Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051823\
Data File : BN025480.D
Acq On : 18 May 2023 19:23
Operator : CG/JU
Sample : PB152856BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Quant Time: May 19 02:43:57 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	8.077	152	4582	0.400	ng	0.00
7) Naphthalene-d8	10.899	136	13090	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	7807	0.400	ng	0.00
19) Phenanthrene-d10	17.447	188	17602	0.400	ng	0.00
29) Chrysene-d12	21.625	240	13846	0.400	ng	# 0.00
35) Perylene-d12	24.147	264	13473	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.607	112	4745	0.459	ng	0.00
5) Phenol-d6	7.218	99	5977	0.450	ng	0.00
8) Nitrobenzene-d5	9.234	82	4783	0.458	ng	0.00
11) 2-Methylnaphthalene-d10	12.476	152	8436	0.463	ng	0.00
14) 2,4,6-Tribromophenol	16.194	330	1404	0.461	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	14657	0.491	ng	0.00
27) Fluoranthene-d10	19.469	212	18331	0.451	ng	0.00
31) Terphenyl-d14	20.058	244	12230	0.497	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.455	88	2215	0.474	ng	99
3) n-Nitrosodimethylamine	3.787	42	2273	0.441	ng	# 90
6) bis(2-Chloroethyl)ether	7.492	93	6352	0.492	ng	97
9) Naphthalene	10.942	128	15671	0.471	ng	98
10) Hexachlorobutadiene	11.241	225	3000	0.474	ng	# 98
12) 2-Methylnaphthalene	12.548	142	11277	0.468	ng	99
16) Acenaphthylene	14.427	152	16792	0.471	ng	100
17) Acenaphthene	14.769	154	11134	0.473	ng	98
18) Fluorene	15.747	166	14257	0.490	ng	99
20) 4,6-Dinitro-2-methylph...	15.809	198	1591	0.435	ng	94
21) 4-Bromophenyl-phenylether	16.641	248	4719	0.455	ng	95
22) Hexachlorobenzene	16.752	284	4533	0.468	ng	97
23) Atrazine	16.901	200	3746	0.444	ng	100
24) Pentachlorophenol	17.100	266	1762	0.361	ng	99
25) Phenanthrene	17.485	178	24181	0.469	ng	100
26) Anthracene	17.572	178	21932	0.454	ng	99
28) Fluoranthene	19.498	202	26923	0.459	ng	100
30) Pyrene	19.861	202	27215	0.493	ng	100
32) Benzo(a)anthracene	21.607	228	23637	0.471	ng	100
33) Chrysene	21.661	228	24828	0.499	ng	99
34) Bis(2-ethylhexyl)phtha...	21.536	149	13323	0.452	ng	100
36) Indeno(1,2,3-cd)pyrene	26.799	276	24894	0.457	ng	100
37) Benzo(b)fluoranthene	23.372	252	23071	0.461	ng	99
38) Benzo(k)fluoranthene	23.422	252	24163	0.473	ng	99
39) Benzo(a)pyrene	24.030	252	21099	0.448	ng	98
40) Dibenzo(a,h)anthracene	26.813	278	20238	0.463	ng	99
41) Benzo(g,h,i)perylene	27.606	276	21262	0.462	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051823\
Data File : BN025480.D
Acq On : 18 May 2023 19:23
Operator : CG/JU
Sample : PB152856BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Quant Time: May 19 02:43:57 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
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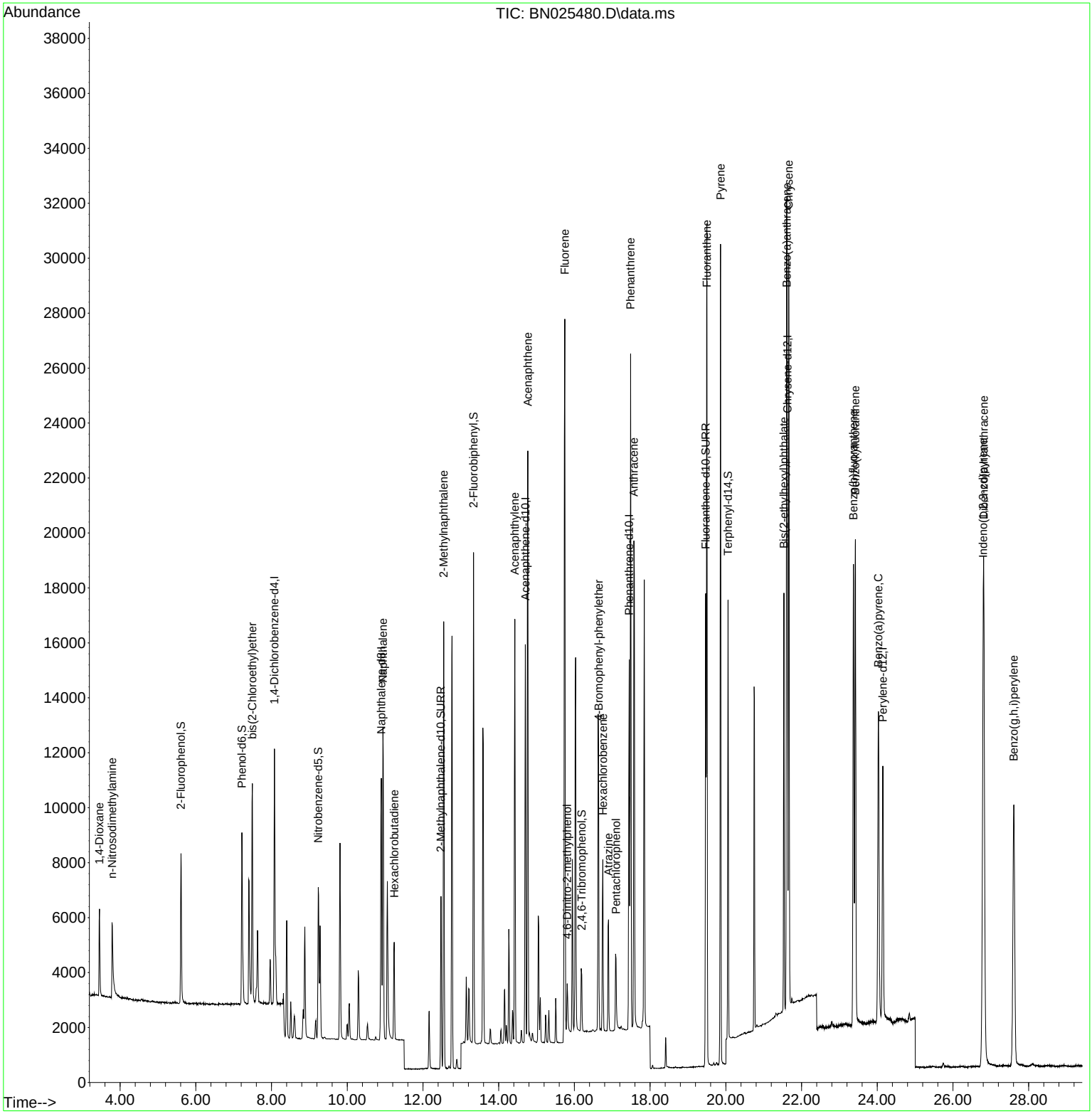
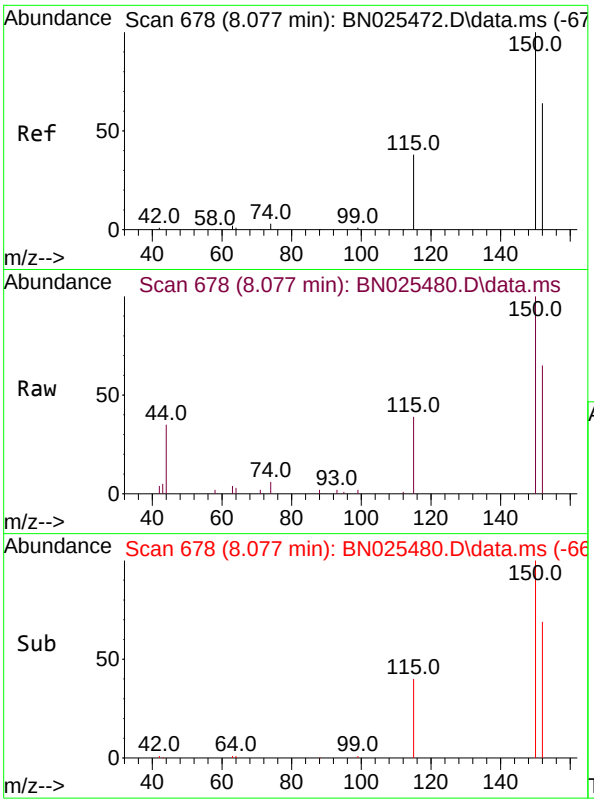


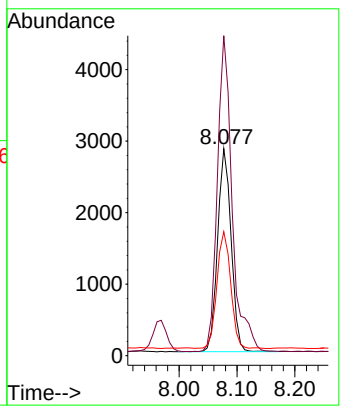


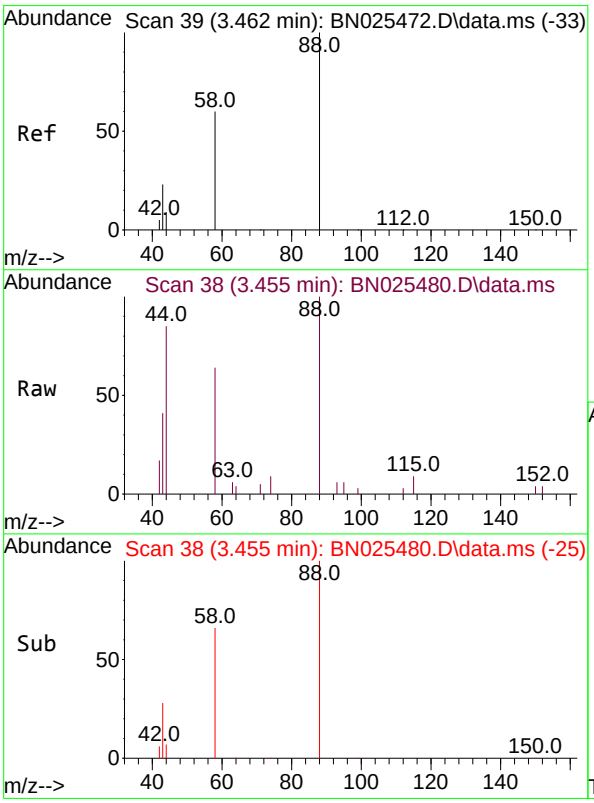
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.077 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:152 Resp: 4582

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.3	187.9
115	59.9	50.2	75.2

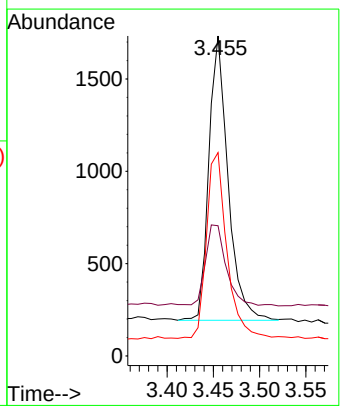


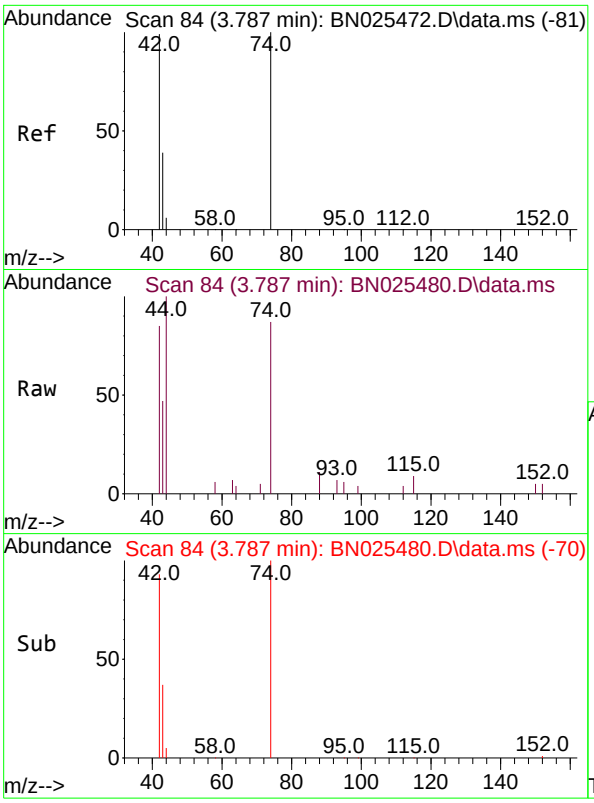


#2
1,4-Dioxane
Concen: 0.474 ng
RT: 3.455 min Scan# 38
Delta R.T. -0.007 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion: 88 Resp: 2215

Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.8	35.6
58	69.4	55.1	82.7



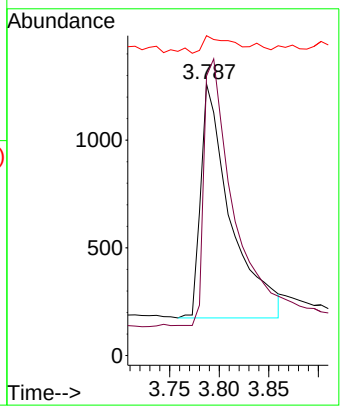


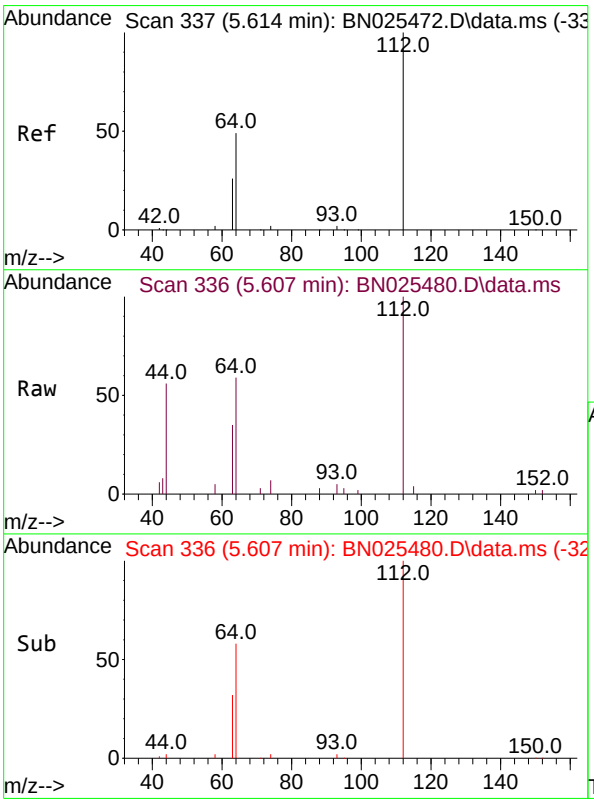
#3
n-Nitrosodimethylamine
Concen: 0.441 ng
RT: 3.787 min Scan# 84
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion: 42 Resp: 2273

Ion	Ratio	Lower	Upper
42	100		
74	113.7	100.2	150.4
44	6.2	8.6	12.8#

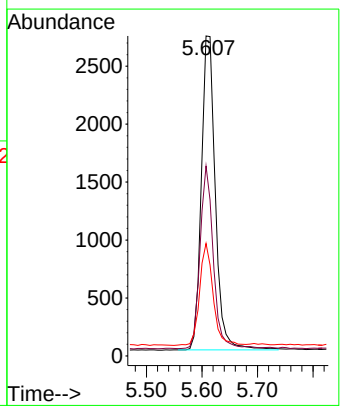


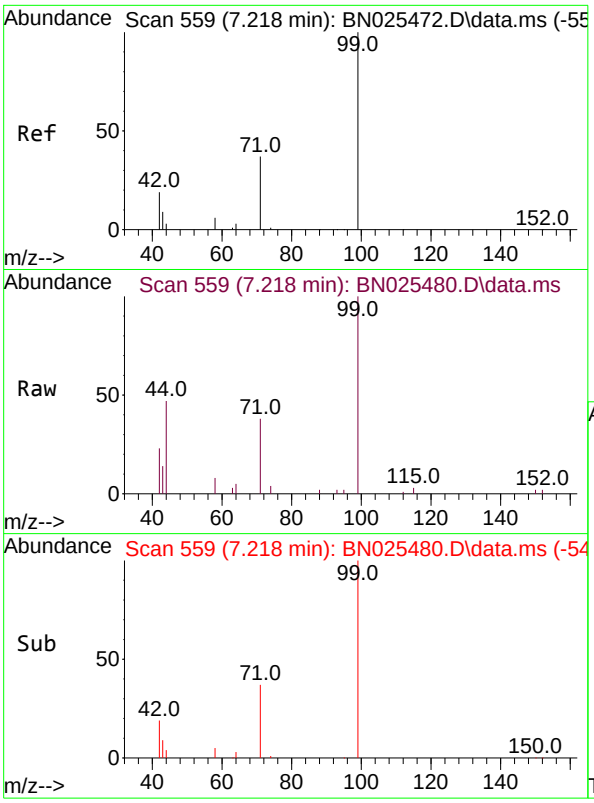


#4
2-Fluorophenol
Concen: 0.459 ng
RT: 5.607 min Scan# 336
Delta R.T. -0.007 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:112 Resp: 4745

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.0	66.0
63	31.2	24.0	36.0



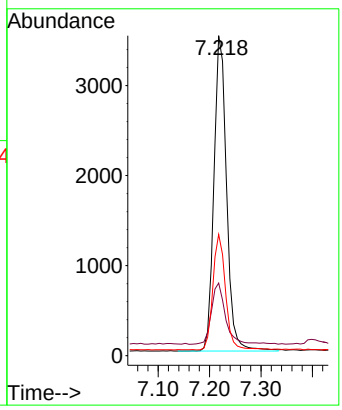


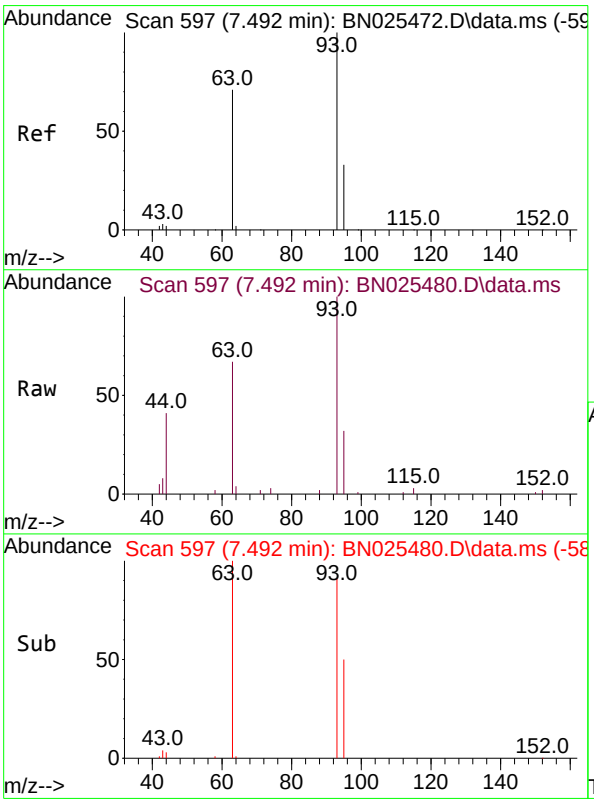
#5
Phenol-d6
Concen: 0.450 ng
RT: 7.218 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion: 99 Resp: 5977

Ion	Ratio	Lower	Upper
99	100		
42	21.9	15.8	23.8
71	36.7	28.6	43.0

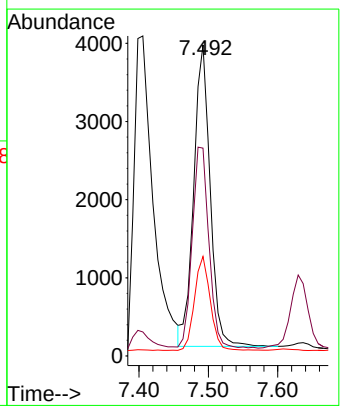


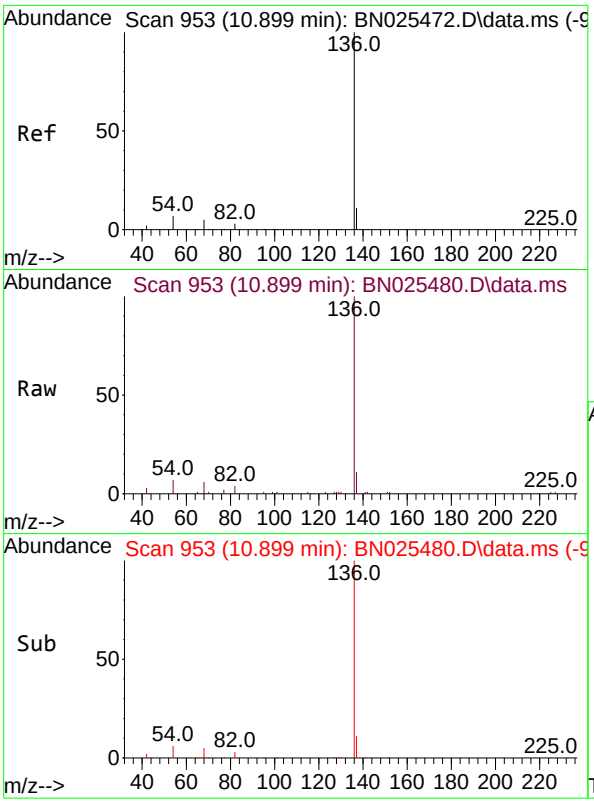


#6
bis(2-Chloroethyl)ether
Concen: 0.492 ng
RT: 7.492 min Scan# 597
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion: 93 Resp: 6352

Ion	Ratio	Lower	Upper
93	100		
63	67.7	55.8	83.6
95	29.9	25.7	38.5



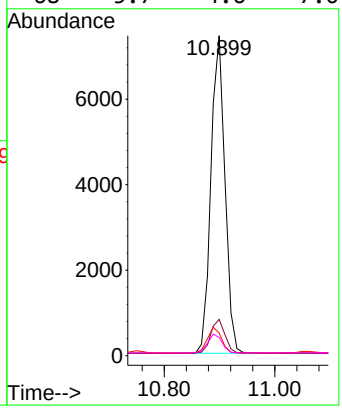


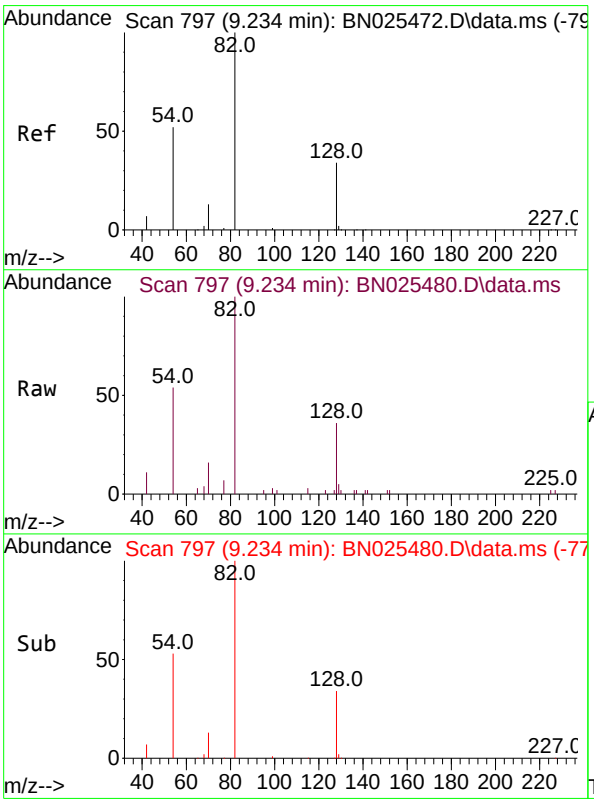
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.899 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:136 Resp: 13090

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.1	5.8	8.6
68	5.7	4.6	7.0

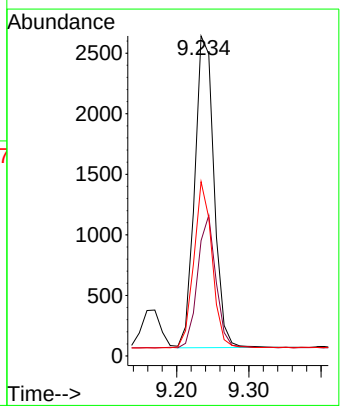


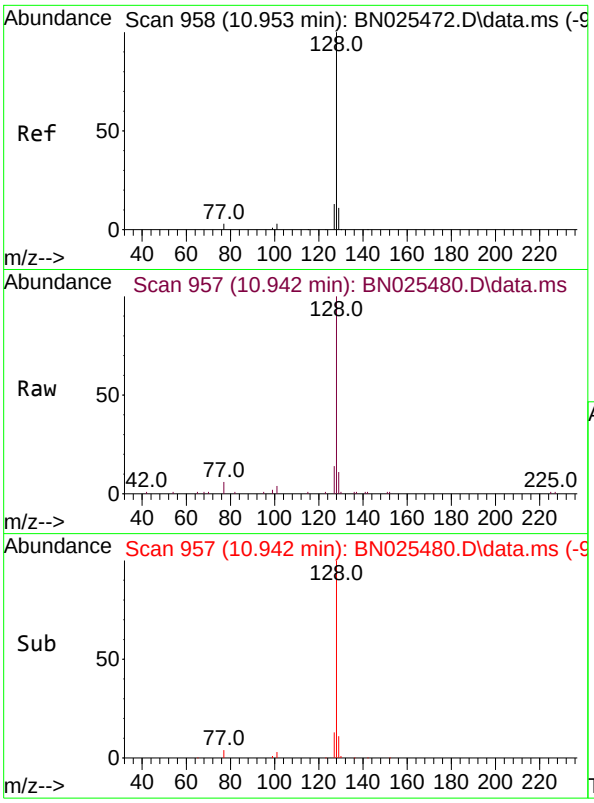


#8
Nitrobenzene-d5
Concen: 0.458 ng
RT: 9.234 min Scan# 797
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion: 82 Resp: 4783

Ion	Ratio	Lower	Upper
82	100		
128	36.1	27.9	41.9
54	54.5	42.4	63.6



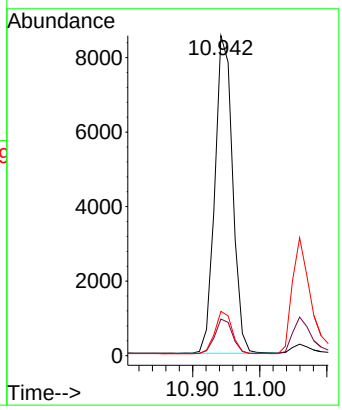


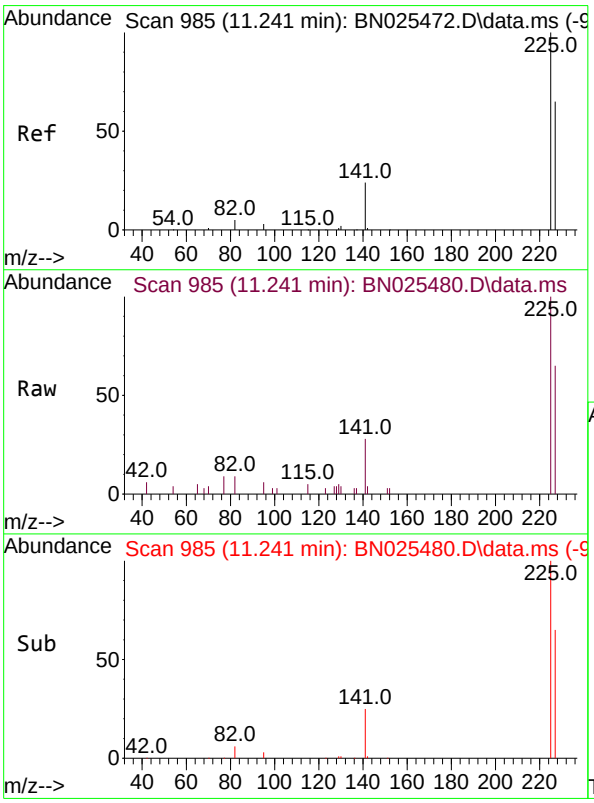
#9
Naphthalene
Concen: 0.471 ng
RT: 10.942 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:128 Resp: 15671

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.8	10.4	15.6

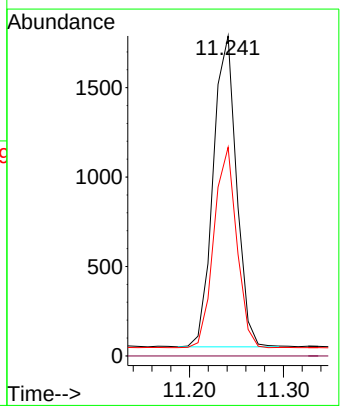


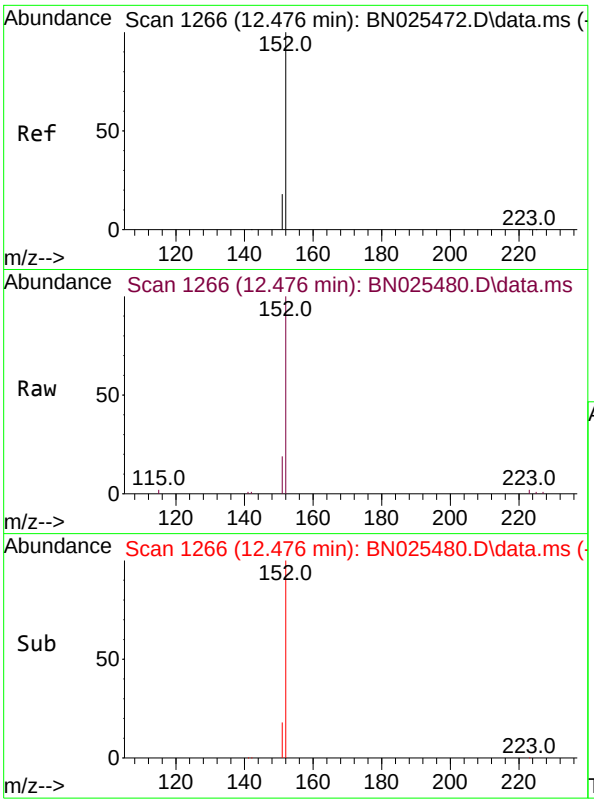


#10
Hexachlorobutadiene
Concen: 0.474 ng
RT: 11.241 min Scan# 985
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:225 Resp: 3000

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	51.4	77.2



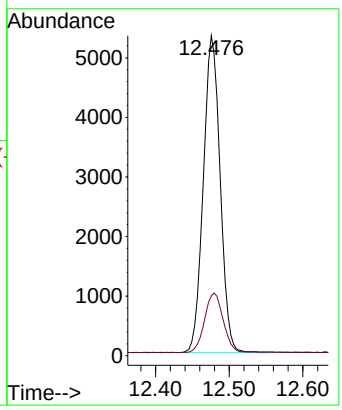


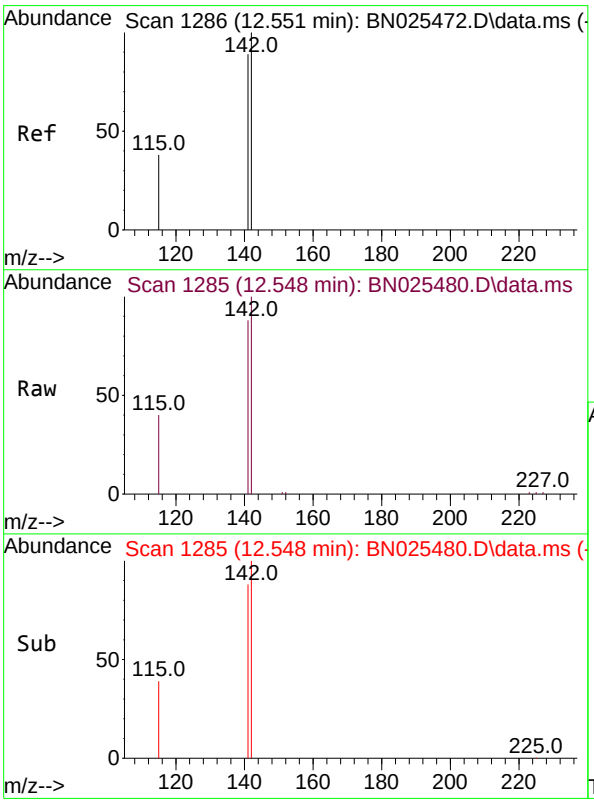
#11
2-Methylnaphthalene-d10
Concen: 0.463 ng
RT: 12.476 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:152 Resp: 8436

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8

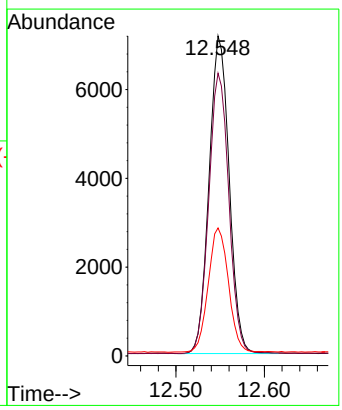


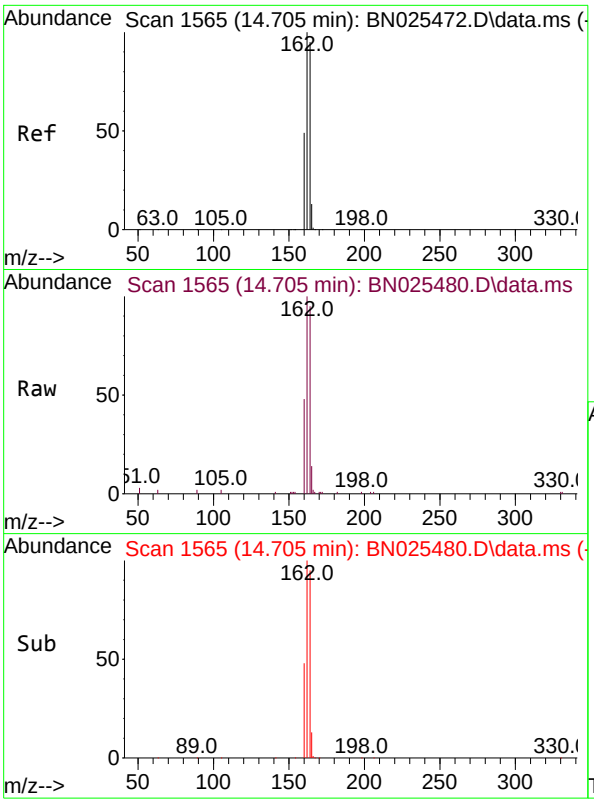


#12
2-Methylnaphthalene
Concen: 0.468 ng
RT: 12.548 min Scan# 1285
Delta R.T. -0.004 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:142 Resp: 11277

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.1	106.7
115	40.0	31.3	46.9



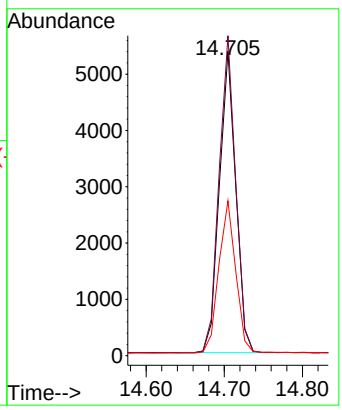


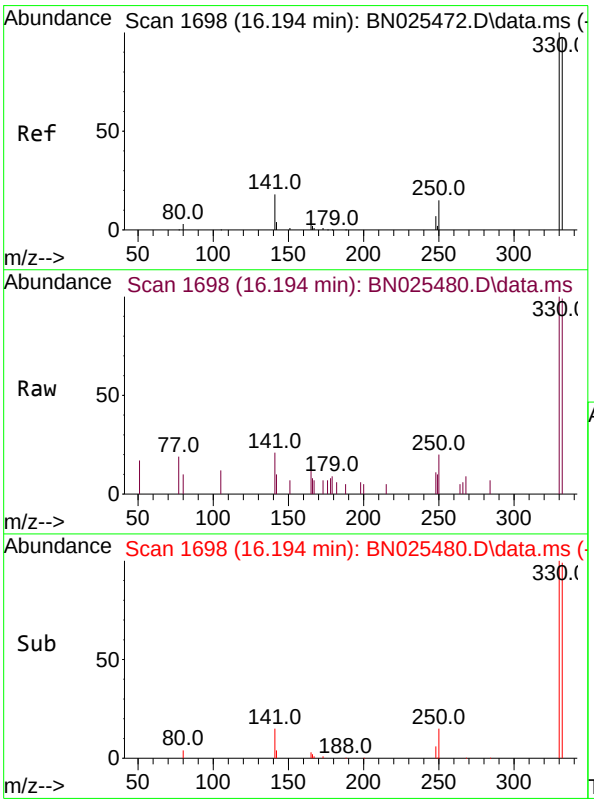
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:164 Resp: 7807

Ion	Ratio	Lower	Upper
164	100		
162	105.1	84.2	126.2
160	50.9	41.4	62.2

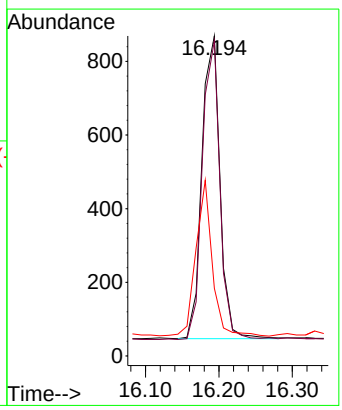


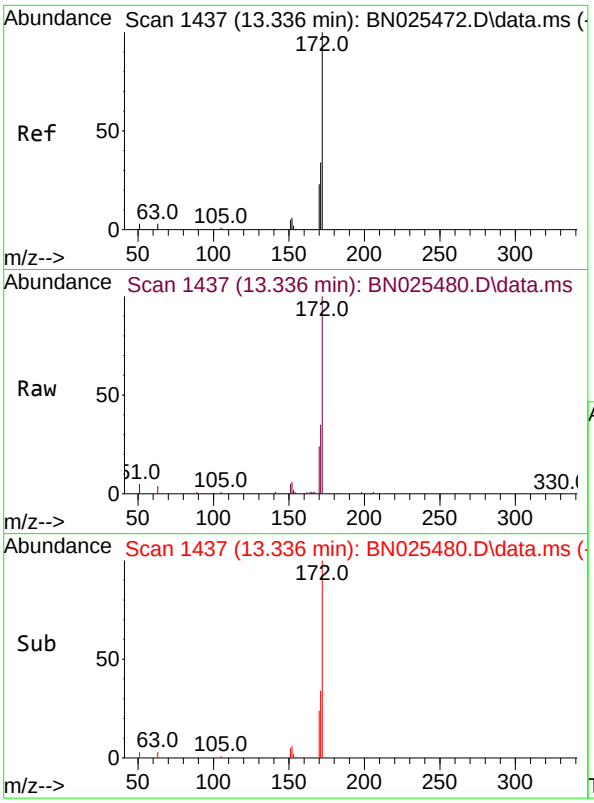


#14
2,4,6-Tribromophenol
Concen: 0.461 ng
RT: 16.194 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:330 Resp: 1404

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.1	114.1
141	46.4	36.1	54.1



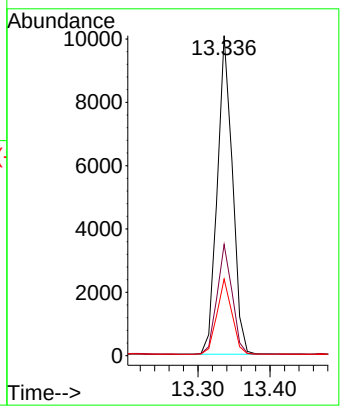


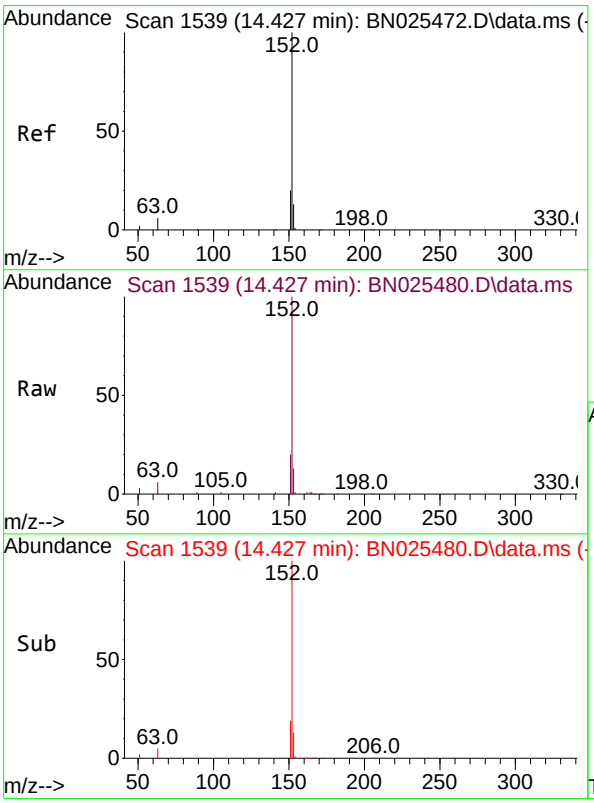
#15
2-Fluorobiphenyl
Concen: 0.491 ng
RT: 13.336 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:172 Resp: 14657

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.6	41.4
170	23.9	18.9	28.3

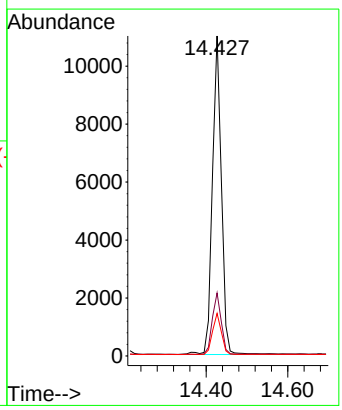


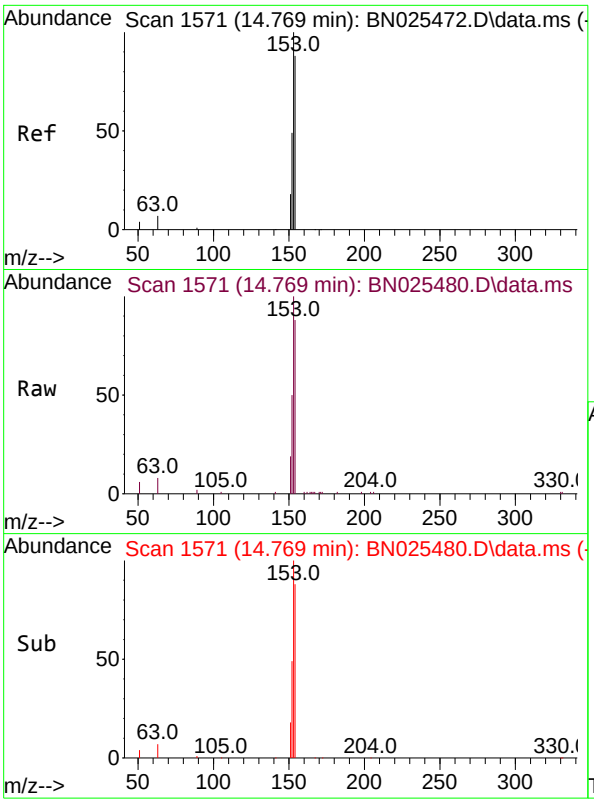


#16
Acenaphthylene
Concen: 0.471 ng
RT: 14.427 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:152 Resp: 16792

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2
153	12.9	10.3	15.5





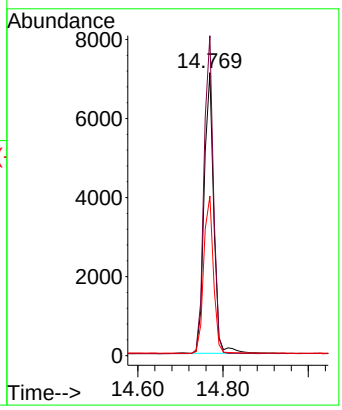
#17
Acenaphthene
Concen: 0.473 ng
RT: 14.769 min Scan# 1

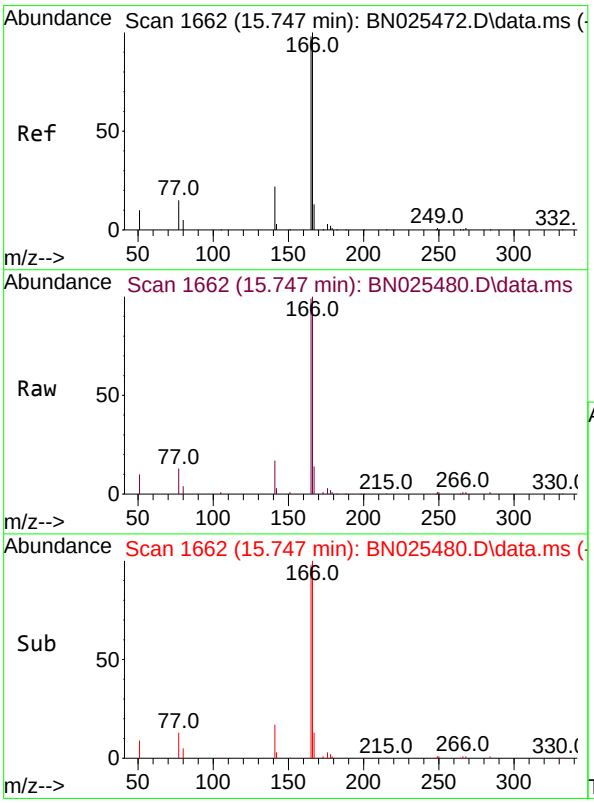
Instrument :
BNA_N
ClientSampleId :
PB152856BS

Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:154 Resp: 11134

Ion	Ratio	Lower	Upper
154	100		
153	110.7	86.9	130.3
152	56.4	43.9	65.9

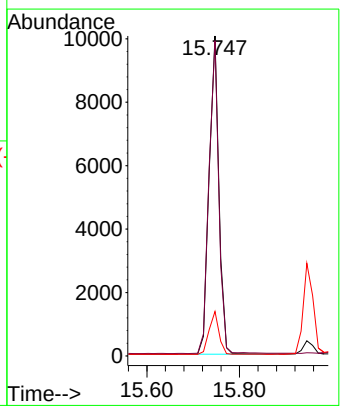


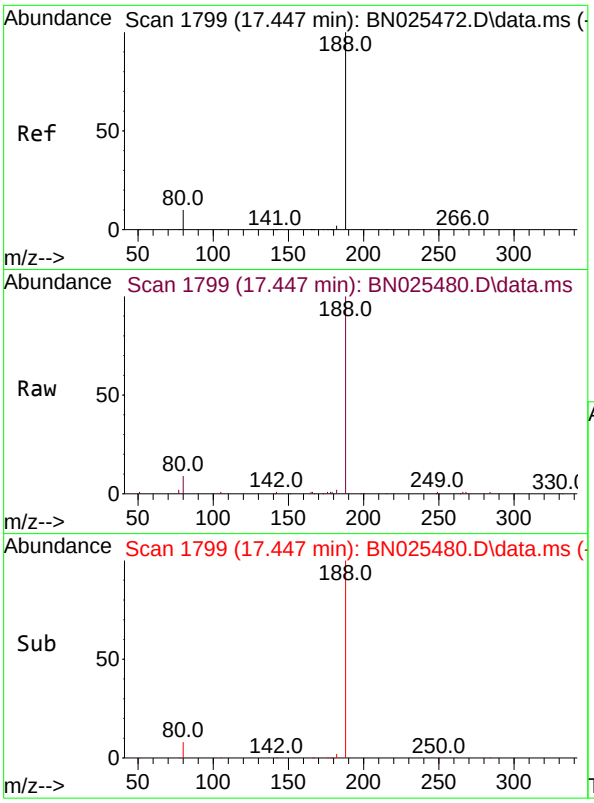


#18
Fluorene
Concen: 0.490 ng
RT: 15.747 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:166 Resp: 14257

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.9	119.9
167	13.4	11.2	16.8





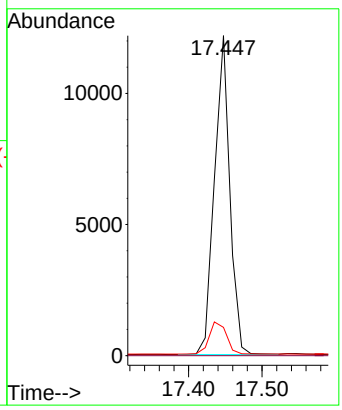
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.447 min Scan# 1

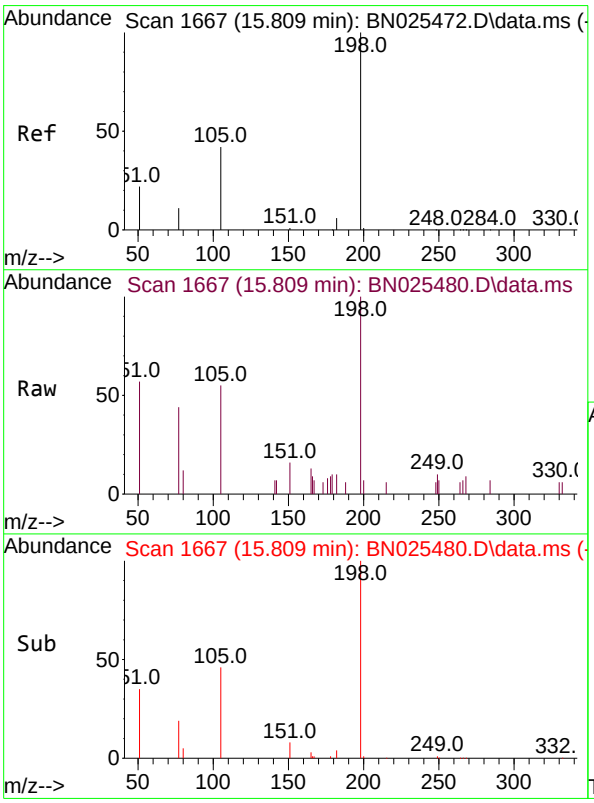
Instrument :
BNA_N
ClientSampleId :
PB152856BS

Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:188 Resp: 17602

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	8.2	12.4

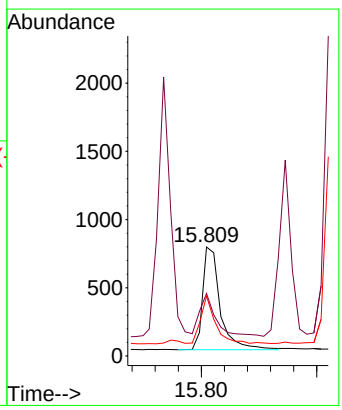


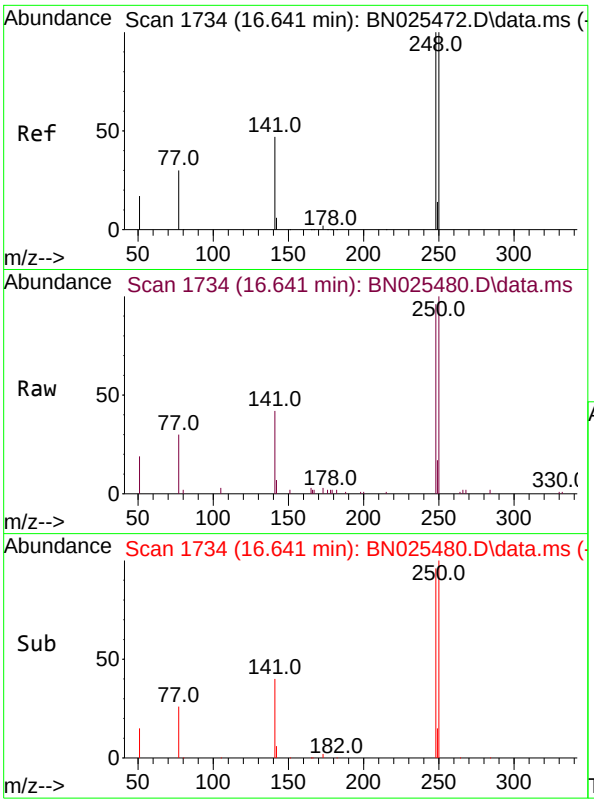


#20
4,6-Dinitro-2-methylphenol
Concen: 0.435 ng
RT: 15.809 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:198 Resp: 1591

Ion	Ratio	Lower	Upper
198	100		
51	57.4	42.2	63.2
105	55.1	41.0	61.6



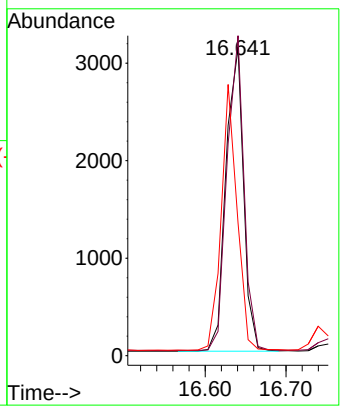


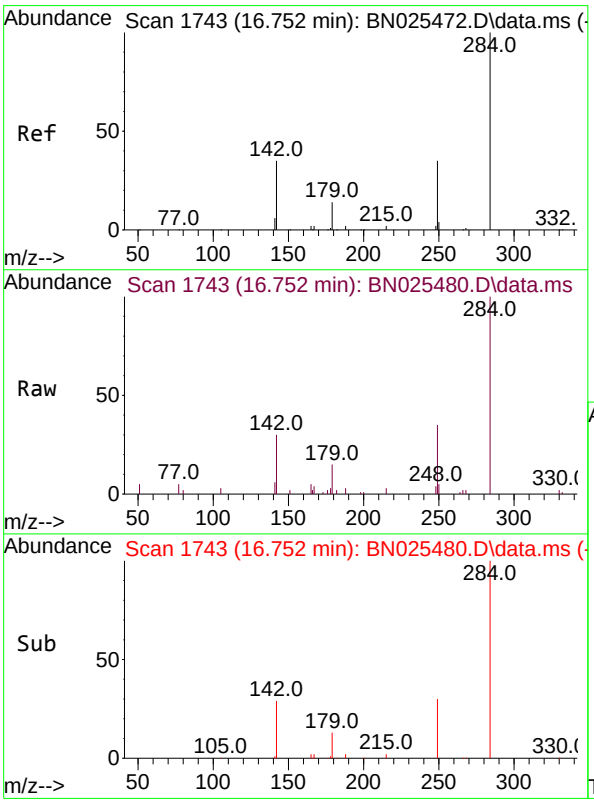
#21
4-Bromophenyl-phenylether
Concen: 0.455 ng
RT: 16.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:248 Resp: 4719

Ion	Ratio	Lower	Upper
248	100		
250	103.9	79.8	119.8
141	43.2	38.7	58.1

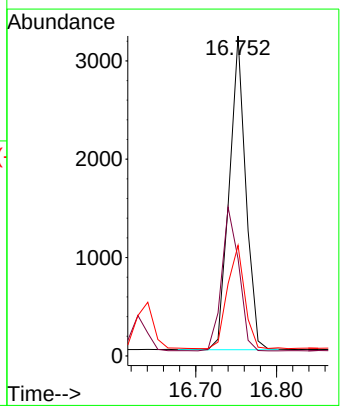


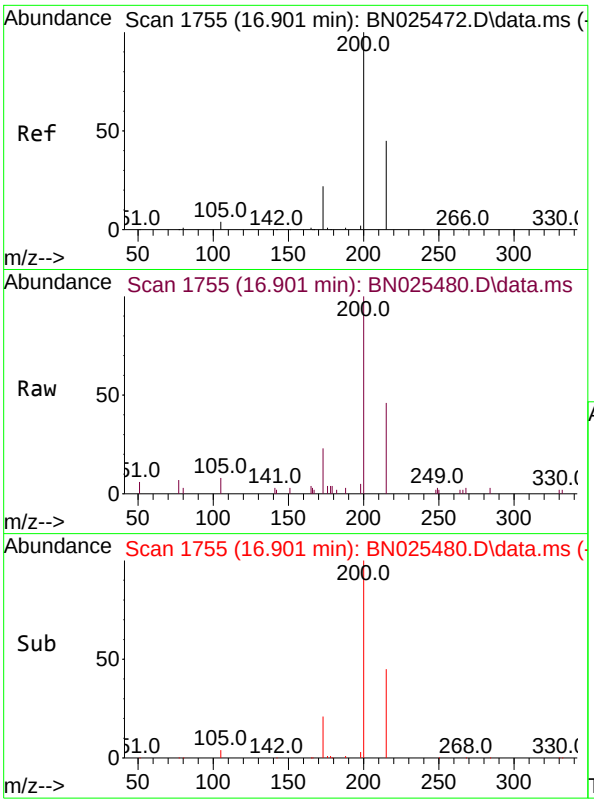


#22
Hexachlorobenzene
Concen: 0.468 ng
RT: 16.752 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:284 Resp: 4533

Ion	Ratio	Lower	Upper
284	100		
142	47.9	36.0	54.0
249	34.3	27.8	41.6



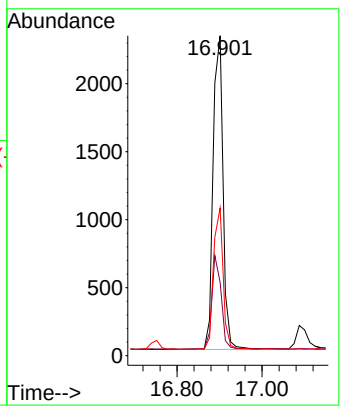


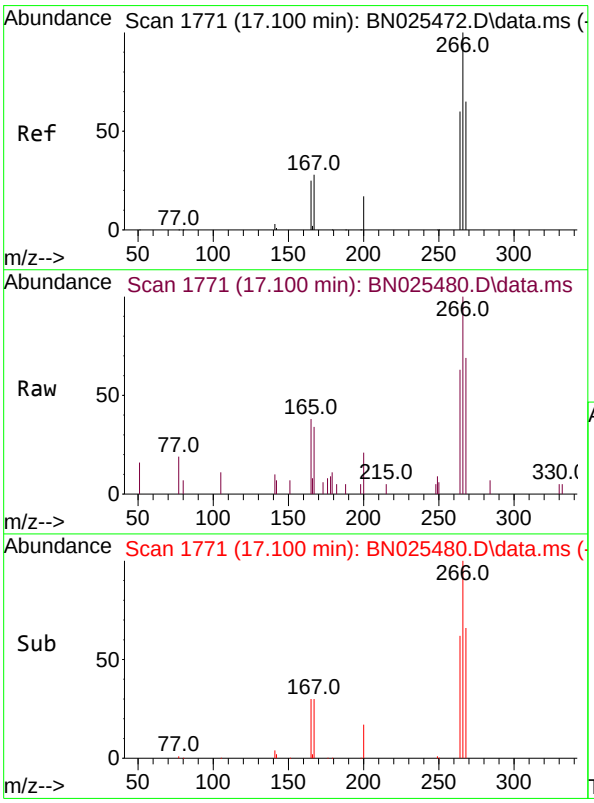
#23
Atrazine
Concen: 0.444 ng
RT: 16.901 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:200 Resp: 3746

Ion	Ratio	Lower	Upper
200	100		
173	22.9	18.6	27.8
215	46.2	36.9	55.3

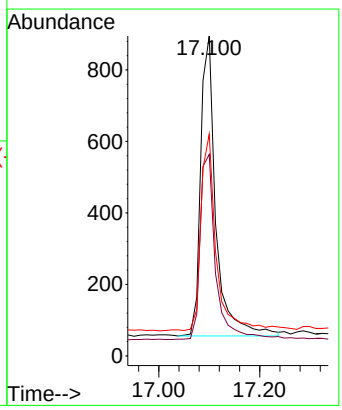


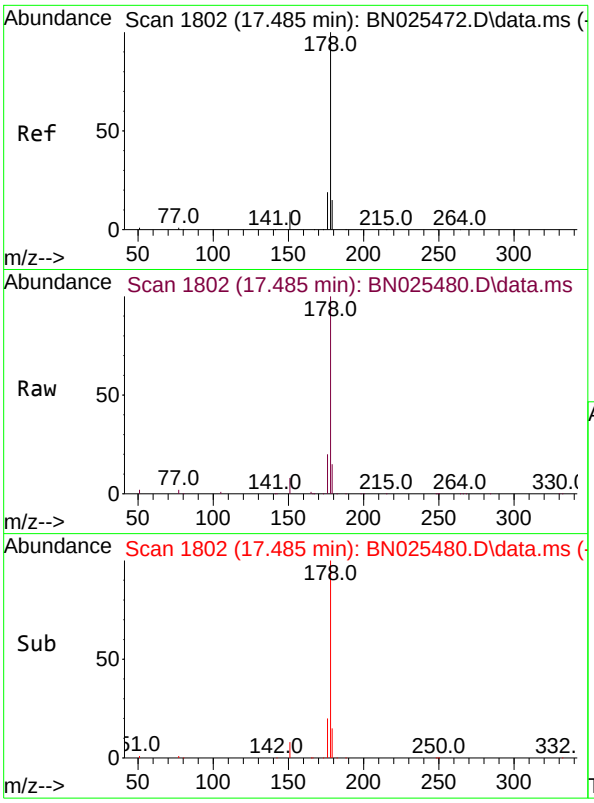


#24
Pentachlorophenol
Concen: 0.361 ng
RT: 17.100 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:266 Resp: 1762

Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.8	74.8
268	64.3	51.0	76.6



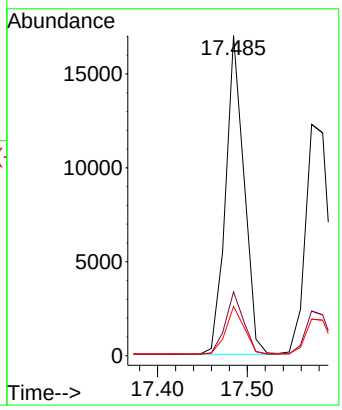


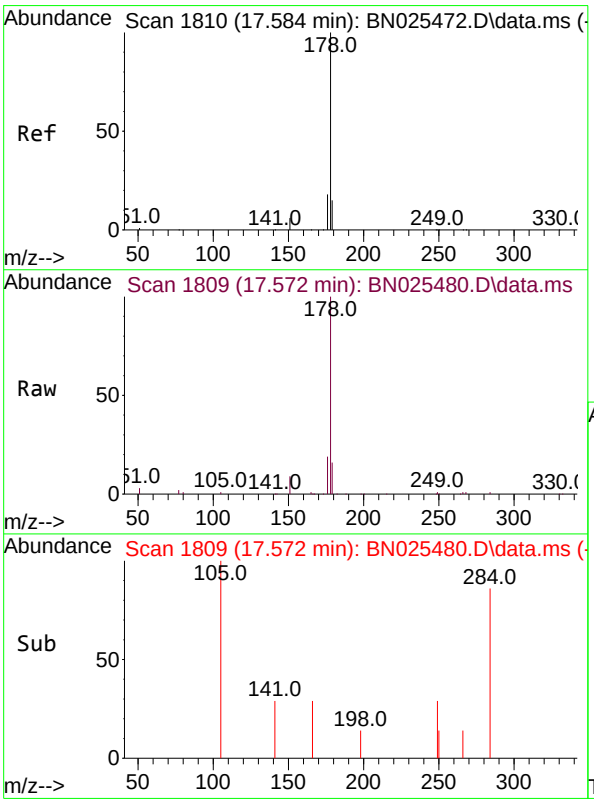
#25
Phenanthrene
Concen: 0.469 ng
RT: 17.485 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:178 Resp: 24181

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.2	12.1	18.1

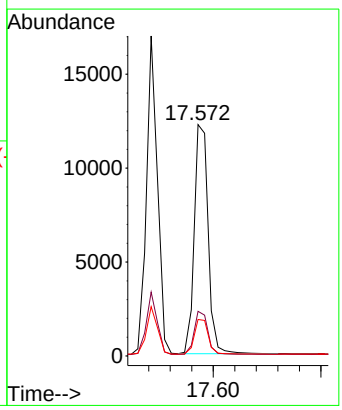


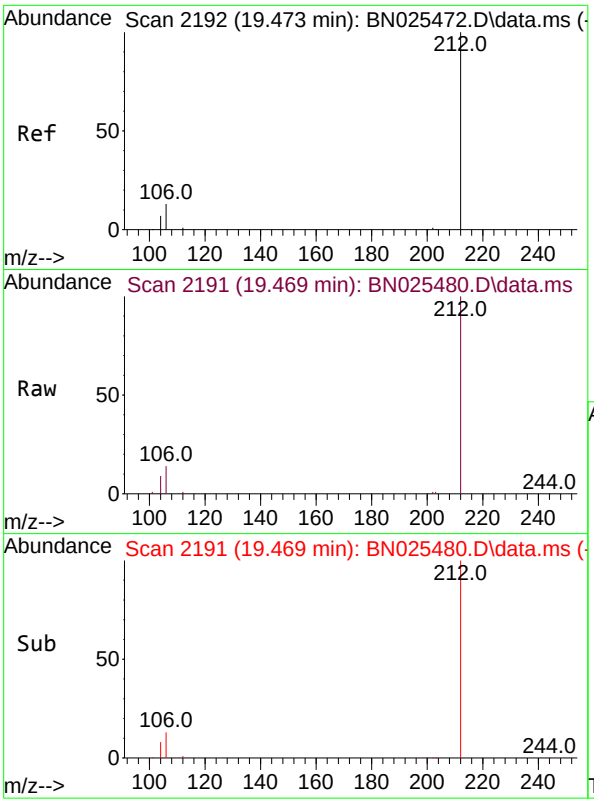


#26
Anthracene
Concen: 0.454 ng
RT: 17.572 min Scan# 1809
Delta R.T. -0.012 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:178 Resp: 21932

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



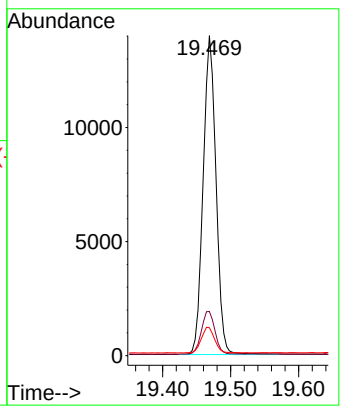


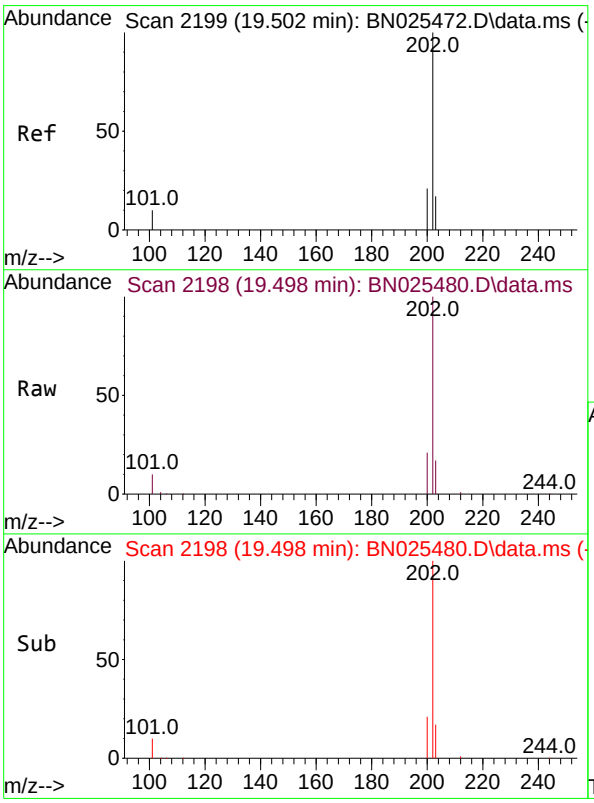
#27
Fluoranthene-d10
Concen: 0.451 ng
RT: 19.469 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:212 Resp: 18331

Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.4	17.2
104	8.4	6.6	10.0

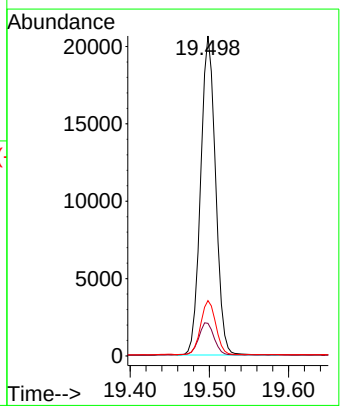


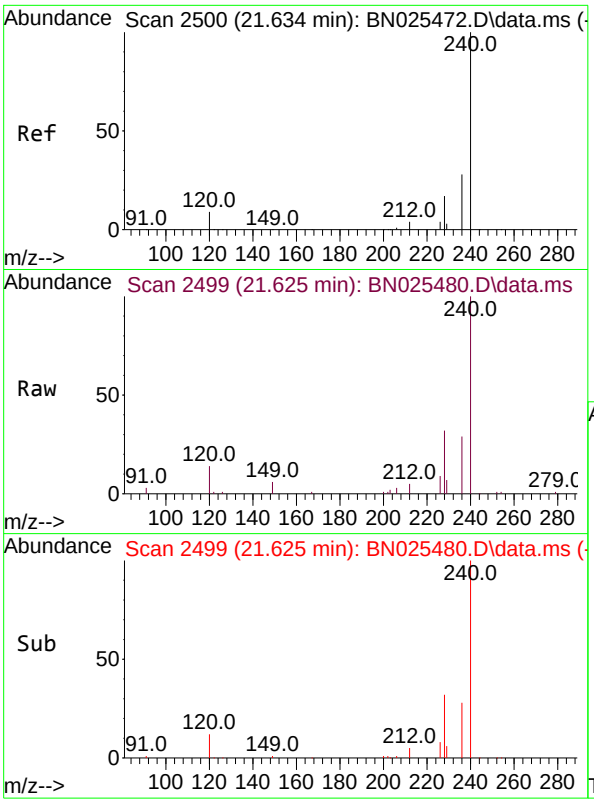


#28
Fluoranthene
Concen: 0.459 ng
RT: 19.498 min Scan# 2198
Delta R.T. -0.004 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:202 Resp: 26923

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



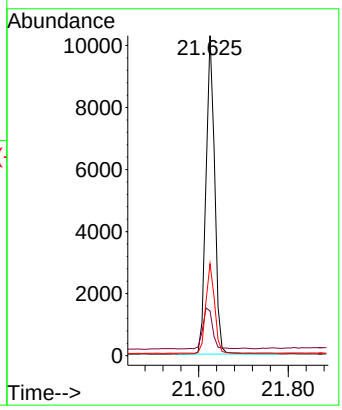


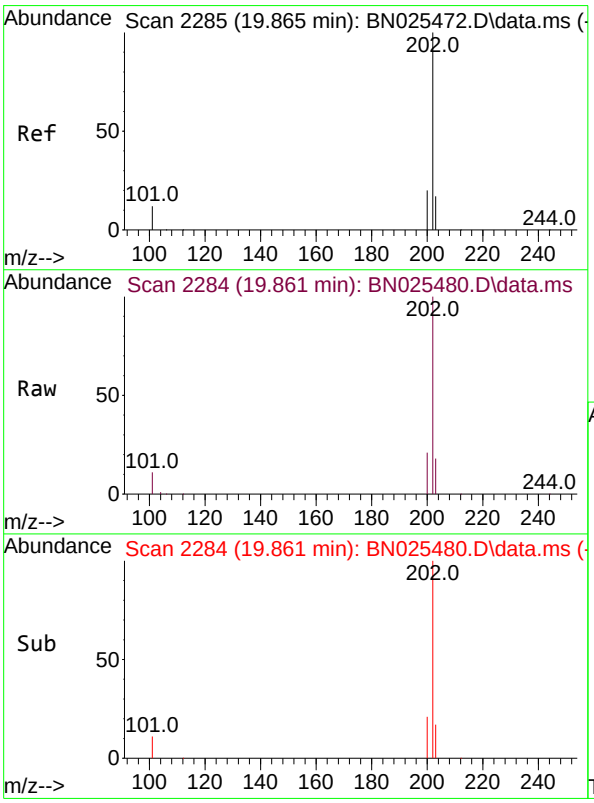
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.625 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:240 Resp: 13846

Ion	Ratio	Lower	Upper
240	100		
120	14.0	8.6	12.8#
236	28.8	22.7	34.1

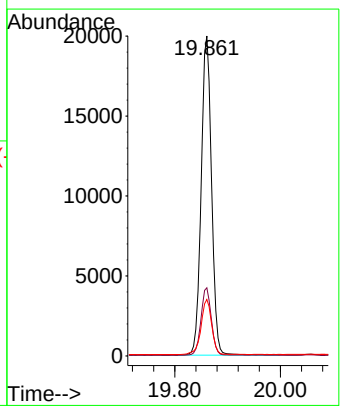


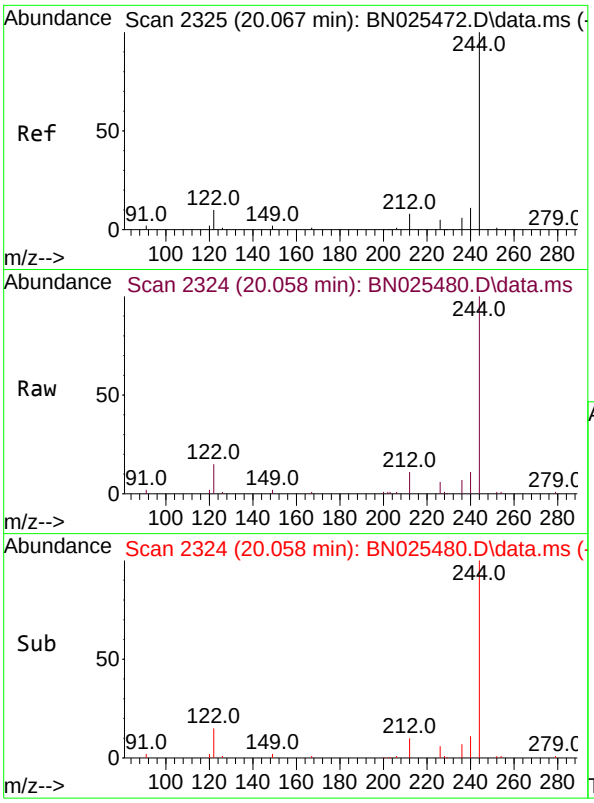


#30
Pyrene
Concen: 0.493 ng
RT: 19.861 min Scan# 2284
Delta R.T. -0.004 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:202 Resp: 27215

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.2	21.4



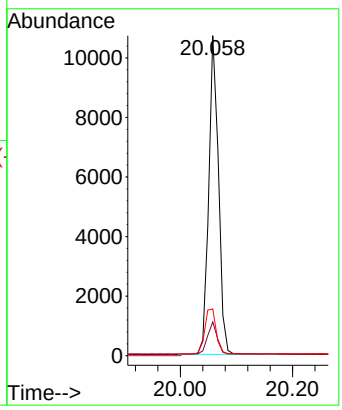


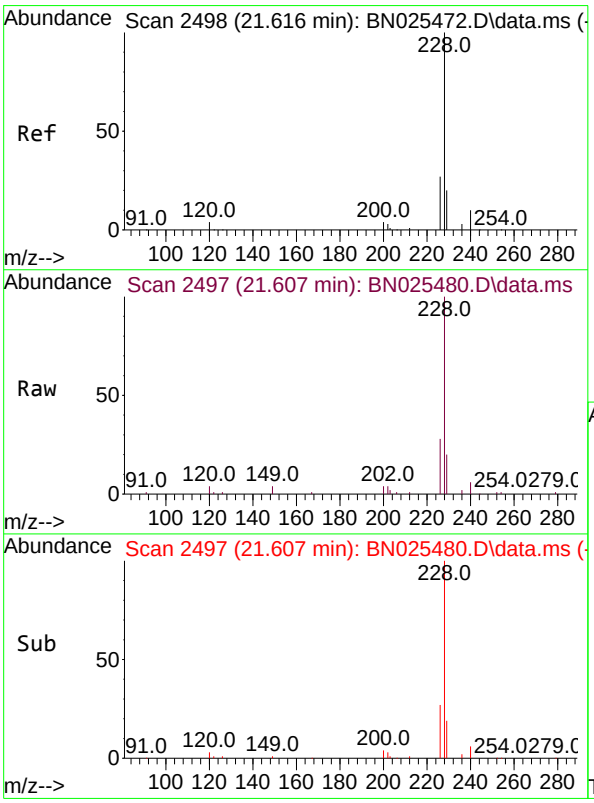
#31
Terphenyl-d14
Concen: 0.497 ng
RT: 20.058 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:244 Resp: 12230

Ion	Ratio	Lower	Upper
244	100		
212	10.5	6.6	10.0#
122	14.6	8.1	12.1#

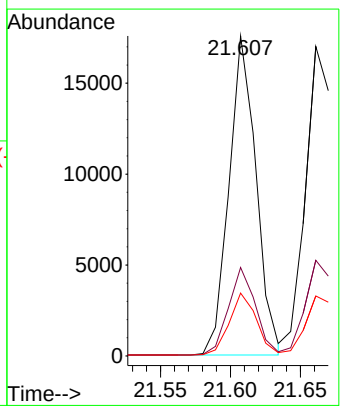


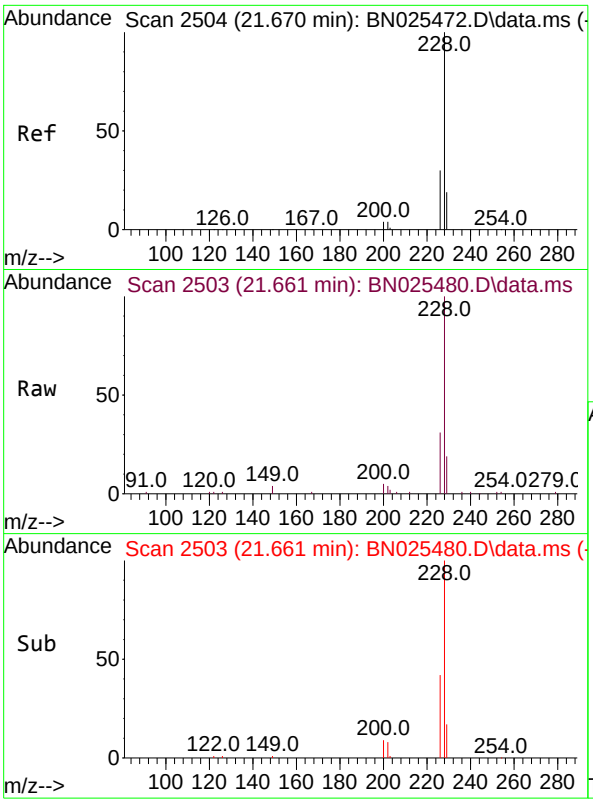


#32
Benzo(a)anthracene
Concen: 0.471 ng
RT: 21.607 min Scan# 2497
Delta R.T. -0.009 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:228 Resp: 23637

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.7	15.8	23.8



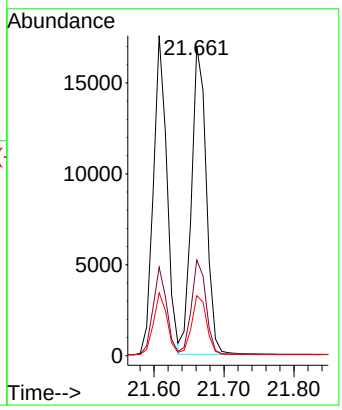


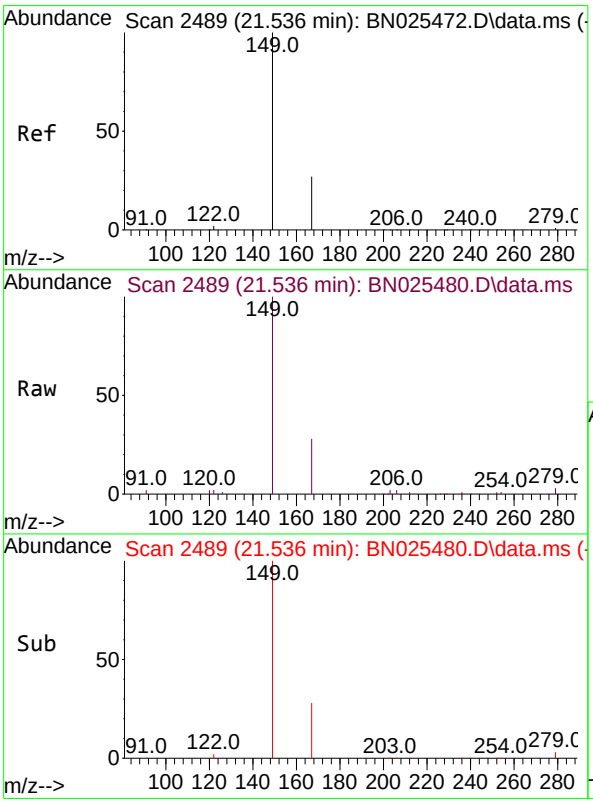
#33
Chrysene
Concen: 0.499 ng
RT: 21.661 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:228 Resp: 24828

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	19.4	15.4	23.2

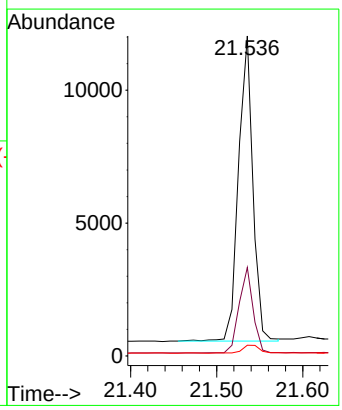


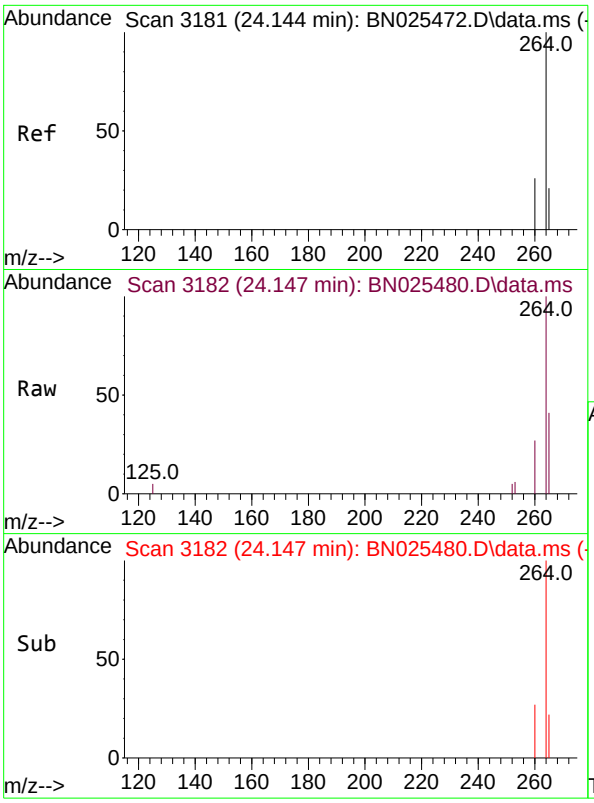


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.452 ng
RT: 21.536 min Scan# 2489
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:149 Resp: 13323

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.0	33.0
279	3.3	2.6	3.8



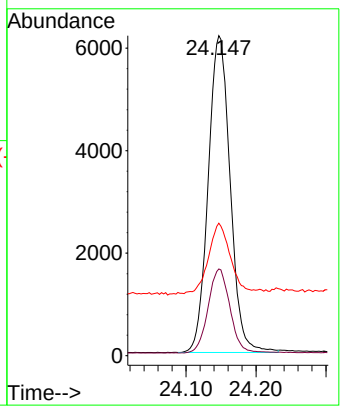


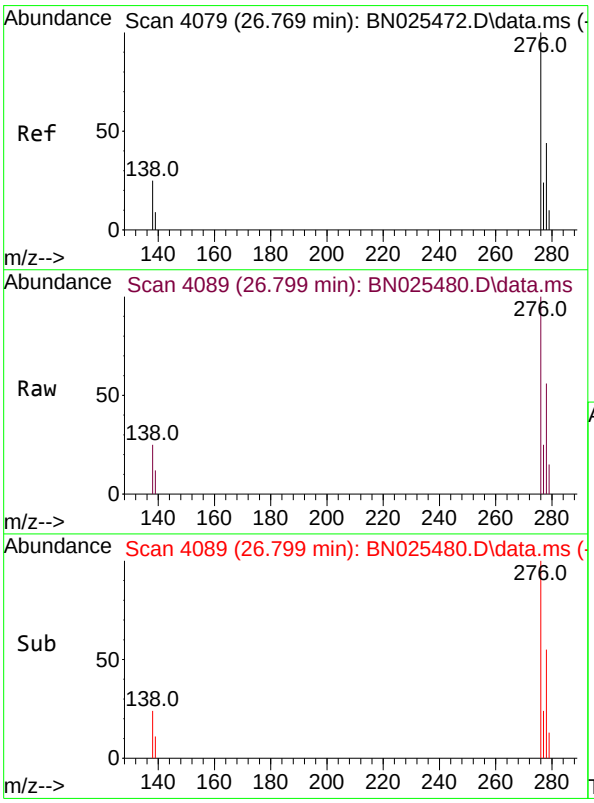
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.147 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:264 Resp: 13473

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.2	31.8
265	41.4	27.1	40.7#

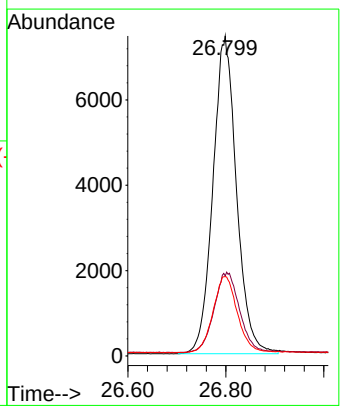


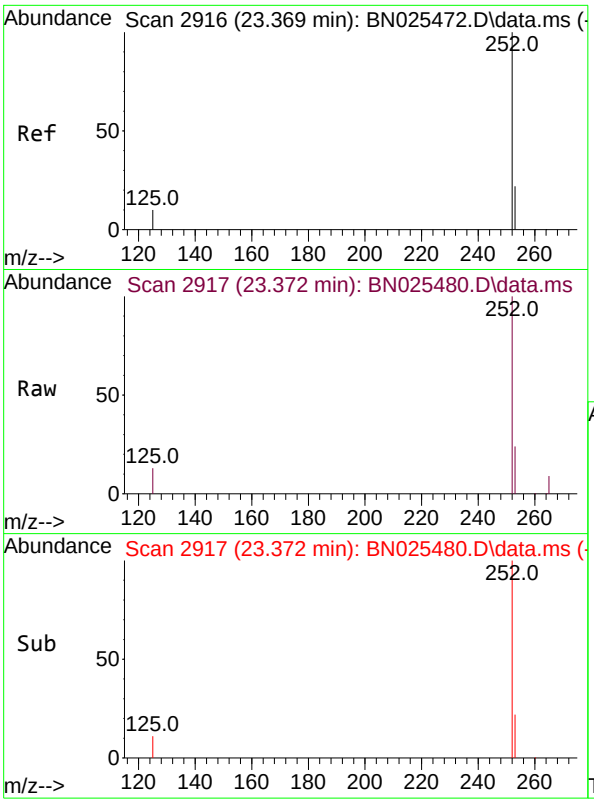


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.457 ng
RT: 26.799 min Scan# 4089
Delta R.T. 0.029 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:276 Resp: 24894

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.8	32.6
277	24.7	19.7	29.5



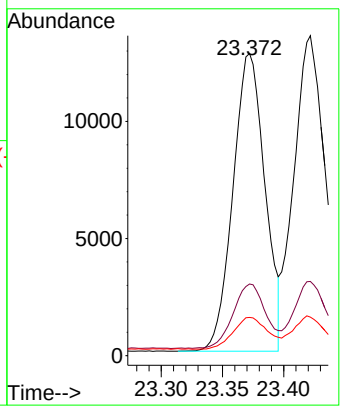


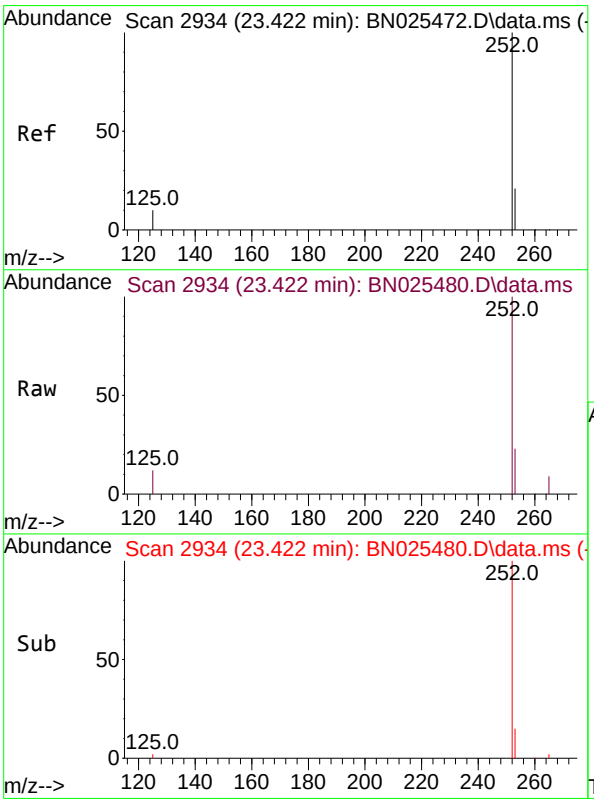
#37
Benzo(b)fluoranthene
Concen: 0.461 ng
RT: 23.372 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:252 Resp: 23071

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.8	28.2
125	12.6	9.6	14.4

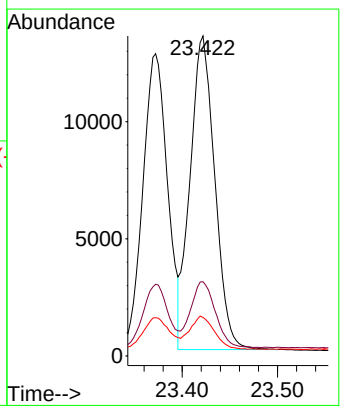


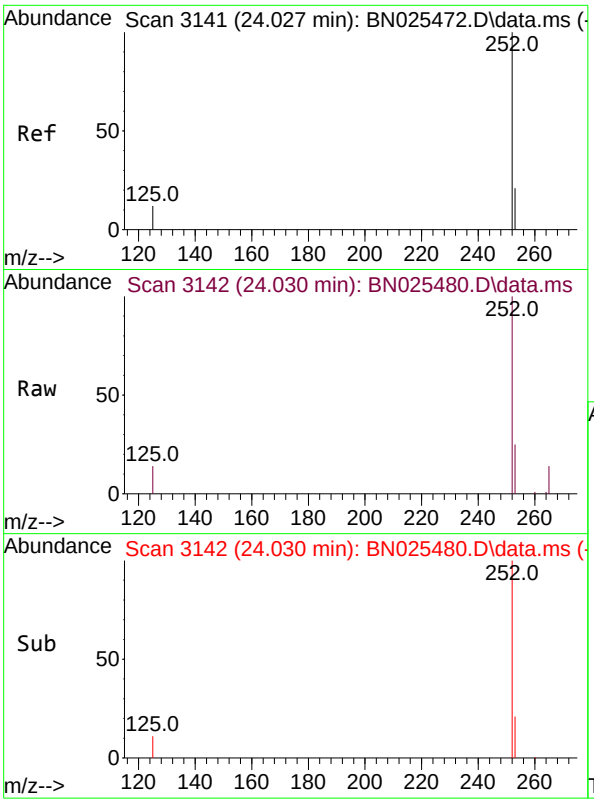


#38
Benzo(k)fluoranthene
Concen: 0.473 ng
RT: 23.422 min Scan# 2934
Delta R.T. -0.000 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:252 Resp: 24163

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	12.0	9.8	14.8



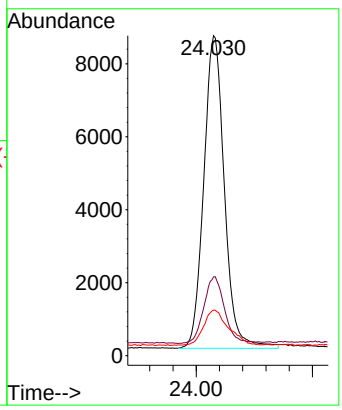


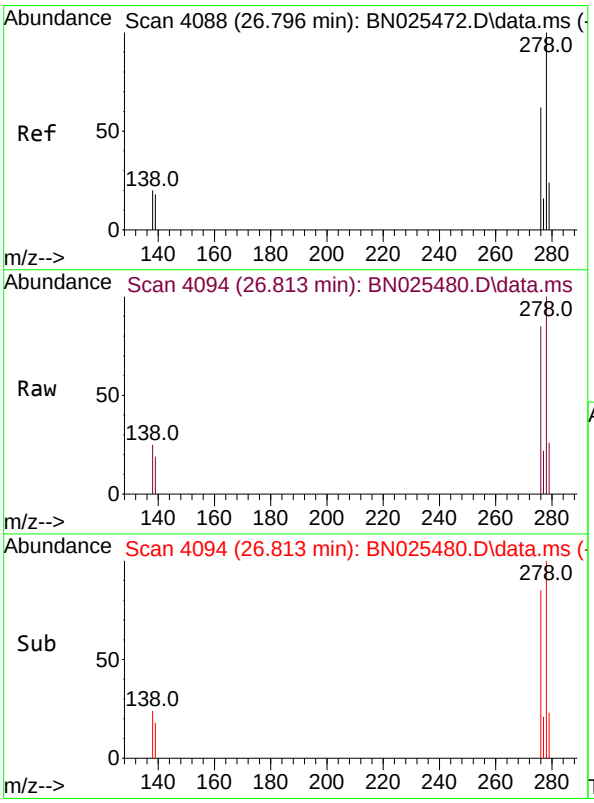
#39
Benzo(a)pyrene
Concen: 0.448 ng
RT: 24.030 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:252 Resp: 21099

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.6	28.0
125	14.3	11.0	16.6

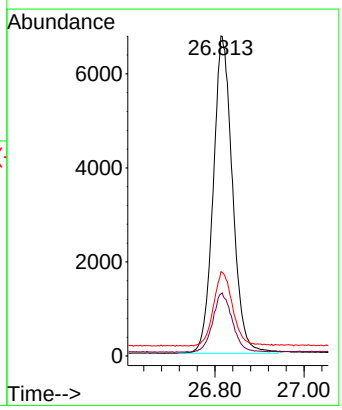


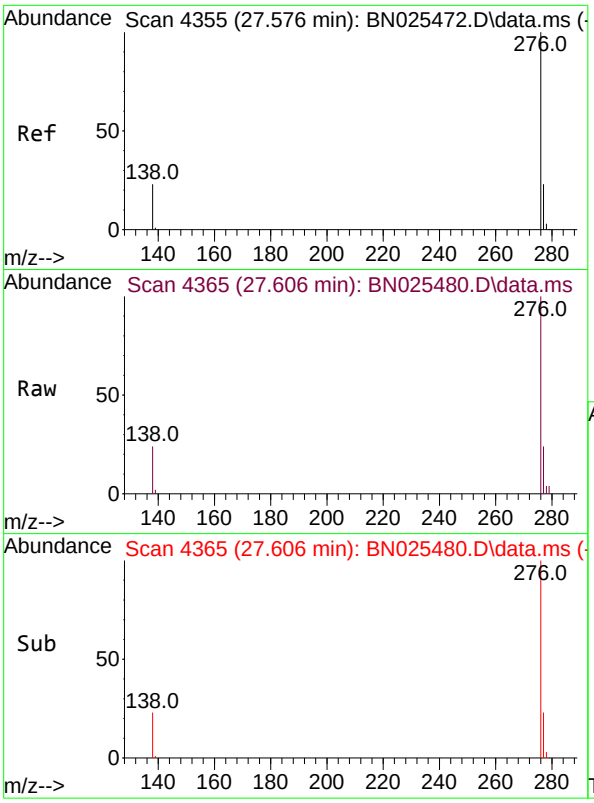


#40
Dibenzo(a,h)anthracene
Concen: 0.463 ng
RT: 26.813 min Scan# 4094
Delta R.T. 0.018 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Tgt Ion:278 Resp: 20238

Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.0	22.6
279	26.4	20.5	30.7





#41
Benzo(g,h,i)perylene
Concen: 0.462 ng
RT: 27.606 min Scan# 4
Delta R.T. 0.029 min
Lab File: BN025480.D
Acq: 18 May 2023 19:23

Instrument :
BNA_N
ClientSampleId :
PB152856BS

Tgt Ion:276 Resp: 21262

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	24.4	19.2	28.8