Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022478.D
Acq On : 03 Nov 2022 14:42
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 04 03:11:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 03:06:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	2367	0.400	ng		0.00
7) Naphthalene-d8	10.752	136	7426	0.400	ng		0.00
13) Acenaphthene-d10	14.600	164	5456	0.400	ng		0.00
19) Phenanthrene-d10	17.350	188	11556	0.400	ng		0.00
29) Chrysene-d12	21.564	240	10178	0.400	ng		0.00
35) Perylene-d12	24.017	264	10030	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.450	112	5293	0.839	ng		0.00
5) Phenol-d6	7.090	99	6822	0.863	ng		0.00
8) Nitrobenzene-d5	9.097	82	5648	0.879	ng		-0.01
11) 2-Methylnaphthalene-d10	12.349	152	11307	0.970	ng		0.00
14) 2,4,6-Tribromophenol	16.096	330	2163	0.922	ng		0.00
15) 2-Fluorobiphenyl	13.220	172	17647	0.756	ng		0.00
27) Fluoranthene-d10	19.394	212	25315	0.793	ng		0.00
31) Terphenyl-d14	19.993	244	24138	0.910	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.262	88	2887	0.871	ng		99
3) n-Nitrosodimethylamine	3.609	42	3025	0.858	ng		98
6) bis(2-Chloroethyl)ether	7.350	93	6133	0.808	ng		99
9) Naphthalene	10.795	128	17838	0.803	ng		98
10) Hexachlorobutadiene	11.083	225	3490	0.927	ng	#	100
12) 2-Methylnaphthalene	12.058	142	4838	1.095	ng	#	87
16) Acenaphthylene	14.322	152	21456	0.812	ng		99
17) Acenaphthene	14.664	154	14013	0.778	ng		99
18) Fluorene	15.647	166	19837	0.790	ng		99
20) 4,6-Dinitro-2-methylph...	15.749	198	1417	0.767	ng	#	58
21) 4-Bromophenyl-phenylether	16.543	248	5573	0.799	ng		96
22) Hexachlorobenzene	16.655	284	6389	0.800	ng		99
23) Atrazine	16.816	200	4947	0.849	ng		97
24) Pentachlorophenol	17.015	266	2385	0.722	ng		98
25) Phenanthrene	17.400	178	30167	0.761	ng		100
26) Anthracene	17.486	178	26265	0.787	ng		100
28) Fluoranthene	19.424	202	33574	0.782	ng		99
30) Pyrene	19.791	202	34202	0.730	ng		100
32) Benzo(a)anthracene	21.546	228	32007	0.799	ng		99
33) Chrysene	21.600	228	31807	0.759	ng		99
34) Bis(2-ethylhexyl)phtha...	21.456	149	24503	0.798	ng		100
36) Indeno(1,2,3-cd)pyrene	26.587	276	37073	0.748	ng		99
37) Benzo(b)fluoranthene	23.309	252	32069	0.698	ng		94
38) Benzo(k)fluoranthene	23.309	252	31600	0.692	ng		95
39) Benzo(a)pyrene	23.906	252	26439	0.708	ng	#	92
40) Dibenzo(a,h)anthracene	26.610	278	29673	0.767	ng		96
41) Benzo(g,h,i)perylene	27.379	276	31398	0.769	ng		97

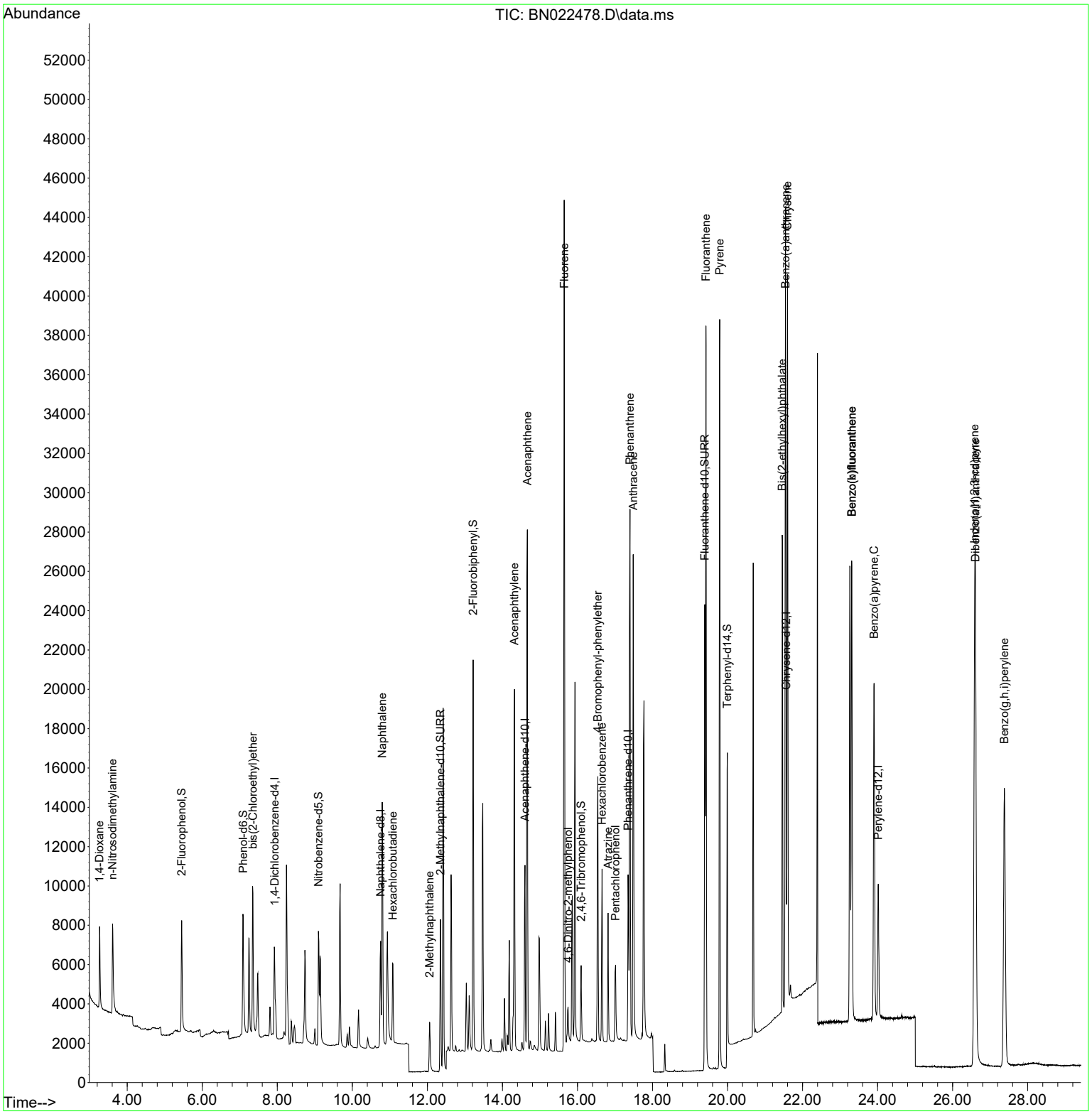
(#) = qualifier out of range (m) = manual integration (+) = signals summed

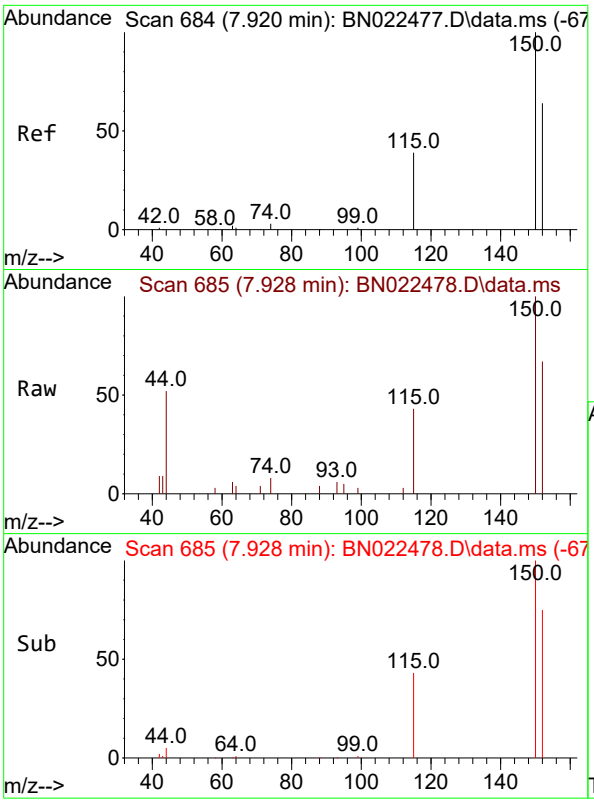
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022478.D
Acq On : 03 Nov 2022 14:42
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 04 03:11:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 03:06:33 2022
Response via : Initial Calibration



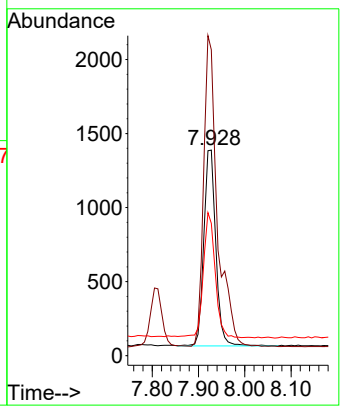


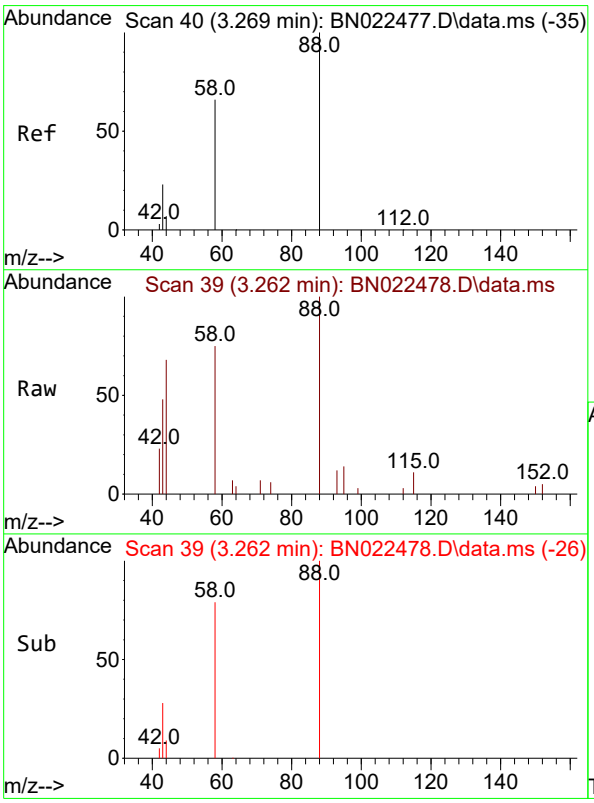
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 6
Delta R.T. 0.008 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 2367

Ion	Ratio	Lower	Upper
152	100		
150	148.8	123.4	185.2
115	64.3	54.9	82.3

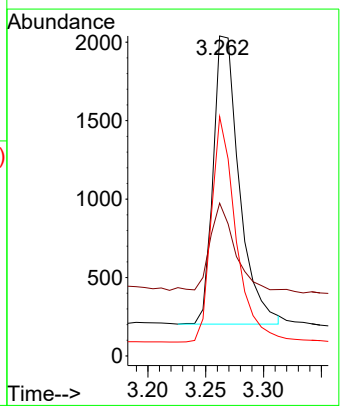


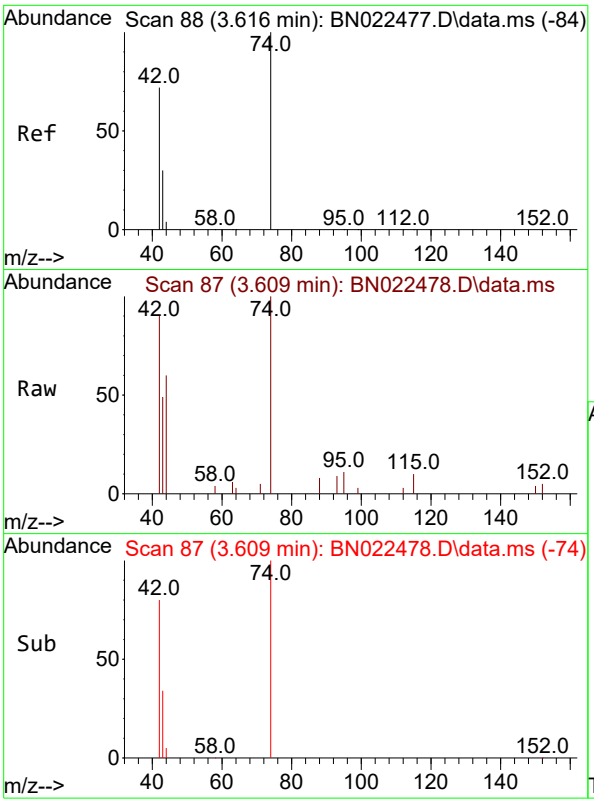


#2
1,4-Dioxane
Concen: 0.871 ng
RT: 3.262 min Scan# 39
Delta R.T. -0.007 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion: 88 Resp: 2887

Ion	Ratio	Lower	Upper
88	100		
43	27.2	21.4	32.0
58	73.4	58.4	87.6



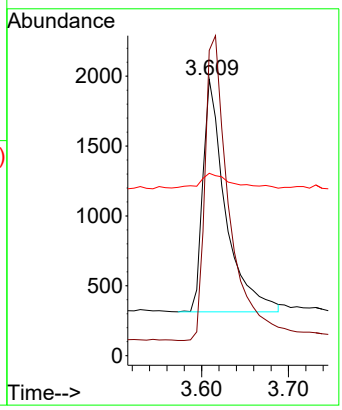


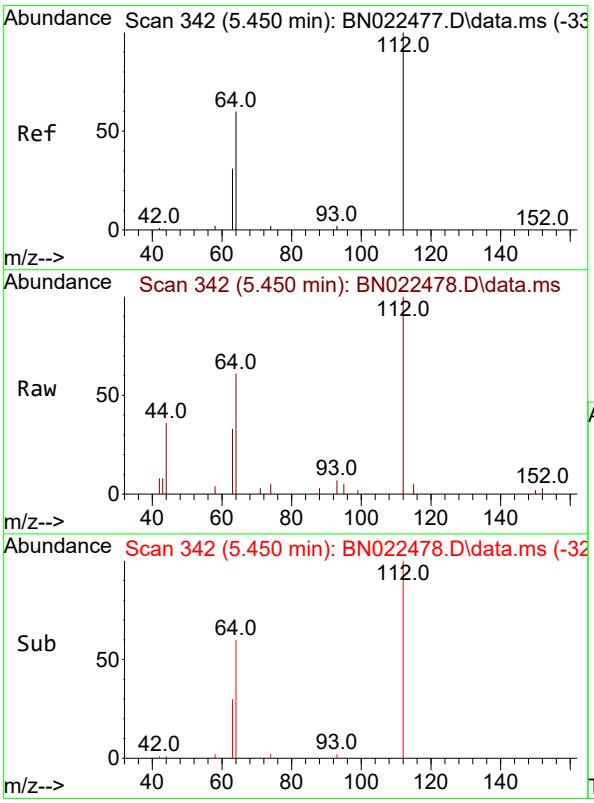
#3
n-Nitrosodimethylamine
Concen: 0.858 ng
RT: 3.609 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 3025

Ion	Ratio	Lower	Upper
42	100		
74	139.7	110.6	165.8
44	8.8	8.6	13.0

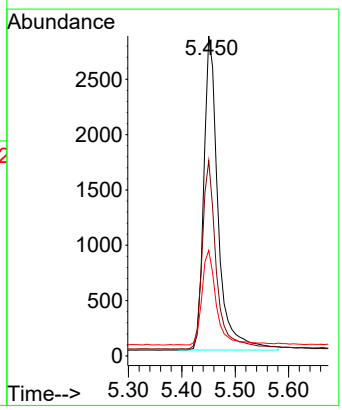


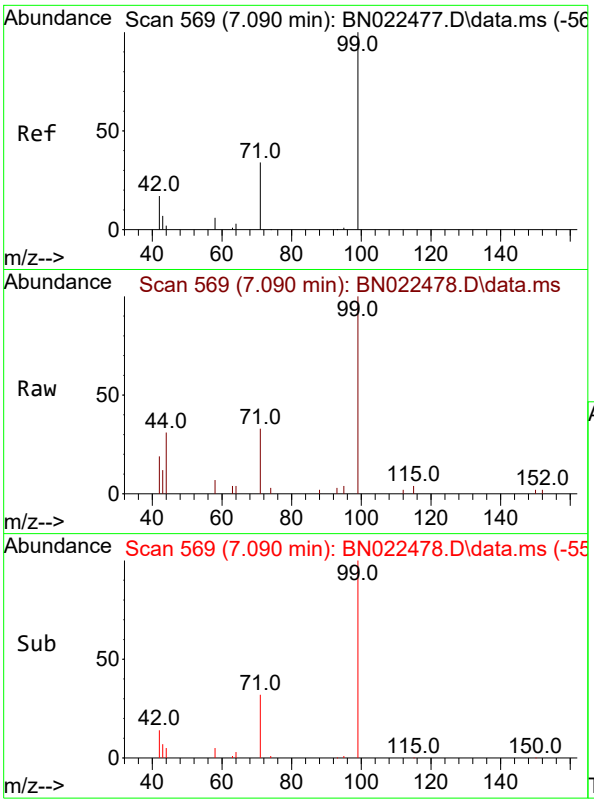


#4
2-Fluorophenol
Concen: 0.839 ng
RT: 5.450 min Scan# 342
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:112 Resp: 5293

Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.1	70.7
63	30.5	24.6	36.8



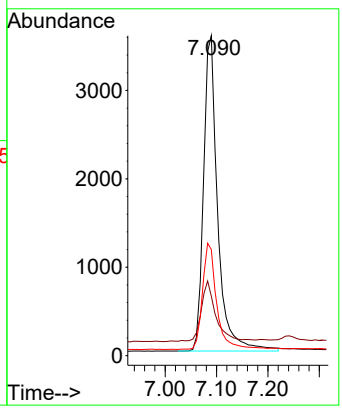


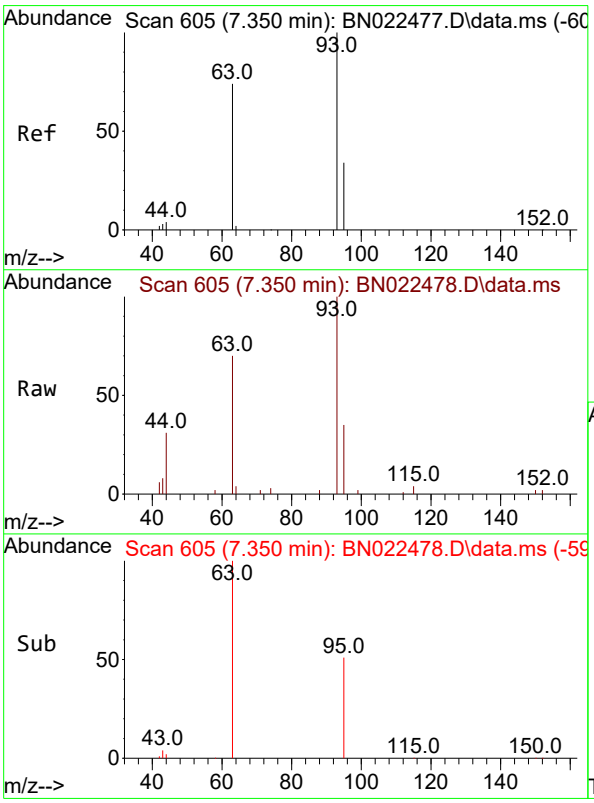
#5
Phenol-d6
Concen: 0.863 ng
RT: 7.090 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 6822

Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.7	22.1
71	33.8	27.0	40.6

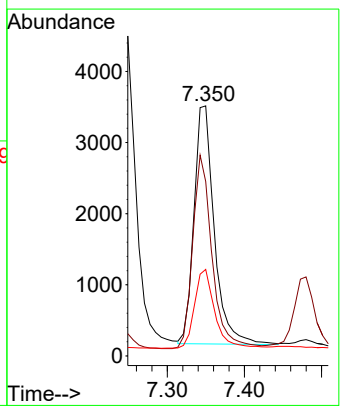


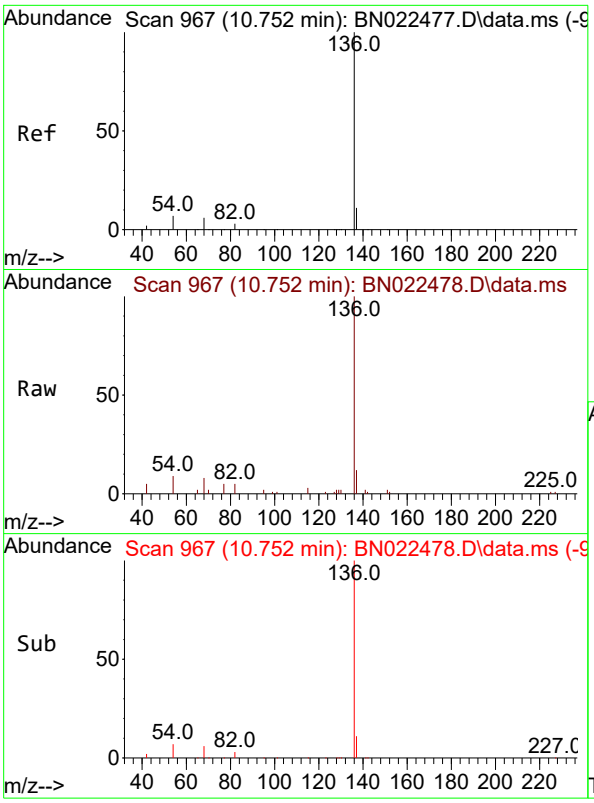


#6
bis(2-Chloroethyl)ether
Concen: 0.808 ng
RT: 7.350 min Scan# 605
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion: 93 Resp: 6133

Ion	Ratio	Lower	Upper
93	100		
63	77.6	61.2	91.8
95	32.9	25.7	38.5



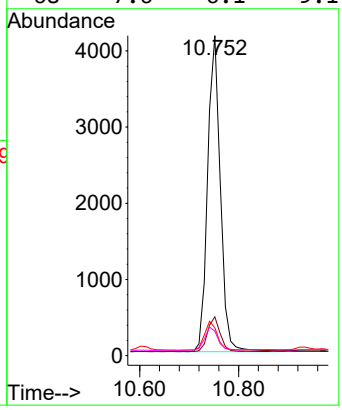


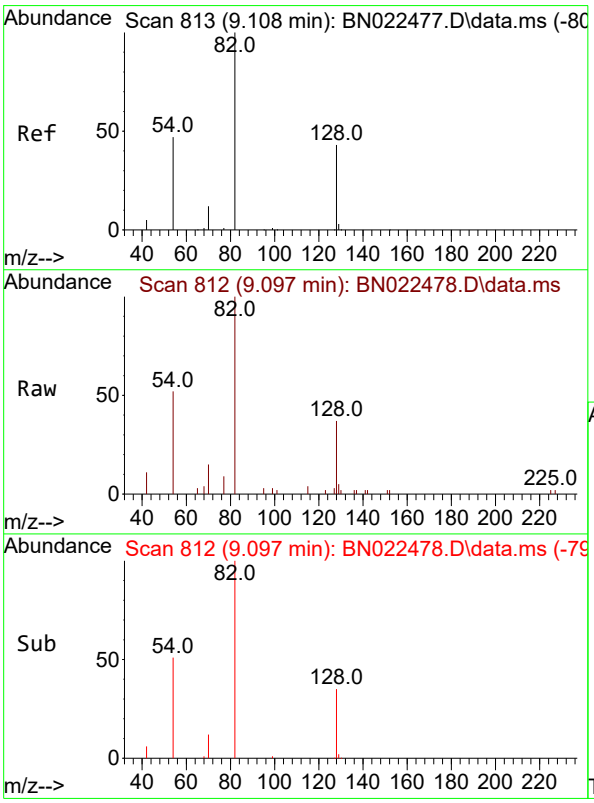
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 7426

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.7	7.1	10.7
68	7.6	6.1	9.1

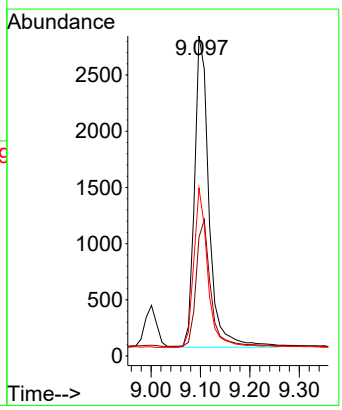


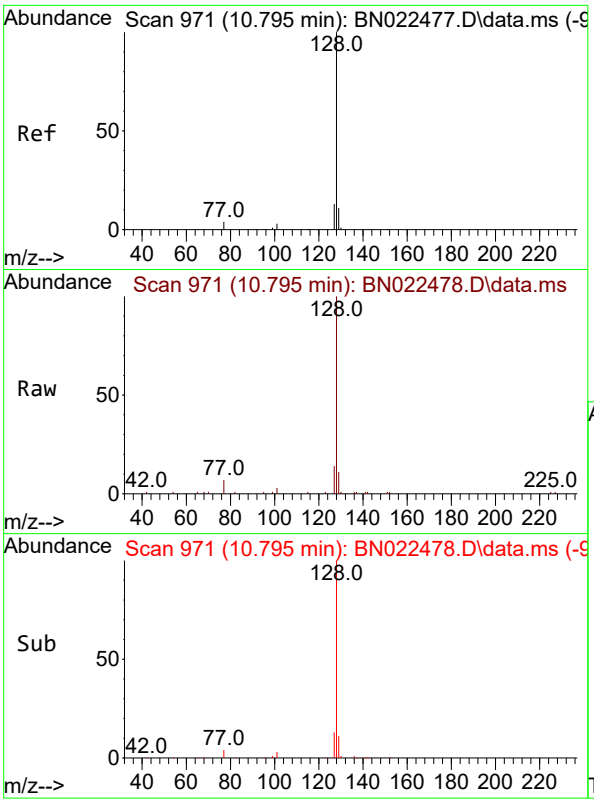


#8
Nitrobenzene-d5
Concen: 0.879 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion: 82 Resp: 5648

Ion	Ratio	Lower	Upper
82	100		
128	37.1	37.3	55.9#
54	52.5	40.0	60.0



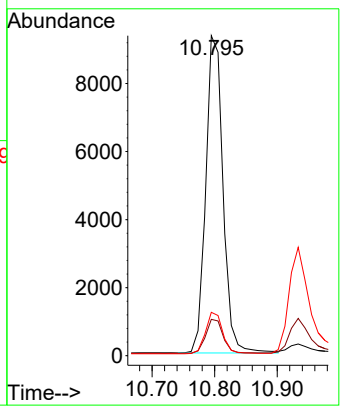


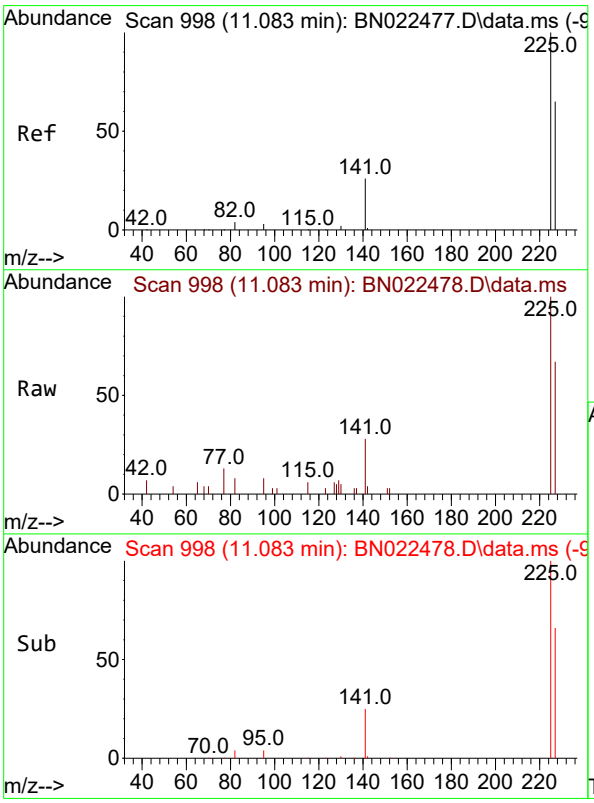
#9
Naphthalene
Concen: 0.803 ng
RT: 10.795 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 17838

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.8	14.6
127	13.6	11.4	17.2

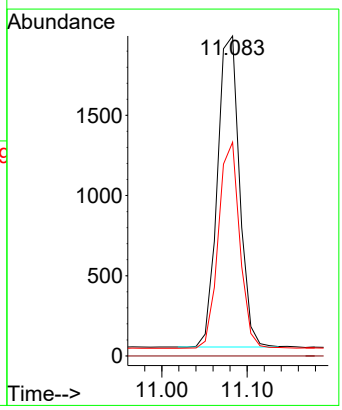


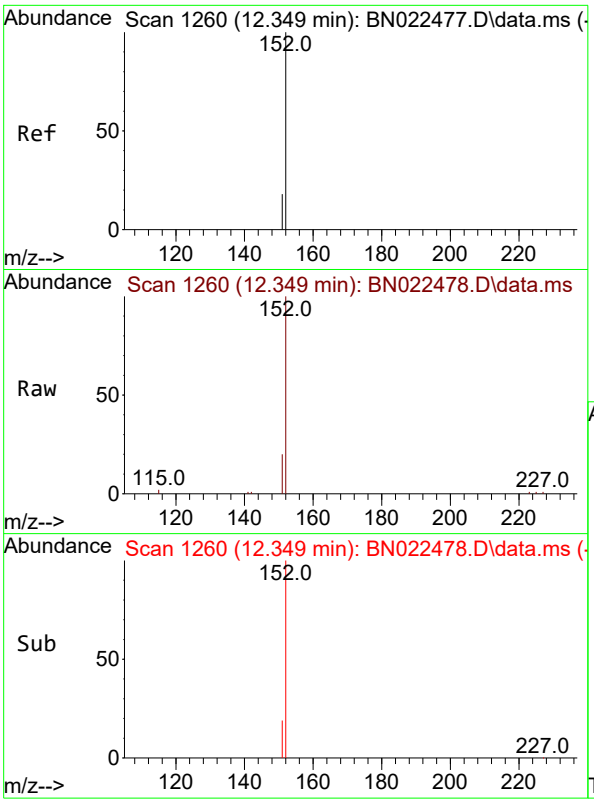


#10
Hexachlorobutadiene
Concen: 0.927 ng
RT: 11.083 min Scan# 998
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:225 Resp: 3490

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.0	76.4



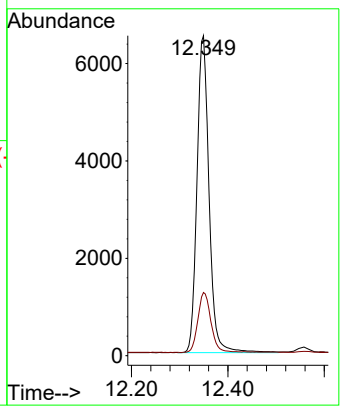


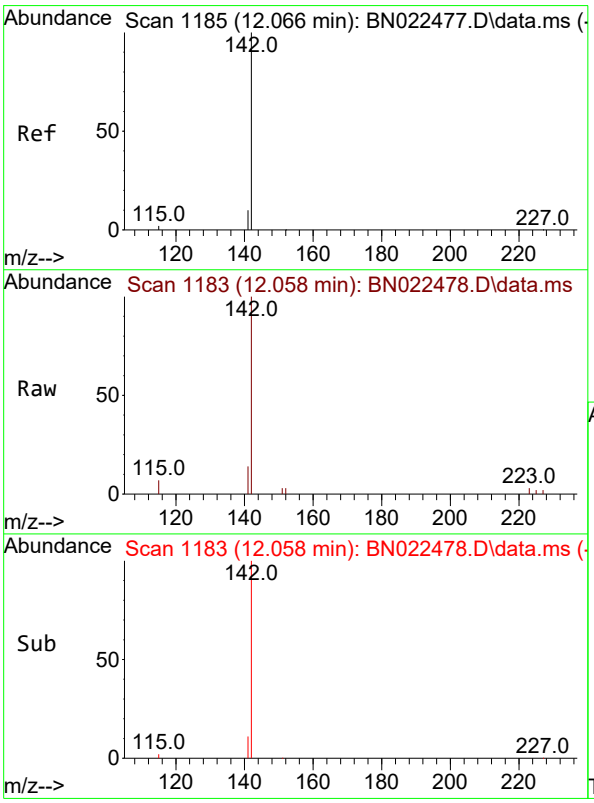
#11
2-Methylnaphthalene-d10
Concen: 0.970 ng
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 11307

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0

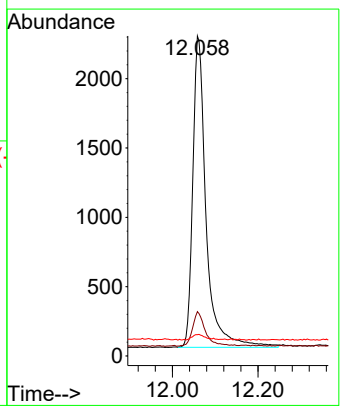


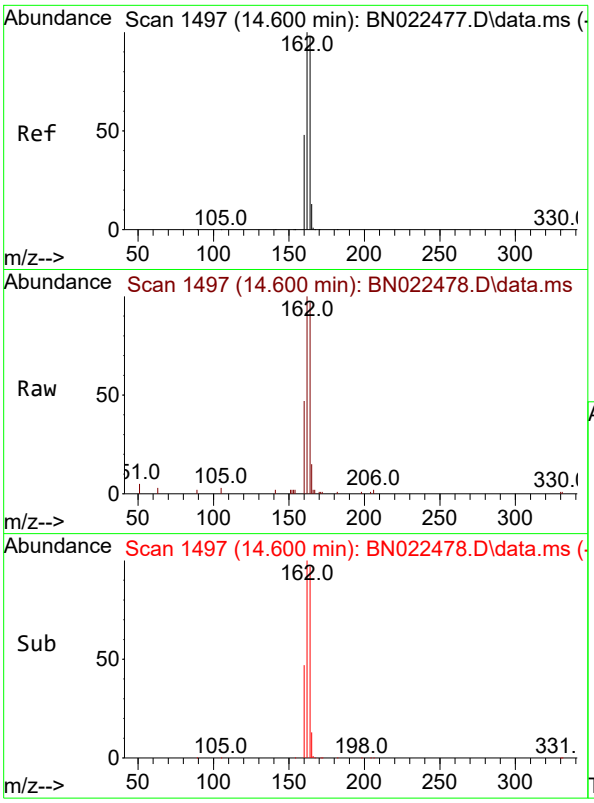


#12
2-Methylnaphthalene
Concen: 1.095 ng
RT: 12.058 min Scan# 1183
Delta R.T. -0.008 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:142 Resp: 4838

Ion	Ratio	Lower	Upper
142	100		
141	13.9	13.7	20.5
115	6.7	11.4	17.2#



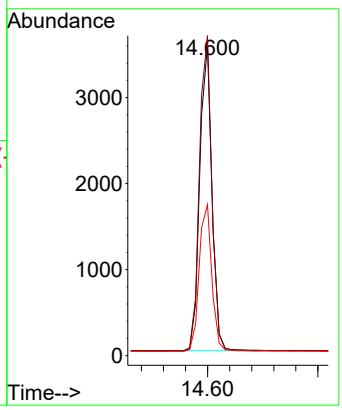


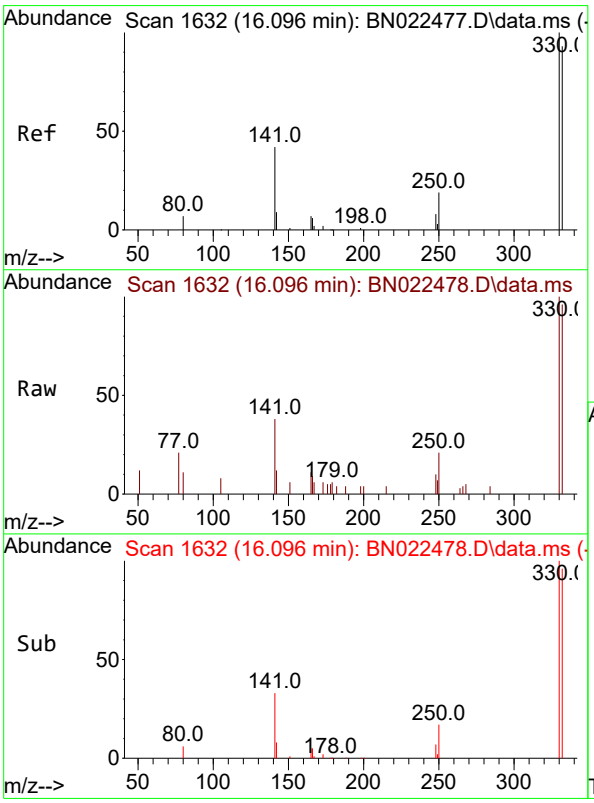
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 5456

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.0	123.0
160	48.6	39.4	59.2

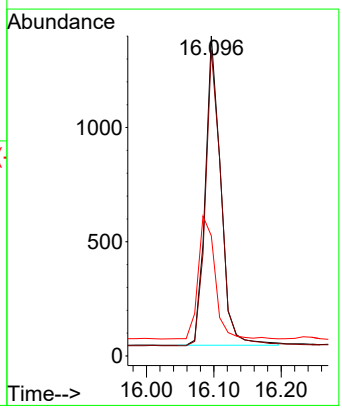


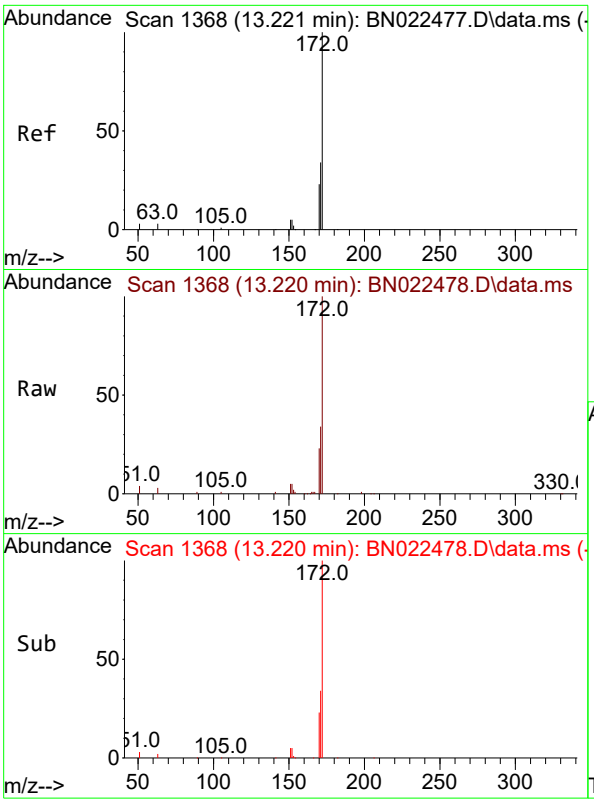


#14
2,4,6-Tribromophenol
Concen: 0.922 ng
RT: 16.096 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:330 Resp: 2163

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.8
141	43.5	35.0	52.6



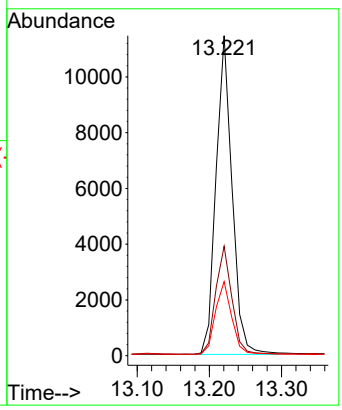


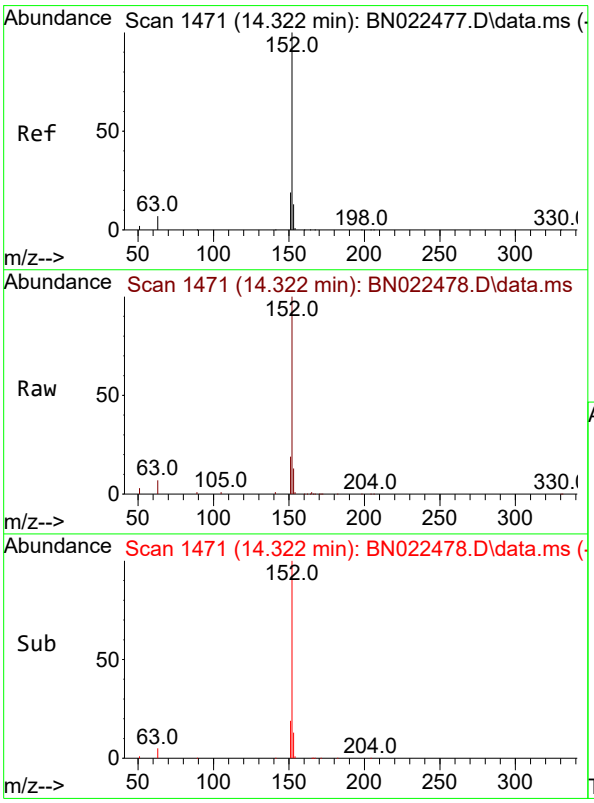
#15
2-Fluorobiphenyl
Concen: 0.756 ng
RT: 13.220 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 17647

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.9	41.9
170	23.2	19.2	28.8

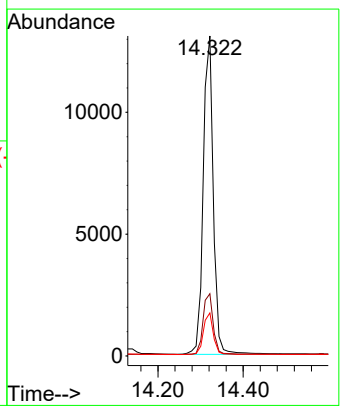


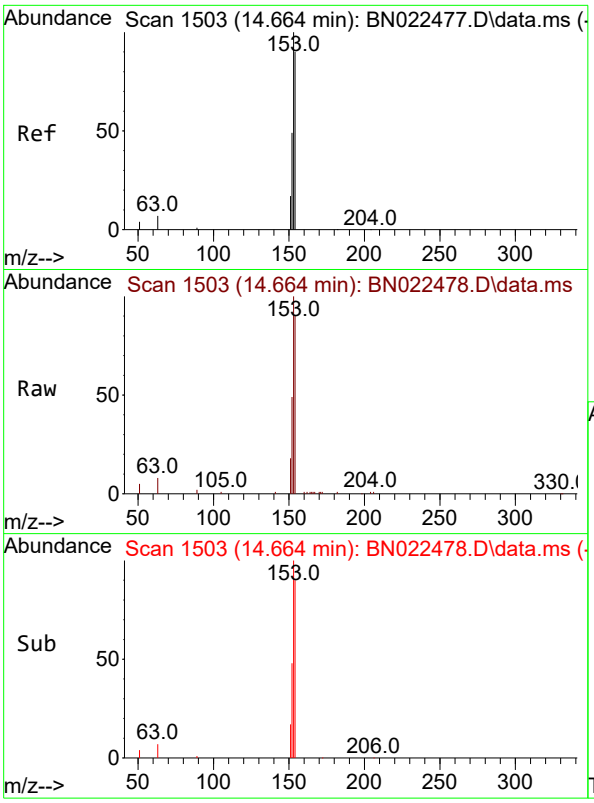


#16
Acenaphthylene
Concen: 0.812 ng
RT: 14.322 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:152 Resp: 21456

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	12.9	10.3	15.5



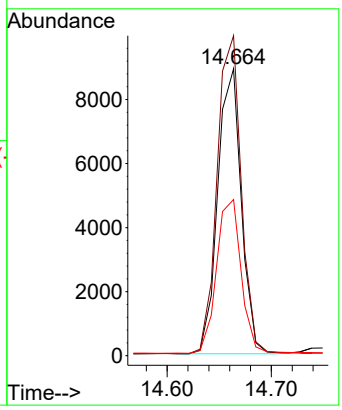


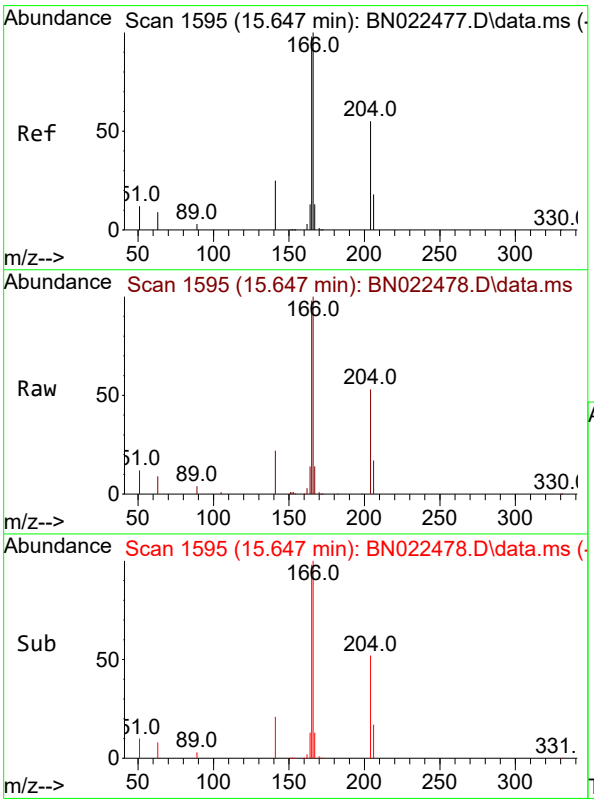
#17
Acenaphthene
Concen: 0.778 ng
RT: 14.664 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 14013

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.8	137.8
152	56.5	45.7	68.5

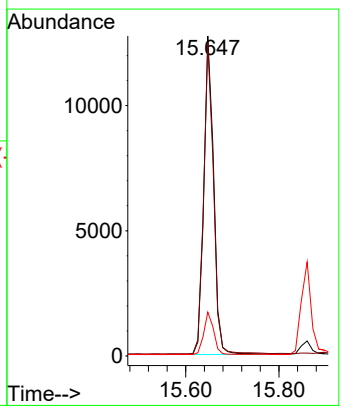


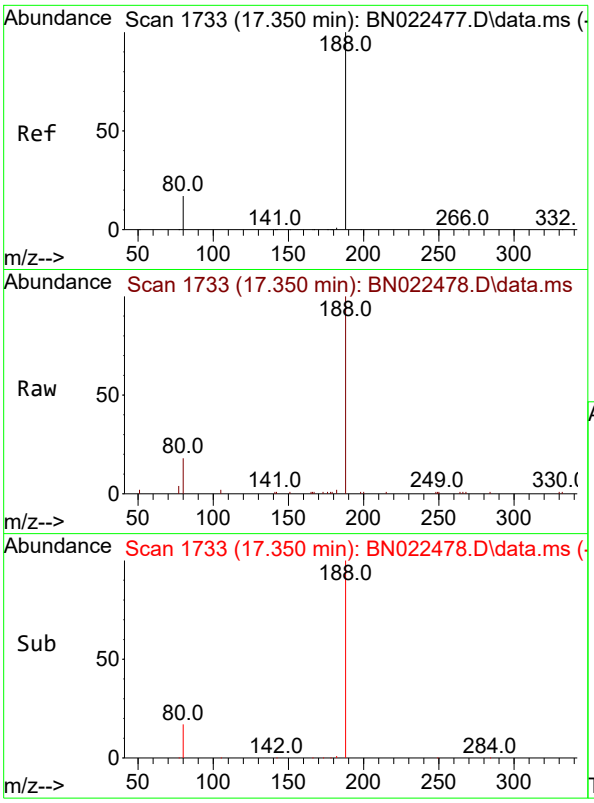


#18
Fluorene
Concen: 0.790 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:166 Resp: 19837

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.7	118.1
167	13.5	10.2	15.2



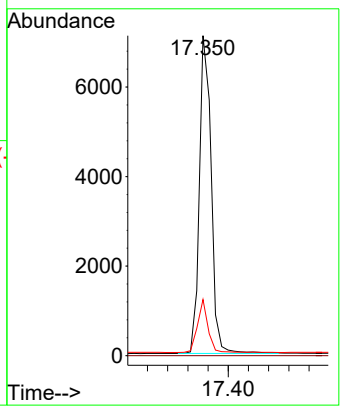


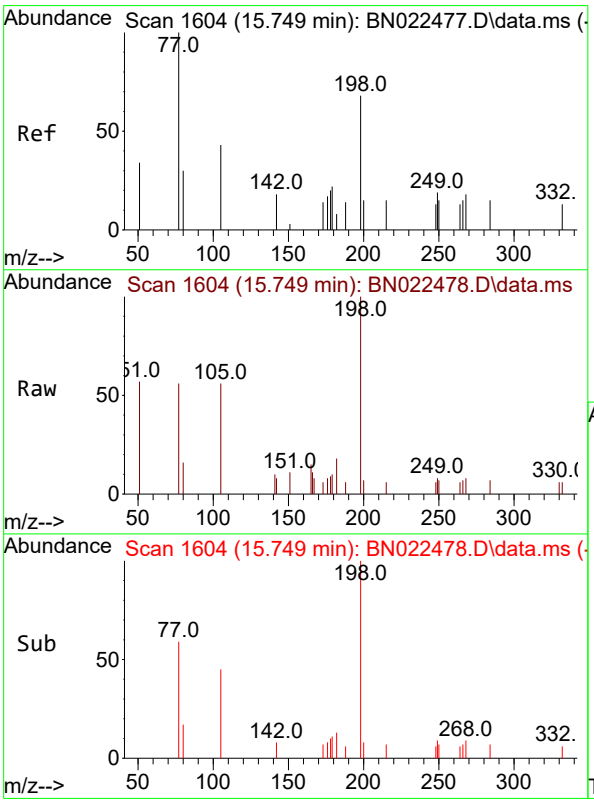
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 11556

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	17.6	14.6	21.8

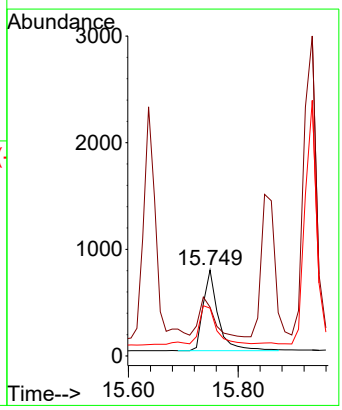


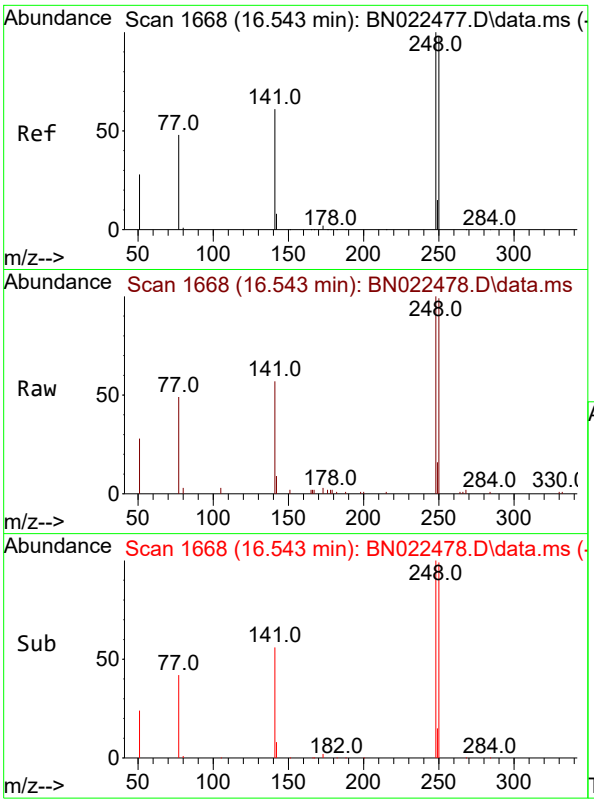


#20
4,6-Dinitro-2-methylphenol
Concen: 0.767 ng
RT: 15.749 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:198 Resp: 1417

Ion	Ratio	Lower	Upper
198	100		
51	56.8	83.8	125.8#
105	55.7	71.4	107.2#



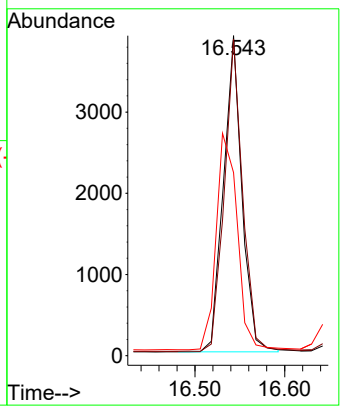


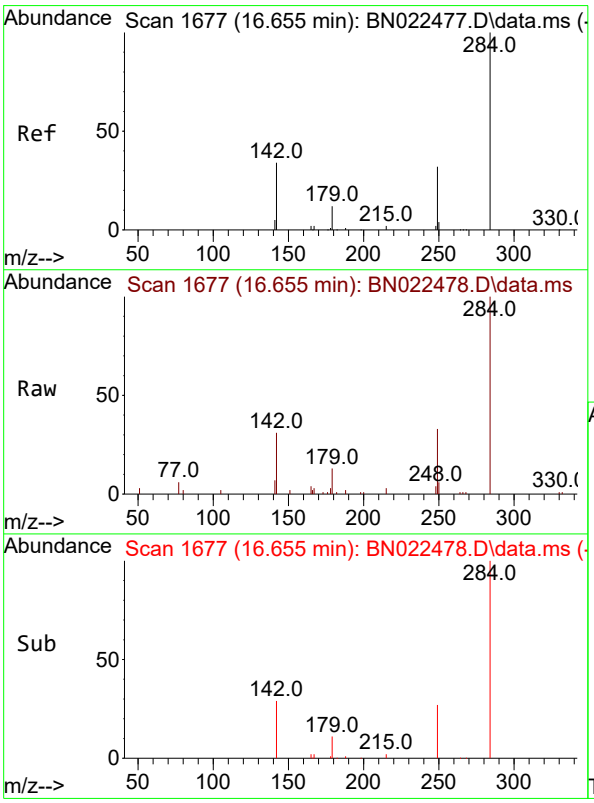
#21
4-Bromophenyl-phenylether
Concen: 0.799 ng
RT: 16.543 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 5573

Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.6	117.8
141	57.2	50.8	76.2

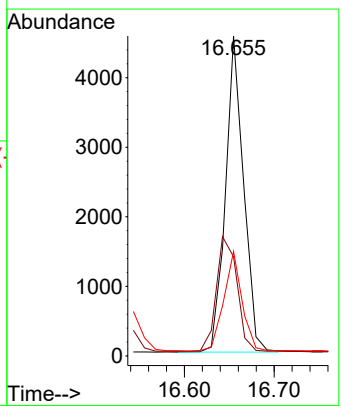


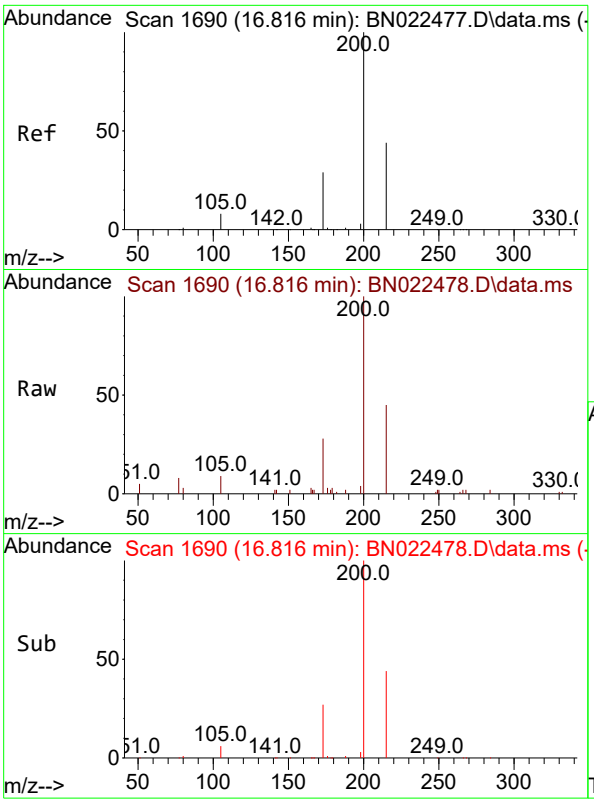


#22
Hexachlorobenzene
Concen: 0.800 ng
RT: 16.655 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:284 Resp: 6389

Ion	Ratio	Lower	Upper
284	100		
142	41.0	32.4	48.6
249	31.4	24.8	37.2



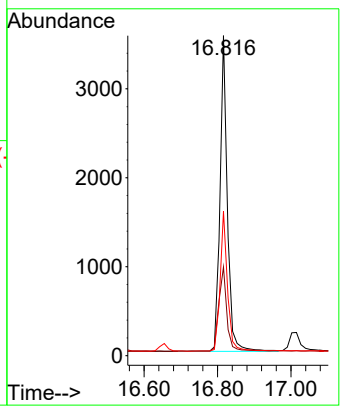


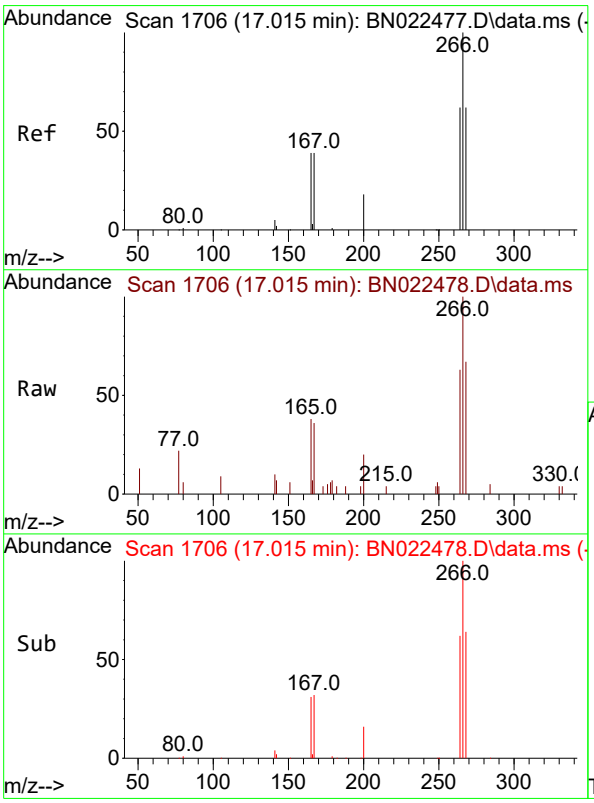
#23
Atrazine
Concen: 0.849 ng
RT: 16.816 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 4947

Ion	Ratio	Lower	Upper
200	100		
173	27.7	25.2	37.8
215	45.1	36.6	55.0

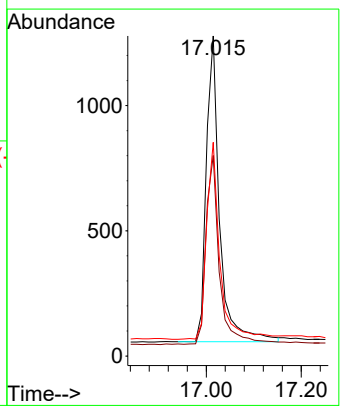


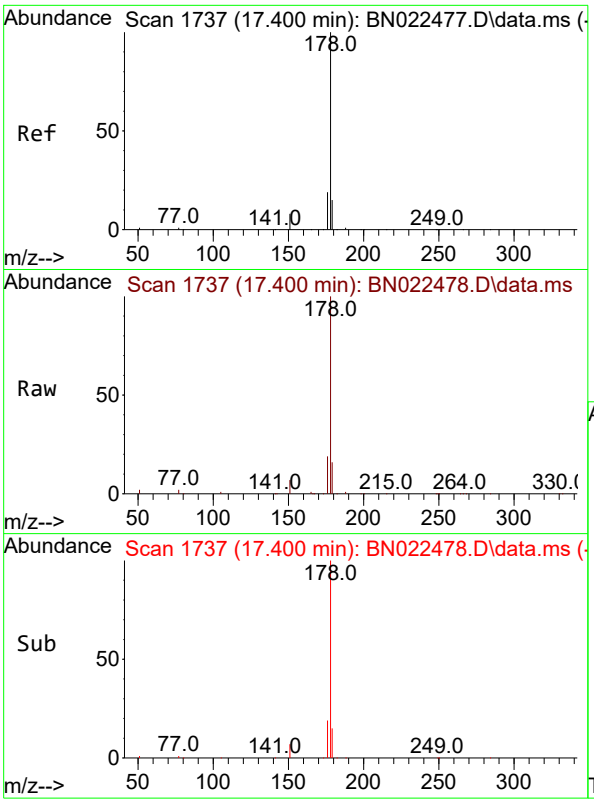


#24
Pentachlorophenol
Concen: 0.722 ng
RT: 17.015 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:266 Resp: 2385

Ion	Ratio	Lower	Upper
266	100		
264	62.4	50.6	75.8
268	64.5	54.1	81.1



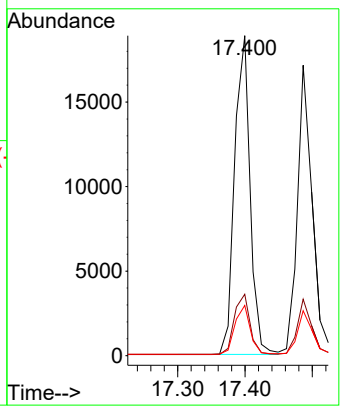


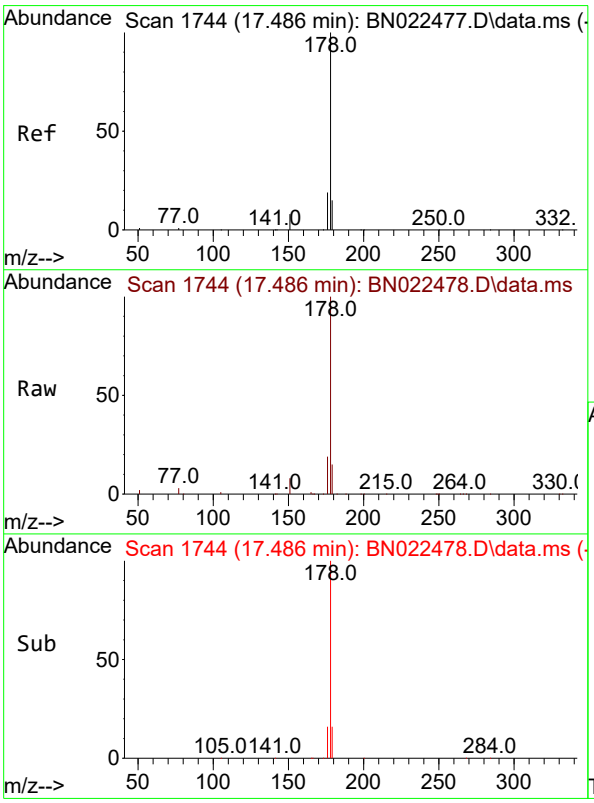
#25
Phenanthrene
Concen: 0.761 ng
RT: 17.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 30167

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.2	18.4

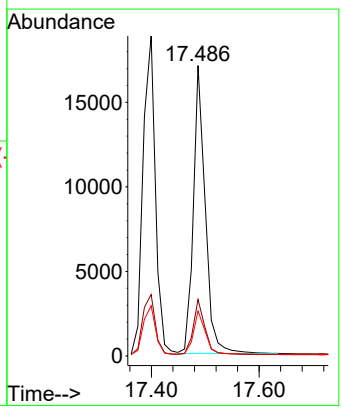


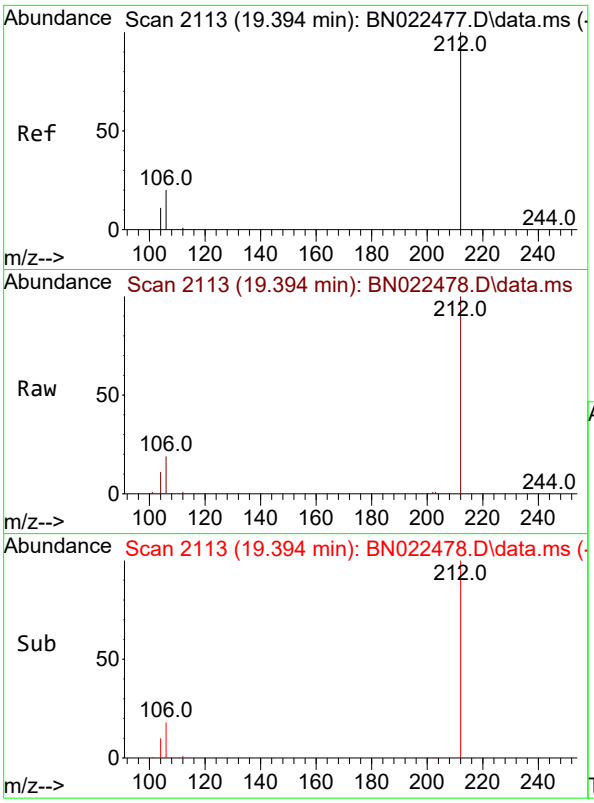


#26
Anthracene
Concen: 0.787 ng
RT: 17.486 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:178 Resp: 26265

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.1	12.2	18.2



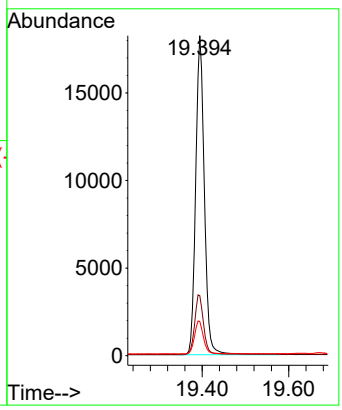


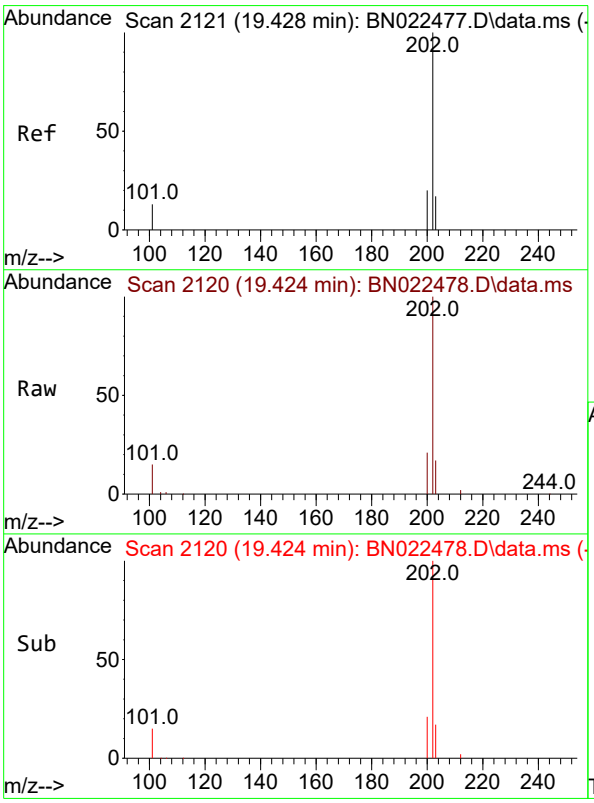
#27
Fluoranthene-d10
Concen: 0.793 ng
RT: 19.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 25315

Ion	Ratio	Lower	Upper
212	100		
106	19.0	15.2	22.8
104	10.5	8.6	12.8

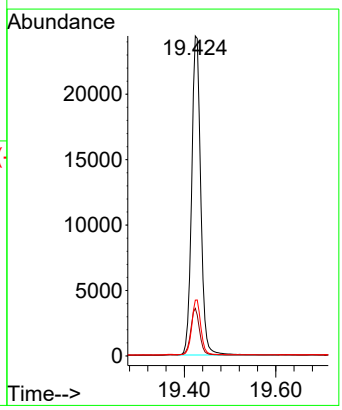


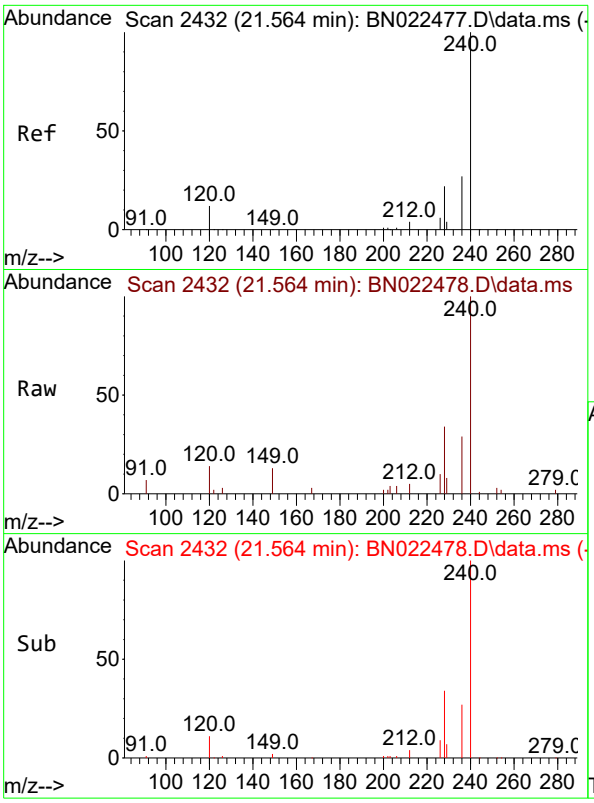


#28
Fluoranthene
Concen: 0.782 ng
RT: 19.424 min Scan# 2120
Delta R.T. -0.004 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:202 Resp: 33574

Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.2	16.8
203	17.2	13.6	20.4



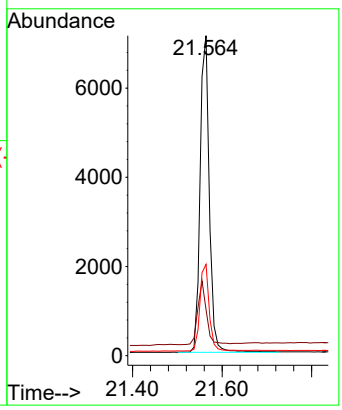


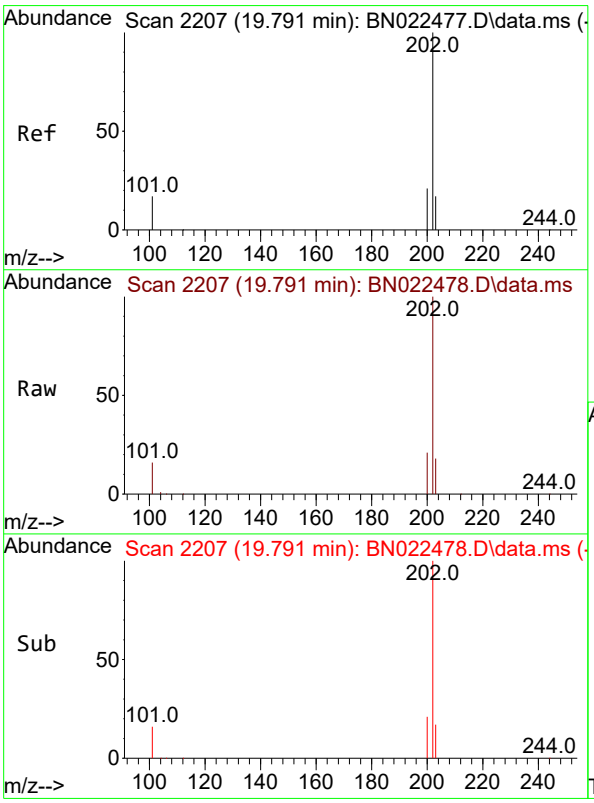
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.564 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 10178

Ion	Ratio	Lower	Upper
240	100		
120	14.4	12.4	18.6
236	28.5	22.7	34.1

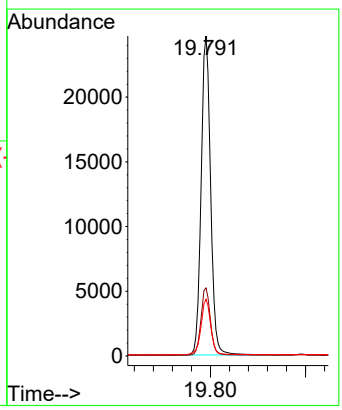


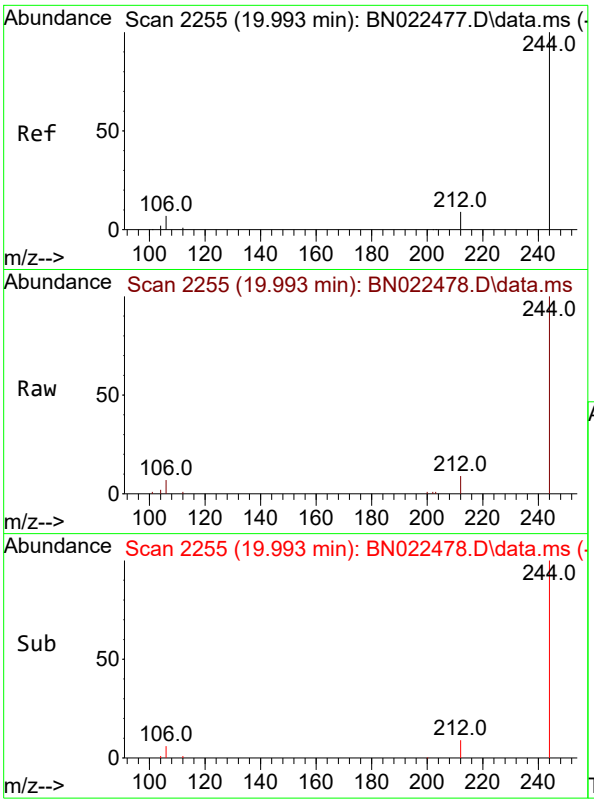


#30
Pyrene
Concen: 0.730 ng
RT: 19.791 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:202 Resp: 34202

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.8	14.3	21.5



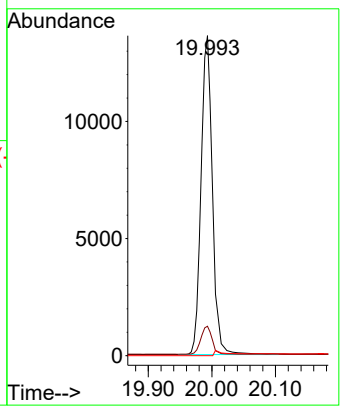


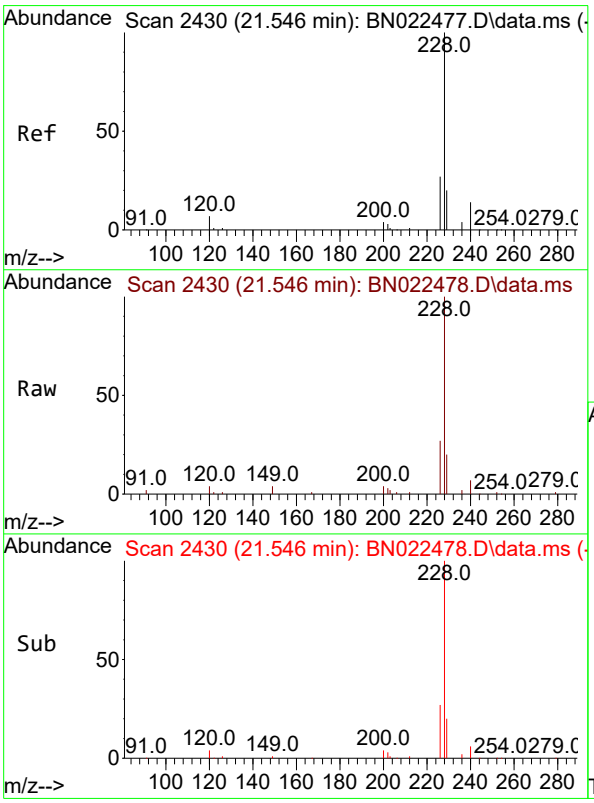
#31
Terphenyl-d14
Concen: 0.910 ng
RT: 19.993 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 24138

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.8	11.8
122	0.0	0.0	0.0

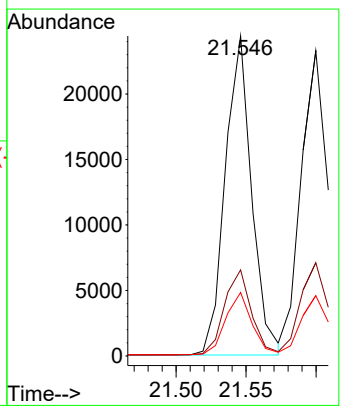


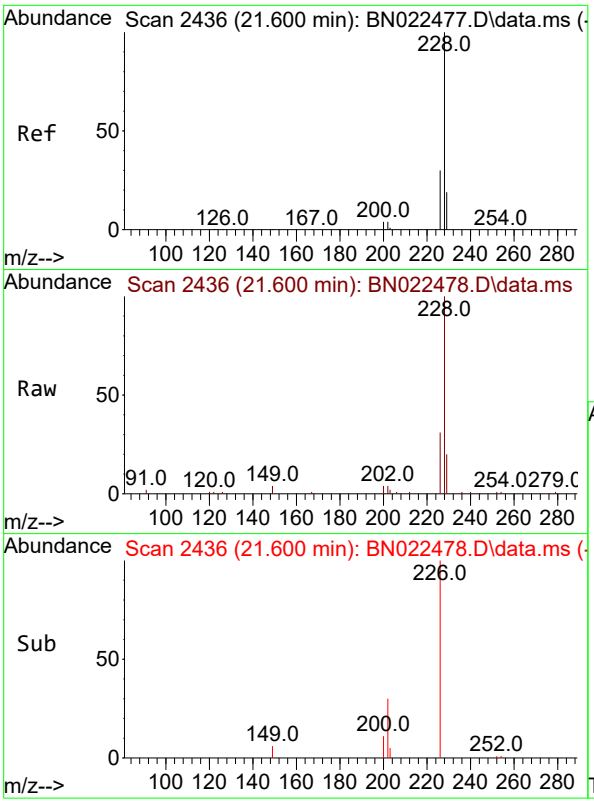


#32
Benzo(a)anthracene
Concen: 0.799 ng
RT: 21.546 min Scan# 2430
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:228 Resp: 32007

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.9	16.4	24.6



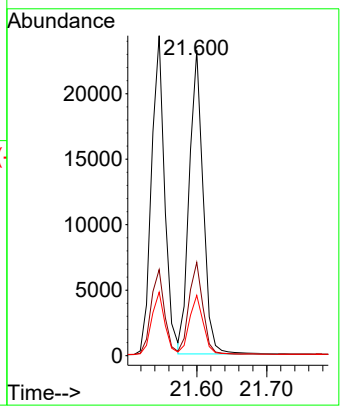


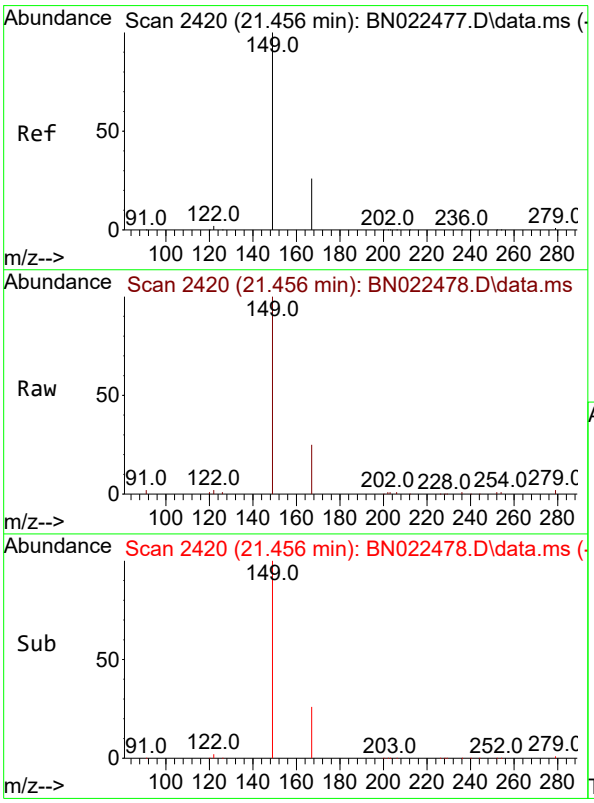
#33
Chrysene
Concen: 0.759 ng
RT: 21.600 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 31807

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	19.8	15.9	23.9

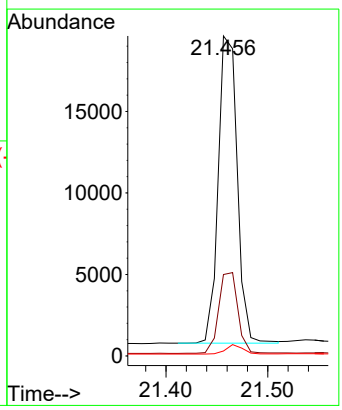


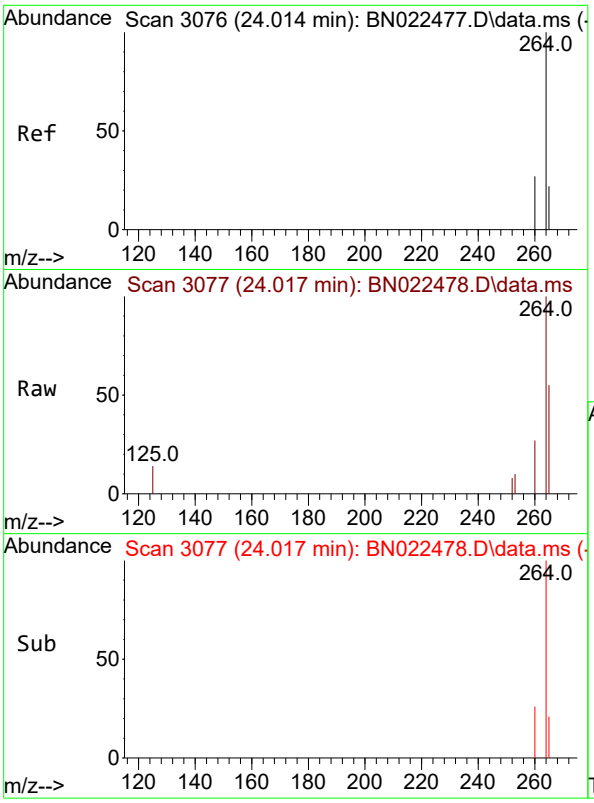


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.798 ng
RT: 21.456 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:149 Resp: 24503

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.3	31.9
279	2.7	2.7	4.1



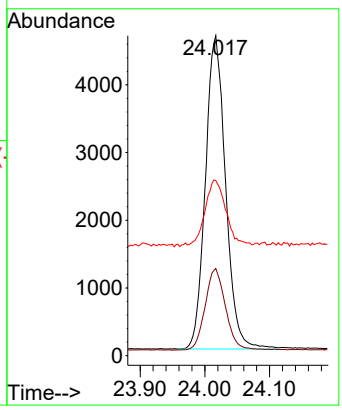


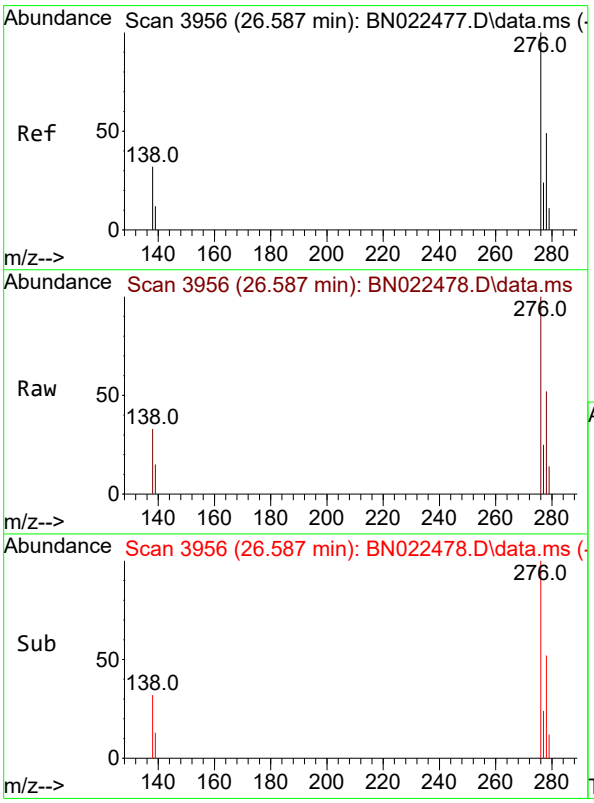
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.017 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 10030

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.4	33.6
265	54.8	44.4	66.6

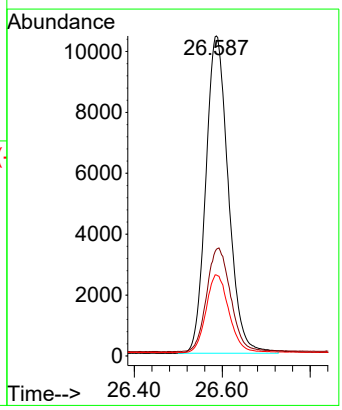


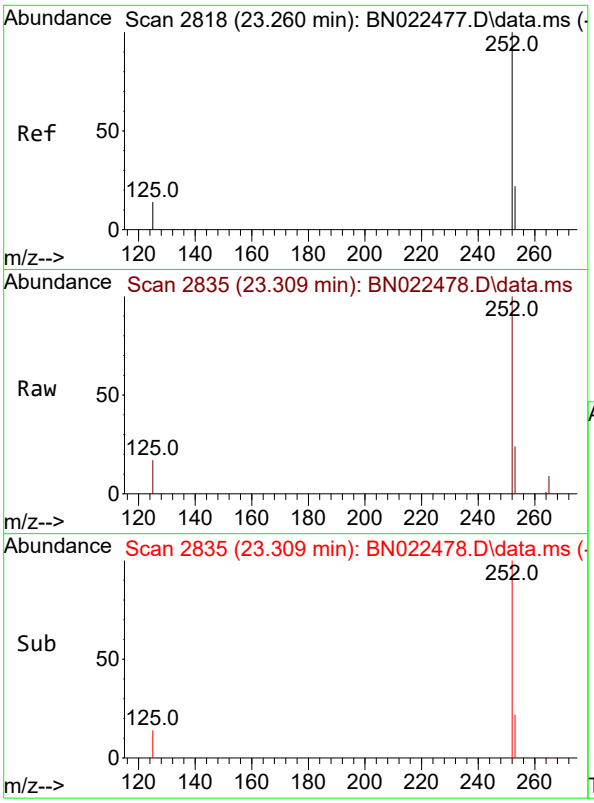


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.748 ng
RT: 26.587 min Scan# 3956
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:276 Resp: 37073

Ion	Ratio	Lower	Upper
276	100		
138	34.7	27.5	41.3
277	24.9	19.8	29.6



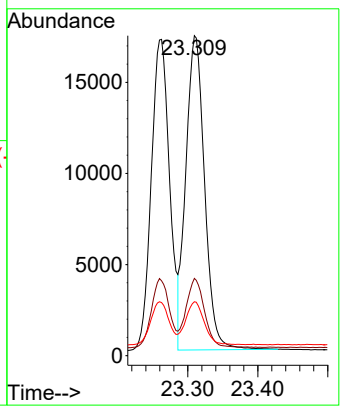


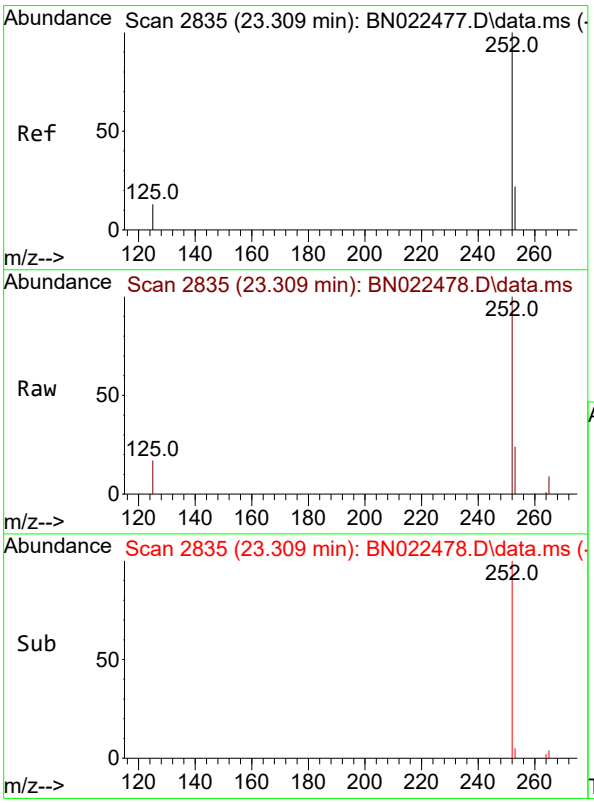
#37
Benzo(b)fluoranthene
Concen: 0.698 ng
RT: 23.309 min Scan# 2
Delta R.T. 0.050 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 32069

Ion	Ratio	Lower	Upper
252	100		
253	24.2	21.1	31.7
125	16.8	16.8	25.2

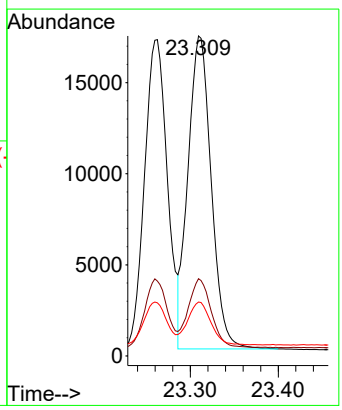


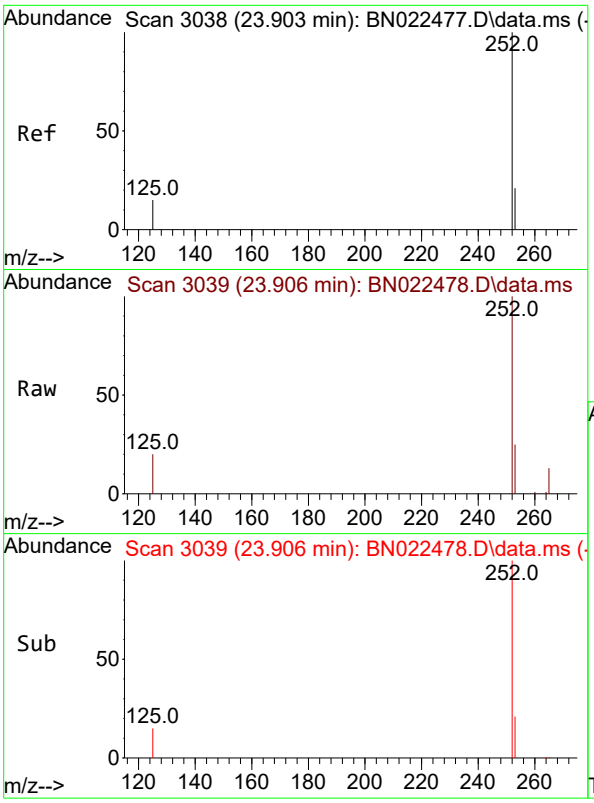


#38
Benzo(k)fluoranthene
Concen: 0.692 ng
RT: 23.309 min Scan# 2835
Delta R.T. -0.000 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:252 Resp: 31600

Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.9	31.3
125	16.8	16.1	24.1



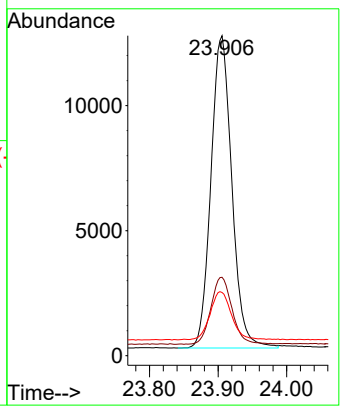


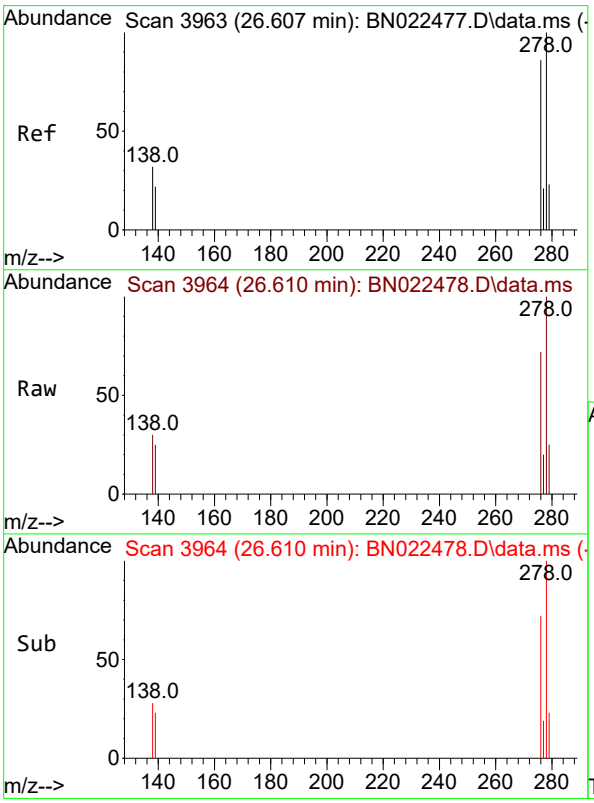
#39
Benzo(a)pyrene
Concen: 0.708 ng
RT: 23.906 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 26439

Ion	Ratio	Lower	Upper
252	100		
253	24.5	22.0	33.0
125	19.7	19.8	29.8#

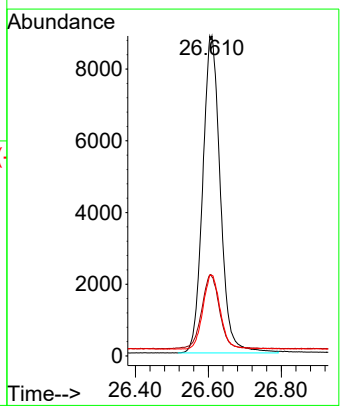


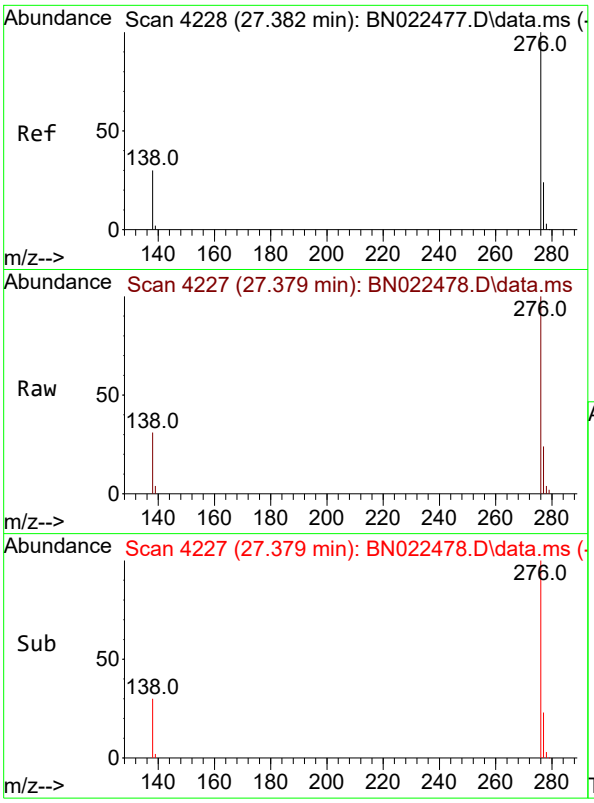


#40
Dibenzo(a,h)anthracene
Concen: 0.767 ng
RT: 26.610 min Scan# 3964
Delta R.T. 0.003 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Tgt Ion:278 Resp: 29673

Ion	Ratio	Lower	Upper
278	100		
139	24.7	21.8	32.6
279	25.2	21.5	32.3





#41
Benzo(g,h,i)perylene
Concen: 0.769 ng
RT: 27.379 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN022478.D
Acq: 03 Nov 2022 14:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 31398

Ion	Ratio	Lower	Upper
276	100		
277	24.1	21.0	31.4
138	31.0	26.0	39.0