Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010722\
Data File : BN018371.D
Acq On : 07 Jan 2022 17:38
Operator : CG/JU
Sample : PB141692BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Quant Time: Jan 07 22:30:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN010722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 07 14:23:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.615	152	27832	0.400	ng		0.00
7) Naphthalene-d8	10.381	136	126531	0.400	ng		#-0.03
13) Acenaphthene-d10	14.243	164	61530	0.400	ng		-0.01
19) Phenanthrene-d10	16.981	188	104074	0.400	ng		#-0.01
29) Chrysene-d12	21.185	240	91222	0.400	ng		0.00
35) Perylene-d12	23.406	264	91045	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.217	112	25619	0.374	ng		-0.02
5) Phenol-d6	6.803	99	26062	0.380	ng		0.00
8) Nitrobenzene-d5	8.759	82	25924	0.395	ng		-0.01
11) 2-Methylnaphthalene-d10	11.985	152	69948	0.353	ng		-0.01
14) 2,4,6-Tribromophenol	15.741	330	7074	0.404	ng		-0.01
15) 2-Fluorobiphenyl	12.873	172	81838	0.368	ng		-0.01
27) Fluoranthene-d10	19.023	212	101523	0.342	ng		0.00
31) Terphenyl-d14	19.634	244	73480	0.372	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.189	88	874	0.056	ng	#	48
3) n-Nitrosodimethylamine	3.484	42	10028	0.400	ng		93
6) bis(2-Chloroethyl)ether	7.043	93	27489	0.370	ng		99
9) Naphthalene	10.432	128	112405	0.350	ng		100
10) Hexachlorobutadiene	10.736	225	20726	0.347	ng	#	100
12) 2-Methylnaphthalene	12.056	142	71290	0.362	ng		98
16) Acenaphthylene	13.964	152	81273	0.333	ng		100
17) Acenaphthene	14.307	154	59694	0.350	ng		99
18) Fluorene	15.297	166	68061	0.355	ng		99
20) 4,6-Dinitro-2-methylph...	15.398	198	612	0.278	ng	#	81
21) 4-Bromophenyl-phenylether	16.190	248	19519	0.341	ng		95
22) Hexachlorobenzene	16.300	284	26291	0.345	ng	#	91
23) Atrazine	16.458	200	11882	0.336	ng	#	90
24) Pentachlorophenol	16.653	266	4560	0.480	ng		98
25) Phenanthrene	17.030	178	102212	0.349	ng		100
26) Anthracene	17.115	178	79986	0.331	ng		100
28) Fluoranthene	19.053	202	110159	0.355	ng	#	96
30) Pyrene	19.415	202	108847	0.337	ng		100
32) Benzo(a)anthracene	21.164	228	90867	0.338	ng		99
33) Chrysene	21.217	228	107438	0.352	ng		99
34) Bis(2-ethylhexyl)phtha...	21.111	149	41544	0.383	ng	#	94
36) Indeno(1,2,3-cd)pyrene	25.662	276	107480	0.371	ng	#	90
37) Benzo(b)fluoranthene	22.735	252	102083	0.346	ng	#	96
38) Benzo(k)fluoranthene	22.779	252	104381	0.362	ng	#	96
39) Benzo(a)pyrene	23.307	252	94286	0.346	ng	#	96
40) Dibenzo(a,h)anthracene	25.679	278	82287	0.364	ng	#	94
41) Benzo(g,h,i)perylene	26.346	276	92940	0.351	ng	#	92

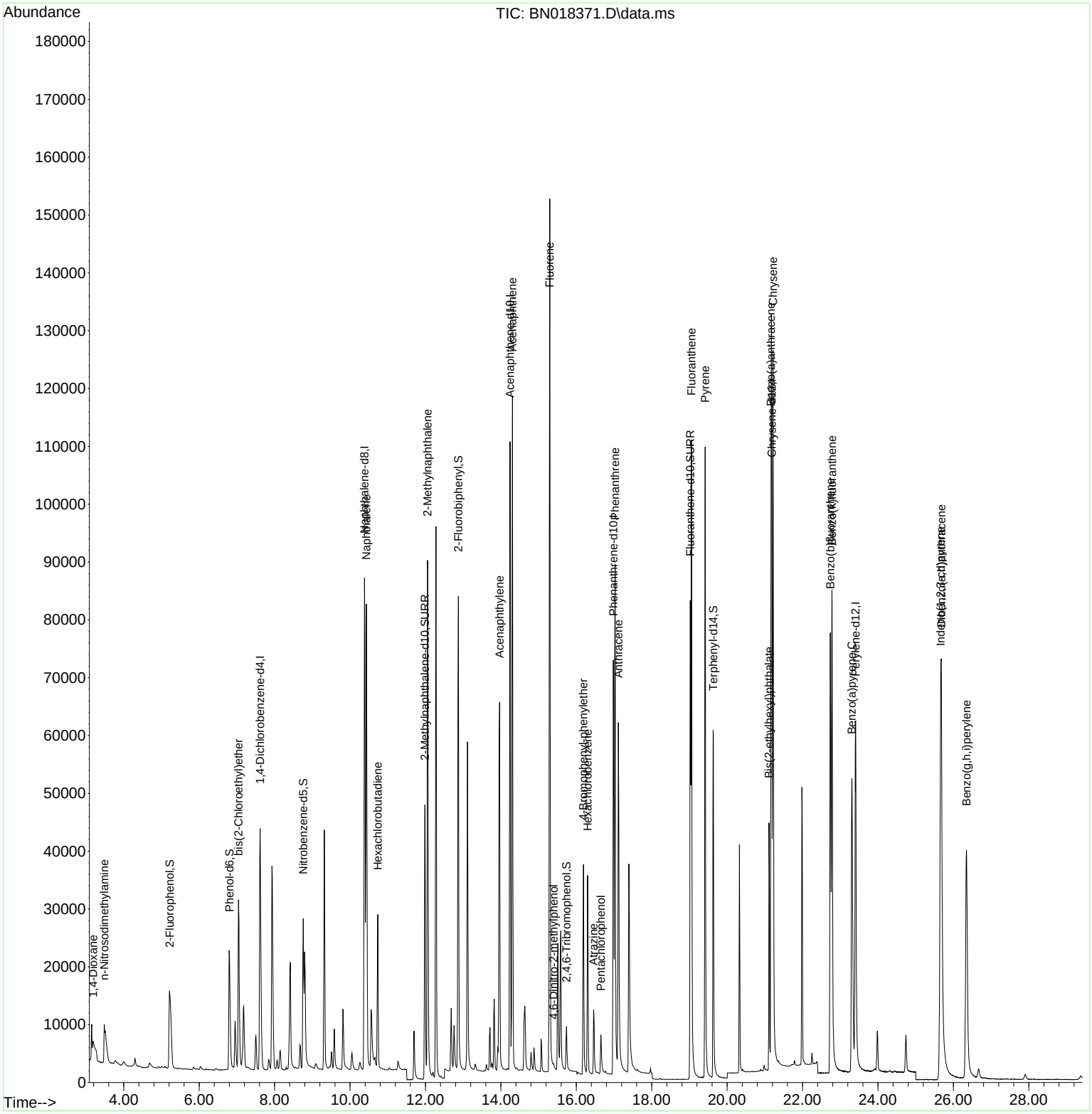
(#) = qualifier out of range (m) = manual integration (+) = signals summed

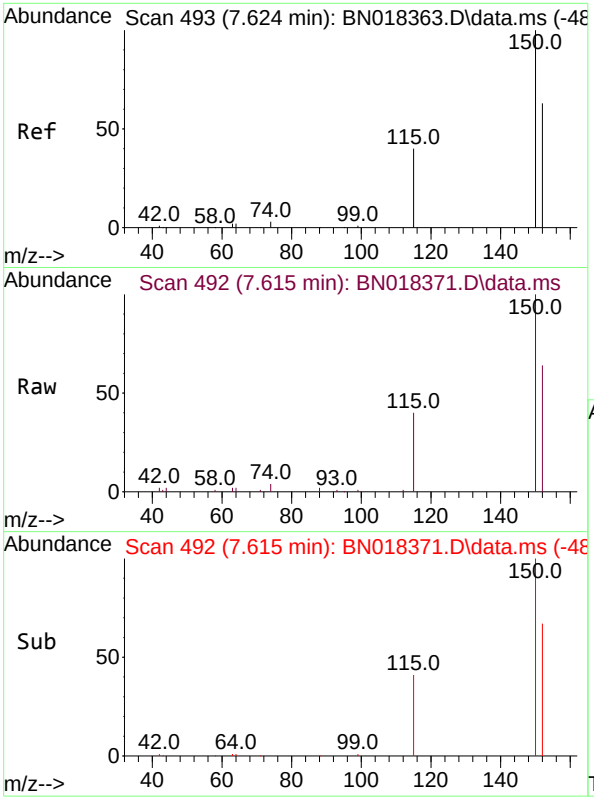
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010722\
Data File : BN018371.D
Acq On : 07 Jan 2022 17:38
Operator : CG/JU
Sample : PB141692BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Quant Time: Jan 07 22:30:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN010722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 07 14:23:23 2022
Response via : Initial Calibration



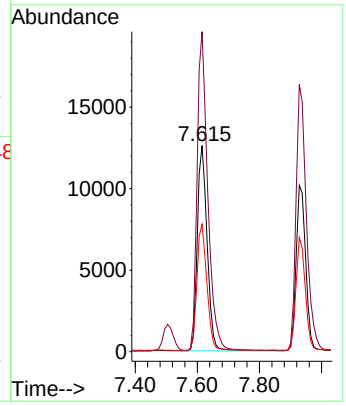


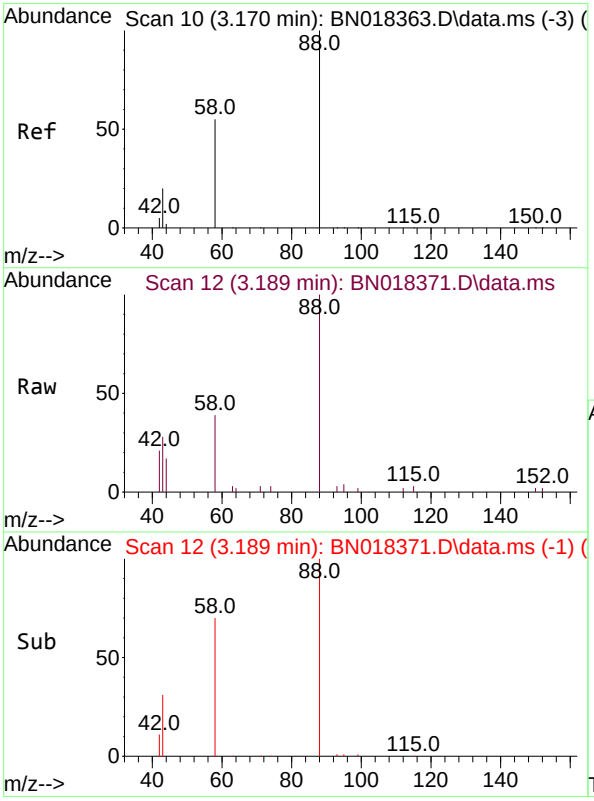
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:152 Resp: 27832

Ion	Ratio	Lower	Upper
152	100		
150	155.3	121.7	182.5
115	61.8	43.8	65.8

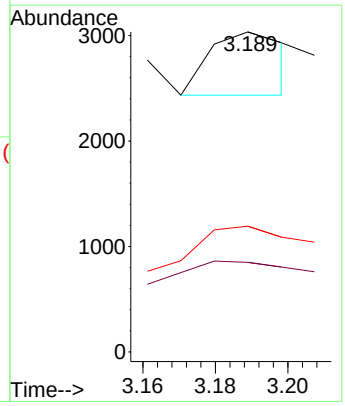


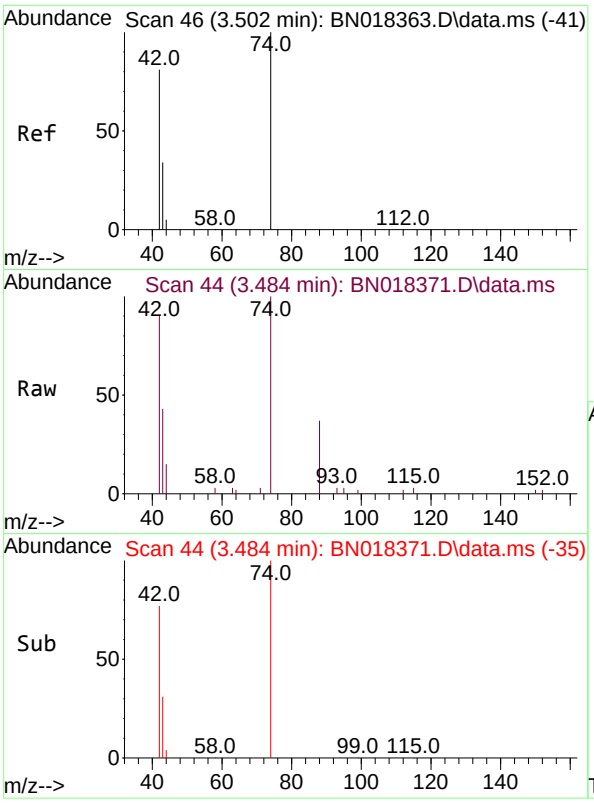


#2
1,4-Dioxane
Concen: 0.056 ng
RT: 3.189 min Scan# 12
Delta R.T. 0.019 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion: 88 Resp: 874

Ion	Ratio	Lower	Upper
88	100		
43	25.2	69.7	104.5#
58	63.3	83.8	125.8#



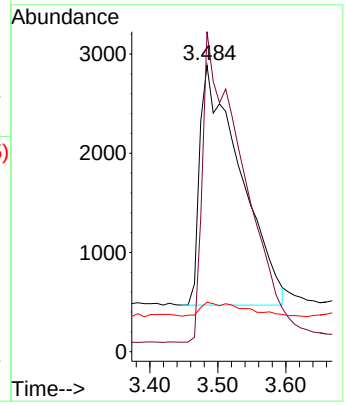


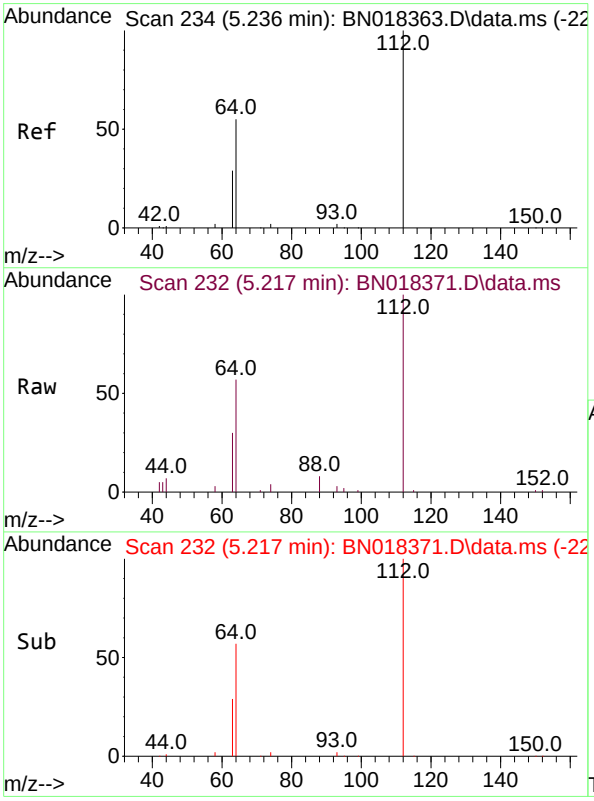
#3
n-Nitrosodimethylamine
Concen: 0.400 ng
RT: 3.484 min Scan# 44
Delta R.T. -0.018 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion: 42 Resp: 10028

Ion	Ratio	Lower	Upper
42	100		
74	127.2	108.6	163.0
44	6.1	5.8	8.8

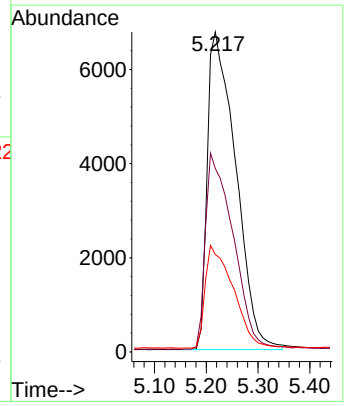


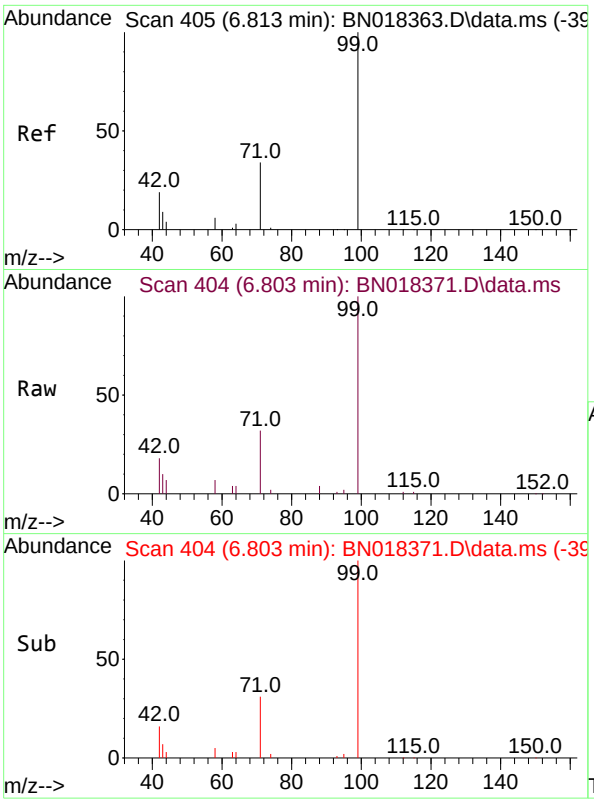


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.217 min Scan# 232
Delta R.T. -0.019 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:112 Resp: 25619

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.0	72.0
63	32.0	25.3	37.9



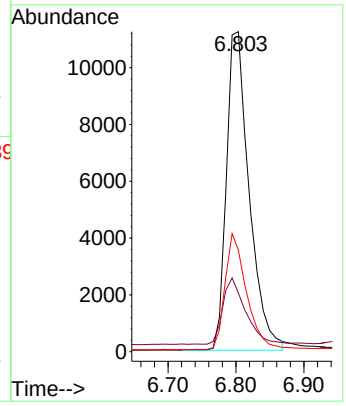


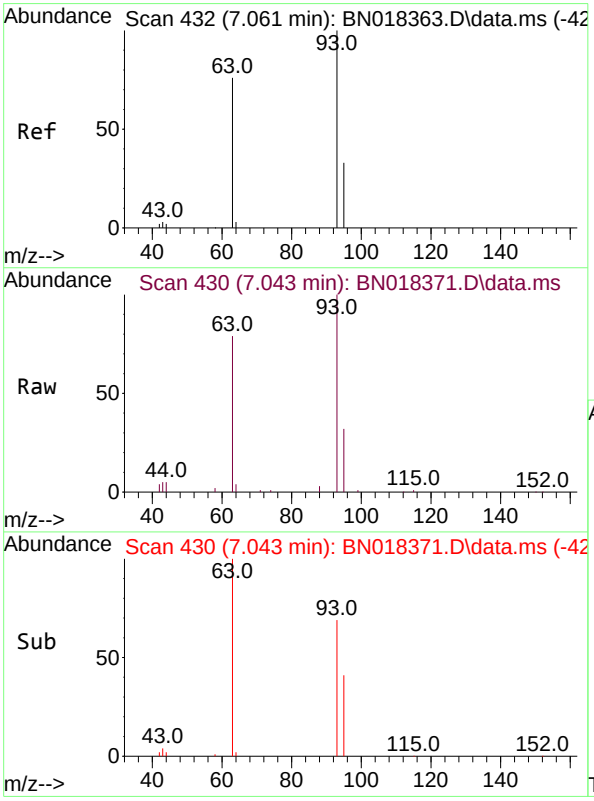
#5
Phenol-d6
Concen: 0.380 ng
RT: 6.803 min Scan# 4(
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion: 99 Resp: 26062

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.3	24.5
71	34.2	26.8	40.2

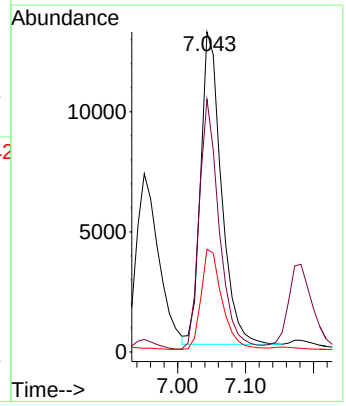


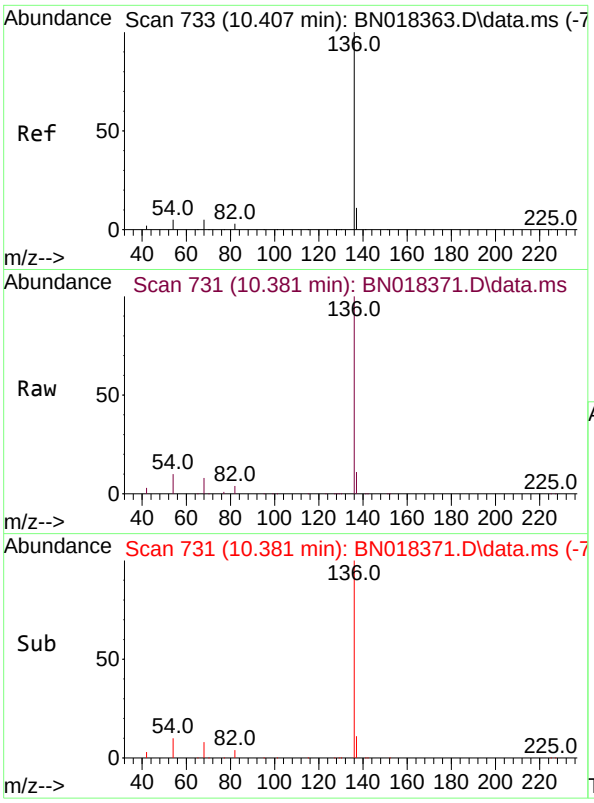


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 7.043 min Scan# 430
Delta R.T. -0.018 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion: 93 Resp: 27489

Ion	Ratio	Lower	Upper
93	100		
63	77.6	61.7	92.5
95	32.6	26.2	39.4



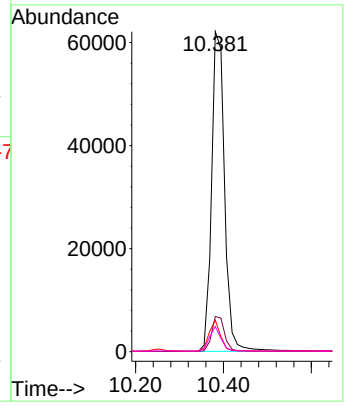


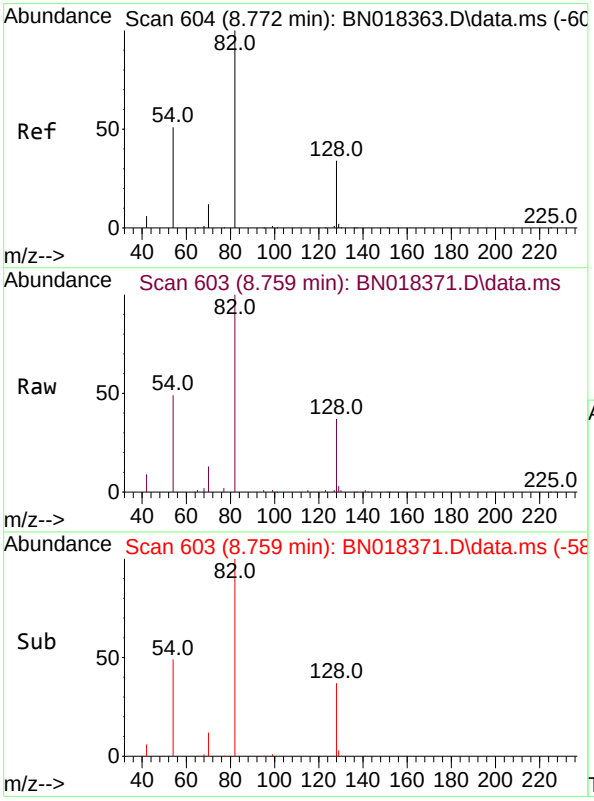
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 7
Delta R.T. -0.026 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:136 Resp: 126531

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.8	5.0	7.6#
68	7.9	4.4	6.6#

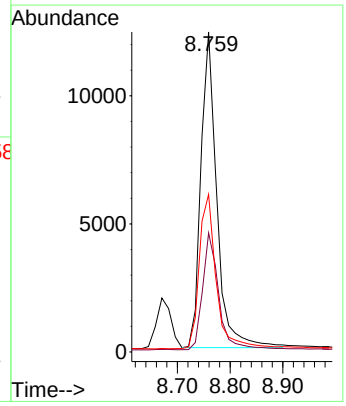


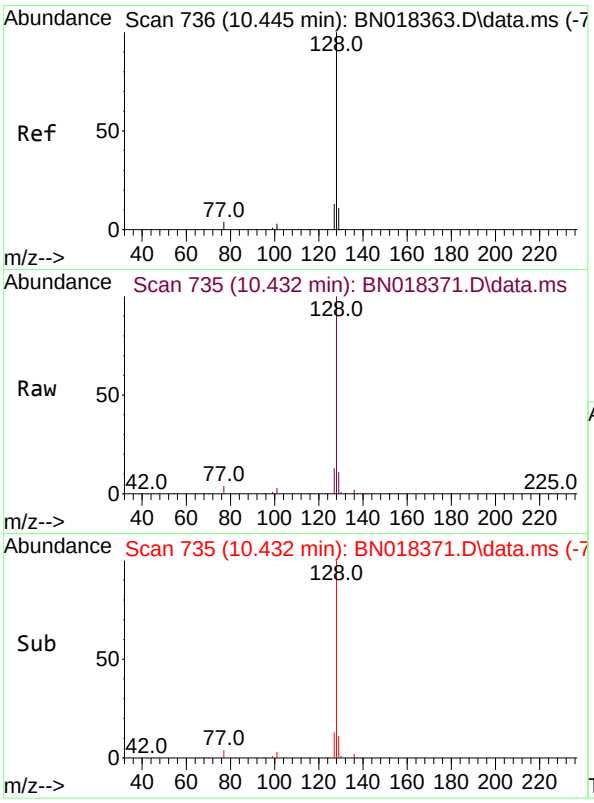


#8
Nitrobenzene-d5
Concen: 0.395 ng
RT: 8.759 min Scan# 603
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion: 82 Resp: 25924

Ion	Ratio	Lower	Upper
82	100		
128	37.2	33.7	50.5
54	49.3	36.6	55.0



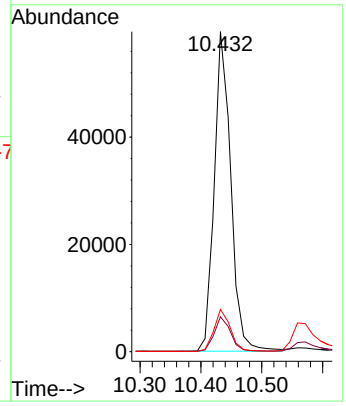


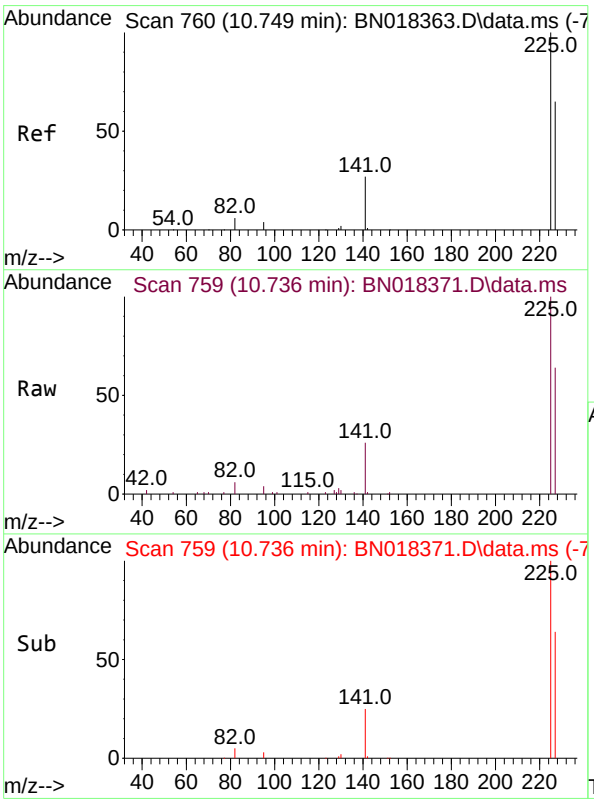
#9
Naphthalene
Concen: 0.350 ng
RT: 10.432 min Scan# 7
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:128 Resp: 112405

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.4	15.6

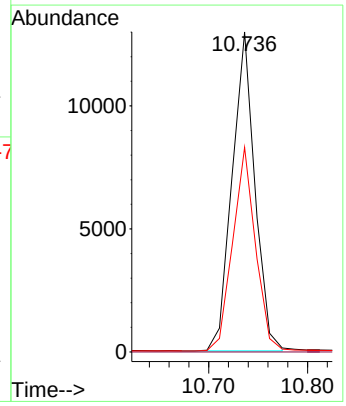


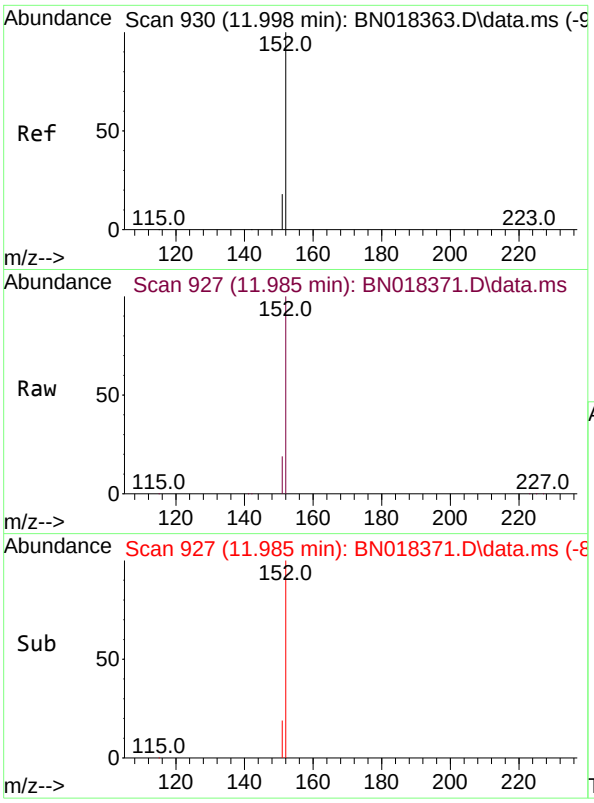


#10
Hexachlorobutadiene
Concen: 0.347 ng
RT: 10.736 min Scan# 759
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:225 Resp: 20726

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.0	76.6



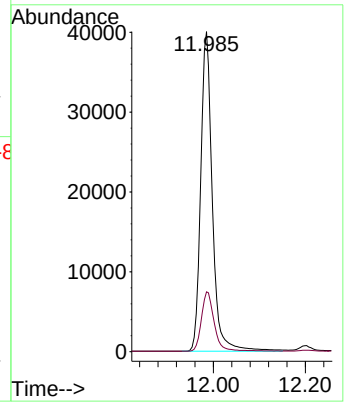


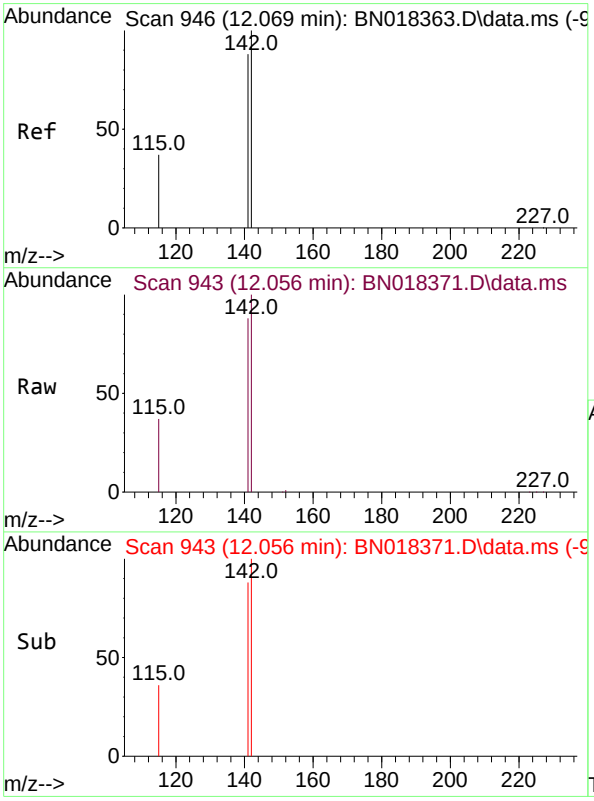
#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 11.985 min Scan# 9
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:152 Resp: 69948

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2

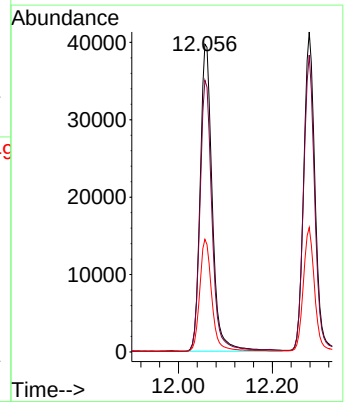


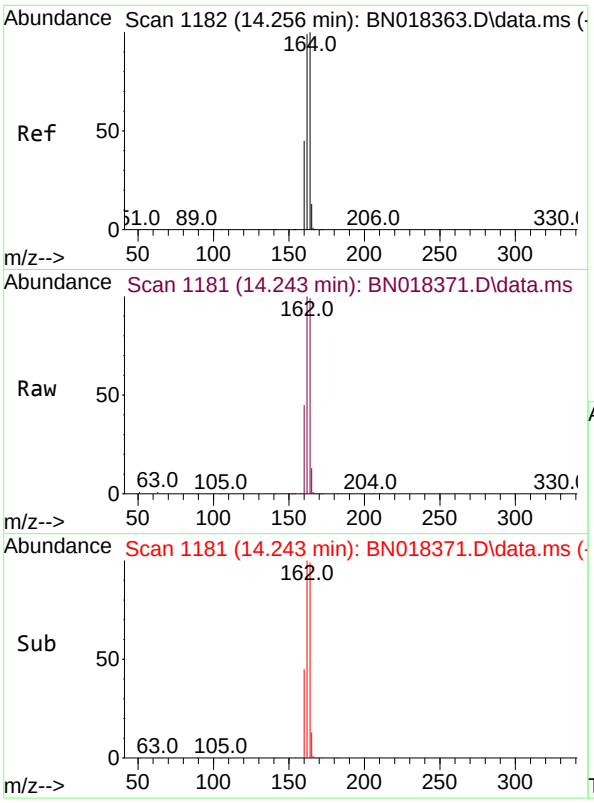


#12
2-Methylnaphthalene
Concen: 0.362 ng
RT: 12.056 min Scan# 943
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:142 Resp: 71290

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.0	105.0
115	36.6	27.8	41.8



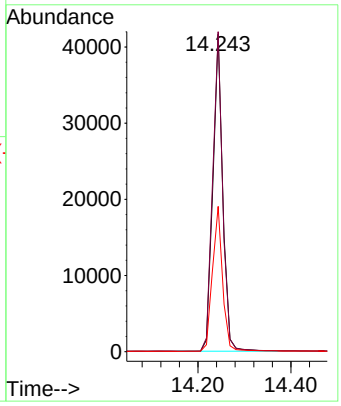


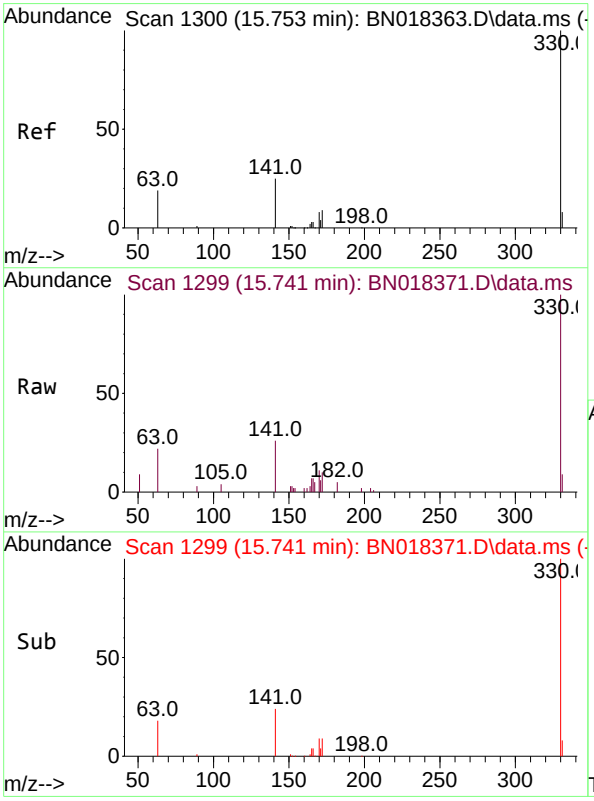
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:164 Resp: 61530

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.2
160	45.8	36.9	55.3

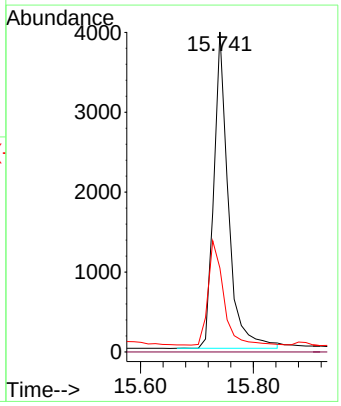


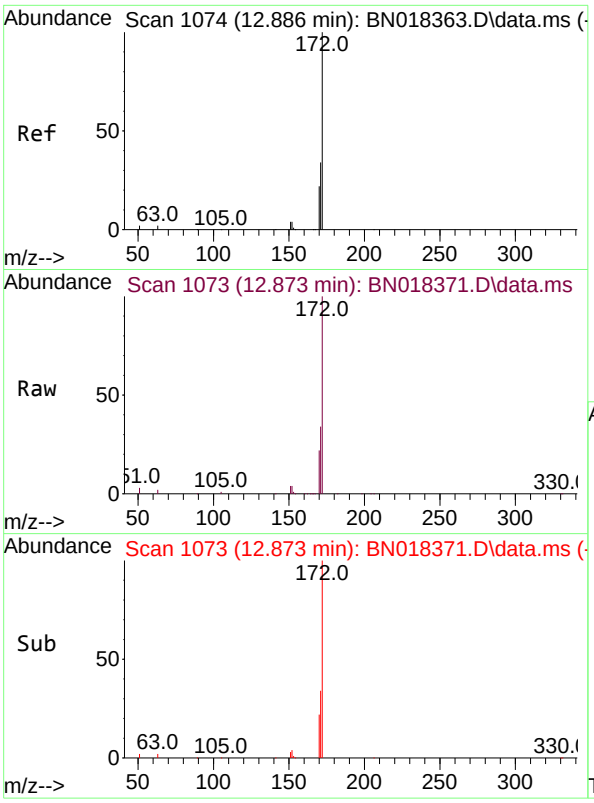


#14
2,4,6-Tribromophenol
Concen: 0.404 ng
RT: 15.741 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:330 Resp: 7074

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.8	21.3	31.9#



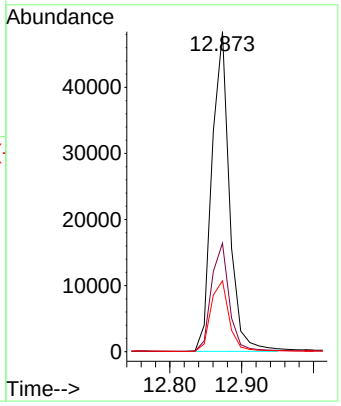


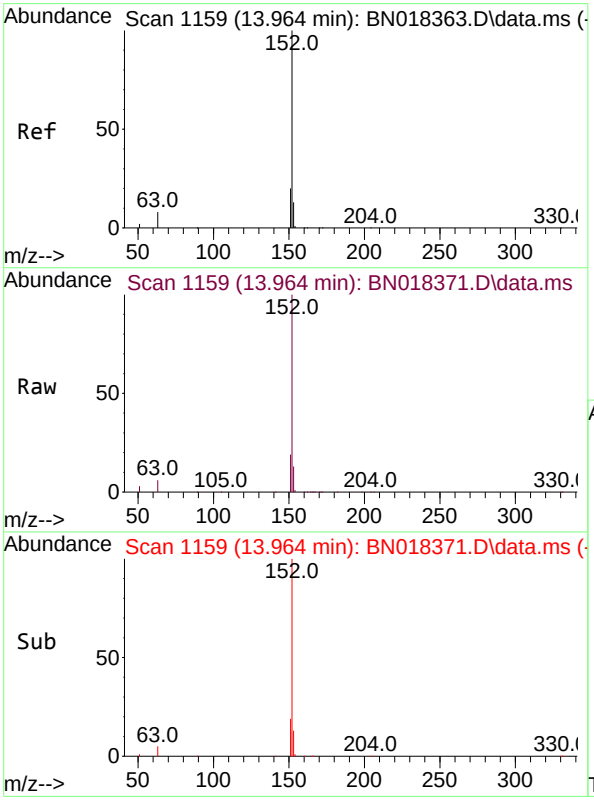
#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 12.873 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:172 Resp: 81838

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.4	41.0
170	22.2	18.4	27.6

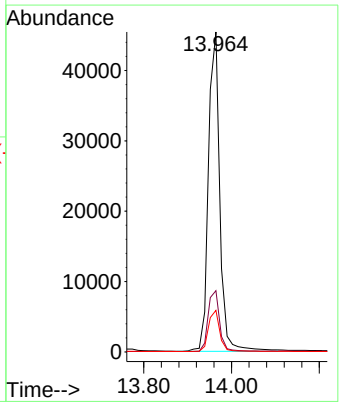


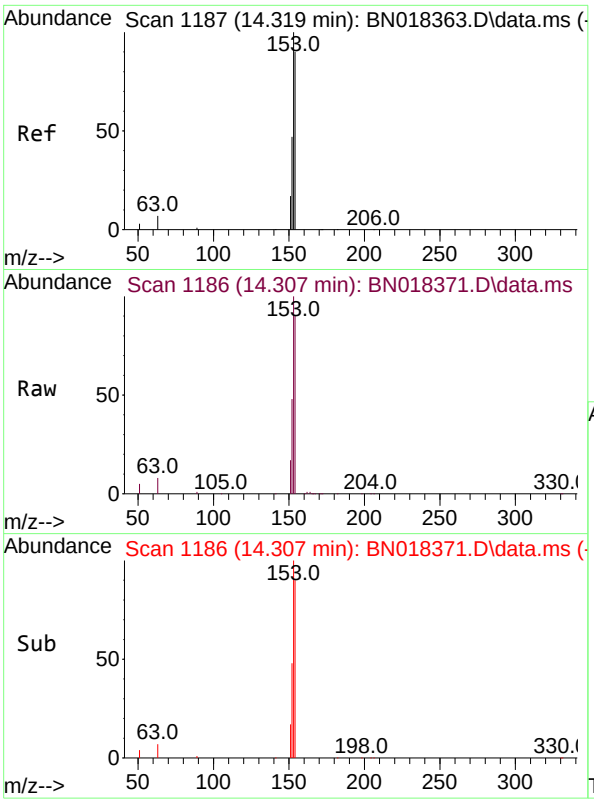


#16
Acenaphthylene
Concen: 0.333 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:152 Resp: 81273

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.5	15.7



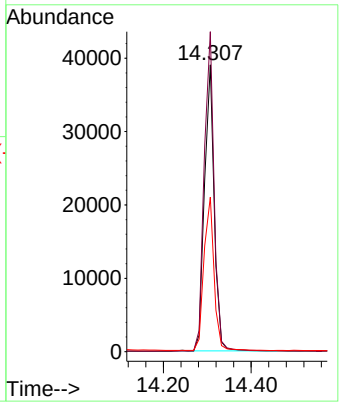


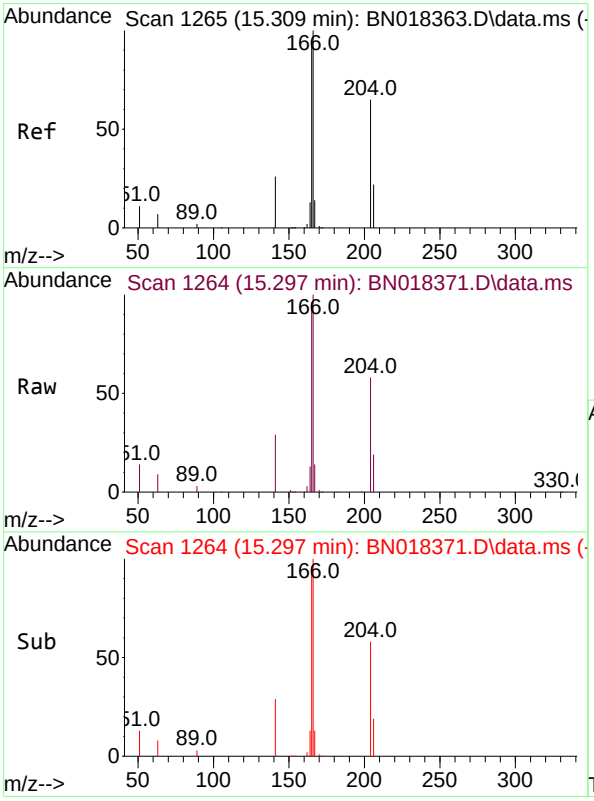
#17
Acenaphthene
Concen: 0.350 ng
RT: 14.307 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:154 Resp: 59694

Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.9	136.3
152	55.7	45.0	67.4

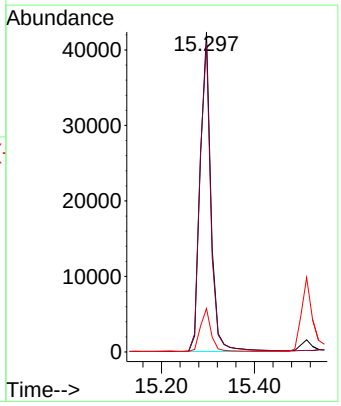


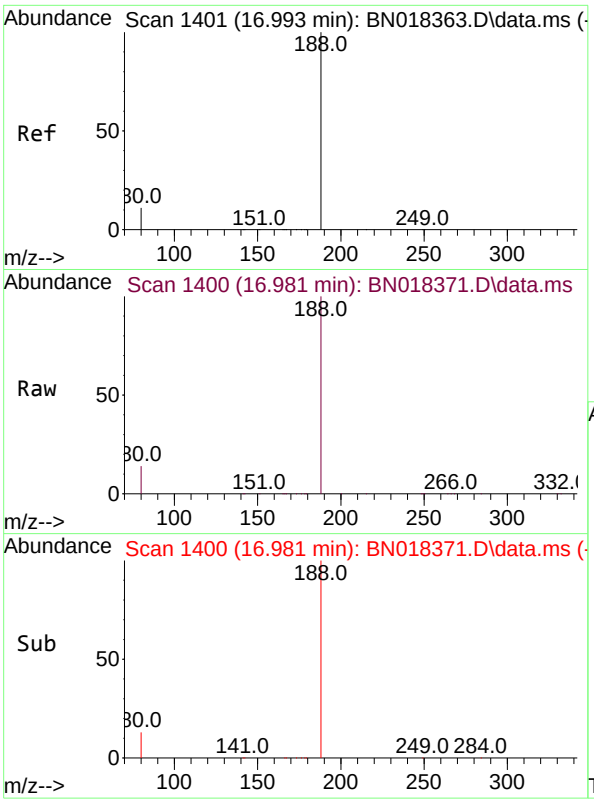


#18
Fluorene
Concen: 0.355 ng
RT: 15.297 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:166 Resp: 68061

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.6
167	13.3	10.9	16.3



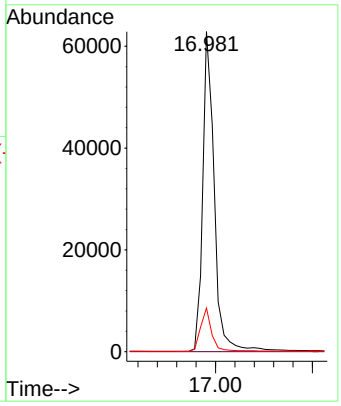


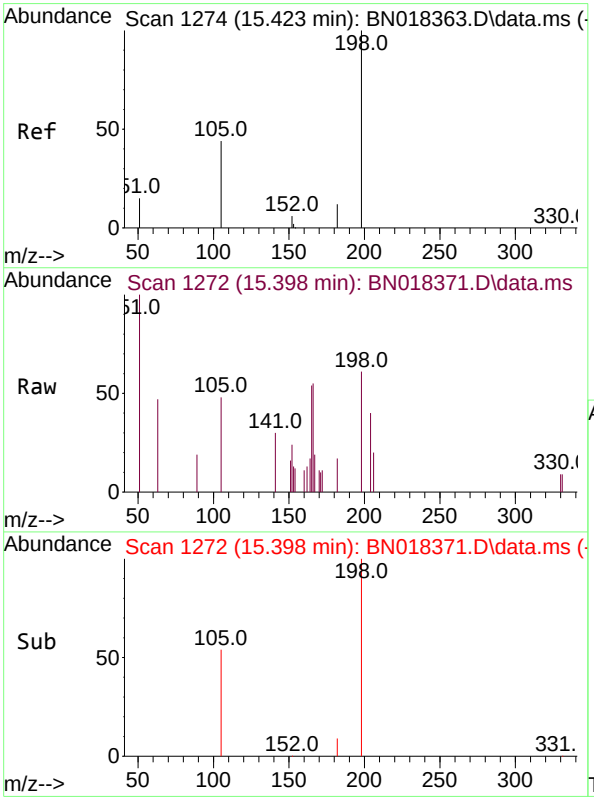
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.981 min Scan# 14
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:188 Resp: 104074

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	7.0	10.4#

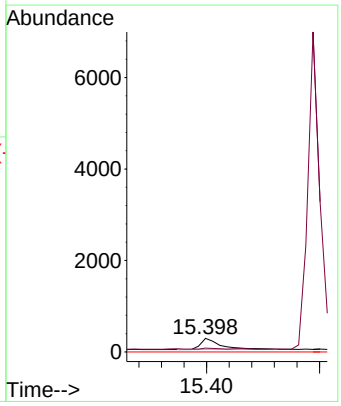


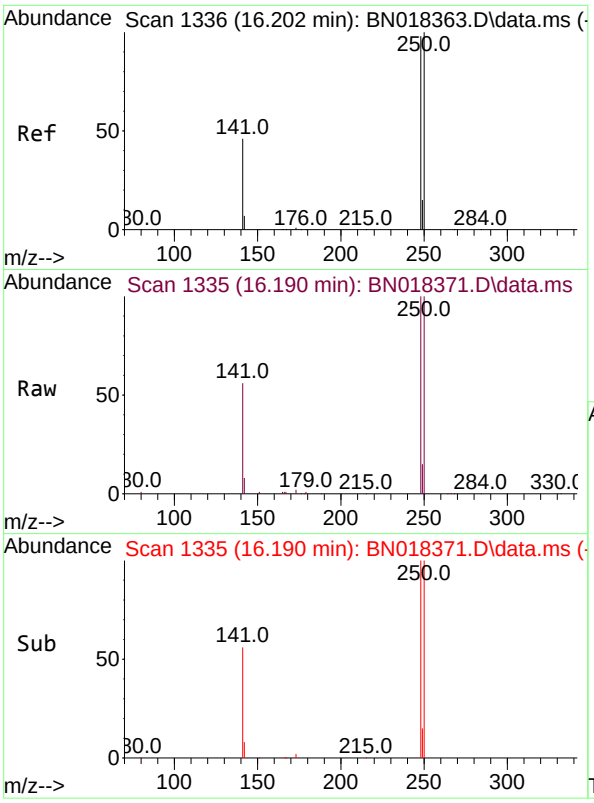


#20
4,6-Dinitro-2-methylphenol
Concen: 0.278 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.025 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:198 Resp: 612

Ion	Ratio	Lower	Upper
198	100		
182	27.9	15.5	23.3#
77	0.0	0.0	0.0



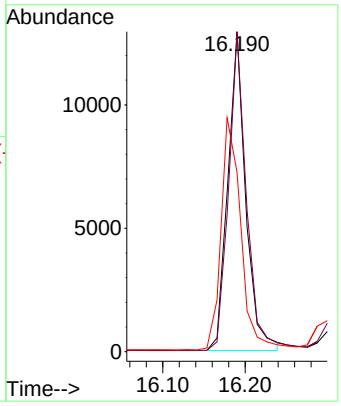


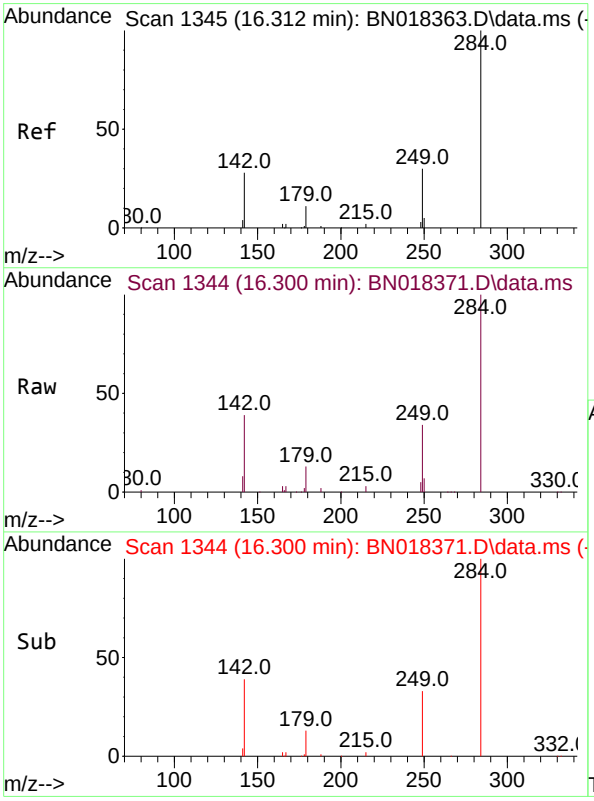
#21
4-Bromophenyl-phenylether
Concen: 0.341 ng
RT: 16.190 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:248 Resp: 19519

Ion	Ratio	Lower	Upper
248	100		
250	99.9	74.4	111.6
141	56.0	43.7	65.5

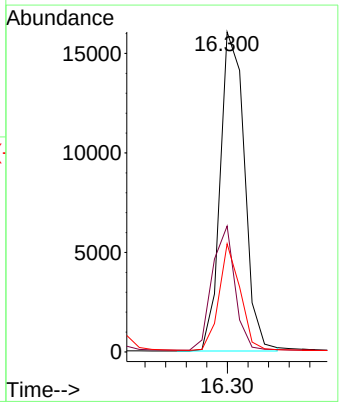


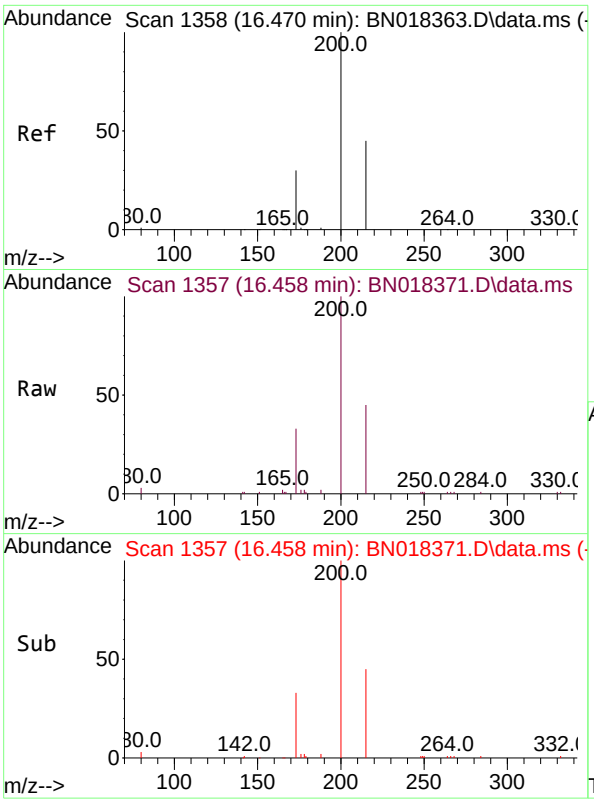


#22
Hexachlorobenzene
Concen: 0.345 ng
RT: 16.300 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:284 Resp: 26291

Ion	Ratio	Lower	Upper
284	100		
142	36.4	21.6	32.4#
249	29.1	23.5	35.3



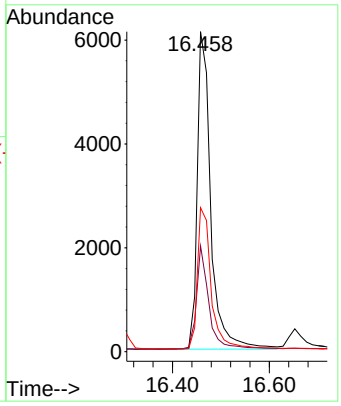


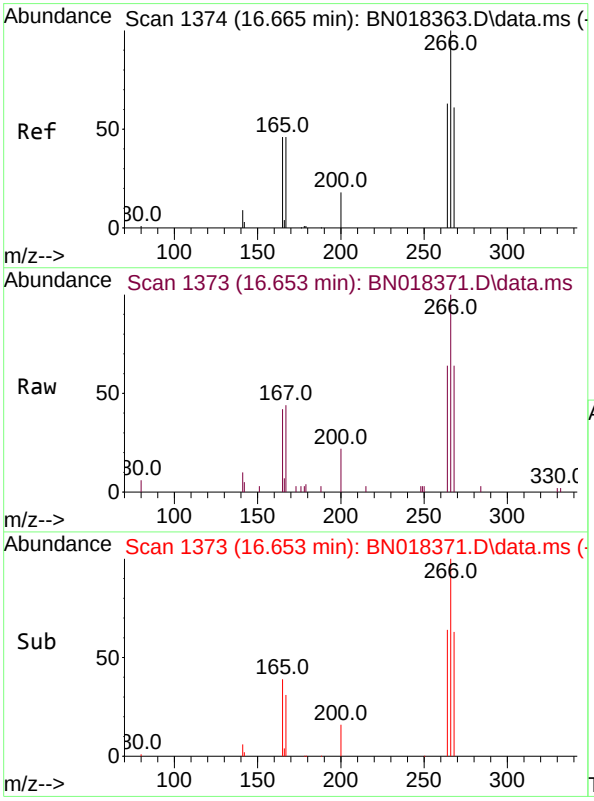
#23
Atrazine
Concen: 0.336 ng
RT: 16.458 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:200 Resp: 11882

Ion	Ratio	Lower	Upper
200	100		
173	33.1	20.3	30.5#
215	45.0	40.4	60.6

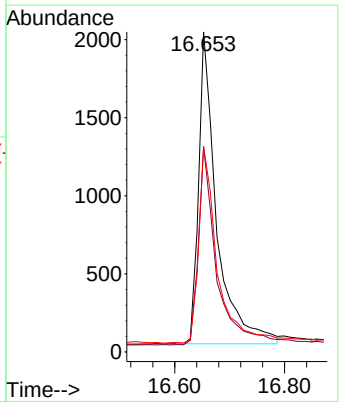


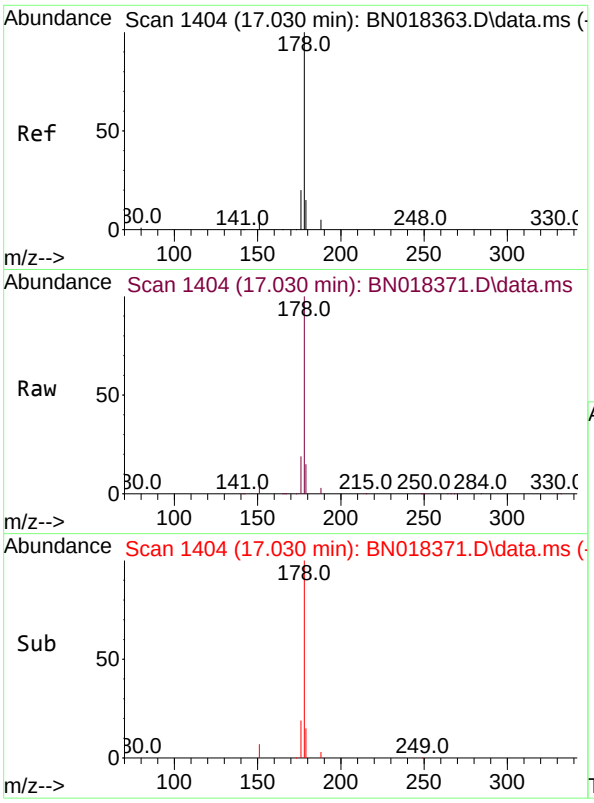


#24
Pentachlorophenol
Concen: 0.480 ng
RT: 16.653 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:266 Resp: 4560

Ion	Ratio	Lower	Upper
266	100		
264	64.1	49.5	74.3
268	64.8	50.6	76.0



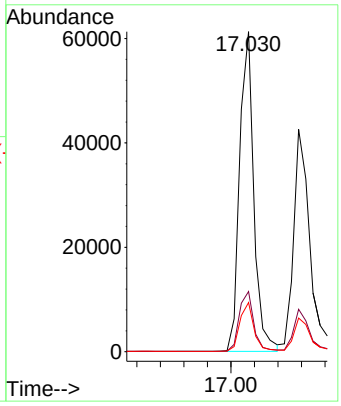


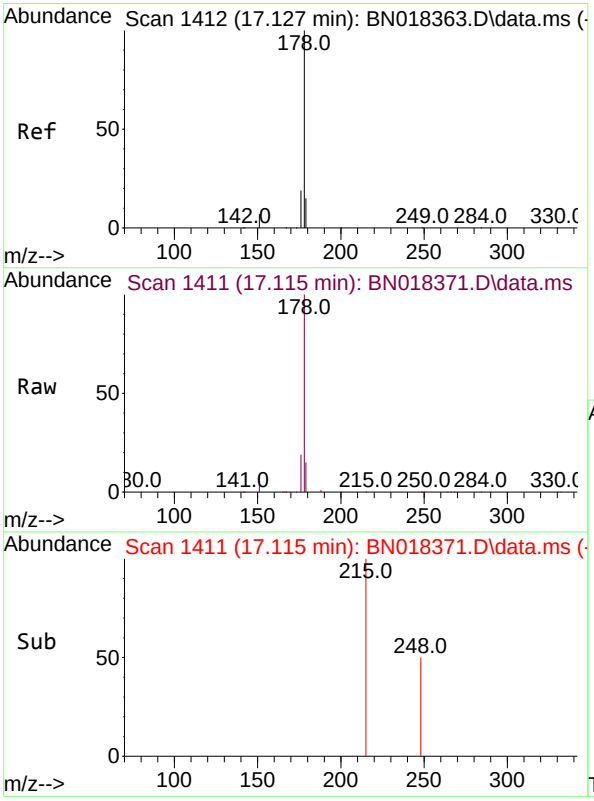
#25
Phenanthrene
Concen: 0.349 ng
RT: 17.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:178 Resp: 102212

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.3	18.5

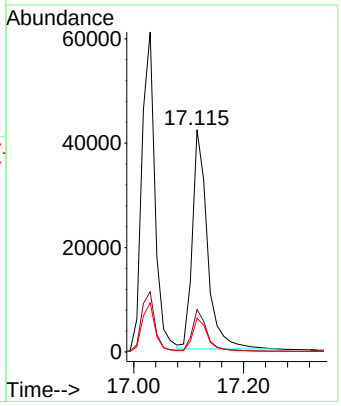


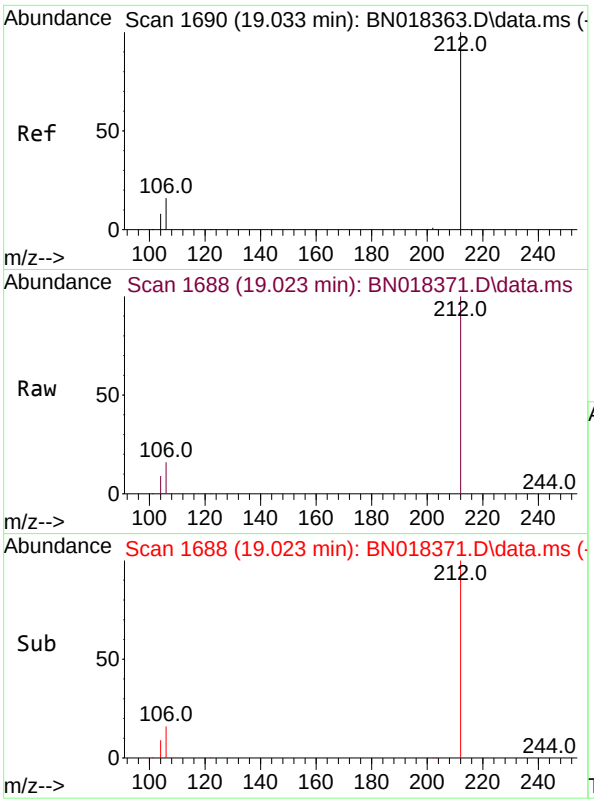


#26
Anthracene
Concen: 0.331 ng
RT: 17.115 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:178 Resp: 79986

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	12.2	18.4



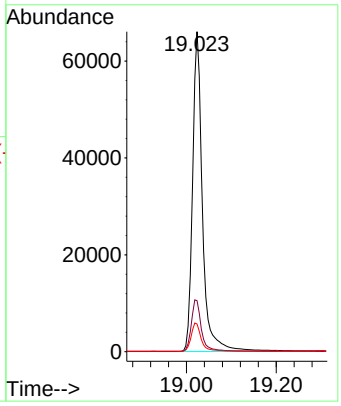


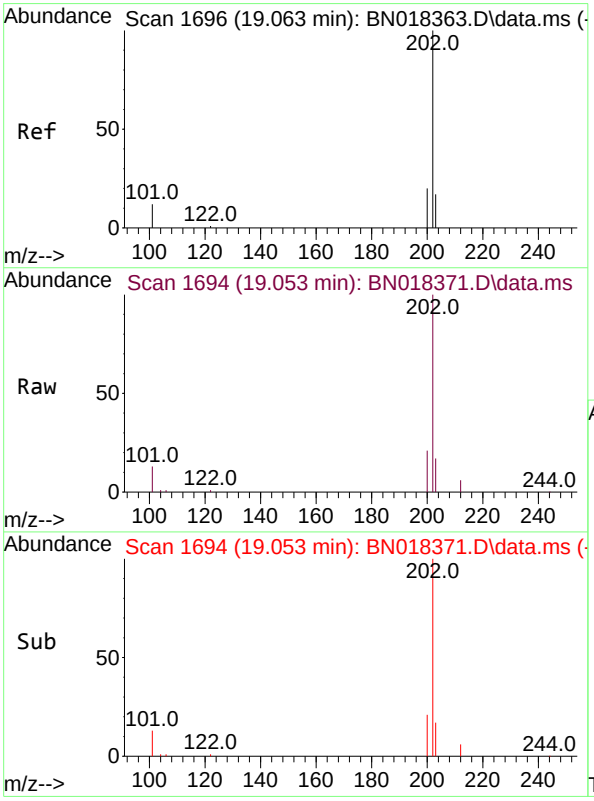
#27
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.023 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:212 Resp: 101523

Ion	Ratio	Lower	Upper
212	100		
106	16.5	8.4	12.6#
104	9.1	4.5	6.7#

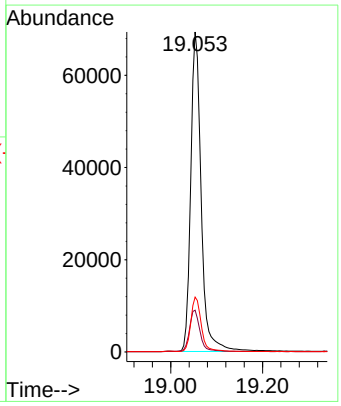


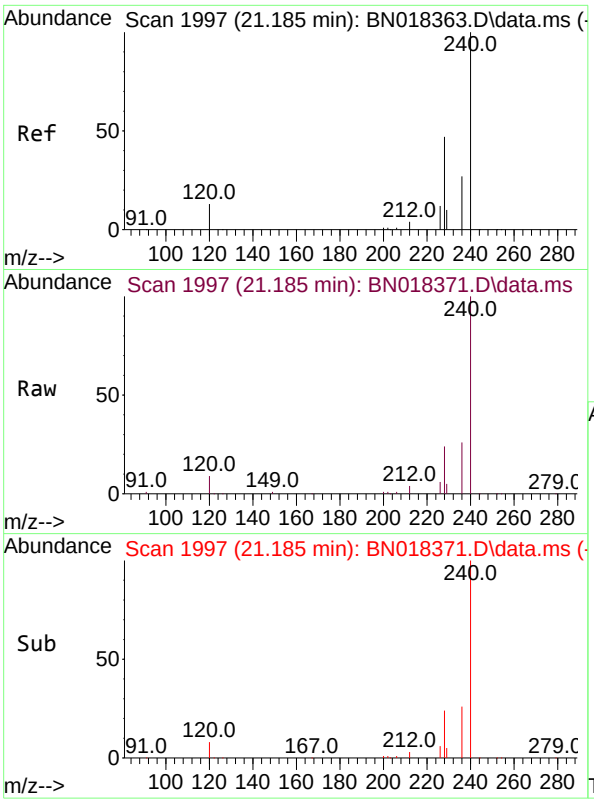


#28
Fluoranthene
Concen: 0.355 ng
RT: 19.053 min Scan# 1694
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:202 Resp: 110159

Ion	Ratio	Lower	Upper
202	100		
101	13.5	7.2	10.8#
203	17.1	13.7	20.5



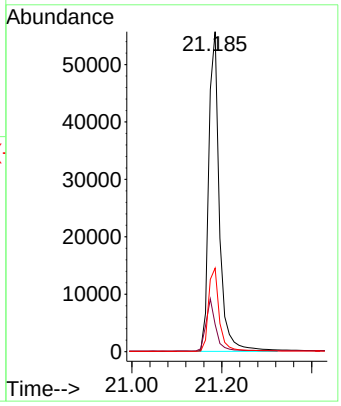


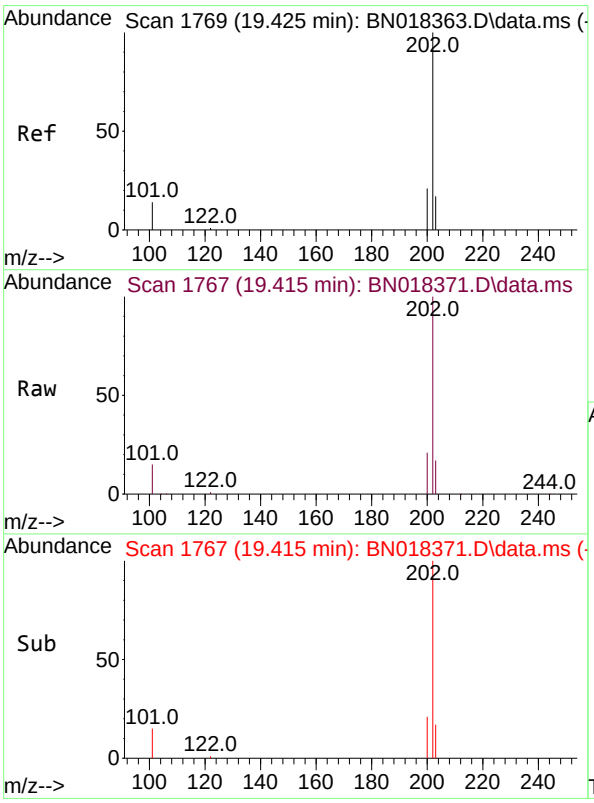
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.185 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:240 Resp: 91222

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.0	9.0
236	26.1	21.4	32.2

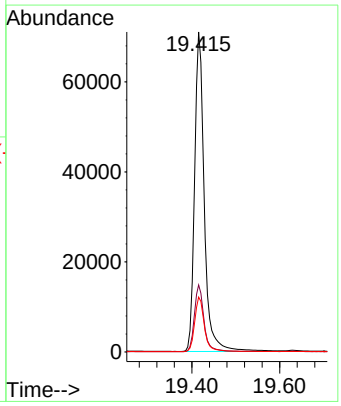


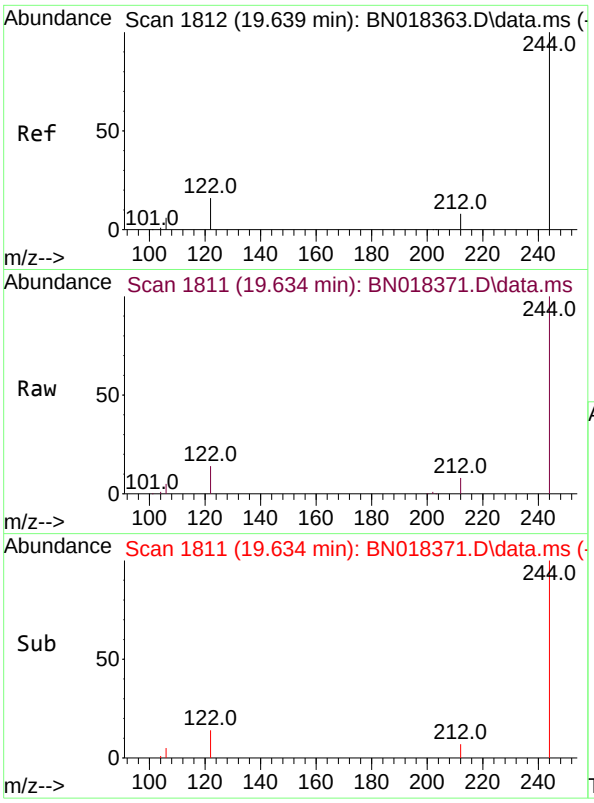


#30
Pyrene
Concen: 0.337 ng
RT: 19.415 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:202 Resp: 108847

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.3	14.1	21.1



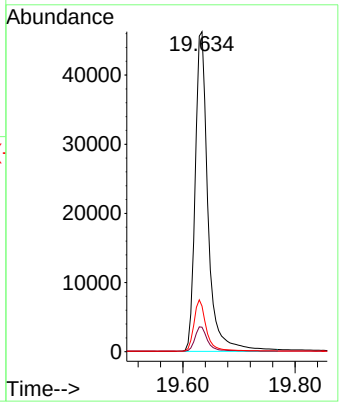


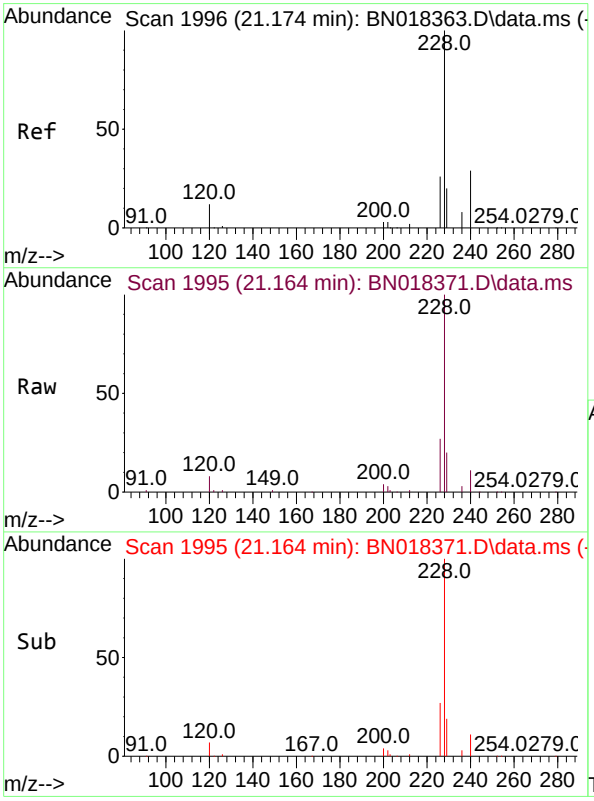
#31
Terphenyl-d14
Concen: 0.372 ng
RT: 19.634 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:244 Resp: 73480

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	14.3	7.9	11.9#

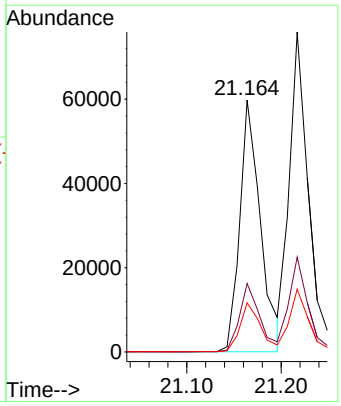


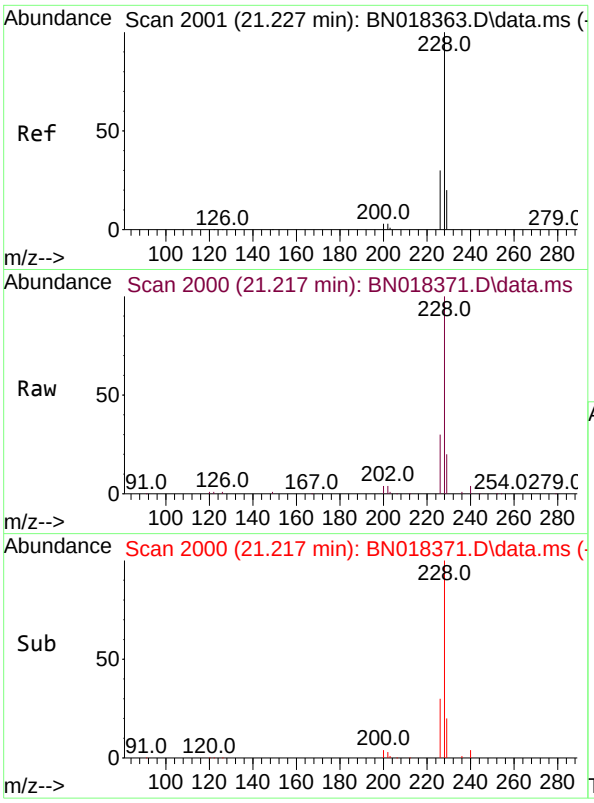


#32
Benzo(a)anthracene
Concen: 0.338 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:228 Resp: 90867

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	19.5	15.9	23.9



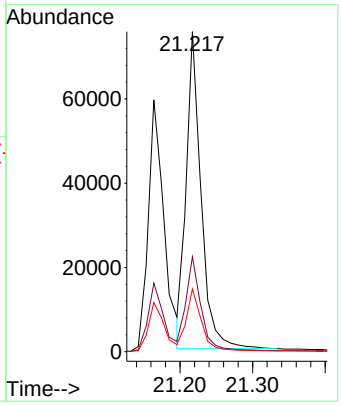


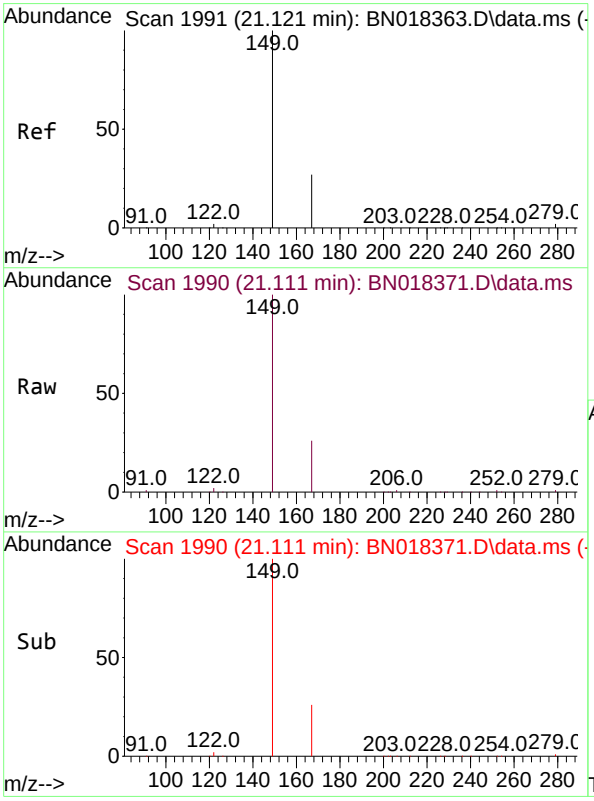
#33
Chrysene
Concen: 0.352 ng
RT: 21.217 min Scan# 2(
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:228 Resp: 107438

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.4
229	19.6	15.5	23.3

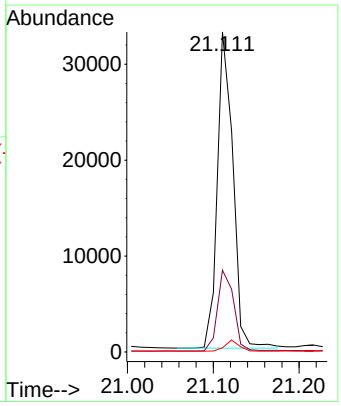


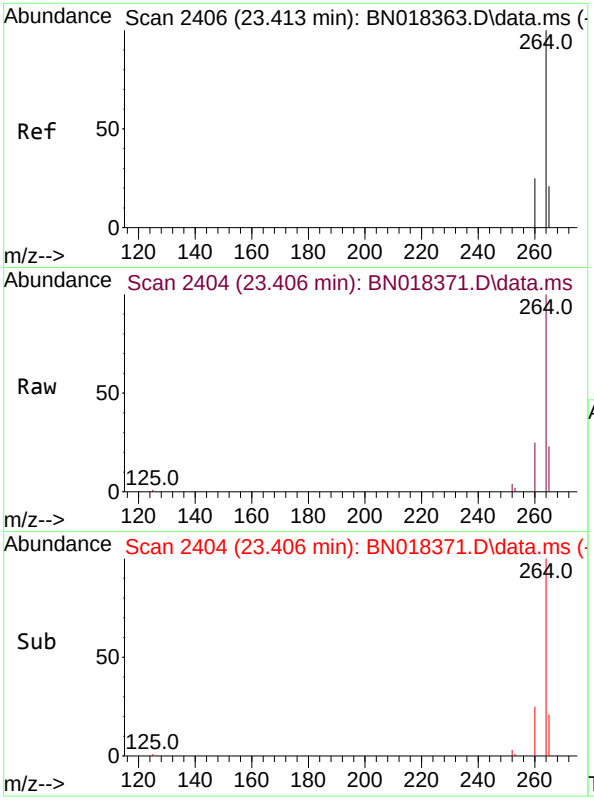


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.383 ng
RT: 21.111 min Scan# 1990
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:149 Resp: 41544

Ion	Ratio	Lower	Upper
149	100		
167	26.5	23.7	35.5
279	3.2	3.6	5.4#



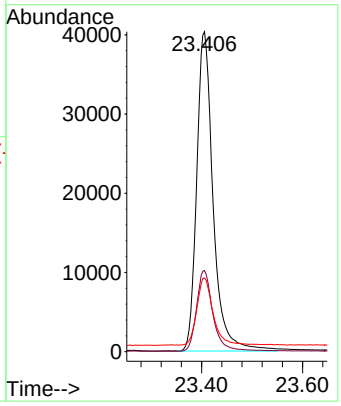


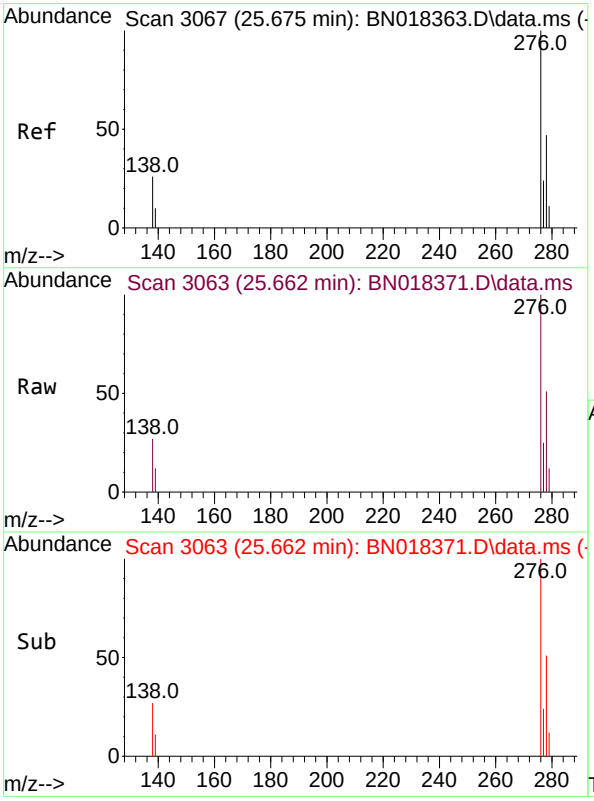
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.406 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:264 Resp: 91045

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.2	30.4
265	23.0	18.2	27.2

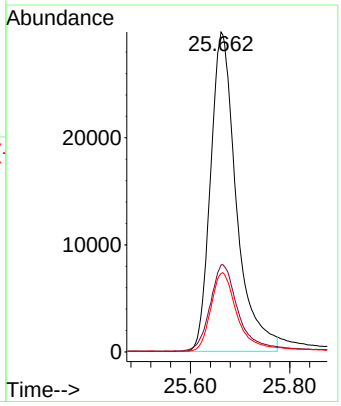


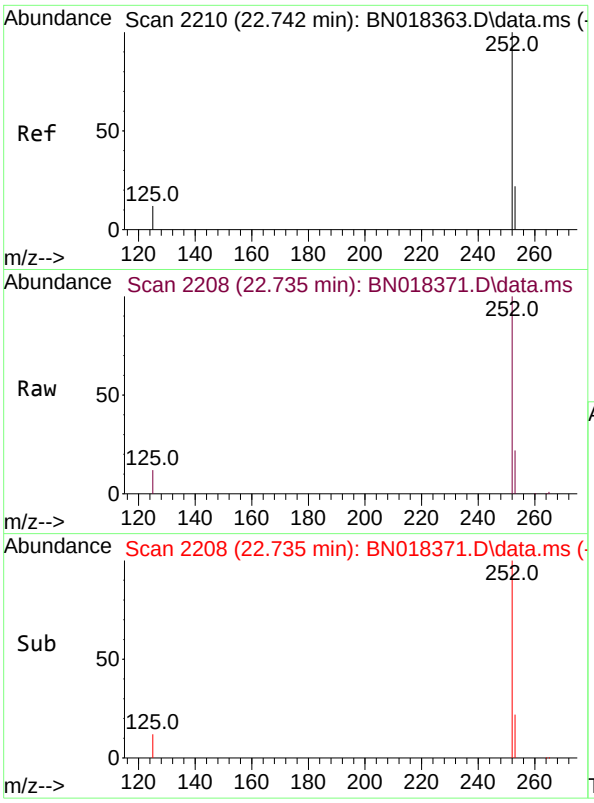


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.371 ng
RT: 25.662 min Scan# 3063
Delta R.T. -0.013 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:276 Resp: 107480

Ion	Ratio	Lower	Upper
276	100		
138	29.1	14.9	22.3#
277	25.1	19.9	29.9



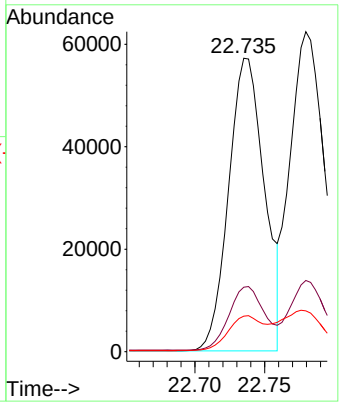


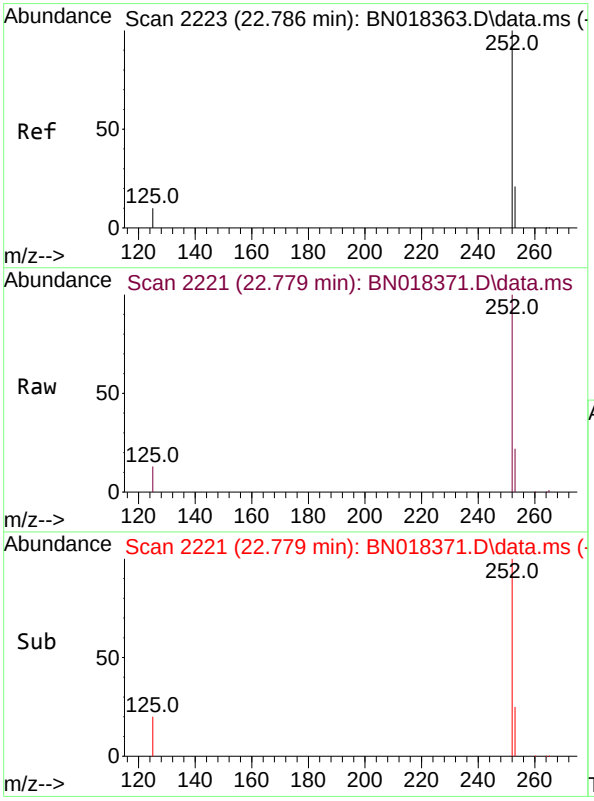
#37
Benzo(b)fluoranthene
Concen: 0.346 ng
RT: 22.735 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:252 Resp: 102083

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.1	6.0	9.0#

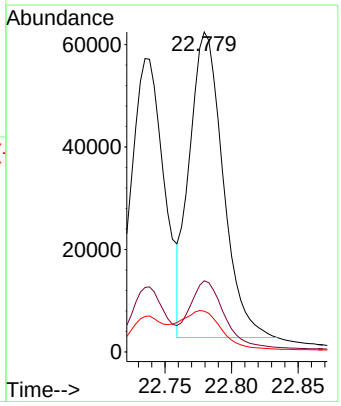


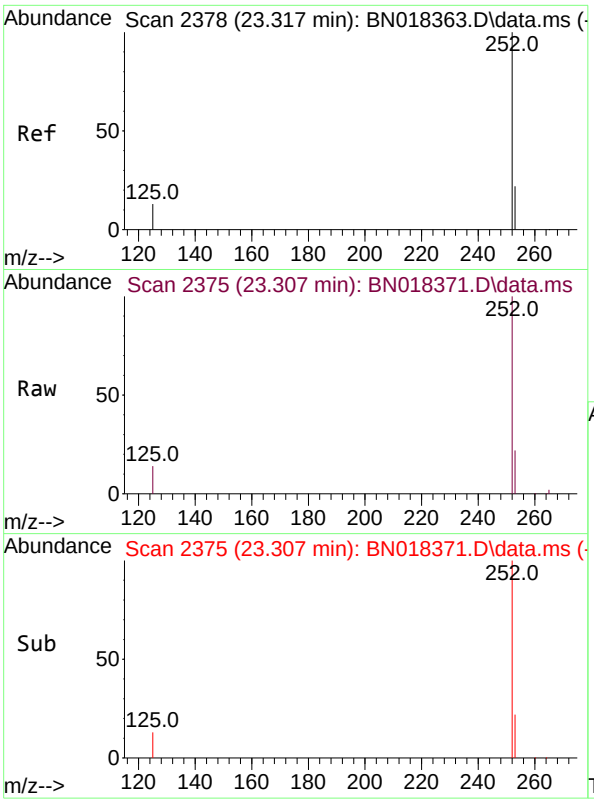


#38
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 22.779 min Scan# 2221
Delta R.T. -0.007 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:252 Resp: 104381

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	12.7	6.2	9.2#



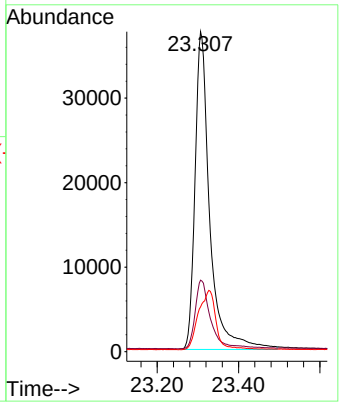


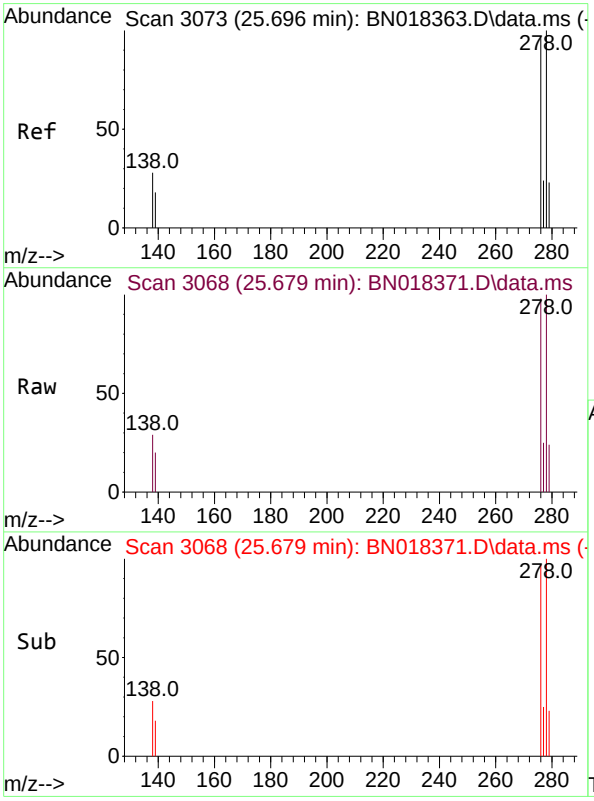
#39
Benzo(a)pyrene
Concen: 0.346 ng
RT: 23.307 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:252 Resp: 94286

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	14.0	7.0	10.4#

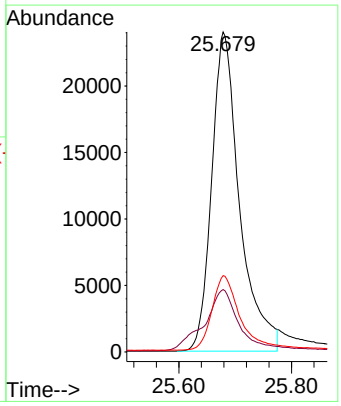


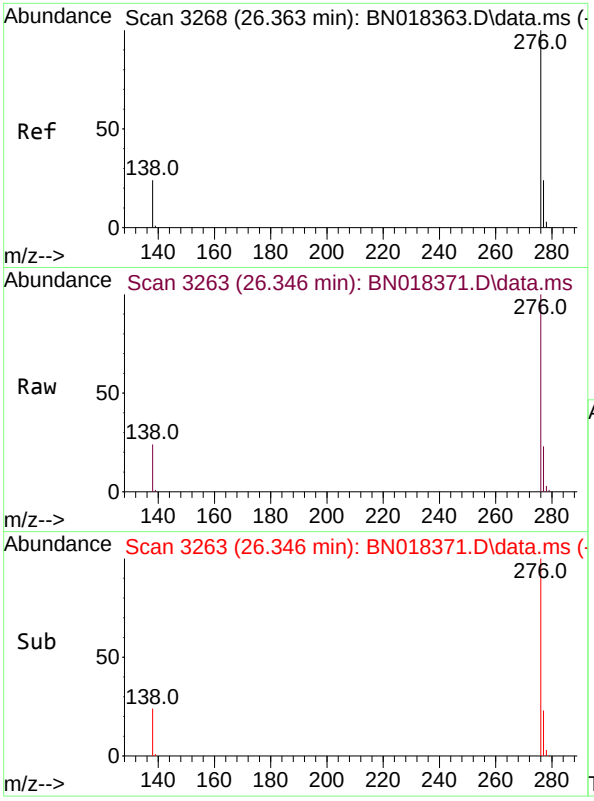


#40
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 25.679 min Scan# 3068
Delta R.T. -0.017 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Tgt Ion:278 Resp: 82287

Ion	Ratio	Lower	Upper
278	100		
139	19.5	10.8	16.2#
279	23.8	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 0.351 ng
RT: 26.346 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN018371.D
Acq: 07 Jan 2022 17:38

Instrument :
BNA_N
ClientSampleId :
PB141692BS

Tgt Ion:276 Resp: 92940

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	24.3	12.6	19.0#