Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
Data File : BN025340.D
Acq On : 08 May 2023 19:33
Operator : CG/JU
Sample : 02588-08MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Quant Time: May 09 04:03:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 18:27:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	5579	0.400	ng	0.00
7) Naphthalene-d8	10.707	136	18008	0.400	ng	#-0.01
13) Acenaphthene-d10	14.544	164	10902	0.400	ng	0.00
19) Phenanthrene-d10	17.299	188	24563	0.400	ng	0.00
29) Chrysene-d12	21.491	240	25784	0.400	ng	# 0.00
35) Perylene-d12	23.916	264	25911	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	3987	0.294	ng	0.00
5) Phenol-d6	7.081	99	5399	0.317	ng	0.00
8) Nitrobenzene-d5	9.074	82	4076	0.275	ng	-0.01
11) 2-Methylnaphthalene-d10	12.302	152	7300	0.297	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	1487	0.267	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	10436	0.279	ng	0.00
27) Fluoranthene-d10	19.330	212	15915	0.262	ng	0.00
31) Terphenyl-d14	19.924	244	12160	0.234	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.311	88	1640	0.280	ng	# 64
3) n-Nitrosodimethylamine	3.643	42	3341	0.374	ng	99
6) bis(2-Chloroethyl)ether	7.326	93	6340	0.422	ng	100
9) Naphthalene	10.761	128	33628	0.728	ng	99
10) Hexachlorobutadiene	11.038	225	3428	0.392	ng	# 97
12) 2-Methylnaphthalene	12.378	142	18587	0.569	ng	99
16) Acenaphthylene	14.267	152	39964	0.819	ng	99
17) Acenaphthene	14.609	154	16824	0.554	ng	100
18) Fluorene	15.603	166	23576	0.567	ng	97
20) 4,6-Dinitro-2-methylph...	15.710	198	325	0.341	ng	# 75
21) 4-Bromophenyl-phenylether	16.479	248	5213	0.380	ng	# 89
22) Hexachlorobenzene	16.603	284	6009	0.406	ng	99
23) Atrazine	16.752	200	4694	0.392	ng	99
24) Pentachlorophenol	16.963	266	2549	0.712	ng	93
25) Phenanthrene	17.336	178	153237	2.255	ng	100
26) Anthracene	17.435	178	55805	0.877	ng	99
28) Fluoranthene	19.359	202	359465	4.233	ng	99
30) Pyrene	19.726	202	335284	3.804	ng	97
32) Benzo(a)anthracene	21.473	228	218904	2.512	ng	100
33) Chrysene	21.527	228	215408	2.483	ng	99
34) Bis(2-ethylhexyl)phtha...	21.392	149	42909	0.627	ng	99
36) Indeno(1,2,3-cd)pyrene	26.424	276	132787	1.278	ng	96
37) Benzo(b)fluoranthene	23.176	252	275321	3.352	ng	94
39) Benzo(a)pyrene	23.700	252	116706	1.387	ng	96
40) Dibenzo(a,h)anthracene	26.442	278	50829	0.620	ng	96
41) Benzo(g,h,i)perylene	27.208	276	123487	1.371	ng	99

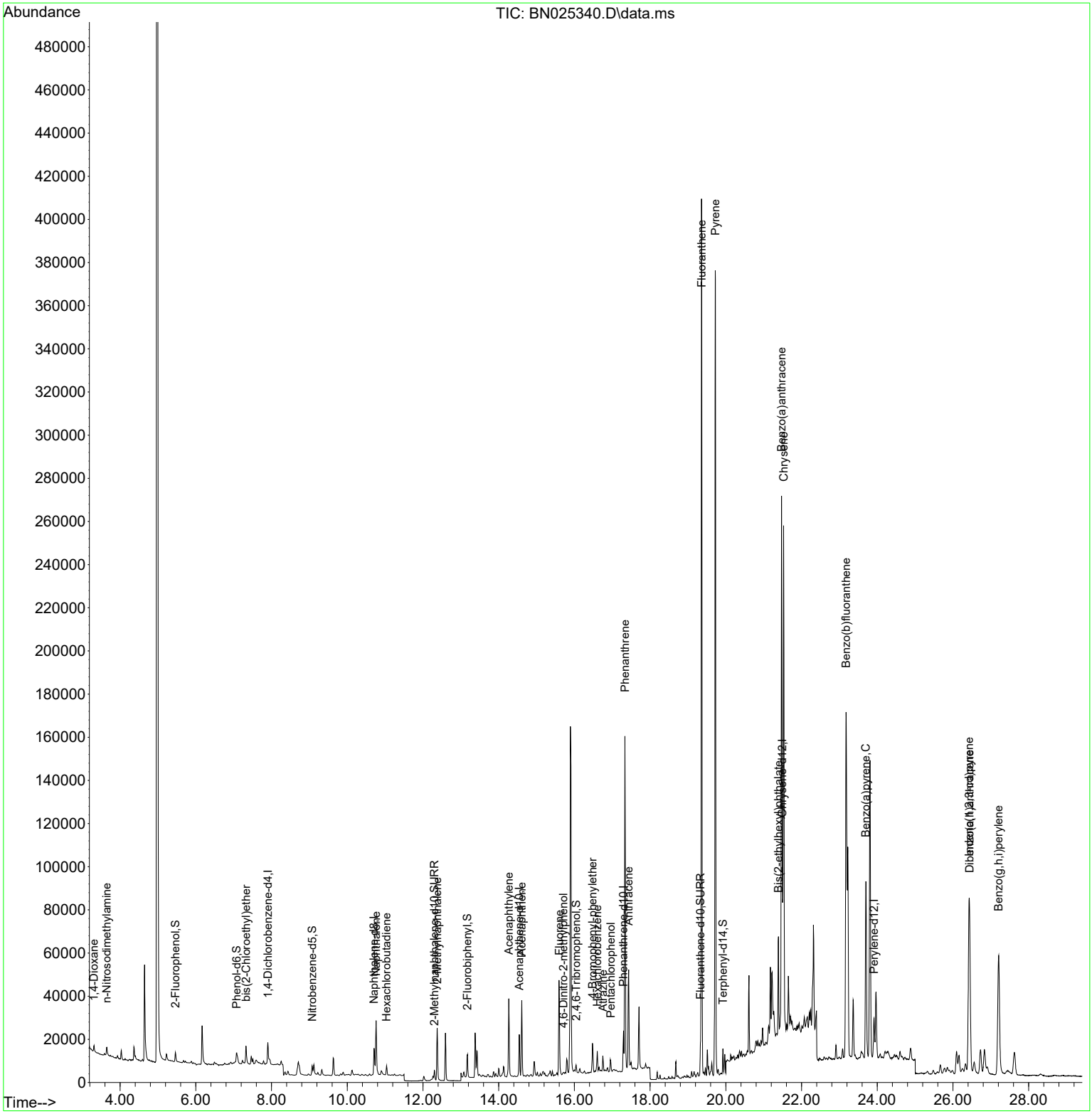
(#) = qualifier out of range (m) = manual integration (+) = signals summed

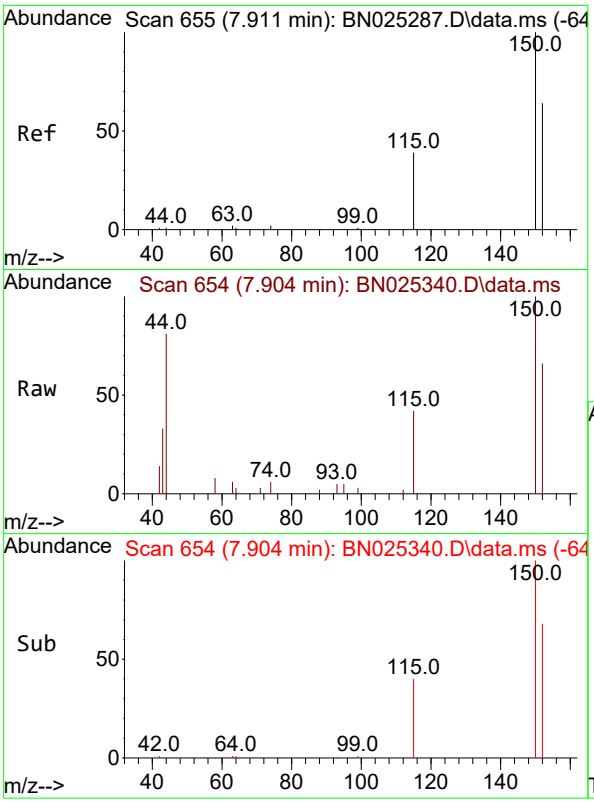
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
Data File : BN025340.D
Acq On : 08 May 2023 19:33
Operator : CG/JU
Sample : 02588-08MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Quant Time: May 09 04:03:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 18:27:02 2023
Response via : Initial Calibration



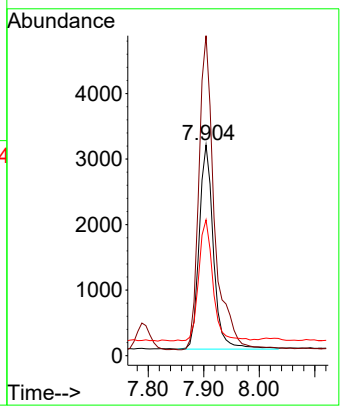


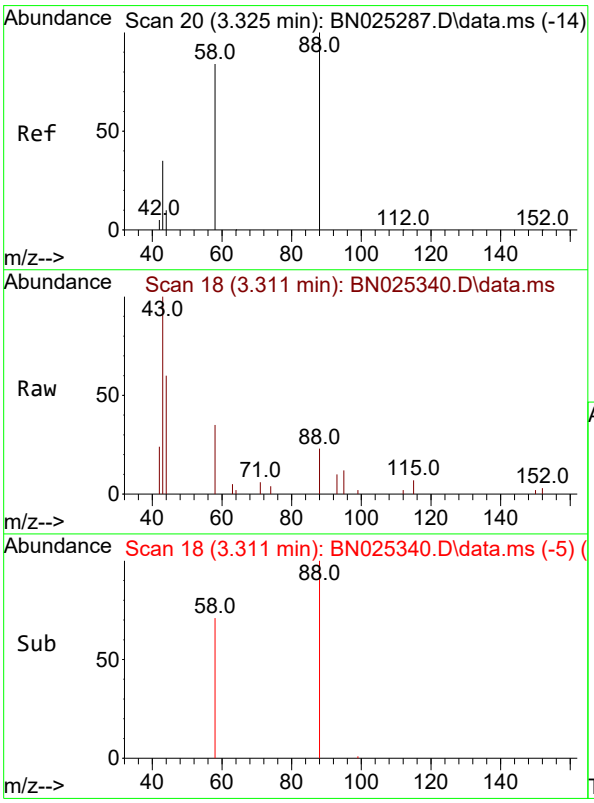
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:152 Resp: 5579

Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.8	185.8
115	64.5	52.9	79.3

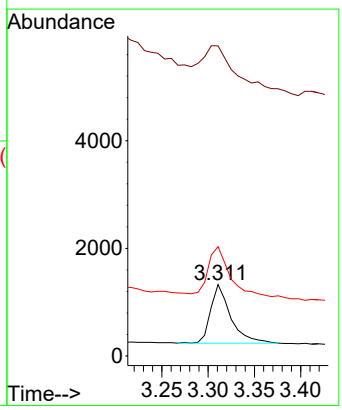


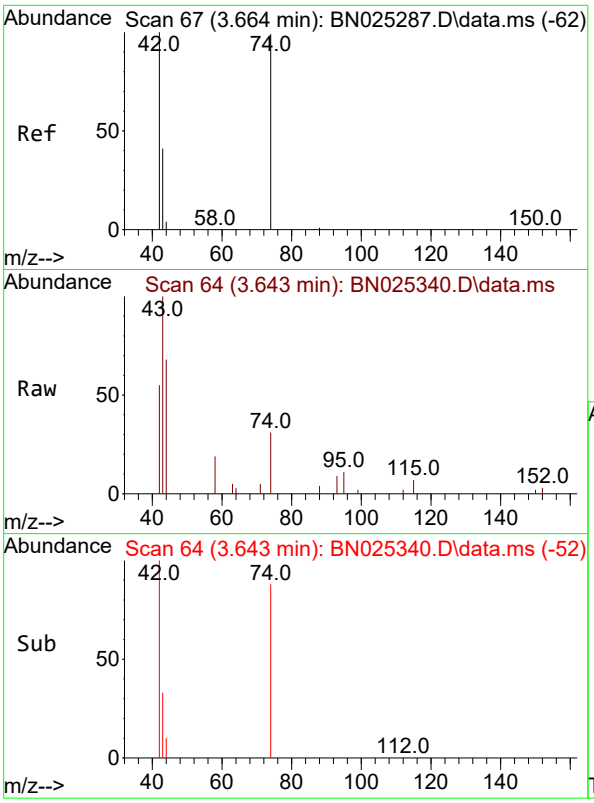


#2
1,4-Dioxane
Concen: 0.280 ng
RT: 3.311 min Scan# 18
Delta R.T. -0.007 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion: 88 Resp: 1640

Ion	Ratio	Lower	Upper
88	100		
43	113.4	37.2	55.8#
58	91.0	71.5	107.3



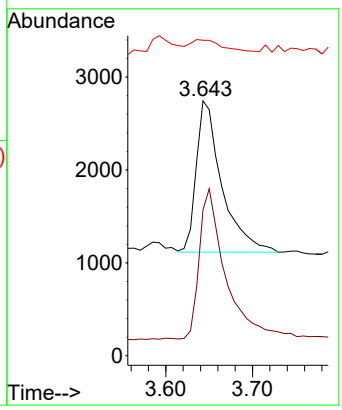


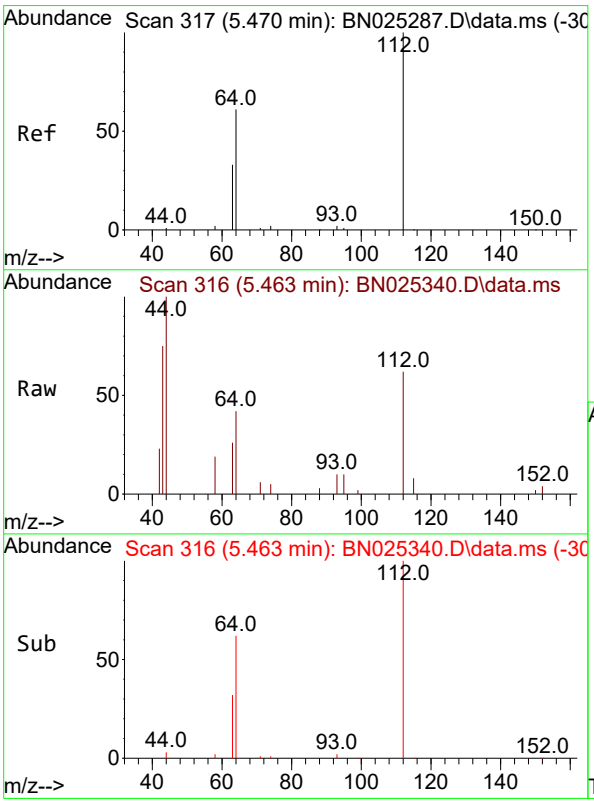
#3
n-Nitrosodimethylamine
Concen: 0.374 ng
RT: 3.643 min Scan# 64
Delta R.T. -0.014 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion: 42 Resp: 3341

Ion	Ratio	Lower	Upper
42	100		
74	101.2	79.9	119.9
44	9.6	7.0	10.6

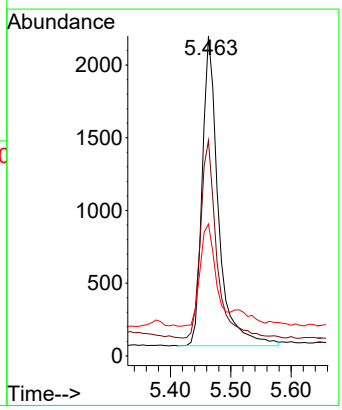


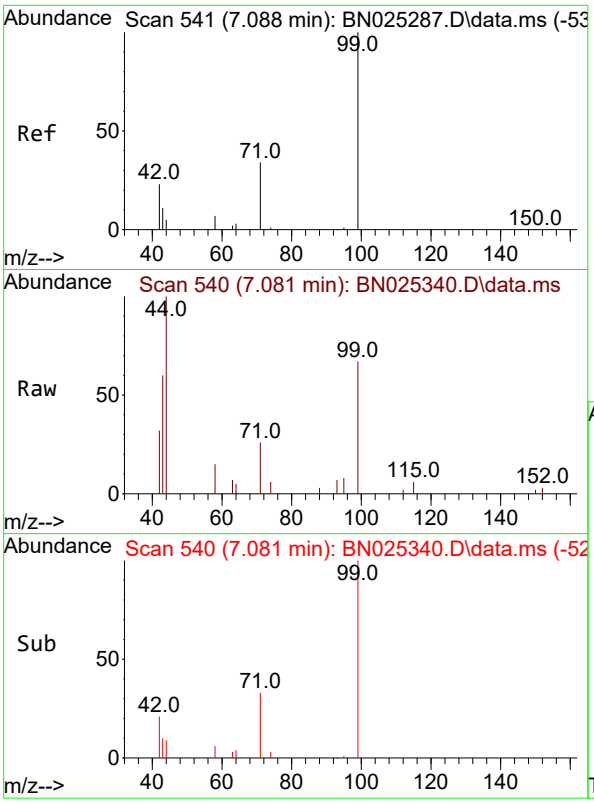


#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.463 min Scan# 316
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:112 Resp: 3987

Ion	Ratio	Lower	Upper
112	100		
64	63.7	51.5	77.3
63	32.3	27.8	41.6



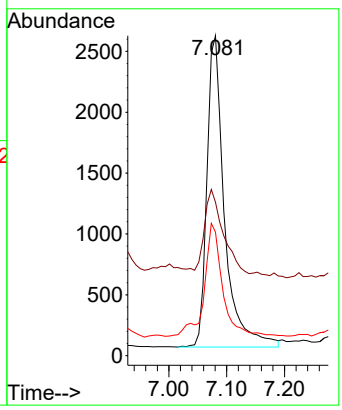


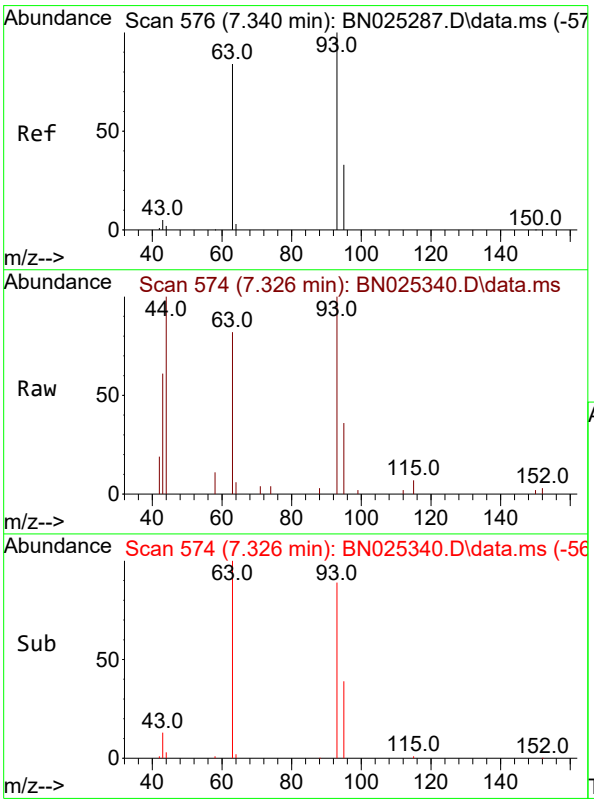
#5
Phenol-d6
Concen: 0.317 ng
RT: 7.081 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion: 99 Resp: 5399

Ion	Ratio	Lower	Upper
99	100		
42	30.8	22.0	33.0
71	37.6	28.7	43.1

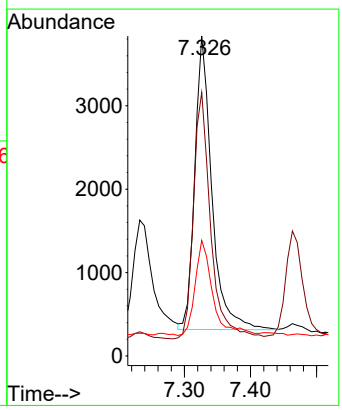


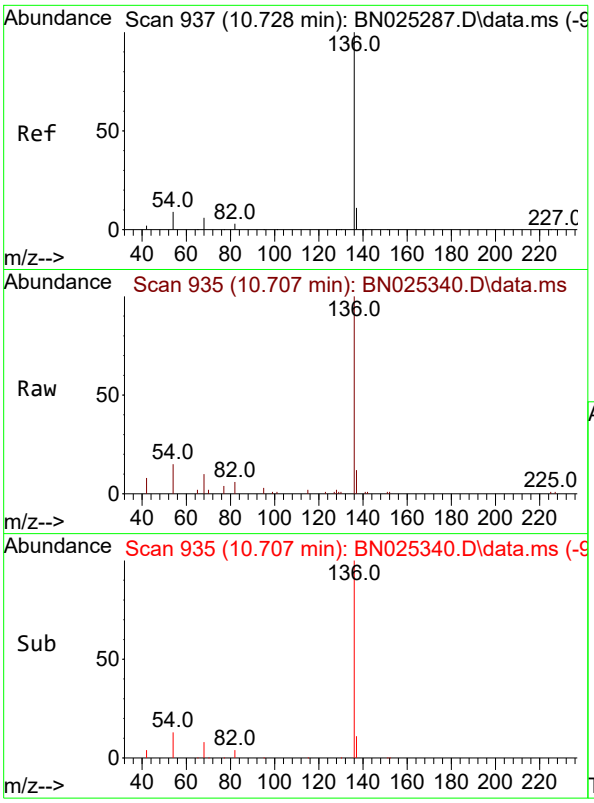


#6
bis(2-Chloroethyl)ether
Concen: 0.422 ng
RT: 7.326 min Scan# 574
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion: 93 Resp: 6340

Ion	Ratio	Lower	Upper
93	100		
63	84.5	67.8	101.6
95	33.4	26.7	40.1



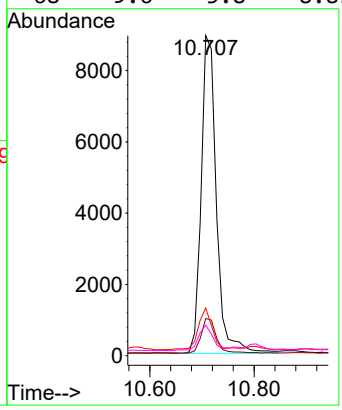


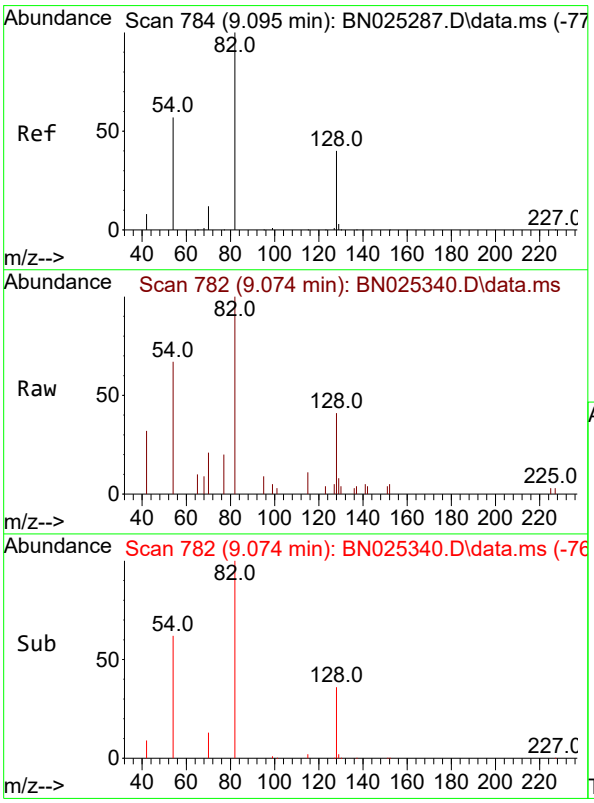
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.707 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:136 Resp: 18008

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.2
54	14.9	8.5	12.7#
68	9.6	5.8	8.8#

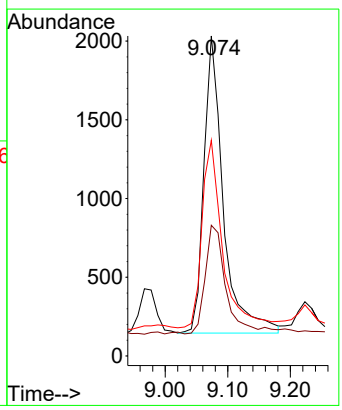


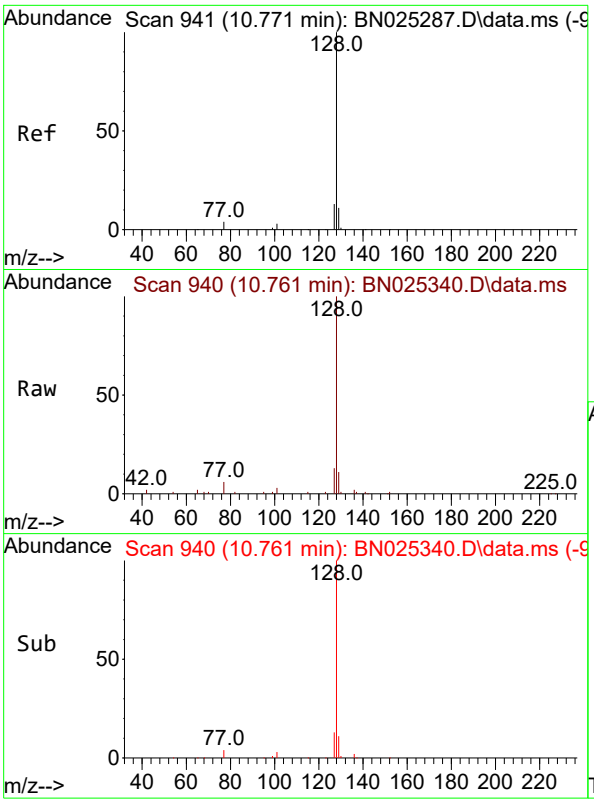


#8
Nitrobenzene-d5
Concen: 0.275 ng
RT: 9.074 min Scan# 782
Delta R.T. -0.011 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion: 82 Resp: 4076

Ion	Ratio	Lower	Upper
82	100		
128	40.9	35.3	52.9
54	67.4	48.7	73.1



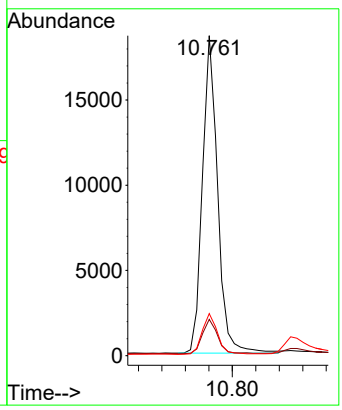


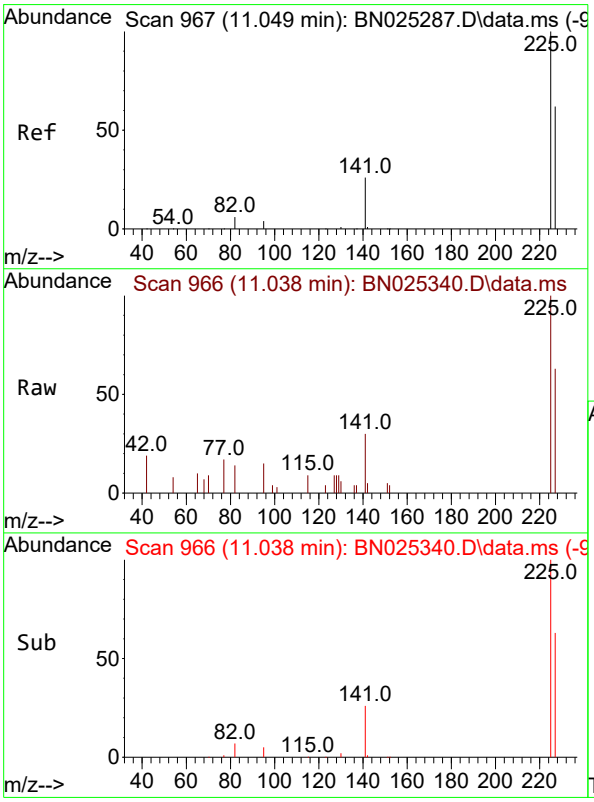
#9
Naphthalene
Concen: 0.728 ng
RT: 10.761 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:128 Resp: 33628

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	13.2	11.0	16.6

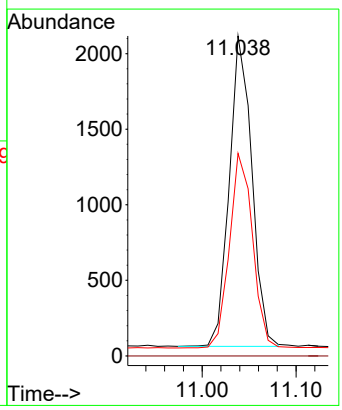


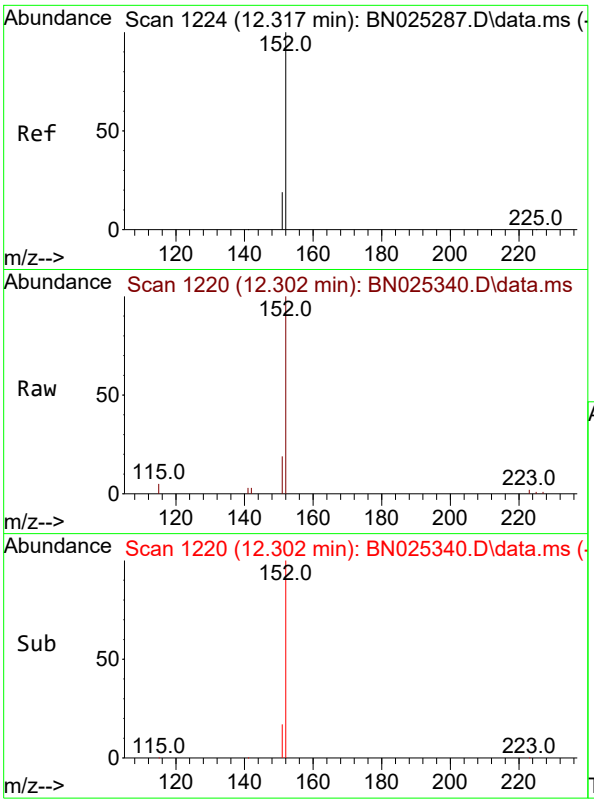


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 11.038 min Scan# 966
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:225 Resp: 3428

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	49.8	74.8



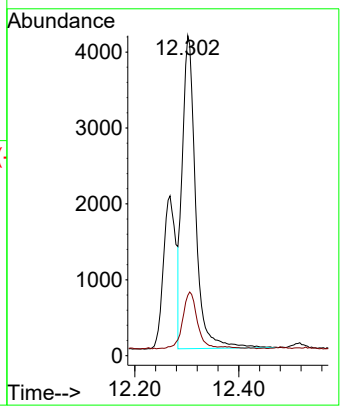


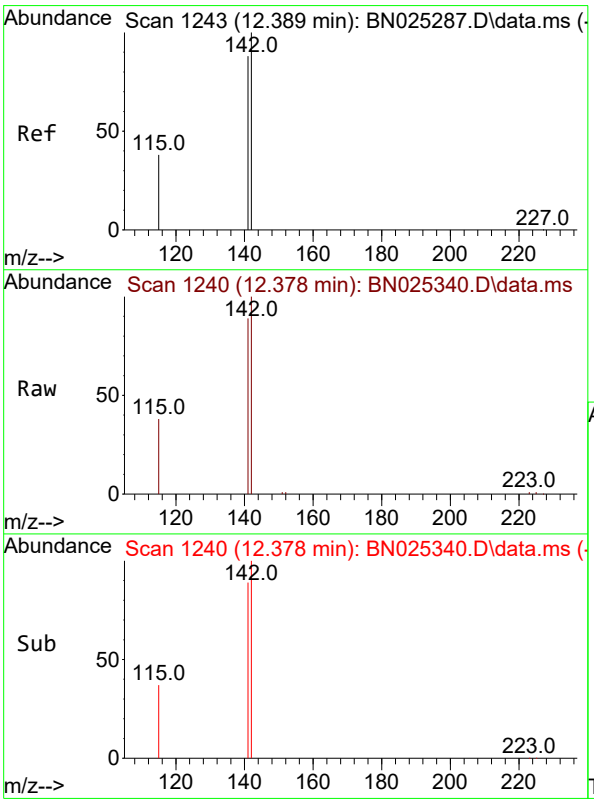
#11
2-Methylnaphthalene-d10
Concen: 0.297 ng
RT: 12.302 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:152 Resp: 7300

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.4	24.6

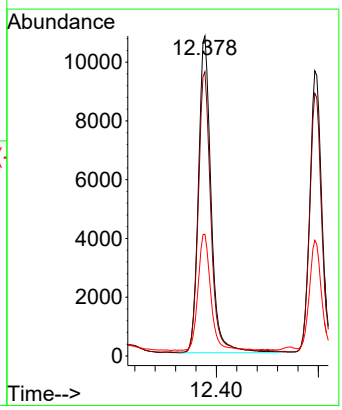


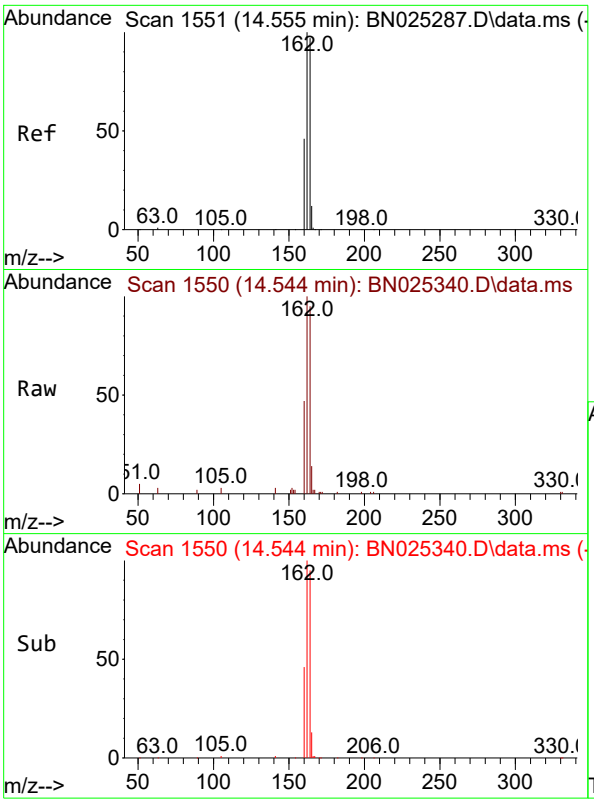


#12
2-Methylnaphthalene
Concen: 0.569 ng
RT: 12.378 min Scan# 1240
Delta R.T. -0.004 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:142 Resp: 18587

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.5	105.7
115	38.1	31.6	47.4



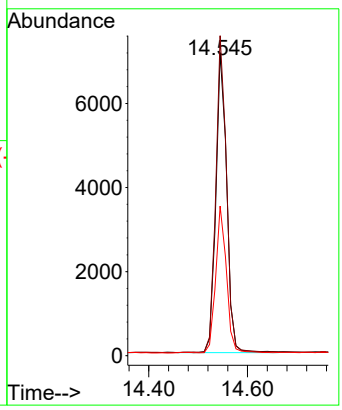


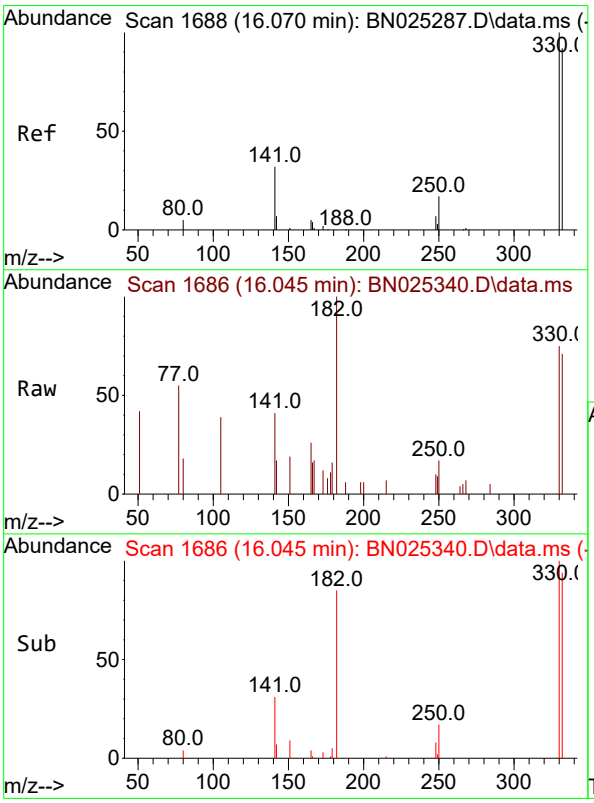
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:164 Resp: 10902

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.1	123.1
160	49.4	38.3	57.5

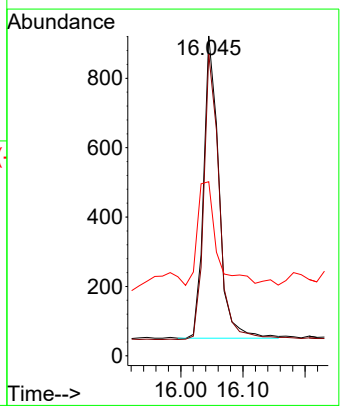


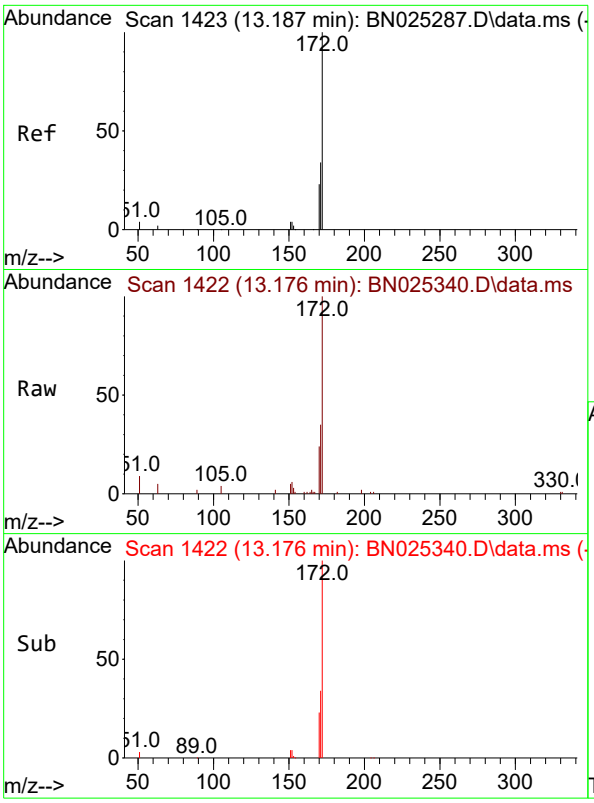


#14
2,4,6-Tribromophenol
Concen: 0.267 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.012 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:330 Resp: 1487

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	43.2	28.9	43.3



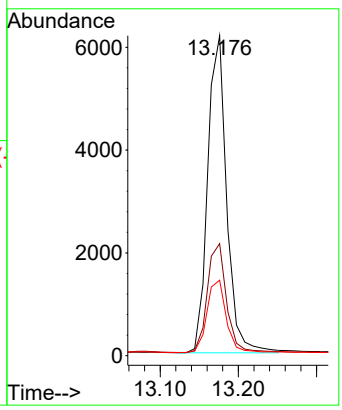


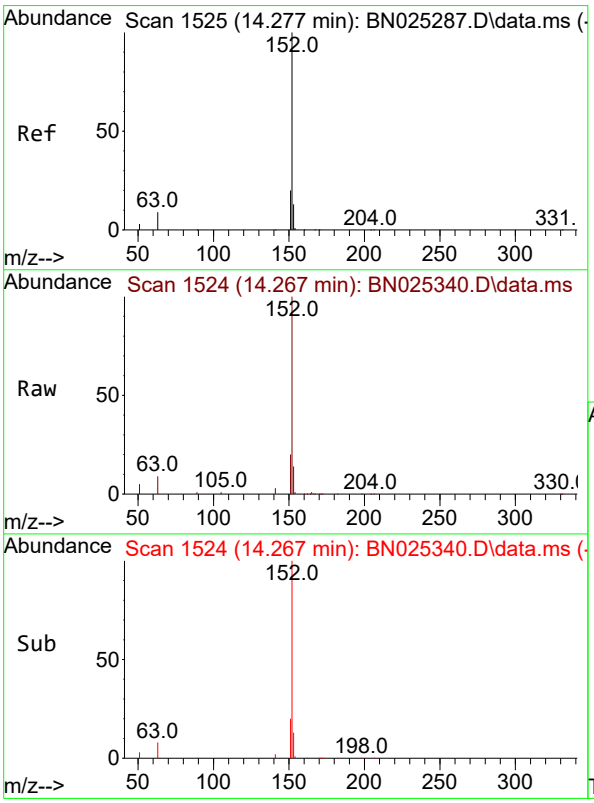
#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 13.176 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:172 Resp: 10436

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.6	19.0	28.4

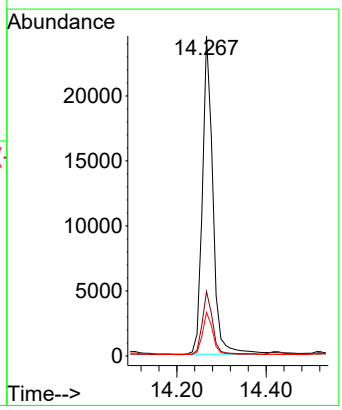


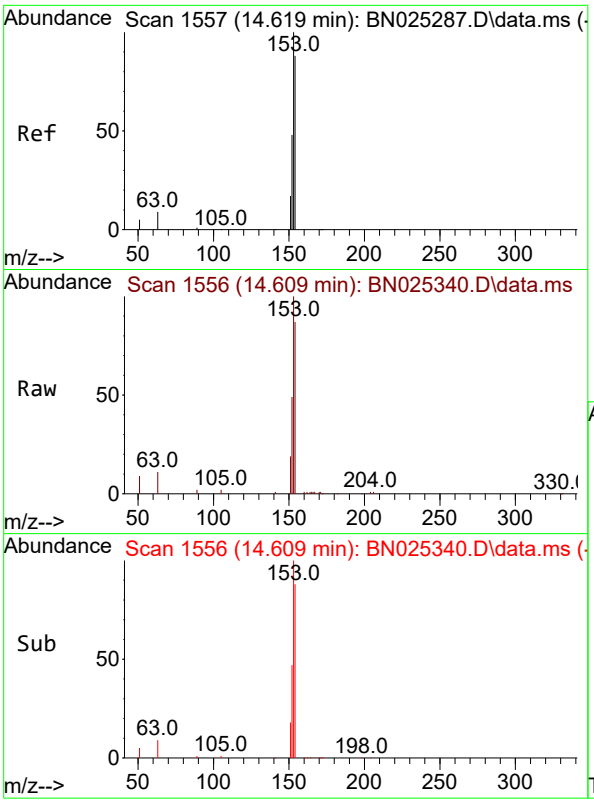


#16
Acenaphthylene
Concen: 0.819 ng
RT: 14.267 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:152 Resp: 39964

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.1	10.3	15.5



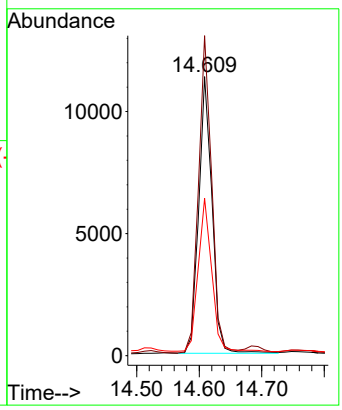


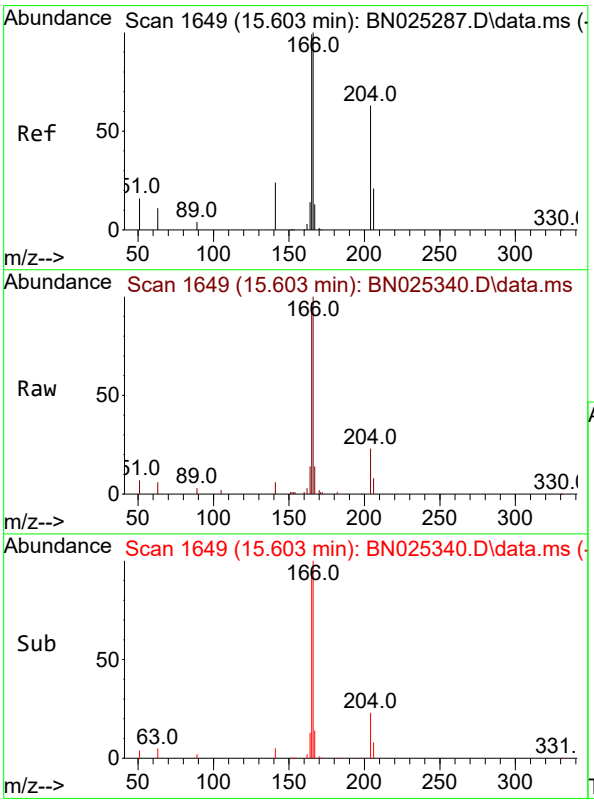
#17
Acenaphthene
Concen: 0.554 ng
RT: 14.609 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:154 Resp: 16824

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.3	136.9
152	56.4	44.7	67.1

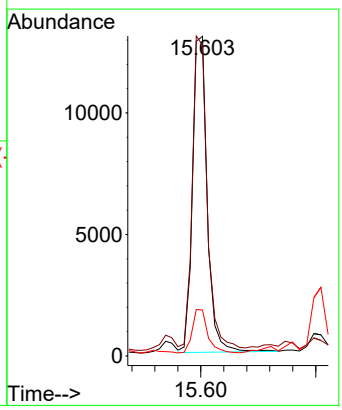


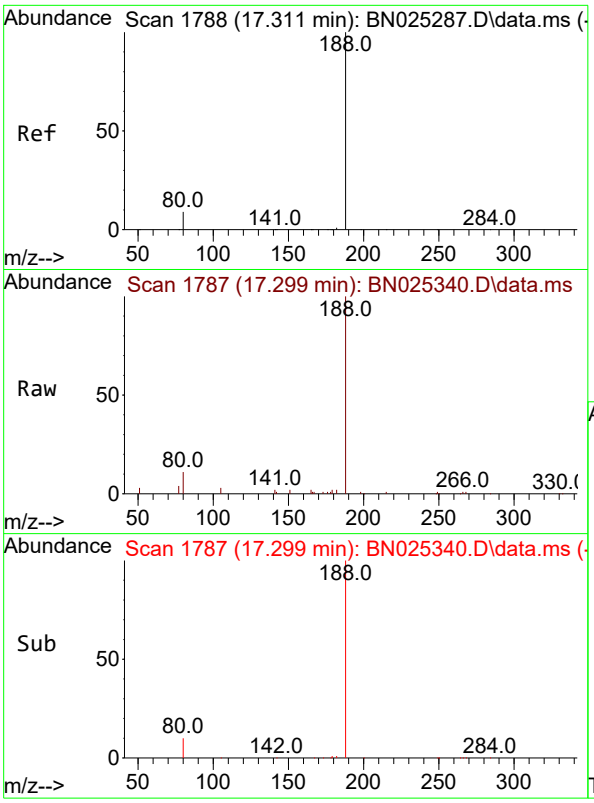


#18
Fluorene
Concen: 0.567 ng
RT: 15.603 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:166 Resp: 23576

Ion	Ratio	Lower	Upper
166	100		
165	96.3	79.0	118.4
167	14.2	10.3	15.5



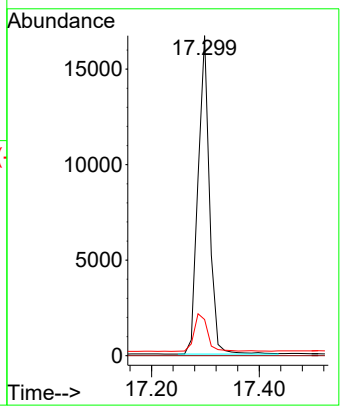


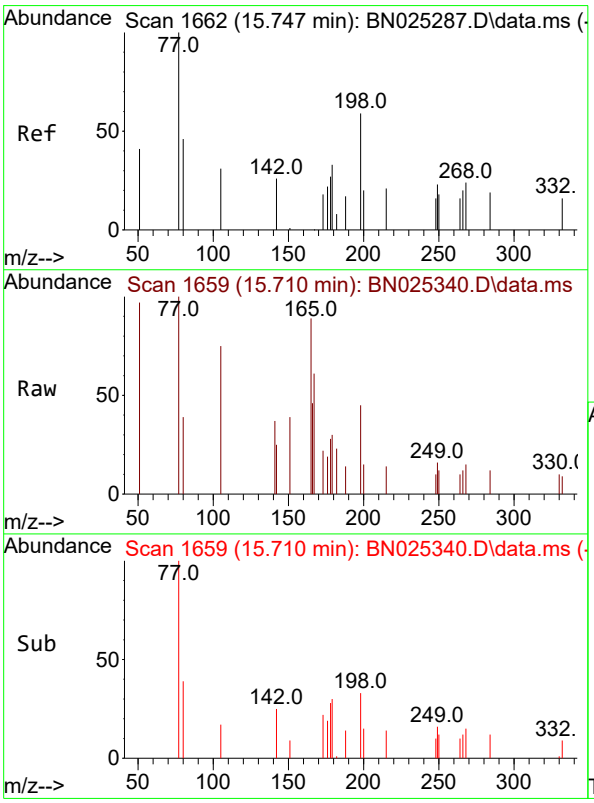
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:188 Resp: 24563

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	8.0	12.0

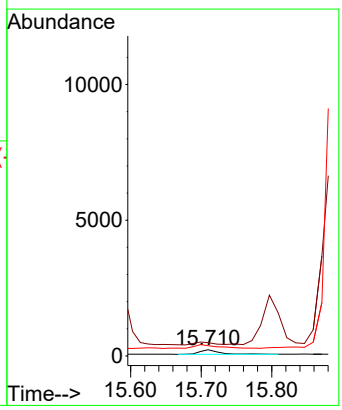


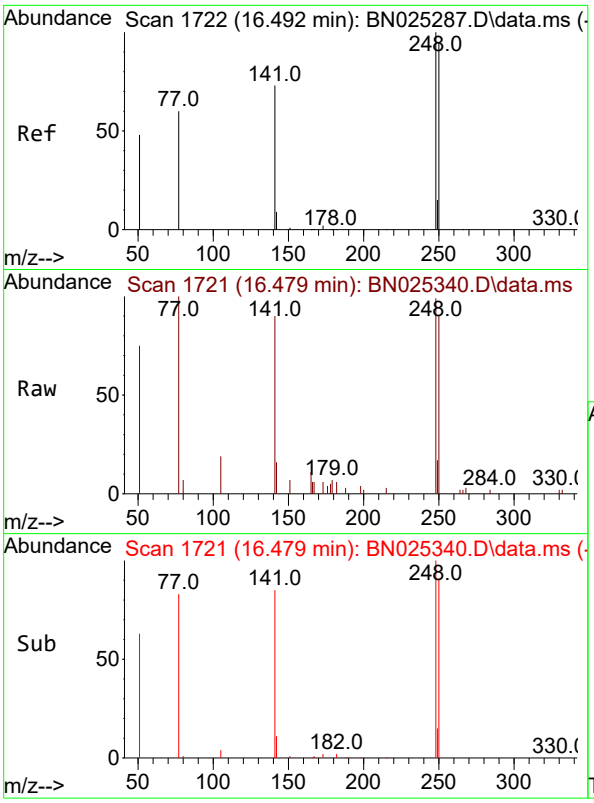


#20
4,6-Dinitro-2-methylphenol
Concen: 0.341 ng
RT: 15.710 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:198 Resp: 325

Ion	Ratio	Lower	Upper
198	100		
51	213.5	162.1	243.1
105	164.3	83.1	124.7#



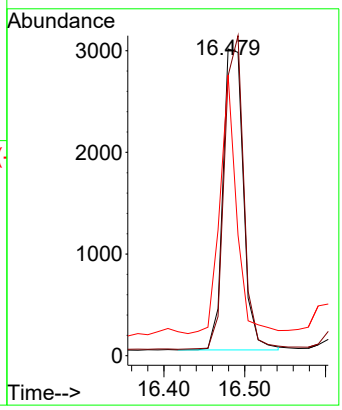


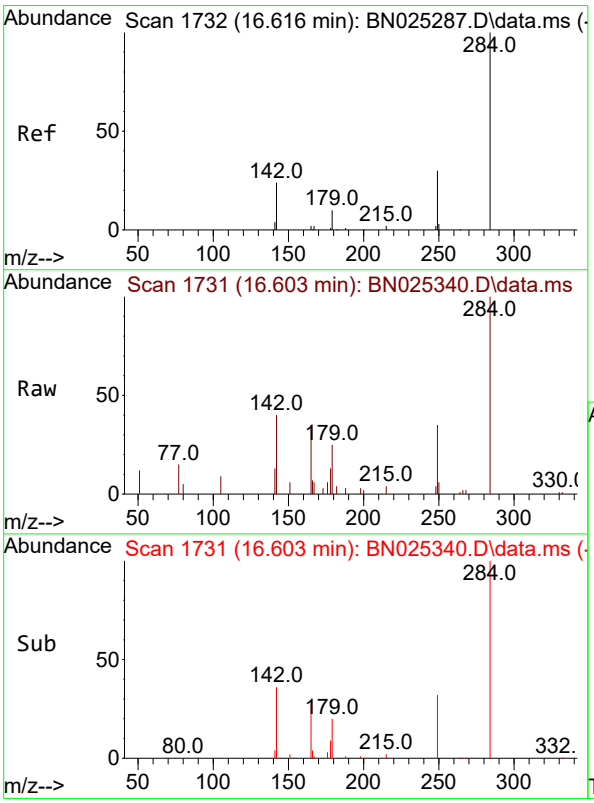
#21
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.479 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:248 Resp: 5213

Ion	Ratio	Lower	Upper
248	100		
250	91.3	76.0	114.0
141	91.5	59.9	89.9#

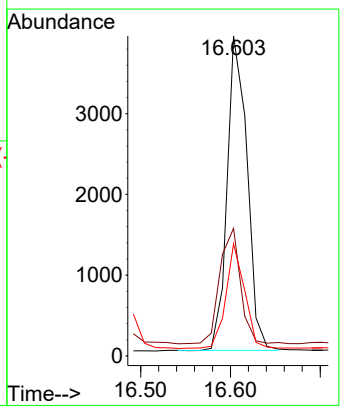


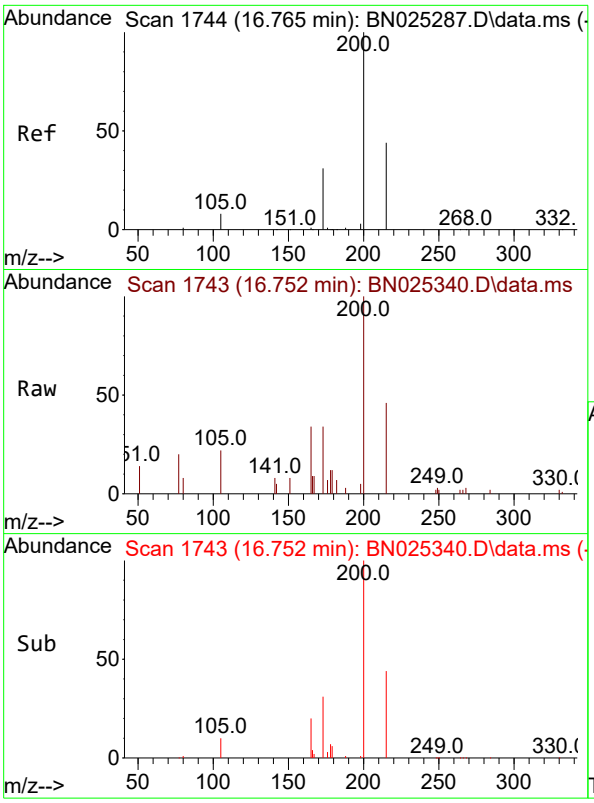


#22
Hexachlorobenzene
Concen: 0.406 ng
RT: 16.603 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:284 Resp: 6009

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.0	45.0
249	31.3	25.0	37.6



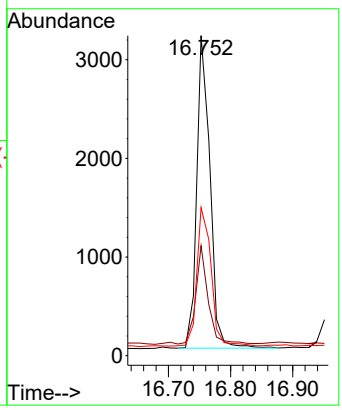


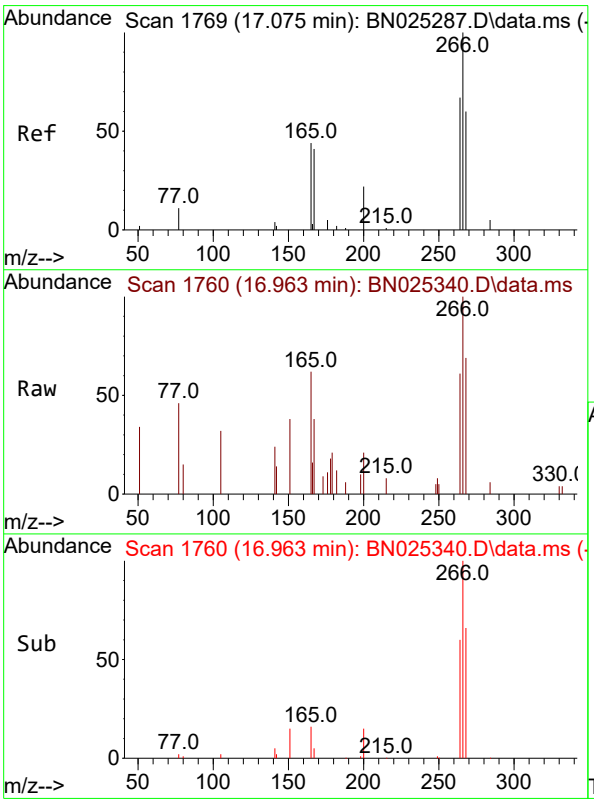
#23
Atrazine
Concen: 0.392 ng
RT: 16.752 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:200 Resp: 4694

Ion	Ratio	Lower	Upper
200	100		
173	34.4	26.3	39.5
215	46.3	37.2	55.8

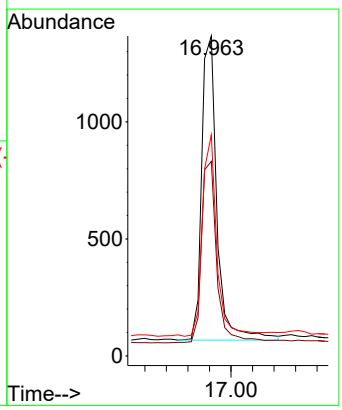


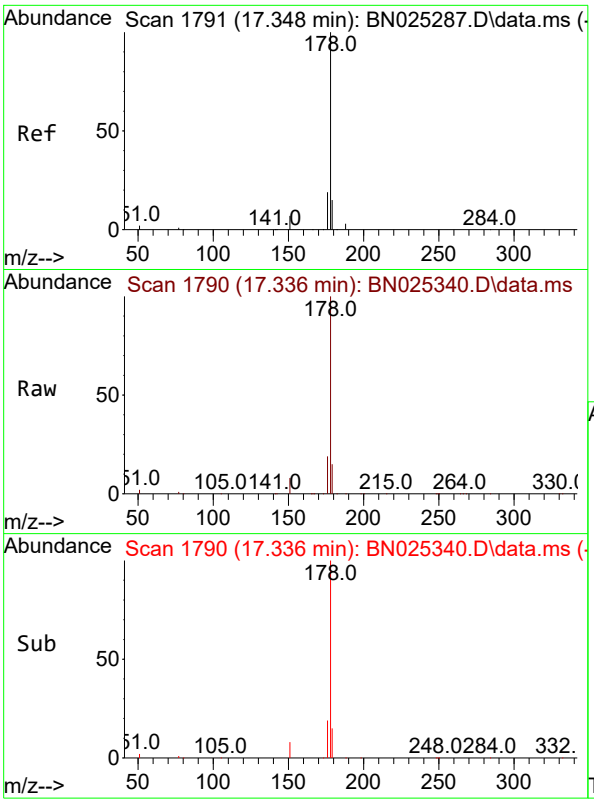


#24
Pentachlorophenol
Concen: 0.712 ng
RT: 16.963 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:266 Resp: 2549

Ion	Ratio	Lower	Upper
266	100		
264	60.6	43.0	64.4
268	63.0	47.4	71.2



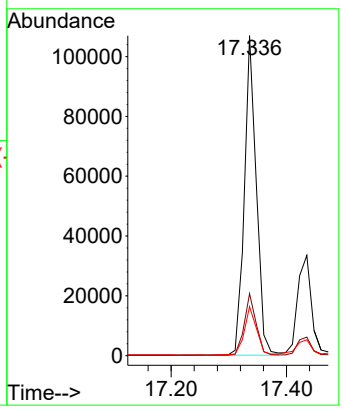


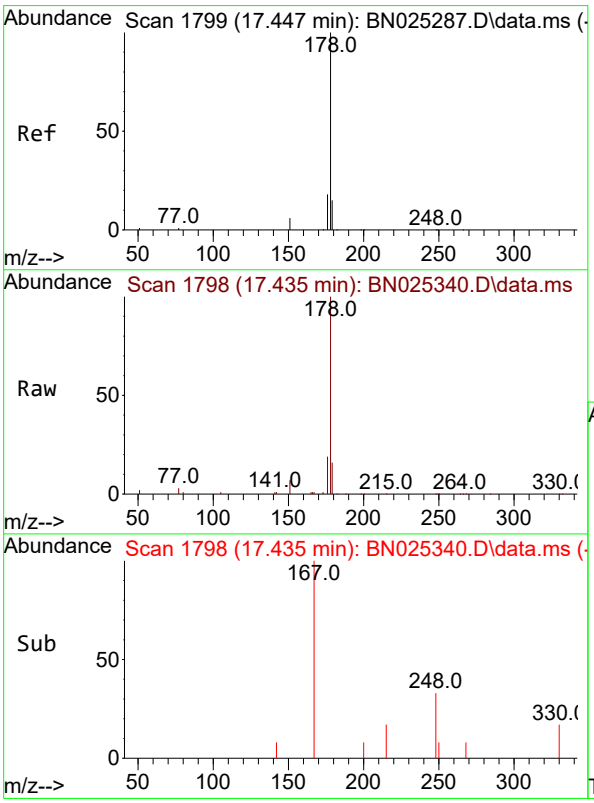
#25
Phenanthrene
Concen: 2.255 ng
RT: 17.336 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:178 Resp: 153237

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.4	18.6

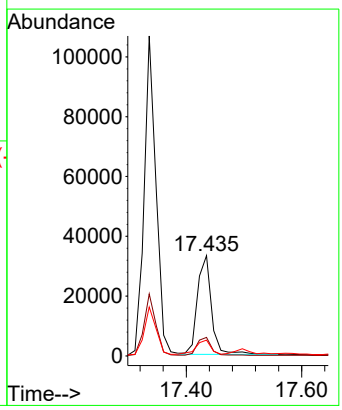


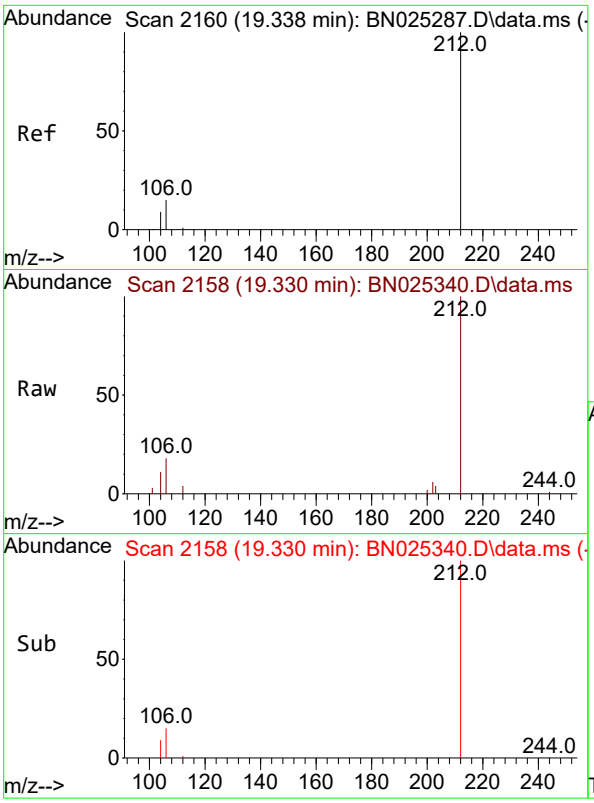


#26
Anthracene
Concen: 0.877 ng
RT: 17.435 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:178 Resp: 55805

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	14.9	12.0	18.0



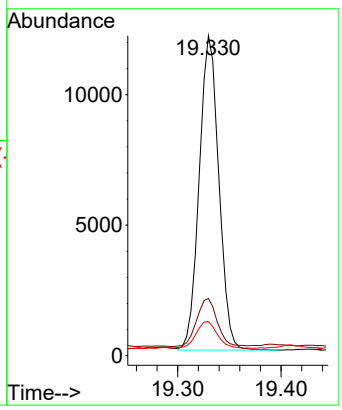


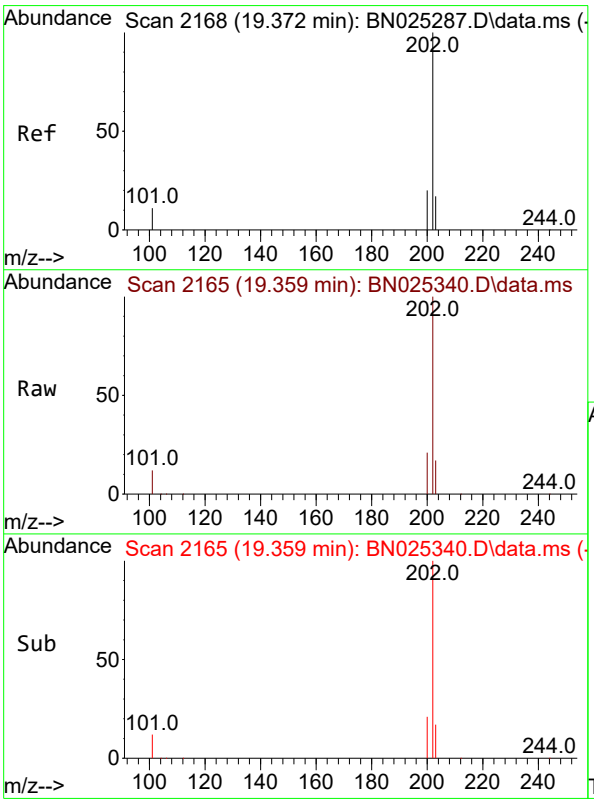
#27
Fluoranthene-d10
Concen: 0.262 ng
RT: 19.330 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:212 Resp: 15915

Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	9.5	7.0	10.6

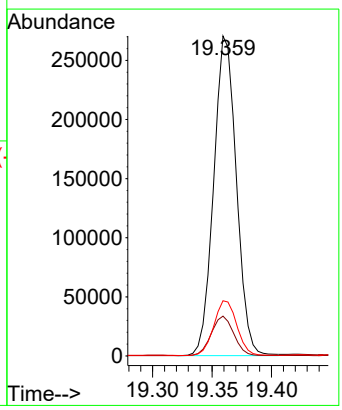


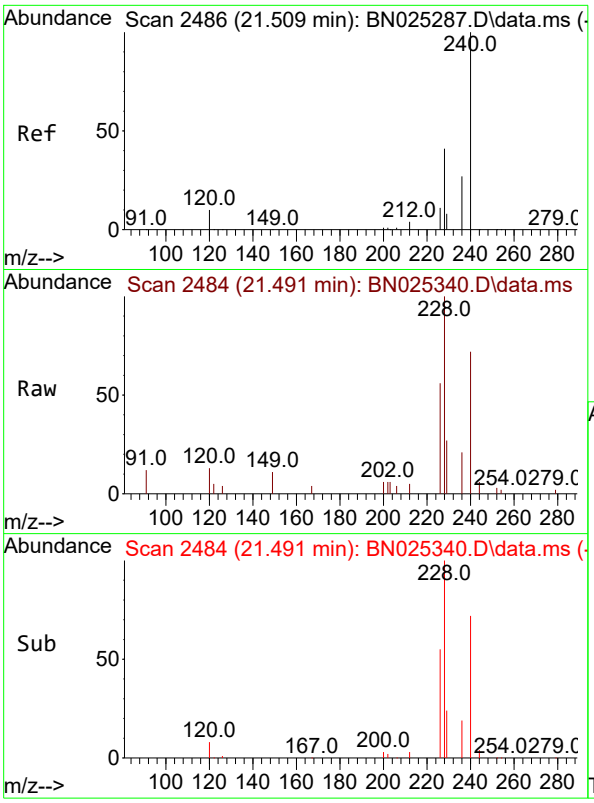


#28
Fluoranthene
Concen: 4.233 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:202 Resp: 359465

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
203	17.3	13.5	20.3



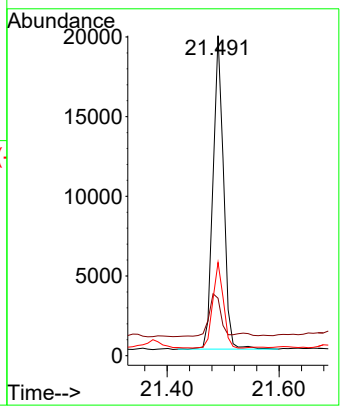


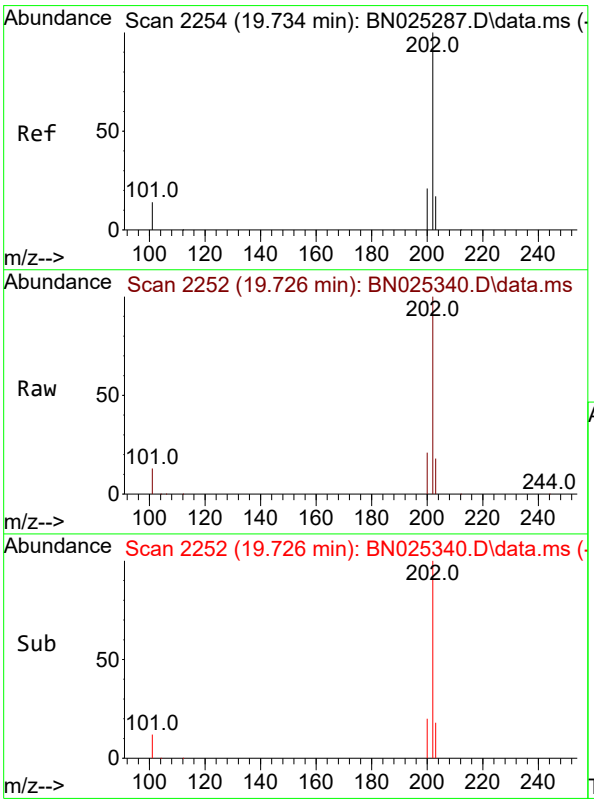
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:240 Resp: 25784

Ion	Ratio	Lower	Upper
240	100		
120	17.9	10.3	15.5#
236	29.1	22.3	33.5

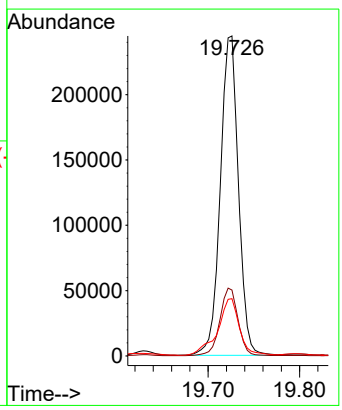


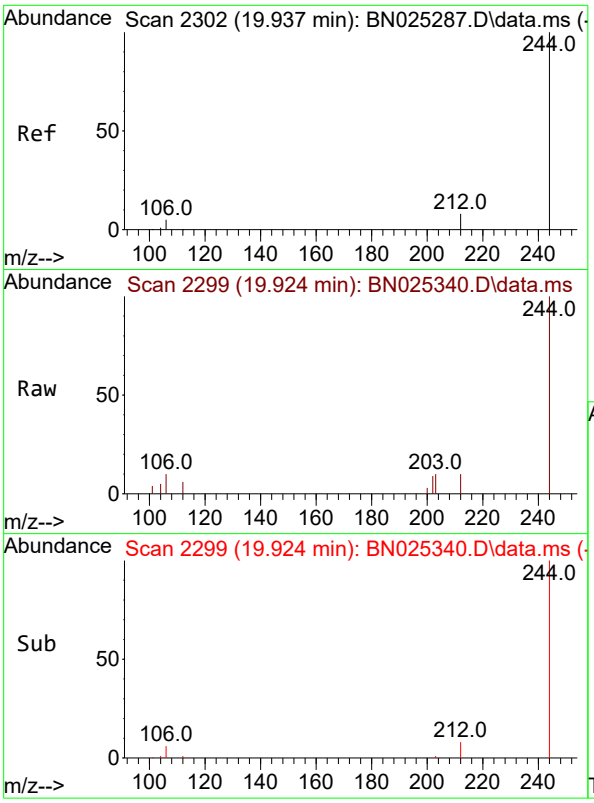


#30
Pyrene
Concen: 3.804 ng
RT: 19.726 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:202 Resp: 335284

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	21.1	14.4	21.6



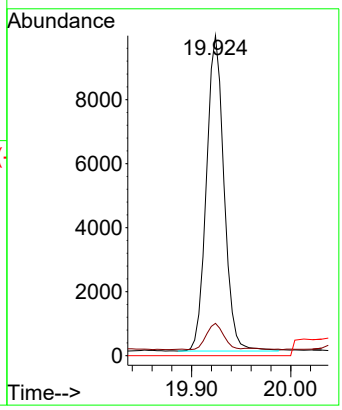


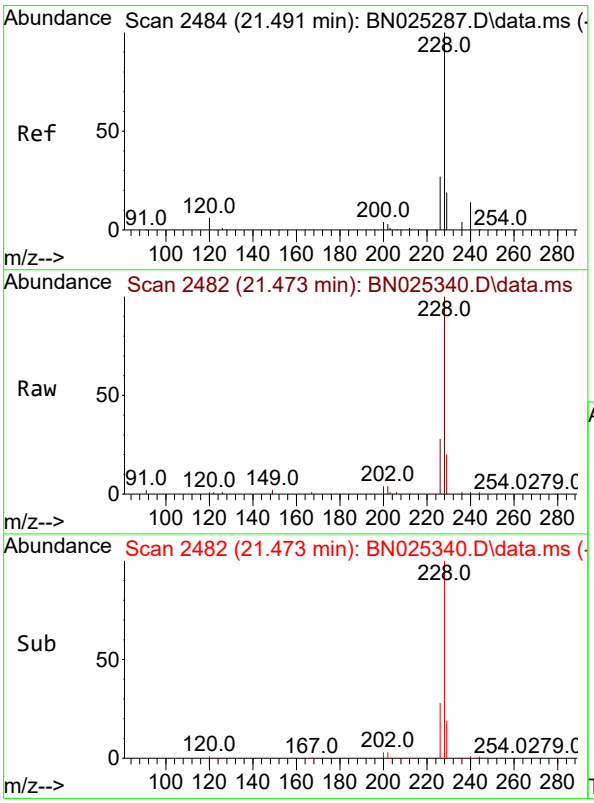
#31
Terphenyl-d14
Concen: 0.234 ng
RT: 19.924 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:244 Resp: 12160

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.1	10.7
122	0.0	0.0	0.0

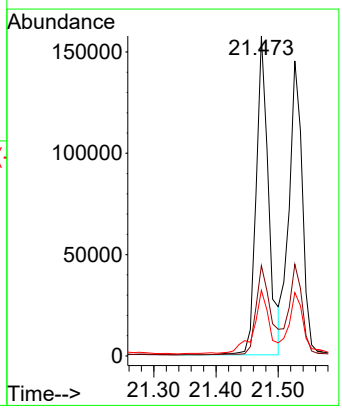


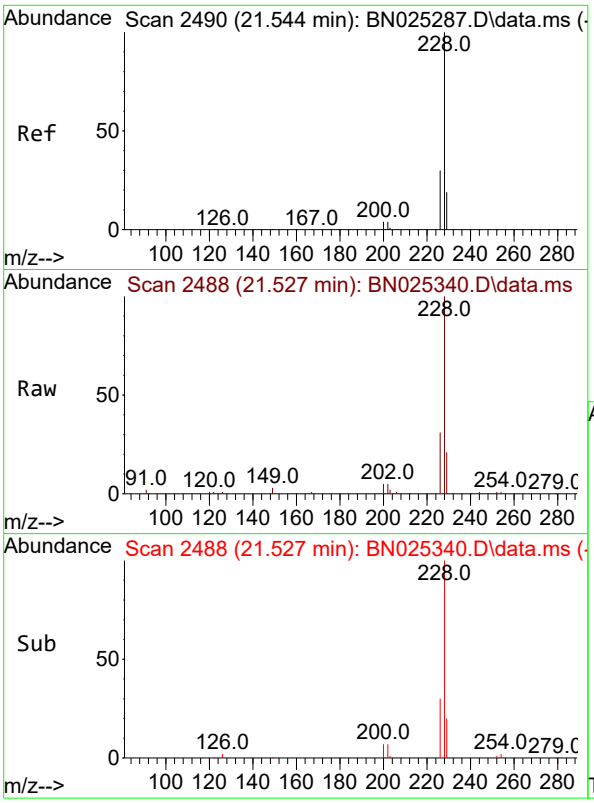


#32
Benzo(a)anthracene
Concen: 2.512 ng
RT: 21.473 min Scan# 2482
Delta R.T. -0.009 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:228 Resp: 218904

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	20.5	16.2	24.2



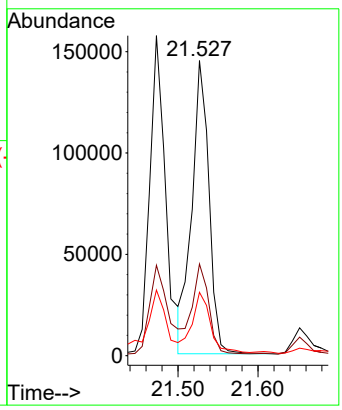


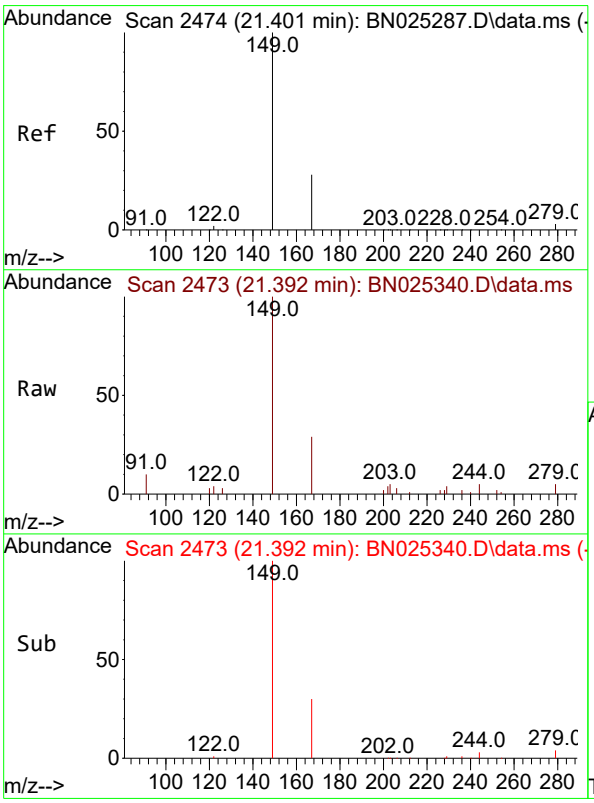
#33
Chrysene
Concen: 2.483 ng
RT: 21.527 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:228 Resp: 215408

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	36.8
229	21.5	16.2	24.4

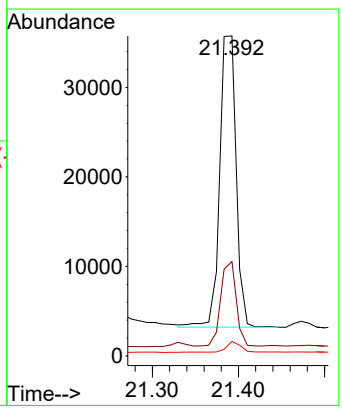


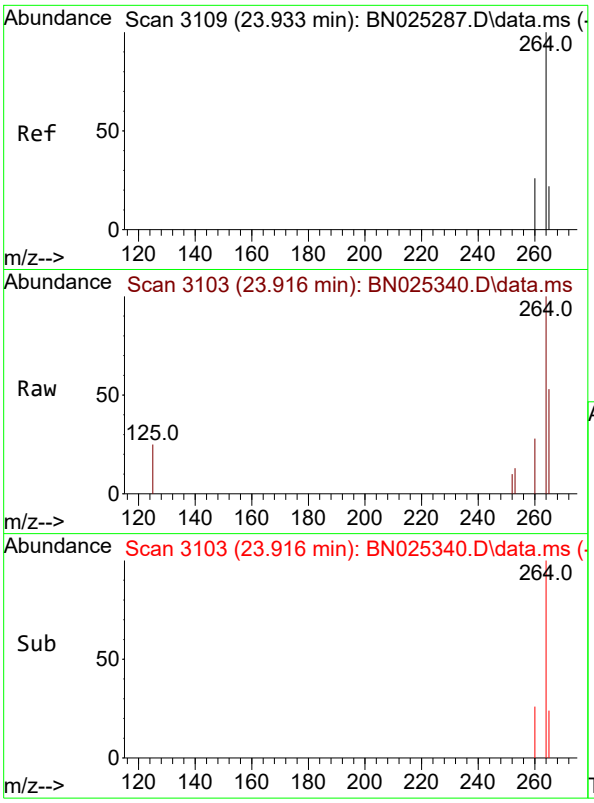


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.627 ng
RT: 21.392 min Scan# 2473
Delta R.T. 0.000 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:149 Resp: 42909

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	3.1	2.6	4.0



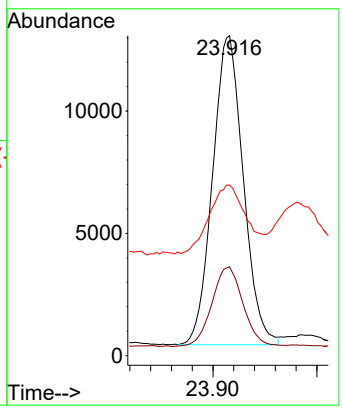


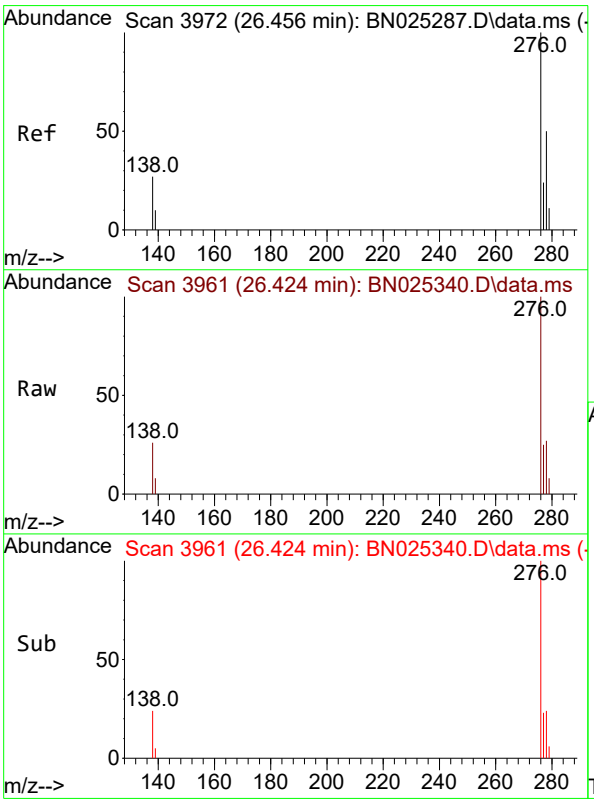
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.916 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:264 Resp: 25911

Ion	Ratio	Lower	Upper
264	100		
260	27.8	21.5	32.3
265	53.3	46.2	69.4

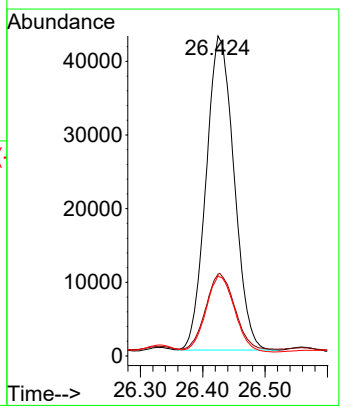


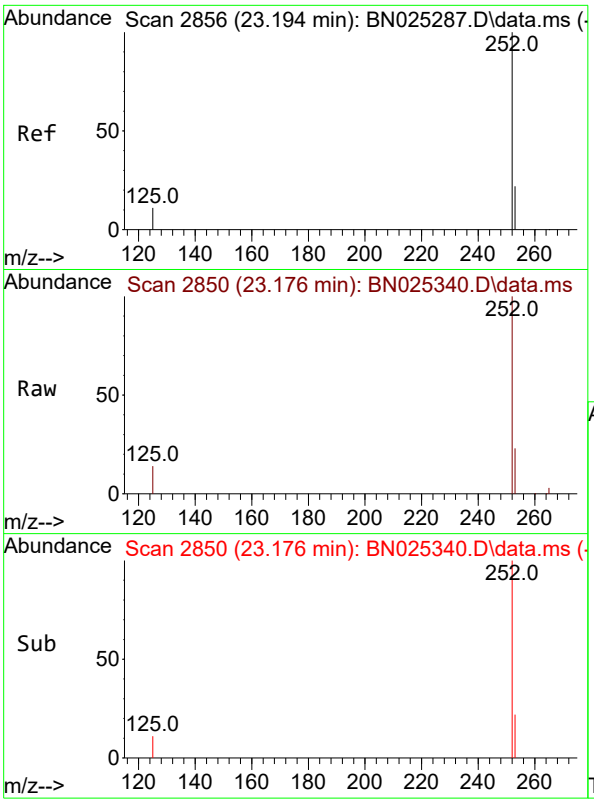


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.278 ng
RT: 26.424 min Scan# 3961
Delta R.T. -0.023 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:276 Resp: 132787

Ion	Ratio	Lower	Upper
276	100		
138	24.5	22.5	33.7
277	24.8	19.8	29.6



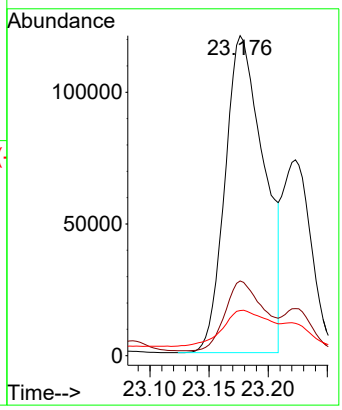


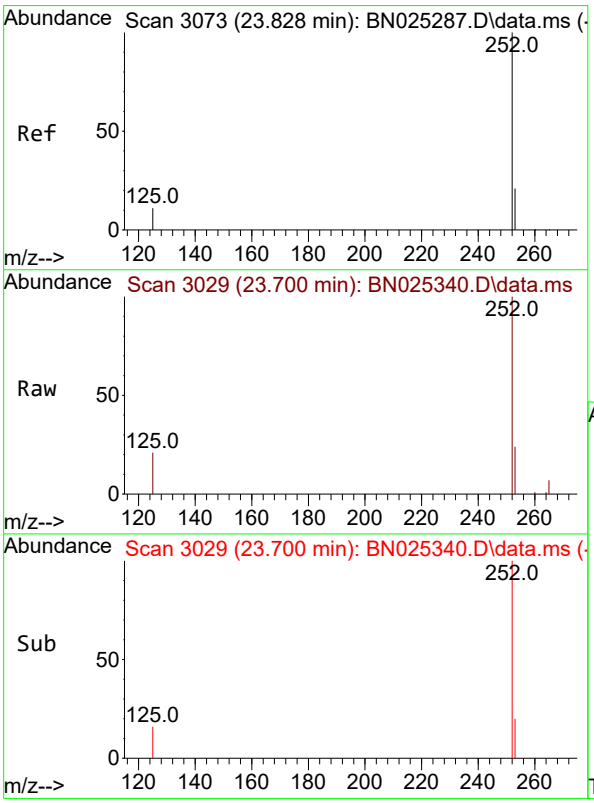
#37
Benzo(b)fluoranthene
Concen: 3.352 ng
RT: 23.176 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:252 Resp: 275321

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.8	31.2
125	14.1	13.4	20.2

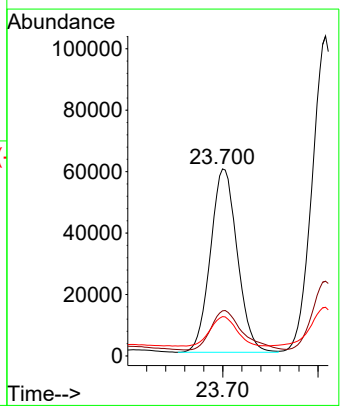


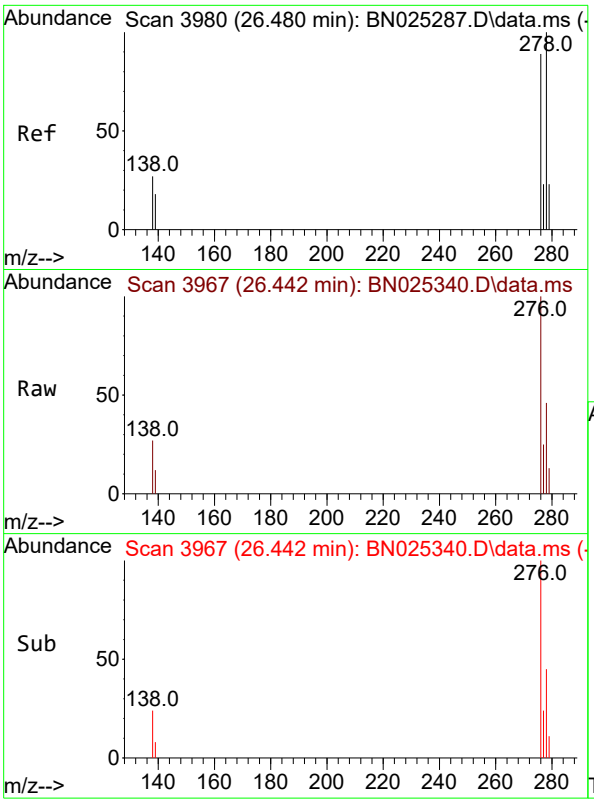


#39
Benzo(a)pyrene
Concen: 1.387 ng
RT: 23.700 min Scan# 3029
Delta R.T. -0.123 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:252 Resp: 116706

Ion	Ratio	Lower	Upper
252	100		
253	24.1	21.4	32.0
125	21.0	15.4	23.2



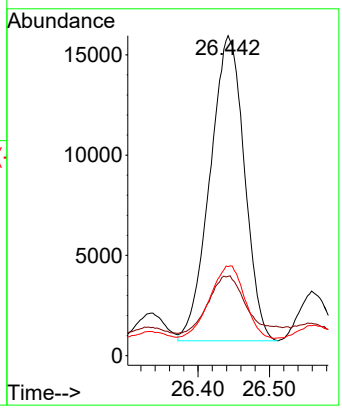


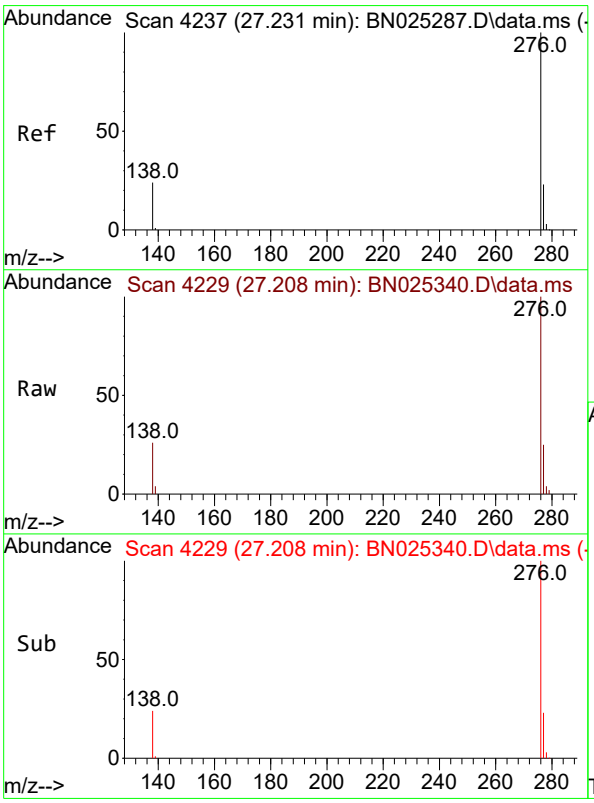
#40
Dibenzo(a,h)anthracene
Concen: 0.620 ng
RT: 26.442 min Scan# 3
Delta R.T. -0.023 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023MSD

Tgt Ion:278 Resp: 50829

Ion	Ratio	Lower	Upper
278	100		
139	24.8	17.6	26.4
279	27.9	21.6	32.4





#41
Benzo(g,h,i)perylene
Concen: 1.371 ng
RT: 27.208 min Scan# 4229
Delta R.T. -0.020 min
Lab File: BN025340.D
Acq: 08 May 2023 19:33

Tgt Ion:276 Resp: 123487

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.1	30.1
138	25.6	21.0	31.6