Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051823\
Data File : BN025474.D
Acq On : 18 May 2023 13:59
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: May 18 17:47:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 15:44:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.077	152	6139	0.400	ng		0.00
7) Naphthalene-d8	10.899	136	17372	0.400	ng		0.00
13) Acenaphthene-d10	14.705	164	11159	0.400	ng		0.00
19) Phenanthrene-d10	17.447	188	24224	0.400	ng		0.00
29) Chrysene-d12	21.638	240	20986	0.400	ng		0.00
35) Perylene-d12	24.157	264	18710	0.400	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.614	112	23963	1.729	ng		0.00
5) Phenol-d6	7.218	99	31493	1.771	ng		0.00
8) Nitrobenzene-d5	9.244	82	24765	1.786	ng		0.01
11) 2-Methylnaphthalene-d10	12.479	152	43980	1.821	ng		0.00
14) 2,4,6-Tribromophenol	16.194	330	7906	1.817	ng		0.00
15) 2-Fluorobiphenyl	13.336	172	74826	1.753	ng		0.00
27) Fluoranthene-d10	19.473	212	99851	1.785	ng		0.00
31) Terphenyl-d14	20.062	244	69440	1.862	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.455	88	10607	1.694	ng		99
3) n-Nitrosodimethylamine	3.780	42	12951	1.877	ng	#	98
6) bis(2-Chloroethyl)ether	7.492	93	30285	1.751	ng		99
9) Naphthalene	10.953	128	79125	1.790	ng		99
10) Hexachlorobutadiene	11.241	225	14867	1.772	ng	#	98
12) 2-Methylnaphthalene	12.551	142	58423	1.828	ng		100
16) Acenaphthylene	14.427	152	92798	1.821	ng		100
17) Acenaphthene	14.769	154	60617	1.804	ng		98
18) Fluorene	15.747	166	75896	1.826	ng		99
20) 4,6-Dinitro-2-methylph...	15.821	198	9558	1.898	ng	#	59
21) 4-Bromophenyl-phenylether	16.641	248	25575	1.794	ng		98
22) Hexachlorobenzene	16.752	284	23620	1.773	ng		99
23) Atrazine	16.901	200	20854	1.797	ng		98
24) Pentachlorophenol	17.100	266	12493	1.860	ng		99
25) Phenanthrene	17.485	178	126383	1.781	ng		100
26) Anthracene	17.584	178	121013	1.822	ng		100
28) Fluoranthene	19.502	202	146626	1.818	ng		100
30) Pyrene	19.865	202	150704	1.800	ng		99
32) Benzo(a)anthracene	21.620	228	132921	1.749	ng		99
33) Chrysene	21.674	228	134039	1.779	ng		100
34) Bis(2-ethylhexyl)phtha...	21.540	149	74679	1.670	ng		99
36) Indeno(1,2,3-cd)pyrene	26.811	276	136082	1.797	ng		100
37) Benzo(b)fluoranthene	23.388	252	127640	1.838	ng		97
38) Benzo(k)fluoranthene	23.435	252	128959	1.824	ng		98
39) Benzo(a)pyrene	24.049	252	118743	1.816	ng		97
40) Dibenzo(a,h)anthracene	26.835	278	109506	1.805	ng		97
41) Benzo(g,h,i)perylene	27.624	276	114175	1.785	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051823\
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Instrument :
BNA_N
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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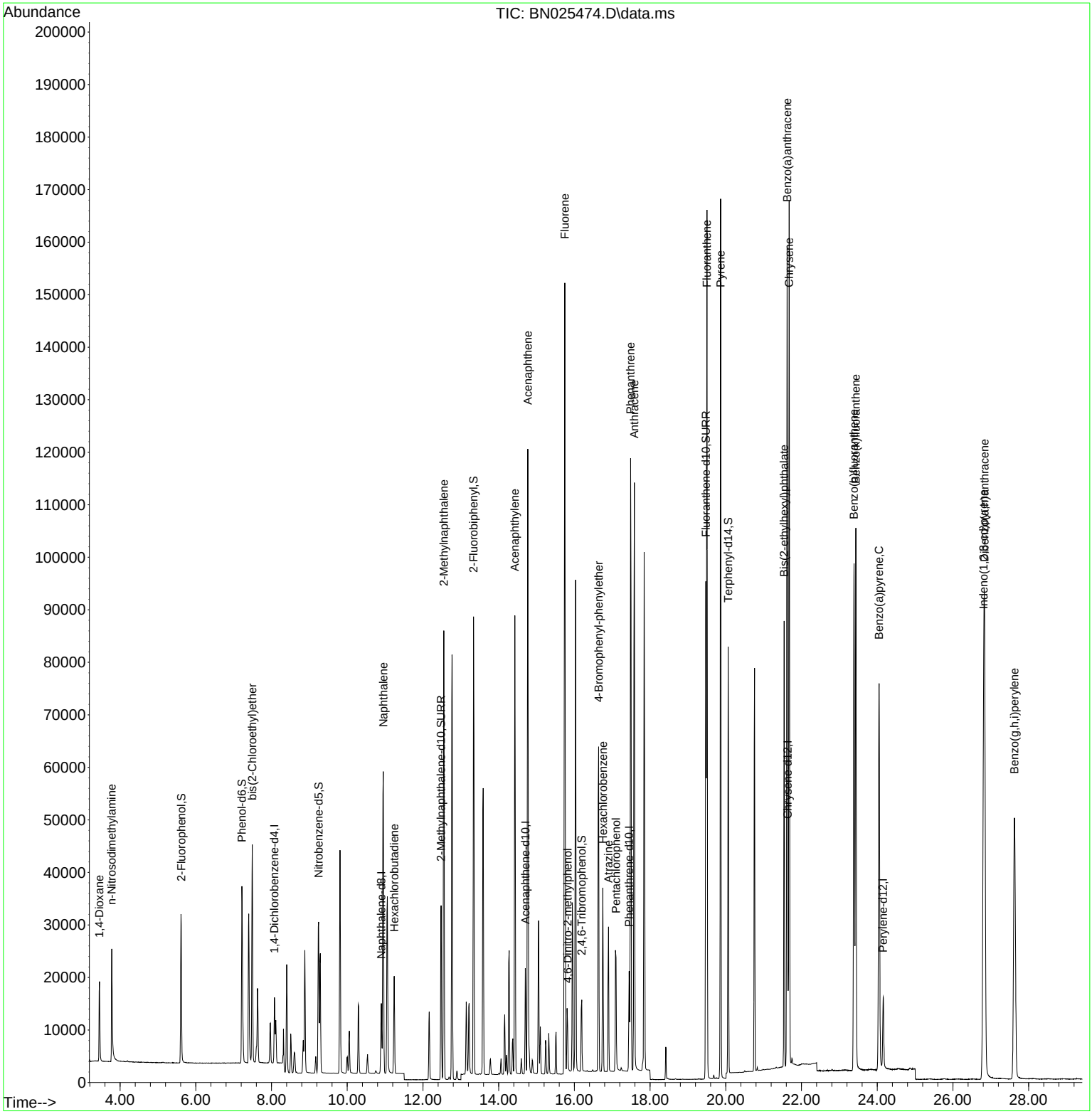
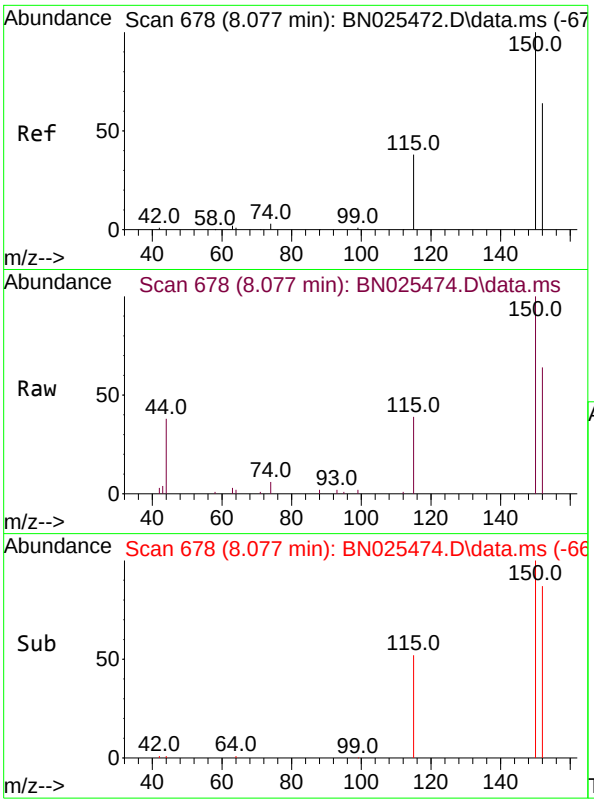


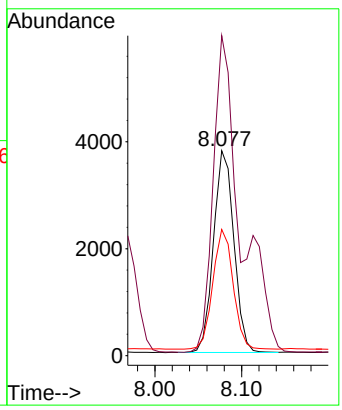


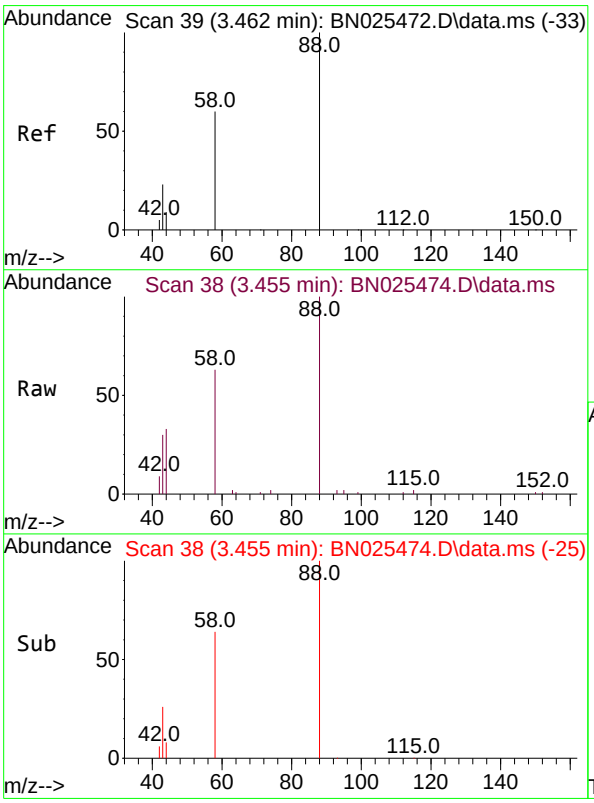
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.077 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 6139

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.3	187.9
115	61.6	50.2	75.2

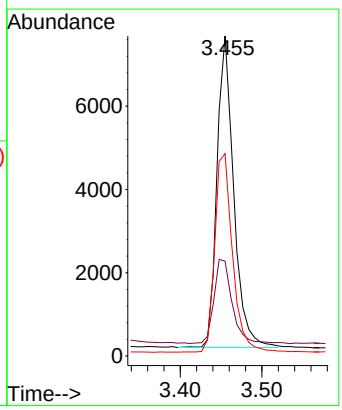


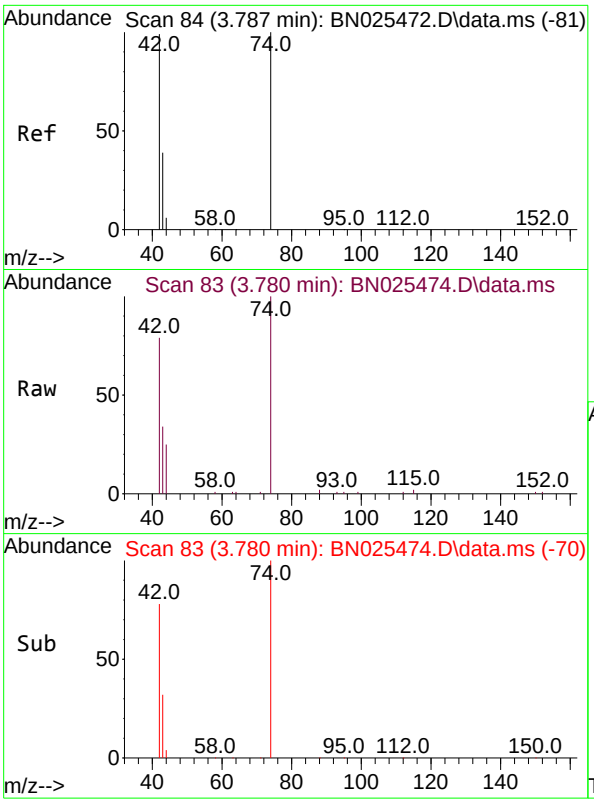


#2
1,4-Dioxane
Concen: 1.694 ng
RT: 3.455 min Scan# 38
Delta R.T. -0.007 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion: 88 Resp: 10607

Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.8	35.6
58	68.0	55.1	82.7



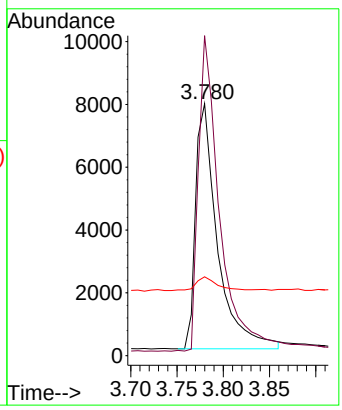


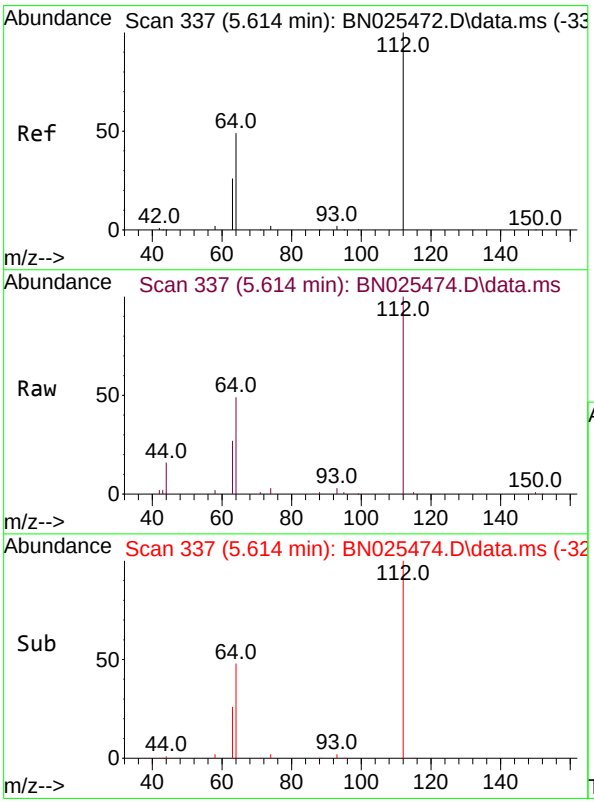
#3
n-Nitrosodimethylamine
Concen: 1.877 ng
RT: 3.780 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 12951

Ion	Ratio	Lower	Upper
42	100		
74	123.8	100.2	150.4
44	5.5	8.6	12.8#

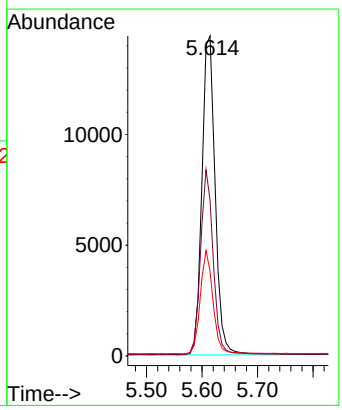


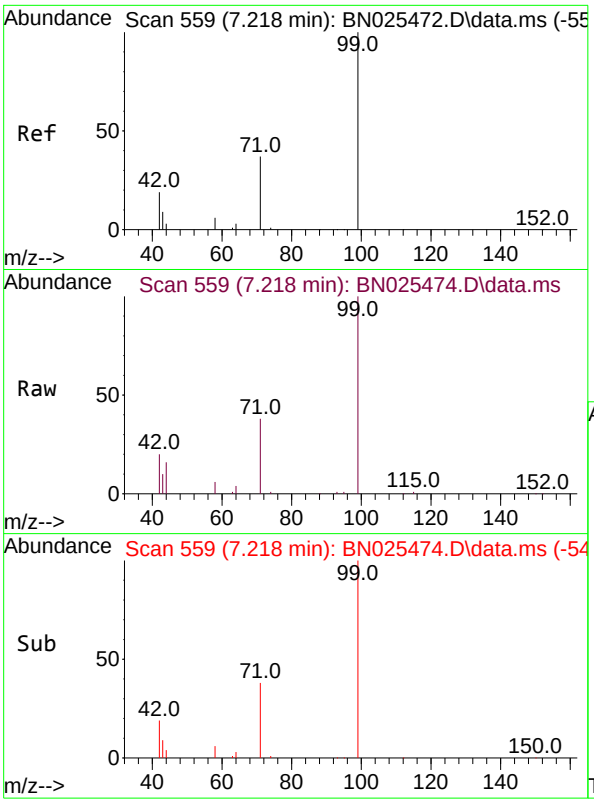


#4
2-Fluorophenol
Concen: 1.729 ng
RT: 5.614 min Scan# 337
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:112 Resp: 23963

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.0	66.0
63	30.8	24.0	36.0



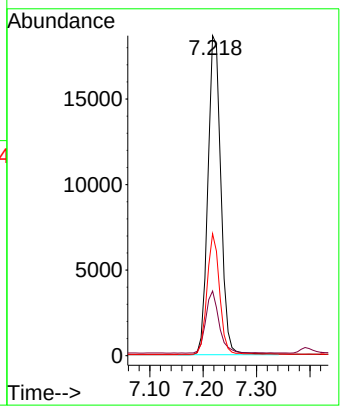


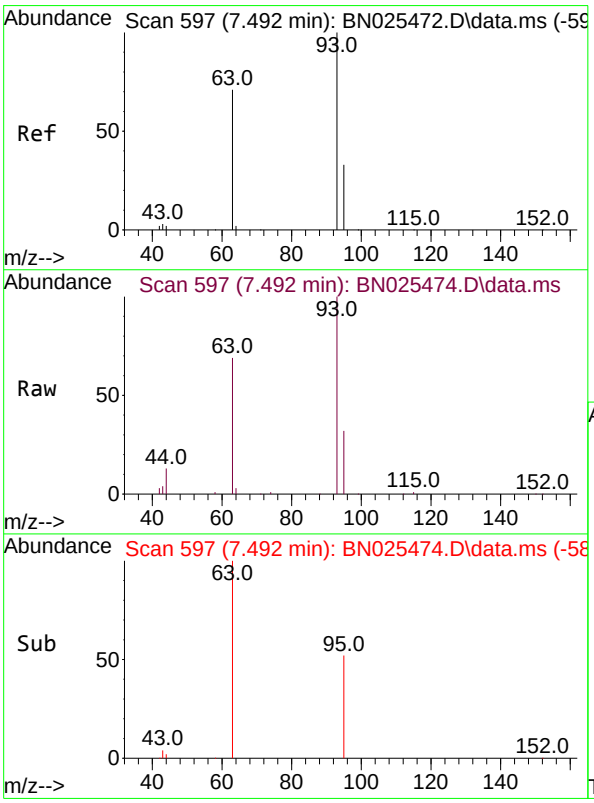
#5
Phenol-d6
Concen: 1.771 ng
RT: 7.218 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 31493

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.8	23.8
71	36.6	28.6	43.0

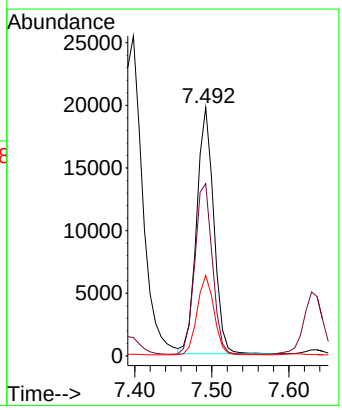


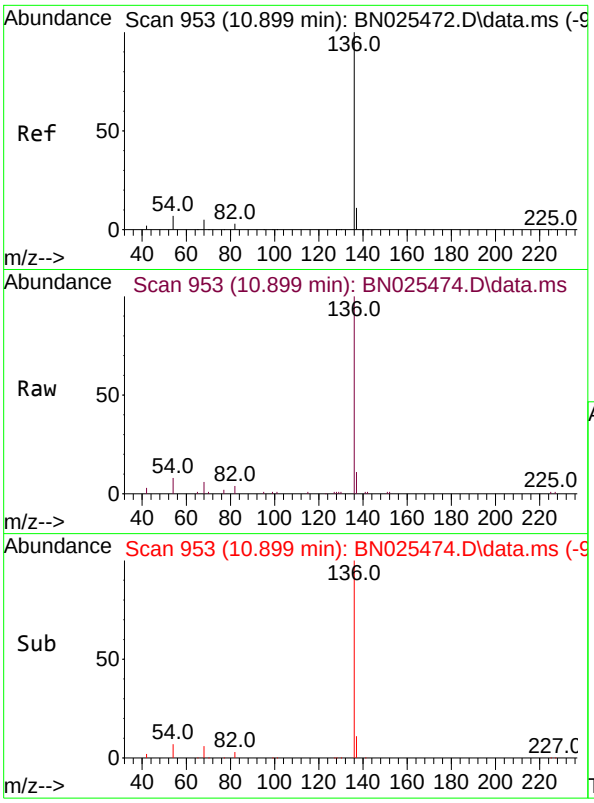


#6
bis(2-Chloroethyl)ether
Concen: 1.751 ng
RT: 7.492 min Scan# 597
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion: 93 Resp: 30285

Ion	Ratio	Lower	Upper
93	100		
63	71.0	55.8	83.6
95	32.0	25.7	38.5



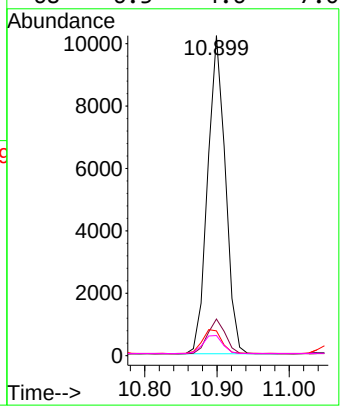


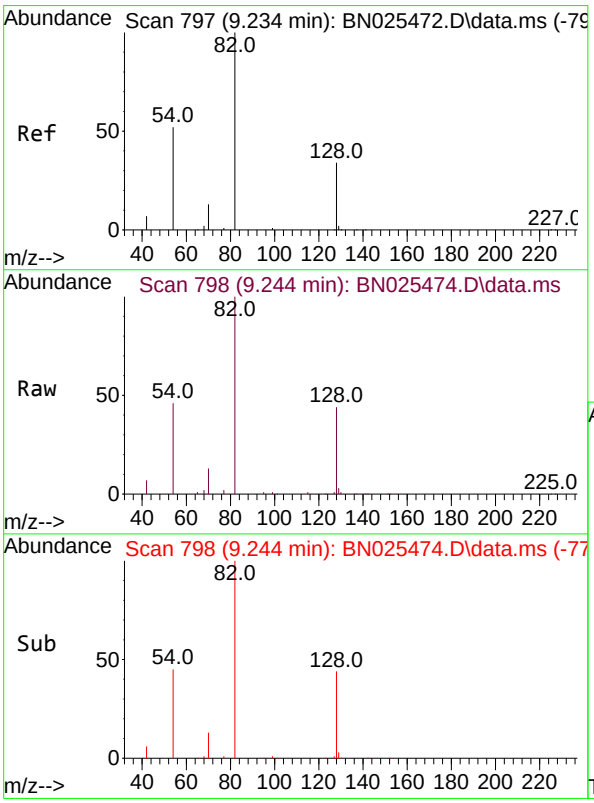
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.899 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 17372

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.8	5.8	8.6
68	6.3	4.6	7.0

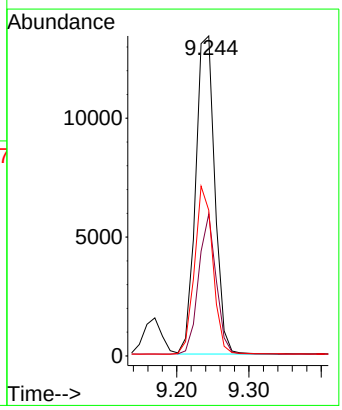


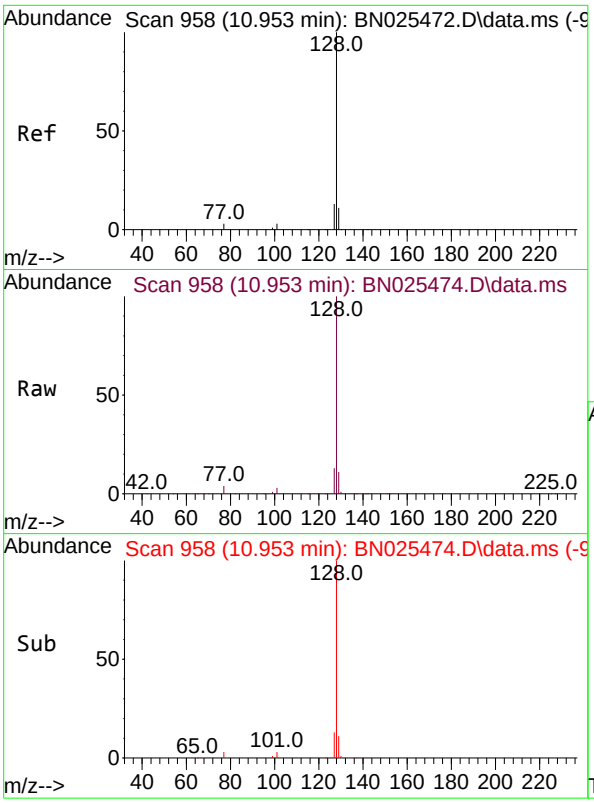


#8
Nitrobenzene-d5
Concen: 1.786 ng
RT: 9.244 min Scan# 798
Delta R.T. 0.011 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion: 82 Resp: 24765

Ion	Ratio	Lower	Upper
82	100		
128	44.3	27.9	41.9#
54	45.5	42.4	63.6



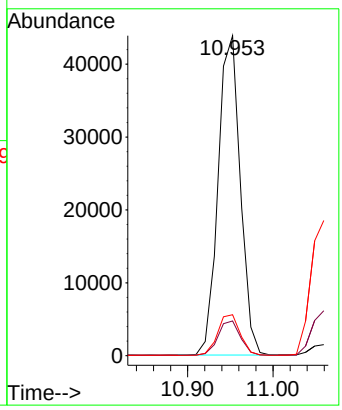


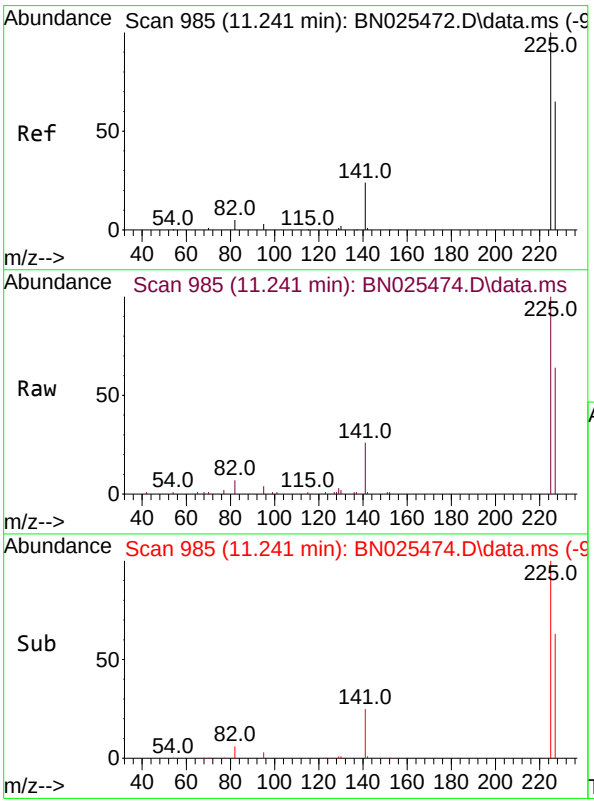
#9
Naphthalene
Concen: 1.790 ng
RT: 10.953 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 79125

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.8	10.4	15.6

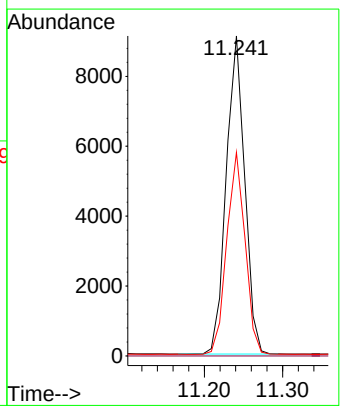


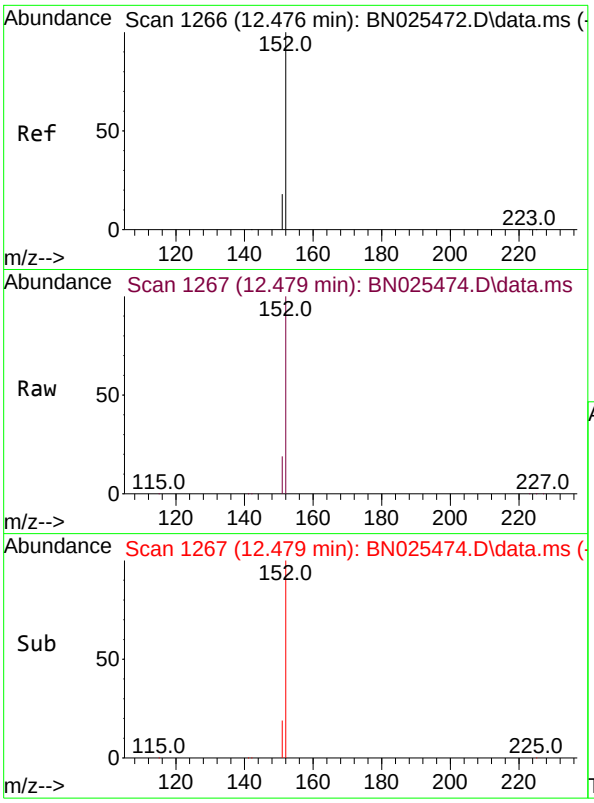


#10
Hexachlorobutadiene
Concen: 1.772 ng
RT: 11.241 min Scan# 985
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:225 Resp: 14867

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



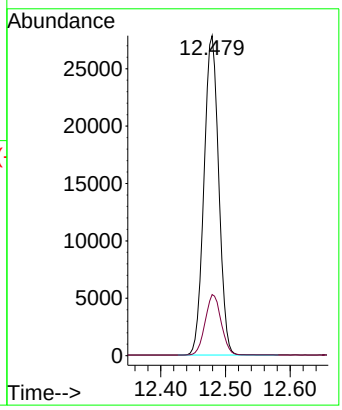


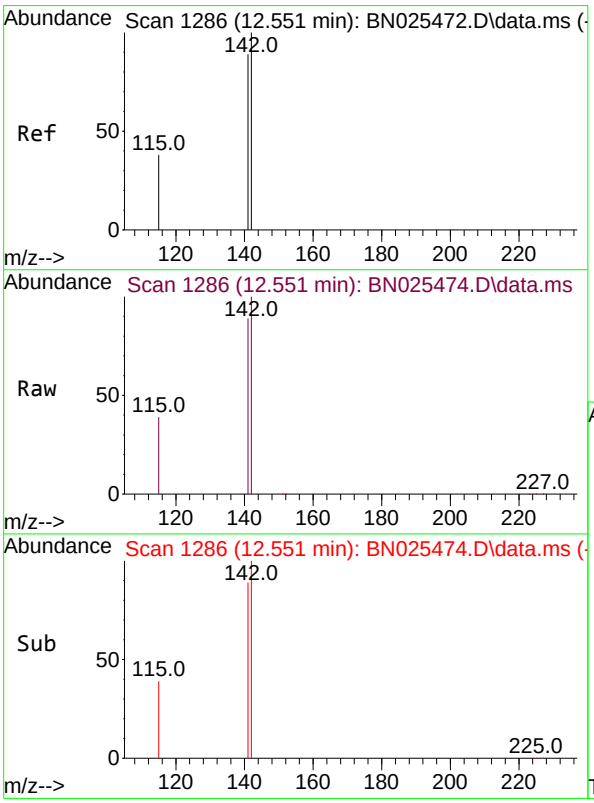
#11
2-Methylnaphthalene-d10
Concen: 1.821 ng
RT: 12.479 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 43980

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	24.8

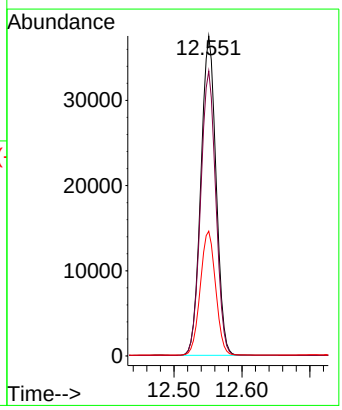


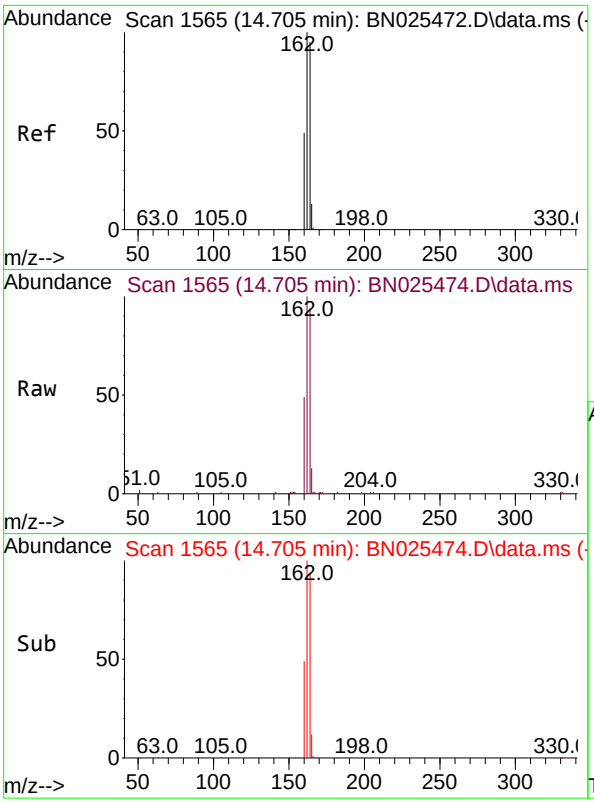


#12
2-Methylnaphthalene
Concen: 1.828 ng
RT: 12.551 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:142 Resp: 58423

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.1	106.7
115	39.0	31.3	46.9



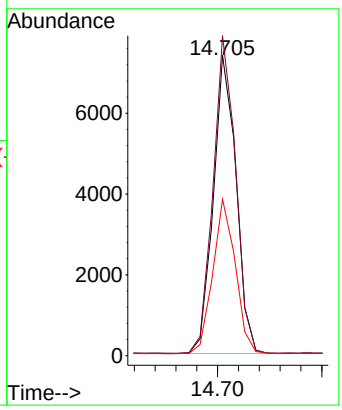


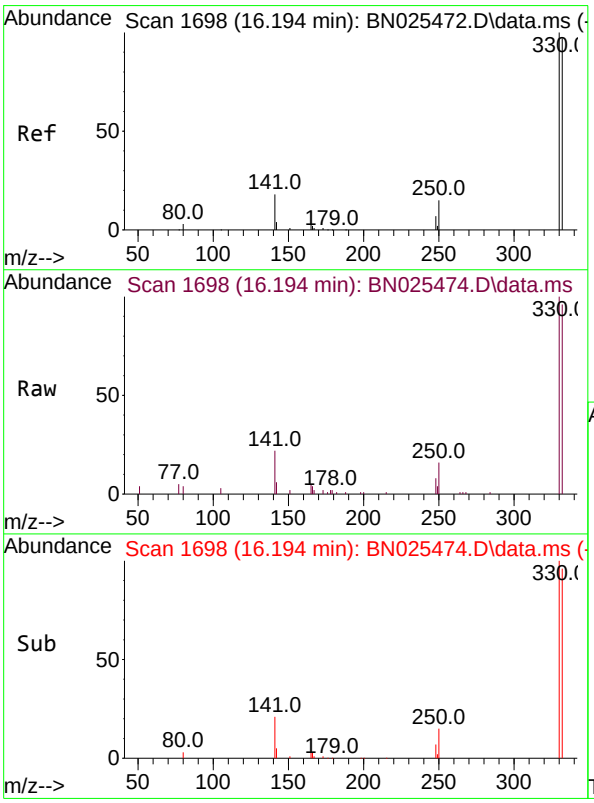
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 11159

Ion	Ratio	Lower	Upper
164	100		
162	106.6	84.2	126.2
160	52.1	41.4	62.2

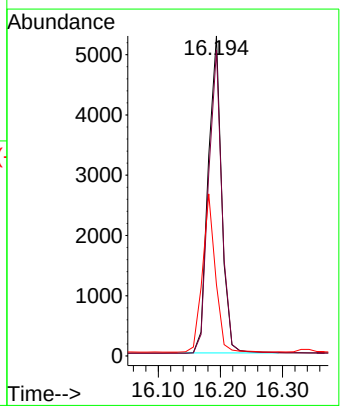


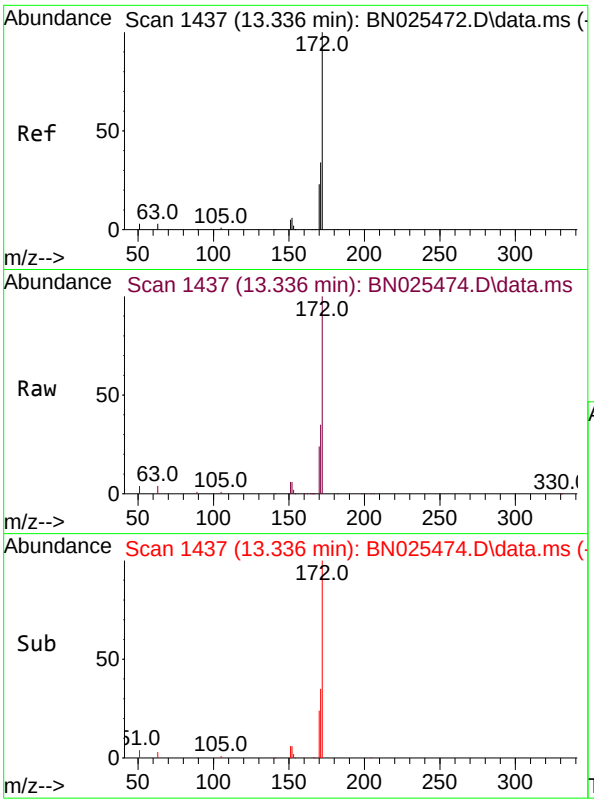


#14
2,4,6-Tribromophenol
Concen: 1.817 ng
RT: 16.194 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:330 Resp: 7906

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	48.3	36.1	54.1



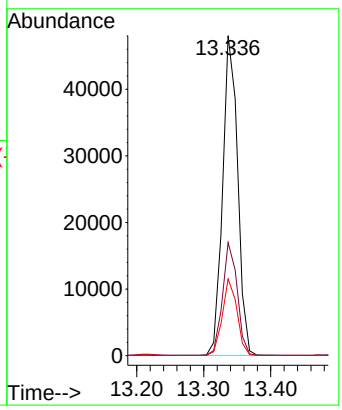


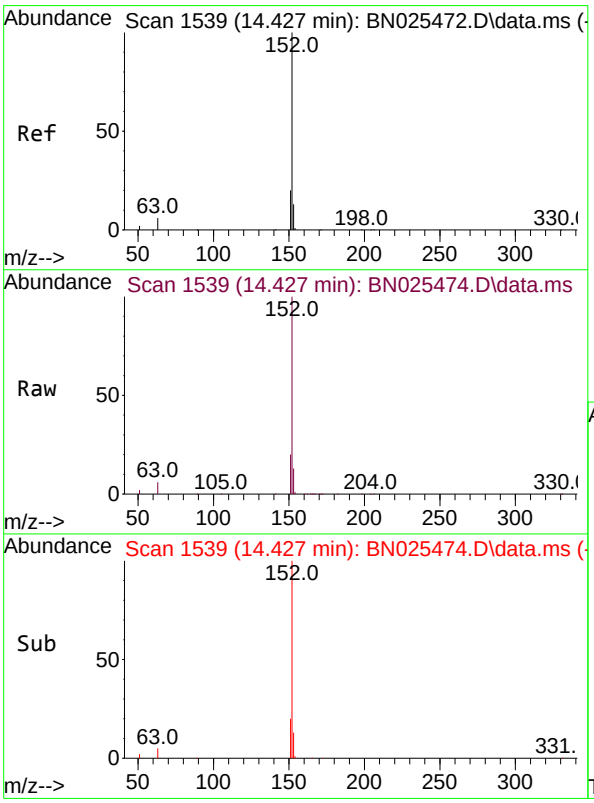
#15
2-Fluorobiphenyl
Concen: 1.753 ng
RT: 13.336 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 74826

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.6	41.4
170	24.0	18.9	28.3

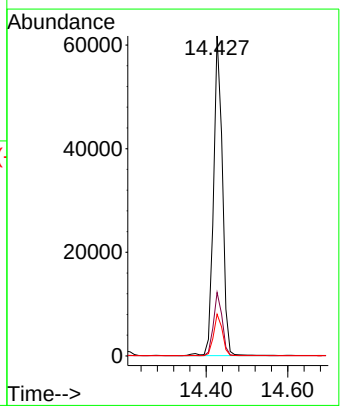


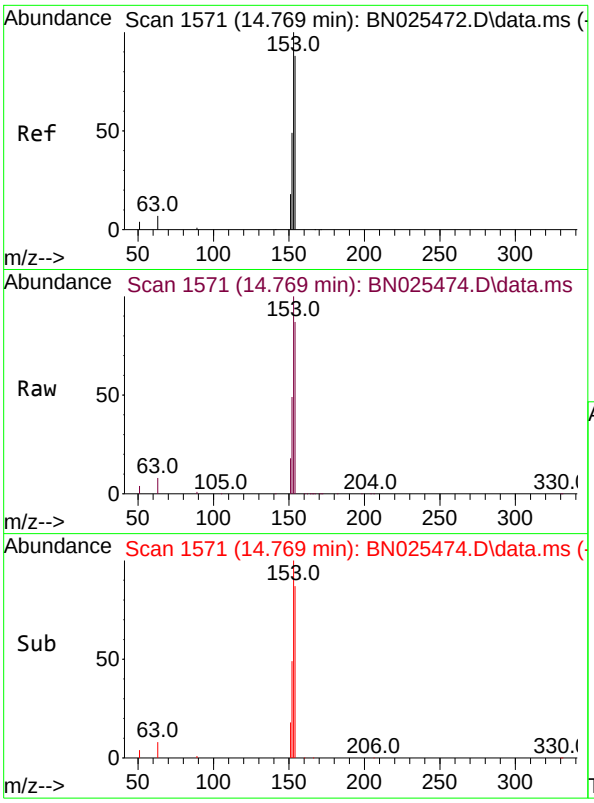


#16
Acenaphthylene
Concen: 1.821 ng
RT: 14.427 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:152 Resp: 92798

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.0	10.3	15.5



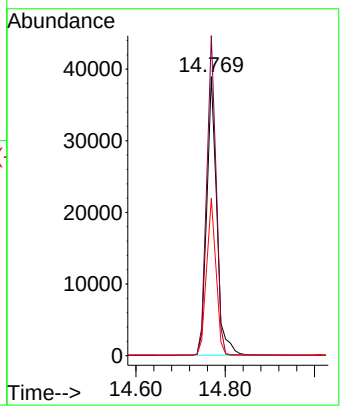


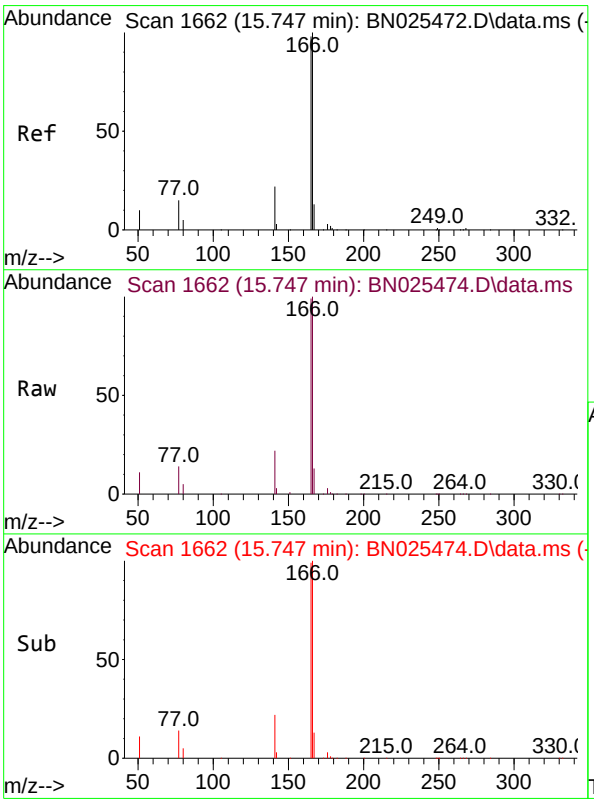
#17
Acenaphthene
Concen: 1.804 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 60617

Ion	Ratio	Lower	Upper
154	100		
153	107.3	86.9	130.3
152	53.2	43.9	65.9

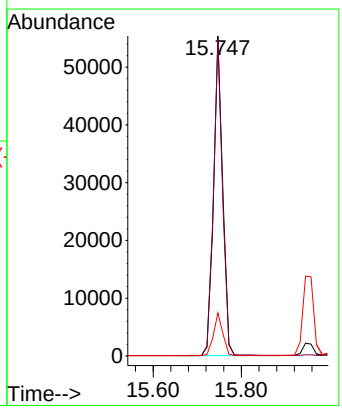


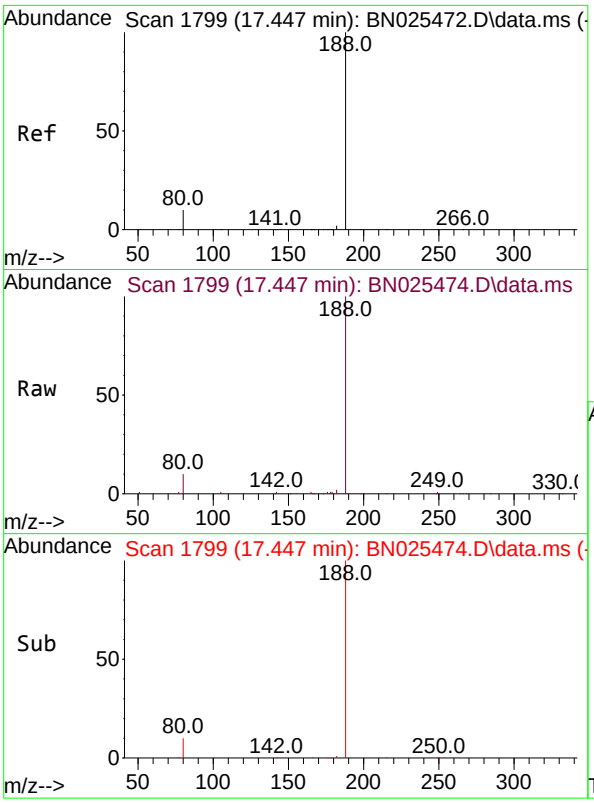


#18
Fluorene
Concen: 1.826 ng
RT: 15.747 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:166 Resp: 75896

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.9	119.9
167	13.8	11.2	16.8



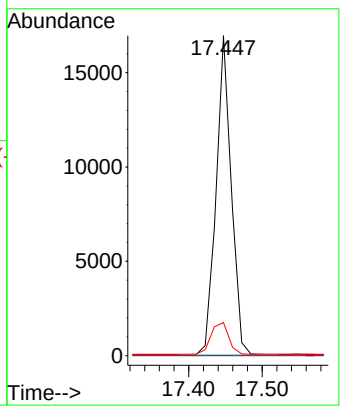


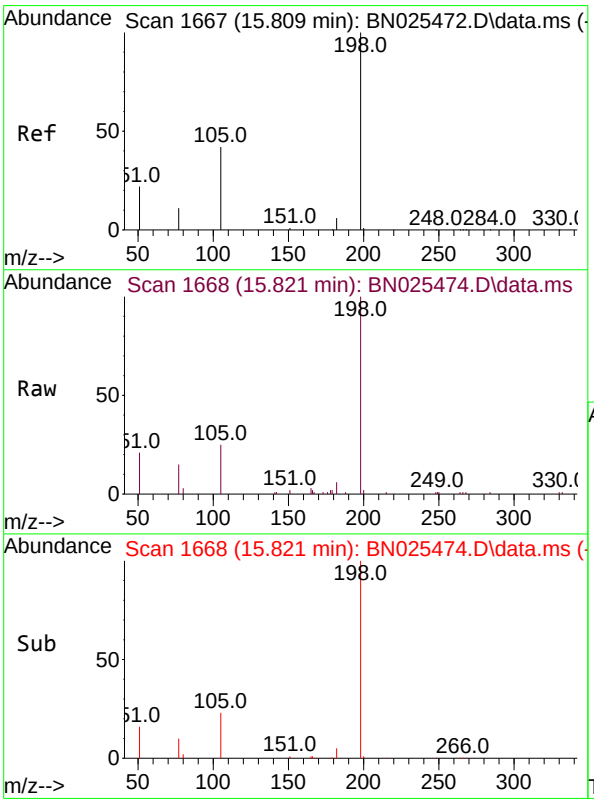
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.447 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 24224

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.2	12.4

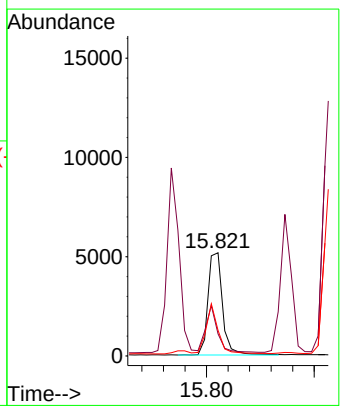


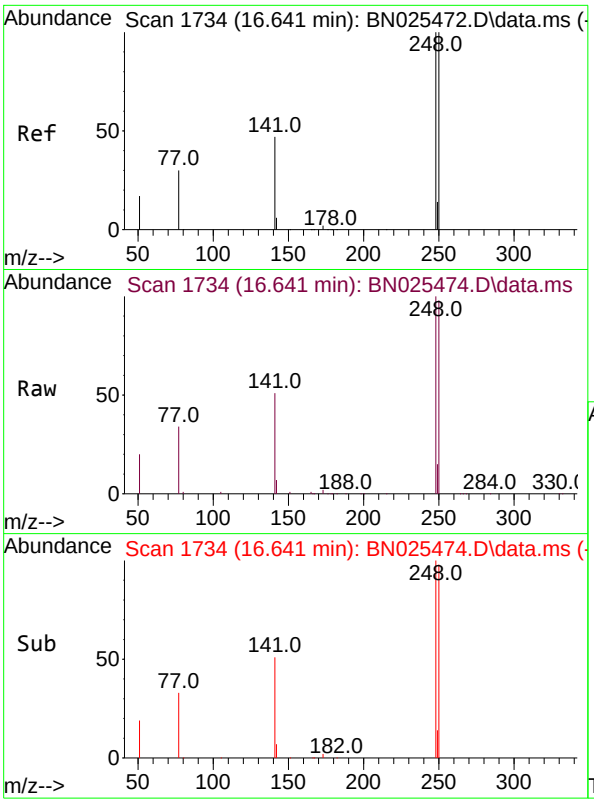


#20
4,6-Dinitro-2-methylphenol
Concen: 1.898 ng
RT: 15.821 min Scan# 1668
Delta R.T. 0.012 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:198 Resp: 9558

Ion	Ratio	Lower	Upper
198	100		
51	21.3	42.2	63.2#
105	24.8	41.0	61.6#



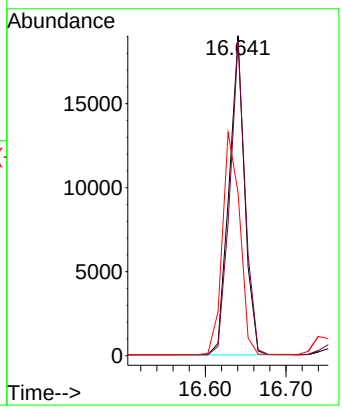


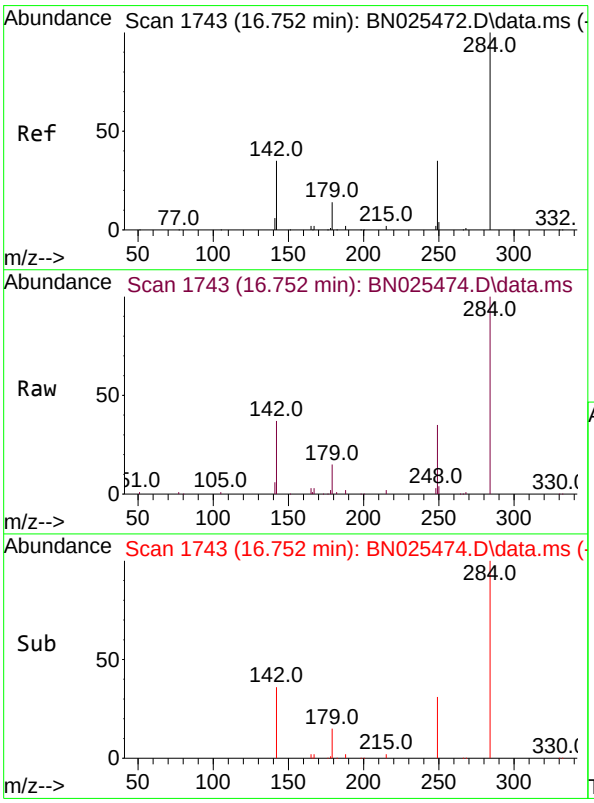
#21
4-Bromophenyl-phenylether
Concen: 1.794 ng
RT: 16.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 25575

Ion	Ratio	Lower	Upper
248	100		
250	98.3	79.8	119.8
141	50.9	38.7	58.1

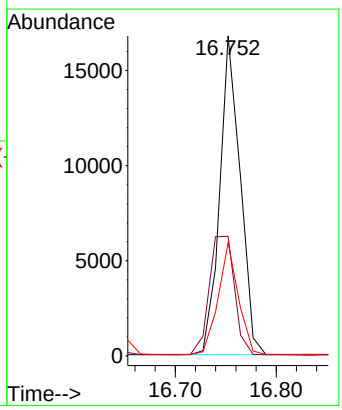


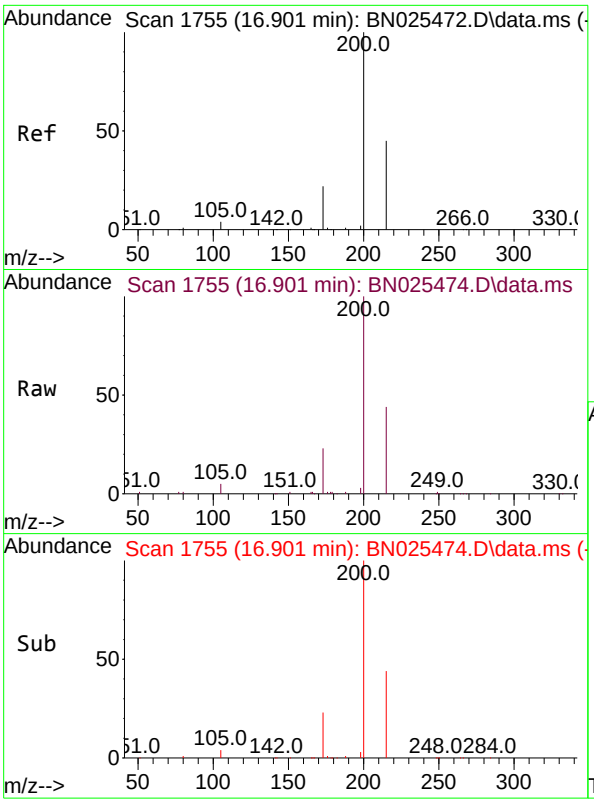


#22
Hexachlorobenzene
Concen: 1.773 ng
RT: 16.752 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:284 Resp: 23620

Ion	Ratio	Lower	Upper
284	100		
142	45.8	36.0	54.0
249	34.1	27.8	41.6



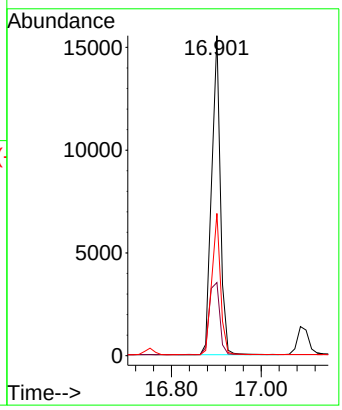


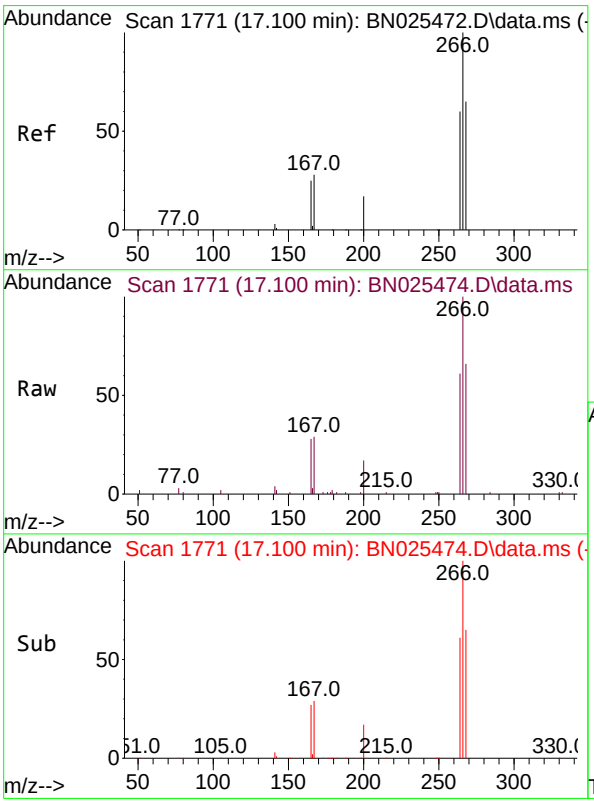
#23
Atrazine
Concen: 1.797 ng
RT: 16.901 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 20854

Ion	Ratio	Lower	Upper
200	100		
173	22.8	18.6	27.8
215	44.5	36.9	55.3

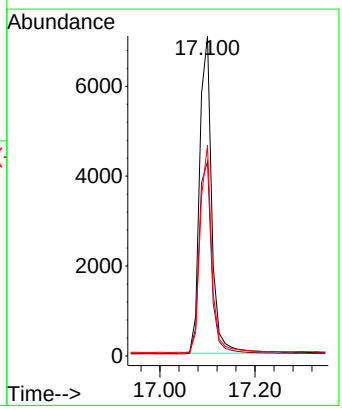


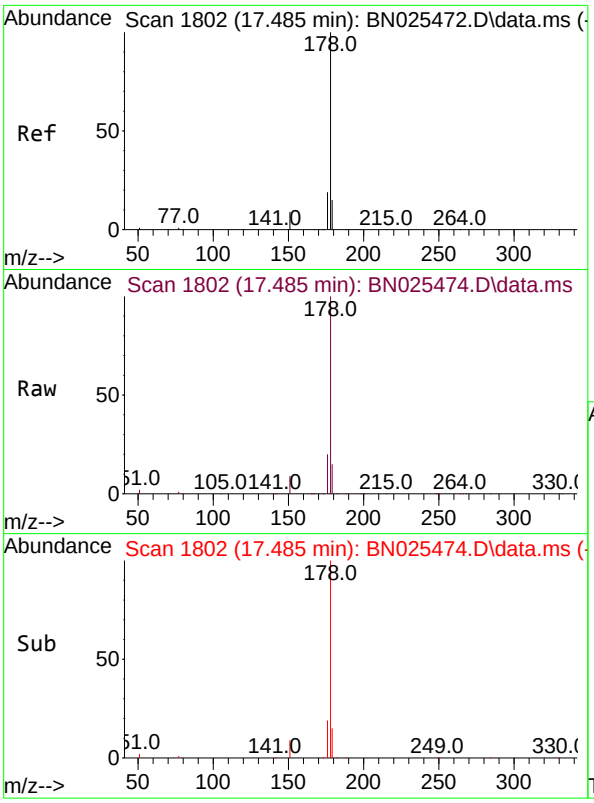


#24
Pentachlorophenol
Concen: 1.860 ng
RT: 17.100 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:266 Resp: 12493

Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.8	74.8
268	63.0	51.0	76.6



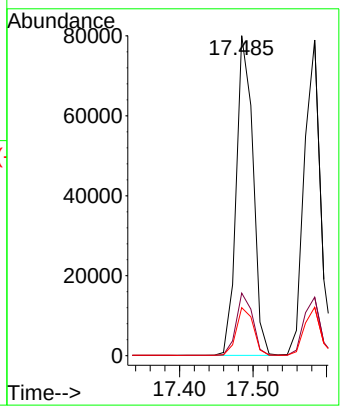


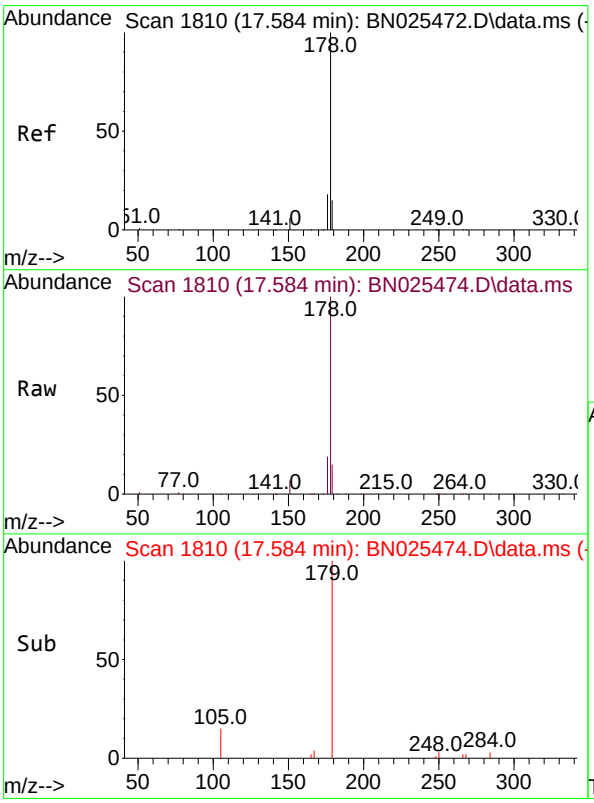
#25
Phenanthrene
Concen: 1.781 ng
RT: 17.485 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 126383

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.1	18.1

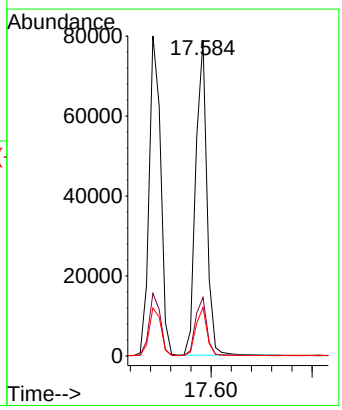


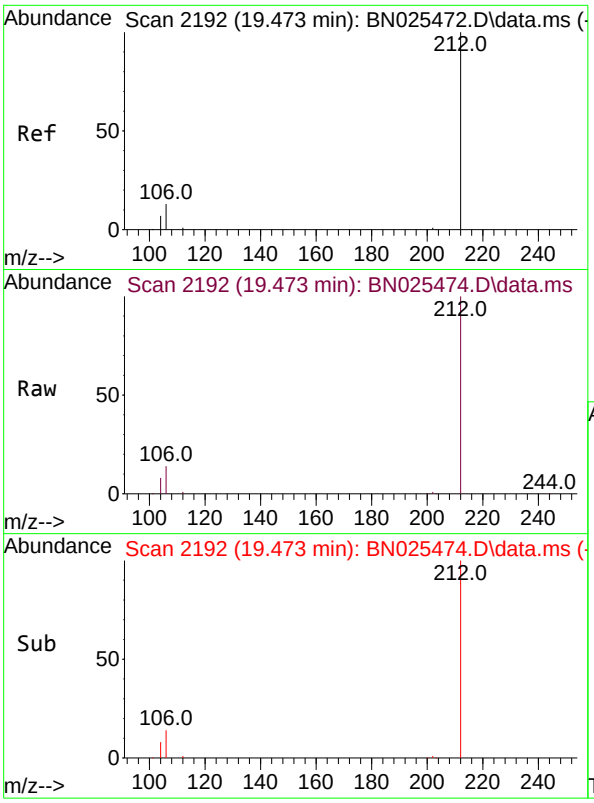


#26
Anthracene
Concen: 1.822 ng
RT: 17.584 min Scan# 1810
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:178 Resp: 121013

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.1	12.1	18.1



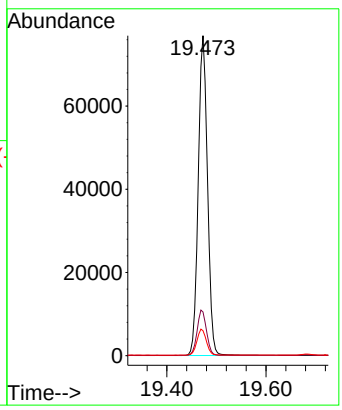


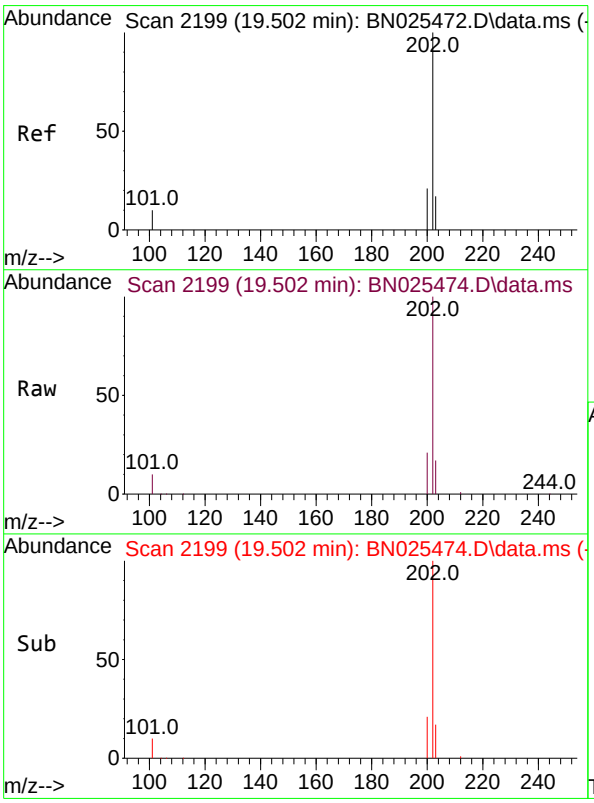
#27
Fluoranthene-d10
Concen: 1.785 ng
RT: 19.473 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 99851

Ion	Ratio	Lower	Upper
212	100		
106	14.3	11.4	17.2
104	8.2	6.6	10.0

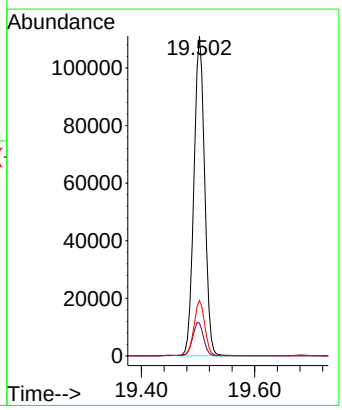


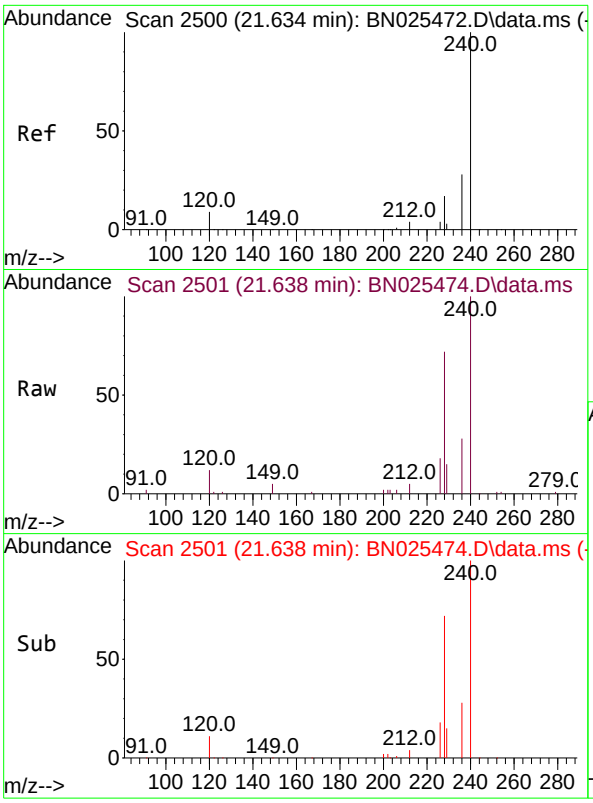


#28
Fluoranthene
Concen: 1.818 ng
RT: 19.502 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:202 Resp: 146626

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.7	13.1
203	17.2	13.8	20.6



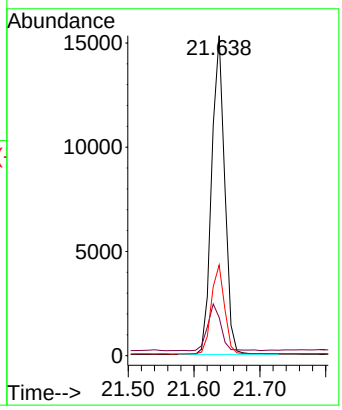


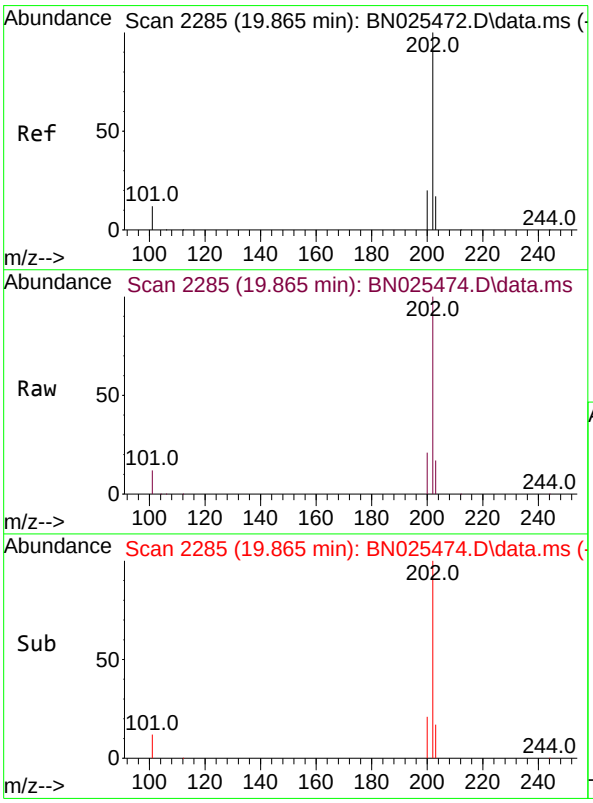
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.638 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 20986

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.6	12.8
236	28.3	22.7	34.1

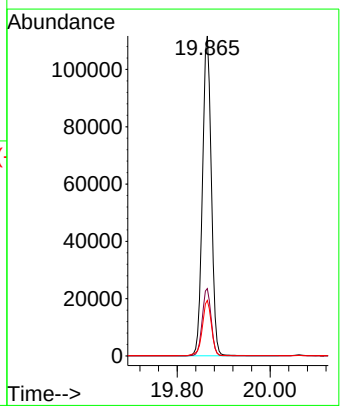


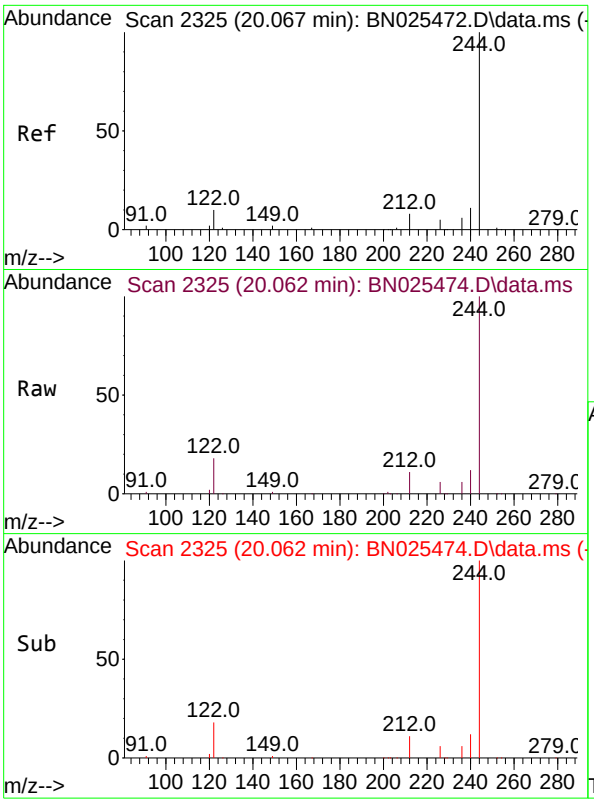


#30
Pyrene
Concen: 1.800 ng
RT: 19.865 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:202 Resp: 150704

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.3	14.2	21.4



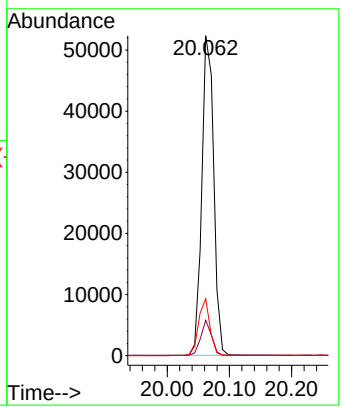


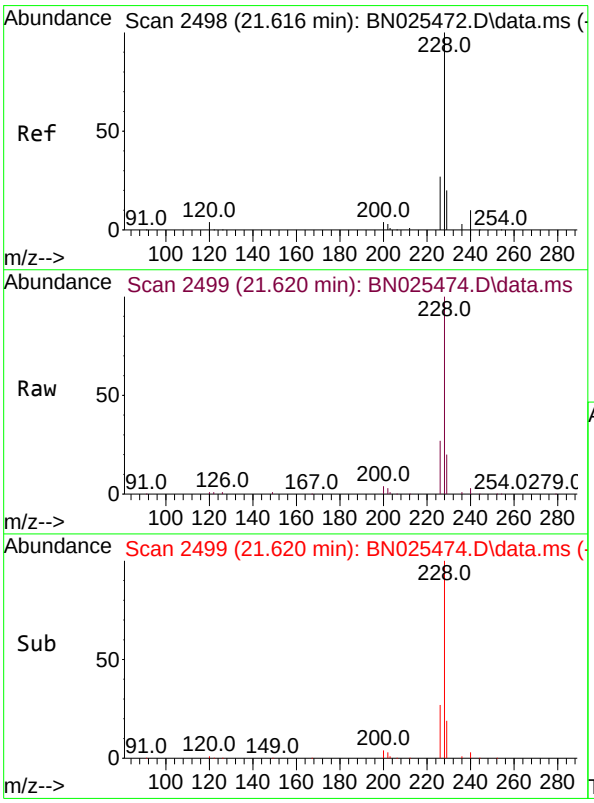
#31
Terphenyl-d14
Concen: 1.862 ng
RT: 20.062 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 69440

Ion	Ratio	Lower	Upper
244	100		
212	11.0	6.6	10.0#
122	17.8	8.1	12.1#

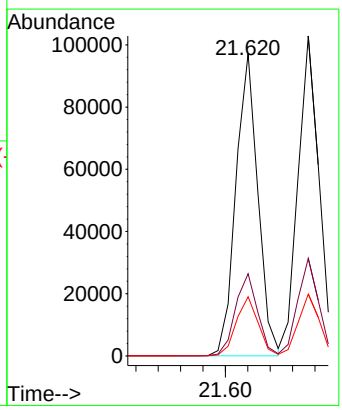


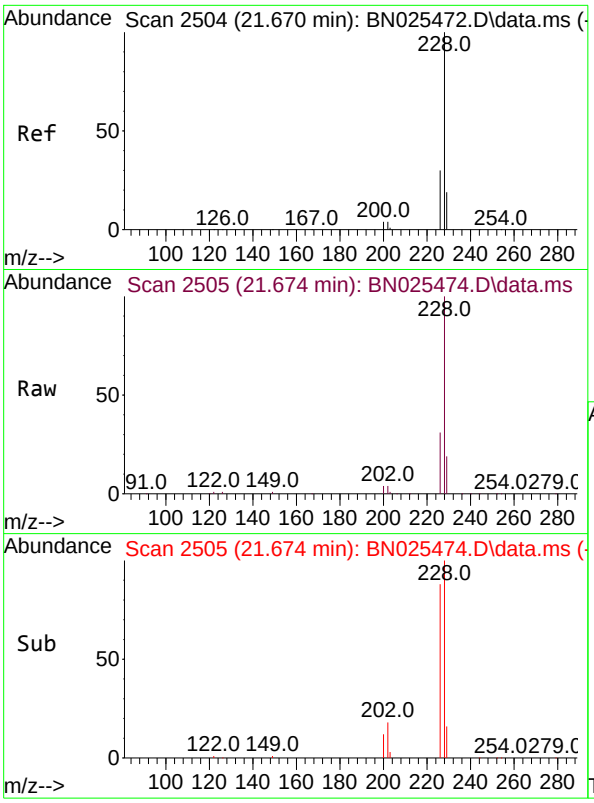


#32
Benzo(a)anthracene
Concen: 1.749 ng
RT: 21.620 min Scan# 2499
Delta R.T. 0.004 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:228 Resp: 132921

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.5	15.8	23.8



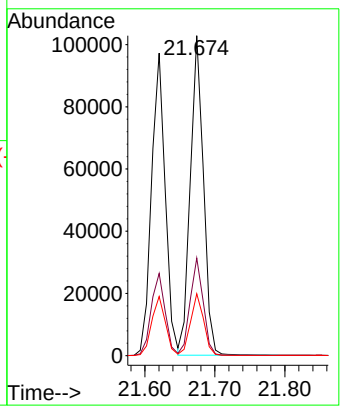


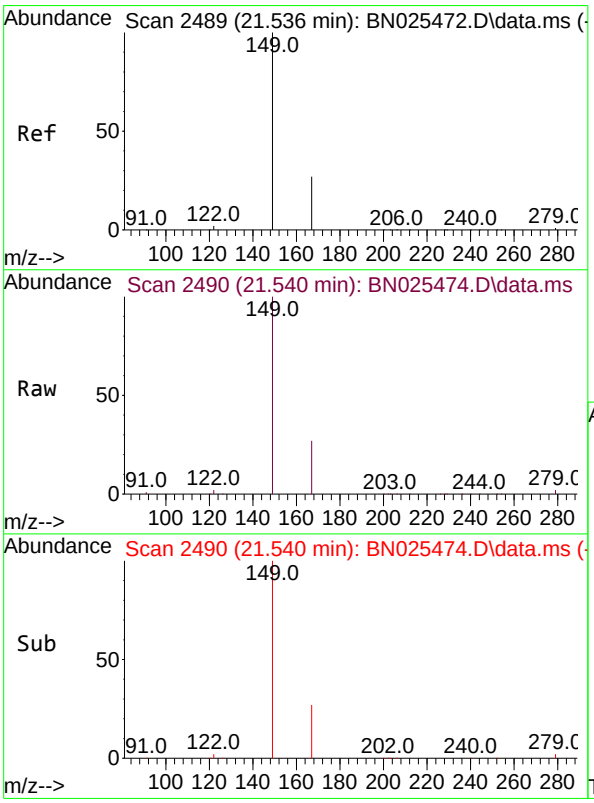
#33
Chrysene
Concen: 1.779 ng
RT: 21.674 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 134039

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	19.4	15.4	23.2

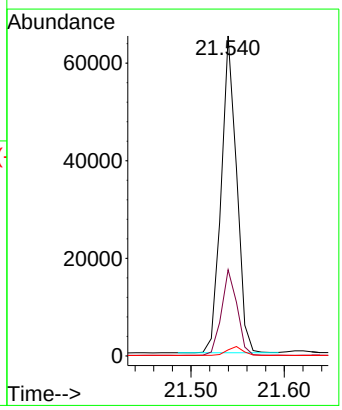


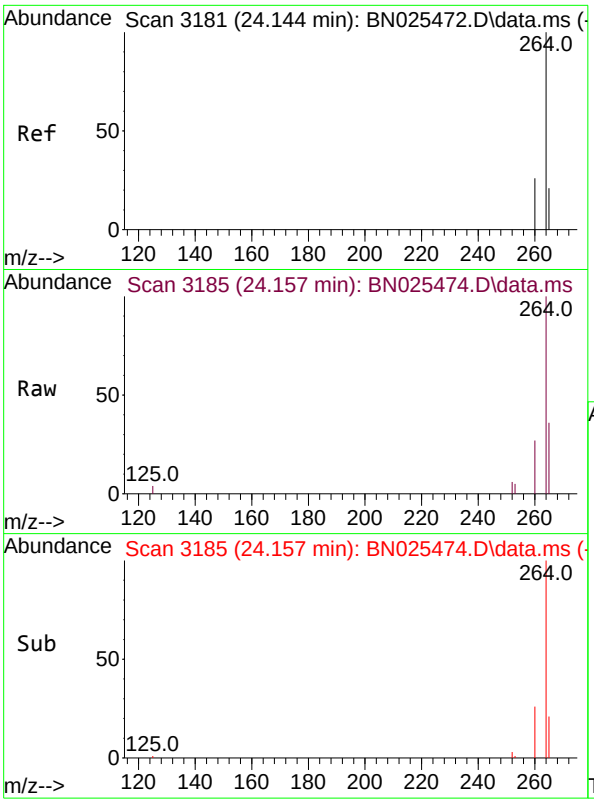


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.670 ng
RT: 21.540 min Scan# 2490
Delta R.T. 0.004 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:149 Resp: 74679

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.0	33.0
279	2.9	2.6	3.8



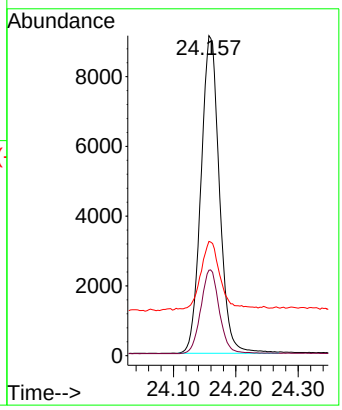


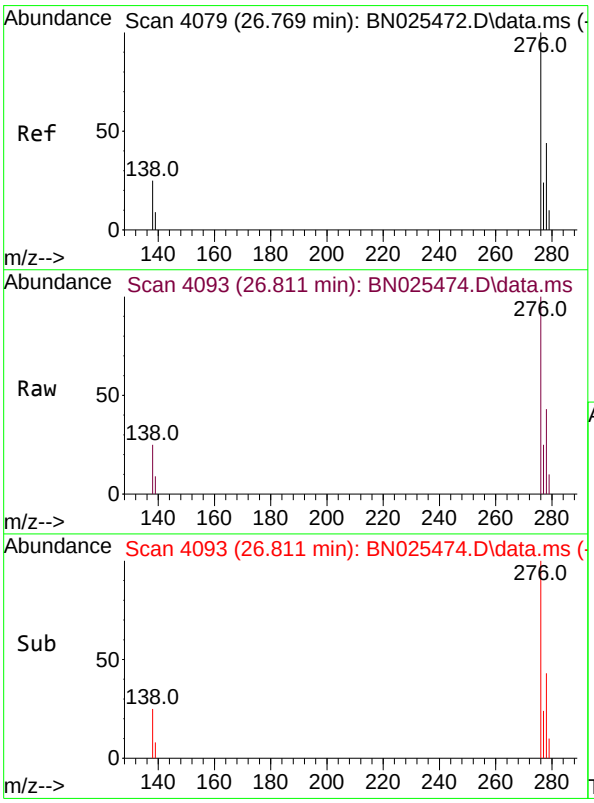
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.157 min Scan# 3
Delta R.T. 0.013 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 18710

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.2	31.8
265	35.7	27.1	40.7

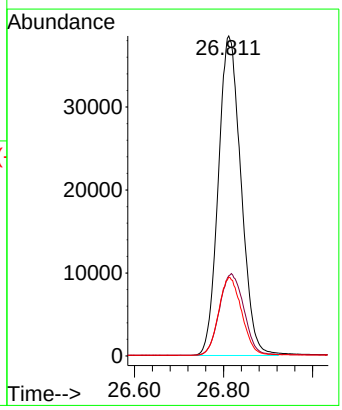


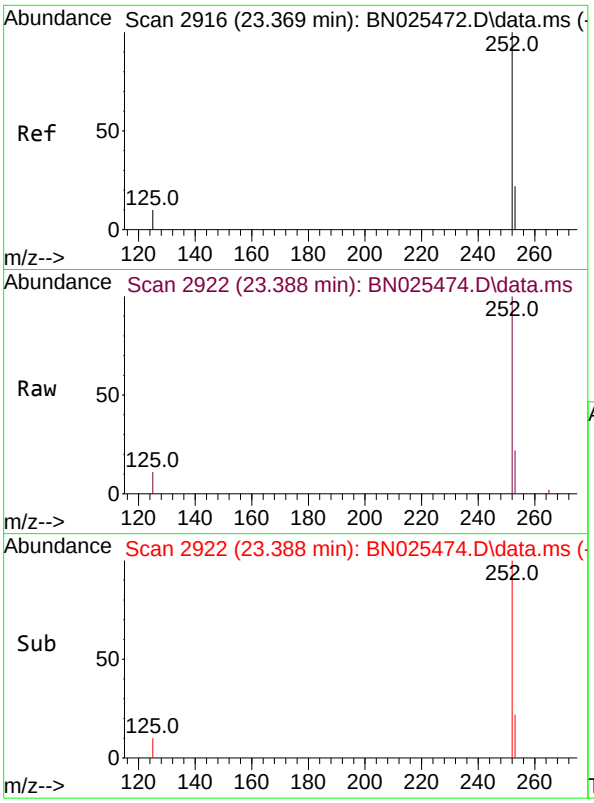


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.797 ng
RT: 26.811 min Scan# 4093
Delta R.T. 0.042 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:276 Resp: 136082

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.8	32.6
277	24.8	19.7	29.5



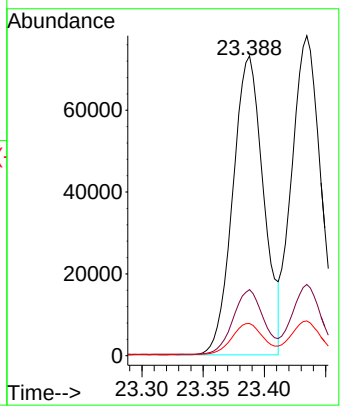


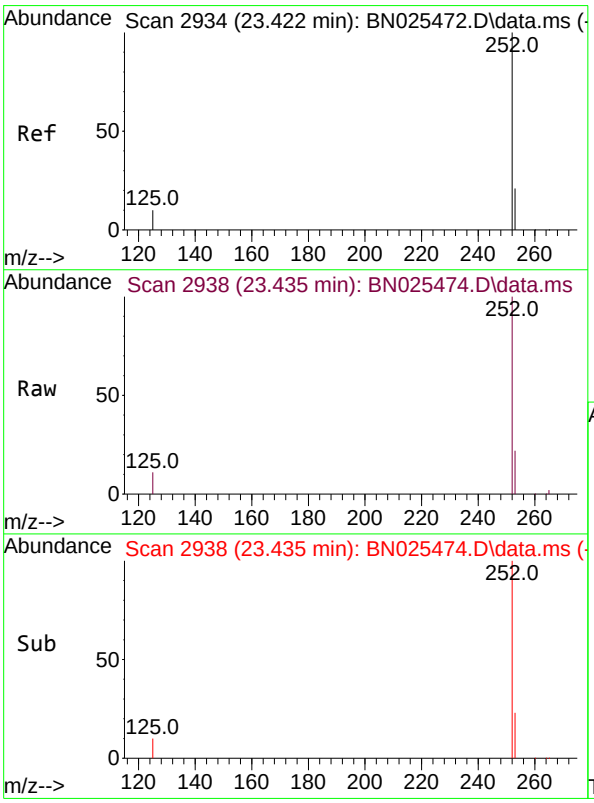
#37
Benzo(b)fluoranthene
Concen: 1.838 ng
RT: 23.388 min Scan# 2
Delta R.T. 0.019 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 127640

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.8	28.2
125	10.8	9.6	14.4

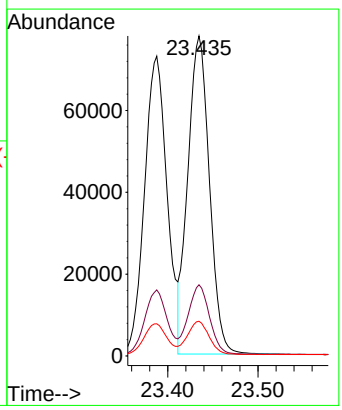


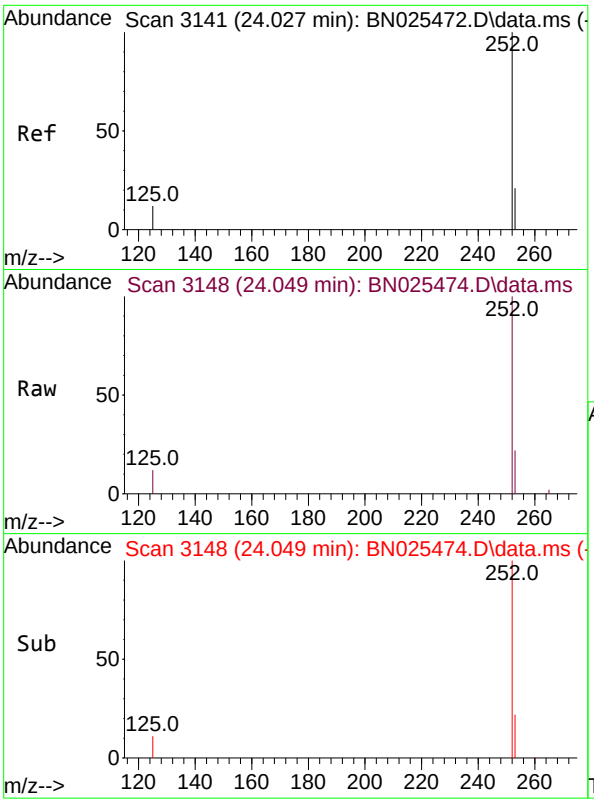


#38
Benzo(k)fluoranthene
Concen: 1.824 ng
RT: 23.435 min Scan# 2938
Delta R.T. 0.013 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:252 Resp: 128959

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	10.9	9.8	14.8



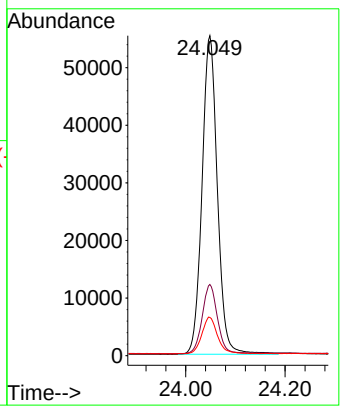


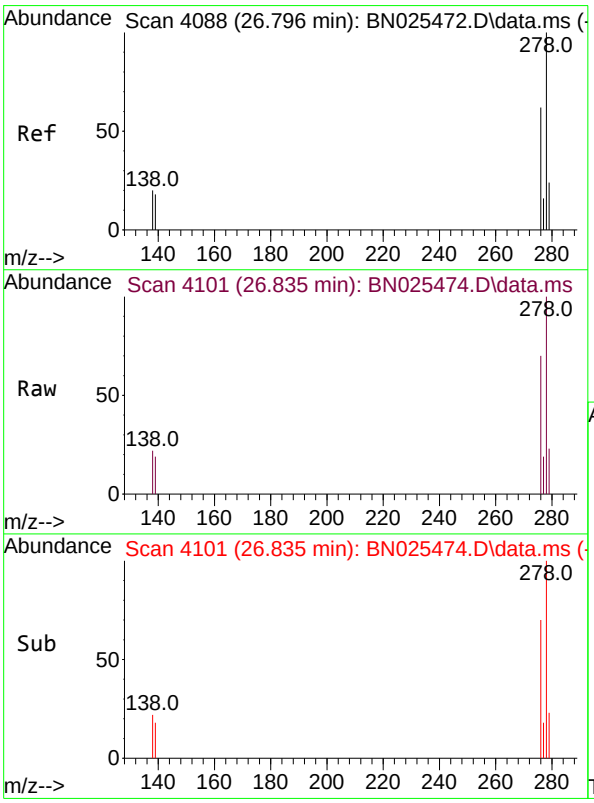
#39
Benzo(a)pyrene
Concen: 1.816 ng
RT: 24.049 min Scan# 3
Delta R.T. 0.022 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 118743

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	28.0
125	12.0	11.0	16.6

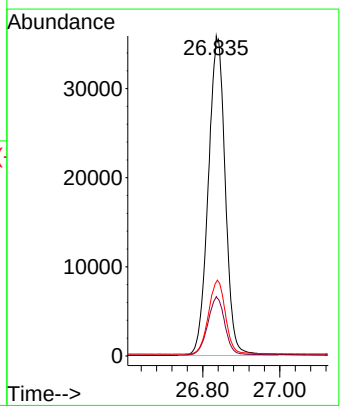


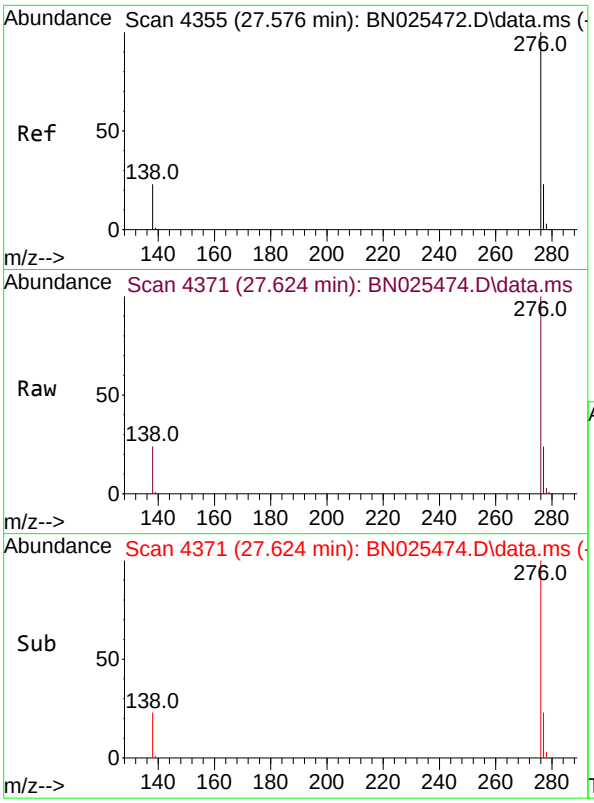


#40
Dibenzo(a,h)anthracene
Concen: 1.805 ng
RT: 26.835 min Scan# 4101
Delta R.T. 0.039 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Tgt Ion:278 Resp: 109506

Ion	Ratio	Lower	Upper
278	100		
139	18.5	15.0	22.6
279	23.1	20.5	30.7





#41
Benzo(g,h,i)perylene
Concen: 1.785 ng
RT: 27.624 min Scan# 4
Delta R.T. 0.048 min
Lab File: BN025474.D
Acq: 18 May 2023 13:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 114175

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	23.7	19.2	28.8