Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051923\
Data File : BN025488.D
Acq On : 19 May 2023 14:32
Operator : CG/JU
Sample : PB152856BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Quant Time: May 20 00:21:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 02:17:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	4810	0.400	ng	0.00
7) Naphthalene-d8	10.899	136	13786	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	8316	0.400	ng	0.00
19) Phenanthrene-d10	17.447	188	18828	0.400	ng	0.00
29) Chrysene-d12	21.629	240	13916	0.400	ng	# 0.00
35) Perylene-d12	24.142	264	13403	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.607	112	4581	0.422	ng	0.00
5) Phenol-d6	7.218	99	5800	0.416	ng	0.00
8) Nitrobenzene-d5	9.234	82	4471	0.406	ng	0.00
11) 2-Methylnaphthalene-d10	12.475	152	7711	0.402	ng	0.00
14) 2,4,6-Tribromophenol	16.194	330	1372	0.423	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	13428	0.422	ng	0.00
27) Fluoranthene-d10	19.468	212	16441	0.378	ng	0.00
31) Terphenyl-d14	20.062	244	11613	0.469	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.448	88	2089	0.426	ng	99
3) n-Nitrosodimethylamine	3.787	42	1940	0.359	ng	97
6) bis(2-Chloroethyl)ether	7.485	93	5786	0.427	ng	98
9) Naphthalene	10.942	128	14393	0.410	ng	99
10) Hexachlorobutadiene	11.230	225	2720	0.408	ng	# 100
12) 2-Methylnaphthalene	12.547	142	10308	0.406	ng	99
16) Acenaphthylene	14.427	152	15058	0.397	ng	99
17) Acenaphthene	14.769	154	10156	0.405	ng	97
18) Fluorene	15.747	166	12979	0.419	ng	97
20) 4,6-Dinitro-2-methylph...	15.809	198	1497	0.382	ng	96
21) 4-Bromophenyl-phenylether	16.640	248	4408	0.398	ng	96
22) Hexachlorobenzene	16.752	284	4255	0.411	ng	99
23) Atrazine	16.901	200	3335	0.370	ng	98
24) Pentachlorophenol	17.100	266	1699	0.325	ng	98
25) Phenanthrene	17.484	178	21785	0.395	ng	99
26) Anthracene	17.571	178	20081	0.389	ng	99
28) Fluoranthene	19.498	202	24102	0.384	ng	100
30) Pyrene	19.861	202	24194	0.436	ng	100
32) Benzo(a)anthracene	21.620	228	20746	0.412	ng	99
33) Chrysene	21.674	228	21294	0.426	ng	99
34) Bis(2-ethylhexyl)phtha...	21.540	149	11147	0.376	ng	100
36) Indeno(1,2,3-cd)pyrene	26.767	276	20661	0.381	ng	100
37) Benzo(b)fluoranthene	23.370	252	20069	0.403	ng	97
38) Benzo(k)fluoranthene	23.420	252	20570	0.405	ng	98
39) Benzo(a)pyrene	24.028	252	17972	0.384	ng	96
40) Dibenzo(a,h)anthracene	26.794	278	16833	0.387	ng	96
41) Benzo(g,h,i)perylene	27.577	276	17047	0.372	ng	99

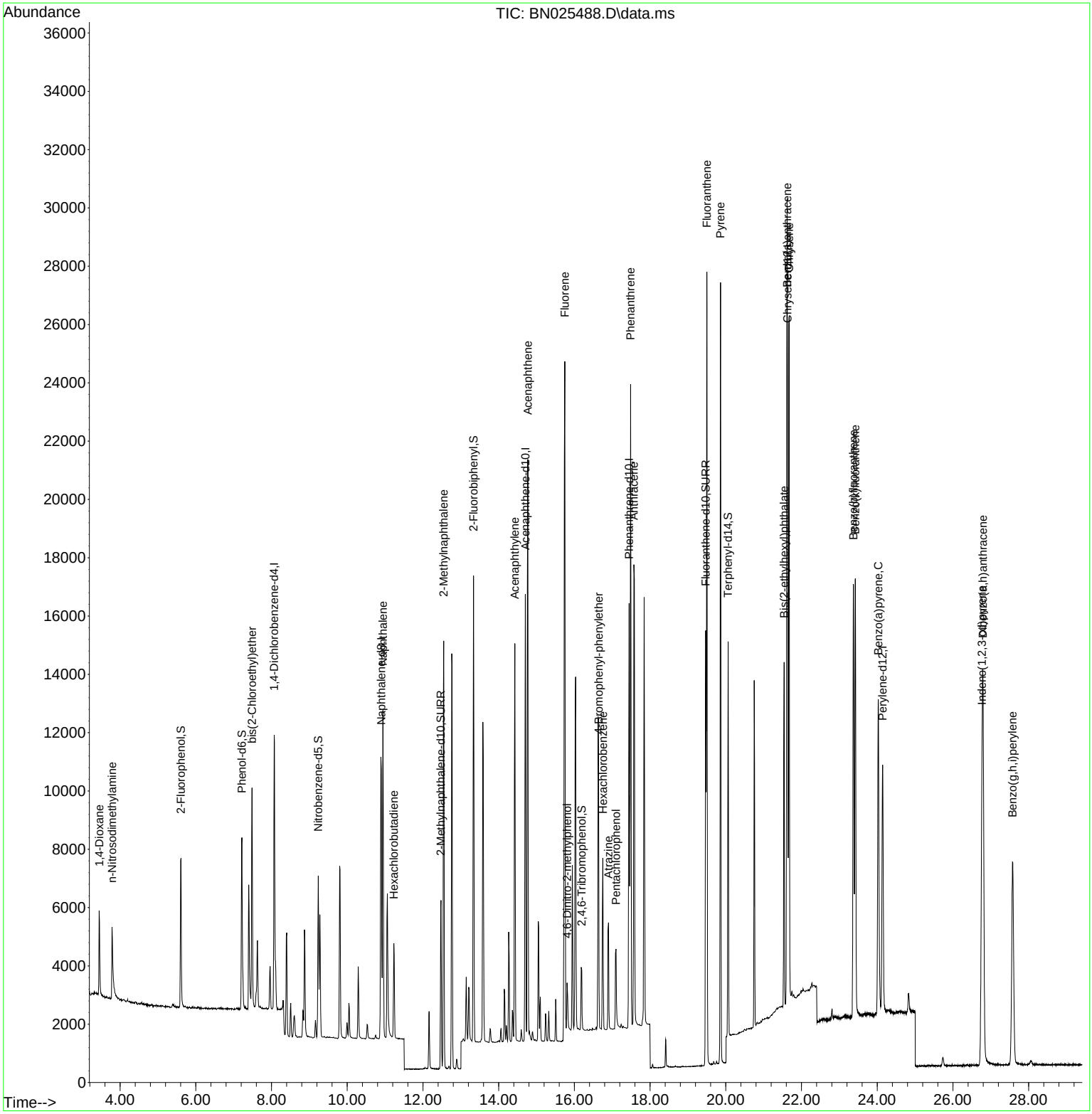
(#) = qualifier out of range (m) = manual integration (+) = signals summed

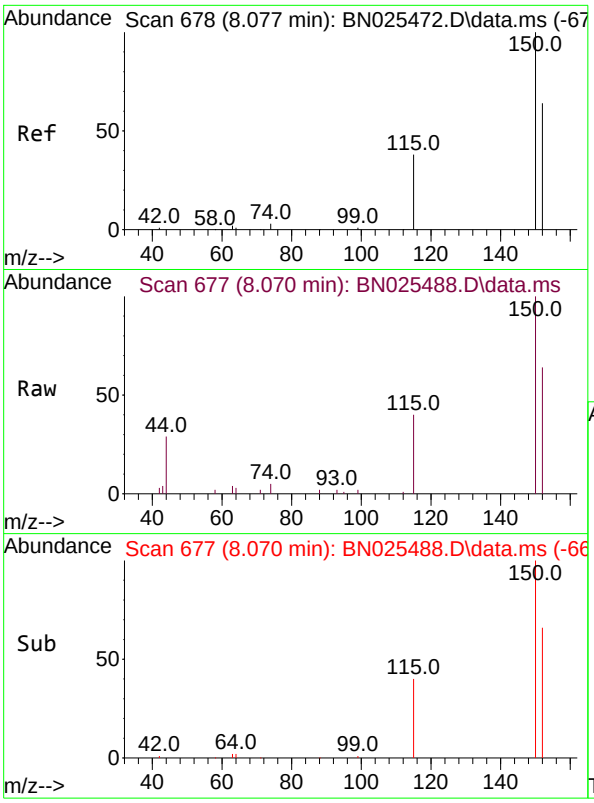
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051923\
Data File : BN025488.D
Acq On : 19 May 2023 14:32
Operator : CG/JU
Sample : PB152856BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Quant Time: May 20 00:21:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 02:17:42 2023
Response via : Initial Calibration



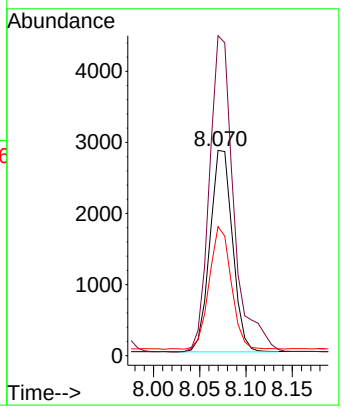


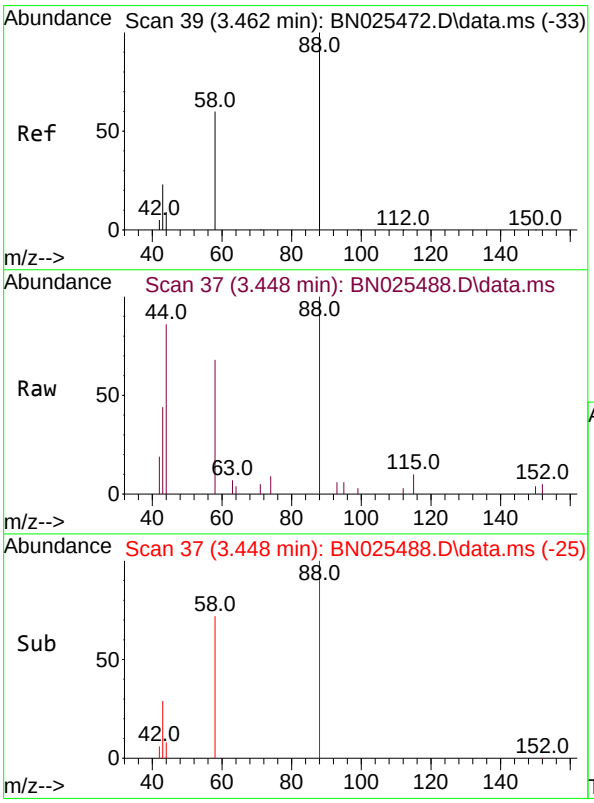
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.070 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:152 Resp: 4810

Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.3	187.9
115	62.9	50.2	75.2

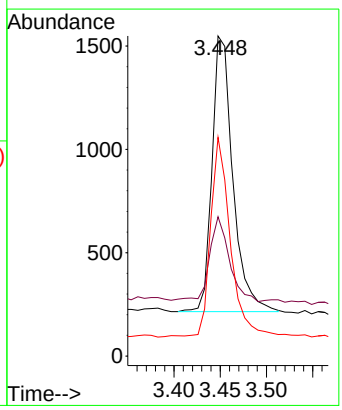


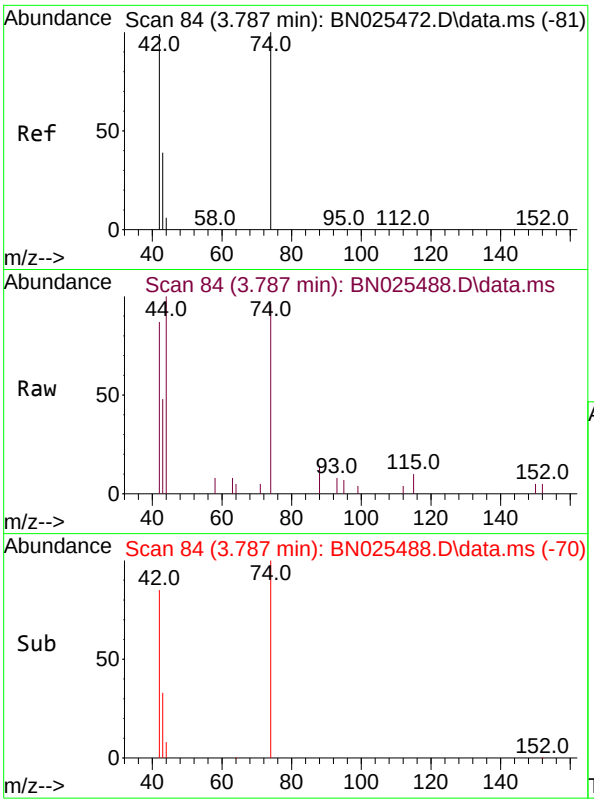


#2
1,4-Dioxane
Concen: 0.426 ng
RT: 3.448 min Scan# 37
Delta R.T. -0.014 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion: 88 Resp: 2089

Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.8	35.6
58	69.0	55.1	82.7



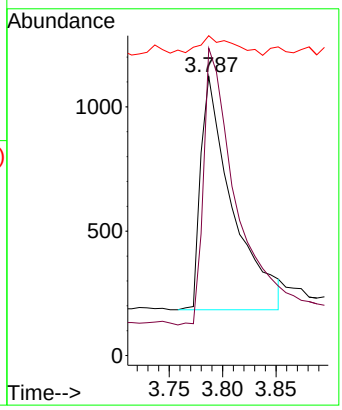


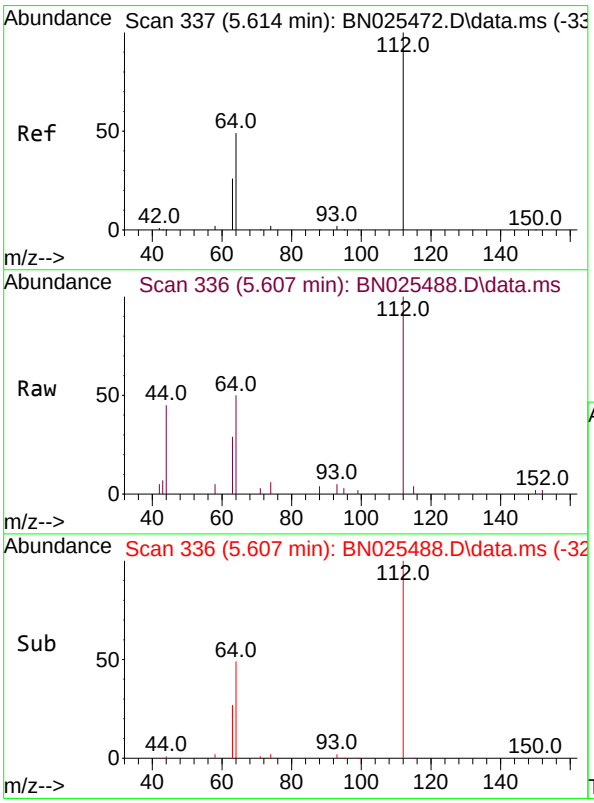
#3
n-Nitrosodimethylamine
Concen: 0.359 ng
RT: 3.787 min Scan# 84
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion: 42 Resp: 1940

Ion	Ratio	Lower	Upper
42	100		
74	122.2	100.2	150.4
44	9.4	8.6	12.8

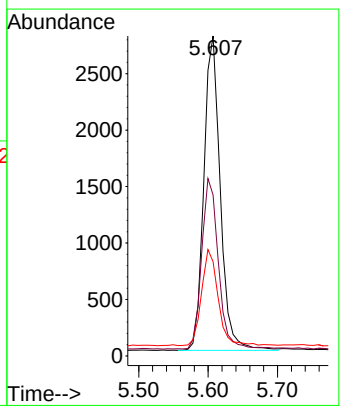


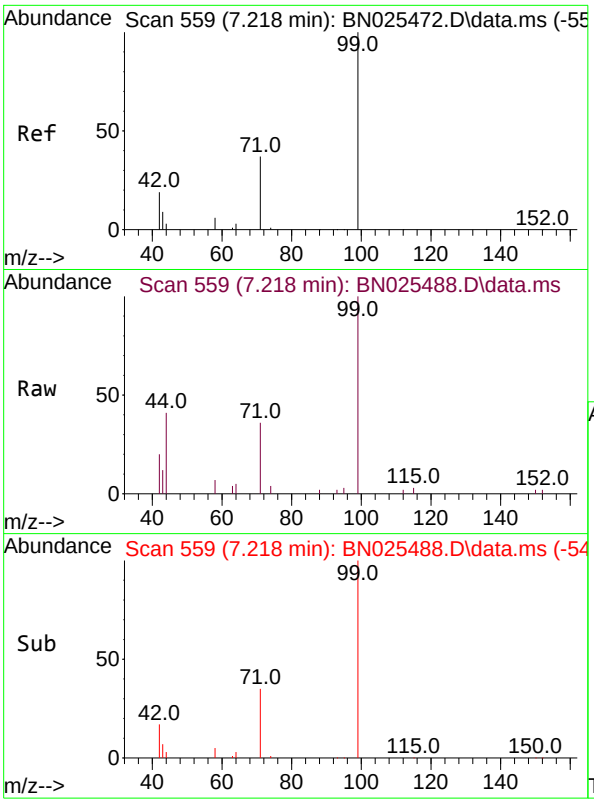


#4
2-Fluorophenol
Concen: 0.422 ng
RT: 5.607 min Scan# 336
Delta R.T. -0.007 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:112 Resp: 4581

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.0	66.0
63	30.8	24.0	36.0



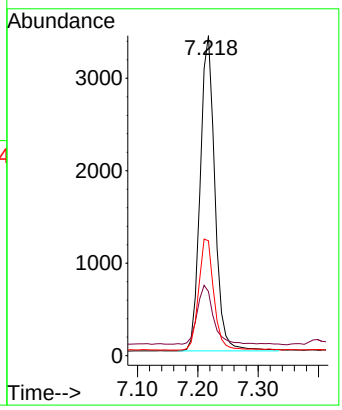


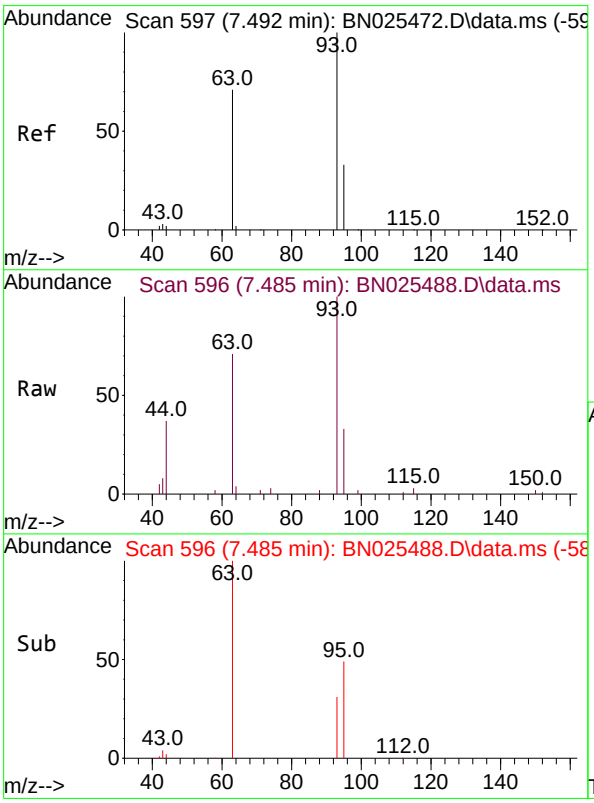
#5
Phenol-d6
Concen: 0.416 ng
RT: 7.218 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion: 99 Resp: 5800

Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.8	23.8
71	36.6	28.6	43.0

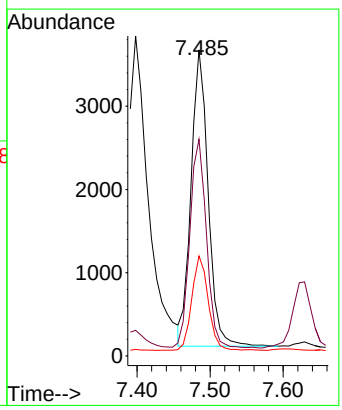


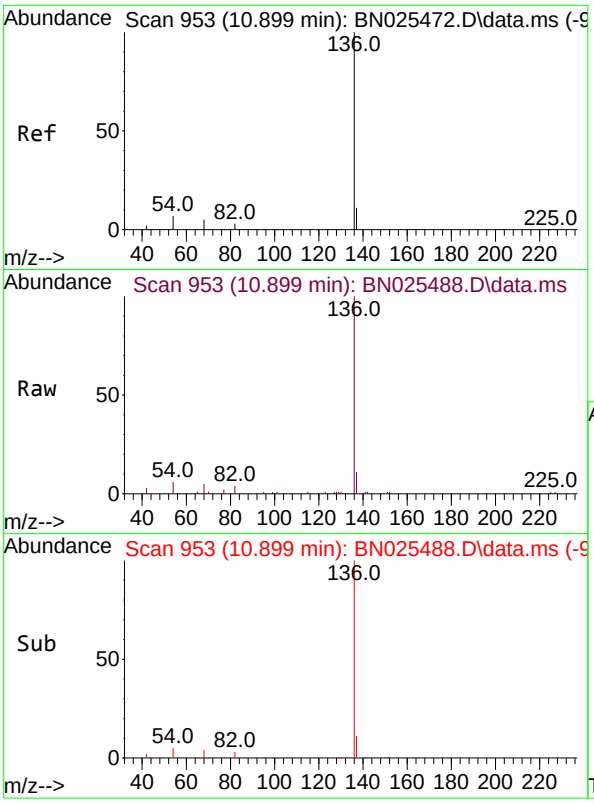


#6
bis(2-Chloroethyl)ether
Concen: 0.427 ng
RT: 7.485 min Scan# 596
Delta R.T. -0.007 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion: 93 Resp: 5786

Ion	Ratio	Lower	Upper
93	100		
63	68.6	55.8	83.6
95	30.7	25.7	38.5



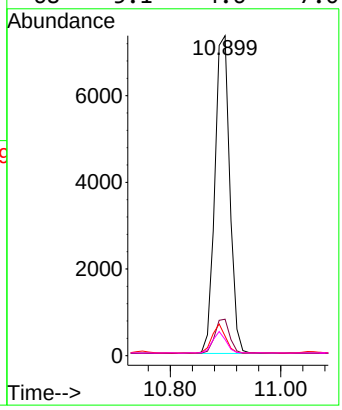


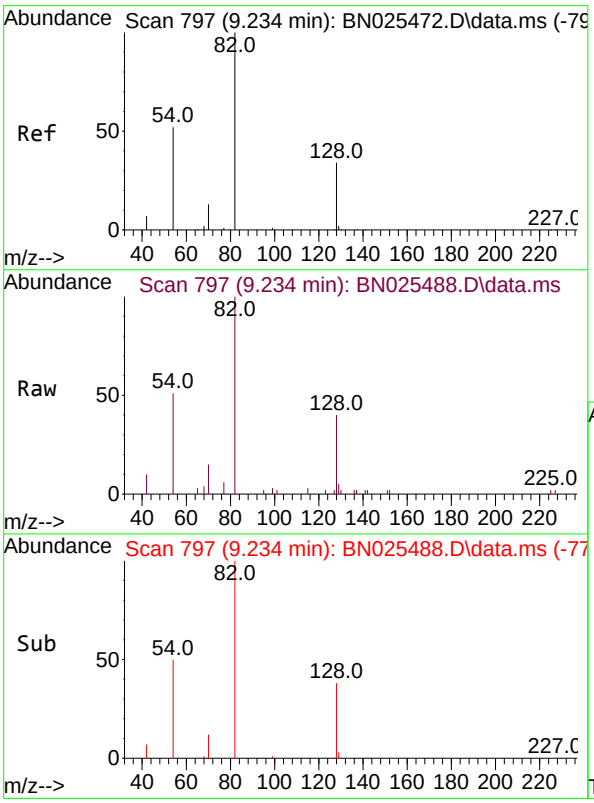
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.899 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:136 Resp: 13786

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.1	5.8	8.6
68	5.1	4.6	7.0

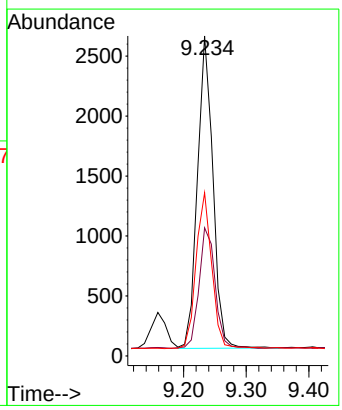


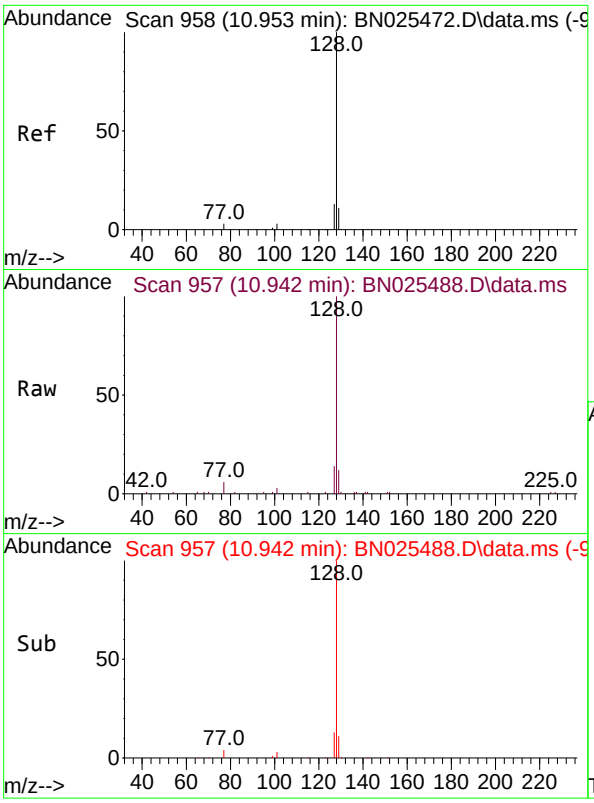


#8
Nitrobenzene-d5
Concen: 0.406 ng
RT: 9.234 min Scan# 797
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion: 82 Resp: 4471

Ion	Ratio	Lower	Upper
82	100		
128	40.1	27.9	41.9
54	51.0	42.4	63.6



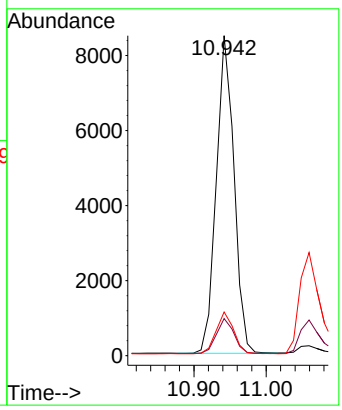


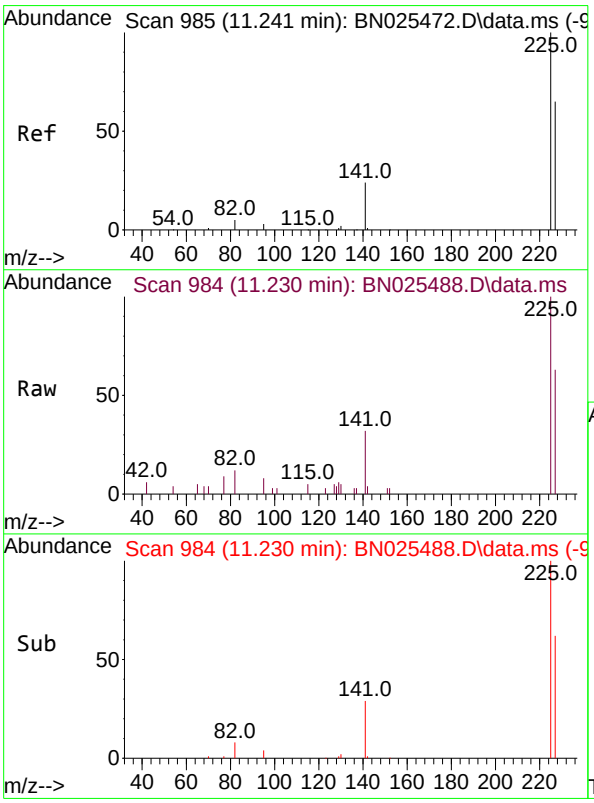
#9
Naphthalene
Concen: 0.410 ng
RT: 10.942 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:128 Resp: 14393

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.6	10.4	15.6

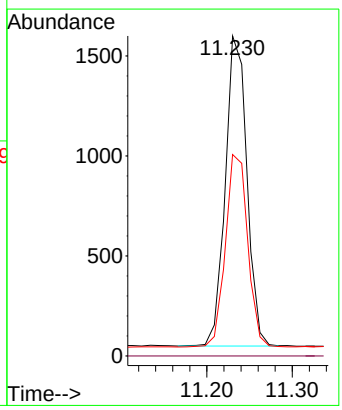


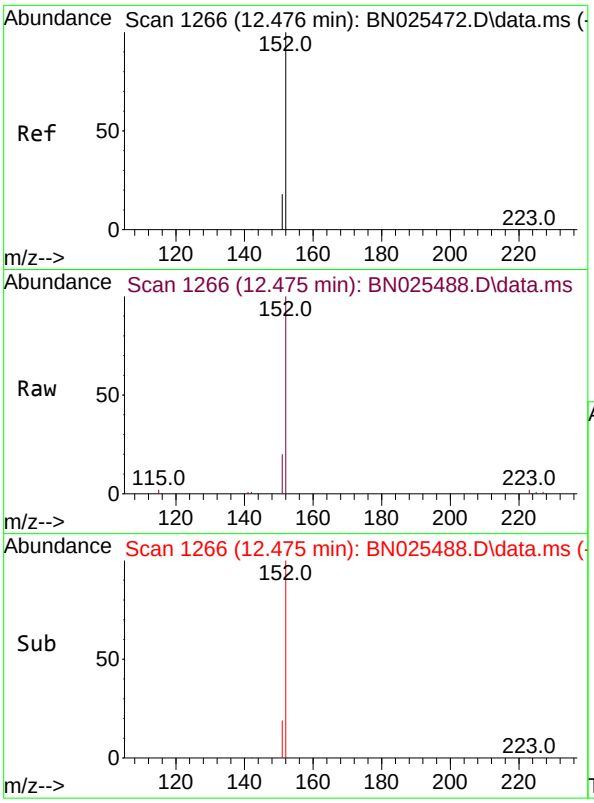


#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 11.230 min Scan# 984
Delta R.T. -0.011 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:225 Resp: 2720

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.4	77.2



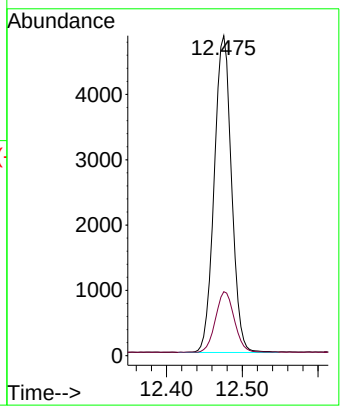


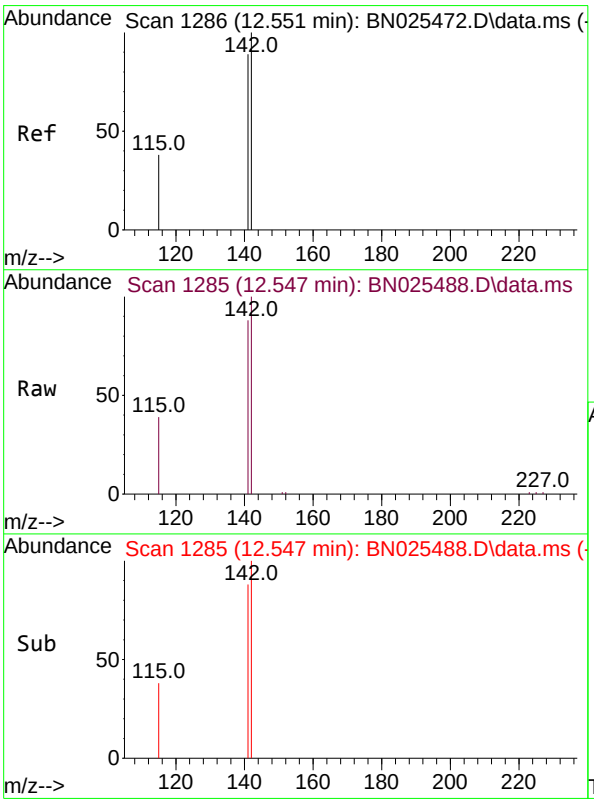
#11
2-Methylnaphthalene-d10
Concen: 0.402 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:152 Resp: 7711

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8

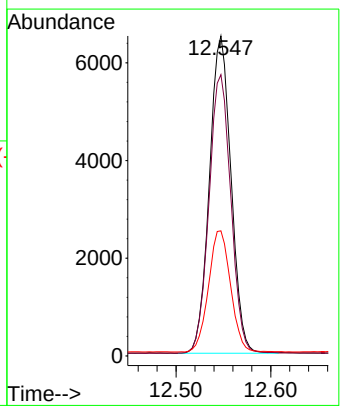


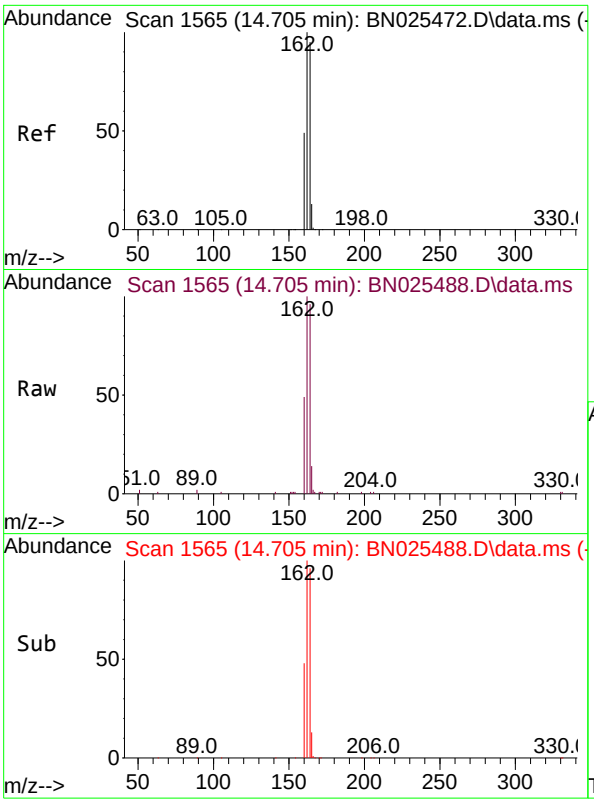


#12
2-Methylnaphthalene
Concen: 0.406 ng
RT: 12.547 min Scan# 1285
Delta R.T. -0.004 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:142 Resp: 10308

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.1	106.7
115	39.1	31.3	46.9



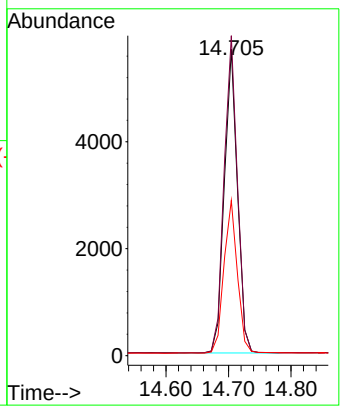


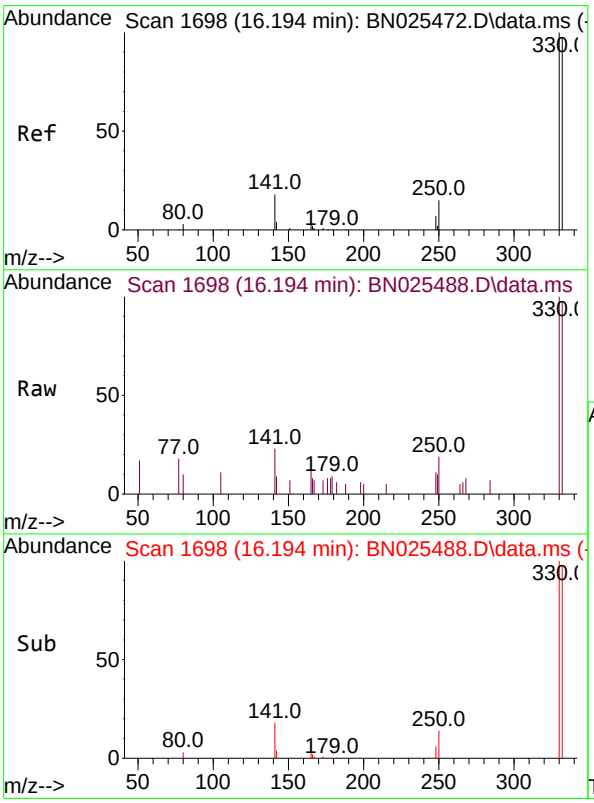
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:164 Resp: 8316

Ion	Ratio	Lower	Upper
164	100		
162	104.4	84.2	126.2
160	50.6	41.4	62.2

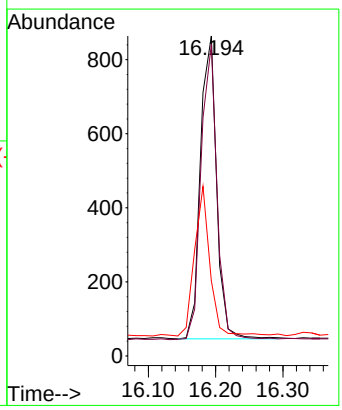


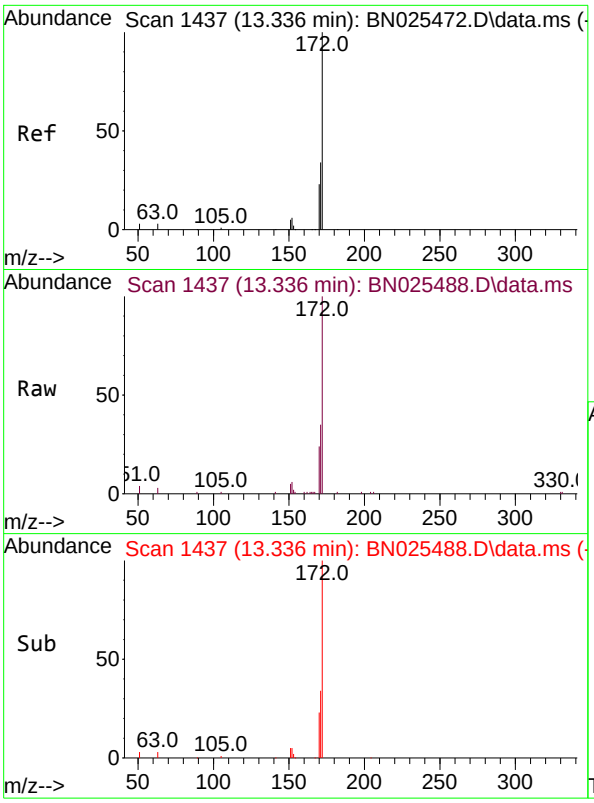


#14
2,4,6-Tribromophenol
Concen: 0.423 ng
RT: 16.194 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:330 Resp: 1372

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.1	114.1
141	45.6	36.1	54.1



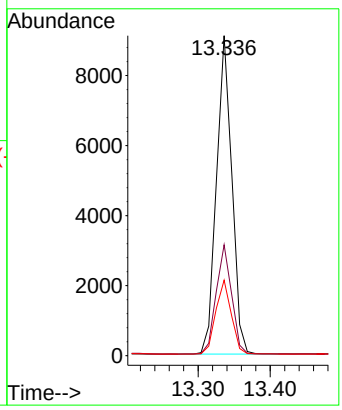


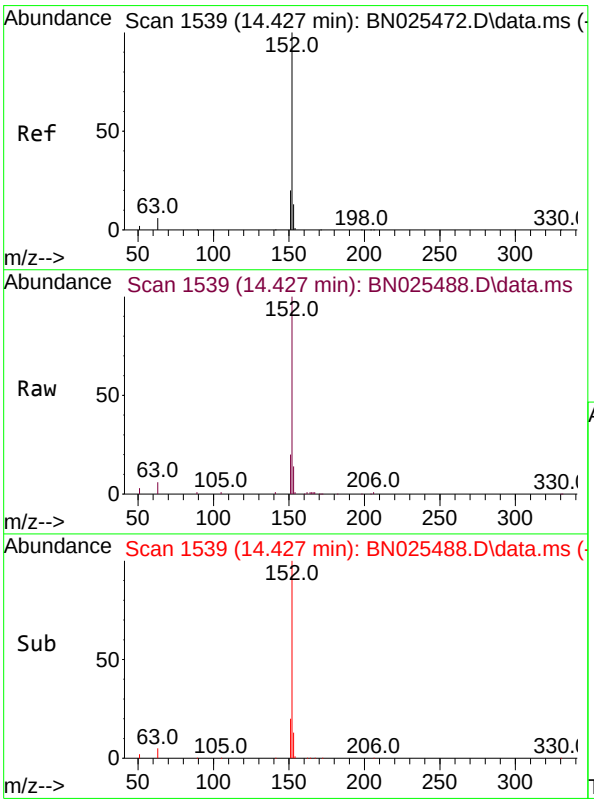
#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 13.336 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:172 Resp: 13428

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.6	41.4
170	23.6	18.9	28.3

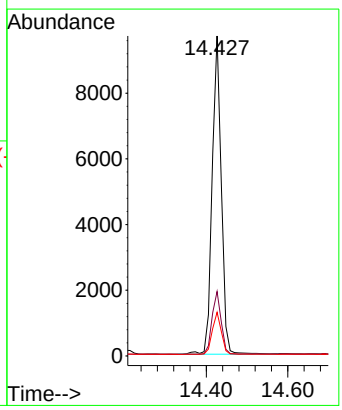


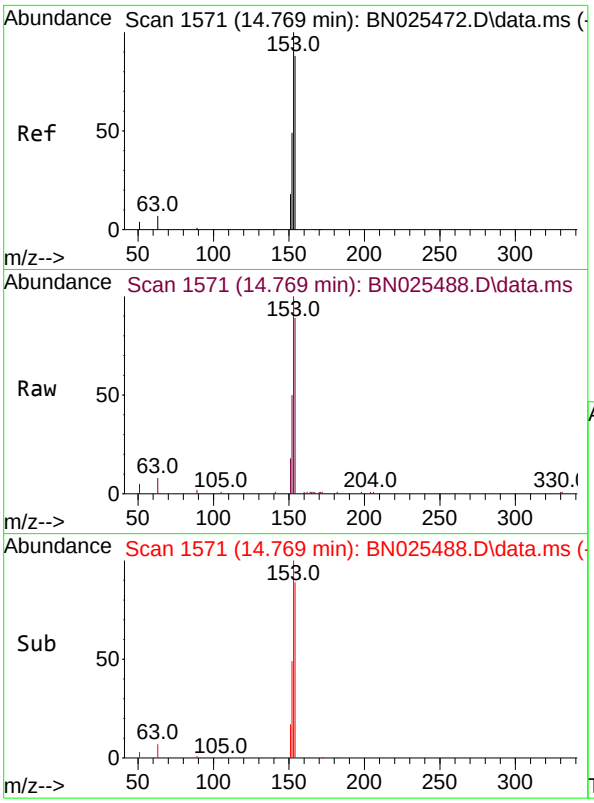


#16
Acenaphthylene
Concen: 0.397 ng
RT: 14.427 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:152 Resp: 15058

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2
153	13.1	10.3	15.5



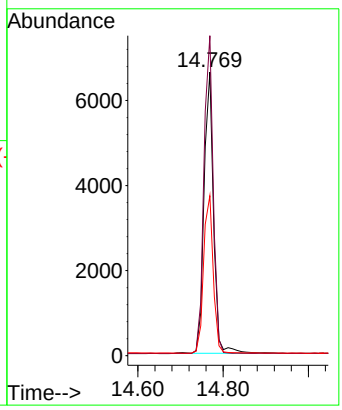


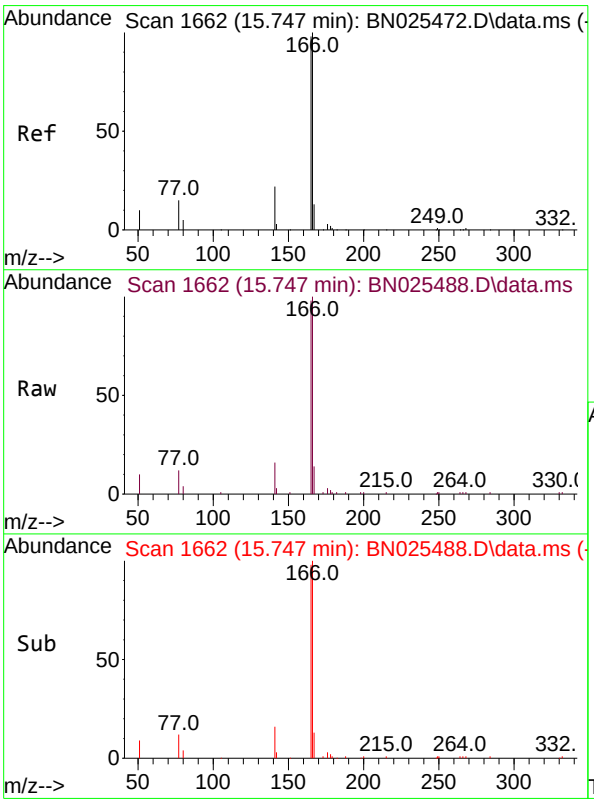
#17
Acenaphthene
Concen: 0.405 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:154 Resp: 10156

Ion	Ratio	Lower	Upper
154	100		
153	111.4	86.9	130.3
152	56.9	43.9	65.9

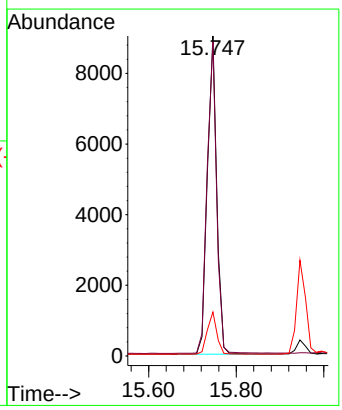


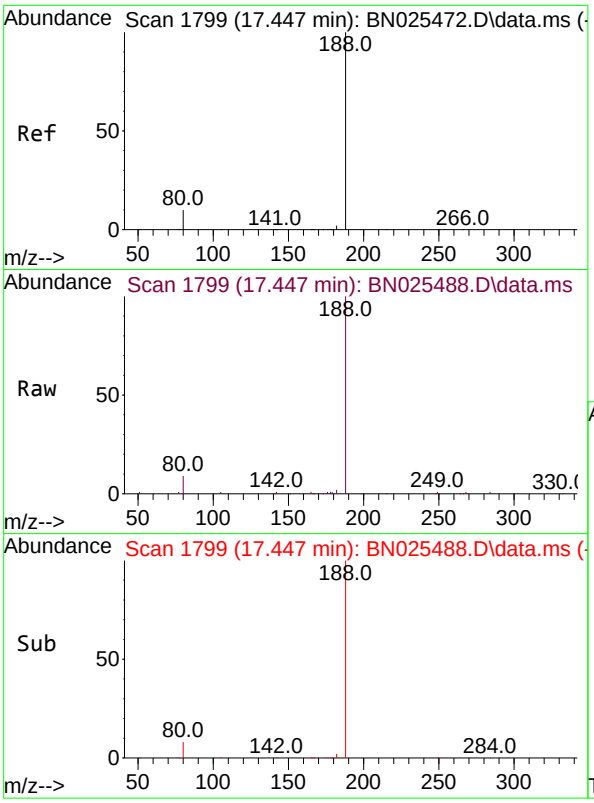


#18
Fluorene
Concen: 0.419 ng
RT: 15.747 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:166 Resp: 12979

Ion	Ratio	Lower	Upper
166	100		
165	96.6	79.9	119.9
167	13.8	11.2	16.8



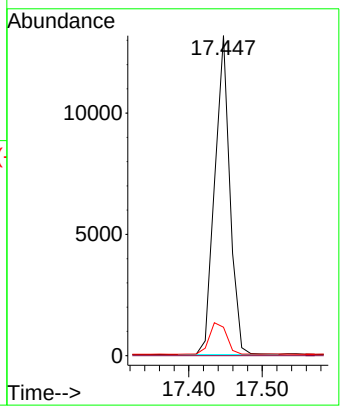


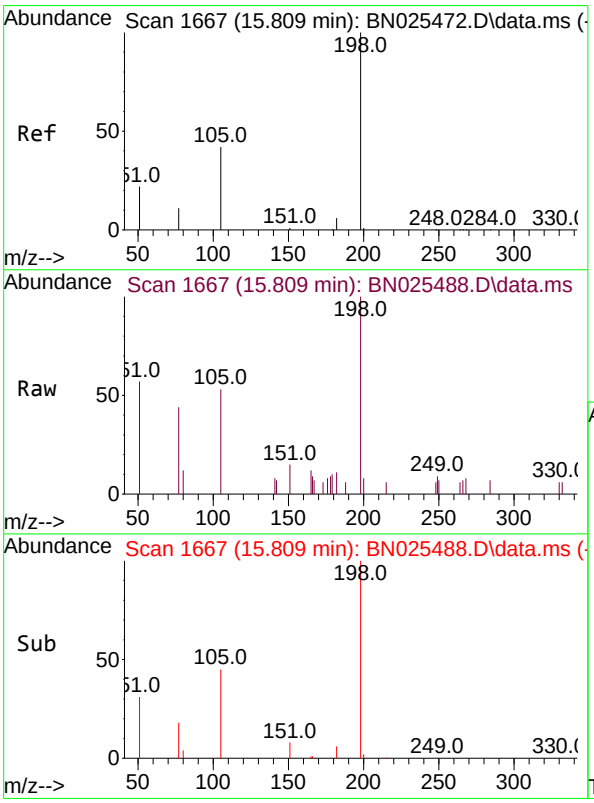
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.447 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:188 Resp: 18828

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	8.2	12.4

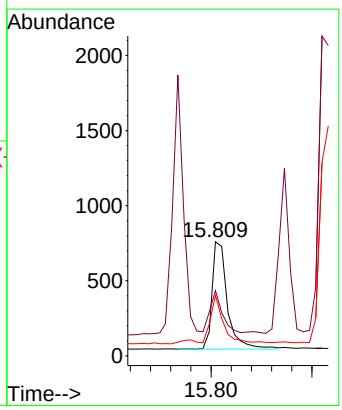


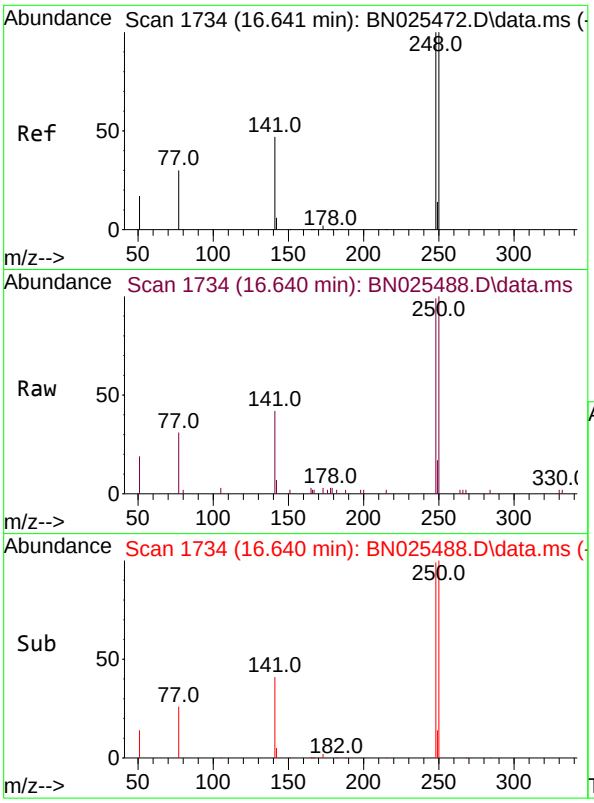


#20
4,6-Dinitro-2-methylphenol
Concen: 0.382 ng
RT: 15.809 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:198 Resp: 1497

Ion	Ratio	Lower	Upper
198	100		
51	57.2	42.2	63.2
105	53.0	41.0	61.6



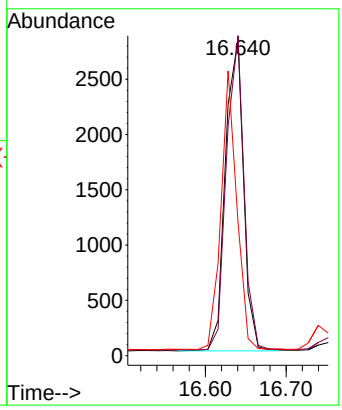


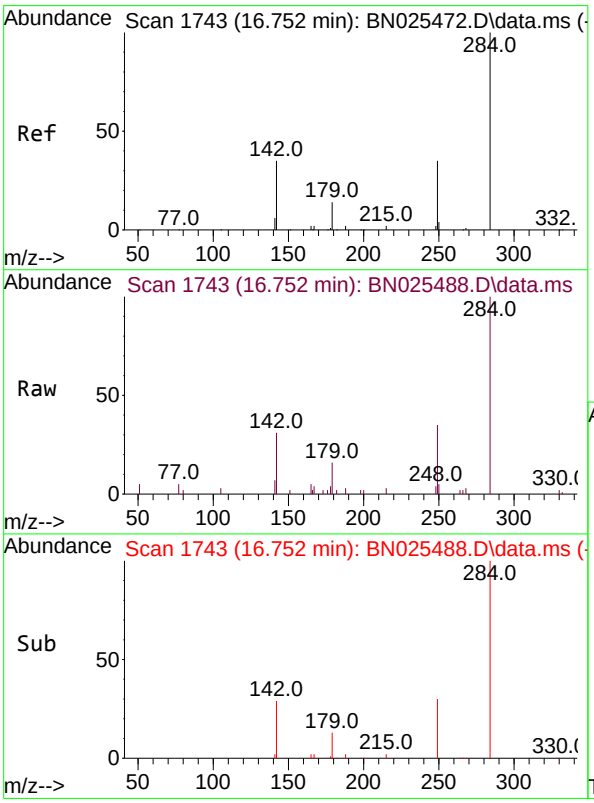
#21
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.640 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:248 Resp: 4408

Ion	Ratio	Lower	Upper
248	100		
250	101.1	79.8	119.8
141	42.1	38.7	58.1

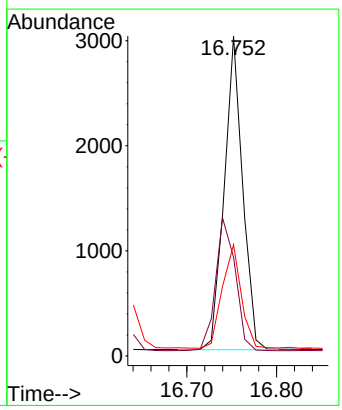


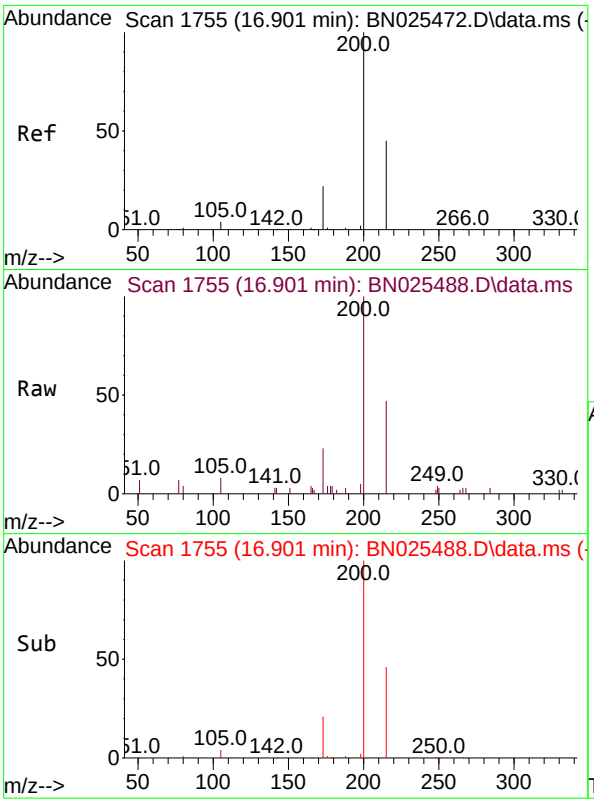


#22
Hexachlorobenzene
Concen: 0.411 ng
RT: 16.752 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:284 Resp: 4255

Ion	Ratio	Lower	Upper
284	100		
142	45.2	36.0	54.0
249	33.9	27.8	41.6



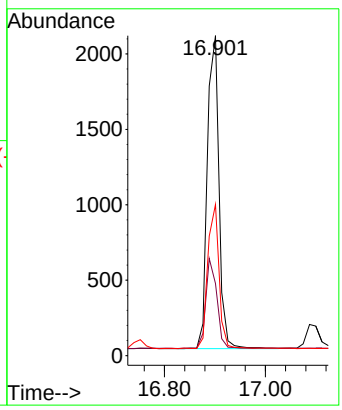


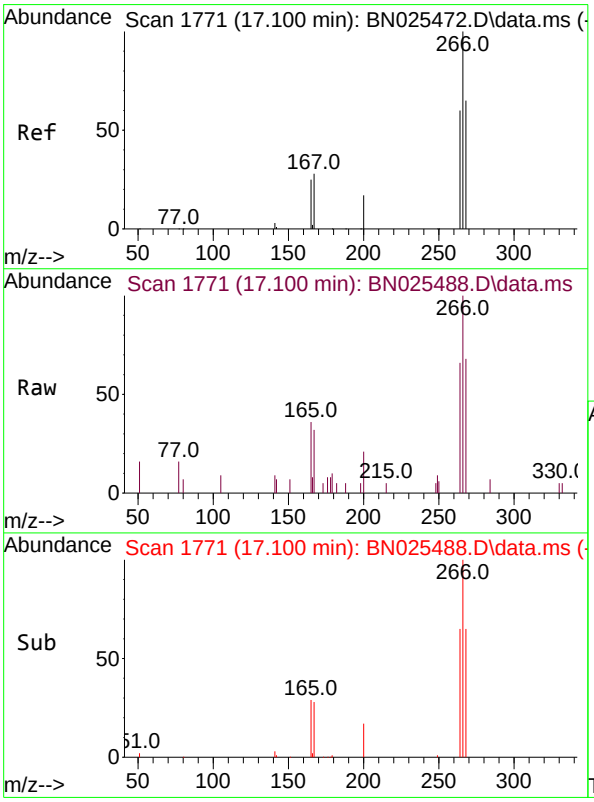
#23
Atrazine
Concen: 0.370 ng
RT: 16.901 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:200 Resp: 3335

Ion	Ratio	Lower	Upper
200	100		
173	22.5	18.6	27.8
215	47.2	36.9	55.3

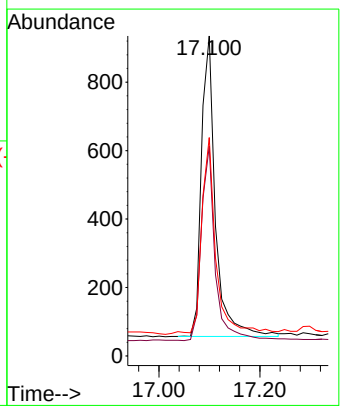


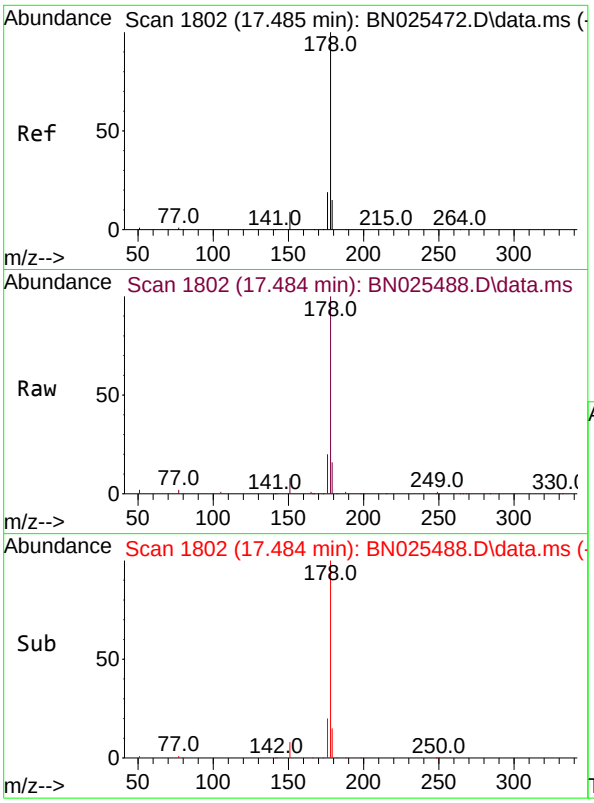


#24
Pentachlorophenol
Concen: 0.325 ng
RT: 17.100 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:266 Resp: 1699

Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.8	74.8
268	64.9	51.0	76.6



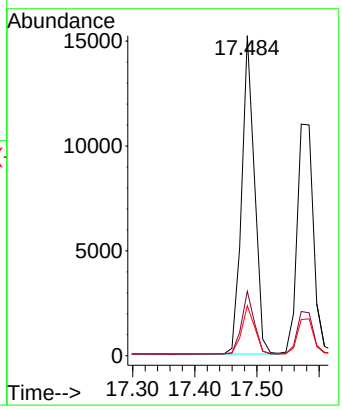


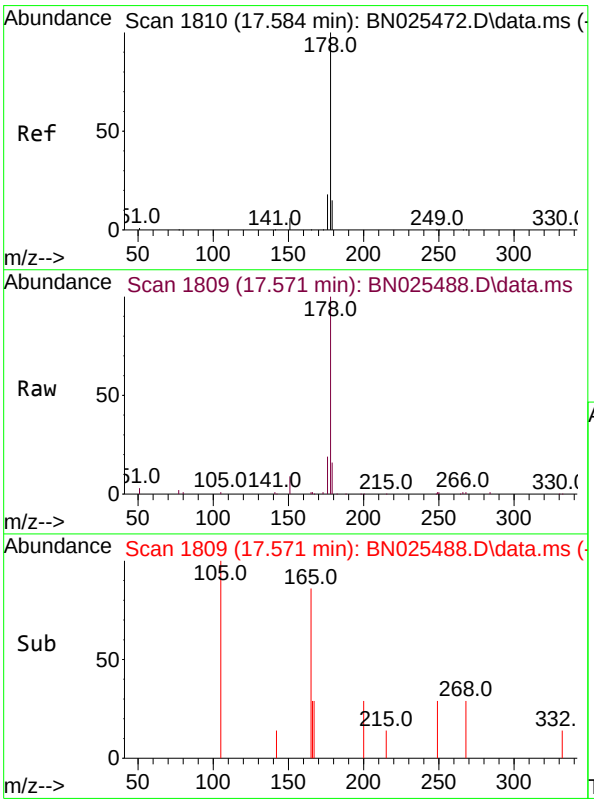
#25
Phenanthrene
Concen: 0.395 ng
RT: 17.484 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:178 Resp: 21785

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.4	12.1	18.1

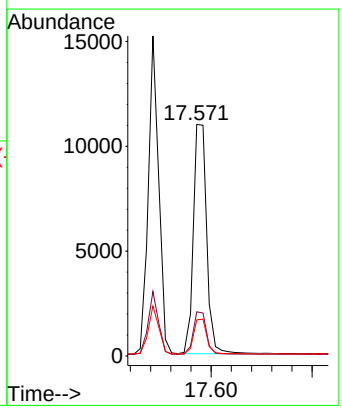


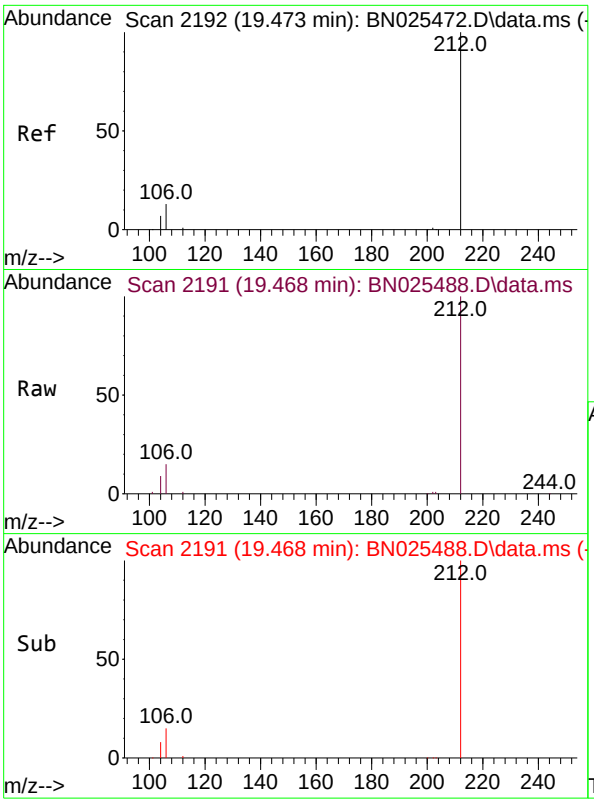


#26
Anthracene
Concen: 0.389 ng
RT: 17.571 min Scan# 1809
Delta R.T. -0.013 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:178 Resp: 20081

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	14.9	12.1	18.1



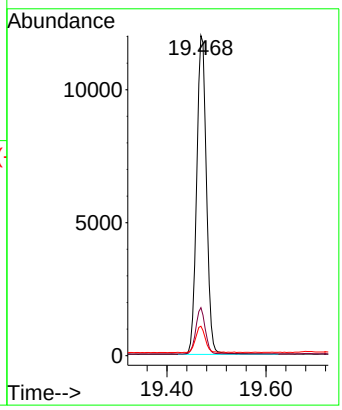


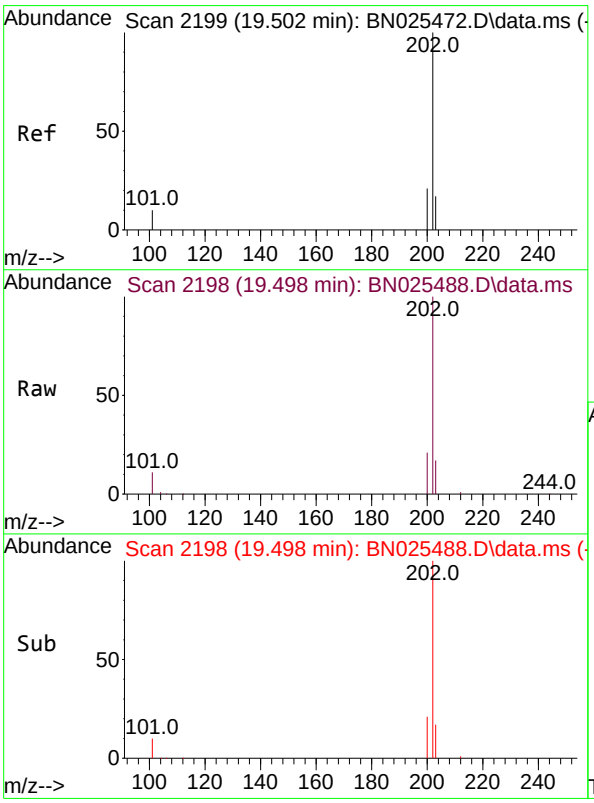
#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.468 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:212 Resp: 16441

Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.4	17.2
104	8.3	6.6	10.0

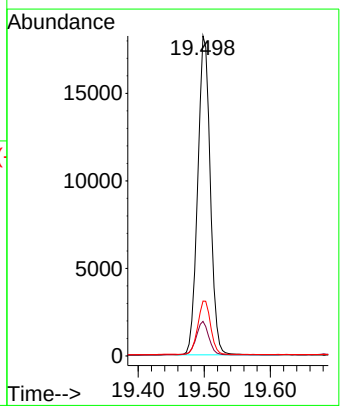


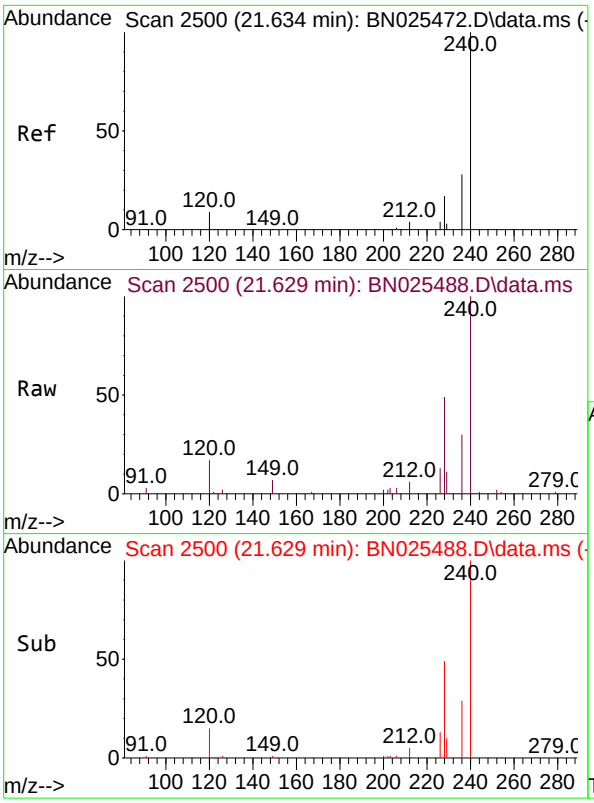


#28
Fluoranthene
Concen: 0.384 ng
RT: 19.498 min Scan# 2198
Delta R.T. -0.004 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:202 Resp: 24102

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.7	13.1
203	17.1	13.8	20.6



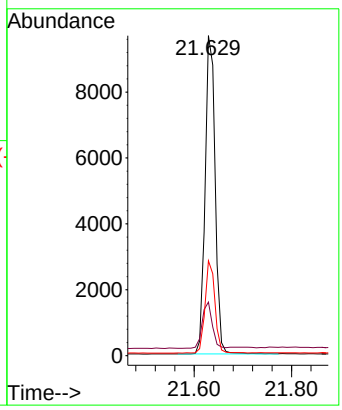


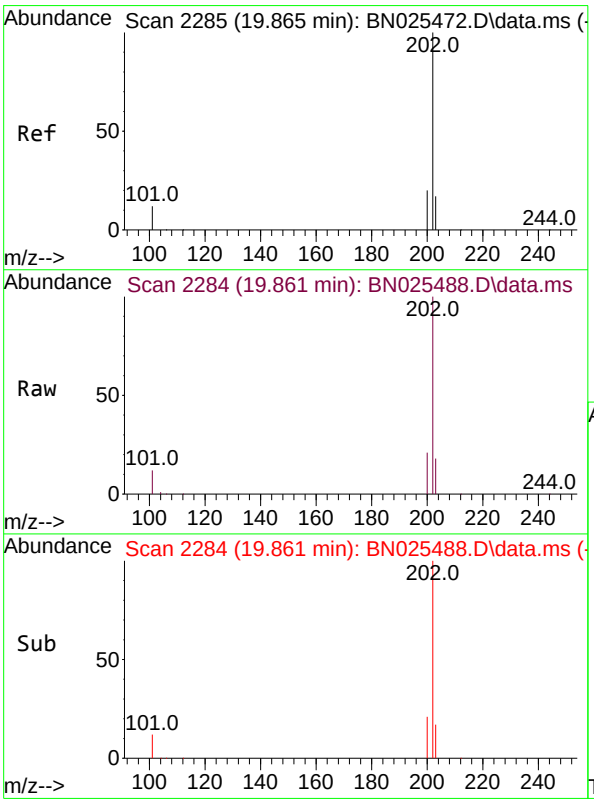
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.629 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:240 Resp: 13916

Ion	Ratio	Lower	Upper
240	100		
120	16.8	8.6	12.8#
236	29.7	22.7	34.1

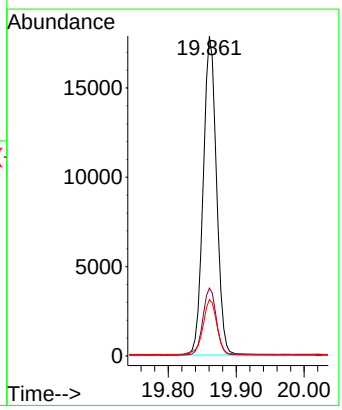


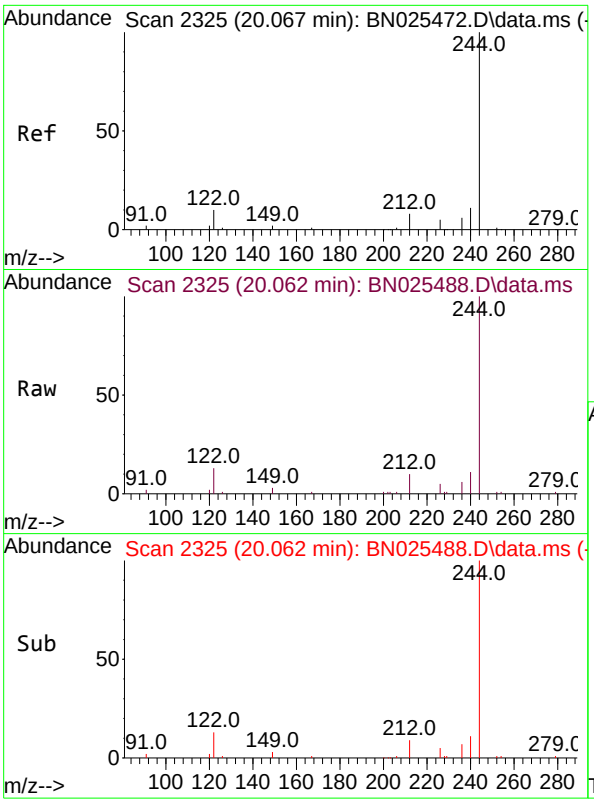


#30
Pyrene
Concen: 0.436 ng
RT: 19.861 min Scan# 2284
Delta R.T. -0.004 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:202 Resp: 24194

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.9	14.2	21.4



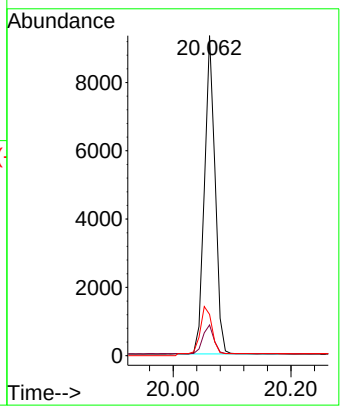


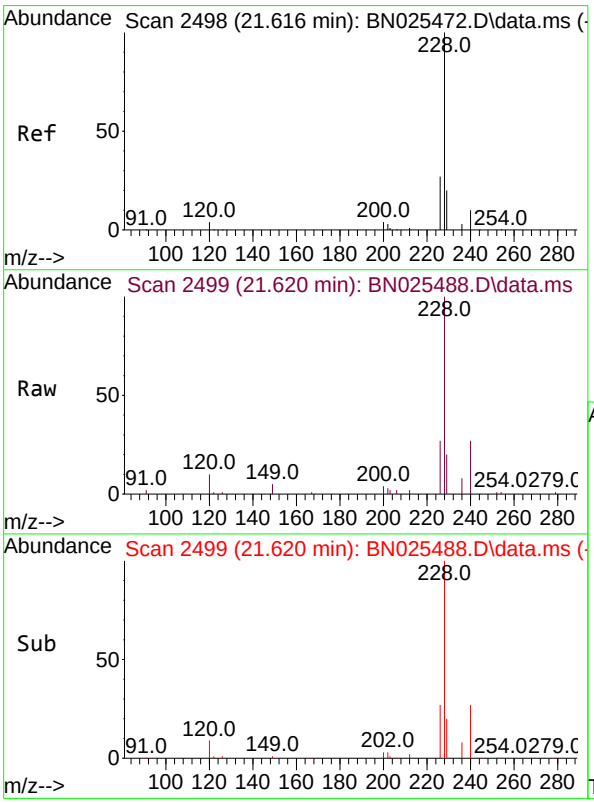
#31
Terphenyl-d14
Concen: 0.469 ng
RT: 20.062 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:244 Resp: 11613

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.6	10.0
122	12.9	8.1	12.1#

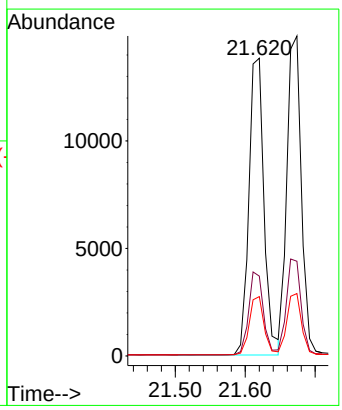


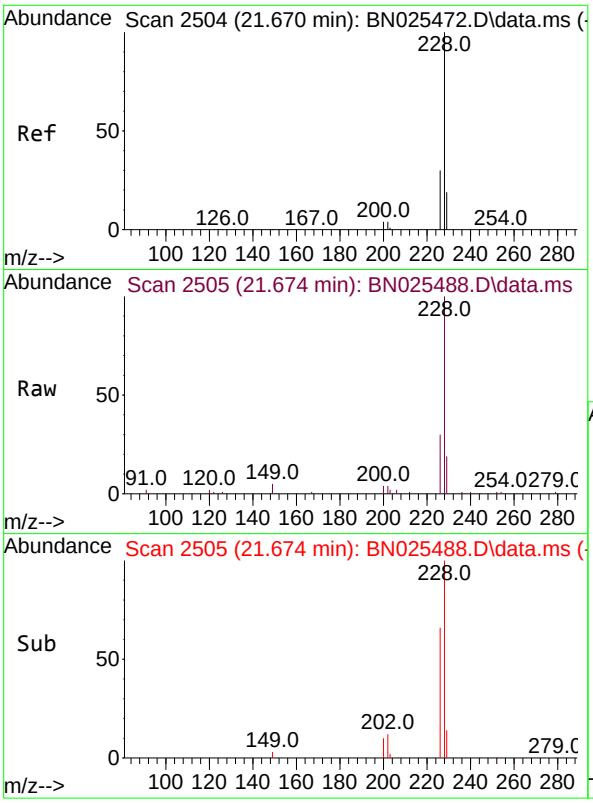


#32
Benzo(a)anthracene
Concen: 0.412 ng
RT: 21.620 min Scan# 2499
Delta R.T. 0.004 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:228 Resp: 20746

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.1	33.1
229	19.9	15.8	23.8



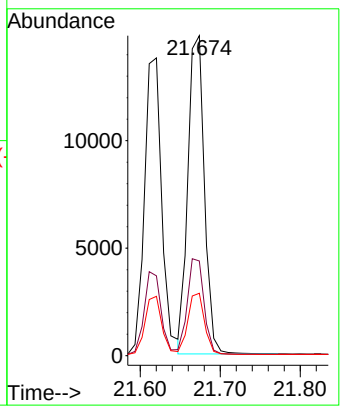


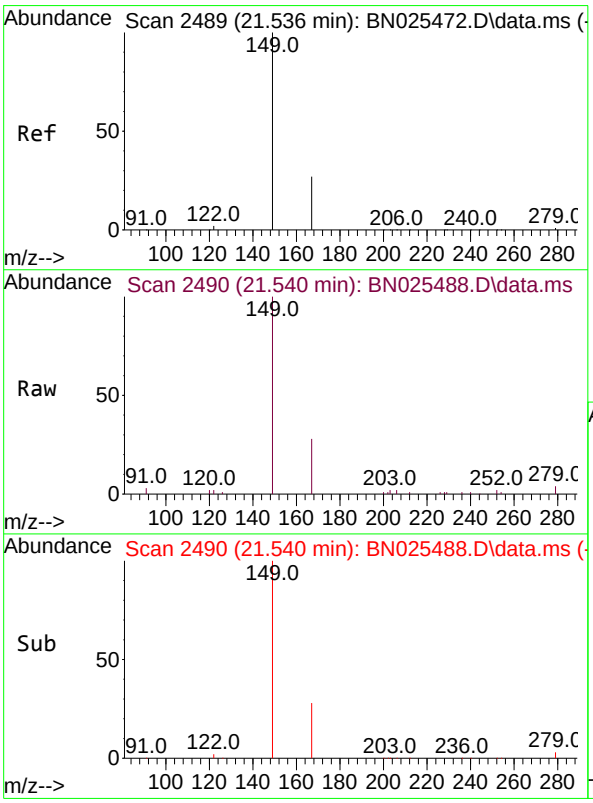
#33
Chrysene
Concen: 0.426 ng
RT: 21.674 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:228 Resp: 21294

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	19.5	15.4	23.2

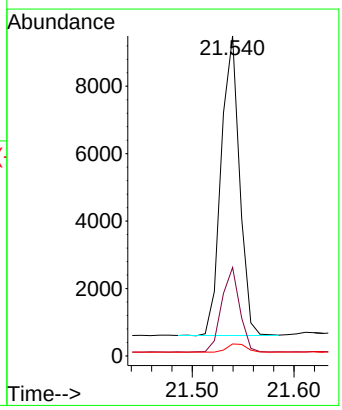


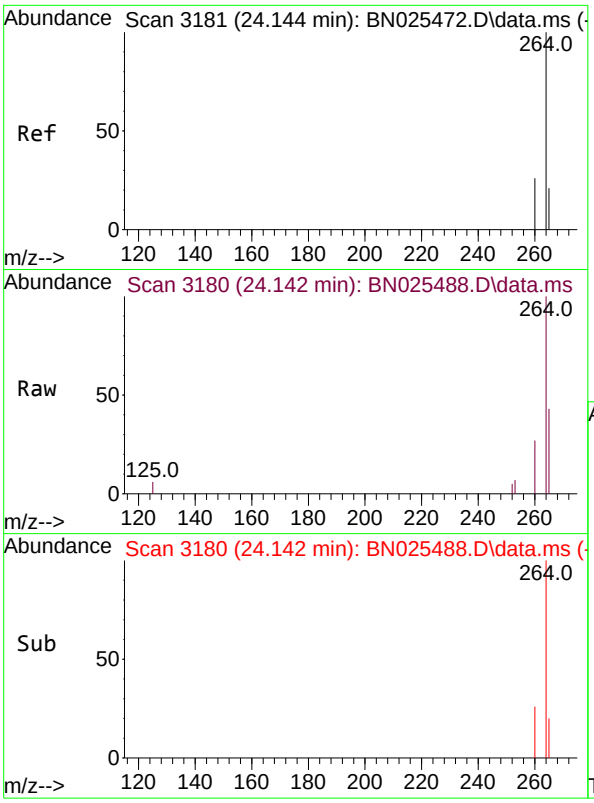


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.376 ng
RT: 21.540 min Scan# 2490
Delta R.T. 0.004 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:149 Resp: 11147

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.0	33.0
279	3.2	2.6	3.8



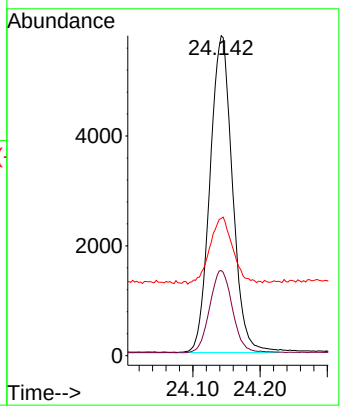


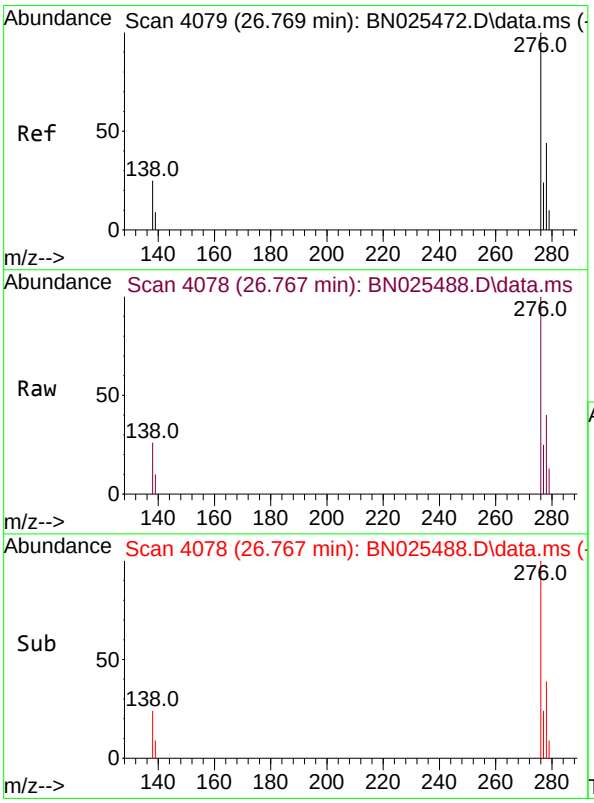
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.142 min Scan# 3
Delta R.T. -0.002 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:264 Resp: 13403

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.2	31.8
265	42.9	27.1	40.7#

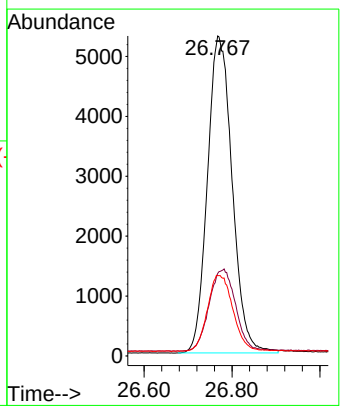


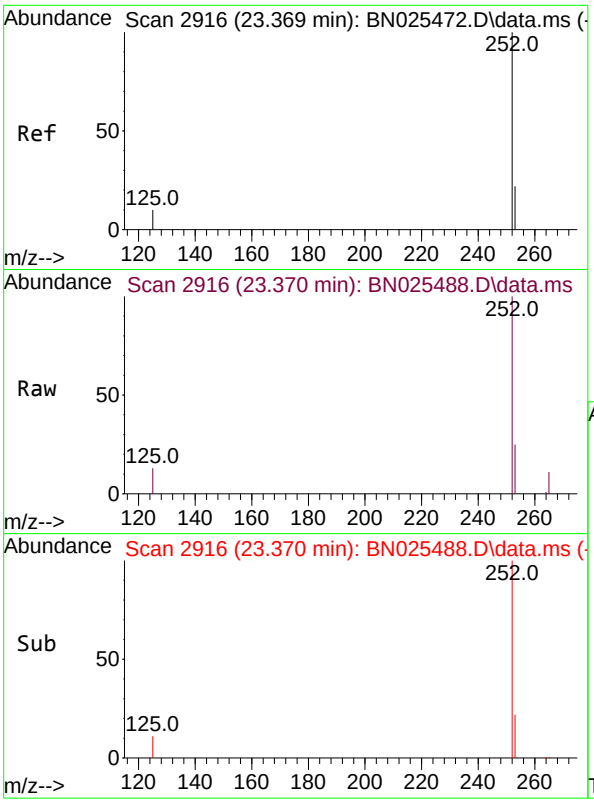


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 26.767 min Scan# 4078
Delta R.T. -0.002 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:276 Resp: 20661

Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.8	32.6
277	24.6	19.7	29.5



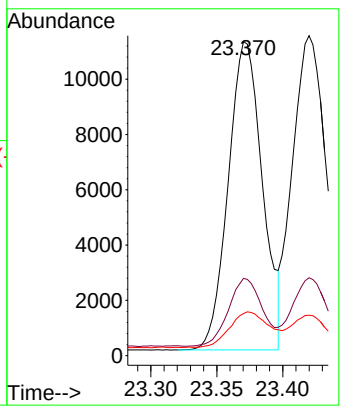


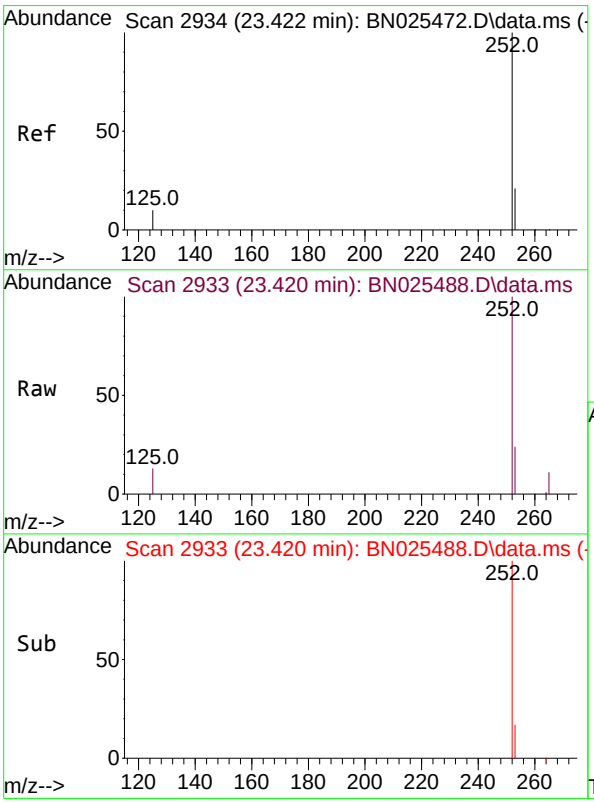
#37
Benzo(b)fluoranthene
Concen: 0.403 ng
RT: 23.370 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:252 Resp: 20069

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.8	28.2
125	13.4	9.6	14.4

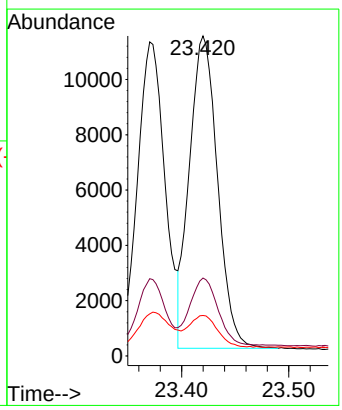


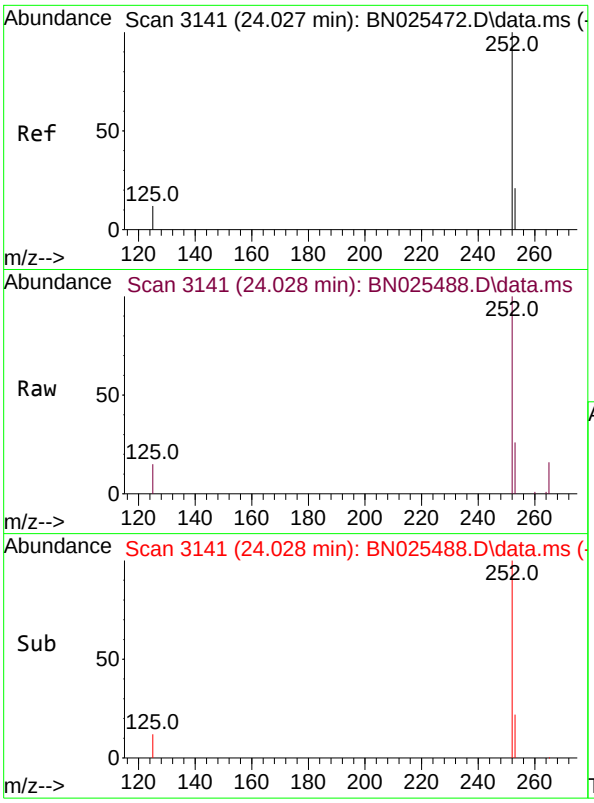


#38
Benzo(k)fluoranthene
Concen: 0.405 ng
RT: 23.420 min Scan# 2933
Delta R.T. -0.002 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:252 Resp: 20570

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	12.7	9.8	14.8



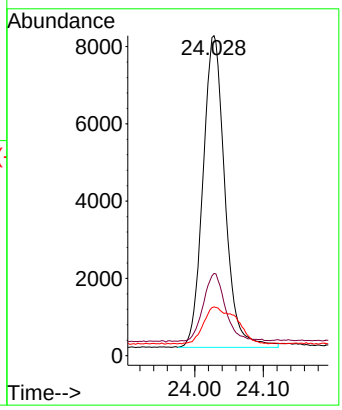


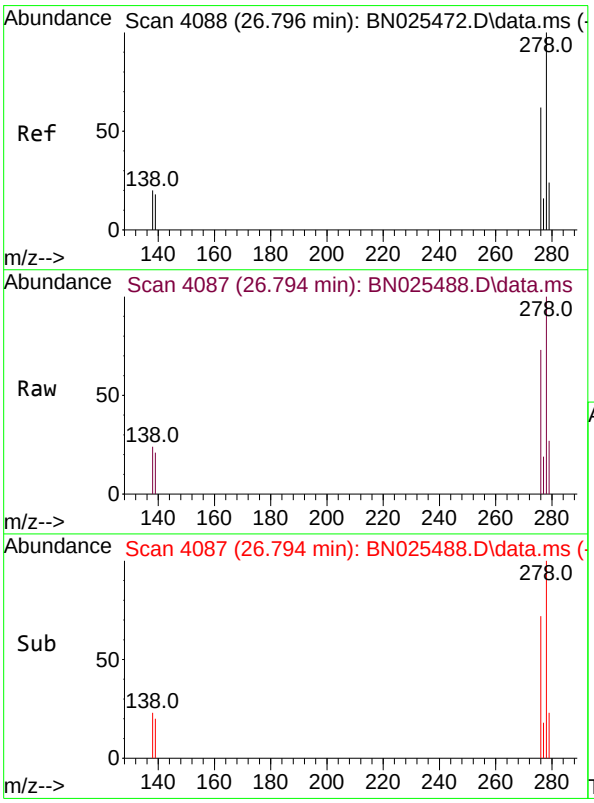
#39
Benzo(a)pyrene
Concen: 0.384 ng
RT: 24.028 min Scan# 3
Delta R.T. 0.001 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:252 Resp: 17972

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.6	28.0
125	15.2	11.0	16.6

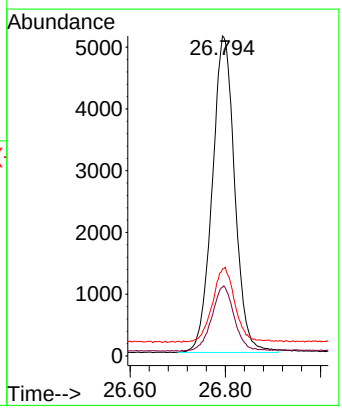


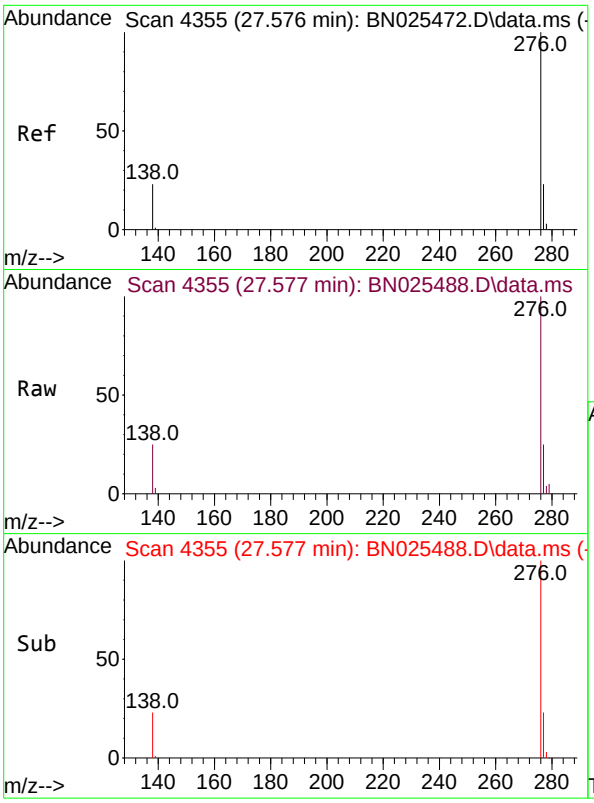


#40
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 26.794 min Scan# 4087
Delta R.T. -0.002 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Tgt Ion:278 Resp: 16833

Ion	Ratio	Lower	Upper
278	100		
139	21.5	15.0	22.6
279	27.2	20.5	30.7





#41
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 27.577 min Scan# 4
Delta R.T. 0.001 min
Lab File: BN025488.D
Acq: 19 May 2023 14:32

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:276 Resp: 17047

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	24.6	19.2	28.8