Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022487.D
Acq On : 03 Nov 2022 21:08
Operator : CG/JU
Sample : N5395-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Quant Time: Nov 04 04:08:25 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 03:28:17 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	2812	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	9523	0.400	ng	#-0.01
13) Acenaphthene-d10	14.589	164	4947	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	10895	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	9161	0.400	ng	# 0.00
35) Perylene-d12	24.008	264	8690	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.458	112	2127	0.268	ng	0.00
5) Phenol-d6	7.083	99	3424	0.342	ng	0.00
8) Nitrobenzene-d5	9.097	82	2006	0.233	ng	-0.01
11) 2-Methylnaphthalene-d10	12.346	152	3738	0.234	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	638	0.246	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	5403	0.262	ng	0.00
27) Fluoranthene-d10	19.390	212	6090	0.205	ng	0.00
31) Terphenyl-d14	19.989	244	5521	0.193	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.262	88	1225	0.290	ng	# 83
3) n-Nitrosodimethylamine	3.602	42	1443	0.329	ng	# 93
6) bis(2-Chloroethyl)ether	7.343	93	3594	0.401	ng	99
9) Naphthalene	10.795	128	16792	0.582	ng	98
10) Hexachlorobutadiene	11.072	225	1635	0.329	ng	# 99
12) 2-Methylnaphthalene	12.058	142	2367	0.345	ng	# 96
16) Acenaphthylene	14.311	152	53464	2.129	ng	99
17) Acenaphthene	14.653	154	11969	0.740	ng	99
18) Fluorene	15.647	166	78942	3.481	ng	99
20) 4,6-Dinitro-2-methylph...	15.749	198	452	0.395	ng	# 79
21) 4-Bromophenyl-phenylether	16.543	248	2530	0.376	ng	# 91
22) Hexachlorobenzene	16.655	284	2743	0.357	ng	99
23) Atrazine	16.816	200	2080	0.343	ng	97
24) Pentachlorophenol	17.015	266	538	0.306	ng	99
25) Phenanthrene	17.387	178	669718	18.391	ng	100
26) Anthracene	17.486	178	240029	7.492	ng	100
28) Fluoranthene	19.424	202	614294	15.653	ng	99
30) Pyrene	19.786	202	433060	10.949	ng	99
32) Benzo(a)anthracene	21.537	228	218844	5.941	ng	97
33) Chrysene	21.591	228	176997	4.851	ng	98
34) Bis(2-ethylhexyl)phtha...	21.457	149	11463	0.369	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.572	276	89852	2.147	ng	95
37) Benzo(b)fluoranthene	23.257	252	203648	5.960	ng	# 90
39) Benzo(a)pyrene	23.789	252	79329	2.711	ng	93
40) Dibenzo(a,h)anthracene	26.590	278	28971	0.870	ng	99
41) Benzo(g,h,i)perylene	27.367	276	75290	2.129	ng	95

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

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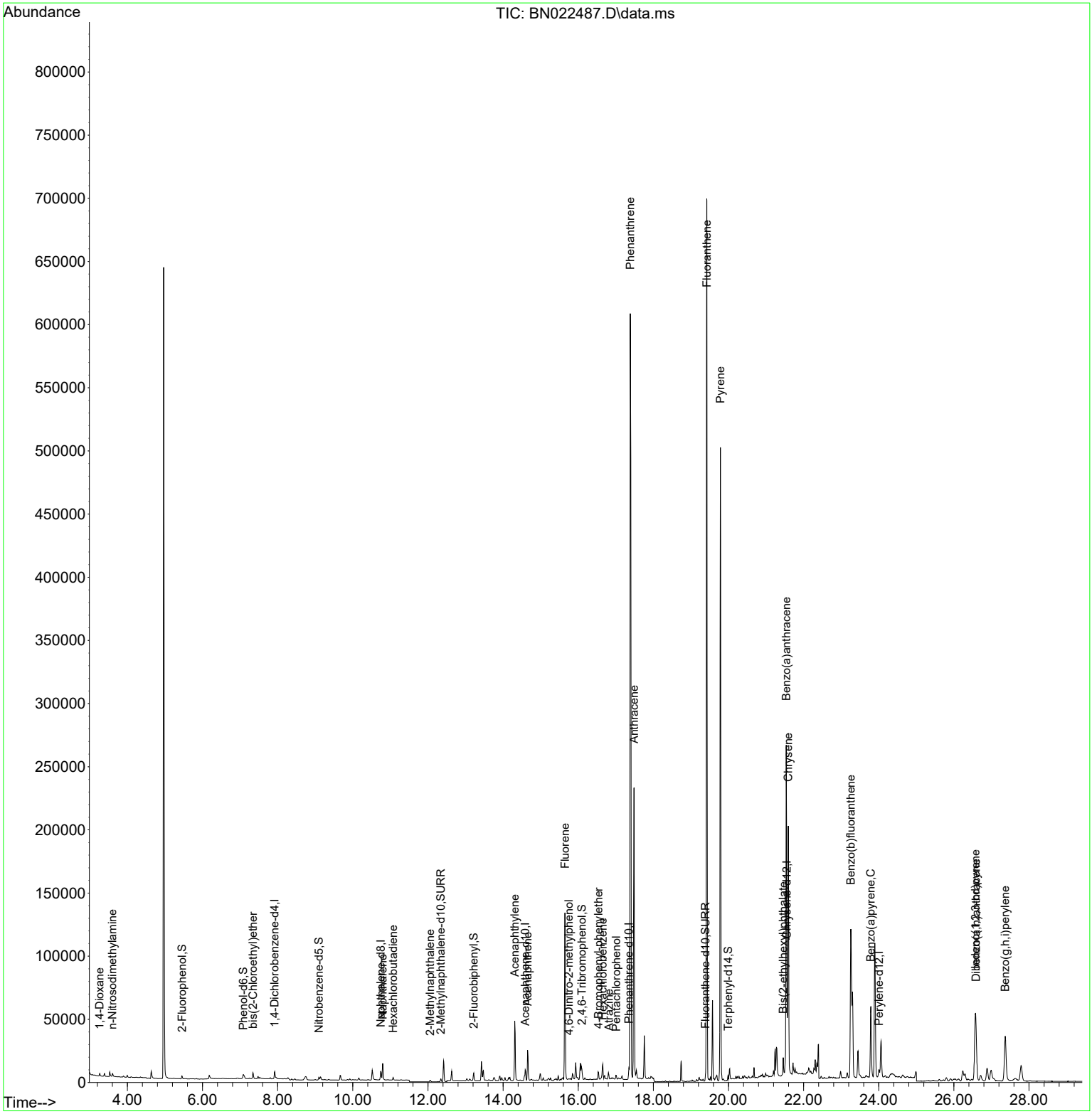
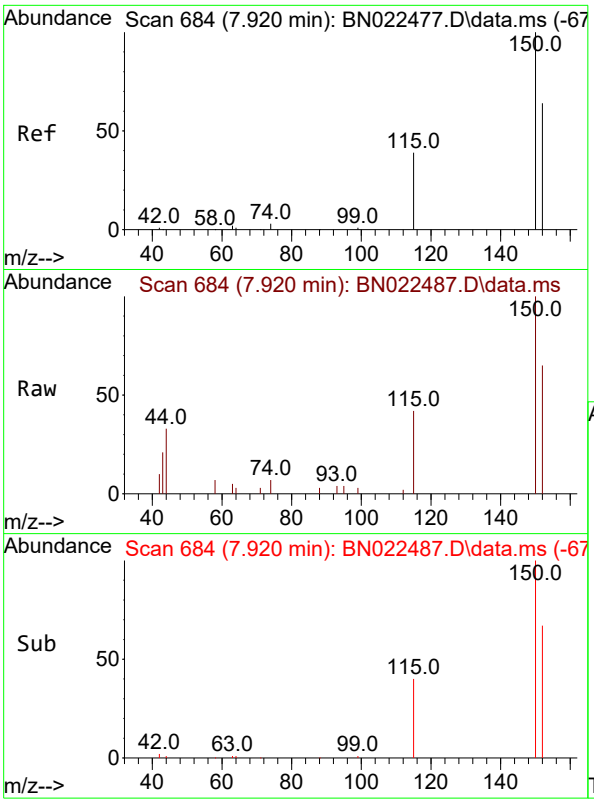
S-1-103122MSD

Quant Time: Nov 04 04:08:25 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 03:28:17 2022
Response via : Initial Calibration



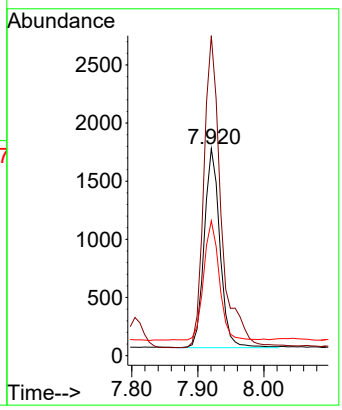


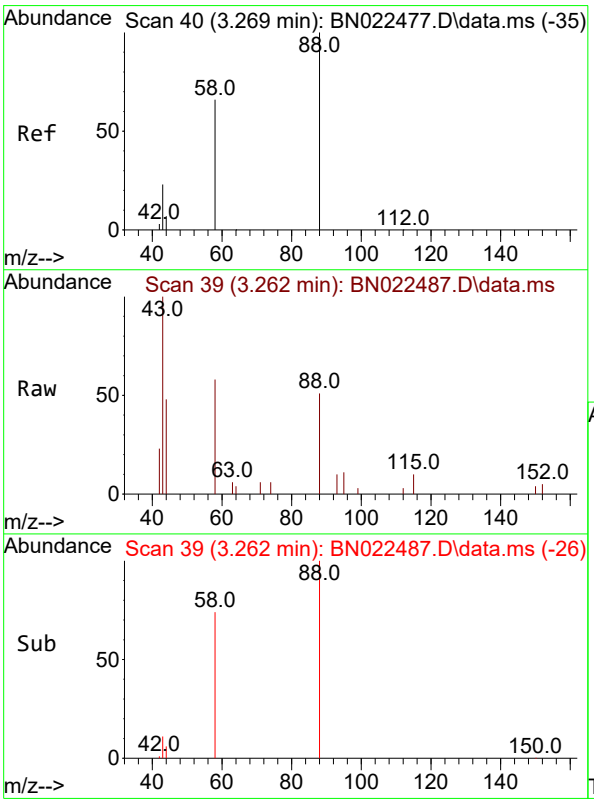
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.920 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:152 Resp: 2812

Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.4	185.2
115	65.1	54.9	82.3

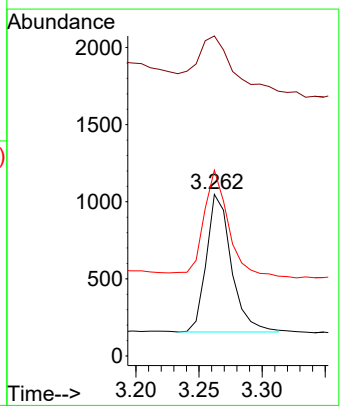


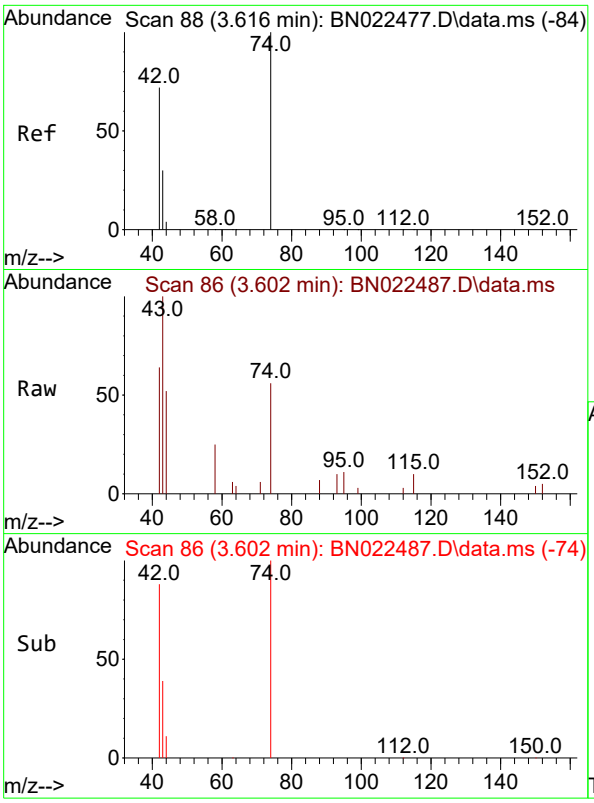


#2
1,4-Dioxane
Concen: 0.290 ng
RT: 3.262 min Scan# 39
Delta R.T. -0.007 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion: 88 Resp: 1225

Ion	Ratio	Lower	Upper
88	100		
43	56.1	21.4	32.0#
58	75.3	58.4	87.6



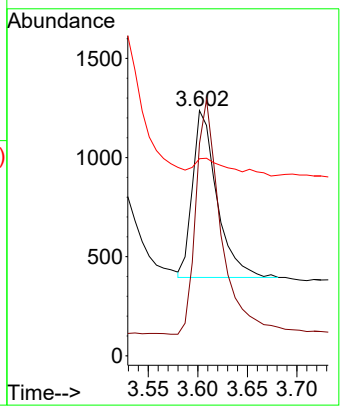


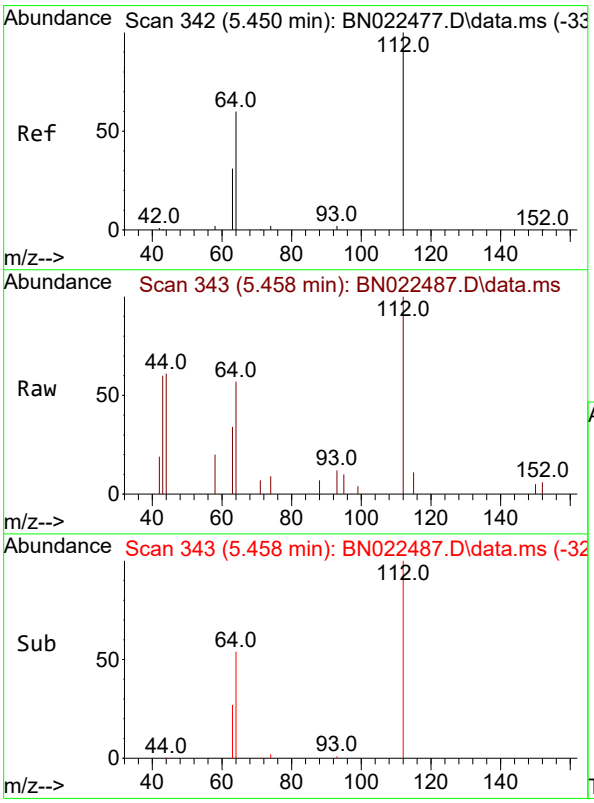
#3
n-Nitrosodimethylamine
Concen: 0.329 ng
RT: 3.602 min Scan# 8
Delta R.T. -0.014 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion: 42 Resp: 1443

Ion	Ratio	Lower	Upper
42	100		
74	145.7	110.6	165.8
44	15.3	8.6	13.0#

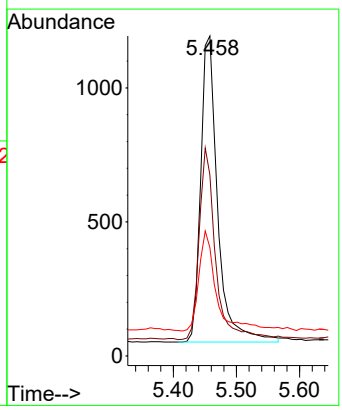


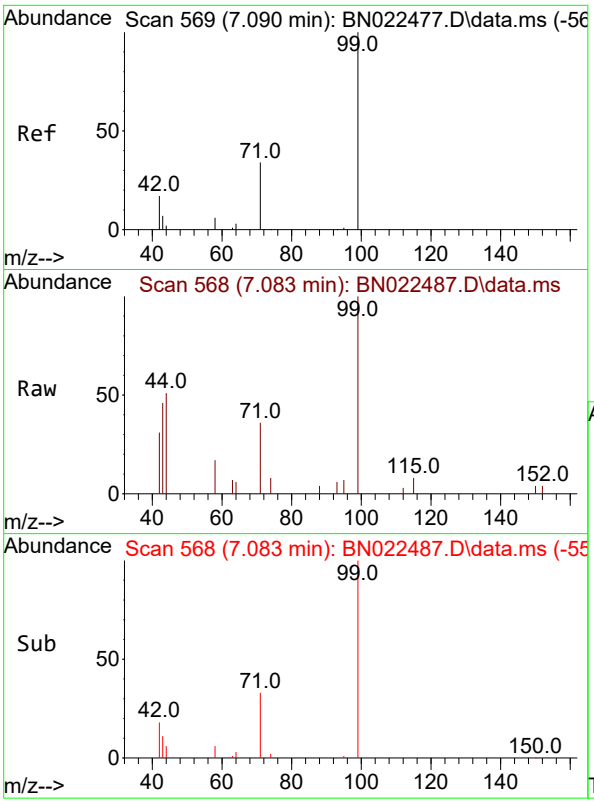


#4
2-Fluorophenol
Concen: 0.268 ng
RT: 5.458 min Scan# 343
Delta R.T. 0.007 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:112 Resp: 2127

Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.1	70.7
63	34.2	24.6	36.8



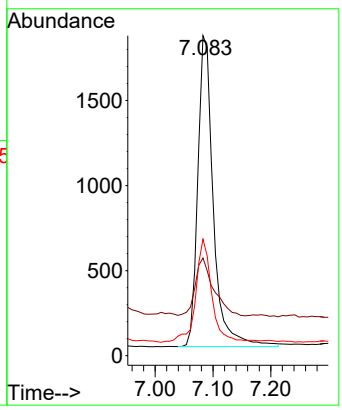


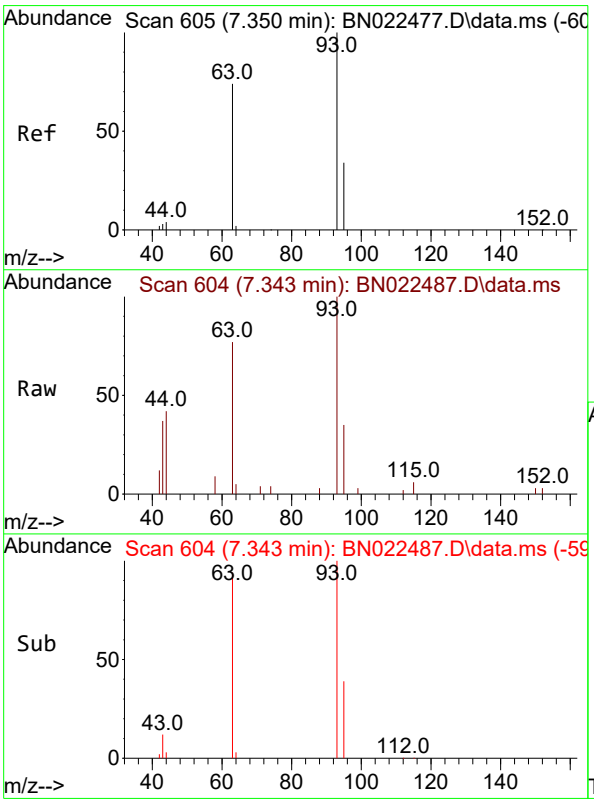
#5
Phenol-d6
Concen: 0.342 ng
RT: 7.083 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion: 99 Resp: 3424

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.7	22.1
71	34.6	27.0	40.6

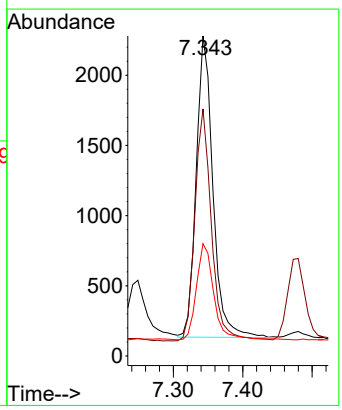


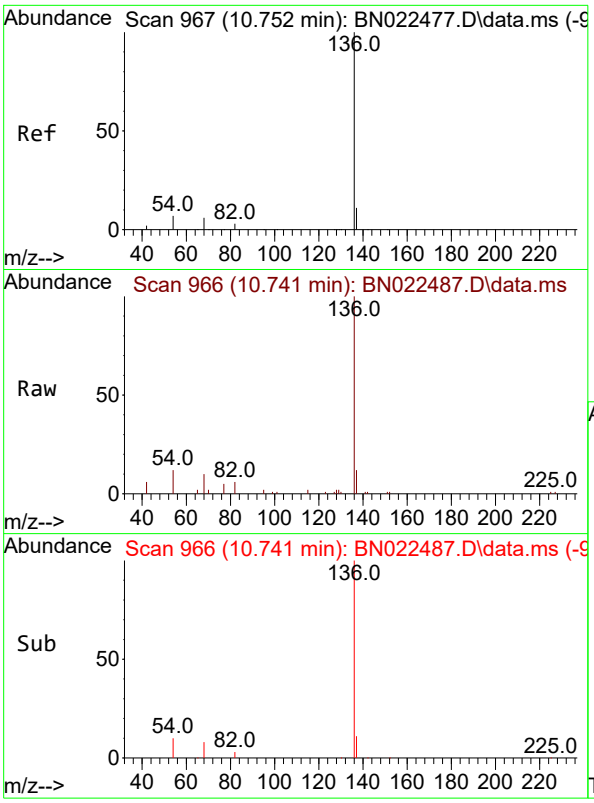


#6
bis(2-Chloroethyl)ether
Concen: 0.401 ng
RT: 7.343 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion: 93 Resp: 3594

Ion	Ratio	Lower	Upper
93	100		
63	76.4	61.2	91.8
95	33.1	25.7	38.5



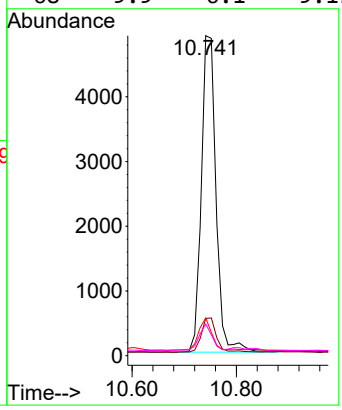


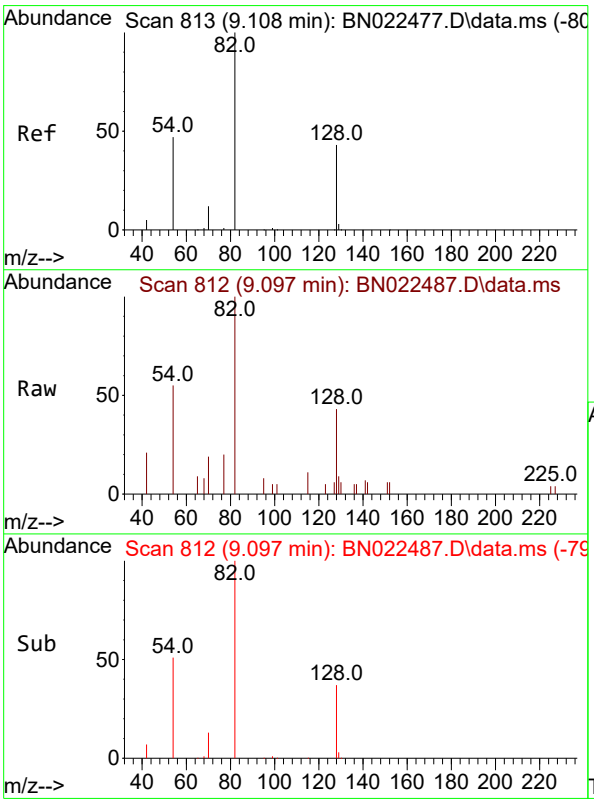
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:136 Resp: 9523

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	11.8	7.1	10.7#
68	9.9	6.1	9.1#

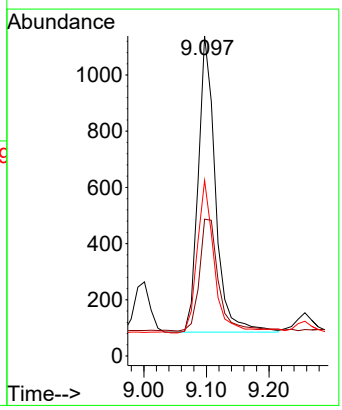


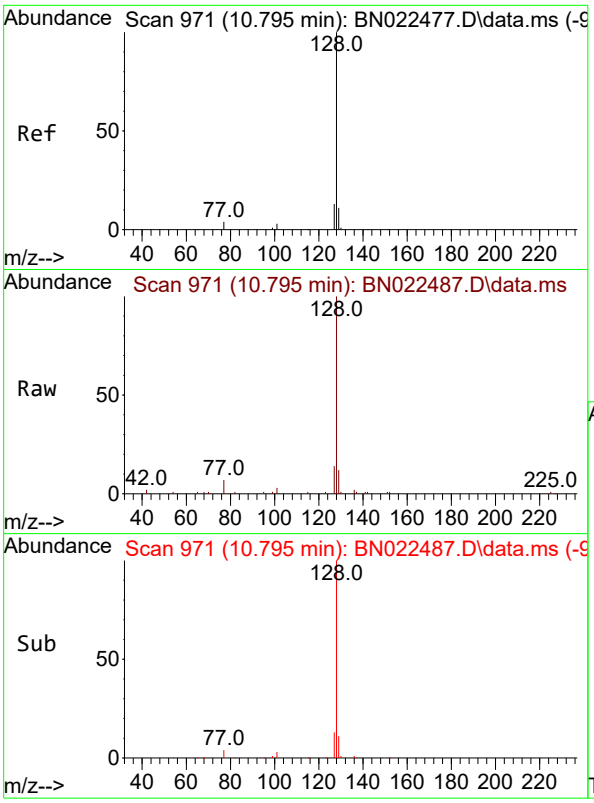


#8
Nitrobenzene-d5
Concen: 0.233 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion: 82 Resp: 2006

Ion	Ratio	Lower	Upper
82	100		
128	42.8	37.3	55.9
54	54.9	40.0	60.0



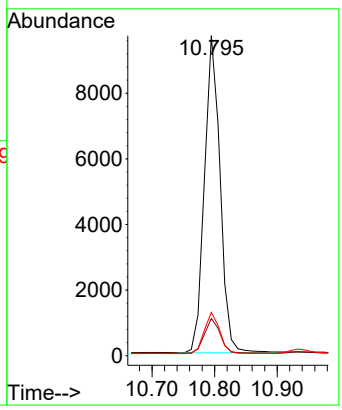


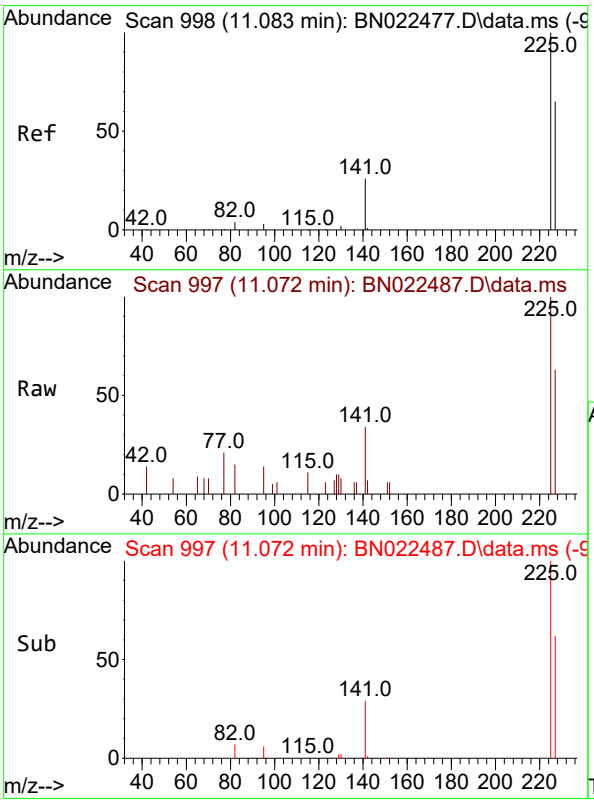
#9
Naphthalene
Concen: 0.582 ng
RT: 10.795 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:128 Resp: 16792

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.6
127	13.5	11.4	17.2

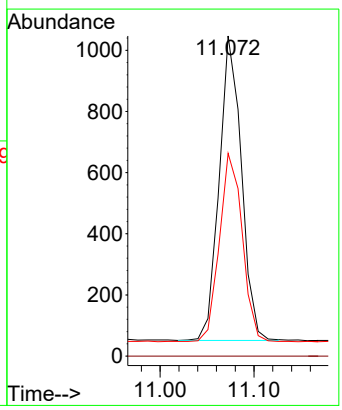


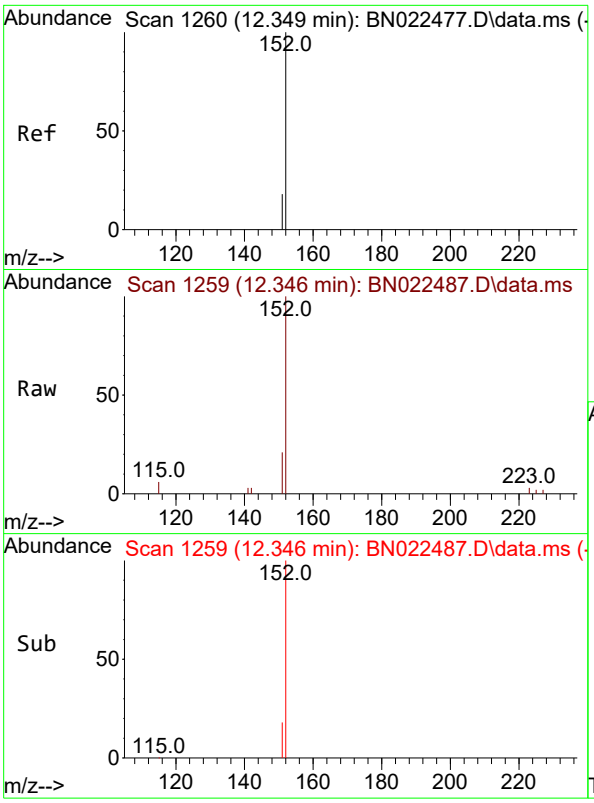


#10
Hexachlorobutadiene
Concen: 0.329 ng
RT: 11.072 min Scan# 997
Delta R.T. -0.011 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:225 Resp: 1635

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.0	76.4



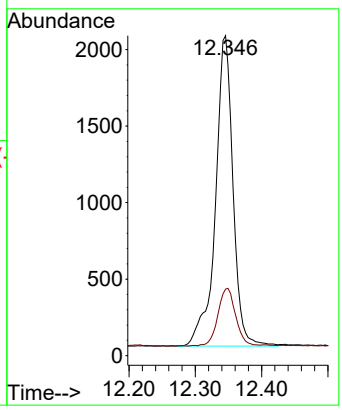


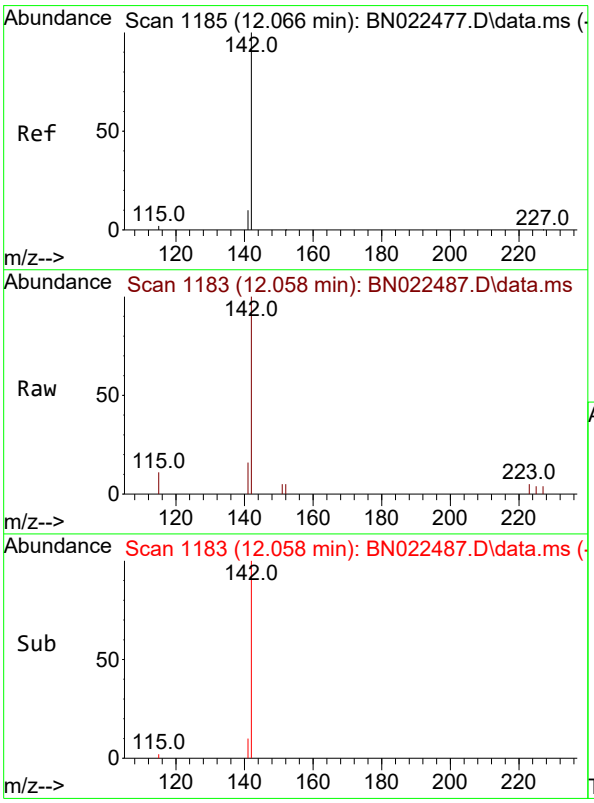
#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 12.346 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:152 Resp: 3738

Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.6	25.0

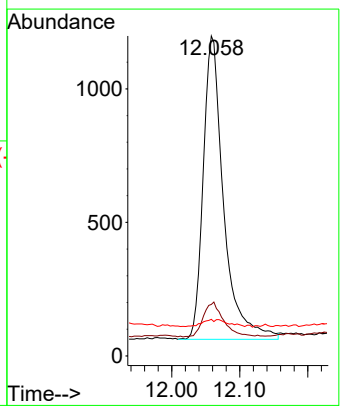


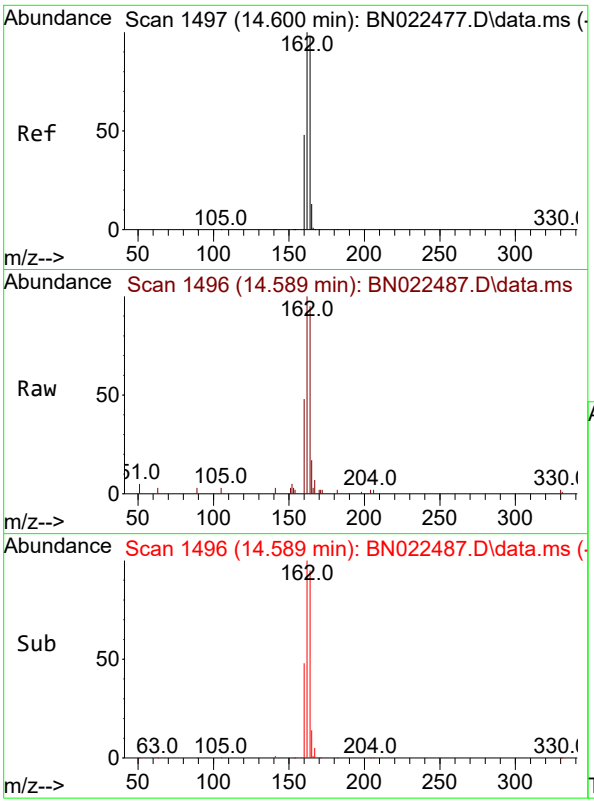


#12
2-Methylnaphthalene
Concen: 0.345 ng
RT: 12.058 min Scan# 1183
Delta R.T. -0.008 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:142 Resp: 2367

Ion	Ratio	Lower	Upper
142	100		
141	16.1	13.7	20.5
115	11.4	11.4	17.2#



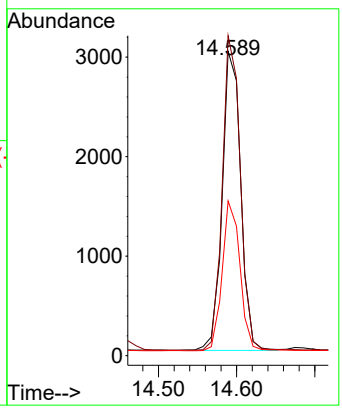


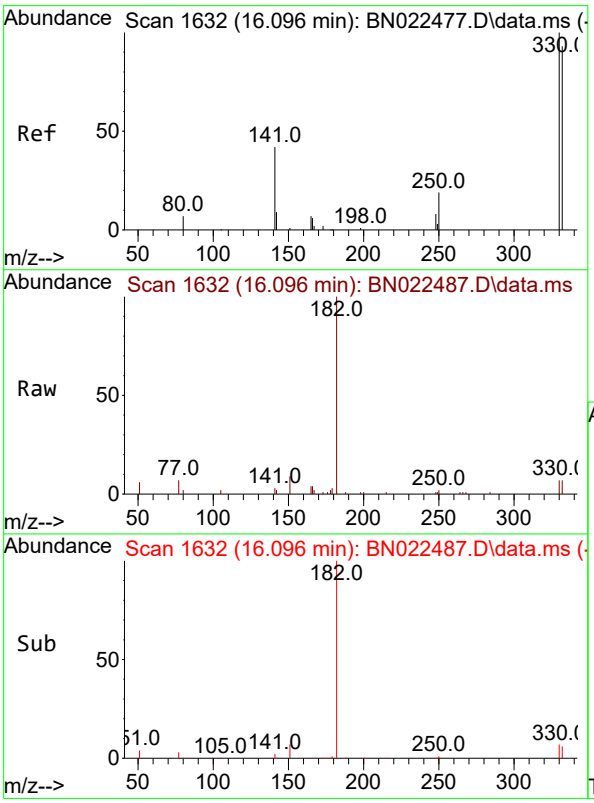
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:164 Resp: 4947

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.0	123.0
160	50.9	39.4	59.2

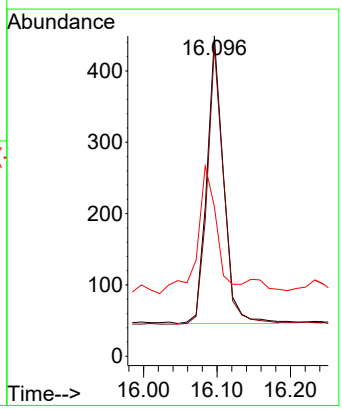


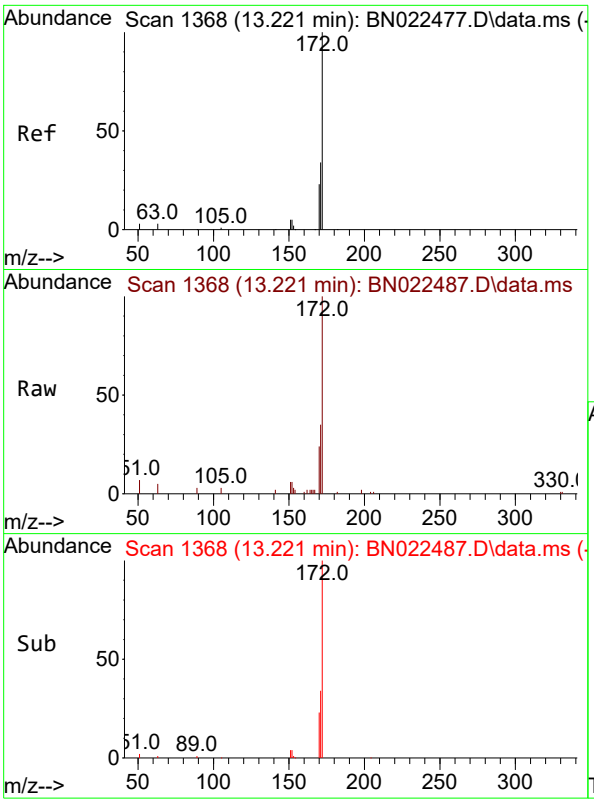


#14
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:330 Resp: 638

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.8	116.8
141	51.9	35.0	52.6



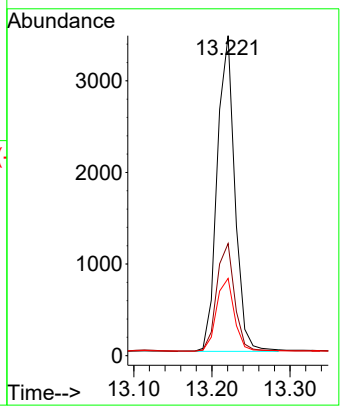


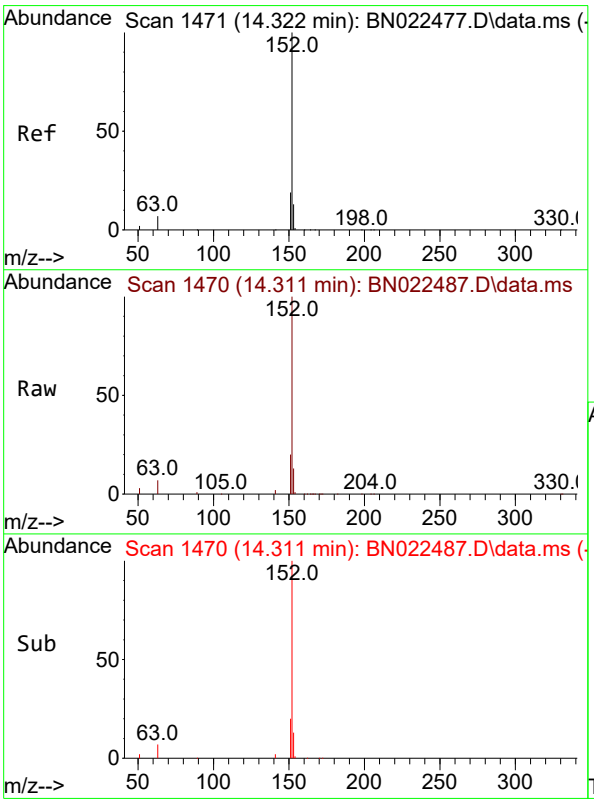
#15
2-Fluorobiphenyl
Concen: 0.262 ng
RT: 13.221 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:172 Resp: 5403

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	24.1	19.2	28.8

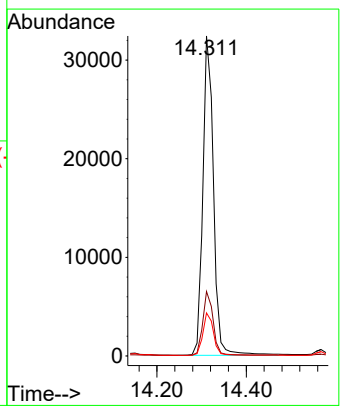


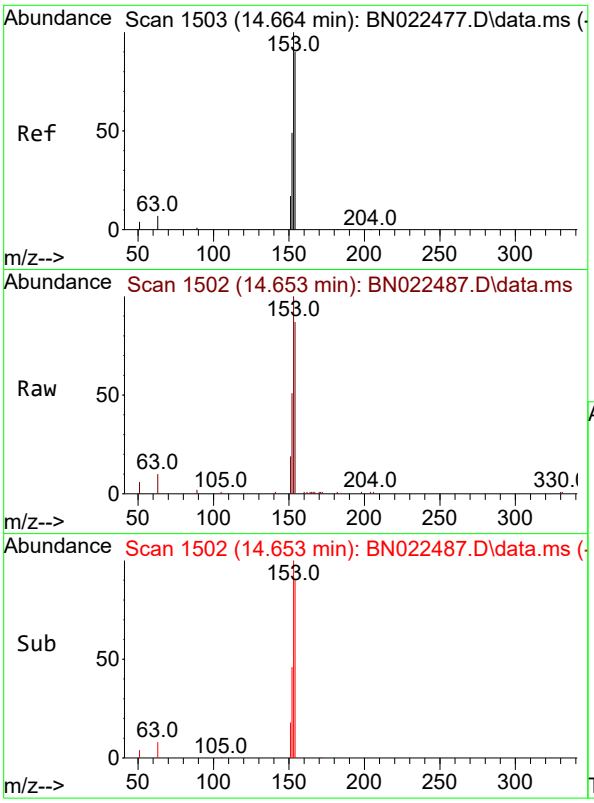


#16
Acenaphthylene
Concen: 2.129 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:152 Resp: 53464

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.3	10.3	15.5



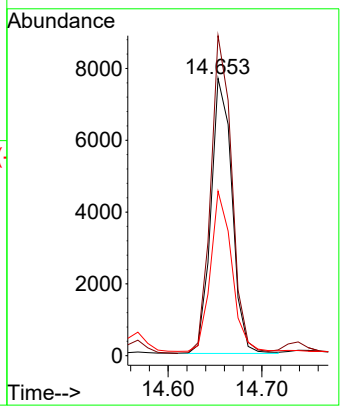


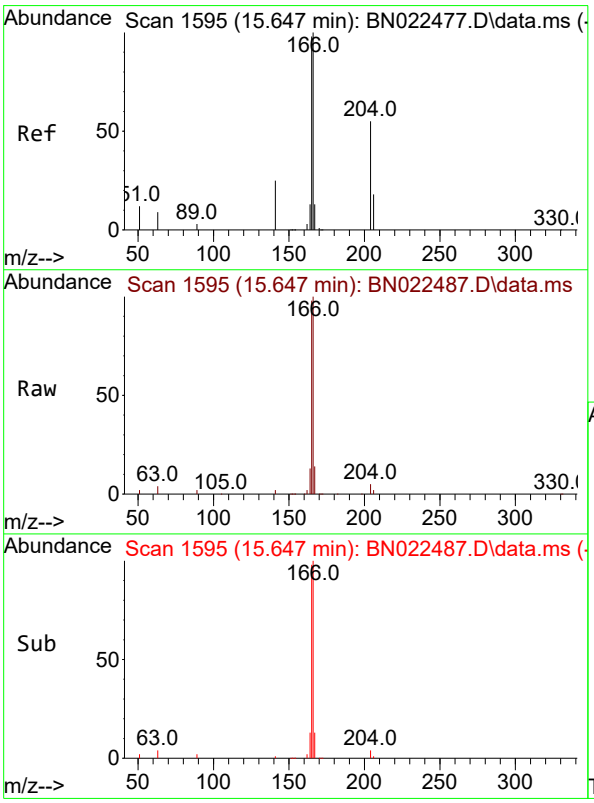
#17
Acenaphthene
Concen: 0.740 ng
RT: 14.653 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:154 Resp: 11969

Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.8	137.8
152	58.1	45.7	68.5

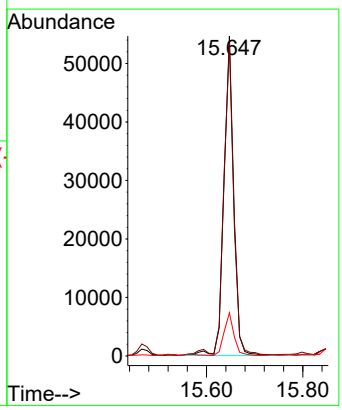


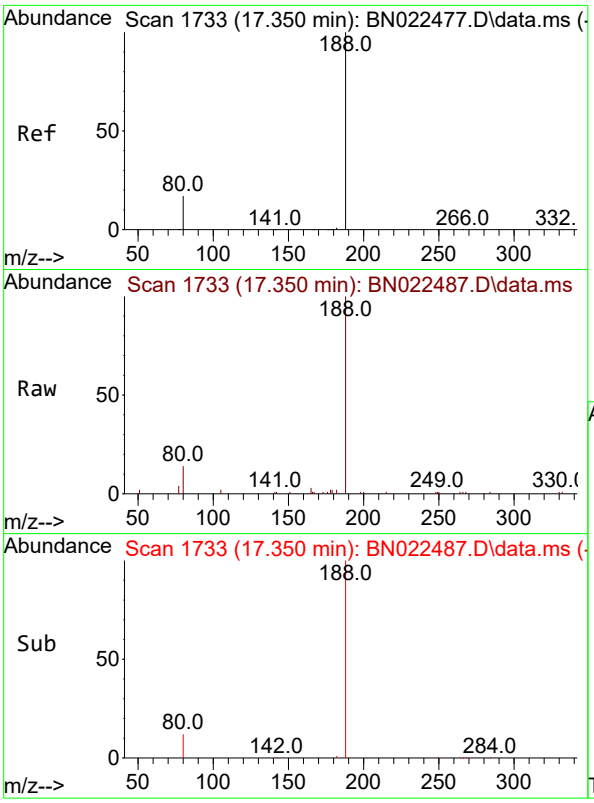


#18
Fluorene
Concen: 3.481 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:166 Resp: 78942

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.7	118.1
167	13.2	10.2	15.2



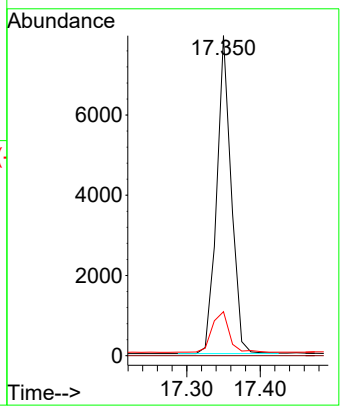


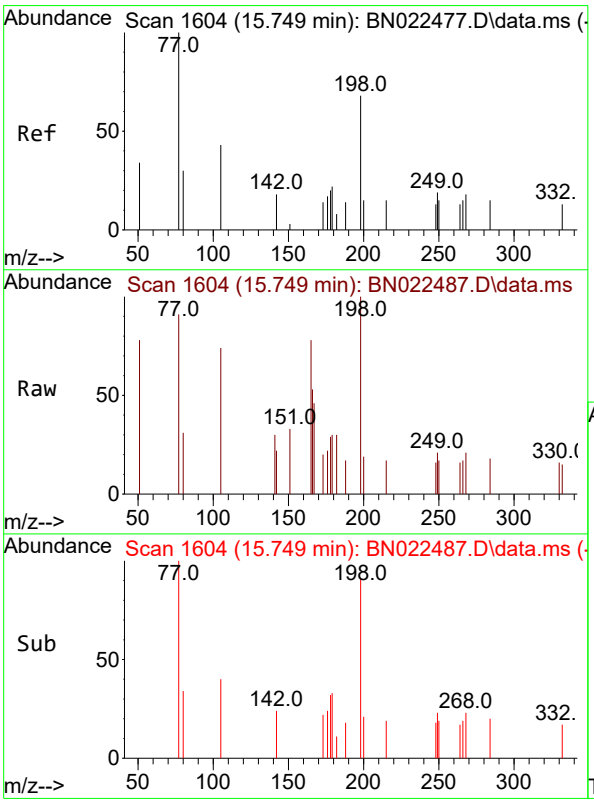
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:188 Resp: 10895

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	14.6	21.8#

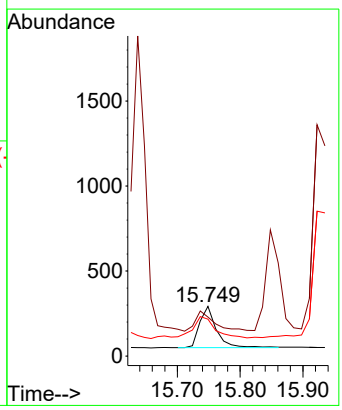


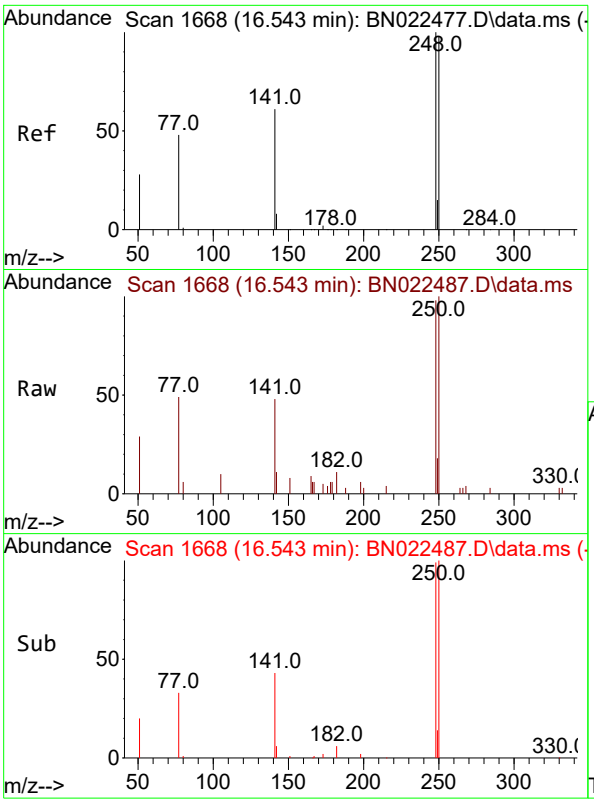


#20
4,6-Dinitro-2-methylphenol
Concen: 0.395 ng
RT: 15.749 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:198 Resp: 452

Ion	Ratio	Lower	Upper
198	100		
51	78.4	83.8	125.8#
105	74.3	71.4	107.2



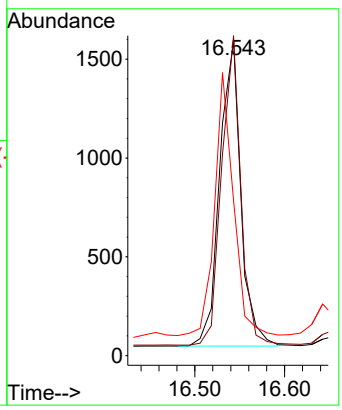


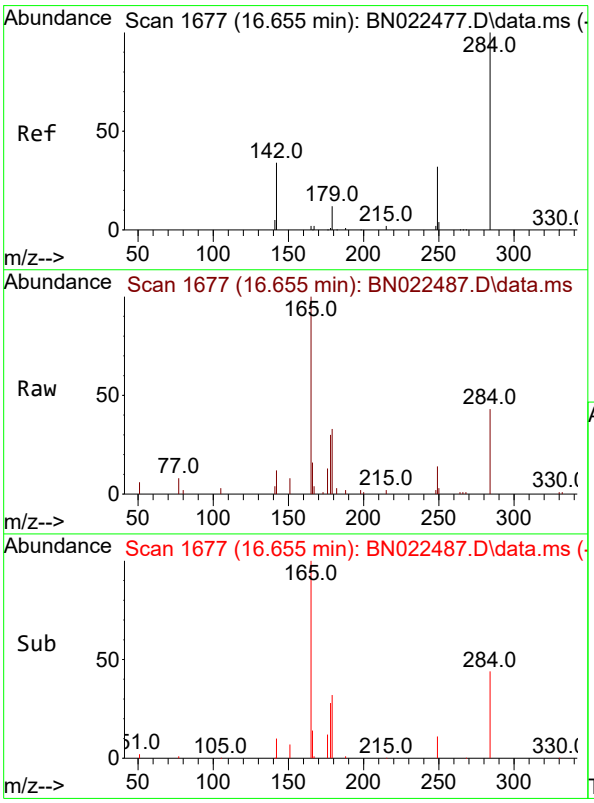
#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 16.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:248 Resp: 2530

Ion	Ratio	Lower	Upper
248	100		
250	101.8	78.6	117.8
141	49.3	50.8	76.2#

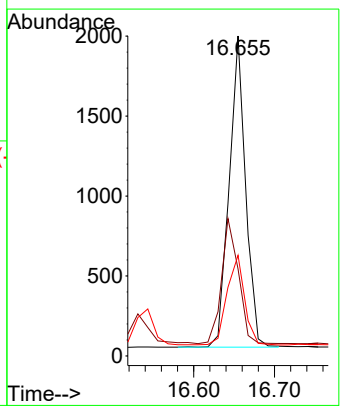


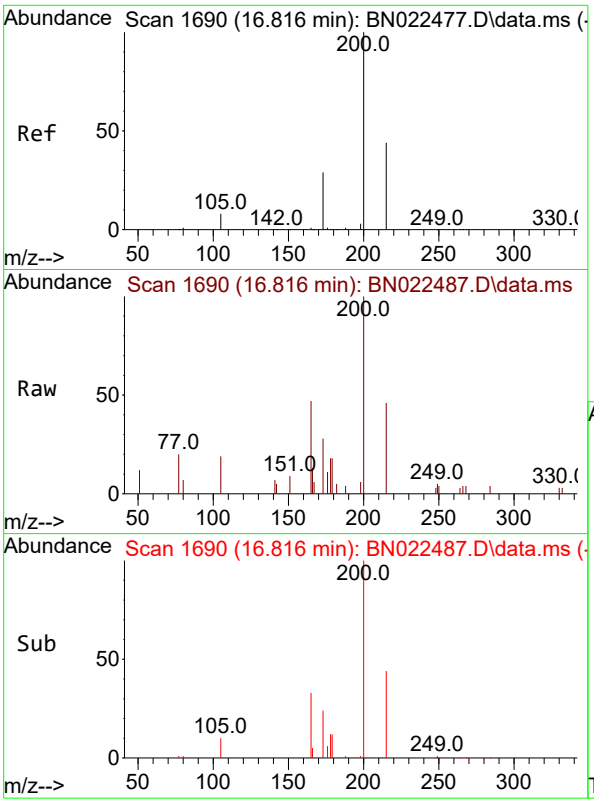


#22
Hexachlorobenzene
Concen: 0.357 ng
RT: 16.655 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:284 Resp: 2743

Ion	Ratio	Lower	Upper
284	100		
142	41.2	32.4	48.6
249	30.7	24.8	37.2



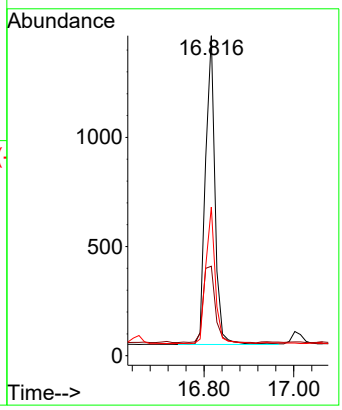


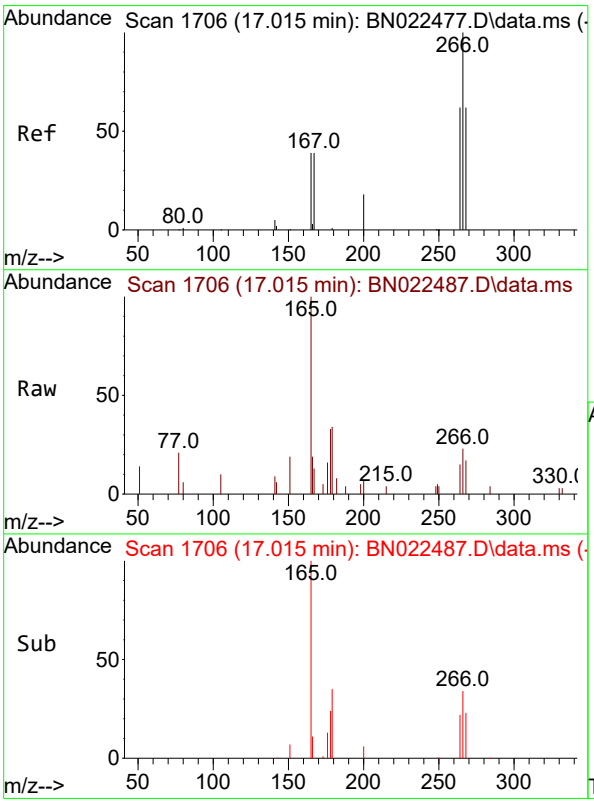
#23
Atrazine
Concen: 0.343 ng
RT: 16.816 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:200 Resp: 2080

Ion	Ratio	Lower	Upper
200	100		
173	28.0	25.2	37.8
215	46.5	36.6	55.0

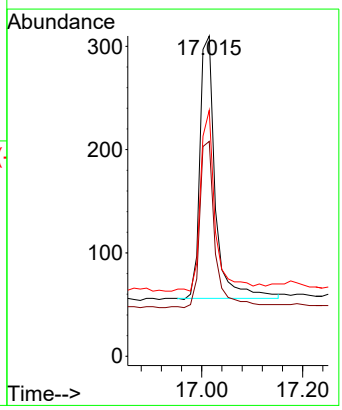


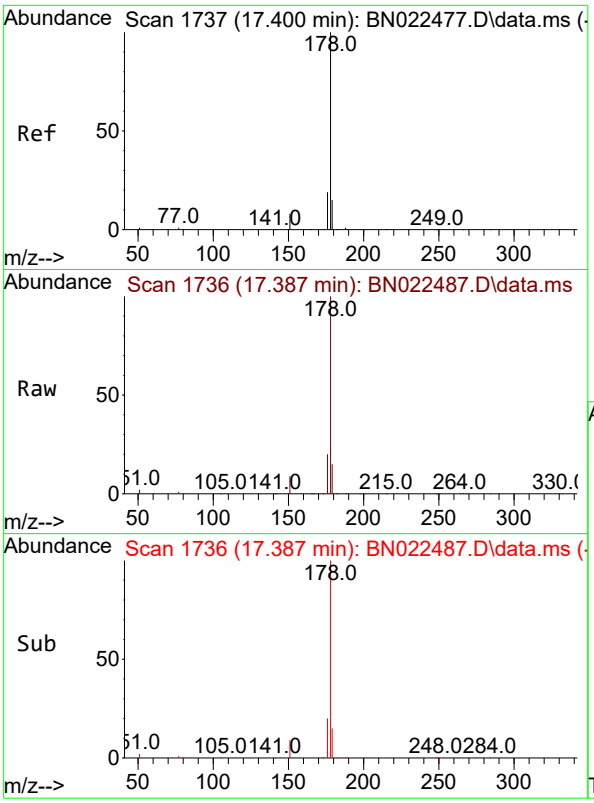


#24
Pentachlorophenol
Concen: 0.306 ng
RT: 17.015 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:266 Resp: 538

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.6	75.8
268	67.7	54.1	81.1



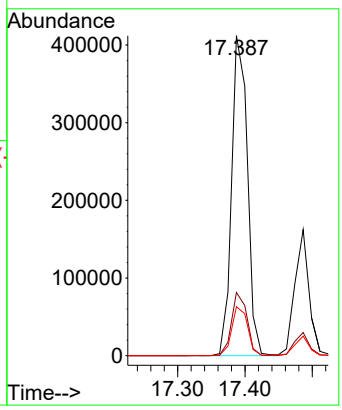


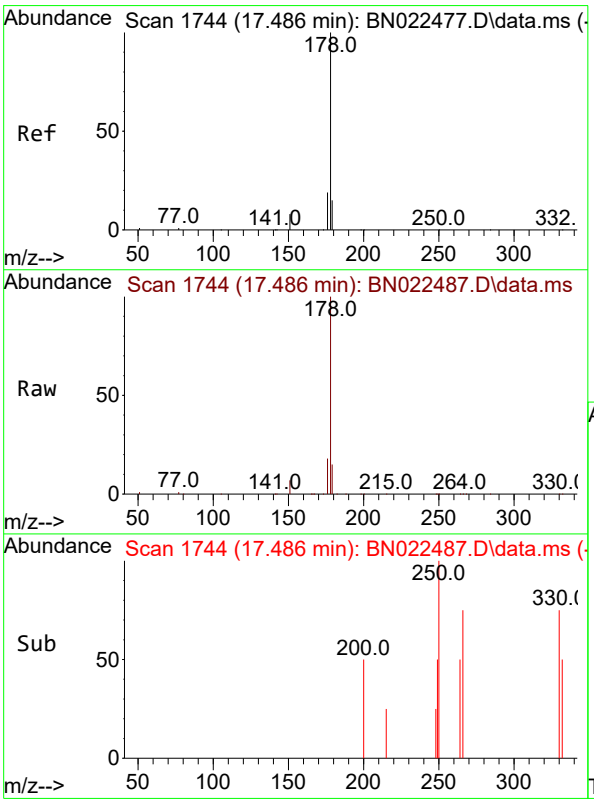
#25
Phenanthrene
Concen: 18.391 ng
RT: 17.387 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:178 Resp: 669718

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.2	18.4

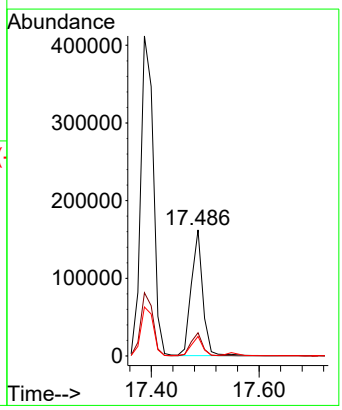


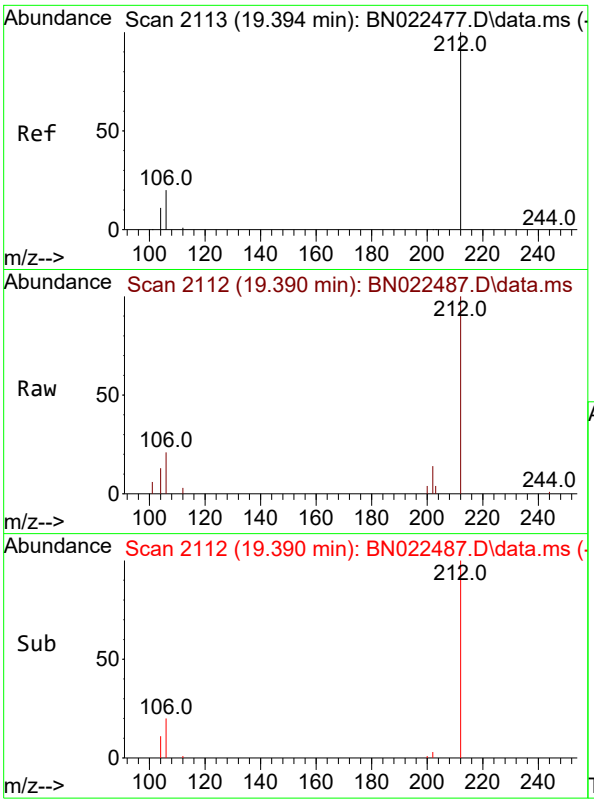


#26
Anthracene
Concen: 7.492 ng
RT: 17.486 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:178 Resp: 240029

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.2	12.2	18.2



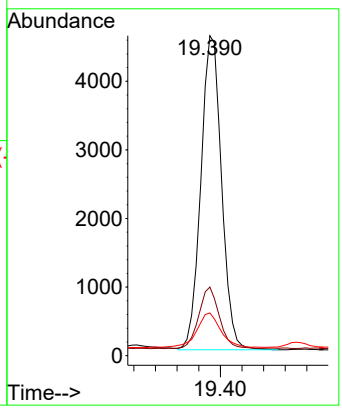


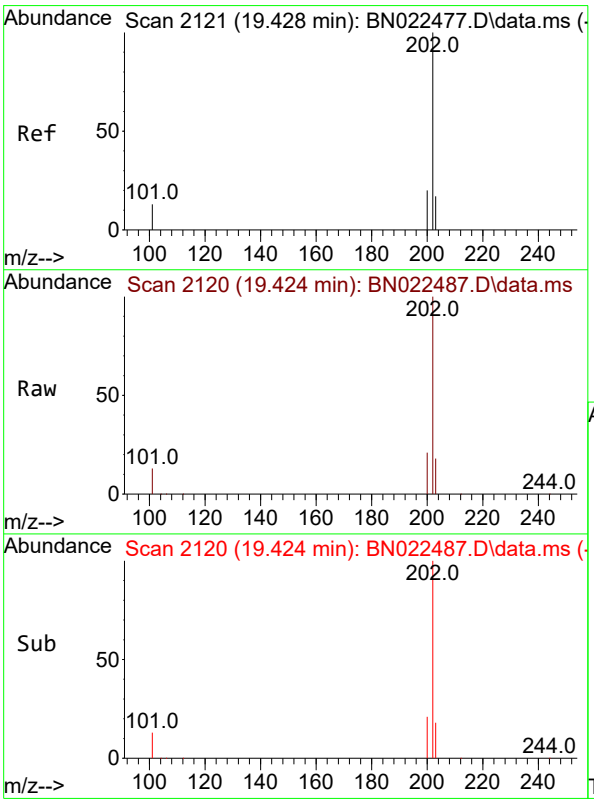
#27
Fluoranthene-d10
Concen: 0.205 ng
RT: 19.390 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:212 Resp: 6090

Ion	Ratio	Lower	Upper
212	100		
106	19.5	15.2	22.8
104	13.0	8.6	12.8#

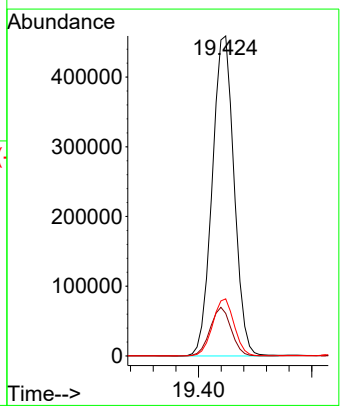


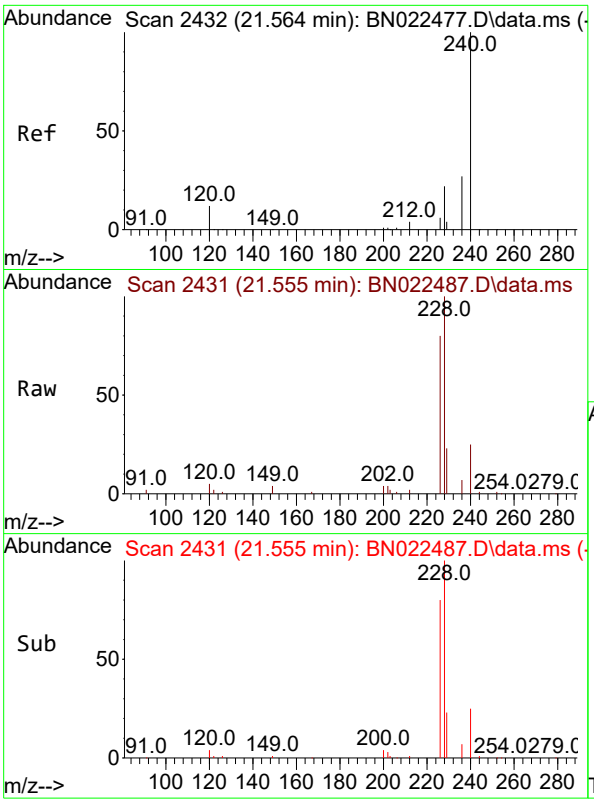


#28
Fluoranthene
Concen: 15.653 ng
RT: 19.424 min Scan# 2120
Delta R.T. -0.004 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:202 Resp: 614294

Ion	Ratio	Lower	Upper
202	100		
101	14.6	11.2	16.8
203	17.5	13.6	20.4



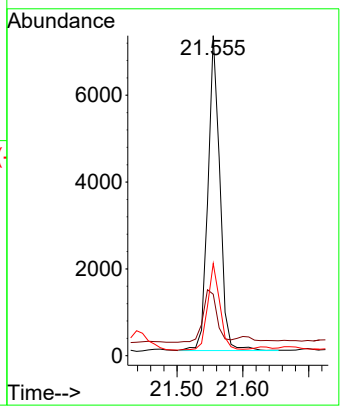


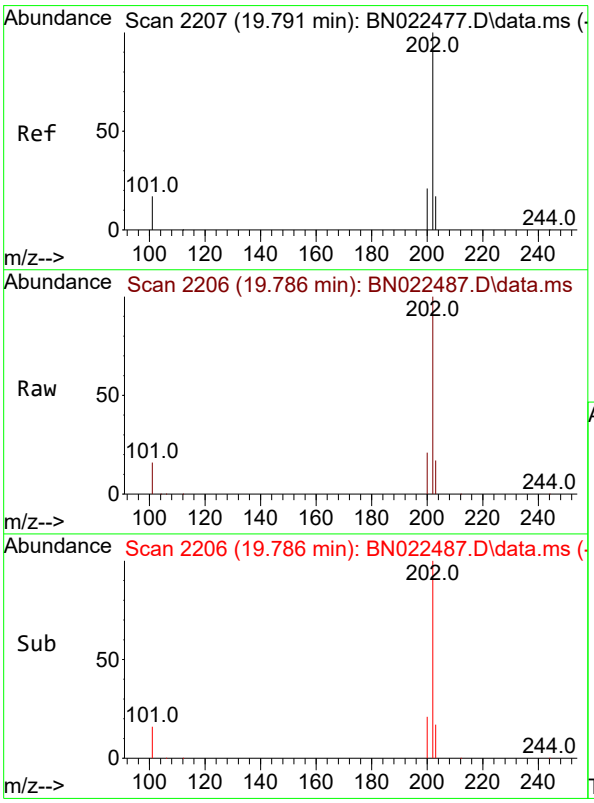
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:240 Resp: 9161

Ion	Ratio	Lower	Upper
240	100		
120	19.2	12.4	18.6#
236	28.8	22.7	34.1

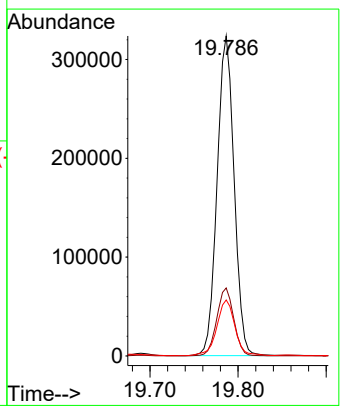


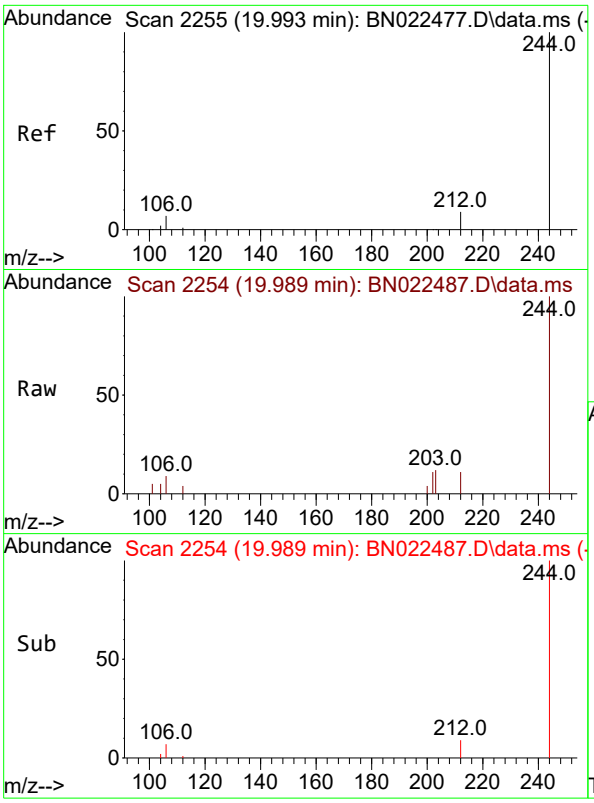


#30
Pyrene
Concen: 10.949 ng
RT: 19.786 min Scan# 2206
Delta R.T. -0.004 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:202 Resp: 433060

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.6	14.3	21.5



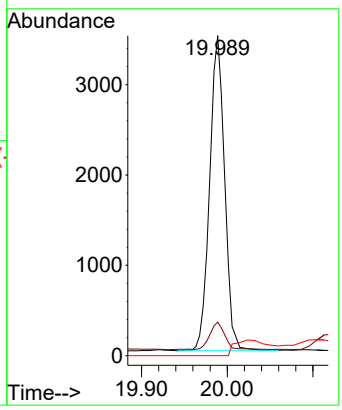


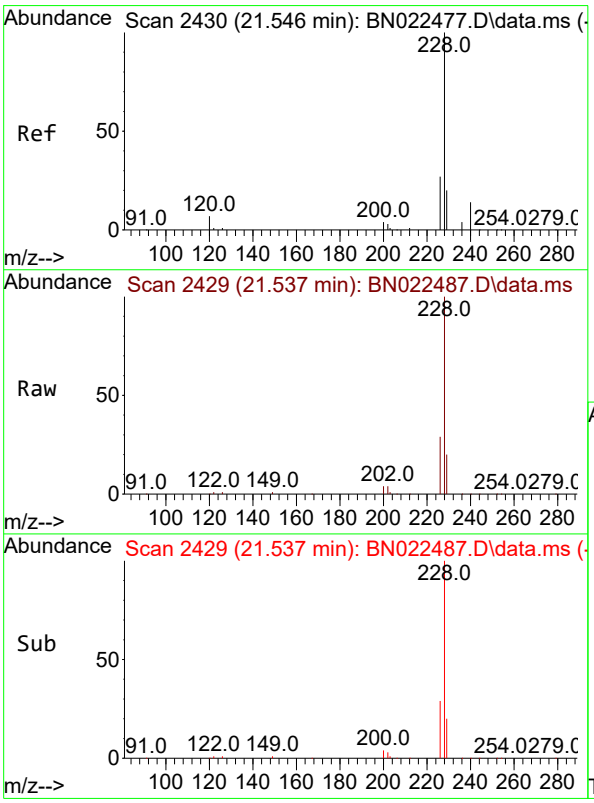
#31
Terphenyl-d14
Concen: 0.193 ng
RT: 19.989 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:244 Resp: 5521

Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.8	11.8
122	0.0	0.0	0.0

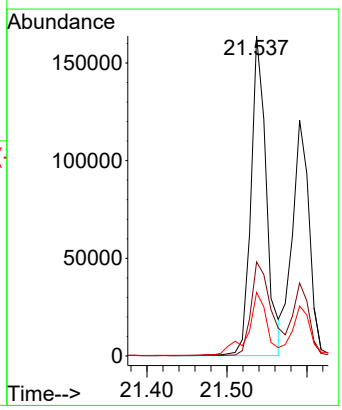


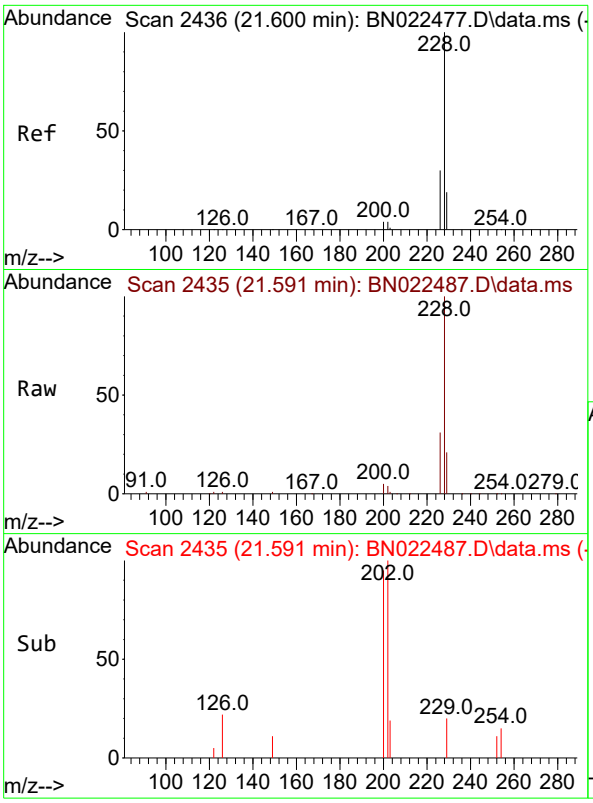


#32
Benzo(a)anthracene
Concen: 5.941 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:228 Resp: 218844

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.1	33.1
229	19.8	16.4	24.6



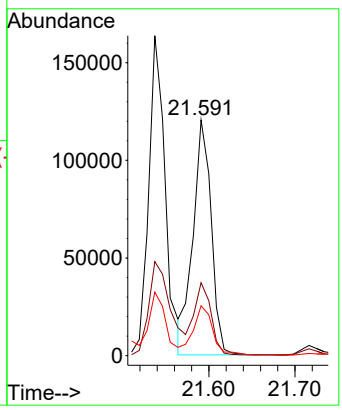


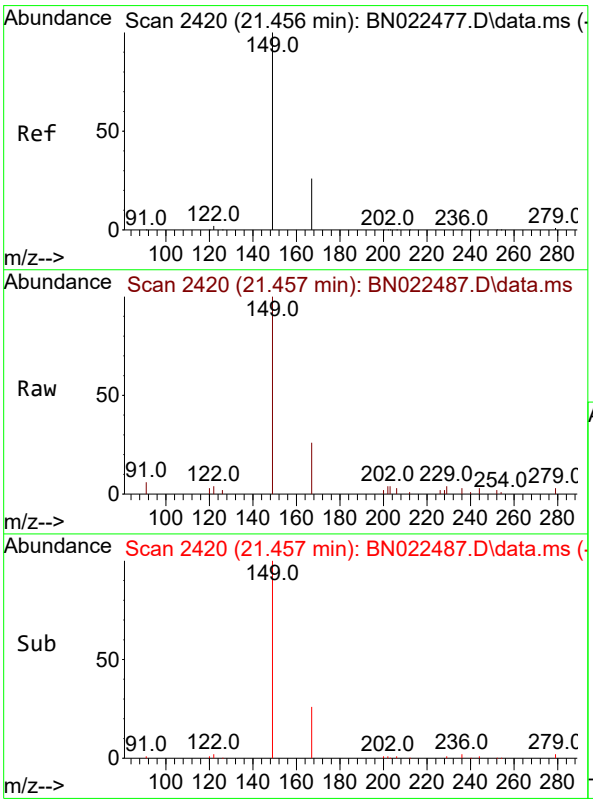
#33
Chrysene
Concen: 4.851 ng
RT: 21.591 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:228 Resp: 176997

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.1	36.1
229	21.2	15.9	23.9

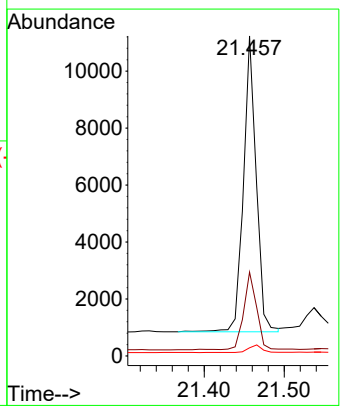


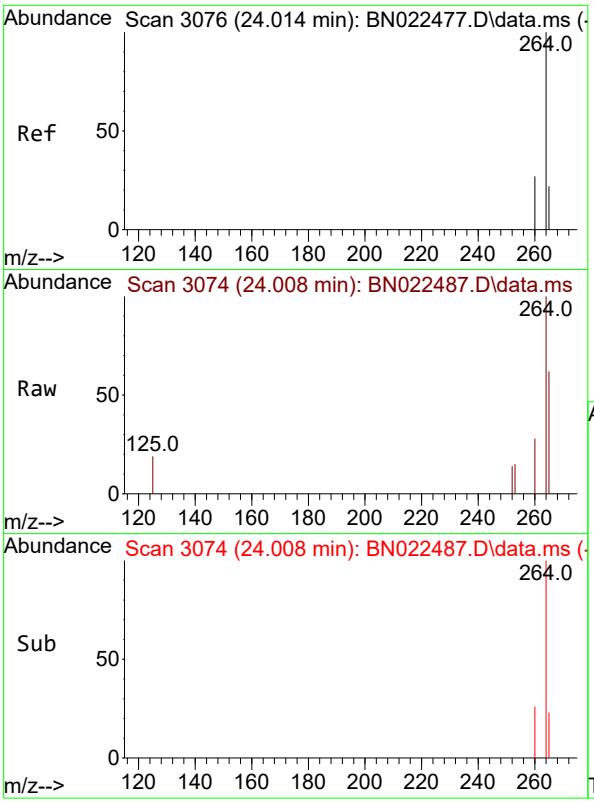


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.369 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:149 Resp: 11463

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.3	31.9
279	2.7	2.7	4.1#



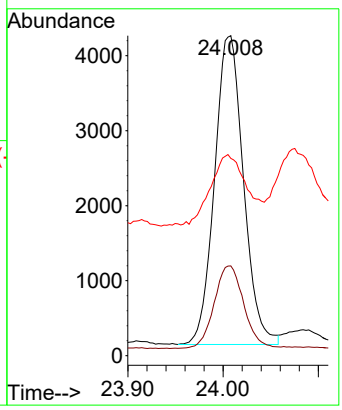


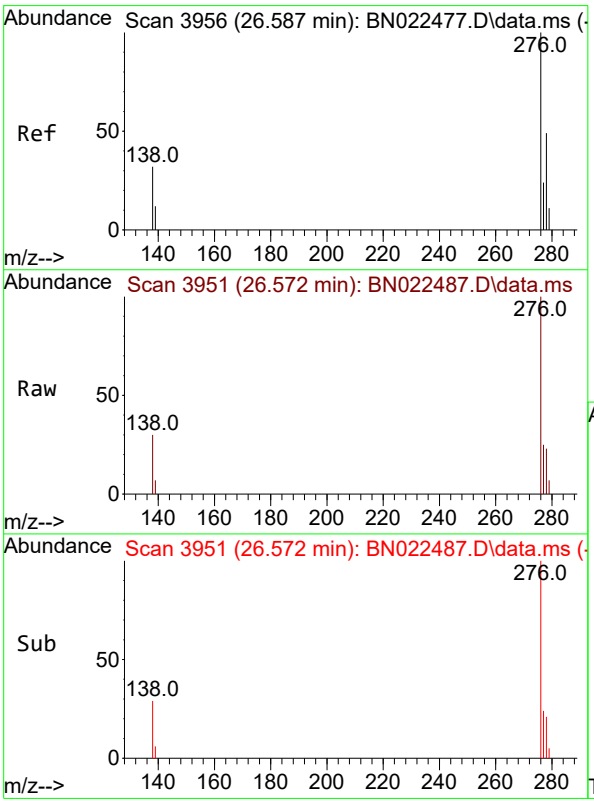
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.008 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:264 Resp: 8690

Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.4	33.6
265	61.7	44.4	66.6

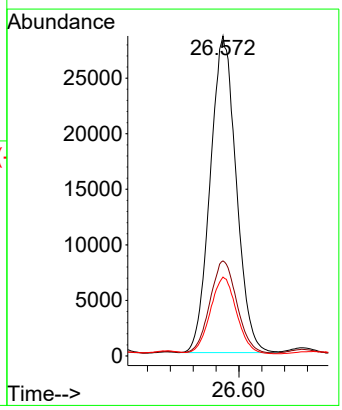


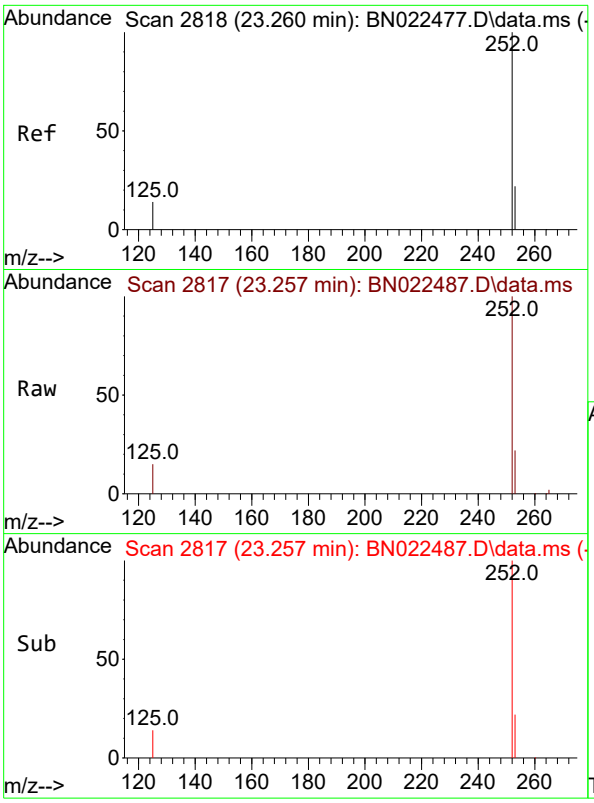


#36
Indeno(1,2,3-cd)pyrene
Concen: 2.147 ng
RT: 26.572 min Scan# 3951
Delta R.T. -0.015 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:276 Resp: 89852

Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.5	41.3
277	24.5	19.8	29.6



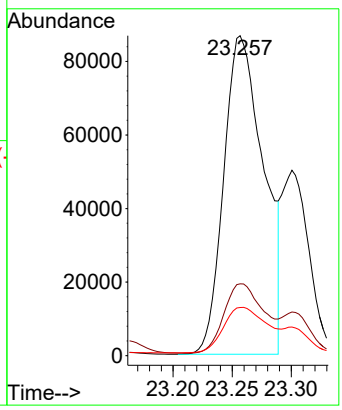


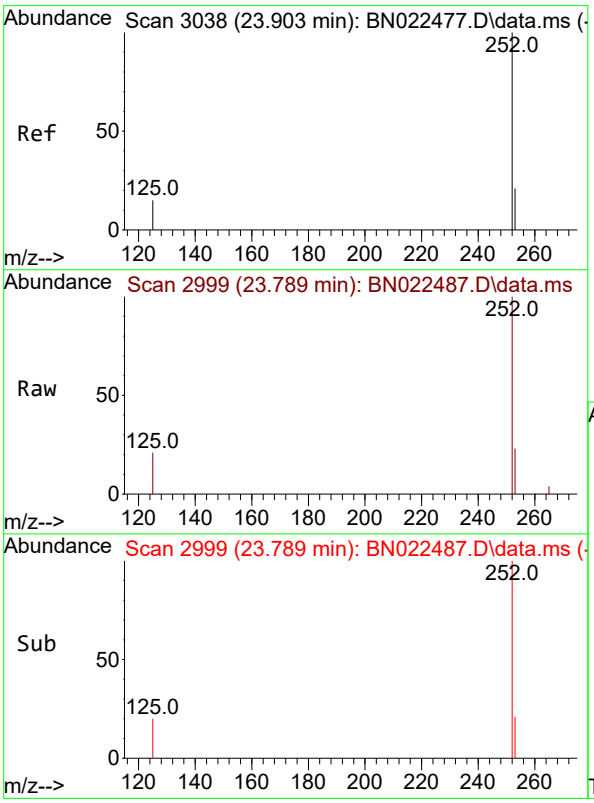
#37
Benzo(b)fluoranthene
Concen: 5.960 ng
RT: 23.257 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:252 Resp: 203648

Ion	Ratio	Lower	Upper
252	100		
253	22.5	21.1	31.7
125	15.0	16.8	25.2#

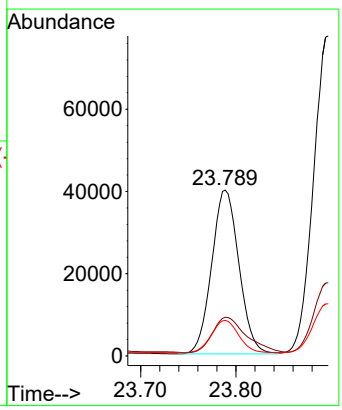


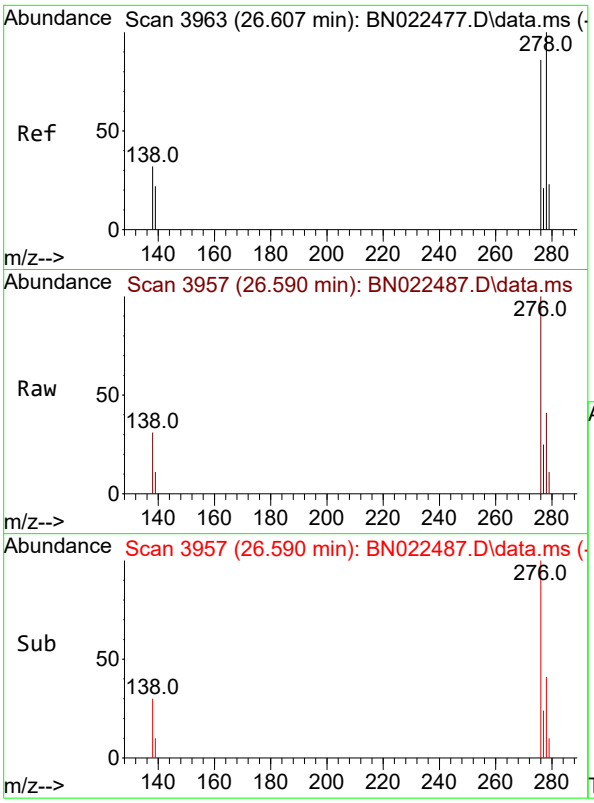


#39
Benzo(a)pyrene
Concen: 2.711 ng
RT: 23.789 min Scan# 2999
Delta R.T. -0.114 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:252 Resp: 79329

Ion	Ratio	Lower	Upper
252	100		
253	23.4	22.0	33.0
125	21.4	19.8	29.8



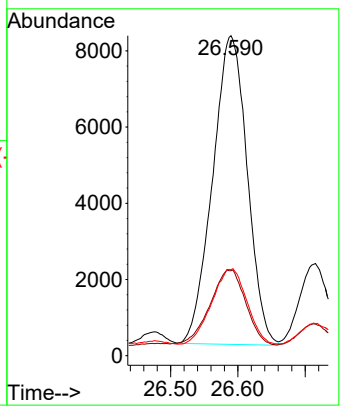


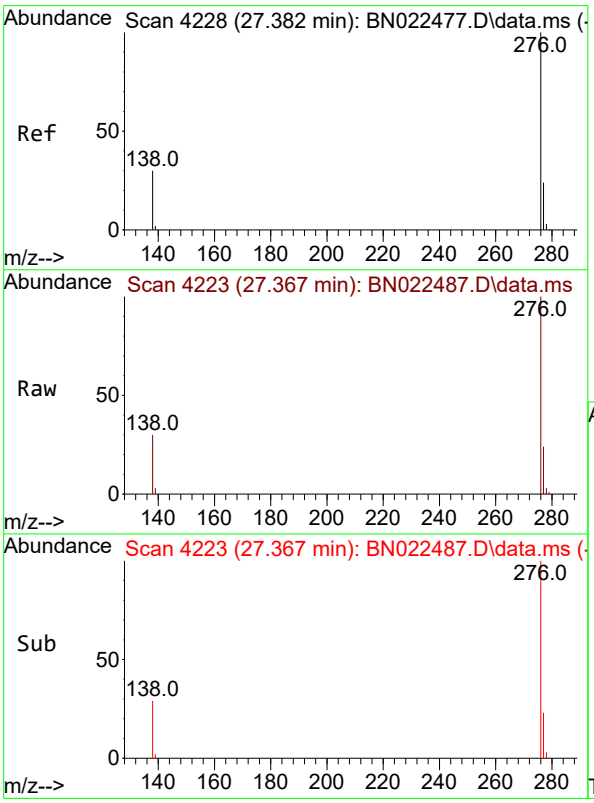
#40
Dibenzo(a,h)anthracene
Concen: 0.870 ng
RT: 26.590 min Scan# 3
Delta R.T. -0.018 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Instrument :
BNA_N
ClientSampleId :
S-1-103122MSD

Tgt Ion:278 Resp: 28971

Ion	Ratio	Lower	Upper
278	100		
139	26.5	21.8	32.6
279	26.9	21.5	32.3





#41
Benzo(g,h,i)perylene
Concen: 2.129 ng
RT: 27.367 min Scan# 4223
Delta R.T. -0.015 min
Lab File: BN022487.D
Acq: 03 Nov 2022 21:08

Tgt Ion:276 Resp: 75290

Ion	Ratio	Lower	Upper
276	100		
277	23.9	21.0	31.4
138	29.7	26.0	39.0