Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102323\
Data File : BN028367.D
Acq On : 24 Oct 2023 04:36
Operator : MA/JU
Sample : 04841-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Quant Time: Oct 24 08:19:18 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	7.871	152	5061	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	16867	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	14364	0.400	ng	-0.01
19) Phenanthrene-d10	17.282	188	18564	0.400	ng	#-0.01
29) Chrysene-d12	21.480	240	19282	0.400	ng	# 0.00
35) Perylene-d12	23.920	264	19961	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.416	112	3488	0.222	ng	-0.01
5) Phenol-d6	7.041	99	4359	0.225	ng	-0.01
8) Nitrobenzene-d5	9.070	82	3097	0.207	ng	-0.03
11) 2-Methylnaphthalene-d10	12.268	152	5388	0.213	ng	-0.03
14) 2,4,6-Tribromophenol	16.028	330	891	0.127	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	7080	0.140	ng	-0.02
27) Fluoranthene-d10	19.319	212	10031	0.202	ng	0.00
31) Terphenyl-d14	19.904	244	8520	0.208	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.292	88	1524	0.249	ng	# 57
3) n-Nitrosodimethylamine	3.646	42	2075	0.311	ng	95
6) bis(2-Chloroethyl)ether	7.315	93	5592	0.375	ng	# 90
9) Naphthalene	10.735	128	530916	12.135	ng	97
10) Hexachlorobutadiene	10.949	225	2564	0.342	ng	# 100
12) 2-Methylnaphthalene	12.343	142	294134	9.461	ng	99
16) Acenaphthylene	14.245	152	546617	8.469	ng	98
17) Acenaphthene	14.587	154	100519	2.472	ng	93
18) Fluorene	15.569	166	426423	7.965	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.780	198	118	0.275	ng	# 1
21) 4-Bromophenyl-phenylether	16.462	248	3615	0.378	ng	# 70
22) Hexachlorobenzene	16.549	284	3632	0.369	ng	# 74
23) Atrazine	16.735	200	3272	0.365	ng	# 73
25) Phenanthrene	17.319	178	3160484	62.196	ng	100
26) Anthracene	17.418	178	868507	17.895	ng	# 90
28) Fluoranthene	19.351	202	2346902	36.763	ng	99
30) Pyrene	19.718	202	2832893	42.936	ng	97
32) Benzo(a)anthracene	21.462	228	1358881	19.838	ng	99
33) Chrysene	21.515	228	1126924	17.189	ng	98
34) Bis(2-ethylhexyl)phtha...	21.336	149	16723	0.320	ng	99
36) Indeno(1,2,3-cd)pyrene	26.481	276	590915	7.343	ng	97
37) Benzo(b)fluoranthene	23.168	252	1144328	18.341	ng	# 88
39) Benzo(a)pyrene	23.972	252	243482	3.923	ng	97
40) Dibenzo(a,h)anthracene	26.484	278	180876	2.769	ng	97
41) Benzo(g,h,i)perylene	27.291	276	617081	9.148	ng	95

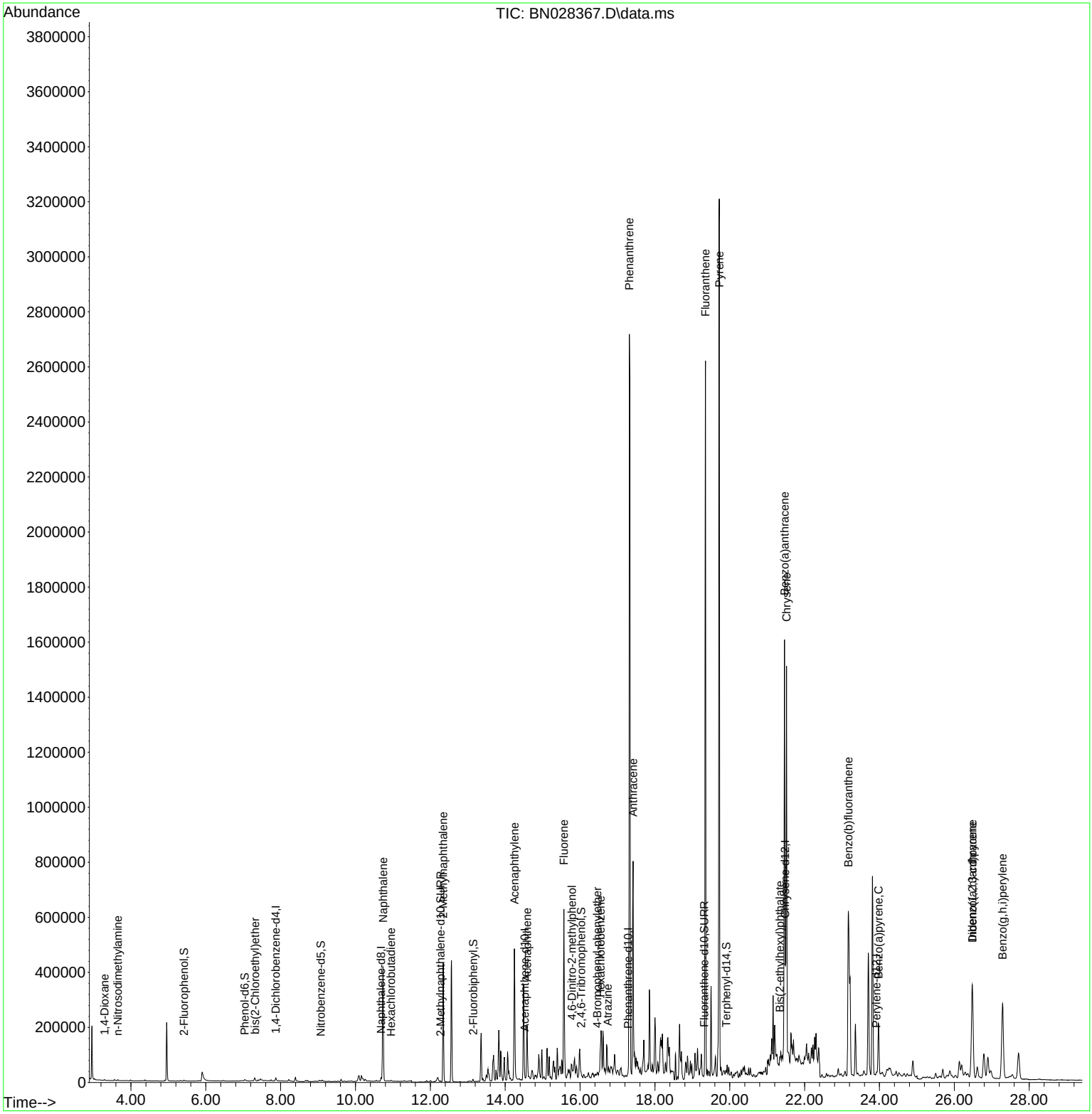
(#) = qualifier out of range (m) = manual integration (+) = signals summed

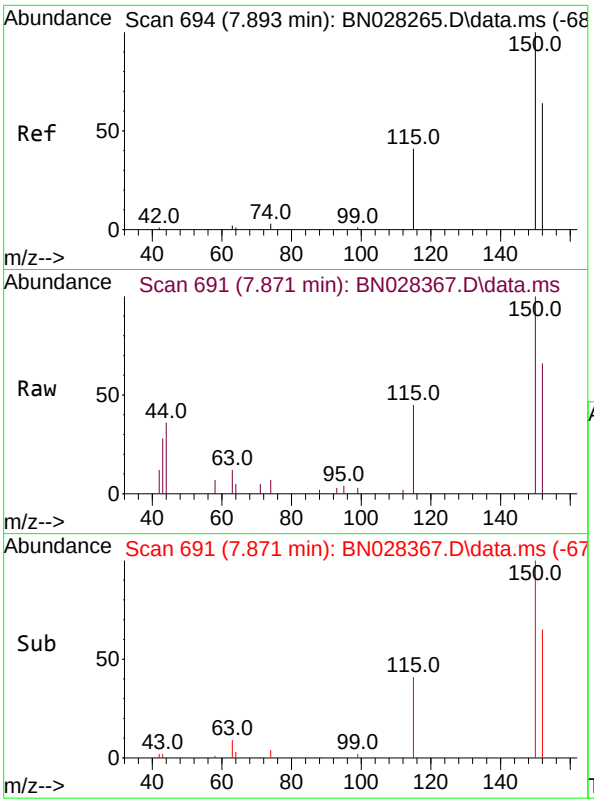
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102323\
Data File : BN028367.D
Acq On : 24 Oct 2023 04:36
Operator : MA/JU
Sample : 04841-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Quant Time: Oct 24 08:19:18 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



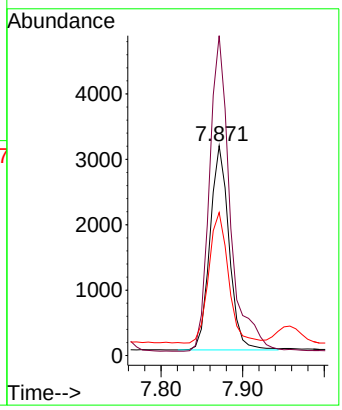


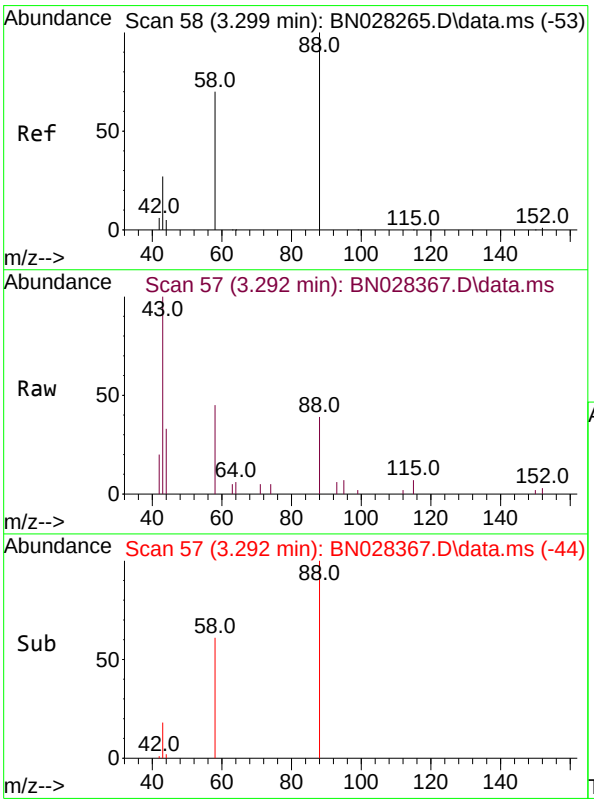
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:152 Resp: 5061

Ion	Ratio	Lower	Upper
152	100		
150	152.4	121.6	182.4
115	68.2	54.3	81.5

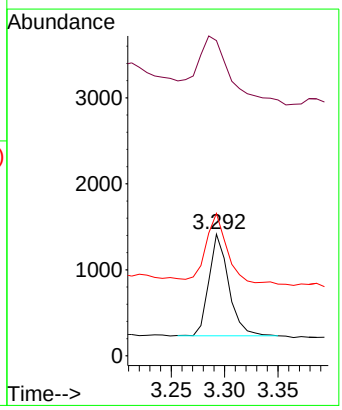


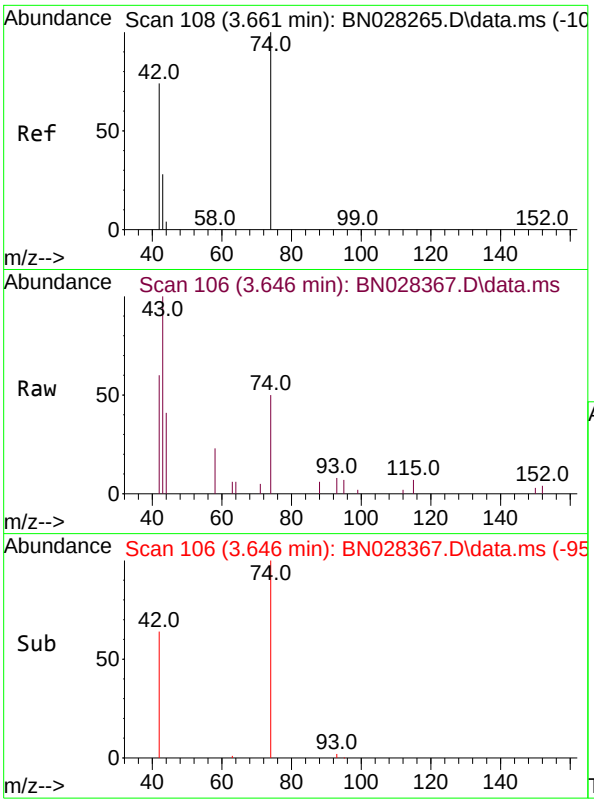


#2
1,4-Dioxane
Concen: 0.249 ng
RT: 3.292 min Scan# 57
Delta R.T. -0.007 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion: 88 Resp: 1524

Ion	Ratio	Lower	Upper
88	100		
43	97.8	26.6	39.8#
58	76.0	55.4	83.0



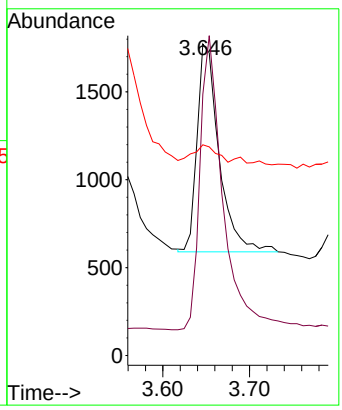


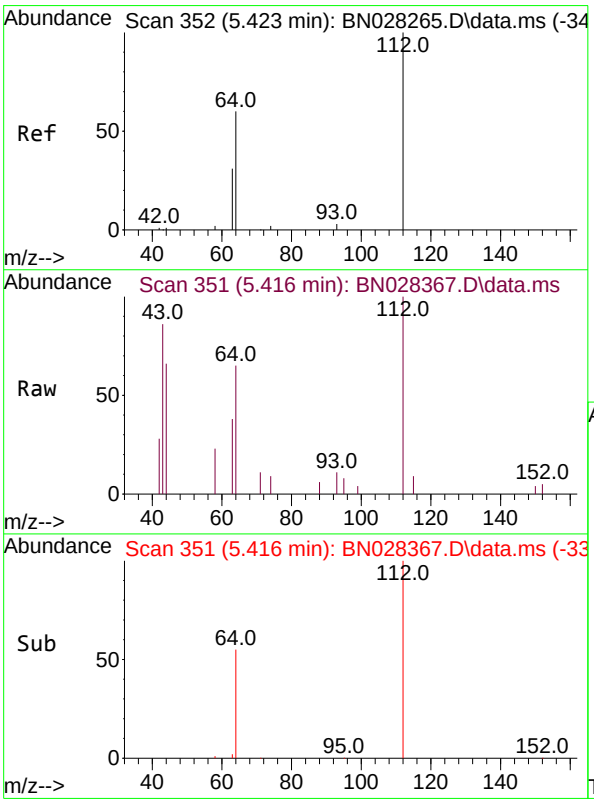
#3
n-Nitrosodimethylamine
Concen: 0.311 ng
RT: 3.646 min Scan# 1
Delta R.T. -0.022 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion: 42 Resp: 2075

Ion	Ratio	Lower	Upper
42	100		
74	146.7	112.6	168.8
44	8.4	7.8	11.6

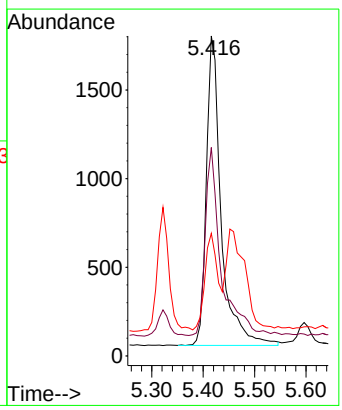


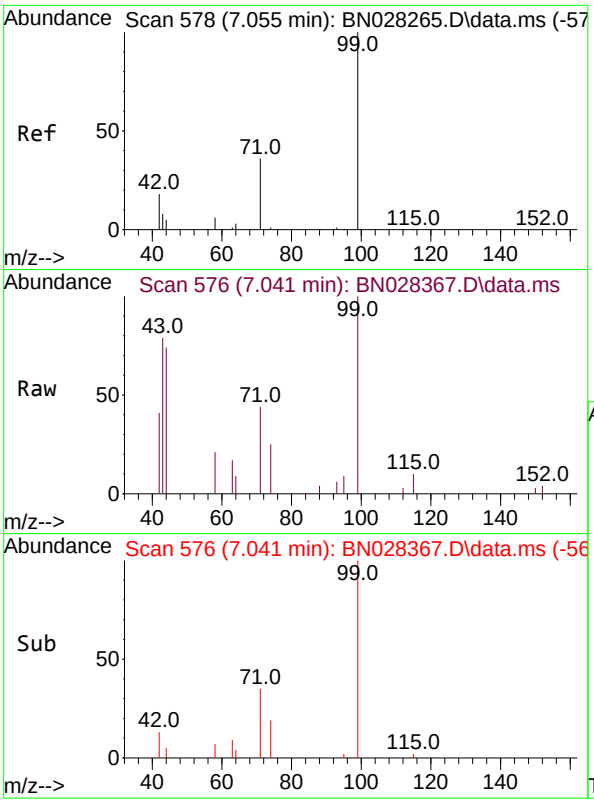


#4
2-Fluorophenol
Concen: 0.222 ng
RT: 5.416 min Scan# 351
Delta R.T. -0.014 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:112 Resp: 3488

Ion	Ratio	Lower	Upper
112	100		
64	64.2	46.9	70.3
63	27.6	25.0	37.4



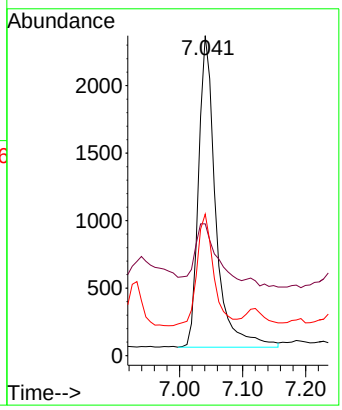


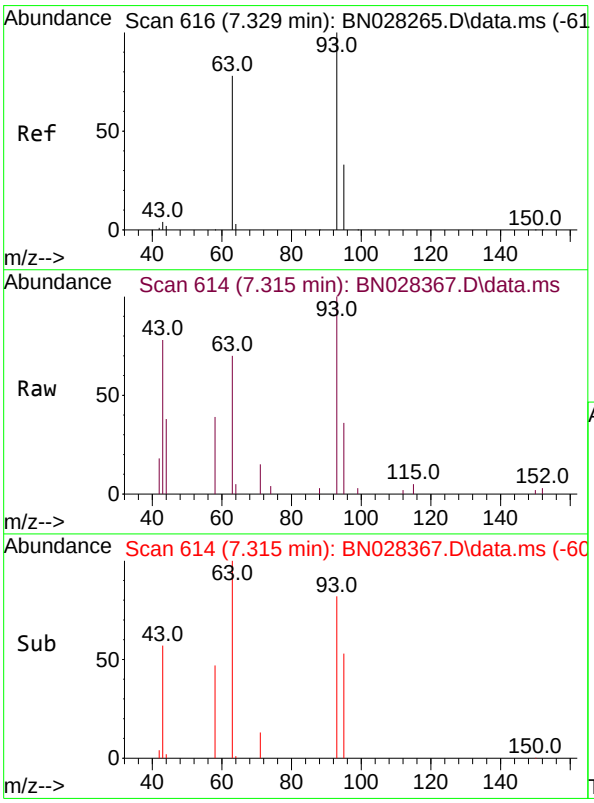
#5
Phenol-d6
Concen: 0.225 ng
RT: 7.041 min Scan# 5
Delta R.T. -0.014 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion: 99 Resp: 4359

Ion	Ratio	Lower	Upper
99	100		
42	20.8	15.9	23.9
71	34.6	28.6	42.8

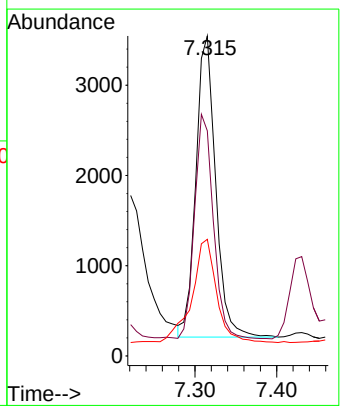


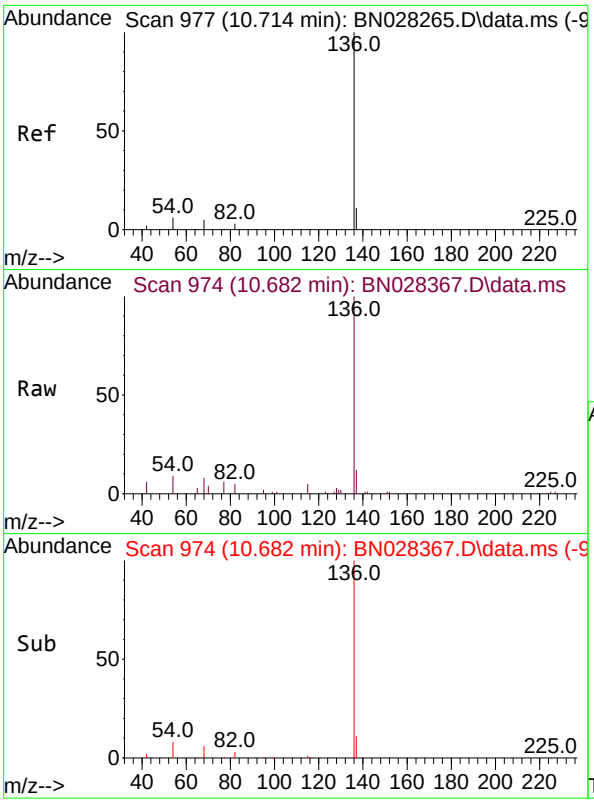


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 7.315 min Scan# 614
Delta R.T. -0.007 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion: 93 Resp: 5592

Ion	Ratio	Lower	Upper
93	100		
63	71.2	62.6	93.8
95	43.2	27.2	40.8#



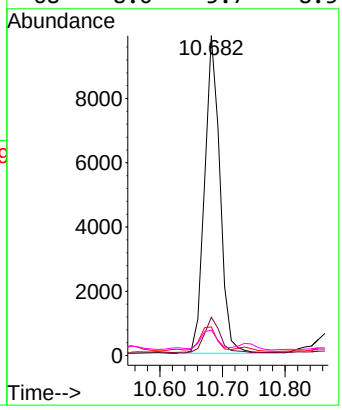


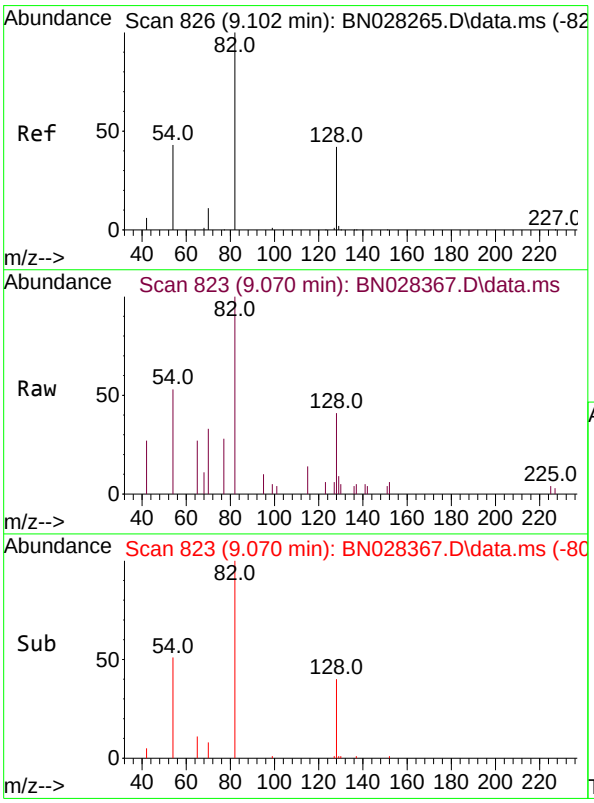
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:136 Resp: 16867

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	9.0	6.2	9.4
68	8.0	5.7	8.5

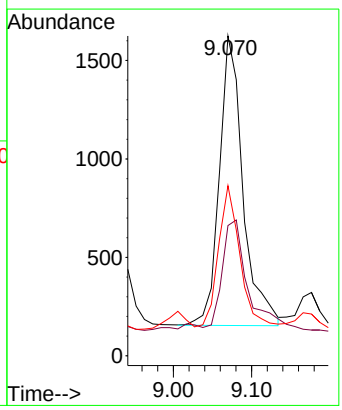


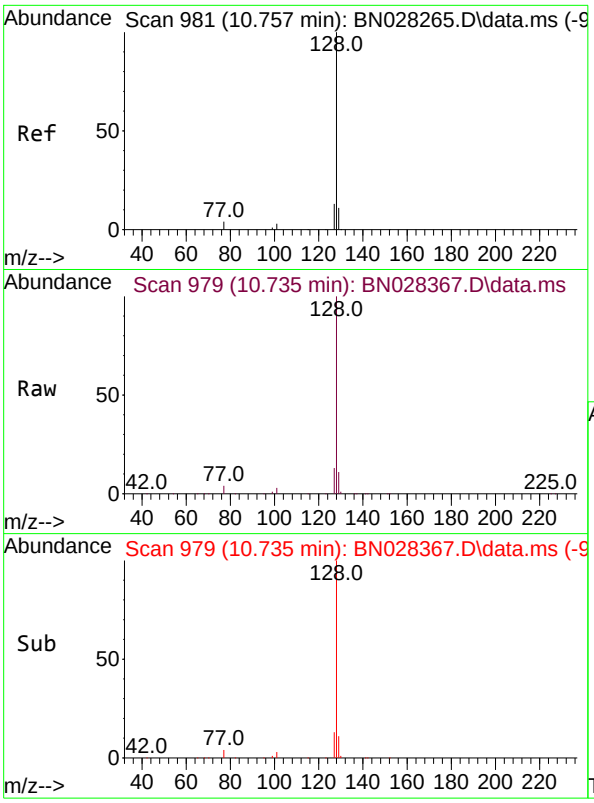


#8
Nitrobenzene-d5
Concen: 0.207 ng
RT: 9.070 min Scan# 823
Delta R.T. -0.032 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion: 82 Resp: 3097

Ion	Ratio	Lower	Upper
82	100		
128	40.7	36.8	55.2
54	53.2	37.4	56.2



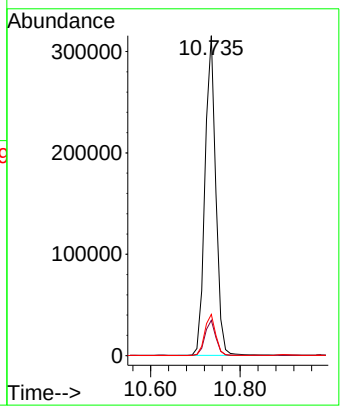


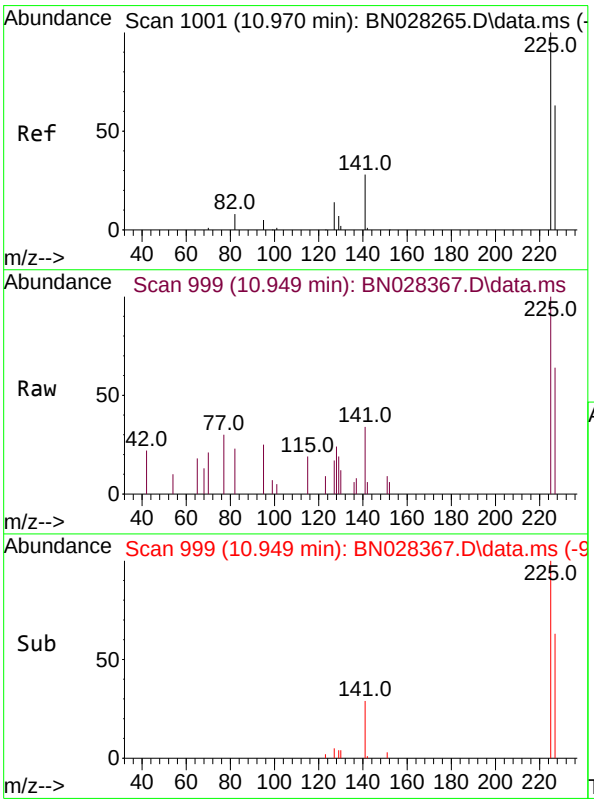
#9
Naphthalene
Concen: 12.135 ng
RT: 10.735 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:128 Resp: 530916

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.8	14.6
127	12.9	11.4	17.0

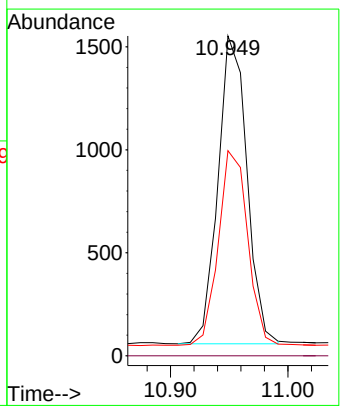


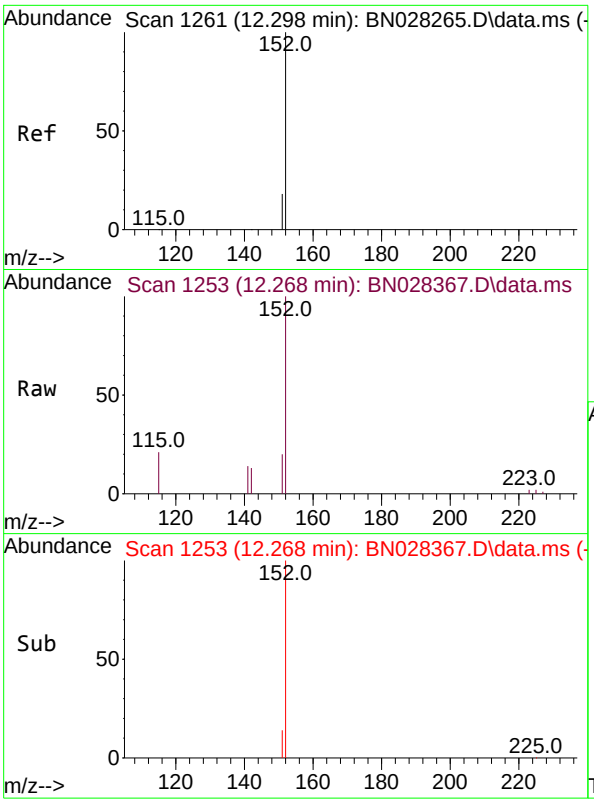


#10
Hexachlorobutadiene
Concen: 0.342 ng
RT: 10.949 min Scan# 999
Delta R.T. -0.011 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:225 Resp: 2564

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.6	77.4



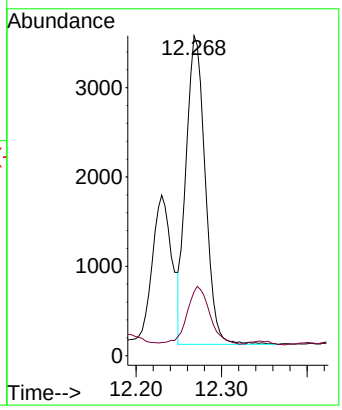


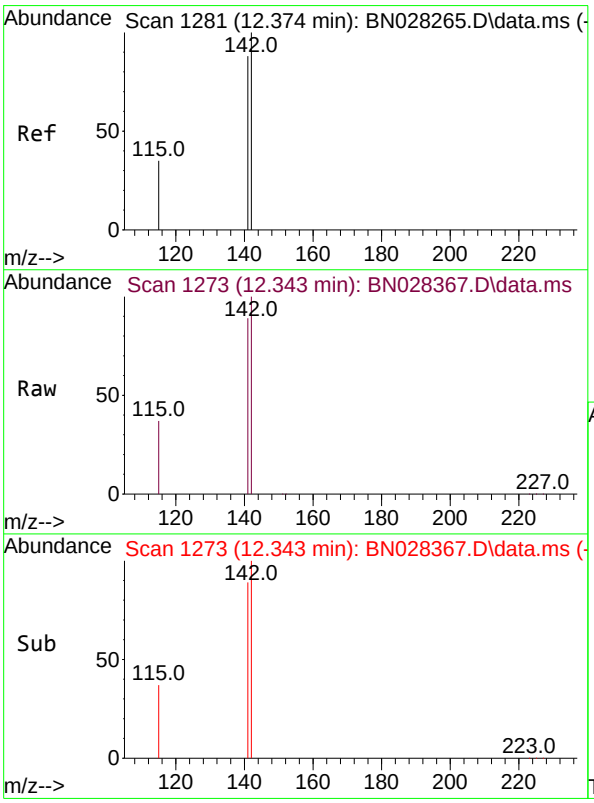
#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.268 min Scan# 1
Delta R.T. -0.026 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:152 Resp: 5388

Ion	Ratio	Lower	Upper
152	100		
151	22.2	16.1	24.1

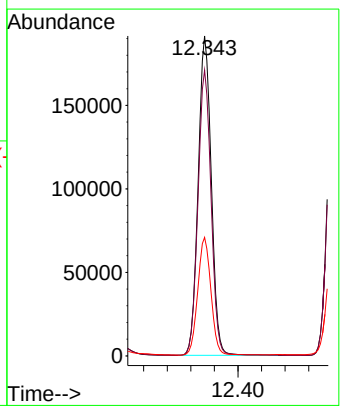


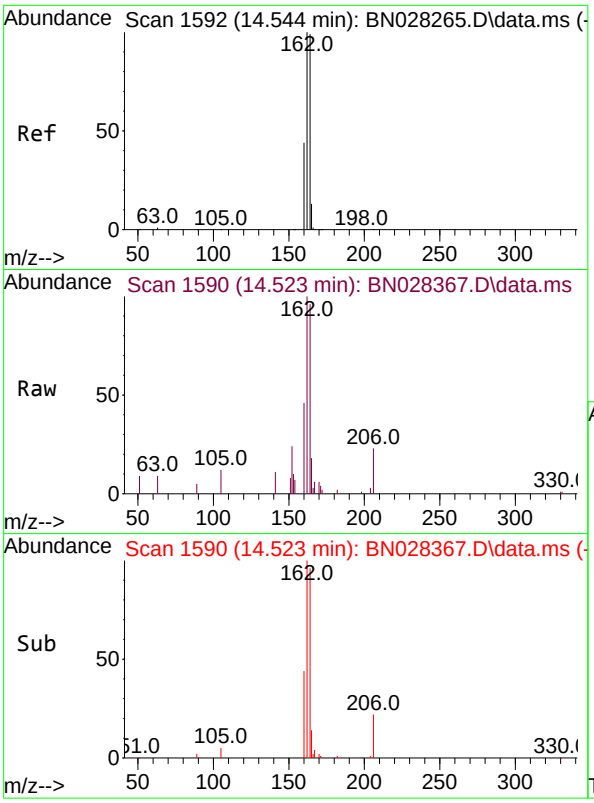


#12
2-Methylnaphthalene
Concen: 9.461 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:142 Resp: 294134

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.1	106.7
115	37.0	29.9	44.9



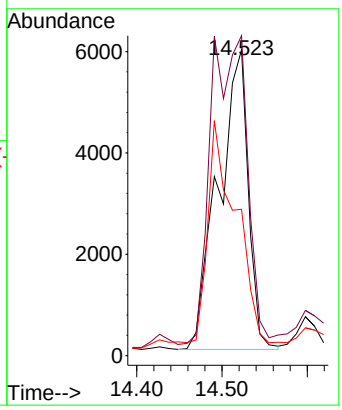


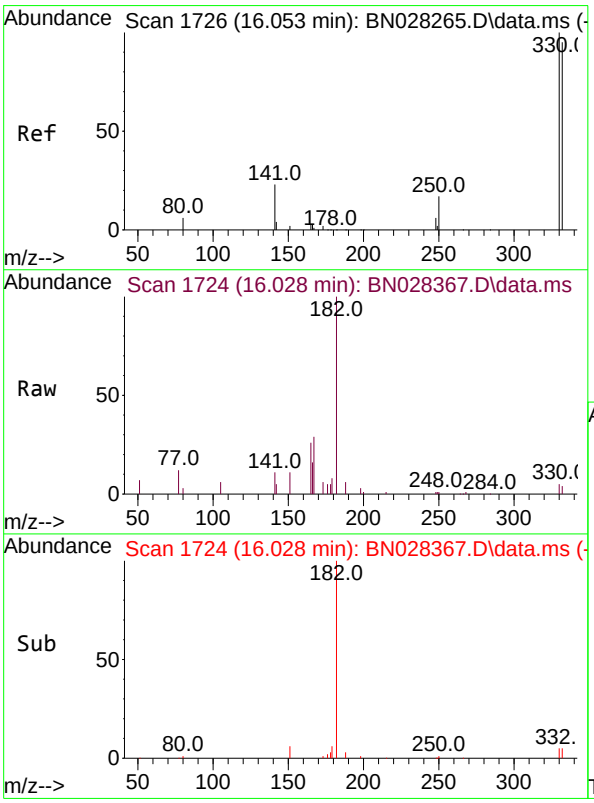
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:164 Resp: 14364

Ion	Ratio	Lower	Upper
164	100		
162	104.6	81.1	121.7
160	47.8	36.6	54.8

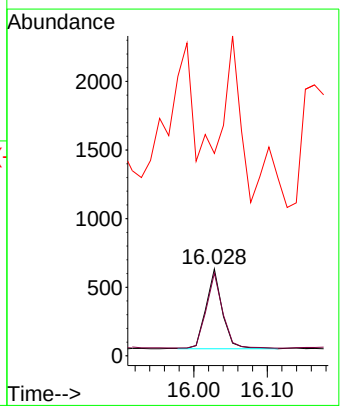


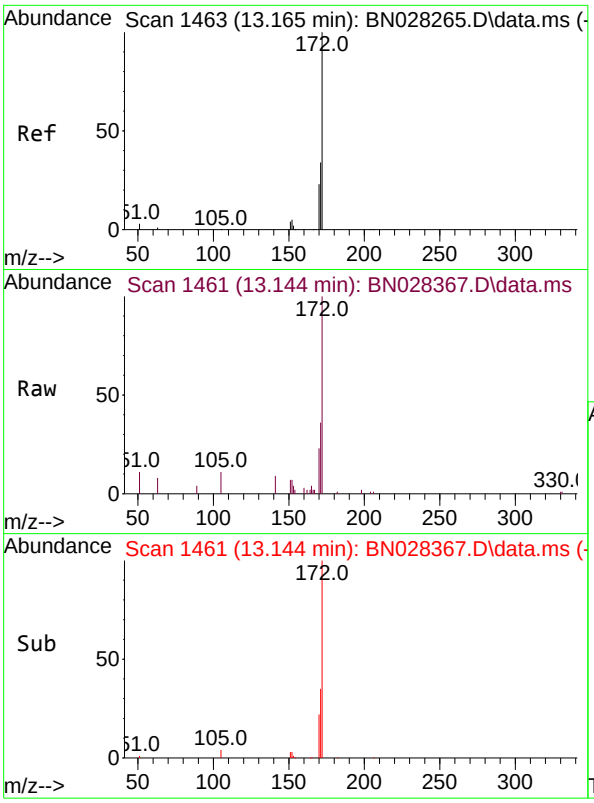


#14
2,4,6-Tribromophenol
Concen: 0.127 ng
RT: 16.028 min Scan# 1724
Delta R.T. -0.037 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:330 Resp: 891

Ion	Ratio	Lower	Upper
330	100		
332	93.5	74.1	111.1
141	0.0	32.1	48.1#



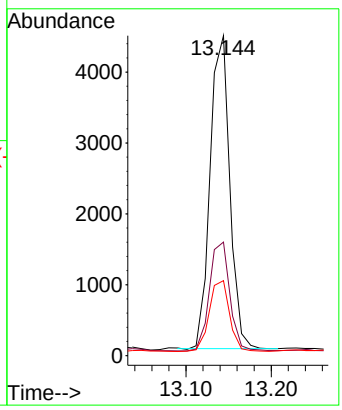


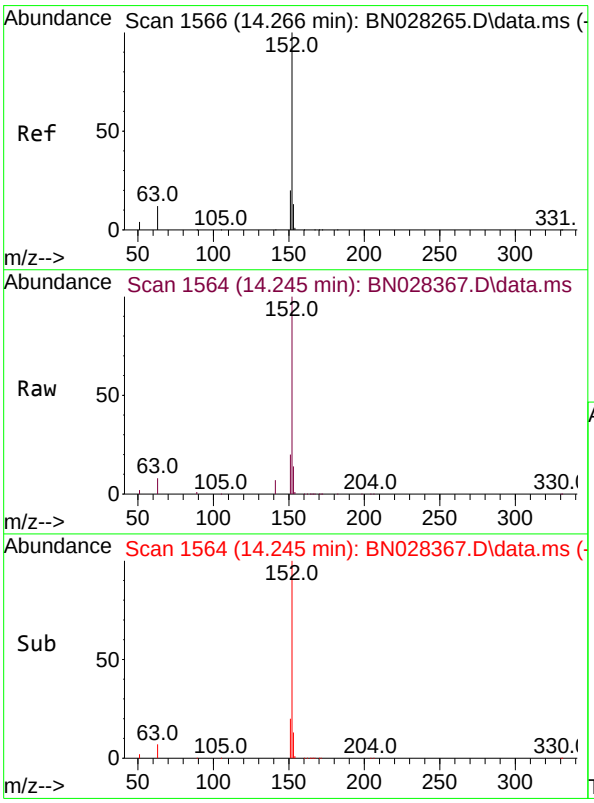
#15
2-Fluorobiphenyl
Concen: 0.140 ng
RT: 13.144 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:172 Resp: 7080

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.4	18.7	28.1

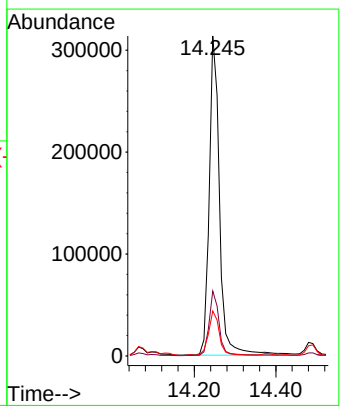


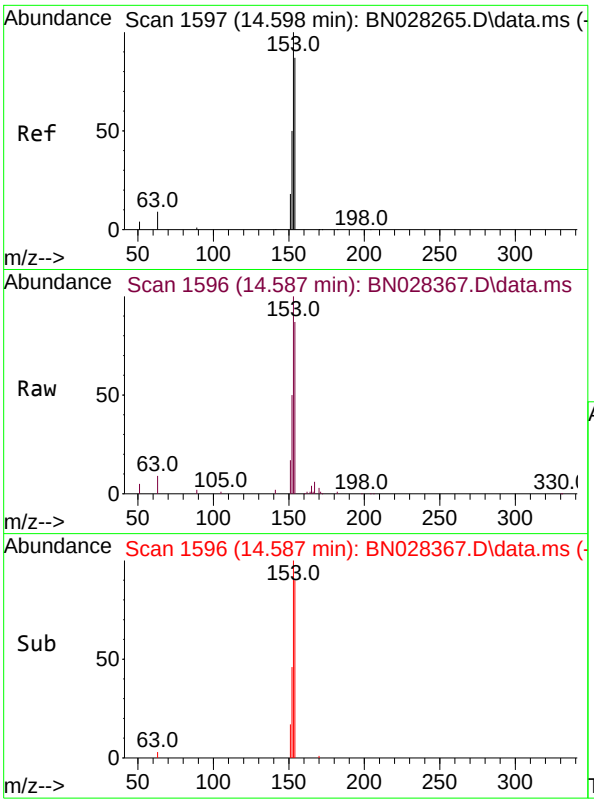


#16
Acenaphthylene
Concen: 8.469 ng
RT: 14.245 min Scan# 1564
Delta R.T. -0.011 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:152 Resp: 546617

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.6	23.4
153	14.5	10.6	16.0



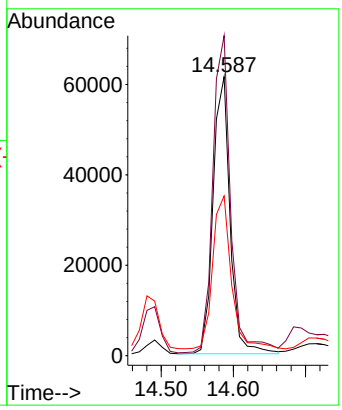


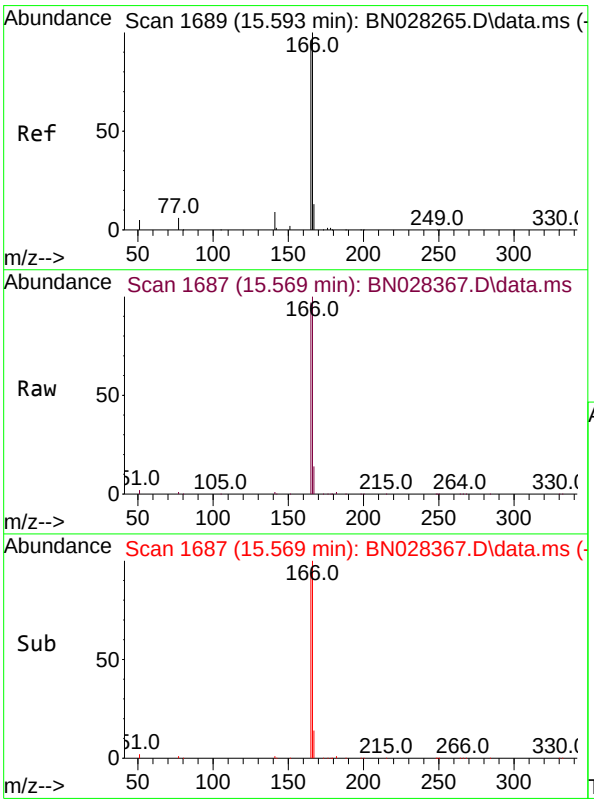
#17
Acenaphthene
Concen: 2.472 ng
RT: 14.587 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:154 Resp: 100519

Ion	Ratio	Lower	Upper
154	100		
153	120.3	90.7	136.1
152	60.1	43.6	65.4

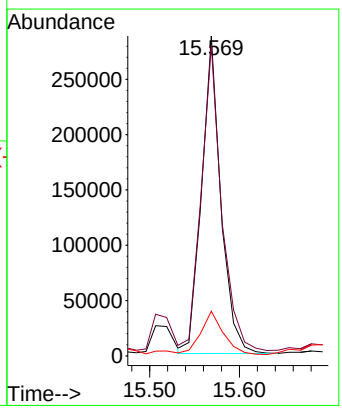


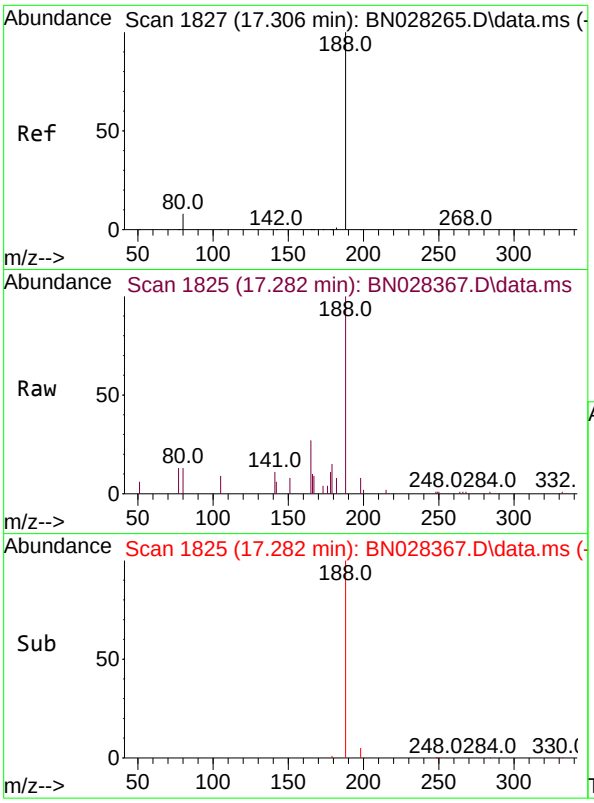


#18
Fluorene
Concen: 7.965 ng
RT: 15.569 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:166 Resp: 426423

Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.3	118.9
167	17.1	10.9	16.3#



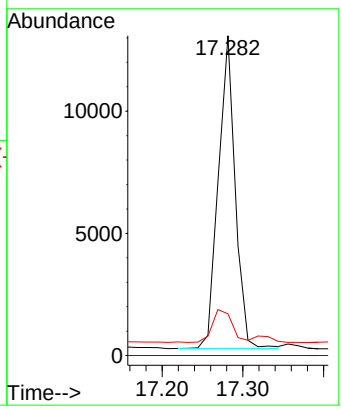


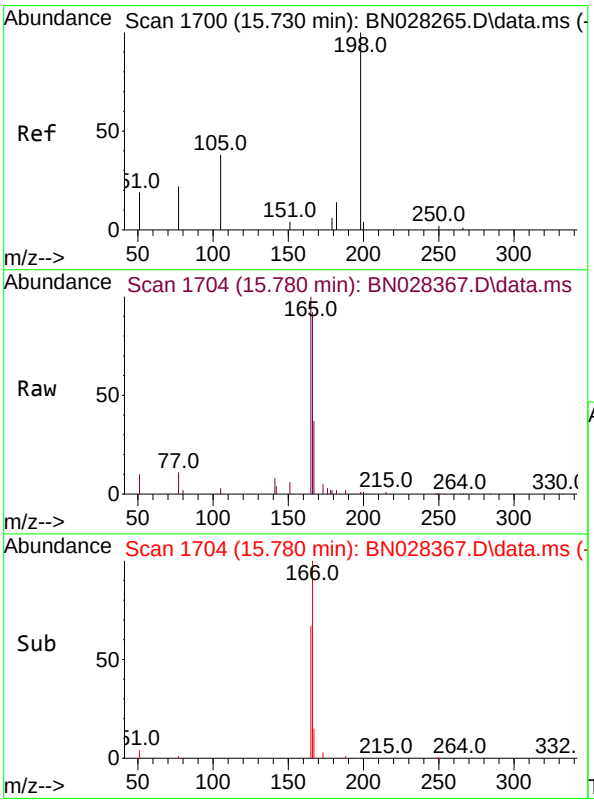
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.282 min Scan# 18
Delta R.T. -0.012 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:188 Resp: 18564

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	7.1	10.7#

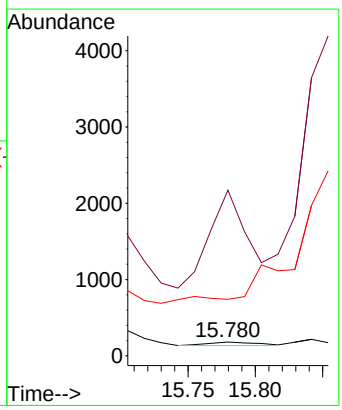


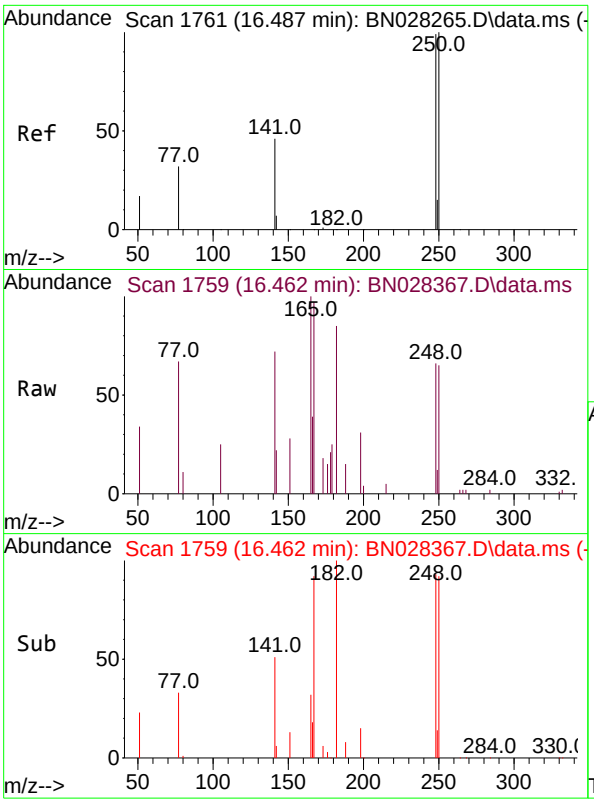


#20
4,6-Dinitro-2-methylphenol
Concen: 0.275 ng
RT: 15.780 min Scan# 1704
Delta R.T. -0.025 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:198 Resp: 118

Ion	Ratio	Lower	Upper
198	100		
51	1200.6	96.1	144.1#
105	409.9	75.4	113.0#



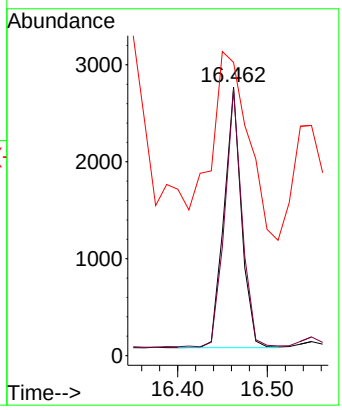


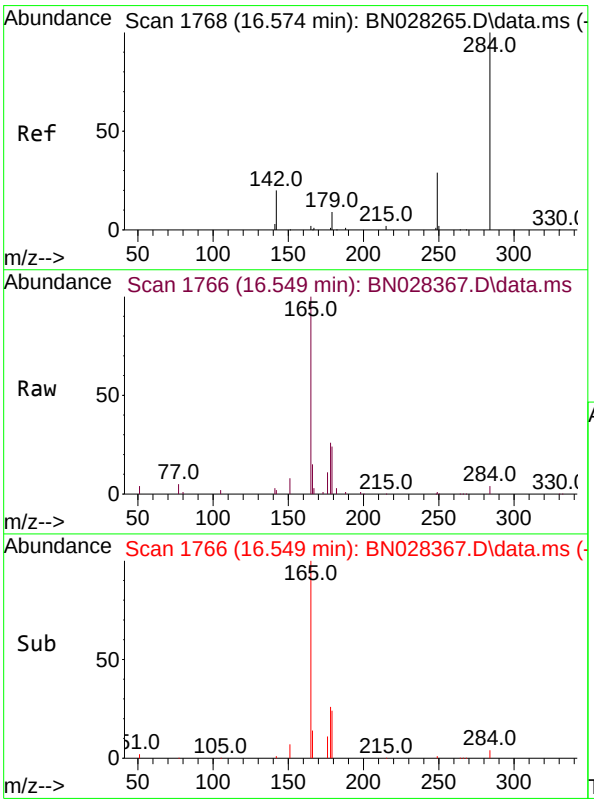
#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 16.462 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:248 Resp: 3615

Ion	Ratio	Lower	Upper
248	100		
250	99.4	80.5	120.7
141	109.2	38.9	58.3#

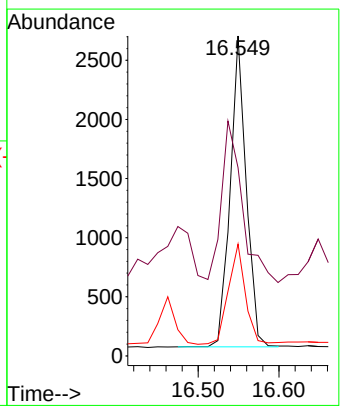


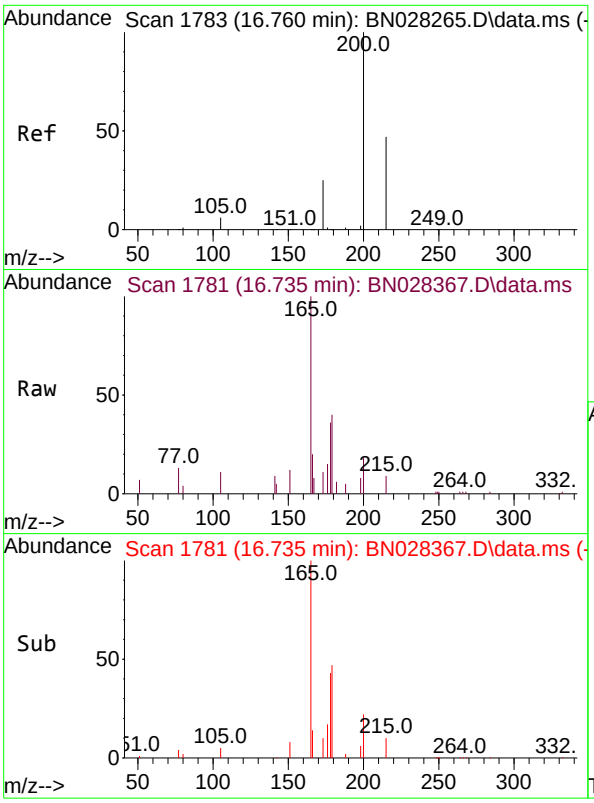


#22
Hexachlorobenzene
Concen: 0.369 ng
RT: 16.549 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:284 Resp: 3632

Ion	Ratio	Lower	Upper
284	100		
142	66.7	32.1	48.1#
249	34.0	25.5	38.3



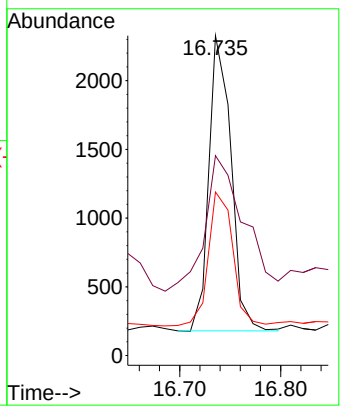


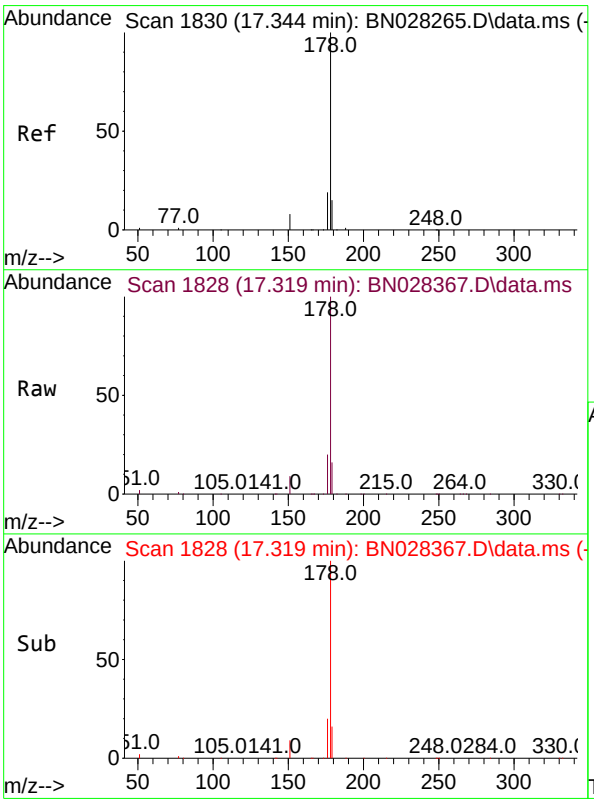
#23
Atrazine
Concen: 0.365 ng
RT: 16.735 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:200 Resp: 3272

Ion	Ratio	Lower	Upper
200	100		
173	62.5	21.6	32.4#
215	51.1	39.0	58.6

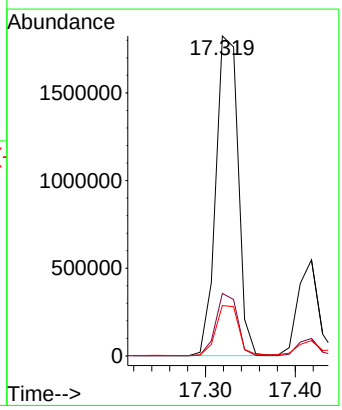


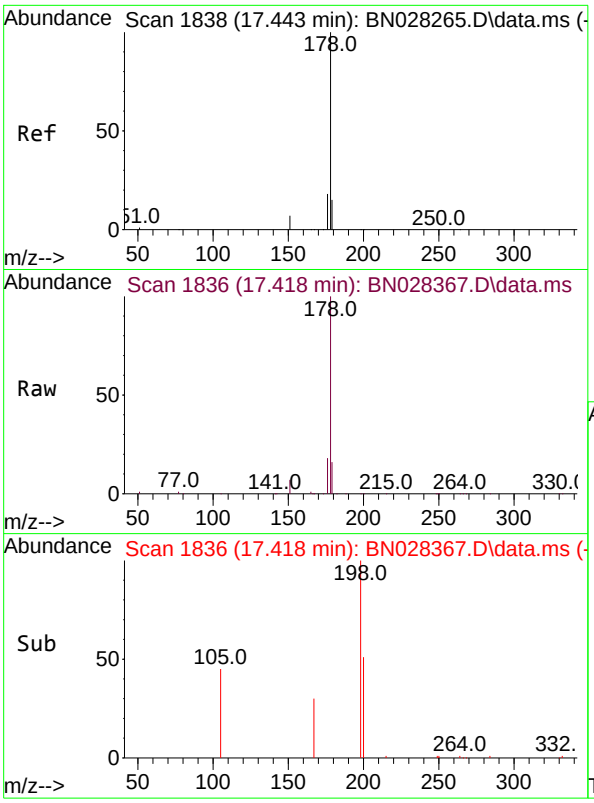


#25
Phenanthrene
Concen: 62.196 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:178 Resp: 3160484

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.8	12.5	18.7



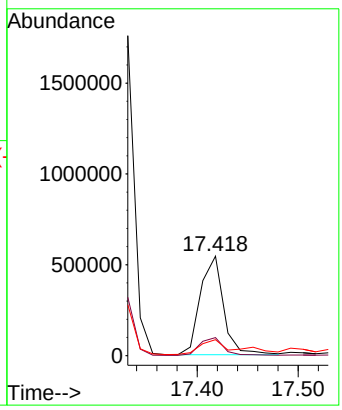


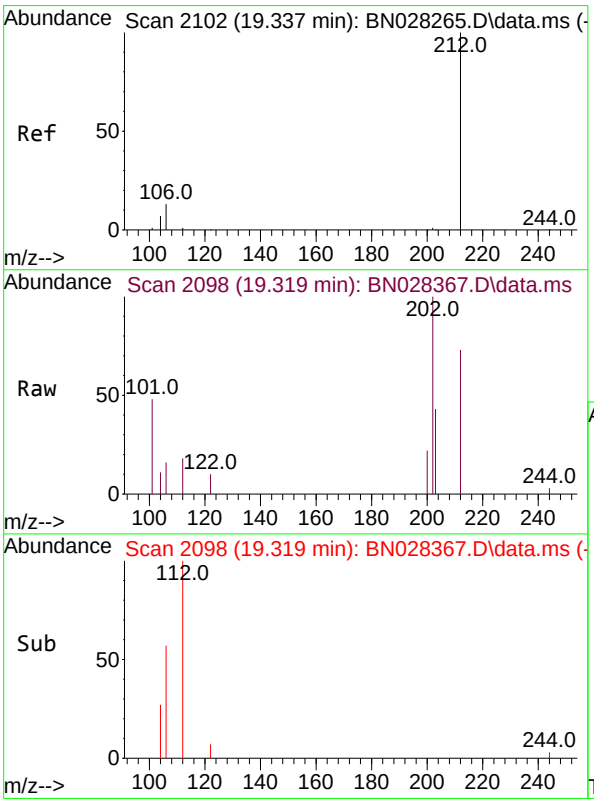
#26
Anthracene
Concen: 17.895 ng
RT: 17.418 min Scan# 18
Delta R.T. -0.012 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:178 Resp: 868507

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	24.1	12.2	18.4#

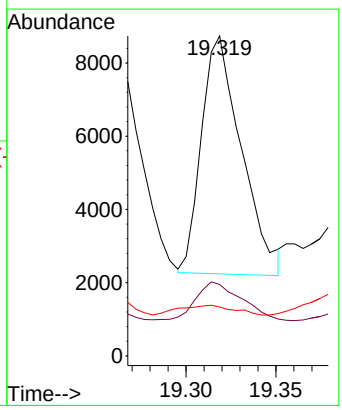


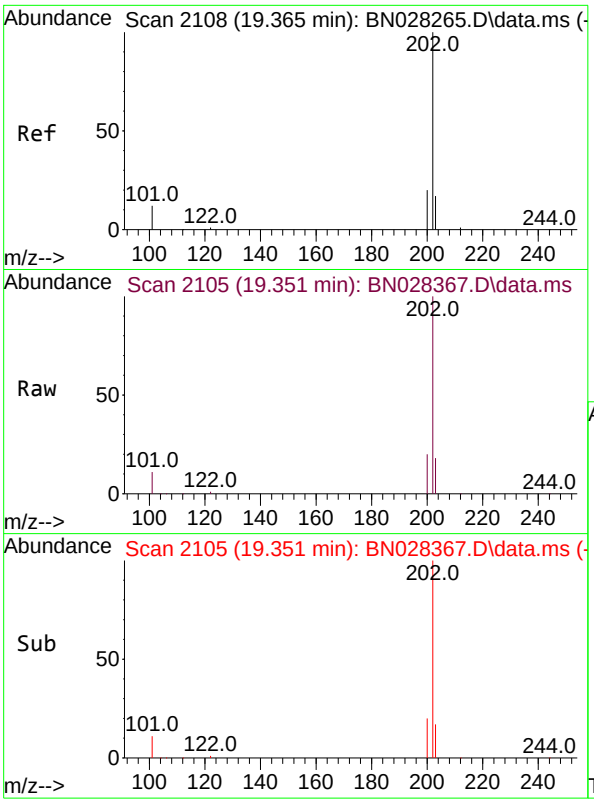


#27
Fluoranthene-d10
Concen: 0.202 ng
RT: 19.319 min Scan# 2098
Delta R.T. -0.009 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:212 Resp: 10031

Ion	Ratio	Lower	Upper
212	100		
106	18.6	11.5	17.3#
104	6.3	6.7	10.1#



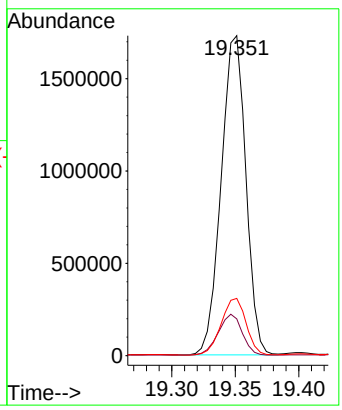


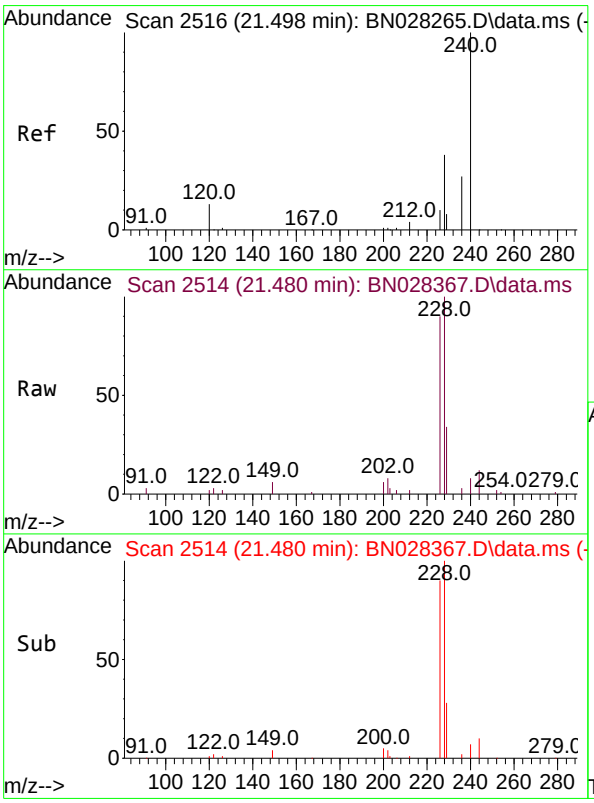
#28
Fluoranthene
Concen: 36.763 ng
RT: 19.351 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:202 Resp: 2346902

Ion	Ratio	Lower	Upper
202	100		
101	12.3	10.1	15.1
203	17.9	13.9	20.9

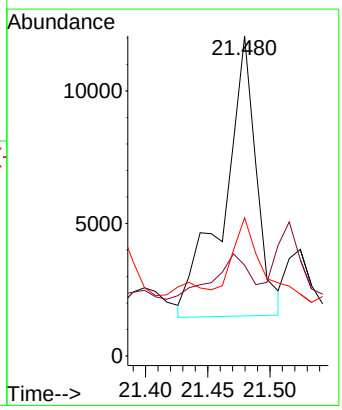


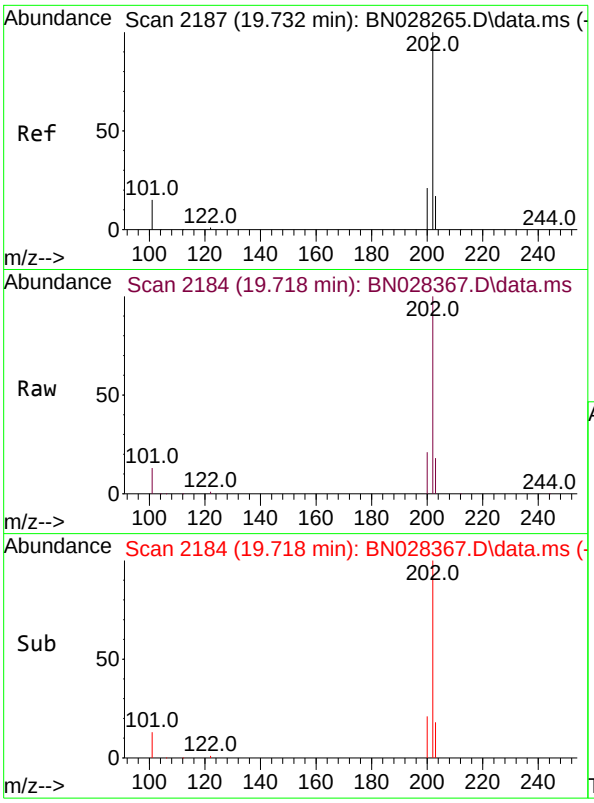


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.480 min Scan# 2514
Delta R.T. -0.009 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:240 Resp: 19282

Ion	Ratio	Lower	Upper
240	100		
120	28.3	13.4	20.0#
236	43.2	22.7	34.1#



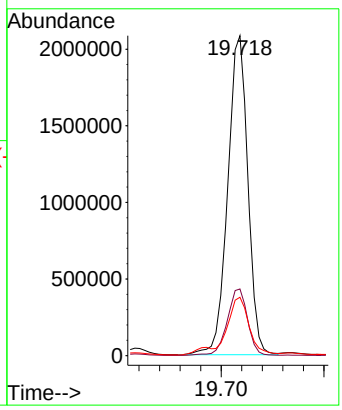


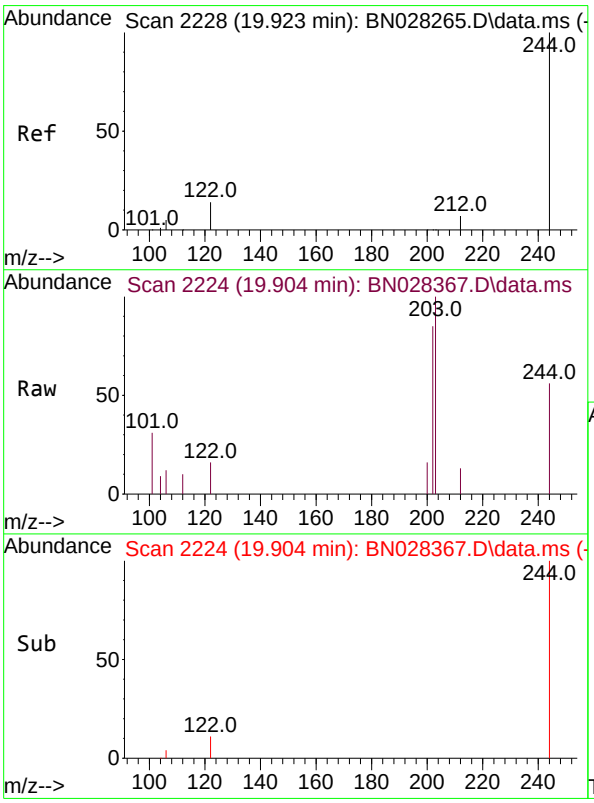
#30
Pyrene
Concen: 42.936 ng
RT: 19.718 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:202 Resp: 2832893

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	21.0	14.5	21.7

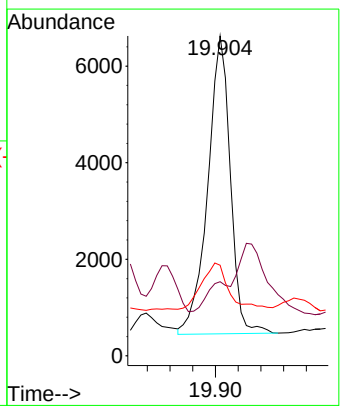


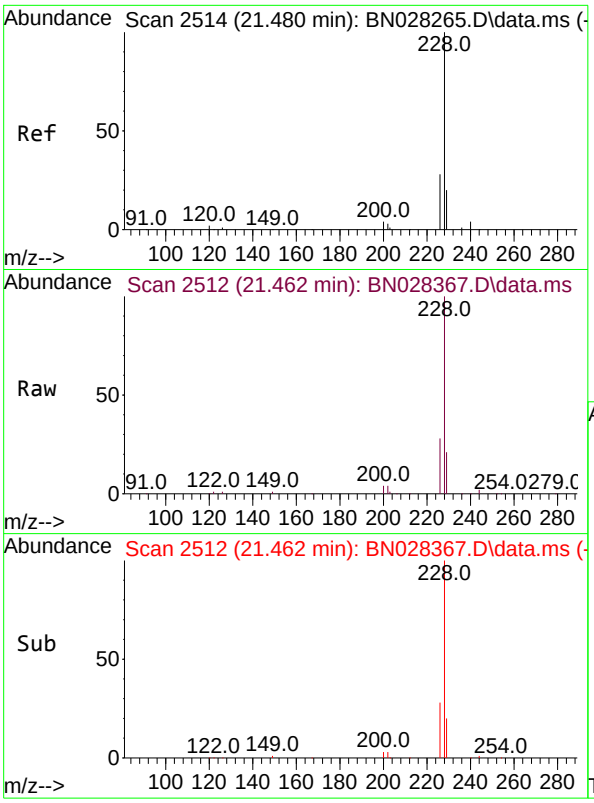


#31
Terphenyl-d14
Concen: 0.208 ng
RT: 19.904 min Scan# 2224
Delta R.T. -0.014 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:244 Resp: 8520

Ion	Ratio	Lower	Upper
244	100		
212	23.2	6.6	10.0#
122	28.3	11.7	17.5#





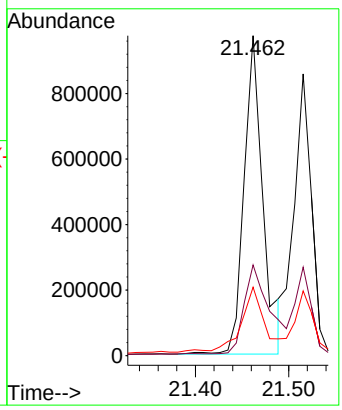
#32
Benzo(a)anthracene
Concen: 19.838 ng
RT: 21.462 min Scan# 2

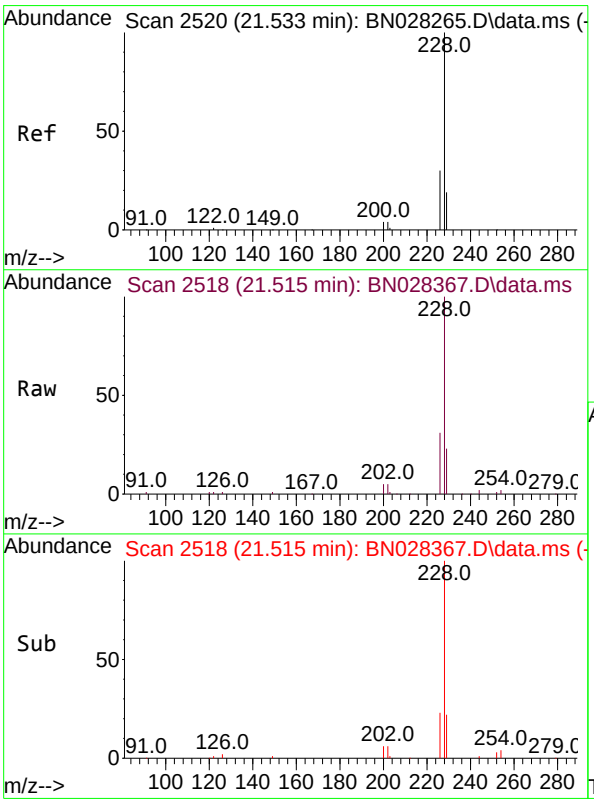
Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Delta R.T. -0.009 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:228 Resp: 1358881

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.9	34.3
229	21.4	16.6	24.8

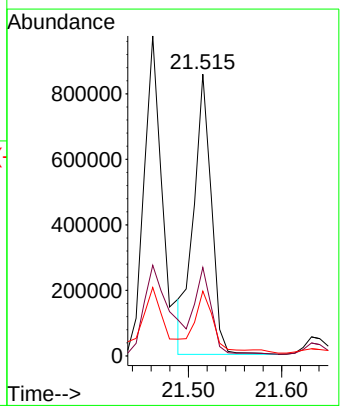


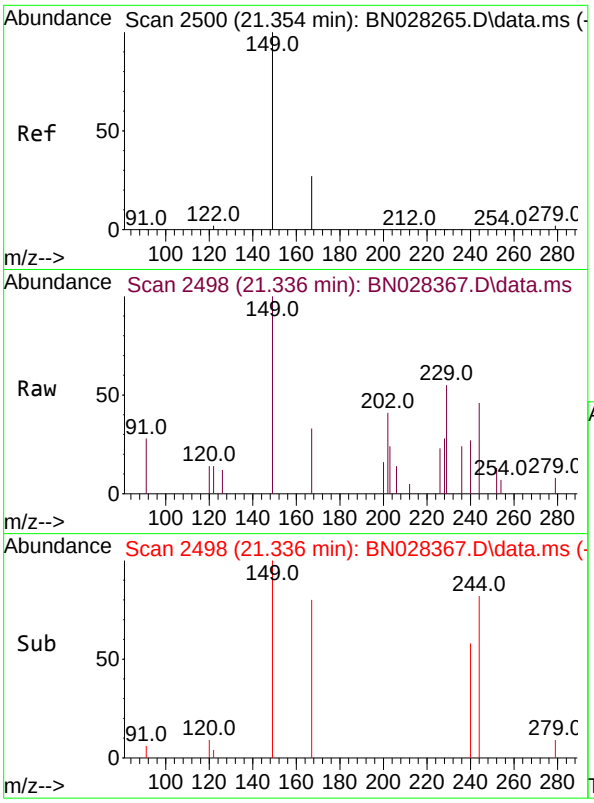


#33
Chrysene
Concen: 17.189 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.009 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:228 Resp: 1126924

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.2	37.8
229	23.0	16.6	25.0



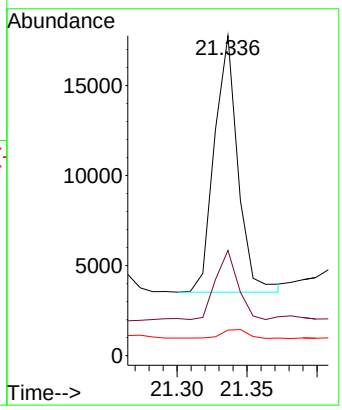


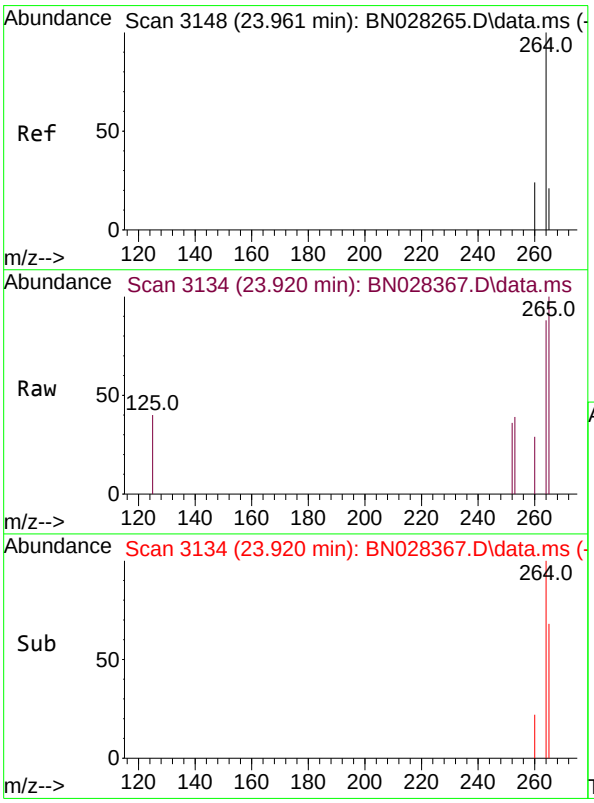
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.320 ng
RT: 21.336 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:149 Resp: 16723

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.6	34.0
279	4.2	4.2	6.2

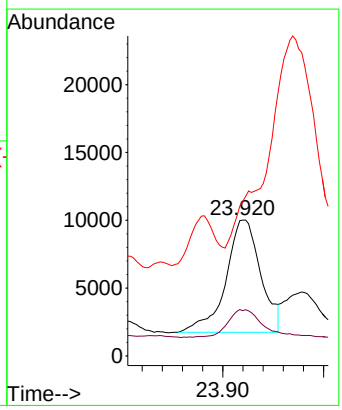


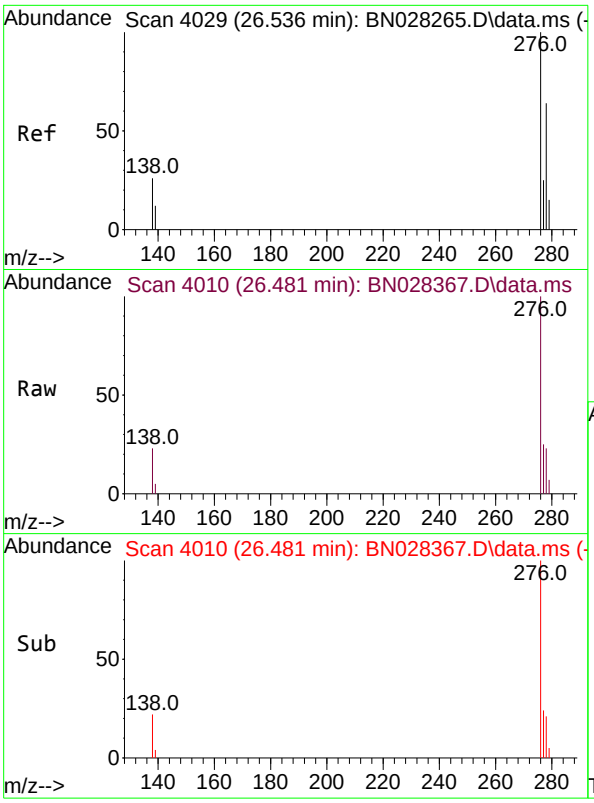


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.920 min Scan# 3134
Delta R.T. -0.017 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:264 Resp: 19961

Ion	Ratio	Lower	Upper
264	100		
260	33.3	20.7	31.1#
265	113.7	38.3	57.5#



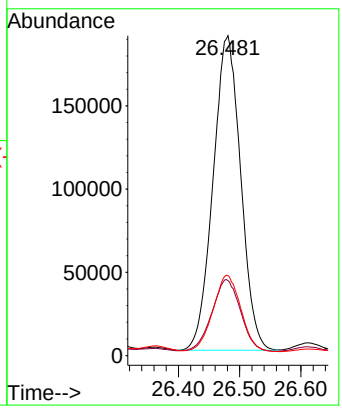


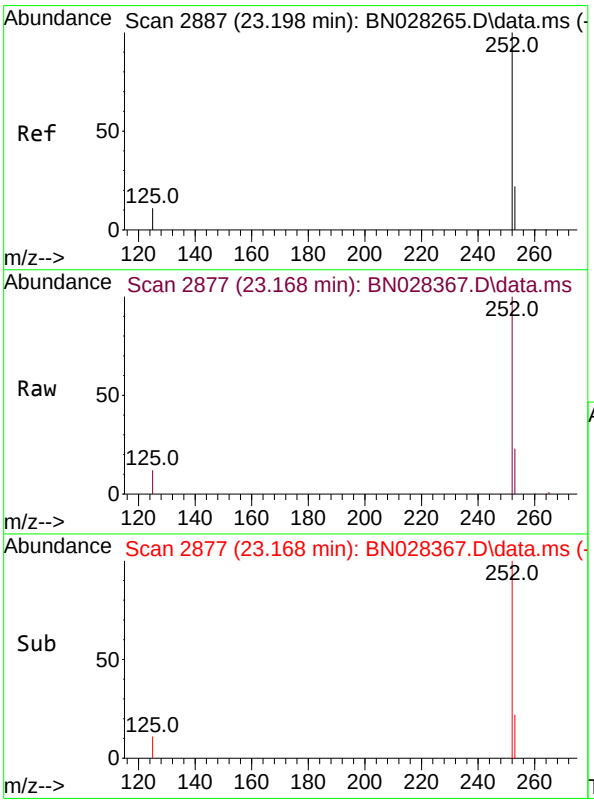
#36
Indeno(1,2,3-cd)pyrene
Concen: 7.343 ng
RT: 26.481 min Scan# 40
Delta R.T. -0.023 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:276 Resp: 590915

Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.3	31.9
277	24.7	20.0	30.0

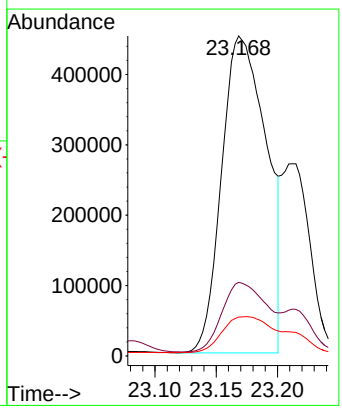


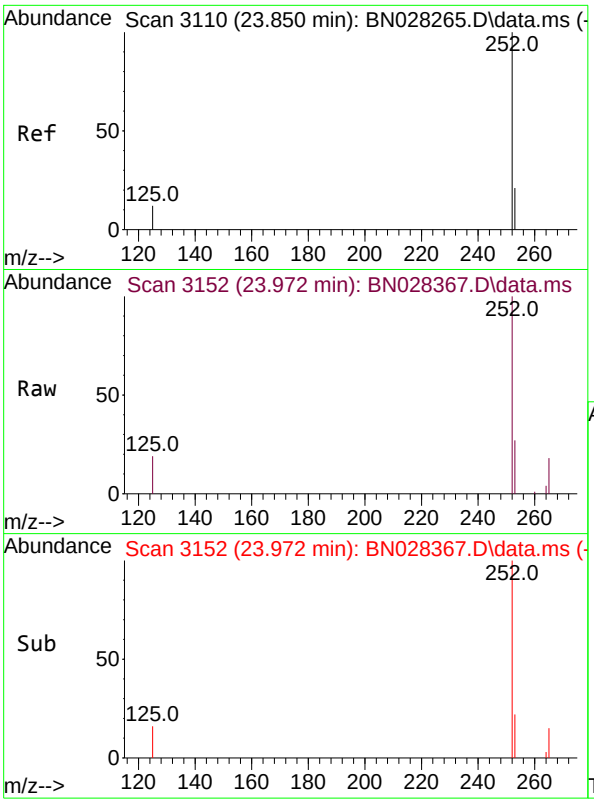


#37
Benzo(b)fluoranthene
Concen: 18.341 ng
RT: 23.168 min Scan# 2877
Delta R.T. -0.009 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:252 Resp: 1144328

Ion	Ratio	Lower	Upper
252	100		
253	23.0	21.8	32.8
125	12.1	15.6	23.4#



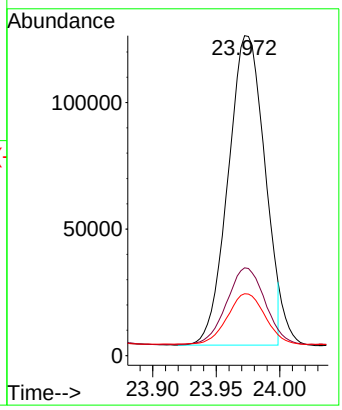


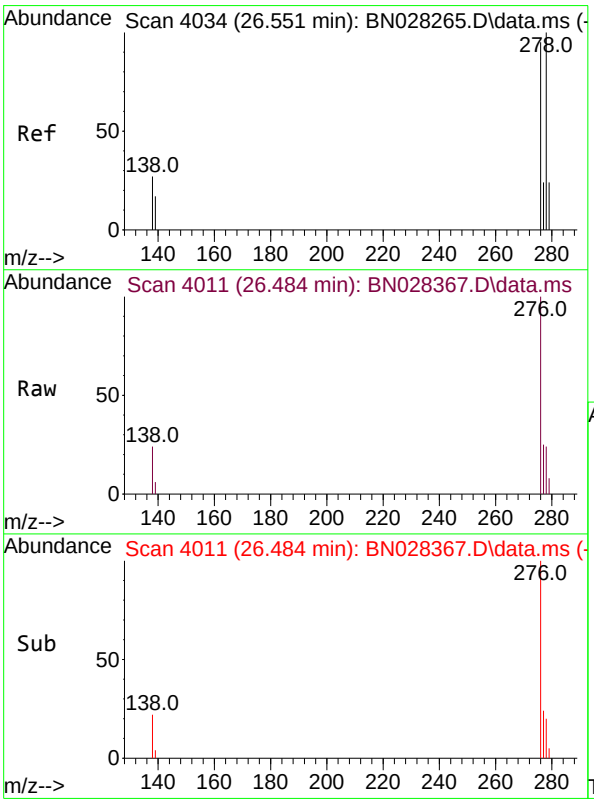
#39
Benzo(a)pyrene
Concen: 3.923 ng
RT: 23.972 min Scan# 31
Delta R.T. 0.143 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:252 Resp: 243482

Ion	Ratio	Lower	Upper
252	100		
253	27.4	22.7	34.1
125	19.3	17.0	25.6

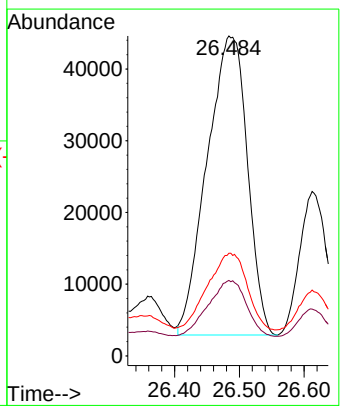


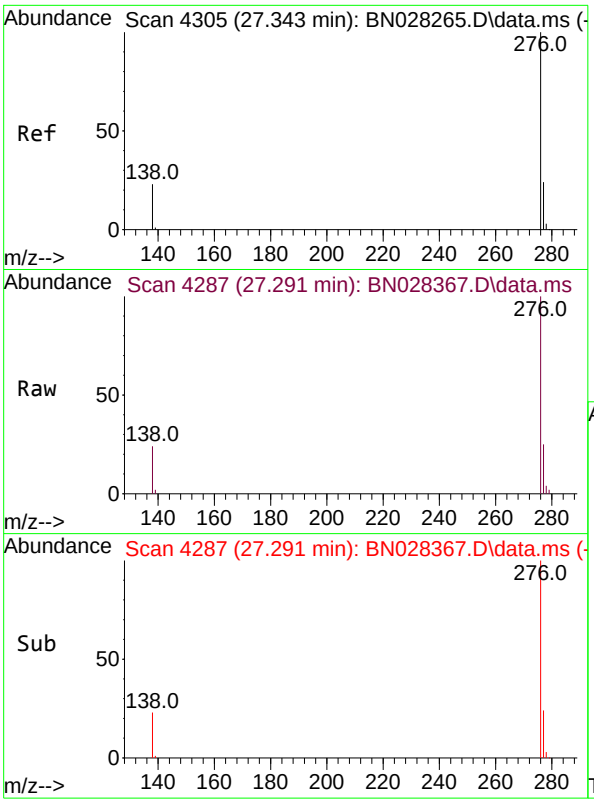


#40
Dibenzo(a,h)anthracene
Concen: 2.769 ng
RT: 26.484 min Scan# 4011
Delta R.T. -0.035 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Tgt Ion:278 Resp: 180876

Ion	Ratio	Lower	Upper
278	100		
139	23.6	18.8	28.2
279	32.1	23.5	35.3





#41
Benzo(g,h,i)perylene
Concen: 9.148 ng
RT: 27.291 min Scan# 4
Delta R.T. -0.014 min
Lab File: BN028367.D
Acq: 24 Oct 2023 04:36

Instrument :
BNA_N
ClientSampleId :
G-1-(5-10)MS

Tgt Ion:276 Resp: 617081

Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.7	32.5
138	24.2	21.7	32.5