Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053123\
Data File : BN025743.D
Acq On : 31 May 2023 16:56
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Quant Time: Jun 01 01:06:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 01:04:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	7095	0.400	ng	0.00
7) Naphthalene-d8	10.824	136	20017	0.400	ng	0.00
13) Acenaphthene-d10	14.640	164	11296	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	22218	0.400	ng	# 0.01
29) Chrysene-d12	21.569	240	10651	0.400	ng	0.00
35) Perylene-d12	24.042	264	9003	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	8305	0.416	ng	0.00
5) Phenol-d6	7.160	99	10011	0.409	ng	0.00
8) Nitrobenzene-d5	9.180	82	7448	0.400	ng	0.01
11) 2-Methylnaphthalene-d10	12.411	152	12316	0.427	ng	0.00
14) 2,4,6-Tribromophenol	16.139	330	1231	0.353	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	20092	0.421	ng	0.00
27) Fluoranthene-d10	19.416	212	18733	0.410	ng	0.00
31) Terphenyl-d14	20.006	244	11210	0.434	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.390	88	3808	0.457	ng	96
3) n-Nitrosodimethylamine	3.729	42	4167	0.392	ng	# 99
6) bis(2-Chloroethyl)ether	7.427	93	9509	0.428	ng	99
9) Naphthalene	10.878	128	24724	0.413	ng	100
10) Hexachlorobutadiene	11.166	225	4039	0.439	ng	# 100
12) 2-Methylnaphthalene	12.483	142	16355	0.430	ng	100
16) Acenaphthylene	14.363	152	22024	0.405	ng	100
17) Acenaphthene	14.705	154	14953	0.419	ng	100
18) Fluorene	15.680	166	19457	0.424	ng	99
20) 4,6-Dinitro-2-methylph...	15.779	198	1453	0.362	ng	96
21) 4-Bromophenyl-phenylether	16.574	248	5529	0.430	ng	90
22) Hexachlorobenzene	16.698	284	4824	0.438	ng	100
23) Atrazine	16.835	200	4181	0.399	ng	97
24) Pentachlorophenol	17.058	266	1237	0.301	ng	98
25) Phenanthrene	17.430	178	29269	0.429	ng	99
26) Anthracene	17.517	178	25936	0.415	ng	100
28) Fluoranthene	19.444	202	27765	0.412	ng	100
30) Pyrene	19.806	202	27477	0.455	ng	99
32) Benzo(a)anthracene	21.551	228	16528	0.402	ng	100
33) Chrysene	21.605	228	19198	0.441	ng	98
34) Bis(2-ethylhexyl)phtha...	21.462	149	9491	0.388	ng	99
36) Indeno(1,2,3-cd)pyrene	26.624	276	16663	0.428	ng	99
37) Benzo(b)fluoranthene	23.282	252	14649	0.413	ng	96
38) Benzo(k)fluoranthene	23.332	252	15075	0.416	ng	96
39) Benzo(a)pyrene	23.931	252	14310	0.425	ng	97
40) Dibenzo(a,h)anthracene	26.650	278	13378	0.428	ng	98
41) Benzo(g,h,i)perylene	27.416	276	15405	0.441	ng	99

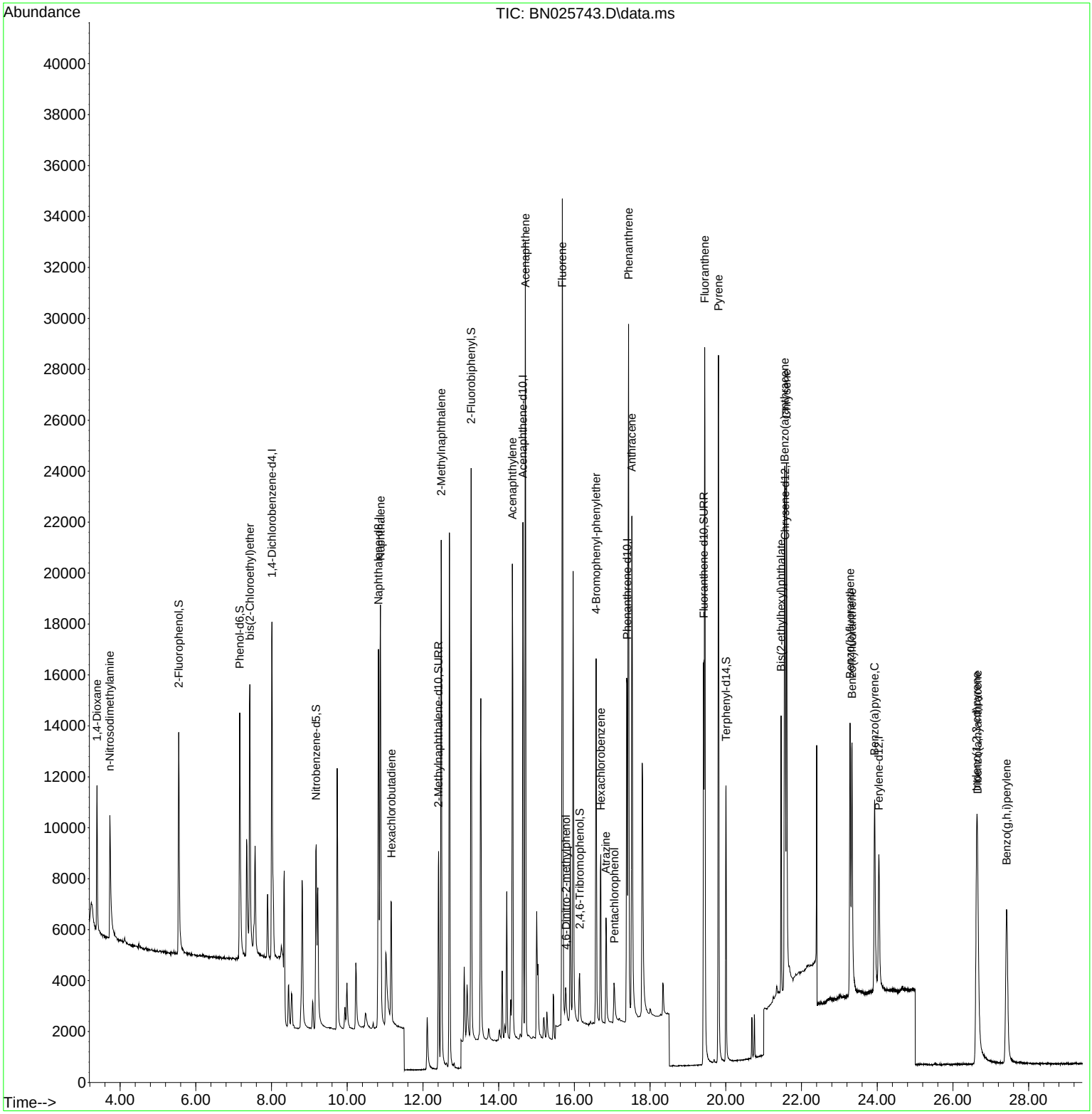
(#) = qualifier out of range (m) = manual integration (+) = signals summed

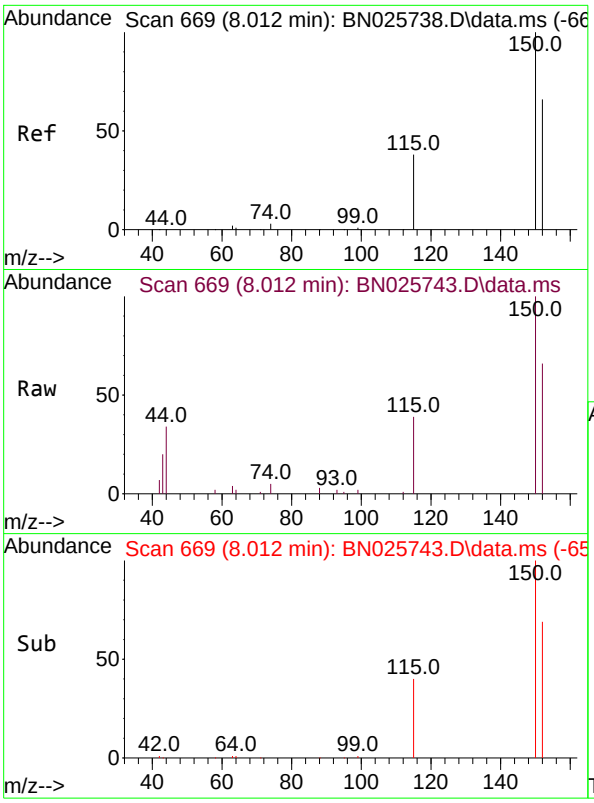
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053123\
Data File : BN025743.D
Acq On : 31 May 2023 16:56
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Quant Time: Jun 01 01:06:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 01:04:04 2023
Response via : Initial Calibration



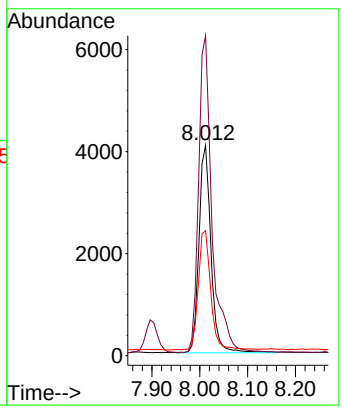


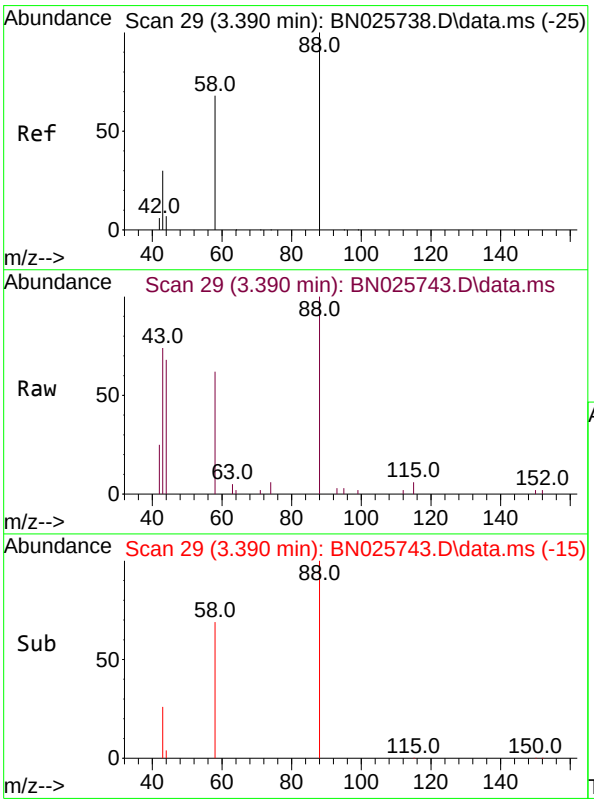
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.012 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:152 Resp: 7095

Ion	Ratio	Lower	Upper
152	100		
150	152.1	121.5	182.3
115	59.5	47.7	71.5

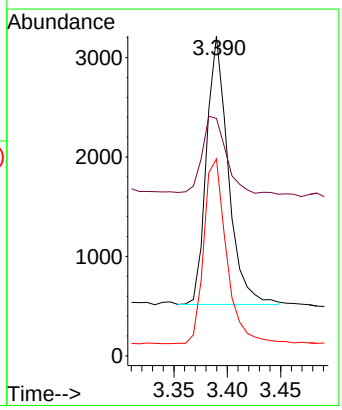


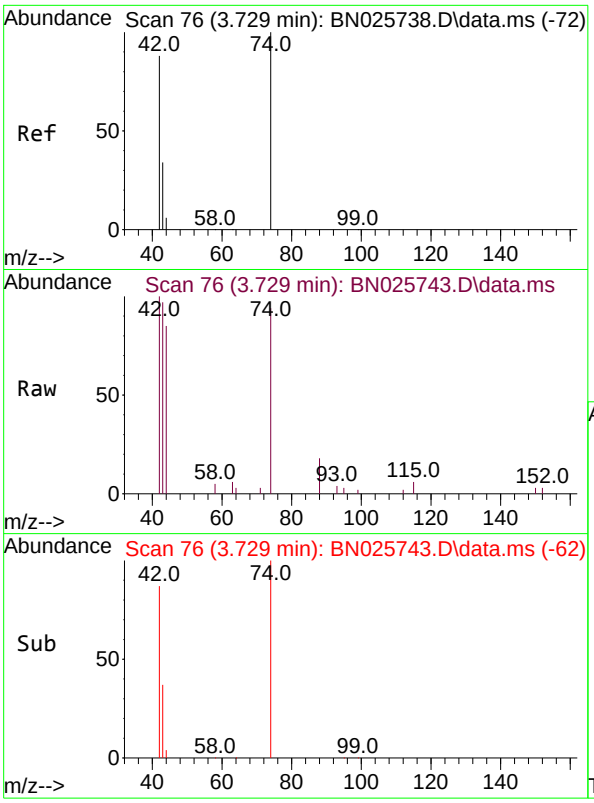


#2
1,4-Dioxane
Concen: 0.457 ng
RT: 3.390 min Scan# 29
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion: 88 Resp: 3808

Ion	Ratio	Lower	Upper
88	100		
43	32.5	31.0	46.4
58	72.2	57.3	85.9



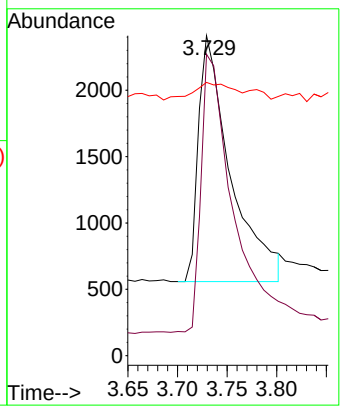


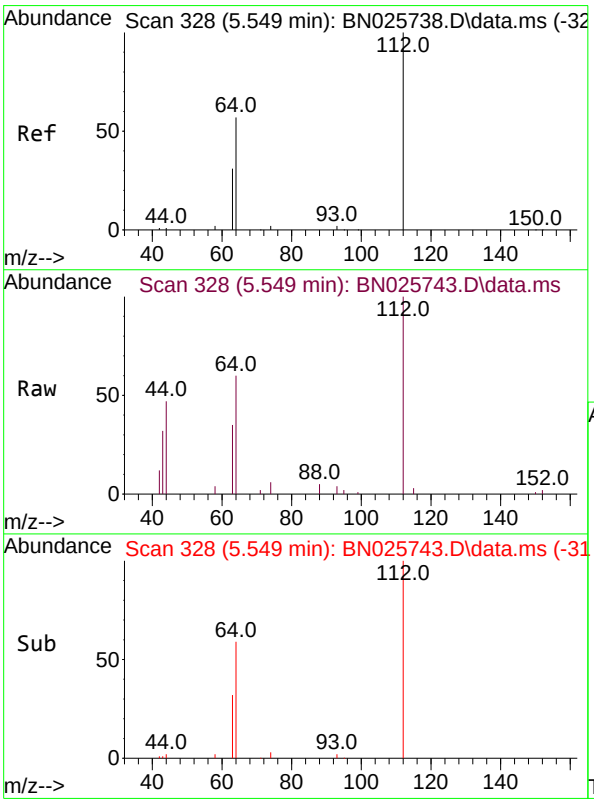
#3
n-Nitrosodimethylamine
Concen: 0.392 ng
RT: 3.729 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion: 42 Resp: 4167

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.5	135.7
44	8.4	4.4	6.6#

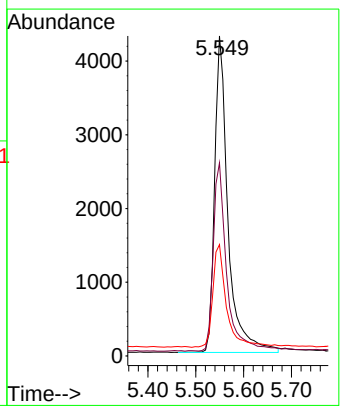


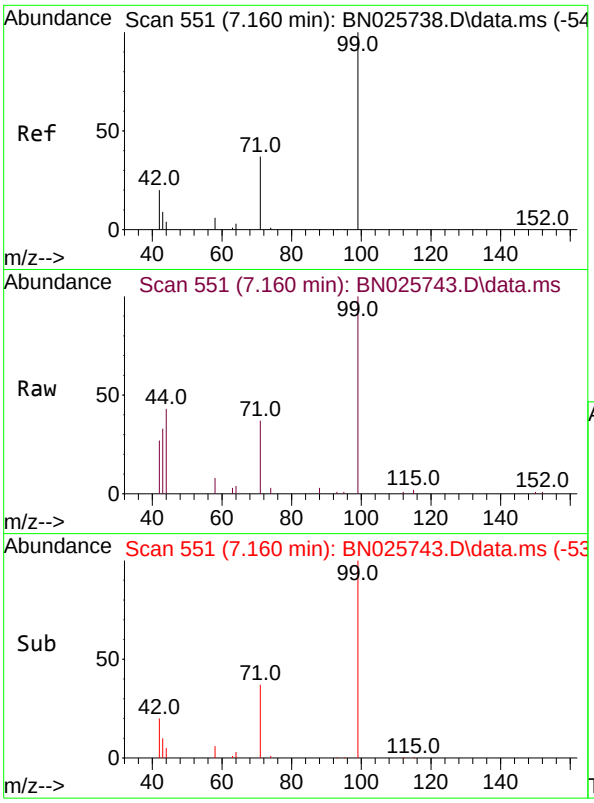


#4
2-Fluorophenol
Concen: 0.416 ng
RT: 5.549 min Scan# 328
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:112 Resp: 8305

Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.5	71.3
63	33.6	26.2	39.4



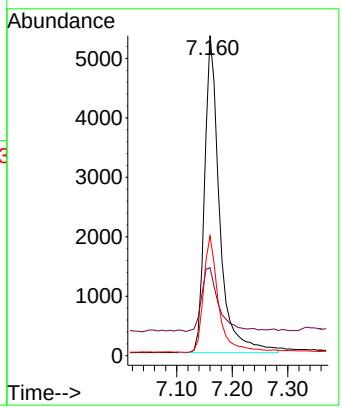


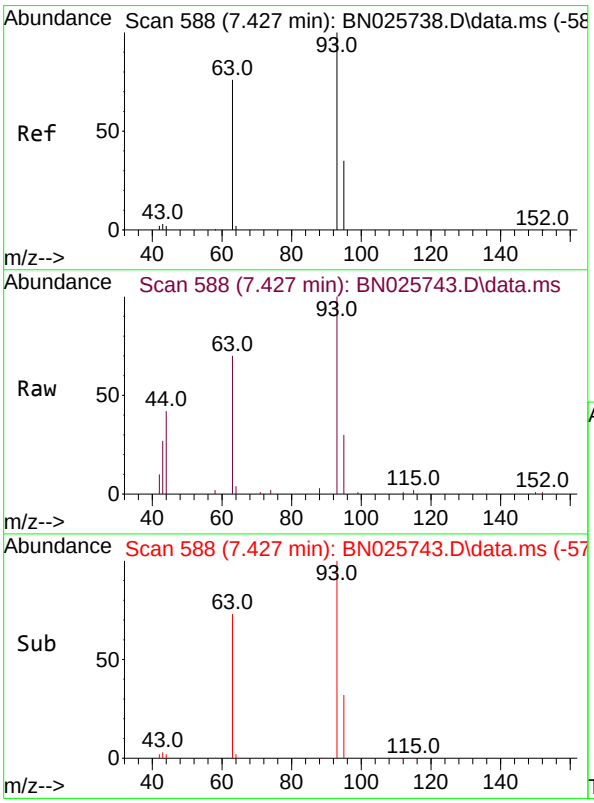
#5
Phenol-d6
Concen: 0.409 ng
RT: 7.160 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion: 99 Resp: 10011

Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.6	28.0
71	36.8	30.5	45.7

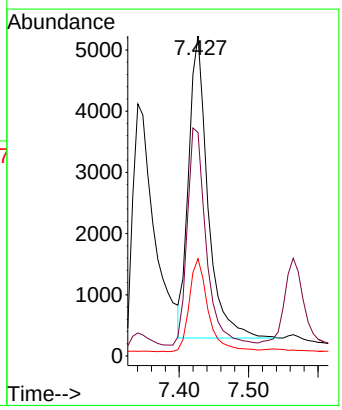


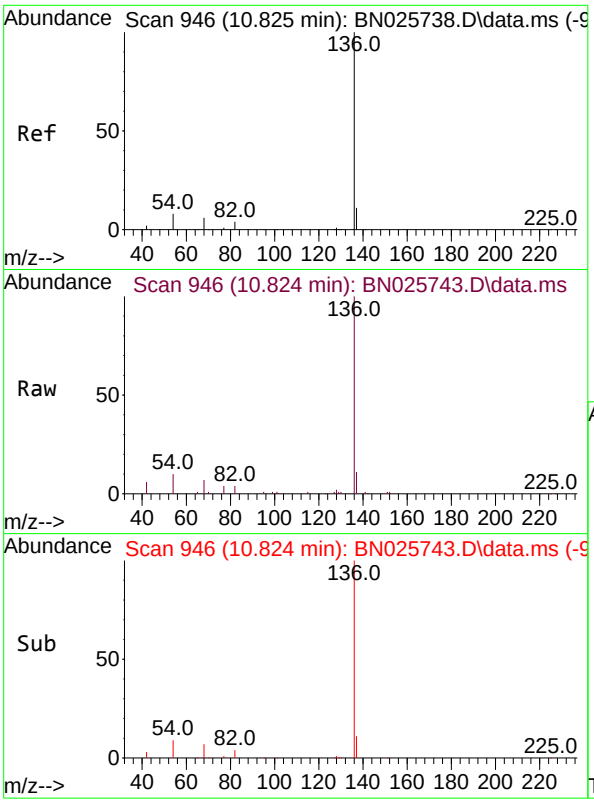


#6
bis(2-Chloroethyl)ether
Concen: 0.428 ng
RT: 7.427 min Scan# 588
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion: 93 Resp: 9509

Ion	Ratio	Lower	Upper
93	100		
63	70.9	56.4	84.6
95	30.2	24.6	37.0



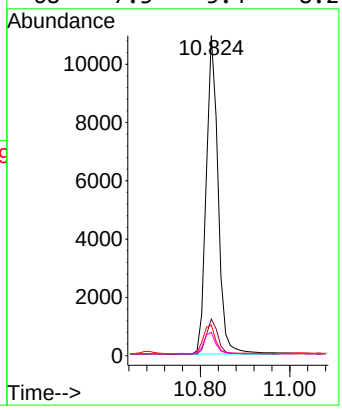


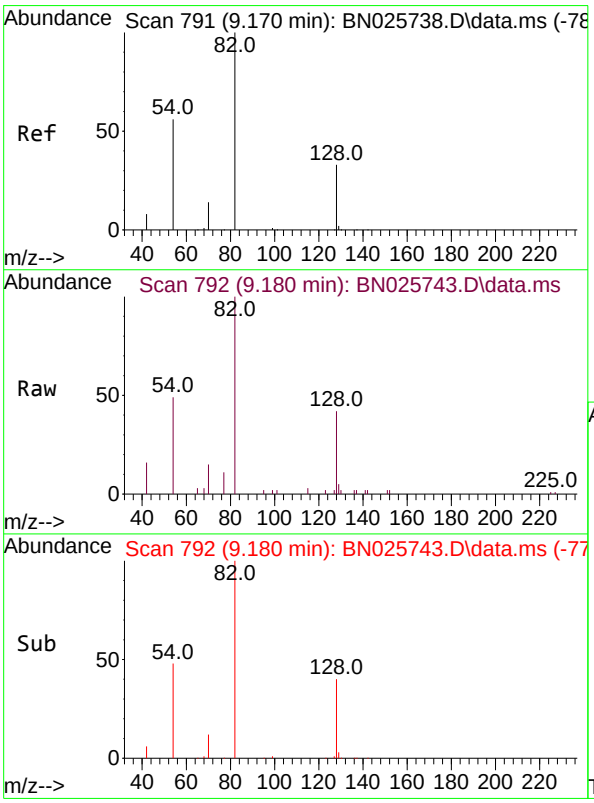
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.824 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:136 Resp: 20017

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	9.6	7.2	10.8
68	7.3	5.4	8.2

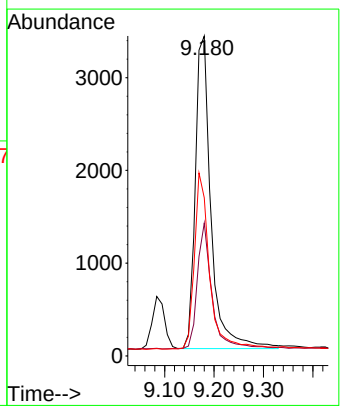


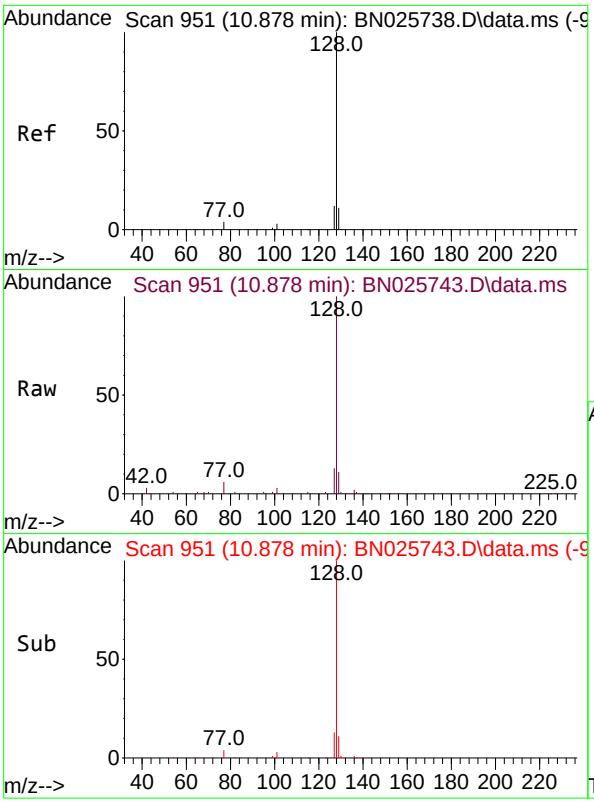


#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 9.180 min Scan# 792
Delta R.T. 0.010 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion: 82 Resp: 7448

Ion	Ratio	Lower	Upper
82	100		
128	41.6	27.6	41.4#
54	49.4	45.7	68.5



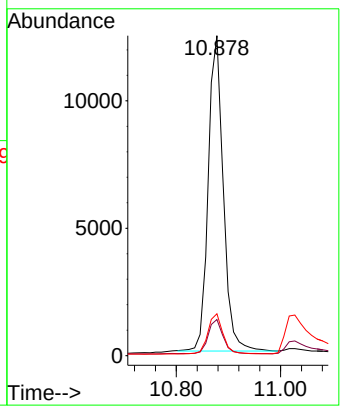


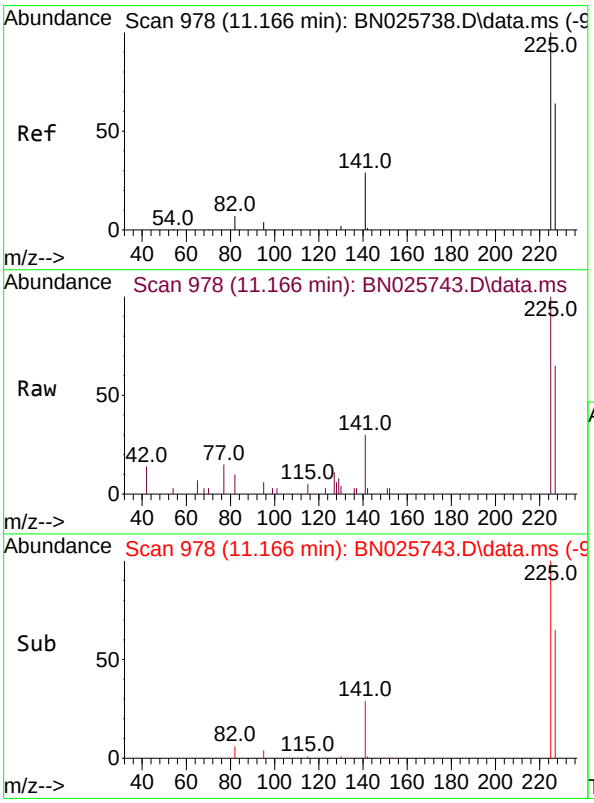
#9
Naphthalene
Concen: 0.413 ng
RT: 10.878 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:128 Resp: 24724

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.1	10.3	15.5

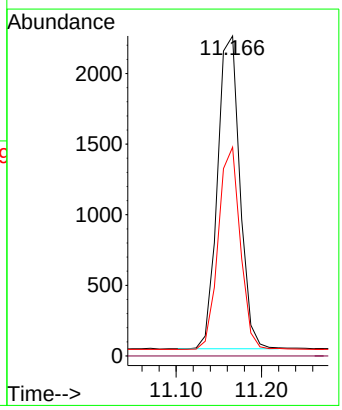


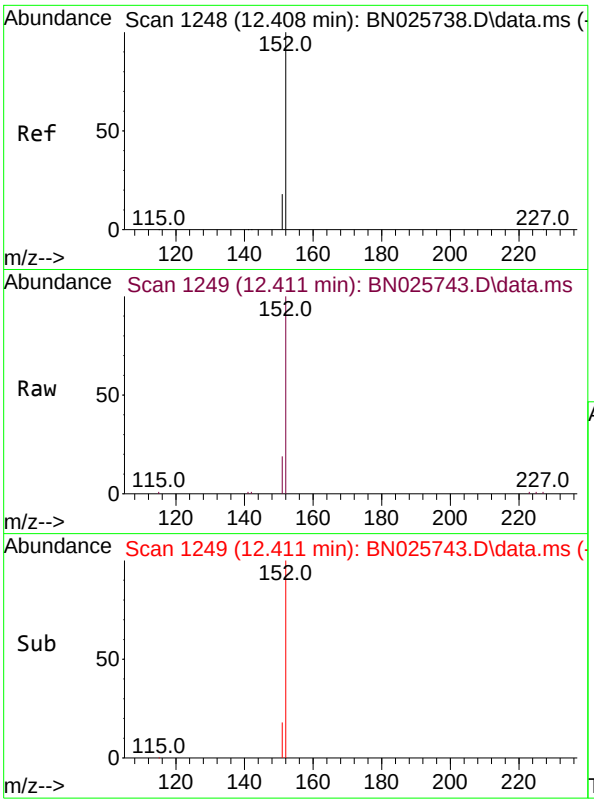


#10
Hexachlorobutadiene
Concen: 0.439 ng
RT: 11.166 min Scan# 978
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:225 Resp: 4039

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	50.4	75.6



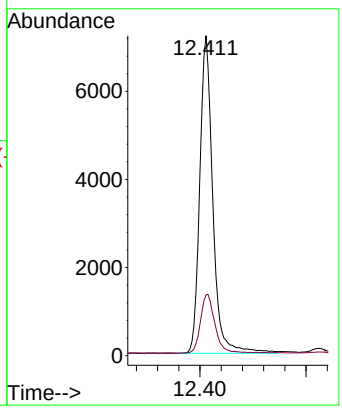


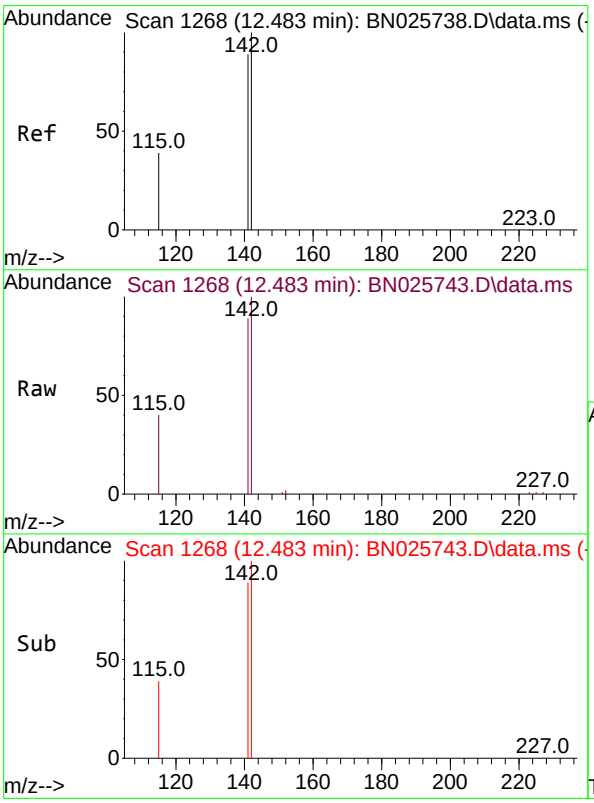
#11
2-Methylnaphthalene-d10
Concen: 0.427 ng
RT: 12.411 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:152 Resp: 12316

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

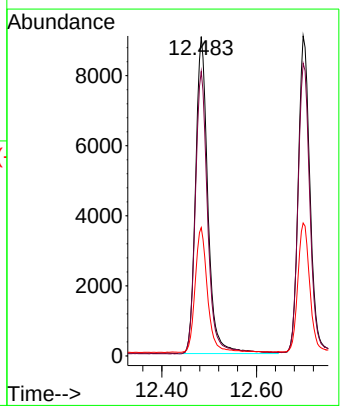


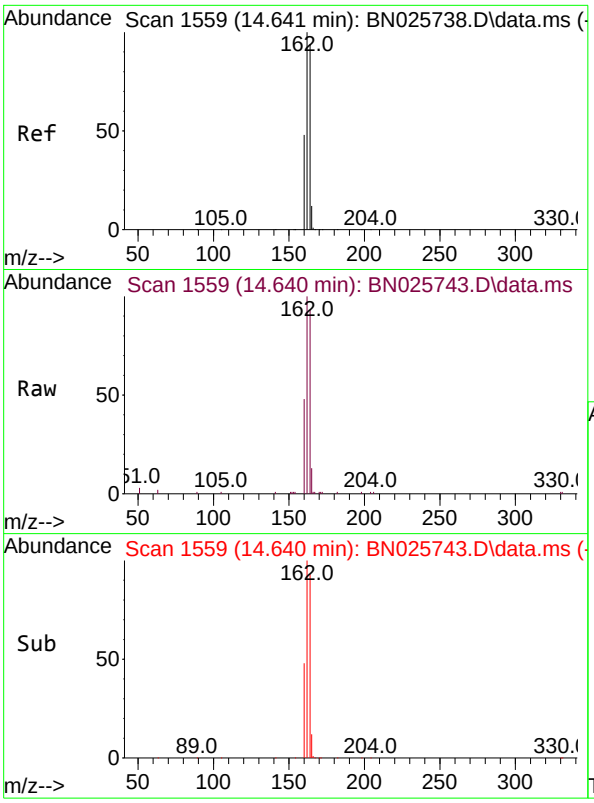


#12
2-Methylnaphthalene
Concen: 0.430 ng
RT: 12.483 min Scan# 1268
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:142 Resp: 16355

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
115	40.2	31.7	47.5



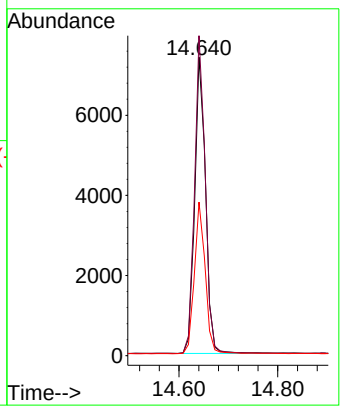


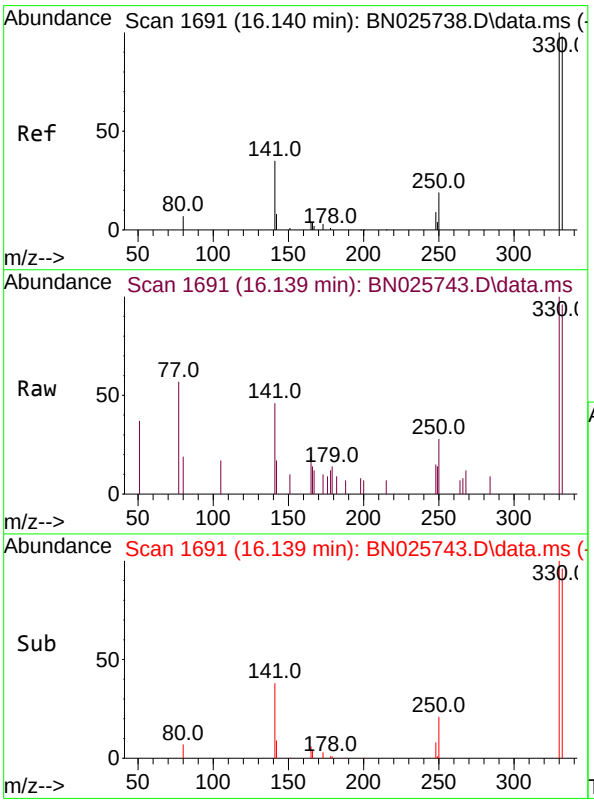
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.640 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:164 Resp: 11296

Ion	Ratio	Lower	Upper
164	100		
162	107.2	85.0	127.6
160	51.5	41.1	61.7

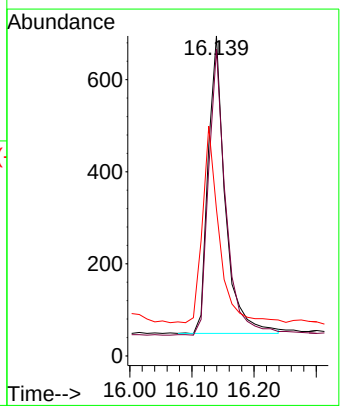


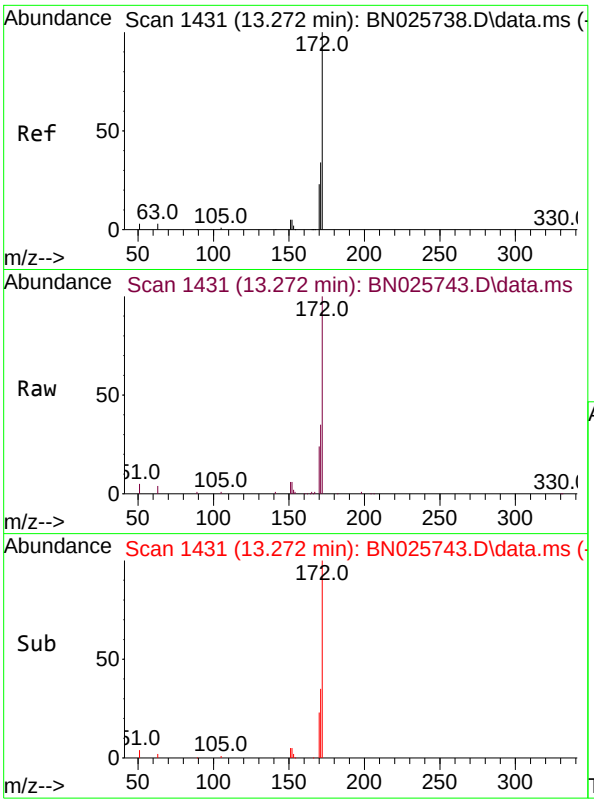


#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 16.139 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:330 Resp: 1231

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	64.3	55.0	82.6



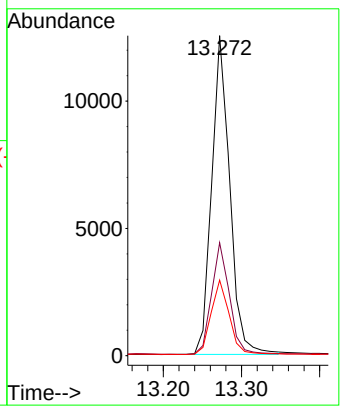


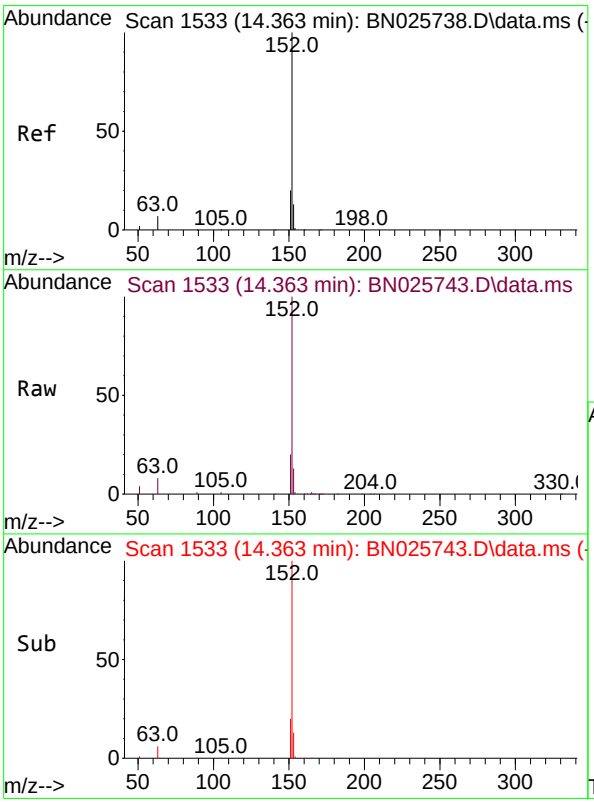
#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 13.272 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:172 Resp: 20092

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.3	40.9
170	23.6	18.6	28.0

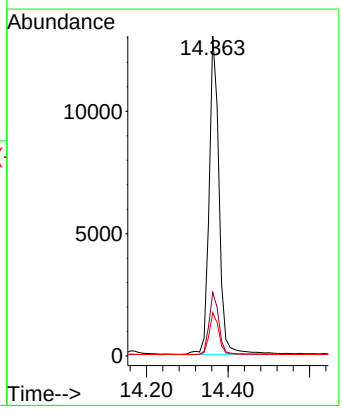


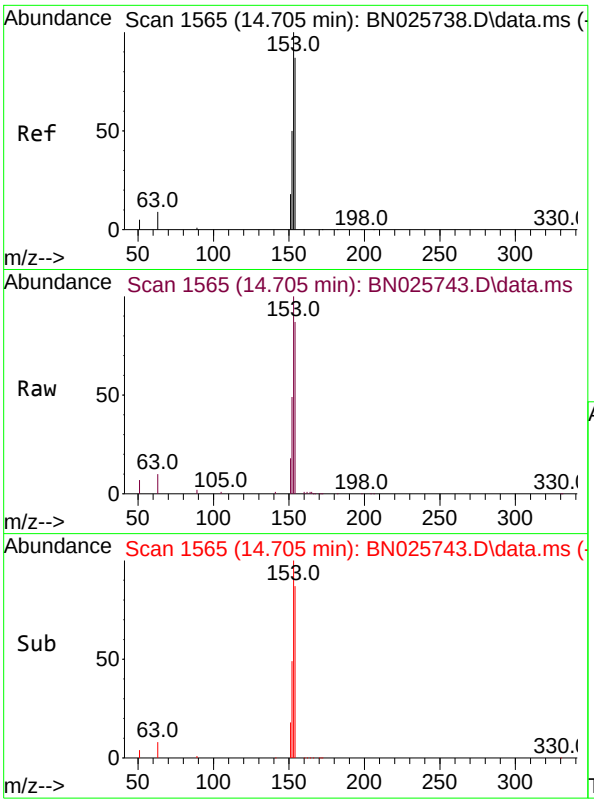


#16
Acenaphthylene
Concen: 0.405 ng
RT: 14.363 min Scan# 1533
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:152 Resp: 22024

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0
153	13.1	10.4	15.6



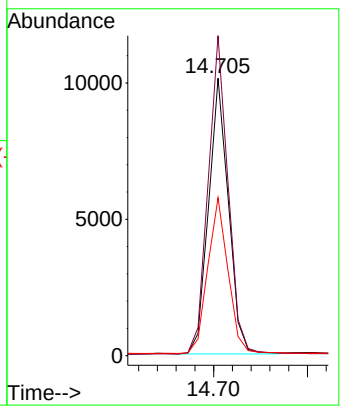


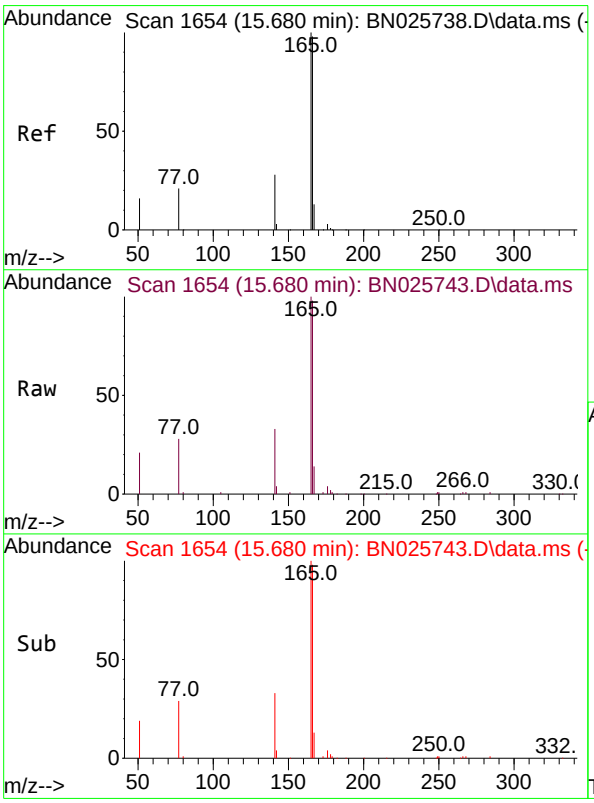
#17
Acenaphthene
Concen: 0.419 ng
RT: 14.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:154 Resp: 14953

Ion	Ratio	Lower	Upper
154	100		
153	115.8	93.0	139.6
152	58.3	46.5	69.7

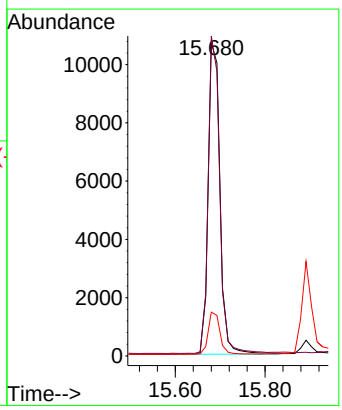


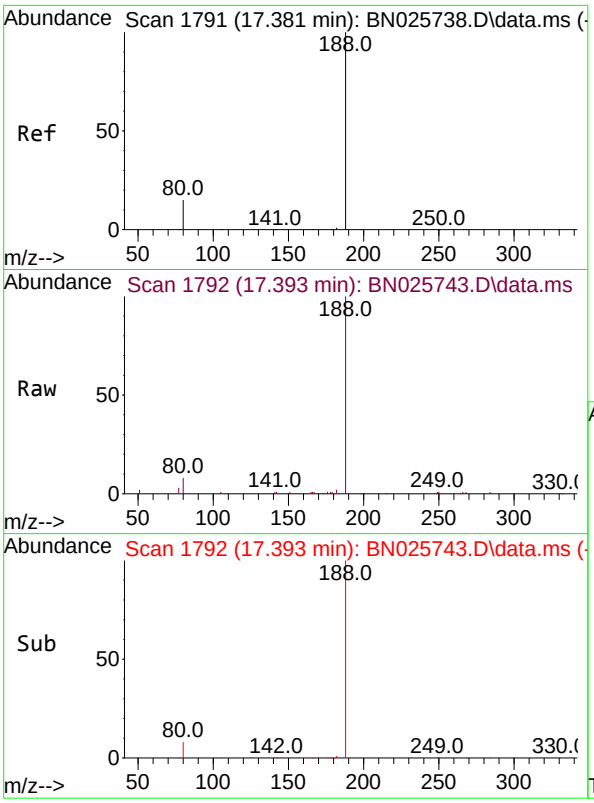


#18
Fluorene
Concen: 0.424 ng
RT: 15.680 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:166 Resp: 19457

Ion	Ratio	Lower	Upper
166	100		
165	99.4	80.1	120.1
167	13.5	10.7	16.1





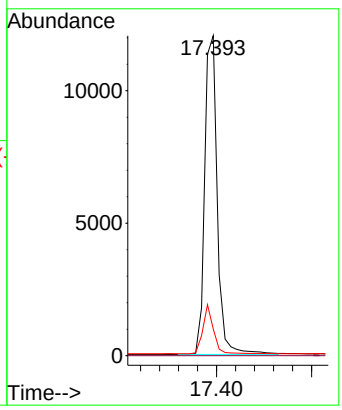
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1

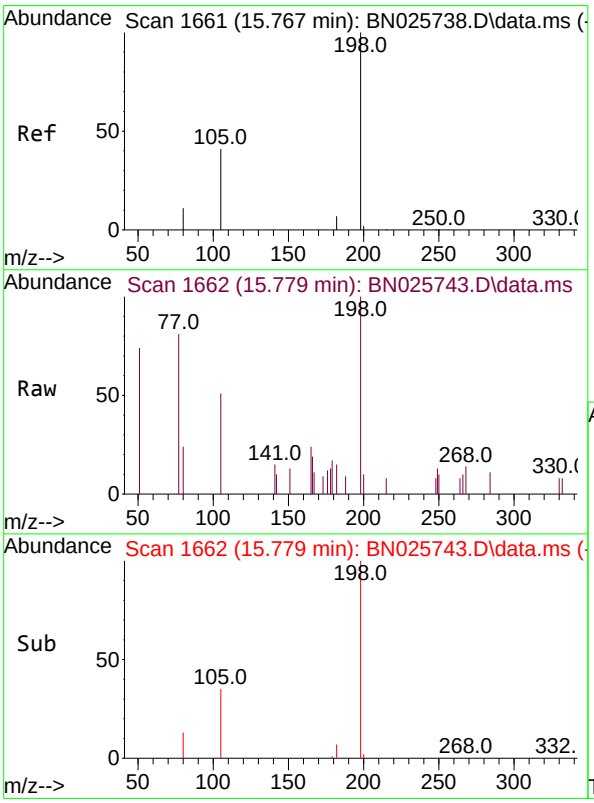
Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Delta R.T. 0.012 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:188 Resp: 22218

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	12.1	18.1#

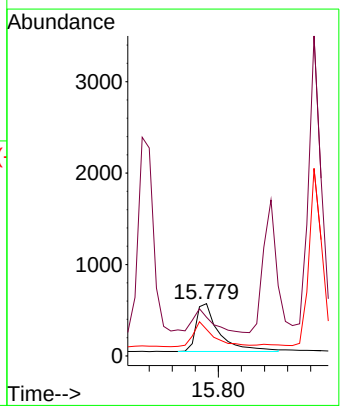


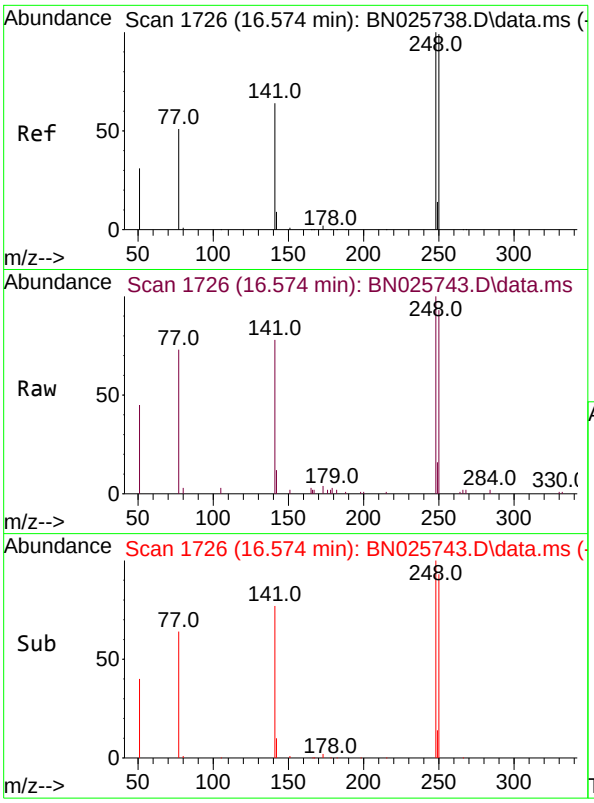


#20
4,6-Dinitro-2-methylphenol
Concen: 0.362 ng
RT: 15.779 min Scan# 1662
Delta R.T. 0.012 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:198 Resp: 1453

Ion	Ratio	Lower	Upper
198	100		
51	74.0	62.7	94.1
105	50.8	42.2	63.4



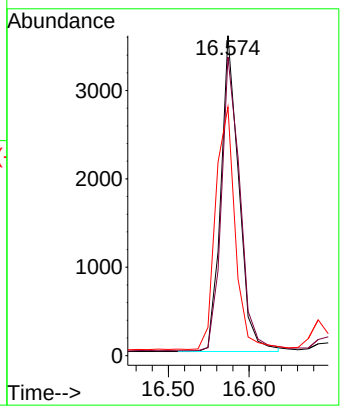


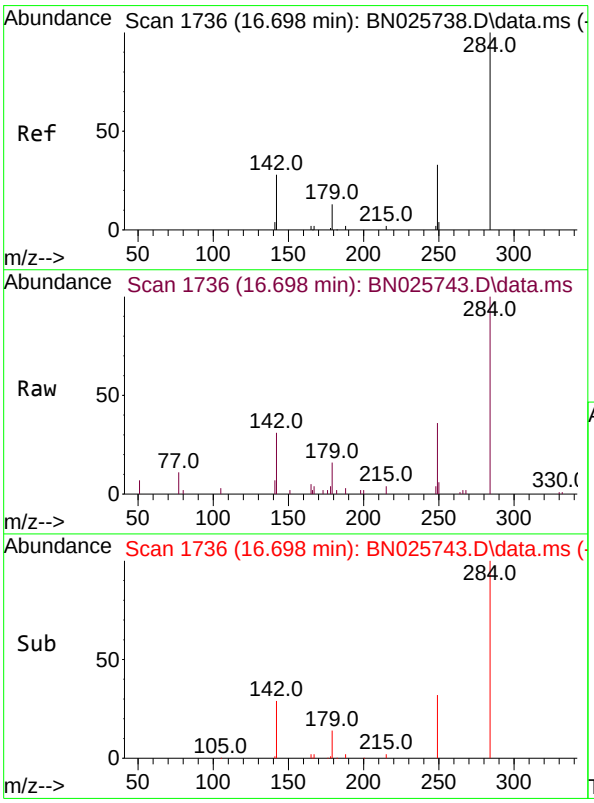
#21
4-Bromophenyl-phenylether
Concen: 0.430 ng
RT: 16.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:248 Resp: 5529

Ion	Ratio	Lower	Upper
248	100		
250	93.3	79.1	118.7
141	77.7	51.9	77.9

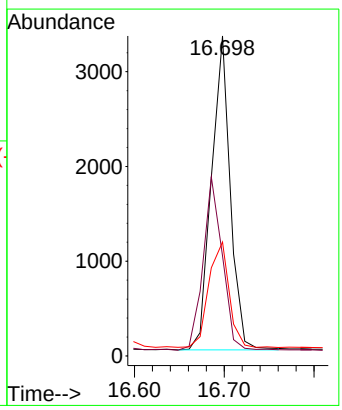


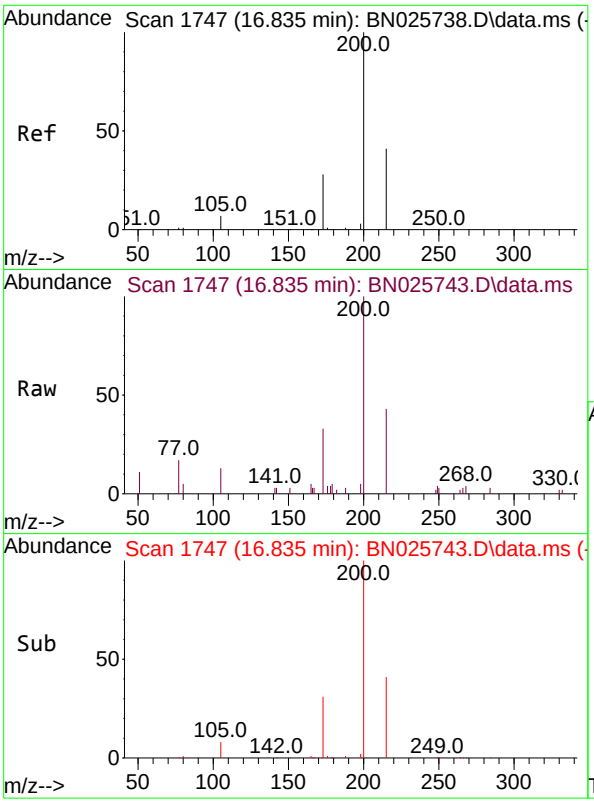


#22
Hexachlorobenzene
Concen: 0.438 ng
RT: 16.698 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:284 Resp: 4824

Ion	Ratio	Lower	Upper
284	100		
142	56.2	45.0	67.4
249	36.4	29.6	44.4



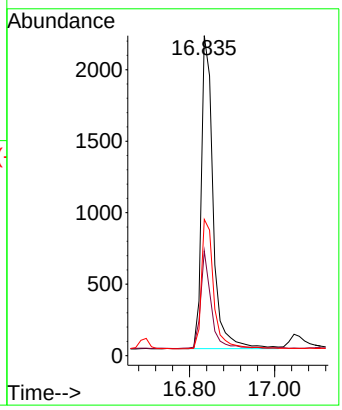


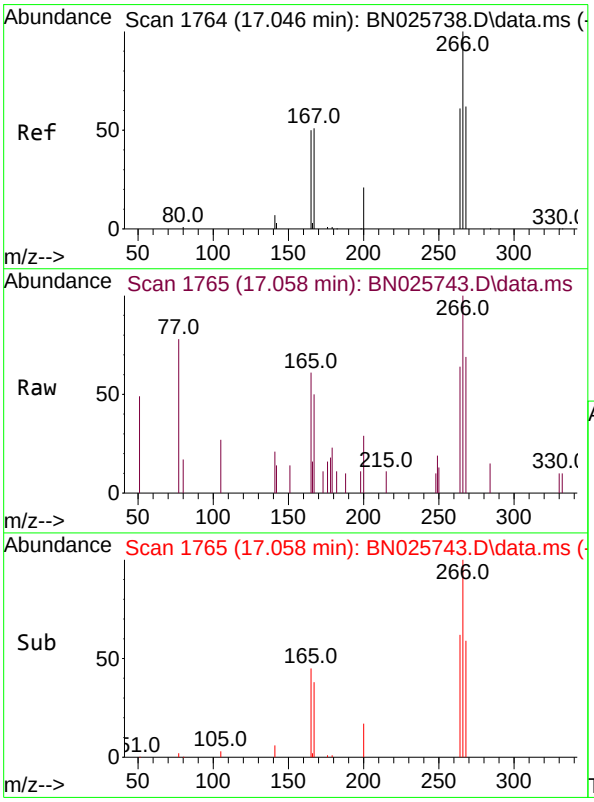
#23
Atrazine
Concen: 0.399 ng
RT: 16.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:200 Resp: 4181

Ion	Ratio	Lower	Upper
200	100		
173	32.8	23.8	35.6
215	42.6	33.8	50.6

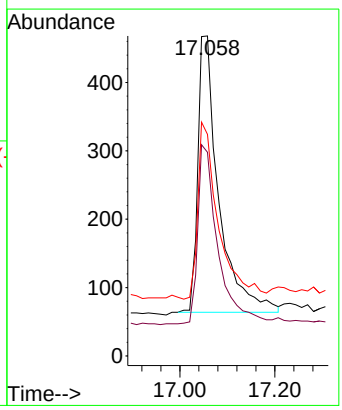


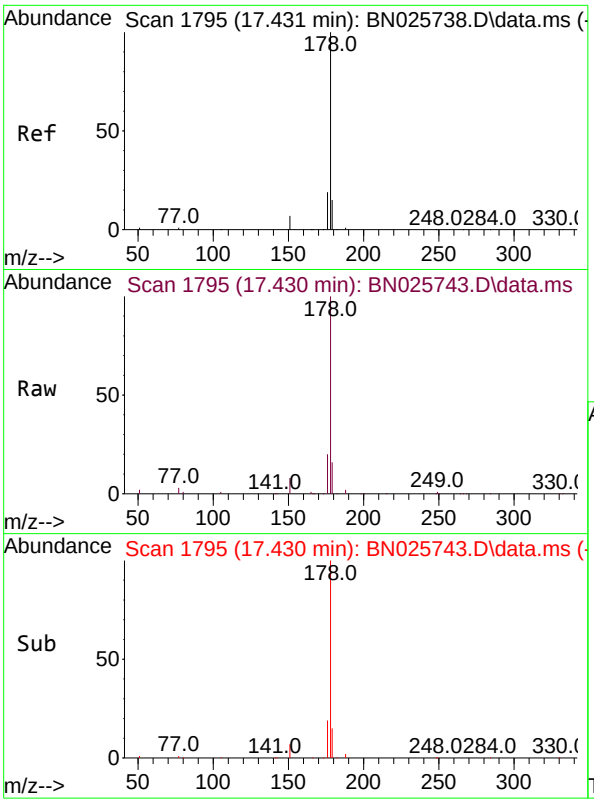


#24
Pentachlorophenol
Concen: 0.301 ng
RT: 17.058 min Scan# 1765
Delta R.T. 0.012 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:266 Resp: 1237

Ion	Ratio	Lower	Upper
266	100		
264	62.3	48.6	73.0
268	63.6	51.8	77.6



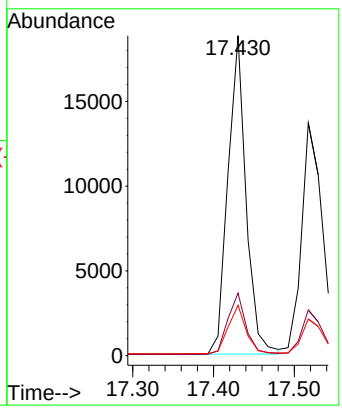


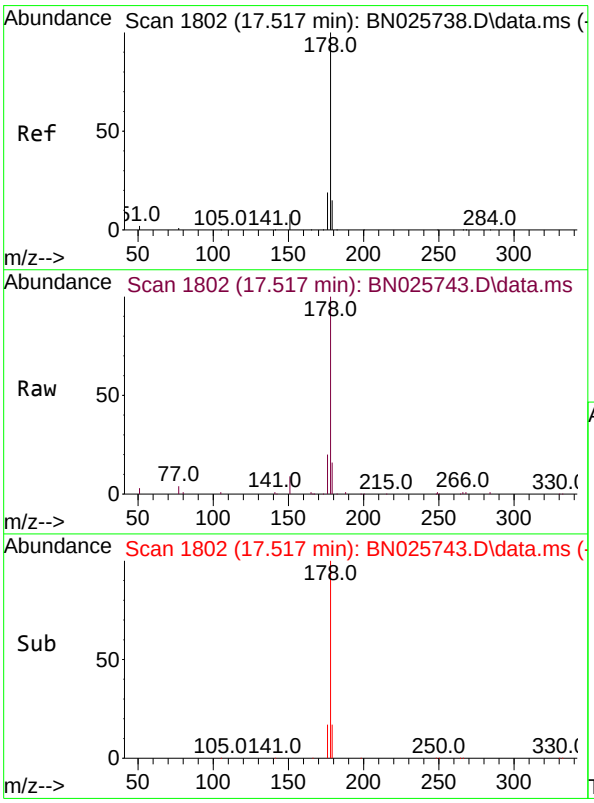
#25
Phenanthrene
Concen: 0.429 ng
RT: 17.430 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:178 Resp: 29269

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.2	18.2

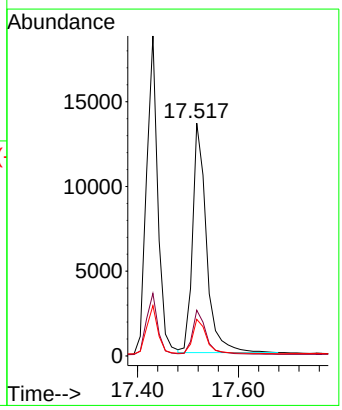


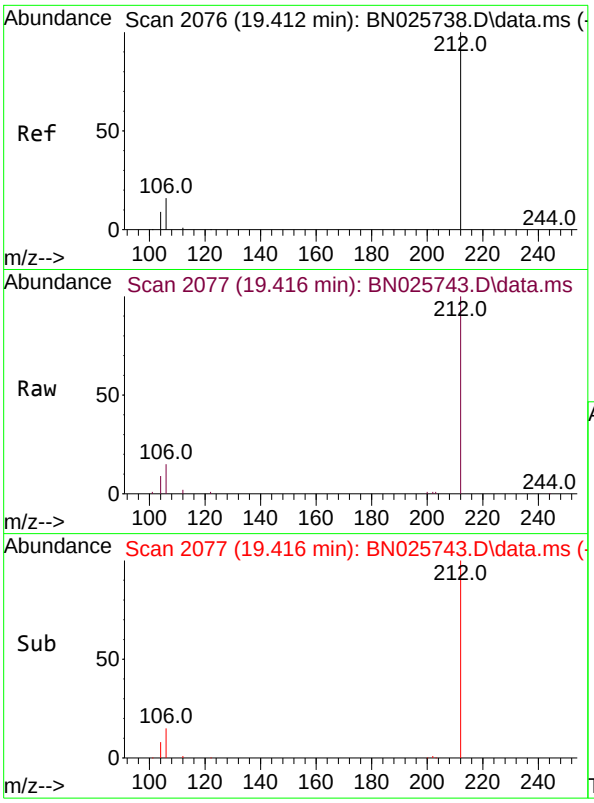


#26
Anthracene
Concen: 0.415 ng
RT: 17.517 min Scan# 1802
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:178 Resp: 25936

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.2	12.2	18.2



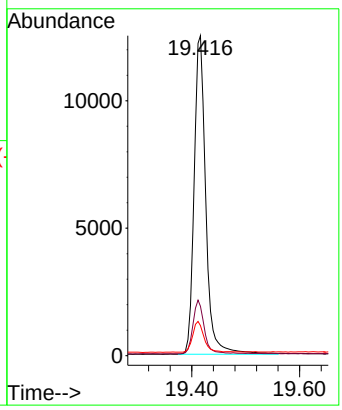


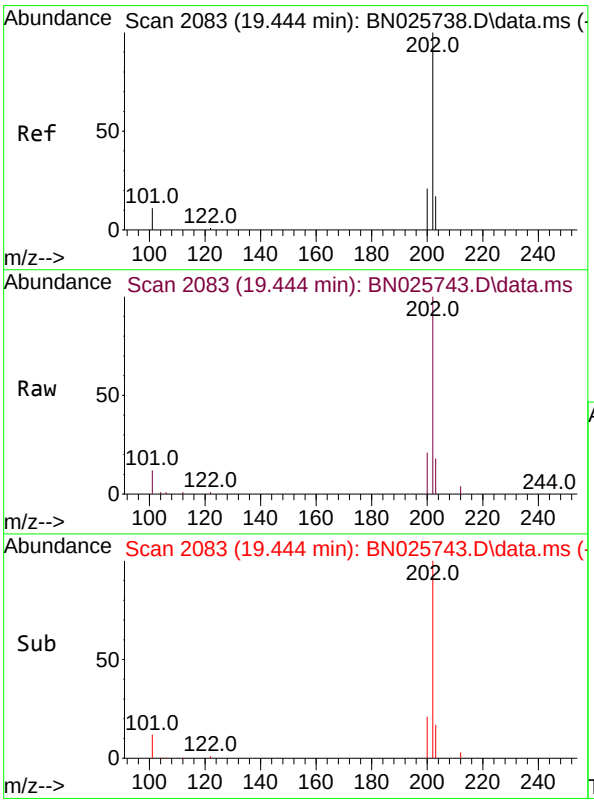
#27
Fluoranthene-d10
Concen: 0.410 ng
RT: 19.416 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:212 Resp: 18733

Ion	Ratio	Lower	Upper
212	100		
106	16.1	13.0	19.6
104	9.5	7.7	11.5

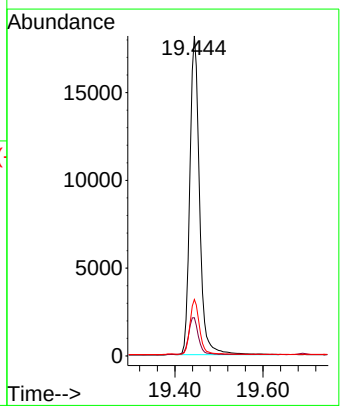


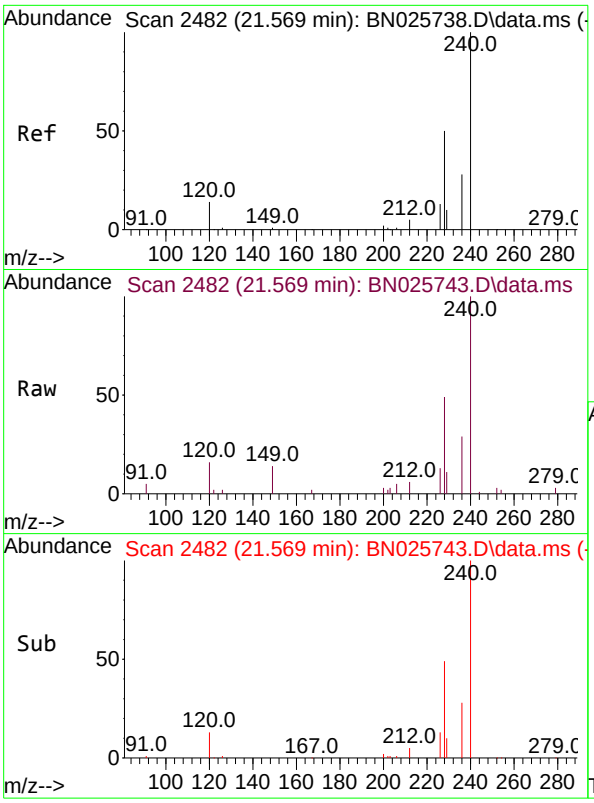


#28
Fluoranthene
Concen: 0.412 ng
RT: 19.444 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:202 Resp: 27765

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.8
203	16.8	13.4	20.2



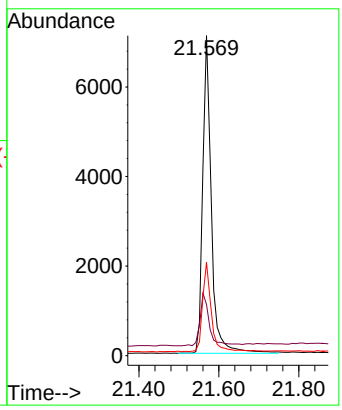


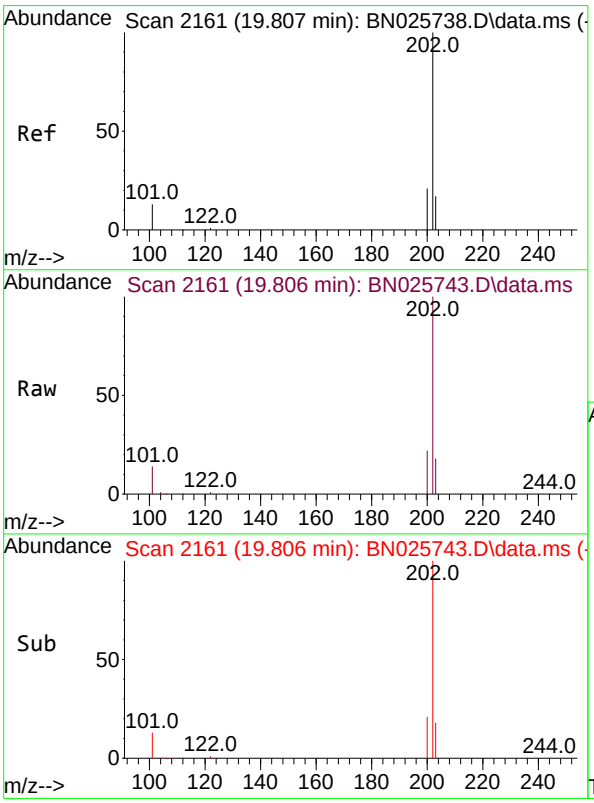
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.569 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:240 Resp: 10651

Ion	Ratio	Lower	Upper
240	100		
120	16.0	13.2	19.8
236	29.2	23.1	34.7

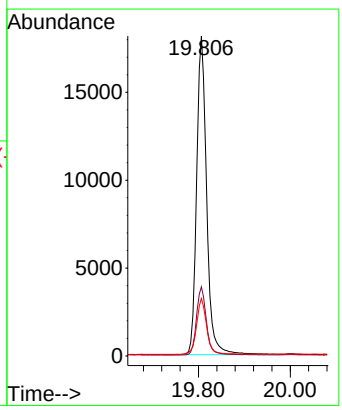


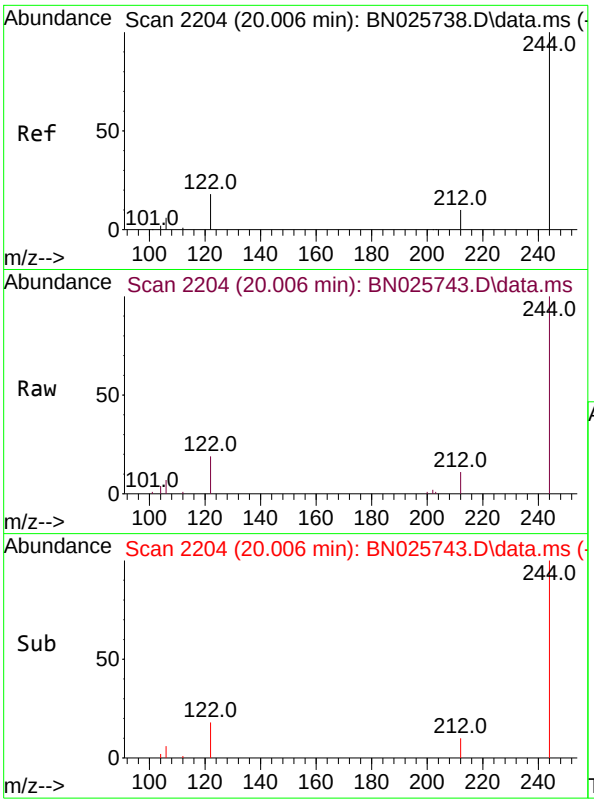


#30
Pyrene
Concen: 0.455 ng
RT: 19.806 min Scan# 2161
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:202 Resp: 27477

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.5	14.2	21.2



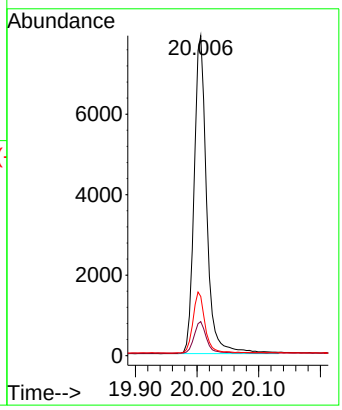


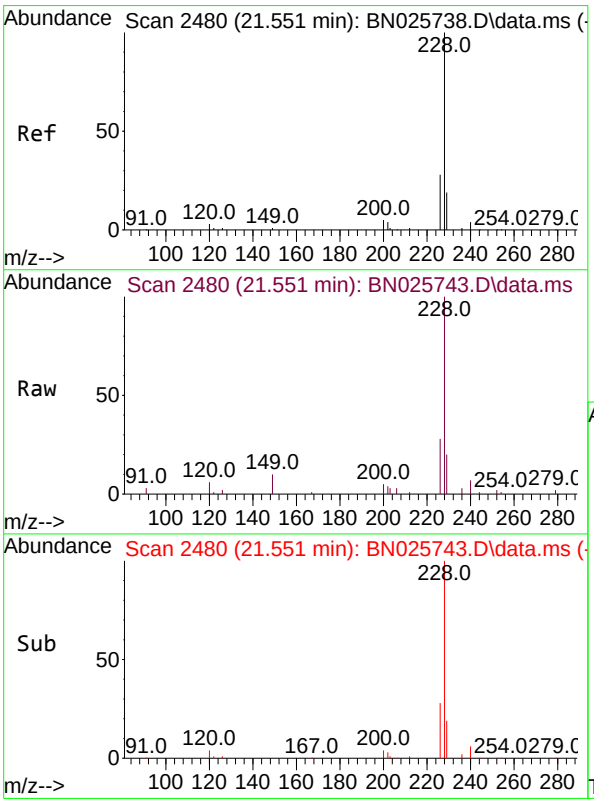
#31
Terphenyl-d14
Concen: 0.434 ng
RT: 20.006 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:244 Resp: 11210

Ion	Ratio	Lower	Upper
244	100		
212	10.7	8.6	12.8
122	18.5	15.2	22.8

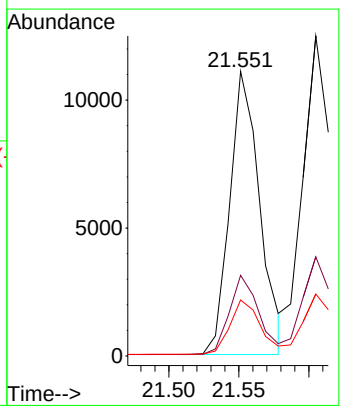


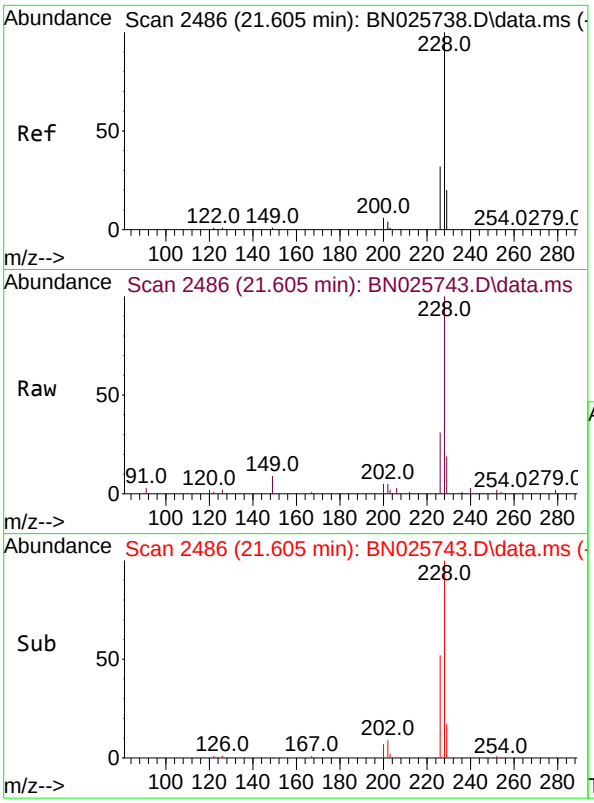


#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.551 min Scan# 2480
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:228 Resp: 16528

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.9	34.3
229	19.7	15.6	23.4



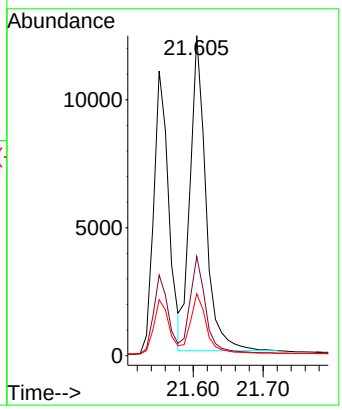


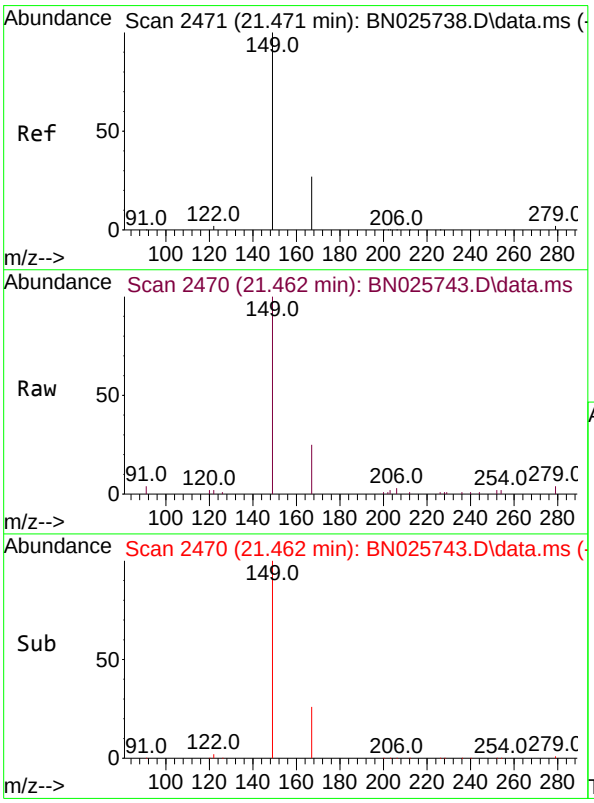
#33
Chrysene
Concen: 0.441 ng
RT: 21.605 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:228 Resp: 19198

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.2
229	19.4	16.1	24.1

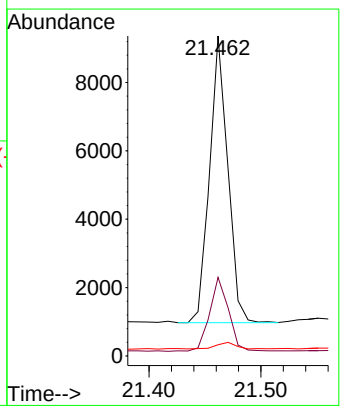


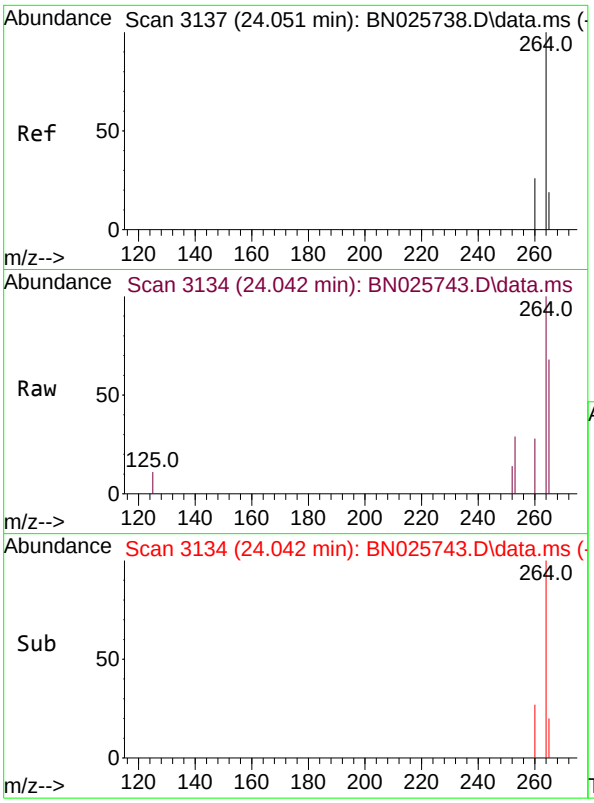


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.388 ng
RT: 21.462 min Scan# 2470
Delta R.T. -0.009 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:149 Resp: 9491

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.0	31.6
279	2.3	2.2	3.4



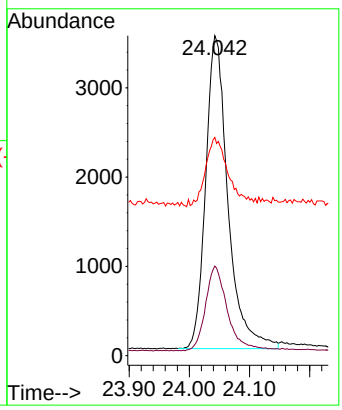


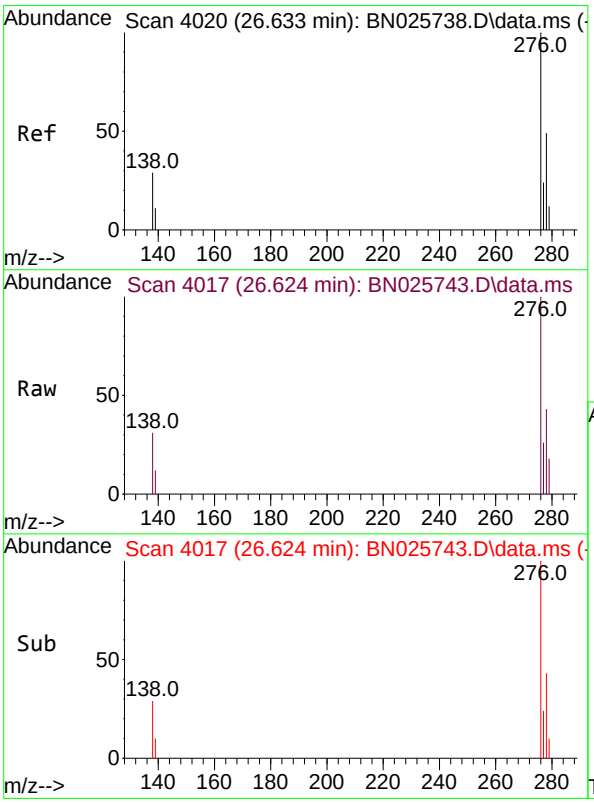
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.042 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:264 Resp: 9003

Ion	Ratio	Lower	Upper
264	100		
260	28.0	21.4	32.2
265	68.2	44.7	67.1#

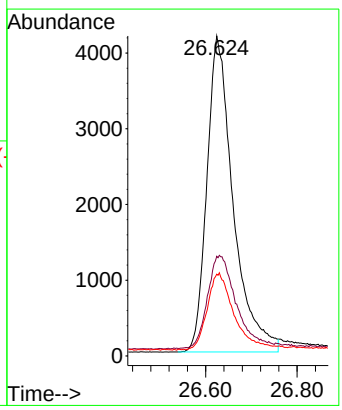


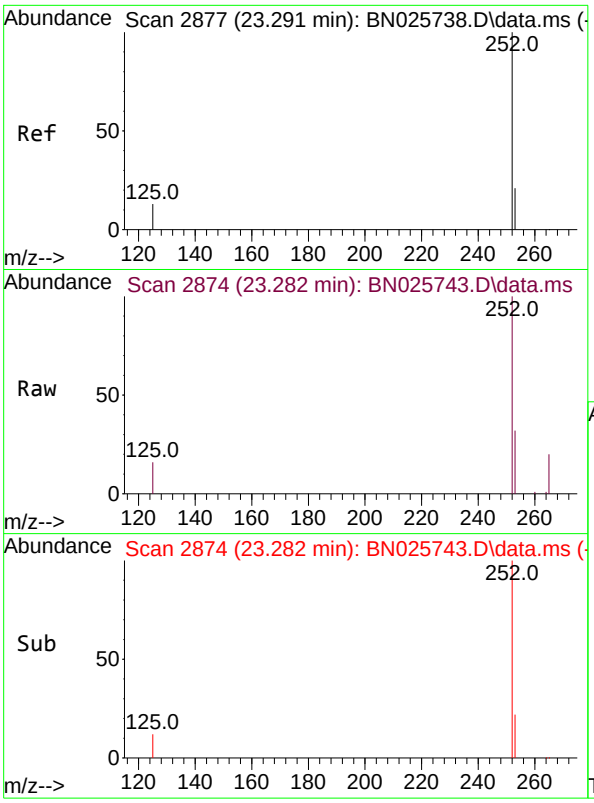


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.428 ng
RT: 26.624 min Scan# 4017
Delta R.T. -0.009 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:276 Resp: 16663

Ion	Ratio	Lower	Upper
276	100		
138	32.1	26.1	39.1
277	24.5	19.4	29.2



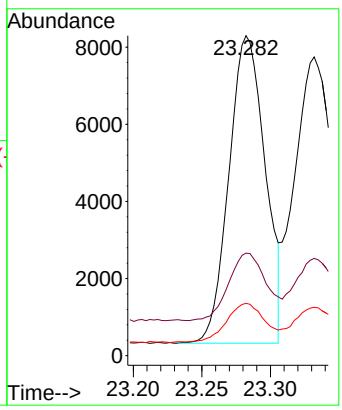


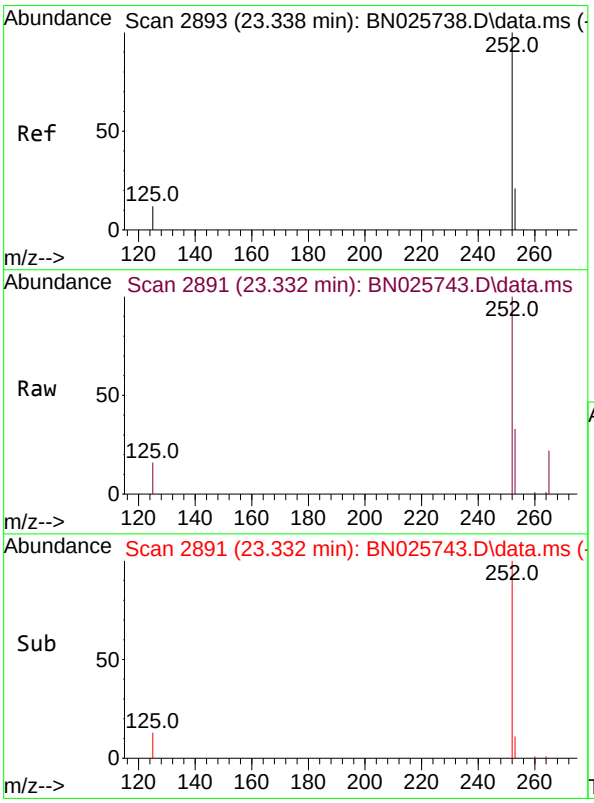
#37
Benzo(b)fluoranthene
Concen: 0.413 ng
RT: 23.282 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:252 Resp: 14649

Ion	Ratio	Lower	Upper
252	100		
253	32.0	23.4	35.0
125	16.3	12.3	18.5

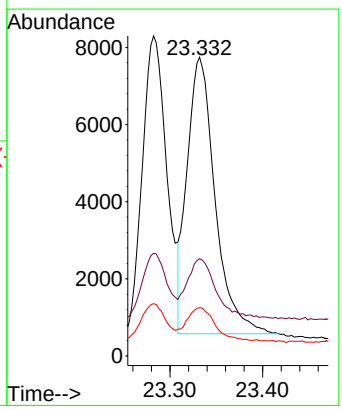


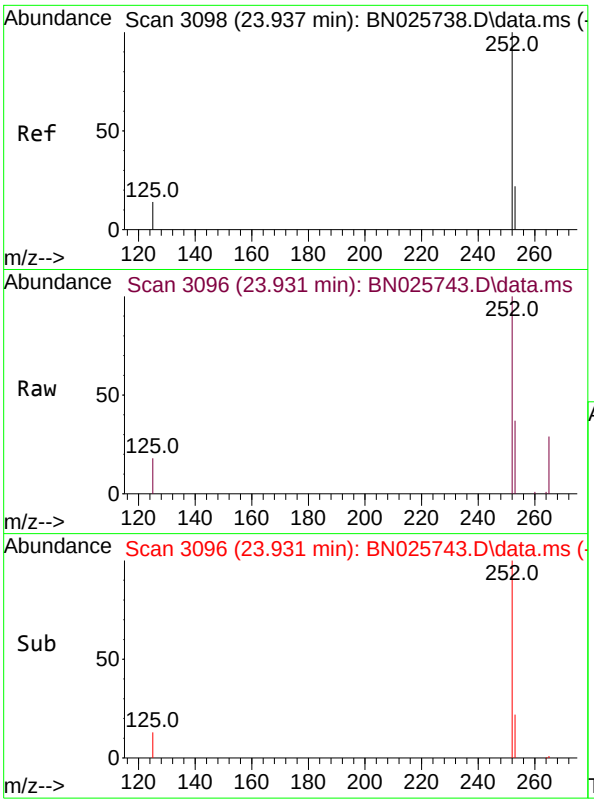


#38
Benzo(k)fluoranthene
Concen: 0.416 ng
RT: 23.332 min Scan# 2891
Delta R.T. -0.006 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:252 Resp: 15075

Ion	Ratio	Lower	Upper
252	100		
253	32.6	24.2	36.4
125	16.2	12.2	18.2



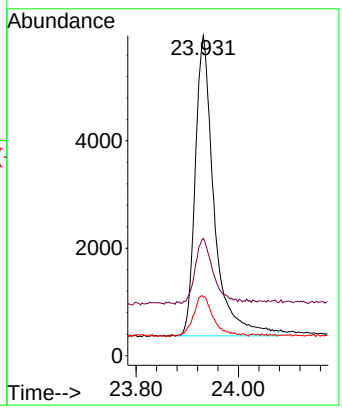


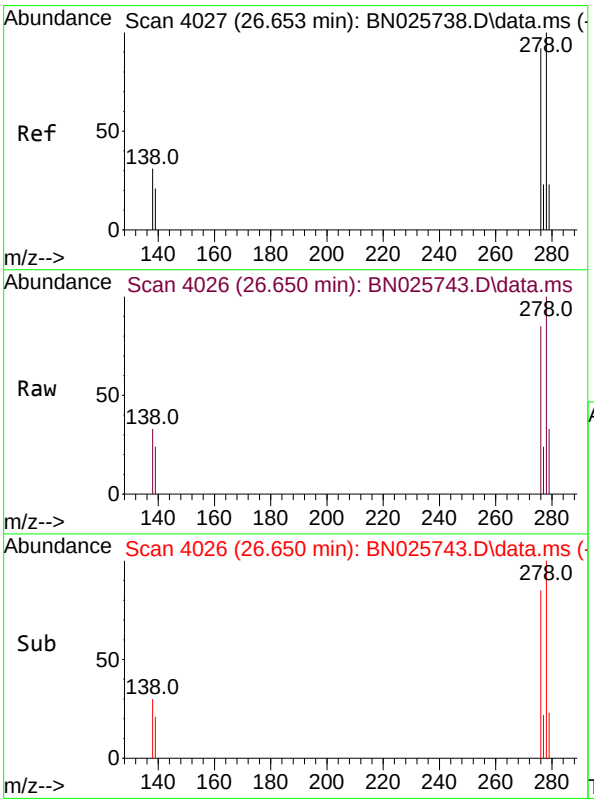
#39
Benzo(a)pyrene
Concen: 0.425 ng
RT: 23.931 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:252 Resp: 14310

Ion	Ratio	Lower	Upper
252	100		
253	36.7	27.5	41.3
125	18.4	14.6	21.8

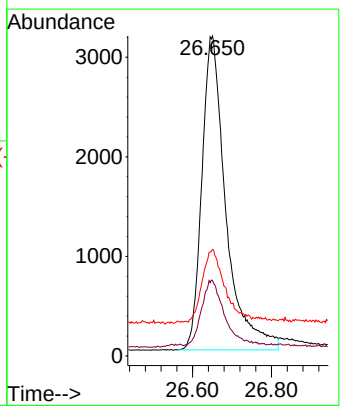


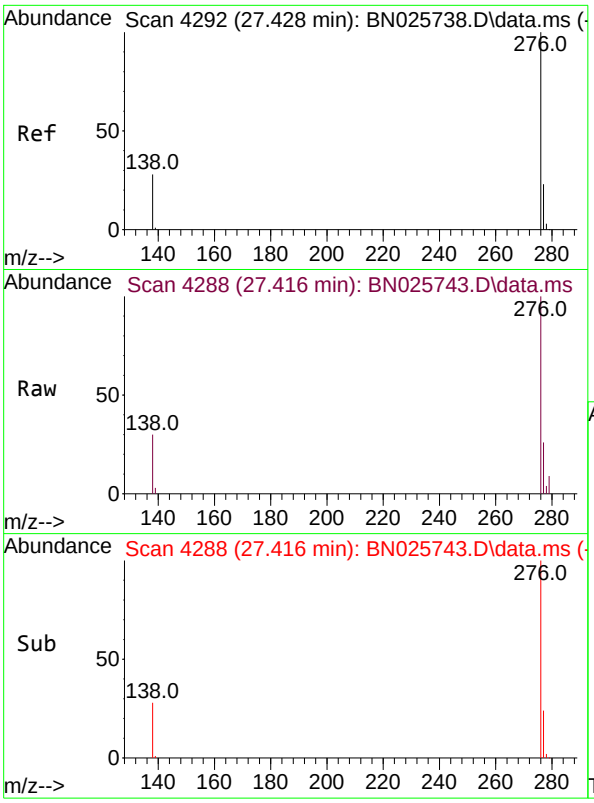


#40
Dibenzo(a,h)anthracene
Concen: 0.428 ng
RT: 26.650 min Scan# 4026
Delta R.T. -0.003 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Tgt Ion:278 Resp: 13378

Ion	Ratio	Lower	Upper
278	100		
139	23.7	18.7	28.1
279	33.3	25.1	37.7





#41
Benzo(g,h,i)perylene
Concen: 0.441 ng
RT: 27.416 min Scan# 4
Delta R.T. -0.012 min
Lab File: BN025743.D
Acq: 31 May 2023 16:56

Instrument :
BNA_N
ClientSampleId :
ICVBN053123

Tgt Ion:276 Resp: 15405

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.2	30.2
138	29.9	24.2	36.4