Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028917.D
Acq On : 30 Nov 2023 19:12
Operator : MA/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Quant Time: Dec 01 00:02:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:00:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	4388	0.400	ng	-0.01
7) Naphthalene-d8	10.605	136	11645	0.400	ng	-0.01
13) Acenaphthene-d10	14.439	164	6603	0.400	ng	-0.01
19) Phenanthrene-d10	17.184	188	13605	0.400	ng	-0.01
29) Chrysene-d12	21.383	240	6989	0.400	ng	# 0.00
35) Perylene-d12	23.722	264	7653	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.464	112	5501	0.414	ng	-0.03
5) Phenol-d6	7.067	99	5882	0.399	ng	-0.04
8) Nitrobenzene-d5	8.993	82	4664	0.403	ng	-0.02
11) 2-Methylnaphthalene-d10	12.189	152	7238	0.387	ng	-0.02
14) 2,4,6-Tribromophenol	15.942	330	1575	0.353	ng	-0.01
15) 2-Fluorobiphenyl	13.070	172	11408	0.400	ng	-0.01
27) Fluoranthene-d10	19.218	212	14337	0.401	ng	-0.01
31) Terphenyl-d14	19.826	244	10666	0.486	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.391	88	1808	0.421	ng	94
3) n-Nitrosodimethylamine	3.759	42	2168	0.413	ng	# 92
6) bis(2-Chloroethyl)ether	7.284	93	4816	0.388	ng	98
9) Naphthalene	10.648	128	14845	0.401	ng	99
10) Hexachlorobutadiene	10.914	225	3030	0.401	ng	# 99
12) 2-Methylnaphthalene	12.265	142	8857	0.381	ng	100
16) Acenaphthylene	14.161	152	13017	0.372	ng	99
17) Acenaphthene	14.503	154	8835	0.381	ng	99
18) Fluorene	15.487	166	12272	0.418	ng	99
20) 4,6-Dinitro-2-methylph...	15.582	198	959	0.321	ng	95
21) 4-Bromophenyl-phenylether	16.389	248	3572	0.382	ng	98
22) Hexachlorobenzene	16.476	284	4275	0.372	ng	97
23) Atrazine	16.712	200	3065	0.374	ng	# 93
24) Pentachlorophenol	16.848	266	1694	0.317	ng	98
25) Phenanthrene	17.221	178	17205	0.383	ng	97
26) Anthracene	17.320	178	15525	0.374	ng	99
28) Fluoranthene	19.250	202	18491	0.396	ng	98
30) Pyrene	19.613	202	18673	0.443	ng	99
32) Benzo(a)anthracene	21.365	228	11481	0.386	ng	96
33) Chrysene	21.418	228	11367	0.390	ng	97
34) Bis(2-ethylhexyl)phtha...	21.320	149	13336	0.231	ng	# 89
36) Indeno(1,2,3-cd)pyrene	26.125	276	13399	0.402	ng	# 69
37) Benzo(b)fluoranthene	23.009	252	11914	0.381	ng	# 73
38) Benzo(k)fluoranthene	23.055	252	11105	0.376	ng	# 74
39) Benzo(a)pyrene	23.614	252	10842	0.388	ng	# 72
40) Dibenzo(a,h)anthracene	26.155	278	10195	0.395	ng	# 66
41) Benzo(g,h,i)perylene	26.862	276	11716	0.404	ng	# 85

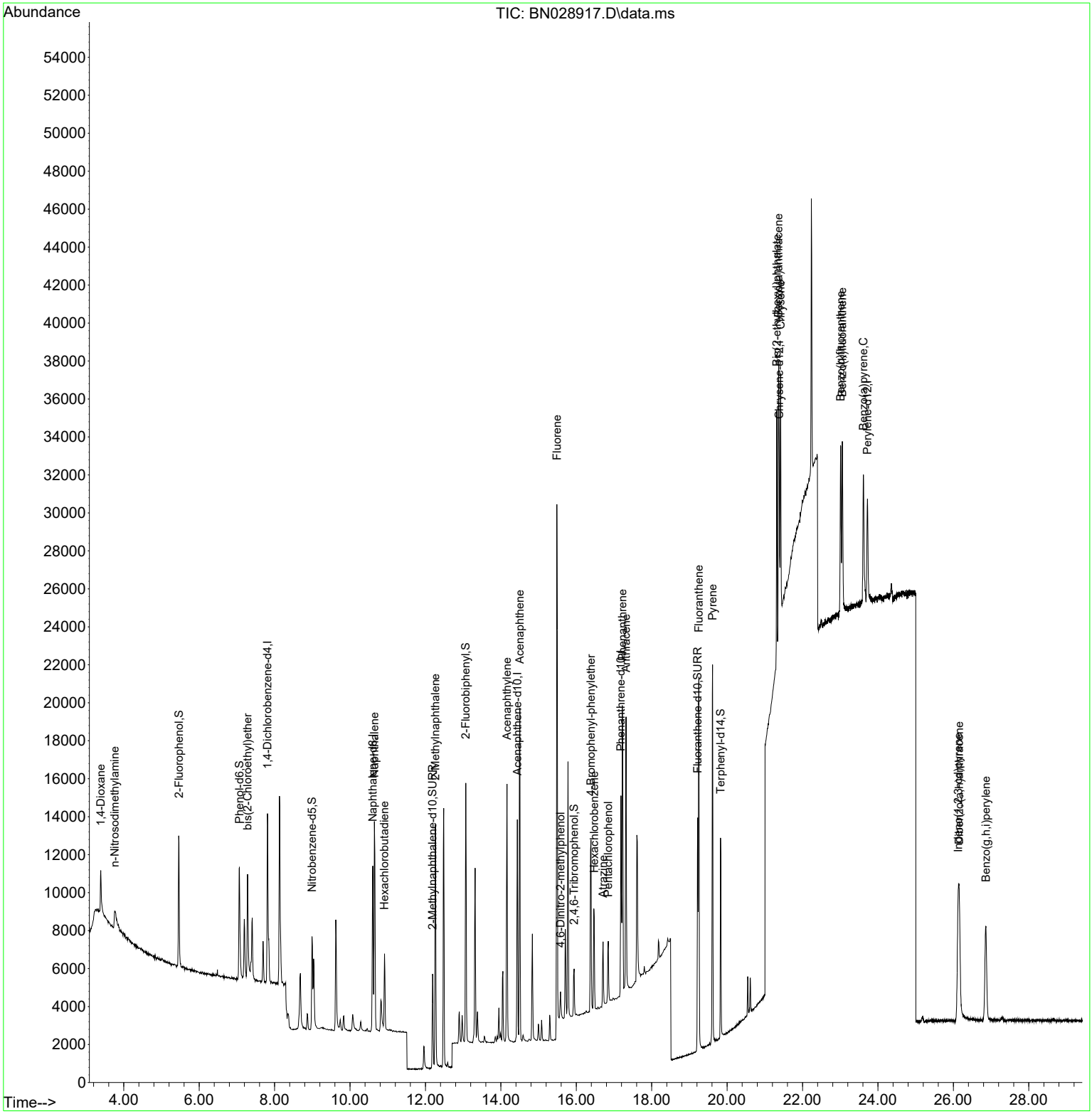
(#) = qualifier out of range (m) = manual integration (+) = signals summed

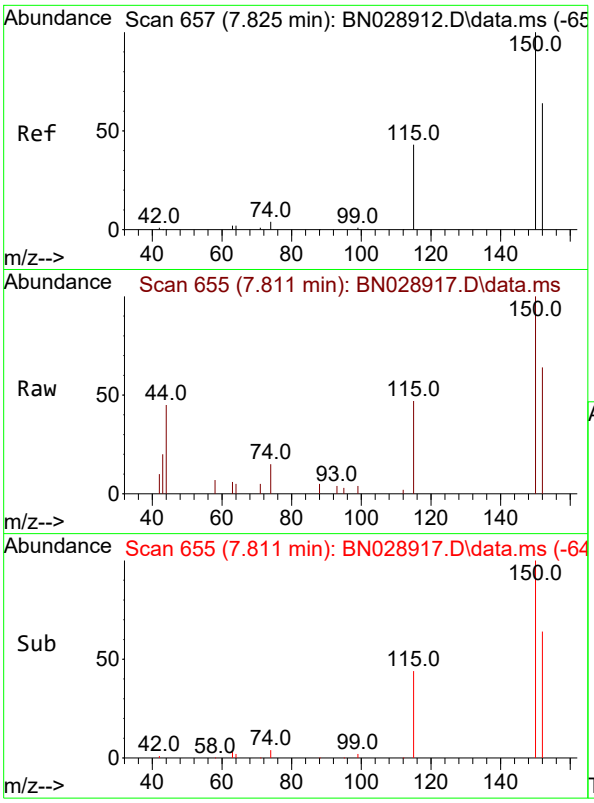
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028917.D
Acq On : 30 Nov 2023 19:12
Operator : MA/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Quant Time: Dec 01 00:02:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:00:42 2023
Response via : Initial Calibration



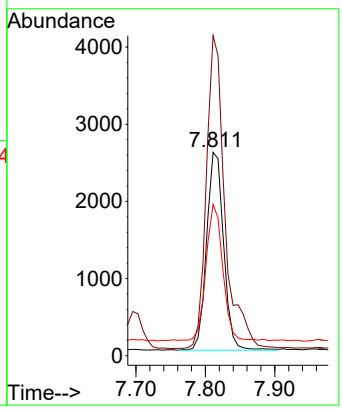


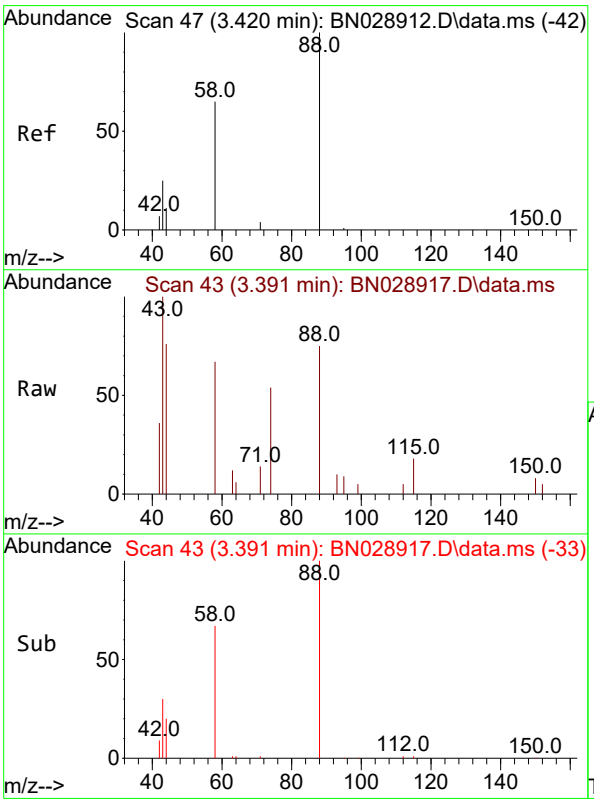
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.811 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:152 Resp: 4388

Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.4	185.2
115	74.3	59.1	88.7

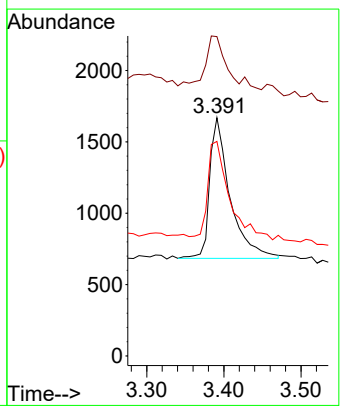


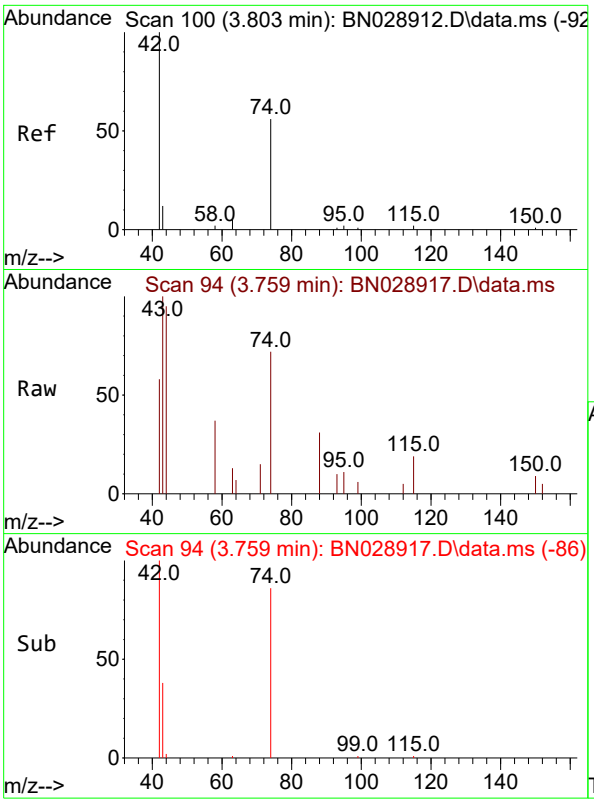


#2
1,4-Dioxane
Concen: 0.421 ng
RT: 3.391 min Scan# 43
Delta R.T. -0.029 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion: 88 Resp: 1808

Ion	Ratio	Lower	Upper
88	100		
43	40.3	29.9	44.9
58	74.6	55.0	82.4



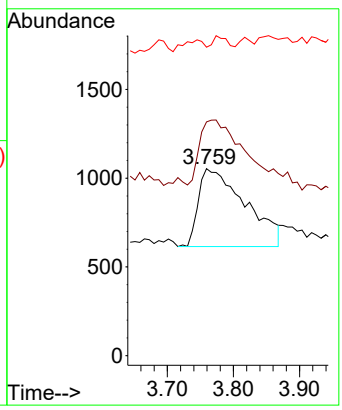


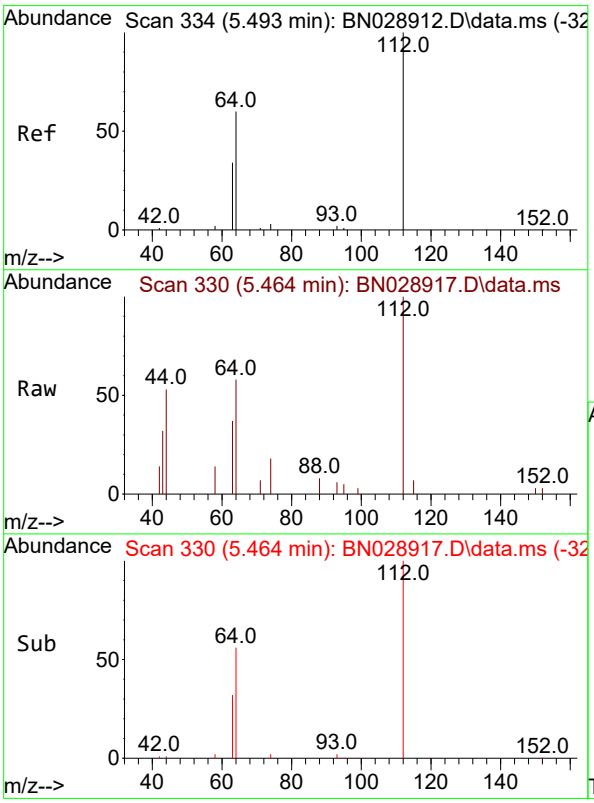
#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.759 min Scan# 94
Delta R.T. -0.044 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion: 42 Resp: 2168

Ion	Ratio	Lower	Upper
42	100		
74	77.8	57.0	85.6
44	4.0	0.0	0.0#

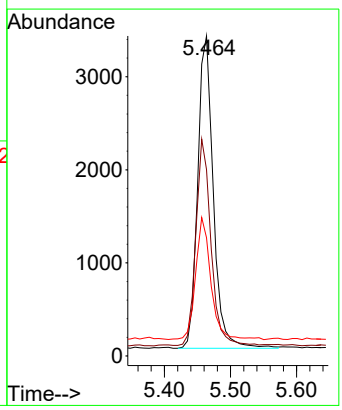


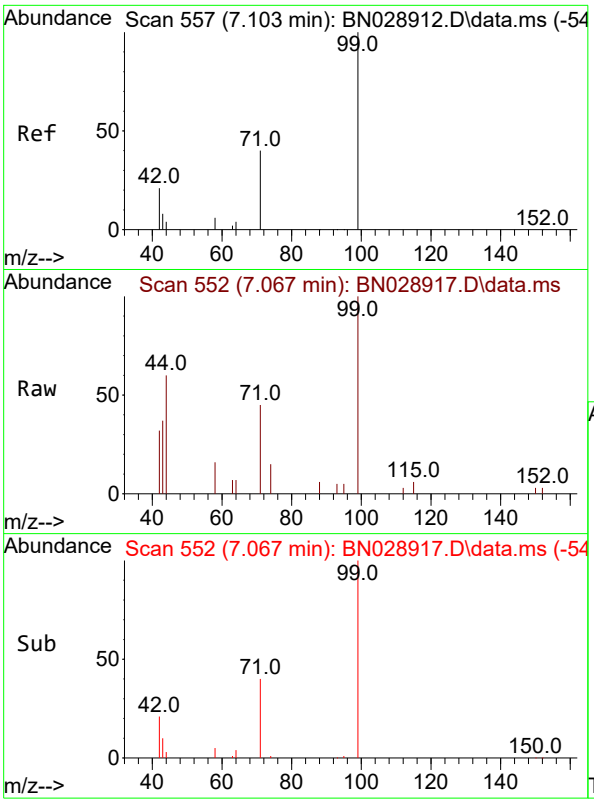


#4
2-Fluorophenol
Concen: 0.414 ng
RT: 5.464 min Scan# 330
Delta R.T. -0.029 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:112 Resp: 5501

Ion	Ratio	Lower	Upper
112	100		
64	63.7	51.5	77.3
63	37.8	30.4	45.6



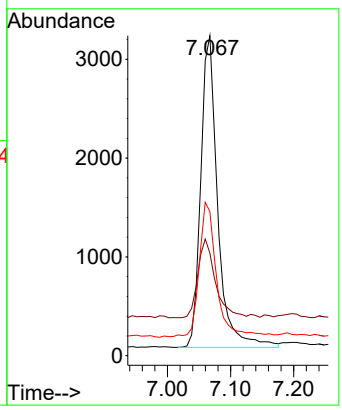


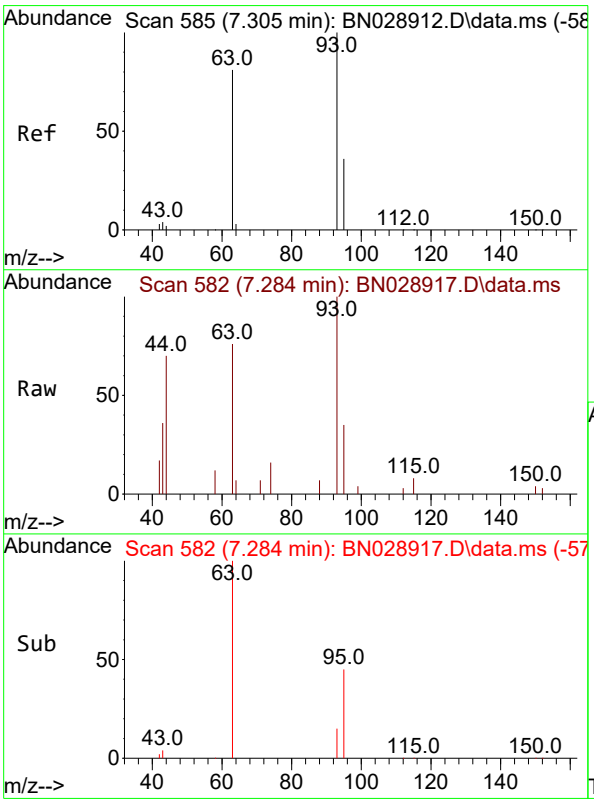
#5
Phenol-d6
Concen: 0.399 ng
RT: 7.067 min Scan# 5
Delta R.T. -0.036 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion: 99 Resp: 5882

Ion	Ratio	Lower	Upper
99	100		
42	26.0	21.2	31.8
71	43.7	35.4	53.0

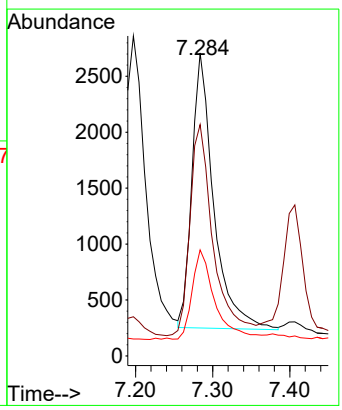


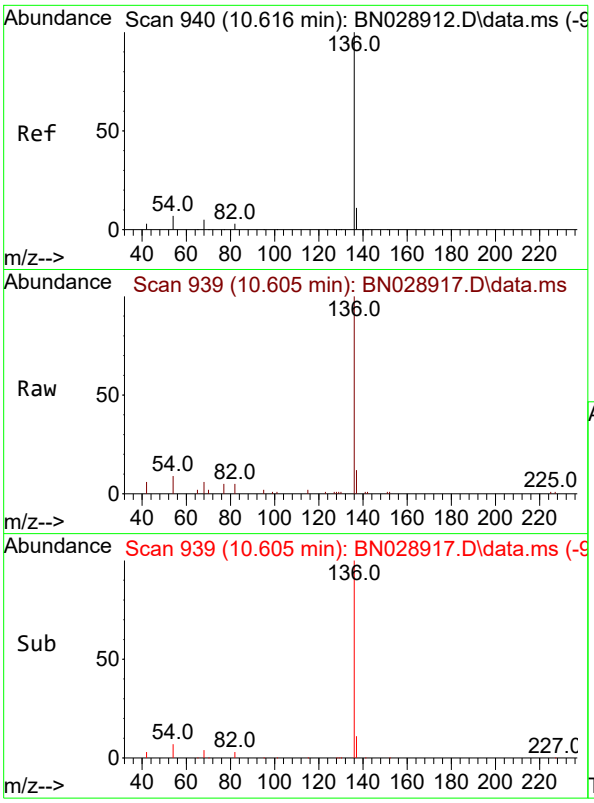


#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 7.284 min Scan# 582
Delta R.T. -0.022 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion: 93 Resp: 4816

Ion	Ratio	Lower	Upper
93	100		
63	82.1	66.9	100.3
95	34.4	28.2	42.4



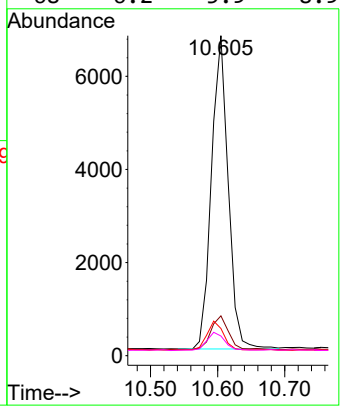


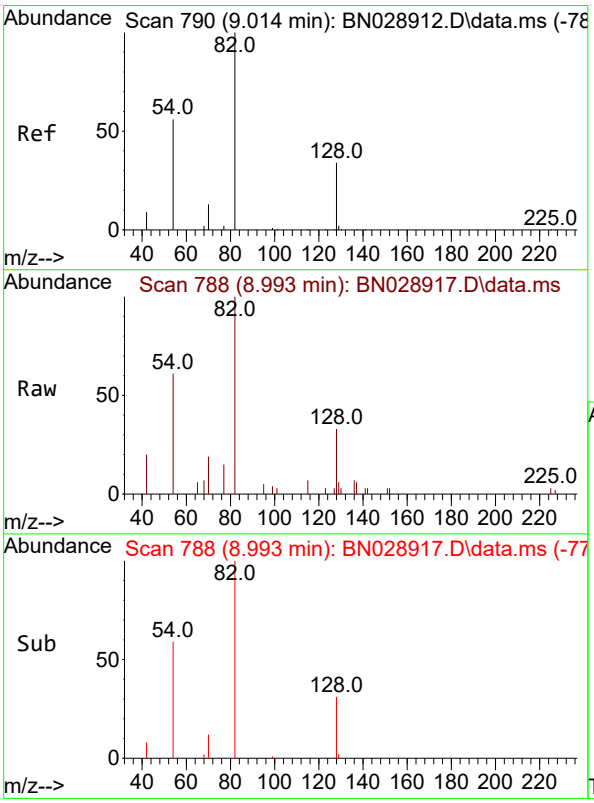
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:136 Resp: 11645

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.6	16.0
54	8.5	7.5	11.3
68	6.2	5.9	8.9

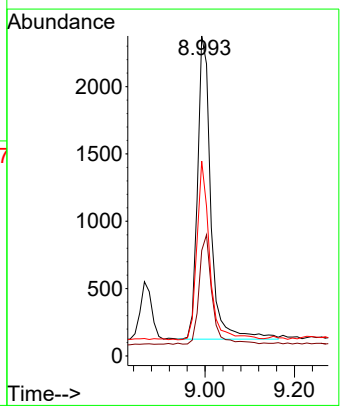


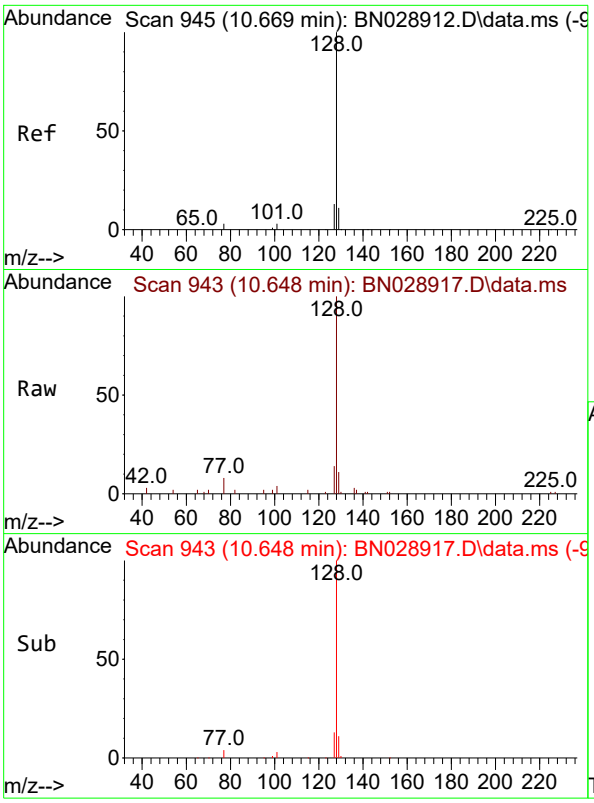


#8
Nitrobenzene-d5
Concen: 0.403 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.021 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion: 82 Resp: 4664

Ion	Ratio	Lower	Upper
82	100		
128	33.0	29.2	43.8
54	60.9	47.0	70.6



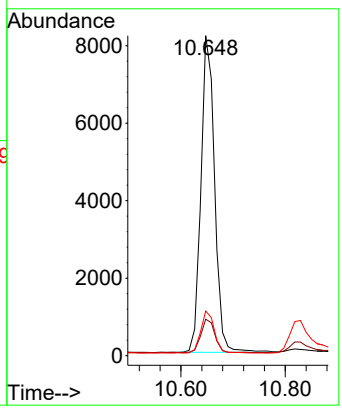


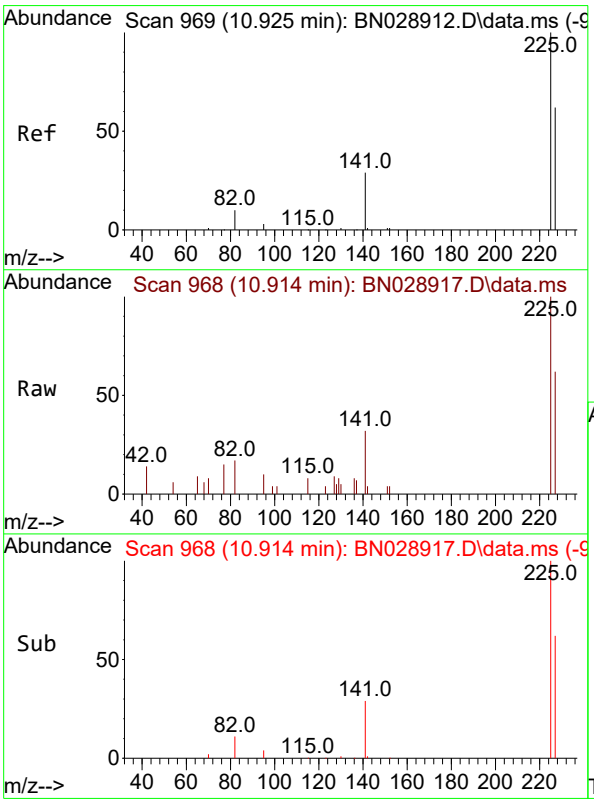
#9
Naphthalene
Concen: 0.401 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.021 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:128 Resp: 14845

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.5	14.3
127	14.0	11.0	16.4

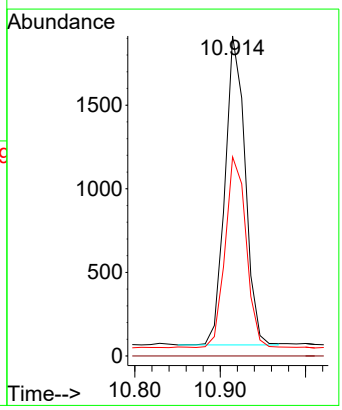


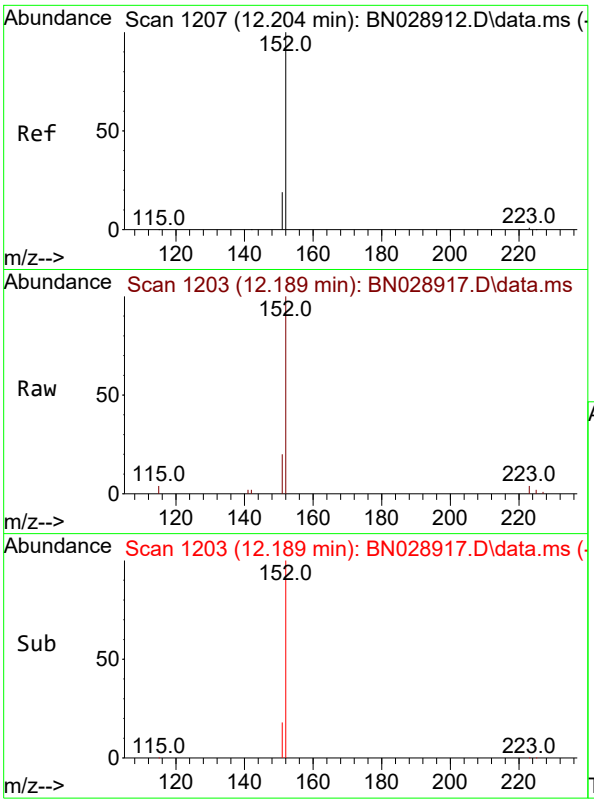


#10
Hexachlorobutadiene
Concen: 0.401 ng
RT: 10.914 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:225 Resp: 3030

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	50.6	76.0



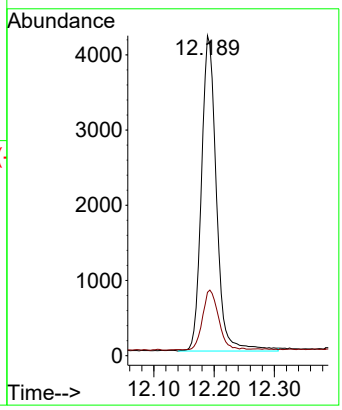


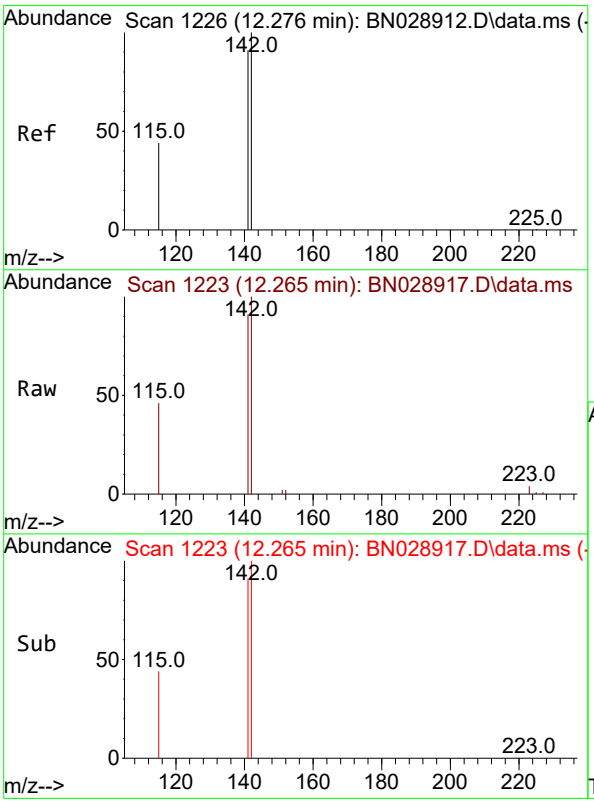
#11
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 12.189 min Scan# 1
Delta R.T. -0.015 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:152 Resp: 7238

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.7	25.1

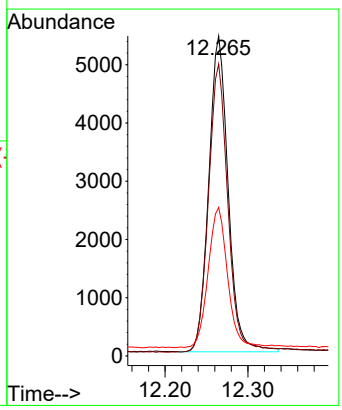


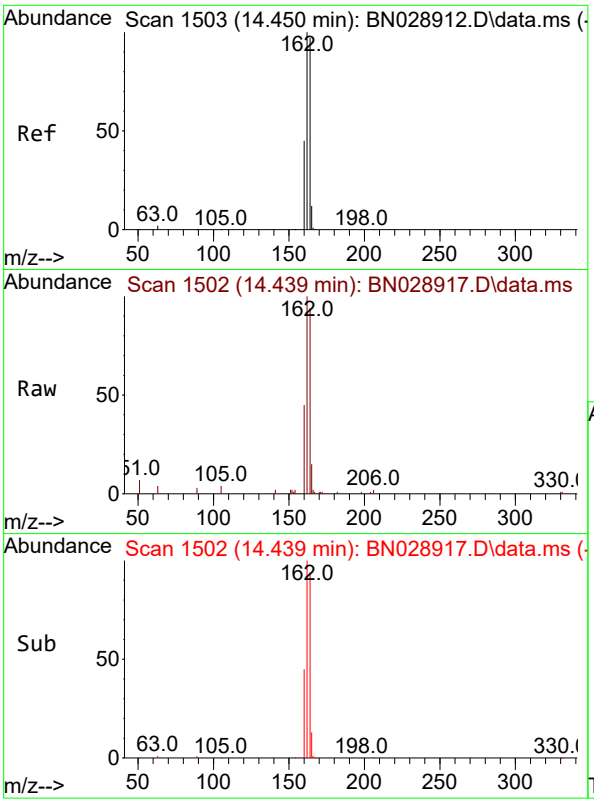


#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 12.265 min Scan# 1223
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:142 Resp: 8857

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.1	109.7
115	46.4	37.6	56.4



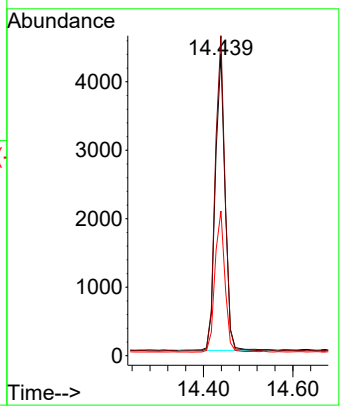


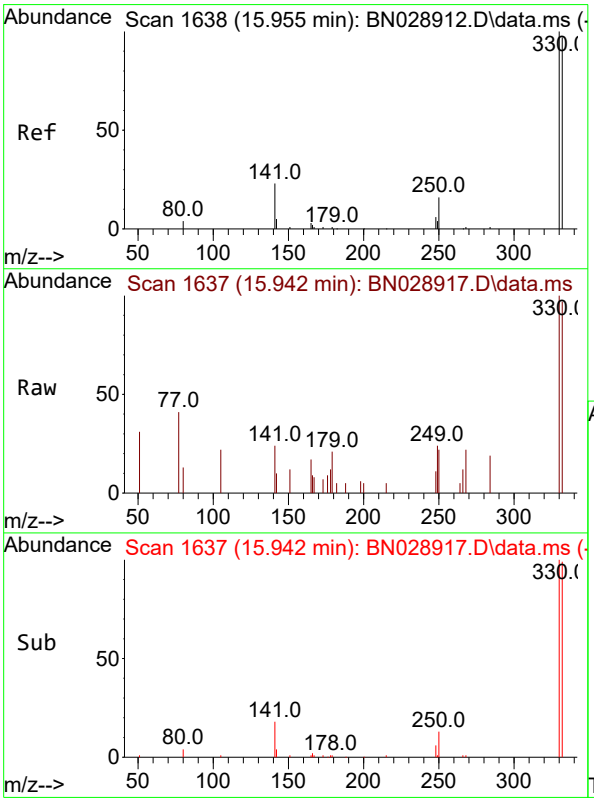
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:164 Resp: 6603

Ion	Ratio	Lower	Upper
164	100		
162	105.9	81.7	122.5
160	47.9	37.0	55.6

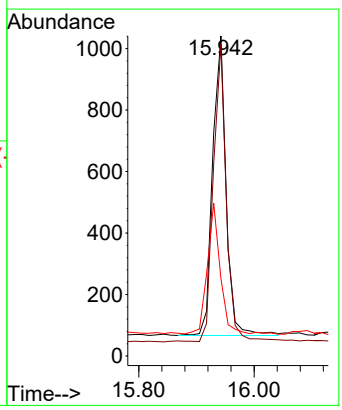


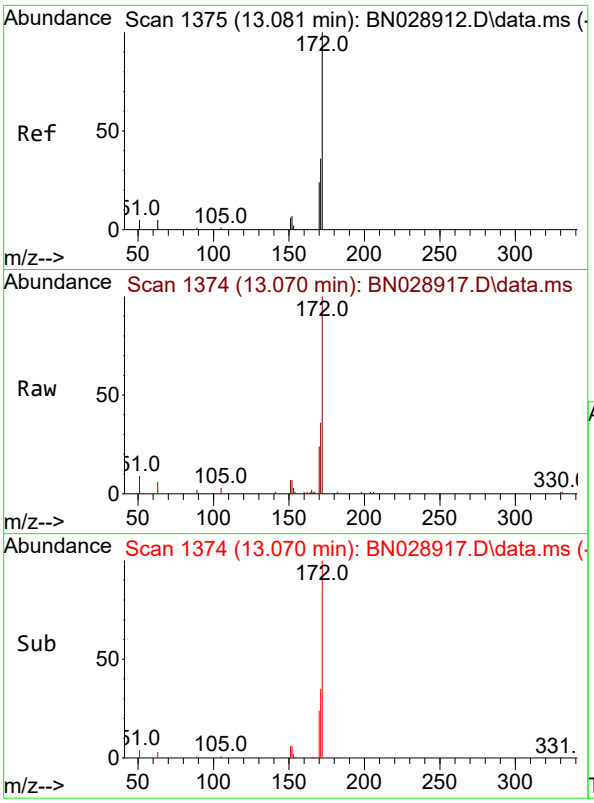


#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 15.942 min Scan# 1637
Delta R.T. -0.012 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:330 Resp: 1575

Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.4	113.2
141	42.3	35.7	53.5



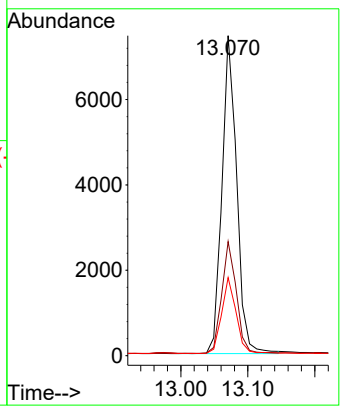


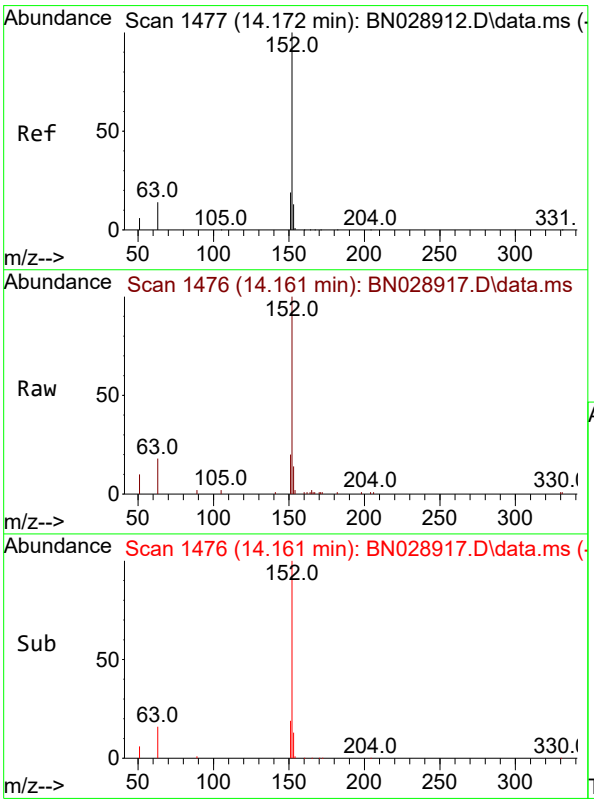
#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.070 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:172 Resp: 11408

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	24.4	19.7	29.5

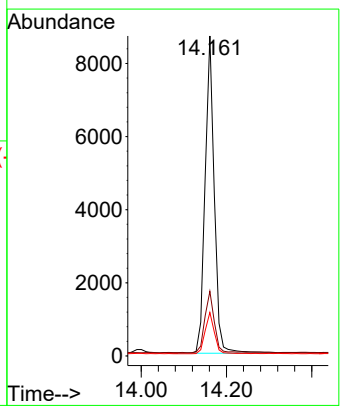


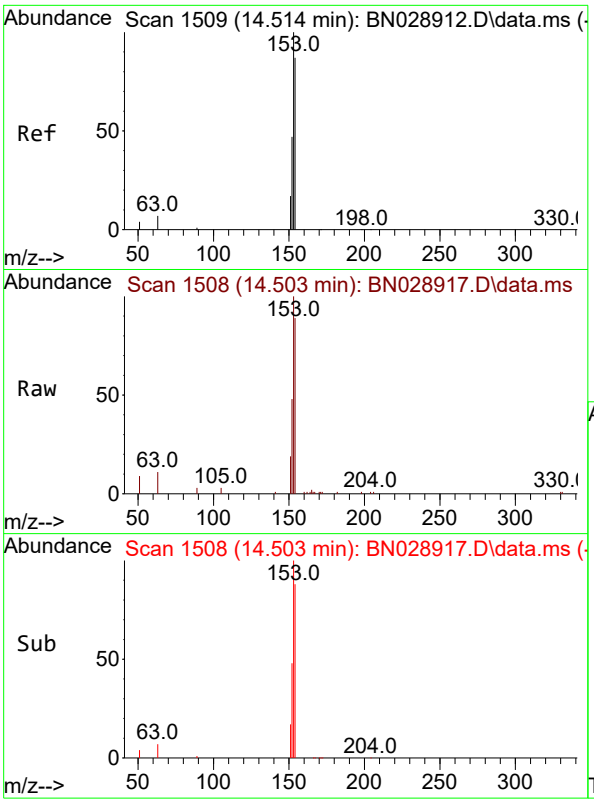


#16
Acenaphthylene
Concen: 0.372 ng
RT: 14.161 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:152 Resp: 13017

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.1	10.8	16.2



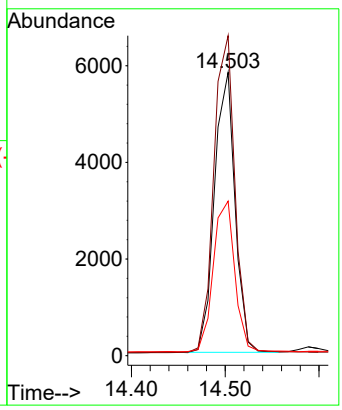


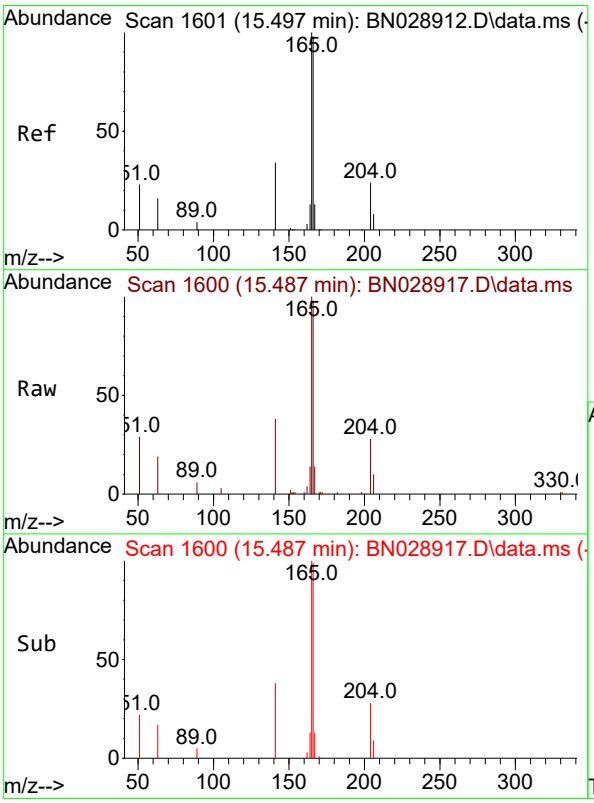
#17
Acenaphthene
Concen: 0.381 ng
RT: 14.503 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:154 Resp: 8835

Ion	Ratio	Lower	Upper
154	100		
153	116.8	93.8	140.6
152	56.3	44.5	66.7

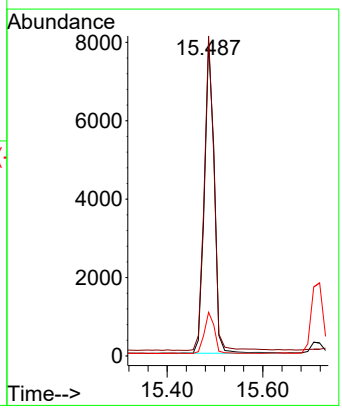


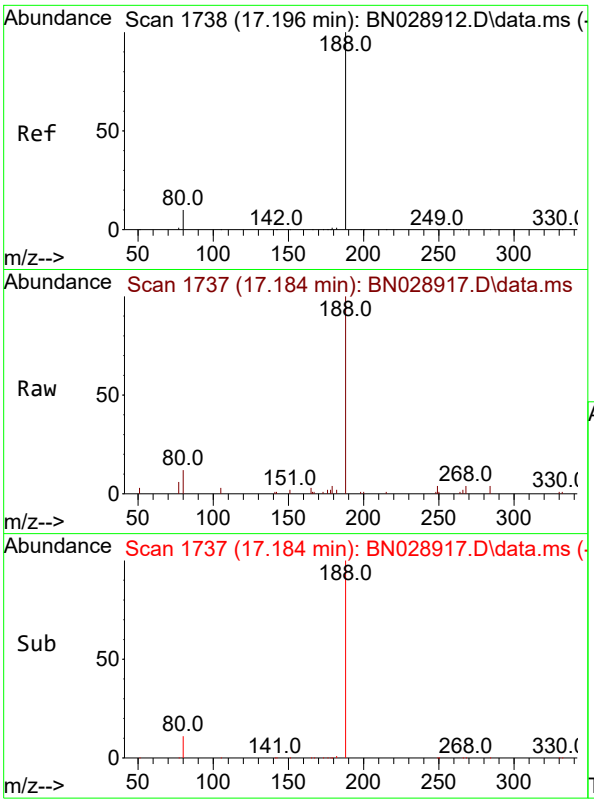


#18
Fluorene
Concen: 0.418 ng
RT: 15.487 min Scan# 1600
Delta R.T. -0.011 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:166 Resp: 12272

Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.4	119.2
167	13.6	11.0	16.4



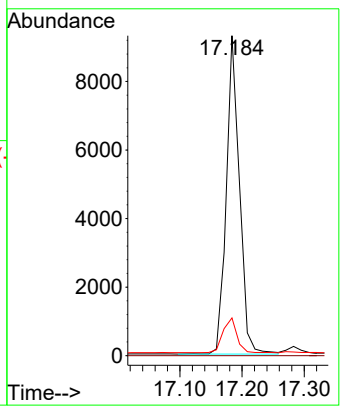


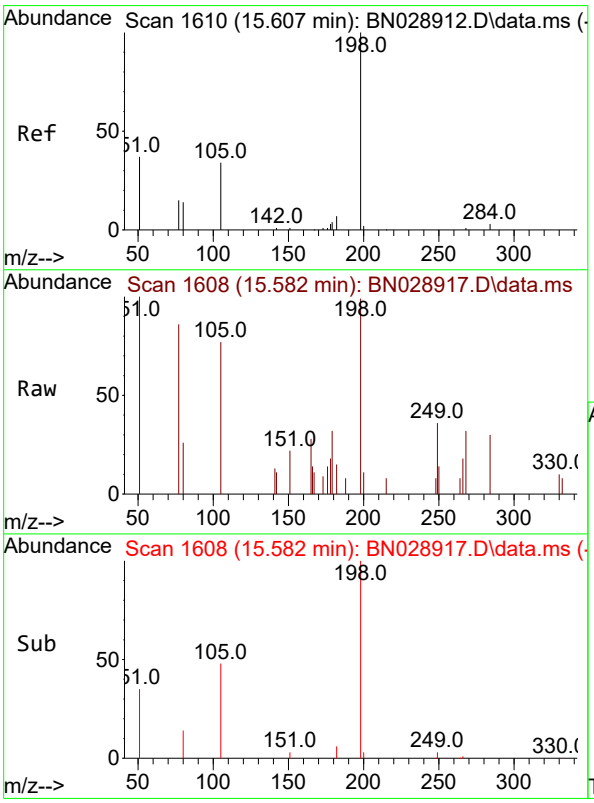
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.184 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:188 Resp: 13605

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	9.0	13.6

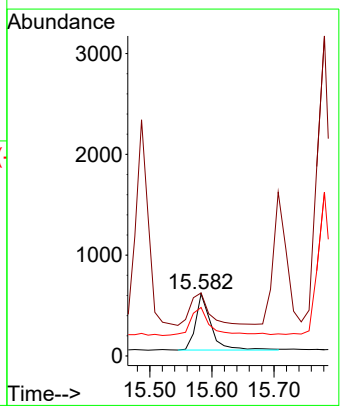


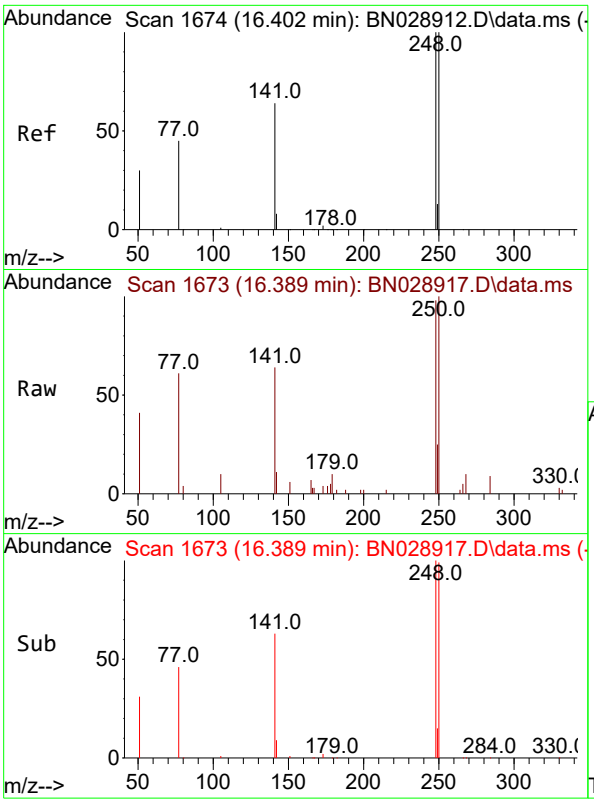


#20
4,6-Dinitro-2-methylphenol
Concen: 0.321 ng
RT: 15.582 min Scan# 1608
Delta R.T. -0.025 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:198 Resp: 959

Ion	Ratio	Lower	Upper
198	100		
51	101.5	76.2	114.4
105	78.1	64.9	97.3



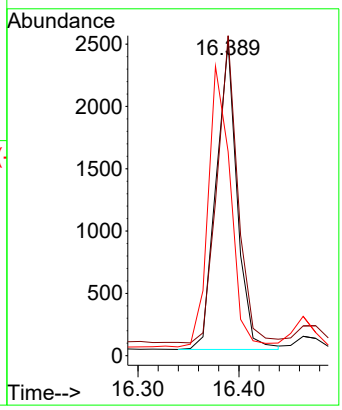


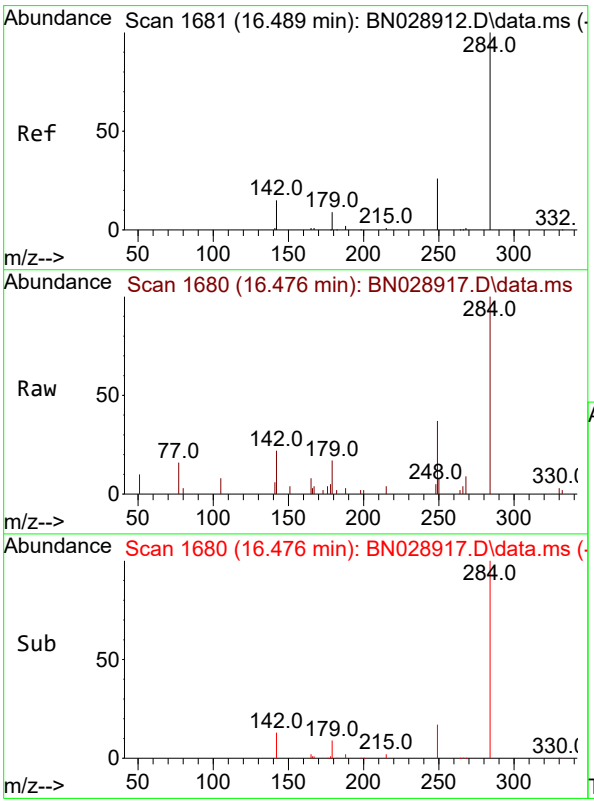
#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.389 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:248 Resp: 3572

Ion	Ratio	Lower	Upper
248	100		
250	101.9	83.5	125.3
141	65.0	52.9	79.3

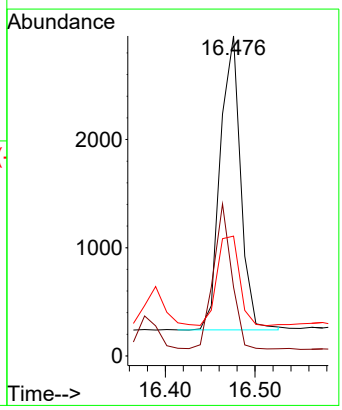


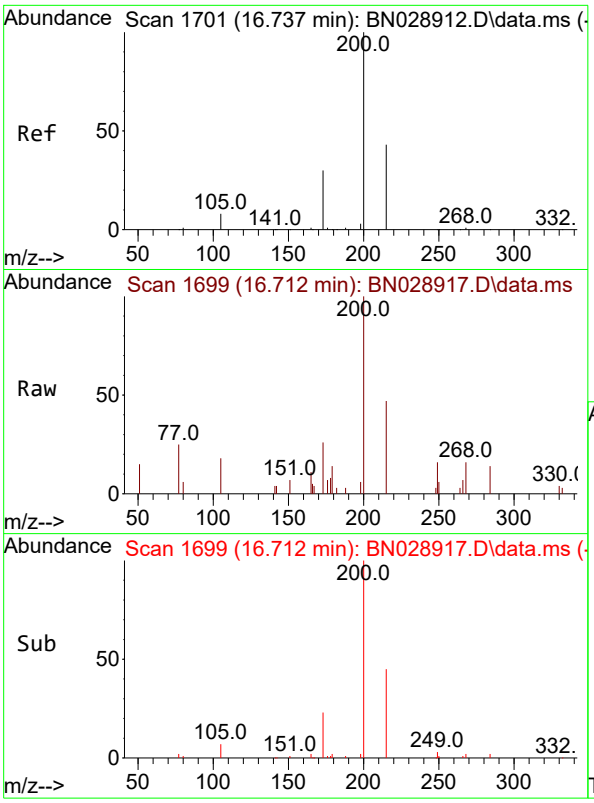


#22
Hexachlorobenzene
Concen: 0.372 ng
RT: 16.476 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:284 Resp: 4275

Ion	Ratio	Lower	Upper
284	100		
142	44.7	34.1	51.1
249	33.5	25.7	38.5



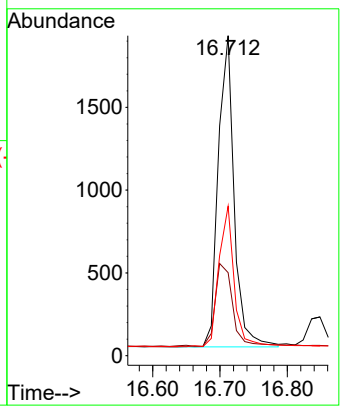


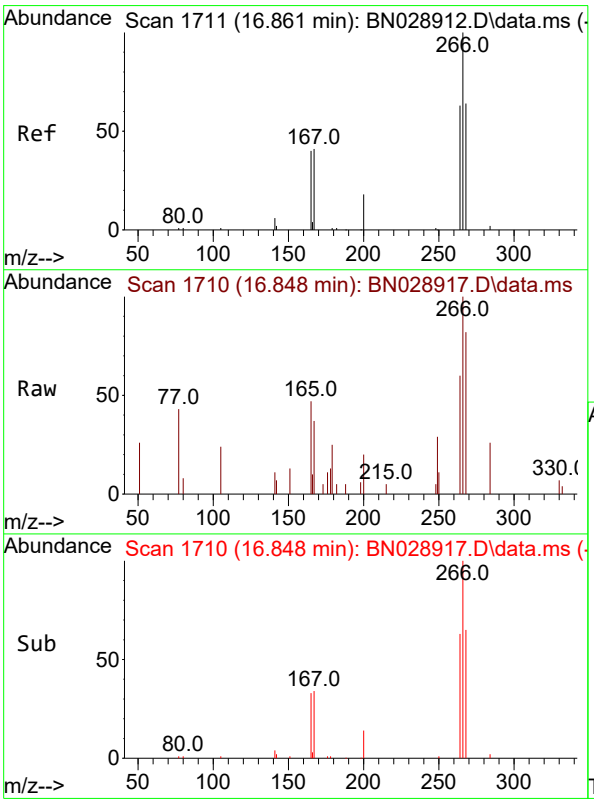
#23
Atrazine
Concen: 0.374 ng
RT: 16.712 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:200 Resp: 3065

Ion	Ratio	Lower	Upper
200	100		
173	26.0	26.2	39.4#
215	46.7	35.8	53.6

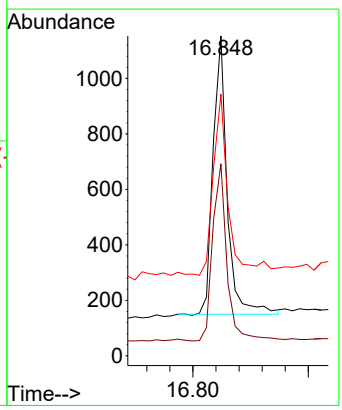


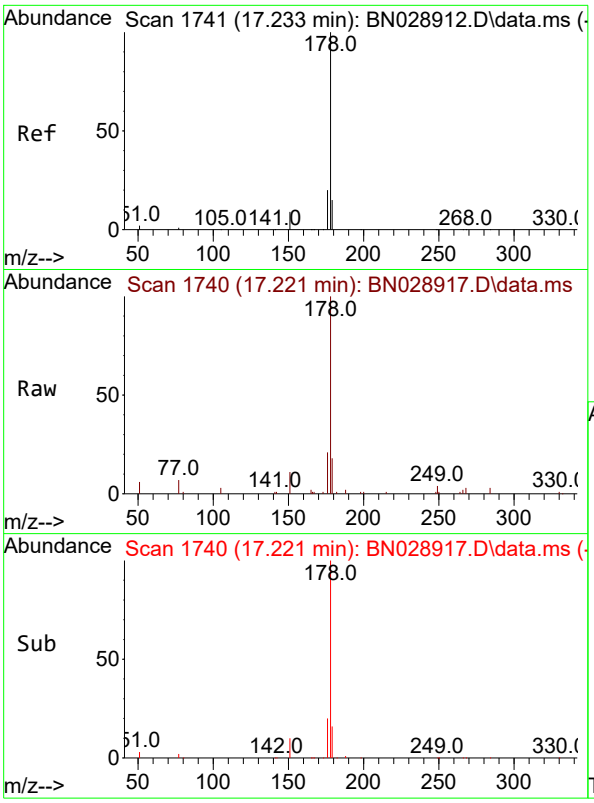


#24
Pentachlorophenol
Concen: 0.317 ng
RT: 16.848 min Scan# 1710
Delta R.T. -0.012 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:266 Resp: 1694

Ion	Ratio	Lower	Upper
266	100		
264	64.9	50.7	76.1
268	69.7	54.9	82.3



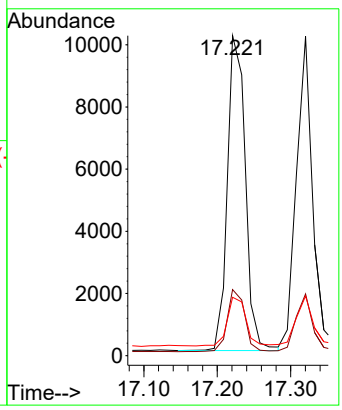


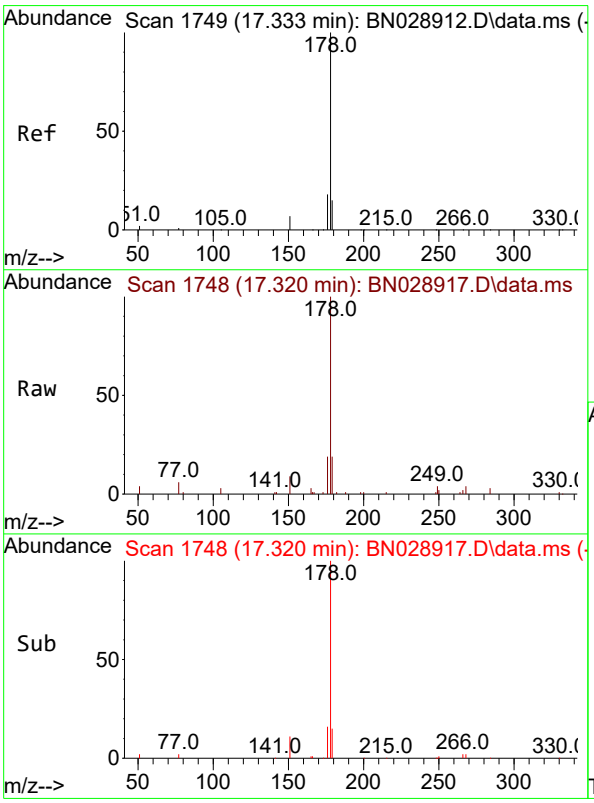
#25
Phenanthrene
Concen: 0.383 ng
RT: 17.221 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:178 Resp: 17205

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.4	24.6
179	15.9	14.1	21.1

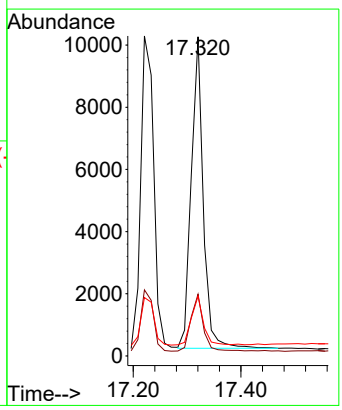


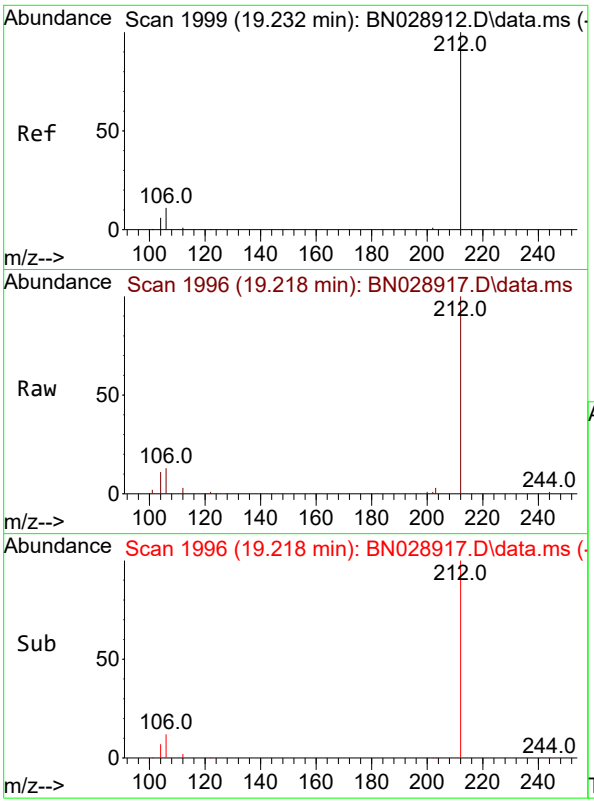


#26
Anthracene
Concen: 0.374 ng
RT: 17.320 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:178 Resp: 15525

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.8	12.2	18.2



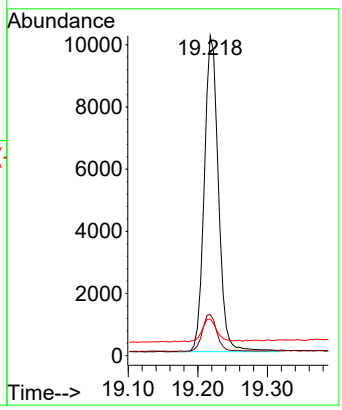


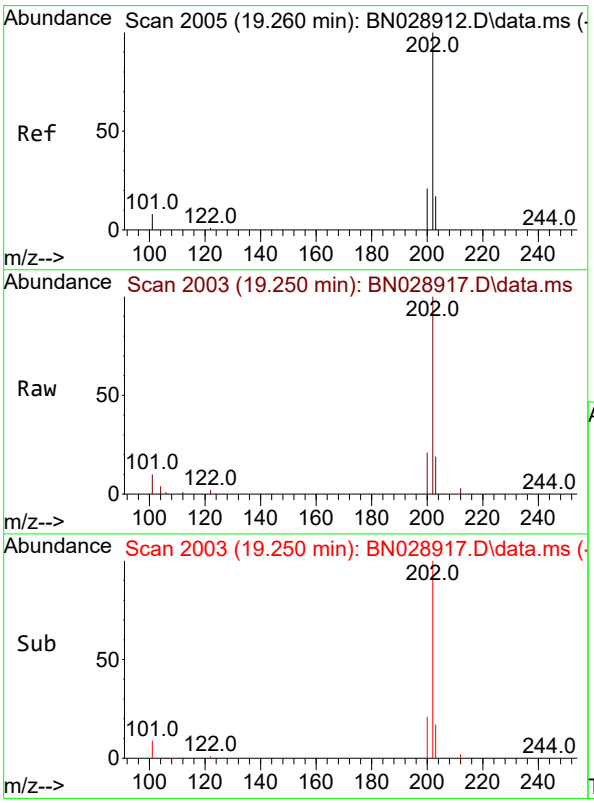
#27
Fluoranthene-d10
Concen: 0.401 ng
RT: 19.218 min Scan# 1
Delta R.T. -0.014 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:212 Resp: 14337

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.4	14.2
104	7.7	6.2	9.2

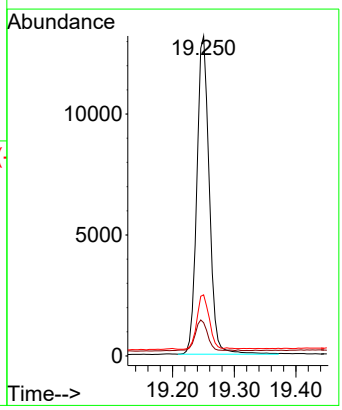


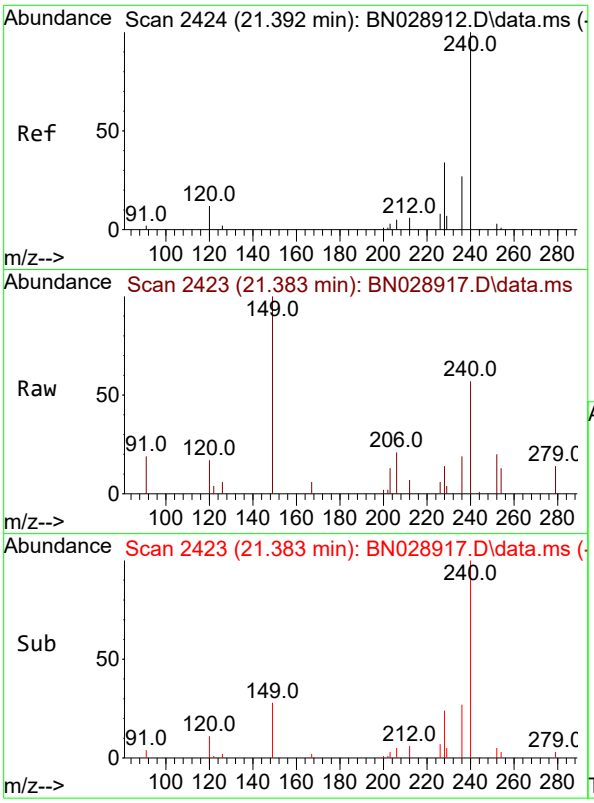


#28
Fluoranthene
Concen: 0.396 ng
RT: 19.250 min Scan# 2003
Delta R.T. -0.009 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:202 Resp: 18491

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.3	10.9
203	16.9	14.1	21.1



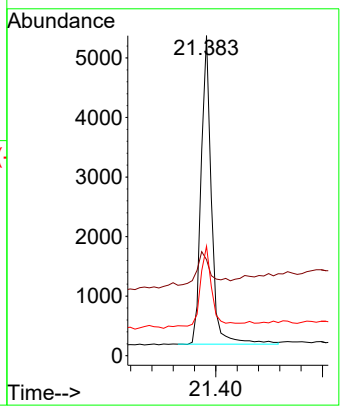


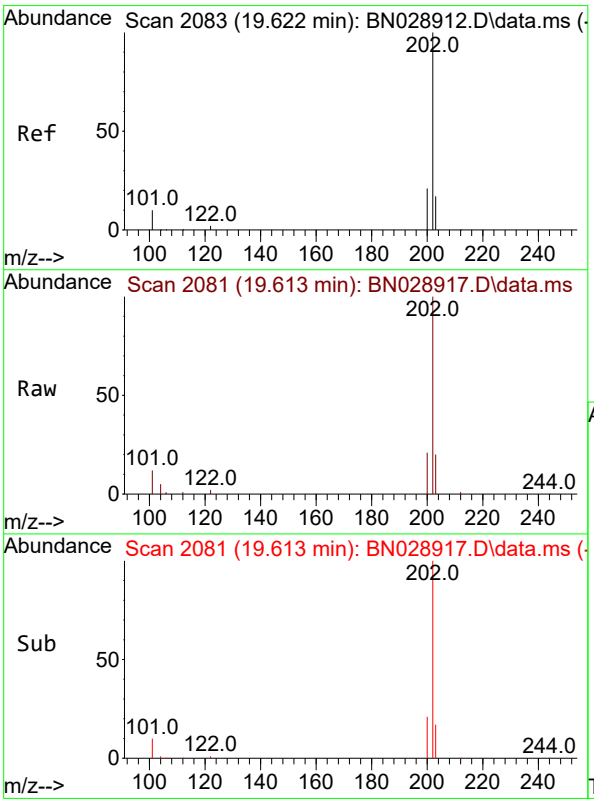
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.383 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:240 Resp: 6989

Ion	Ratio	Lower	Upper
240	100		
120	30.0	37.1	55.7#
236	34.2	32.4	48.6

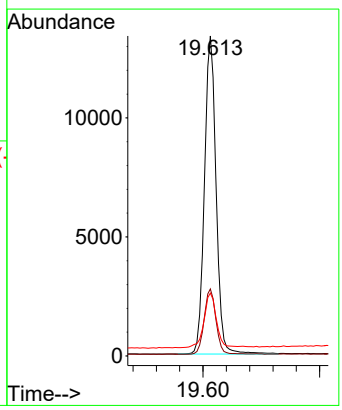


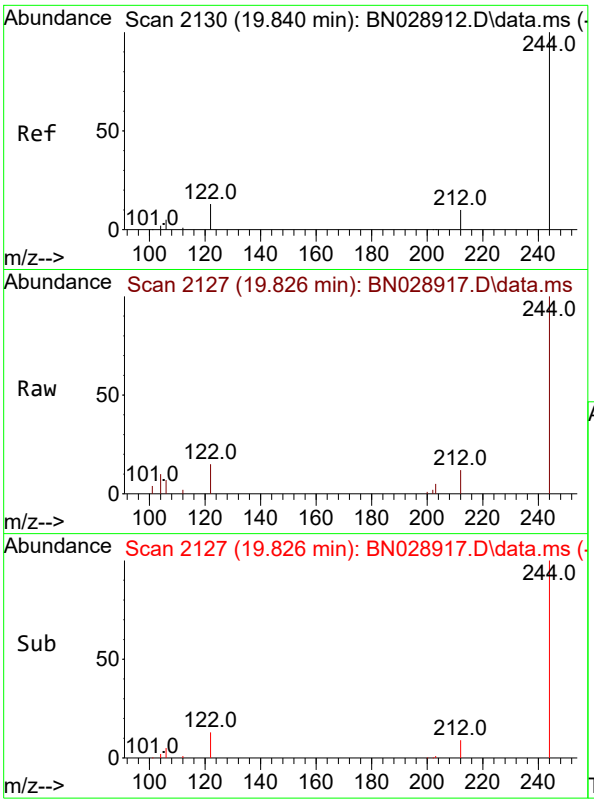


#30
Pyrene
Concen: 0.443 ng
RT: 19.613 min Scan# 2081
Delta R.T. -0.009 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:202 Resp: 18673

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	18.2	14.8	22.2



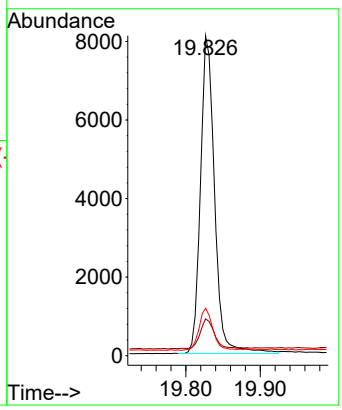


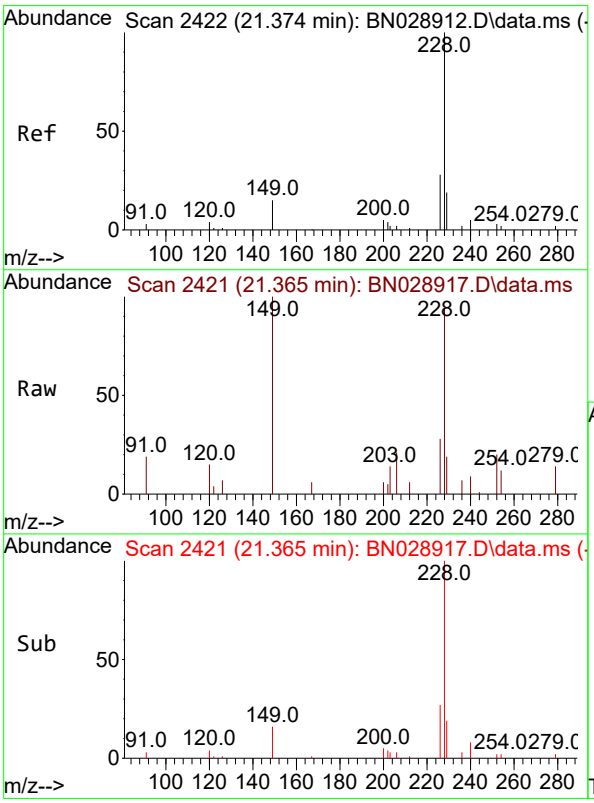
#31
Terphenyl-d14
Concen: 0.486 ng
RT: 19.826 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:244 Resp: 10666

Ion	Ratio	Lower	Upper
244	100		
212	11.5	11.5	17.3#
122	14.8	13.2	19.8

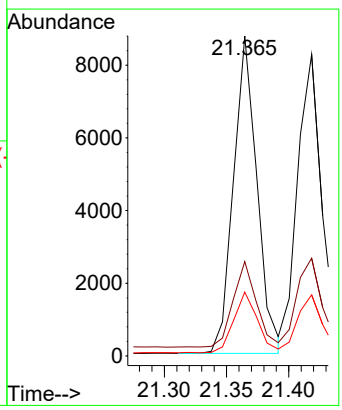


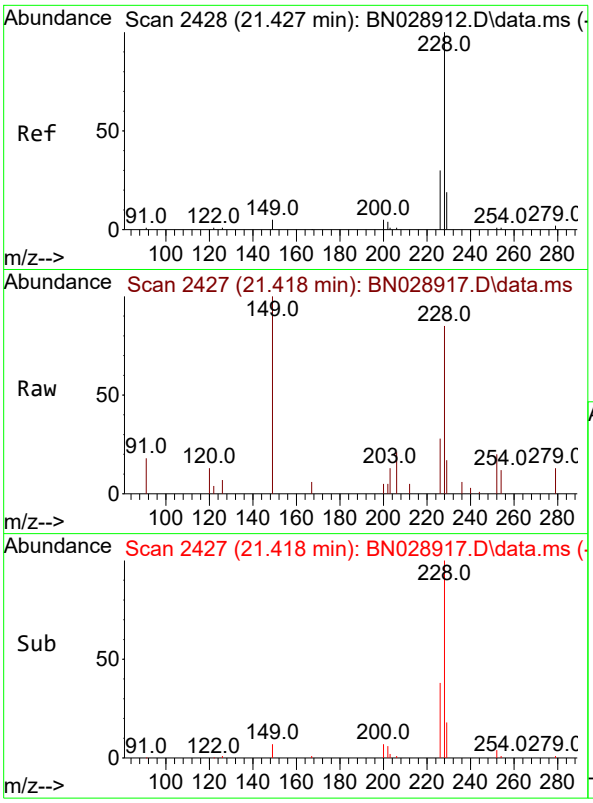


#32
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.365 min Scan# 2421
Delta R.T. -0.009 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:228 Resp: 11481

Ion	Ratio	Lower	Upper
228	100		
226	29.5	26.5	39.7
229	19.9	16.4	24.6



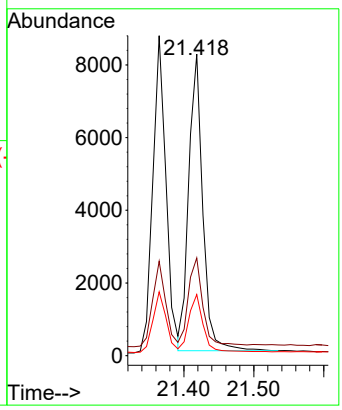


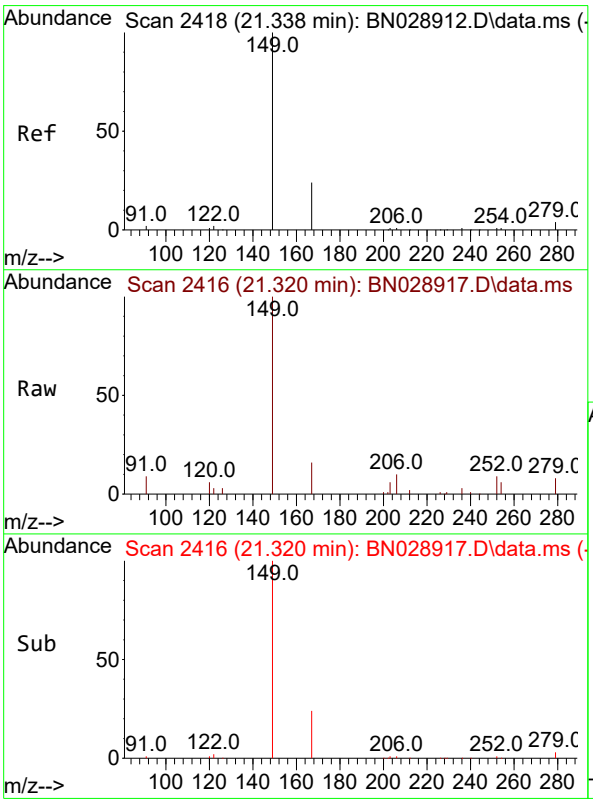
#33
Chrysene
Concen: 0.390 ng
RT: 21.418 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:228 Resp: 11367

Ion	Ratio	Lower	Upper
228	100		
226	32.4	28.3	42.5
229	20.3	16.4	24.6

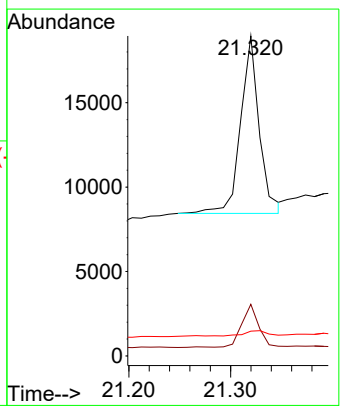


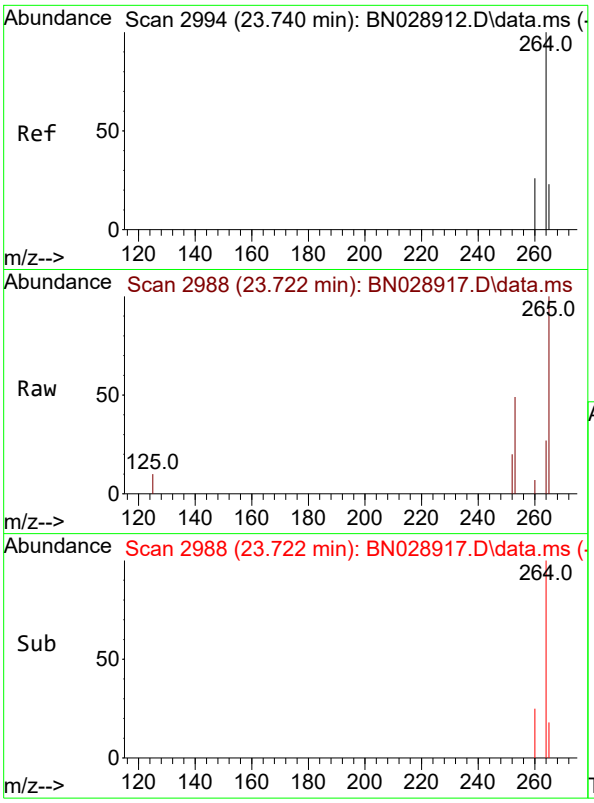


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.231 ng
RT: 21.320 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:149 Resp: 13336

Ion	Ratio	Lower	Upper
149	100		
167	23.1	14.9	22.3#
279	3.6	6.3	9.5#



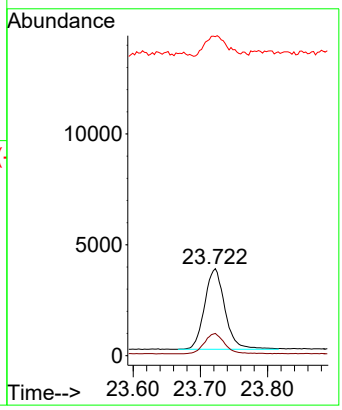


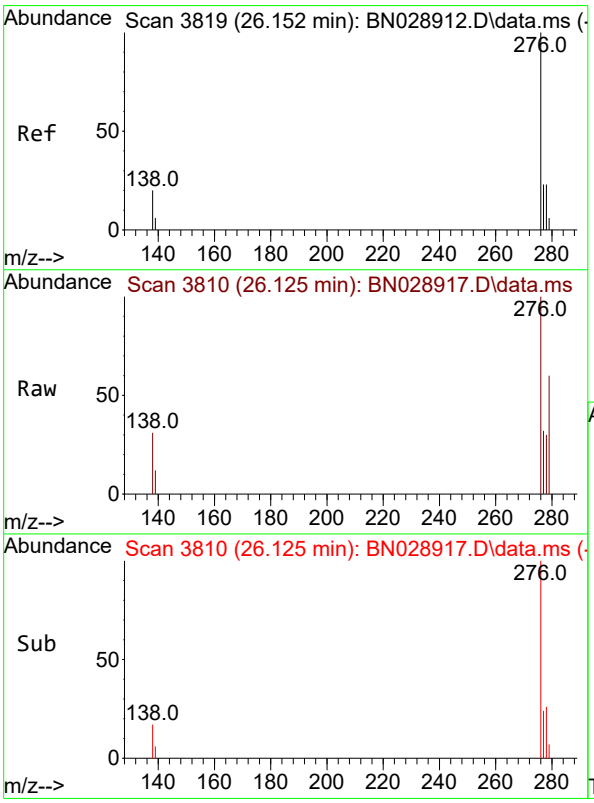
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.722 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:264 Resp: 7653

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.6	30.8
265	366.7	464.5	696.7#

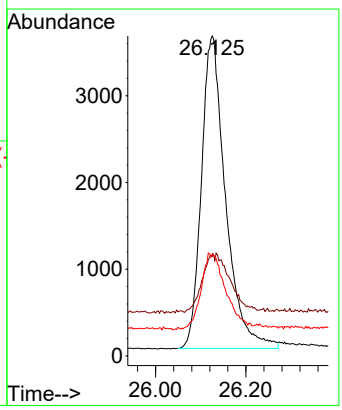


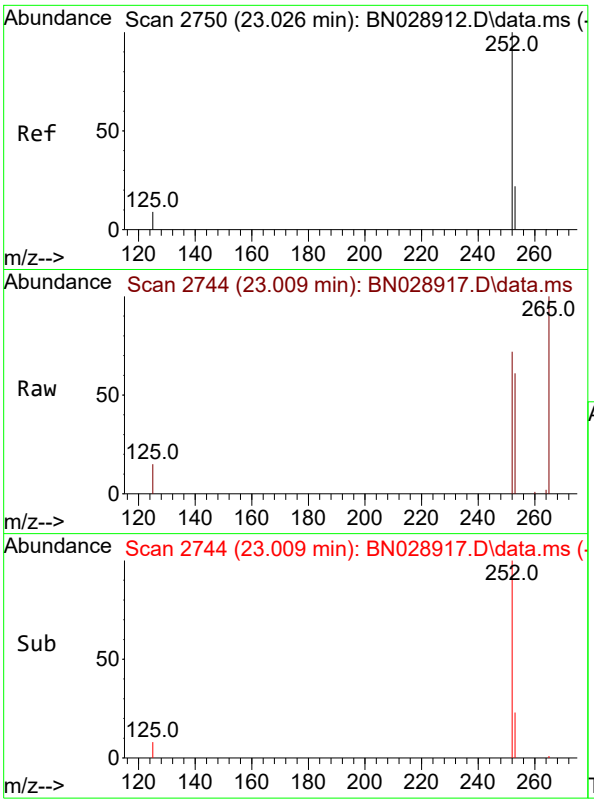


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 26.125 min Scan# 3810
Delta R.T. -0.026 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:276 Resp: 13399

Ion	Ratio	Lower	Upper
276	100		
138	9.8	20.9	31.3#
277	10.2	20.2	30.4#



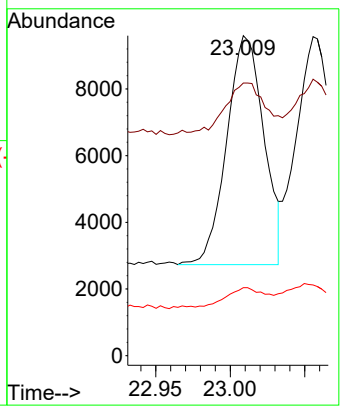


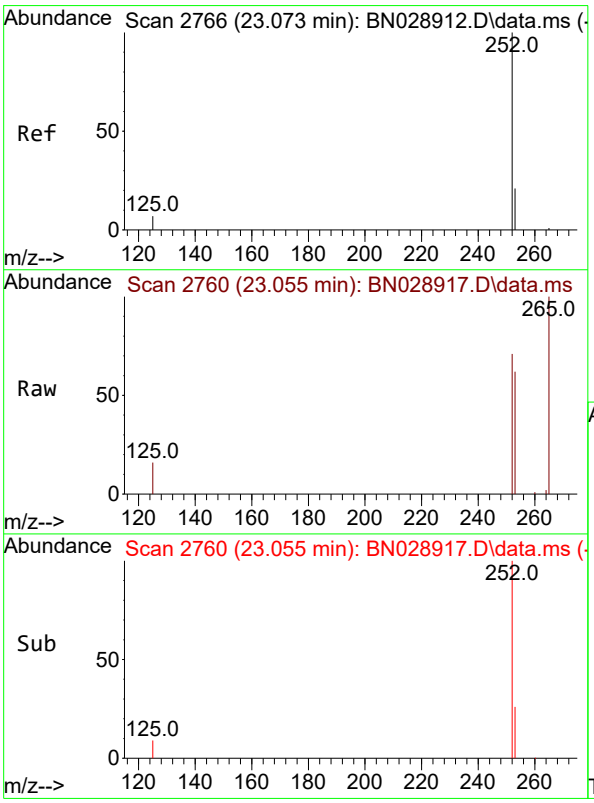
#37
Benzo(b)fluoranthene
Concen: 0.381 ng
RT: 23.009 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:252 Resp: 11914

Ion	Ratio	Lower	Upper
252	100		
253	85.2	94.5	141.7#
125	21.3	23.8	35.8#

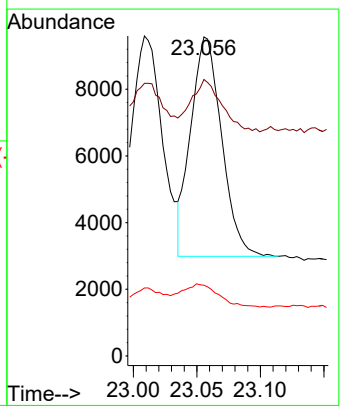


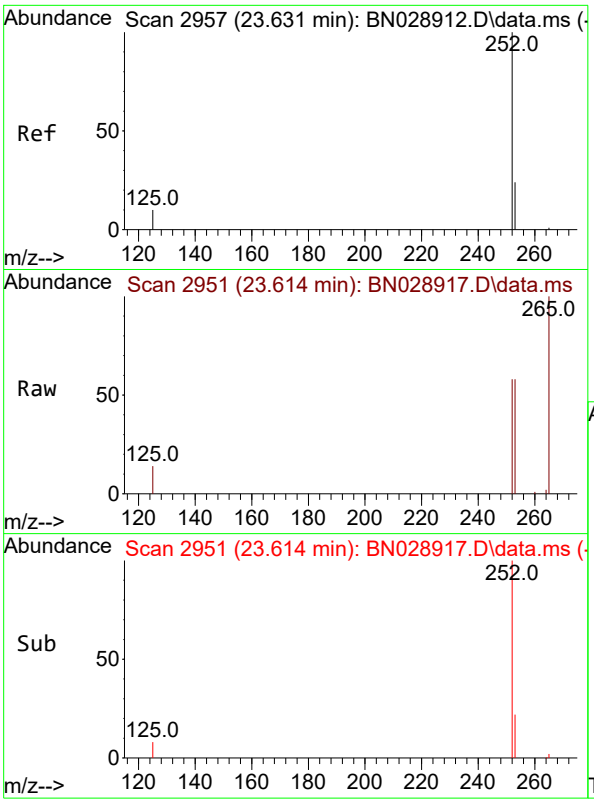


#38
Benzo(k)fluoranthene
Concen: 0.376 ng
RT: 23.055 min Scan# 2760
Delta R.T. -0.018 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:252 Resp: 11105

Ion	Ratio	Lower	Upper
252	100		
253	86.6	95.2	142.8#
125	22.2	24.3	36.5#



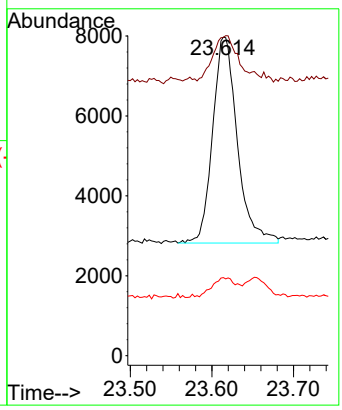


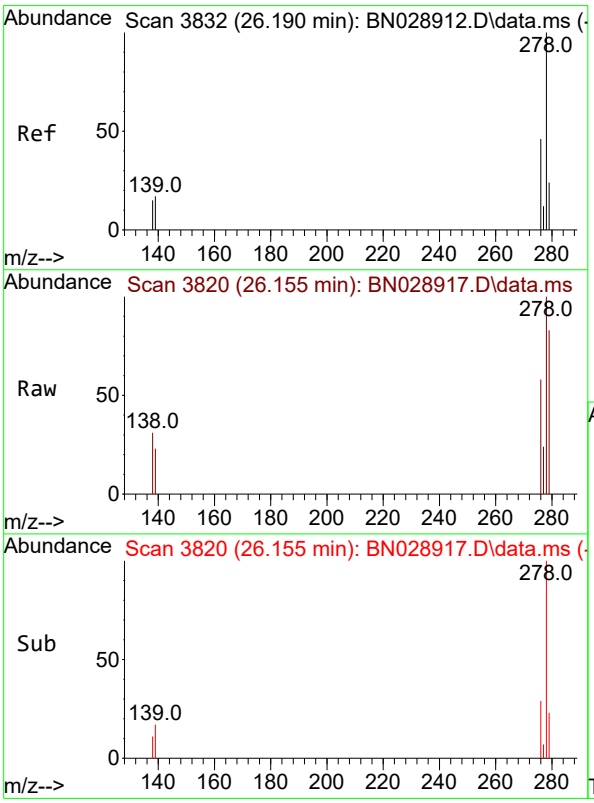
#39
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.614 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:252 Resp: 10842

Ion	Ratio	Lower	Upper
252	100		
253	99.9	110.2	165.4#
125	24.5	27.0	40.4#

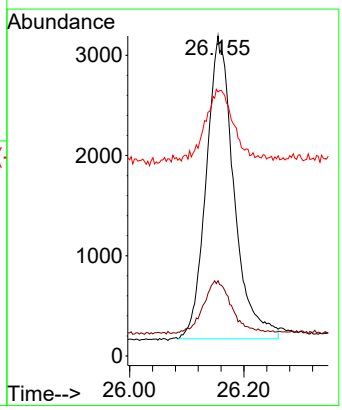


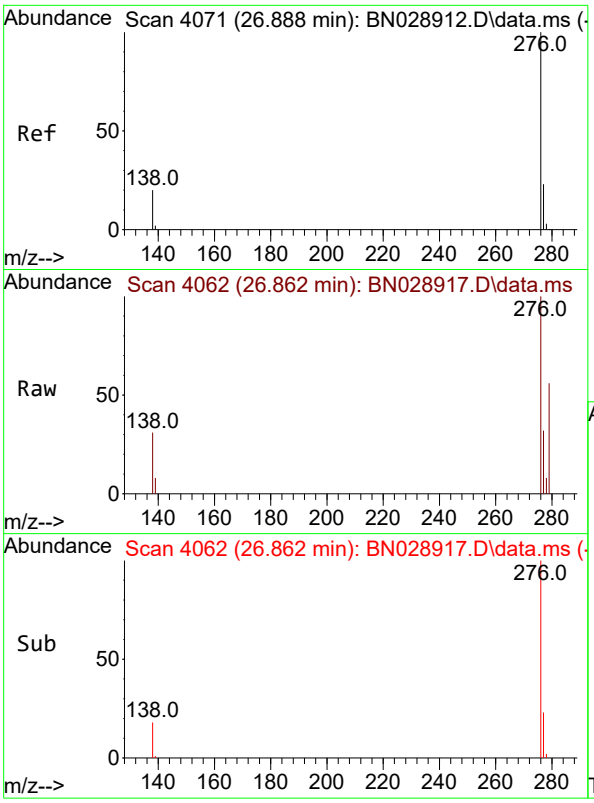


#40
Dibenzo(a,h)anthracene
Concen: 0.395 ng
RT: 26.155 min Scan# 3820
Delta R.T. -0.035 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Tgt Ion:278 Resp: 10195

Ion	Ratio	Lower	Upper
278	100		
139	23.5	22.6	33.8
279	82.5	102.6	153.8#





#41
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 26.862 min Scan# 4
Delta R.T. -0.026 min
Lab File: BN028917.D
Acq: 30 Nov 2023 19:12

Instrument :
BNA_N
ClientSampleId :
ICVBN113023

Tgt Ion:276 Resp: 11716

Ion	Ratio	Lower	Upper
276	100		
277	31.7	28.9	43.3
138	31.3	36.2	54.2#