Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022322\
Data File : BN018696.D
Acq On : 23 Feb 2022 14:16
Operator : CG/JU
Sample : PB142777BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Quant Time: Feb 24 01:36:21 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.919	152	6581	0.400	ng	0.00
7) Naphthalene-d8	10.722	136	15615	0.400	ng	# 0.00
13) Acenaphthene-d10	14.549	164	7328	0.400	ng	0.00
19) Phenanthrene-d10	17.287	188	13315	0.400	ng	0.00
29) Chrysene-d12	21.458	240	9956	0.400	ng	# 0.00
35) Perylene-d12	23.861	264	9501	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.471	112	4965	0.330	ng	0.00
5) Phenol-d6	7.067	99	5516	0.318	ng	0.00
8) Nitrobenzene-d5	9.067	82	3688	0.305	ng	0.00
11) 2-Methylnaphthalene-d10	12.310	152	7748	0.329	ng	0.00
14) 2,4,6-Tribromophenol	16.036	330	792	0.277	ng	0.01
15) 2-Fluorobiphenyl	13.180	172	11585	0.334	ng	0.00
27) Fluoranthene-d10	19.312	212	11609	0.321	ng	0.00
31) Terphenyl-d14	19.906	244	7286	0.337	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.326	88	2668	0.349	ng	# 61
3) n-Nitrosodimethylamine	3.644	42	2546	0.336	ng	87
6) bis(2-Chloroethyl)ether	7.334	93	6045	0.340	ng	98
9) Naphthalene	10.776	128	15022	0.333	ng	99
10) Hexachlorobutadiene	11.075	225	3553	0.328	ng	# 100
12) 2-Methylnaphthalene	12.382	142	8989	0.298	ng	97
16) Acenaphthylene	14.271	152	10648	0.306	ng	99
17) Acenaphthene	14.613	154	7703	0.321	ng	99
18) Fluorene	15.586	166	9278	0.321	ng	99
20) 4,6-Dinitro-2-methylph...	15.660	198	507	0.323	ng	# 91
21) 4-Bromophenyl-phenylether	16.477	248	2983	0.315	ng	# 91
22) Hexachlorobenzene	16.600	284	3808	0.321	ng	# 86
23) Atrazine	16.733	200	1490	0.285	ng	# 91
24) Pentachlorophenol	16.938	266	564	0.305	ng	98
25) Phenanthrene	17.328	178	14451	0.324	ng	100
26) Anthracene	17.420	178	11499	0.305	ng	99
28) Fluoranthene	19.341	202	14580	0.313	ng	# 97
30) Pyrene	19.704	202	14747	0.332	ng	100
32) Benzo(a)anthracene	21.449	228	11956	0.317	ng	99
33) Chrysene	21.494	228	14484	0.344	ng	99
34) Bis(2-ethylhexyl)phtha...	21.378	149	4858	0.317	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.349	276	16675	0.332	ng	# 88
37) Benzo(b)fluoranthene	23.130	252	13680	0.317	ng	# 88
38) Benzo(k)fluoranthene	23.176	252	13627	0.318	ng	# 92
39) Benzo(a)pyrene	23.752	252	10889	0.316	ng	# 80
40) Dibenzo(a,h)anthracene	26.363	278	12805	0.327	ng	# 90
41) Benzo(g,h,i)perylene	27.103	276	13604	0.317	ng	# 89

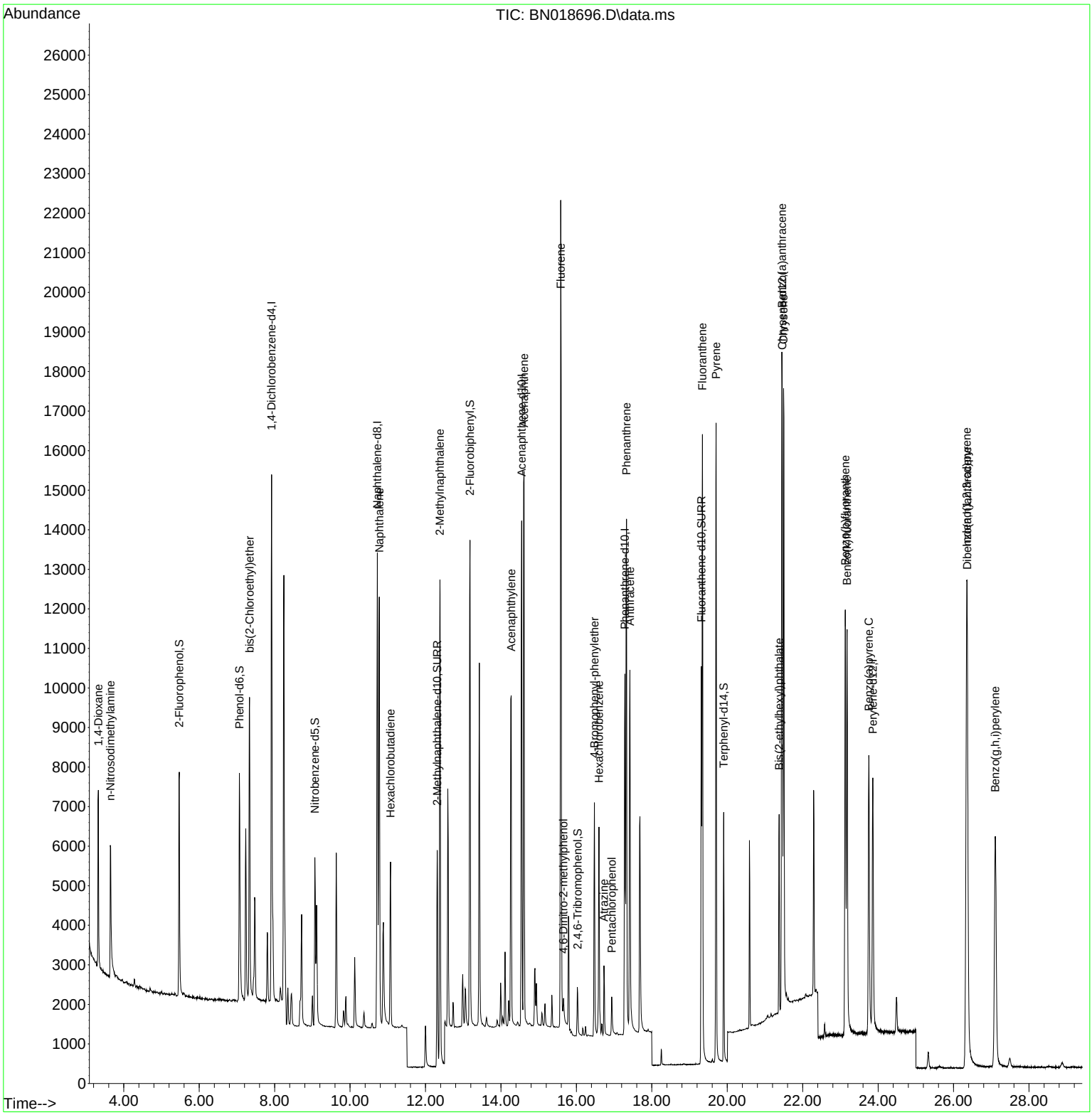
(#) = qualifier out of range (m) = manual integration (+) = signals summed

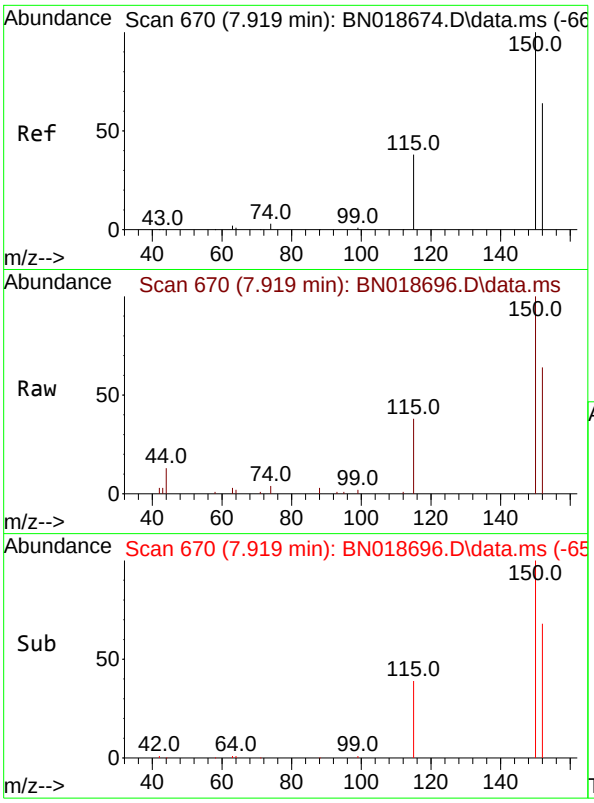
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022322\
Data File : BN018696.D
Acq On : 23 Feb 2022 14:16
Operator : CG/JU
Sample : PB142777BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Quant Time: Feb 24 01:36:21 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration



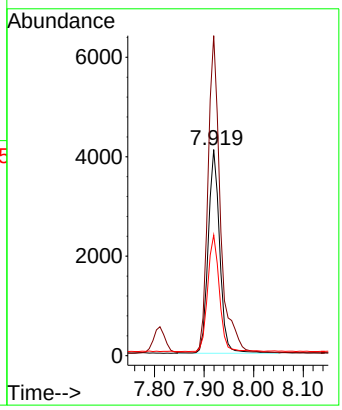


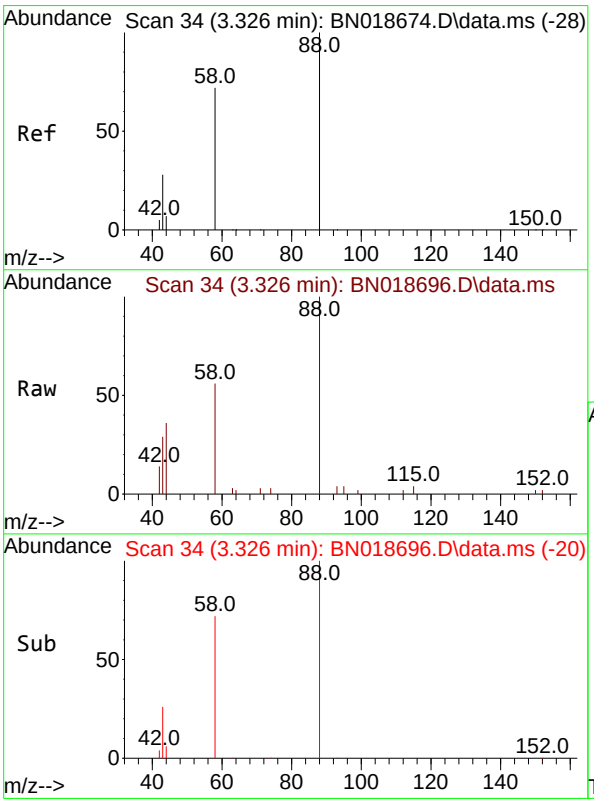
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.919 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:152 Resp: 6581

Ion	Ratio	Lower	Upper
152	100		
150	155.3	121.7	182.5
115	58.6	43.8	65.8

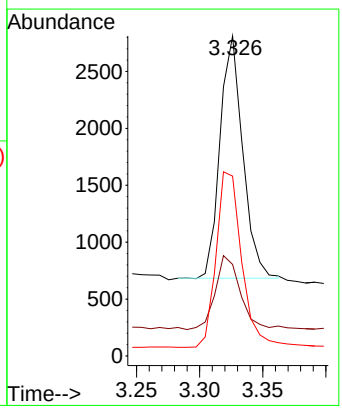


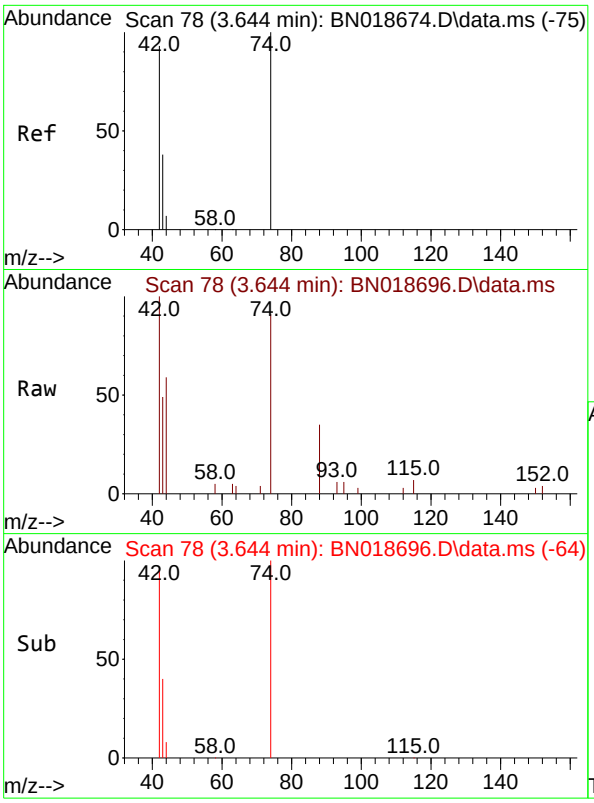


#2
1,4-Dioxane
Concen: 0.349 ng
RT: 3.326 min Scan# 34
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion: 88 Resp: 2668

Ion	Ratio	Lower	Upper
88	100		
43	33.1	69.7	104.5#
58	81.0	83.8	125.8#



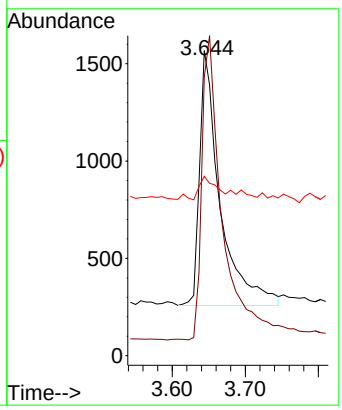


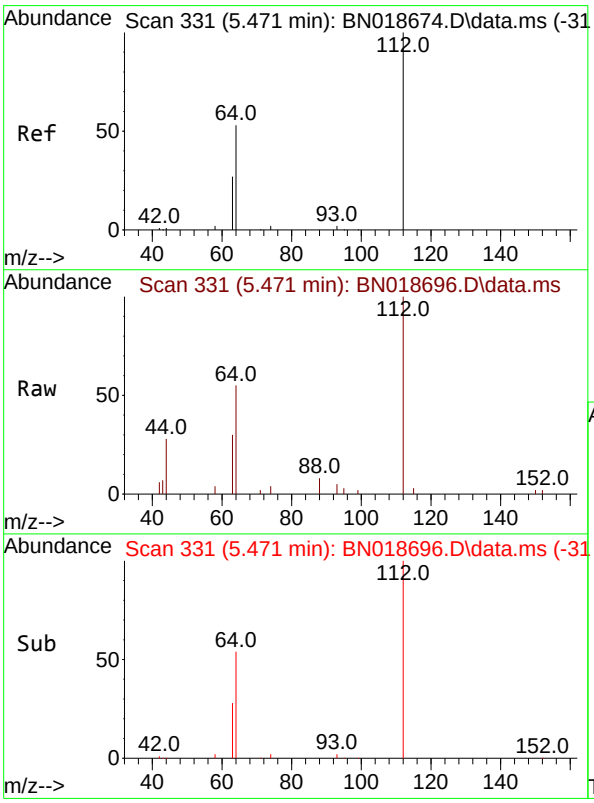
#3
n-Nitrosodimethylamine
Concen: 0.336 ng
RT: 3.644 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion: 42 Resp: 2546

Ion	Ratio	Lower	Upper
42	100		
74	119.0	108.6	163.0
44	7.7	5.8	8.8

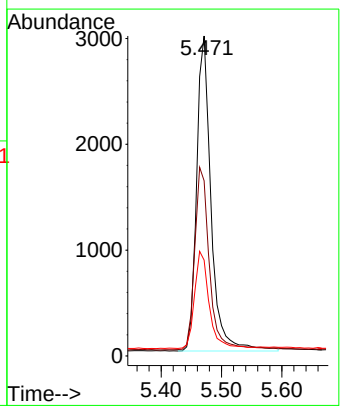


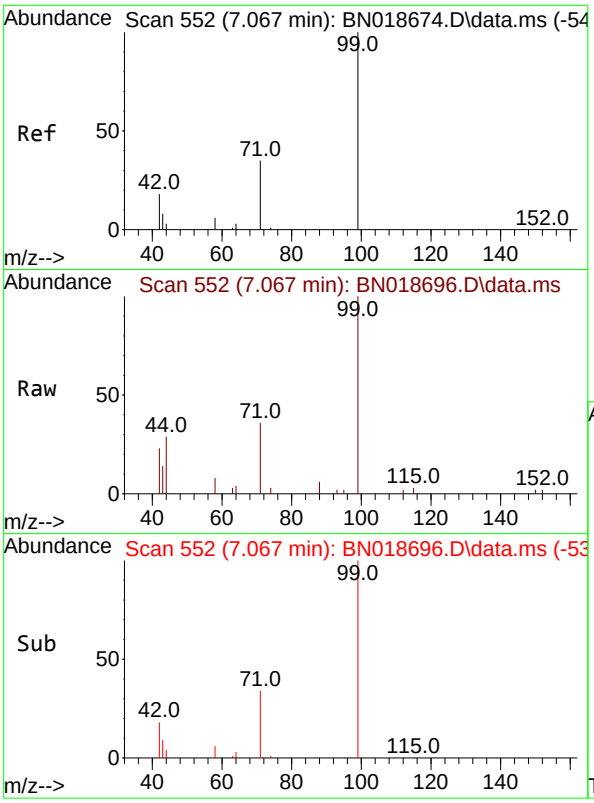


#4
2-Fluorophenol
Concen: 0.330 ng
RT: 5.471 min Scan# 331
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:112 Resp: 4965

Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.0	72.0
63	31.0	25.3	37.9



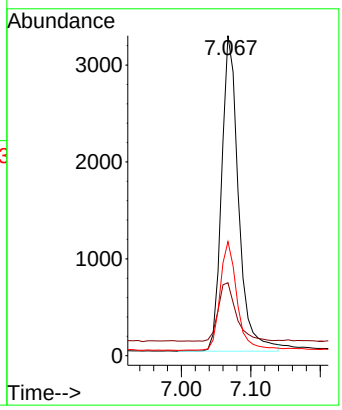


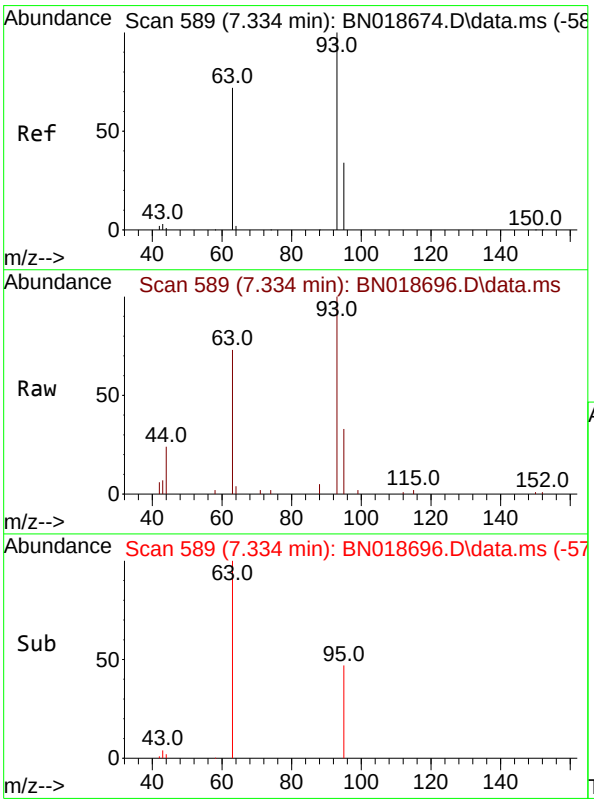
#5
Phenol-d6
Concen: 0.318 ng
RT: 7.067 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion: 99 Resp: 5516

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.3	24.5
71	34.7	26.8	40.2

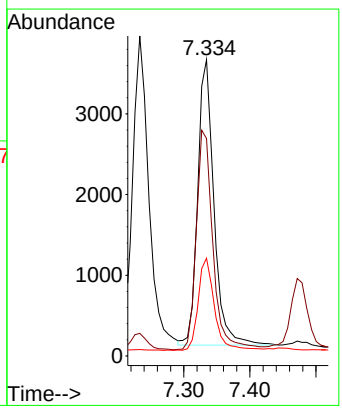


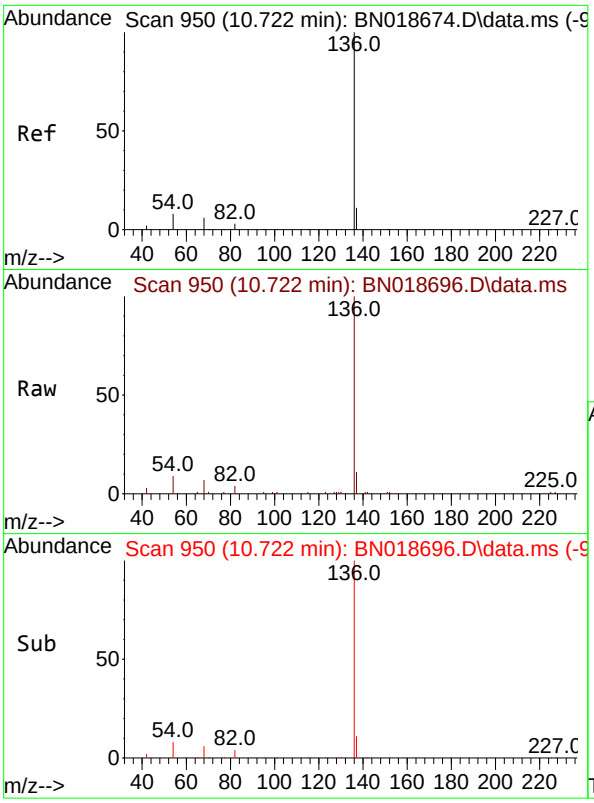


#6
bis(2-Chloroethyl)ether
Concen: 0.340 ng
RT: 7.334 min Scan# 589
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion: 93 Resp: 6045

Ion	Ratio	Lower	Upper
93	100		
63	78.9	61.7	92.5
95	32.4	26.2	39.4



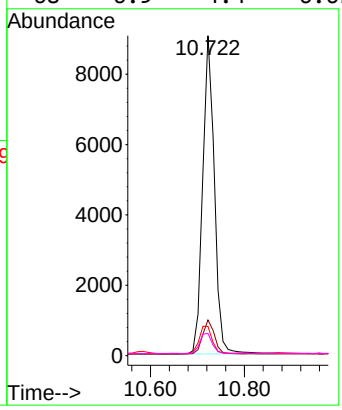


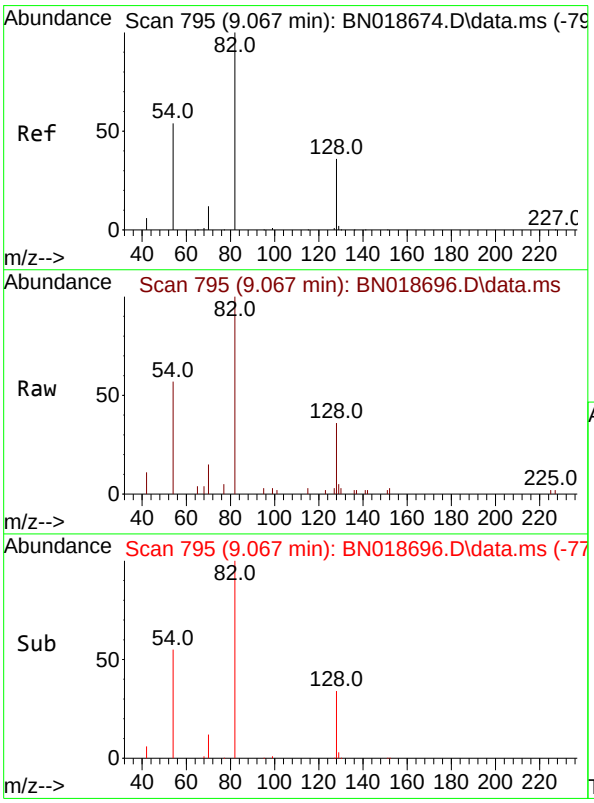
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:136 Resp: 15615

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	9.1	5.0	7.6#
68	6.9	4.4	6.6#

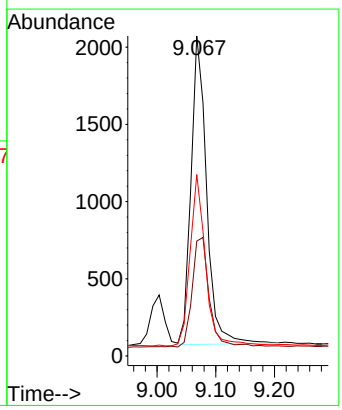


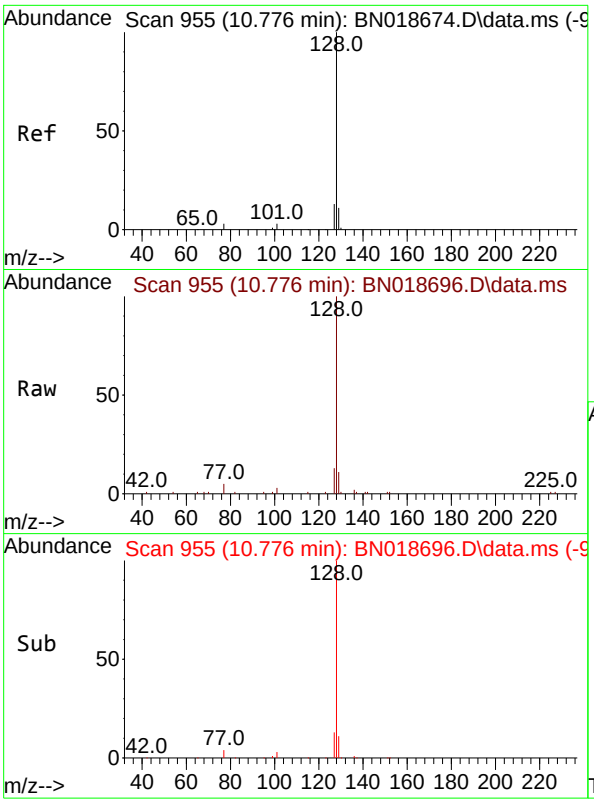


#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 9.067 min Scan# 795
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion: 82 Resp: 3688

Ion	Ratio	Lower	Upper
82	100		
128	35.9	33.7	50.5
54	56.7	36.6	55.0#



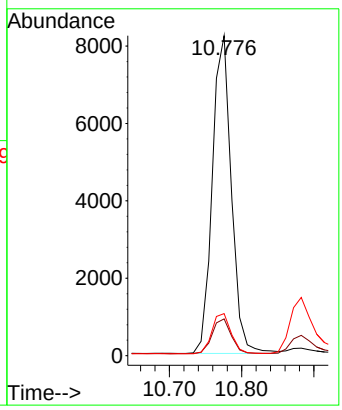


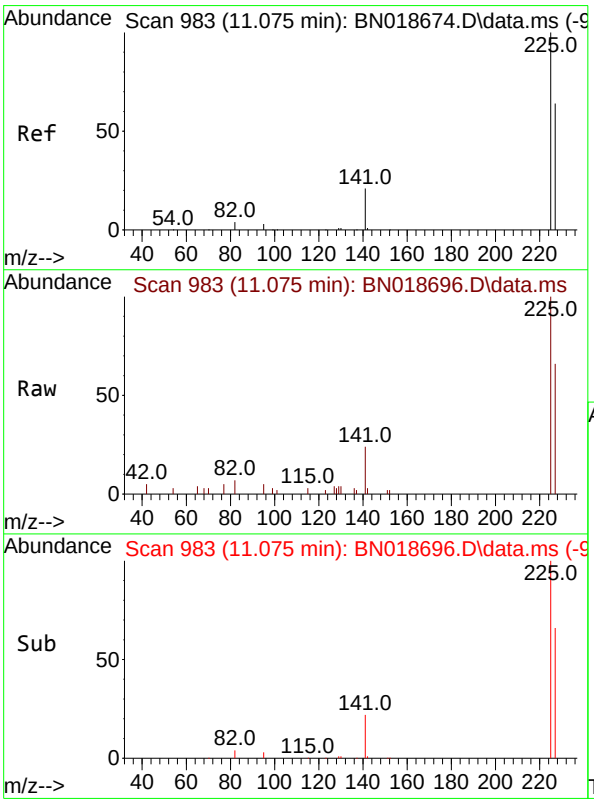
#9
Naphthalene
Concen: 0.333 ng
RT: 10.776 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:128 Resp: 15022

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.1	10.4	15.6

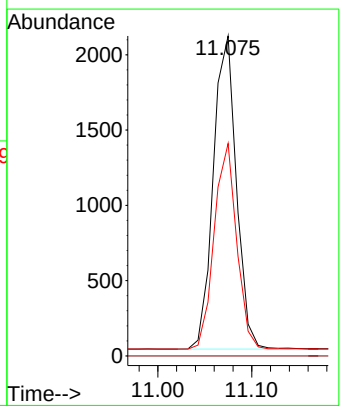


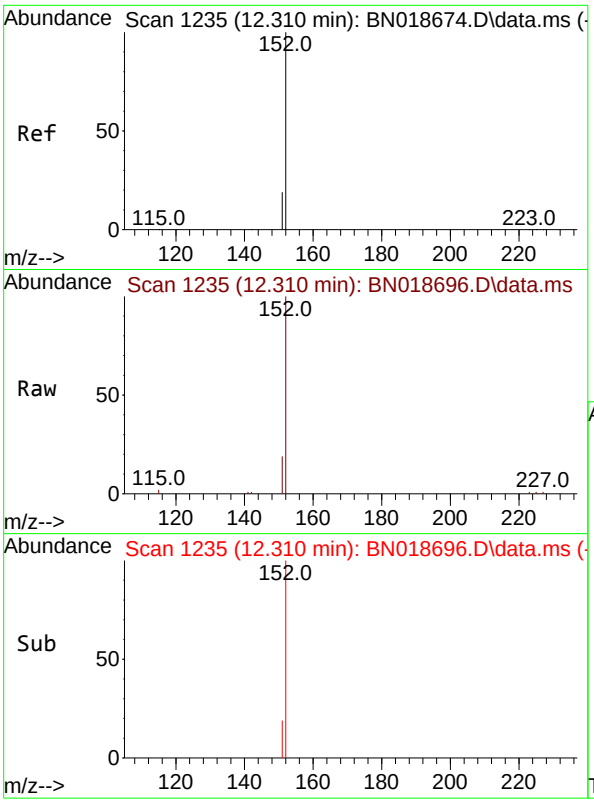


#10
Hexachlorobutadiene
Concen: 0.328 ng
RT: 11.075 min Scan# 983
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:225 Resp: 3553

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.0	76.6



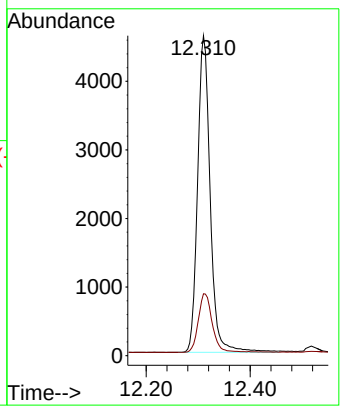


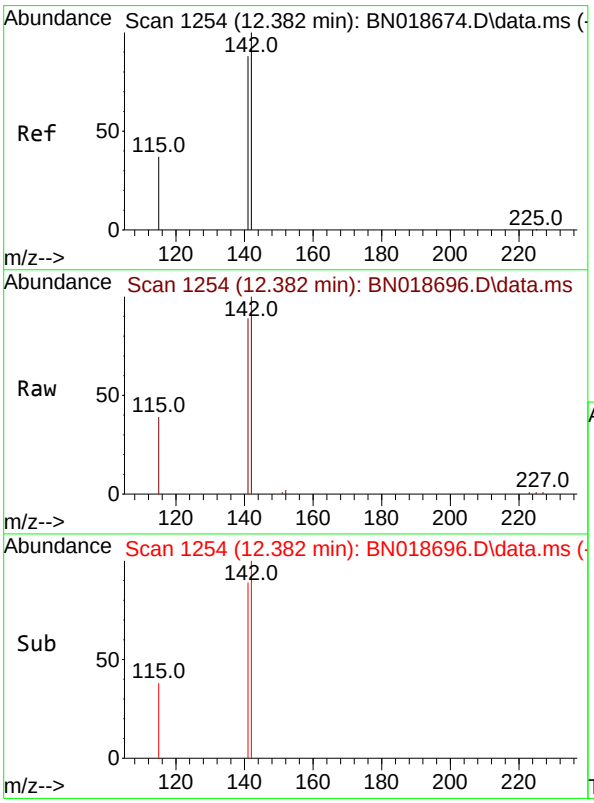
#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:152 Resp: 7748

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2

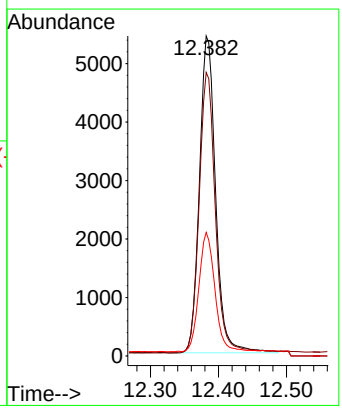


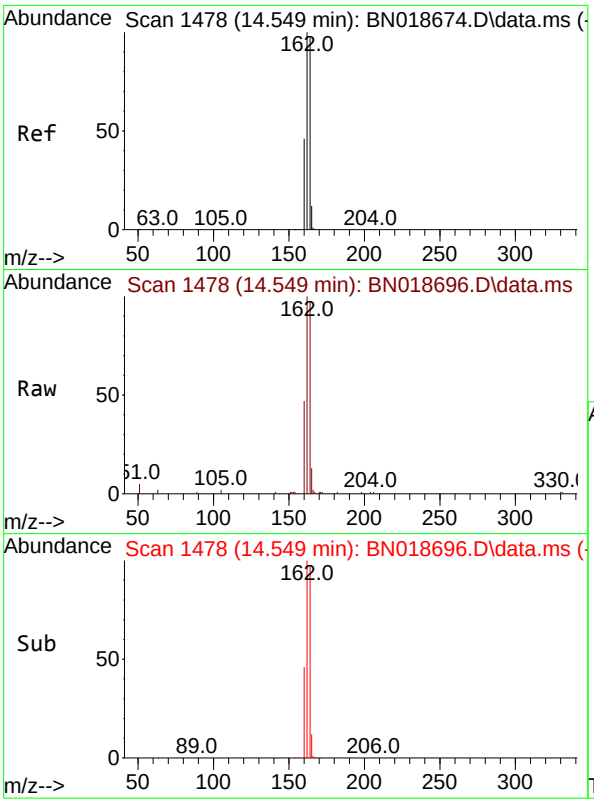


#12
2-Methylnaphthalene
Concen: 0.298 ng
RT: 12.382 min Scan# 1254
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:142 Resp: 8989

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.0	105.0
115	38.6	27.8	41.8



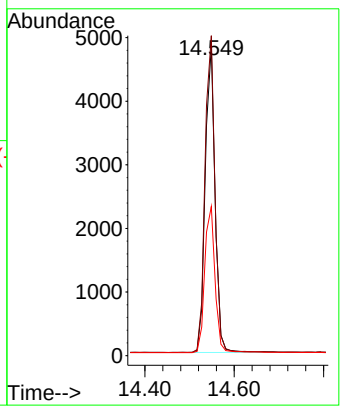


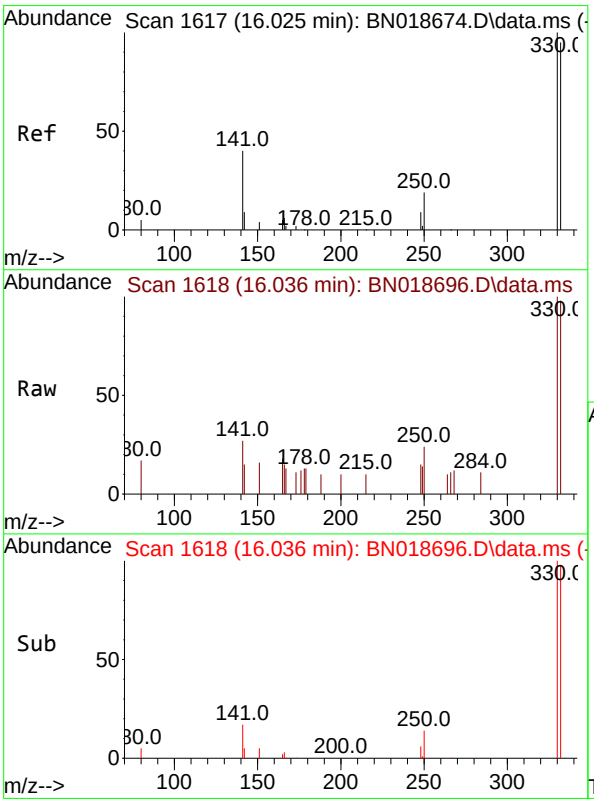
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.549 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:164 Resp: 7328

Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.2	120.2
160	48.2	36.9	55.3

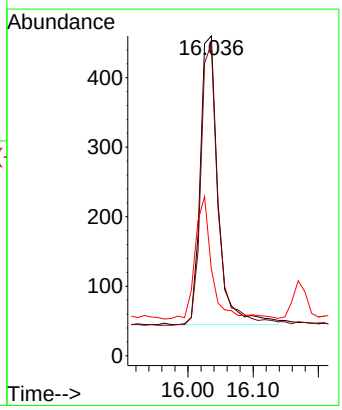


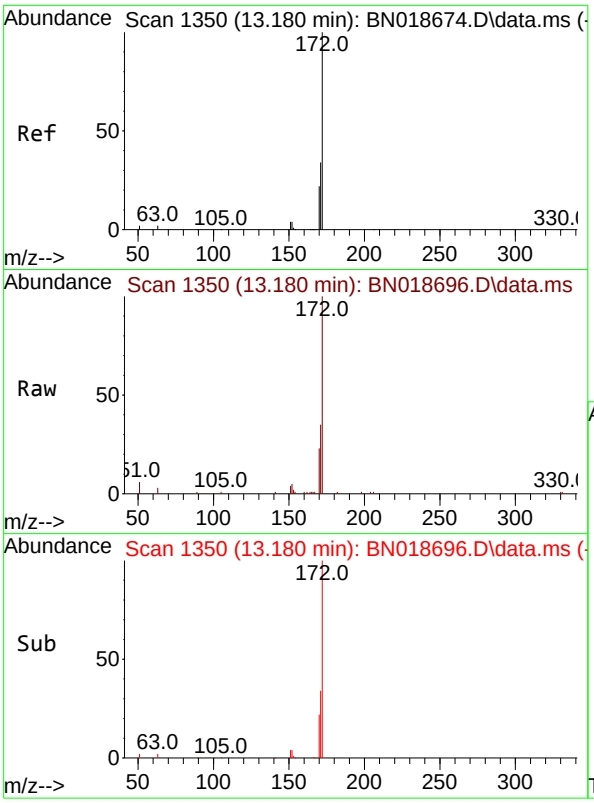


#14
2,4,6-Tribromophenol
Concen: 0.277 ng
RT: 16.036 min Scan# 1618
Delta R.T. 0.011 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:330 Resp: 792

Ion	Ratio	Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	38.5	21.3	31.9#



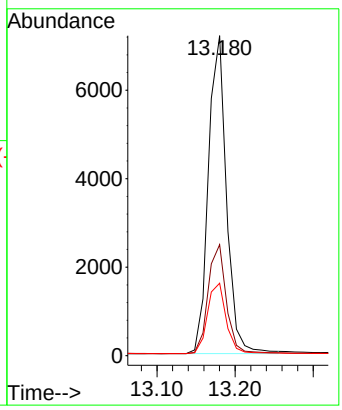


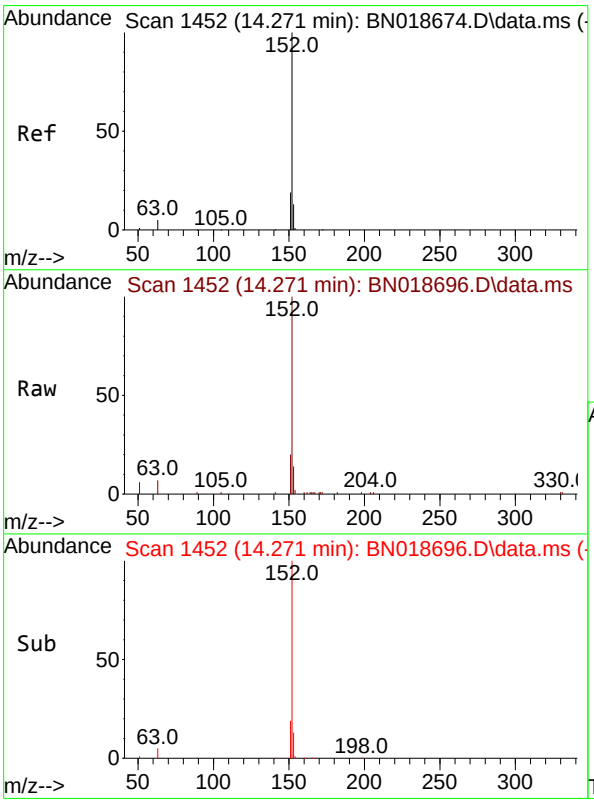
#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 13.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:172 Resp: 11585

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.0
170	22.6	18.4	27.6

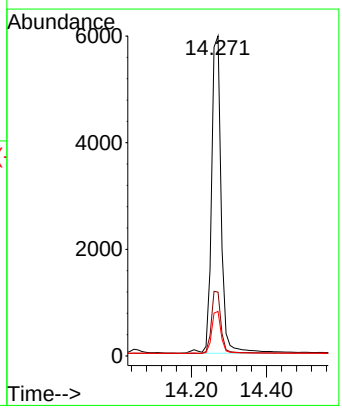


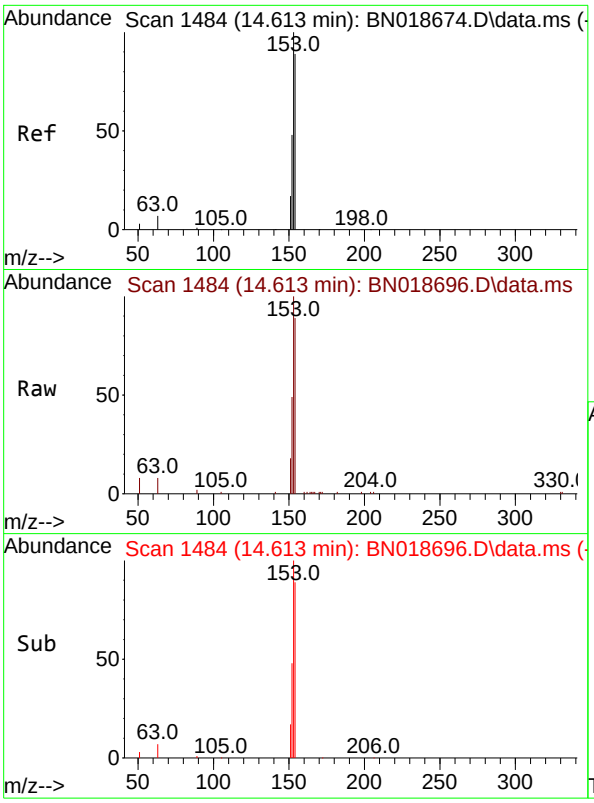


#16
Acenaphthylene
Concen: 0.306 ng
RT: 14.271 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:152 Resp: 10648

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.8	10.5	15.7



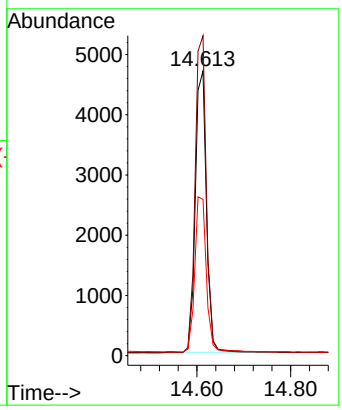


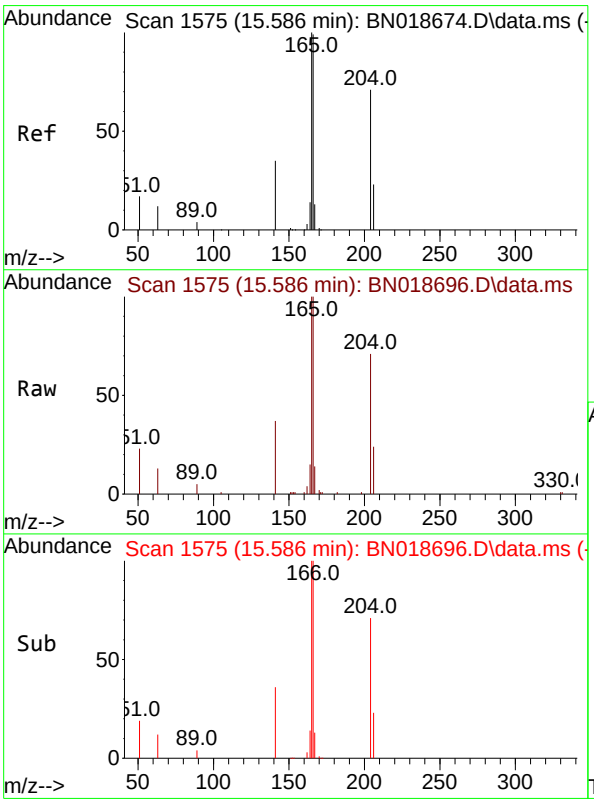
#17
Acenaphthene
Concen: 0.321 ng
RT: 14.613 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:154 Resp: 7703

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.9	136.3
152	57.2	45.0	67.4

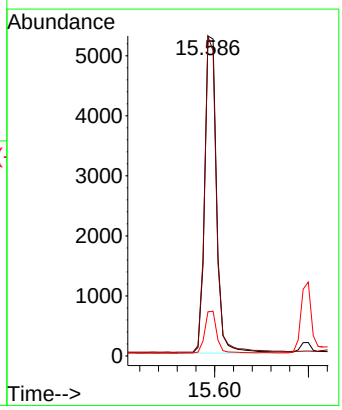


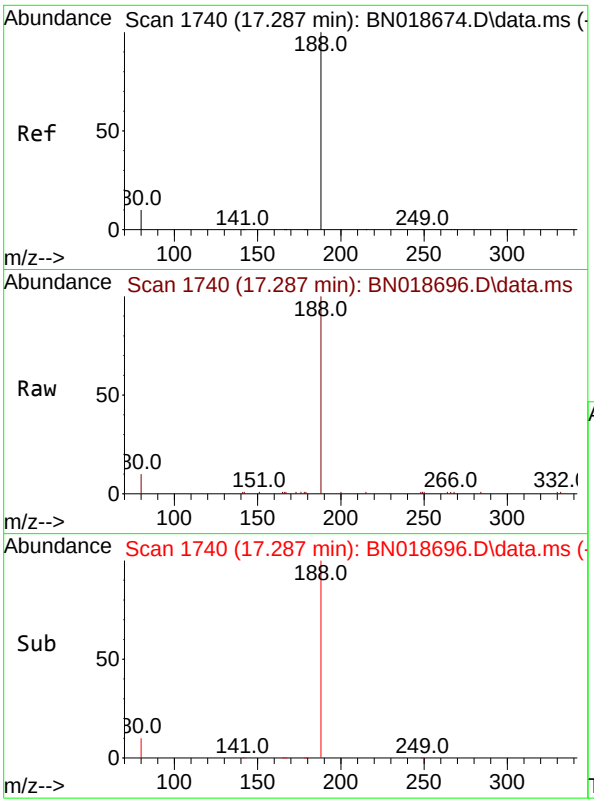


#18
Fluorene
Concen: 0.321 ng
RT: 15.586 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:166 Resp: 9278

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.8	116.6
167	13.3	10.9	16.3



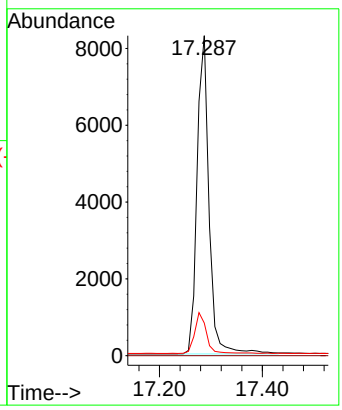


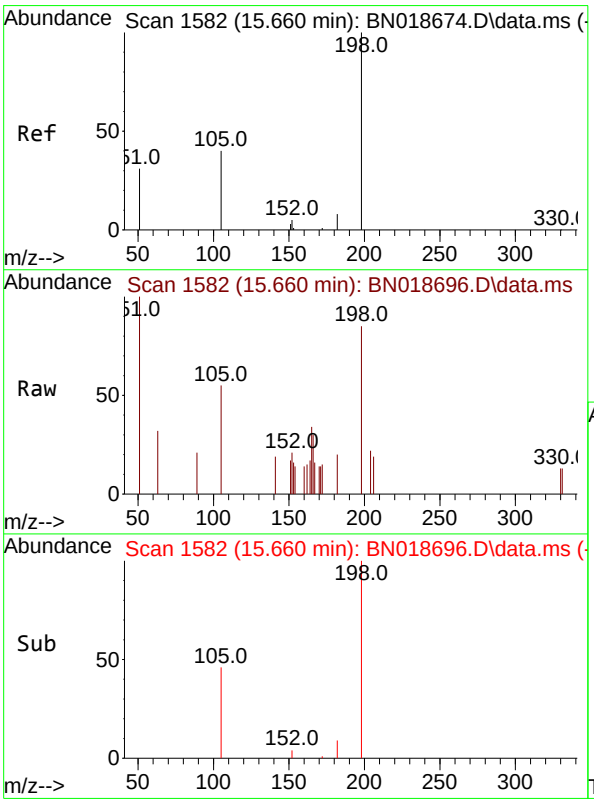
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:188 Resp: 13315

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	7.0	10.4

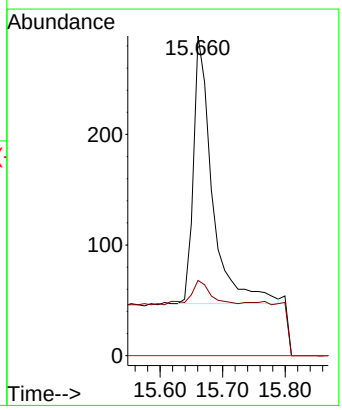


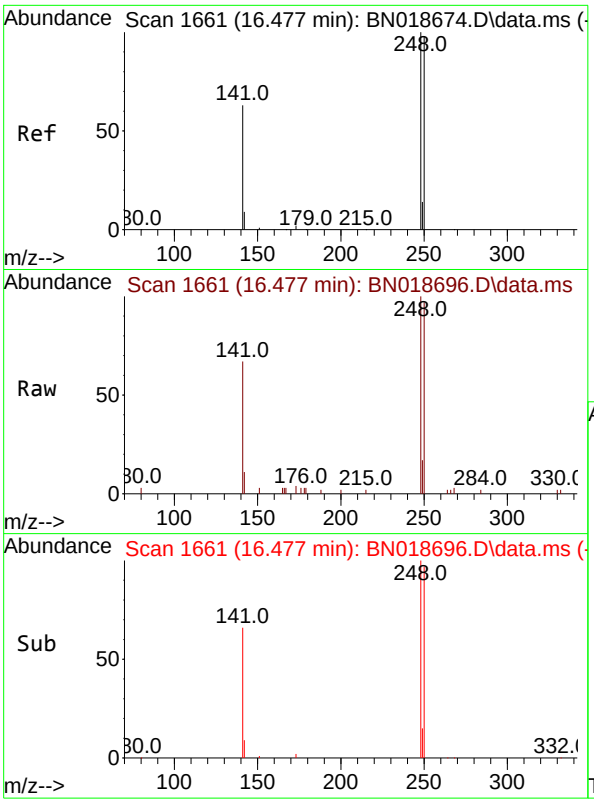


#20
4,6-Dinitro-2-methylphenol
Concen: 0.323 ng
RT: 15.660 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:198 Resp: 507

Ion	Ratio	Lower	Upper
198	100		
182	23.5	15.5	23.3#
77	0.0	0.0	0.0



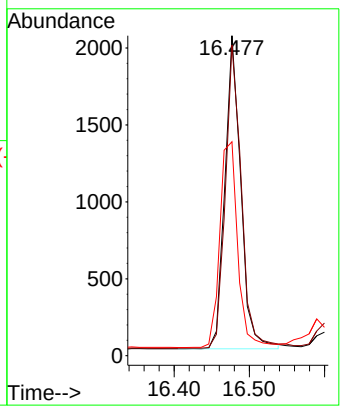


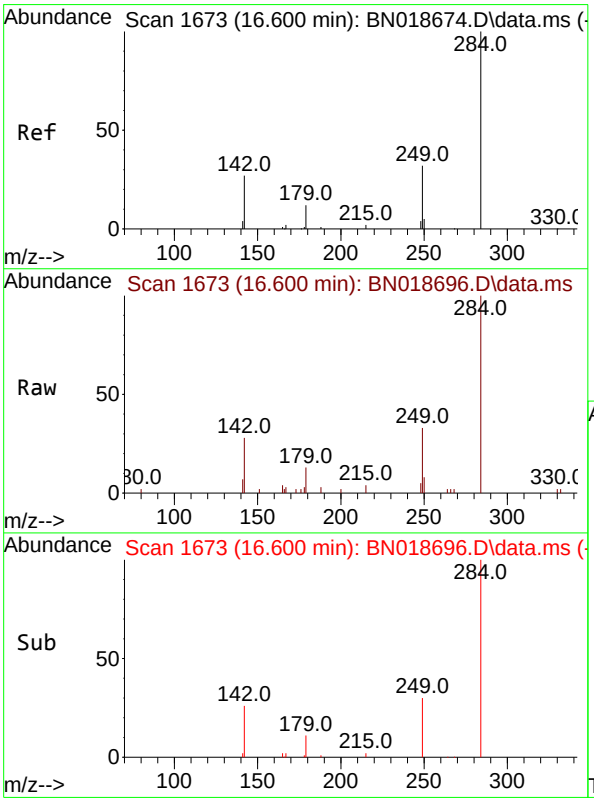
#21
4-Bromophenyl-phenylether
Concen: 0.315 ng
RT: 16.477 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:248 Resp: 2983

Ion	Ratio	Lower	Upper
248	100		
250	97.1	74.4	111.6
141	66.9	43.7	65.5#

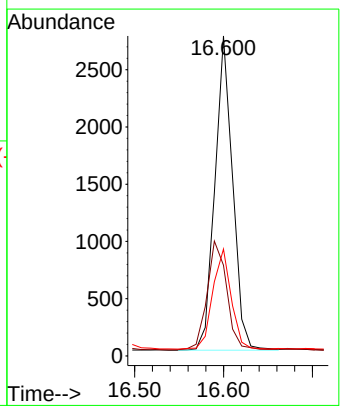


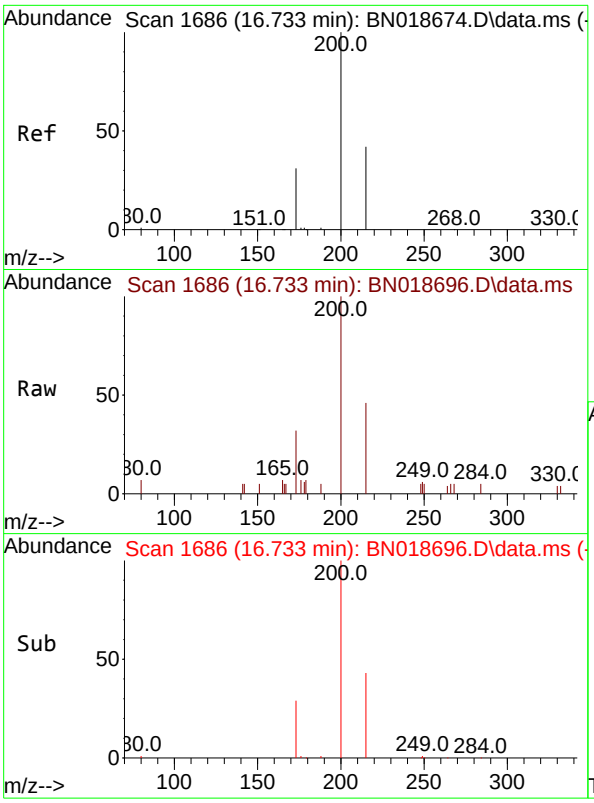


#22
Hexachlorobenzene
Concen: 0.321 ng
RT: 16.600 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:284 Resp: 3808

Ion	Ratio	Lower	Upper
284	100		
142	38.3	21.6	32.4#
249	33.0	23.5	35.3



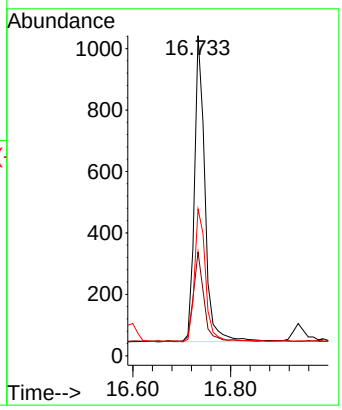


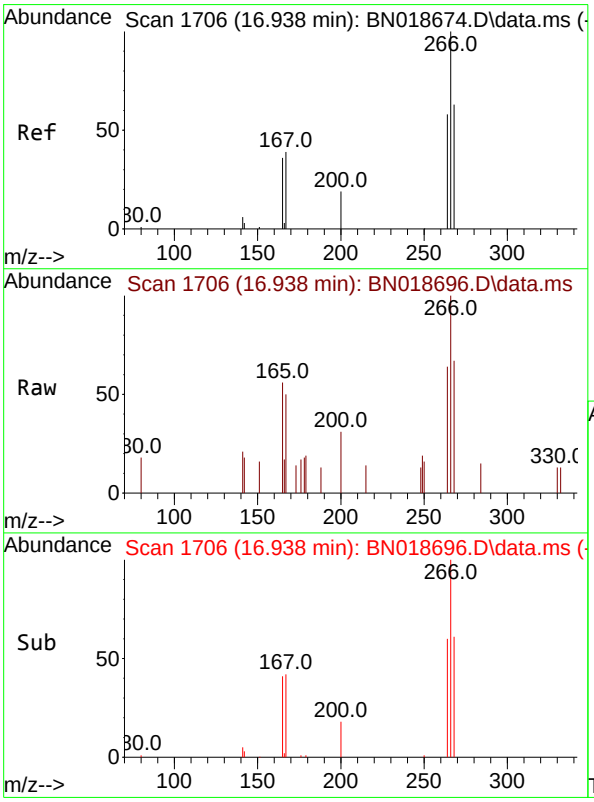
#23
Atrazine
Concen: 0.285 ng
RT: 16.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:200 Resp: 1490

Ion	Ratio	Lower	Upper
200	100		
173	32.4	20.3	30.5#
215	45.9	40.4	60.6

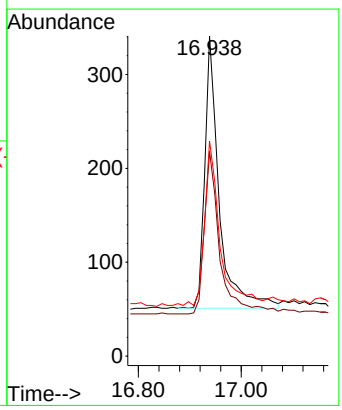


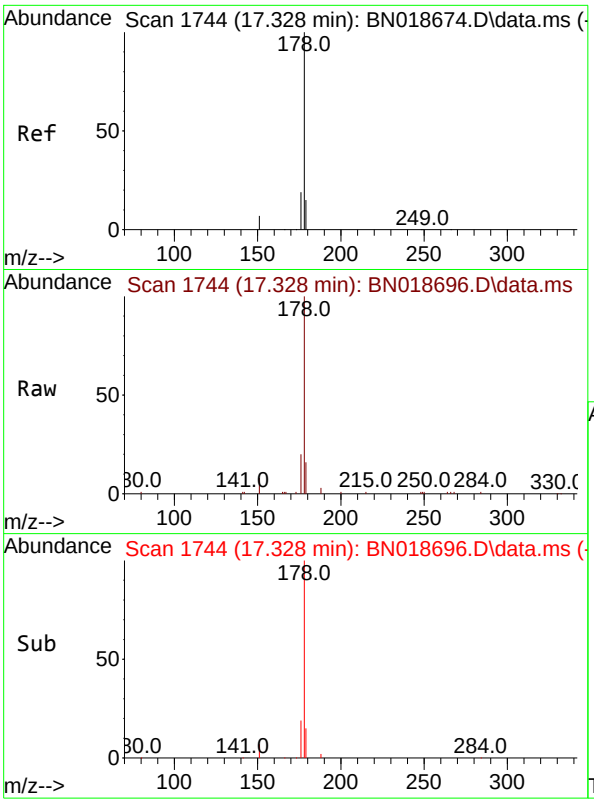


#24
Pentachlorophenol
Concen: 0.305 ng
RT: 16.938 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:266 Resp: 564

Ion	Ratio	Lower	Upper
266	100		
264	64.0	49.5	74.3
268	64.0	50.6	76.0



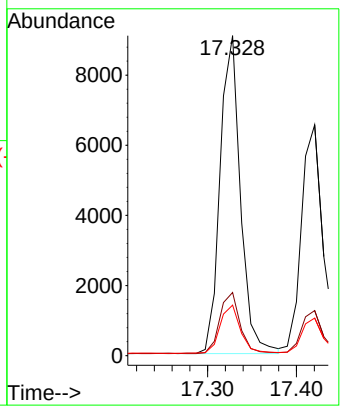


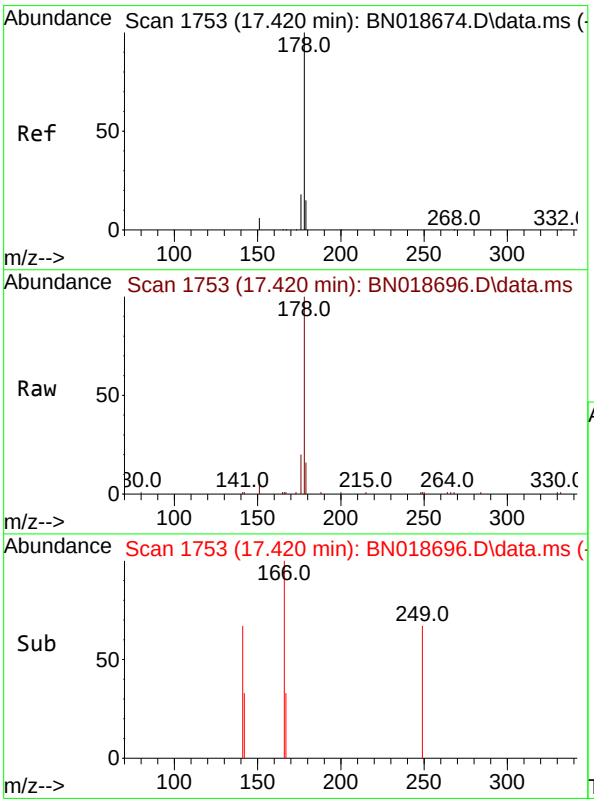
#25
Phenanthrene
Concen: 0.324 ng
RT: 17.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:178 Resp: 14451

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.3	18.5

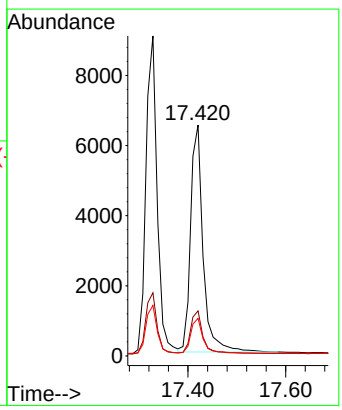


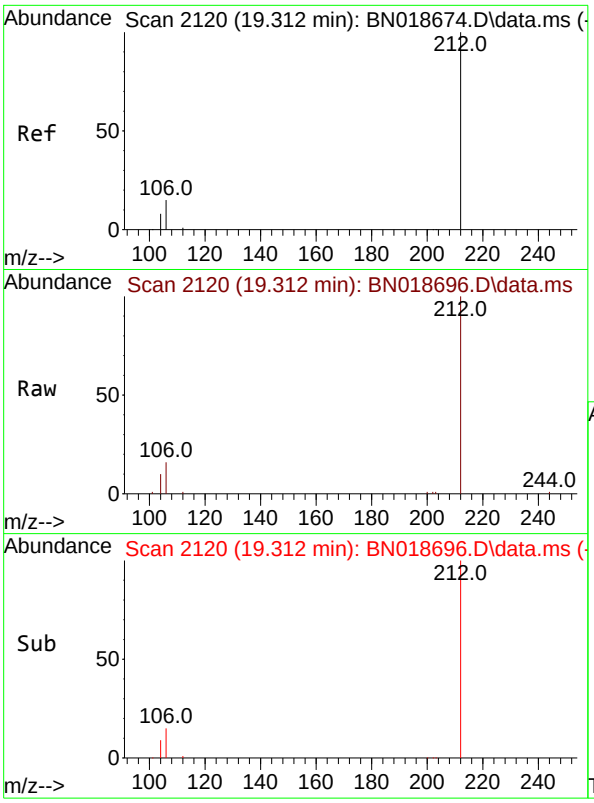


#26
Anthracene
Concen: 0.305 ng
RT: 17.420 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:178 Resp: 11499

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	14.9	12.2	18.4



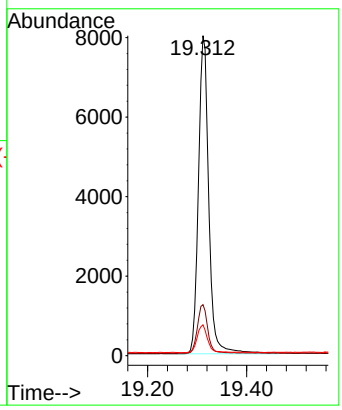


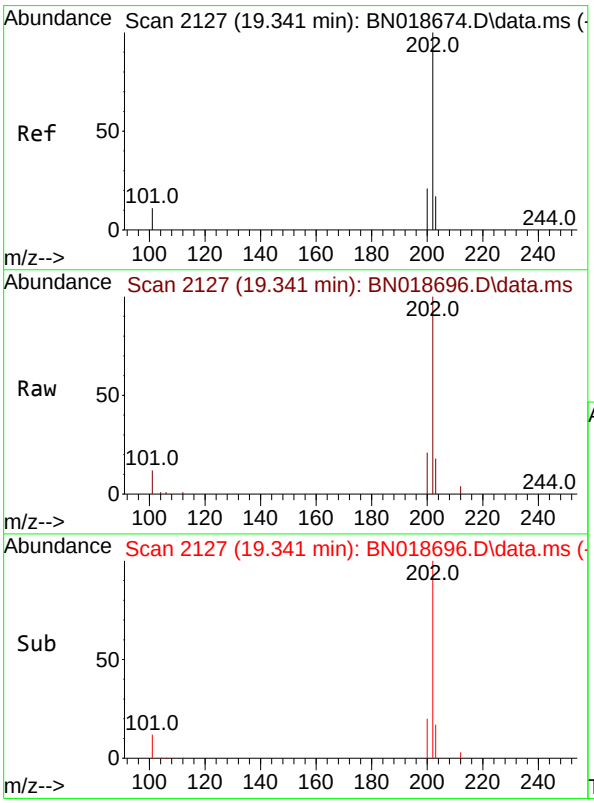
#27
Fluoranthene-d10
Concen: 0.321 ng
RT: 19.312 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:212 Resp: 11609

Ion	Ratio	Lower	Upper
212	100		
106	15.5	8.4	12.6#
104	8.8	4.5	6.7#

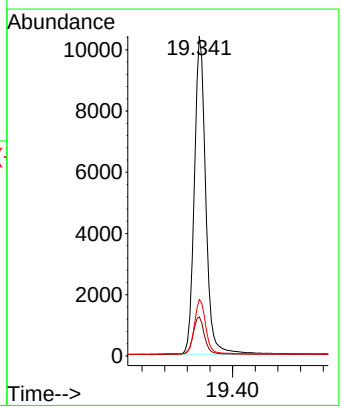


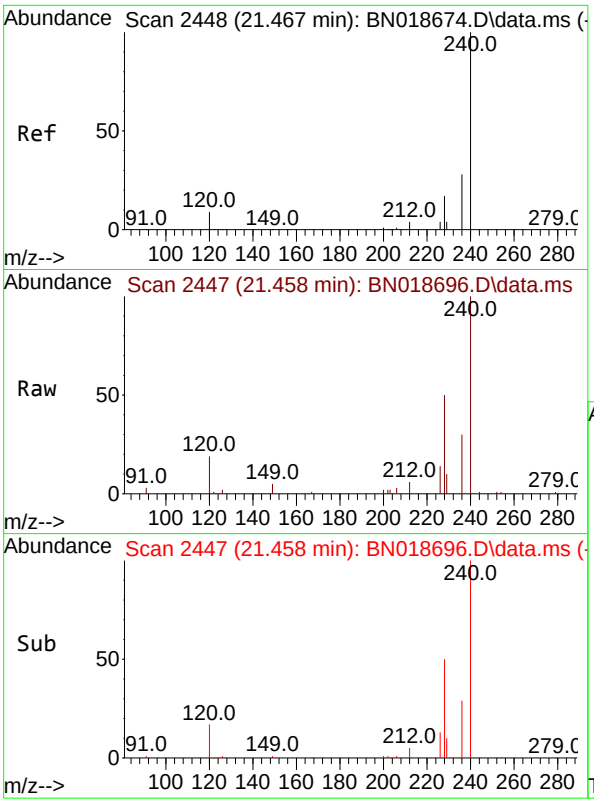


#28
Fluoranthene
Concen: 0.313 ng
RT: 19.341 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:202 Resp: 14580

Ion	Ratio	Lower	Upper
202	100		
101	11.8	7.2	10.8#
203	16.9	13.7	20.5



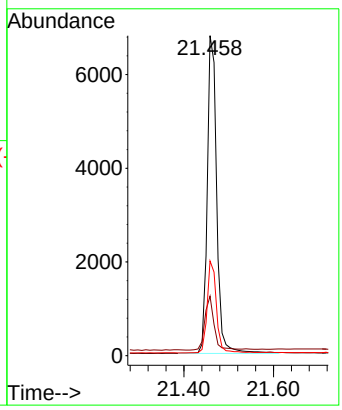


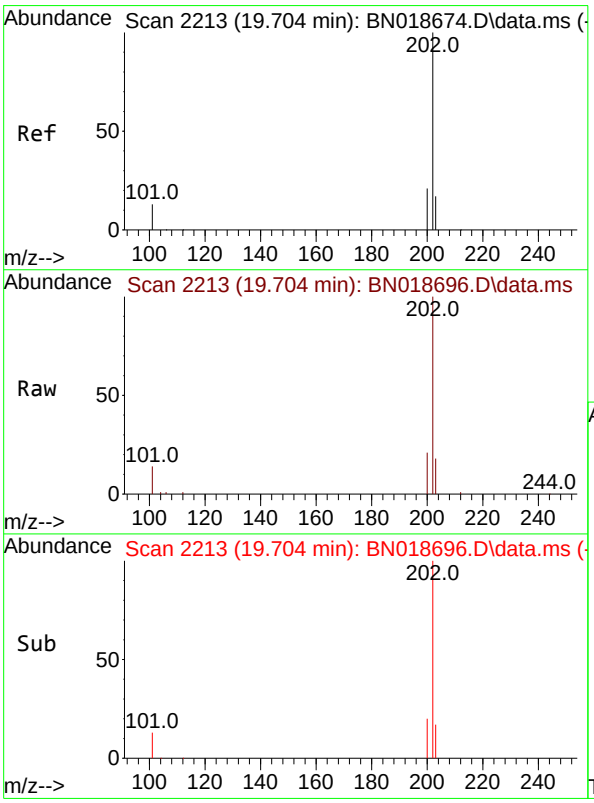
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.458 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:240 Resp: 9956

Ion	Ratio	Lower	Upper
240	100		
120	18.6	6.0	9.0#
236	29.6	21.4	32.2

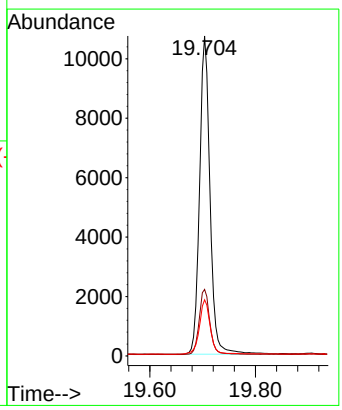


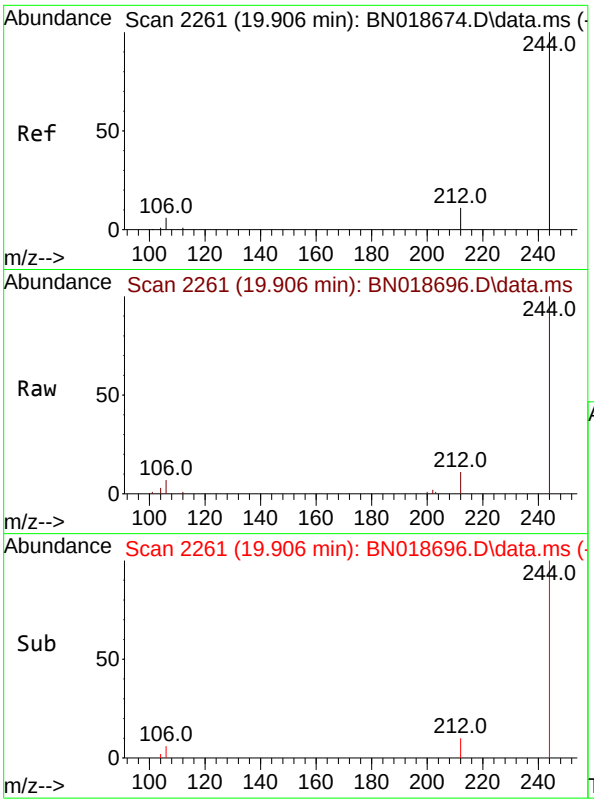


#30
Pyrene
Concen: 0.332 ng
RT: 19.704 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:202 Resp: 14747

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.7	14.1	21.1



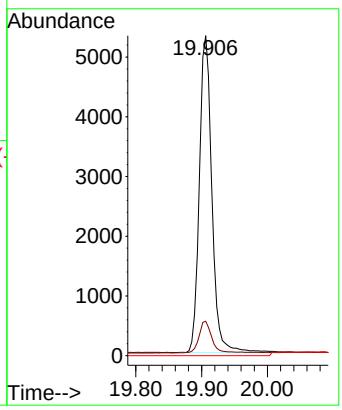


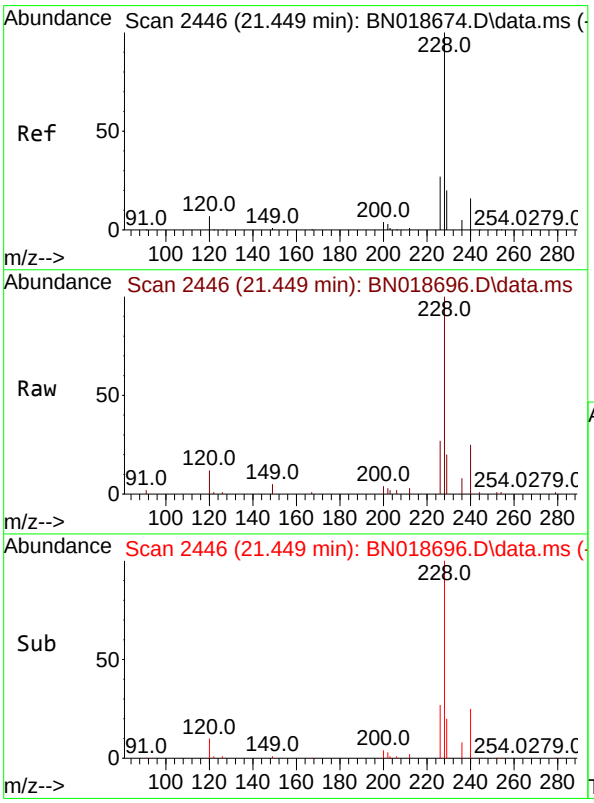
#31
Terphenyl-d14
Concen: 0.337 ng
RT: 19.906 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:244 Resp: 7286

Ion	Ratio	Lower	Upper
244	100		
212	10.8	6.2	9.2#
122	0.0	7.9	11.9#

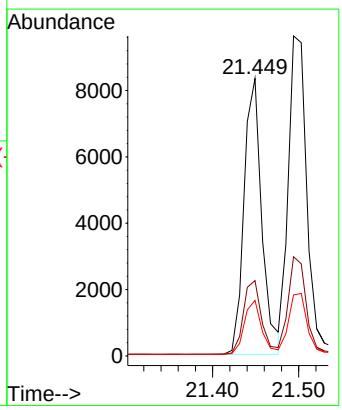


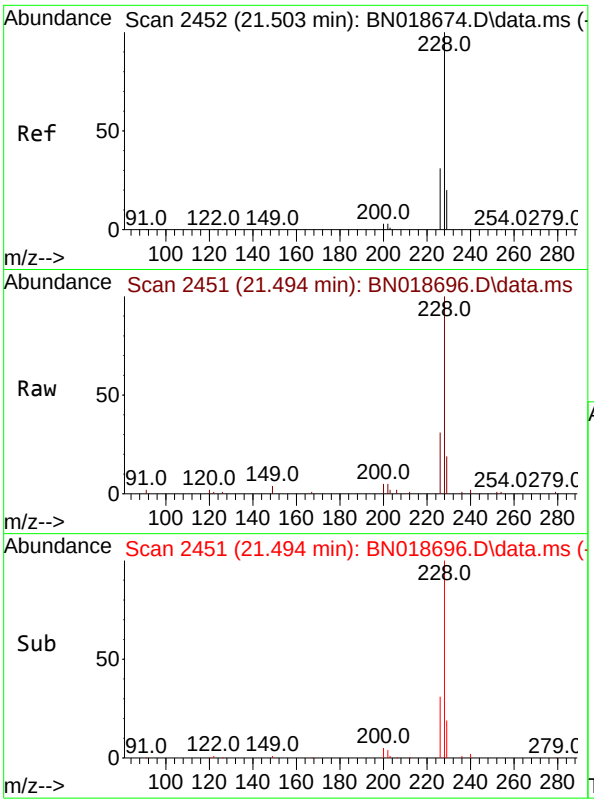


#32
Benzo(a)anthracene
Concen: 0.317 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:228 Resp: 11956

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	20.0	15.9	23.9



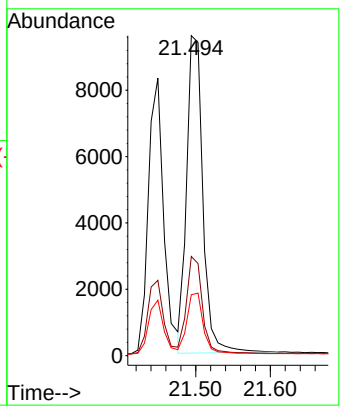


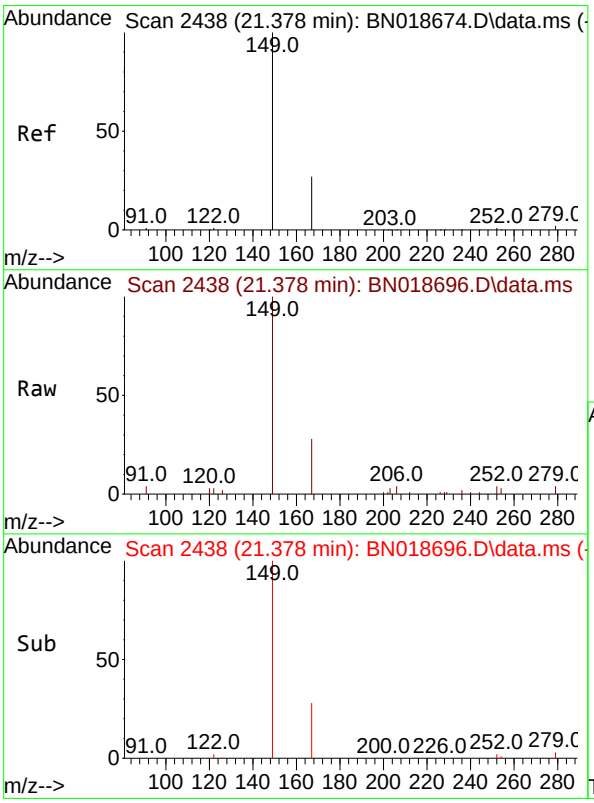
#33
Chrysene
Concen: 0.344 ng
RT: 21.494 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:228 Resp: 14484

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.4
229	19.0	15.5	23.3

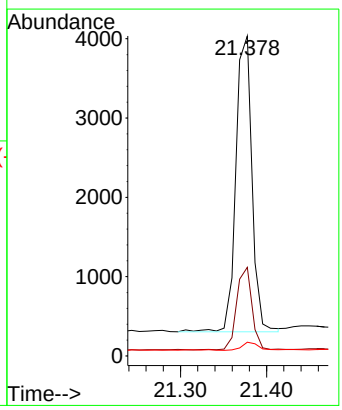


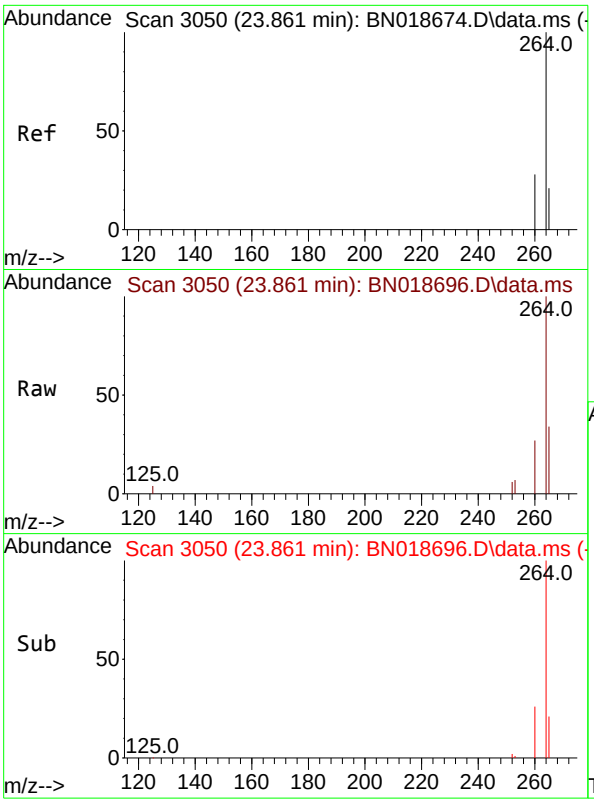


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.317 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:149 Resp: 4858

Ion	Ratio	Lower	Upper
149	100		
167	26.7	23.7	35.5
279	2.8	3.6	5.4#



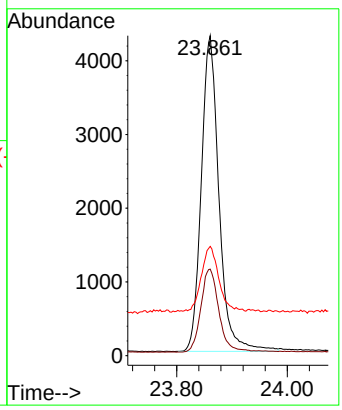


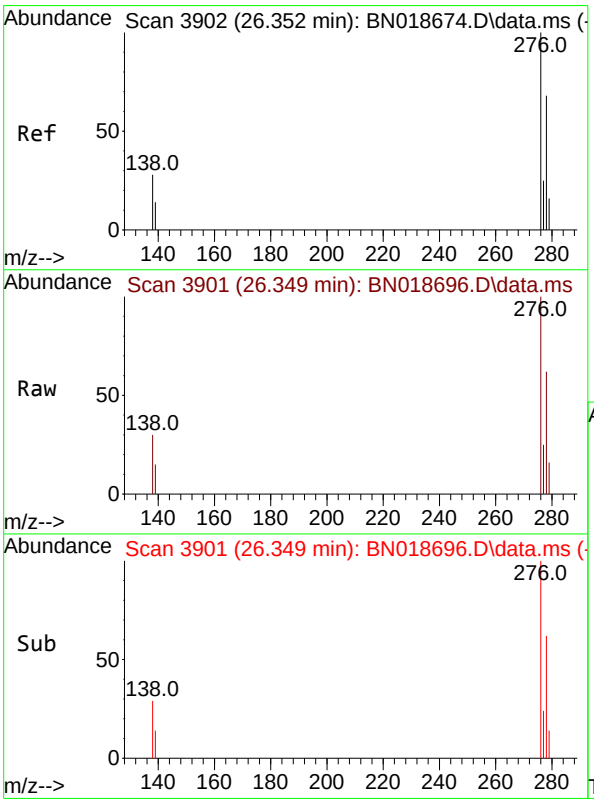
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.861 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:264 Resp: 9501

Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.2	30.4
265	34.1	18.2	27.2#

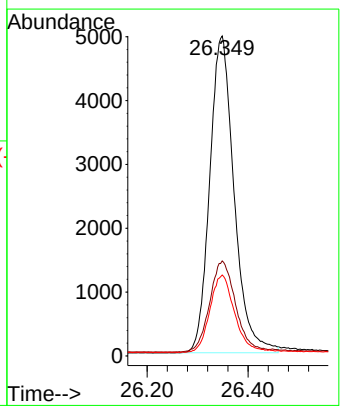


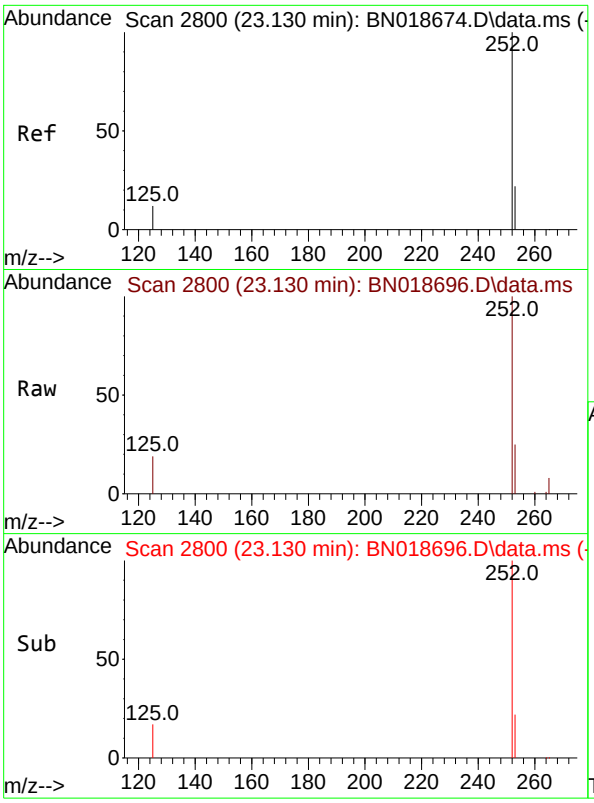


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.332 ng
RT: 26.349 min Scan# 3901
Delta R.T. -0.003 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:276 Resp: 16675

Ion	Ratio	Lower	Upper
276	100		
138	30.4	14.9	22.3#
277	24.7	19.9	29.9



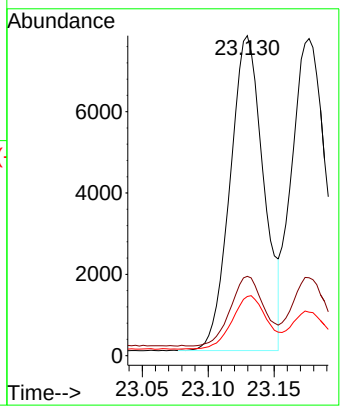


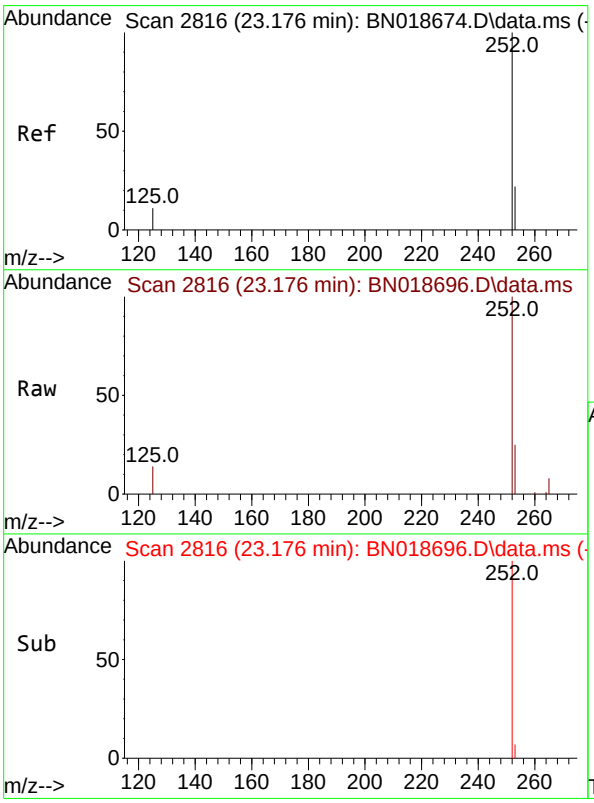
#37
Benzo(b)fluoranthene
Concen: 0.317 ng
RT: 23.130 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:252 Resp: 13680

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	18.5	6.0	9.0#

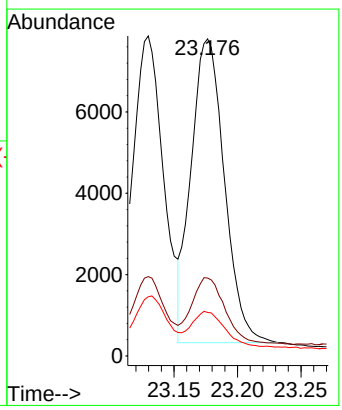


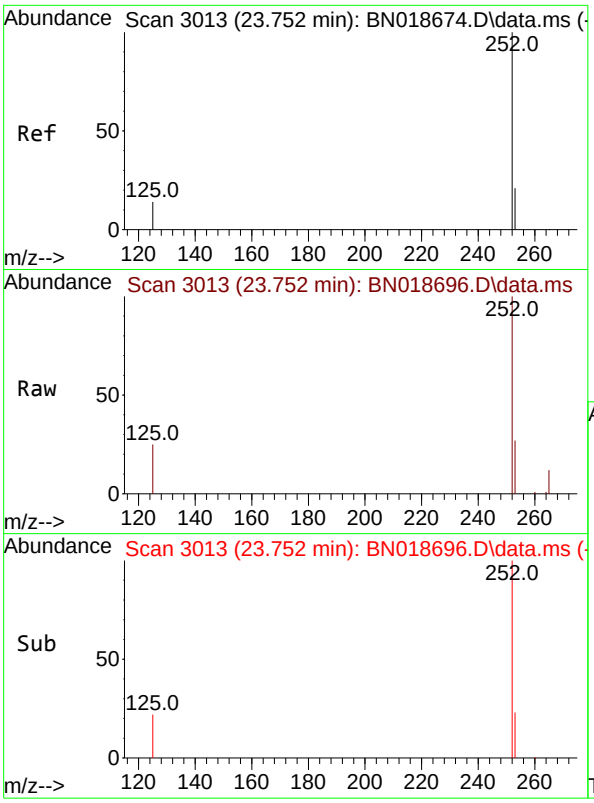


#38
Benzo(k)fluoranthene
Concen: 0.318 ng
RT: 23.176 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:252 Resp: 13627

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	13.7	6.2	9.2#



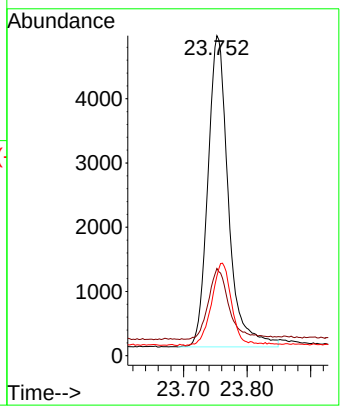


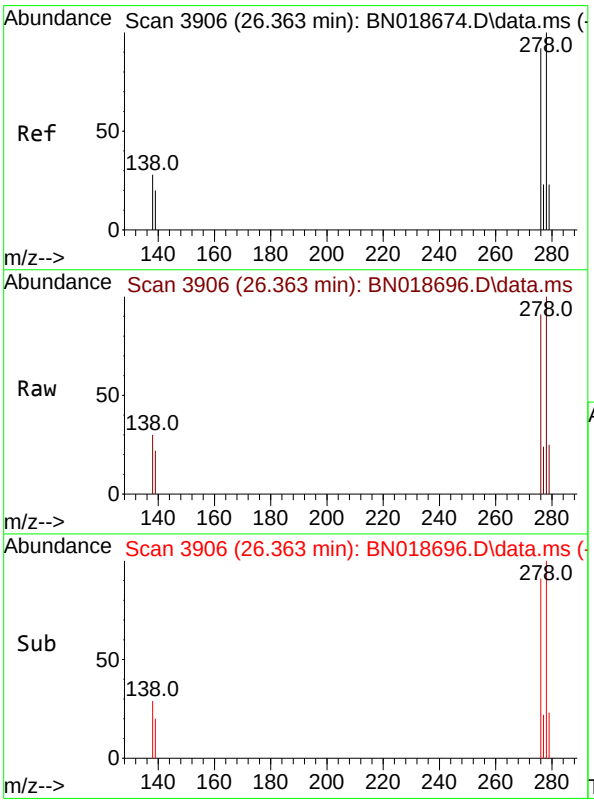
#39
Benzo(a)pyrene
Concen: 0.316 ng
RT: 23.752 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:252 Resp: 10889

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.8	26.6#
125	24.9	7.0	10.4#

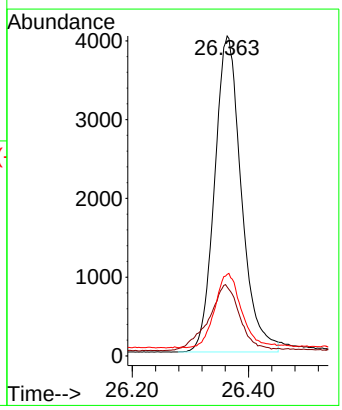


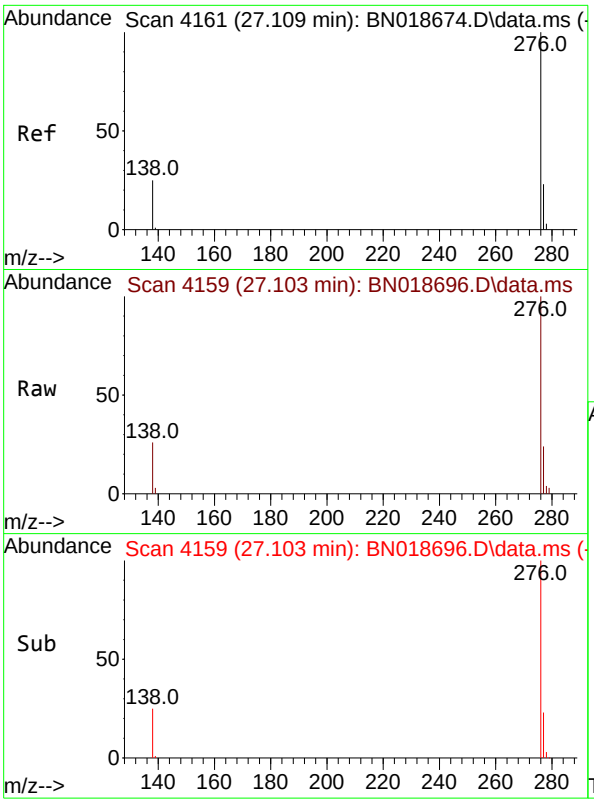


#40
Dibenzo(a,h)anthracene
Concen: 0.327 ng
RT: 26.363 min Scan# 3906
Delta R.T. 0.000 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Tgt Ion:278 Resp: 12805

Ion	Ratio	Lower	Upper
278	100		
139	21.6	10.8	16.2#
279	25.5	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 0.317 ng
RT: 27.103 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN018696.D
Acq: 23 Feb 2022 14:16

Instrument :
BNA_N
ClientSampleId :
PB142777BSD

Tgt Ion:276 Resp: 13604

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	26.4	12.6	19.0#