Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022322\
Data File : BN018695.D
Acq On : 23 Feb 2022 13:39
Operator : CG/JU
Sample : PB142611BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Quant Time: Feb 23 14:42:11 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	6206	0.400	ng		0.00
7) Naphthalene-d8	10.722	136	15627	0.400	ng	#	0.00
13) Acenaphthene-d10	14.549	164	8041	0.400	ng		0.00
19) Phenanthrene-d10	17.287	188	16031	0.400	ng		0.00
29) Chrysene-d12	21.467	240	12395	0.400	ng	#	0.00
35) Perylene-d12	23.864	264	10845	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.471	112	4589	0.323	ng		0.00
5) Phenol-d6	7.067	99	5190	0.318	ng		0.00
8) Nitrobenzene-d5	9.068	82	3600	0.298	ng		0.00
11) 2-Methylnaphthalene-d10	12.310	152	8017	0.340	ng		0.00
14) 2,4,6-Tribromophenol	16.026	330	918	0.292	ng		0.00
15) 2-Fluorobiphenyl	13.180	172	12331	0.324	ng		0.00
27) Fluoranthene-d10	19.312	212	14426	0.332	ng		0.00
31) Terphenyl-d14	19.906	244	9222	0.343	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.319	88	2499	0.347	ng	#	60
3) n-Nitrosodimethylamine	3.644	42	2345	0.328	ng	#	89
6) bis(2-Chloroethyl)ether	7.334	93	5751	0.343	ng		98
9) Naphthalene	10.776	128	15044	0.334	ng		99
10) Hexachlorobutadiene	11.075	225	3483	0.321	ng	#	100
12) 2-Methylnaphthalene	12.382	142	10367	0.343	ng		98
16) Acenaphthylene	14.271	152	11451	0.300	ng		99
17) Acenaphthene	14.613	154	8452	0.321	ng		99
18) Fluorene	15.586	166	10578	0.334	ng		99
20) 4,6-Dinitro-2-methylph...	15.661	198	536	0.302	ng		92
21) 4-Bromophenyl-phenylether	16.477	248	3450	0.303	ng		93
22) Hexachlorobenzene	16.600	284	4535	0.318	ng	#	85
23) Atrazine	16.733	200	1797	0.286	ng	#	92
24) Pentachlorophenol	16.938	266	702	0.310	ng		98
25) Phenanthrene	17.328	178	17530	0.327	ng		100
26) Anthracene	17.420	178	13696	0.301	ng		100
28) Fluoranthene	19.341	202	18470	0.329	ng	#	97
30) Pyrene	19.704	202	18596	0.336	ng		99
32) Benzo(a)anthracene	21.449	228	14704	0.313	ng		99
33) Chrysene	21.503	228	17405	0.332	ng		99
34) Bis(2-ethylhexyl)phtha...	21.378	149	6156	0.322	ng	#	94
36) Indeno(1,2,3-cd)pyrene	26.346	276	17590	0.307	ng	#	89
37) Benzo(b)fluoranthene	23.133	252	15933	0.323	ng	#	88
38) Benzo(k)fluoranthene	23.177	252	16345	0.335	ng	#	93
39) Benzo(a)pyrene	23.755	252	12531	0.319	ng	#	81
40) Dibenzo(a,h)anthracene	26.366	278	13460	0.301	ng	#	90
41) Benzo(g,h,i)perylene	27.109	276	14314	0.292	ng	#	90

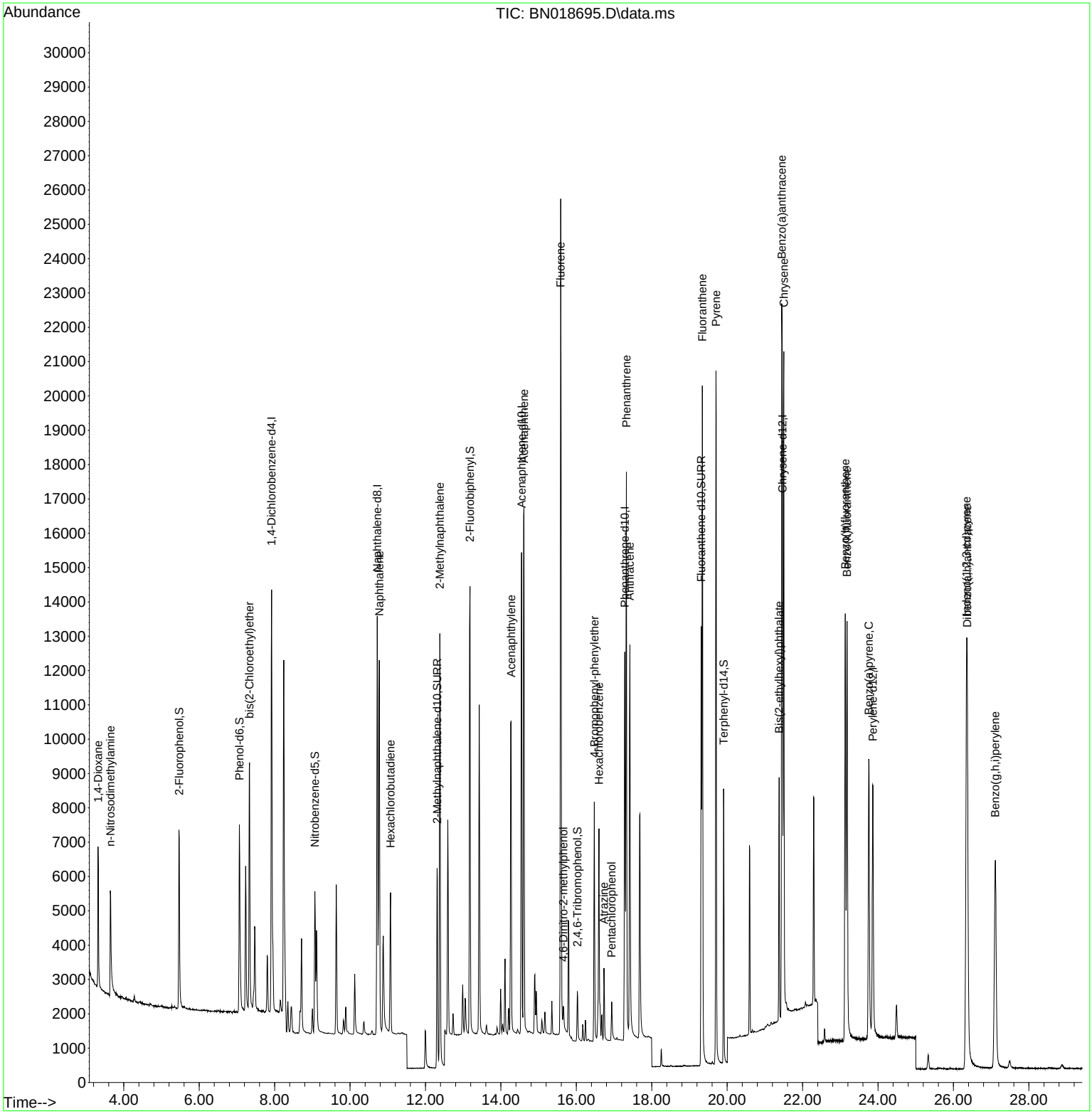
(#) = qualifier out of range (m) = manual integration (+) = signals summed

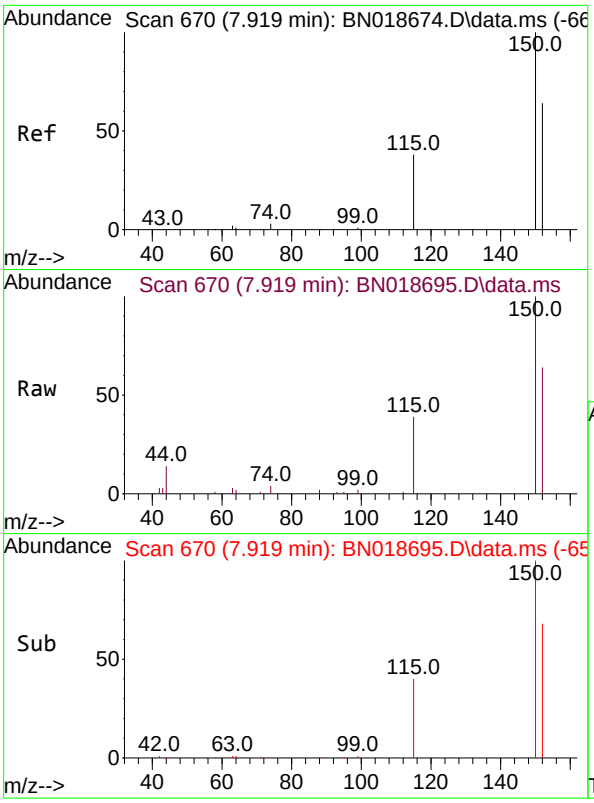
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022322\
Data File : BN018695.D
Acq On : 23 Feb 2022 13:39
Operator : CG/JU
Sample : PB142611BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Quant Time: Feb 23 14:42:11 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



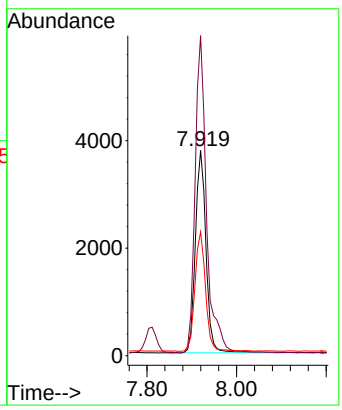


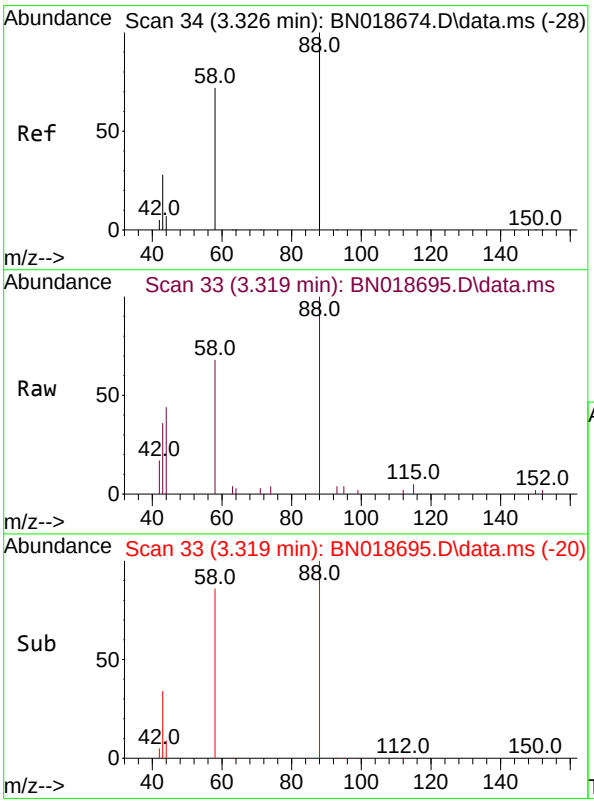
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.919 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:152 Resp: 6206

Ion	Ratio	Lower	Upper
152	100		
150	156.0	121.7	182.5
115	60.3	43.8	65.8

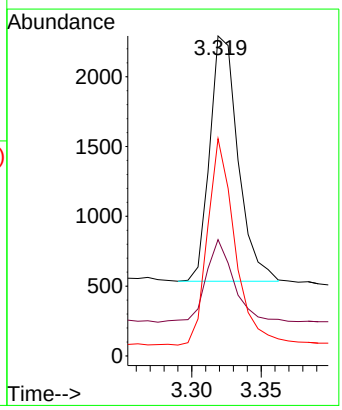


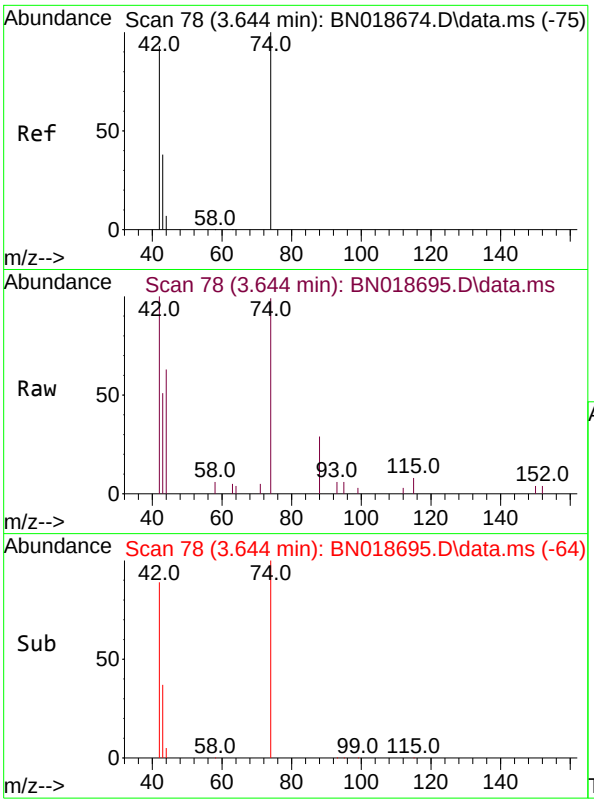


#2
1,4-Dioxane
Concen: 0.347 ng
RT: 3.319 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion: 88 Resp: 2499

Ion	Ratio	Lower	Upper
88	100		
43	33.0	69.7	104.5#
58	80.4	83.8	125.8#



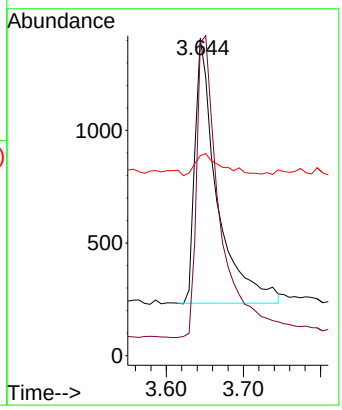


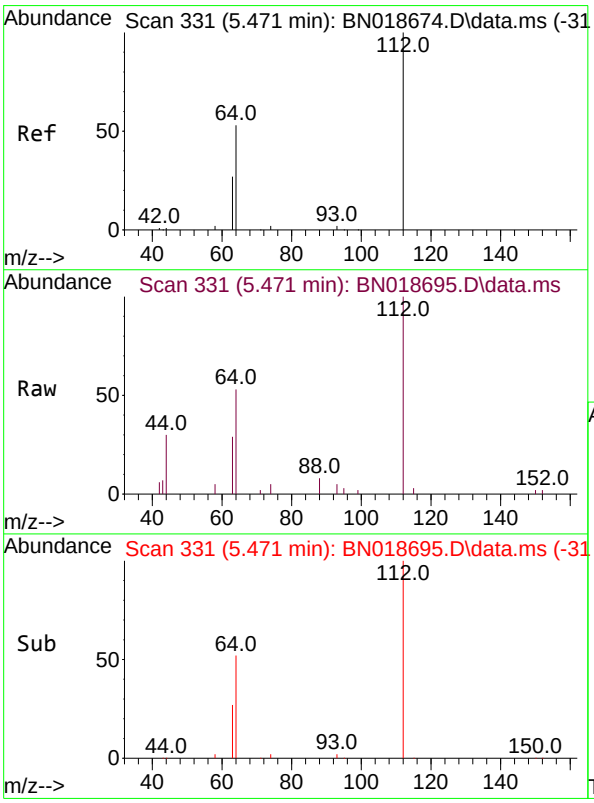
#3
n-Nitrosodimethylamine
Concen: 0.328 ng
RT: 3.644 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion: 42 Resp: 2345

Ion	Ratio	Lower	Upper
42	100		
74	122.0	108.6	163.0
44	10.1	5.8	8.8#

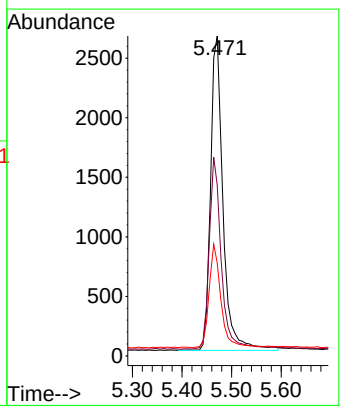


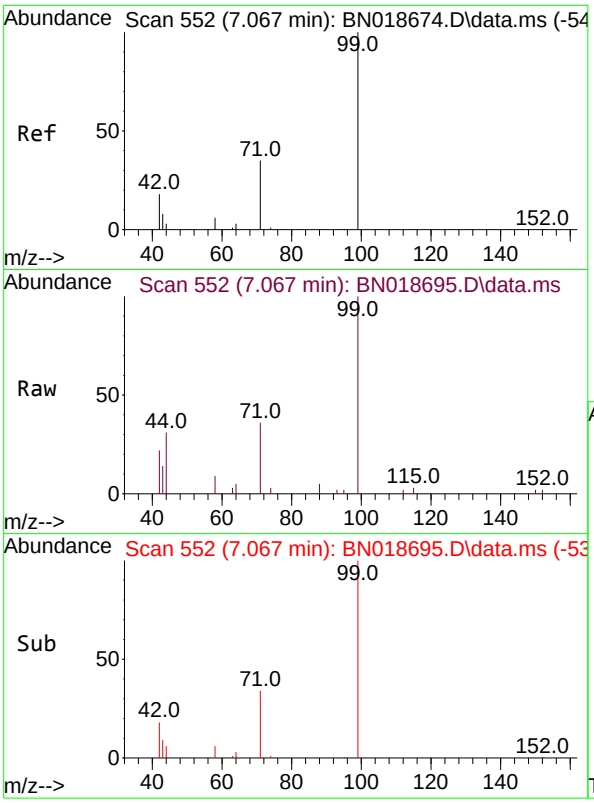


#4
2-Fluorophenol
Concen: 0.323 ng
RT: 5.471 min Scan# 331
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:112 Resp: 4589

Ion	Ratio	Lower	Upper
112	100		
64	59.4	48.0	72.0
63	31.3	25.3	37.9



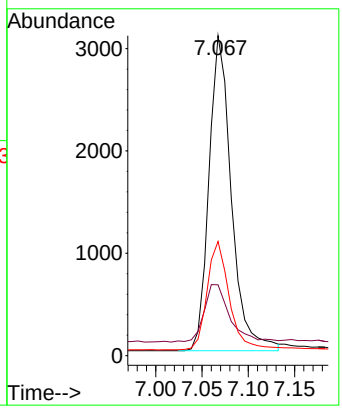


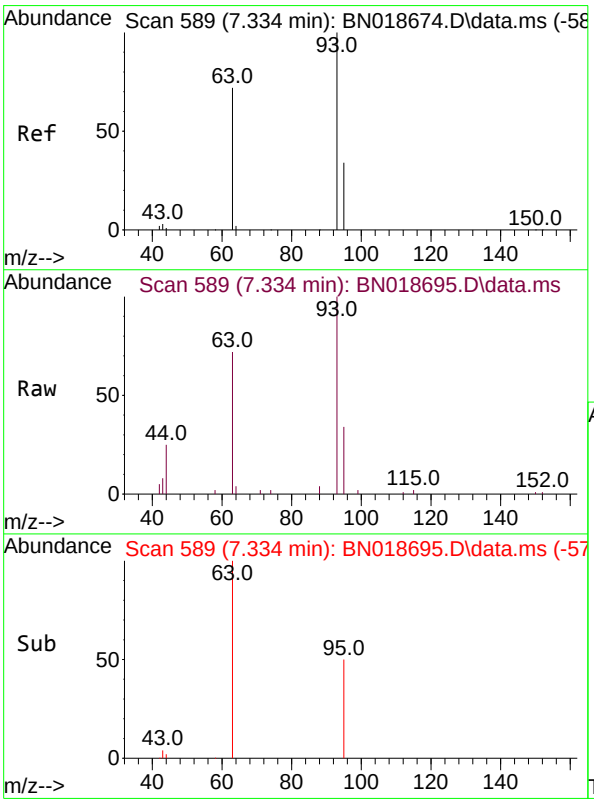
#5
Phenol-d6
Concen: 0.318 ng
RT: 7.067 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion: 99 Resp: 5190

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	34.2	26.8	40.2

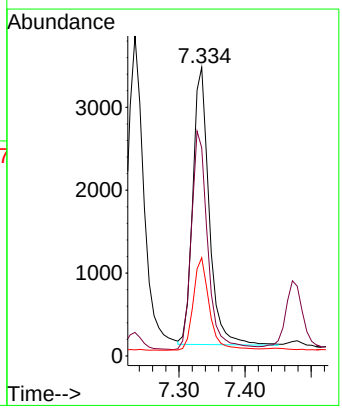


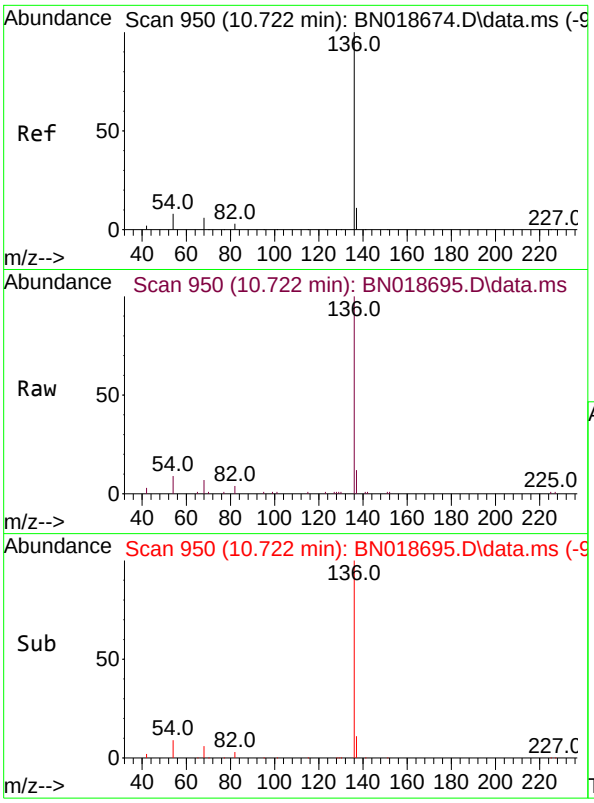


#6
bis(2-Chloroethyl)ether
Concen: 0.343 ng
RT: 7.334 min Scan# 589
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion: 93 Resp: 5751

Ion	Ratio	Lower	Upper
93	100		
63	79.4	61.7	92.5
95	33.1	26.2	39.4



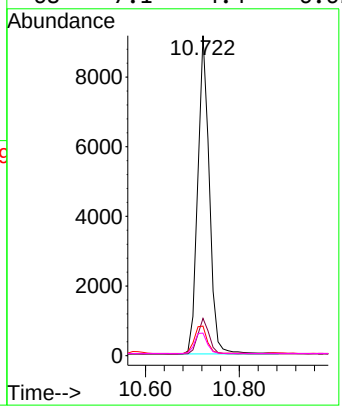


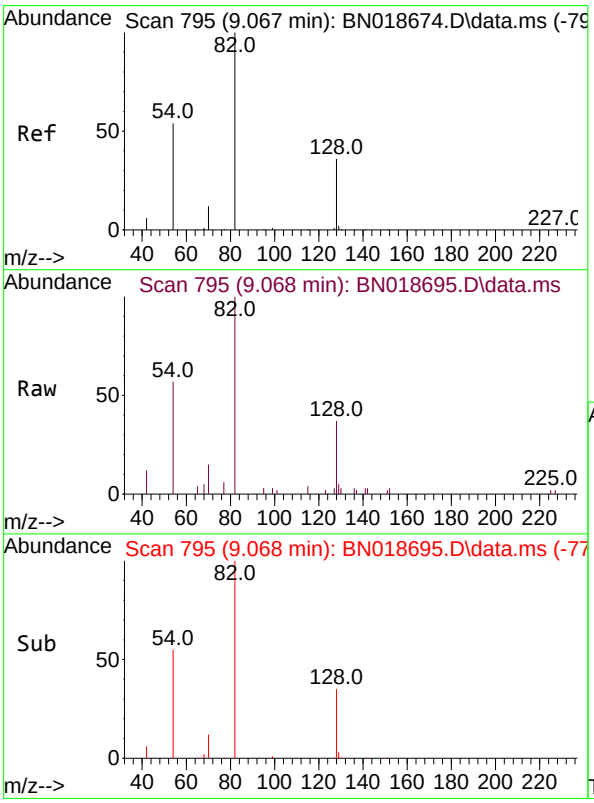
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:136 Resp: 15627

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	9.3	5.0	7.6#
68	7.1	4.4	6.6#

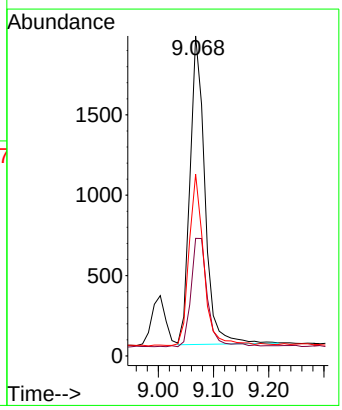


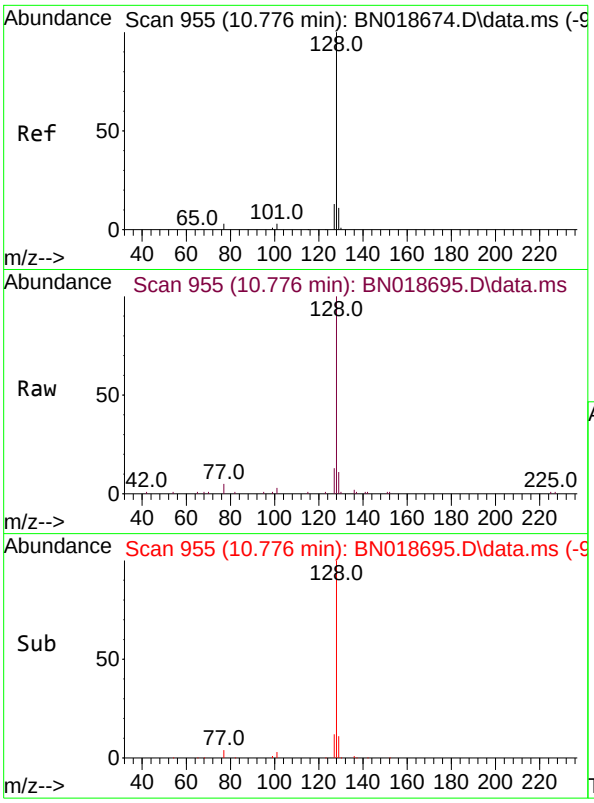


#8
Nitrobenzene-d5
Concen: 0.298 ng
RT: 9.068 min Scan# 795
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion: 82 Resp: 3600

Ion	Ratio	Lower	Upper
82	100		
128	36.8	33.7	50.5
54	56.8	36.6	55.0#



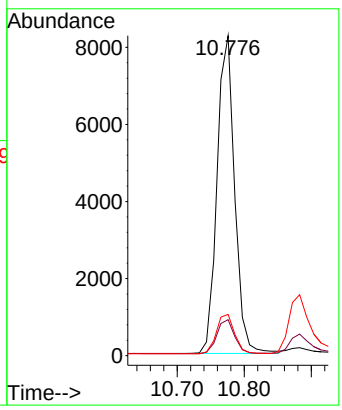


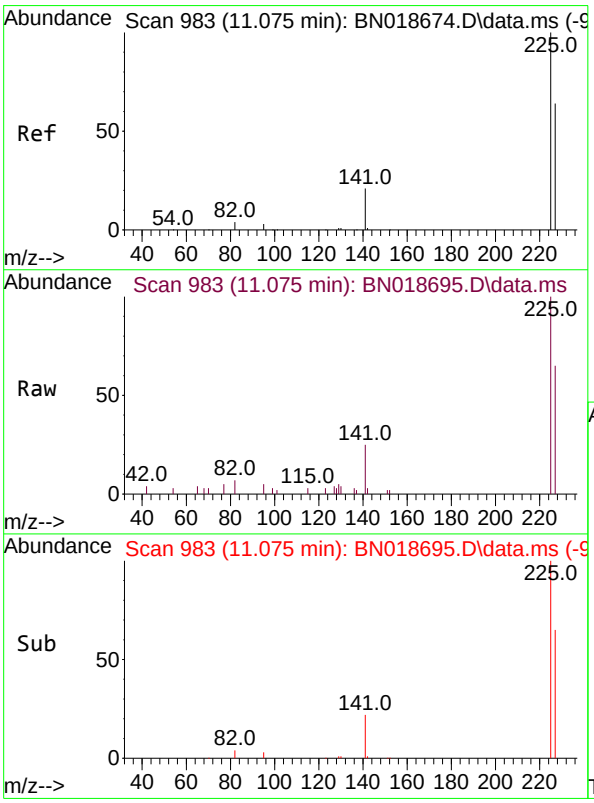
#9
Naphthalene
Concen: 0.334 ng
RT: 10.776 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:128 Resp: 15044

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.9	10.4	15.6

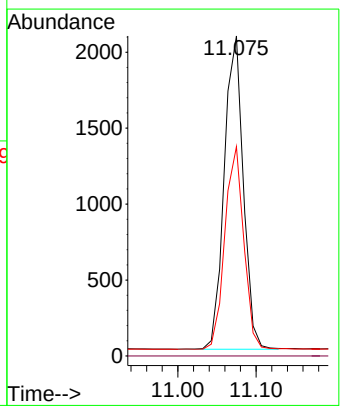


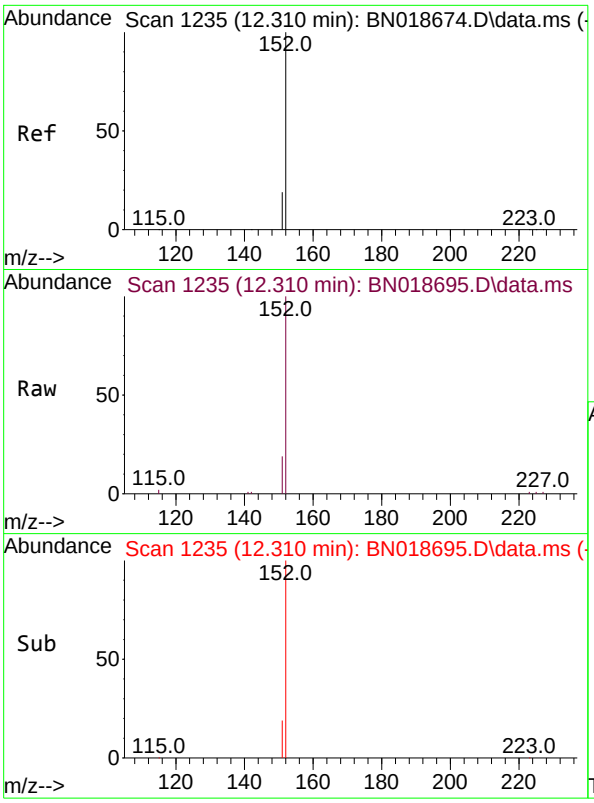


#10
Hexachlorobutadiene
Concen: 0.321 ng
RT: 11.075 min Scan# 983
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:225 Resp: 3483

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.0	76.6



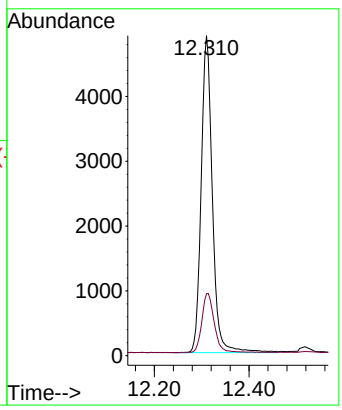


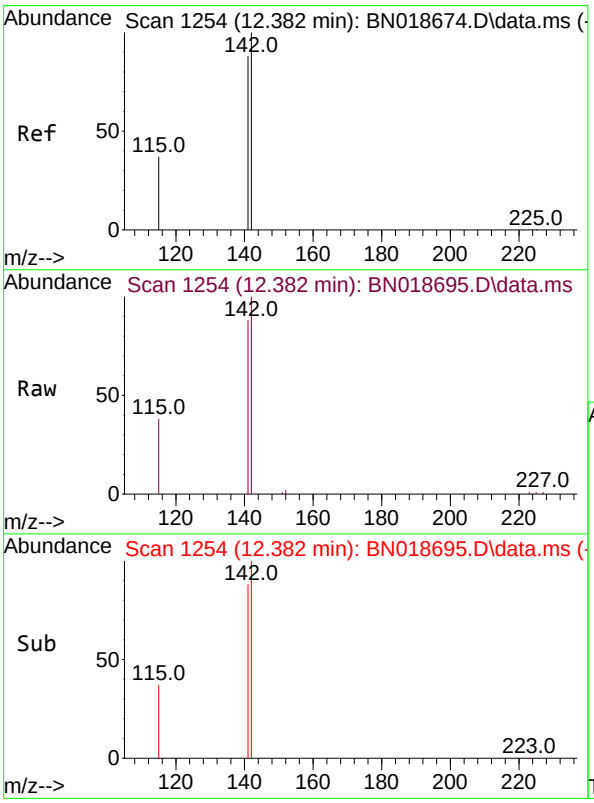
#11
2-Methylnaphthalene-d10
Concen: 0.340 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:152 Resp: 8017

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.2

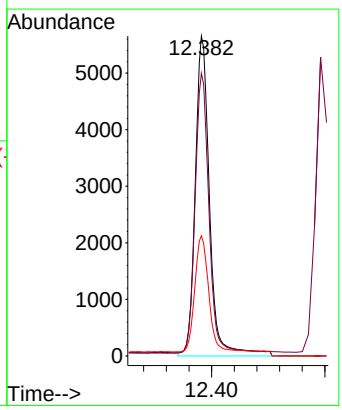


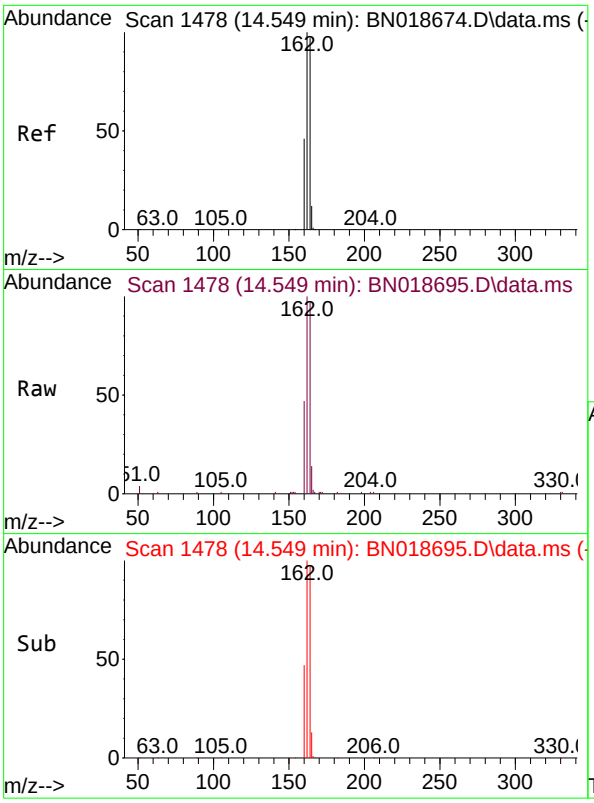


#12
2-Methylnaphthalene
Concen: 0.343 ng
RT: 12.382 min Scan# 1254
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:142 Resp: 10367

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.0	105.0
115	37.6	27.8	41.8



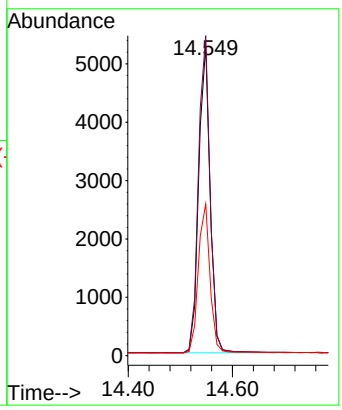


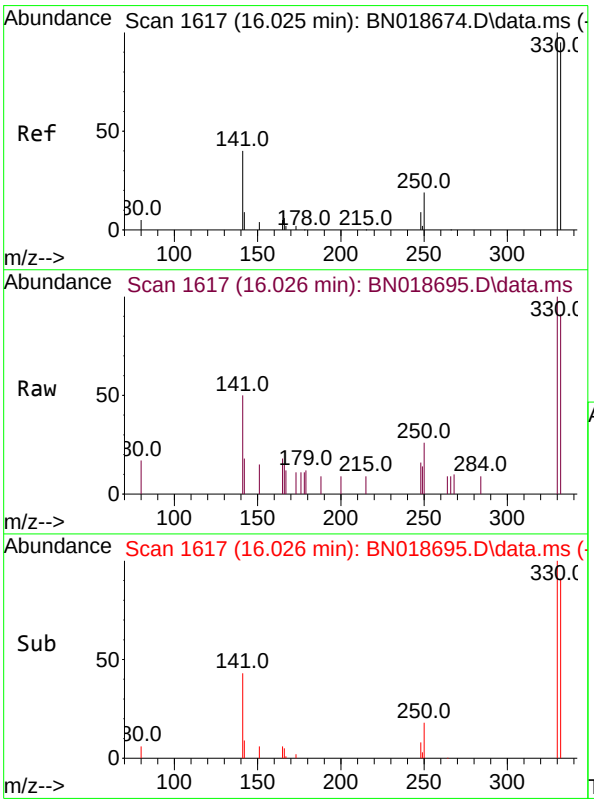
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.549 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:164 Resp: 8041

Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.2	120.2
160	48.9	36.9	55.3

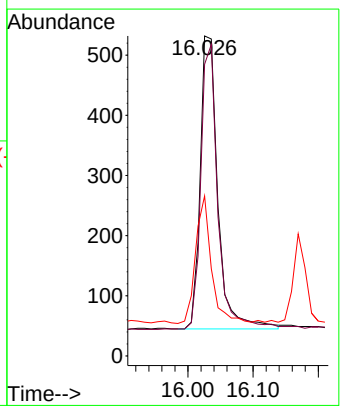


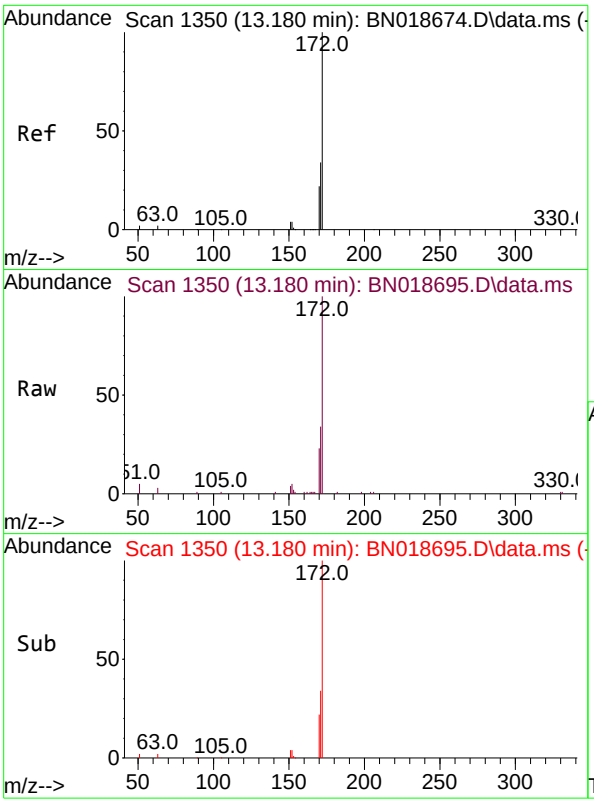


#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 16.026 min Scan# 1617
Delta R.T. 0.001 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:330 Resp: 918

Ion	Ratio	Lower	Upper
330	100		
332	94.1	0.0	0.0#
141	39.1	21.3	31.9#



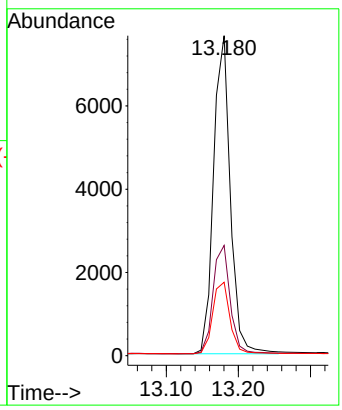


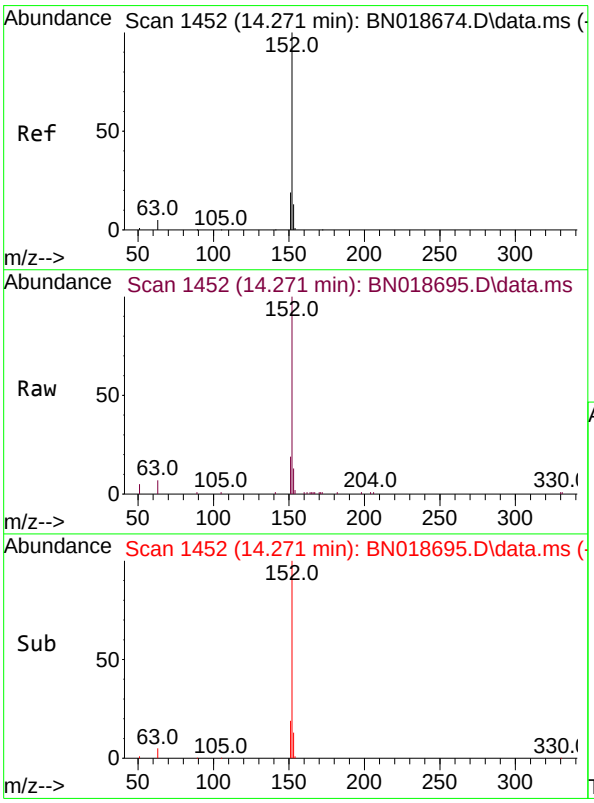
#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 13.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:172 Resp: 12331

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.0
170	22.9	18.4	27.6

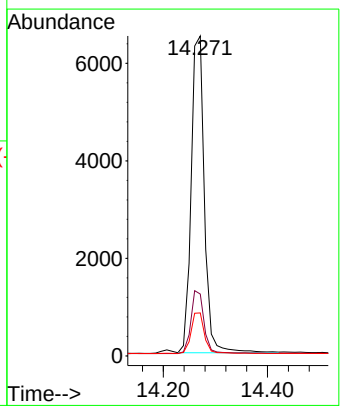


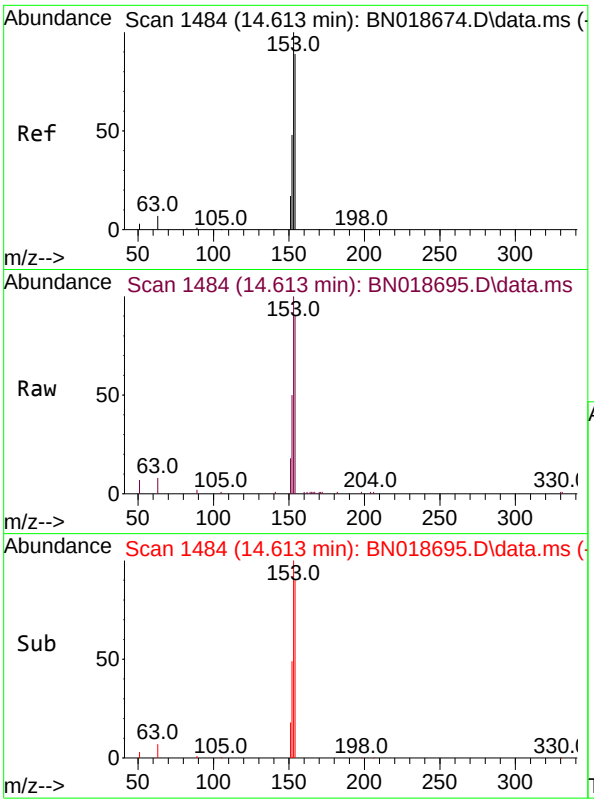


#16
Acenaphthylene
Concen: 0.300 ng
RT: 14.271 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:152 Resp: 11451

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.5	10.5	15.7



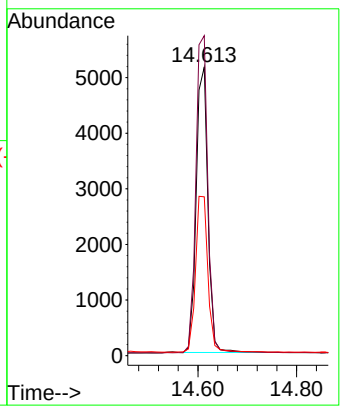


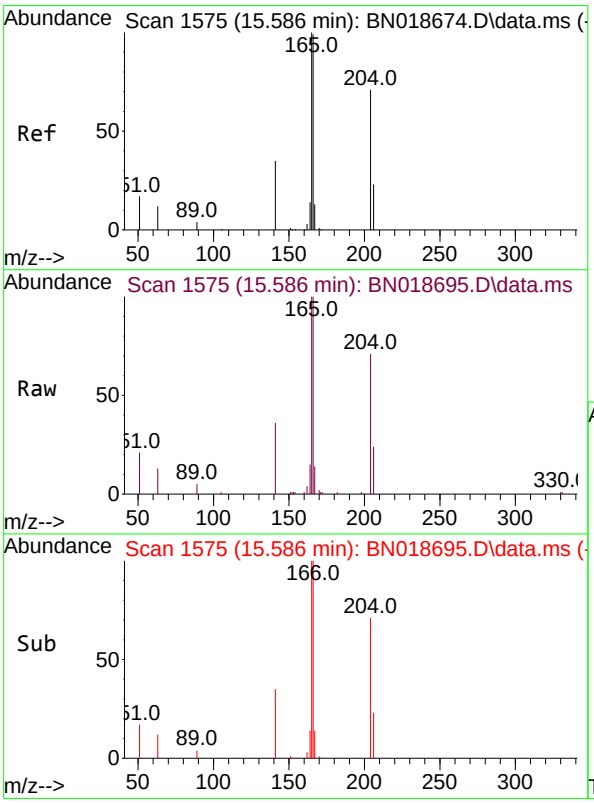
#17
Acenaphthene
Concen: 0.321 ng
RT: 14.613 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:154 Resp: 8452

Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.9	136.3
152	57.4	45.0	67.4

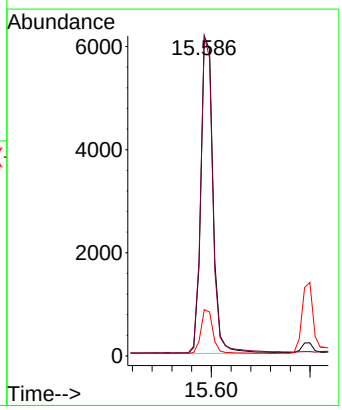


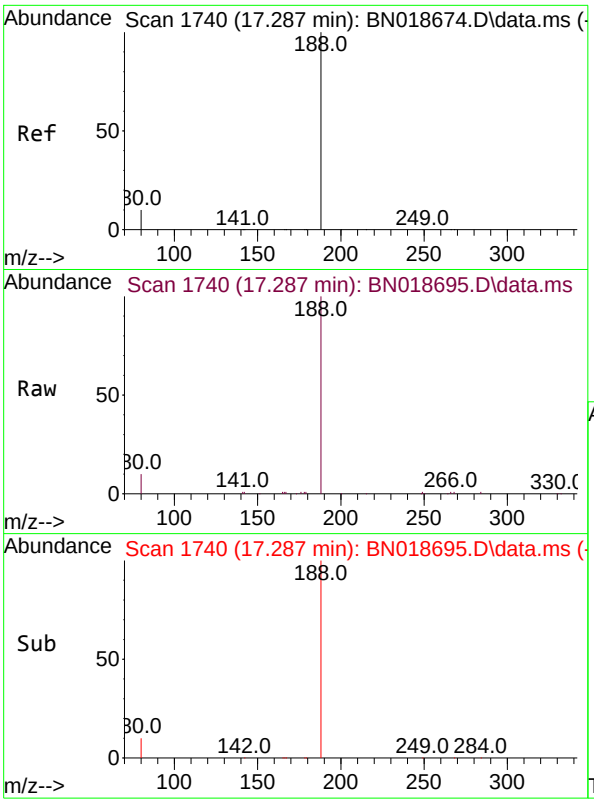


#18
Fluorene
Concen: 0.334 ng
RT: 15.586 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:166 Resp: 10578

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.8	116.6
167	13.8	10.9	16.3



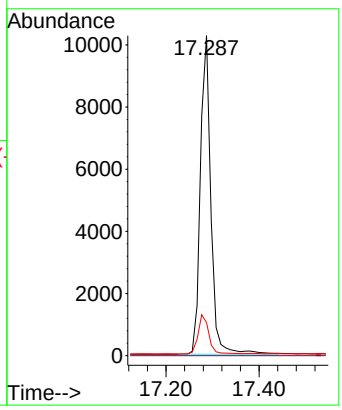


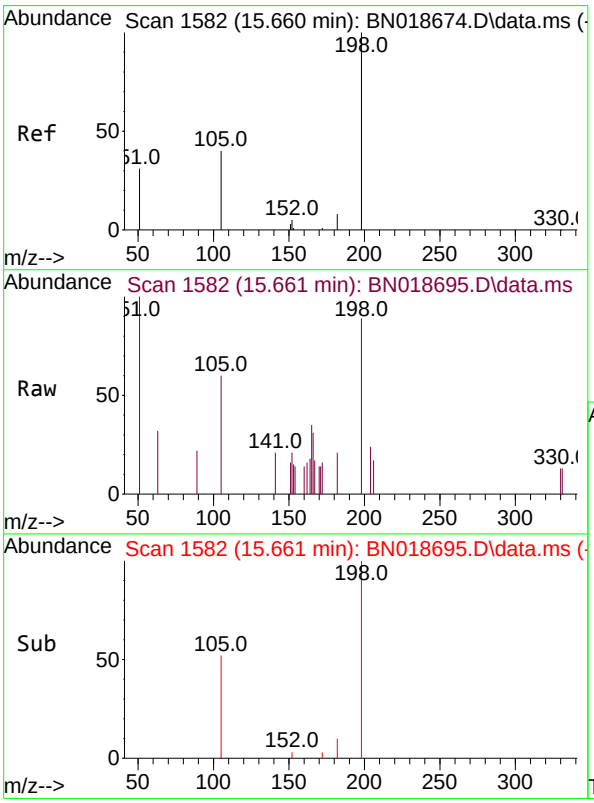
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:188 Resp: 16031

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

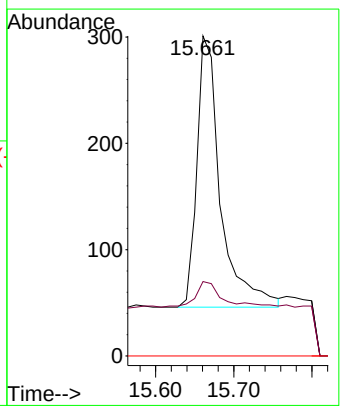


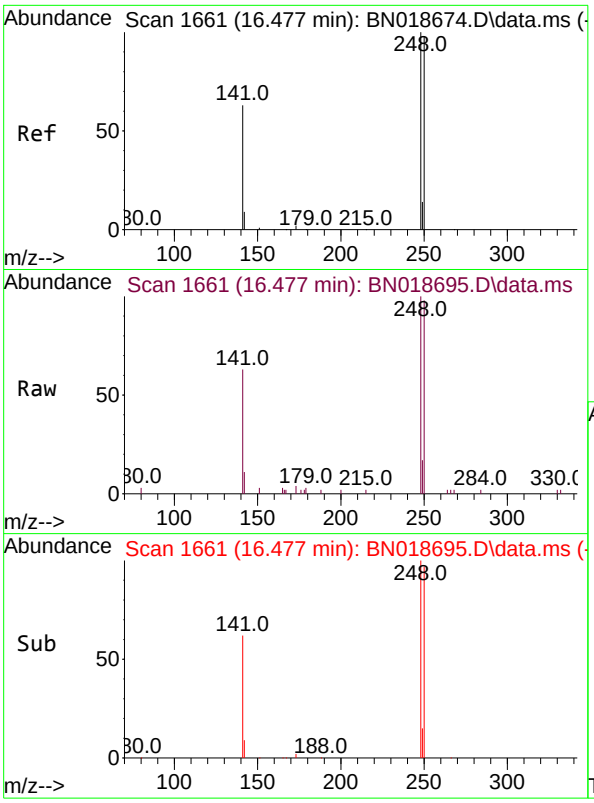


#20
4,6-Dinitro-2-methylphenol
Concen: 0.302 ng
RT: 15.661 min Scan# 1582
Delta R.T. 0.001 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:198 Resp: 536

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



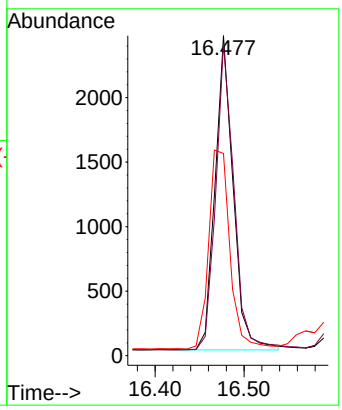


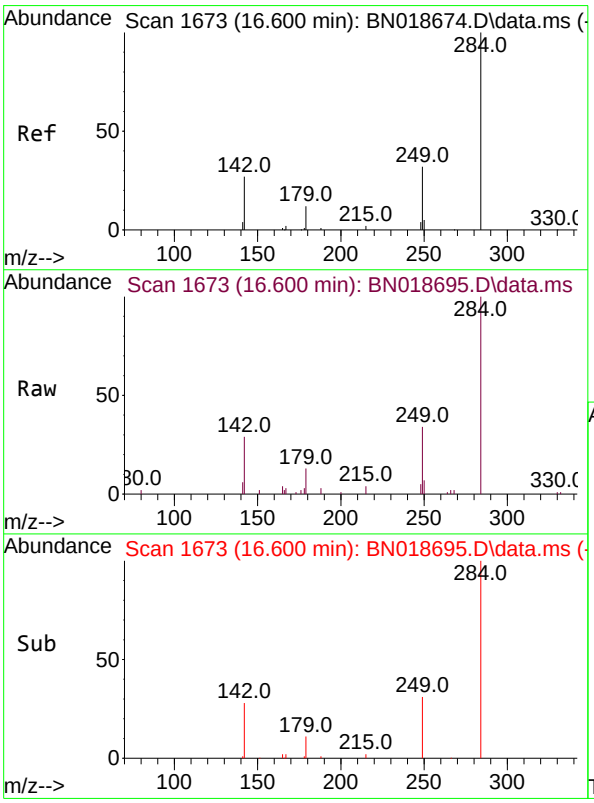
#21
4-Bromophenyl-phenylether
Concen: 0.303 ng
RT: 16.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:248 Resp: 3450

Ion	Ratio	Lower	Upper
248	100		
250	97.5	74.4	111.6
141	63.2	43.7	65.5

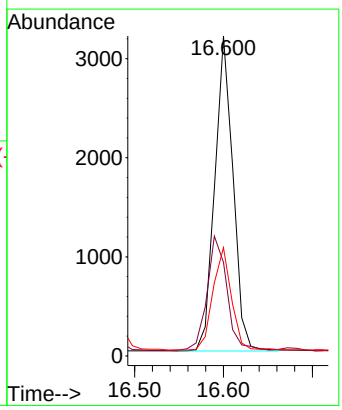


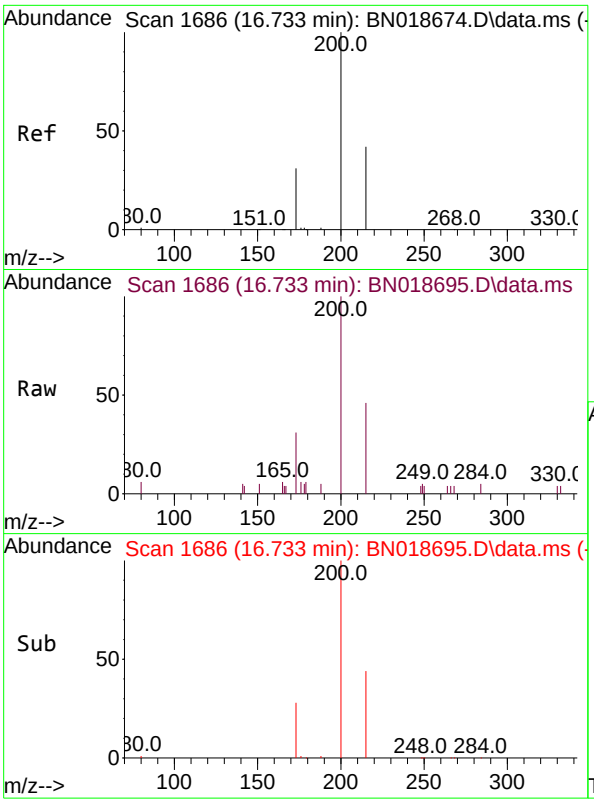


#22
Hexachlorobenzene
Concen: 0.318 ng
RT: 16.600 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:284 Resp: 4535

Ion	Ratio	Lower	Upper
284	100		
142	39.5	21.6	32.4#
249	33.0	23.5	35.3



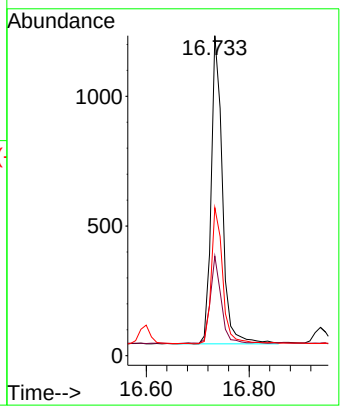


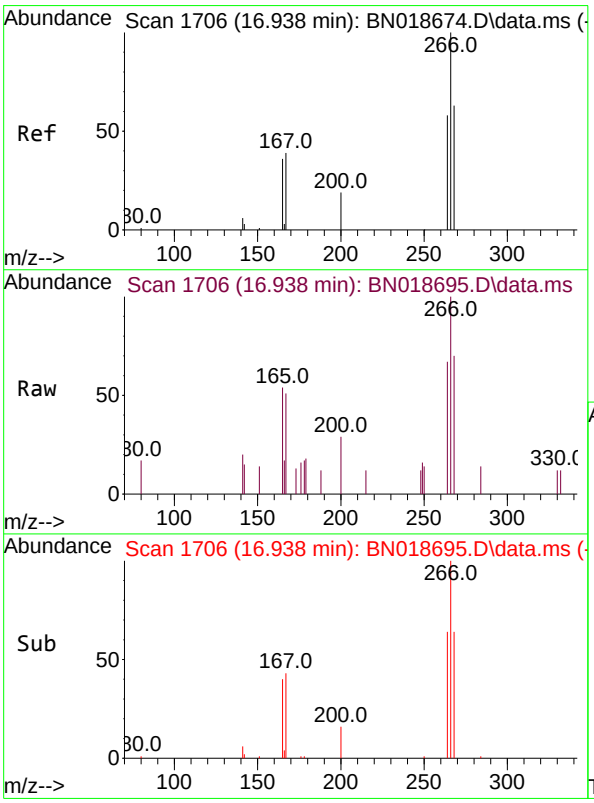
#23
Atrazine
Concen: 0.286 ng
RT: 16.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:200 Resp: 1797

Ion	Ratio	Lower	Upper
200	100		
173	31.1	20.3	30.5#
215	46.3	40.4	60.6

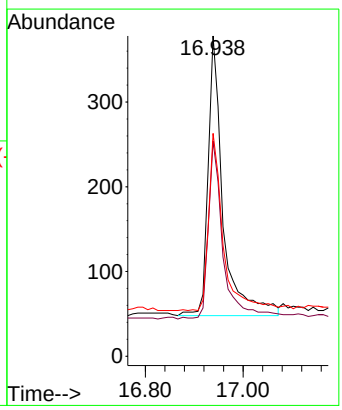


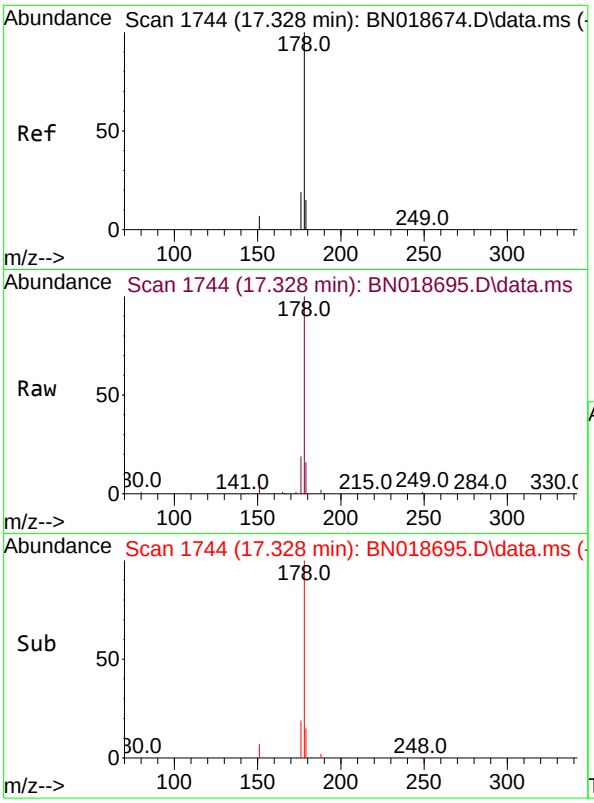


#24
Pentachlorophenol
Concen: 0.310 ng
RT: 16.938 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:266 Resp: 702

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.5	74.3
268	62.1	50.6	76.0



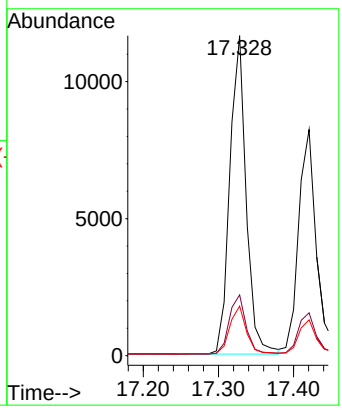


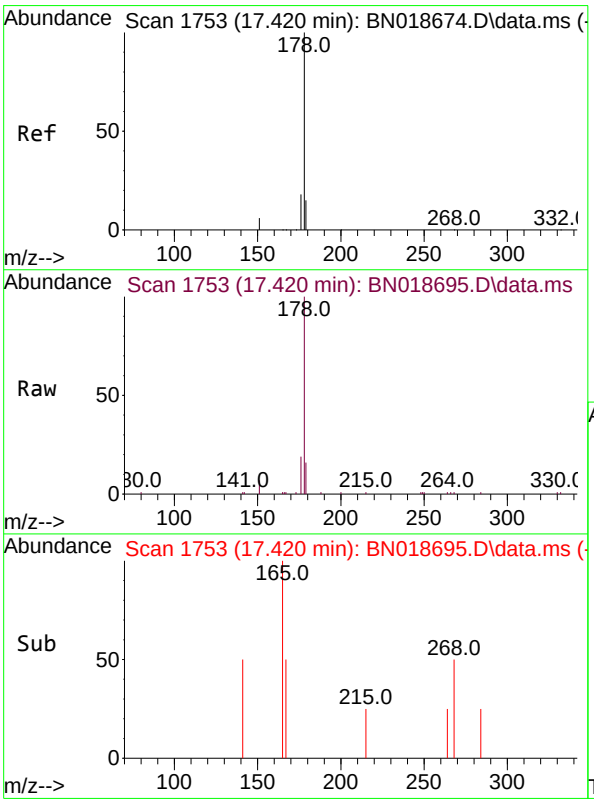
#25
Phenanthrene
Concen: 0.327 ng
RT: 17.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:178 Resp: 17530

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.3	18.5

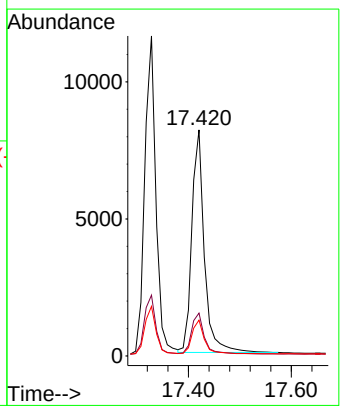


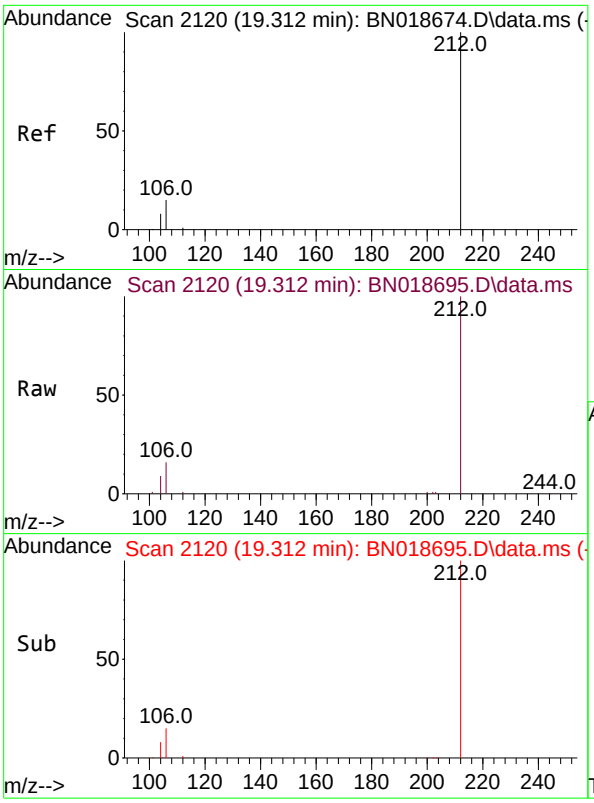


#26
Anthracene
Concen: 0.301 ng
RT: 17.420 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:178 Resp: 13696

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4



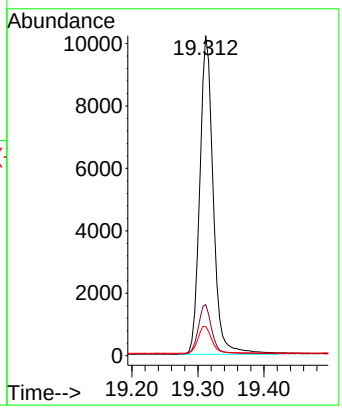


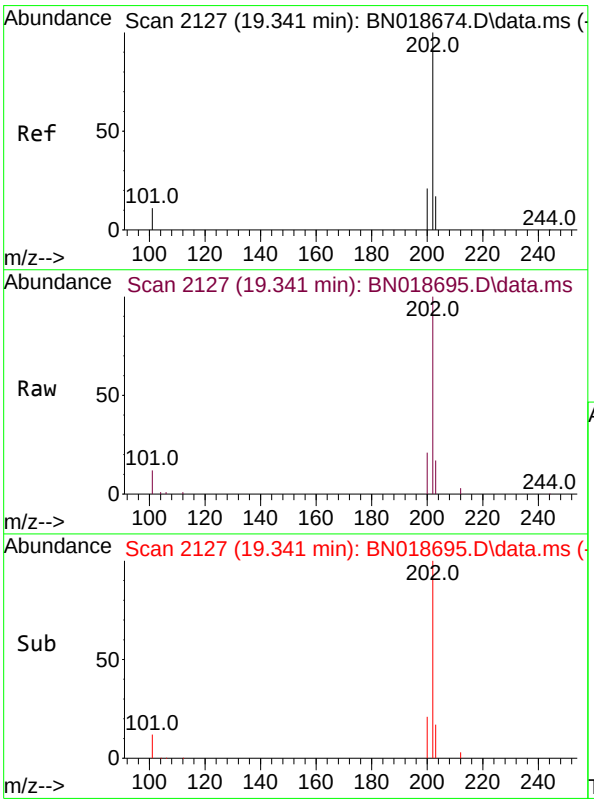
#27
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.312 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:212 Resp: 14426

Ion	Ratio	Lower	Upper
212	100		
106	15.6	8.4	12.6#
104	8.9	4.5	6.7#

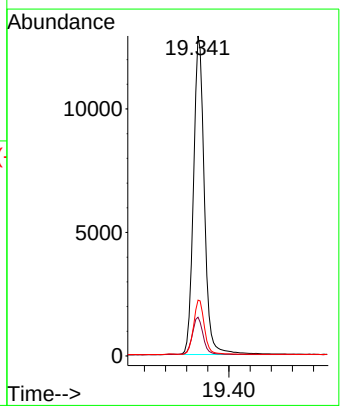


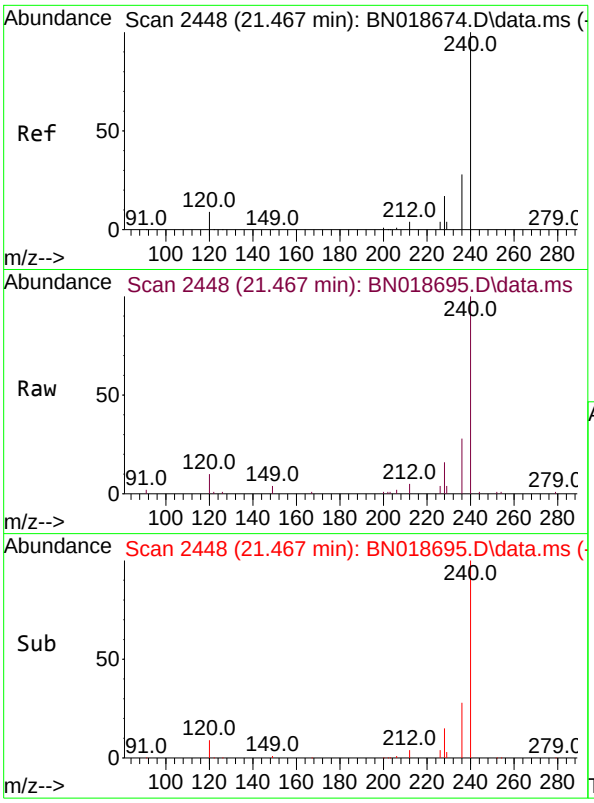


#28
Fluoranthene
Concen: 0.329 ng
RT: 19.341 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:202 Resp: 18470

Ion	Ratio	Lower	Upper
202	100		
101	12.0	7.2	10.8#
203	16.9	13.7	20.5



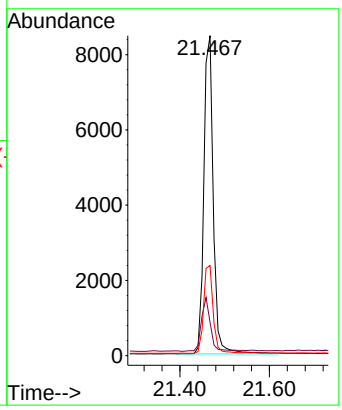


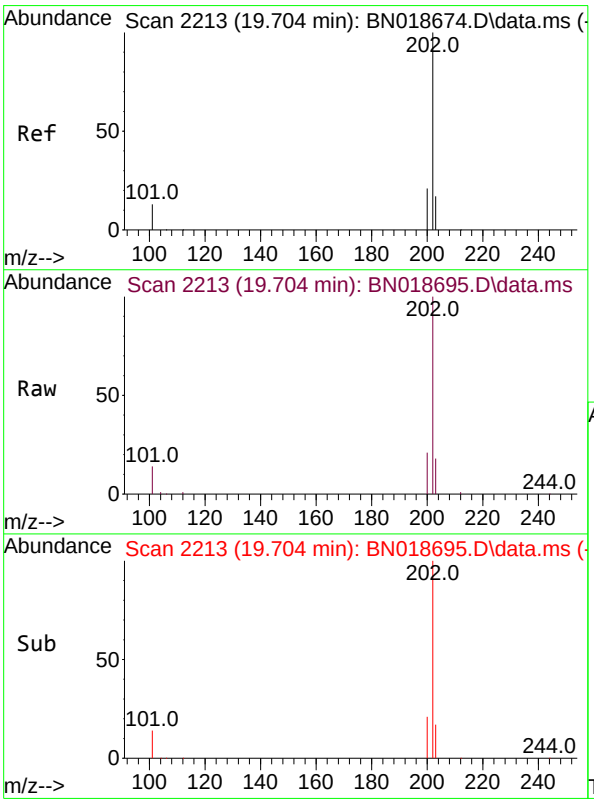
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.467 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:240 Resp: 12395

Ion	Ratio	Lower	Upper
240	100		
120	10.5	6.0	9.0#
236	28.2	21.4	32.2

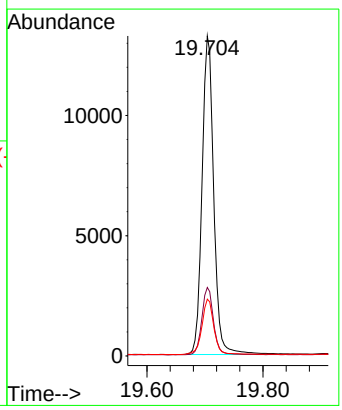


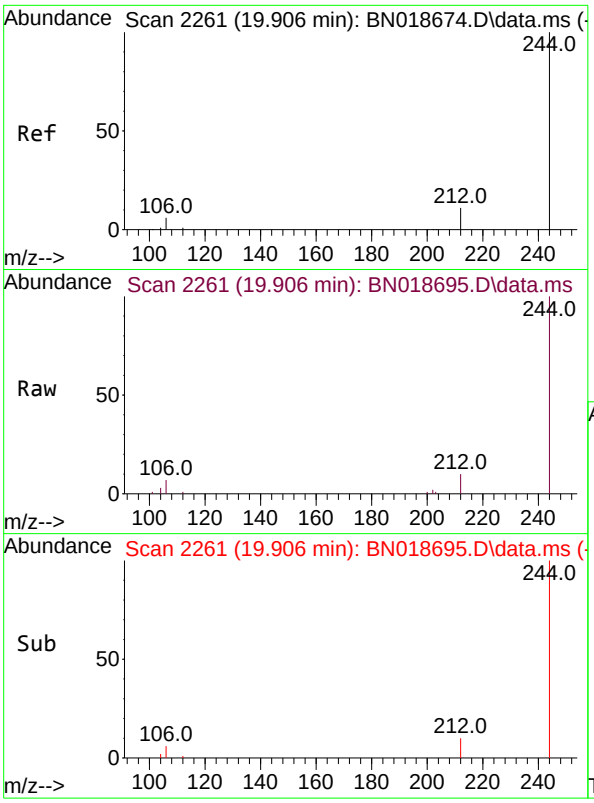


#30
Pyrene
Concen: 0.336 ng
RT: 19.704 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:202 Resp: 18596

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.9	14.1	21.1



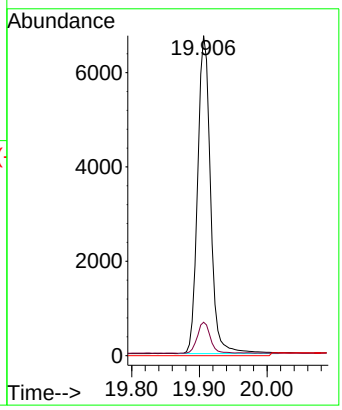


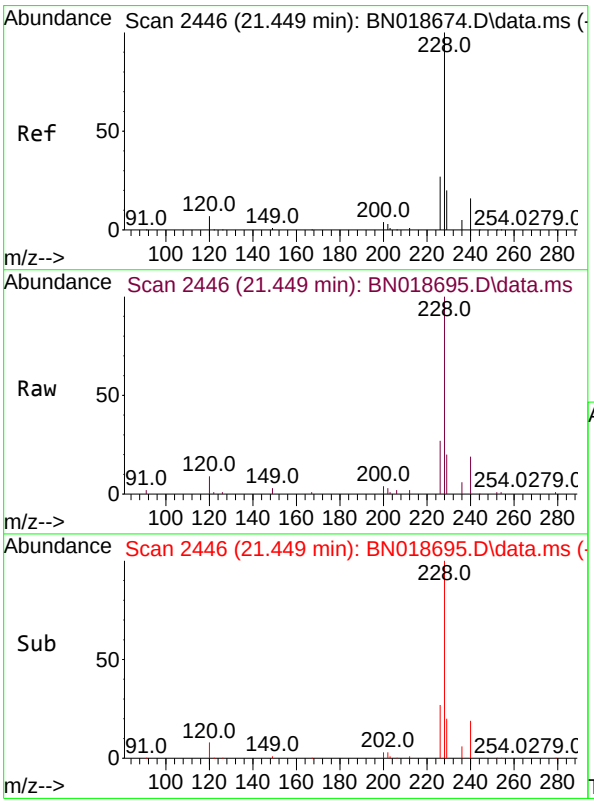
#31
Terphenyl-d14
Concen: 0.343 ng
RT: 19.906 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:244 Resp: 9222

Ion	Ratio	Lower	Upper
244	100		
212	10.5	6.2	9.2#
122	0.0	7.9	11.9#

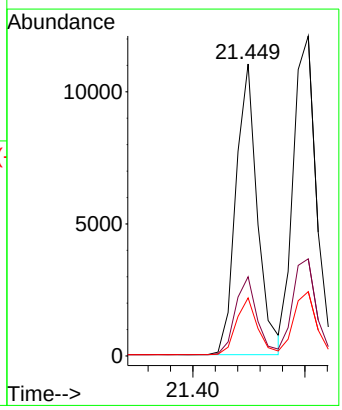


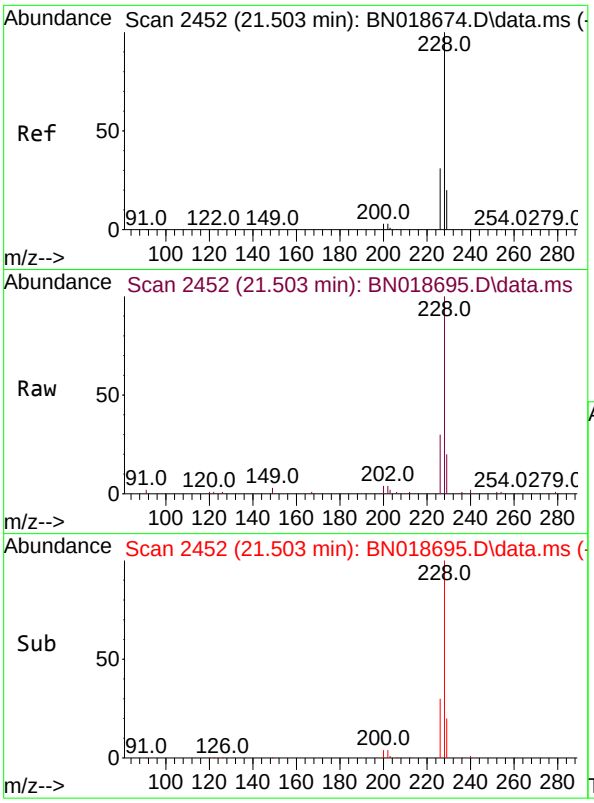


#32
Benzo(a)anthracene
Concen: 0.313 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:228 Resp: 14704

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.3	31.9
229	19.9	15.9	23.9



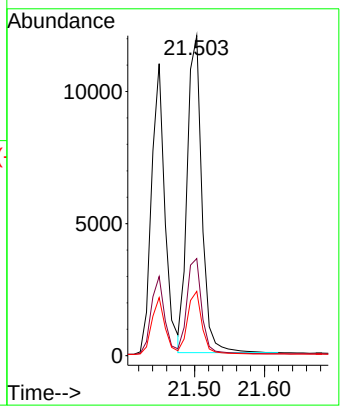


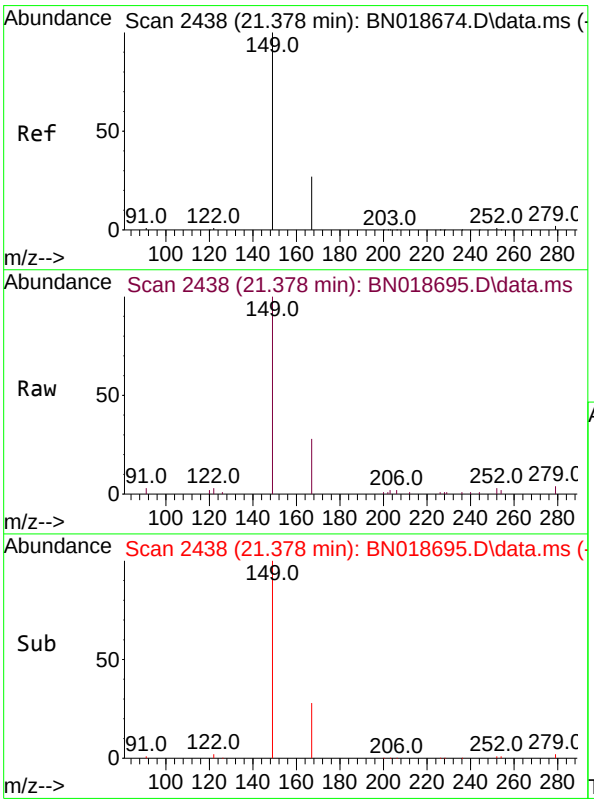
#33
Chrysene
Concen: 0.332 ng
RT: 21.503 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:228 Resp: 17405

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	20.1	15.5	23.3

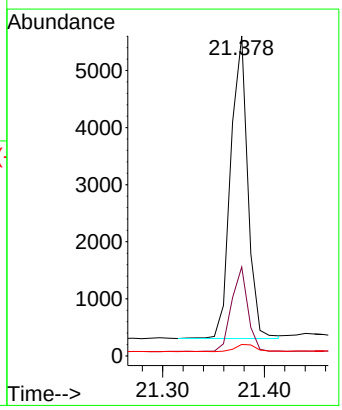


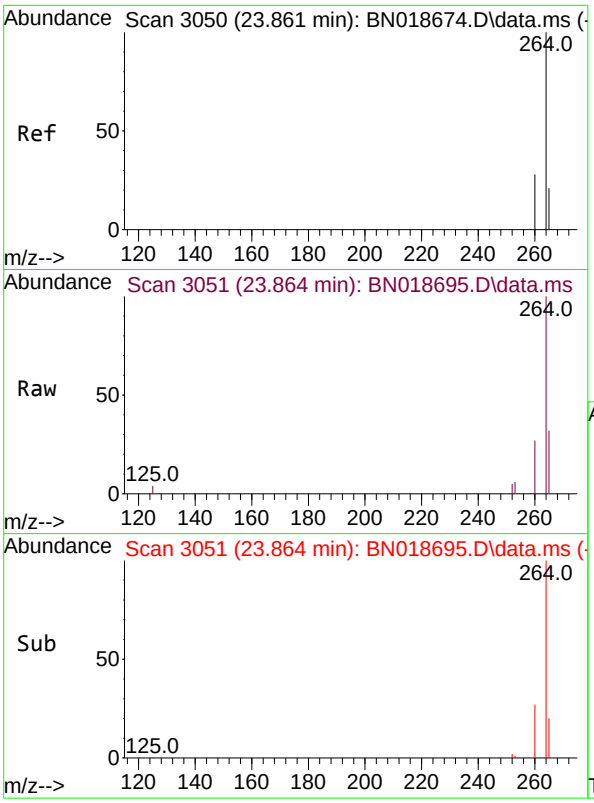


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.322 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:149 Resp: 6156

Ion	Ratio	Lower	Upper
149	100		
167	26.4	23.7	35.5
279	3.0	3.6	5.4#



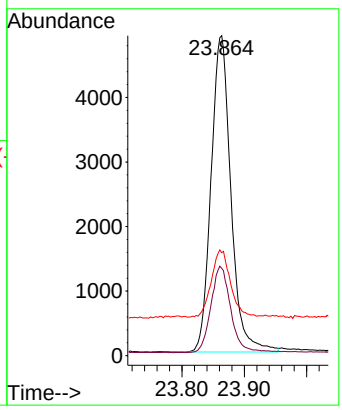


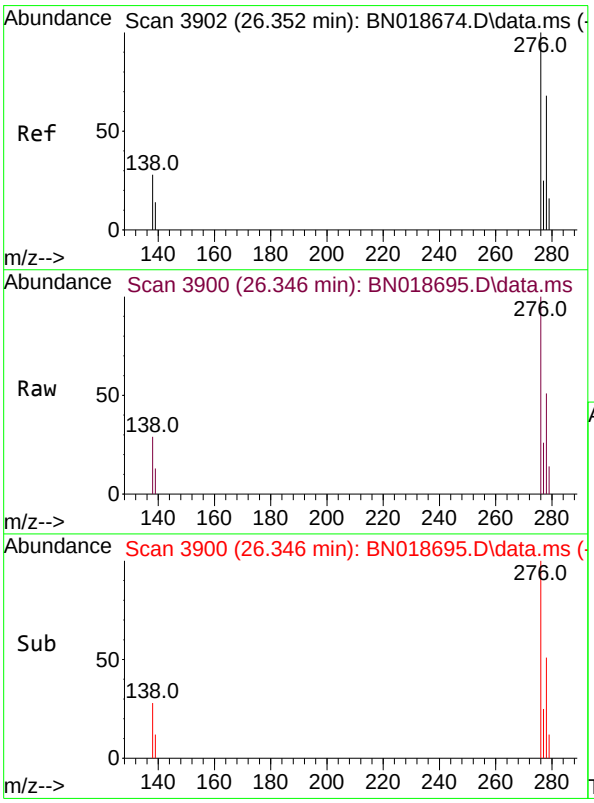
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.864 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:264 Resp: 10845

Ion	Ratio	Lower	Upper
264	100		
260	27.3	20.2	30.4
265	32.2	18.2	27.2#

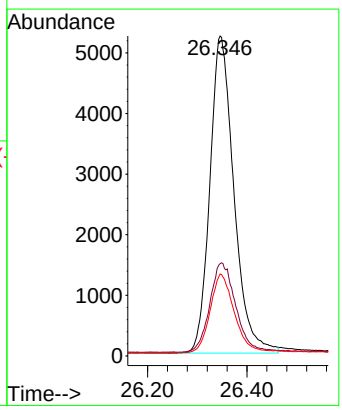


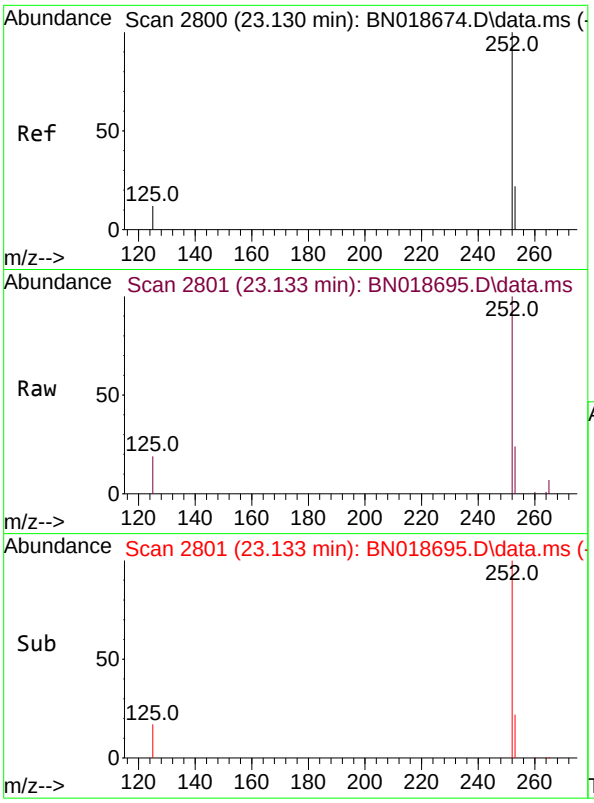


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.307 ng
RT: 26.346 min Scan# 3900
Delta R.T. -0.006 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:276 Resp: 17590

Ion	Ratio	Lower	Upper
276	100		
138	30.4	14.9	22.3#
277	24.8	19.9	29.9



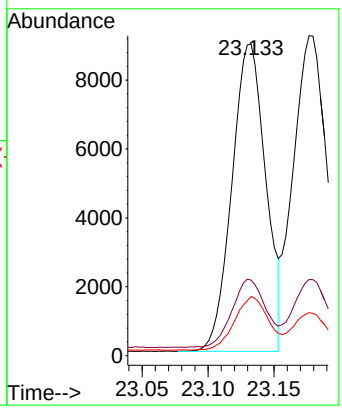


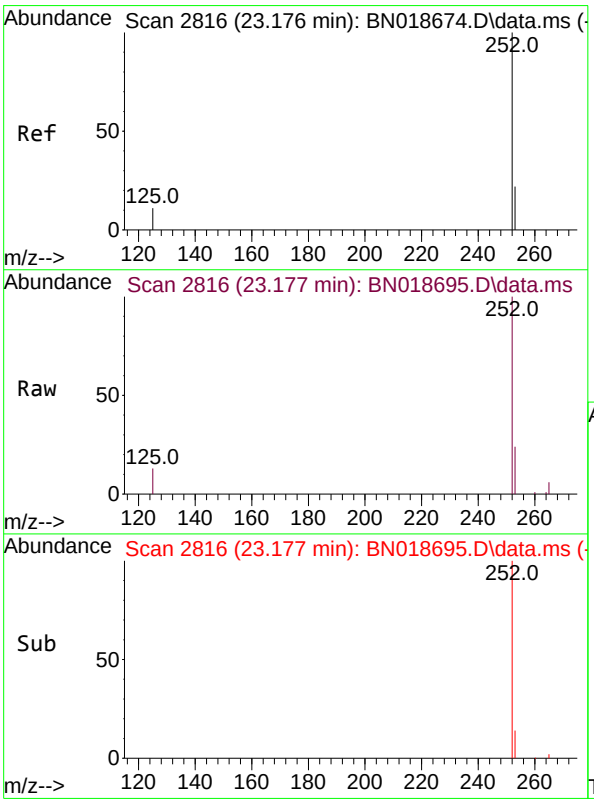
#37
Benzo(b)fluoranthene
Concen: 0.323 ng
RT: 23.133 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:252 Resp: 15933

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	19.0	6.0	9.0#

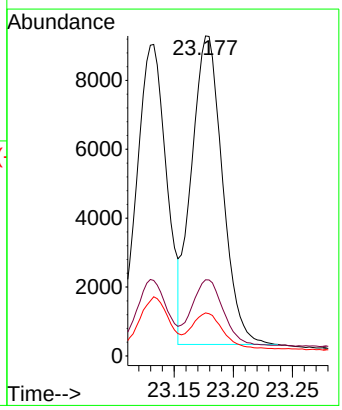


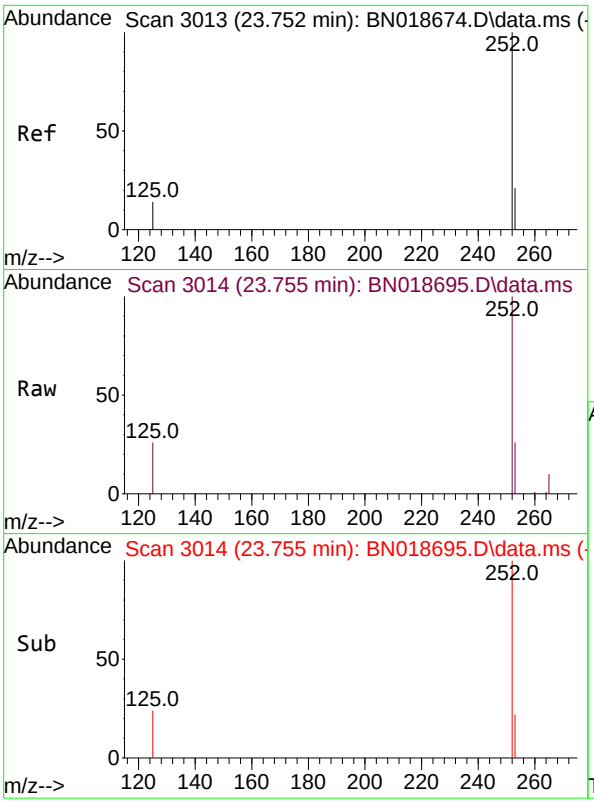


#38
Benzo(k)fluoranthene
Concen: 0.335 ng
RT: 23.177 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:252 Resp: 16345

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	13.4	6.2	9.2#



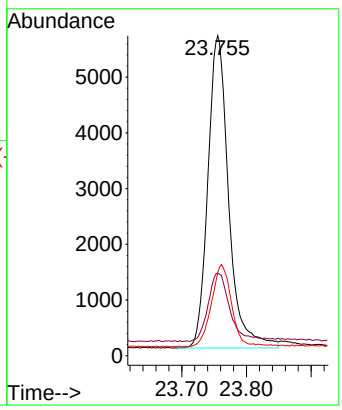


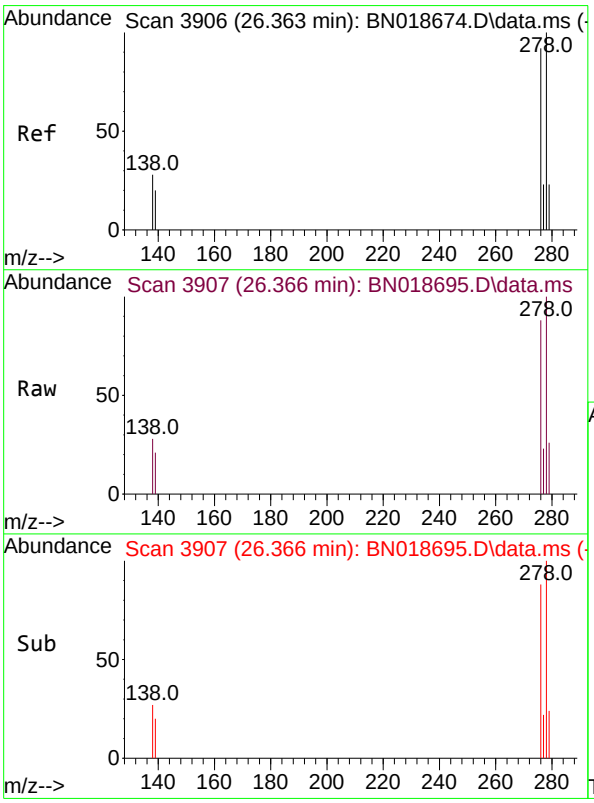
#39
Benzo(a)pyrene
Concen: 0.319 ng
RT: 23.755 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:252 Resp: 12531

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.6
125	26.0	7.0	10.4#

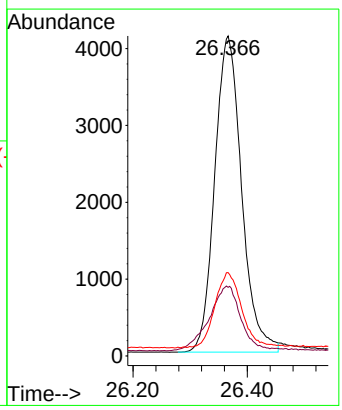


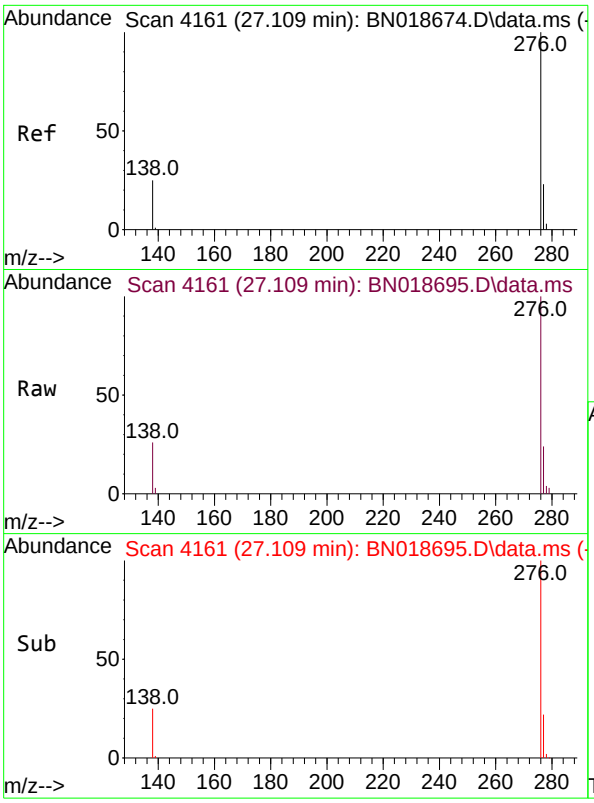


#40
Dibenzo(a,h)anthracene
Concen: 0.301 ng
RT: 26.366 min Scan# 3907
Delta R.T. 0.003 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Tgt Ion:278 Resp: 13460

Ion	Ratio	Lower	Upper
278	100		
139	21.5	10.8	16.2#
279	26.1	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 0.292 ng
RT: 27.109 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN018695.D
Acq: 23 Feb 2022 13:39

Instrument :
BNA_N
ClientSampleId :
PB142611BSD

Tgt Ion:276 Resp: 14314

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	26.0	12.6	19.0#