Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102323\
Data File : BN028357.D
Acq On : 23 Oct 2023 22:37
Operator : MA/JU
Sample : 05003-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Quant Time: Oct 24 03:21:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 15:14:08 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.885	152	3542	0.400	ng	0.00
7) Naphthalene-d8	10.714	136	11027	0.400	ng	0.01
13) Acenaphthene-d10	14.534	164	6797	0.400	ng	0.00
19) Phenanthrene-d10	17.294	188	14937	0.400	ng	# 0.00
29) Chrysene-d12	21.488	240	12070	0.400	ng	# 0.00
35) Perylene-d12	23.934	264	11033	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.437	112	724	0.066	ng	0.00
5) Phenol-d6	7.098	99	436	0.032	ng	0.04
8) Nitrobenzene-d5	9.123	82	1732	0.177	ng	0.02
11) 2-Methylnaphthalene-d10	12.309	152	3629	0.219	ng	0.02
14) 2,4,6-Tribromophenol	16.065	330	488	0.147	ng	0.00
15) 2-Fluorobiphenyl	13.165	172	4806	0.201	ng	0.00
27) Fluoranthene-d10	19.323	212	9842	0.246	ng	0.00
31) Terphenyl-d14	19.909	244	8397	0.328	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	425	0.099	ng	# 78
3) n-Nitrosodimethylamine	3.668	42	232	0.050	ng	# 97
6) bis(2-Chloroethyl)ether	7.329	93	1680	0.161	ng	# 65
9) Naphthalene	10.767	128	3277	0.115	ng	# 91
10) Hexachlorobutadiene	10.959	225	442	0.090	ng	# 99
12) 2-Methylnaphthalene	12.381	142	1983	0.098	ng	# 94
16) Acenaphthylene	14.266	152	3004	0.098	ng	99
17) Acenaphthene	14.598	154	2010	0.104	ng	95
18) Fluorene	15.593	166	2833	0.112	ng	98
21) 4-Bromophenyl-phenylether	16.475	248	834	0.108	ng	# 81
22) Hexachlorobenzene	16.561	284	882	0.111	ng	95
23) Atrazine	16.760	200	871	0.121	ng	# 91
24) Pentachlorophenol	16.983	266	437	0.121	ng	94
25) Phenanthrene	17.331	178	5332	0.130	ng	98
26) Anthracene	17.430	178	4266	0.109	ng	98
28) Fluoranthene	19.351	202	6410	0.125	ng	99
30) Pyrene	19.723	202	6652	0.161	ng	100
32) Benzo(a)anthracene	21.471	228	5228	0.122	ng	99
33) Chrysene	21.524	228	5810	0.142	ng	99
34) Bis(2-ethylhexyl)phtha...	21.336	149	4717	0.144	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.516	276	5313	0.119	ng	99
37) Benzo(b)fluoranthene	23.180	252	4890	0.142	ng	# 83
38) Benzo(k)fluoranthene	23.230	252	4680	0.133	ng	# 80
39) Benzo(a)pyrene	23.832	252	4073	0.119	ng	# 64
40) Dibenzo(a,h)anthracene	26.528	278	4344	0.120	ng	# 83
41) Benzo(g,h,i)perylene	27.308	276	4608	0.124	ng	92

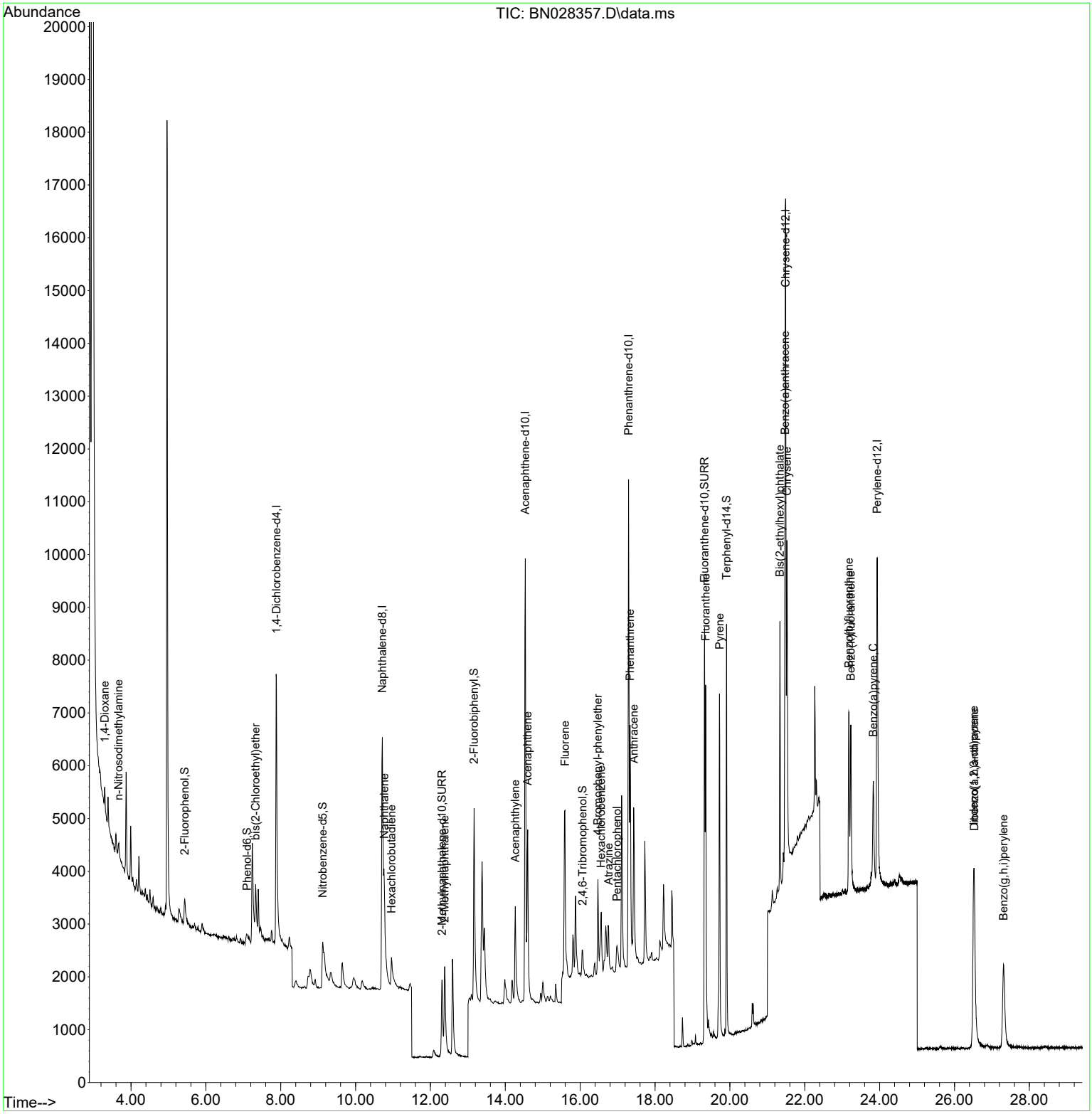
(#) = qualifier out of range (m) = manual integration (+) = signals summed

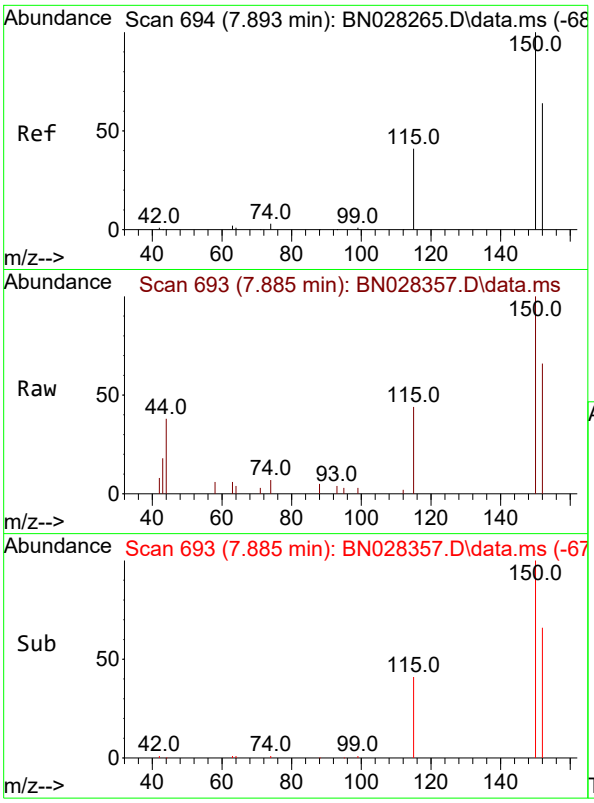
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102323\
Data File : BN028357.D
Acq On : 23 Oct 2023 22:37
Operator : MA/JU
Sample : 05003-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Quant Time: Oct 24 03:21:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 15:14:08 2023
Response via : Initial Calibration



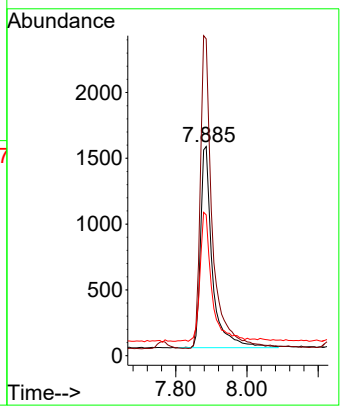


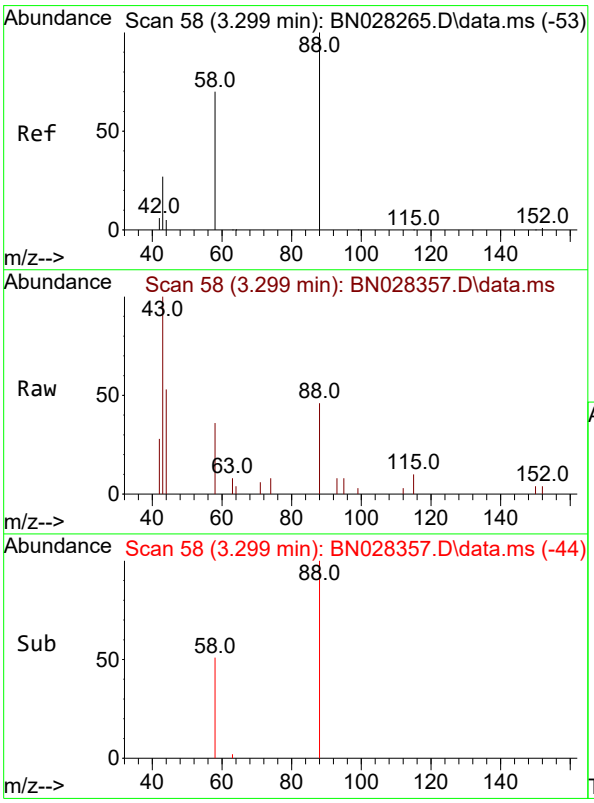
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.885 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:152 Resp: 3542

Ion	Ratio	Lower	Upper
152	100		
150	151.5	121.6	182.4
115	67.3	54.3	81.5

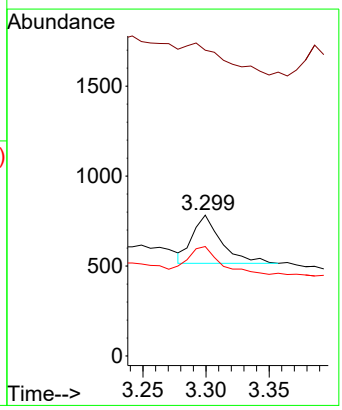


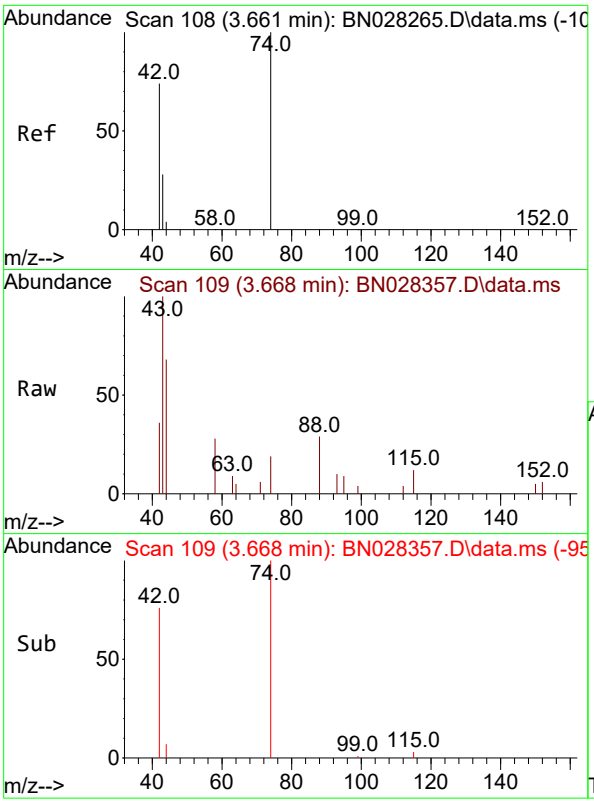


#2
1,4-Dioxane
Concen: 0.099 ng
RT: 3.299 min Scan# 58
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion: 88 Resp: 425

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	65.6	55.4	83.0



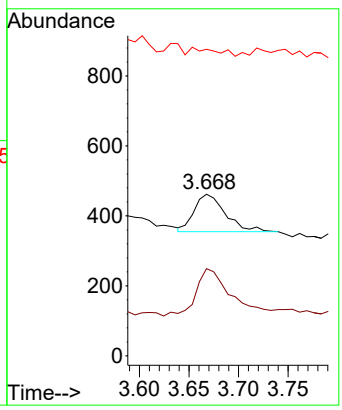


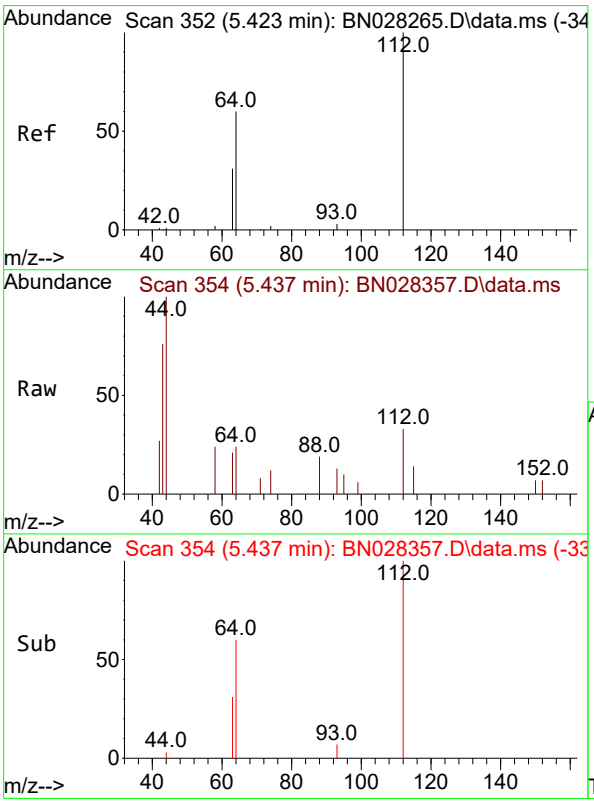
#3
n-Nitrosodimethylamine
Concen: 0.050 ng
RT: 3.668 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion: 42 Resp: 232

Ion	Ratio	Lower	Upper
42	100		
74	142.2	112.6	168.8
44	0.0	7.8	11.6#

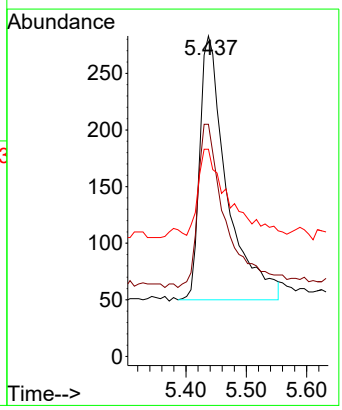


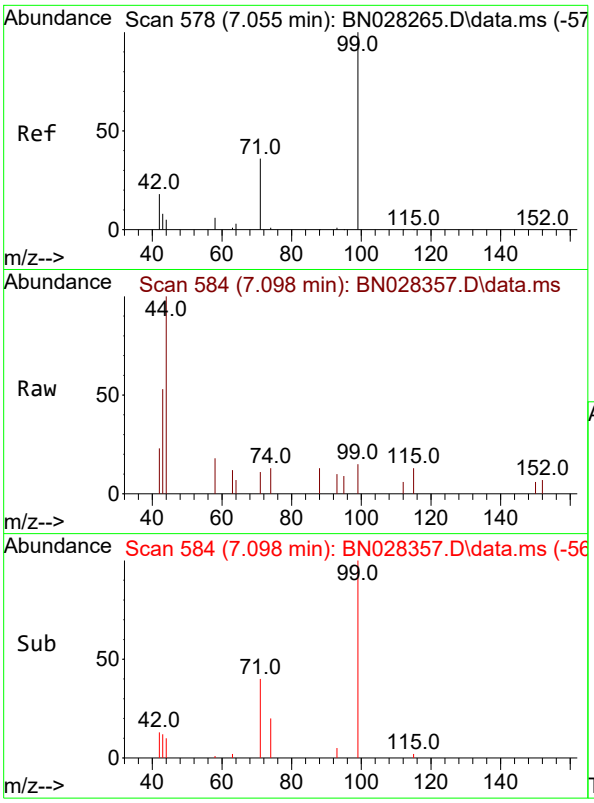


#4
2-Fluorophenol
Concen: 0.066 ng
RT: 5.437 min Scan# 354
Delta R.T. 0.007 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:112 Resp: 724

Ion	Ratio	Lower	Upper
112	100		
64	62.7	46.9	70.3
63	36.2	25.0	37.4



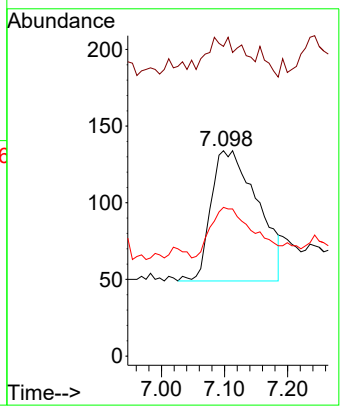


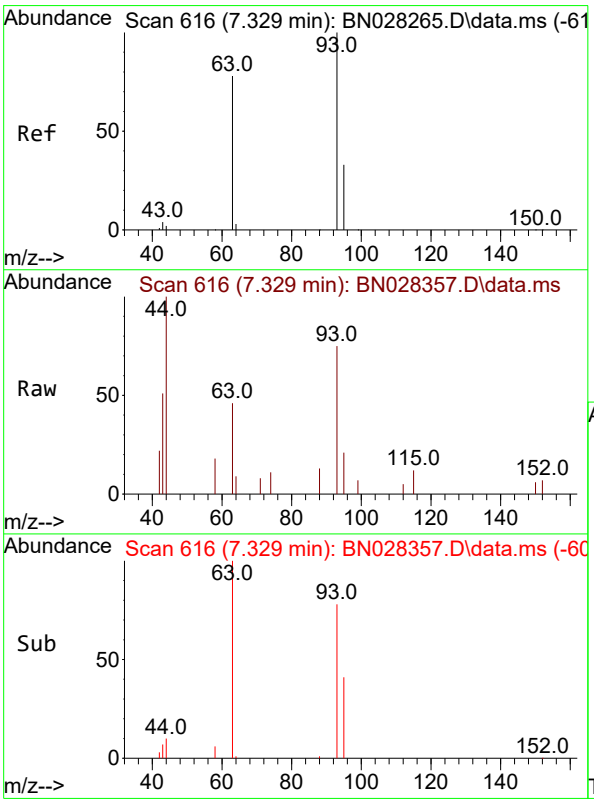
#5
Phenol-d6
Concen: 0.032 ng
RT: 7.098 min Scan# 5
Delta R.T. 0.043 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion: 99 Resp: 436

Ion	Ratio	Lower	Upper
99	100		
42	16.3	15.9	23.9
71	35.3	28.6	42.8

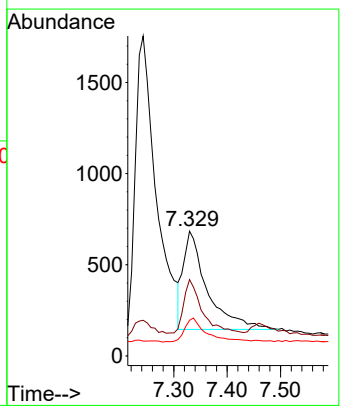


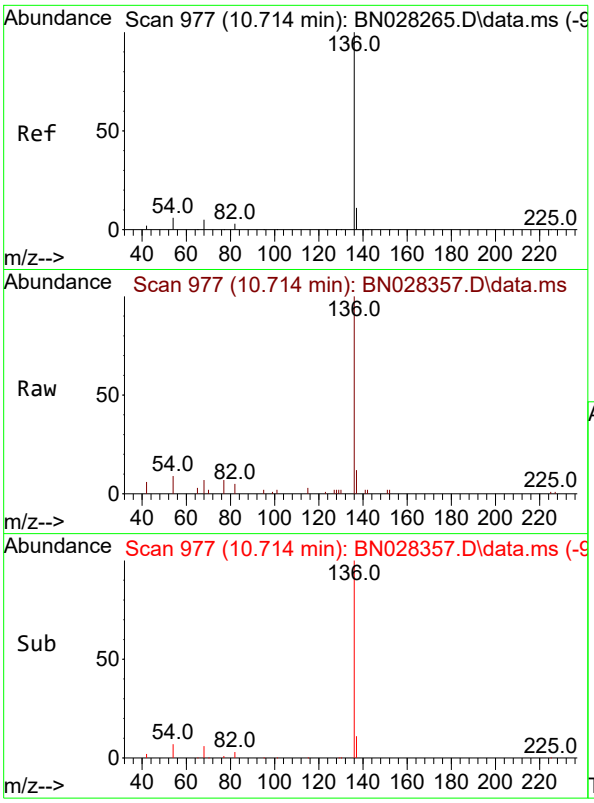


#6
bis(2-Chloroethyl)ether
Concen: 0.161 ng
RT: 7.329 min Scan# 616
Delta R.T. 0.007 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion: 93 Resp: 1680

Ion	Ratio	Lower	Upper
93	100		
63	41.7	62.6	93.8#
95	22.2	27.2	40.8#



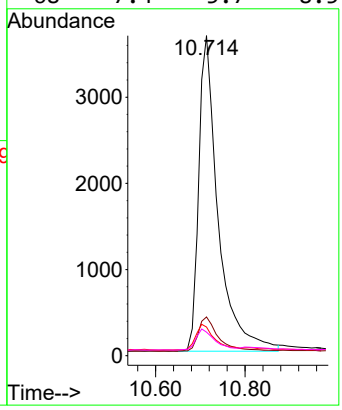


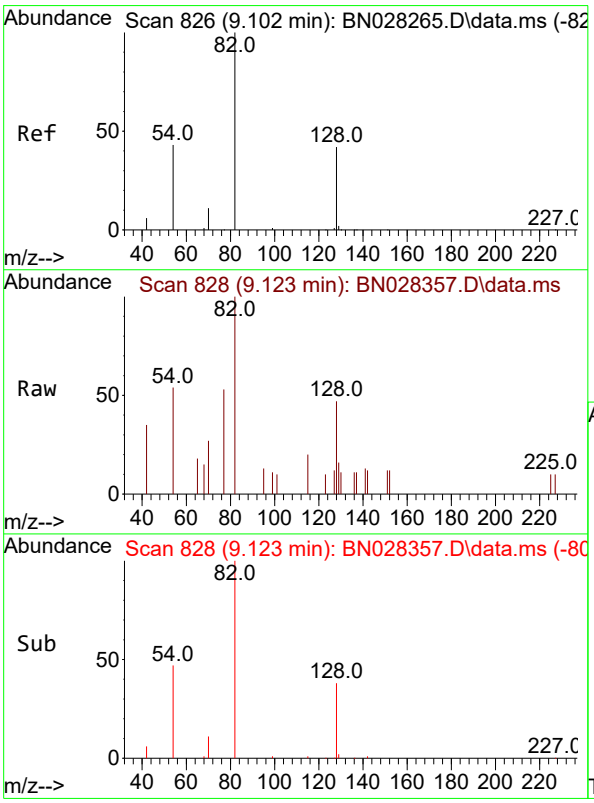
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.714 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:136 Resp: 11027

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	8.9	6.2	9.4
68	7.4	5.7	8.5

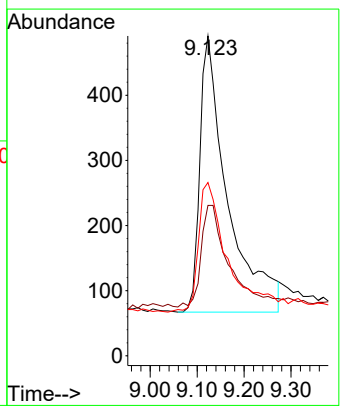


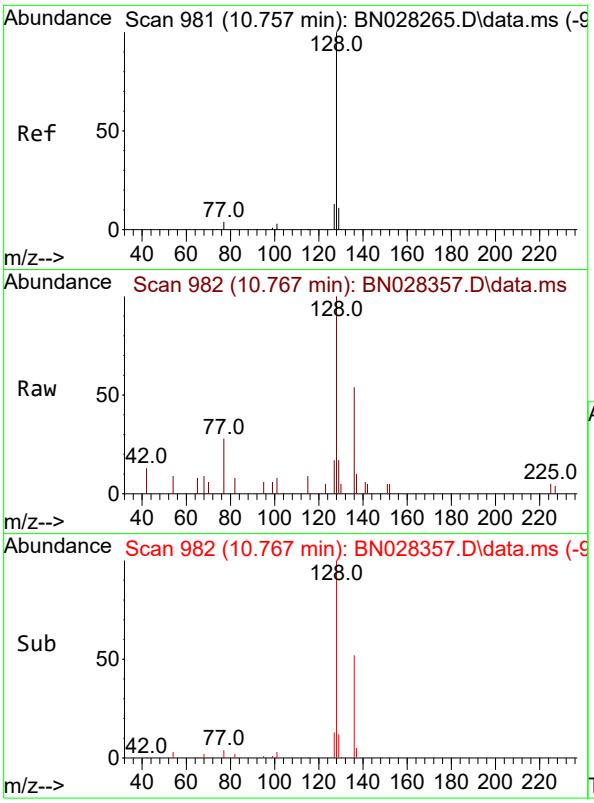


#8
Nitrobenzene-d5
Concen: 0.177 ng
RT: 9.123 min Scan# 828
Delta R.T. 0.021 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion: 82 Resp: 1732

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.8	55.2
54	54.2	37.4	56.2



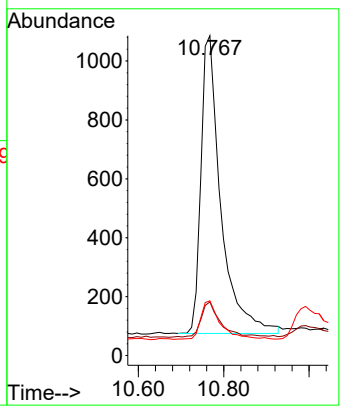


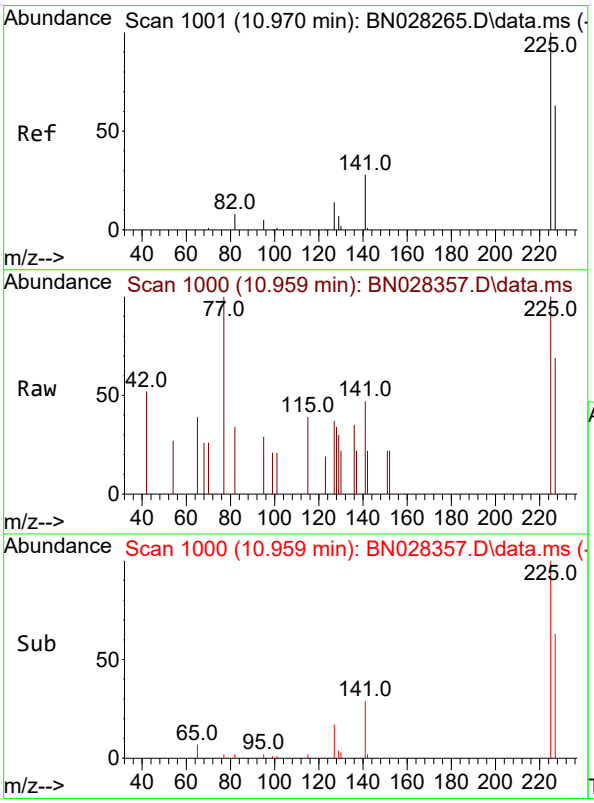
#9
Naphthalene
Concen: 0.115 ng
RT: 10.767 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:128 Resp: 3277

Ion	Ratio	Lower	Upper
128	100		
129	16.8	9.8	14.6#
127	17.1	11.4	17.0#

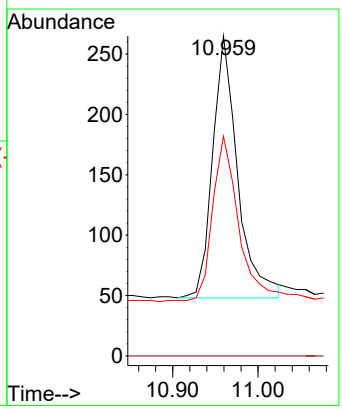


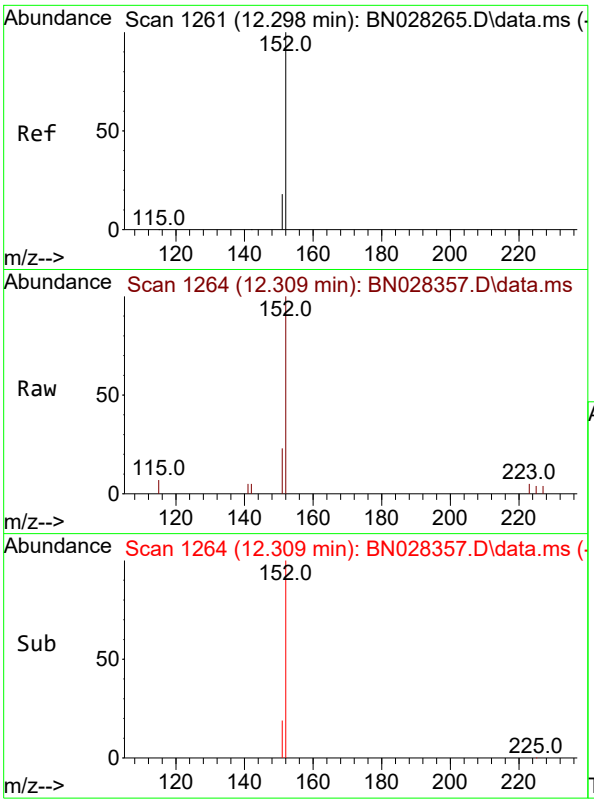


#10
Hexachlorobutadiene
Concen: 0.090 ng
RT: 10.959 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:225 Resp: 442

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.6	77.4



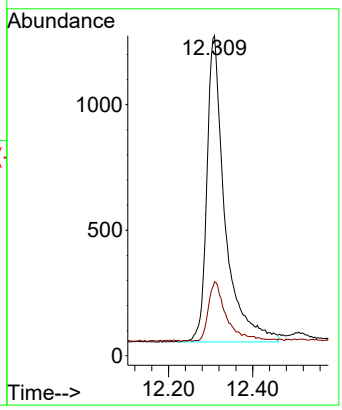


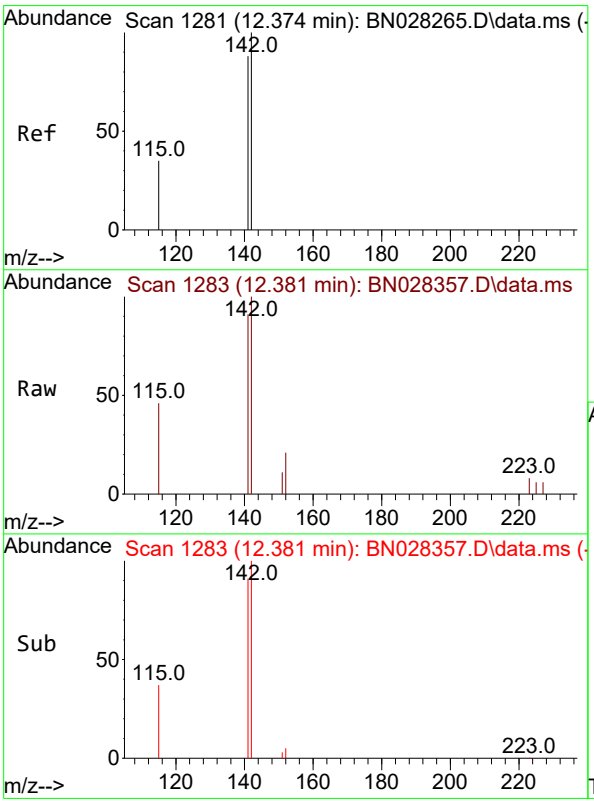
#11
2-Methylnaphthalene-d10
Concen: 0.219 ng
RT: 12.309 min Scan# 1
Delta R.T. 0.015 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:152 Resp: 3629

Ion	Ratio	Lower	Upper
152	100		
151	18.5	16.1	24.1

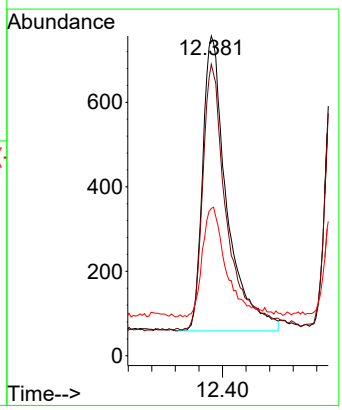


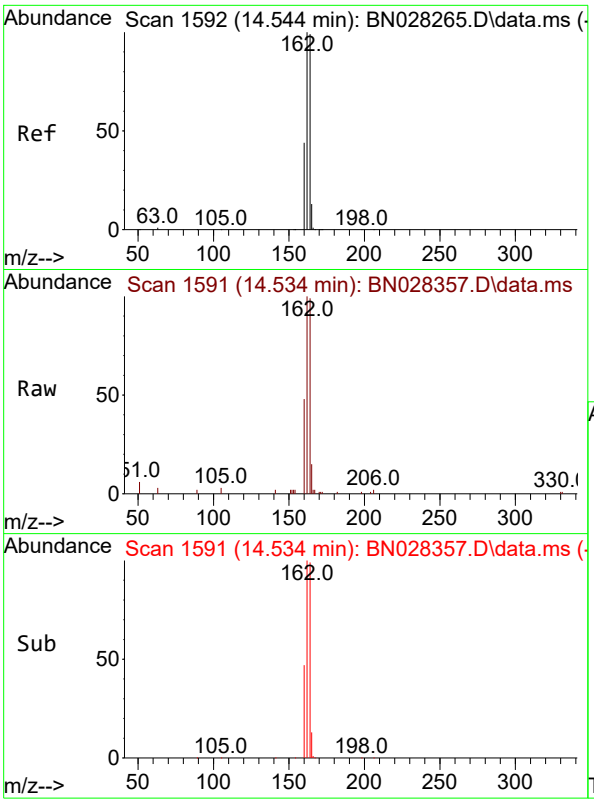


#12
2-Methylnaphthalene
Concen: 0.098 ng
RT: 12.381 min Scan# 1283
Delta R.T. 0.011 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:142 Resp: 1983

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.1	106.7
115	46.1	29.9	44.9#



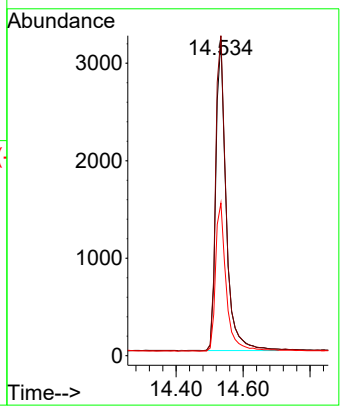


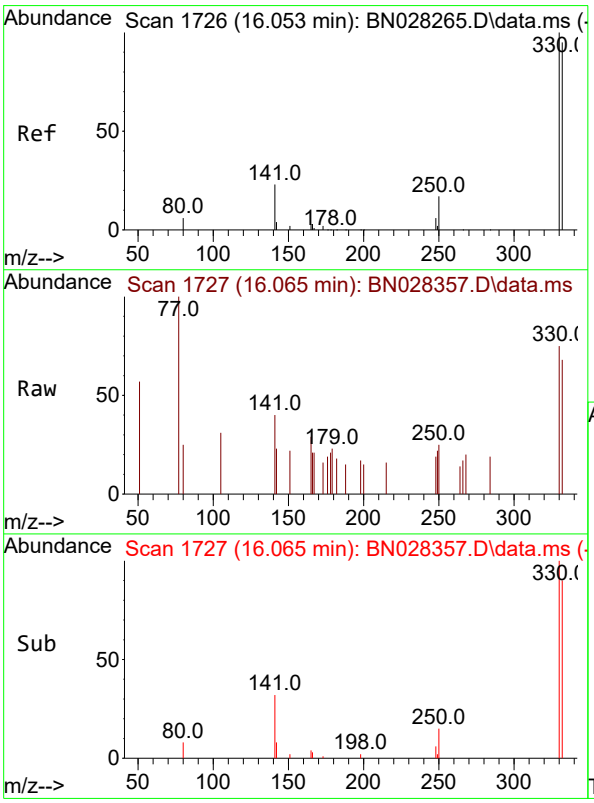
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:164 Resp: 6797

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.1	121.7
160	48.3	36.6	54.8

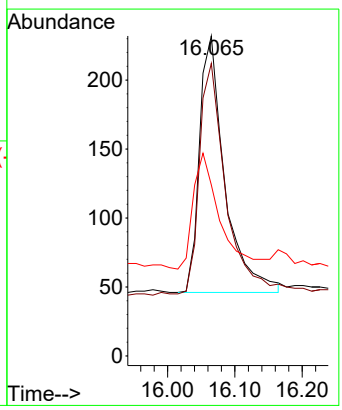


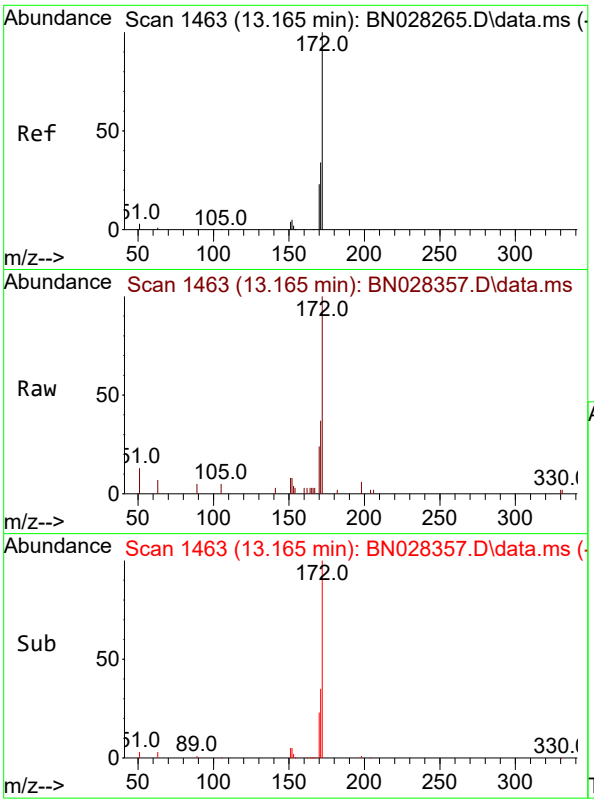


#14
2,4,6-Tribromophenol
Concen: 0.147 ng
RT: 16.065 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:330 Resp: 488

Ion	Ratio	Lower	Upper
330	100		
332	91.8	74.1	111.1
141	45.7	32.1	48.1



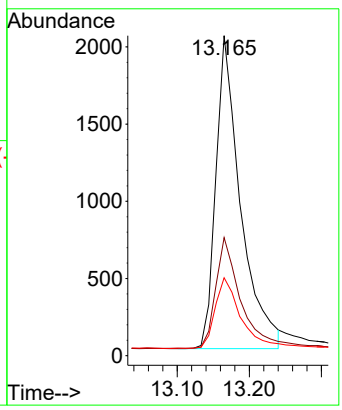


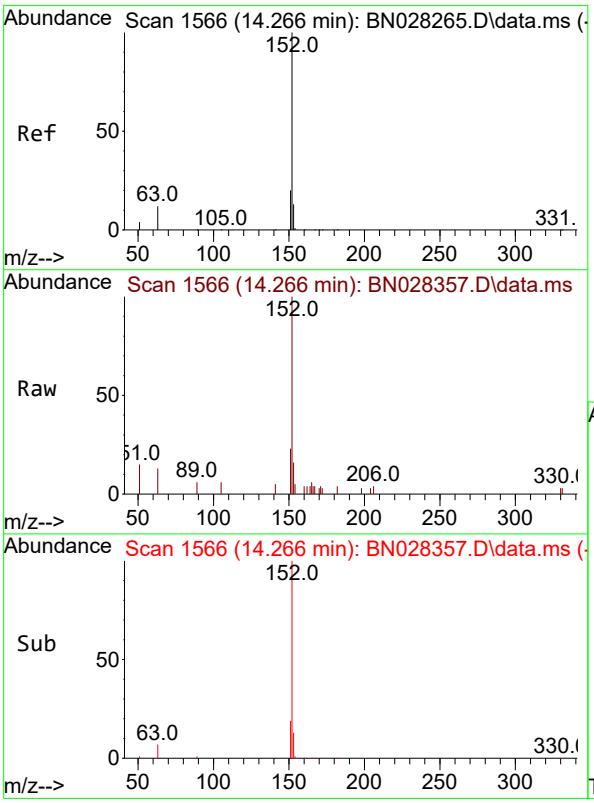
#15
2-Fluorobiphenyl
Concen: 0.201 ng
RT: 13.165 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:172 Resp: 4806

Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.3	42.5
170	24.4	18.7	28.1

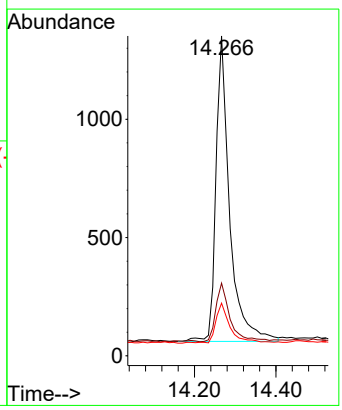


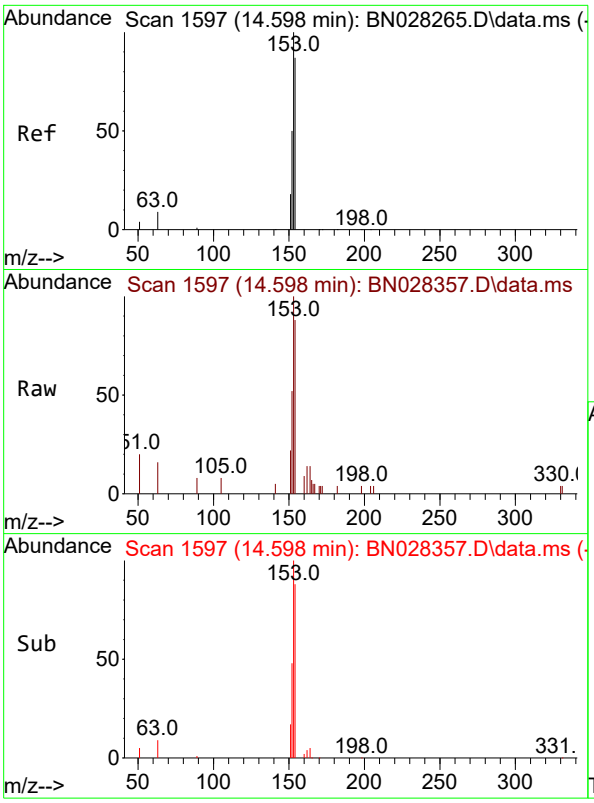


#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.266 min Scan# 1566
Delta R.T. 0.011 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:152 Resp: 3004

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	12.9	10.6	16.0



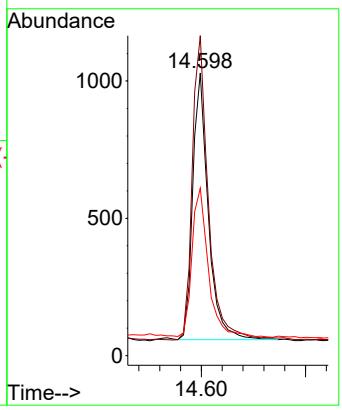


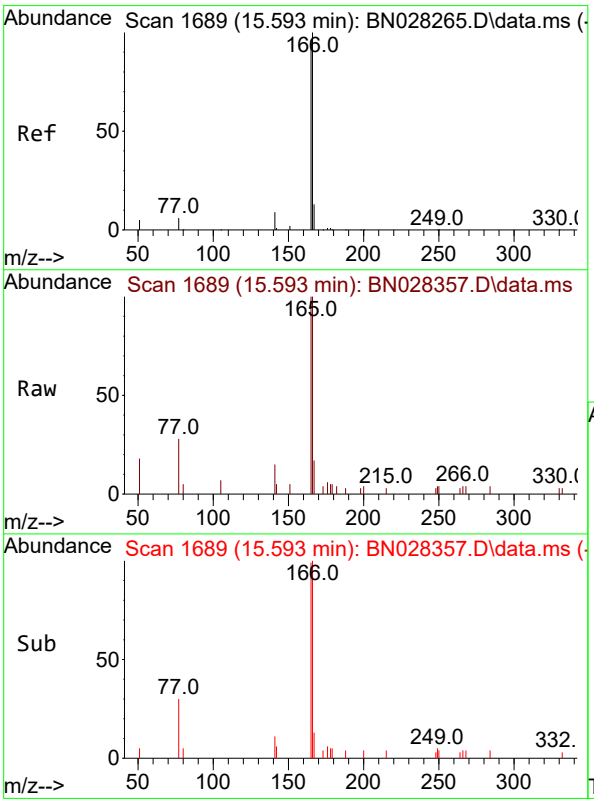
#17
Acenaphthene
Concen: 0.104 ng
RT: 14.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:154 Resp: 2010

Ion	Ratio	Lower	Upper
154	100		
153	118.4	90.7	136.1
152	59.1	43.6	65.4

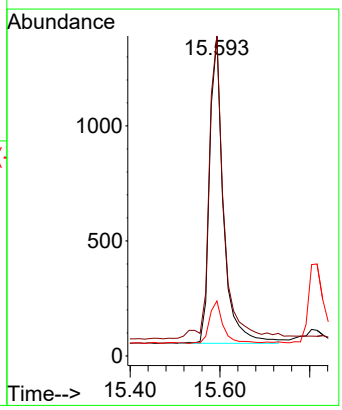


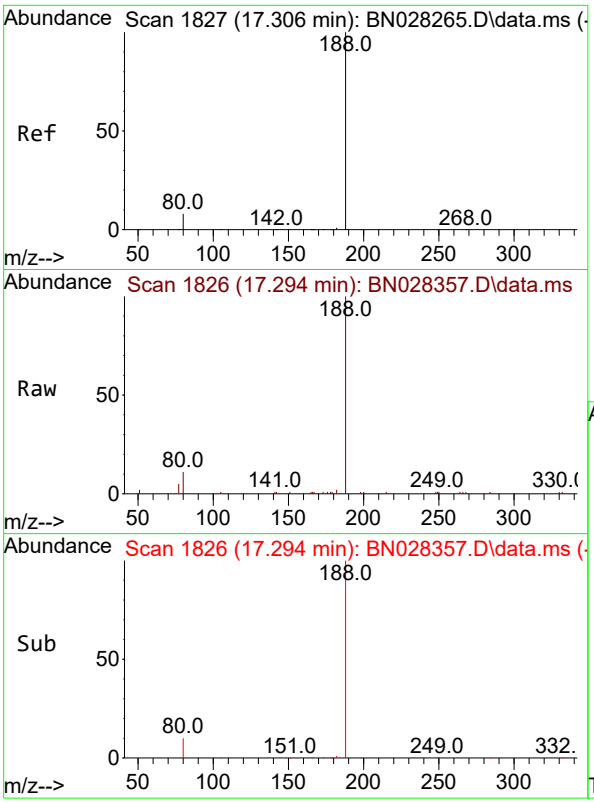


#18
Fluorene
Concen: 0.112 ng
RT: 15.593 min Scan# 1689
Delta R.T. 0.012 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:166 Resp: 2833

Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.3	118.9
167	14.0	10.9	16.3



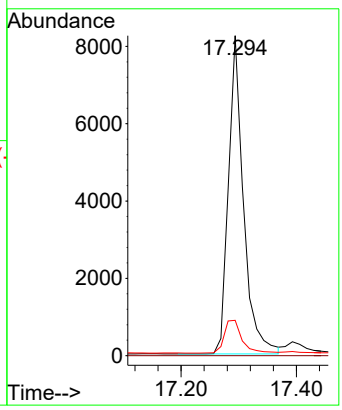


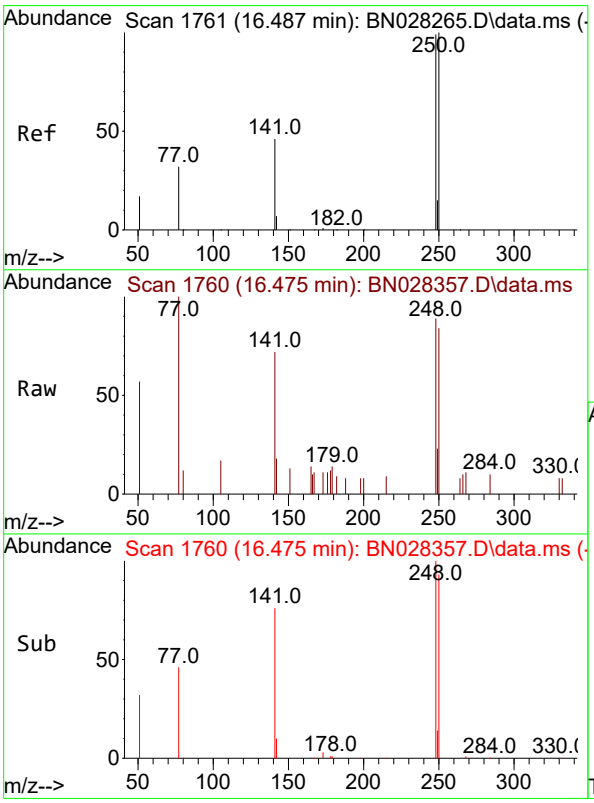
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.294 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:188 Resp: 14937

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	7.1	10.7#

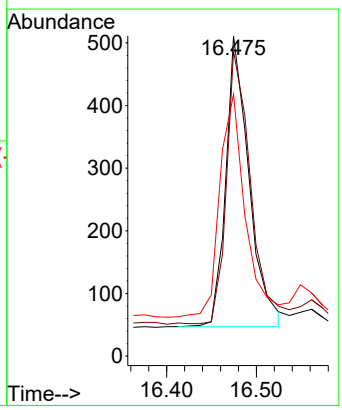


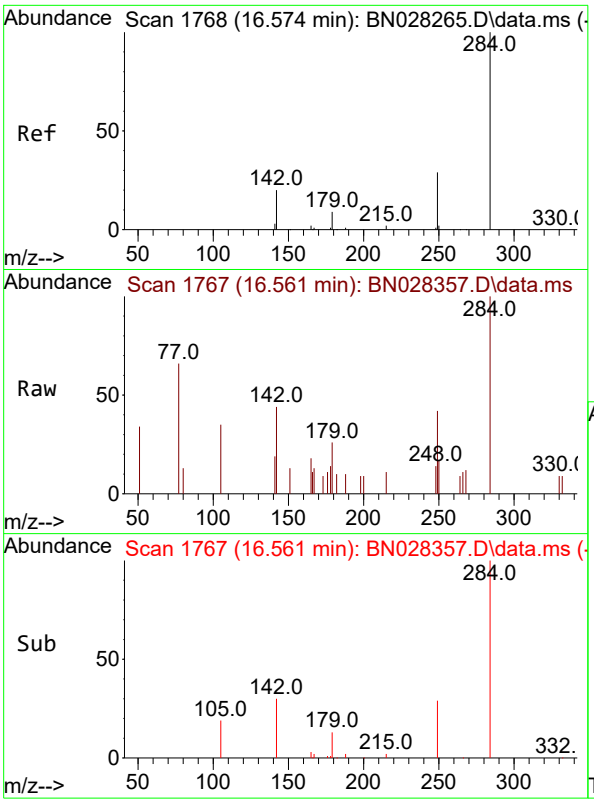


#21
4-Bromophenyl-phenylether
Concen: 0.108 ng
RT: 16.475 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:248 Resp: 834

Ion	Ratio	Lower	Upper
248	100		
250	95.3	80.5	120.7
141	81.8	38.9	58.3#



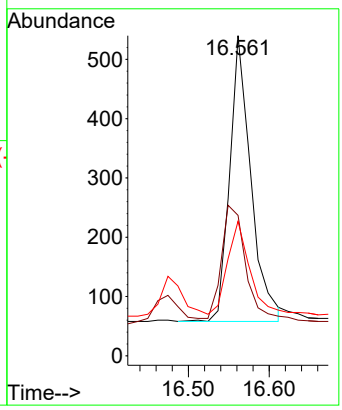


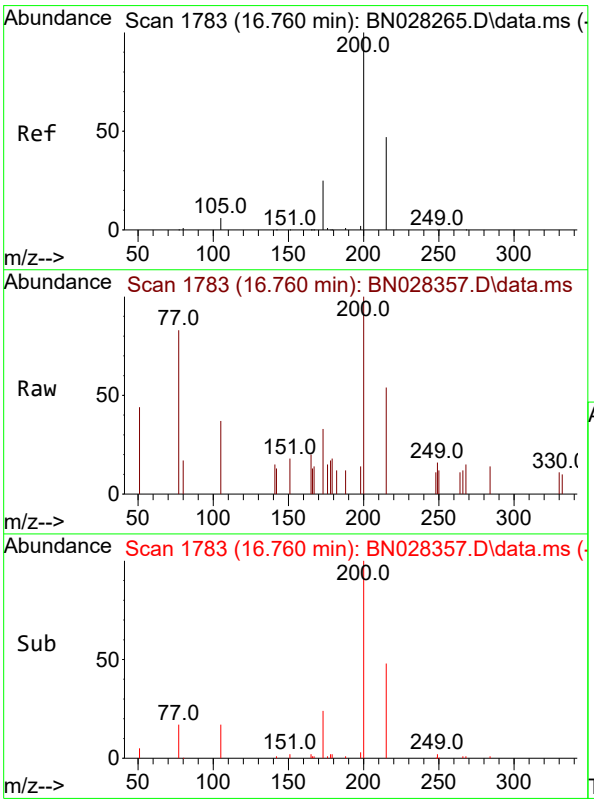
#22
Hexachlorobenzene
Concen: 0.111 ng
RT: 16.561 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:284 Resp: 882

Ion	Ratio	Lower	Upper
284	100		
142	43.4	32.1	48.1
249	33.9	25.5	38.3

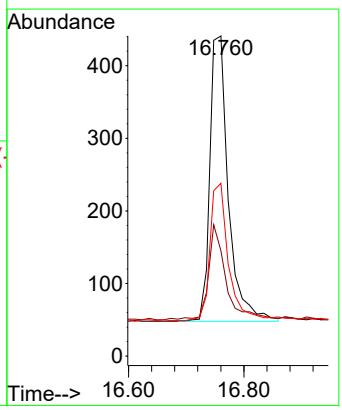


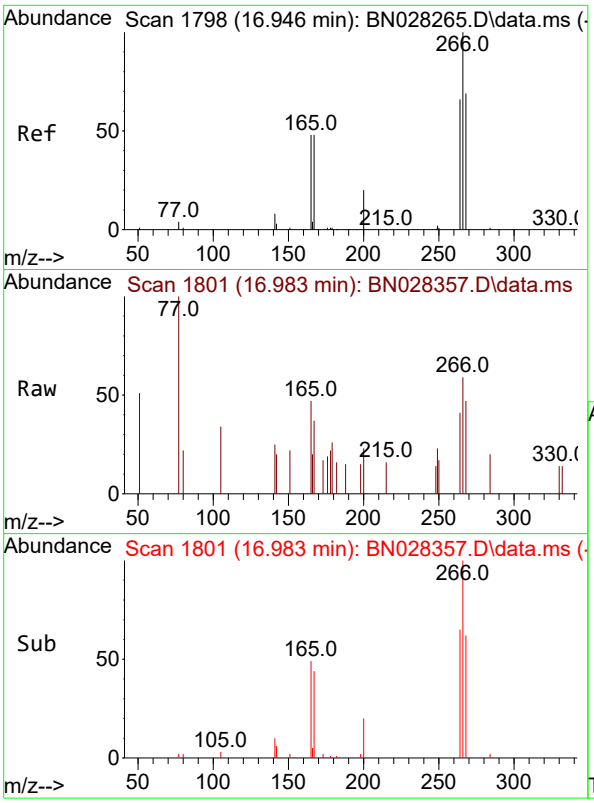


#23
Atrazine
Concen: 0.121 ng
RT: 16.760 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:200 Resp: 871

Ion	Ratio	Lower	Upper
200	100		
173	32.9	21.6	32.4#
215	54.0	39.0	58.6



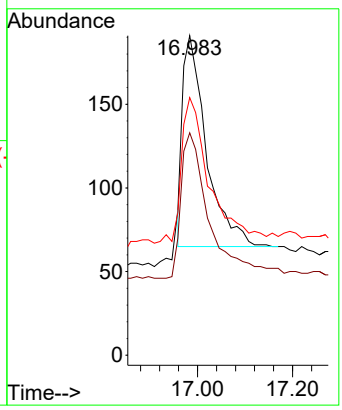


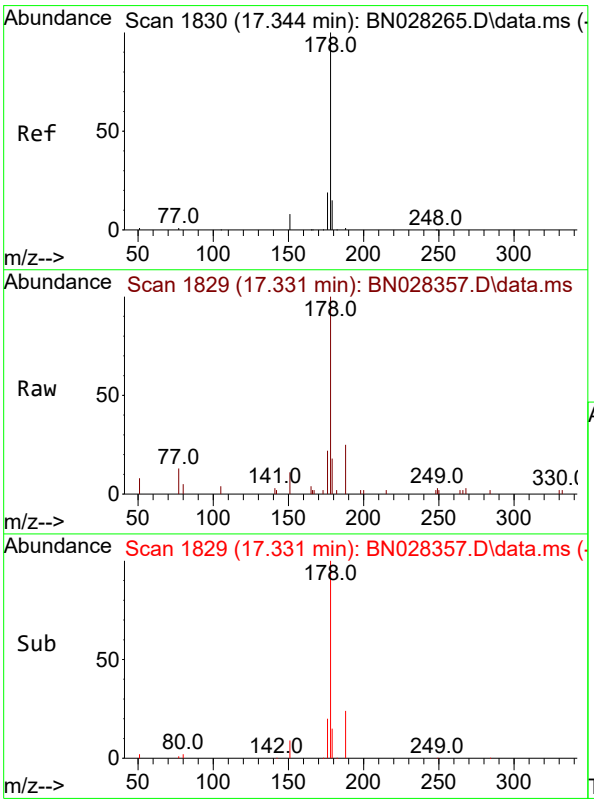
#24
Pentachlorophenol
Concen: 0.121 ng
RT: 16.983 min Scan# 1
Delta R.T. -0.050 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:266 Resp: 437

Ion	Ratio	Lower	Upper
266	100		
264	71.2	51.5	77.3
268	67.7	56.6	84.8

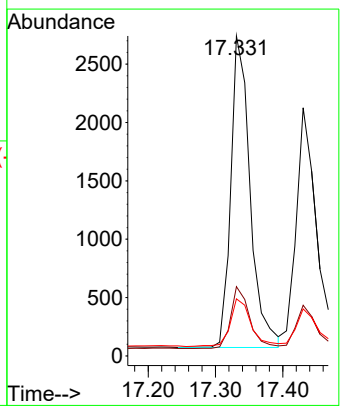


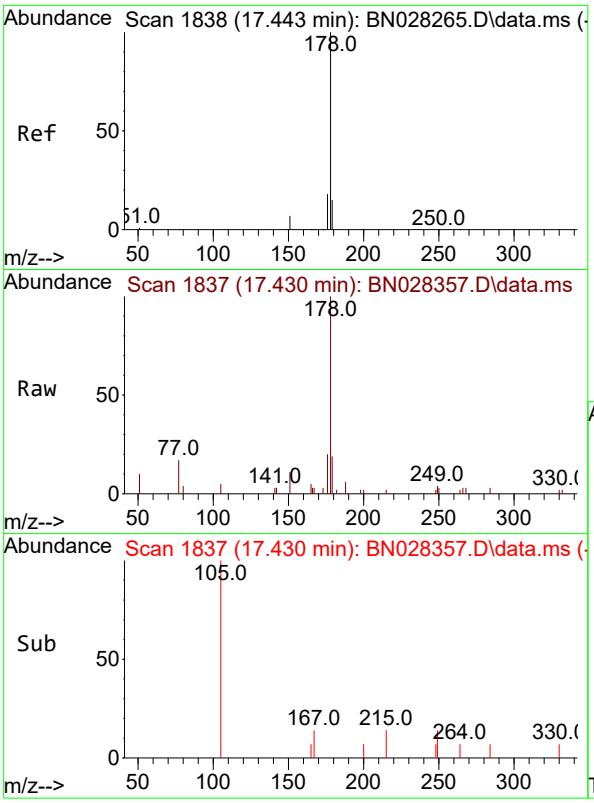


#25
Phenanthrene
Concen: 0.130 ng
RT: 17.331 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:178 Resp: 5332

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.5	12.5	18.7



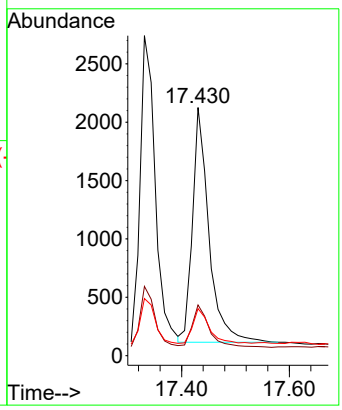


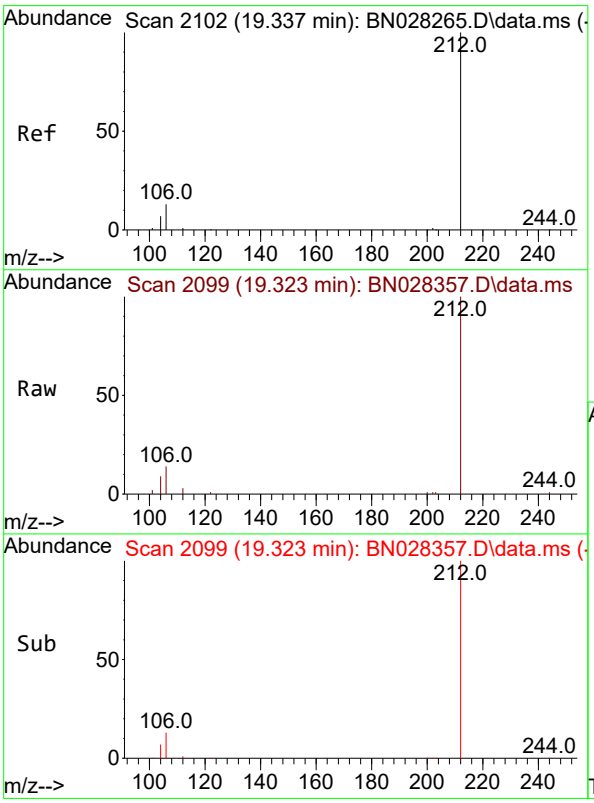
#26
Anthracene
Concen: 0.109 ng
RT: 17.430 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:178 Resp: 4266

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	22.0
179	14.5	12.2	18.4

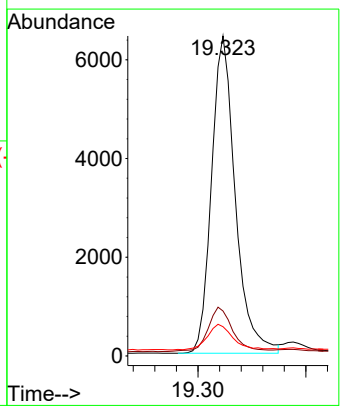


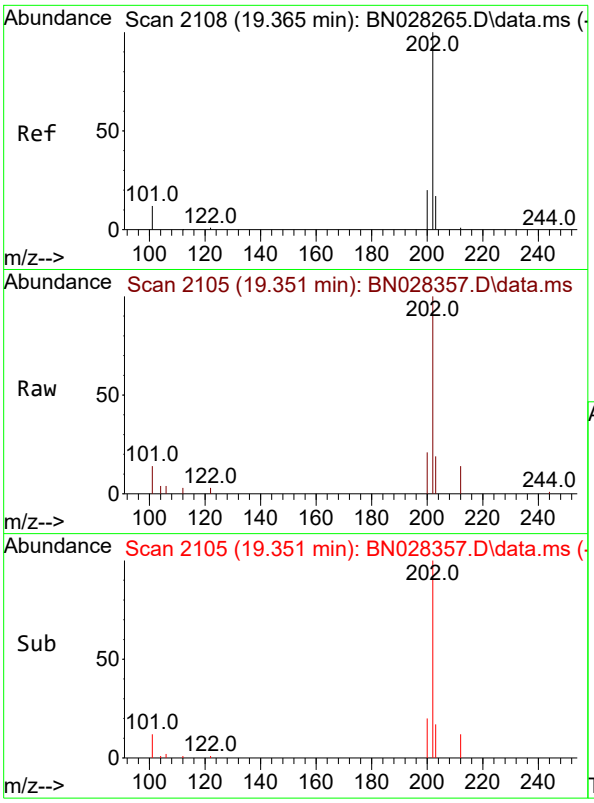


#27
Fluoranthene-d10
Concen: 0.246 ng
RT: 19.323 min Scan# 2099
Delta R.T. -0.005 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:212 Resp: 9842

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.5	17.3
104	8.7	6.7	10.1



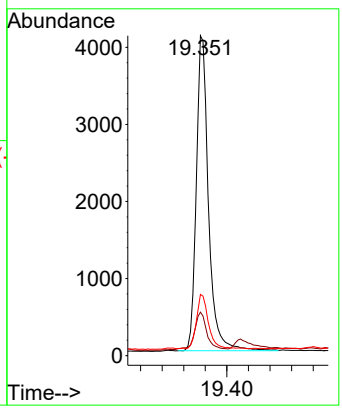


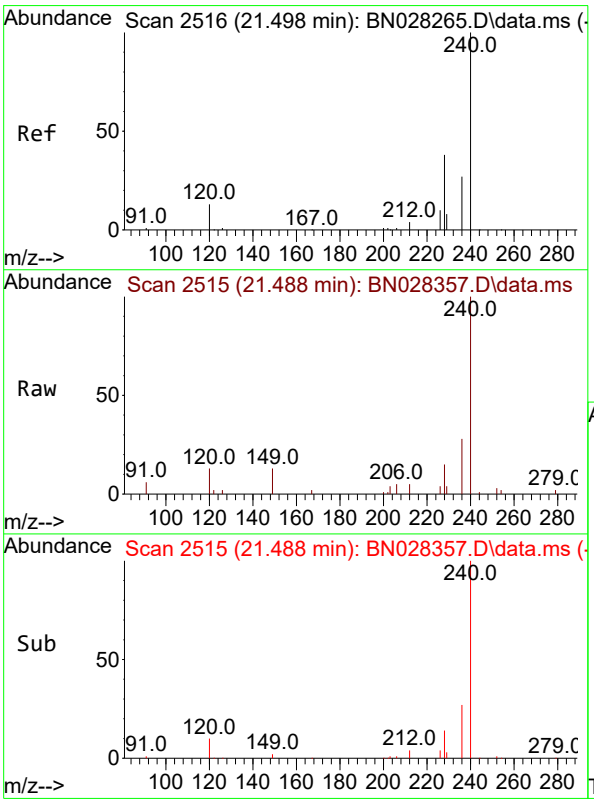
#28
Fluoranthene
Concen: 0.125 ng
RT: 19.351 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:202 Resp: 6410

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.1	15.1
203	16.9	13.9	20.9

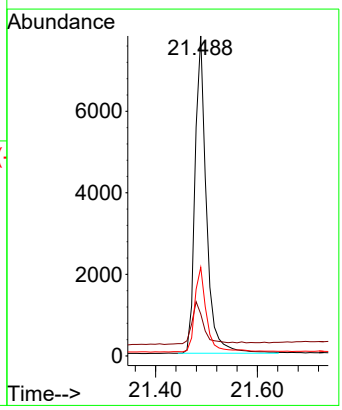


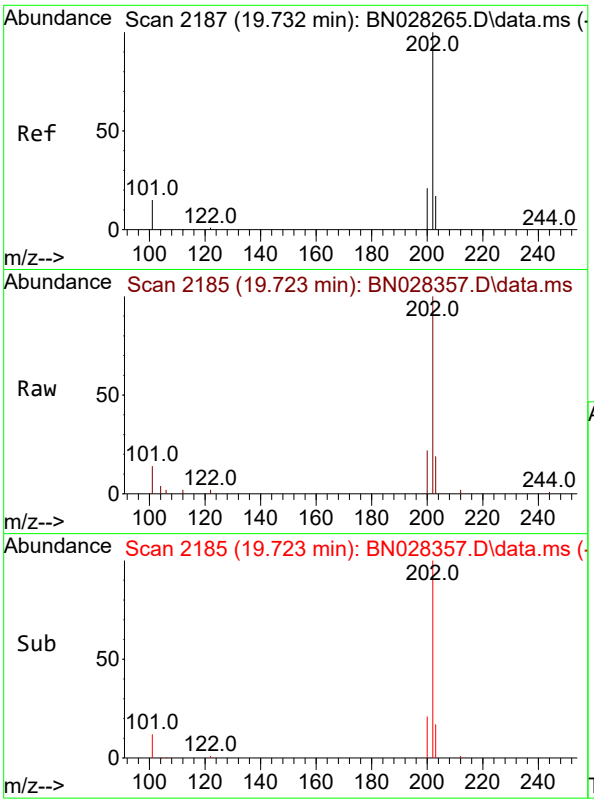


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.488 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:240 Resp: 12070

Ion	Ratio	Lower	Upper
240	100		
120	13.1	13.4	20.0#
236	27.7	22.7	34.1



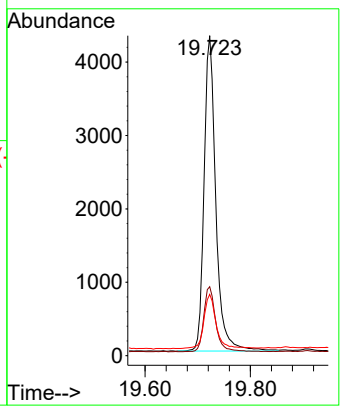


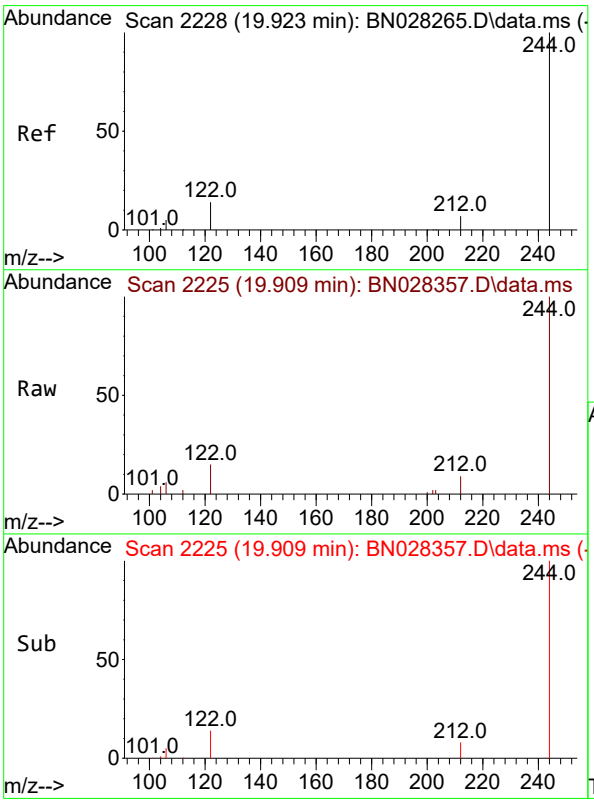
#30
Pyrene
Concen: 0.161 ng
RT: 19.723 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:202 Resp: 6652

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.9	14.5	21.7

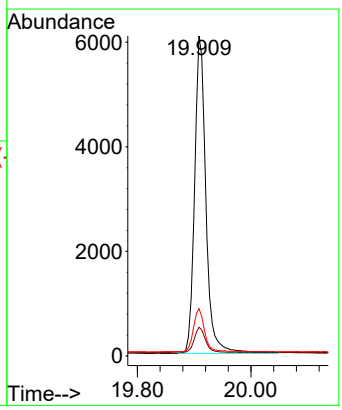


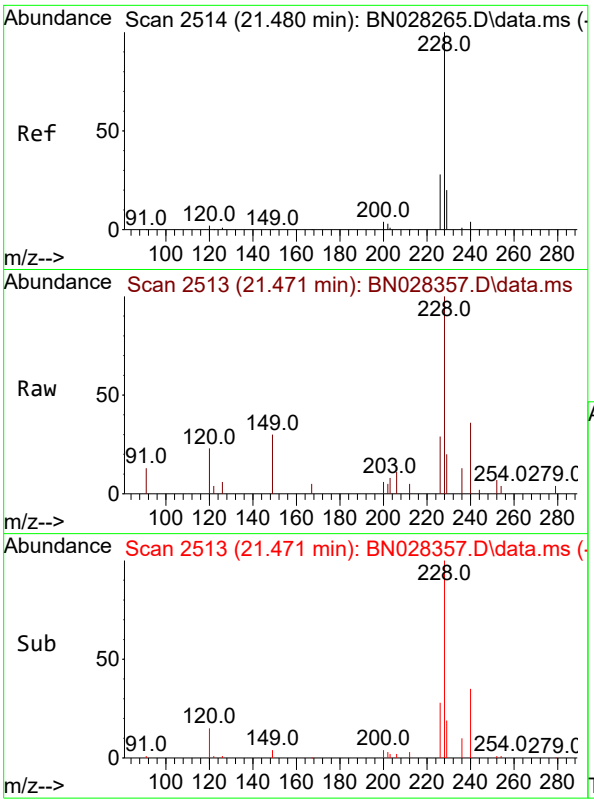


#31
Terphenyl-d14
Concen: 0.328 ng
RT: 19.909 min Scan# 2225
Delta R.T. -0.009 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:244 Resp: 8397

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.6	10.0
122	14.8	11.7	17.5



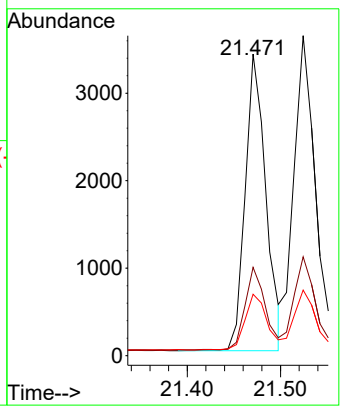


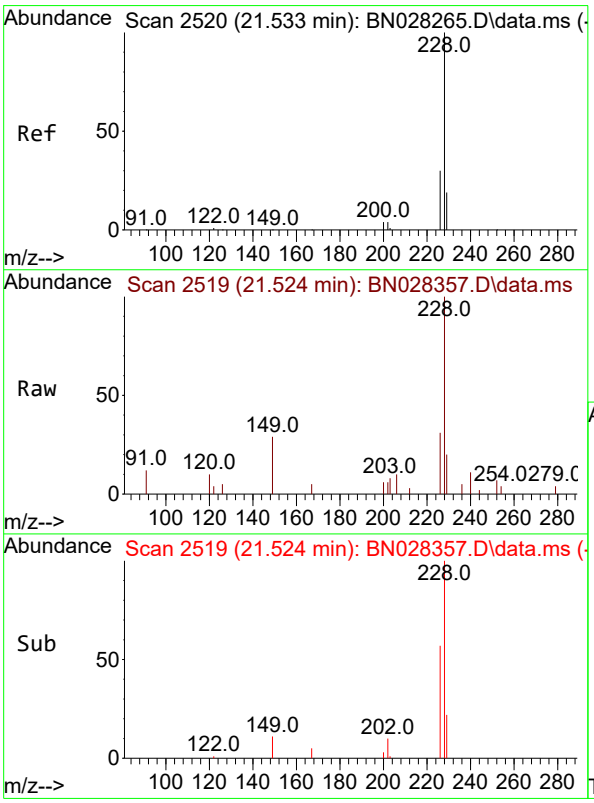
#32
Benzo(a)anthracene
Concen: 0.122 ng
RT: 21.471 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:228 Resp: 5228

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.9	34.3
229	20.4	16.6	24.8

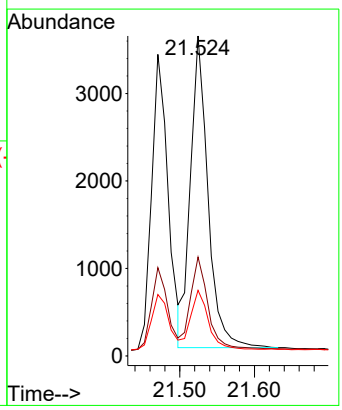


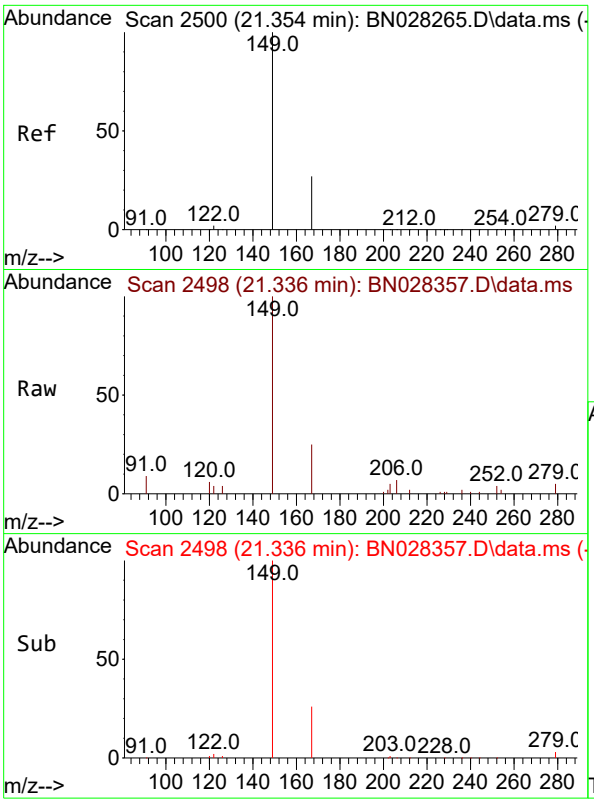


#33
Chrysene
Concen: 0.142 ng
RT: 21.524 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:228 Resp: 5810

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	20.5	16.6	25.0



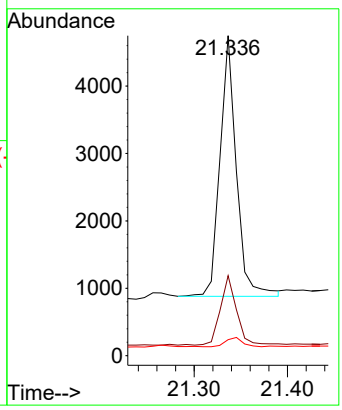


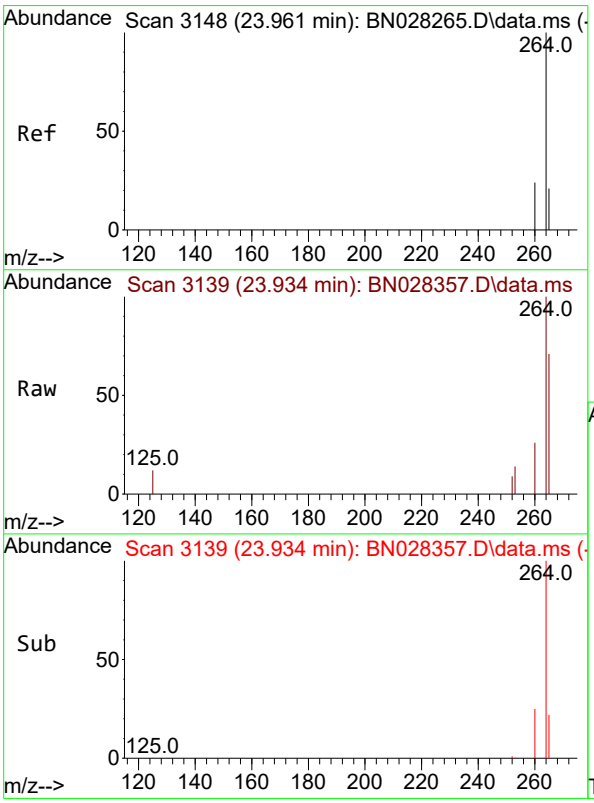
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.144 ng
RT: 21.336 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:149 Resp: 4717

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.6	34.0
279	3.6	4.2	6.2#

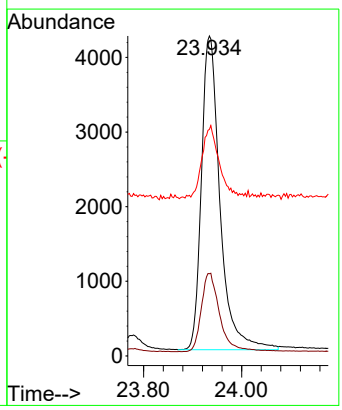


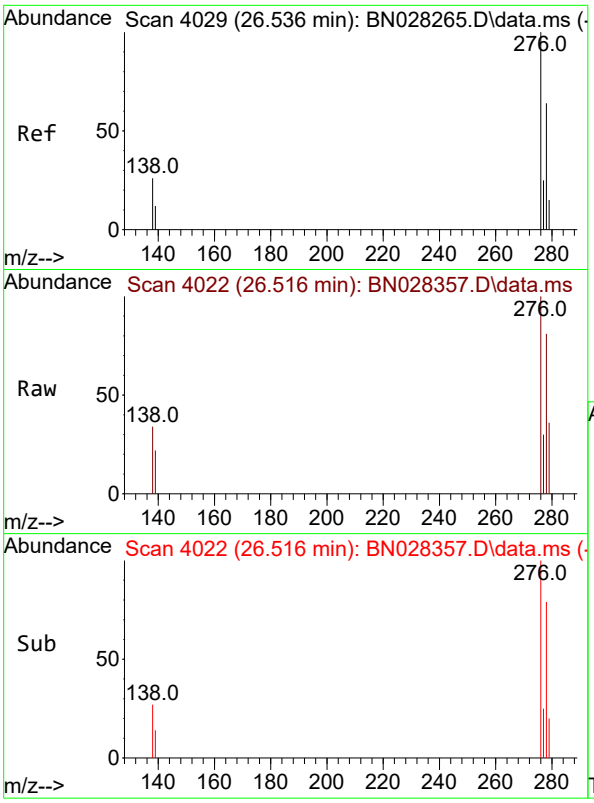


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.934 min Scan# 3139
Delta R.T. -0.003 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:264 Resp: 11033

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.7	31.1
265	70.8	38.3	57.5#



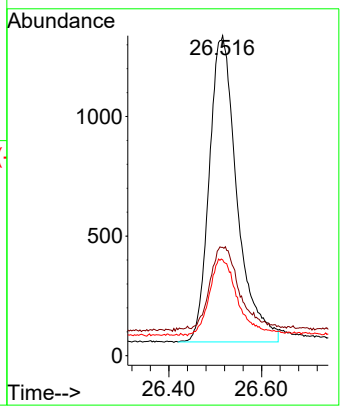


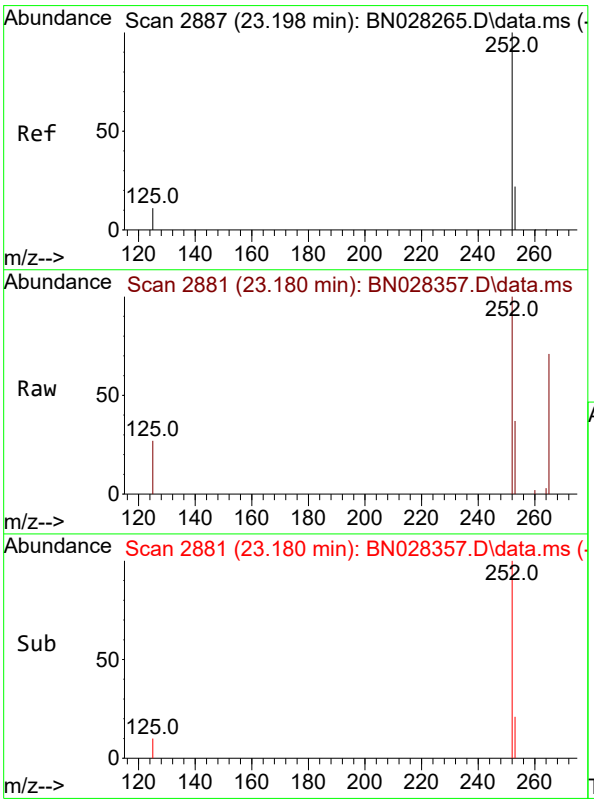
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.119 ng
RT: 26.516 min Scan# 4
Delta R.T. 0.012 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:276 Resp: 5313

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.3	31.9
277	25.1	20.0	30.0

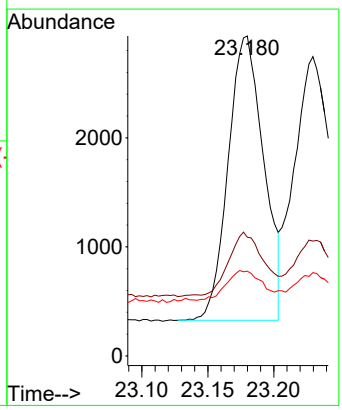


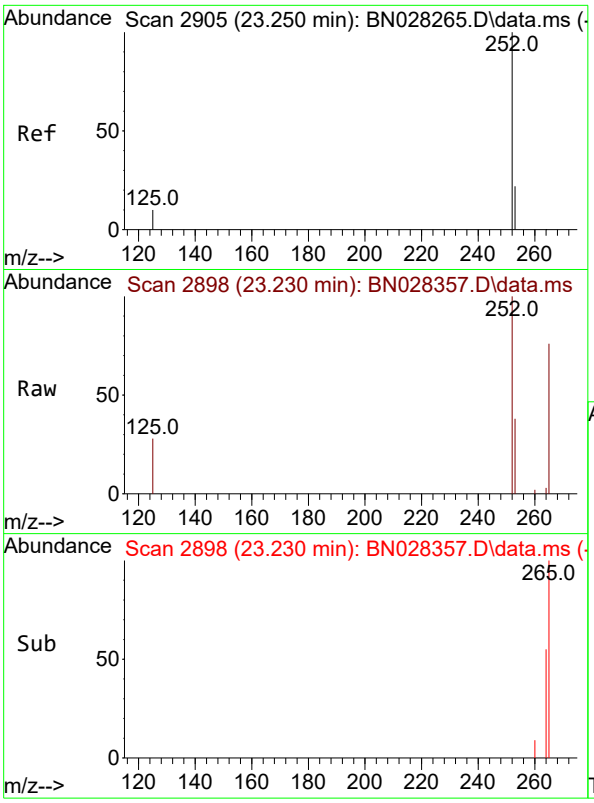


#37
Benzo(b)fluoranthene
Concen: 0.142 ng
RT: 23.180 min Scan# 2881
Delta R.T. 0.003 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:252 Resp: 4890

Ion	Ratio	Lower	Upper
252	100		
253	37.1	21.8	32.8#
125	26.5	15.6	23.4#



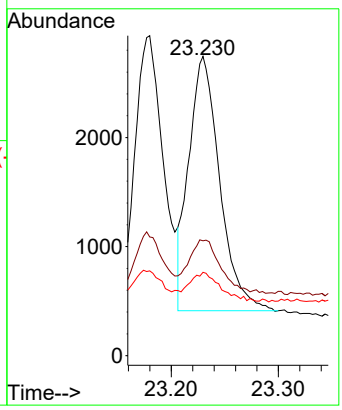


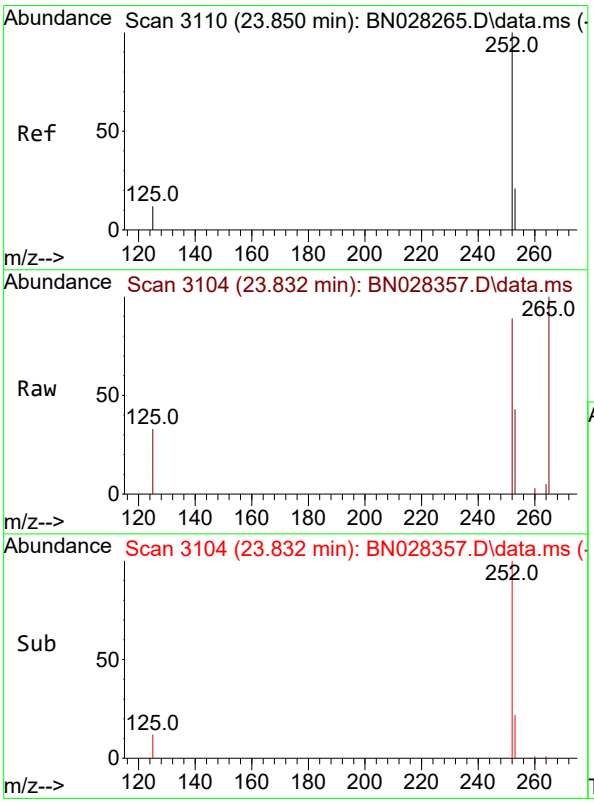
#38
Benzo(k)fluoranthene
Concen: 0.133 ng
RT: 23.230 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:252 Resp: 4680

Ion	Ratio	Lower	Upper
252	100		
253	38.4	22.0	33.0#
125	27.8	15.3	22.9#

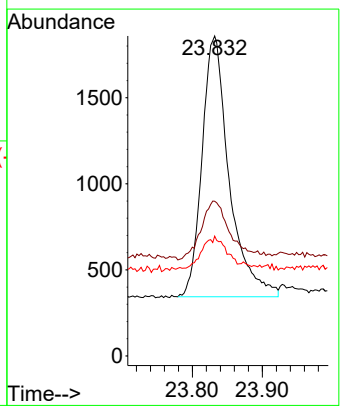


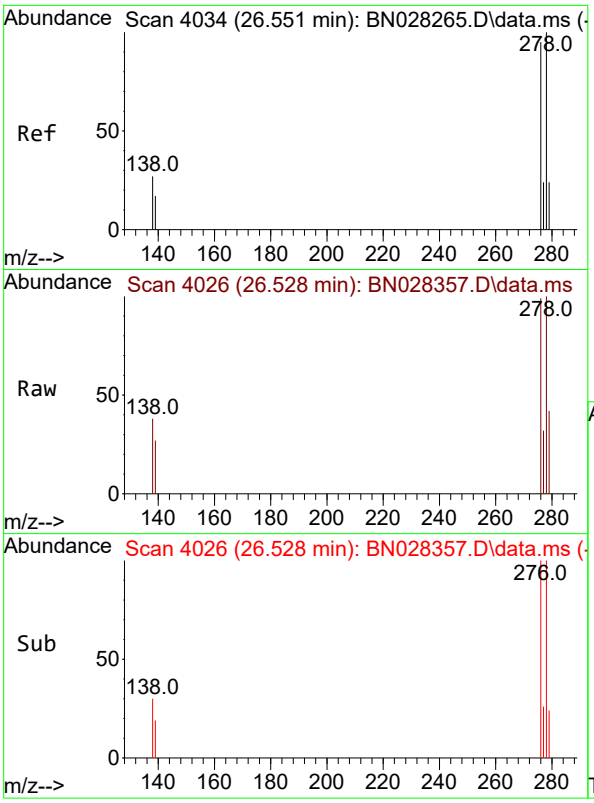


#39
Benzo(a)pyrene
Concen: 0.119 ng
RT: 23.832 min Scan# 3104
Delta R.T. 0.003 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:252 Resp: 4073

Ion	Ratio	Lower	Upper
252	100		
253	48.4	22.7	34.1#
125	37.4	17.0	25.6#



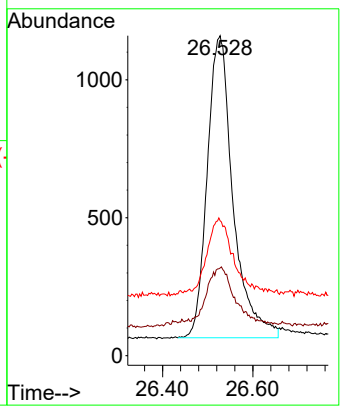


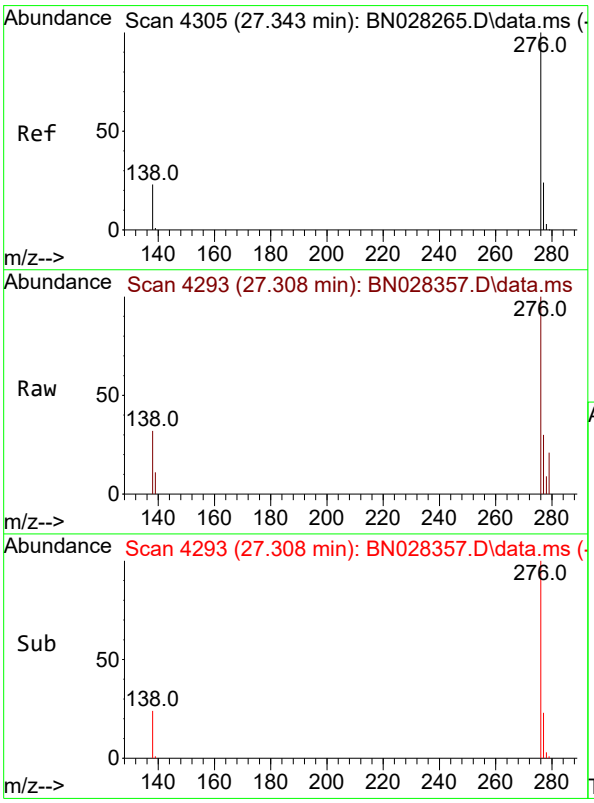
#40
Dibenzo(a,h)anthracene
Concen: 0.120 ng
RT: 26.528 min Scan# 4
Delta R.T. 0.009 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-355-375-102023

Tgt Ion:278 Resp: 4344

Ion	Ratio	Lower	Upper
278	100		
139	27.4	18.8	28.2
279	42.2	23.5	35.3#





#41
Benzo(g,h,i)perylene
Concen: 0.124 ng
RT: 27.308 min Scan# 4293
Delta R.T. 0.003 min
Lab File: BN028357.D
Acq: 23 Oct 2023 22:37

Tgt Ion:276 Resp: 4608

Ion	Ratio	Lower	Upper
276	100		
277	30.2	21.7	32.5
138	32.0	21.7	32.5