Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052623\
Data File : BN025687.D
Acq On : 28 May 2023 18:37
Operator : CG/JU
Sample : PB153028BS
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Quant Time: May 29 01:40:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 29 00:47:45 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.019	152	5842	0.400	ng		0.00
7) Naphthalene-d8	10.835	136	16457	0.400	ng		0.00
13) Acenaphthene-d10	14.651	164	9213	0.400	ng		0.00
19) Phenanthrene-d10	17.393	188	18397	0.400	ng	#	0.00
29) Chrysene-d12	21.569	240	10006	0.400	ng		0.00
35) Perylene-d12	24.063	264	9301	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.556	112	5817	0.389	ng		0.00
5) Phenol-d6	7.167	99	7018	0.391	ng		0.00
8) Nitrobenzene-d5	9.180	82	5331	0.387	ng		-0.01
11) 2-Methylnaphthalene-d10	12.419	152	9458	0.403	ng		0.00
14) 2,4,6-Tribromophenol	16.139	330	865	0.464	ng		-0.01
15) 2-Fluorobiphenyl	13.282	172	15377	0.404	ng		0.00
27) Fluoranthene-d10	19.420	212	15598	0.374	ng		0.00
31) Terphenyl-d14	20.010	244	9417	0.430	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.397	88	2894	0.428	ng		98
3) n-Nitrosodimethylamine	3.743	42	2366	0.325	ng	#	91
6) bis(2-Chloroethyl)ether	7.434	93	7497	0.406	ng		98
9) Naphthalene	10.888	128	18443	0.410	ng		99
10) Hexachlorobutadiene	11.166	225	3179	0.407	ng	#	96
12) 2-Methylnaphthalene	12.490	142	12517	0.404	ng		98
16) Acenaphthylene	14.373	152	17228	0.396	ng		99
17) Acenaphthene	14.715	154	11826	0.413	ng		99
18) Fluorene	15.692	166	15173	0.400	ng		100
20) 4,6-Dinitro-2-methylph...	15.779	198	985	0.498	ng	#	72
21) 4-Bromophenyl-phenylether	16.586	248	4250	0.407	ng	#	85
22) Hexachlorobenzene	16.698	284	3900	0.409	ng		99
23) Atrazine	16.847	200	3202	0.384	ng		93
24) Pentachlorophenol	17.070	266	483	0.723	ng	#	80
25) Phenanthrene	17.430	178	22881	0.409	ng		99
26) Anthracene	17.529	178	20069	0.396	ng		99
28) Fluoranthene	19.453	202	22818	0.374	ng		99
30) Pyrene	19.811	202	22933	0.471	ng		99
32) Benzo(a)anthracene	21.560	228	14833	0.398	ng		99
33) Chrysene	21.614	228	17024	0.421	ng		99
34) Bis(2-ethylhexyl)phtha...	21.470	149	9359	0.412	ng		99
36) Indeno(1,2,3-cd)pyrene	26.662	276	16990	0.476	ng	#	60
37) Benzo(b)fluoranthene	23.297	252	14480	0.409	ng		99
38) Benzo(k)fluoranthene	23.349	252	14773	0.401	ng		100
39) Benzo(a)pyrene	23.951	252	14218	0.420	ng		96
40) Dibenzo(a,h)anthracene	26.688	278	13024	0.461	ng		100
41) Benzo(g,h,i)perylene	27.466	276	15408	0.478	ng		98

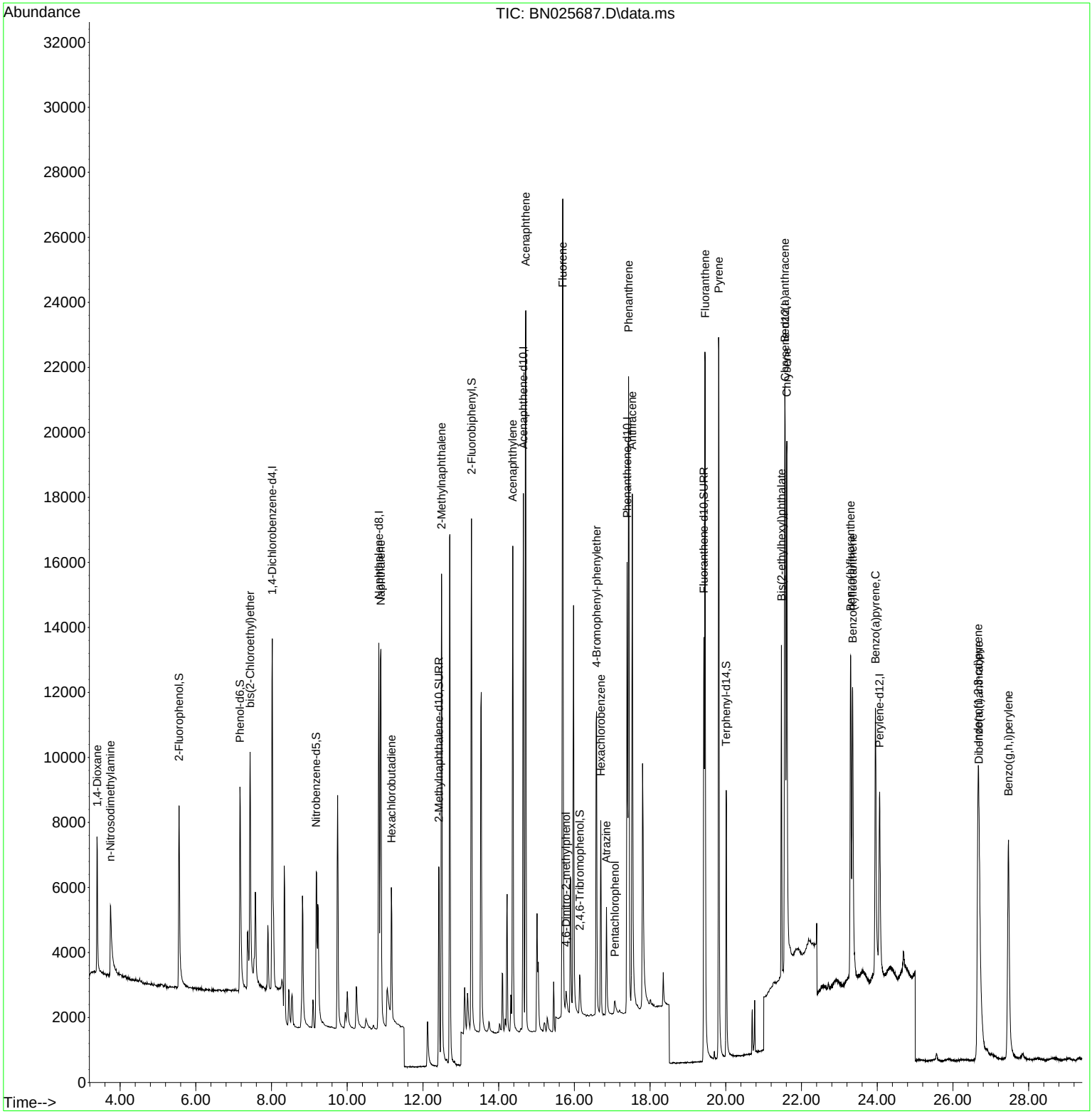
(#) = qualifier out of range (m) = manual integration (+) = signals summed

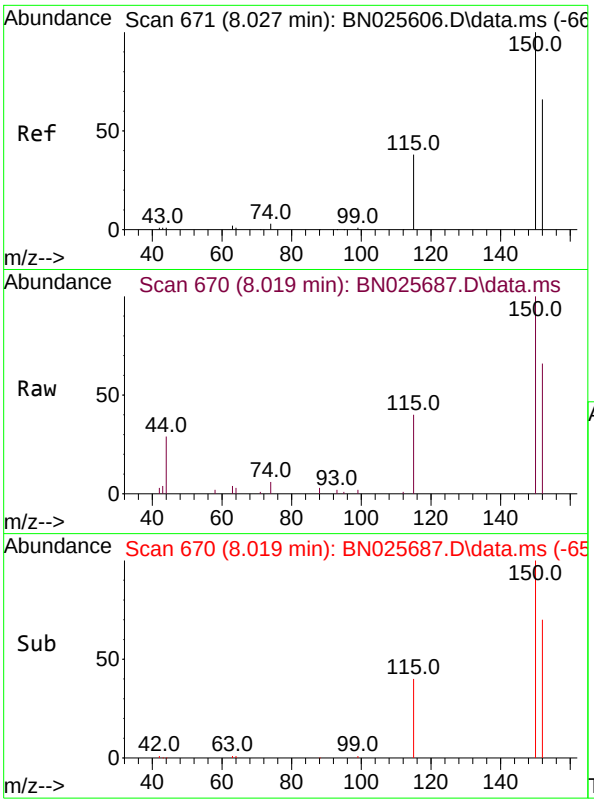
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052623\
Data File : BN025687.D
Acq On : 28 May 2023 18:37
Operator : CG/JU
Sample : PB153028BS
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Quant Time: May 29 01:40:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 29 00:47:45 2023
Response via : Initial Calibration



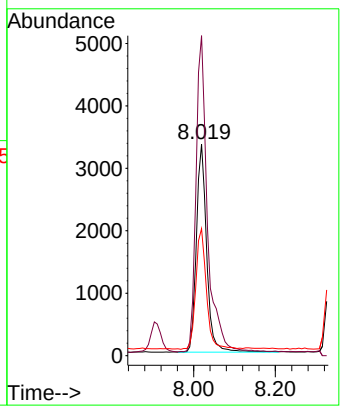


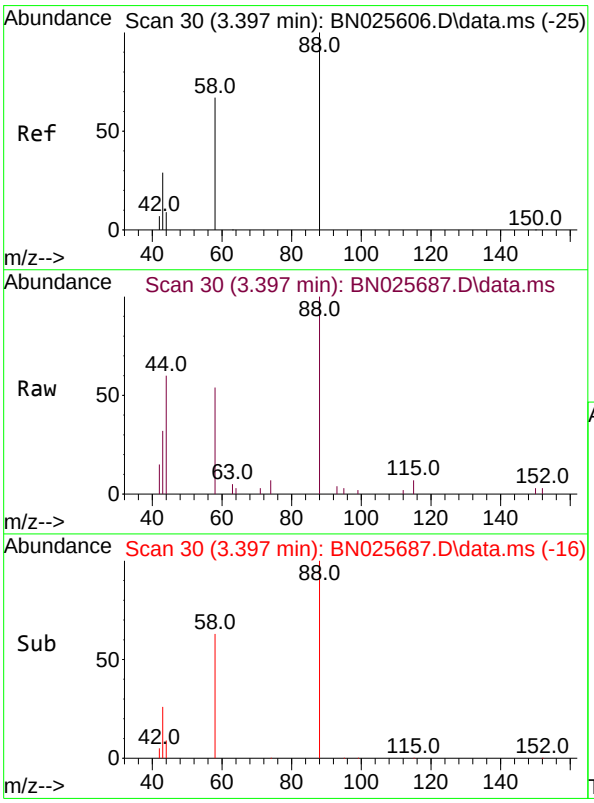
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.019 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:152 Resp: 5842

Ion	Ratio	Lower	Upper
152	100		
150	151.3	121.0	181.6
115	60.0	48.5	72.7

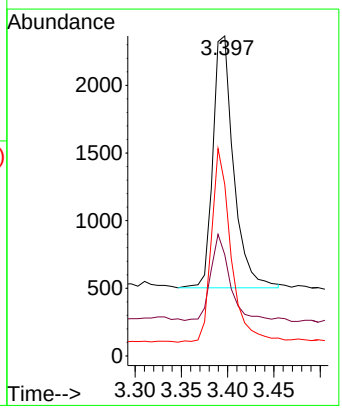


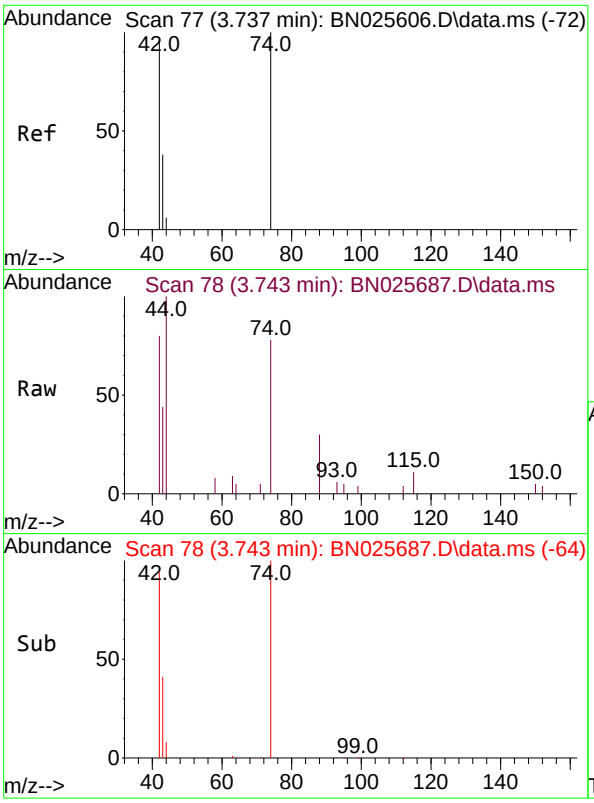


#2
1,4-Dioxane
Concen: 0.428 ng
RT: 3.397 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion: 88 Resp: 2894

Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.5	39.7
58	71.8	56.8	85.2



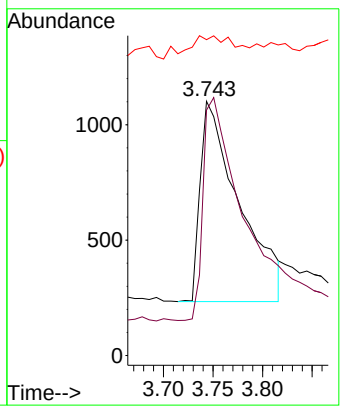


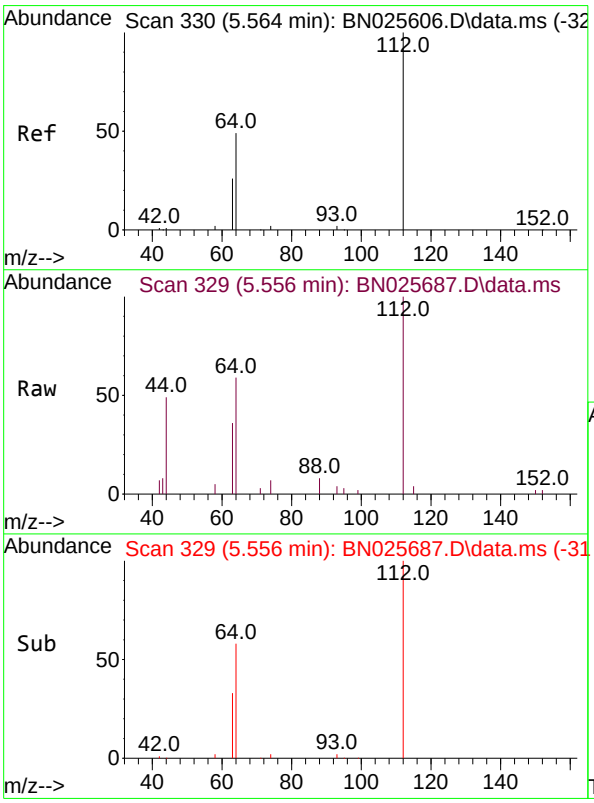
#3
n-Nitrosodimethylamine
Concen: 0.325 ng
RT: 3.743 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion: 42 Resp: 2366

Ion	Ratio	Lower	Upper
42	100		
74	112.0	82.2	123.2
44	14.2	0.0	0.0#

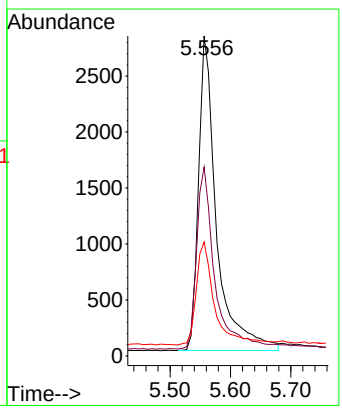


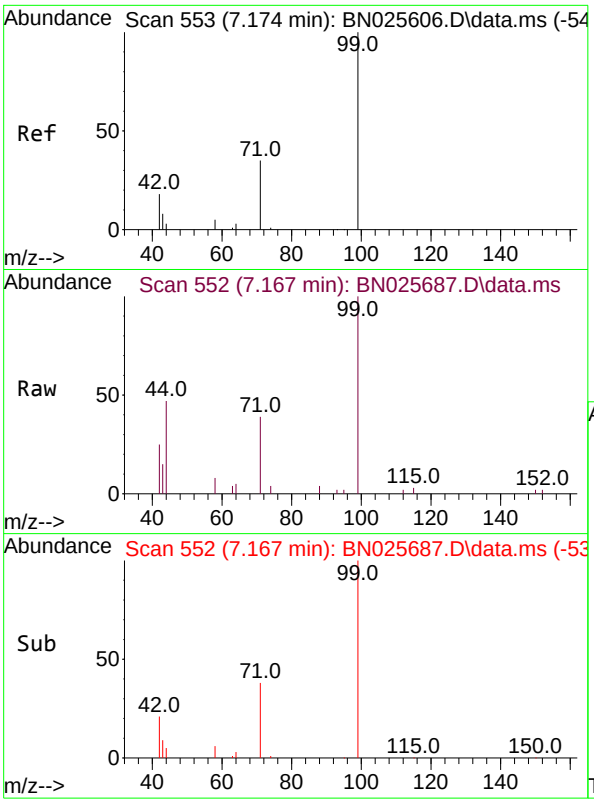


#4
2-Fluorophenol
Concen: 0.389 ng
RT: 5.556 min Scan# 329
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:112 Resp: 5817

Ion	Ratio	Lower	Upper
112	100		
64	58.8	45.7	68.5
63	33.4	26.2	39.2



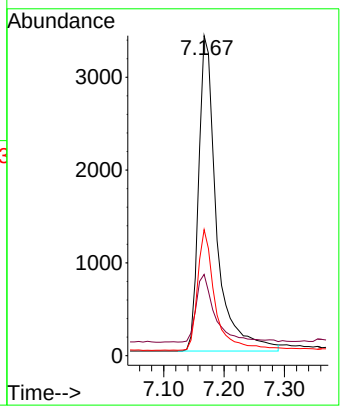


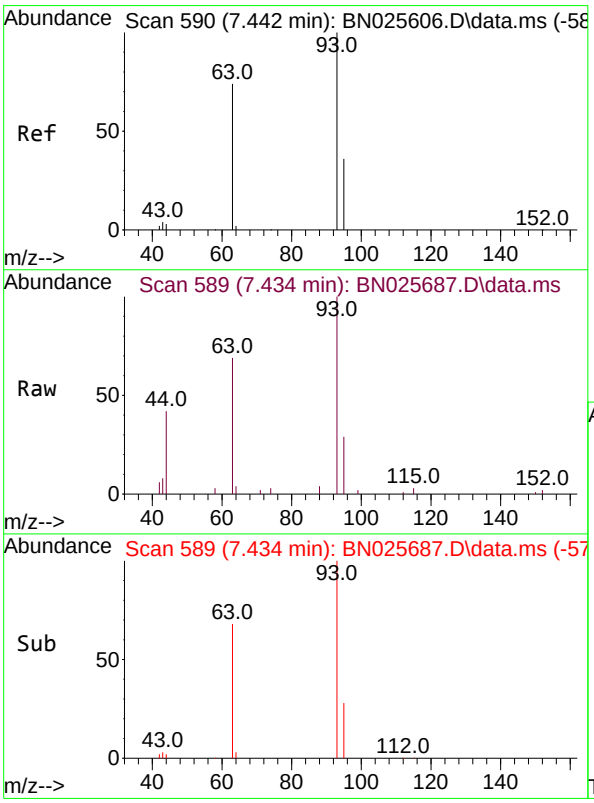
#5
Phenol-d6
Concen: 0.391 ng
RT: 7.167 min Scan# 5
Delta R.T. -0.008 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion: 99 Resp: 7018

Ion	Ratio	Lower	Upper
99	100		
42	22.7	17.1	25.7
71	37.4	29.3	43.9

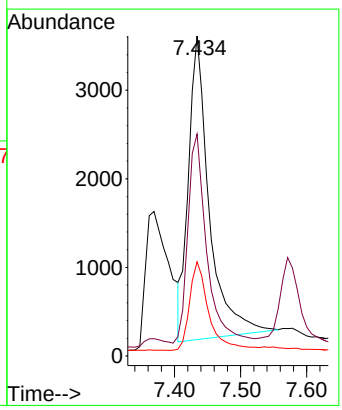


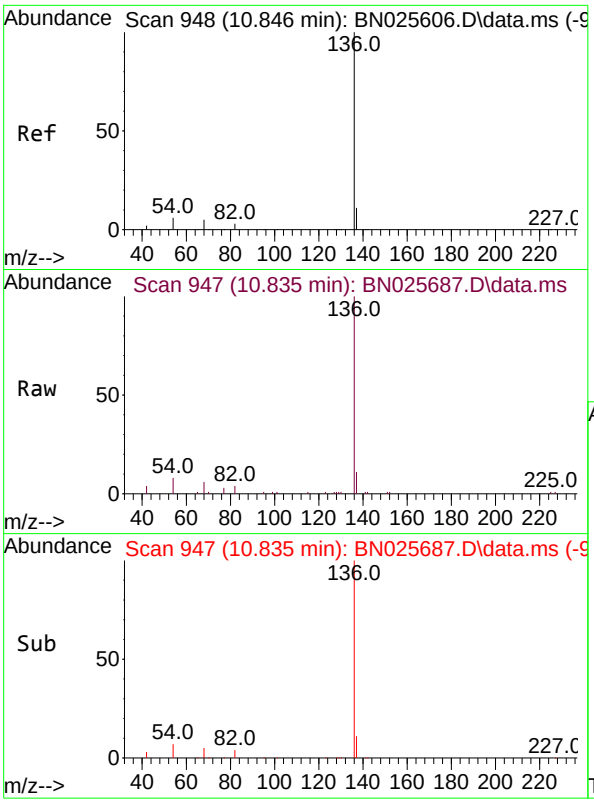


#6
bis(2-Chloroethyl)ether
Concen: 0.406 ng
RT: 7.434 min Scan# 589
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion: 93 Resp: 7497

Ion	Ratio	Lower	Upper
93	100		
63	62.8	49.1	73.7
95	27.0	22.6	33.8



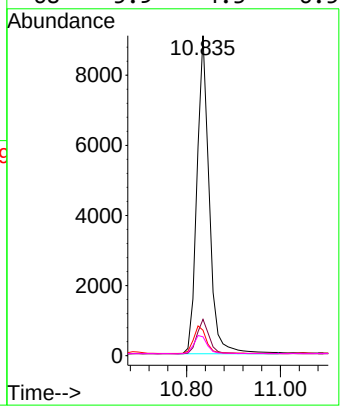


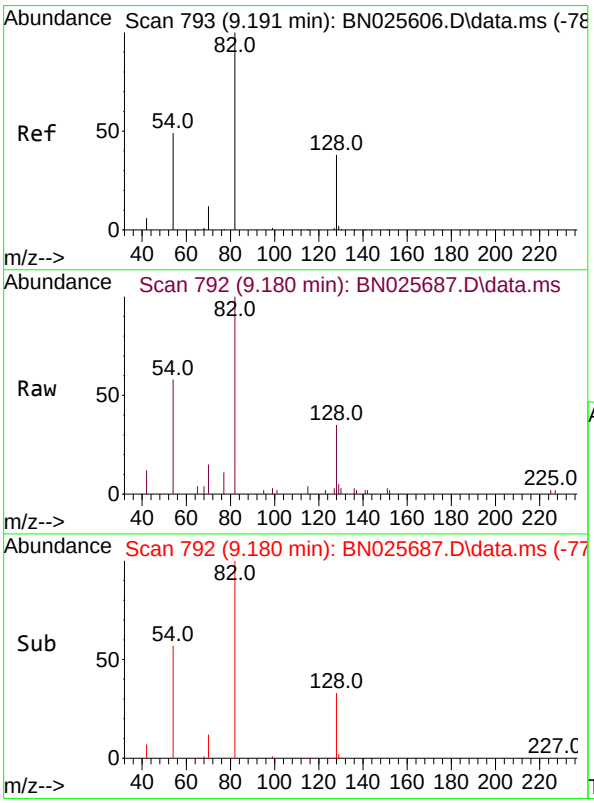
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.835 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:136 Resp: 16457

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.0	5.4	8.0
68	5.9	4.3	6.5

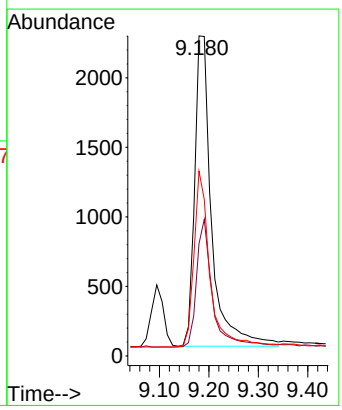


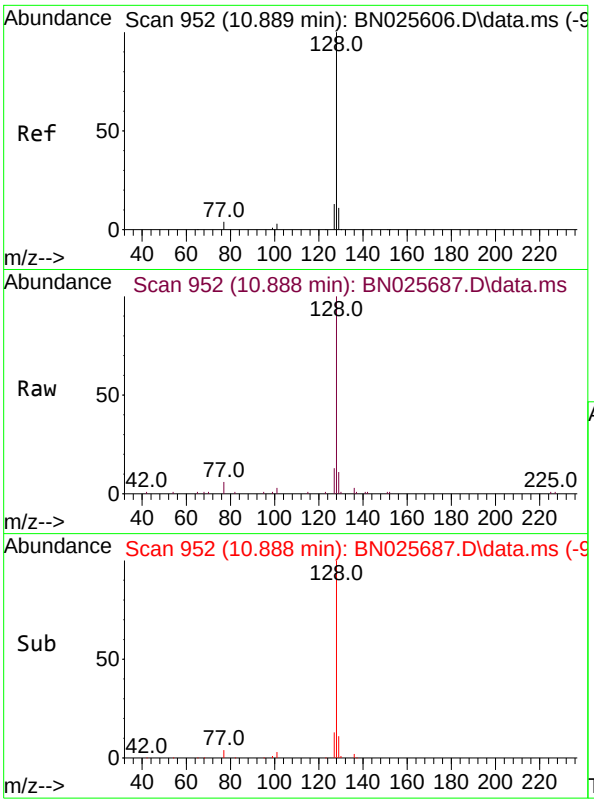


#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 9.180 min Scan# 792
Delta R.T. -0.011 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion: 82 Resp: 5331

Ion	Ratio	Lower	Upper
82	100		
128	35.1	32.5	48.7
54	57.8	40.6	60.8



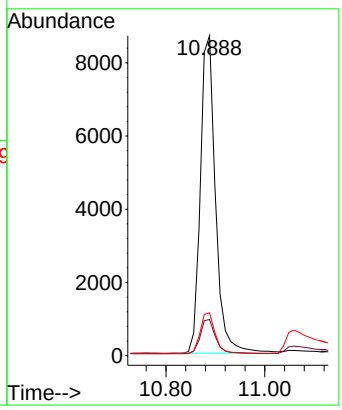


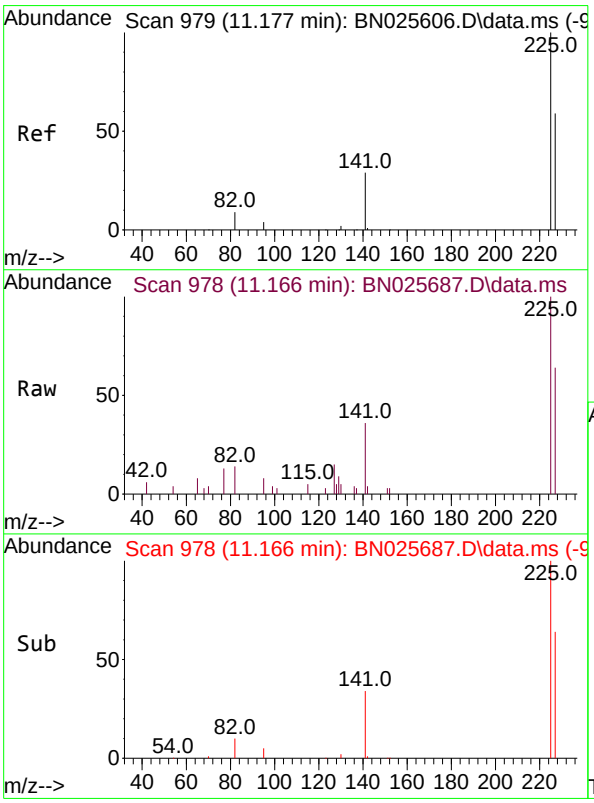
#9
Naphthalene
Concen: 0.410 ng
RT: 10.888 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:128 Resp: 18443

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.4	11.0	16.6

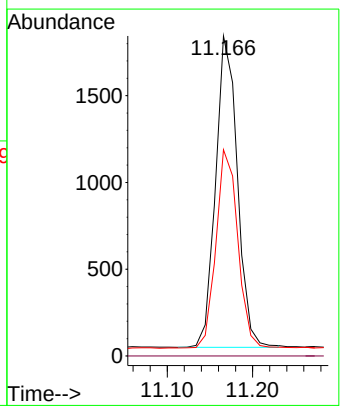


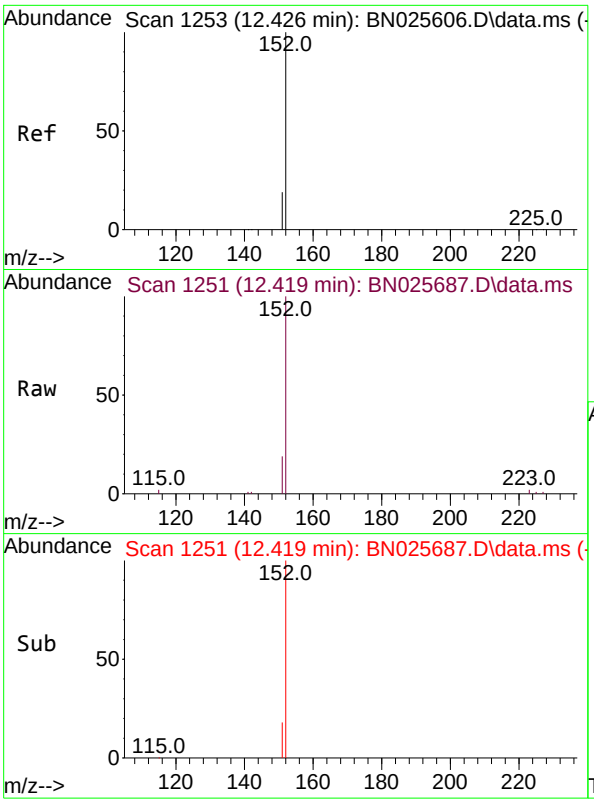


#10
Hexachlorobutadiene
Concen: 0.407 ng
RT: 11.166 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:225 Resp: 3179

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	48.4	72.6



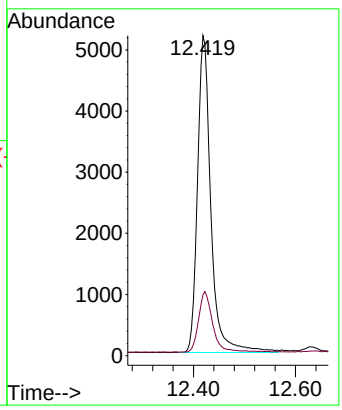


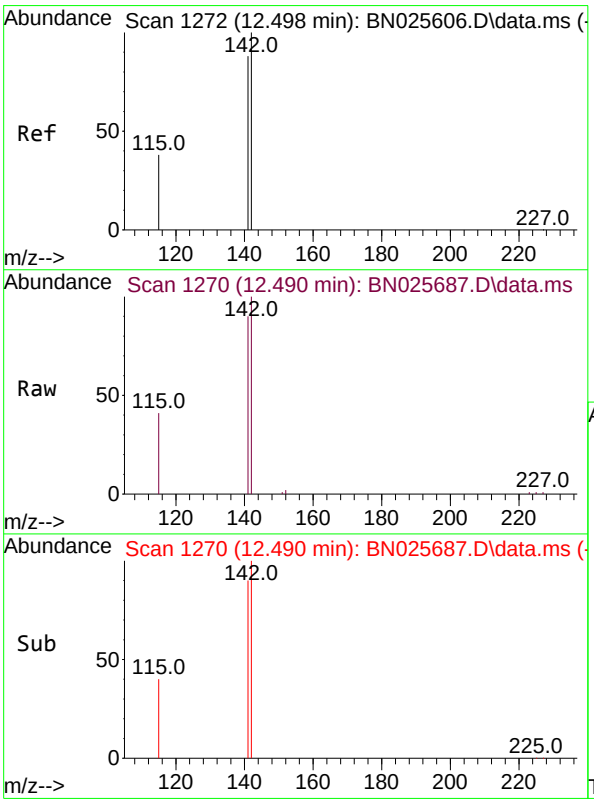
#11
2-Methylnaphthalene-d10
Concen: 0.403 ng
RT: 12.419 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:152 Resp: 9458

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1

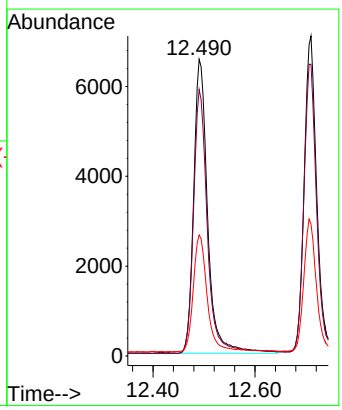


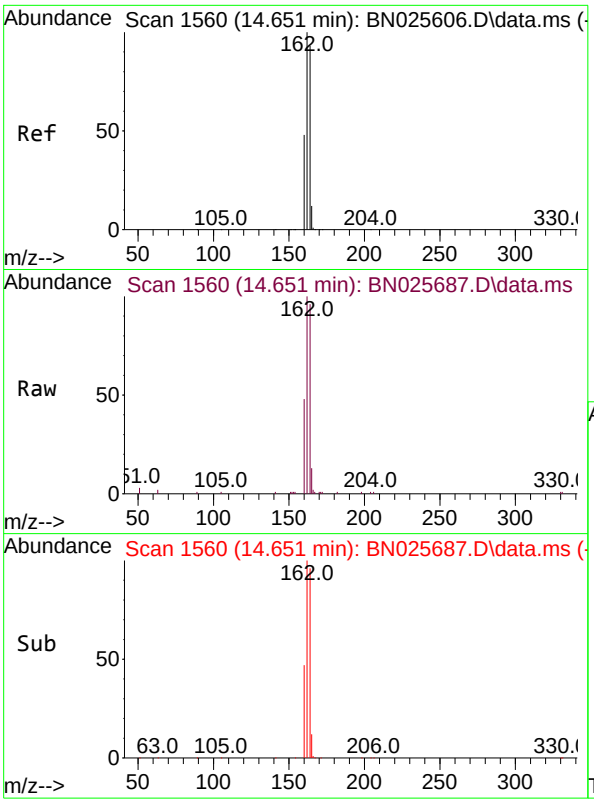


#12
2-Methylnaphthalene
Concen: 0.404 ng
RT: 12.490 min Scan# 1270
Delta R.T. -0.004 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:142 Resp: 12517

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.7	106.1
115	40.8	31.5	47.3



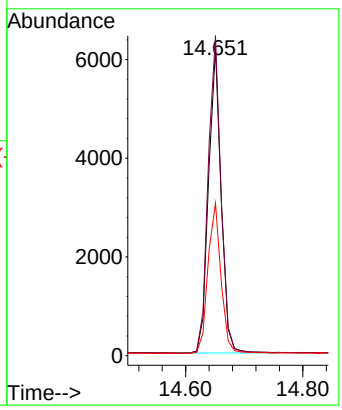


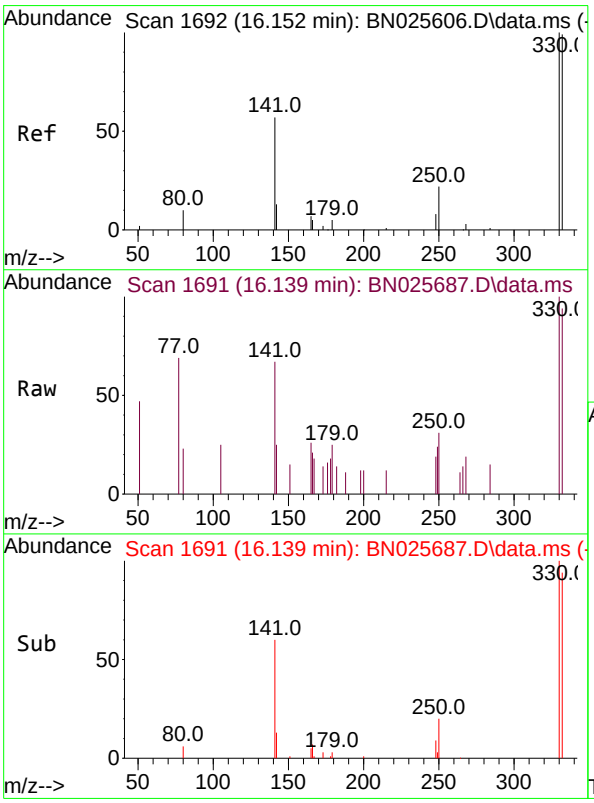
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:164 Resp: 9213

Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.4	129.6
160	49.7	41.9	62.9

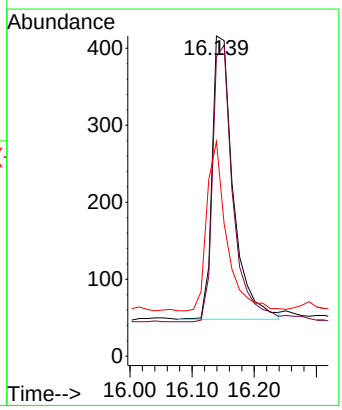


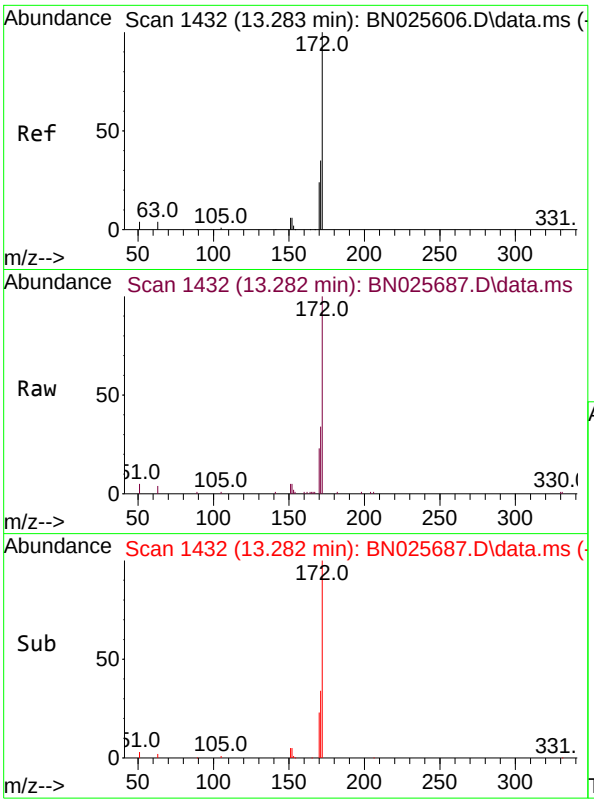


#14
2,4,6-Tribromophenol
Concen: 0.464 ng
RT: 16.139 min Scan# 1691
Delta R.T. -0.013 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:330 Resp: 865

Ion	Ratio	Lower	Upper
330	100		
332	95.0	80.0	120.0
141	56.5	45.8	68.6



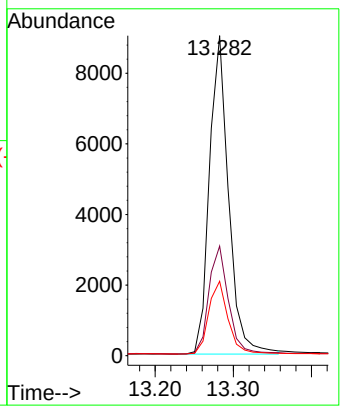


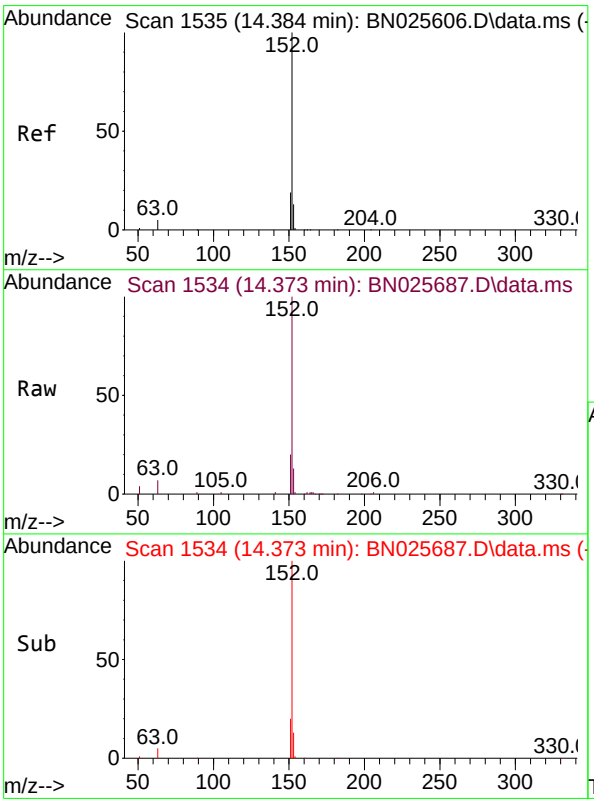
#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 13.282 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:172 Resp: 15377

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	42.8
170	23.3	19.7	29.5

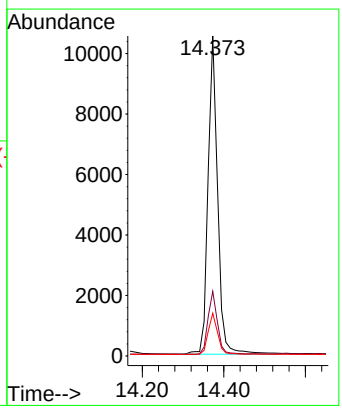


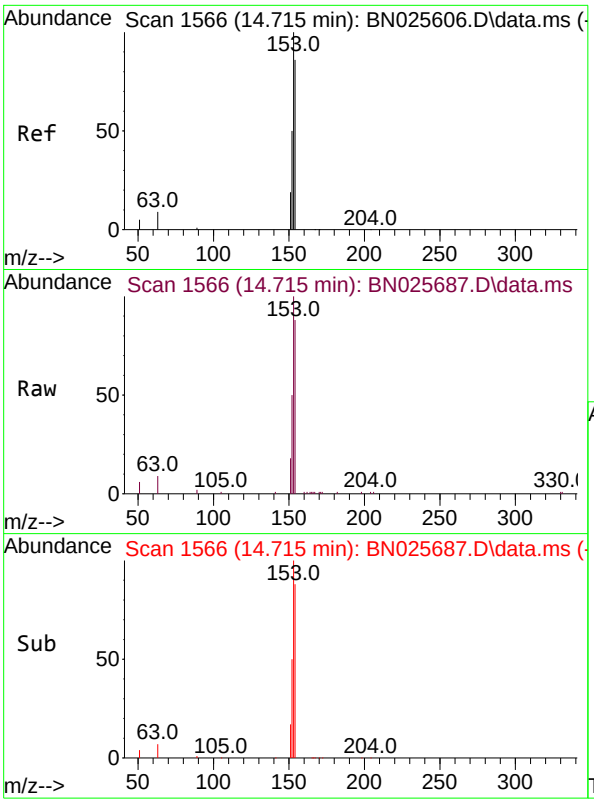


#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.373 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:152 Resp: 17228

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.8	10.6	15.8





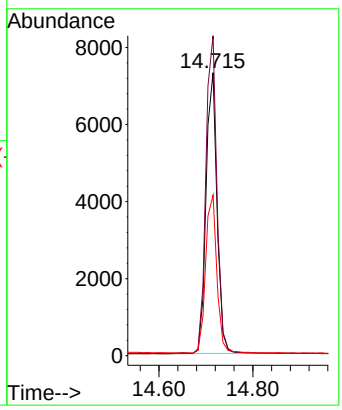
#17
Acenaphthene
Concen: 0.413 ng
RT: 14.715 min Scan# 1

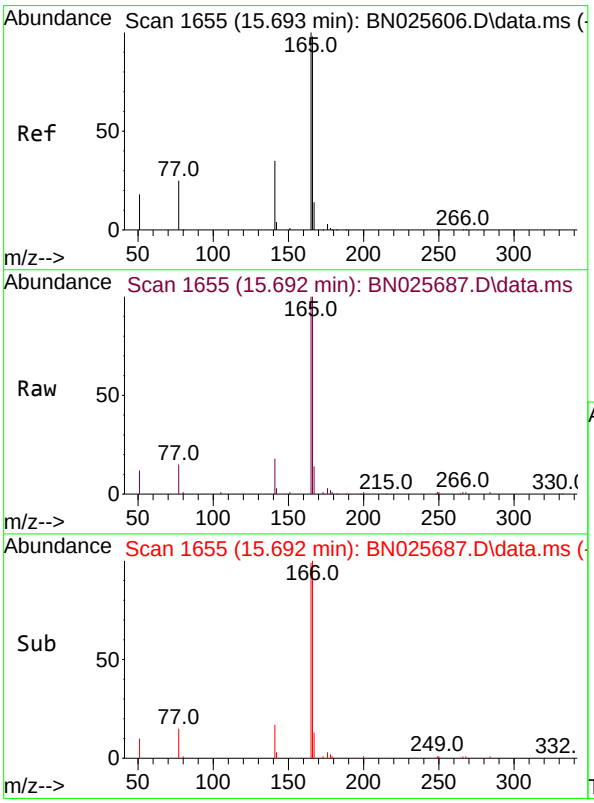
Instrument :
BNA_N
ClientSampleId :
PB153028BS

Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:154 Resp: 11826

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.9	137.9
152	57.9	45.4	68.2

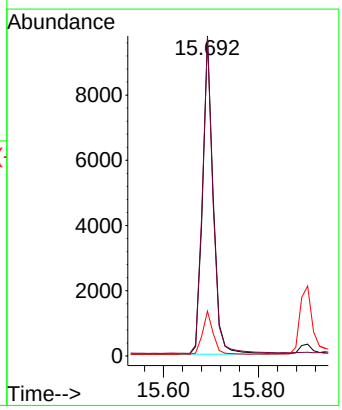


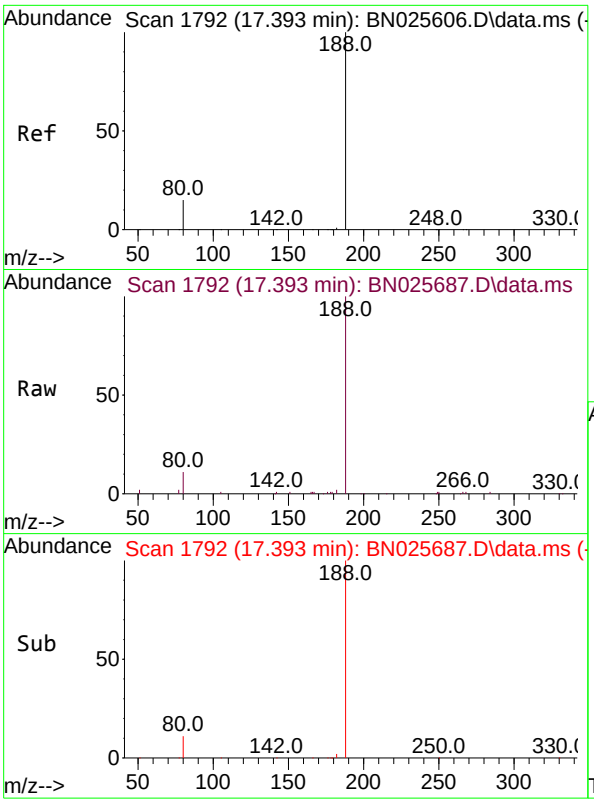


#18
Fluorene
Concen: 0.400 ng
RT: 15.692 min Scan# 1655
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:166 Resp: 15173

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.3	118.9
167	13.4	10.7	16.1



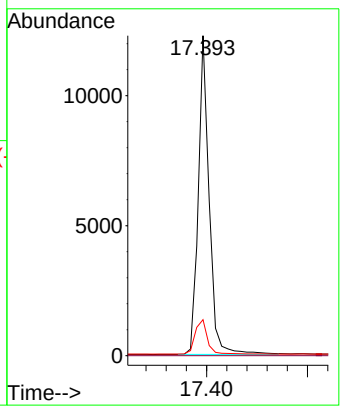


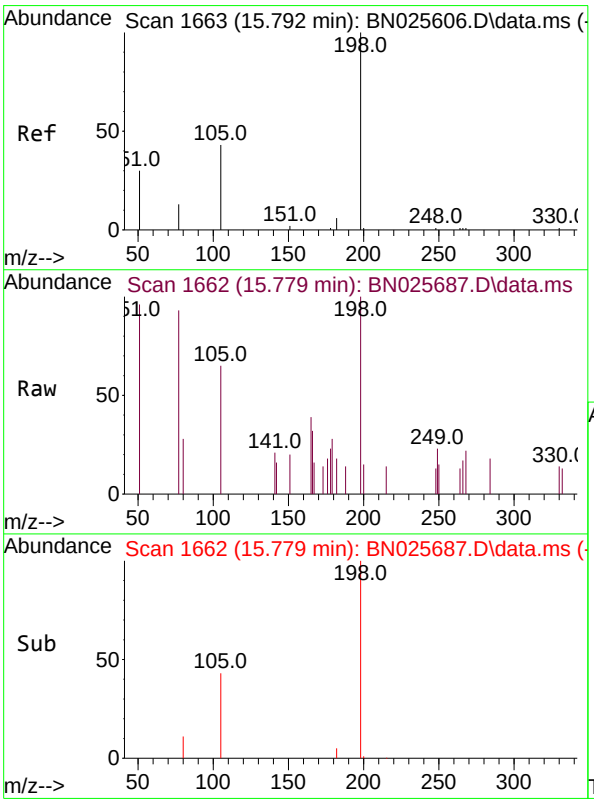
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:188 Resp: 18397

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	12.2	18.2#

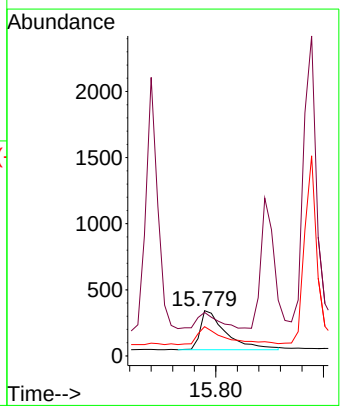


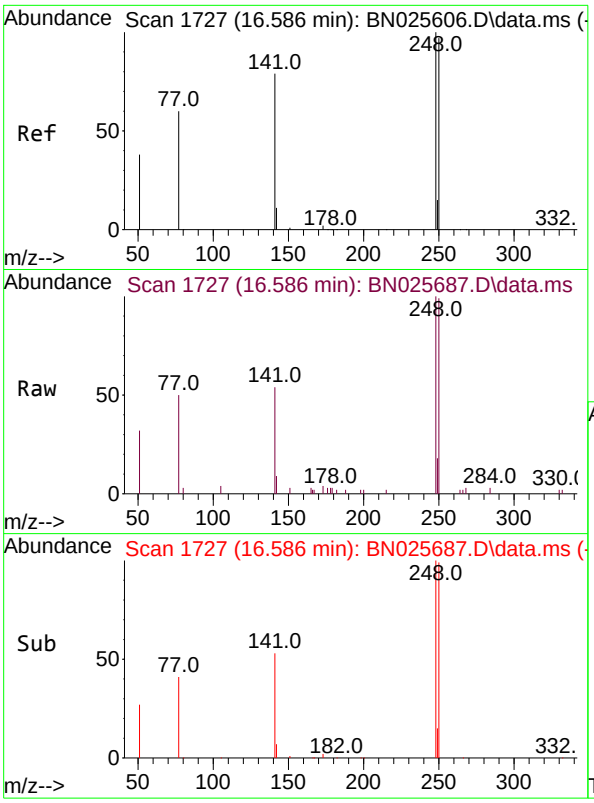


#20
4,6-Dinitro-2-methylphenol
Concen: 0.498 ng
RT: 15.779 min Scan# 1662
Delta R.T. -0.013 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:198 Resp: 985

Ion	Ratio	Lower	Upper
198	100		
51	96.2	110.8	166.2#
105	64.6	61.9	92.9



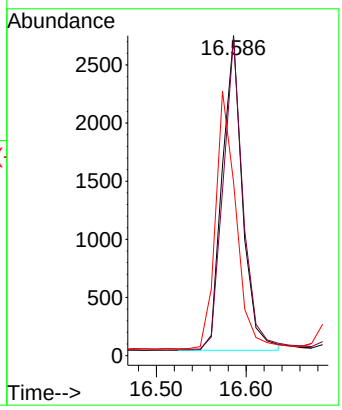


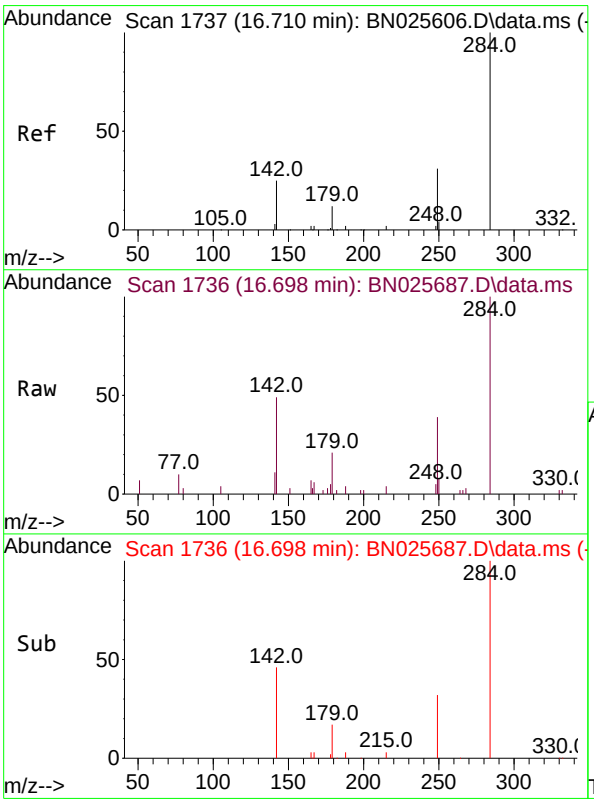
#21
4-Bromophenyl-phenylether
Concen: 0.407 ng
RT: 16.586 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:248 Resp: 4250

Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.5	116.3
141	54.2	64.0	96.0#

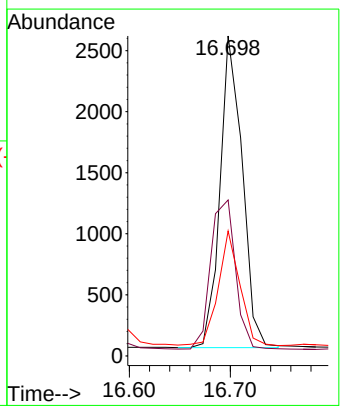


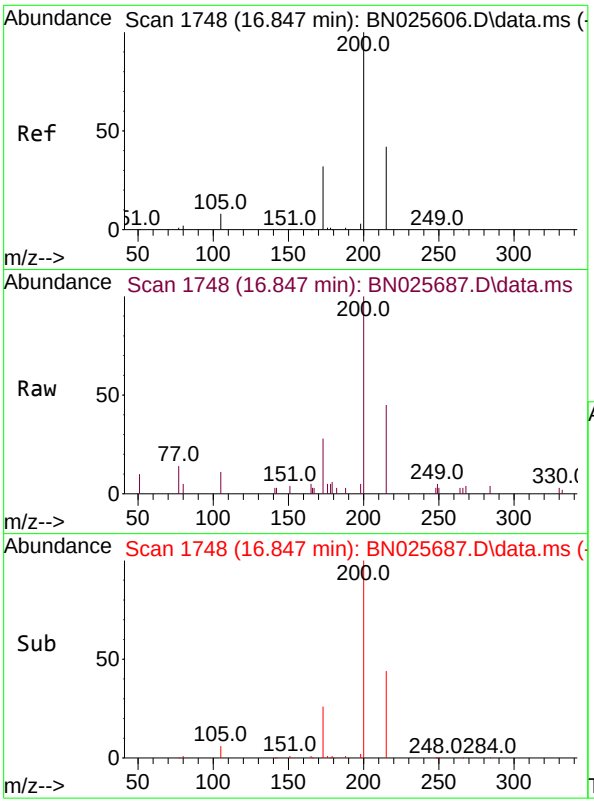


#22
Hexachlorobenzene
Concen: 0.409 ng
RT: 16.698 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:284 Resp: 3900

Ion	Ratio	Lower	Upper
284	100		
142	53.3	42.0	63.0
249	35.7	28.6	43.0



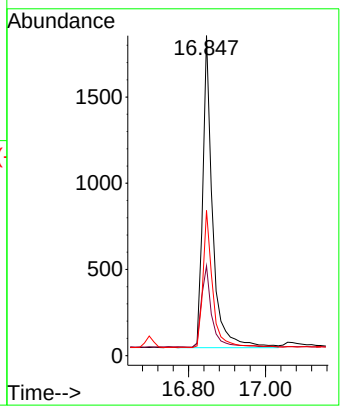


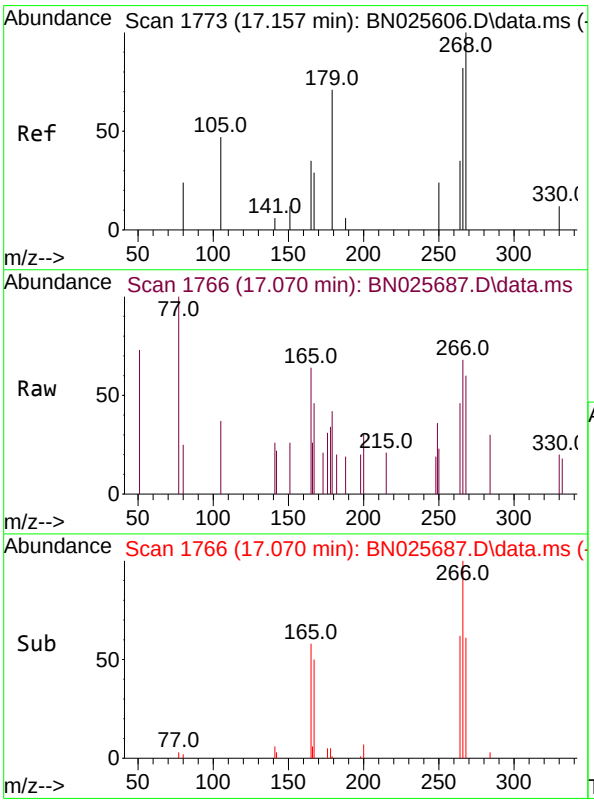
#23
Atrazine
Concen: 0.384 ng
RT: 16.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:200 Resp: 3202

Ion	Ratio	Lower	Upper
200	100		
173	28.0	27.9	41.9
215	45.4	35.1	52.7

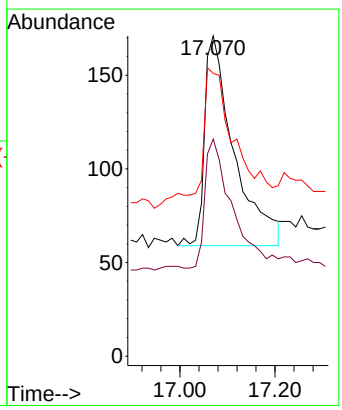


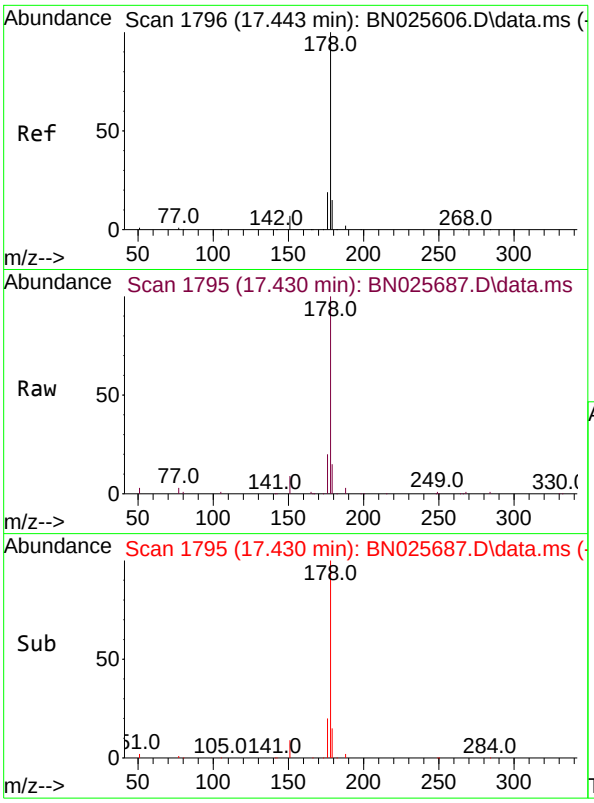


#24
Pentachlorophenol
Concen: 0.723 ng
RT: 17.070 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:266 Resp: 483

Ion	Ratio	Lower	Upper
266	100		
264	57.8	60.0	90.0#
268	57.1	0.0	0.0#



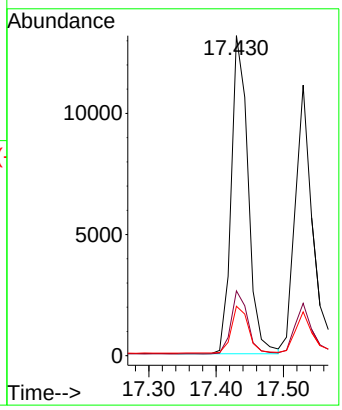


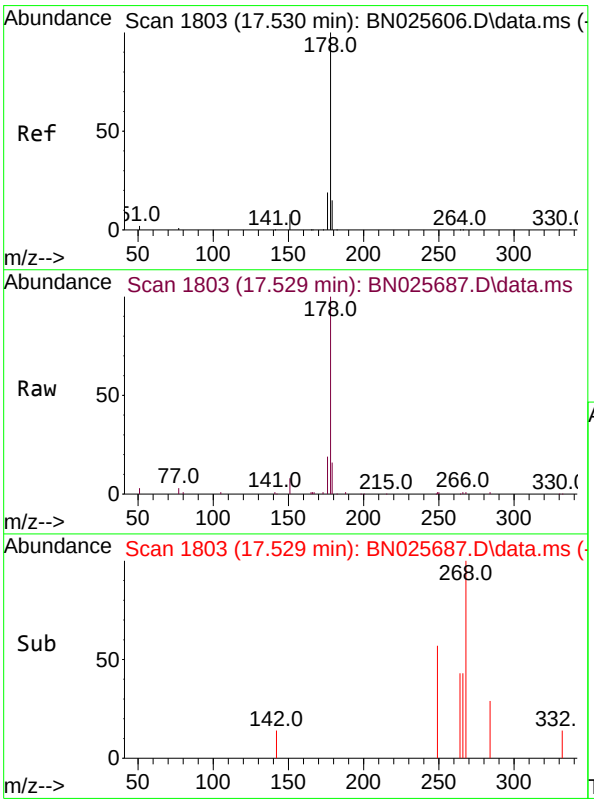
#25
Phenanthrene
Concen: 0.409 ng
RT: 17.430 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:178 Resp: 22881

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.1	12.6	19.0

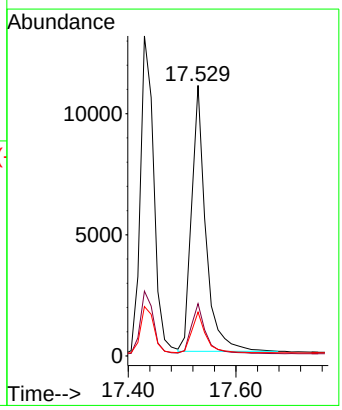


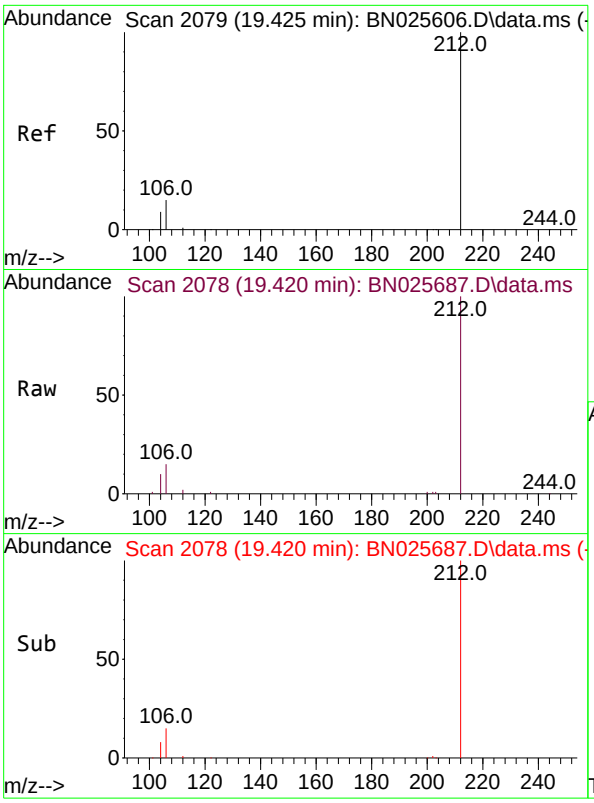


#26
Anthracene
Concen: 0.396 ng
RT: 17.529 min Scan# 1803
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:178 Resp: 20069

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.1	12.2	18.2



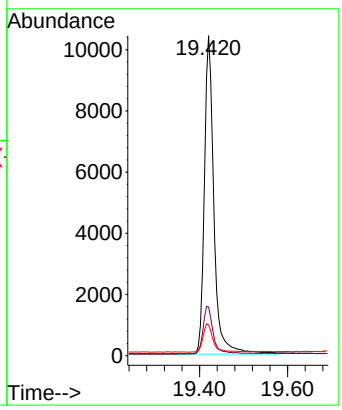


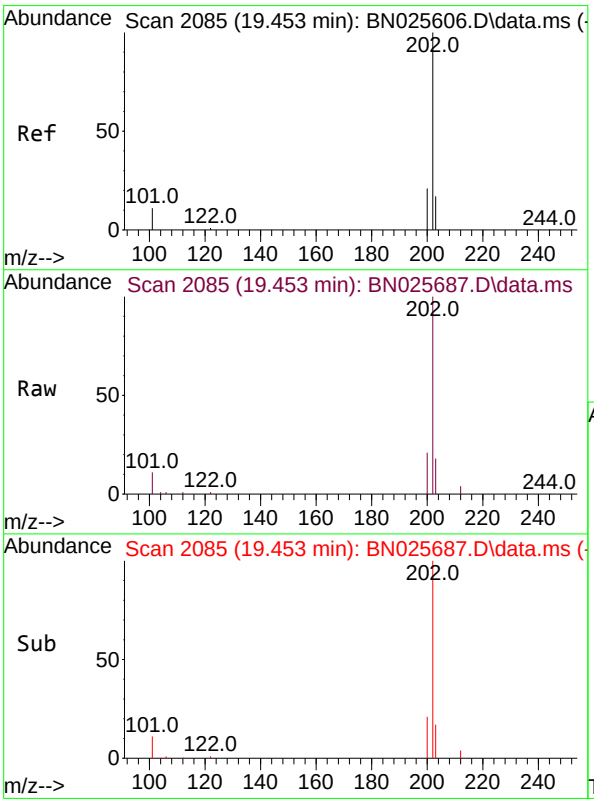
#27
Fluoranthene-d10
Concen: 0.374 ng
RT: 19.420 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:212 Resp: 15598

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.3	18.5
104	9.1	7.2	10.8

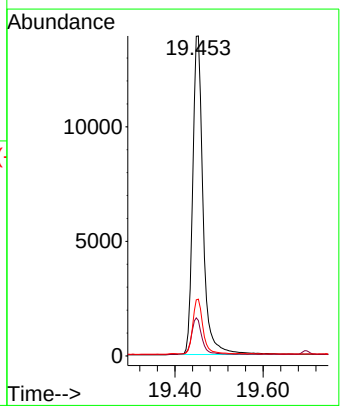


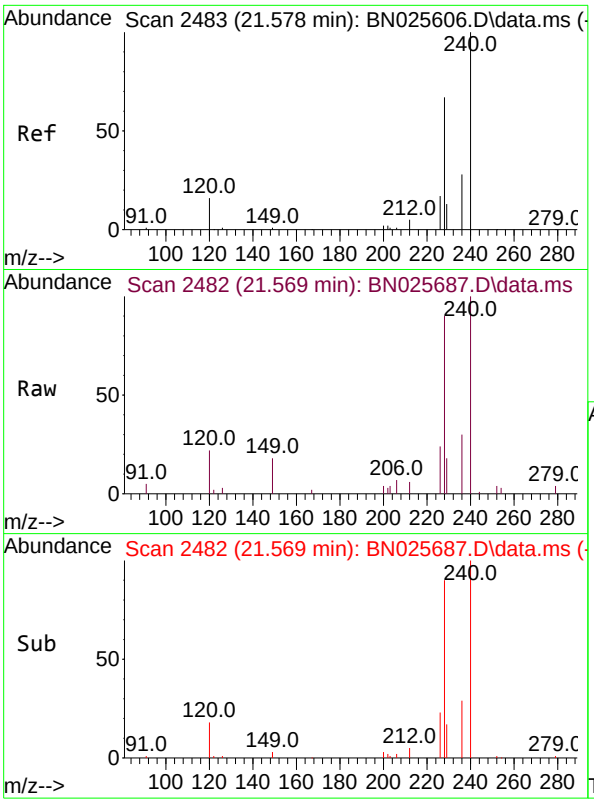


#28
Fluoranthene
Concen: 0.374 ng
RT: 19.453 min Scan# 2085
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:202 Resp: 22818

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.2	13.8
203	16.9	13.3	19.9



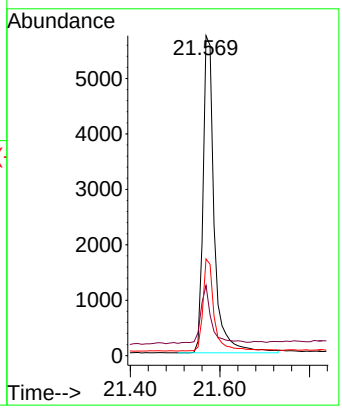


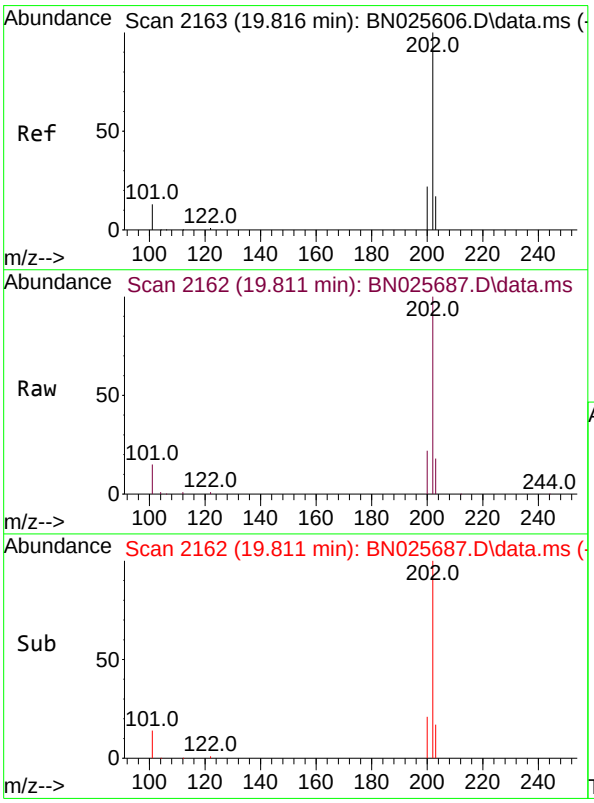
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.569 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:240 Resp: 10006

Ion	Ratio	Lower	Upper
240	100		
120	21.9	15.4	23.0
236	30.2	23.2	34.8

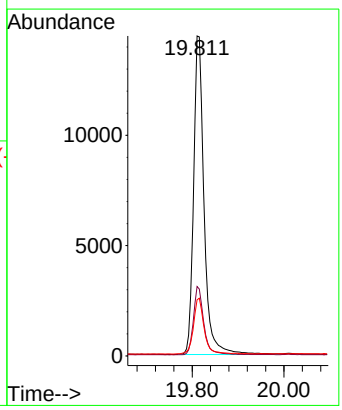


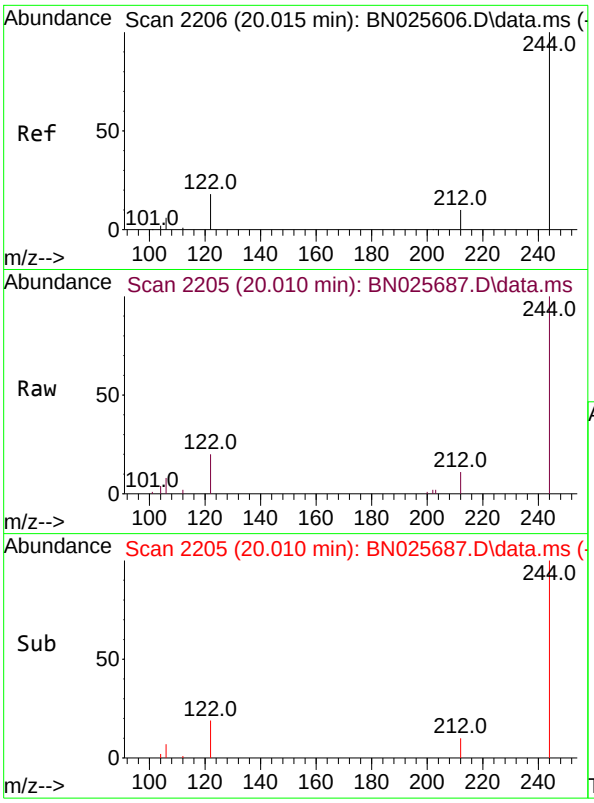


#30
Pyrene
Concen: 0.471 ng
RT: 19.811 min Scan# 2162
Delta R.T. -0.005 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:202 Resp: 22933

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.6	14.5	21.7



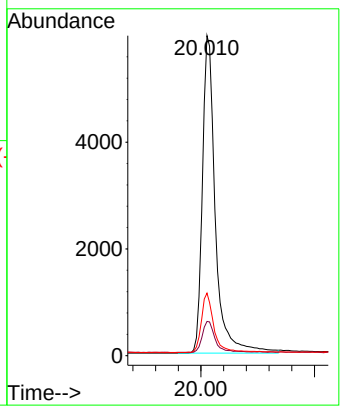


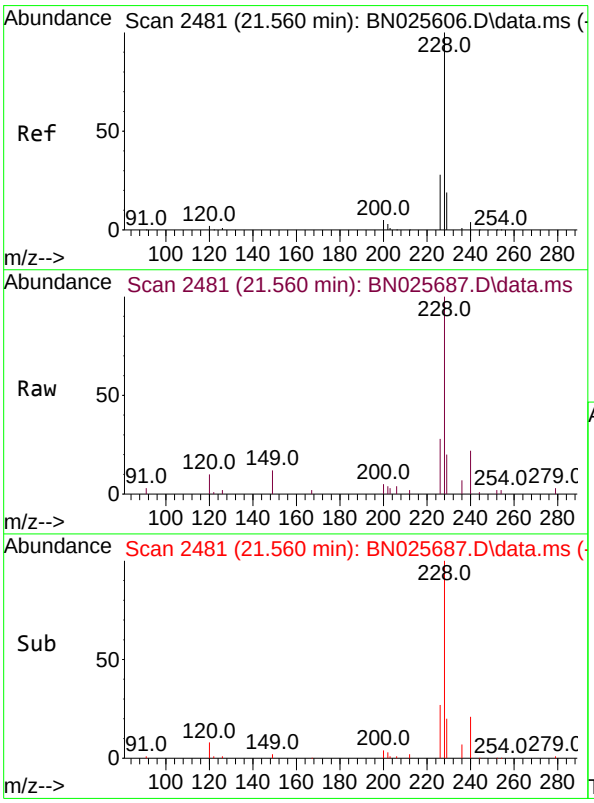
#31
Terphenyl-d14
Concen: 0.430 ng
RT: 20.010 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:244 Resp: 9417

Ion	Ratio	Lower	Upper
244	100		
212	10.7	8.5	12.7
122	19.5	14.9	22.3

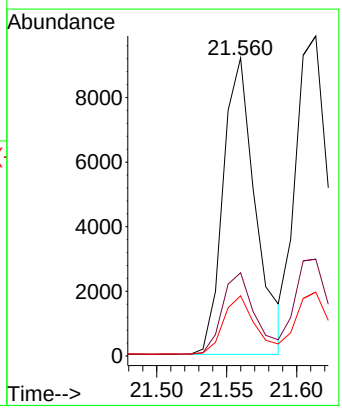


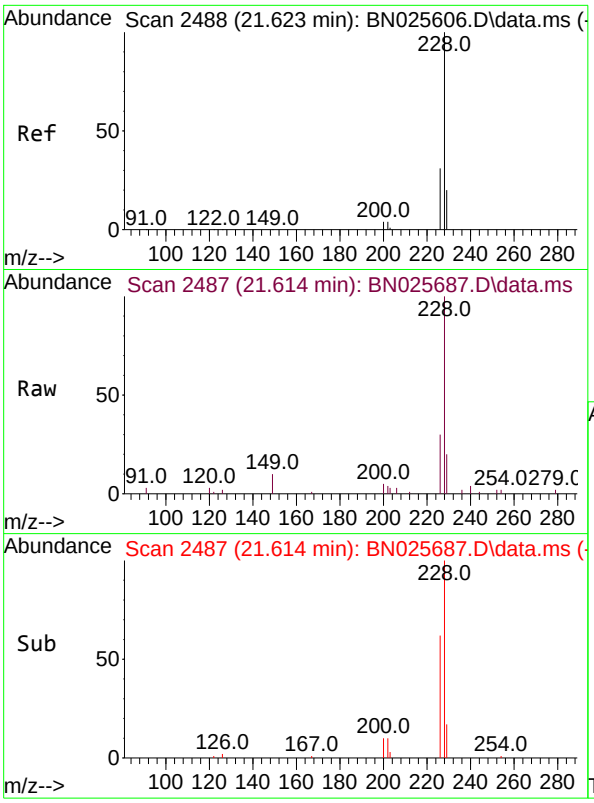


#32
Benzo(a)anthracene
Concen: 0.398 ng
RT: 21.560 min Scan# 2481
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:228 Resp: 14833

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.9	34.3
229	20.2	15.9	23.9



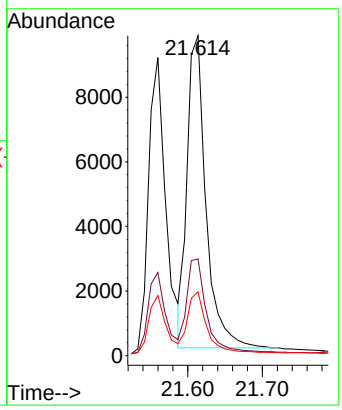


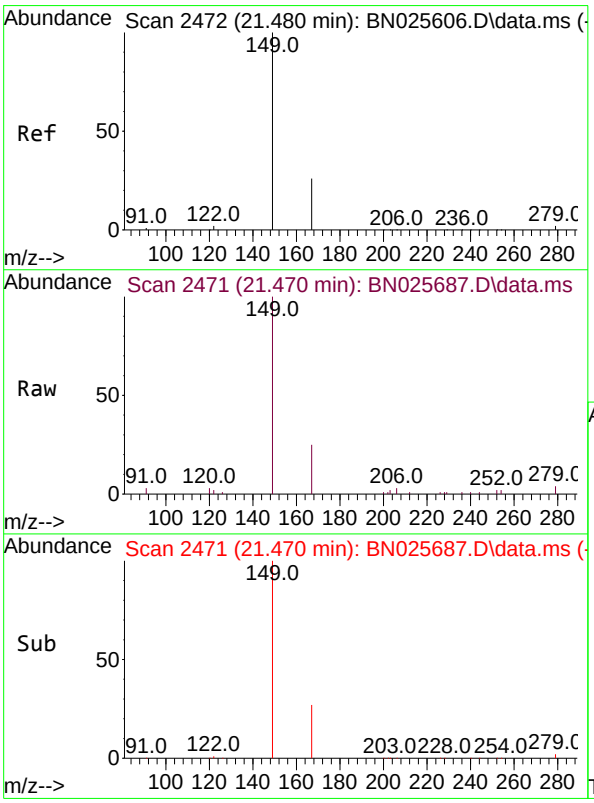
#33
Chrysene
Concen: 0.421 ng
RT: 21.614 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:228 Resp: 17024

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.9	16.2	24.4

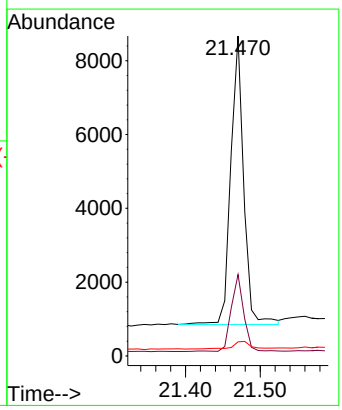


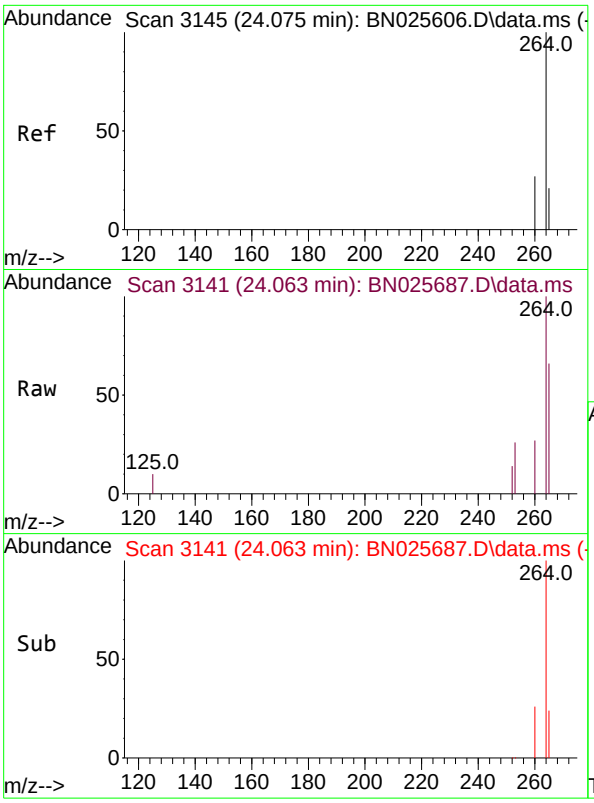


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.412 ng
RT: 21.470 min Scan# 2471
Delta R.T. -0.000 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:149 Resp: 9359

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.4	30.6
279	3.6	3.3	4.9



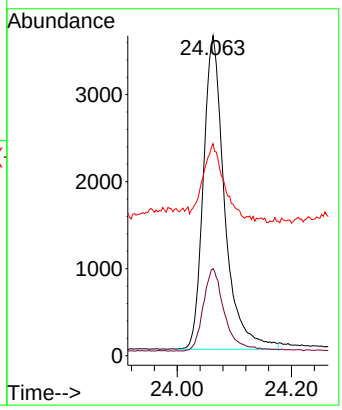


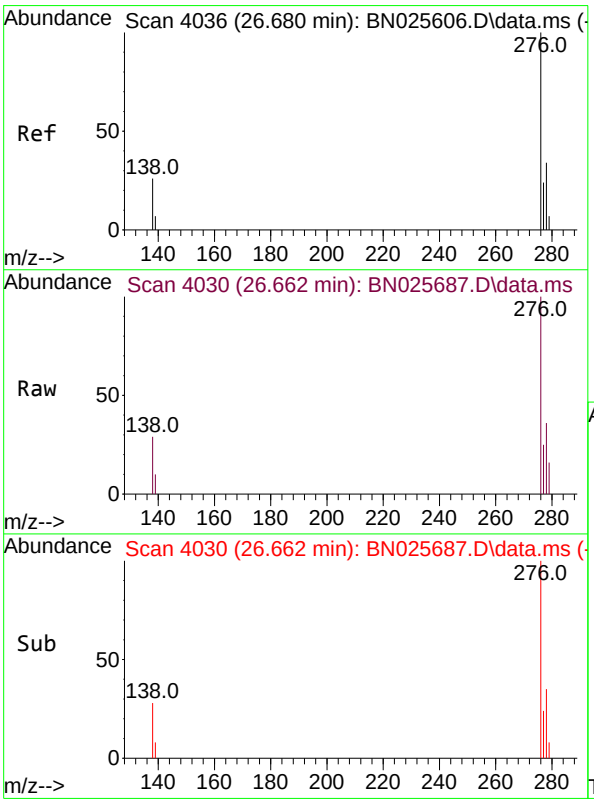
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.063 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:264 Resp: 9301

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.3	33.5
265	66.3	54.3	81.5

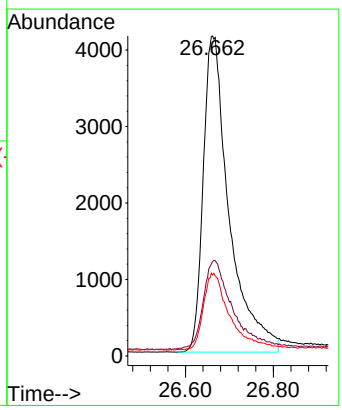


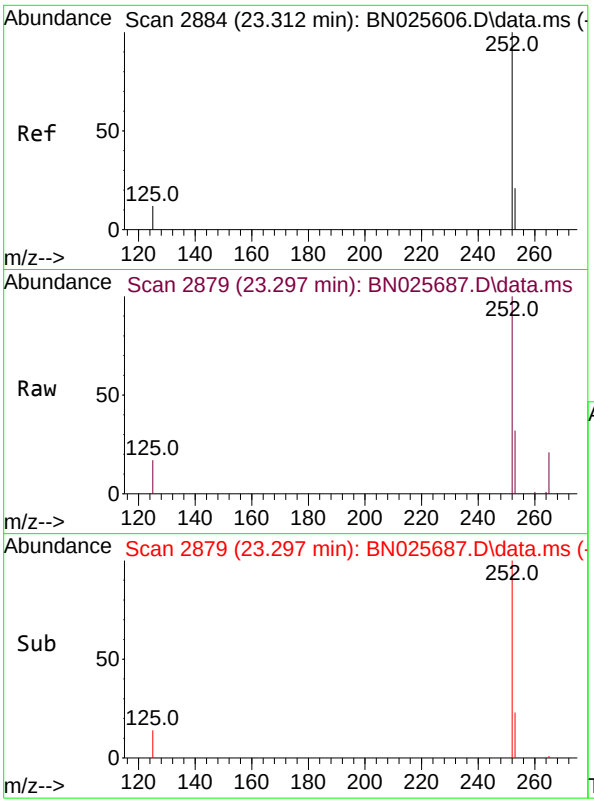


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.476 ng
RT: 26.662 min Scan# 4030
Delta R.T. -0.018 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:276 Resp: 16990

Ion	Ratio	Lower	Upper
276	100		
138	31.2	10.5	15.7#
277	24.7	9.2	13.8#



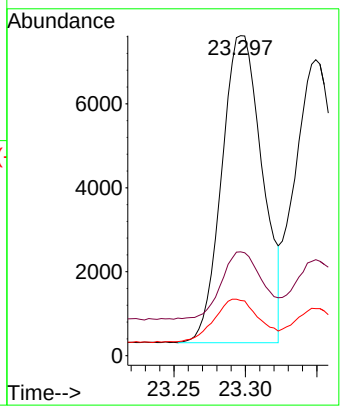


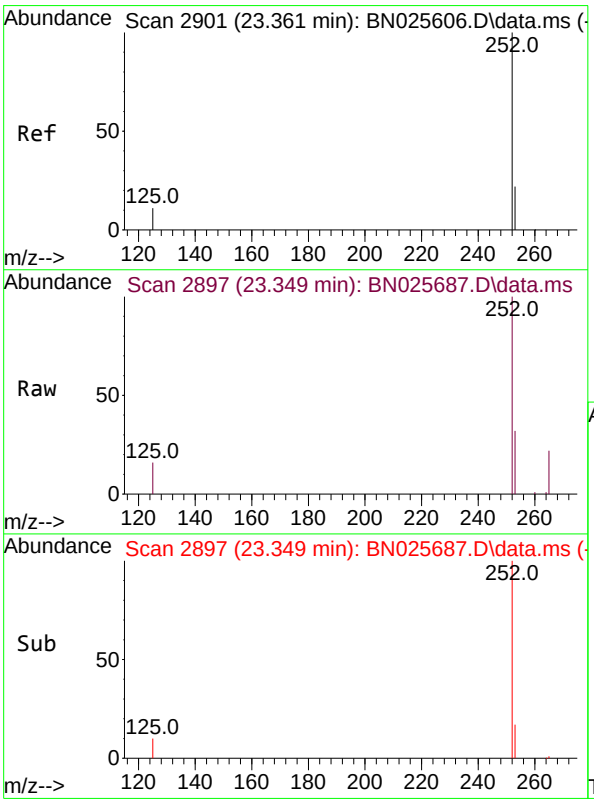
#37
Benzo(b)fluoranthene
Concen: 0.409 ng
RT: 23.297 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:252 Resp: 14480

Ion	Ratio	Lower	Upper
252	100		
253	32.5	26.2	39.4
125	17.3	12.9	19.3

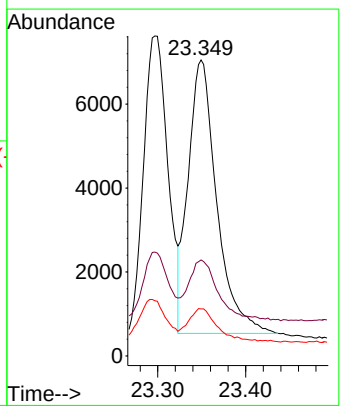


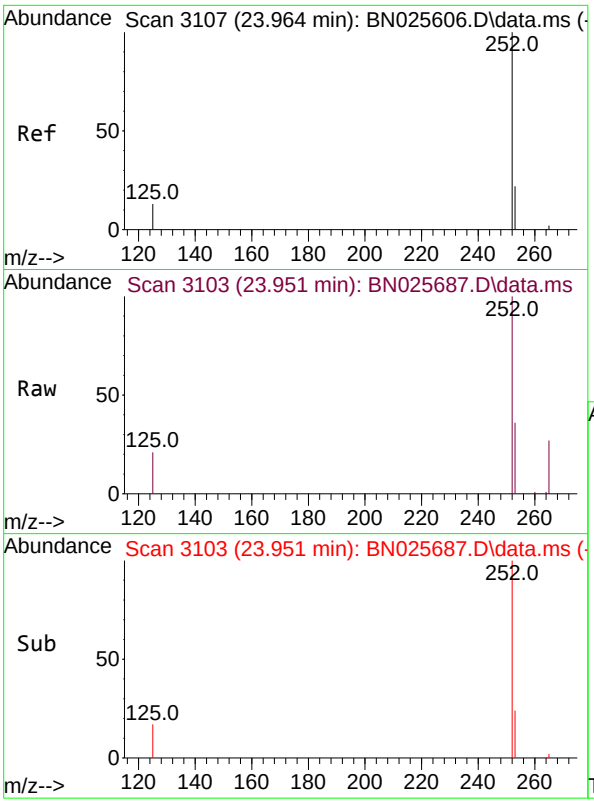


#38
Benzo(k)fluoranthene
Concen: 0.401 ng
RT: 23.349 min Scan# 2897
Delta R.T. -0.006 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:252 Resp: 14773

Ion	Ratio	Lower	Upper
252	100		
253	32.4	26.1	39.1
125	15.9	12.5	18.7



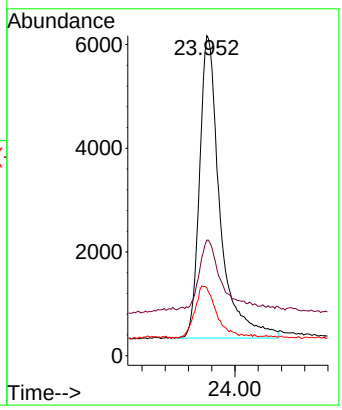


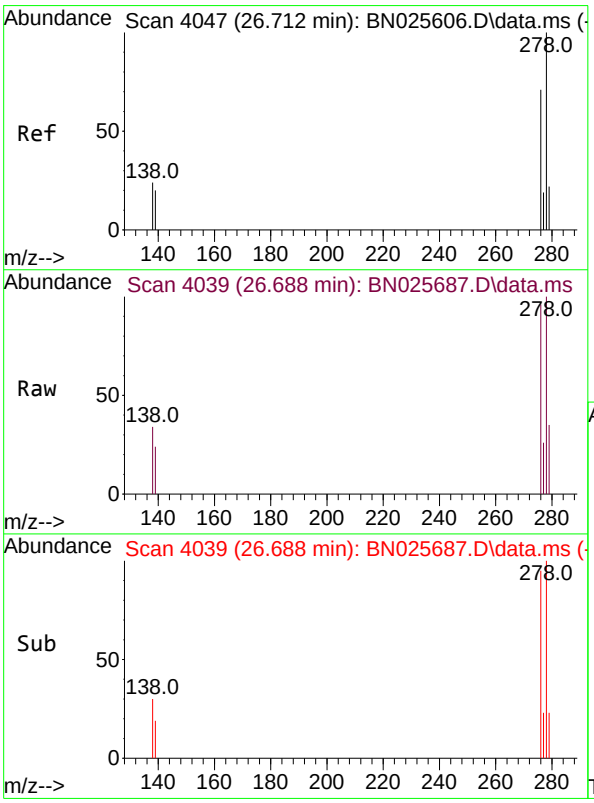
#39
Benzo(a)pyrene
Concen: 0.420 ng
RT: 23.951 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:252 Resp: 14218

Ion	Ratio	Lower	Upper
252	100		
253	36.1	30.2	45.2
125	21.1	14.8	22.2

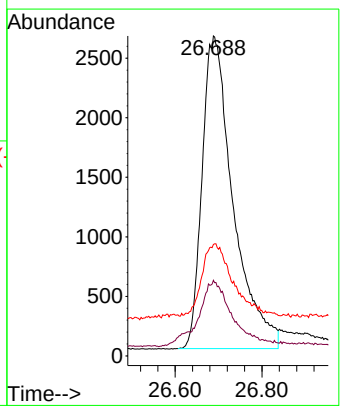


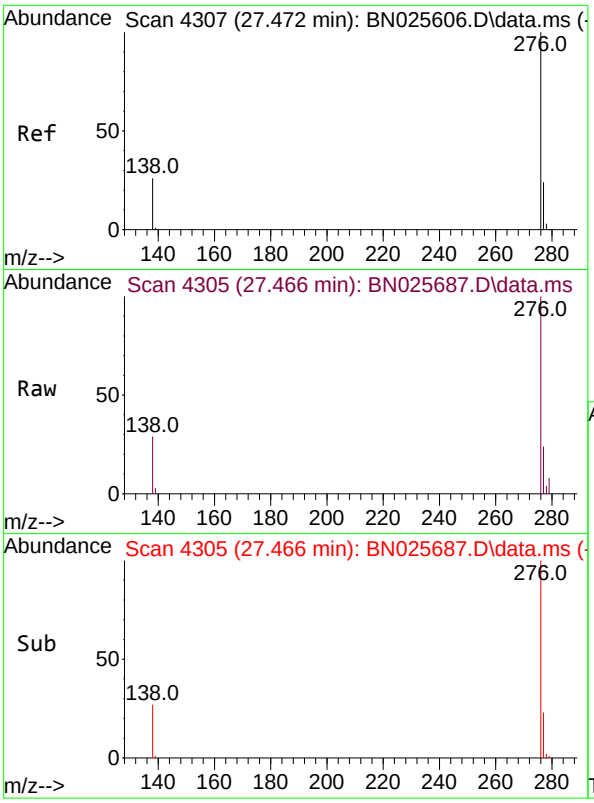


#40
Dibenzo(a,h)anthracene
Concen: 0.461 ng
RT: 26.688 min Scan# 4039
Delta R.T. -0.015 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Tgt Ion:278 Resp: 13024

Ion	Ratio	Lower	Upper
278	100		
139	23.6	18.6	28.0
279	34.8	27.8	41.8





#41
Benzo(g,h,i)perylene
Concen: 0.478 ng
RT: 27.466 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN025687.D
Acq: 28 May 2023 18:37

Instrument :
BNA_N
ClientSampleId :
PB153028BS

Tgt Ion:276 Resp: 15408

Ion	Ratio	Lower	Upper
276	100		
277	24.4	21.4	32.0
138	28.6	22.8	34.2