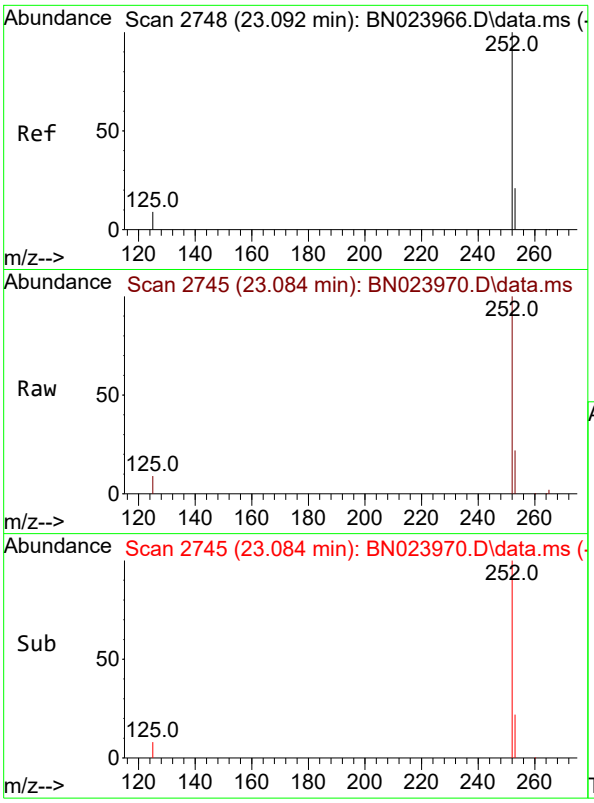


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.545 ng
RT: 26.267 min Scan# 3834
Delta R.T. -0.028 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:276 Resp: 258124

Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.0	27.0
277	24.9	19.9	29.9



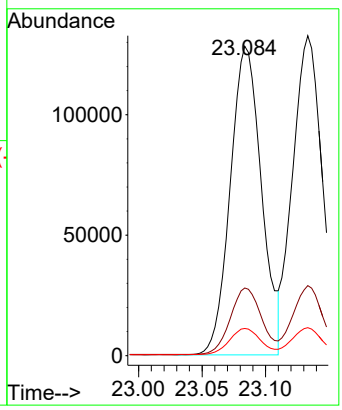


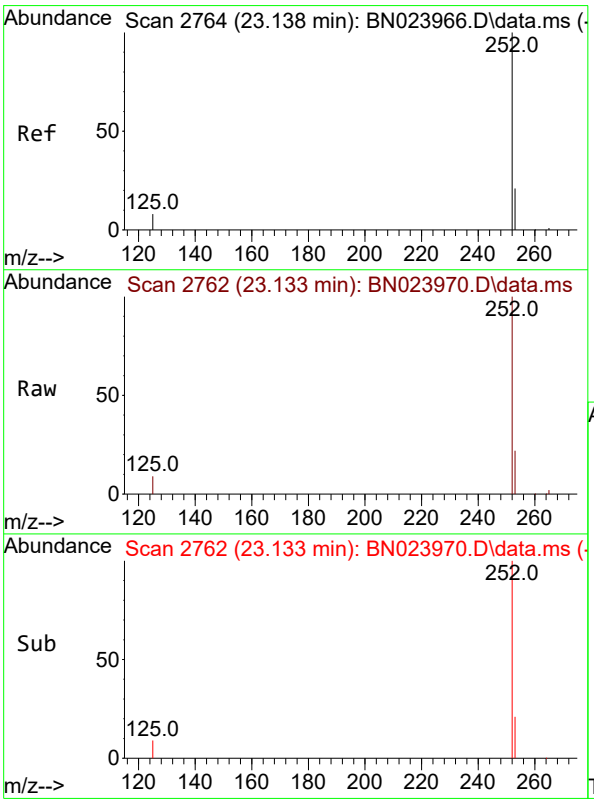
#37
Benzo(b)fluoranthene
Concen: 5.278 ng
RT: 23.084 min Scan# 2
Delta R.T. -0.008 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 218851

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.8	29.6
125	8.8	9.4	14.0#

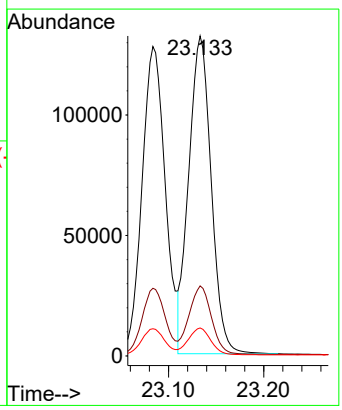


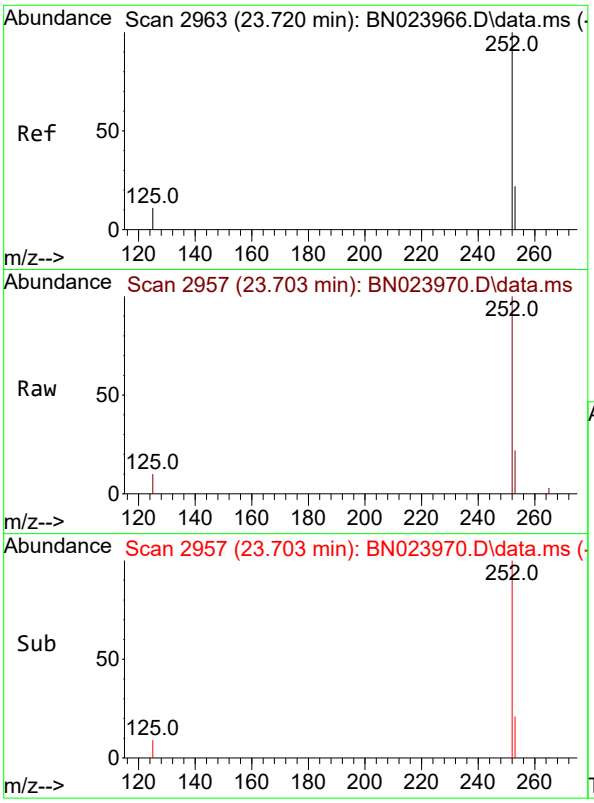


#38
Benzo(k)fluoranthene
Concen: 5.262 ng
RT: 23.133 min Scan# 2762
Delta R.T. -0.005 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:252 Resp: 215653

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.2	30.2
125	8.7	9.0	13.4#



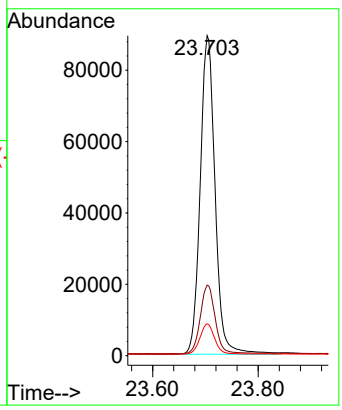


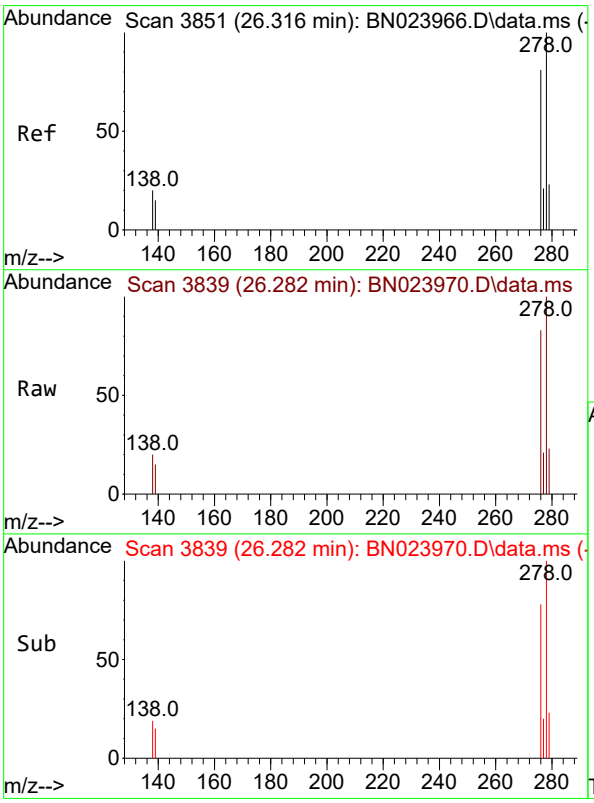
#39
Benzo(a)pyrene
Concen: 5.544 ng
RT: 23.703 min Scan# 2
Delta R.T. -0.017 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 174364

Ion	Ratio	Lower	Upper
252	100		
253	22.0	21.9	32.9
125	9.9	12.4	18.6#

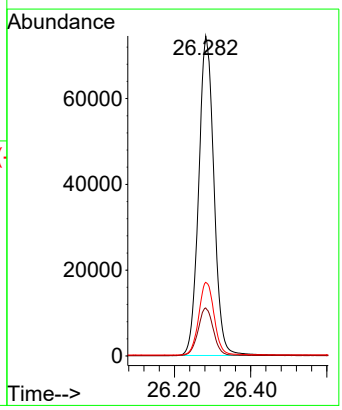


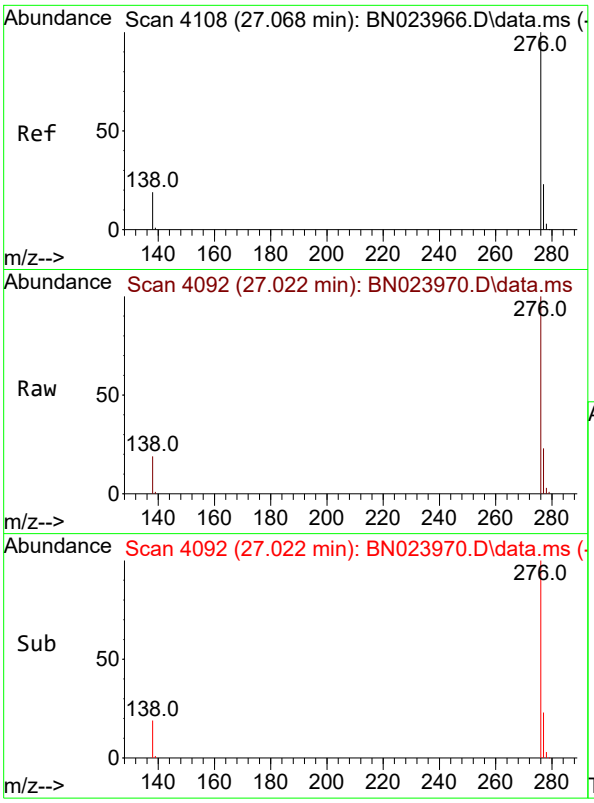


#40
Dibenzo(a,h)anthracene
Concen: 5.566 ng
RT: 26.282 min Scan# 3839
Delta R.T. -0.034 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Tgt Ion:278 Resp: 207396

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.1	19.7
279	23.0	21.7	32.5





#41
Benzo(g,h,i)perylene
Concen: 5.470 ng
RT: 27.022 min Scan# 4
Delta R.T. -0.046 min
Lab File: BN023970.D
Acq: 07 Feb 2023 14:30

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 216168

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.6	29.4
138	19.3	16.2	24.4