Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052623\
Data File : BN025659.D
Acq On : 28 May 2023 00:10
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 29 00:55:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 29 00:47:45 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.019	152	6251	0.400	ng		0.00
7) Naphthalene-d8	10.835	136	18138	0.400	ng		# 0.00
13) Acenaphthene-d10	14.651	164	10773	0.400	ng		0.00
19) Phenanthrene-d10	17.393	188	23238	0.400	ng		# 0.00
29) Chrysene-d12	21.578	240	15484	0.400	ng		# 0.00
35) Perylene-d12	24.054	264	13446	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.557	112	6589	0.411	ng		0.00
5) Phenol-d6	7.174	99	7884	0.411	ng		0.00
8) Nitrobenzene-d5	9.191	82	5859	0.386	ng		0.00
11) 2-Methylnaphthalene-d10	12.423	152	10866	0.420	ng		0.00
14) 2,4,6-Tribromophenol	16.152	330	1145	0.526	ng		0.00
15) 2-Fluorobiphenyl	13.283	172	17751	0.399	ng		0.00
27) Fluoranthene-d10	19.421	212	21637	0.411	ng		0.00
31) Terphenyl-d14	20.015	244	13761	0.406	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.397	88	3041	0.420	ng		99
3) n-Nitrosodimethylamine	3.744	42	2729	0.350	ng	#	87
6) bis(2-Chloroethyl)ether	7.434	93	7809	0.395	ng		94
9) Naphthalene	10.889	128	20703	0.417	ng		98
10) Hexachlorobutadiene	11.177	225	3560	0.414	ng	#	96
12) 2-Methylnaphthalene	12.495	142	14247	0.417	ng		99
16) Acenaphthylene	14.373	152	20046	0.394	ng		100
17) Acenaphthene	14.715	154	13739	0.410	ng		99
18) Fluorene	15.693	166	18389	0.415	ng		99
20) 4,6-Dinitro-2-methylph...	15.780	198	1230	0.494	ng	#	55
21) 4-Bromophenyl-phenylether	16.586	248	5267	0.399	ng	#	88
22) Hexachlorobenzene	16.698	284	4825	0.400	ng		99
23) Atrazine	16.847	200	4196	0.399	ng		95
24) Pentachlorophenol	17.070	266	876	0.848	ng	#	86
25) Phenanthrene	17.430	178	29111	0.412	ng		99
26) Anthracene	17.530	178	25780	0.403	ng		99
28) Fluoranthene	19.453	202	31640	0.410	ng		99
30) Pyrene	19.816	202	32041	0.425	ng		99
32) Benzo(a)anthracene	21.560	228	23248	0.403	ng		99
33) Chrysene	21.614	228	26576	0.425	ng		99
34) Bis(2-ethylhexyl)phtha...	21.471	149	15230	0.434	ng	#	98
36) Indeno(1,2,3-cd)pyrene	26.647	276	20895	0.405	ng	#	64
37) Benzo(b)fluoranthene	23.297	252	22148	0.433	ng		94
38) Benzo(k)fluoranthene	23.344	252	22118	0.415	ng		95
39) Benzo(a)pyrene	23.946	252	20256	0.414	ng		94
40) Dibenzo(a,h)anthracene	26.668	278	16417	0.402	ng		95
41) Benzo(g,h,i)perylene	27.437	276	18665	0.400	ng		97

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

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Instrument :
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Quant Time: May 29 00:55:46 2023
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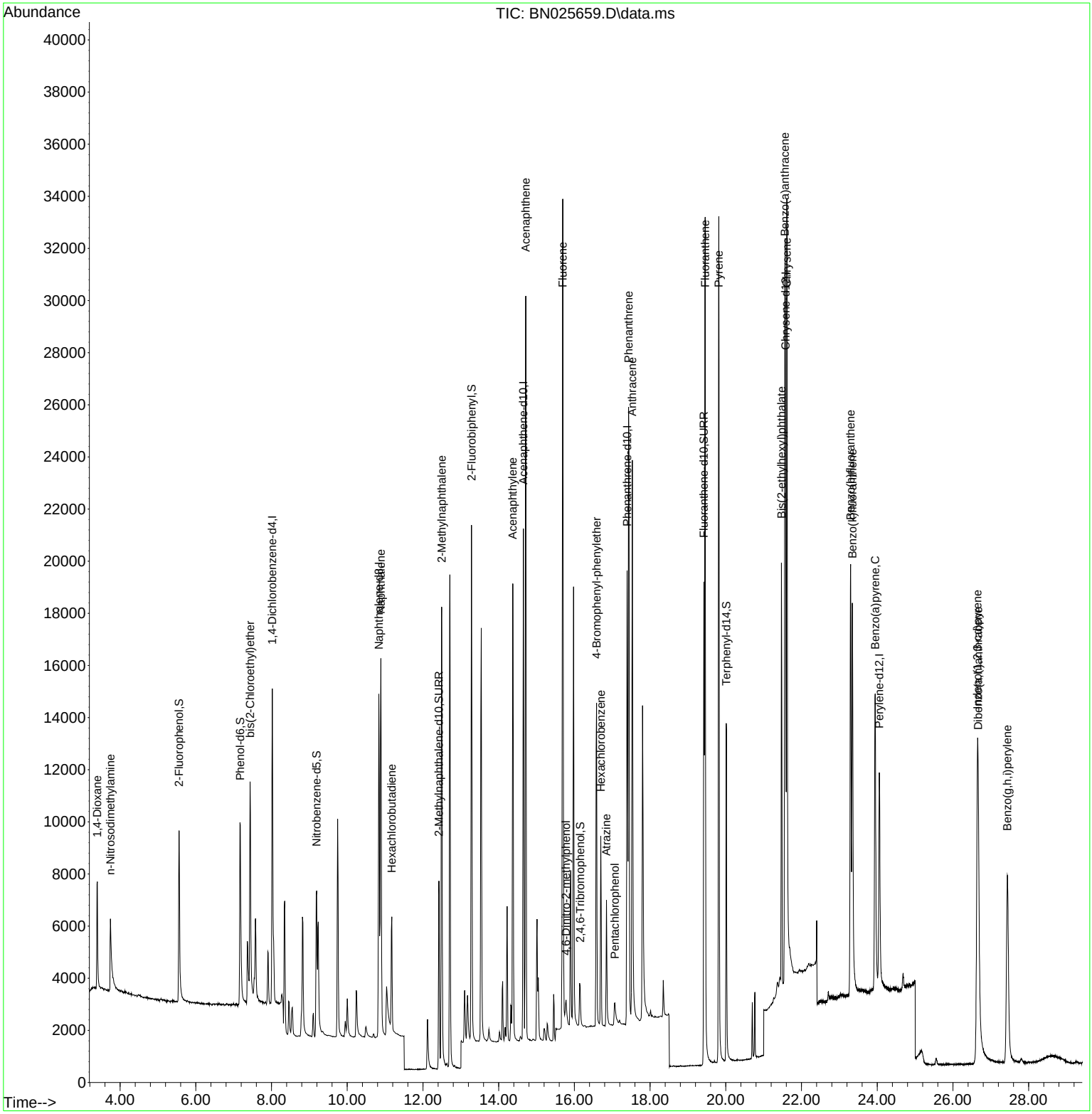
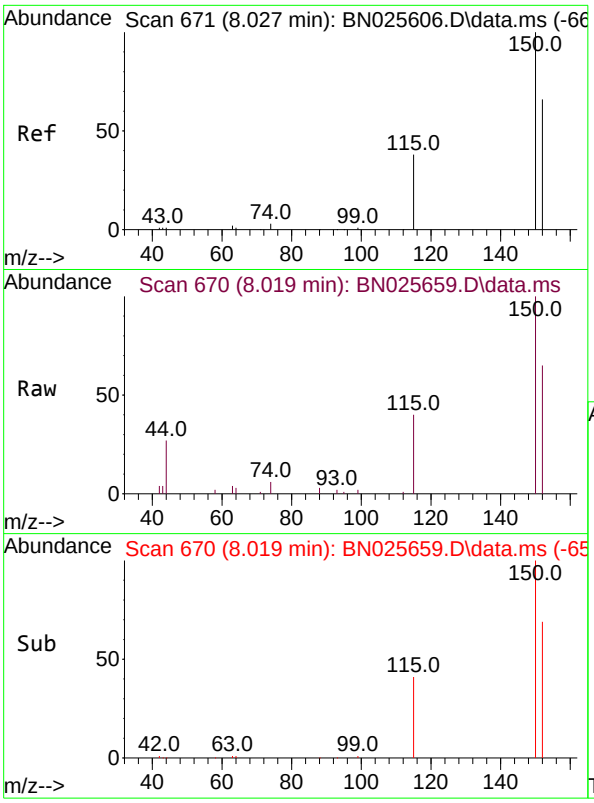
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 29 00:47:45 2023
Response via : Initial Calibration



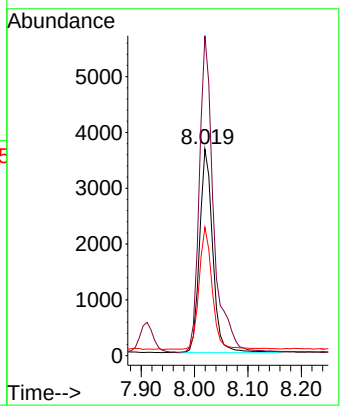


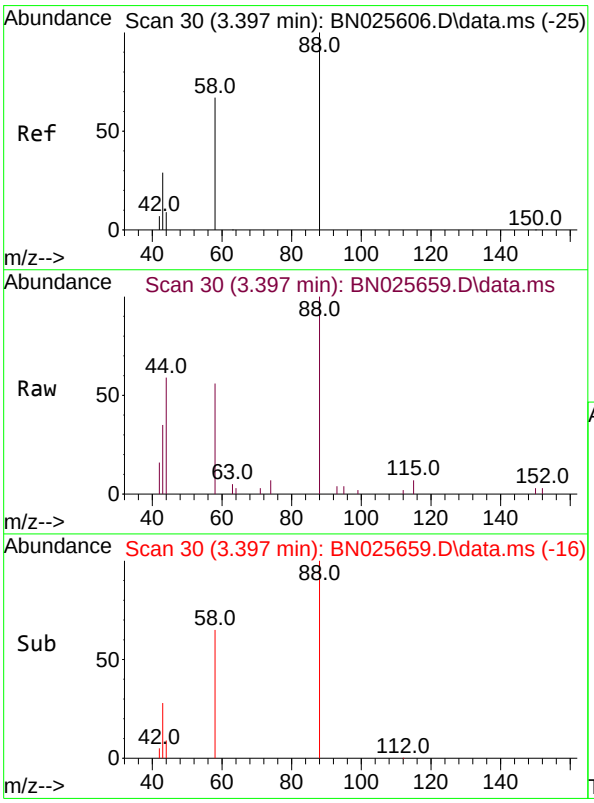
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.019 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6251

Ion	Ratio	Lower	Upper
152	100		
150	155.0	121.0	181.6
115	62.2	48.5	72.7

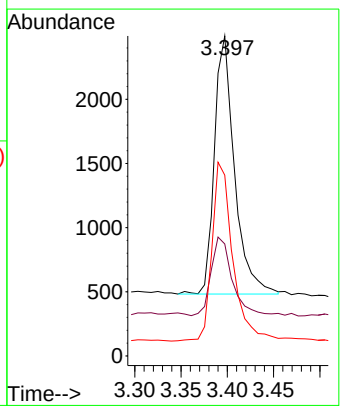


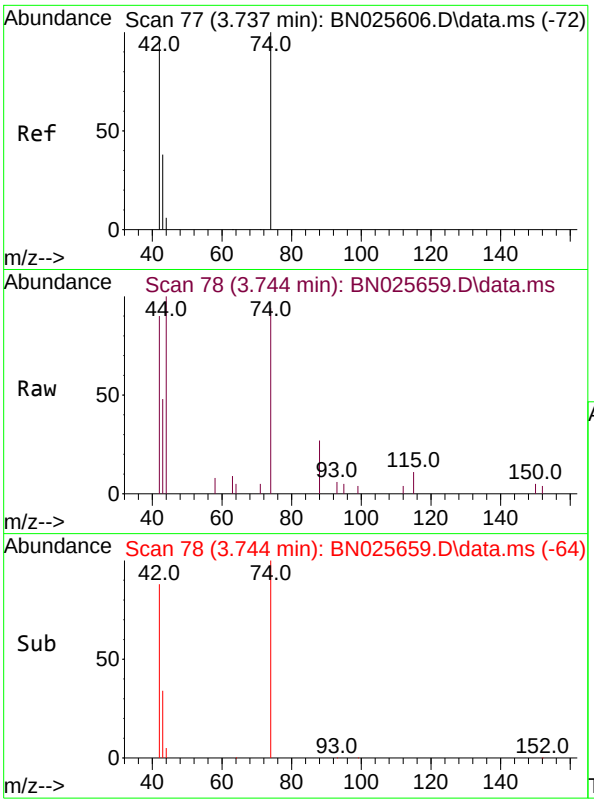


#2
1,4-Dioxane
Concen: 0.420 ng
RT: 3.397 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion: 88 Resp: 3041

Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.5	39.7
58	71.6	56.8	85.2



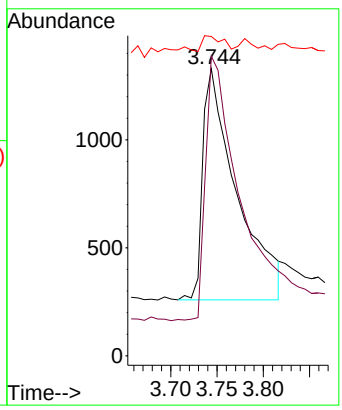


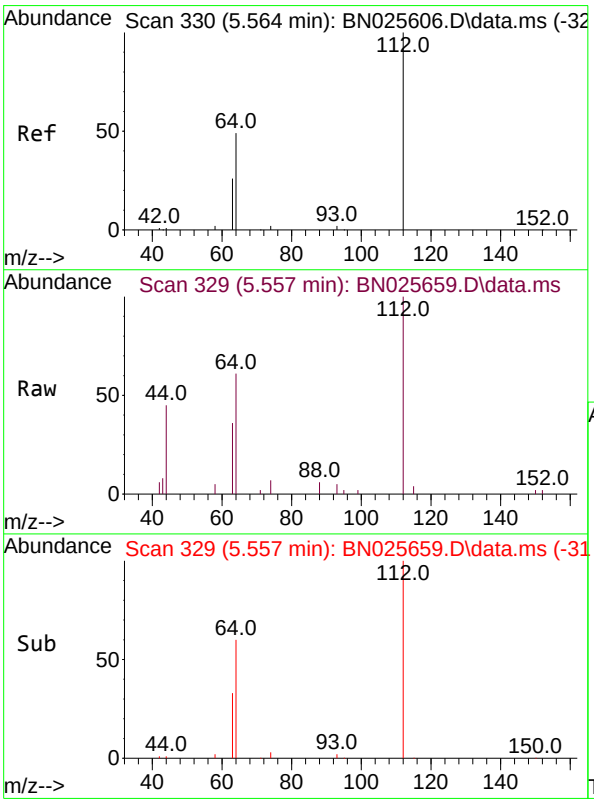
#3
n-Nitrosodimethylamine
Concen: 0.350 ng
RT: 3.744 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2729

Ion	Ratio	Lower	Upper
42	100		
74	115.6	82.2	123.2
44	11.0	0.0	0.0#

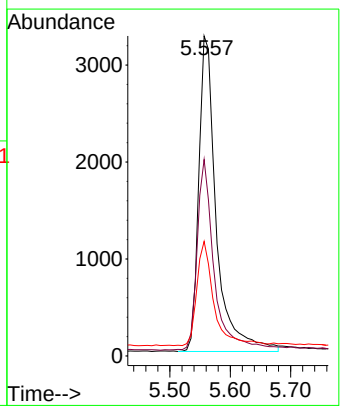


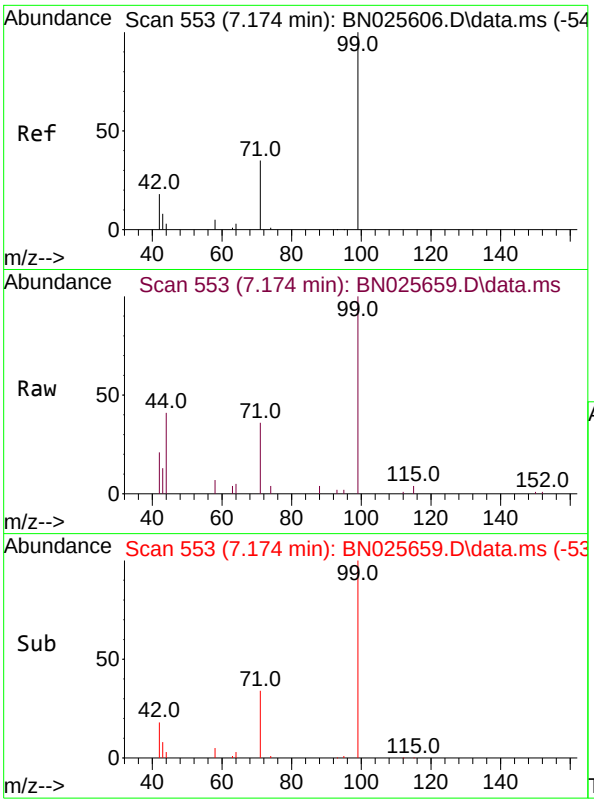


#4
2-Fluorophenol
Concen: 0.411 ng
RT: 5.557 min Scan# 329
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:112 Resp: 6589

Ion	Ratio	Lower	Upper
112	100		
64	58.6	45.7	68.5
63	32.1	26.2	39.2



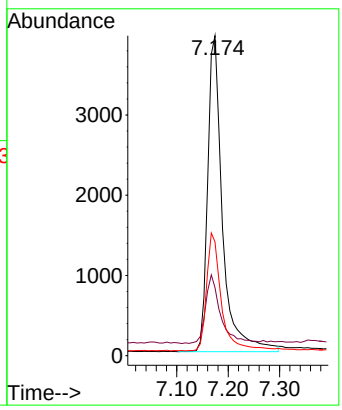


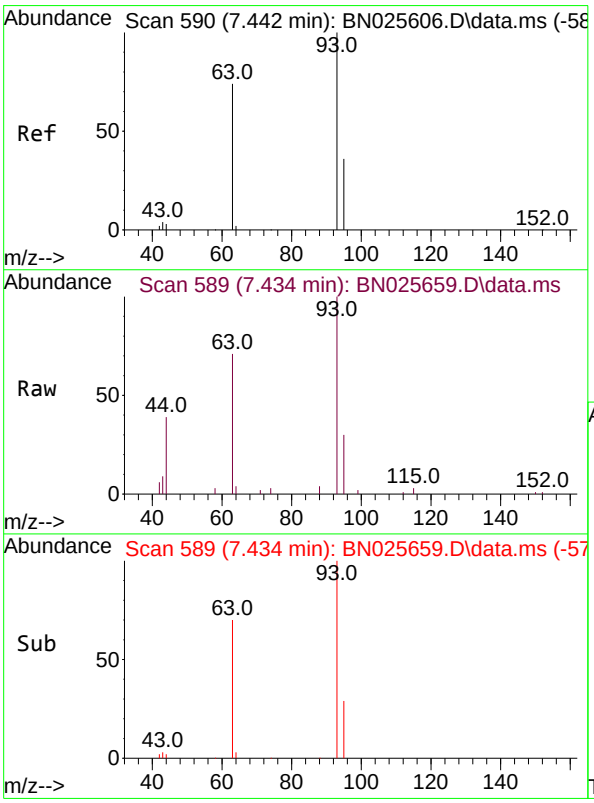
#5
Phenol-d6
Concen: 0.411 ng
RT: 7.174 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 7884

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.1	25.7
71	37.2	29.3	43.9

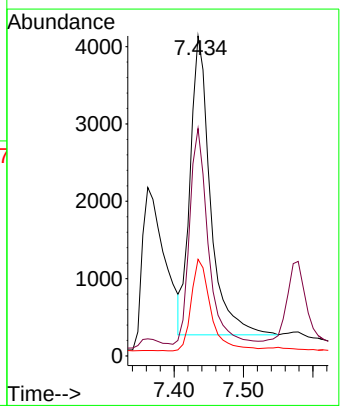


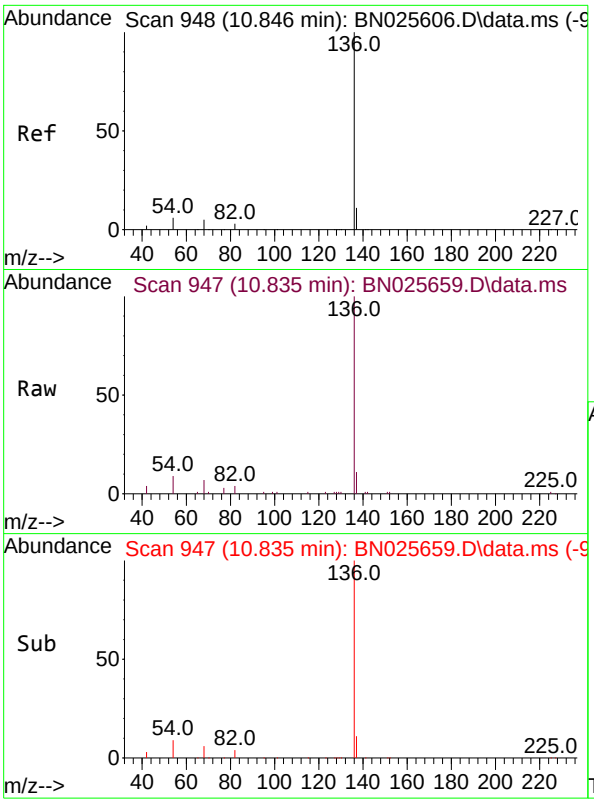


#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.434 min Scan# 589
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion: 93 Resp: 7809

Ion	Ratio	Lower	Upper
93	100		
63	66.9	49.1	73.7
95	29.6	22.6	33.8



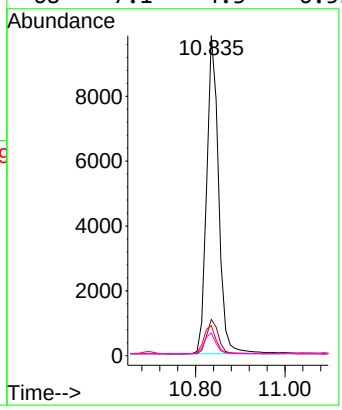


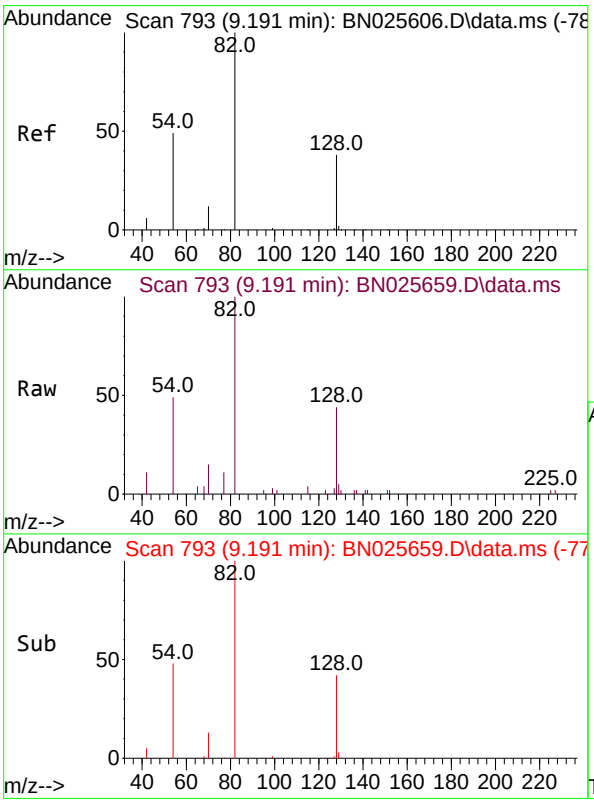
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.835 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 18138

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.4	5.4	8.0#
68	7.1	4.3	6.5#

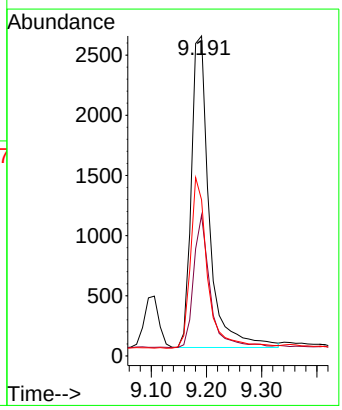


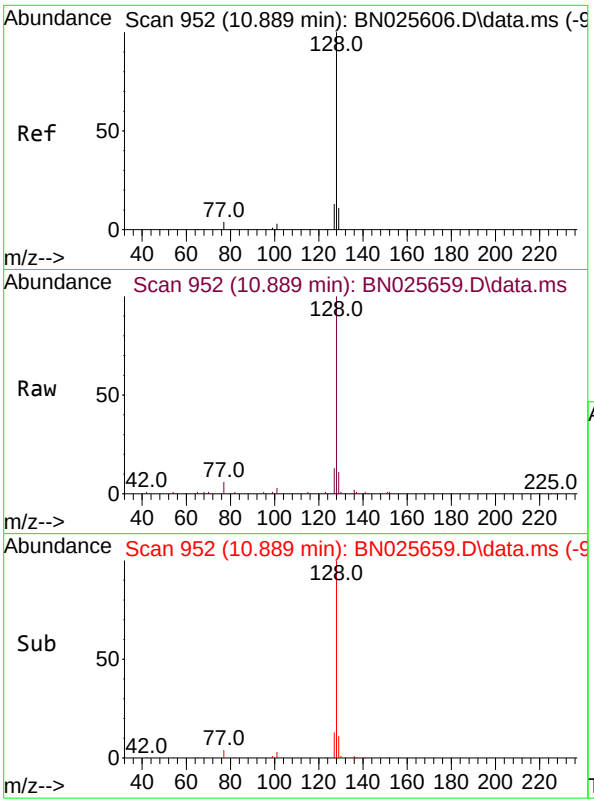


#8
Nitrobenzene-d5
Concen: 0.386 ng
RT: 9.191 min Scan# 793
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion: 82 Resp: 5859

Ion	Ratio	Lower	Upper
82	100		
128	44.0	32.5	48.7
54	48.8	40.6	60.8



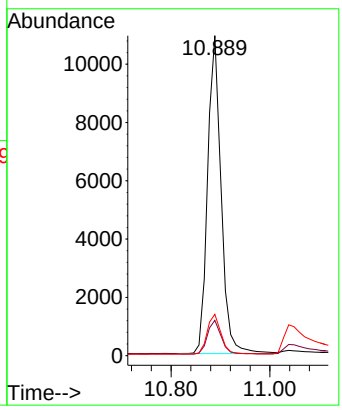


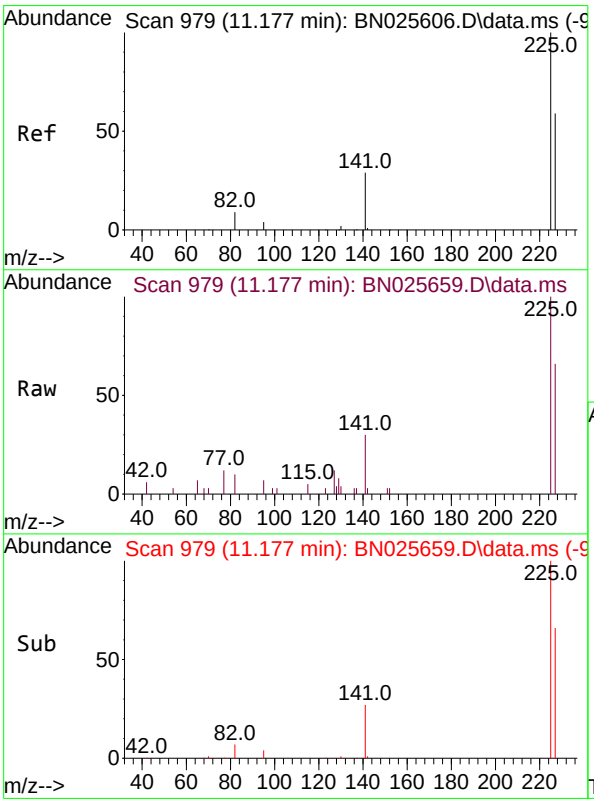
#9
Naphthalene
Concen: 0.417 ng
RT: 10.889 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 20703

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.0	11.0	16.6

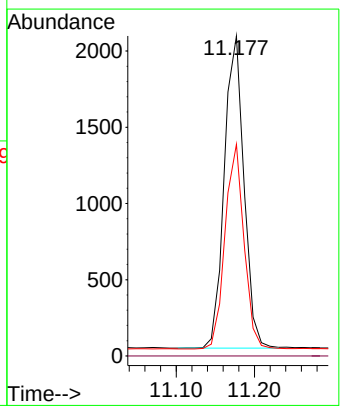


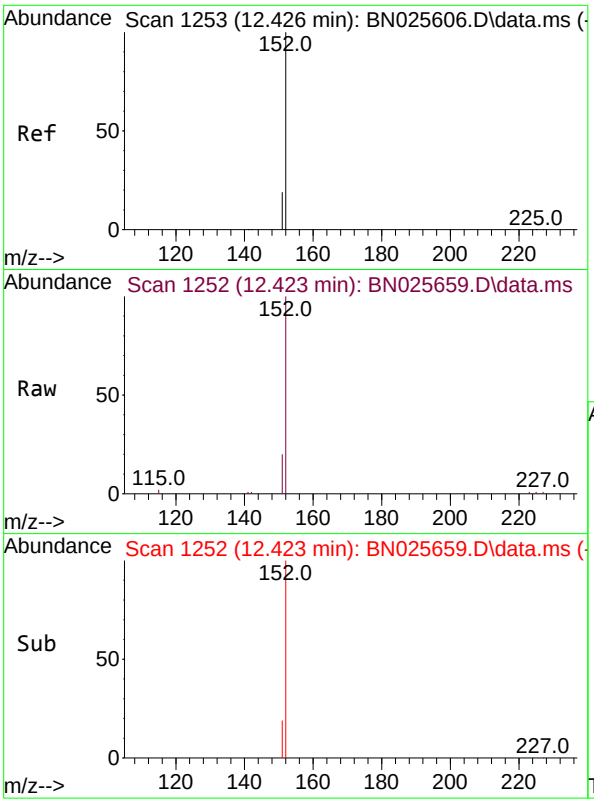


#10
Hexachlorobutadiene
Concen: 0.414 ng
RT: 11.177 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:225 Resp: 3560

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	48.4	72.6



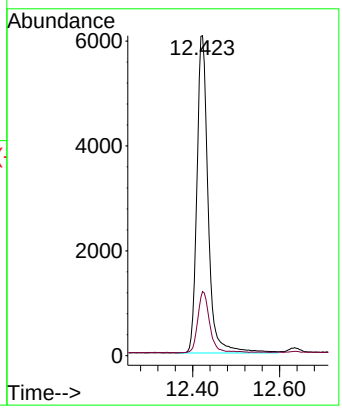


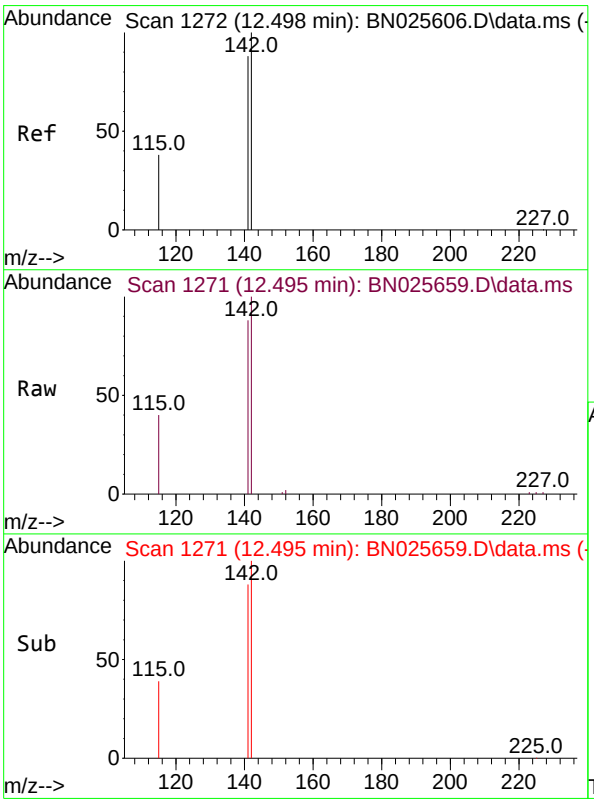
#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 12.423 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 10866

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1

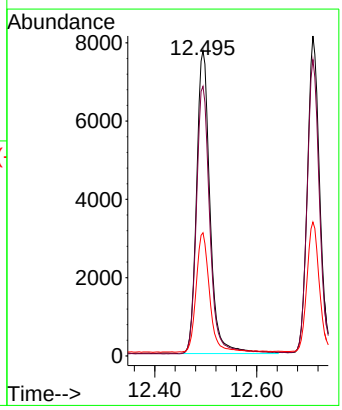


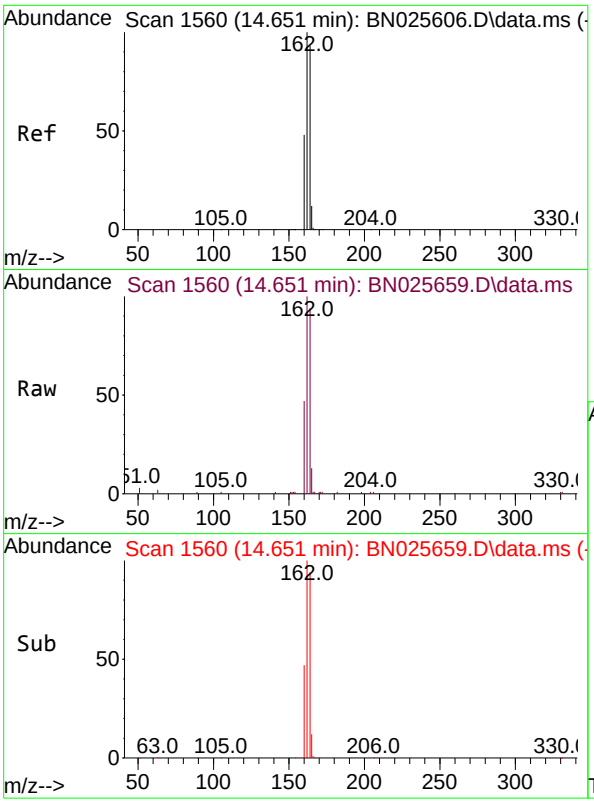


#12
2-Methylnaphthalene
Concen: 0.417 ng
RT: 12.495 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:142 Resp: 14247

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.7	106.1
115	40.3	31.5	47.3



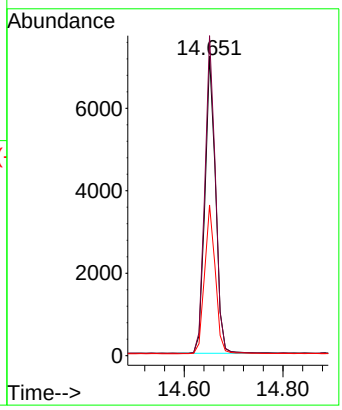


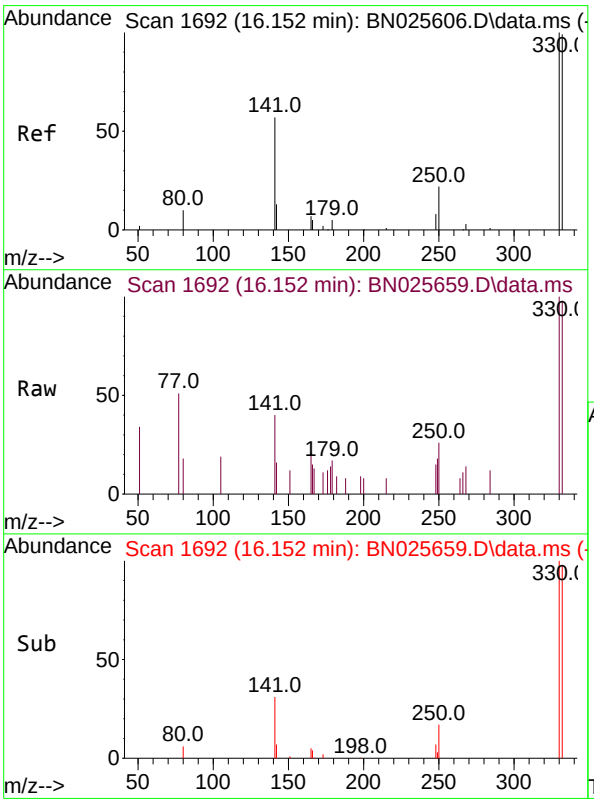
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 10773

Ion	Ratio	Lower	Upper
164	100		
162	106.8	86.4	129.6
160	50.3	41.9	62.9

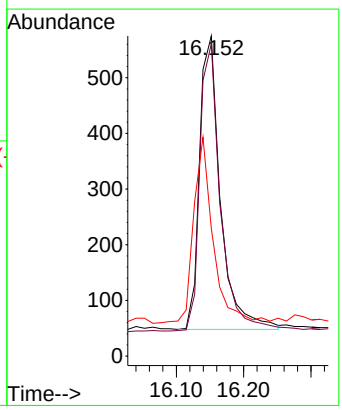


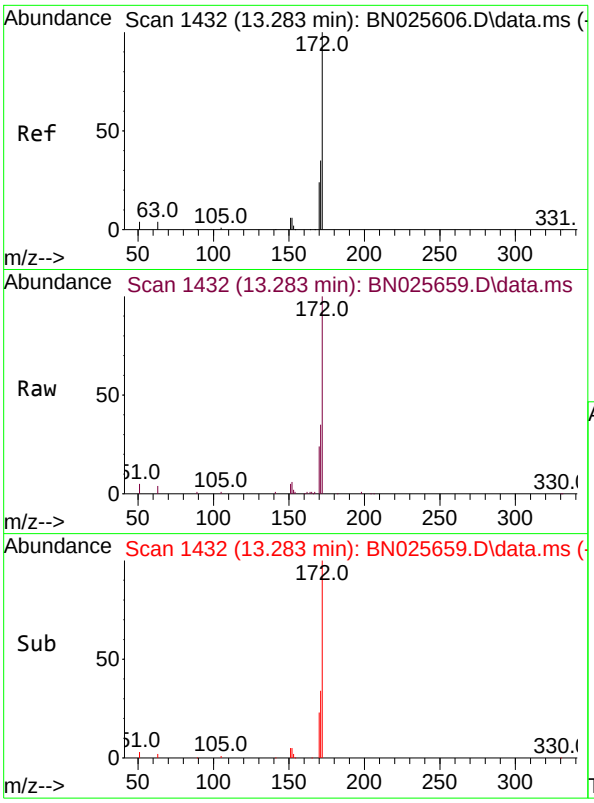


#14
2,4,6-Tribromophenol
Concen: 0.526 ng
RT: 16.152 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:330 Resp: 1145

Ion	Ratio	Lower	Upper
330	100		
332	96.2	80.0	120.0
141	57.8	45.8	68.6



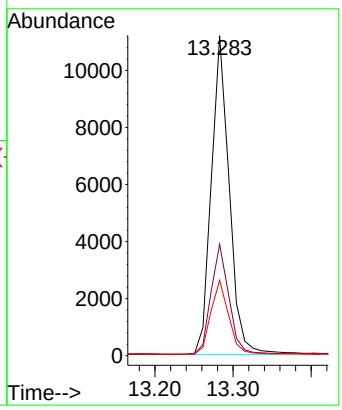


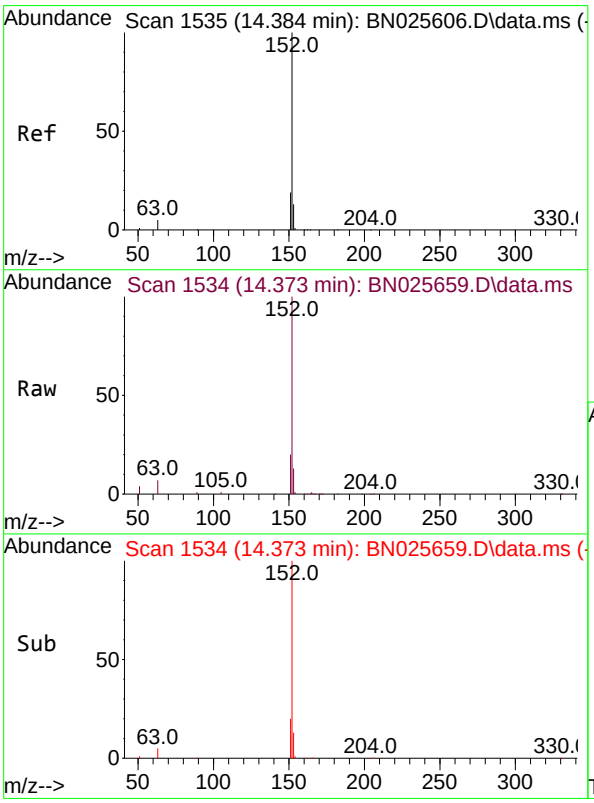
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.283 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 17751

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.5	19.7	29.5

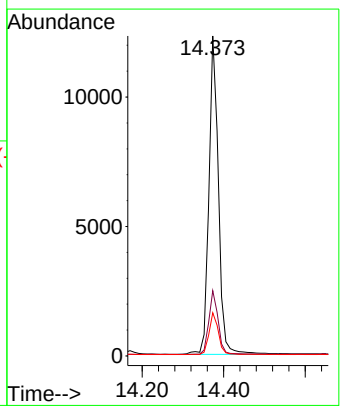


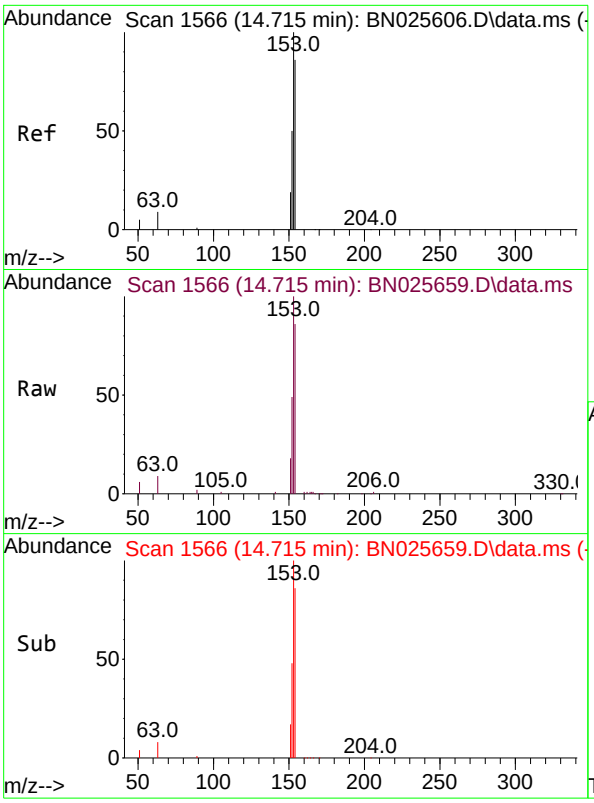


#16
Acenaphthylene
Concen: 0.394 ng
RT: 14.373 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:152 Resp: 20046

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.6	15.8



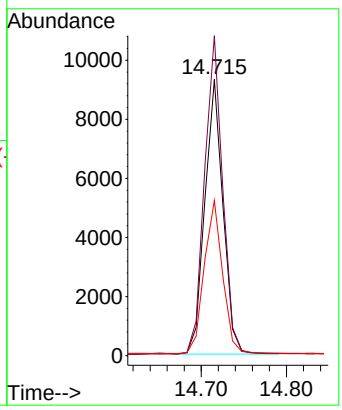


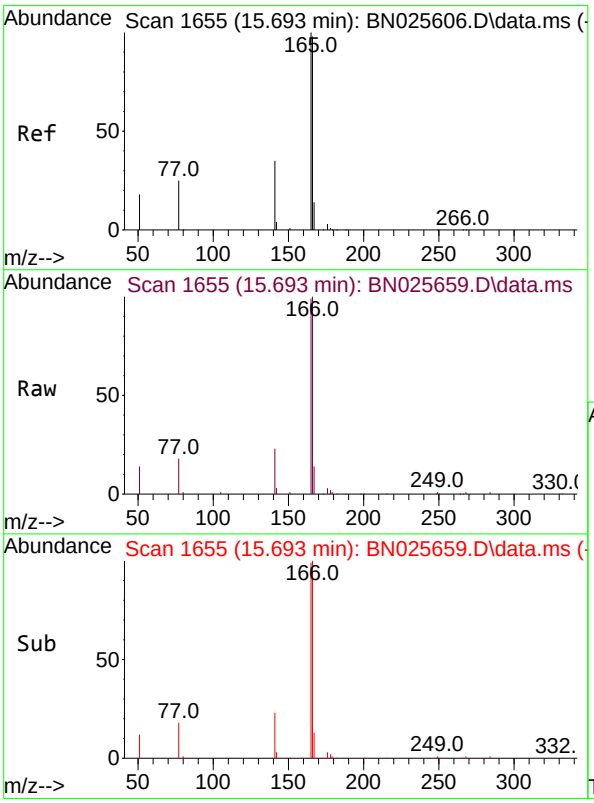
#17
Acenaphthene
Concen: 0.410 ng
RT: 14.715 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 13739

Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.9	137.9
152	57.0	45.4	68.2

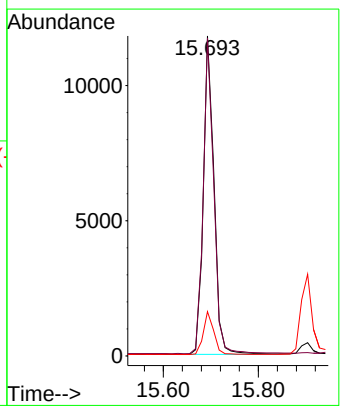


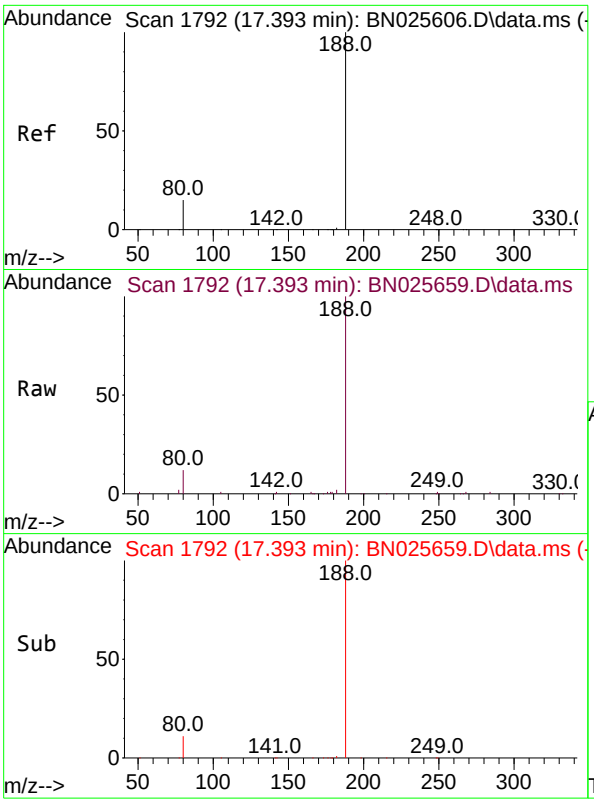


#18
Fluorene
Concen: 0.415 ng
RT: 15.693 min Scan# 1655
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:166 Resp: 18389

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.3	118.9
167	13.4	10.7	16.1



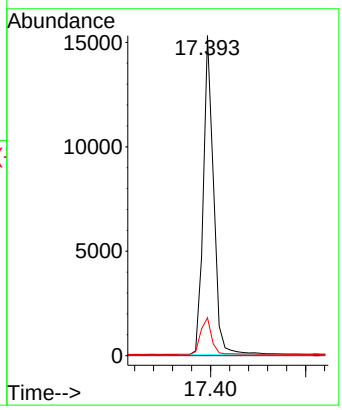


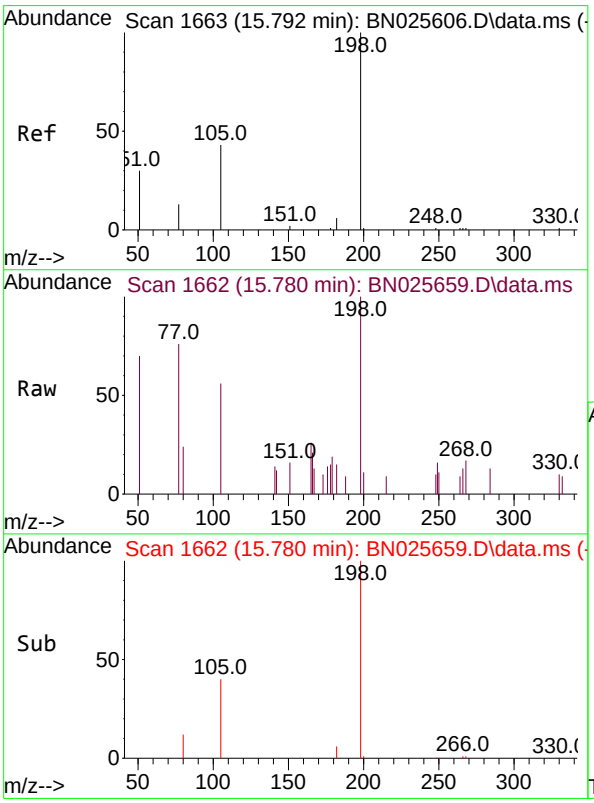
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 23238

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	12.2	18.2#

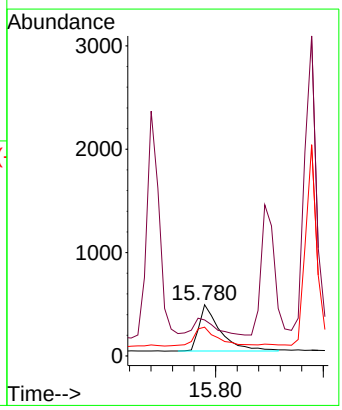


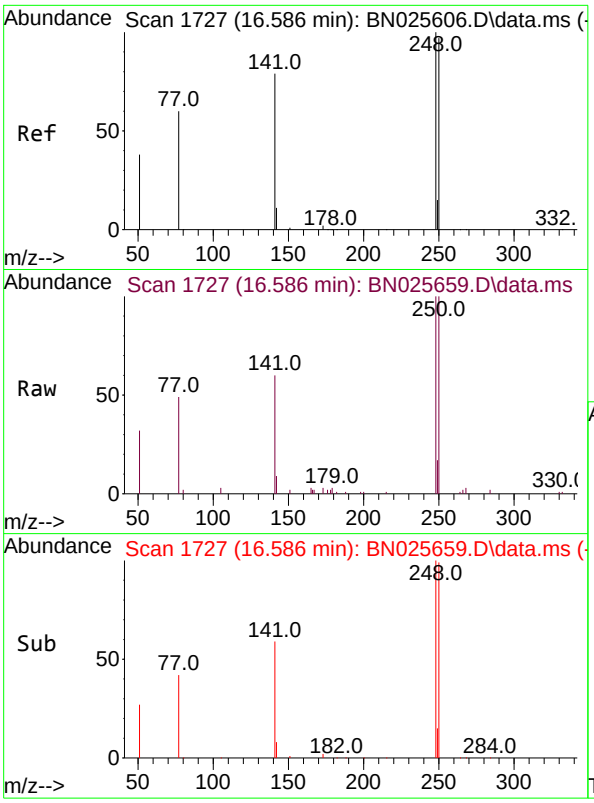


#20
4,6-Dinitro-2-methylphenol
Concen: 0.494 ng
RT: 15.780 min Scan# 1662
Delta R.T. -0.013 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:198 Resp: 1230

Ion	Ratio	Lower	Upper
198	100		
51	70.4	110.8	166.2#
105	56.0	61.9	92.9#



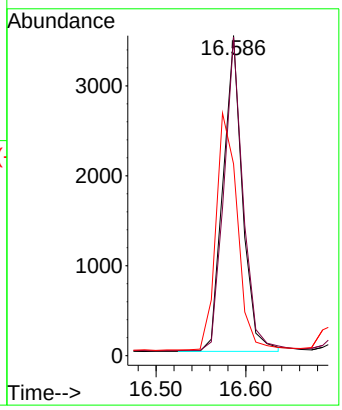


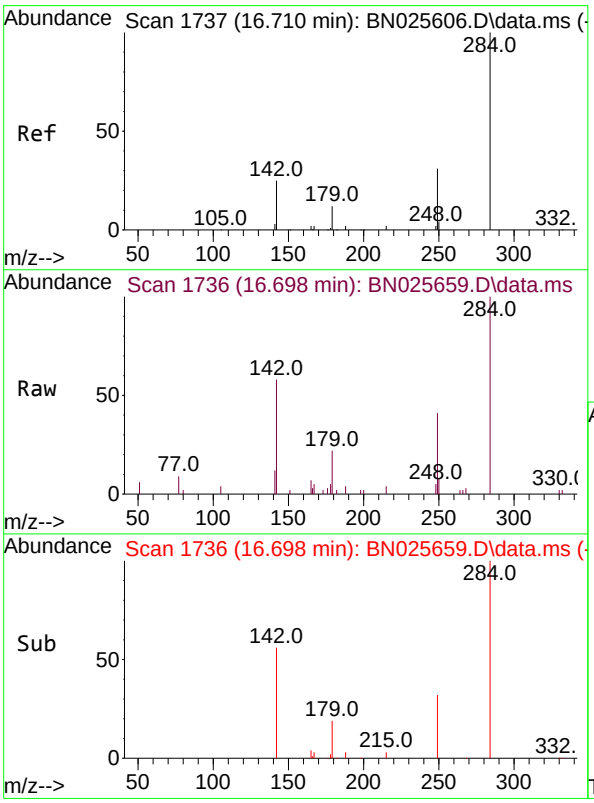
#21
4-Bromophenyl-phenylether
Concen: 0.399 ng
RT: 16.586 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 5267

Ion	Ratio	Lower	Upper
248	100		
250	99.6	77.5	116.3
141	59.9	64.0	96.0#

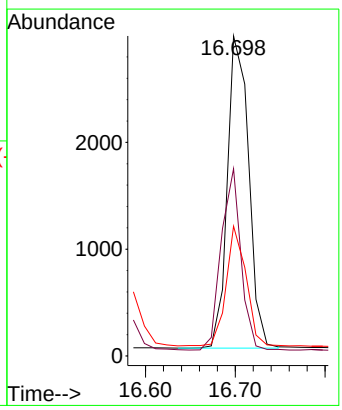


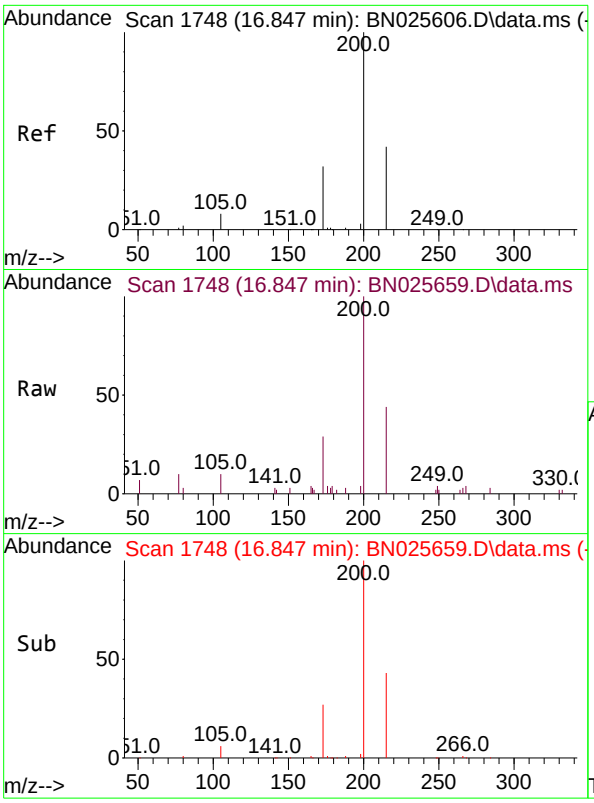


#22
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.698 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:284 Resp: 4825

Ion	Ratio	Lower	Upper
284	100		
142	53.6	42.0	63.0
249	35.4	28.6	43.0



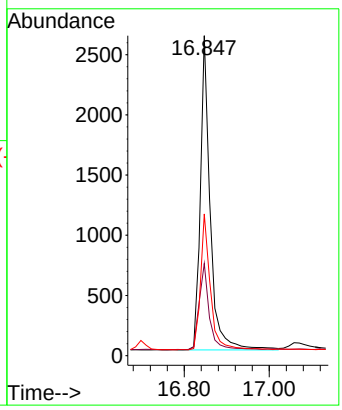


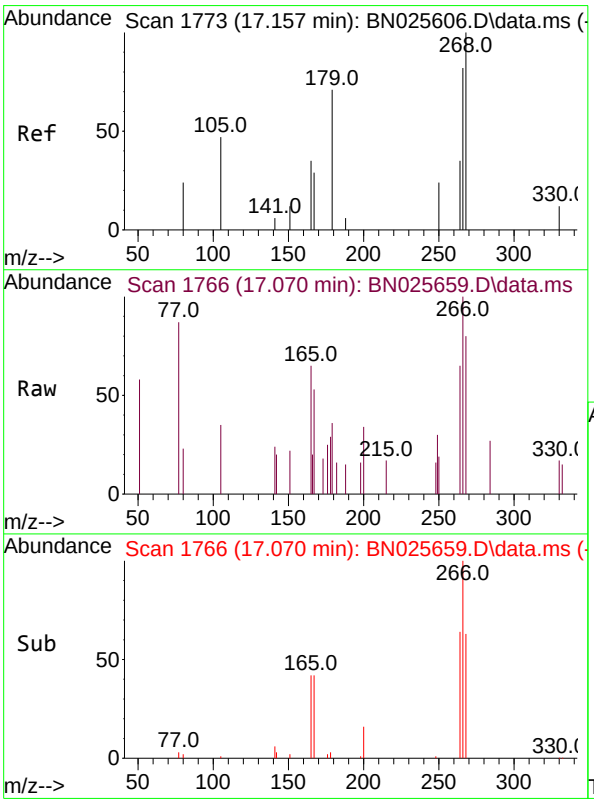
#23
Atrazine
Concen: 0.399 ng
RT: 16.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 4196

Ion	Ratio	Lower	Upper
200	100		
173	28.8	27.9	41.9
215	44.3	35.1	52.7

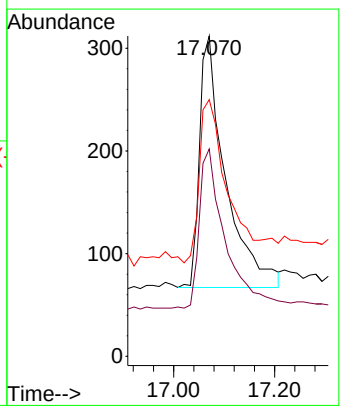


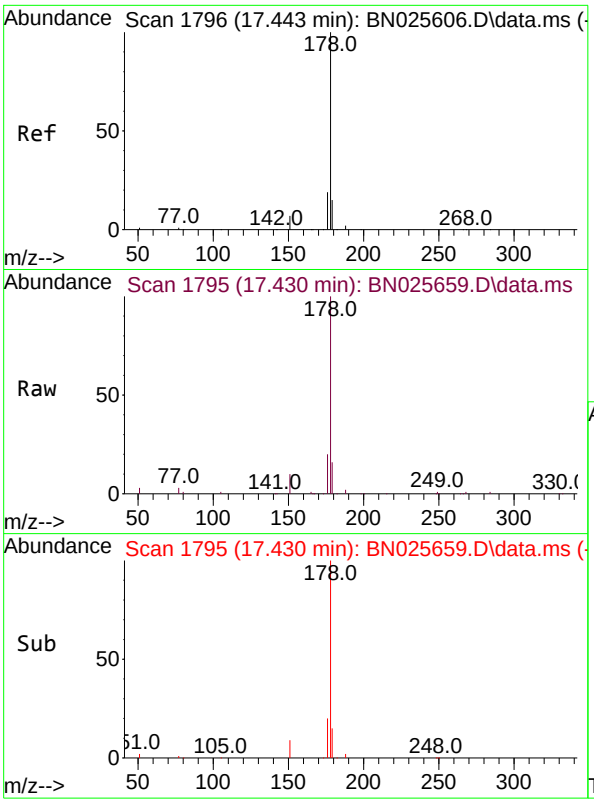


#24
Pentachlorophenol
Concen: 0.848 ng
RT: 17.070 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:266 Resp: 876

Ion	Ratio	Lower	Upper
266	100		
264	63.2	60.0	90.0
268	69.6	0.0	0.0#



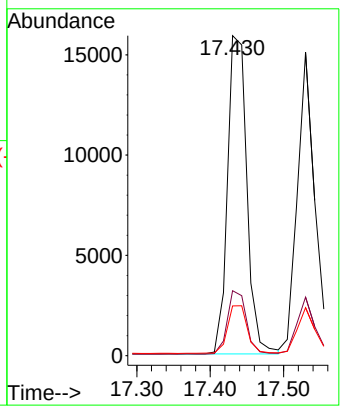


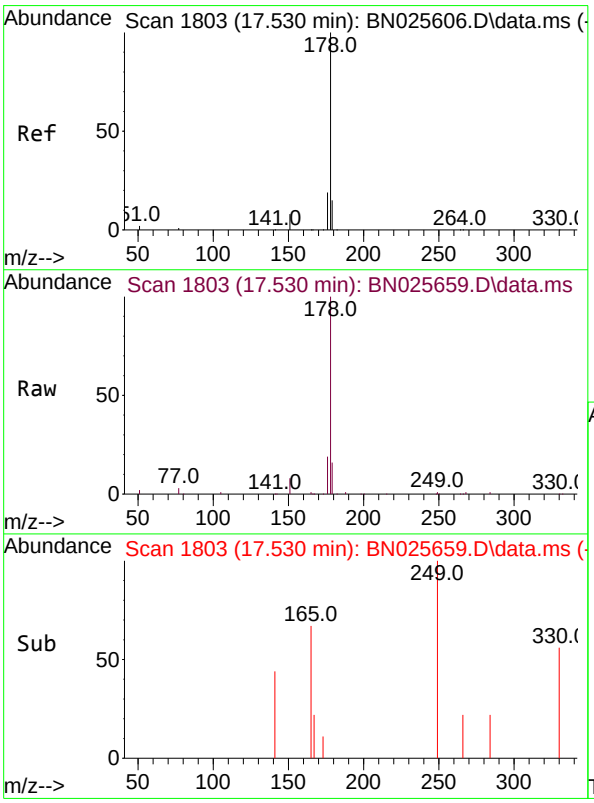
#25
Phenanthrene
Concen: 0.412 ng
RT: 17.430 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 29111

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.3	12.6	19.0

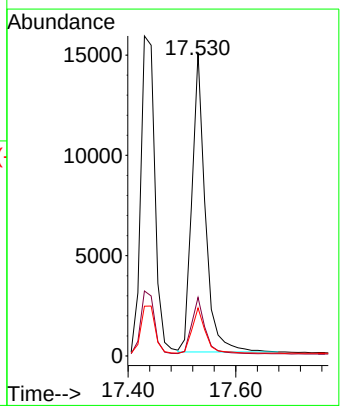


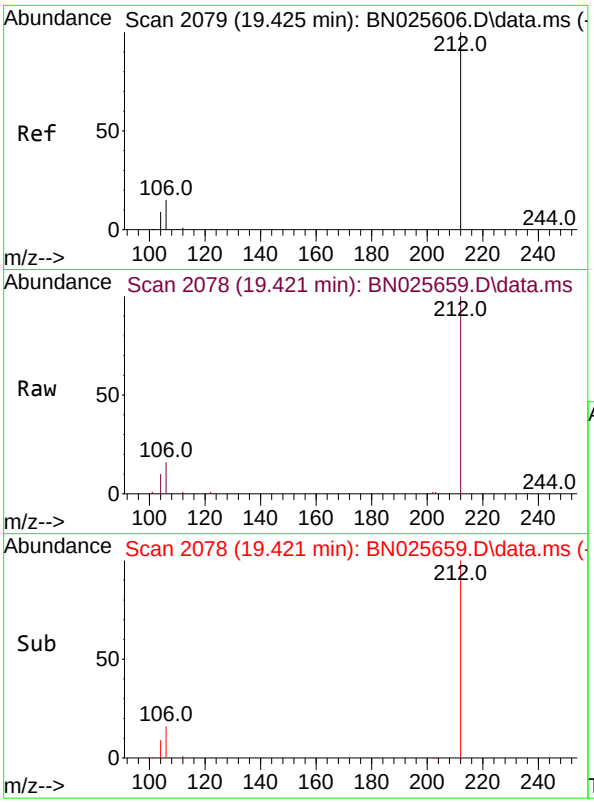


#26
Anthracene
Concen: 0.403 ng
RT: 17.530 min Scan# 1803
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:178 Resp: 25780

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	14.9	12.2	18.2



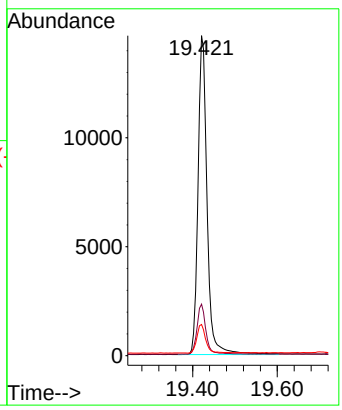


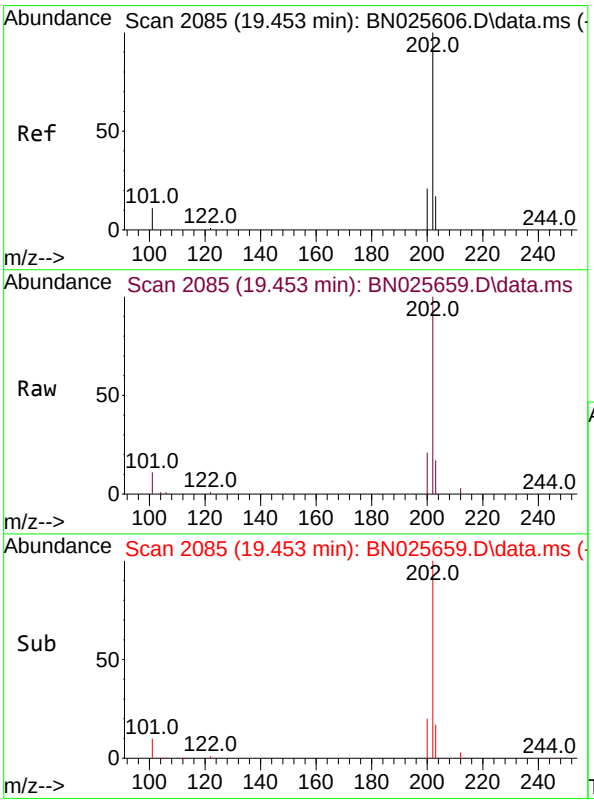
#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.421 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 21637

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.3	18.5
104	9.2	7.2	10.8

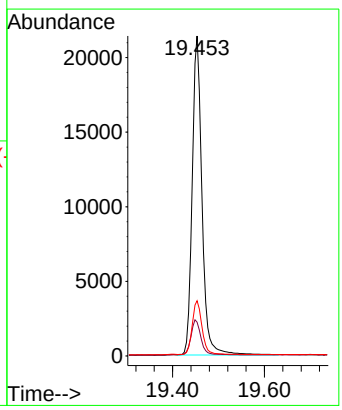


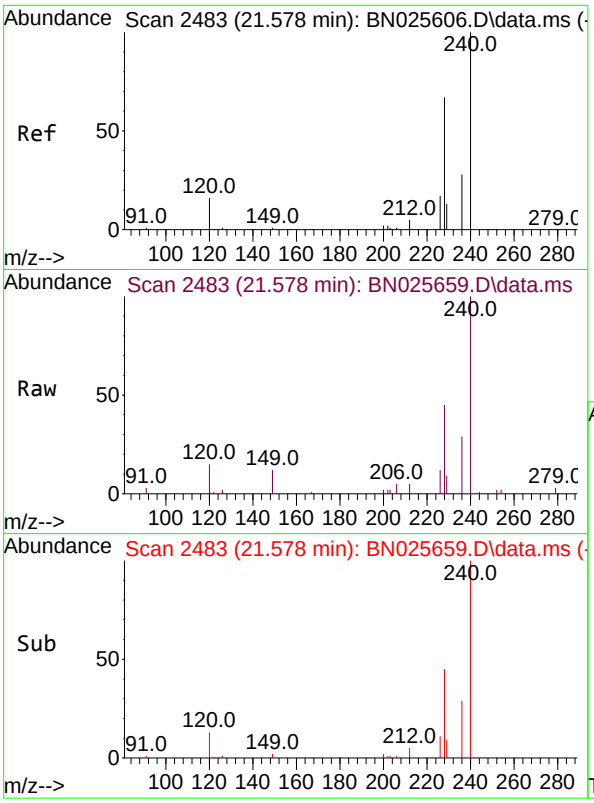


#28
Fluoranthene
Concen: 0.410 ng
RT: 19.453 min Scan# 2085
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:202 Resp: 31640

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.2	13.8
203	16.9	13.3	19.9



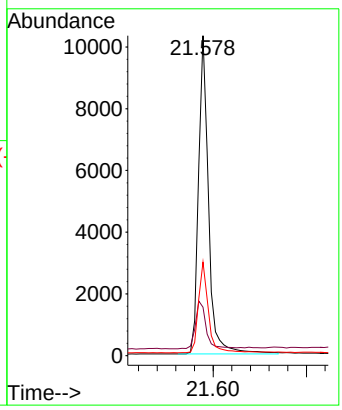


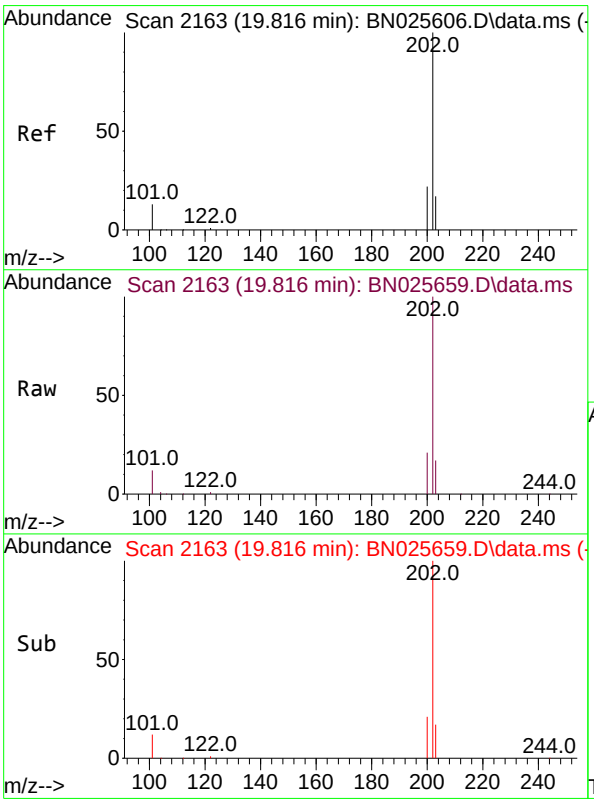
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 15484

Ion	Ratio	Lower	Upper
240	100		
120	15.2	15.4	23.0#
236	29.2	23.2	34.8

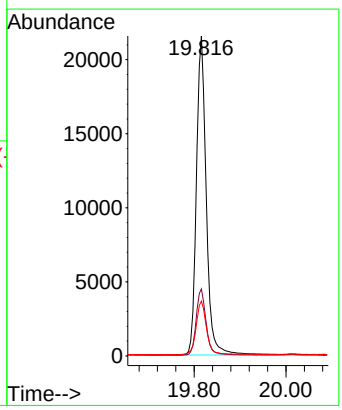


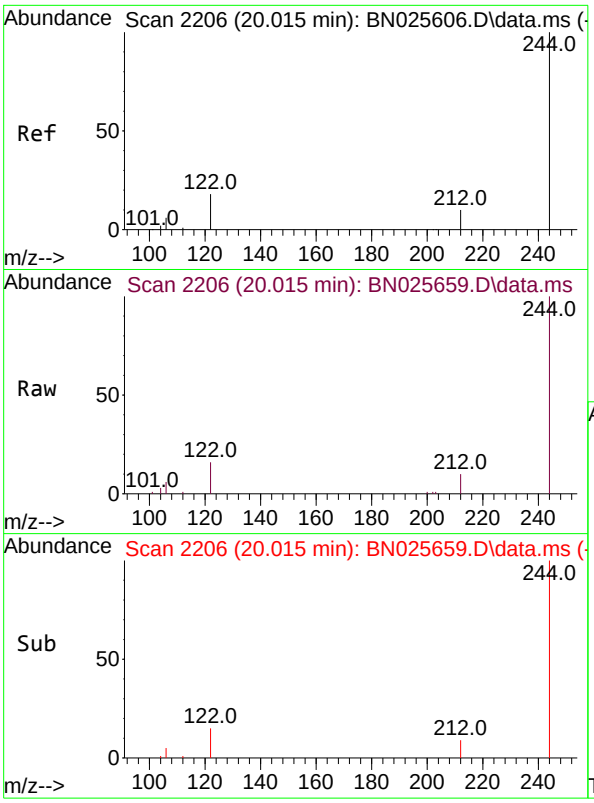


#30
Pyrene
Concen: 0.425 ng
RT: 19.816 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:202 Resp: 32041

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



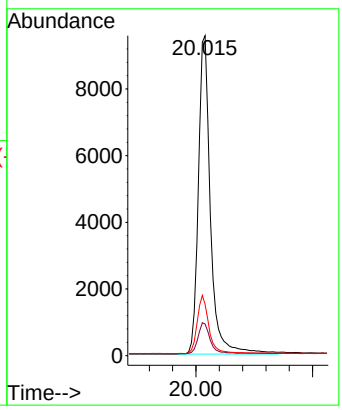


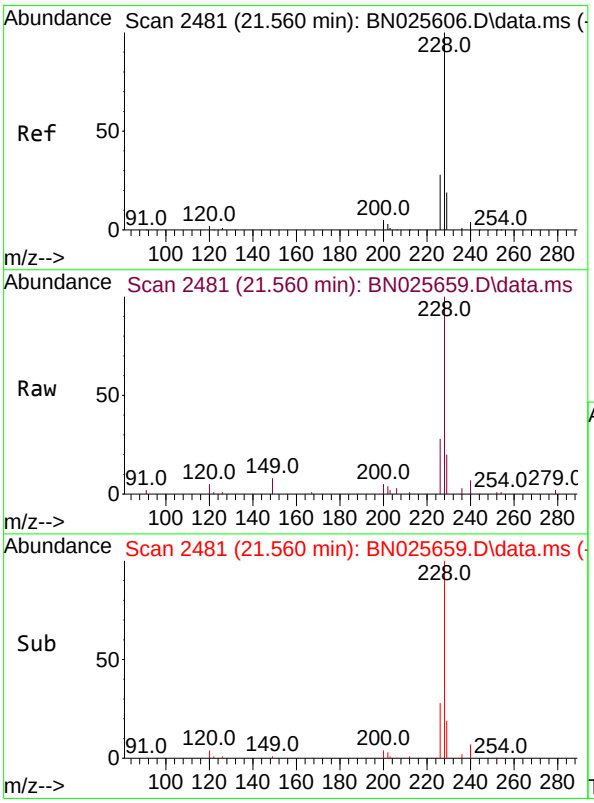
#31
Terphenyl-d14
Concen: 0.406 ng
RT: 20.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 13761

Ion	Ratio	Lower	Upper
244	100		
212	9.9	8.5	12.7
122	16.1	14.9	22.3

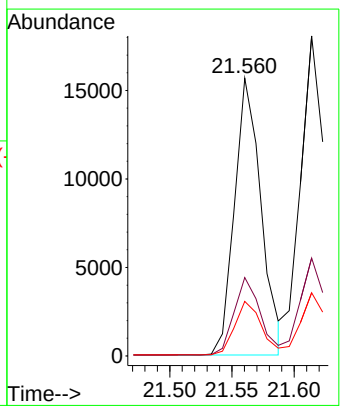


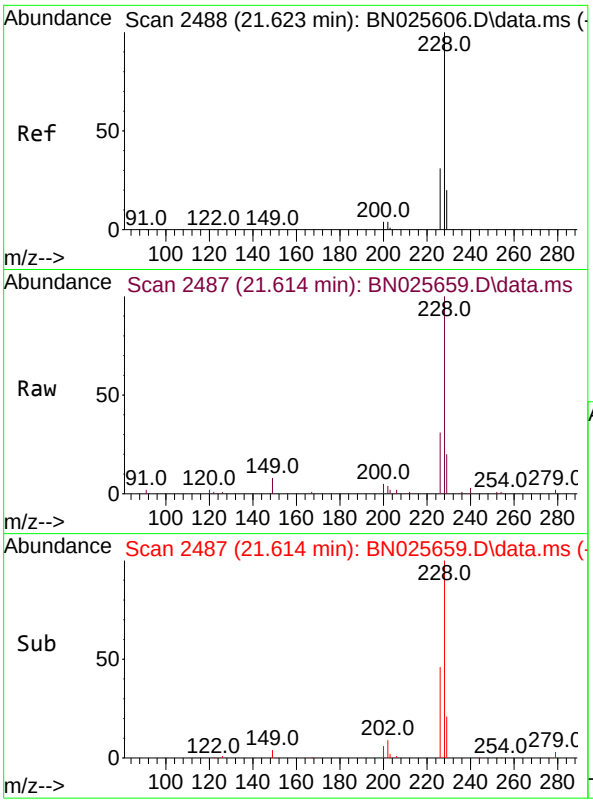


#32
Benzo(a)anthracene
Concen: 0.403 ng
RT: 21.560 min Scan# 2481
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:228 Resp: 23248

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.9	34.3
229	19.6	15.9	23.9



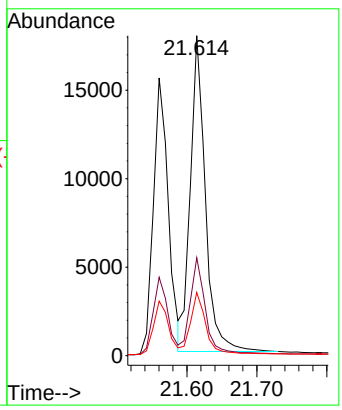


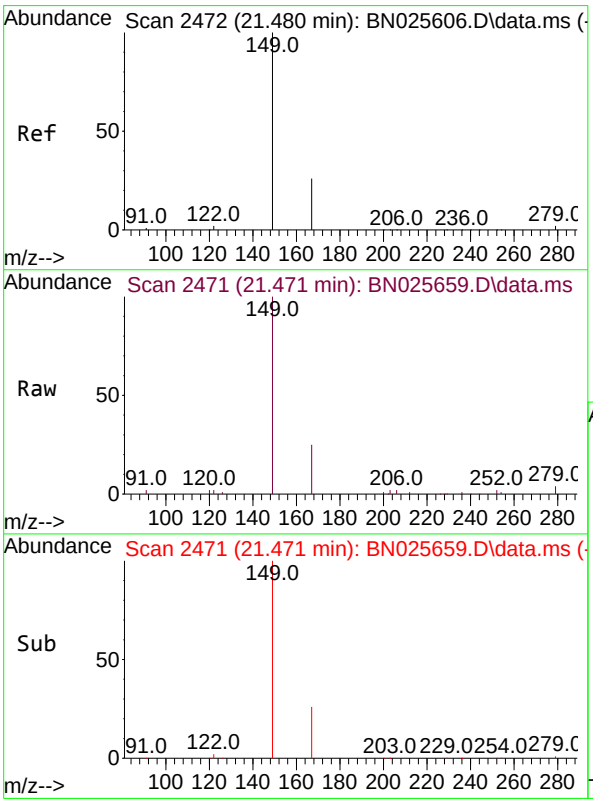
#33
Chrysene
Concen: 0.425 ng
RT: 21.614 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 26576

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	19.7	16.2	24.4

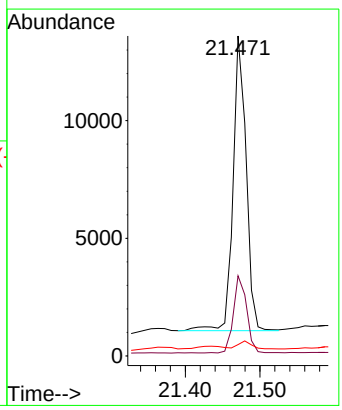


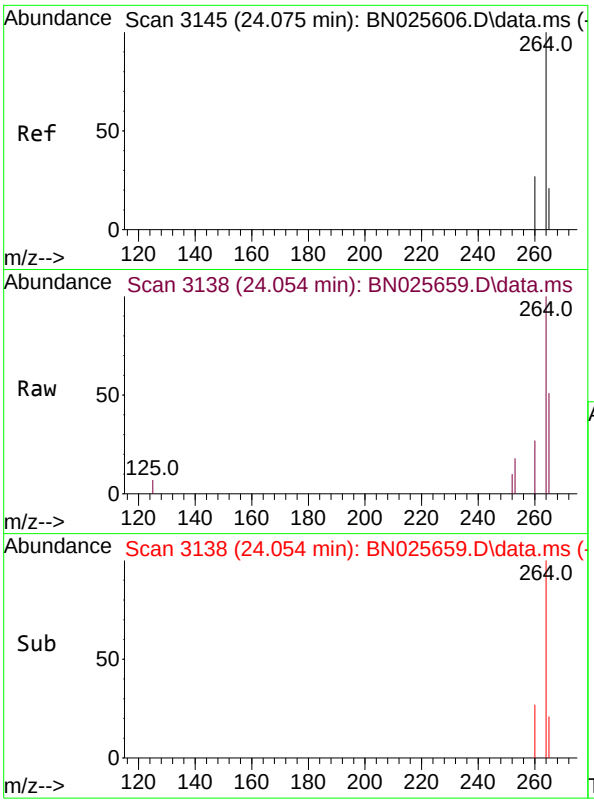


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.434 ng
RT: 21.471 min Scan# 2471
Delta R.T. -0.000 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:149 Resp: 15230

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.4	30.6
279	2.7	3.3	4.9#



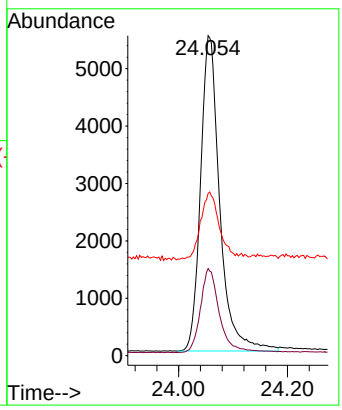


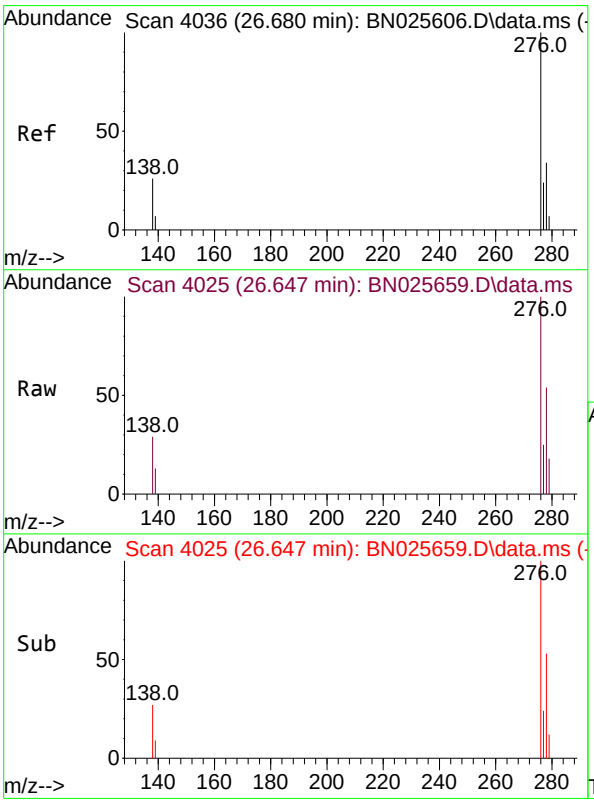
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.054 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 13446

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.3	33.5
265	50.7	54.3	81.5#

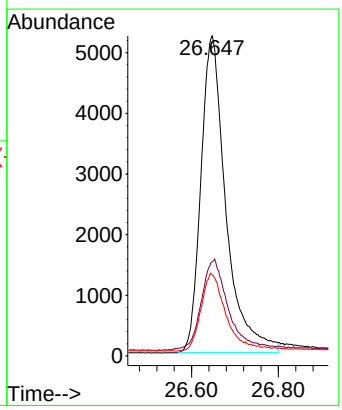


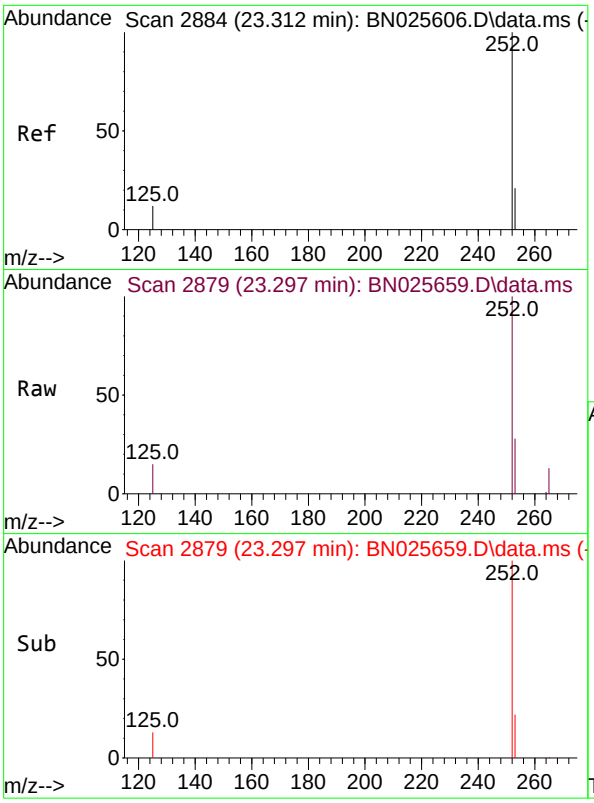


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.647 min Scan# 4025
Delta R.T. -0.032 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:276 Resp: 20895

Ion	Ratio	Lower	Upper
276	100		
138	28.5	10.5	15.7#
277	24.3	9.2	13.8#



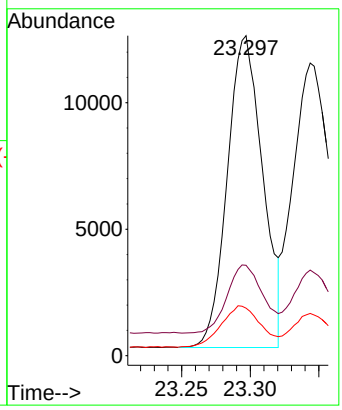


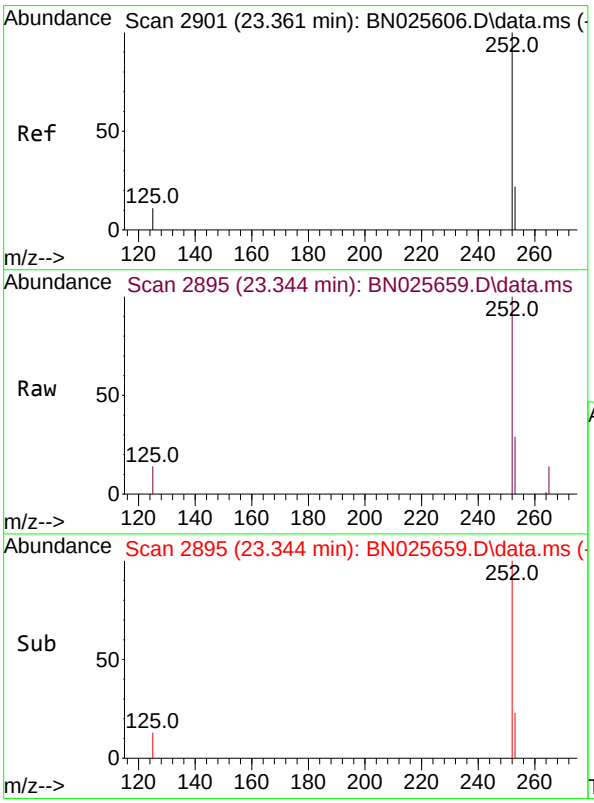
#37
Benzo(b)fluoranthene
Concen: 0.433 ng
RT: 23.297 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 22148

Ion	Ratio	Lower	Upper
252	100		
253	28.2	26.2	39.4
125	14.8	12.9	19.3

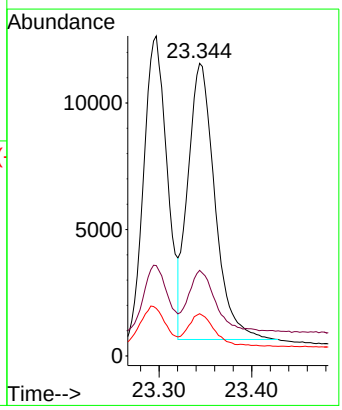


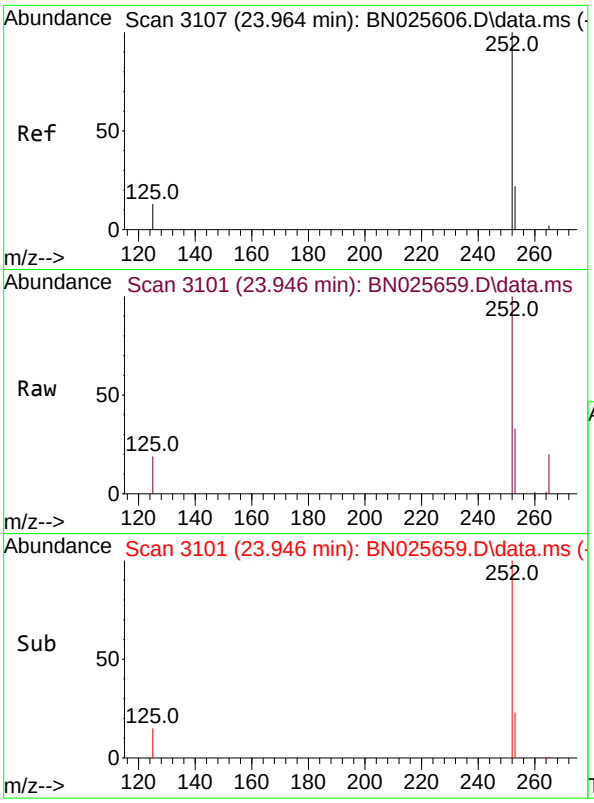


#38
Benzo(k)fluoranthene
Concen: 0.415 ng
RT: 23.344 min Scan# 2895
Delta R.T. -0.012 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:252 Resp: 22118

Ion	Ratio	Lower	Upper
252	100		
253	29.3	26.1	39.1
125	14.4	12.5	18.7



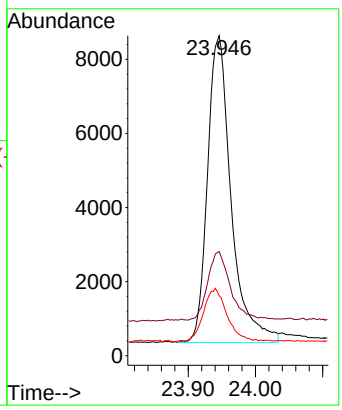


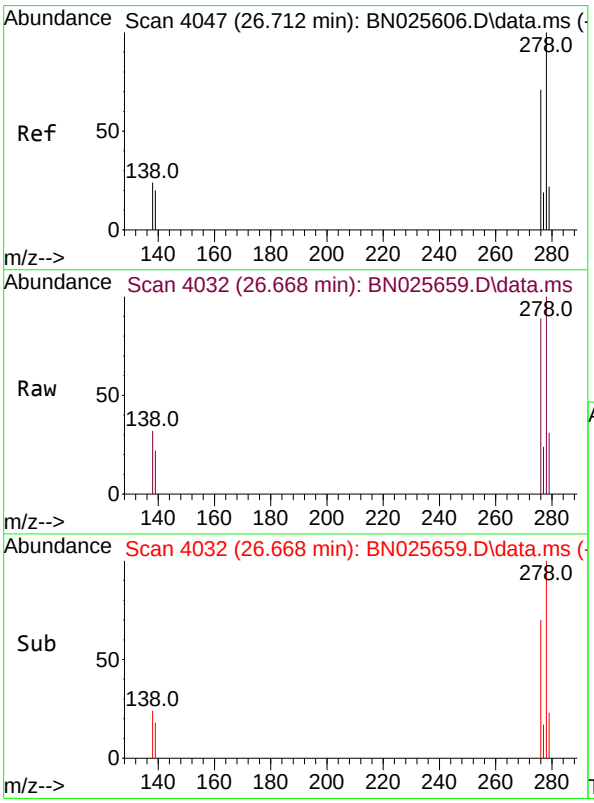
#39
Benzo(a)pyrene
Concen: 0.414 ng
RT: 23.946 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 20256

Ion	Ratio	Lower	Upper
252	100		
253	32.6	30.2	45.2
125	18.8	14.8	22.2

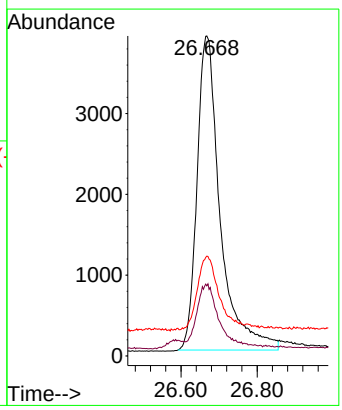


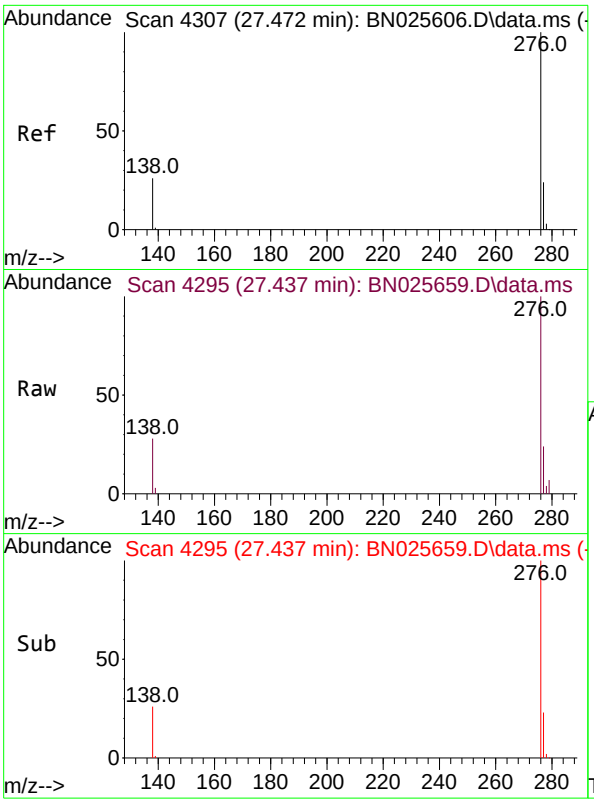


#40
Dibenzo(a,h)anthracene
Concen: 0.402 ng
RT: 26.668 min Scan# 4032
Delta R.T. -0.035 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Tgt Ion:278 Resp: 16417

Ion	Ratio	Lower	Upper
278	100		
139	21.9	18.6	28.0
279	31.2	27.8	41.8





#41
Benzo(g,h,i)perylene
Concen: 0.400 ng
RT: 27.437 min Scan# 4
Delta R.T. -0.032 min
Lab File: BN025659.D
Acq: 28 May 2023 00:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 18665

Ion	Ratio	Lower	Upper
276	100		
277	24.1	21.4	32.0
138	28.0	22.8	34.2