Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031723\
Data File : BN024351.D
Acq On : 17 Mar 2023 18:12
Operator : CG/JU
Sample : PB151378BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Quant Time: Mar 17 23:29:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 17 04:37:08 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.040	152	7837	0.400	ng		0.00
7) Naphthalene-d8	10.855	136	22692	0.400	ng		# 0.00
13) Acenaphthene-d10	14.675	164	10414	0.400	ng		0.00
19) Phenanthrene-d10	17.413	188	20497	0.400	ng		# 0.00
29) Chrysene-d12	21.610	240	13355	0.400	ng		# 0.00
35) Perylene-d12	24.126	264	9878	0.400	ng		# 0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.584	112	6869	0.396	ng		0.00
5) Phenol-d6	7.188	99	8908	0.400	ng		0.00
8) Nitrobenzene-d5	9.201	82	6965	0.459	ng		0.00
11) 2-Methylnaphthalene-d10	12.441	152	10427	0.374	ng		0.00
14) 2,4,6-Tribromophenol	16.159	330	1581	0.297	ng		0.00
15) 2-Fluorobiphenyl	13.296	172	16752	0.426	ng		-0.01
27) Fluoranthene-d10	19.446	212	15965	0.367	ng		0.00
31) Terphenyl-d14	20.034	244	9203	0.409	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.432	88	3742	0.439	ng		91
3) n-Nitrosodimethylamine	3.764	42	6438	0.515	ng		88
6) bis(2-Chloroethyl)ether	7.455	93	9637	0.436	ng		93
9) Naphthalene	10.909	128	23721	0.411	ng		100
10) Hexachlorobutadiene	11.197	225	4502	0.411	ng	#	100
12) 2-Methylnaphthalene	12.512	142	14671	0.377	ng		99
16) Acenaphthylene	14.397	152	18941	0.384	ng		100
17) Acenaphthene	14.740	154	12575	0.400	ng		96
18) Fluorene	15.712	166	13965	0.372	ng		99
20) 4,6-Dinitro-2-methylph...	15.787	198	807	0.389	ng		92
21) 4-Bromophenyl-phenylether	16.606	248	4204	0.345	ng	#	84
22) Hexachlorobenzene	16.718	284	5931	0.397	ng		96
23) Atrazine	16.867	200	2659	0.344	ng	#	92
24) Pentachlorophenol	17.065	266	1913	0.339	ng		99
25) Phenanthrene	17.462	178	24657	0.406	ng		99
26) Anthracene	17.549	178	20493	0.366	ng		100
28) Fluoranthene	19.476	202	24765	0.373	ng		98
30) Pyrene	19.838	202	24563	0.454	ng		100
32) Benzo(a)anthracene	21.592	228	16887	0.379	ng		99
33) Chrysene	21.646	228	20194	0.424	ng		99
34) Bis(2-ethylhexyl)phtha...	21.502	149	8577	0.409	ng		98
36) Indeno(1,2,3-cd)pyrene	26.746	276	13835	0.374	ng		96
37) Benzo(b)fluoranthene	23.354	252	16004	0.417	ng	#	94
38) Benzo(k)fluoranthene	23.407	252	15866	0.400	ng	#	95
39) Benzo(a)pyrene	24.003	252	13410	0.381	ng	#	90
40) Dibenzo(a,h)anthracene	26.769	278	10174	0.355	ng		93
41) Benzo(g,h,i)perylene	27.556	276	13258	0.396	ng		95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031723\
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Instrument :
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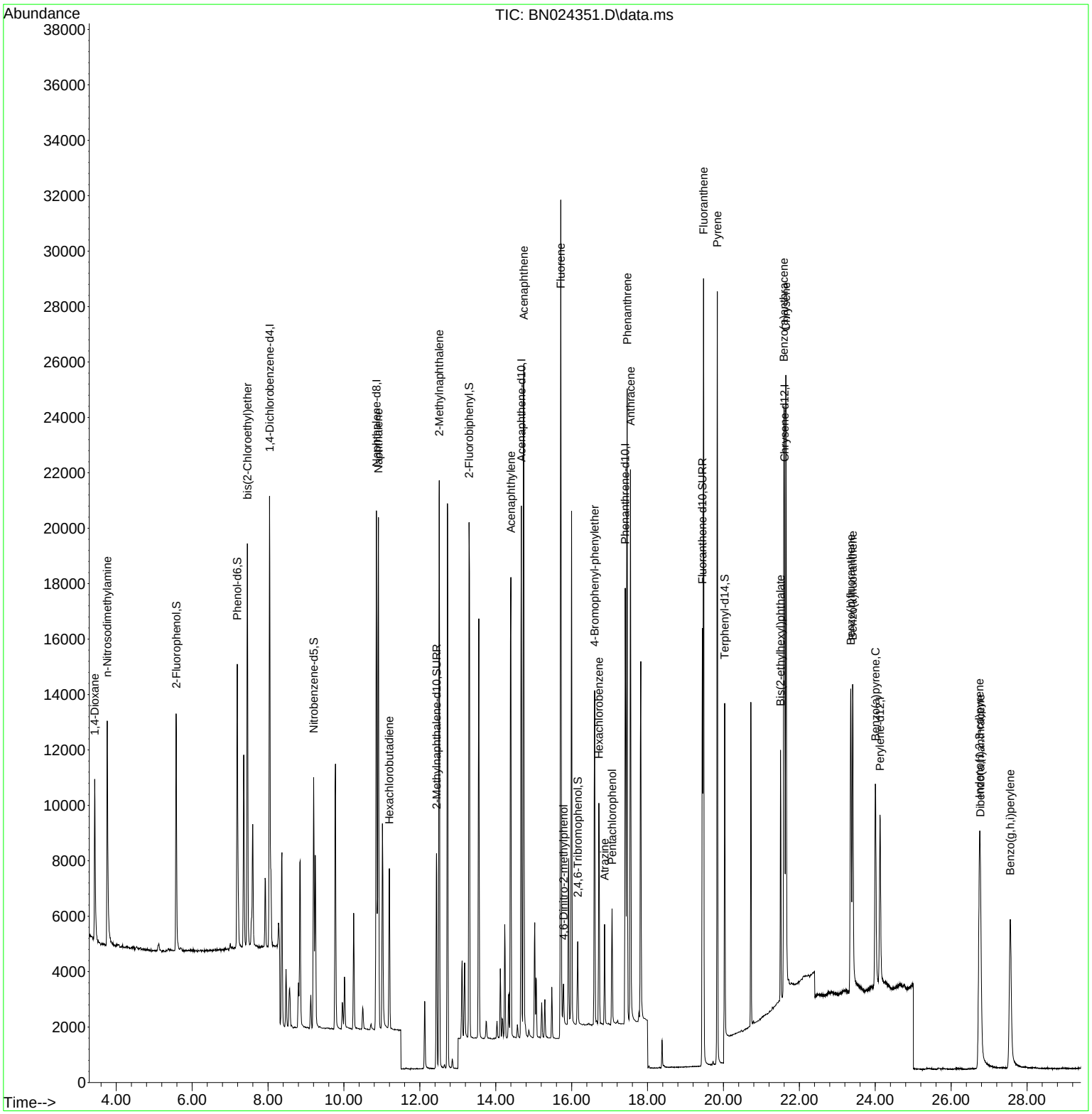
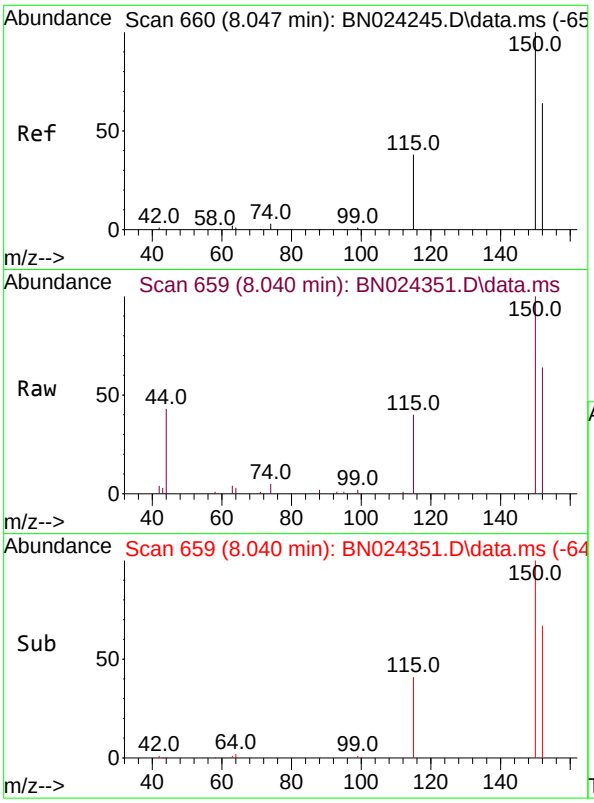
Quant Time: Mar 17 23:29:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 17 04:37:08 2023
Response via : Initial Calibration



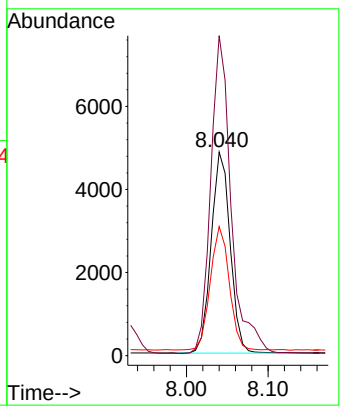


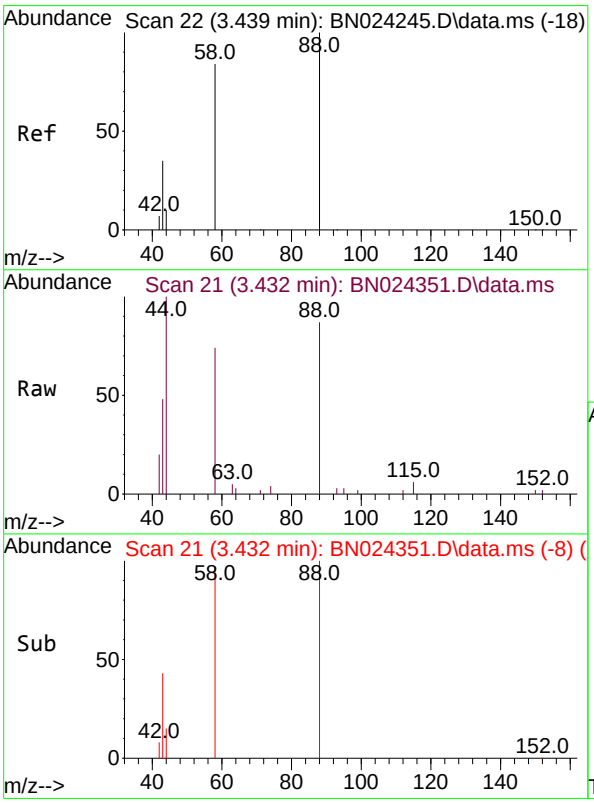
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.040 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:152 Resp: 7837

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.7	187.1
115	63.3	49.1	73.7

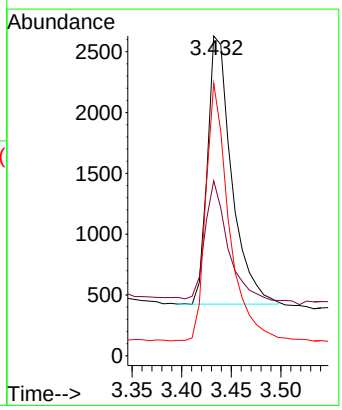


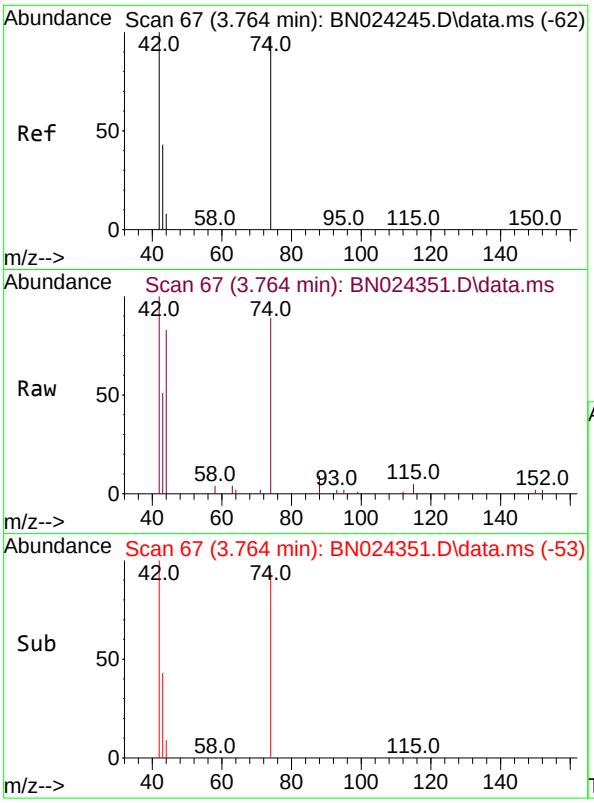


#2
1,4-Dioxane
Concen: 0.439 ng
RT: 3.432 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion: 88 Resp: 3742

Ion	Ratio	Lower	Upper
88	100		
43	42.2	29.0	43.4
58	91.7	67.3	100.9



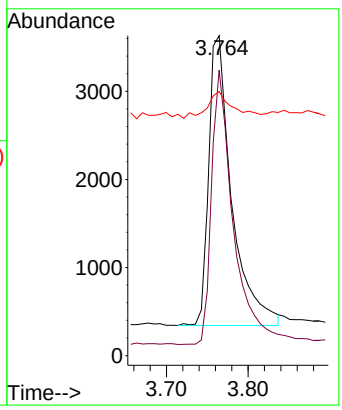


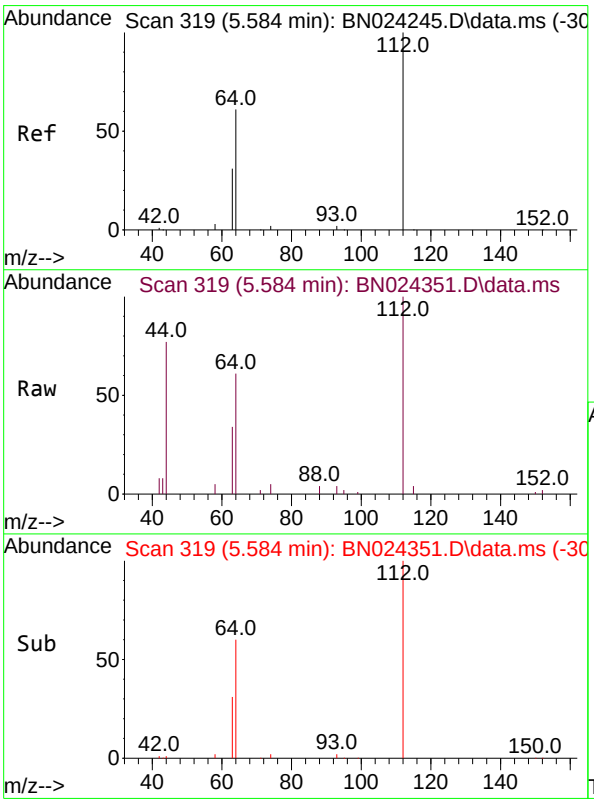
#3
n-Nitrosodimethylamine
Concen: 0.515 ng
RT: 3.764 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion: 42 Resp: 6438

Ion	Ratio	Lower	Upper
42	100		
74	88.8	81.6	122.4
44	10.3	7.3	10.9

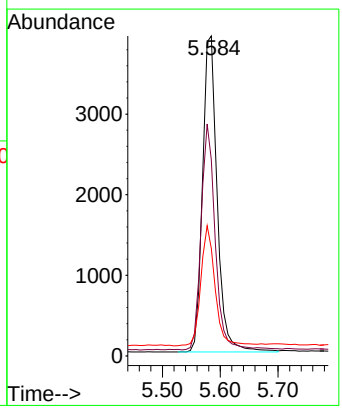


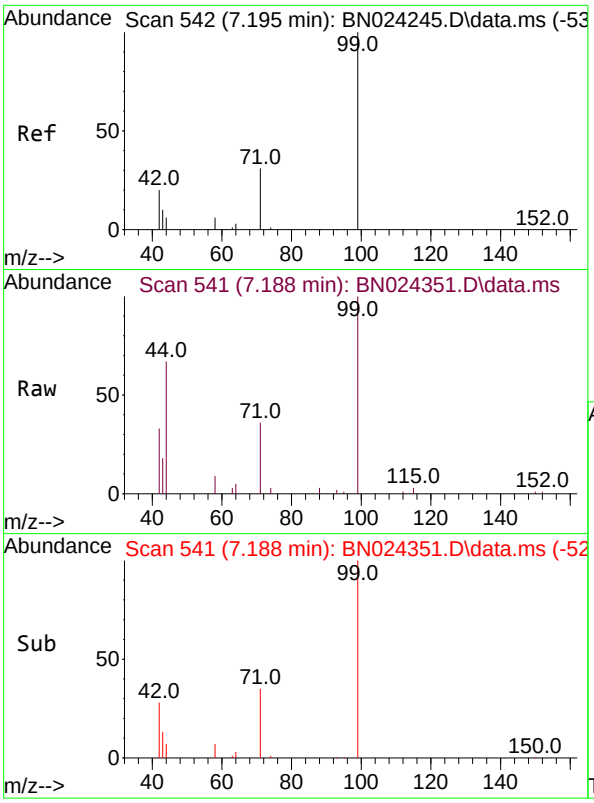


#4
2-Fluorophenol
Concen: 0.396 ng
RT: 5.584 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:112 Resp: 6869

Ion	Ratio	Lower	Upper
112	100		
64	69.0	49.0	73.6
63	36.9	25.7	38.5



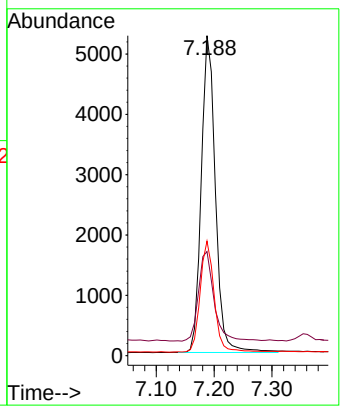


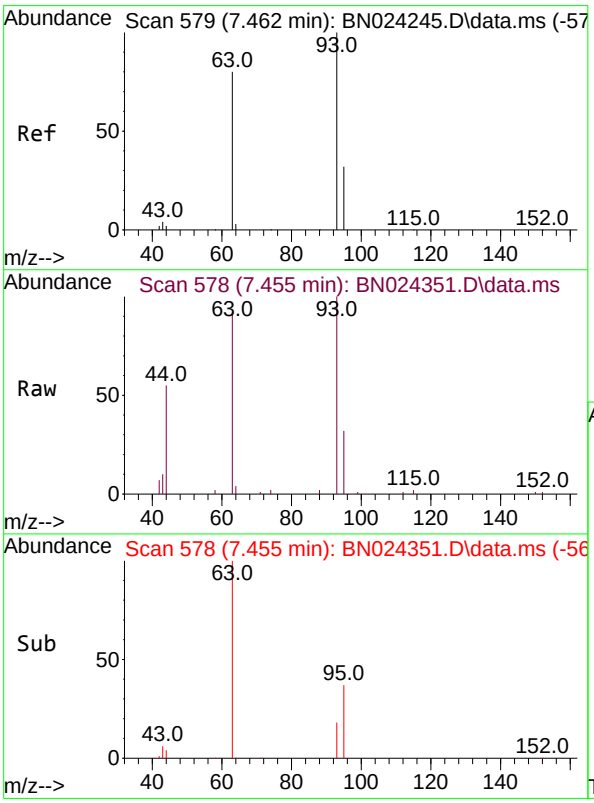
#5
Phenol-d6
Concen: 0.400 ng
RT: 7.188 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion: 99 Resp: 8908

Ion	Ratio	Lower	Upper
99	100		
42	30.8	20.1	30.1#
71	34.9	25.8	38.8

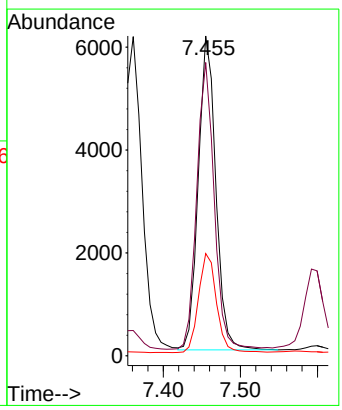


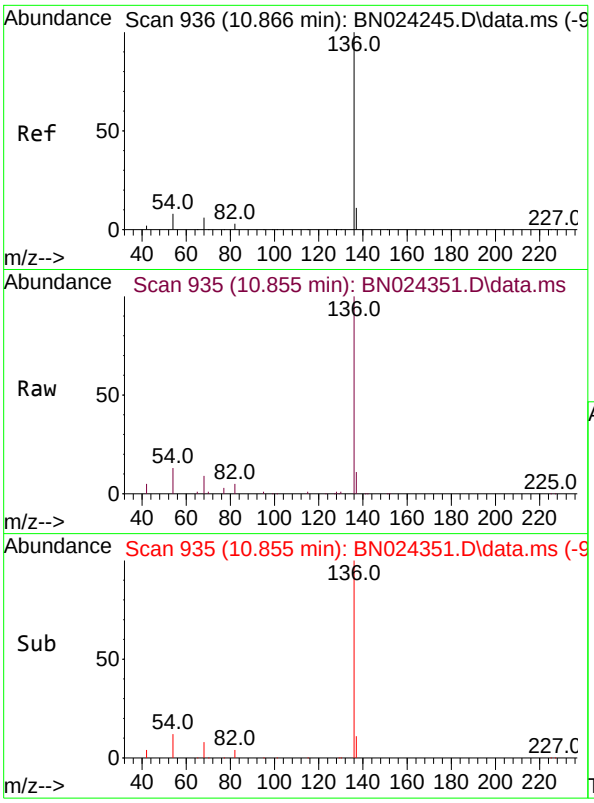


#6
bis(2-Chloroethyl)ether
Concen: 0.436 ng
RT: 7.455 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion: 93 Resp: 9637

Ion	Ratio	Lower	Upper
93	100		
63	90.7	65.4	98.2
95	32.4	25.8	38.8



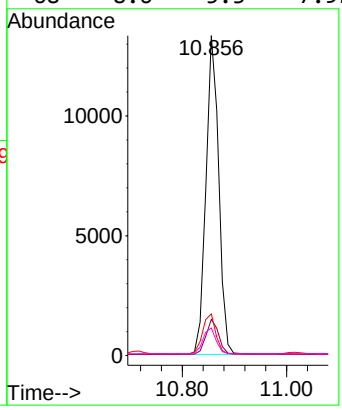


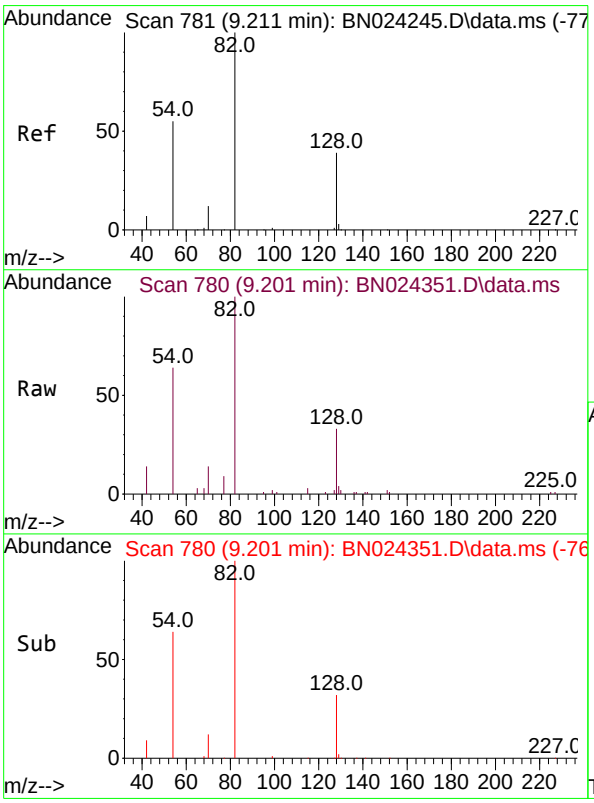
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.855 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:136 Resp: 22692

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	13.0	7.1	10.7#
68	8.6	5.3	7.9#

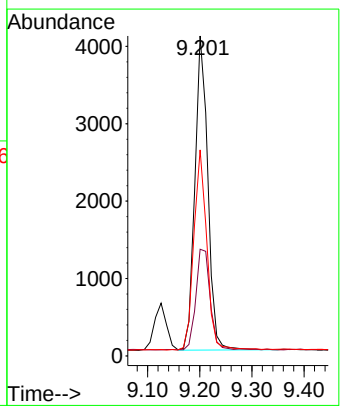


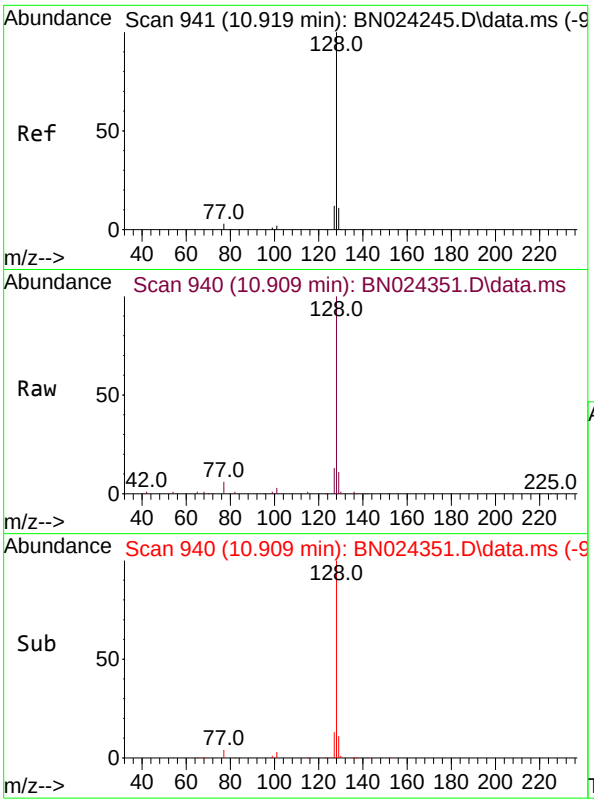


#8
Nitrobenzene-d5
Concen: 0.459 ng
RT: 9.201 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion: 82 Resp: 6965

Ion	Ratio	Lower	Upper
82	100		
128	33.3	32.4	48.6
54	64.4	45.2	67.8



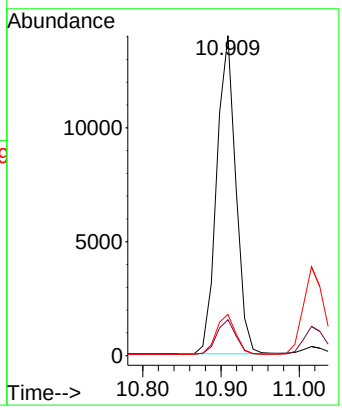


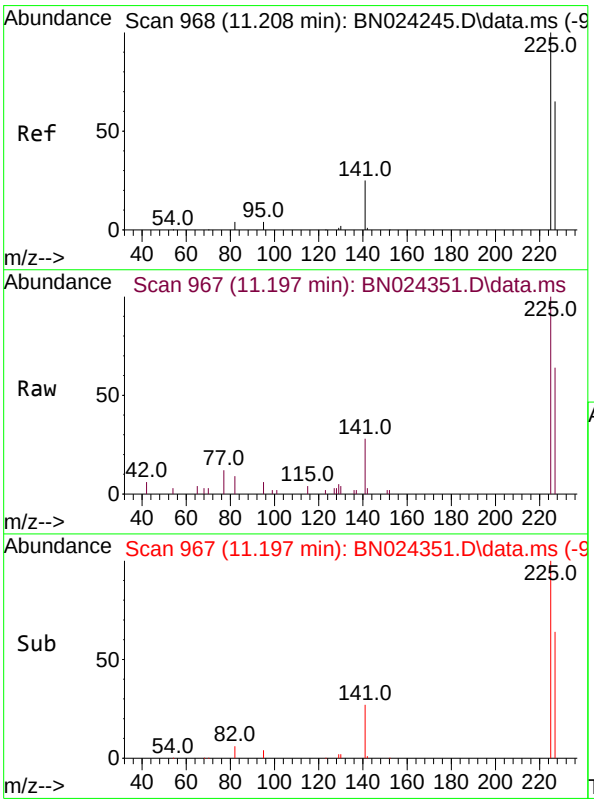
#9
Naphthalene
Concen: 0.411 ng
RT: 10.909 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:128 Resp: 23721

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	12.9	10.2	15.4

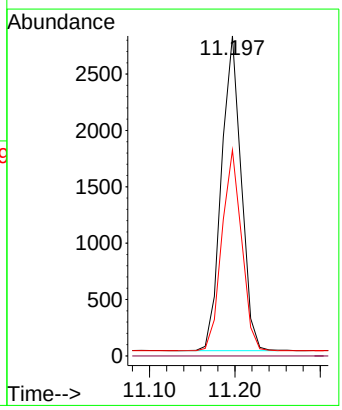


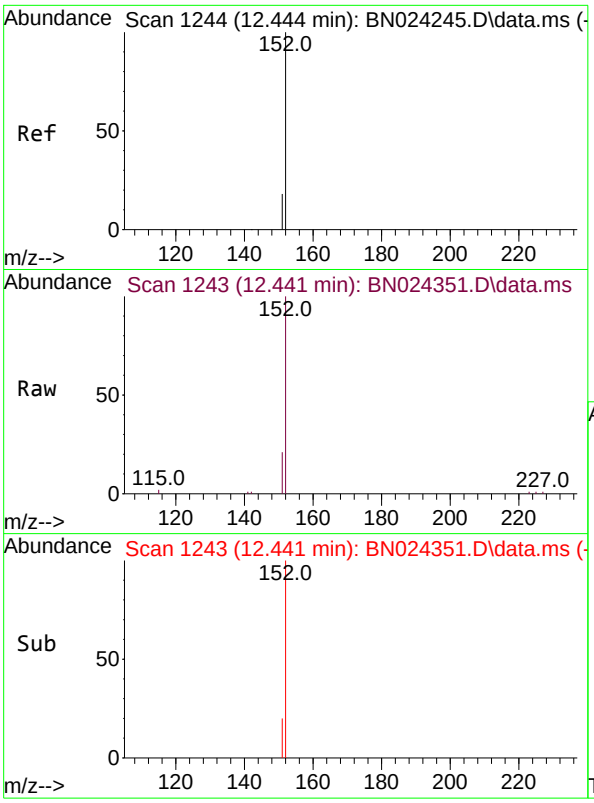


#10
Hexachlorobutadiene
Concen: 0.411 ng
RT: 11.197 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:225 Resp: 4502

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.0	76.4



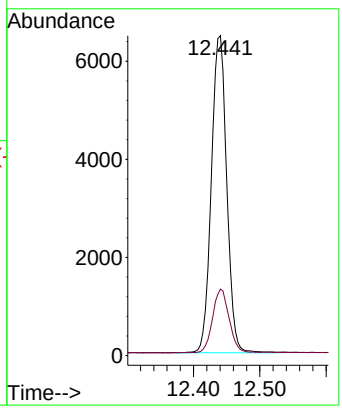


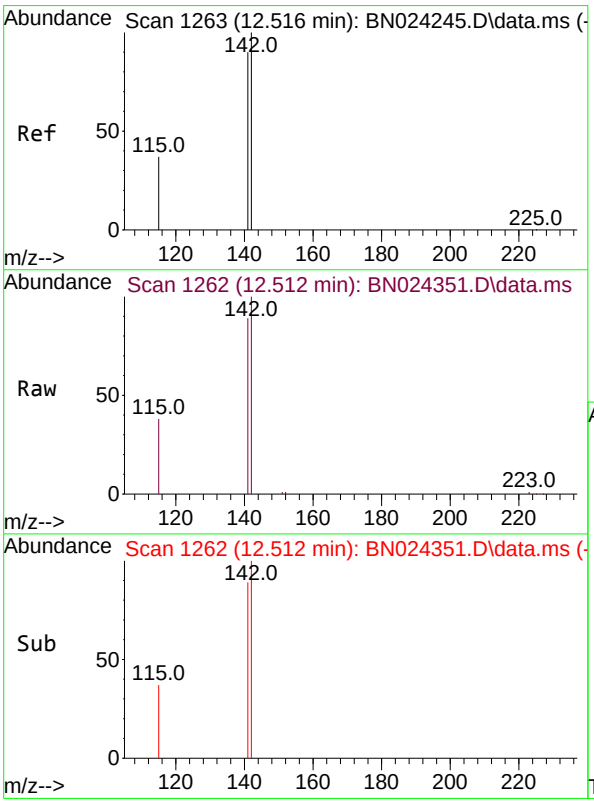
#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.441 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:152 Resp: 10427

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.8	25.2

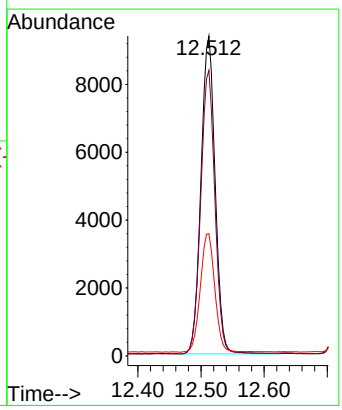


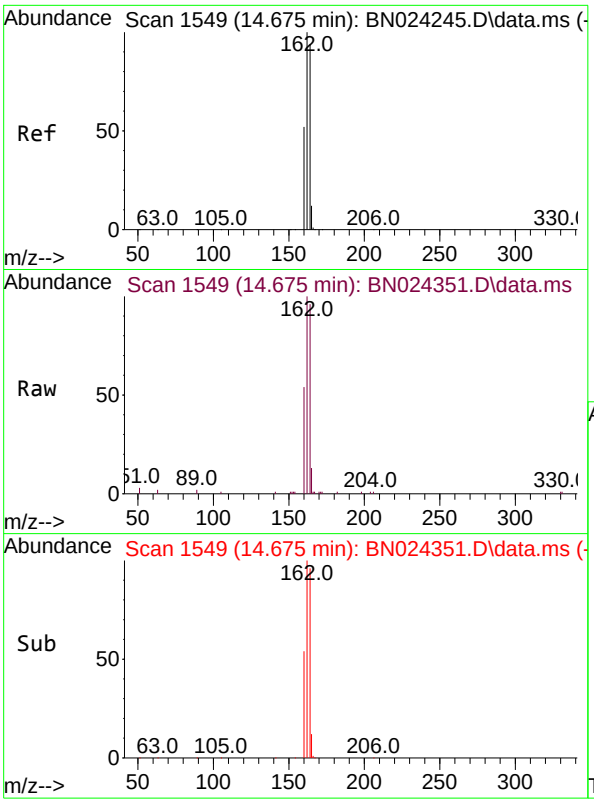


#12
2-Methylnaphthalene
Concen: 0.377 ng
RT: 12.512 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:142 Resp: 14671

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.8	107.6
115	38.2	30.0	45.0



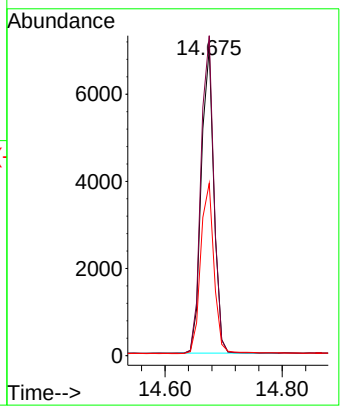


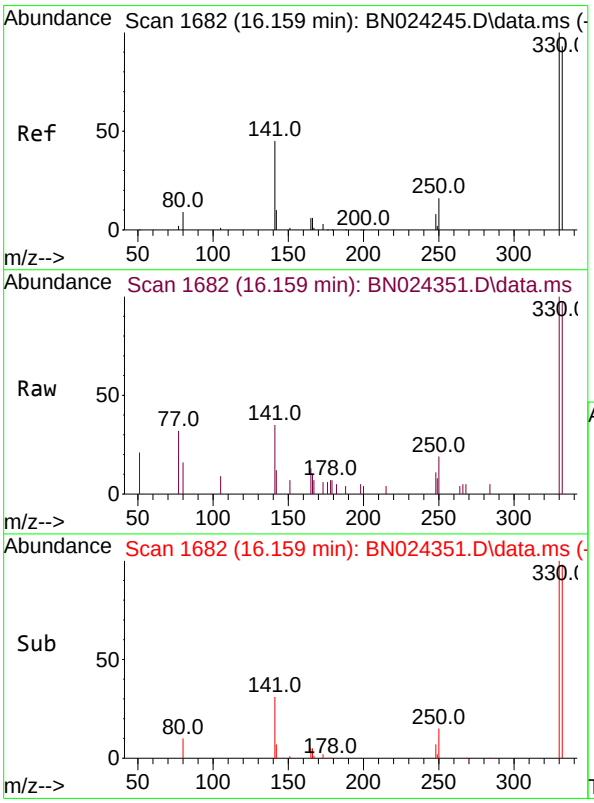
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.675 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:164 Resp: 10414

Ion	Ratio	Lower	Upper
164	100		
162	104.2	84.7	127.1
160	56.1	44.6	66.8

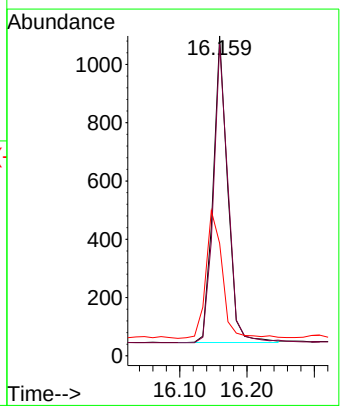


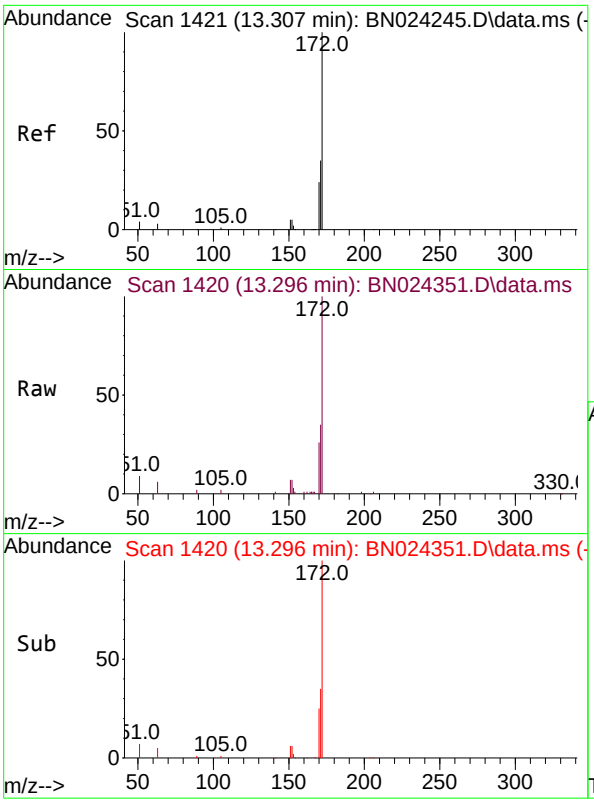


#14
2,4,6-Tribromophenol
Concen: 0.297 ng
RT: 16.159 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:330 Resp: 1581

Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.0	117.0
141	47.0	30.8	46.2#



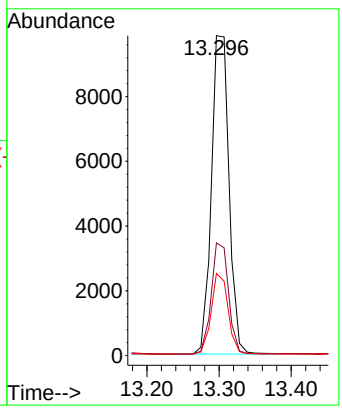


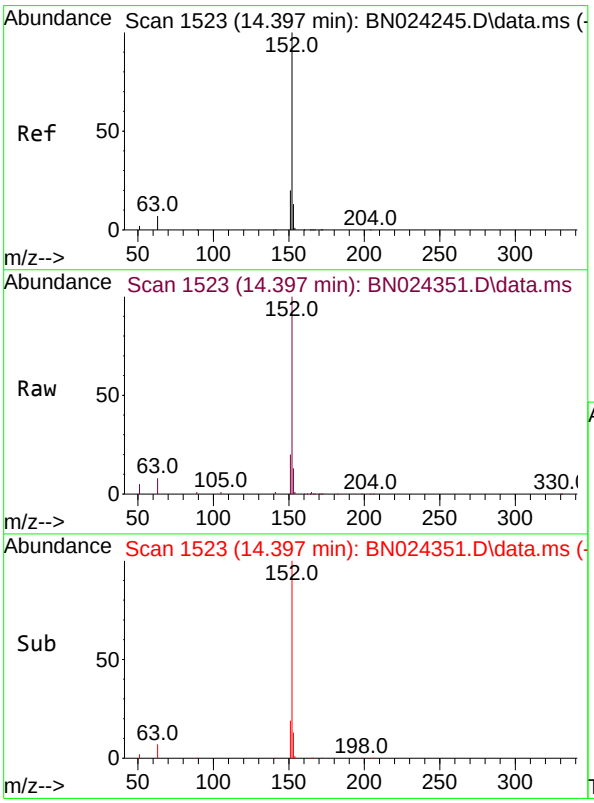
#15
2-Fluorobiphenyl
Concen: 0.426 ng
RT: 13.296 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:172 Resp: 16752

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	25.7	19.0	28.6

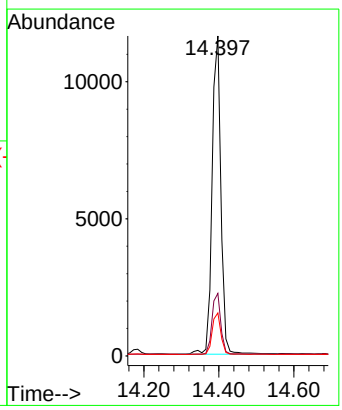


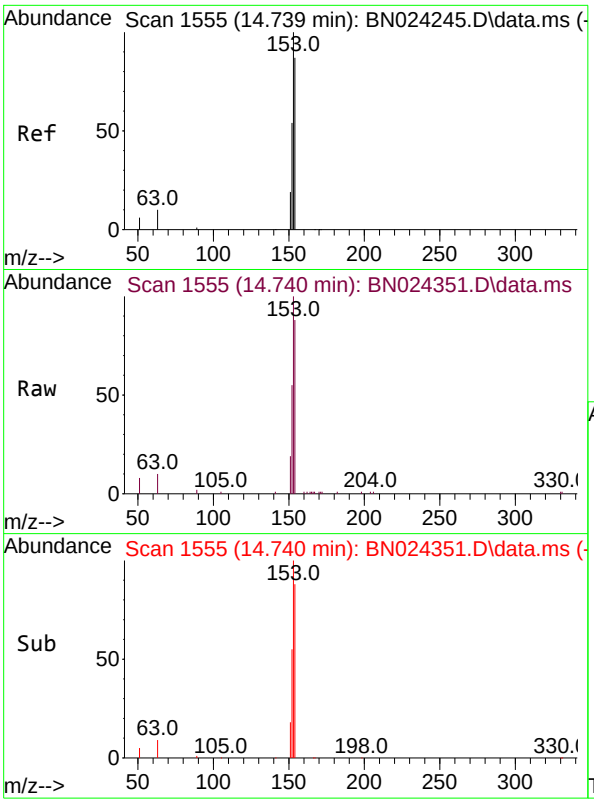


#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.397 min Scan# 1523
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:152 Resp: 18941

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0
153	13.1	10.4	15.6



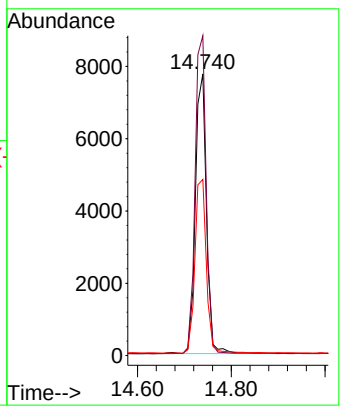


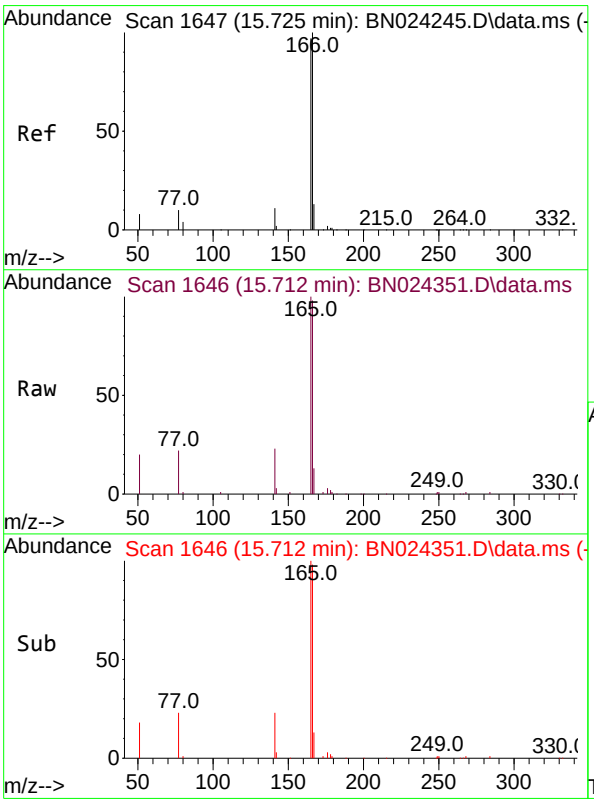
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.740 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:154 Resp: 12575

Ion	Ratio	Lower	Upper
154	100		
153	114.6	88.4	132.6
152	64.6	48.7	73.1

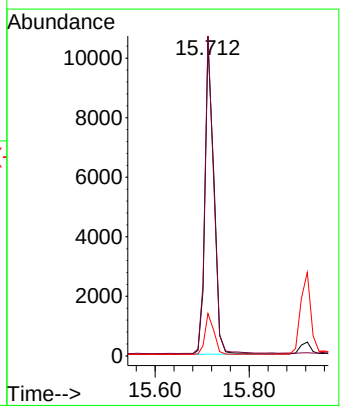


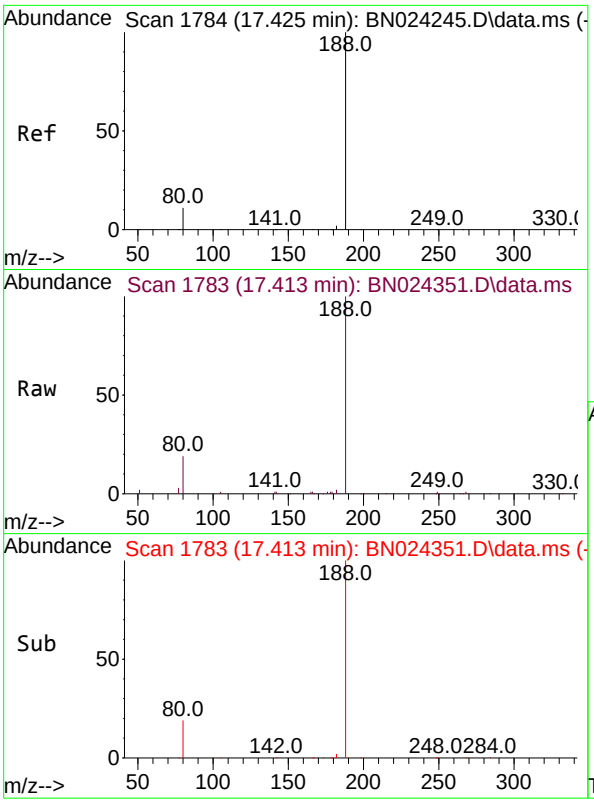


#18
Fluorene
Concen: 0.372 ng
RT: 15.712 min Scan# 1646
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:166 Resp: 13965

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.2	120.2
167	13.3	10.8	16.2



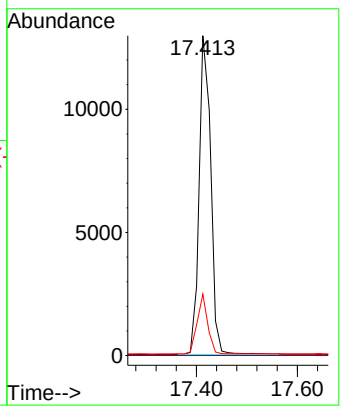


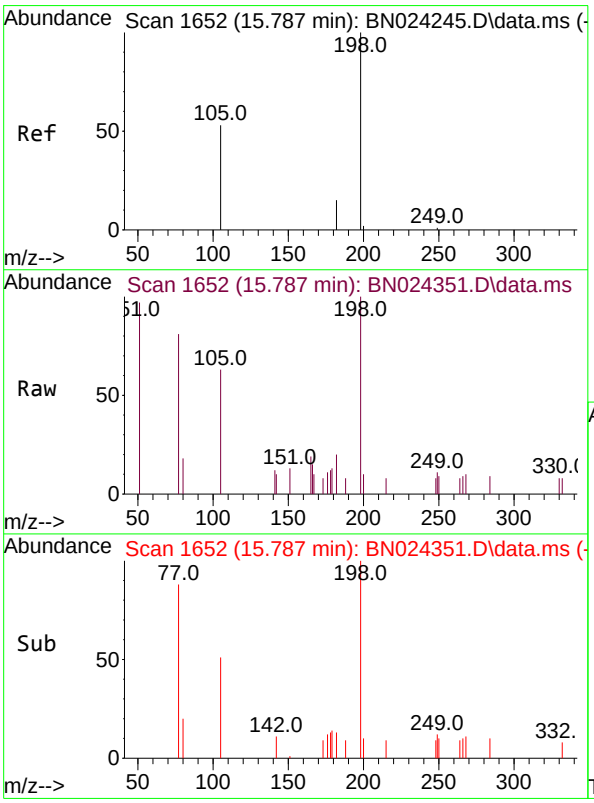
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.413 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:188 Resp: 20497

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	19.2	8.9	13.3#

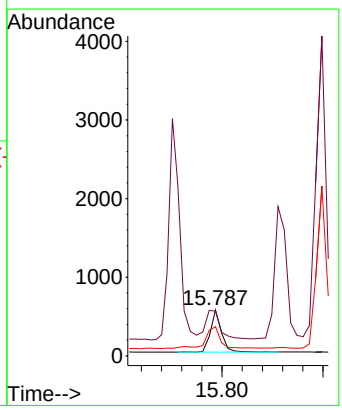


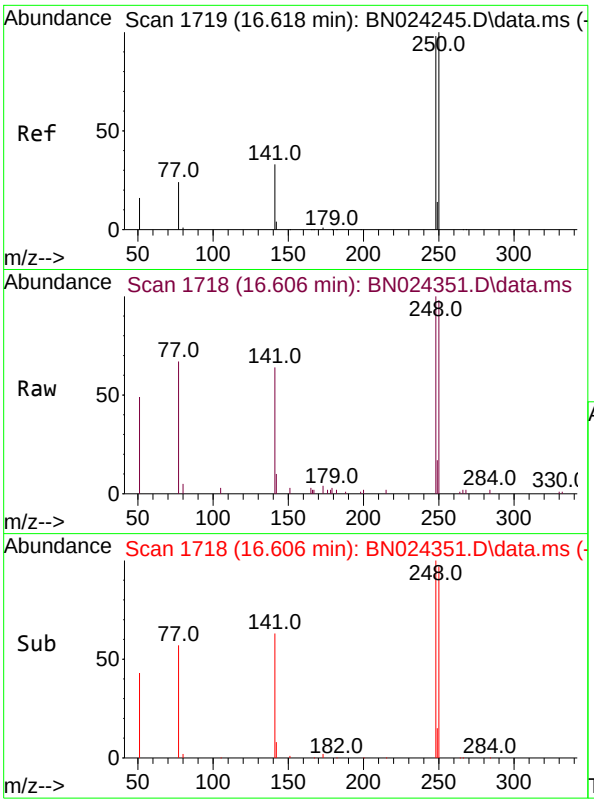


#20
4,6-Dinitro-2-methylphenol
Concen: 0.389 ng
RT: 15.787 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:198 Resp: 807

Ion	Ratio	Lower	Upper
198	100		
51	97.1	68.2	102.2
105	63.4	51.6	77.4



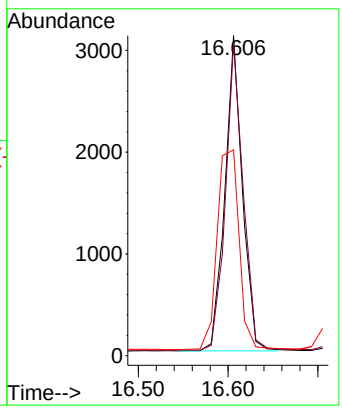


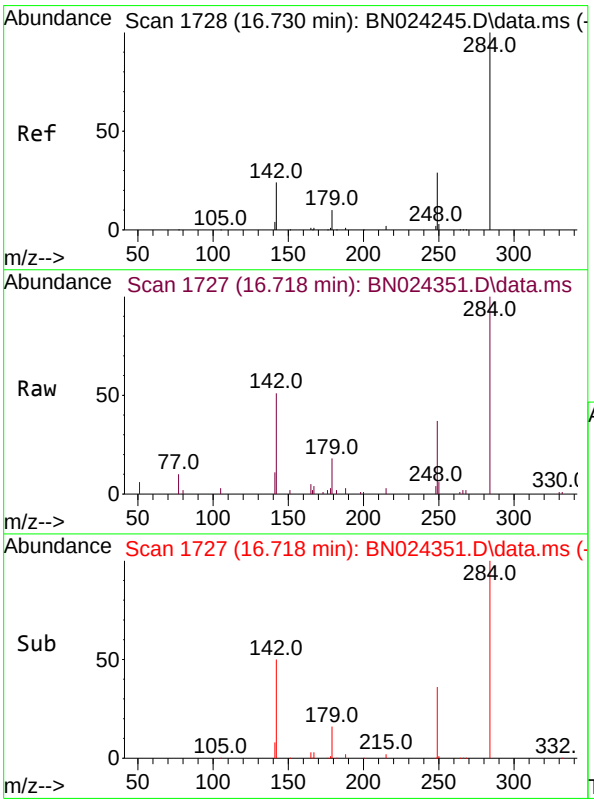
#21
4-Bromophenyl-phenylether
Concen: 0.345 ng
RT: 16.606 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:248 Resp: 4204

Ion	Ratio	Lower	Upper
248	100		
250	97.6	81.9	122.9
141	64.3	28.2	42.2#

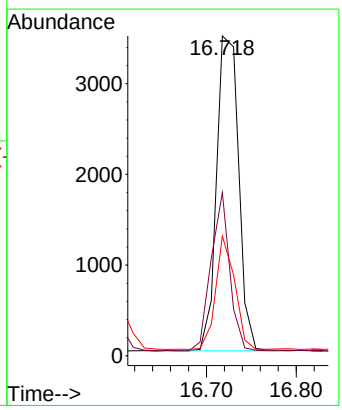


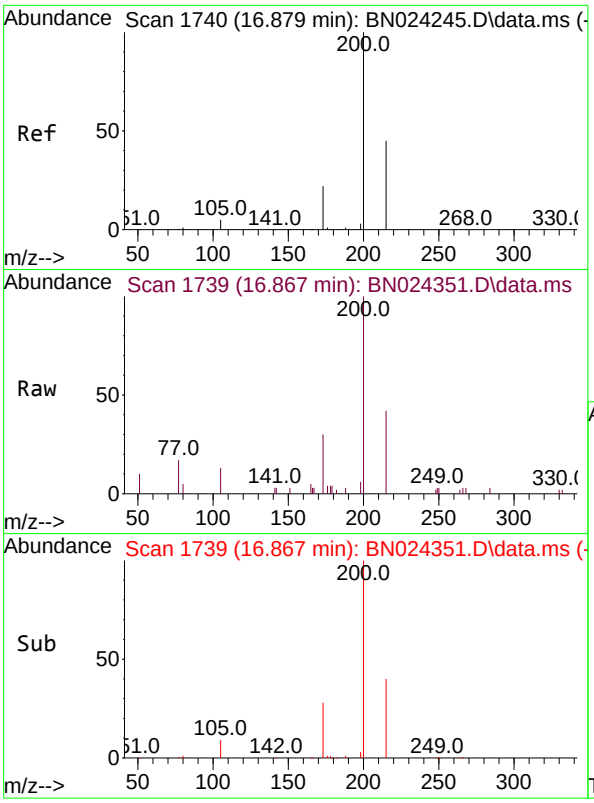


#22
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.718 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:284 Resp: 5931

Ion	Ratio	Lower	Upper
284	100		
142	42.1	30.2	45.4
249	30.9	24.5	36.7



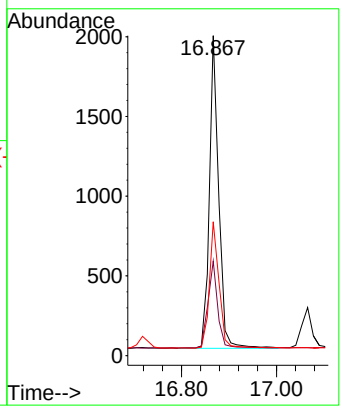


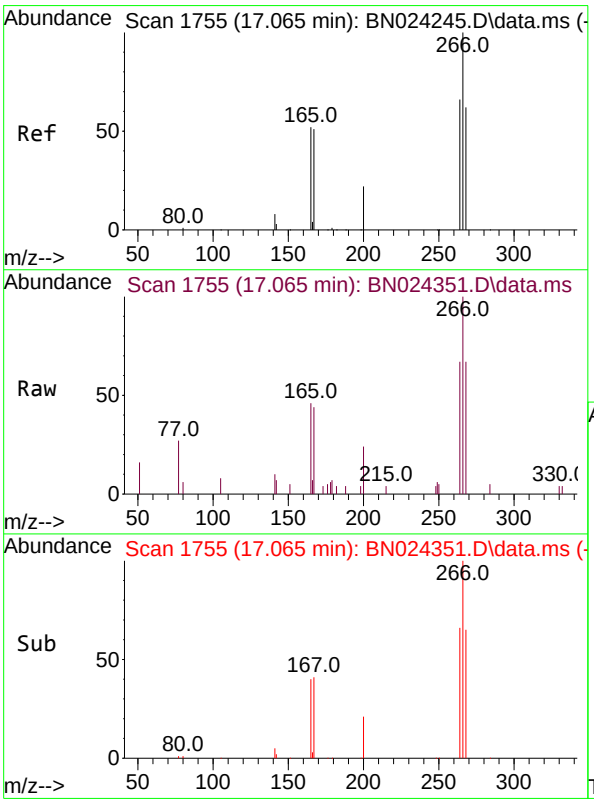
#23
Atrazine
Concen: 0.344 ng
RT: 16.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:200 Resp: 2659

Ion	Ratio	Lower	Upper
200	100		
173	29.5	18.9	28.3#
215	41.9	36.7	55.1

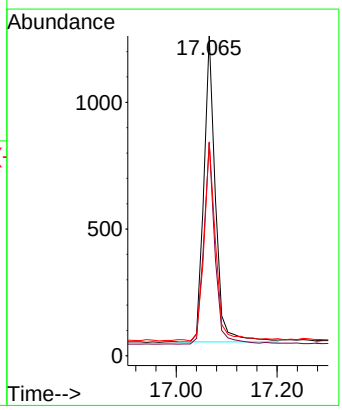


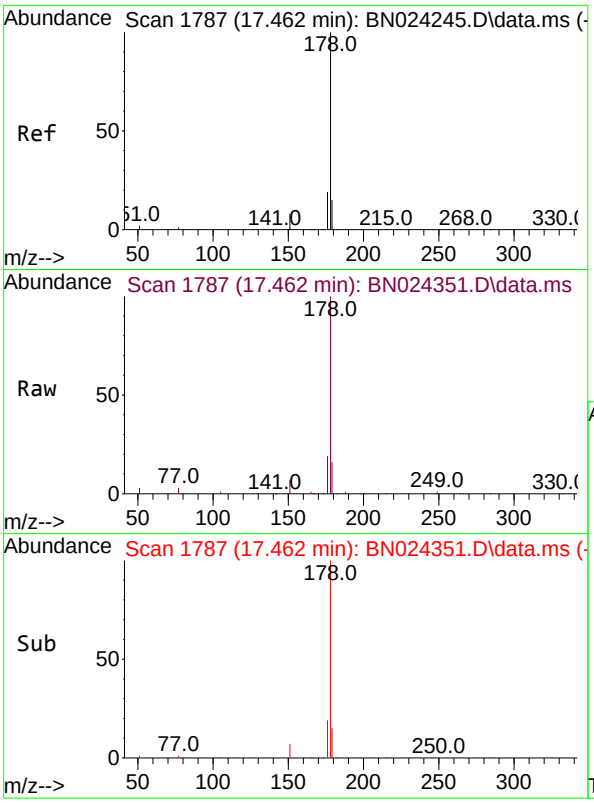


#24
Pentachlorophenol
Concen: 0.339 ng
RT: 17.065 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:266 Resp: 1913

Ion	Ratio	Lower	Upper
266	100		
264	63.4	51.1	76.7
268	63.6	52.2	78.4



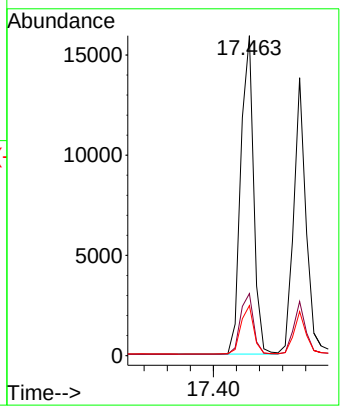


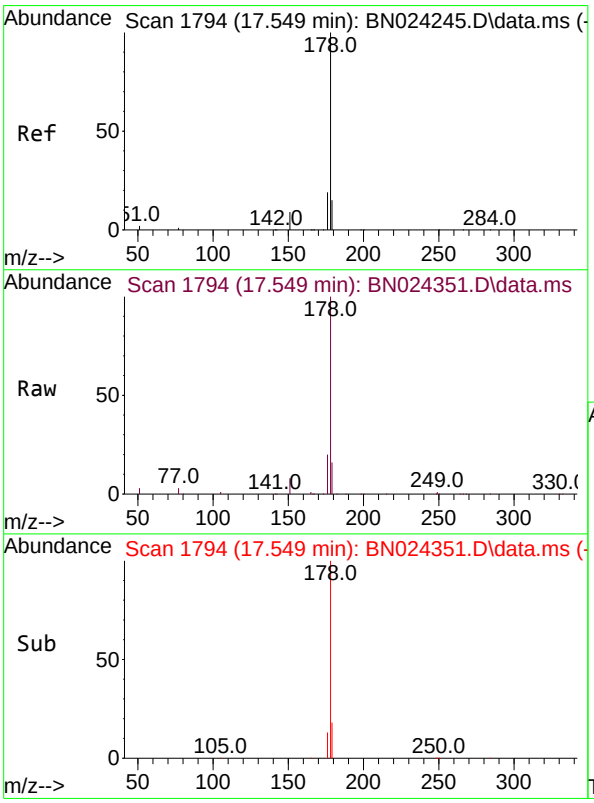
#25
Phenanthrene
Concen: 0.406 ng
RT: 17.462 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:178 Resp: 24657

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.5	12.2	18.2

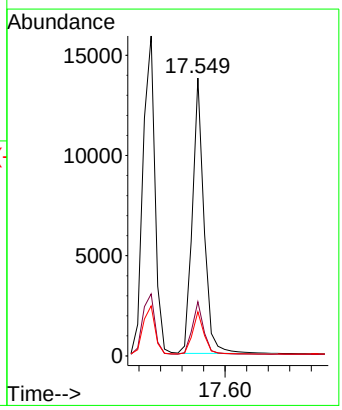


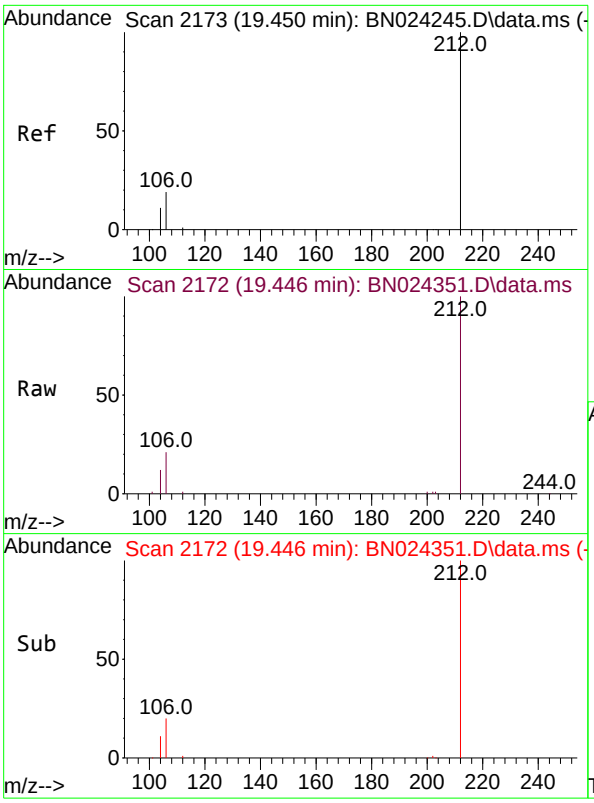


#26
Anthracene
Concen: 0.366 ng
RT: 17.549 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:178 Resp: 20493

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.2	12.1	18.1



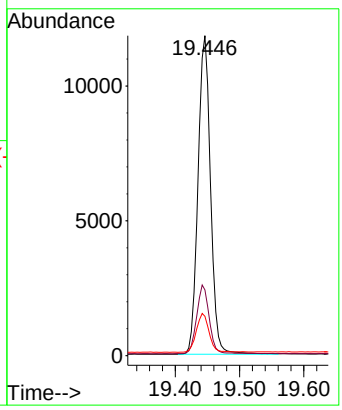


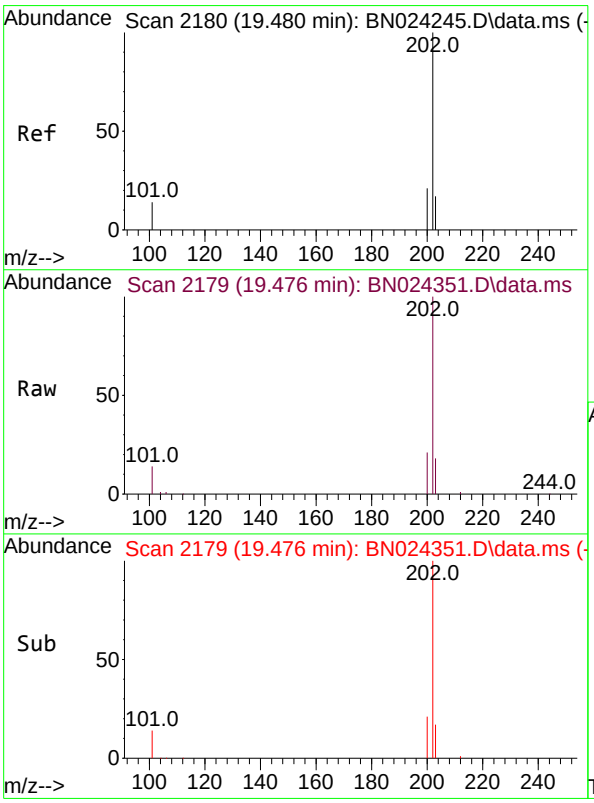
#27
Fluoranthene-d10
Concen: 0.367 ng
RT: 19.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:212 Resp: 15965

Ion	Ratio	Lower	Upper
212	100		
106	21.4	15.4	23.2
104	12.4	8.6	13.0

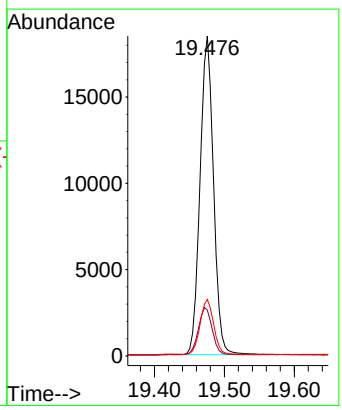


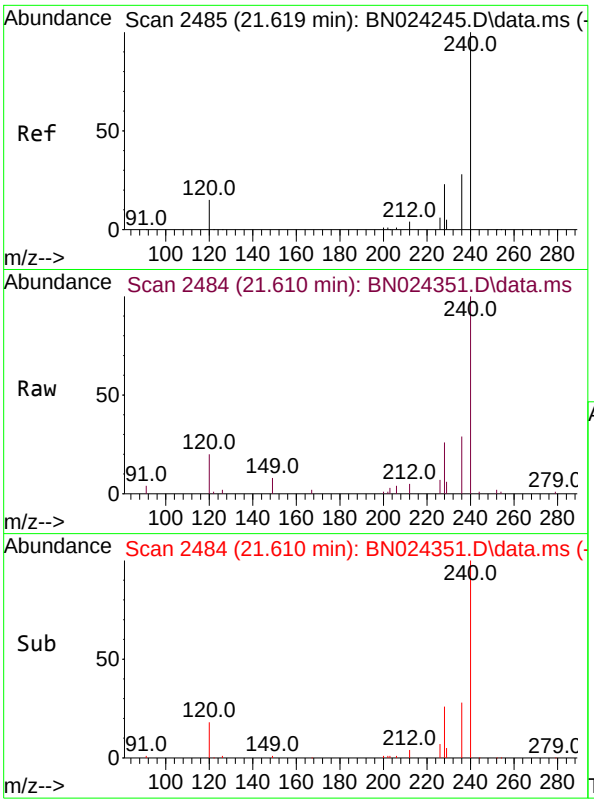


#28
Fluoranthene
Concen: 0.373 ng
RT: 19.476 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:202 Resp: 24765

Ion	Ratio	Lower	Upper
202	100		
101	15.3	11.3	16.9
203	17.2	13.6	20.4



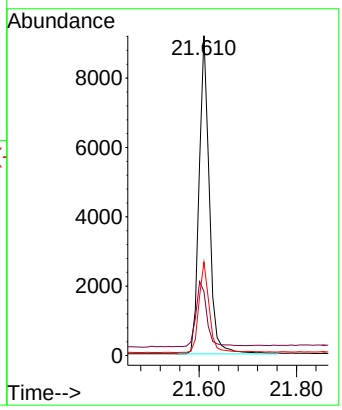


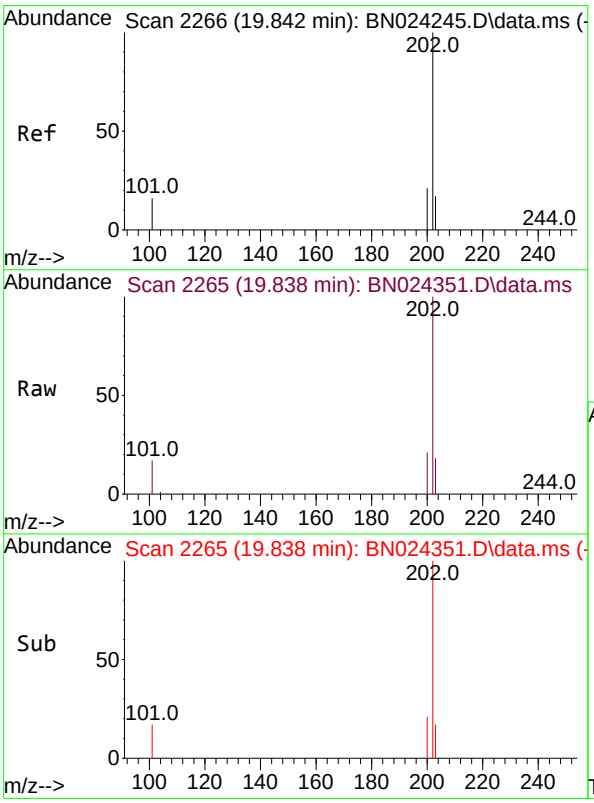
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.610 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:240 Resp: 13355

Ion	Ratio	Lower	Upper
240	100		
120	20.0	12.8	19.2#
236	29.2	22.5	33.7

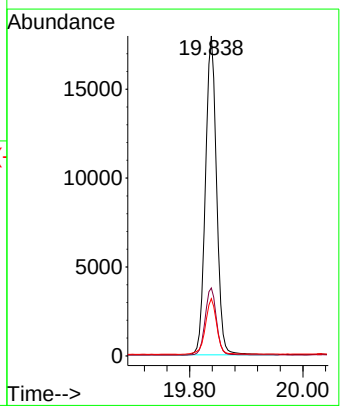


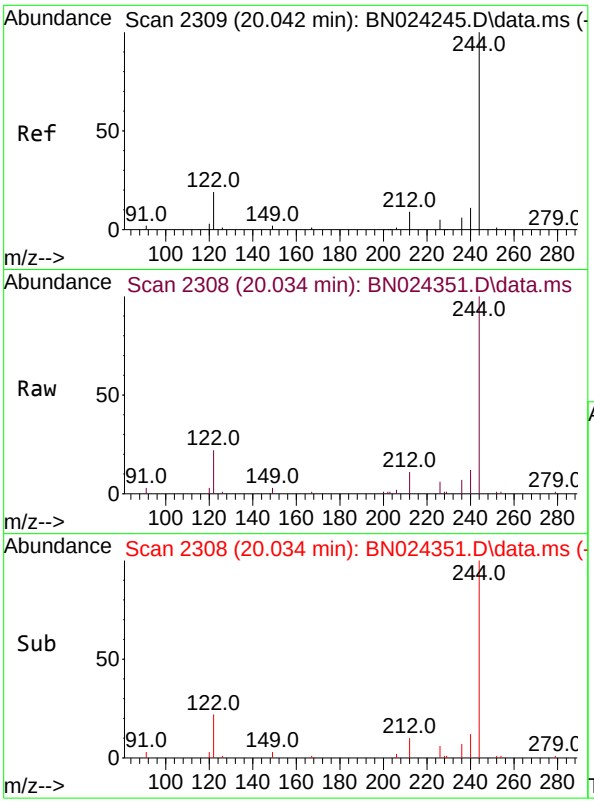


#30
Pyrene
Concen: 0.454 ng
RT: 19.838 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:202 Resp: 24563

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.7	14.2	21.2



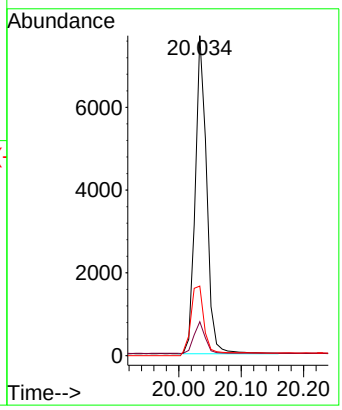


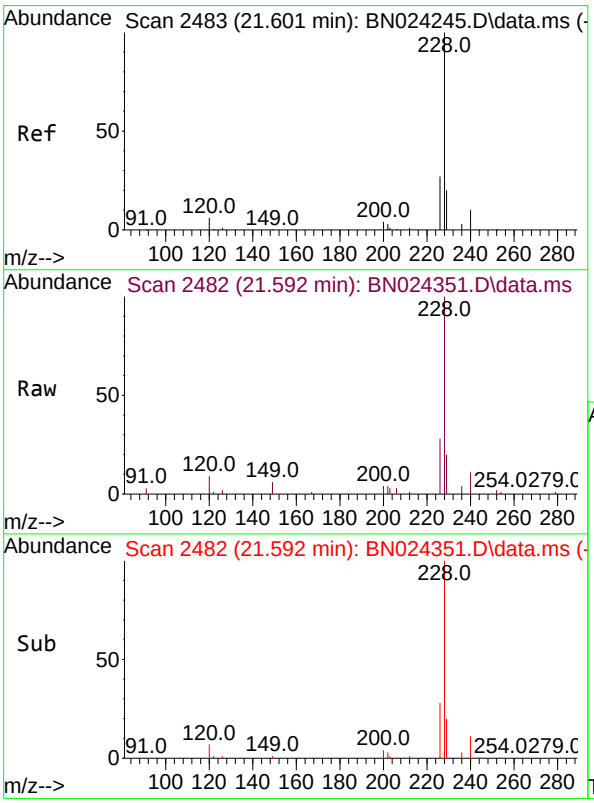
#31
Terphenyl-d14
Concen: 0.409 ng
RT: 20.034 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:244 Resp: 9203

Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.6	11.4
122	21.7	15.1	22.7

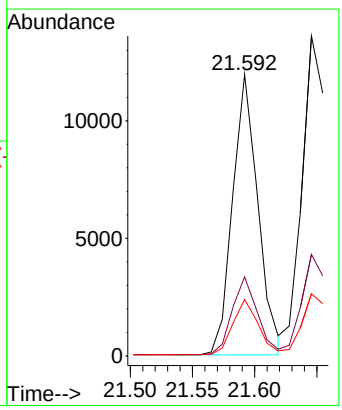


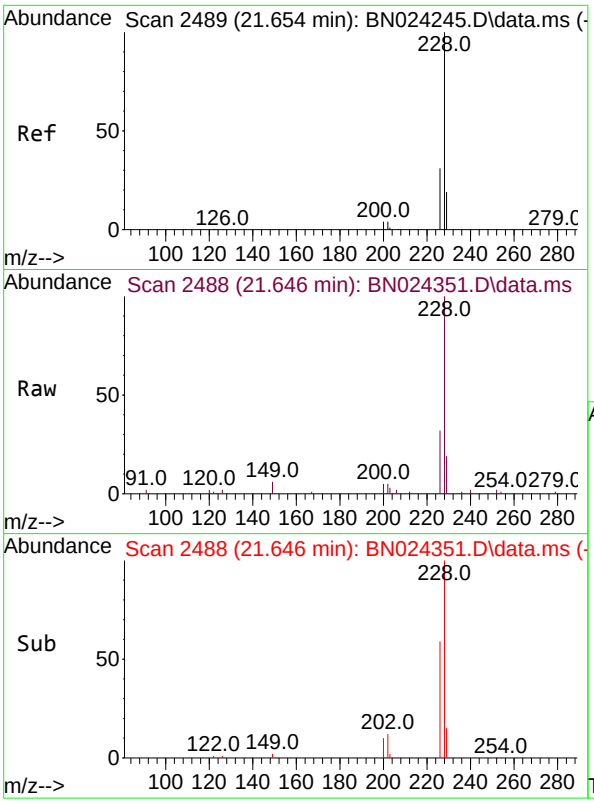


#32
Benzo(a)anthracene
Concen: 0.379 ng
RT: 21.592 min Scan# 2482
Delta R.T. 0.009 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:228 Resp: 16887

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	20.1	15.9	23.9



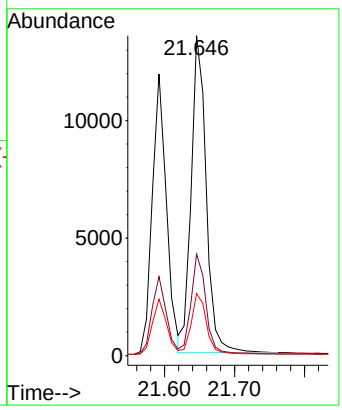


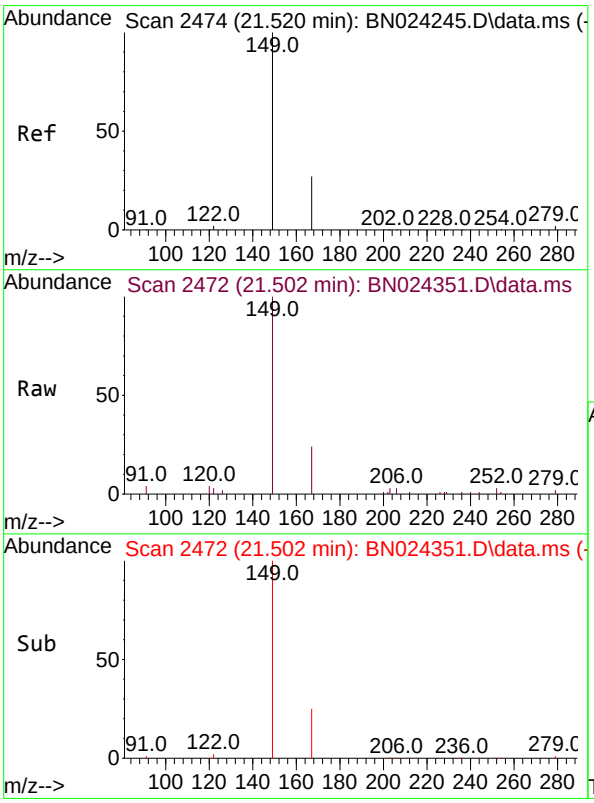
#33
Chrysene
Concen: 0.424 ng
RT: 21.646 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:228 Resp: 20194

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.5	36.7
229	19.4	15.5	23.3

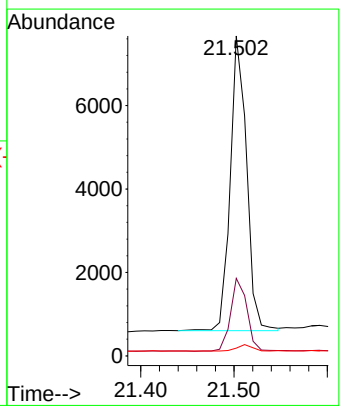


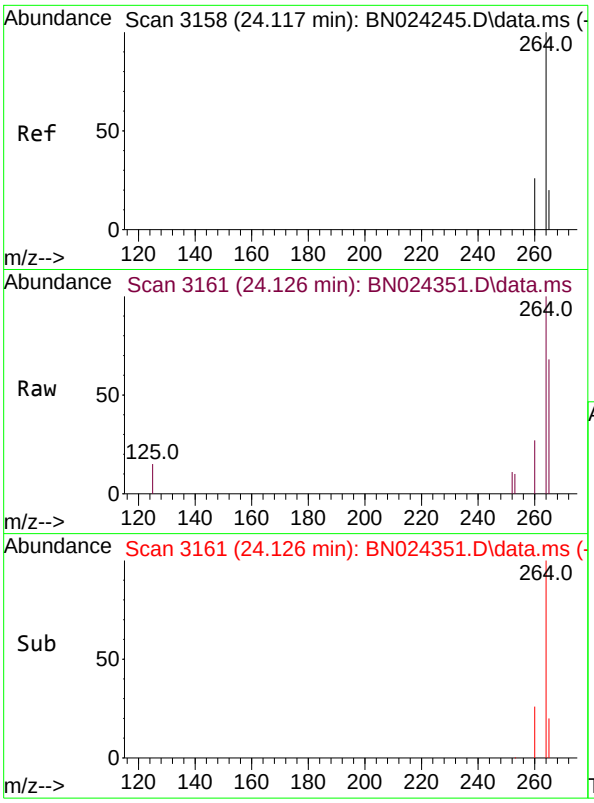


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.409 ng
RT: 21.502 min Scan# 2472
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:149 Resp: 8577

Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.2	31.8
279	2.1	1.8	2.8



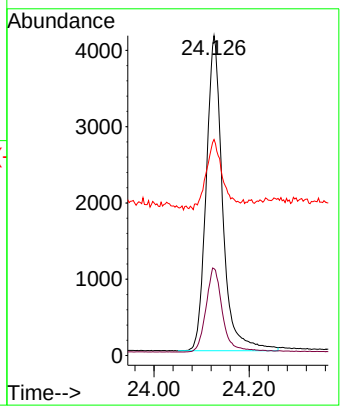


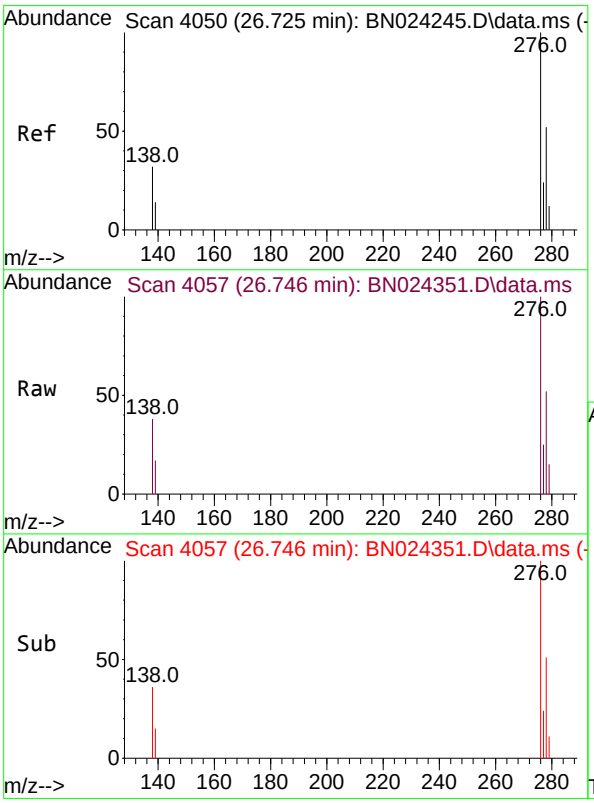
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.126 min Scan# 3
Delta R.T. 0.012 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:264 Resp: 9878

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.4	32.2
265	67.5	35.7	53.5#

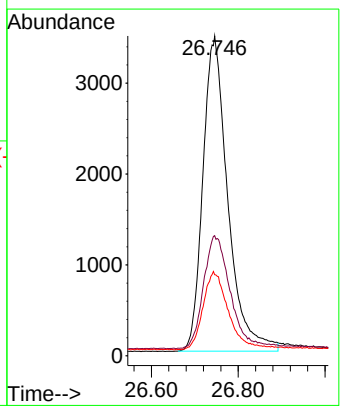


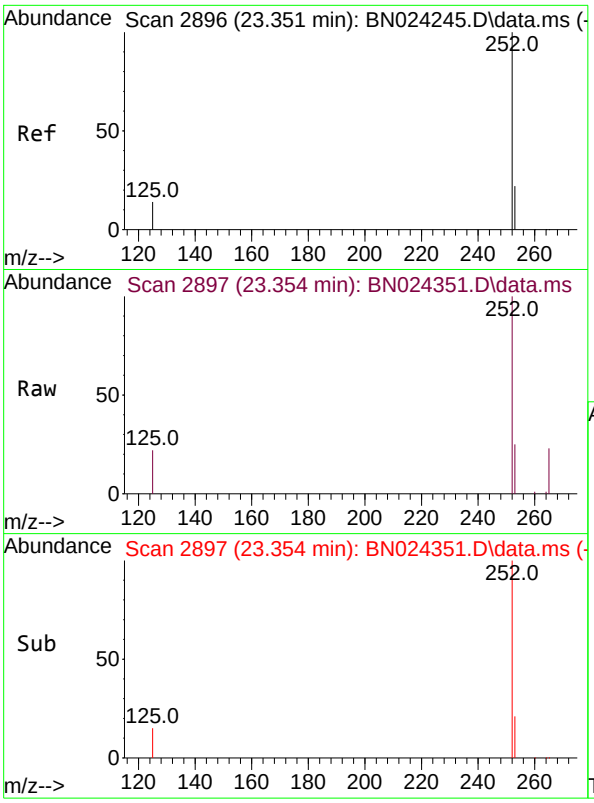


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 26.746 min Scan# 4057
Delta R.T. 0.006 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:276 Resp: 13835

Ion	Ratio	Lower	Upper
276	100		
138	38.4	27.4	41.2
277	24.9	19.8	29.6



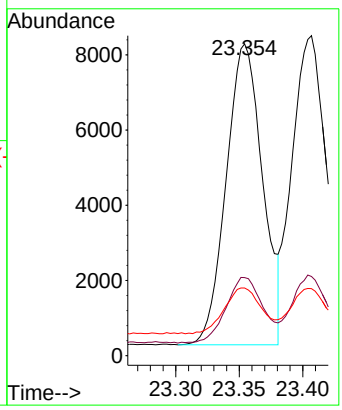


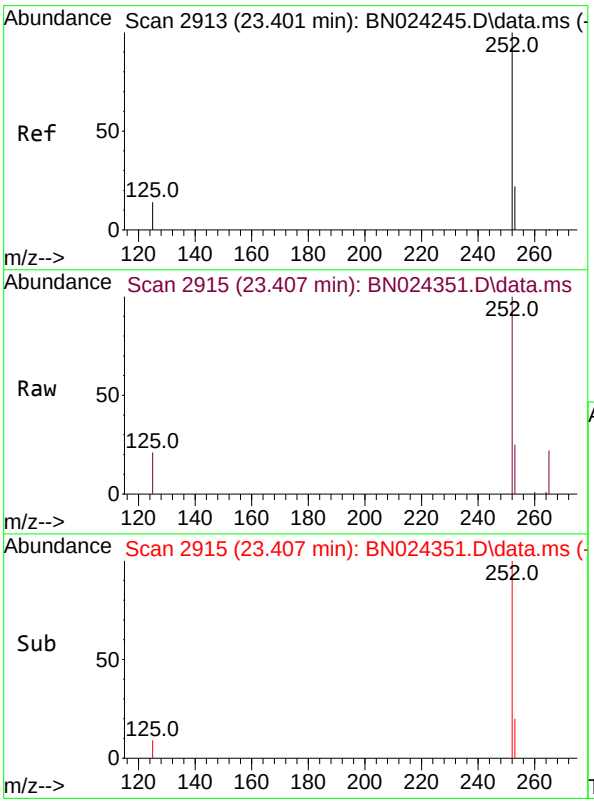
#37
Benzo(b)fluoranthene
Concen: 0.417 ng
RT: 23.354 min Scan# 28
Delta R.T. 0.012 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:252 Resp: 16004

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.9	28.3
125	21.7	13.8	20.6#

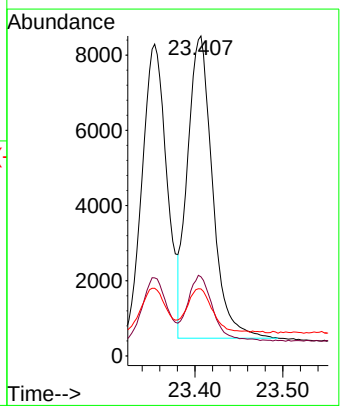


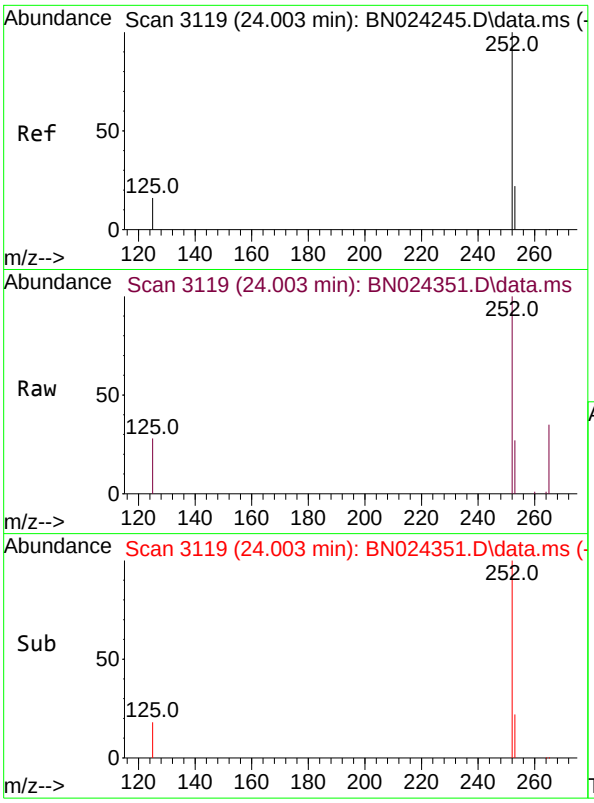


#38
Benzo(k)fluoranthene
Concen: 0.400 ng
RT: 23.407 min Scan# 2915
Delta R.T. 0.012 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:252 Resp: 15866

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.0	28.6
125	20.9	13.5	20.3#



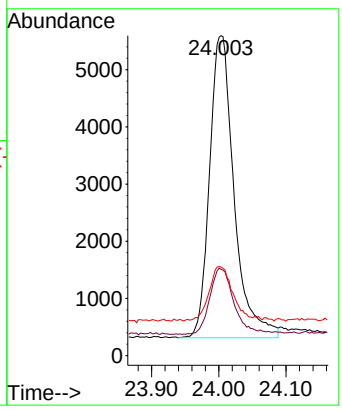


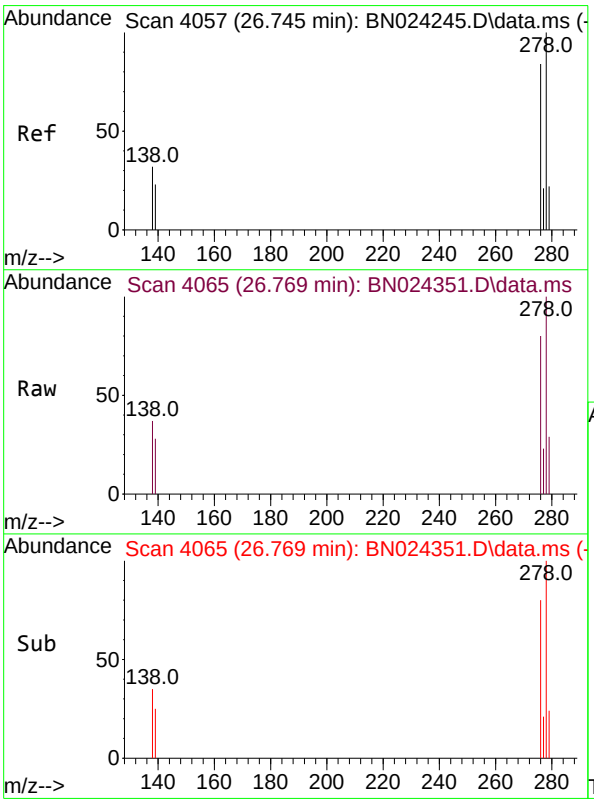
#39
Benzo(a)pyrene
Concen: 0.381 ng
RT: 24.003 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:252 Resp: 13410

Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.5	29.3
125	27.7	16.2	24.4#

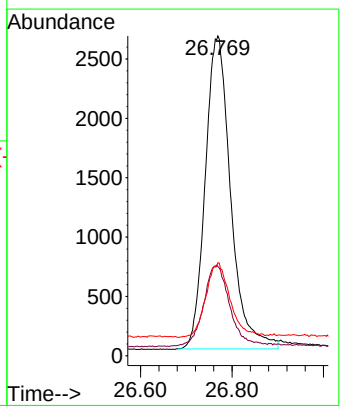


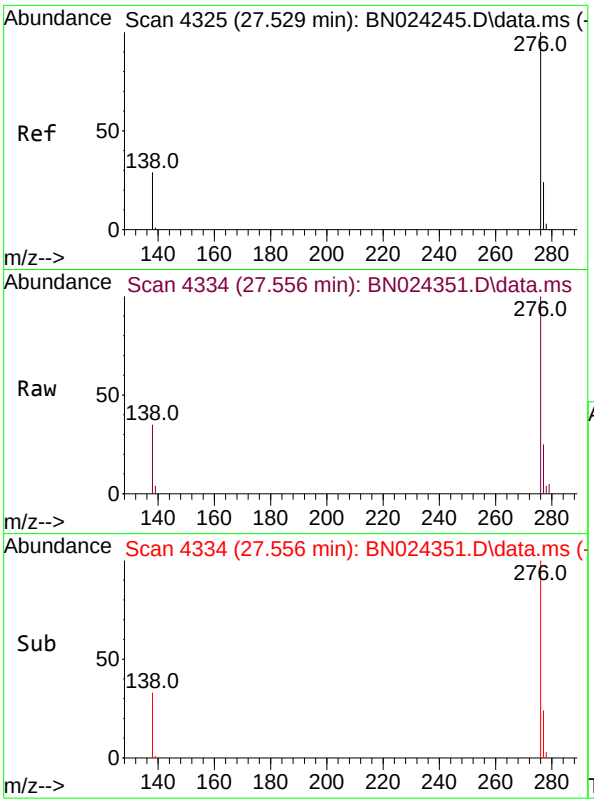


#40
Dibenzo(a,h)anthracene
Concen: 0.355 ng
RT: 26.769 min Scan# 4065
Delta R.T. 0.009 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Tgt Ion:278 Resp: 10174

Ion	Ratio	Lower	Upper
278	100		
139	27.9	19.4	29.0
279	29.1	20.7	31.1





#41
Benzo(g,h,i)perylene
Concen: 0.396 ng
RT: 27.556 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN024351.D
Acq: 17 Mar 2023 18:12

Instrument :
BNA_N
ClientSampleId :
PB151378BSD

Tgt Ion:276 Resp: 13258

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.9	29.9
138	35.5	24.5	36.7