Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100322\
Data File : BN021988.D
Acq On : 03 Oct 2022 22:57
Operator : CG/JU
Sample : PB148037BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Quant Time: Oct 04 01:52:11 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 01:32:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.986	152	3849	0.400	ng	0.00
7) Naphthalene-d8	10.816	136	11460	0.400	ng	0.00
13) Acenaphthene-d10	14.653	164	5809	0.400	ng	0.00
19) Phenanthrene-d10	17.400	188	11891	0.400	ng	#-0.01
29) Chrysene-d12	21.600	240	9868	0.400	ng	# 0.00
35) Perylene-d12	24.081	264	8311	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.508	112	3538	0.397	ng	0.00
5) Phenol-d6	7.141	99	4489	0.388	ng	0.00
8) Nitrobenzene-d5	9.161	82	3609	0.392	ng	0.00
11) 2-Methylnaphthalene-d10	12.406	152	8364	0.397	ng	0.00
14) 2,4,6-Tribromophenol	16.146	330	859	0.388	ng	0.00
15) 2-Fluorobiphenyl	13.274	172	10506	0.414	ng	-0.01
27) Fluoranthene-d10	19.441	212	12419	0.393	ng	0.00
31) Terphenyl-d14	20.033	244	8046	0.406	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	2069	0.415	ng	98
3) n-Nitrosodimethylamine	3.667	42	2205	0.407	ng	# 96
6) bis(2-Chloroethyl)ether	7.408	93	4894	0.400	ng	99
9) Naphthalene	10.859	128	13892	0.401	ng	100
10) Hexachlorobutadiene	11.147	225	2465	0.411	ng	# 99
12) 2-Methylnaphthalene	12.119	142	1923	0.375	ng	97
16) Acenaphthylene	14.375	152	10357	0.375	ng	99
17) Acenaphthene	14.717	154	7837	0.403	ng	100
18) Fluorene	15.701	166	9573	0.409	ng	100
20) 4,6-Dinitro-2-methylph...	15.786	198	566	0.434	ng	# 80
21) 4-Bromophenyl-phenylether	16.593	248	2863	0.395	ng	94
22) Hexachlorobenzene	16.705	284	3605	0.400	ng	99
23) Atrazine	16.866	200	2029	0.377	ng	98
24) Pentachlorophenol	17.065	266	1002	0.362	ng	96
25) Phenanthrene	17.449	178	16221	0.397	ng	100
26) Anthracene	17.536	178	12279	0.374	ng	100
28) Fluoranthene	19.470	202	17223	0.393	ng	99
30) Pyrene	19.833	202	17209	0.397	ng	100
32) Benzo(a)anthracene	21.582	228	14452	0.389	ng	99
33) Chrysene	21.636	228	16314	0.396	ng	99
34) Bis(2-ethylhexyl)phtha...	21.501	149	6950	0.390	ng	100
36) Indeno(1,2,3-cd)pyrene	26.686	276	17082	0.407	ng	99
37) Benzo(b)fluoranthene	23.318	252	15681	0.398	ng	98
38) Benzo(k)fluoranthene	23.368	252	15026	0.383	ng	100
39) Benzo(a)pyrene	23.970	252	11938	0.397	ng	96
40) Dibenzo(a,h)anthracene	26.710	278	13343	0.398	ng	99
41) Benzo(g,h,i)perylene	27.487	276	13678	0.378	ng	99

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

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Acq On : 03 Oct 2022 22:57
Operator : CG/JU
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Misc :
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Instrument :
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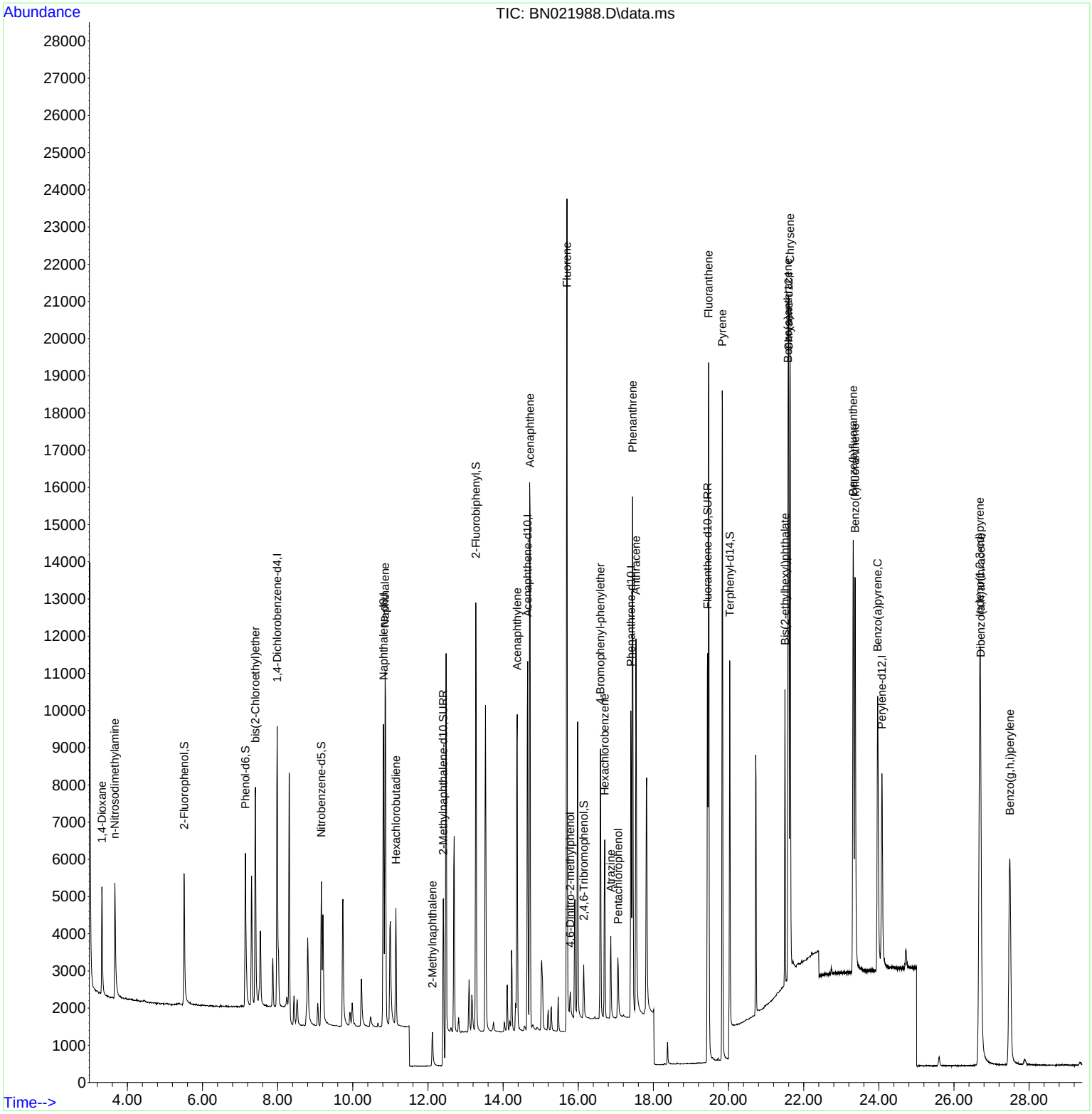
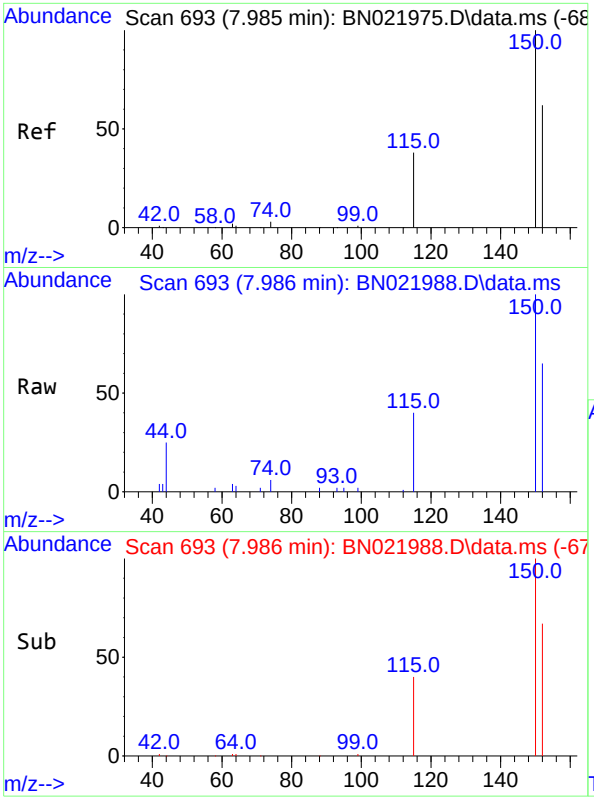
ClientSampleId :
PB148037BS

Quant Time: Oct 04 01:52:11 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 01:32:21 2022
Response via : Initial Calibration



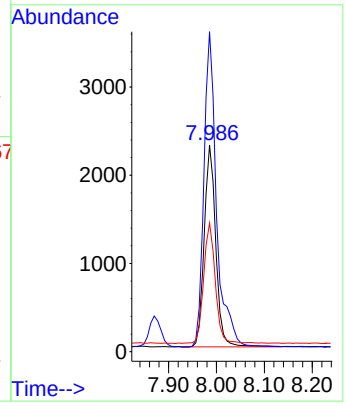


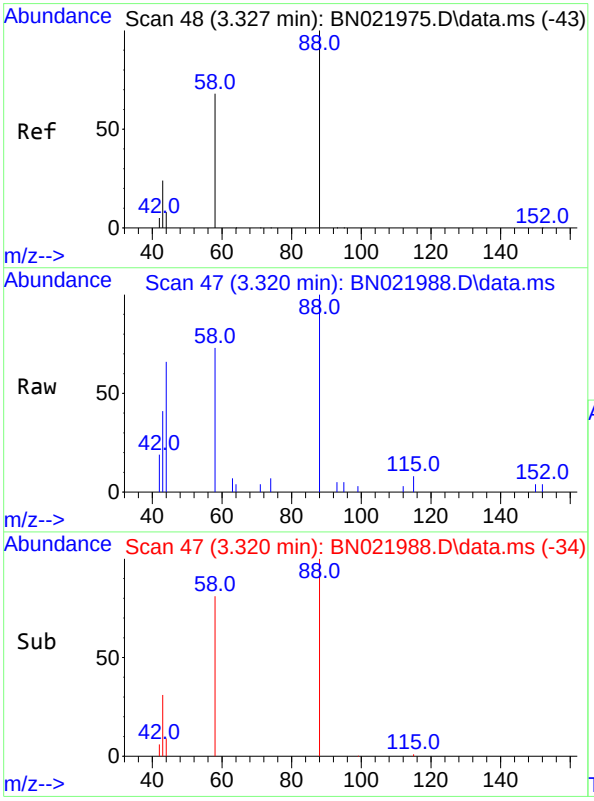
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.986 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:152 Resp: 3849

Ion	Ratio	Lower	Upper
152	100		
150	154.8	127.2	190.8
115	62.3	51.4	77.0

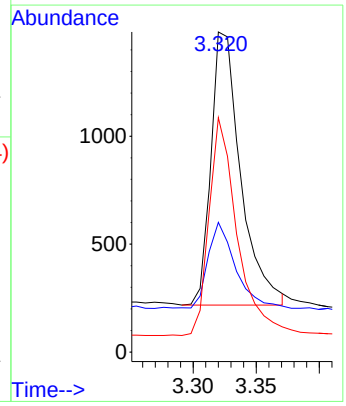


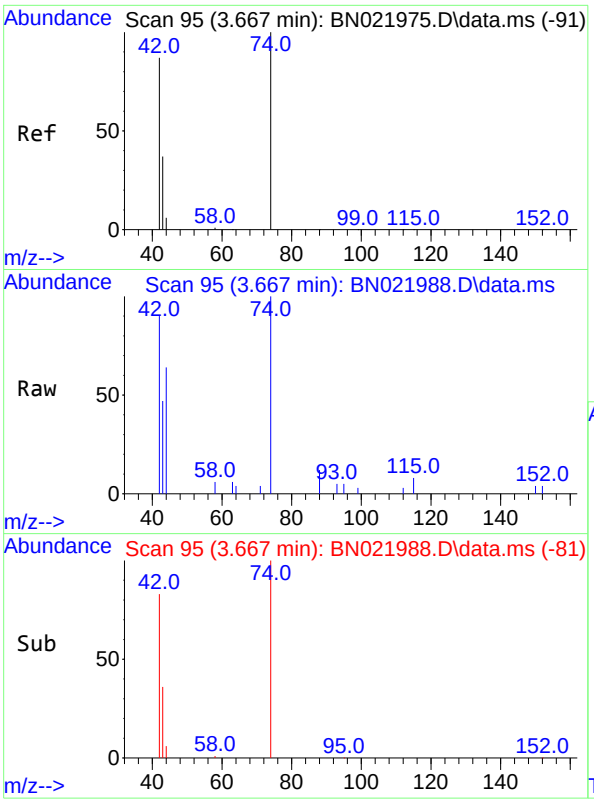


#2
1,4-Dioxane
Concen: 0.415 ng
RT: 3.320 min Scan# 47
Delta R.T. -0.007 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion: 88 Resp: 2069

Ion	Ratio	Lower	Upper
88	100		
43	29.0	22.6	34.0
58	75.4	58.6	88.0



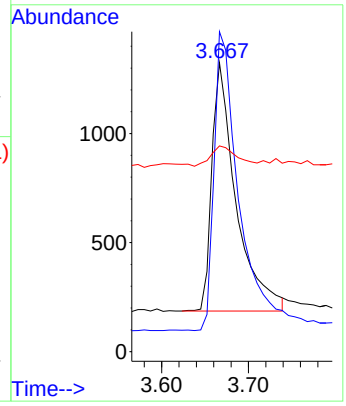


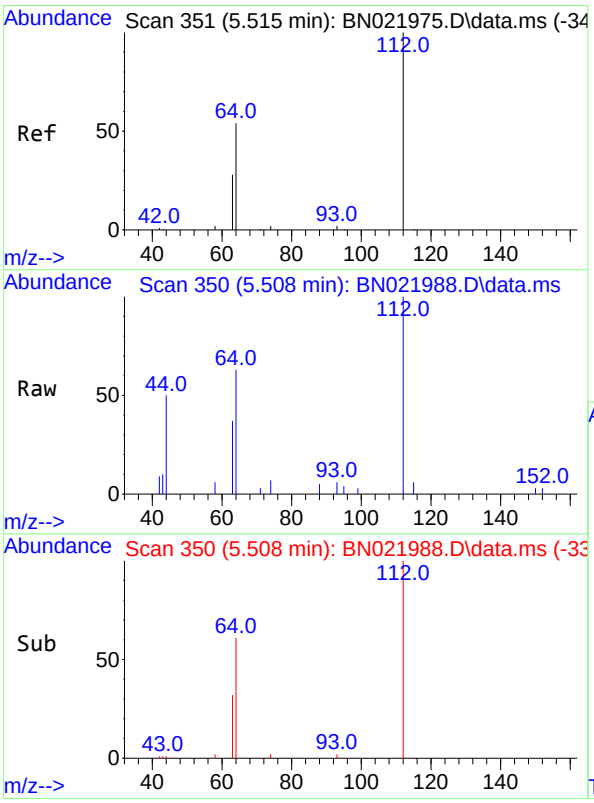
#3
n-Nitrosodimethylamine
Concen: 0.407 ng
RT: 3.667 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion: 42 Resp: 2205

Ion	Ratio	Lower	Upper
42	100		
74	123.7	101.6	152.4
44	8.8	10.4	15.6#

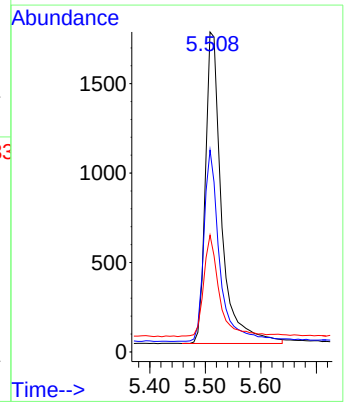


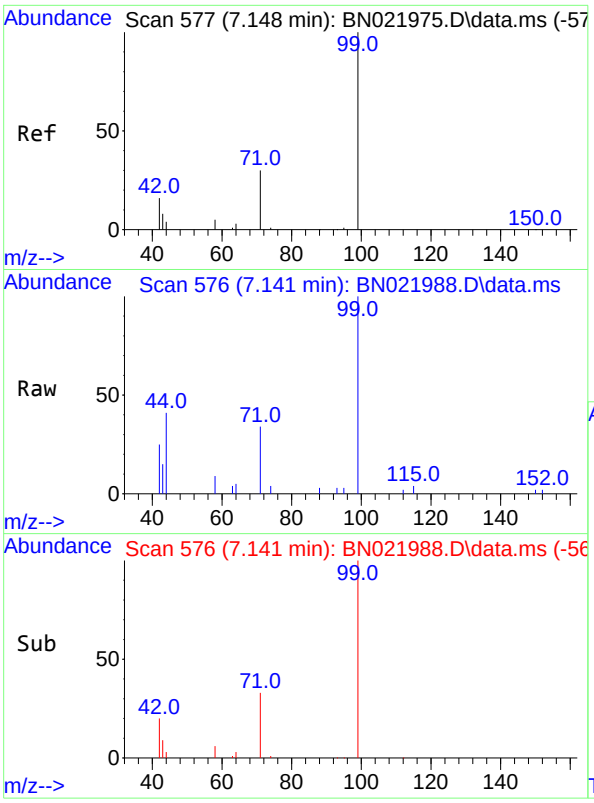


#4
2-Fluorophenol
Concen: 0.397 ng
RT: 5.508 min Scan# 350
Delta R.T. -0.007 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:112 Resp: 3538

Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.9	70.3
63	31.3	24.6	37.0



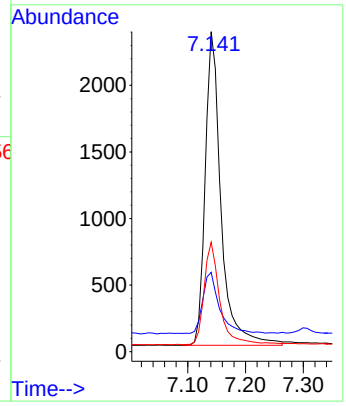


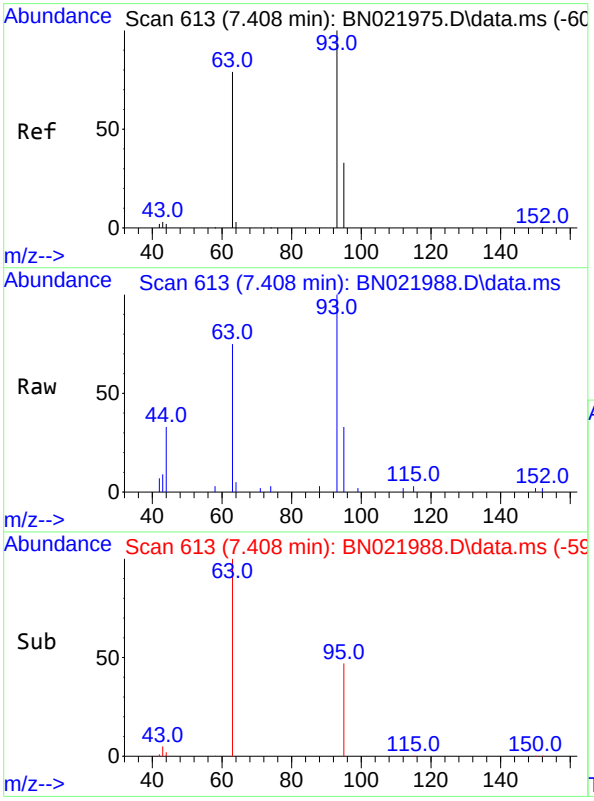
#5
Phenol-d6
Concen: 0.388 ng
RT: 7.141 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion: 99 Resp: 4489

Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.9	23.9
71	32.5	25.6	38.4

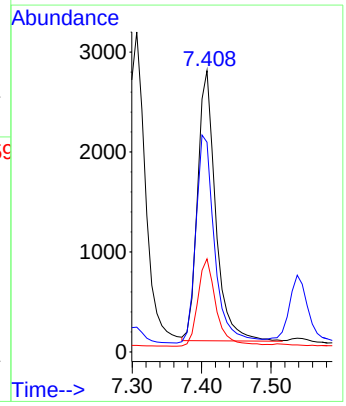


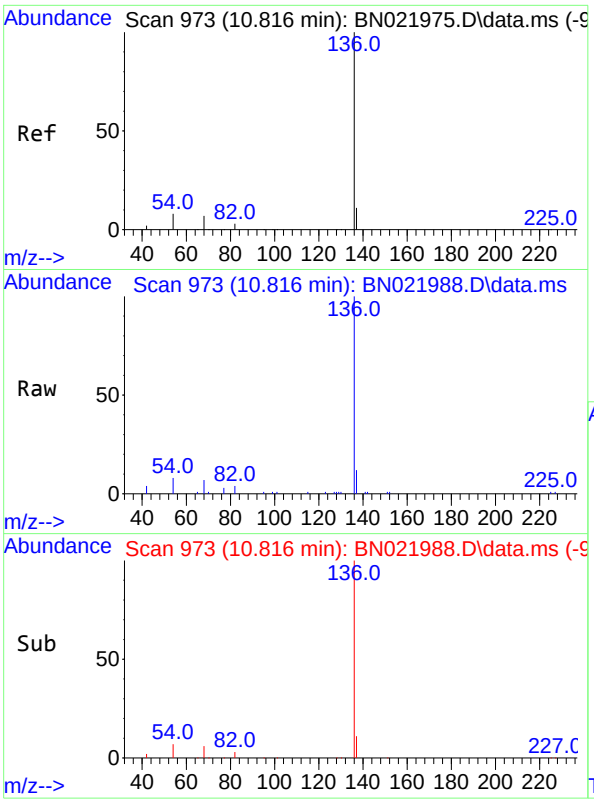


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 7.408 min Scan# 613
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion: 93 Resp: 4894

Ion	Ratio	Lower	Upper
93	100		
63	79.9	64.8	97.2
95	33.0	26.6	40.0



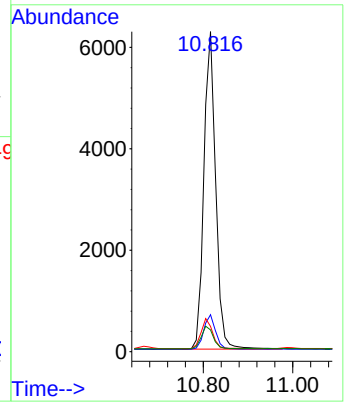


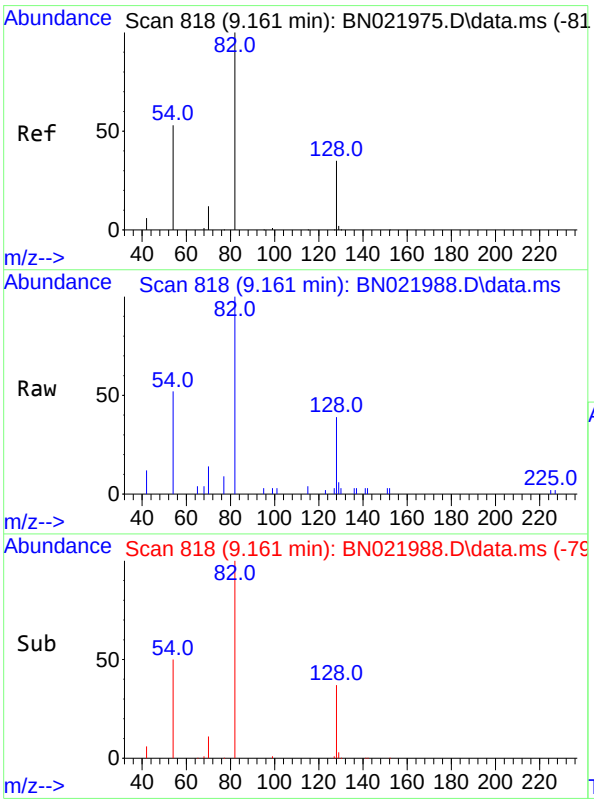
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:136 Resp: 11460

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.9	7.1	10.7
68	6.8	6.2	9.2

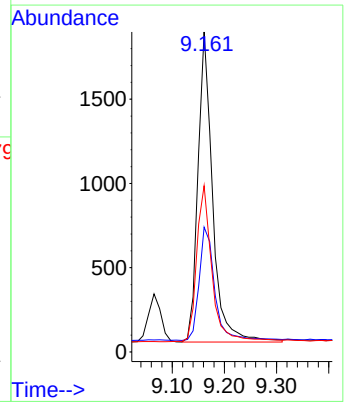


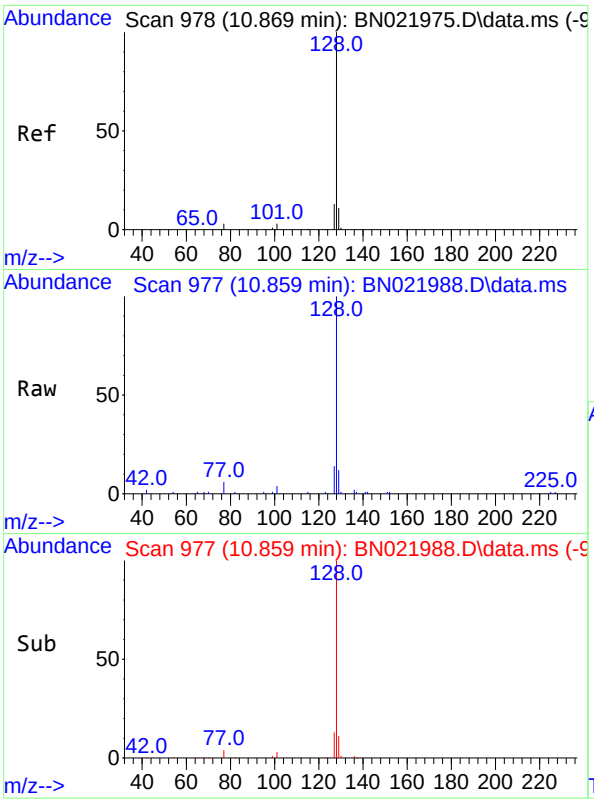


#8
Nitrobenzene-d5
Concen: 0.392 ng
RT: 9.161 min Scan# 818
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion: 82 Resp: 3609

Ion	Ratio	Lower	Upper
82	100		
128	39.0	29.9	44.9
54	52.0	43.5	65.3



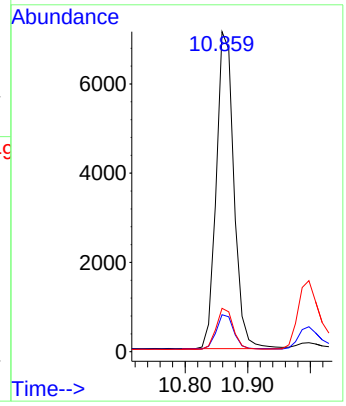


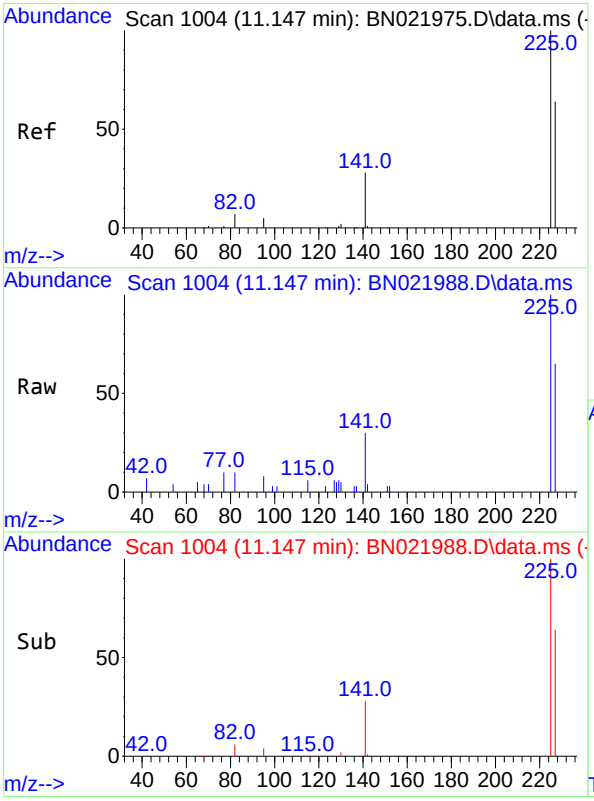
#9
Naphthalene
Concen: 0.401 ng
RT: 10.859 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:128 Resp: 13892

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.6	10.6	16.0

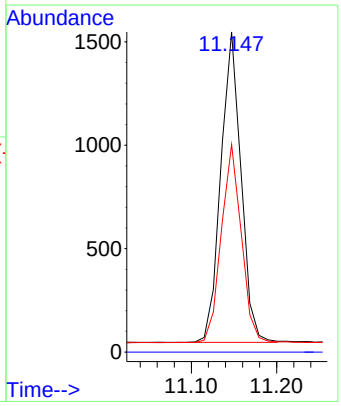


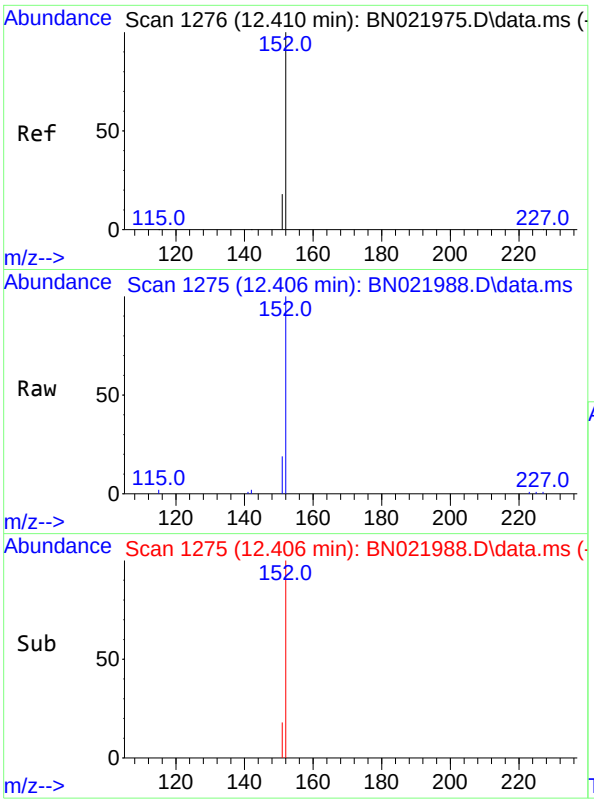


#10
Hexachlorobutadiene
Concen: 0.411 ng
RT: 11.147 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:225 Resp: 2465

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.3	76.9



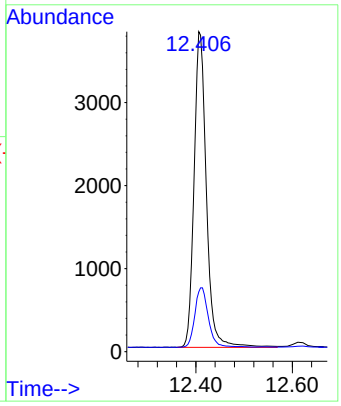


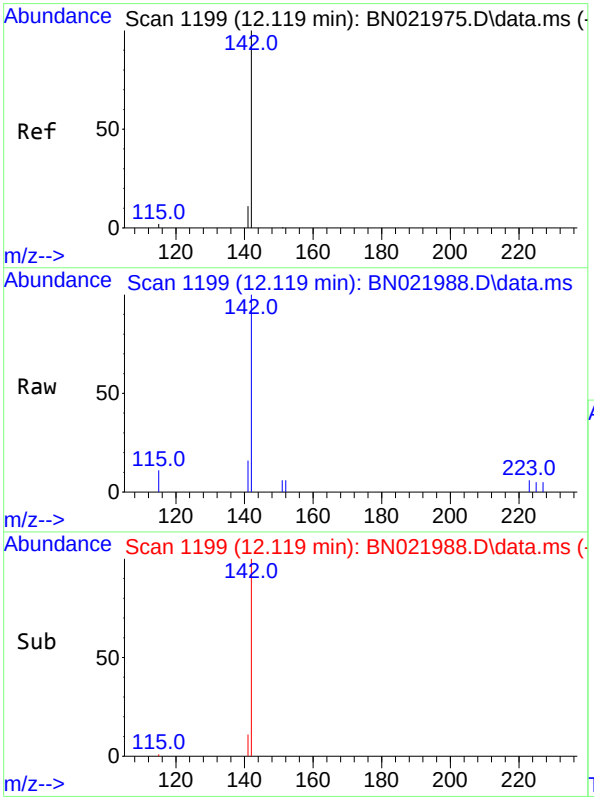
#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.406 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:152 Resp: 8364

Ion	Ratio	Lower	Upper
152	100		
151	18.3	13.8	20.6

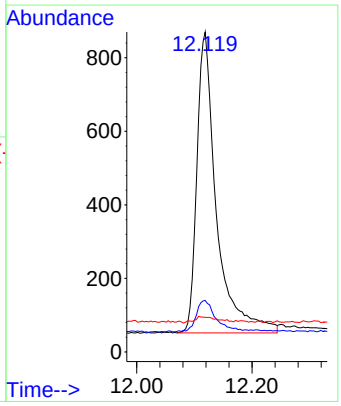


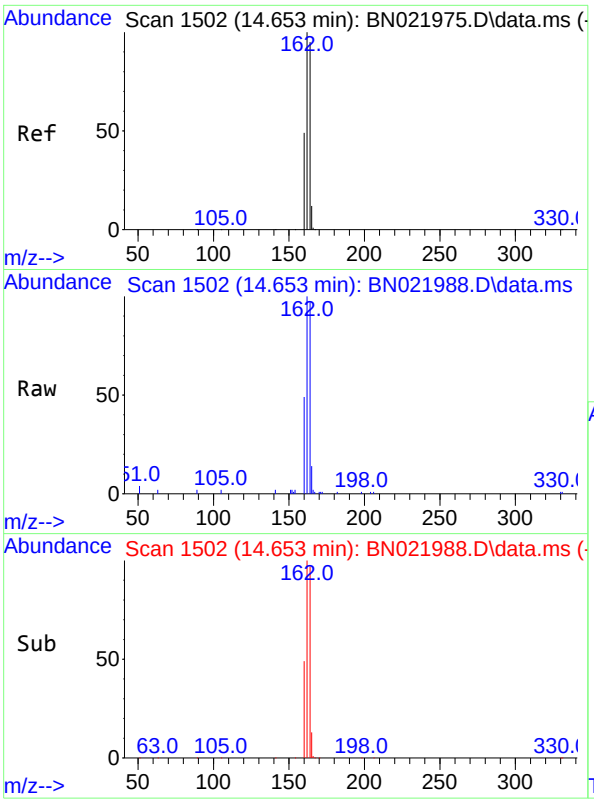


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.119 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:142 Resp: 1923

Ion	Ratio	Lower	Upper
142	100		
141	16.1	13.6	20.4
115	10.8	9.7	14.5



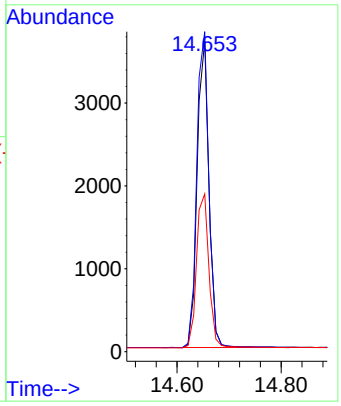


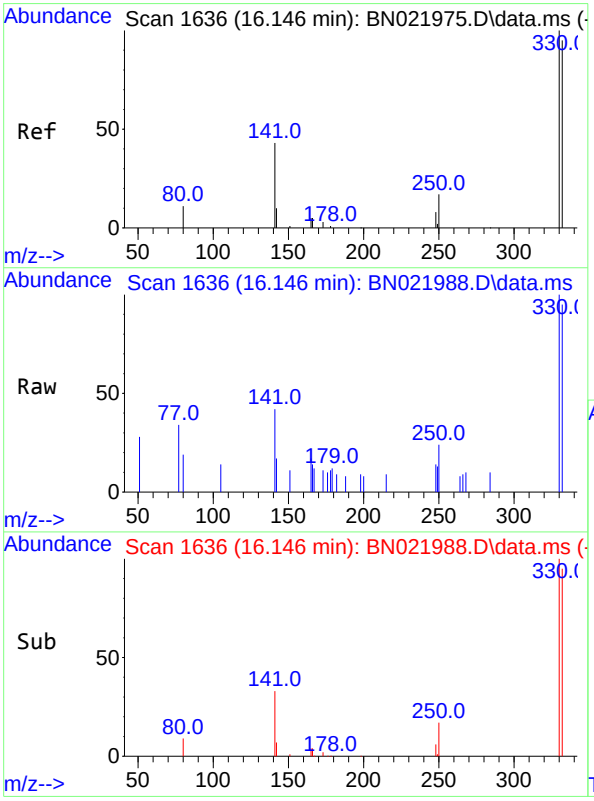
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:164 Resp: 5809

Ion	Ratio	Lower	Upper
164	100		
162	103.0	84.3	126.5
160	50.8	41.7	62.5

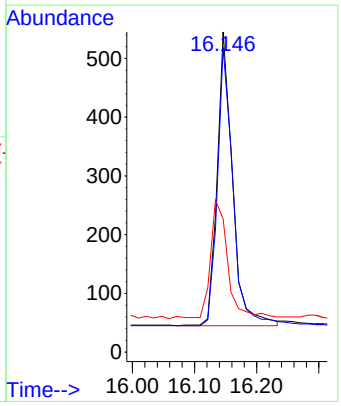


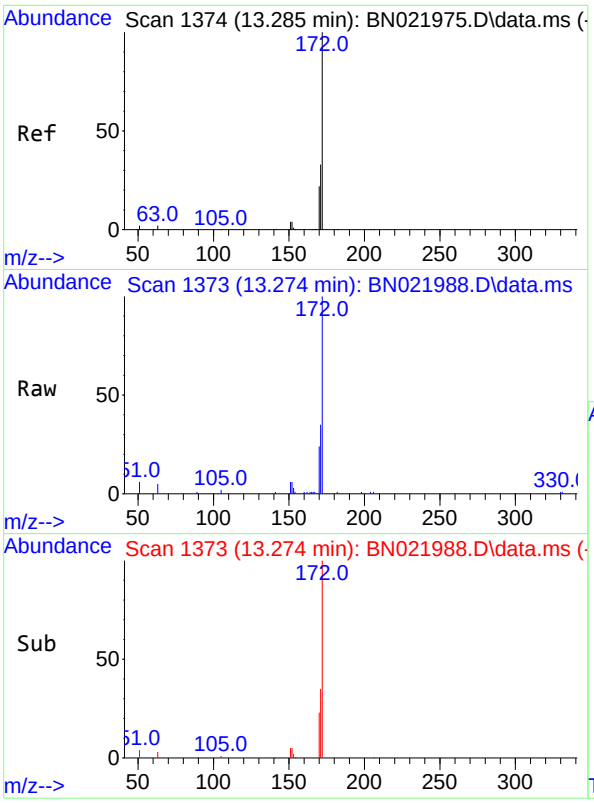


#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 16.146 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:330 Resp: 859

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.4
141	43.5	35.3	52.9



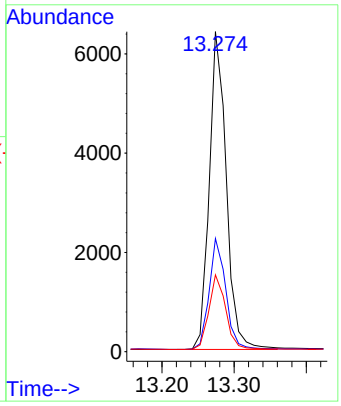


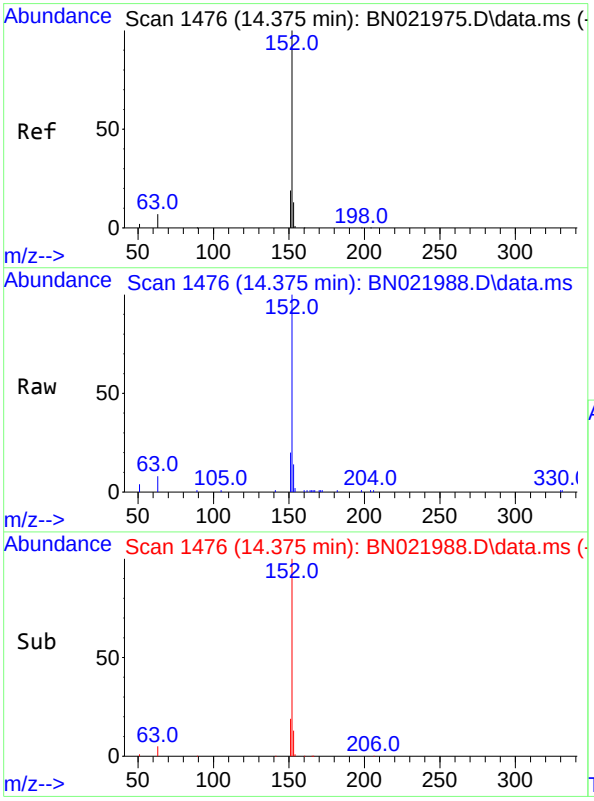
#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 13.274 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:172 Resp: 10506

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.2	40.8
170	24.0	18.3	27.5

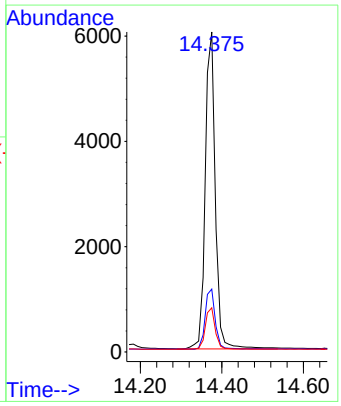


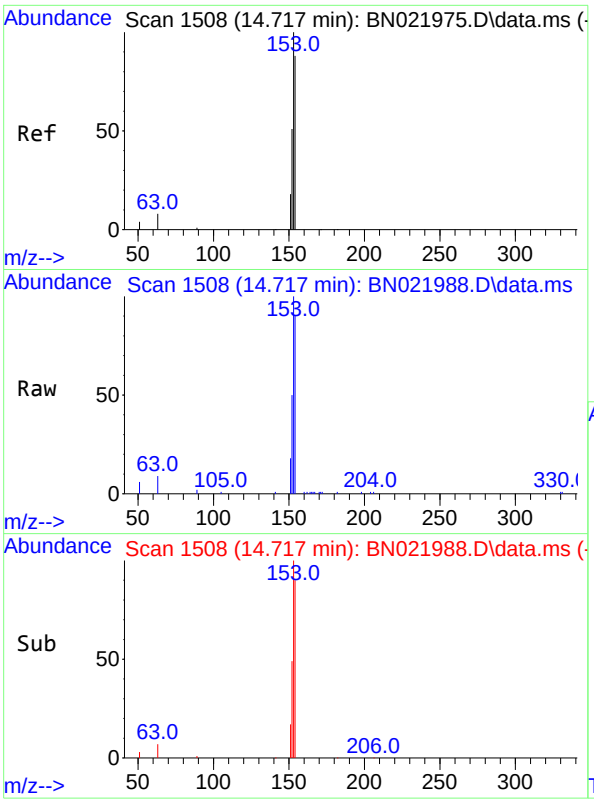


#16
Acenaphthylene
Concen: 0.375 ng
RT: 14.375 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:152 Resp: 10357

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.5	23.3
153	13.1	10.4	15.6



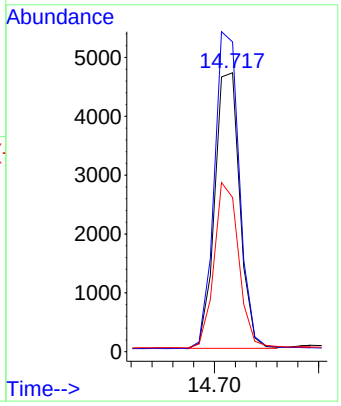


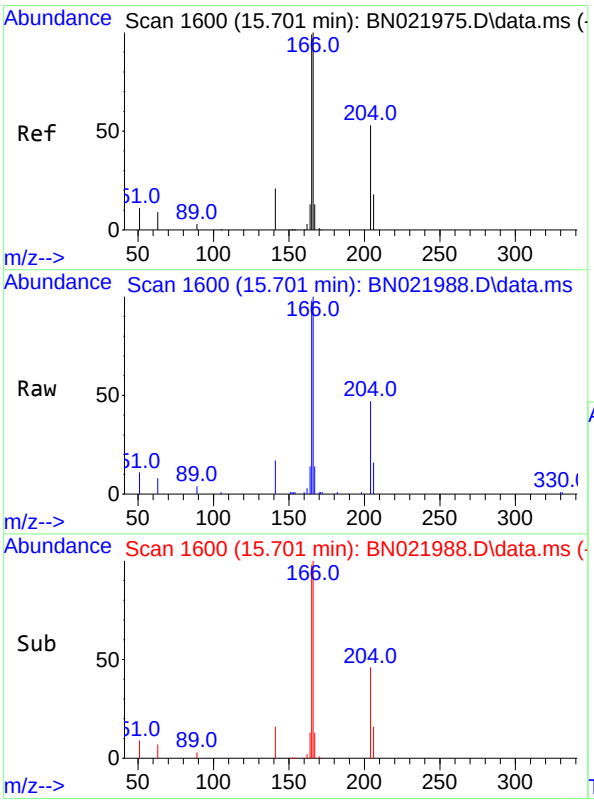
#17
Acenaphthene
Concen: 0.403 ng
RT: 14.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:154 Resp: 7837

Ion	Ratio	Lower	Upper
154	100		
153	115.8	92.1	138.1
152	59.5	47.8	71.6

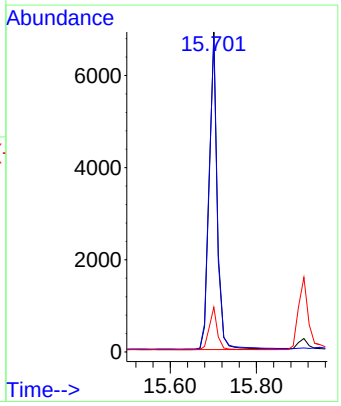


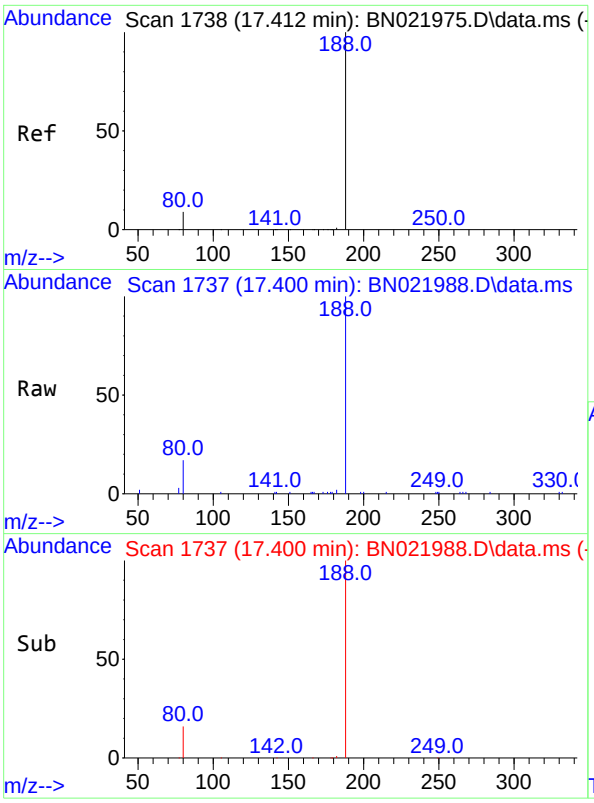


#18
Fluorene
Concen: 0.409 ng
RT: 15.701 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:166 Resp: 9573

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.0	120.0
167	13.5	10.9	16.3



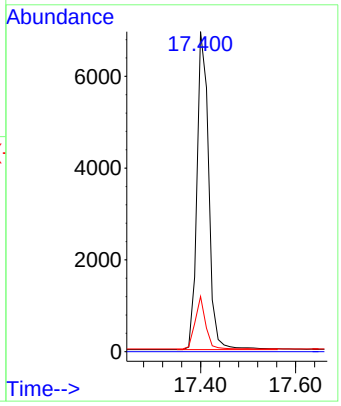


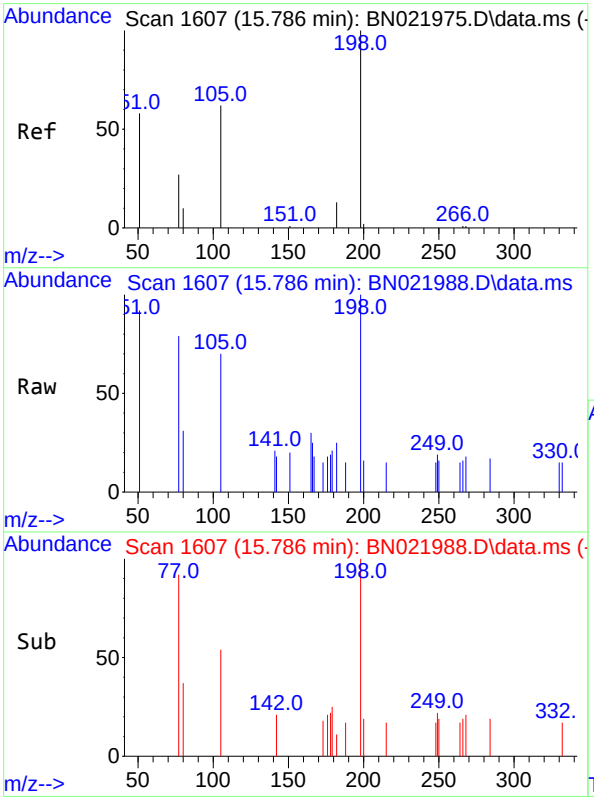
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.400 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:188 Resp: 11891

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	17.3	7.5	11.3#

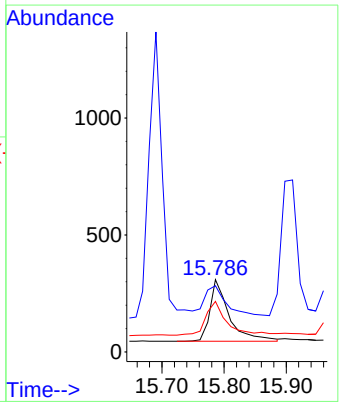


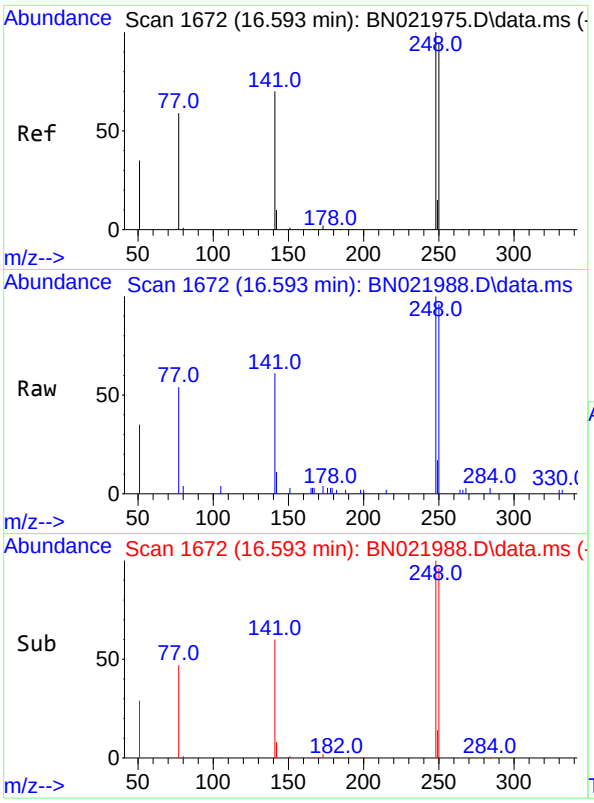


#20
4,6-Dinitro-2-methylphenol
Concen: 0.434 ng
RT: 15.786 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:198 Resp: 566

Ion	Ratio	Lower	Upper
198	100		
51	91.6	96.6	144.8#
105	69.9	64.4	96.6



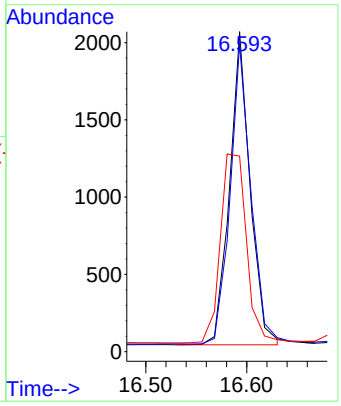


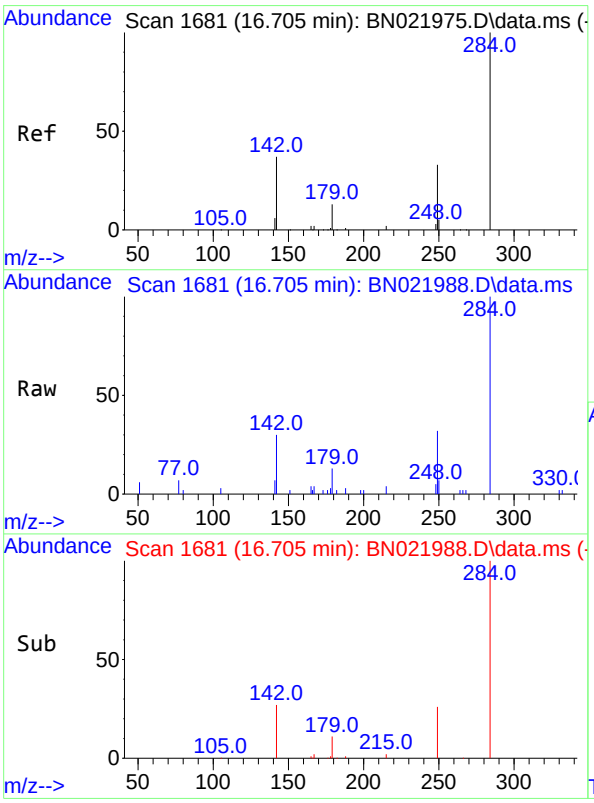
#21
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.593 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:248 Resp: 2863

Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.6	114.8
141	61.1	57.5	86.3

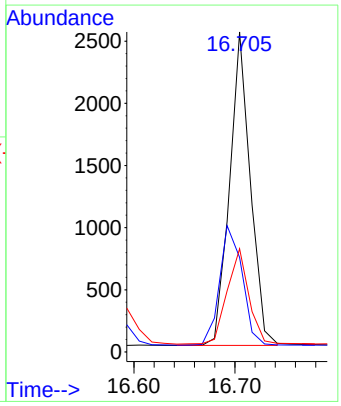


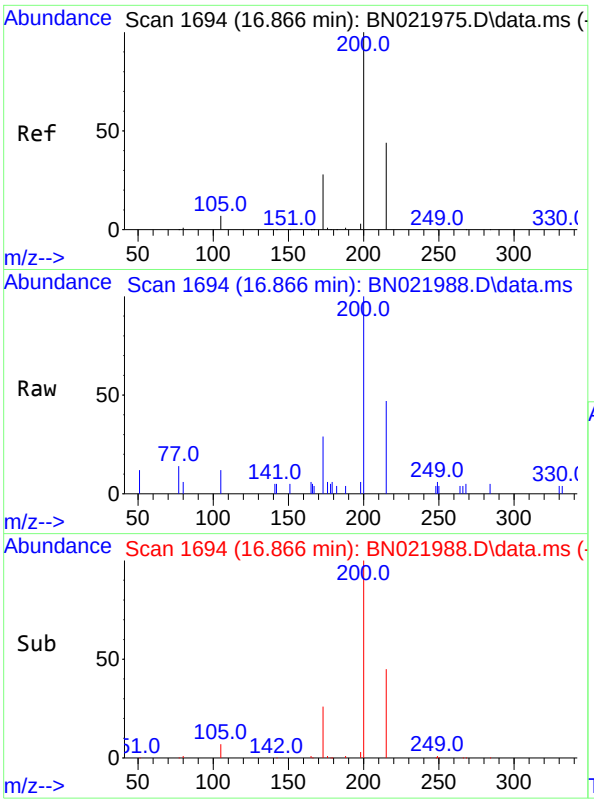


#22
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.705 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:284 Resp: 3605

Ion	Ratio	Lower	Upper
284	100		
142	41.4	33.4	50.0
249	31.7	25.1	37.7



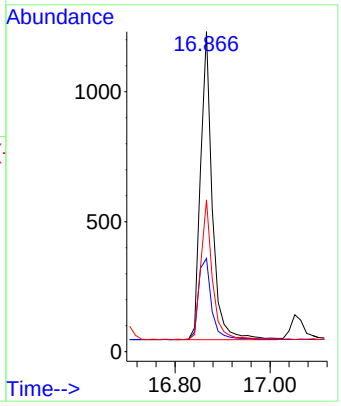


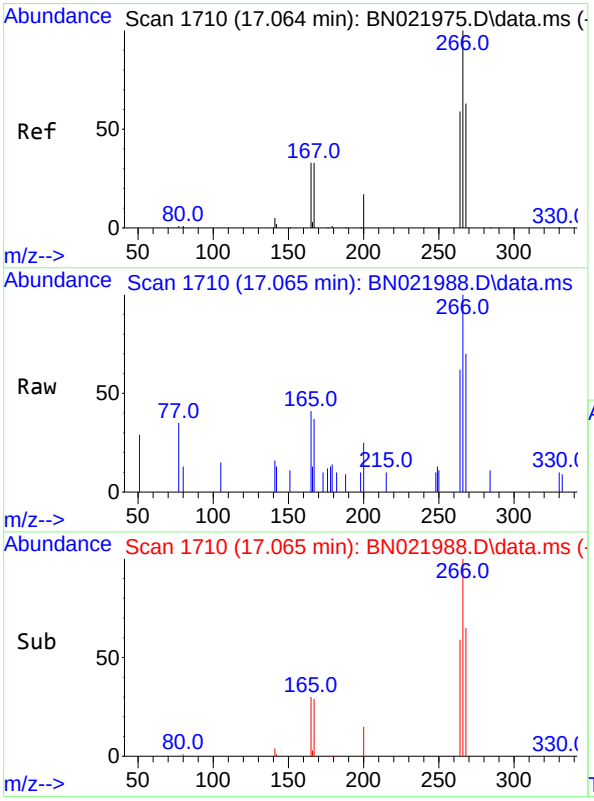
#23
Atrazine
Concen: 0.377 ng
RT: 16.866 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:200 Resp: 2029

Ion	Ratio	Lower	Upper
200	100		
173	29.2	24.6	36.8
215	47.4	37.1	55.7

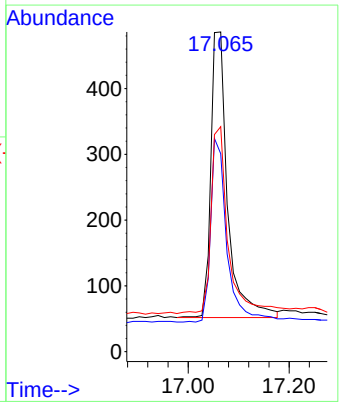


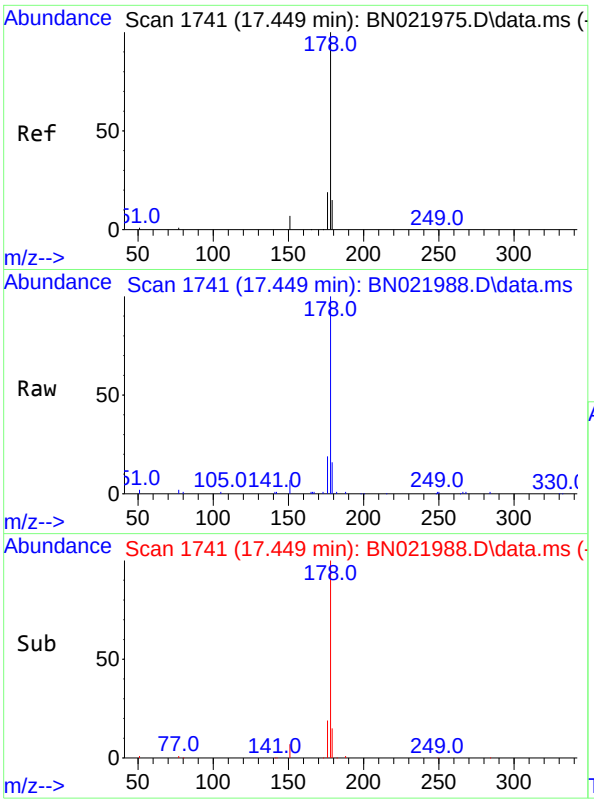


#24
Pentachlorophenol
Concen: 0.362 ng
RT: 17.065 min Scan# 1710
Delta R.T. 0.001 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:266 Resp: 1002

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.8	74.6
268	67.2	49.6	74.4



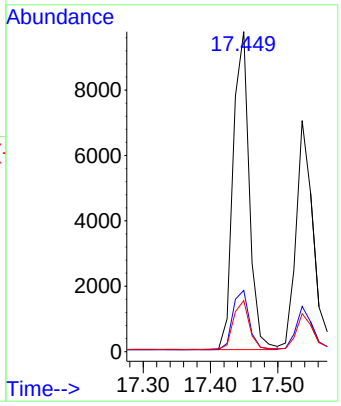


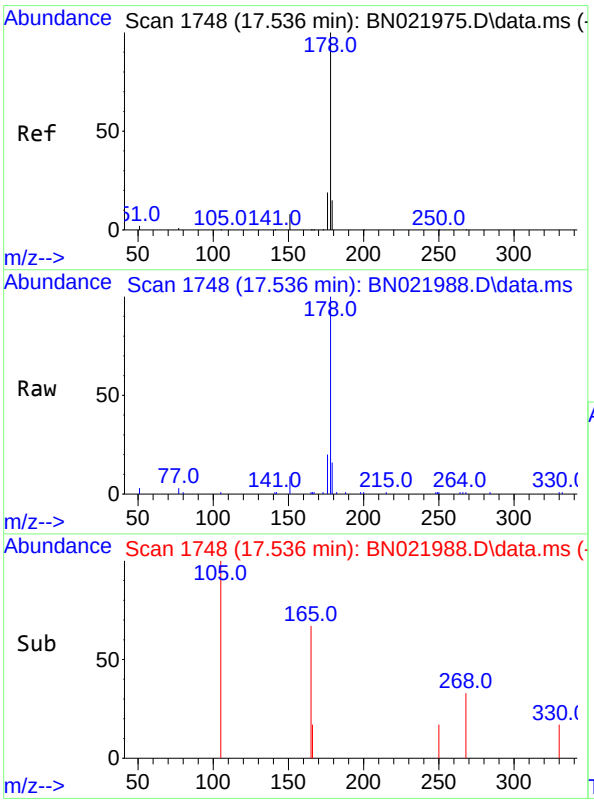
#25
Phenanthrene
Concen: 0.397 ng
RT: 17.449 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:178 Resp: 16221

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.2	18.2

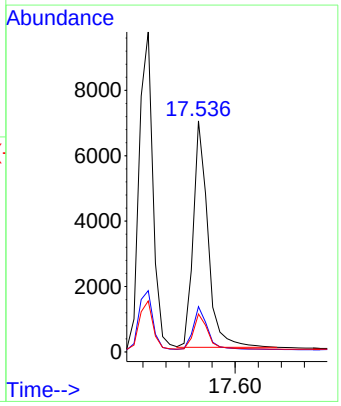


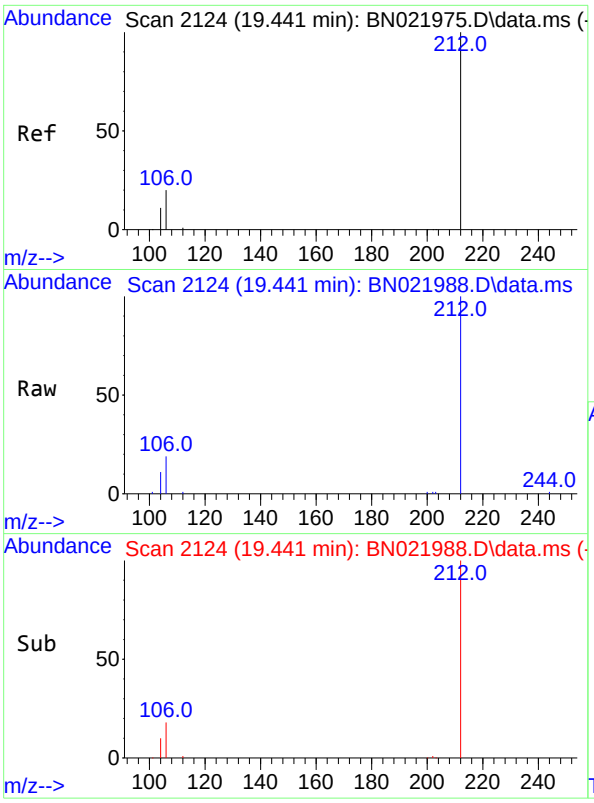


#26
Anthracene
Concen: 0.374 ng
RT: 17.536 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:178 Resp: 12279

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.3	12.2	18.2



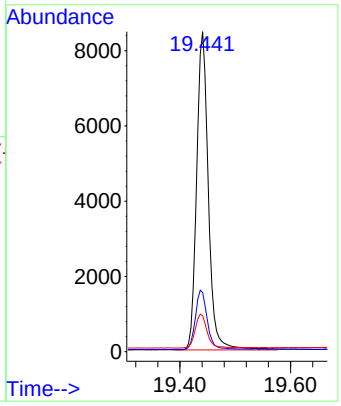


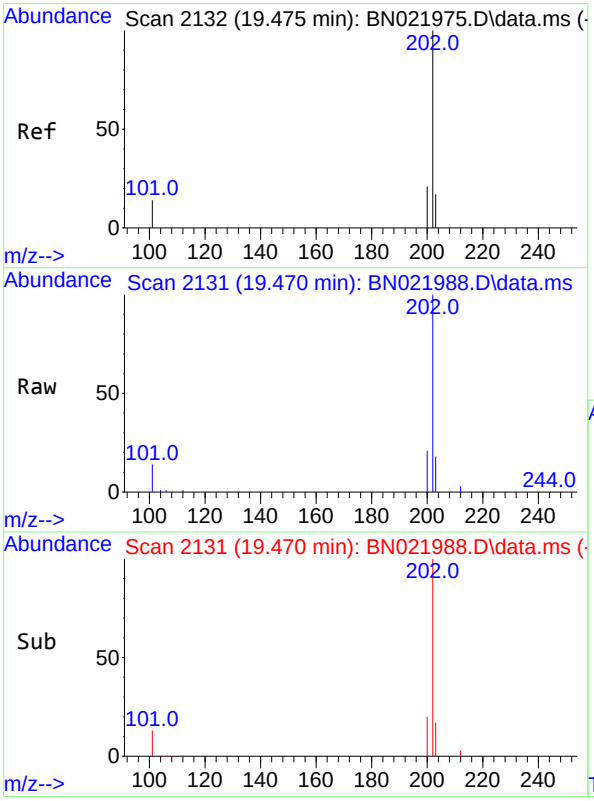
#27
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.441 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:212 Resp: 12419

Ion	Ratio	Lower	Upper
212	100		
106	18.9	15.2	22.8
104	10.7	8.6	13.0

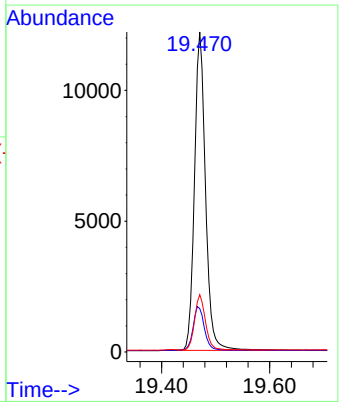


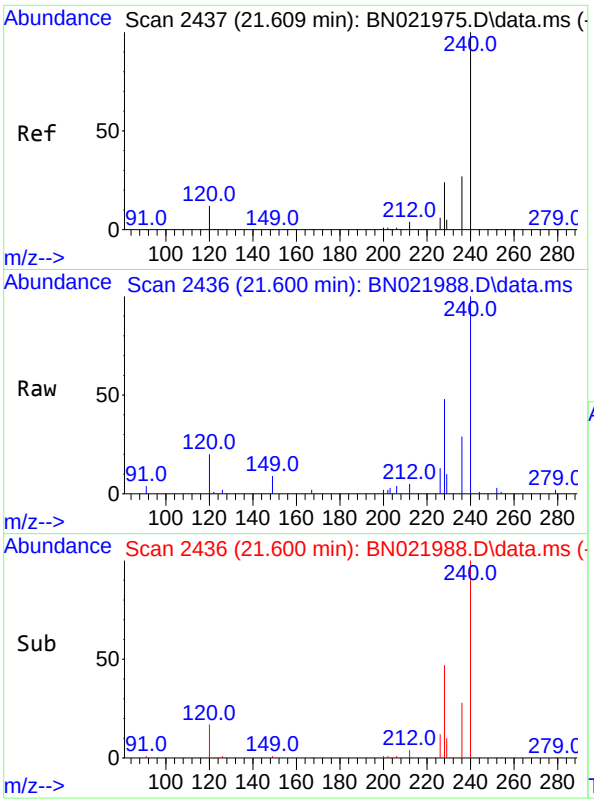


#28
Fluoranthene
Concen: 0.393 ng
RT: 19.470 min Scan# 2131
Delta R.T. -0.004 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:202 Resp: 17223

Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.4	17.0
203	17.1	13.5	20.3



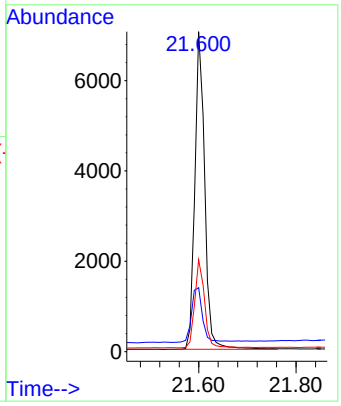


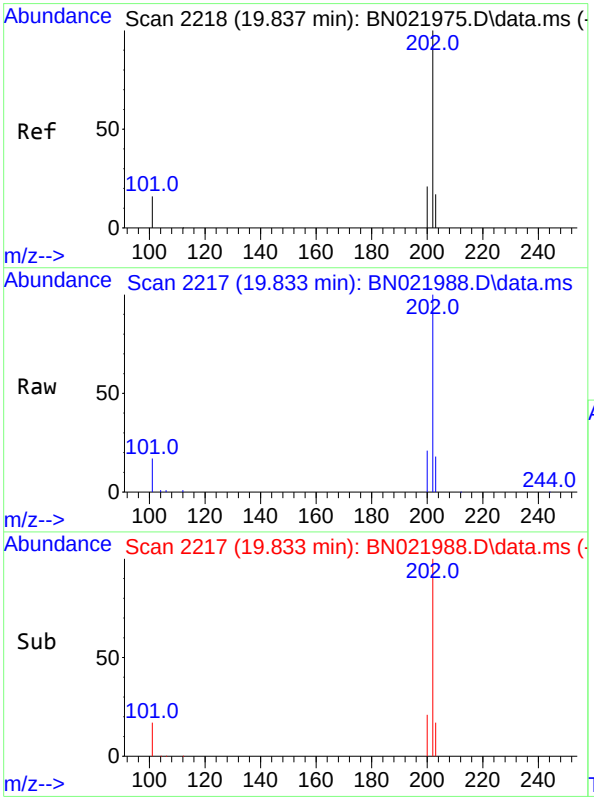
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.600 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:240 Resp: 9868

Ion	Ratio	Lower	Upper
240	100		
120	20.0	11.8	17.6#
236	28.7	22.4	33.6

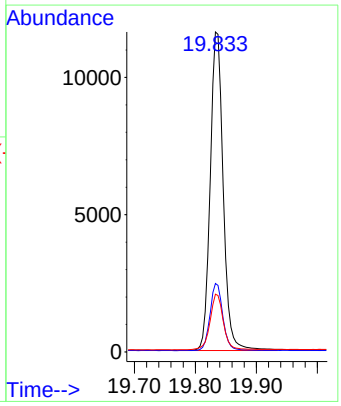


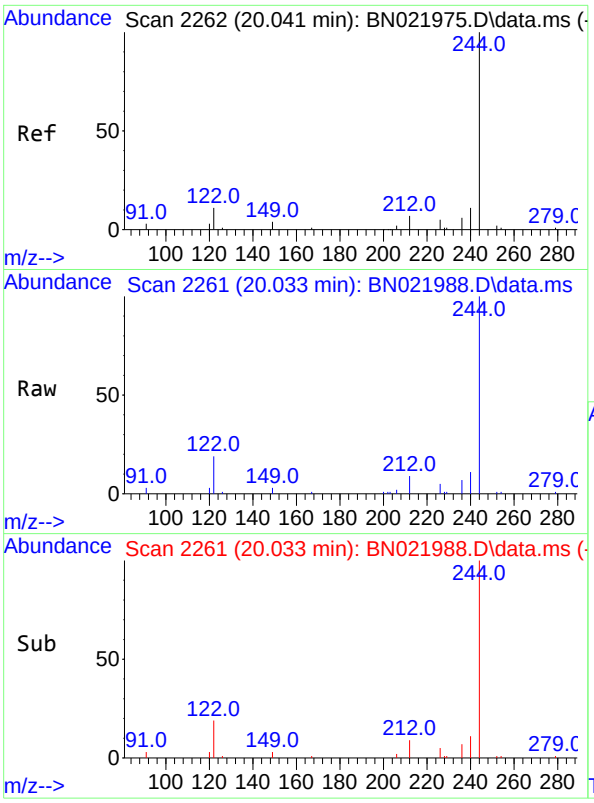


#30
Pyrene
Concen: 0.397 ng
RT: 19.833 min Scan# 2217
Delta R.T. -0.004 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:202 Resp: 17209

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.8	14.1	21.1



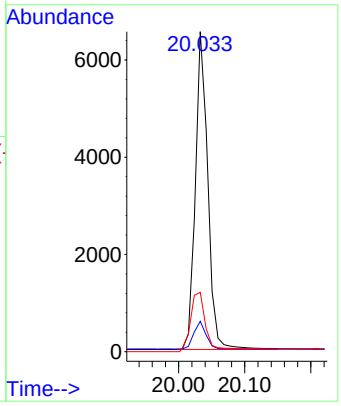


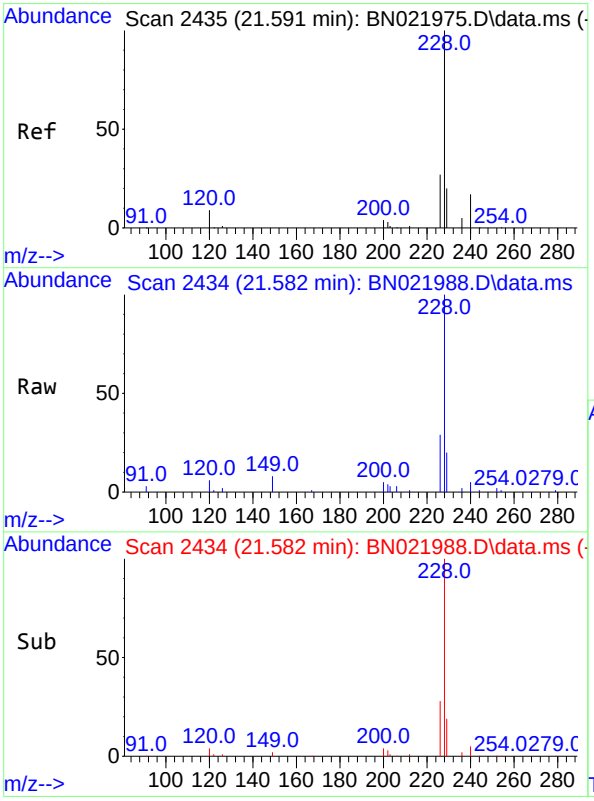
#31
Terphenyl-d14
Concen: 0.406 ng
RT: 20.033 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:244 Resp: 8046

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.5	9.7
122	18.6	9.1	13.7#

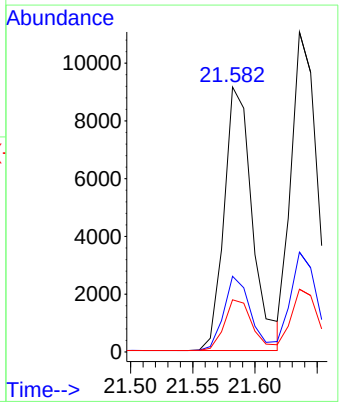


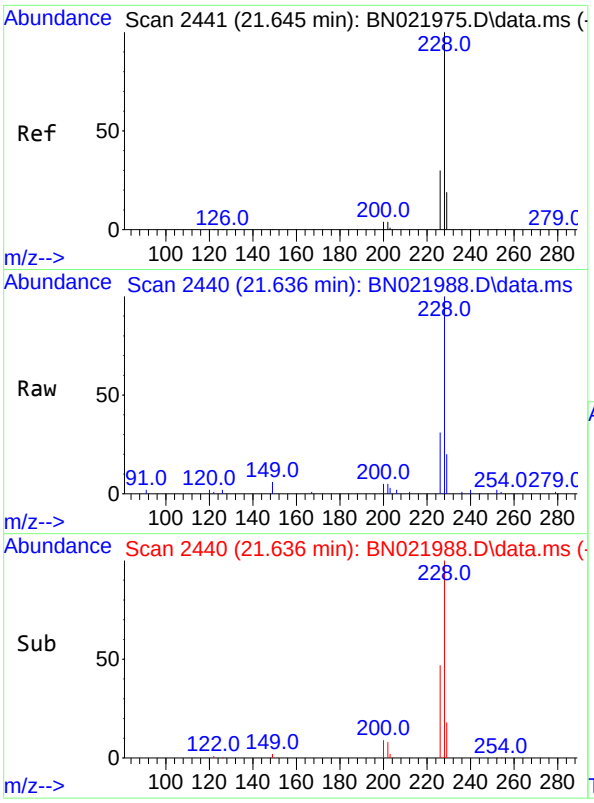


#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.582 min Scan# 2434
Delta R.T. -0.009 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:228 Resp: 14452

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.4
229	19.7	16.2	24.2



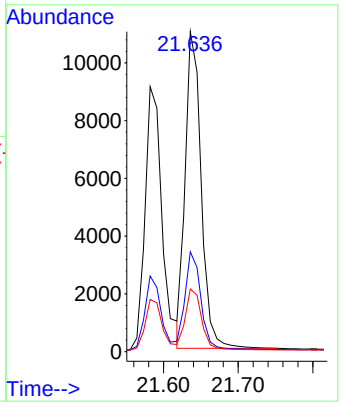


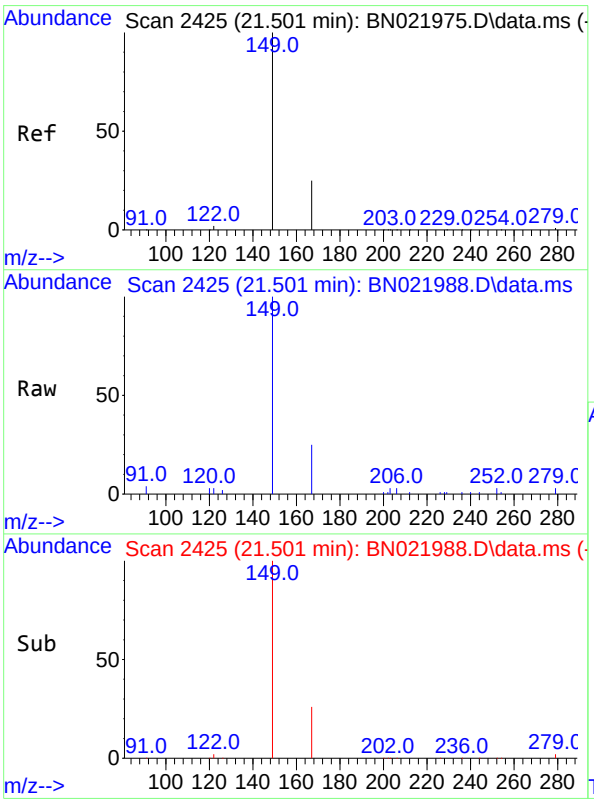
#33
Chrysene
Concen: 0.396 ng
RT: 21.636 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:228 Resp: 16314

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	19.6	15.8	23.6

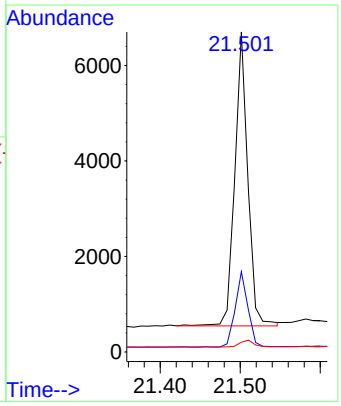


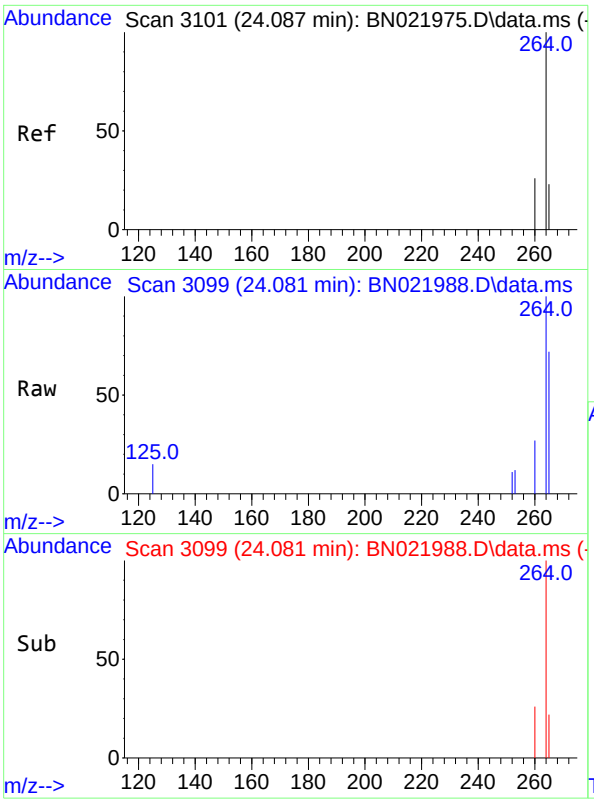


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.390 ng
RT: 21.501 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:149 Resp: 6950

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.2	30.4
279	2.5	2.3	3.5



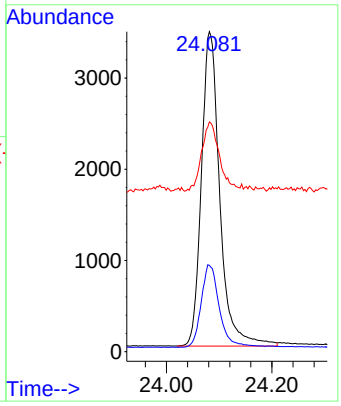


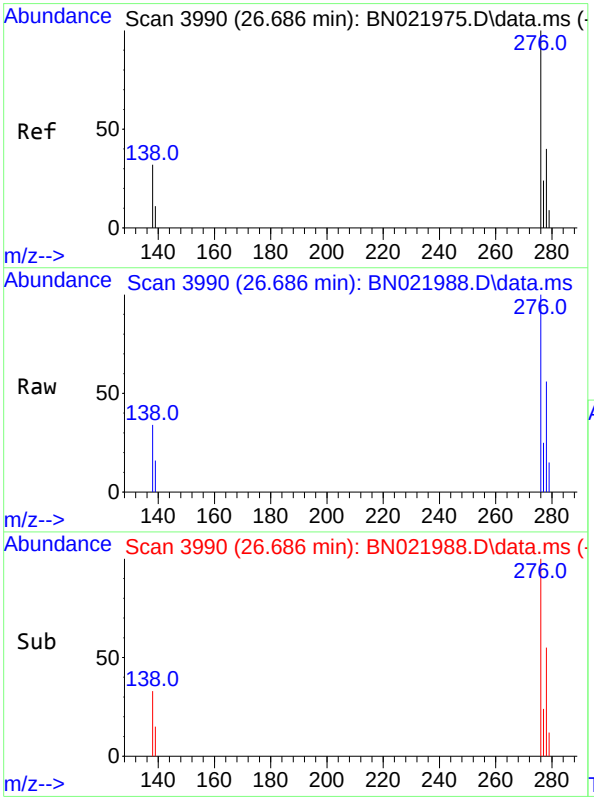
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:264 Resp: 8311

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.3	31.9
265	71.8	63.0	94.4

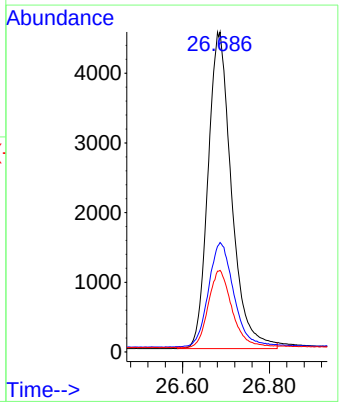


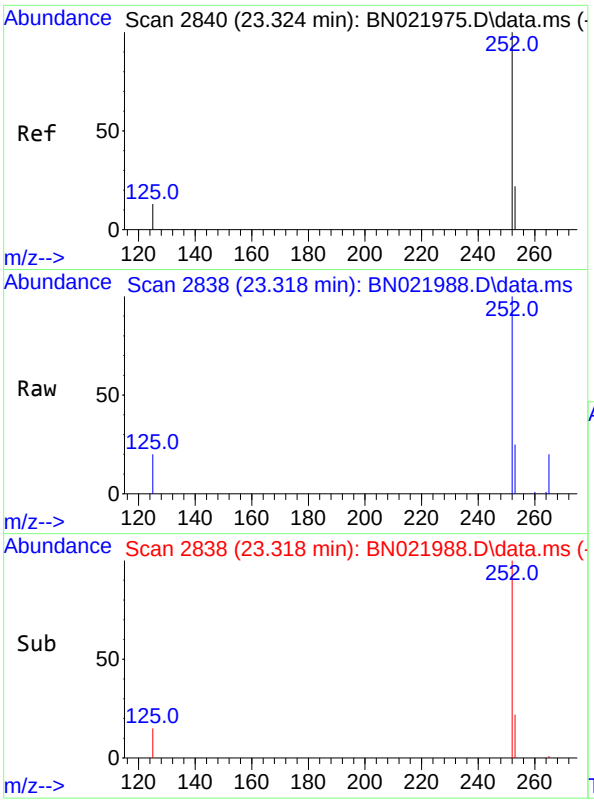


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.407 ng
RT: 26.686 min Scan# 3990
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:276 Resp: 17082

Ion	Ratio	Lower	Upper
276	100		
138	35.5	28.0	42.0
277	24.7	19.8	29.8



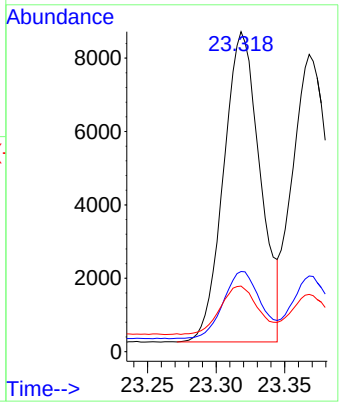


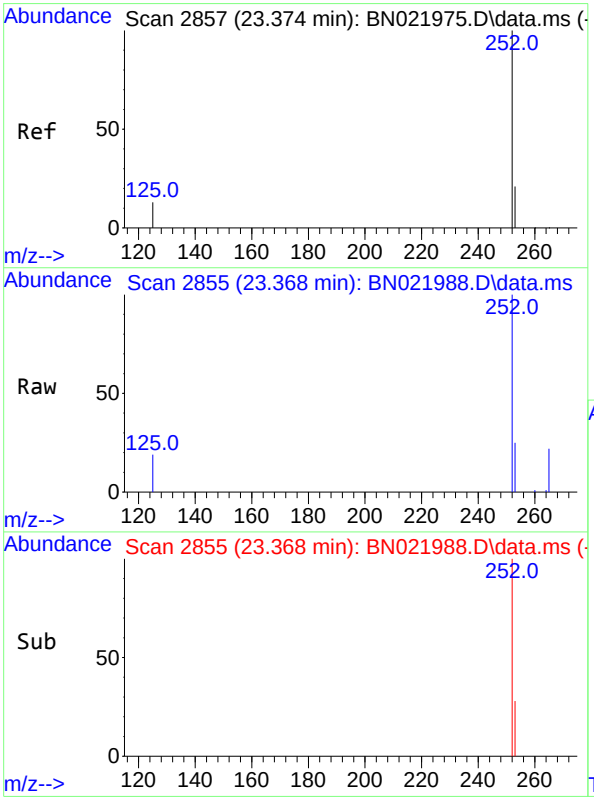
#37
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 23.318 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:252 Resp: 15681

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.6	31.0
125	20.5	15.6	23.4

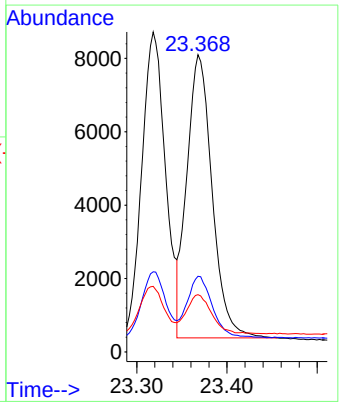


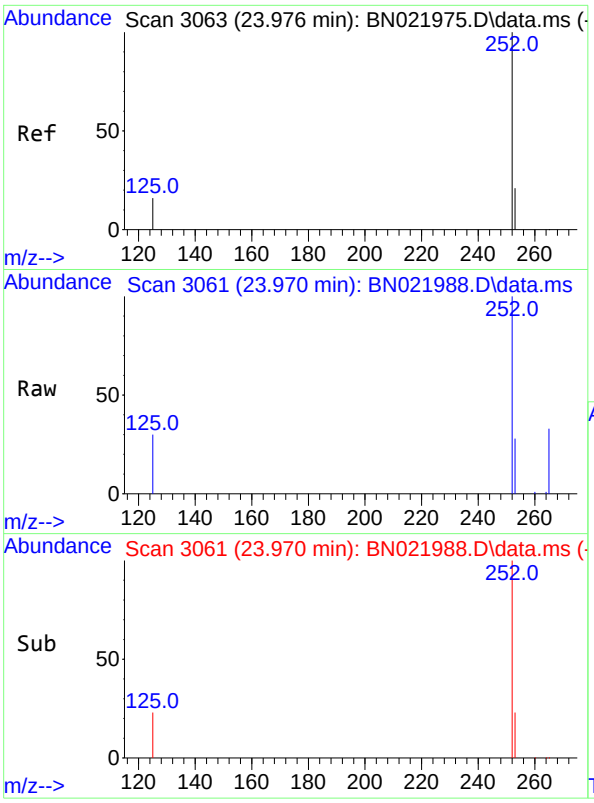


#38
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 23.368 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:252 Resp: 15026

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.4	30.6
125	19.3	15.8	23.6



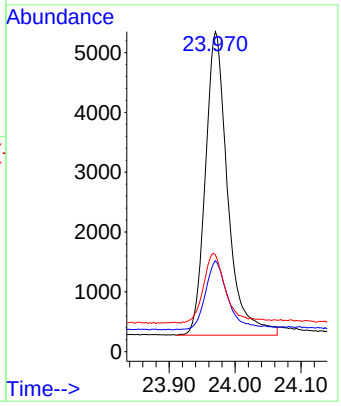


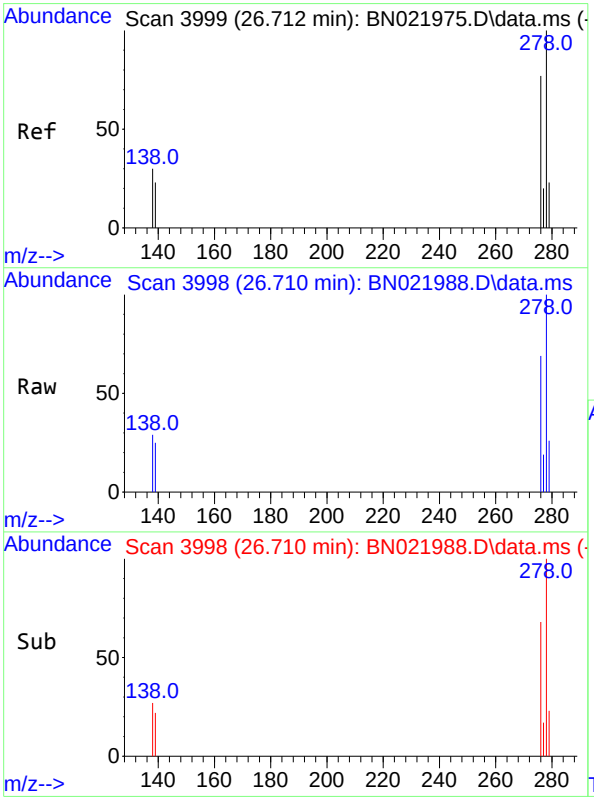
#39
Benzo(a)pyrene
Concen: 0.397 ng
RT: 23.970 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:252 Resp: 11938

Ion	Ratio	Lower	Upper
252	100		
253	28.4	23.2	34.8
125	30.3	21.1	31.7

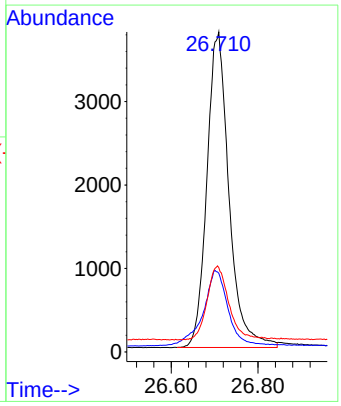


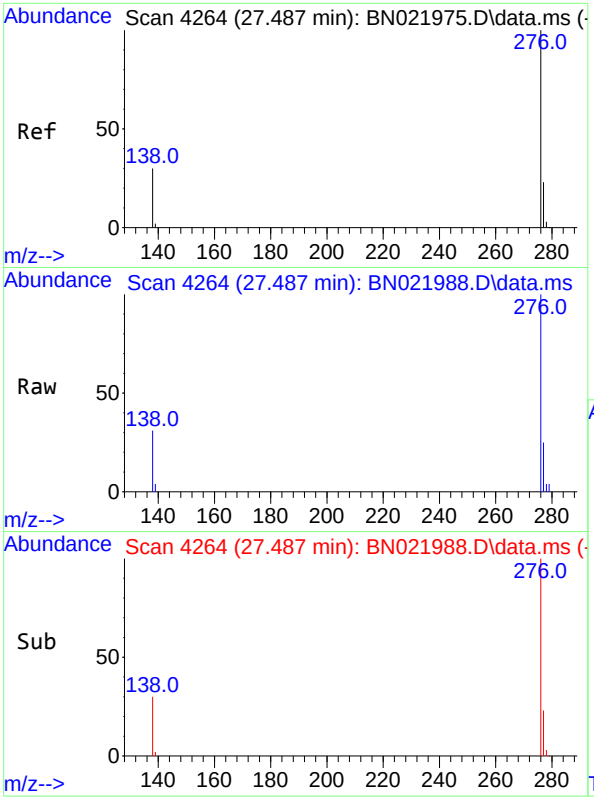


#40
Dibenzo(a,h)anthracene
Concen: 0.398 ng
RT: 26.710 min Scan# 3998
Delta R.T. -0.003 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Tgt Ion:278 Resp: 13343

Ion	Ratio	Lower	Upper
278	100		
139	24.6	19.9	29.9
279	26.3	21.9	32.9





#41
Benzo(g,h,i)perylene
Concen: 0.378 ng
RT: 27.487 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN021988.D
Acq: 03 Oct 2022 22:57

Instrument :
BNA_N
ClientSampleId :
PB148037BS

Tgt Ion:276 Resp: 13678

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.0	30.0
138	31.3	25.2	37.8