Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052623\
Data File : BN025611.D
Acq On : 26 May 2023 16:29
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Quant Time: May 27 03:53:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 27 03:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.026	152	5882	0.400	ng		0.00
7) Naphthalene-d8	10.846	136	16861	0.400	ng		0.00
13) Acenaphthene-d10	14.662	164	9595	0.400	ng		0.01
19) Phenanthrene-d10	17.393	188	20427	0.400	ng		0.00
29) Chrysene-d12	21.578	240	13870	0.400	ng		0.00
35) Perylene-d12	24.072	264	11957	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.564	112	5972	0.396	ng		0.00
5) Phenol-d6	7.174	99	7157	0.396	ng		0.00
8) Nitrobenzene-d5	9.191	82	5297	0.375	ng		0.00
11) 2-Methylnaphthalene-d10	12.426	152	9566	0.398	ng		0.00
14) 2,4,6-Tribromophenol	16.164	330	603	0.311	ng		0.01
15) 2-Fluorobiphenyl	13.293	172	16012	0.404	ng		0.01
27) Fluoranthene-d10	19.425	212	18741	0.405	ng		0.00
31) Terphenyl-d14	20.015	244	12360	0.407	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.397	88	2885	0.424	ng		97
3) n-Nitrosodimethylamine	3.744	42	2479	0.338	ng	#	81
6) bis(2-Chloroethyl)ether	7.441	93	8114	0.436	ng		96
9) Naphthalene	10.889	128	18469	0.400	ng		99
10) Hexachlorobutadiene	11.177	225	3239	0.405	ng	#	96
12) 2-Methylnaphthalene	12.498	142	12502	0.394	ng		99
16) Acenaphthylene	14.384	152	17932	0.396	ng		99
17) Acenaphthene	14.715	154	12101	0.406	ng		99
18) Fluorene	15.693	166	16211	0.411	ng		99
20) 4,6-Dinitro-2-methylph...	15.804	198	673	0.357	ng		84
21) 4-Bromophenyl-phenylether	16.586	248	4665	0.402	ng		96
22) Hexachlorobenzene	16.710	284	4377	0.413	ng		99
23) Atrazine	16.859	200	3647	0.394	ng	#	90
24) Pentachlorophenol	17.120	266	13	0.375	ng	#	12
25) Phenanthrene	17.443	178	25300	0.407	ng		99
26) Anthracene	17.530	178	21985	0.391	ng		100
28) Fluoranthene	19.453	202	27311	0.403	ng		100
30) Pyrene	19.816	202	27711	0.410	ng		99
32) Benzo(a)anthracene	21.560	228	21021	0.407	ng		99
33) Chrysene	21.614	228	22521	0.402	ng		99
34) Bis(2-ethylhexyl)phtha...	21.480	149	12553	0.399	ng	#	98
36) Indeno(1,2,3-cd)pyrene	26.674	276	17464	0.381	ng	#	63
37) Benzo(b)fluoranthene	23.306	252	18992	0.417	ng		96
38) Benzo(k)fluoranthene	23.358	252	19099	0.403	ng		97
39) Benzo(a)pyrene	23.961	252	17892	0.411	ng		95
40) Dibenzo(a,h)anthracene	26.697	278	13889	0.383	ng		99
41) Benzo(g,h,i)perylene	27.478	276	16021	0.387	ng		97

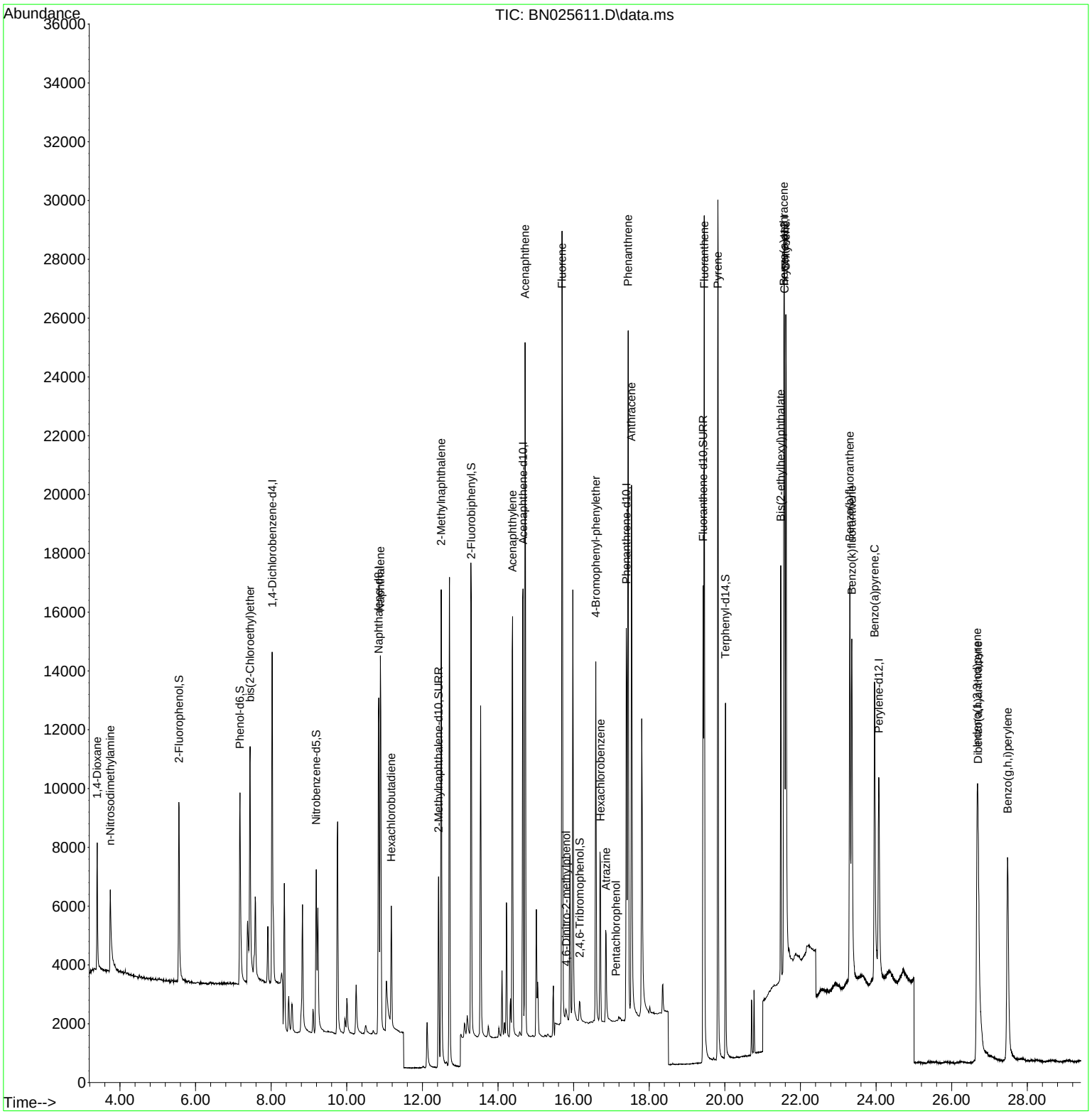
(#) = qualifier out of range (m) = manual integration (+) = signals summed

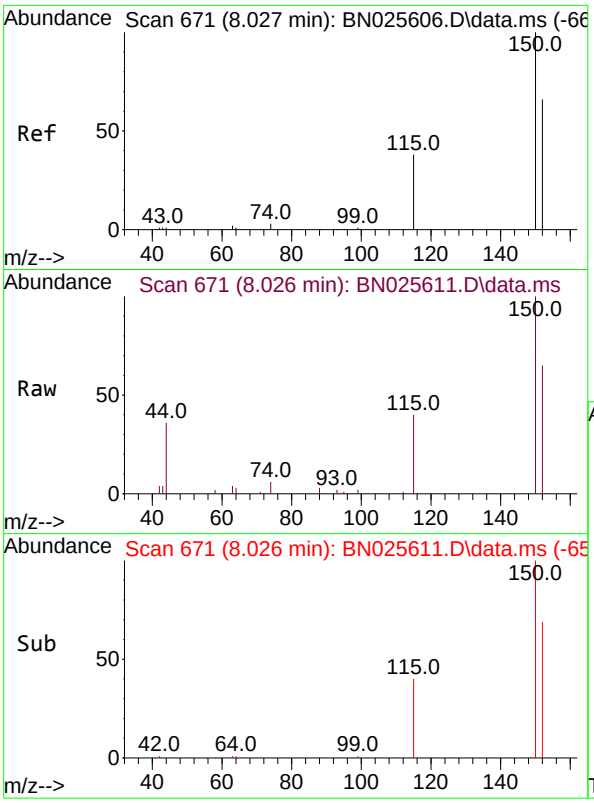
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052623\
Data File : BN025611.D
Acq On : 26 May 2023 16:29
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Quant Time: May 27 03:53:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 27 03:51:06 2023
Response via : Initial Calibration



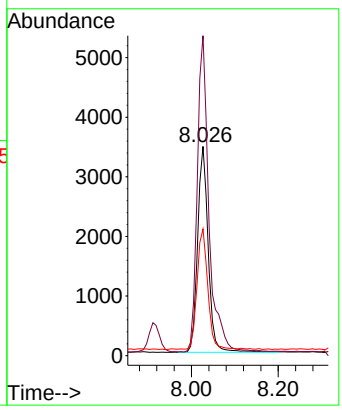


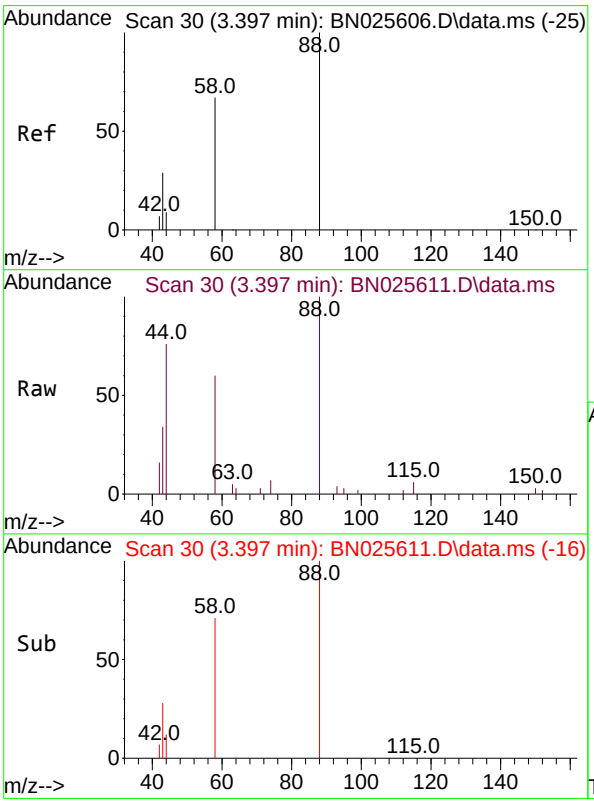
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.026 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:152 Resp: 5882

Ion	Ratio	Lower	Upper
152	100		
150	152.9	121.0	181.6
115	60.6	48.5	72.7

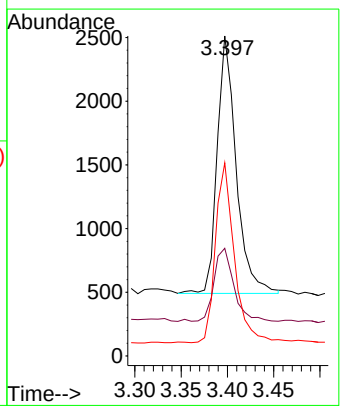


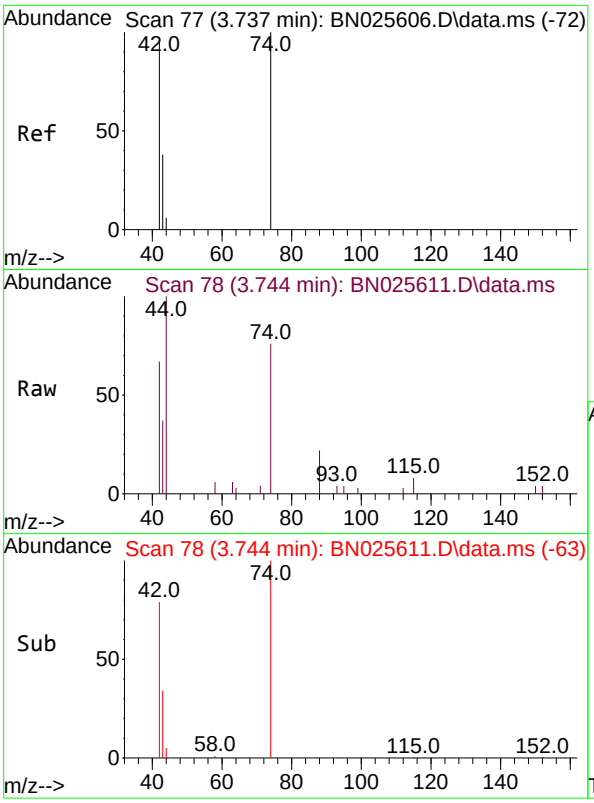


#2
1,4-Dioxane
Concen: 0.424 ng
RT: 3.397 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion: 88 Resp: 2885

Ion	Ratio	Lower	Upper
88	100		
43	29.8	26.5	39.7
58	69.0	56.8	85.2



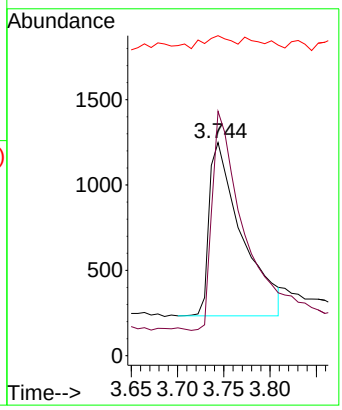


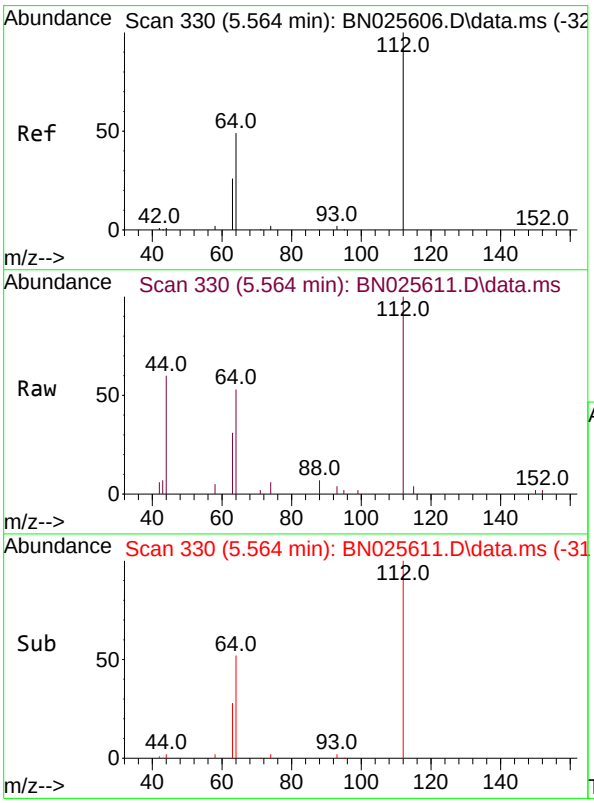
#3
n-Nitrosodimethylamine
Concen: 0.338 ng
RT: 3.744 min Scan# 7
Delta R.T. 0.007 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion: 42 Resp: 2479

Ion	Ratio	Lower	Upper
42	100		
74	122.1	82.2	123.2
44	6.1	0.0	0.0#

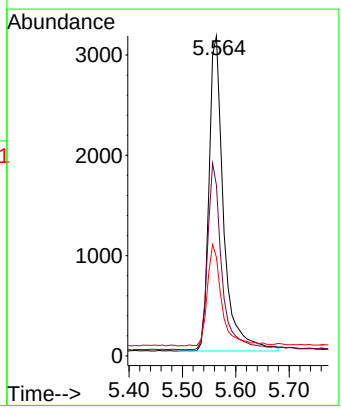


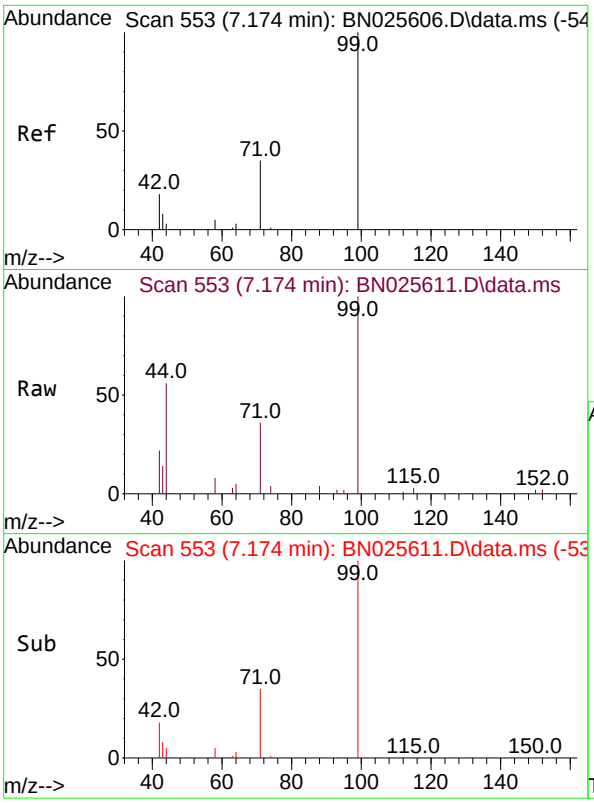


#4
2-Fluorophenol
Concen: 0.396 ng
RT: 5.564 min Scan# 330
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:112 Resp: 5972

Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.7	68.5
63	32.3	26.2	39.2



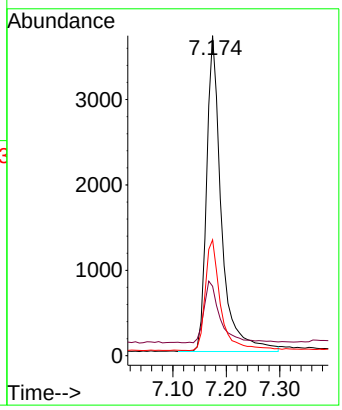


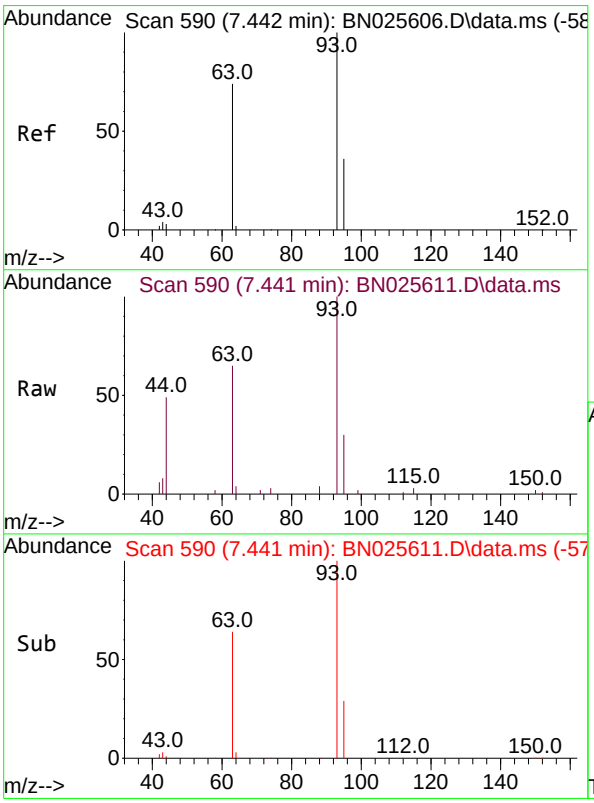
#5
Phenol-d6
Concen: 0.396 ng
RT: 7.174 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion: 99 Resp: 7157

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.1	25.7
71	36.4	29.3	43.9

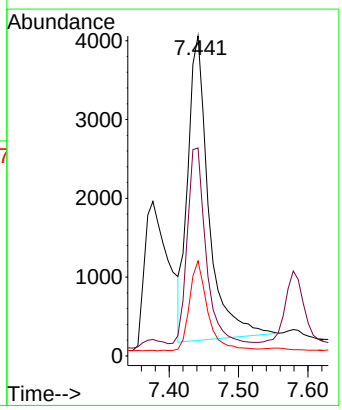


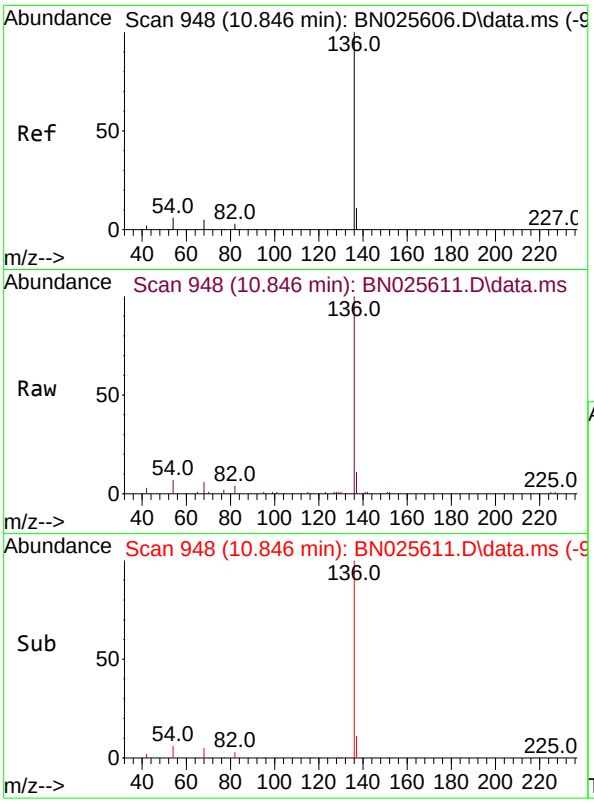


#6
bis(2-Chloroethyl)ether
Concen: 0.436 ng
RT: 7.441 min Scan# 590
Delta R.T. -0.001 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion: 93 Resp: 8114

Ion	Ratio	Lower	Upper
93	100		
63	58.2	49.1	73.7
95	25.9	22.6	33.8



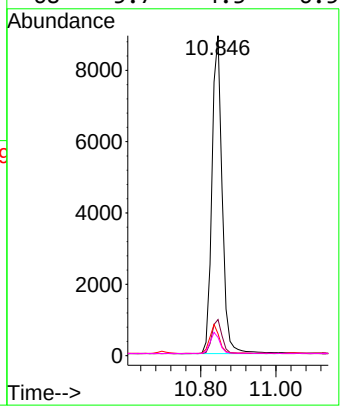


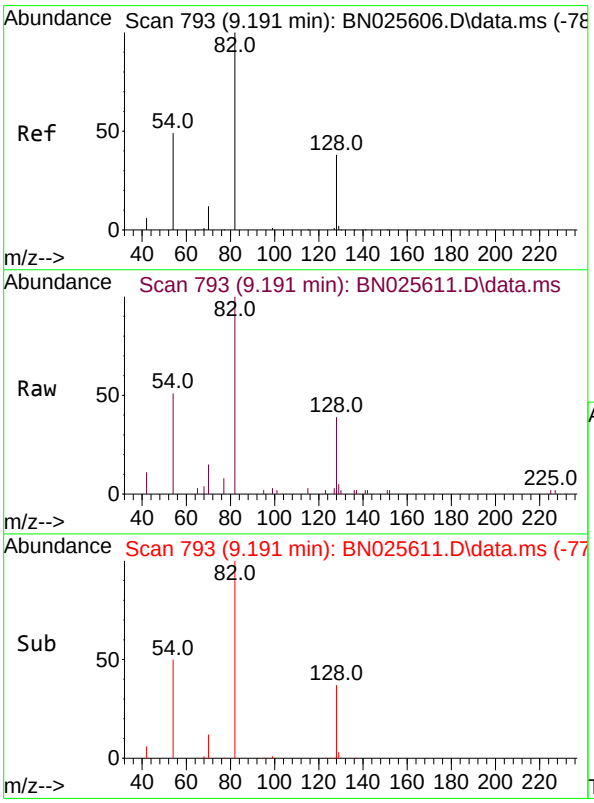
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.846 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:136 Resp: 16861

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.9	5.4	8.0
68	5.7	4.3	6.5

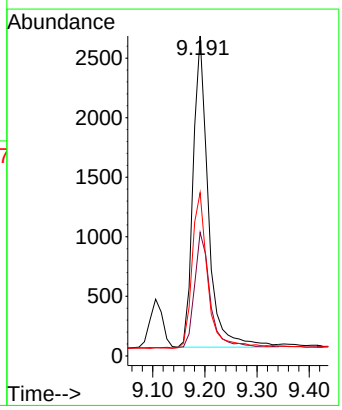


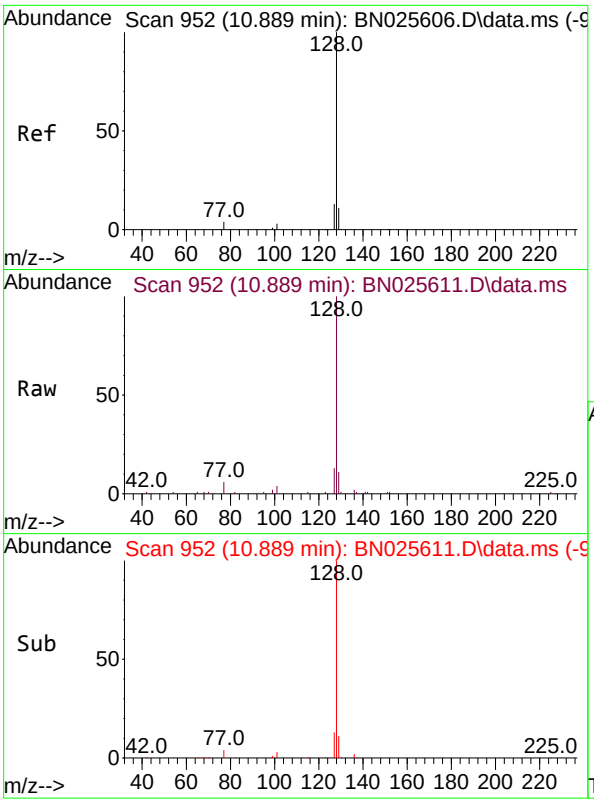


#8
Nitrobenzene-d5
Concen: 0.375 ng
RT: 9.191 min Scan# 793
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion: 82 Resp: 5297

Ion	Ratio	Lower	Upper
82	100		
128	38.6	32.5	48.7
54	51.0	40.6	60.8



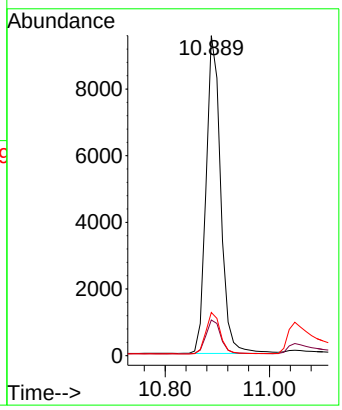


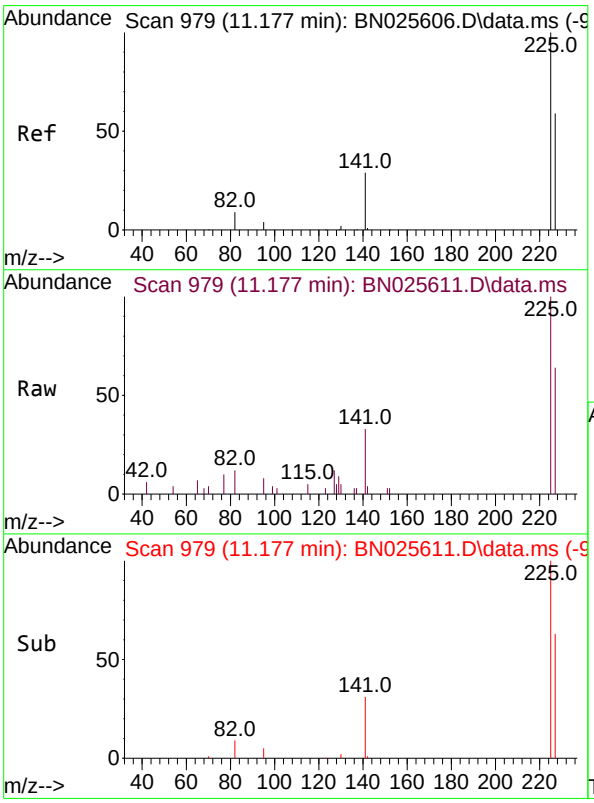
#9
Naphthalene
Concen: 0.400 ng
RT: 10.889 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:128 Resp: 18469

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.5	11.0	16.6

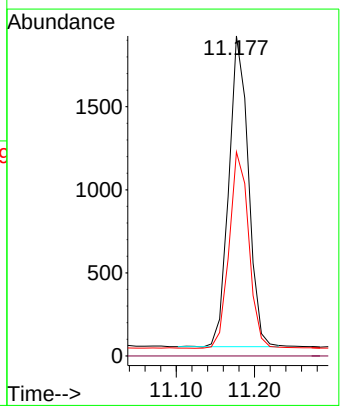


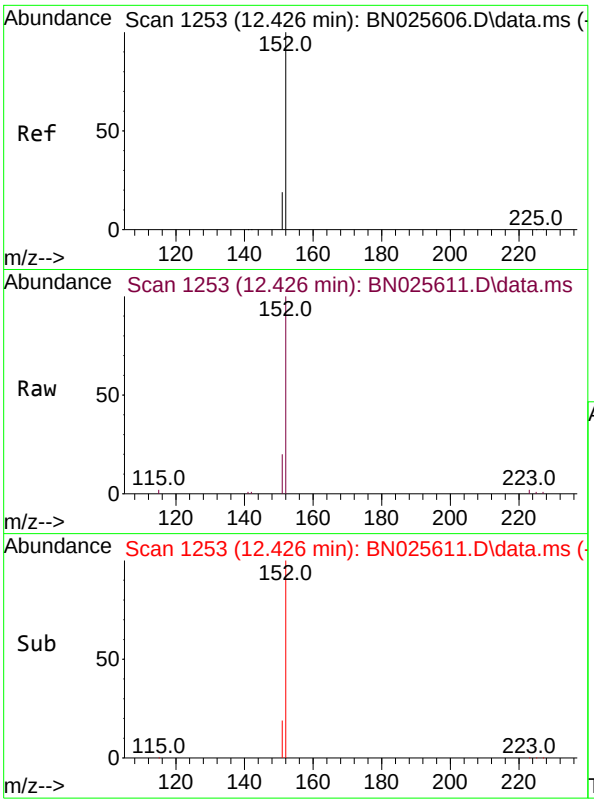


#10
Hexachlorobutadiene
Concen: 0.405 ng
RT: 11.177 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:225 Resp: 3239

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	48.4	72.6



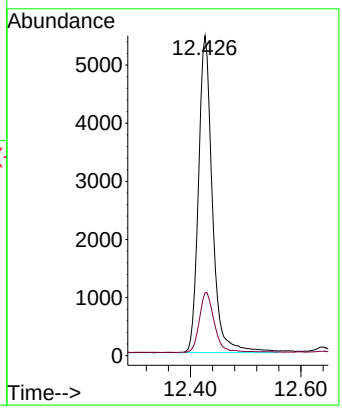


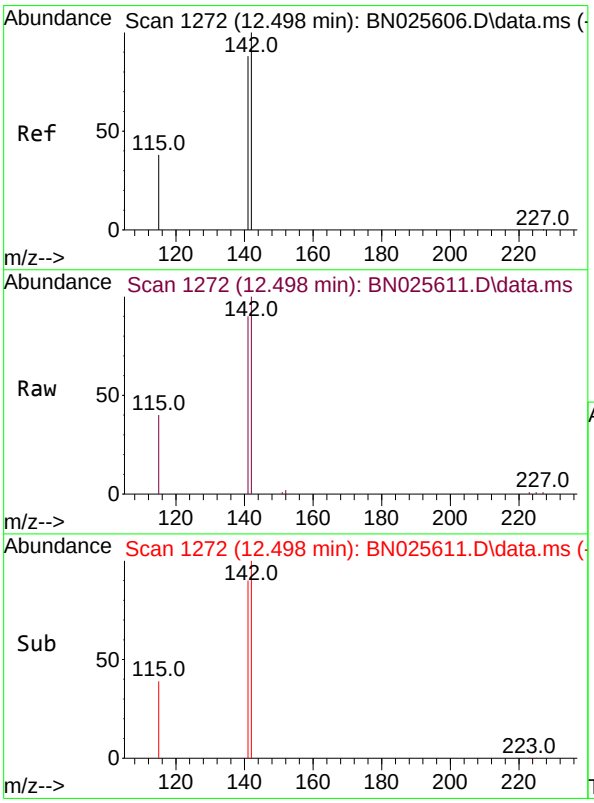
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 12.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:152 Resp: 9566

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1

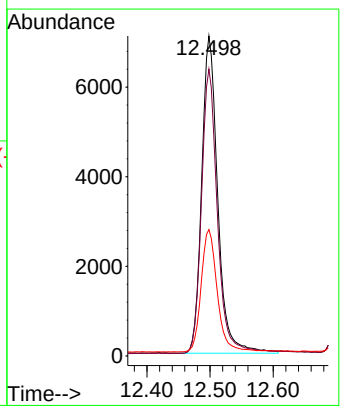


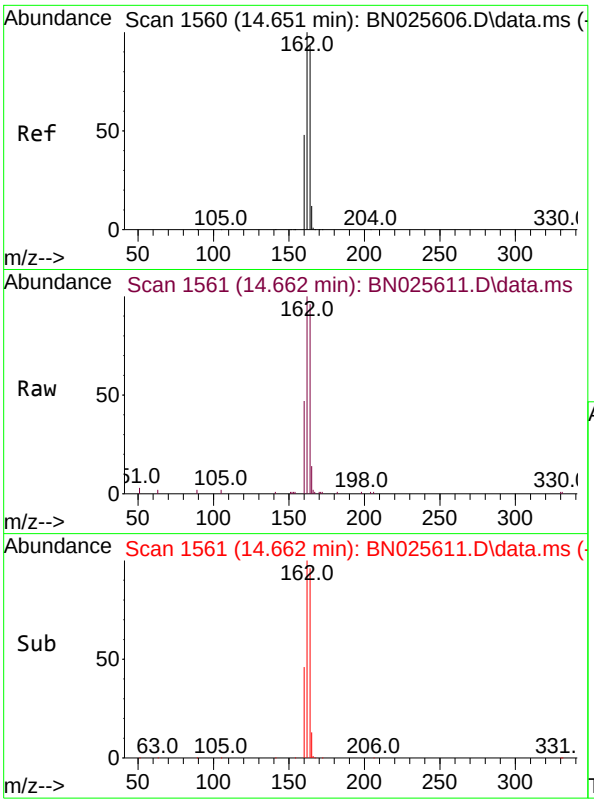


#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 12.498 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:142 Resp: 12502

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.7	106.1
115	39.5	31.5	47.3



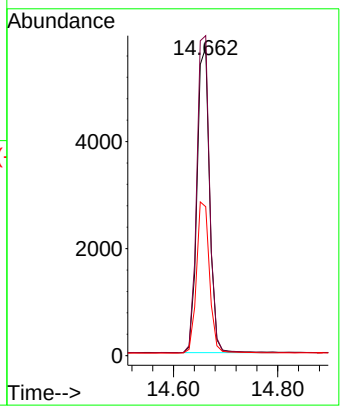


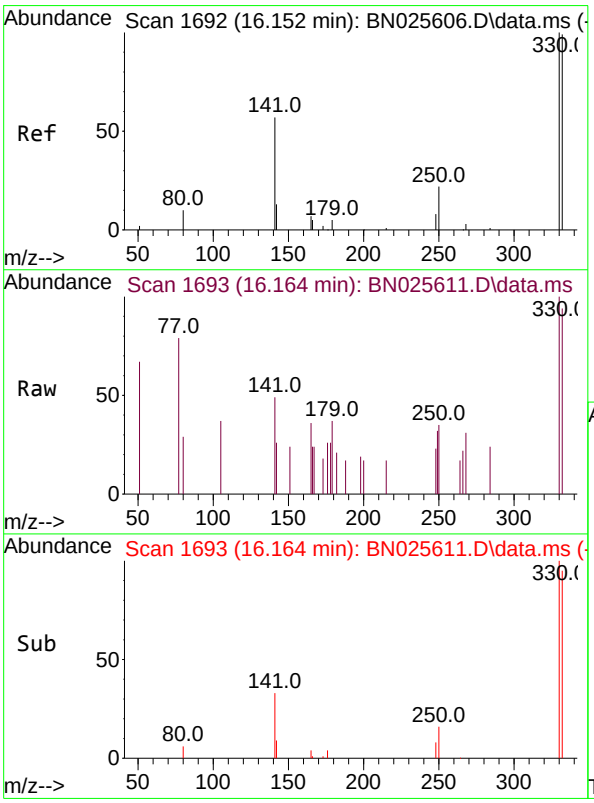
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.662 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:164 Resp: 9595

Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.4	129.6
160	48.3	41.9	62.9

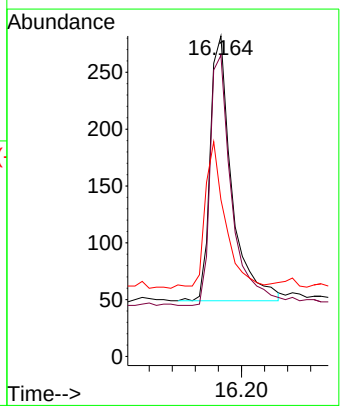


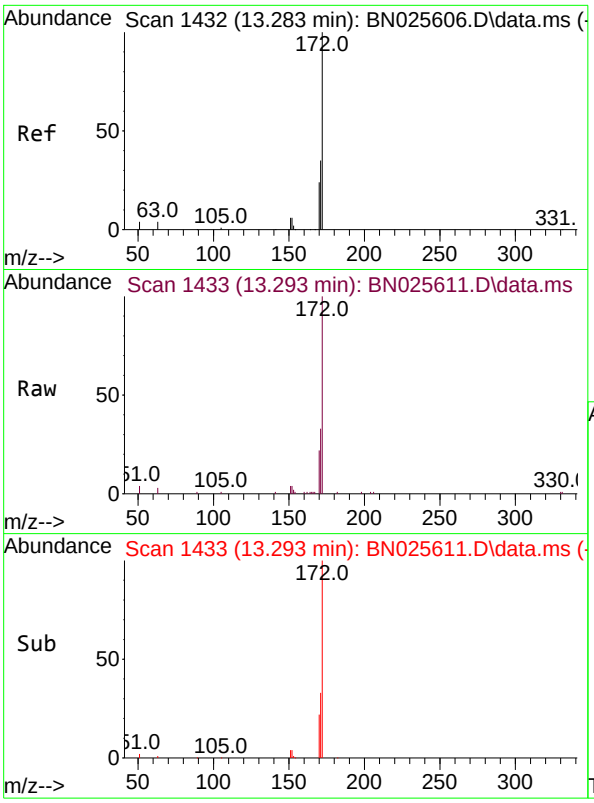


#14
2,4,6-Tribromophenol
Concen: 0.311 ng
RT: 16.164 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:330 Resp: 603

Ion	Ratio	Lower	Upper
330	100		
332	94.9	80.0	120.0
141	48.6	45.8	68.6



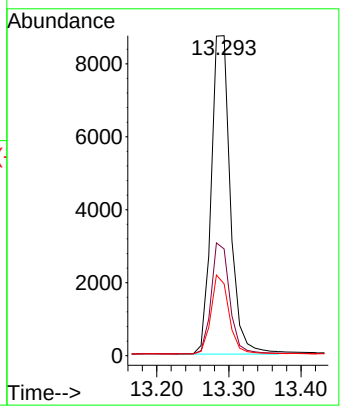


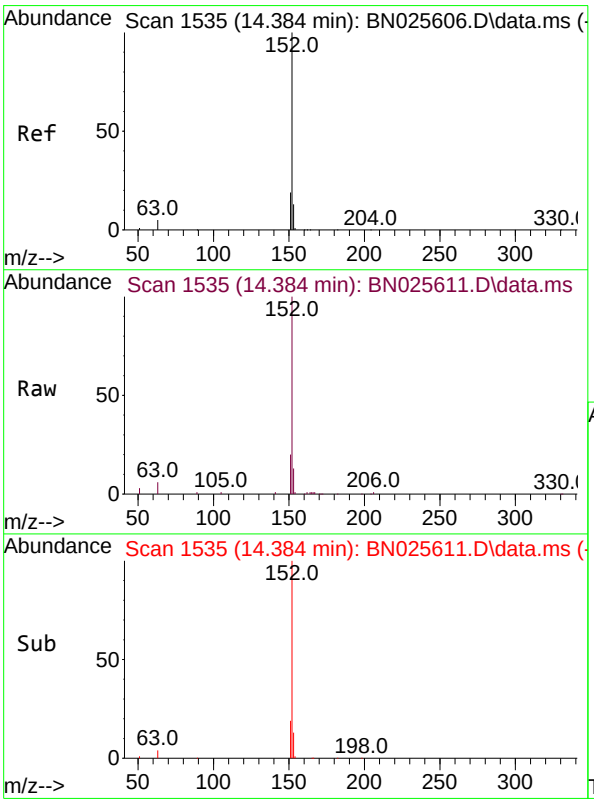
#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 13.293 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:172 Resp: 16012

Ion	Ratio	Lower	Upper
172	100		
171	33.4	28.6	42.8
170	22.5	19.7	29.5

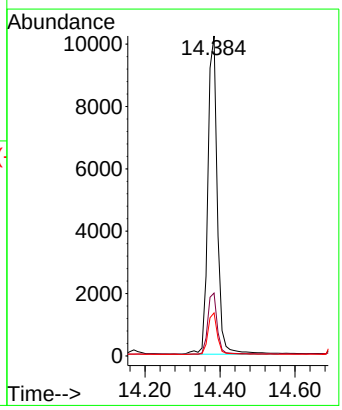


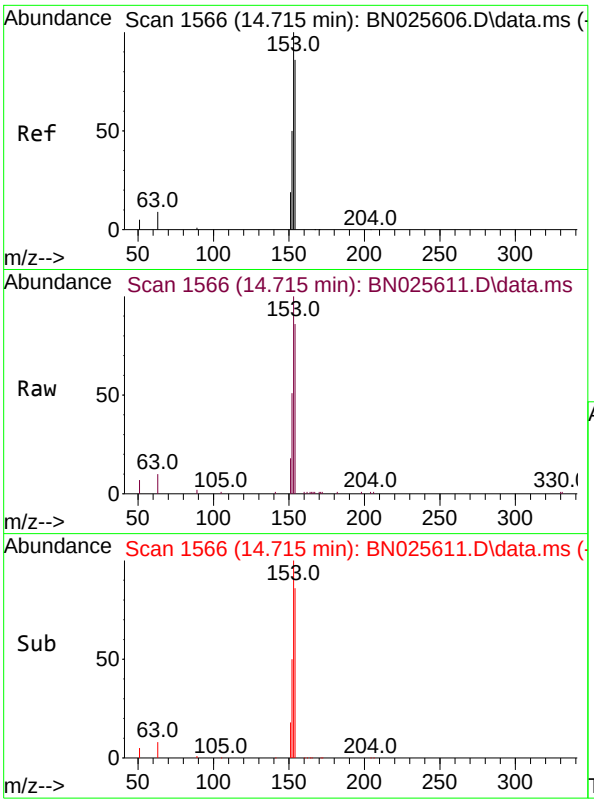


#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.384 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:152 Resp: 17932

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.1	10.6	15.8



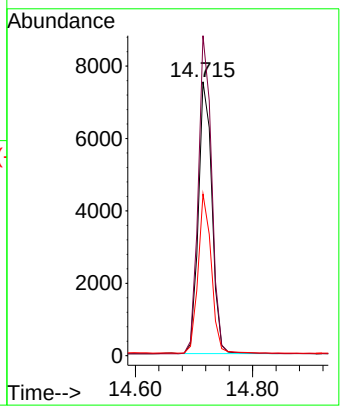


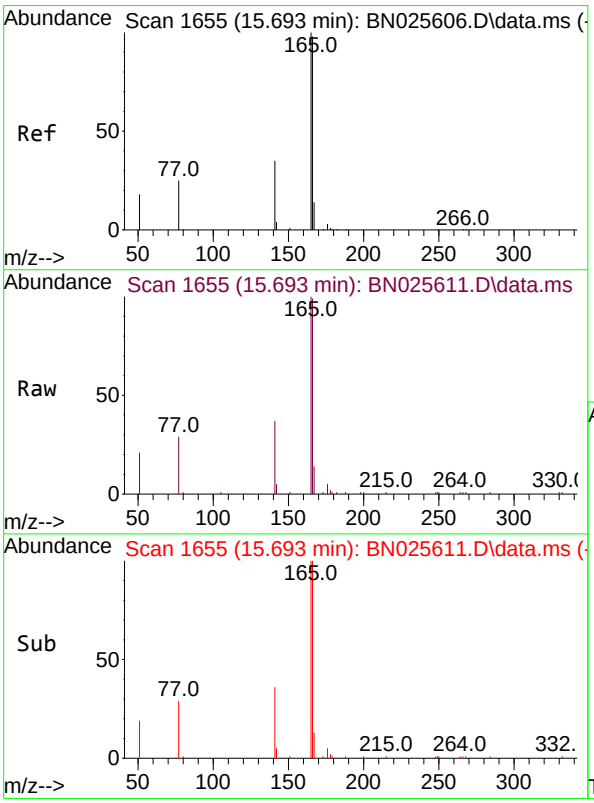
#17
Acenaphthene
Concen: 0.406 ng
RT: 14.715 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:154 Resp: 12101

Ion	Ratio	Lower	Upper
154	100		
153	116.1	91.9	137.9
152	57.3	45.4	68.2

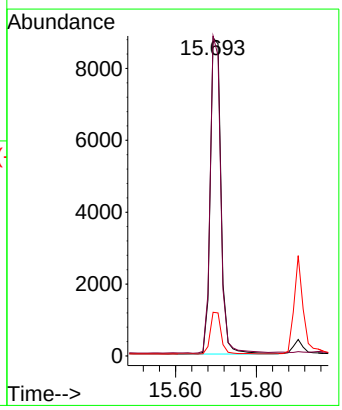


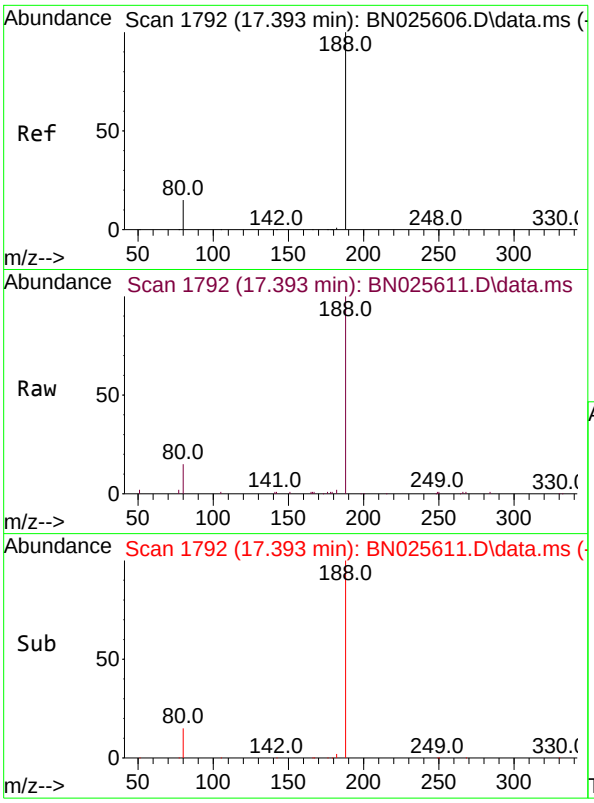


#18
Fluorene
Concen: 0.411 ng
RT: 15.693 min Scan# 1655
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:166 Resp: 16211

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.3	118.9
167	13.3	10.7	16.1



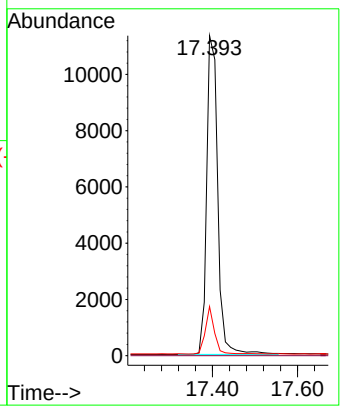


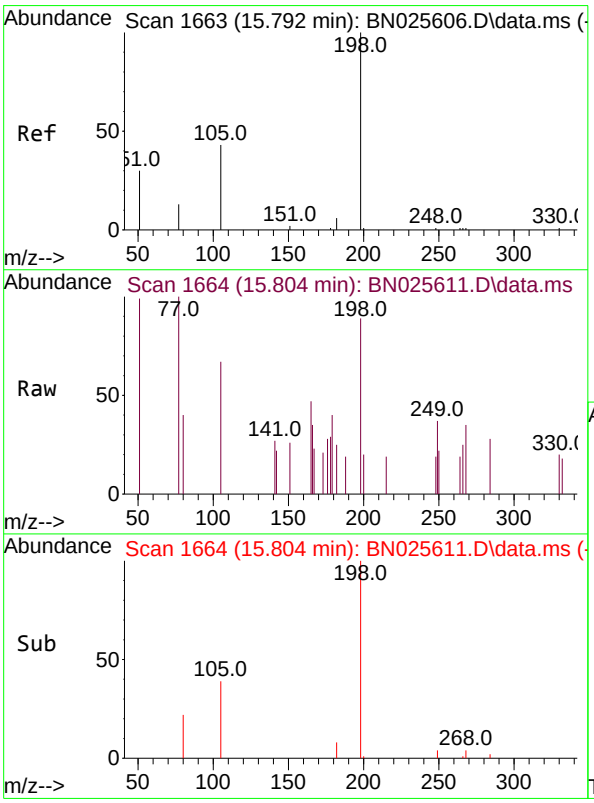
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:188 Resp: 20427

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.4	12.2	18.2

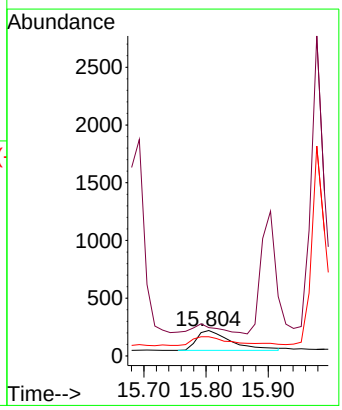


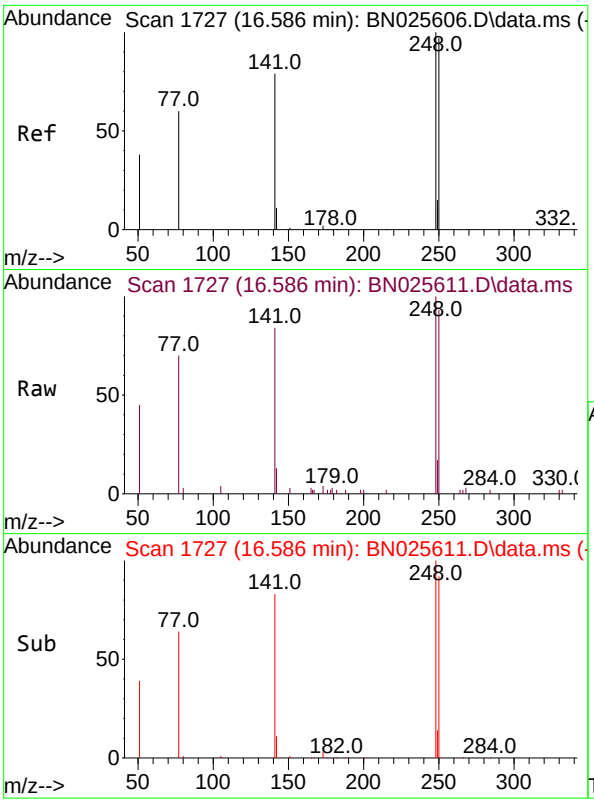


#20
4,6-Dinitro-2-methylphenol
Concen: 0.357 ng
RT: 15.804 min Scan# 1664
Delta R.T. 0.012 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:198 Resp: 673

Ion	Ratio	Lower	Upper
198	100		
51	110.9	110.8	166.2
105	75.1	61.9	92.9



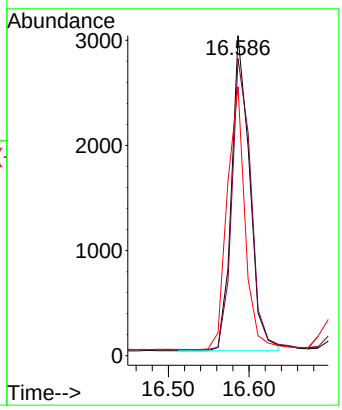


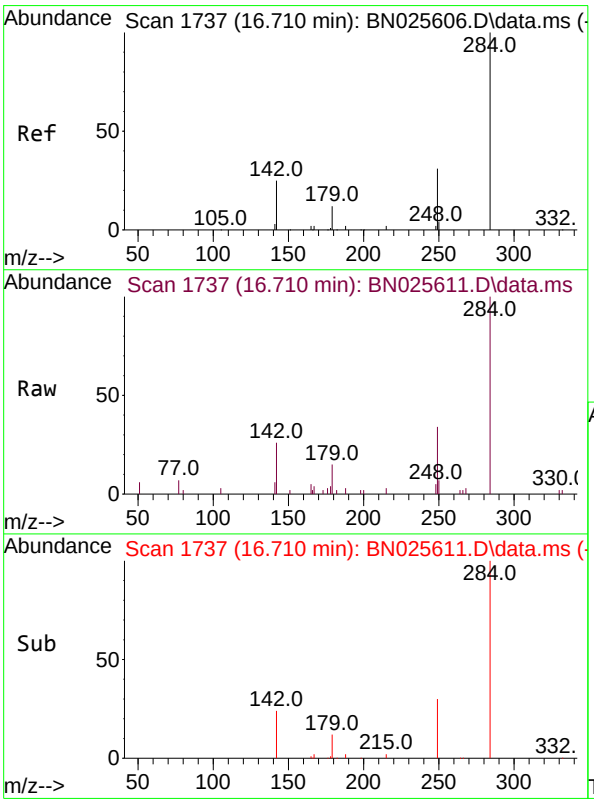
#21
4-Bromophenyl-phenylether
Concen: 0.402 ng
RT: 16.586 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:248 Resp: 4665

Ion	Ratio	Lower	Upper
248	100		
250	92.9	77.5	116.3
141	84.1	64.0	96.0

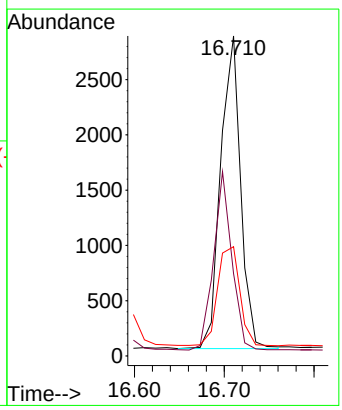


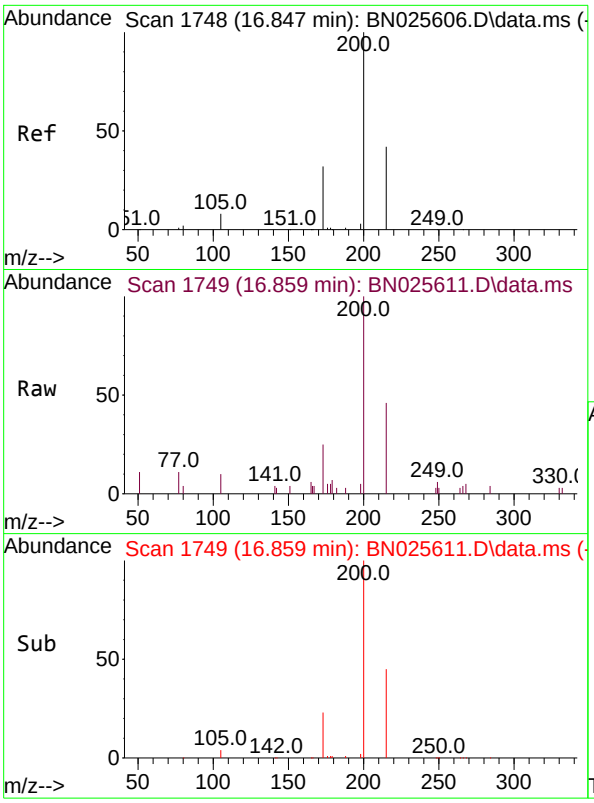


#22
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.710 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:284 Resp: 4377

Ion	Ratio	Lower	Upper
284	100		
142	51.7	42.0	63.0
249	35.3	28.6	43.0



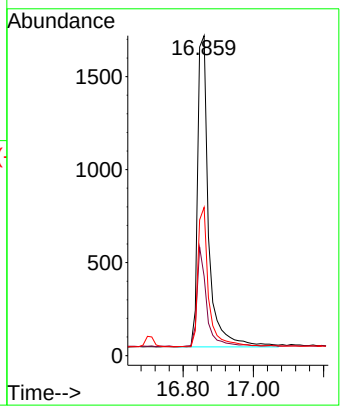


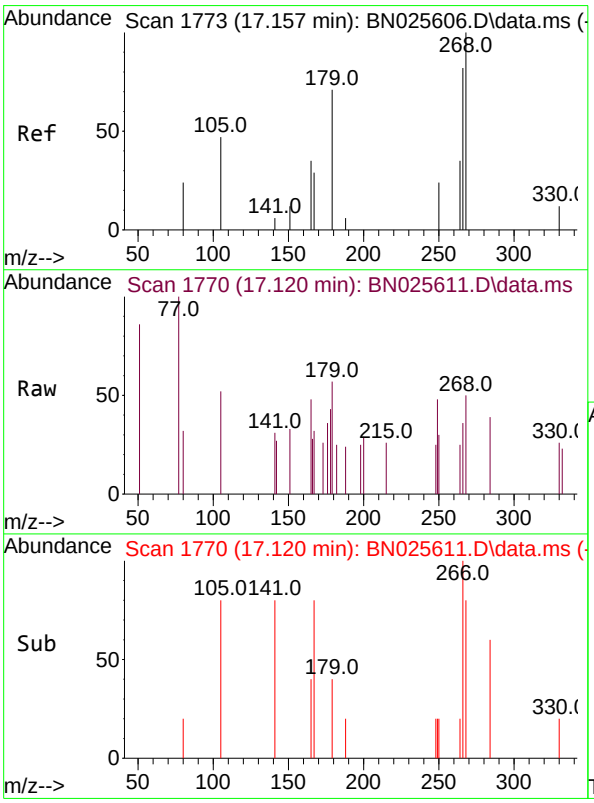
#23
Atrazine
Concen: 0.394 ng
RT: 16.859 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:200 Resp: 3647

Ion	Ratio	Lower	Upper
200	100		
173	24.8	27.9	41.9#
215	46.3	35.1	52.7

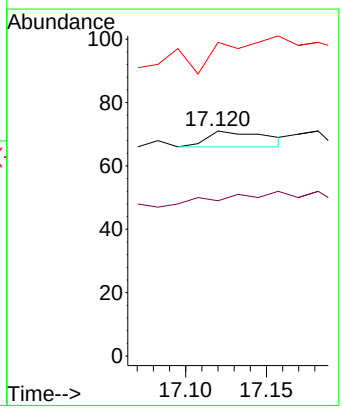


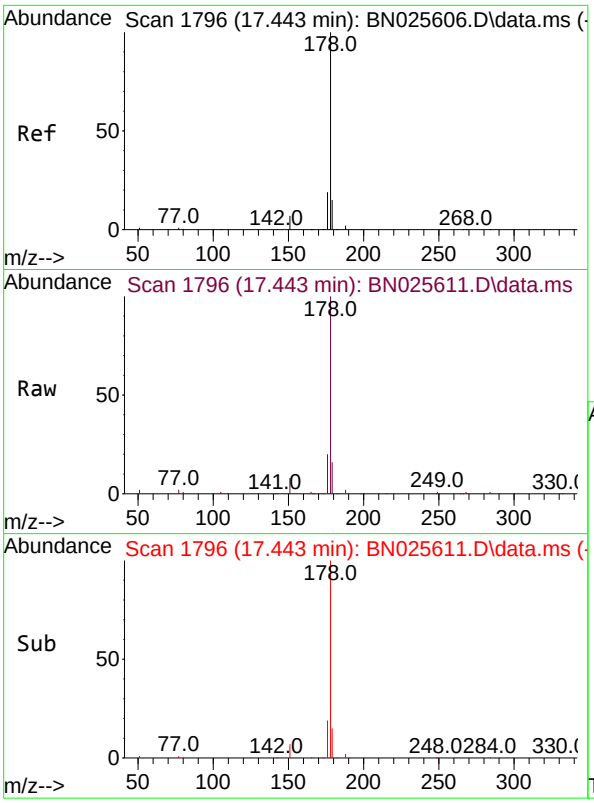


#24
Pentachlorophenol
Concen: 0.375 ng
RT: 17.120 min Scan# 1770
Delta R.T. -0.037 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:266 Resp: 13

Ion	Ratio	Lower	Upper
266	100		
264	0.0	60.0	90.0#
268	0.0	0.0	0.0



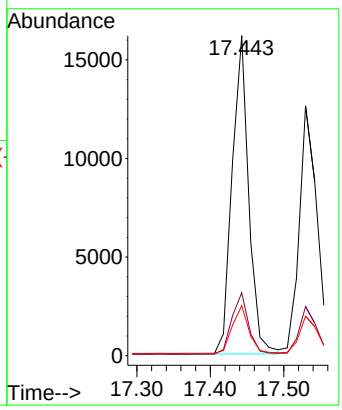


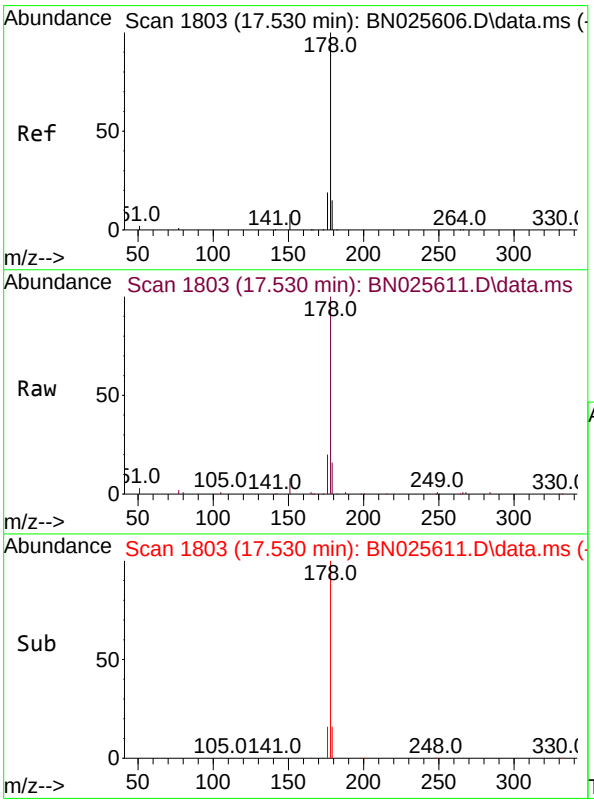
#25
Phenanthrene
Concen: 0.407 ng
RT: 17.443 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:178 Resp: 25300

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.1	12.6	19.0

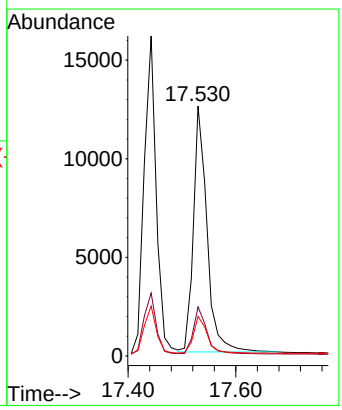


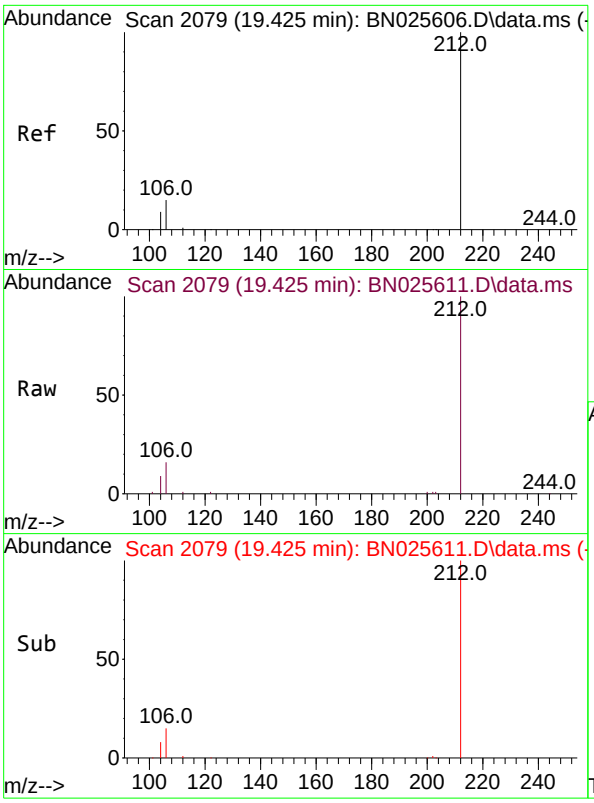


#26
Anthracene
Concen: 0.391 ng
RT: 17.530 min Scan# 1803
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:178 Resp: 21985

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.2	12.2	18.2



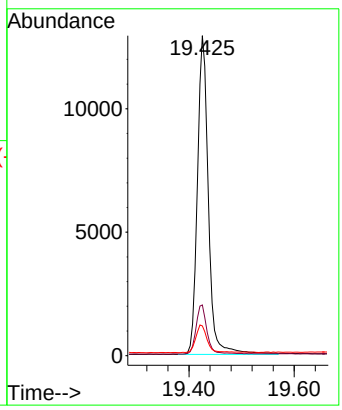


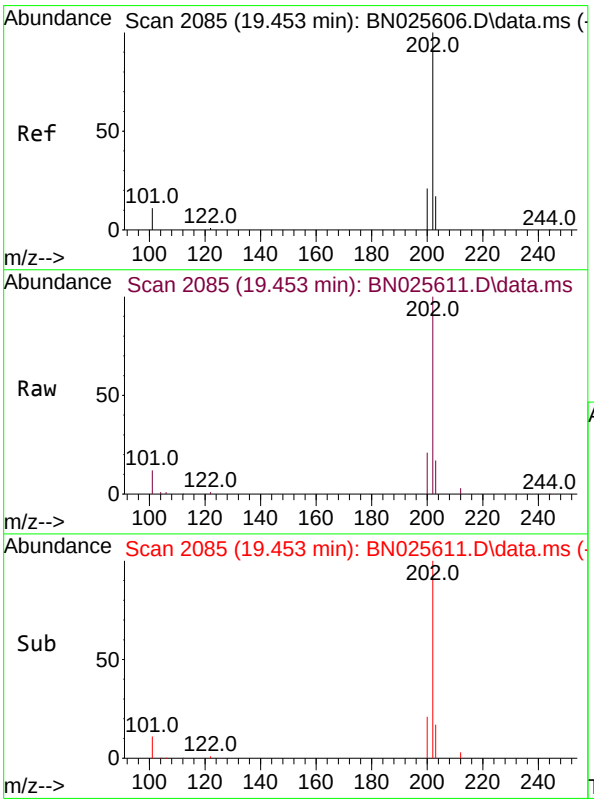
#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 19.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:212 Resp: 18741

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.3	18.5
104	8.9	7.2	10.8

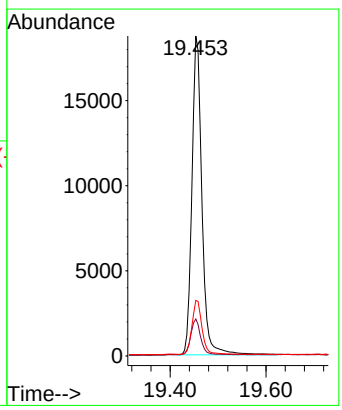


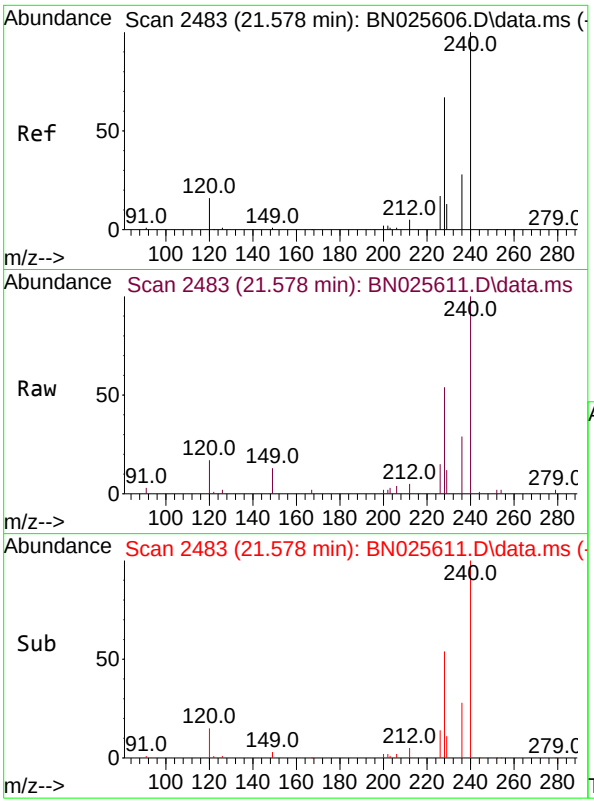


#28
Fluoranthene
Concen: 0.403 ng
RT: 19.453 min Scan# 2085
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:202 Resp: 27311

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.2	13.8
203	16.8	13.3	19.9



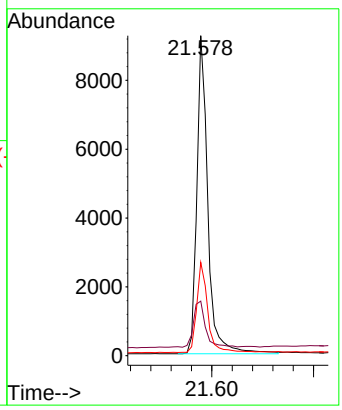


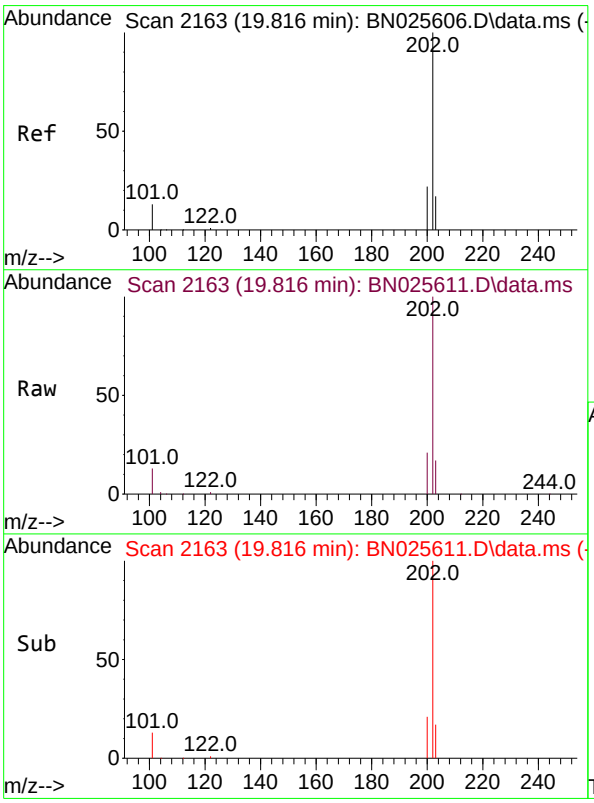
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:240 Resp: 13870

Ion	Ratio	Lower	Upper
240	100		
120	17.1	15.4	23.0
236	29.1	23.2	34.8

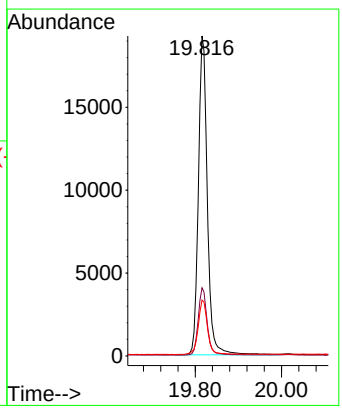


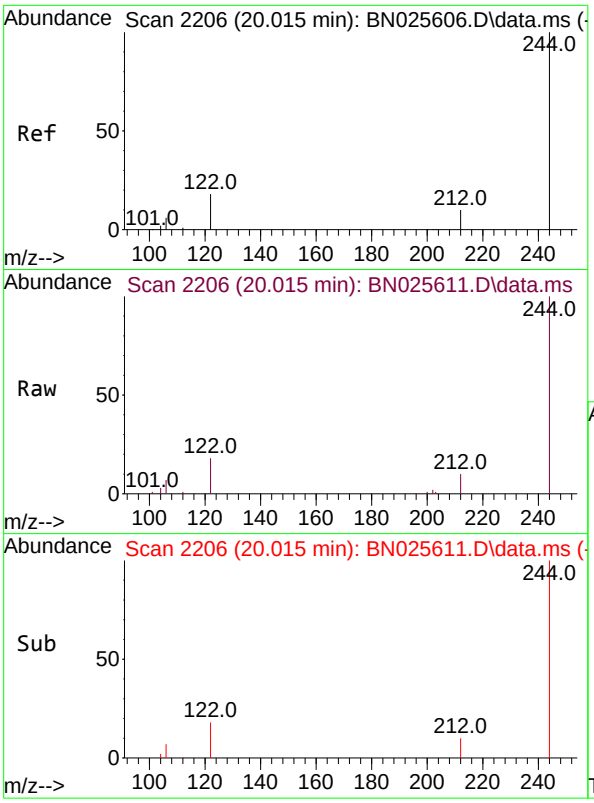


#30
Pyrene
Concen: 0.410 ng
RT: 19.816 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:202 Resp: 27711

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.6	14.5	21.7



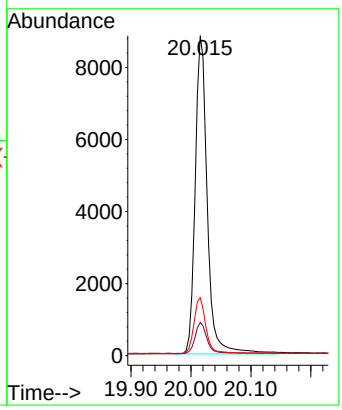


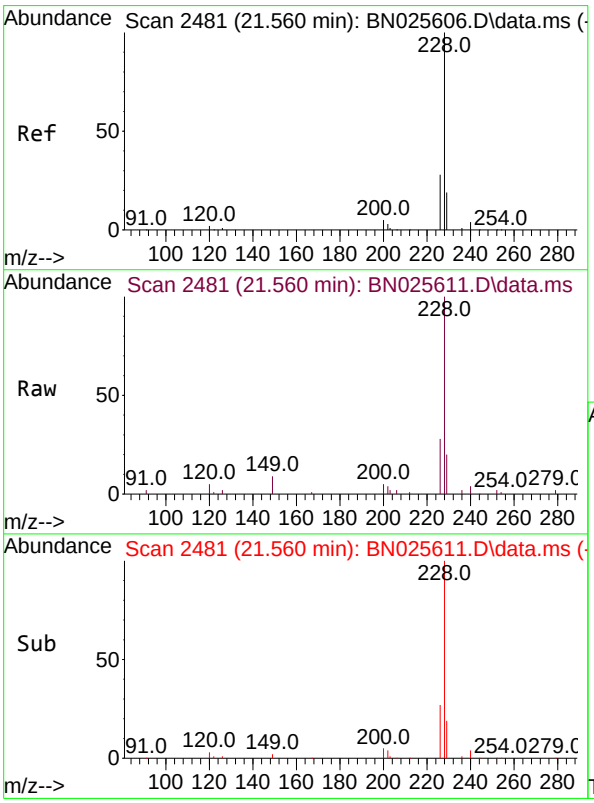
#31
Terphenyl-d14
Concen: 0.407 ng
RT: 20.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:244 Resp: 12360

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.5	12.7
122	18.1	14.9	22.3

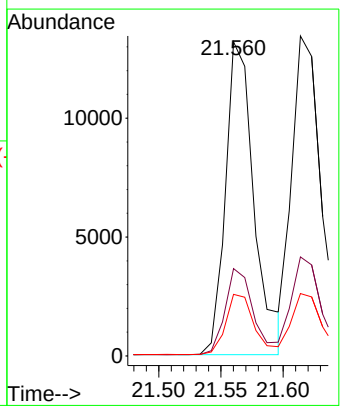


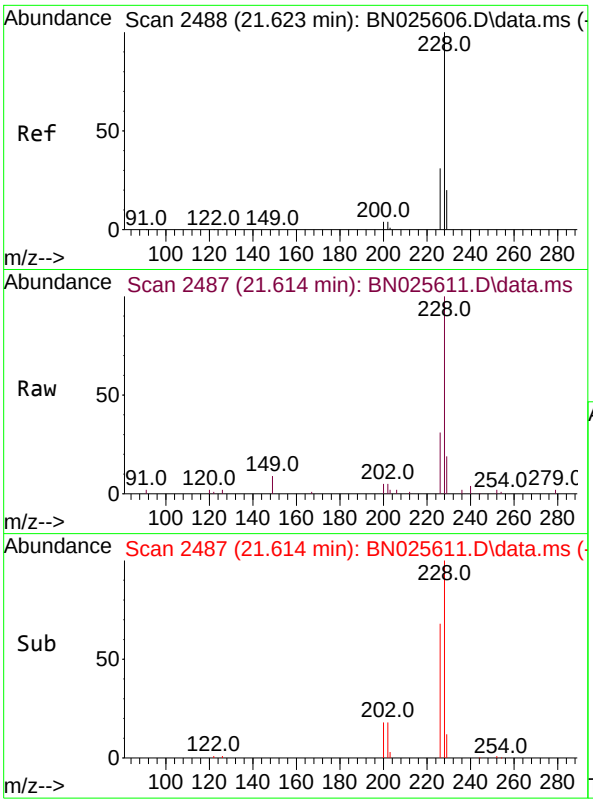


#32
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.560 min Scan# 2481
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:228 Resp: 21021

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.9	34.3
229	19.6	15.9	23.9



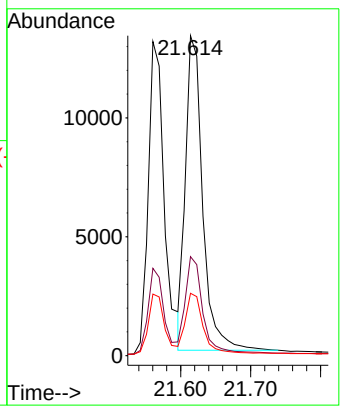


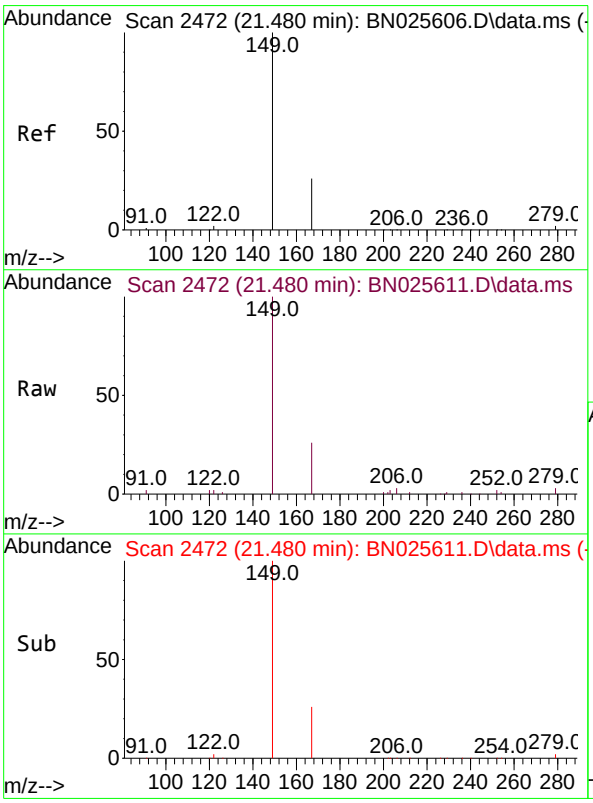
#33
Chrysene
Concen: 0.402 ng
RT: 21.614 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:228 Resp: 22521

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	19.5	16.2	24.4

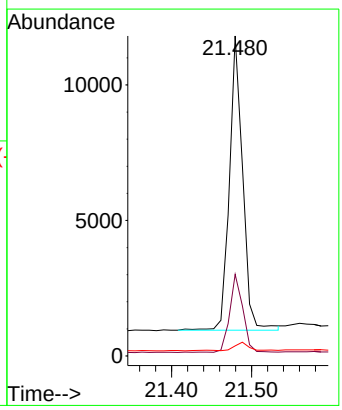


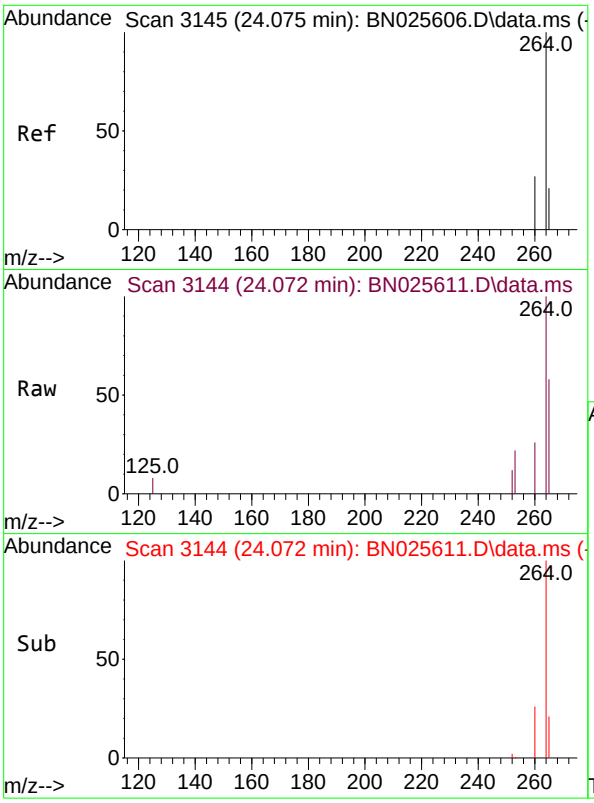


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.399 ng
RT: 21.480 min Scan# 2472
Delta R.T. -0.000 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:149 Resp: 12553

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.4	30.6
279	2.8	3.3	4.9#



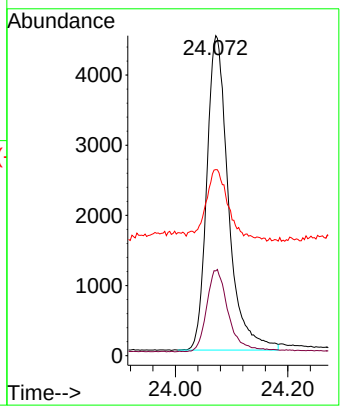


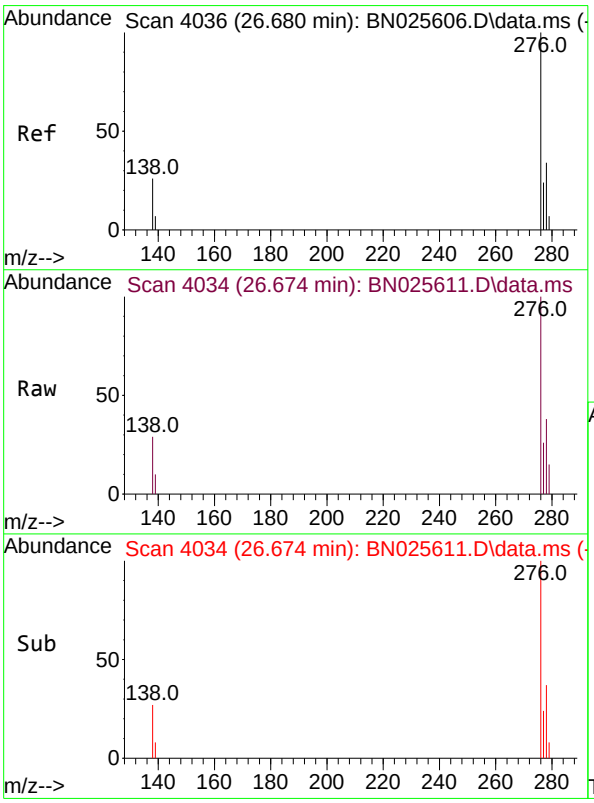
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.072 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:264 Resp: 11957

Ion	Ratio	Lower	Upper
264	100		
260	26.5	22.3	33.5
265	58.1	54.3	81.5

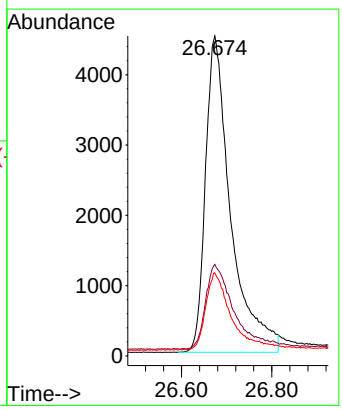


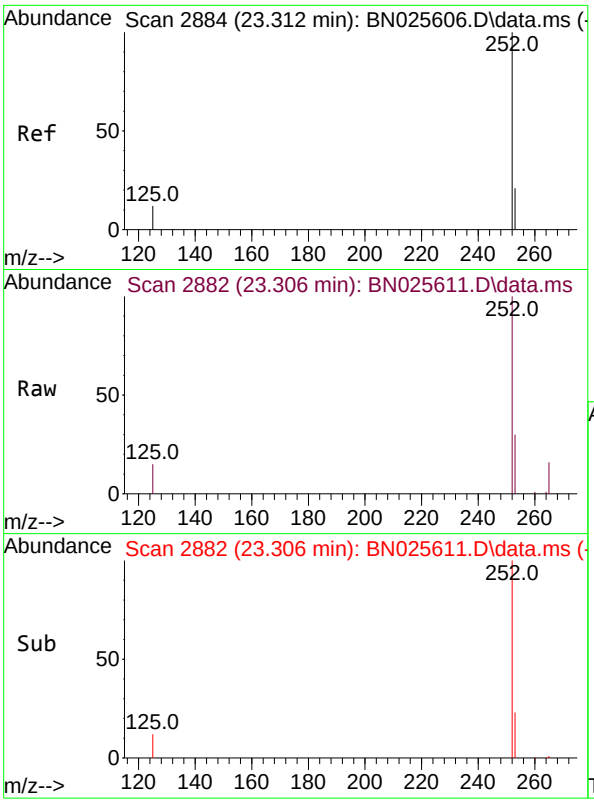


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 26.674 min Scan# 4034
Delta R.T. -0.006 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:276 Resp: 17464

Ion	Ratio	Lower	Upper
276	100		
138	29.4	10.5	15.7#
277	24.3	9.2	13.8#



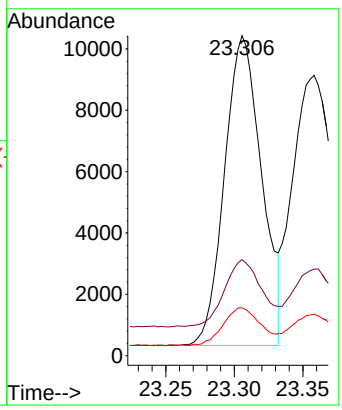


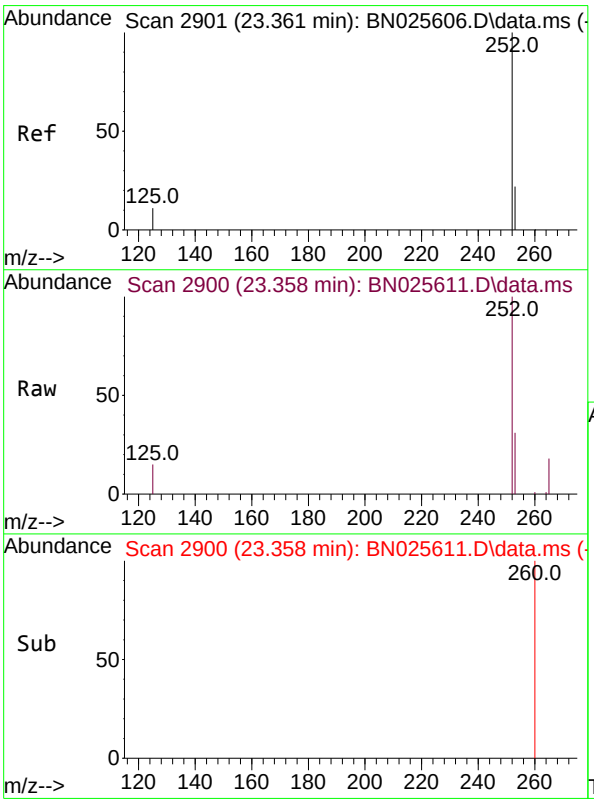
#37
Benzo(b)fluoranthene
Concen: 0.417 ng
RT: 23.306 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:252 Resp: 18992

Ion	Ratio	Lower	Upper
252	100		
253	30.0	26.2	39.4
125	15.0	12.9	19.3

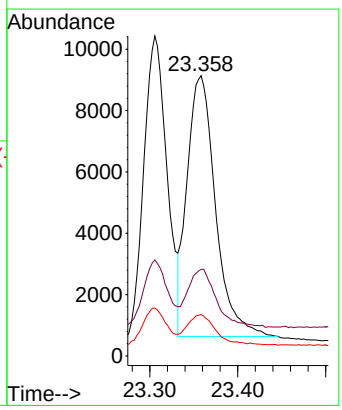


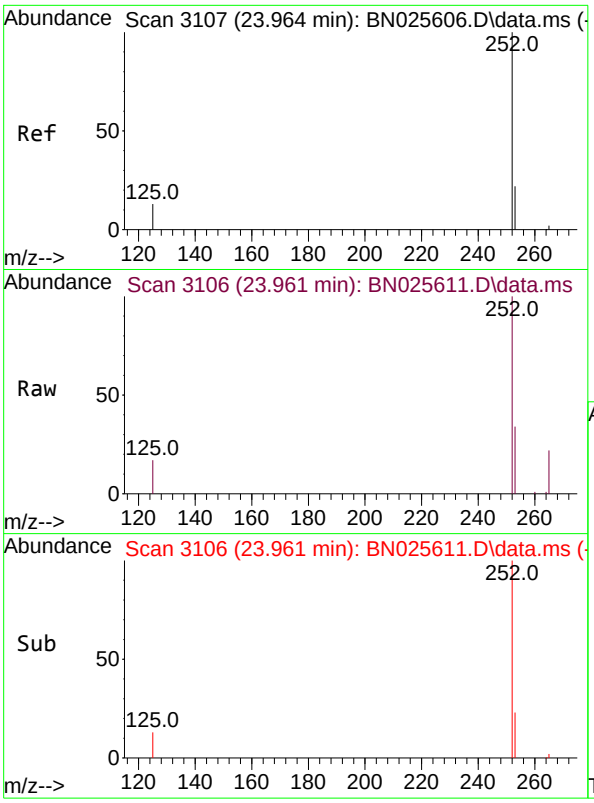


#38
Benzo(k)fluoranthene
Concen: 0.403 ng
RT: 23.358 min Scan# 2900
Delta R.T. -0.003 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:252 Resp: 19099

Ion	Ratio	Lower	Upper
252	100		
253	30.9	26.1	39.1
125	14.8	12.5	18.7



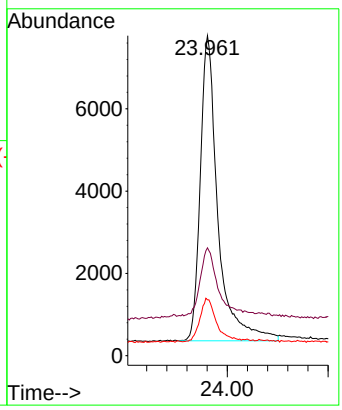


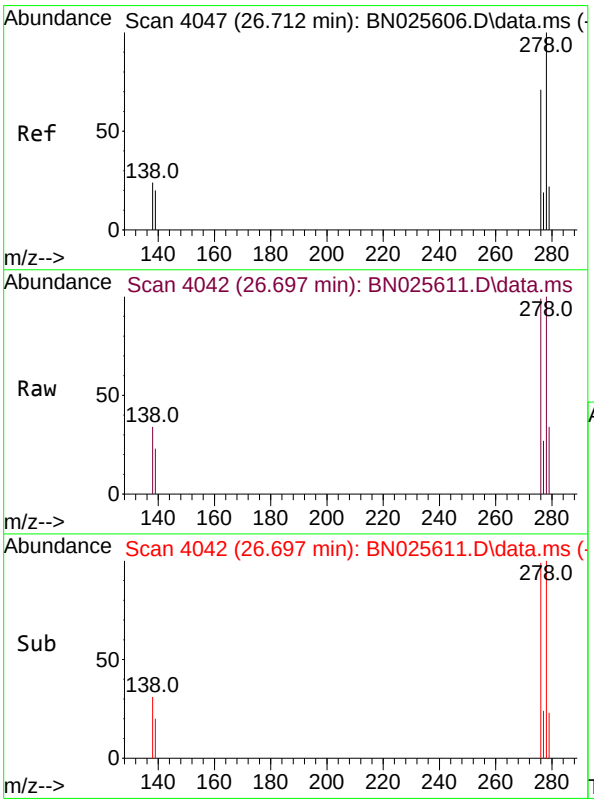
#39
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.961 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:252 Resp: 17892

Ion	Ratio	Lower	Upper
252	100		
253	33.7	30.2	45.2
125	17.4	14.8	22.2

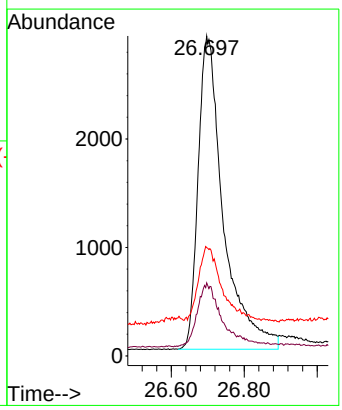


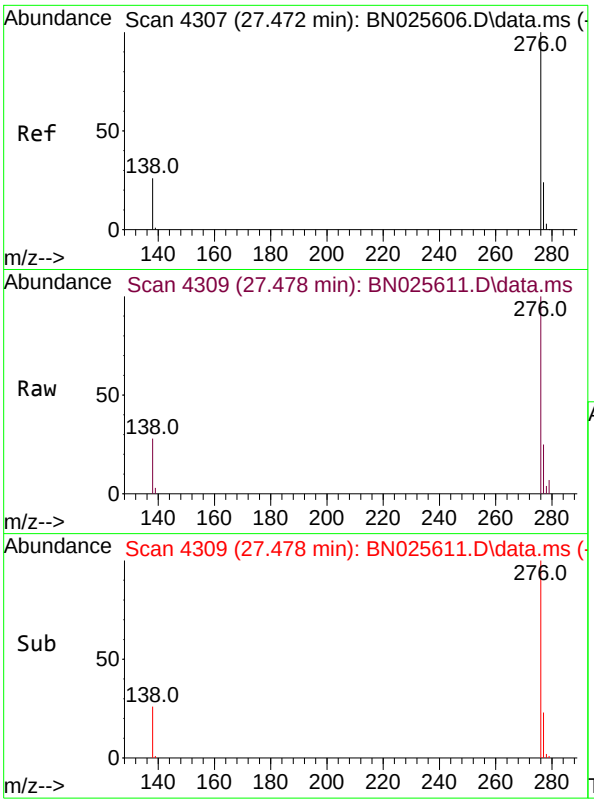


#40
Dibenzo(a,h)anthracene
Concen: 0.383 ng
RT: 26.697 min Scan# 4042
Delta R.T. -0.015 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Tgt Ion:278 Resp: 13889

Ion	Ratio	Lower	Upper
278	100		
139	22.8	18.6	28.0
279	33.9	27.8	41.8





#41
Benzo(g,h,i)perylene
Concen: 0.387 ng
RT: 27.478 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN025611.D
Acq: 26 May 2023 16:29

Instrument :
BNA_N
ClientSampleId :
ICVBN052623

Tgt Ion:276 Resp: 16021

Ion	Ratio	Lower	Upper
276	100		
277	24.8	21.4	32.0
138	27.8	22.8	34.2