Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082620\
Data File : BN011647.D
Acq On : 26 Aug 2020 16:20
Operator : CG/JU
Sample : L3768-05MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : CS-3MS

Quant Time: Aug 26 18:21:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 25 03:31:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	2388	0.40	ng		-0.02
7) Naphthalene-d8	10.53	136	9351	0.40	ng		-0.01
13) Acenaphthene-d10	14.38	164	5607	0.40	ng		-0.01
19) Phenanthrene-d10	17.13	188	12032	0.40	ng		-0.01
29) Chrysene-d12	21.32	240	13511	0.40	ng		-0.01
36) Perylene-d12	23.58	264	16507	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.34	112	3348	0.44	ng		0.00
5) Phenol-d6	6.91	99	4296	0.40	ng		0.00
8) Nitrobenzene-d5	8.88	82	4891	0.60	ng		-0.03
11) 2-Methylnaphthalene-d10	12.13	152	5738	0.32	ng		-0.01
14) 2,4,6-Tribromophenol	15.88	330	1146	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	12440	0.57	ng		-0.01
27) Fluoranthene-d10	19.17	212	12218	0.31	ng		0.00
31) Terphenyl-d14	19.77	244	19939	0.58	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	1567	0.423	ng	#	1
3) n-Nitrosodimethylamine	3.58	42	1433	0.367	ng	#	94
6) bis(2-Chloroethyl)ether	7.18	93	2476	0.323	ng		97
9) Naphthalene	10.58	128	8336	0.314	ng		95
10) Hexachlorobutadiene	10.87	225	1702	0.306	ng	#	98
12) 2-Methylnaphthalene	12.20	142	5926	0.302	ng		98
16) Acenaphthylene	14.10	152	8085	0.274	ng		99
17) Acenaphthene	14.45	154	5316	0.284	ng		95
18) Fluorene	15.44	166	6952	0.287	ng		98
20) 4,6-Dinitro-2-methylphenol	15.51	198	458	0.330	ng	#	40
21) 4-Bromophenyl-phenylether	16.32	248	2078	0.296	ng		95
22) Hexachlorobenzene	16.43	284	2423	0.299	ng		97
23) Atrazine	16.59	200	1650	0.238	ng		99
24) Pentachlorophenol	16.77	266	1390	0.388	ng		99
25) Phenanthrene	17.18	178	11606	0.310	ng		100
26) Anthracene	17.26	178	10632	0.289	ng		100
28) Fluoranthene	19.20	202	14113	0.312	ng		99
30) Pyrene	19.56	202	14746	0.308	ng		99
32) Benzo(a)anthracene	21.31	228	15967	0.328	ng		99
33) Chrysene	21.35	228	15822	0.341	ng		99
34) Bis(2-ethylhexyl)phthalate	21.26	149	9470	0.259	ng		96
35) Indeno(1,2,3-cd)pyrene	25.85	276	23356	0.412	ng	#	100
37) Benzo(b)fluoranthene	22.90	252	18364	0.307	ng		98
38) Benzo(k)fluoranthene	22.95	252	18663	0.314	ng		97
39) Benzo(a)pyrene	23.48	252	16476	0.296	ng		99
40) Dibenzo(a,h)anthracene	25.87	278	19699	0.338	ng	#	96
41) Benzo(g,h,i)perylene	26.55	276	20484	0.362	ng		97

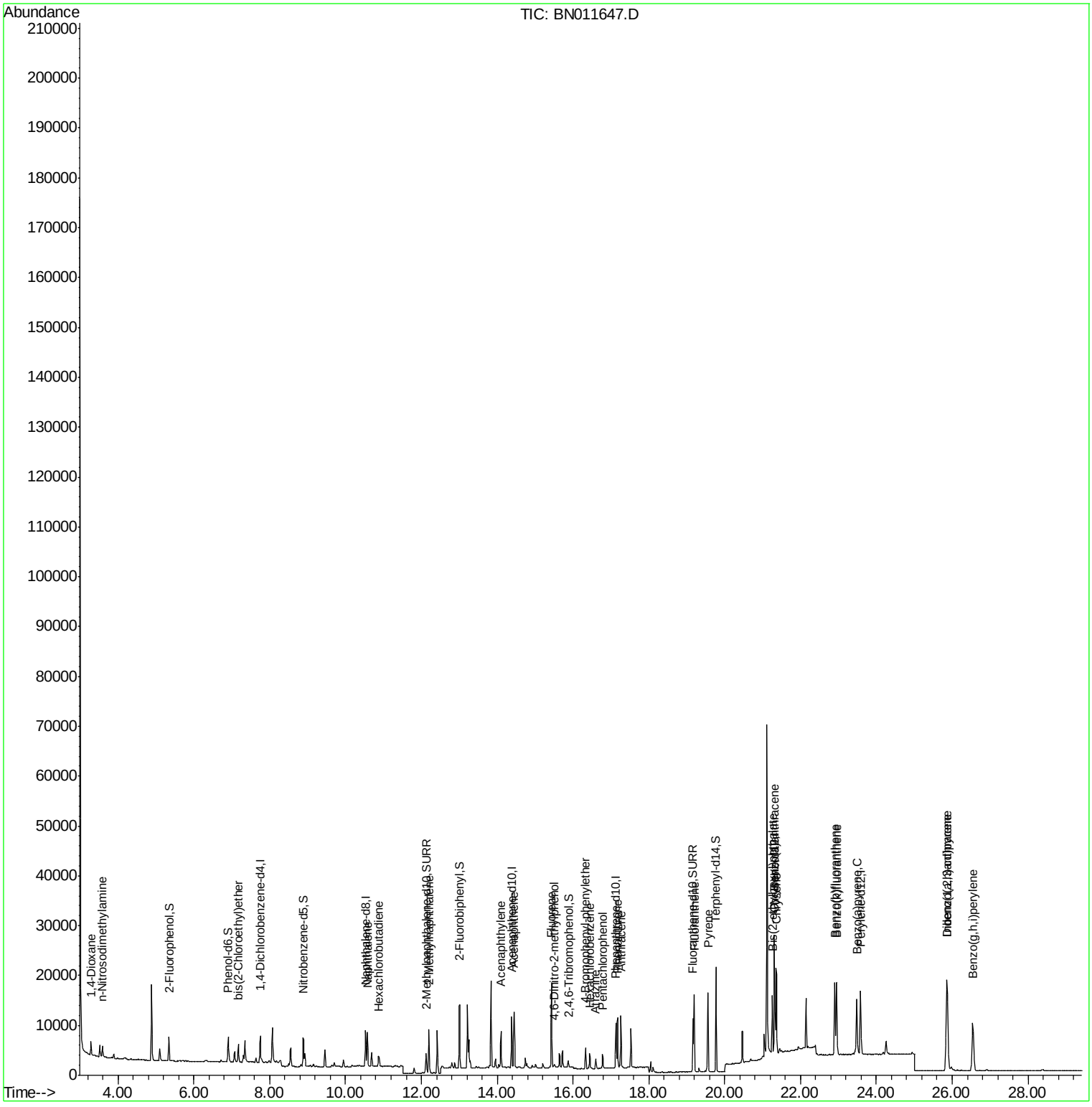
(#) = qualifier out of range (m) = manual integration (+) = signals summed

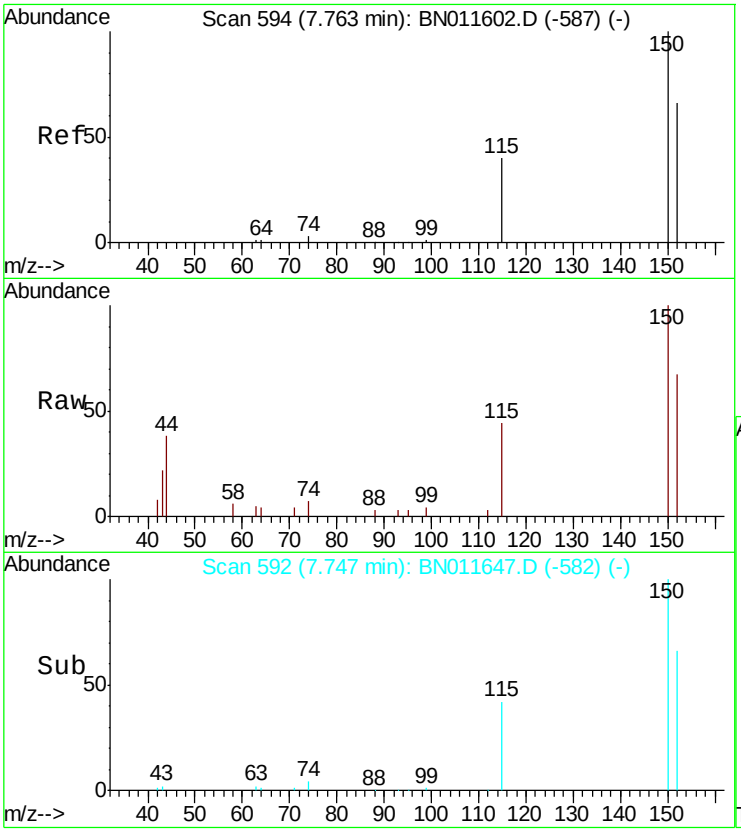
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082620\
Data File : BN011647.D
Acq On : 26 Aug 2020 16:20
Operator : CG/JU
Sample : L3768-05MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Quant Time: Aug 26 18:21:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 25 03:31:11 2020
Response via : Initial Calibration



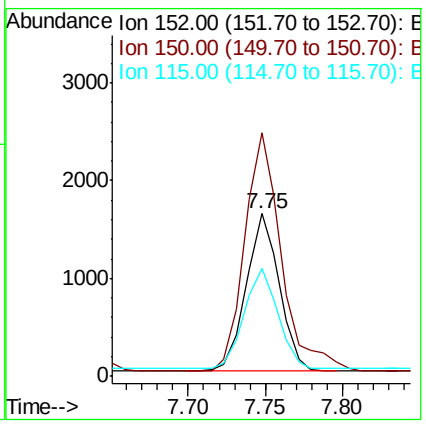


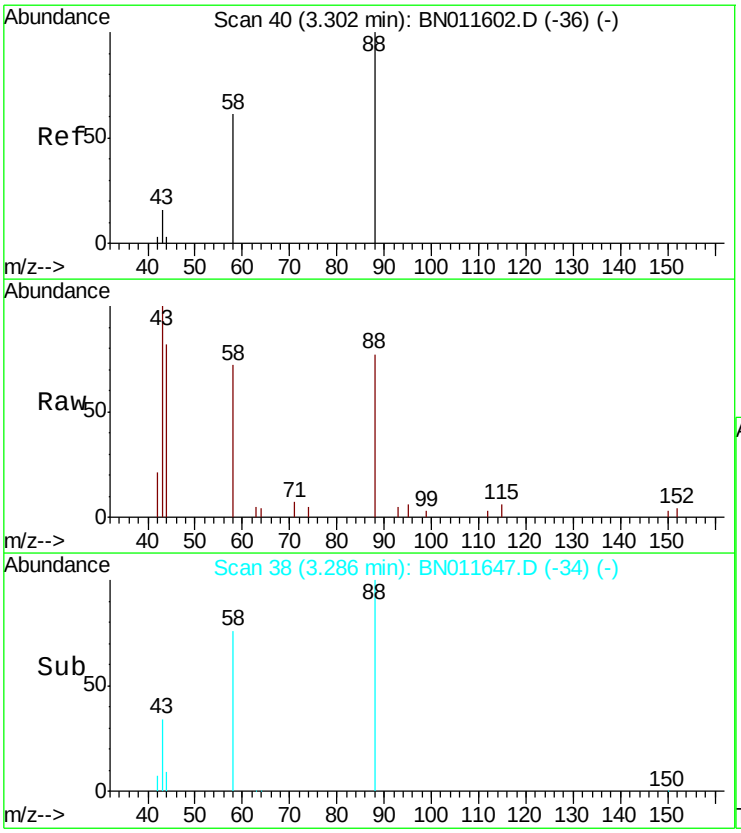
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 592
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:152 Resp: 2388

Ion	Ratio	Lower	Upper
152	100		
150	149.8	112.4	168.6
115	66.4	56.9	85.3

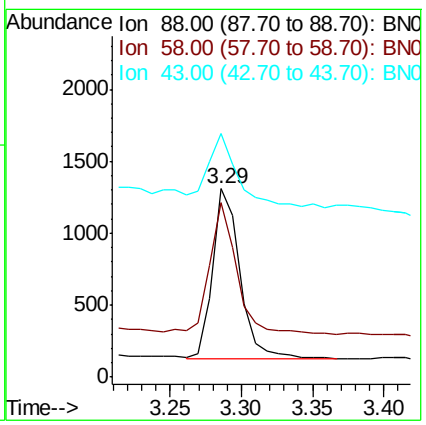


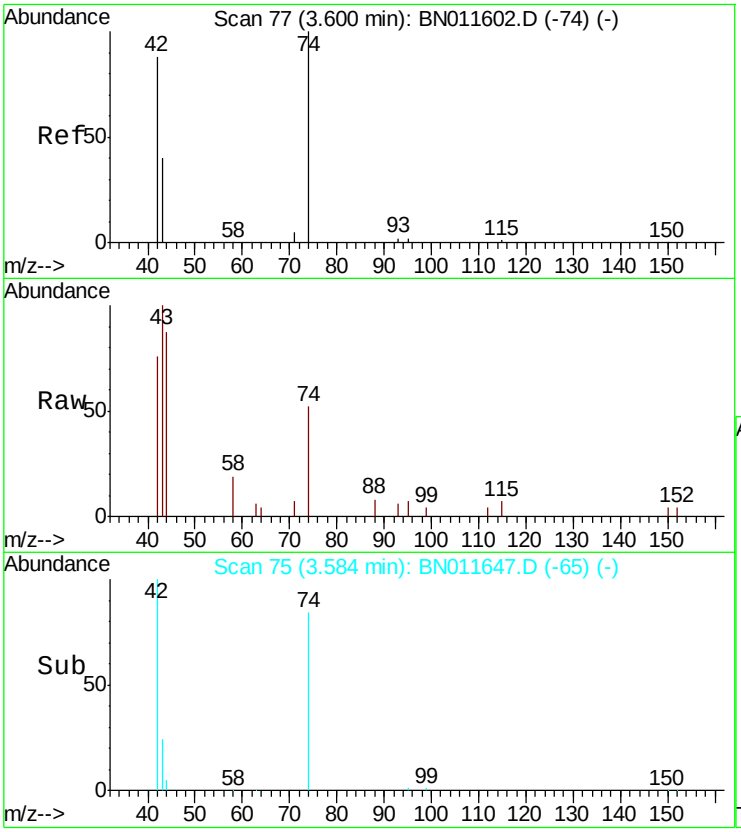


#2
1,4-Dioxane
Concen: 0.423 ng
RT: 3.29 min Scan# 38
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion: 88 Resp: 1567

Ion	Ratio	Lower	Upper
88	100		
58	75.3	3.0	4.4#
43	49.2	0.0	0.0#



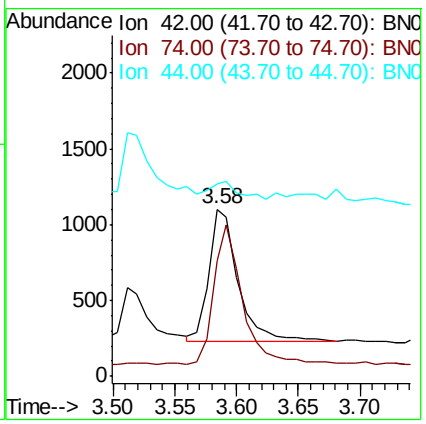


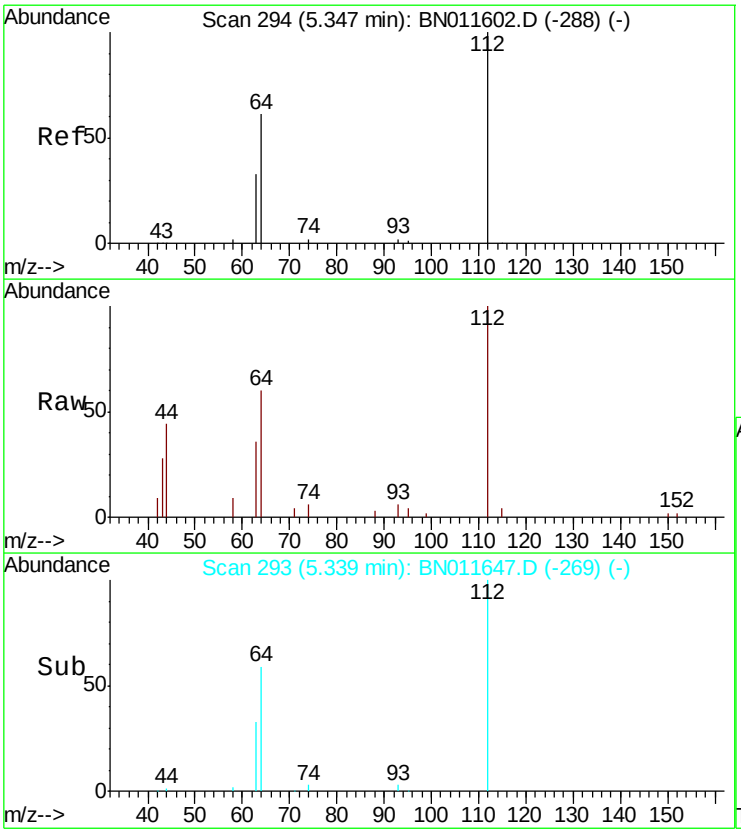
#3
n-Nitrosodimethylamine
Concen: 0.367 ng
RT: 3.58 min Scan# 75
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion: 42 Resp: 1433

Ion	Ratio	Lower	Upper
42	100		
74	101.9	0.0	0.0#
44	12.4	8.2	12.4#

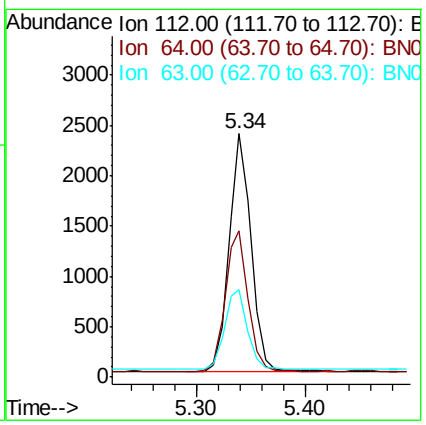


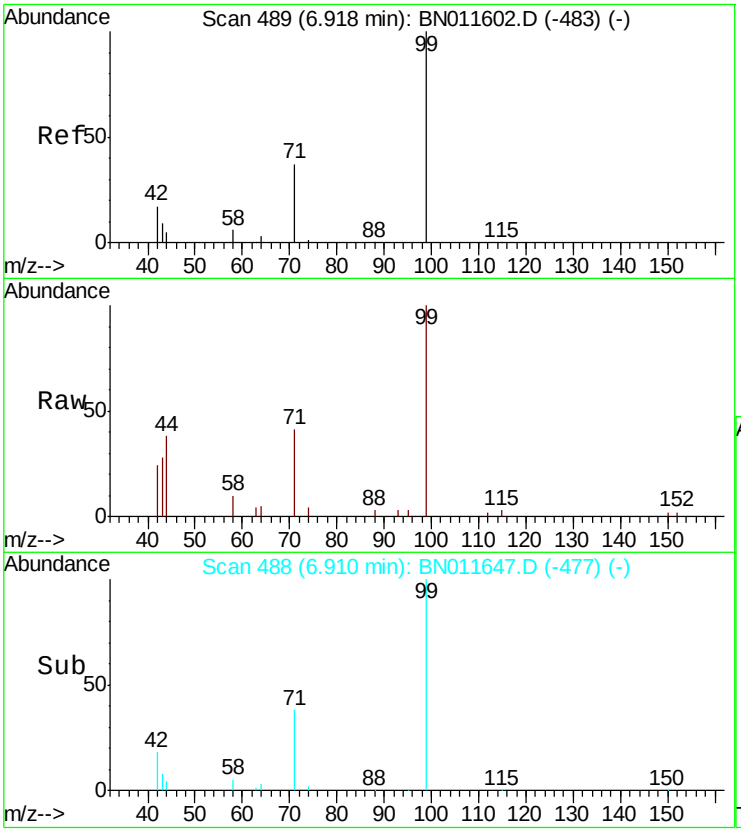


#4
2-Fluorophenol
Concen: 0.438 ng
RT: 5.34 min Scan# 293
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:112 Resp: 3348

Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.6	74.4
63	35.3	26.4	39.6



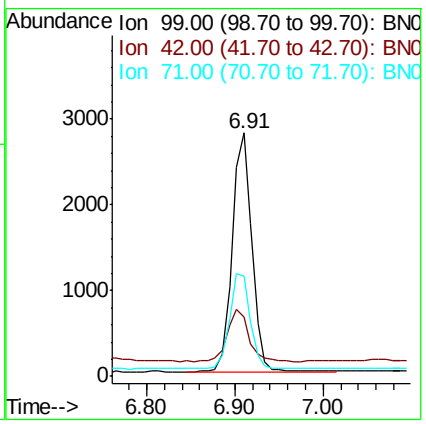


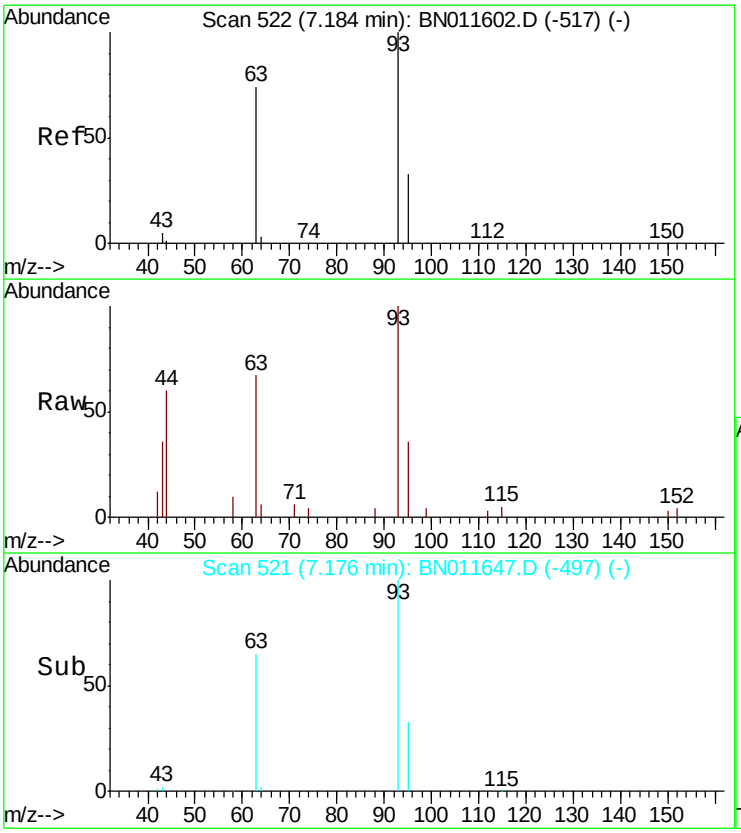
#5
Phenol-d6
Concen: 0.398 ng
RT: 6.91 min Scan# 488
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion: 99 Resp: 4296

Ion	Ratio	Lower	Upper
99	100		
42	24.0	0.0	0.0#
71	41.5	0.0	0.0#

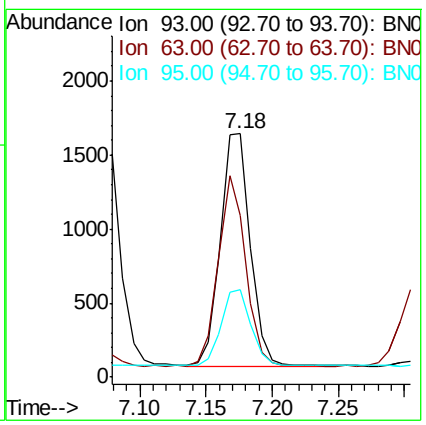


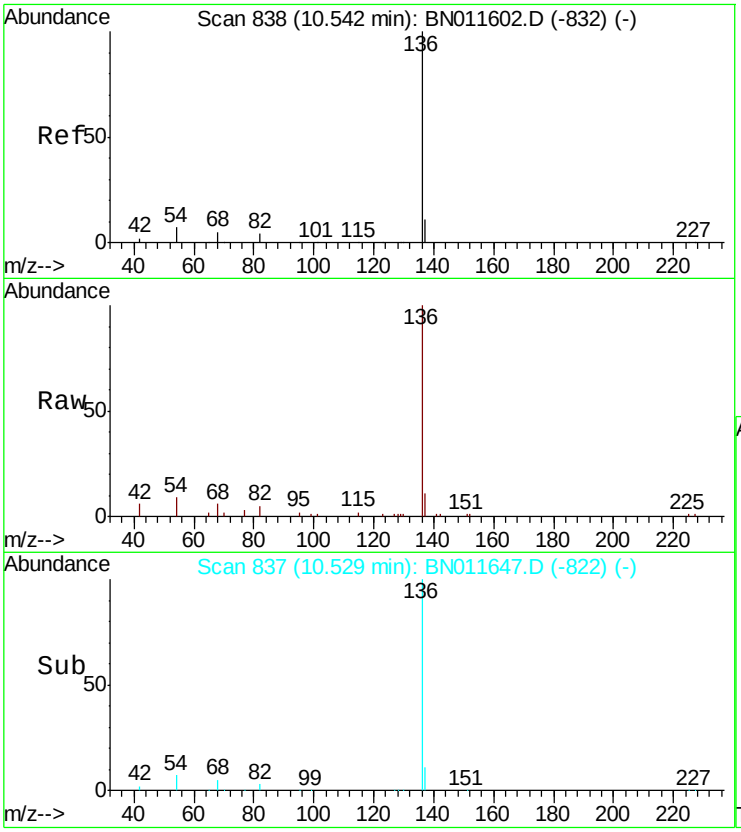


#6
bis(2-Chloroethyl)ether
Concen: 0.323 ng
RT: 7.18 min Scan# 521
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion: 93 Resp: 2476

Ion	Ratio	Lower	Upper
93	100		
63	74.8	57.8	86.8
95	33.0	28.3	42.5



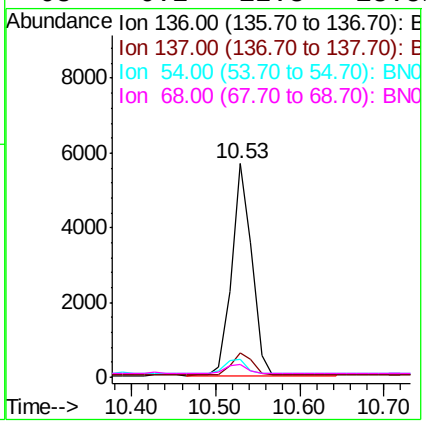


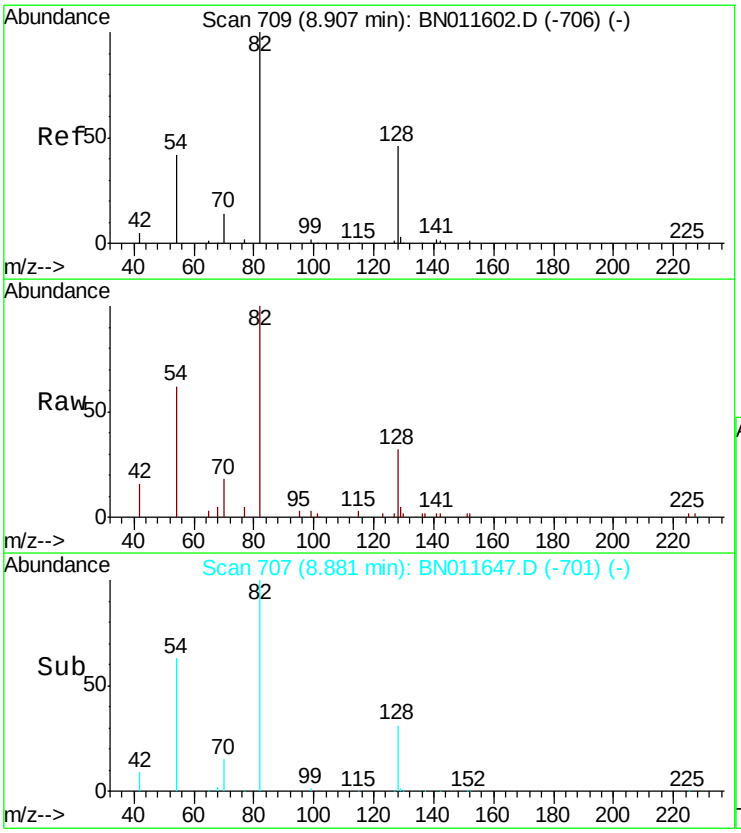
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.53 min Scan# 837
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:136 Resp: 9351

Ion	Ratio	Lower	Upper
136	100		
137	11.4	11.5	17.3#
54	8.6	11.9	17.9#
68	6.2	12.3	18.5#

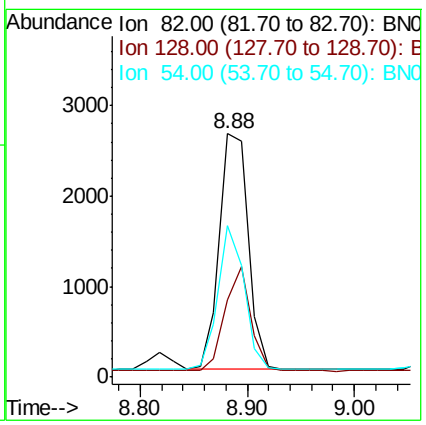


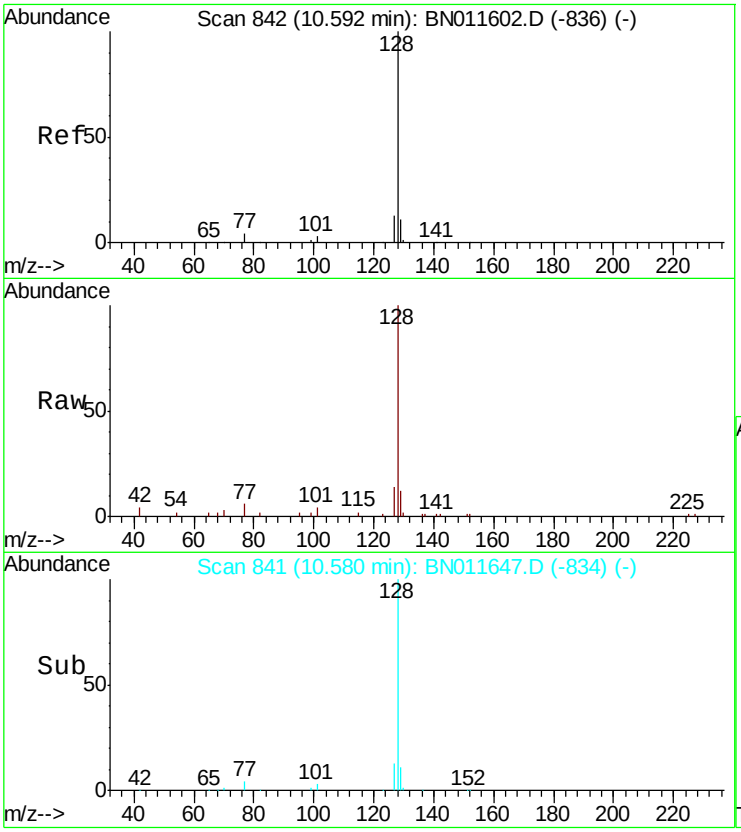


#8
Nitrobenzene-d5
Concen: 0.604 ng
RT: 8.88 min Scan# 707
Delta R.T. -0.03 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion: 82 Resp: 4891

Ion	Ratio	Lower	Upper
82	100		
128	31.5	31.1	46.7
54	62.1	37.1	55.7#



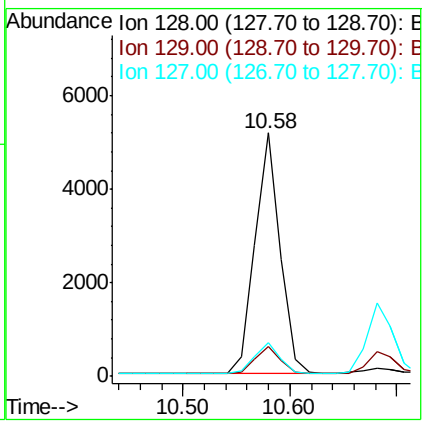


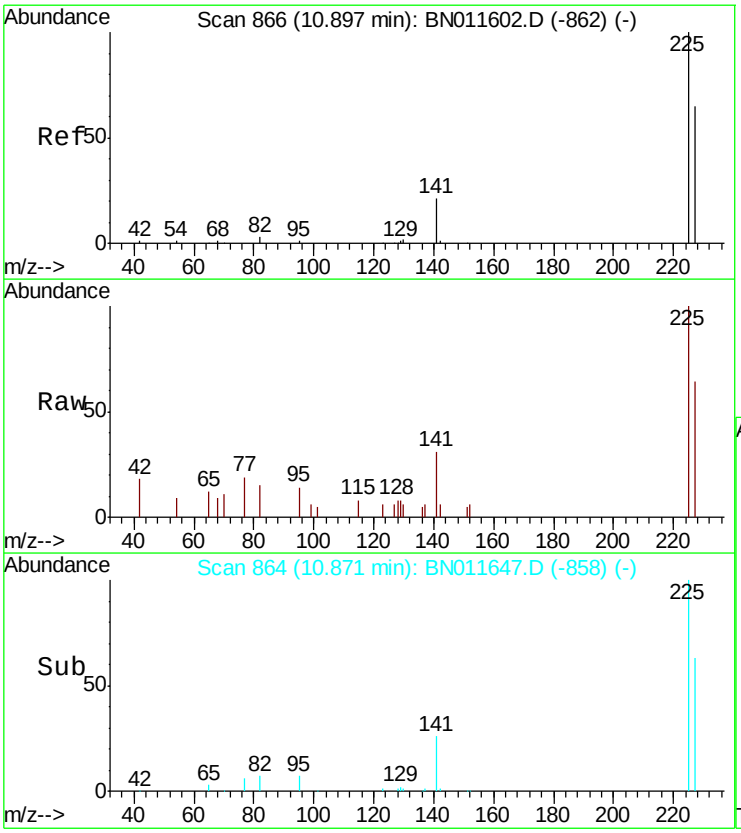
#9
Naphthalene
Concen: 0.314 ng
RT: 10.58 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:128 Resp: 8336

Ion	Ratio	Lower	Upper
128	100		
129	12.1	11.0	16.4
127	14.1	13.5	20.3

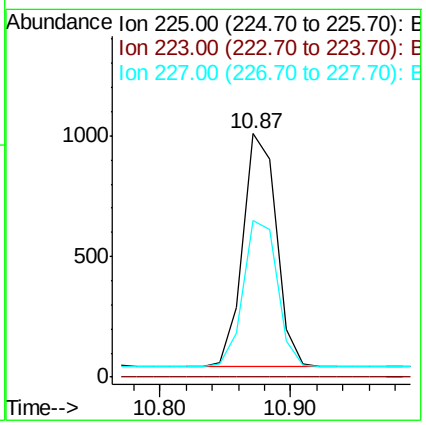


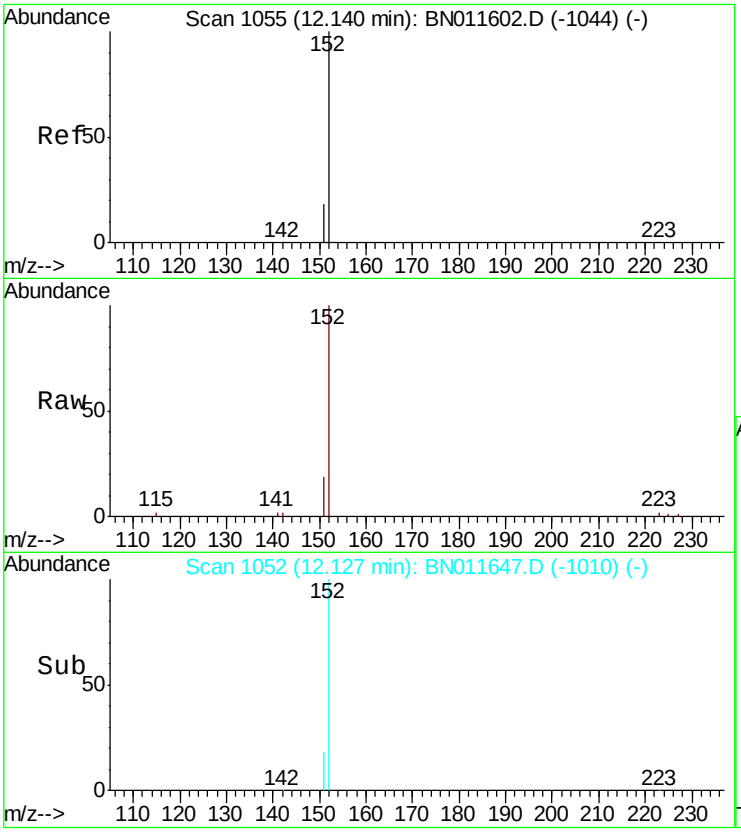


#10
Hexachlorobutadiene
Concen: 0.306 ng
RT: 10.87 min Scan# 864
Delta R.T. -0.03 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:225 Resp: 1702

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.2	75.2



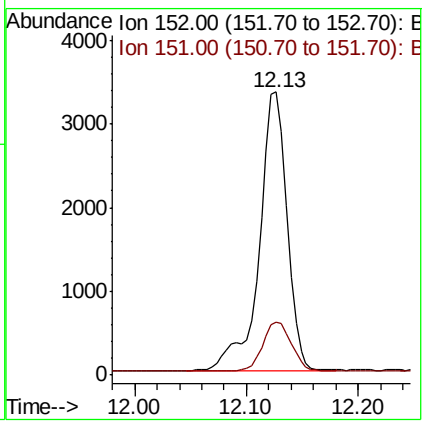


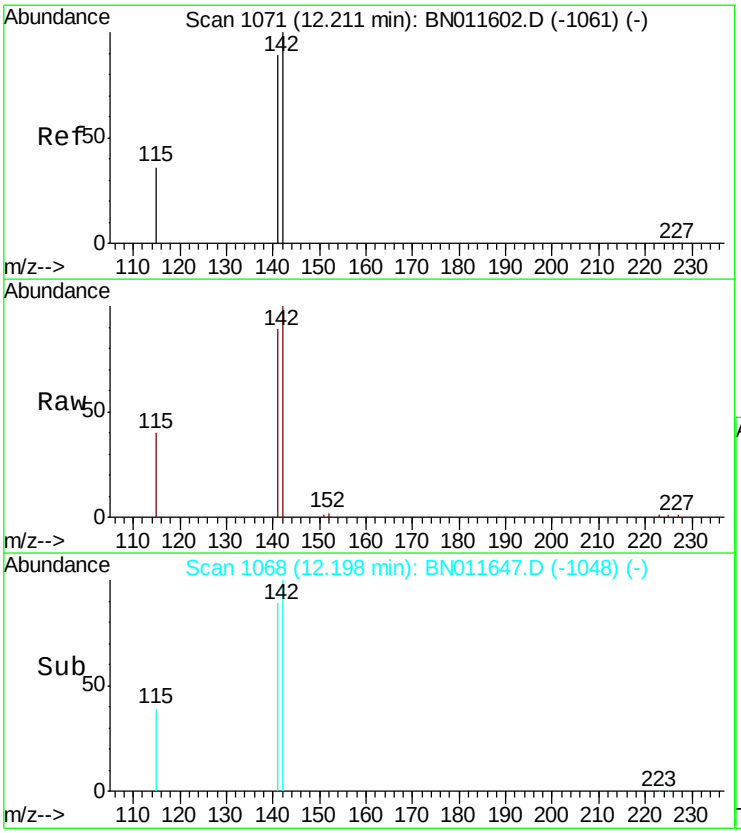
#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.13 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:152 Resp: 5738

Ion	Ratio	Lower	Upper
152	100		
151	17.7	16.4	24.6

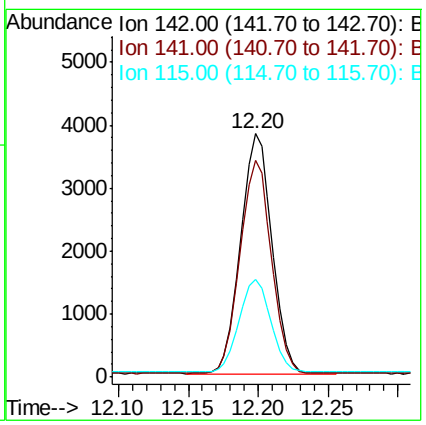


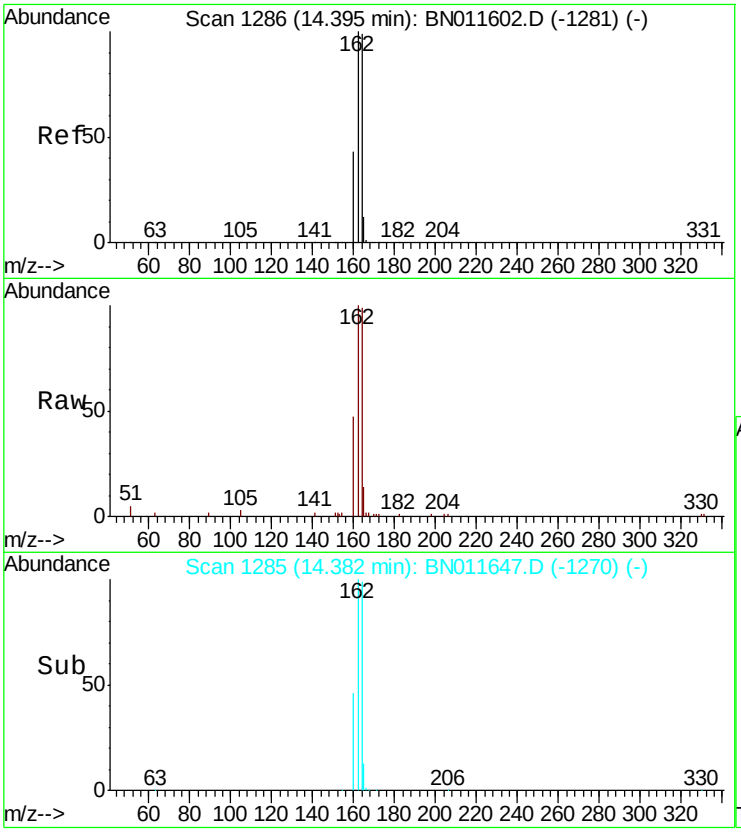


#12
2-Methylnaphthalene
Concen: 0.302 ng
RT: 12.20 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:142 Resp: 5926

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.7	109.1
115	40.4	32.7	49.1



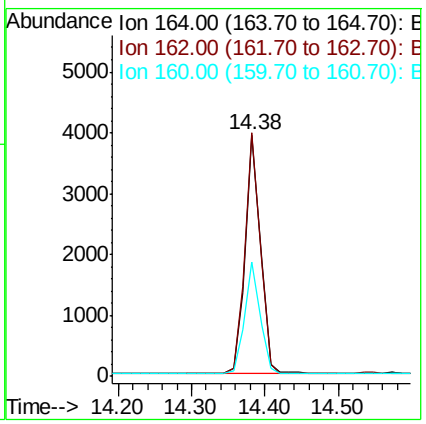


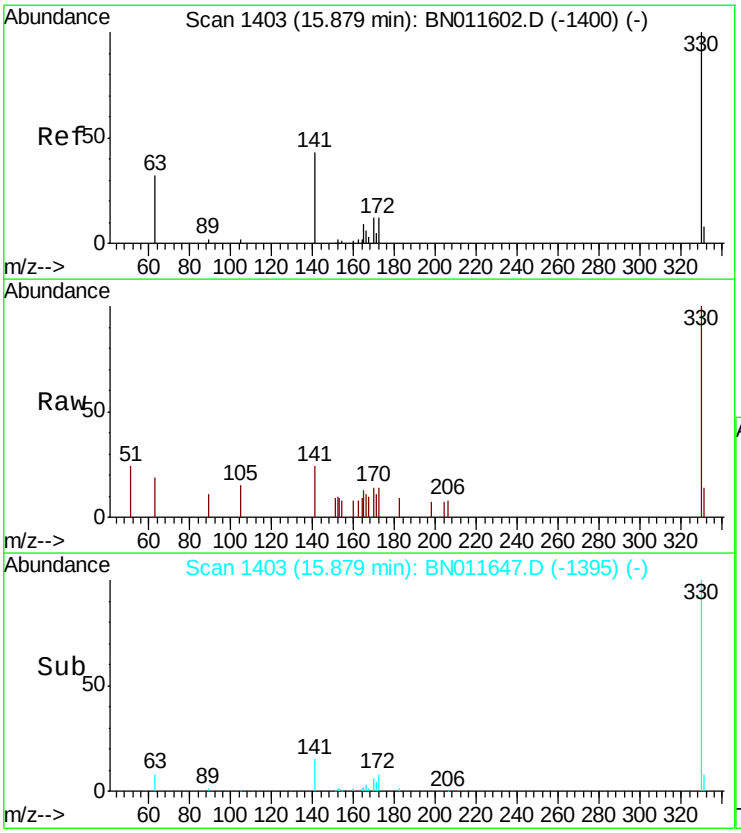
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.38 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:164 Resp: 5607

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.8	121.2
160	47.3	35.6	53.4

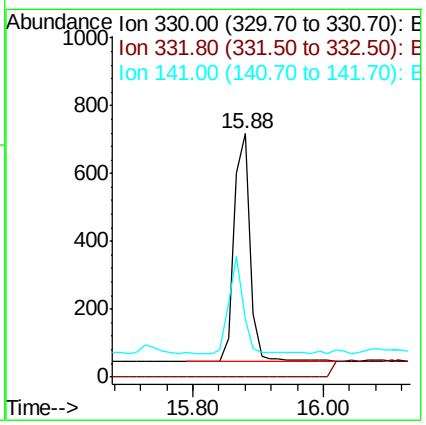


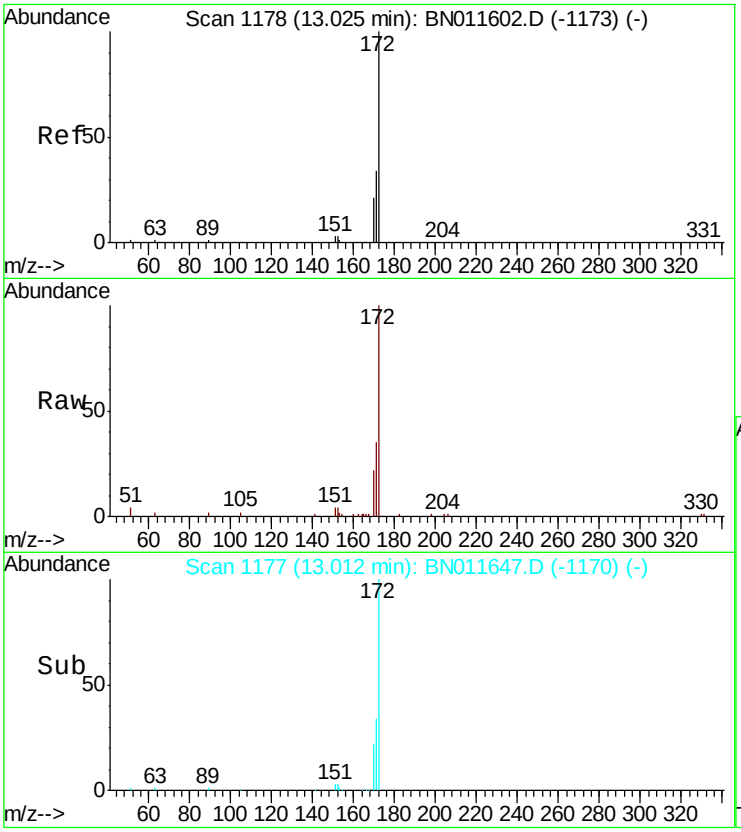


#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.88 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:330 Resp: 1146

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.5	29.4	44.2



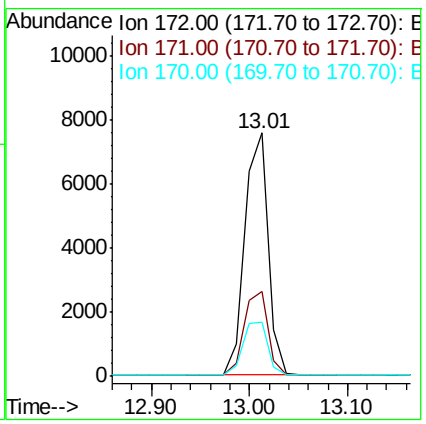


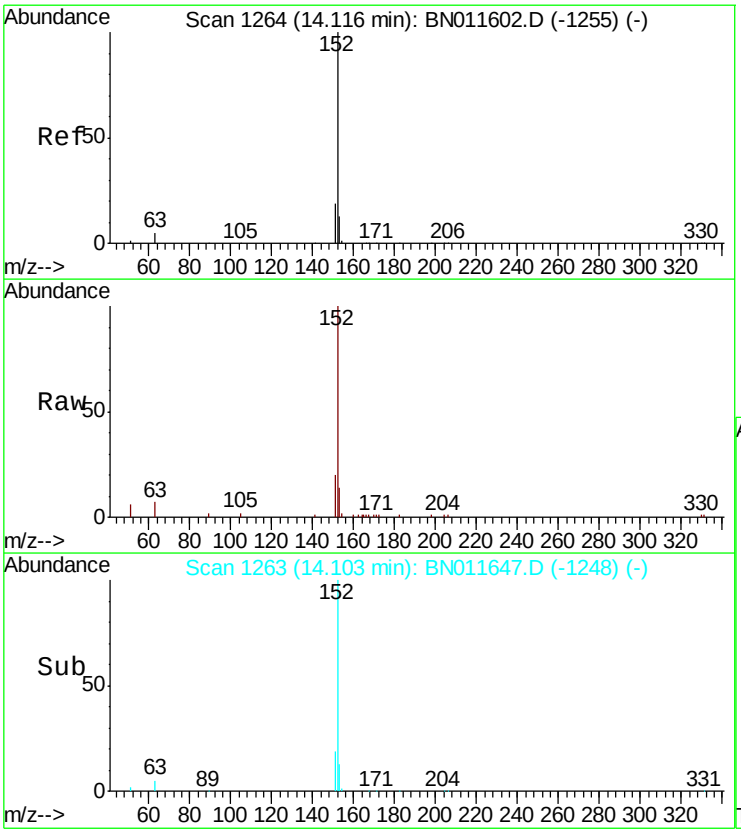
#15
2-Fluorobiphenyl
Concen: 0.570 ng
RT: 13.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:172 Resp: 12440

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	42.8
170	22.2	18.2	27.2

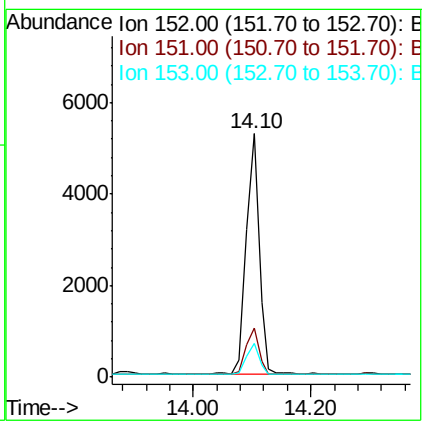


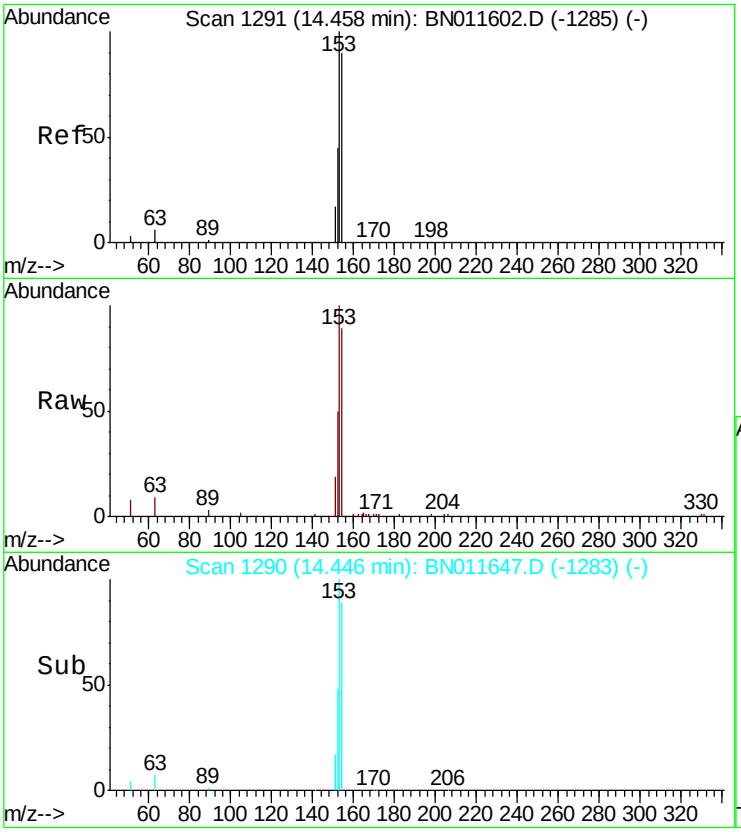


#16
Acenaphthylene
Concen: 0.274 ng
RT: 14.10 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:152 Resp: 8085

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.0	11.0	16.4



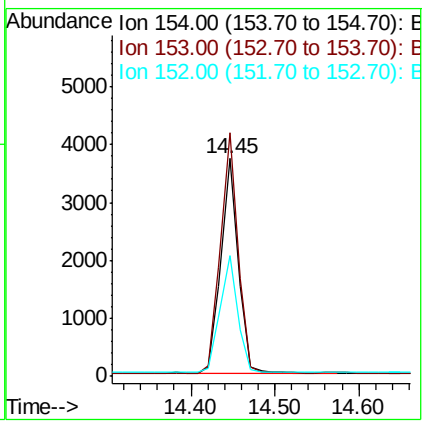


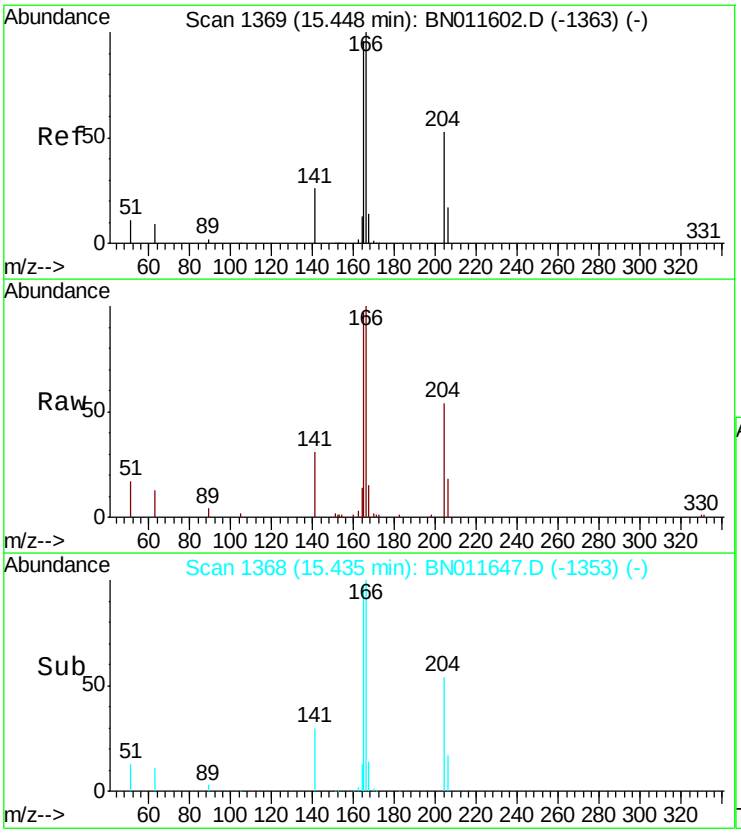
#17
Acenaphthene
Concen: 0.284 ng
RT: 14.45 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:154 Resp: 5316

Ion	Ratio	Lower	Upper
154	100		
153	113.0	86.6	130.0
152	55.2	40.1	60.1

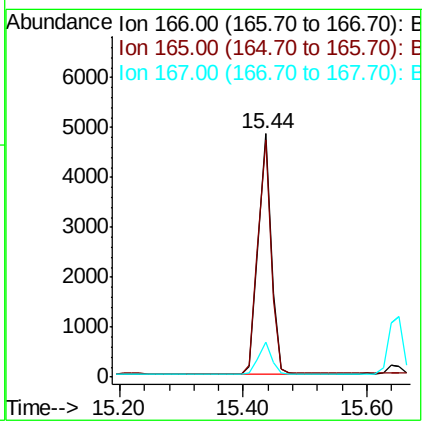


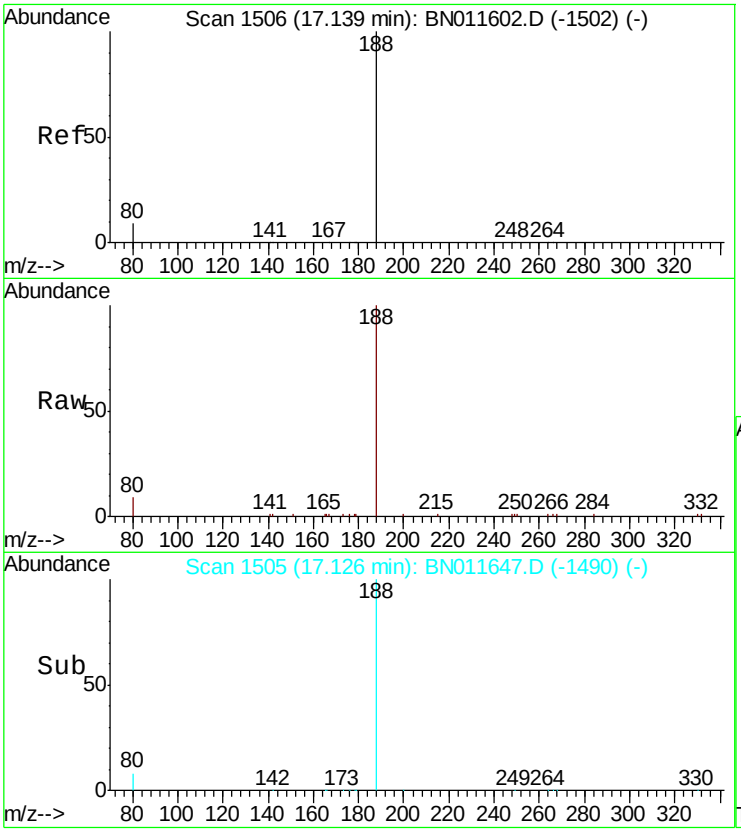


#18
Fluorene
Concen: 0.287 ng
RT: 15.44 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:166 Resp: 6952

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.4	116.2
167	13.1	11.5	17.3



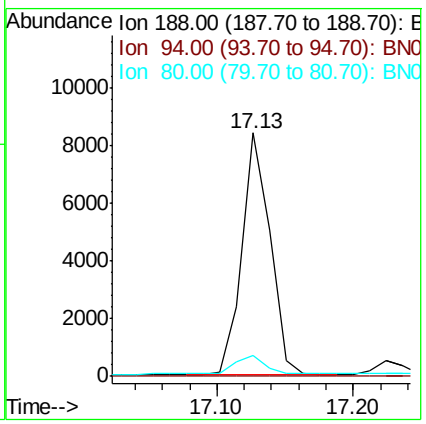


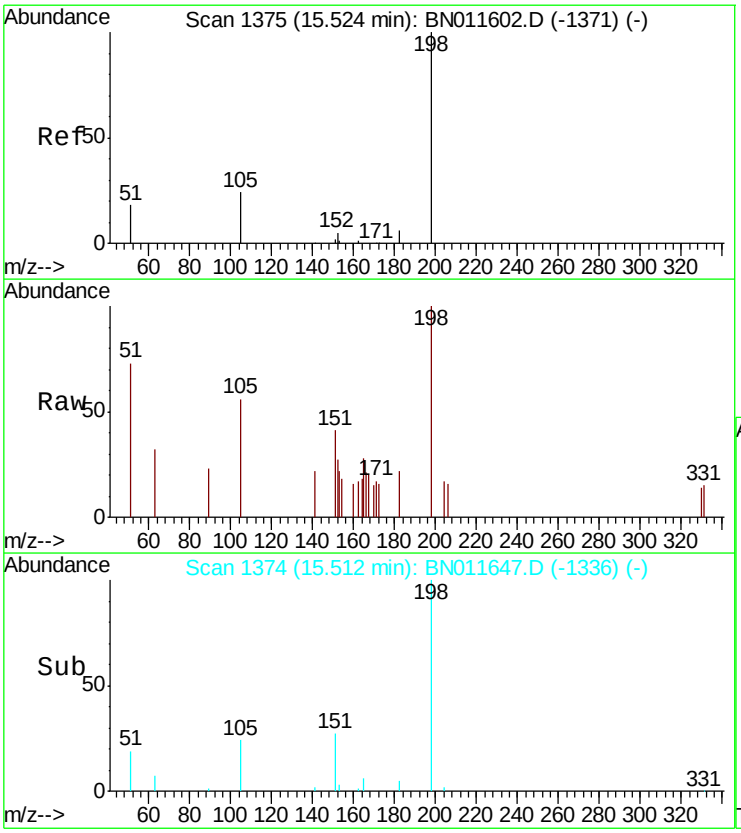
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:188 Resp: 12032

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	9.2	13.8#

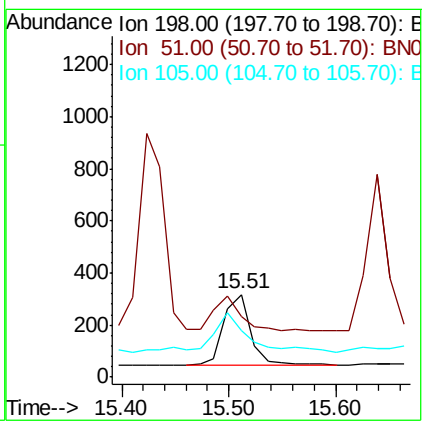


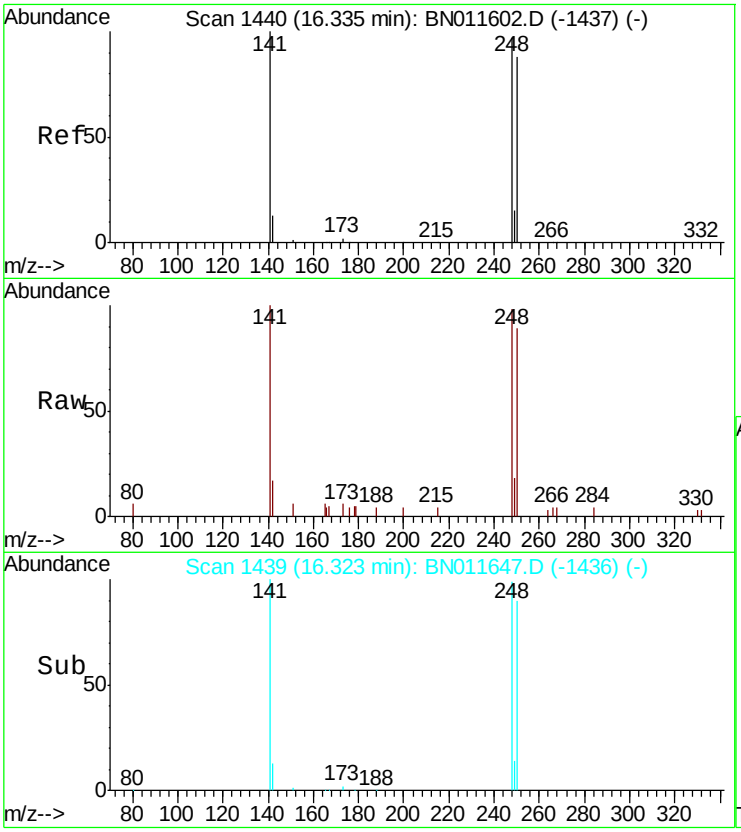


#20
4,6-Dinitro-2-methylphenol
Concen: 0.330 ng
RT: 15.51 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:198 Resp: 458

Ion	Ratio	Lower	Upper
198	100		
51	73.2	99.6	149.4#
105	56.2	118.8	178.2#



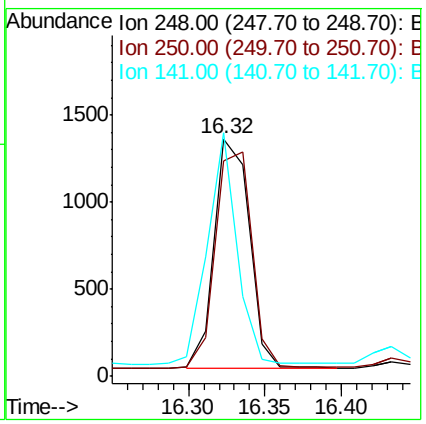


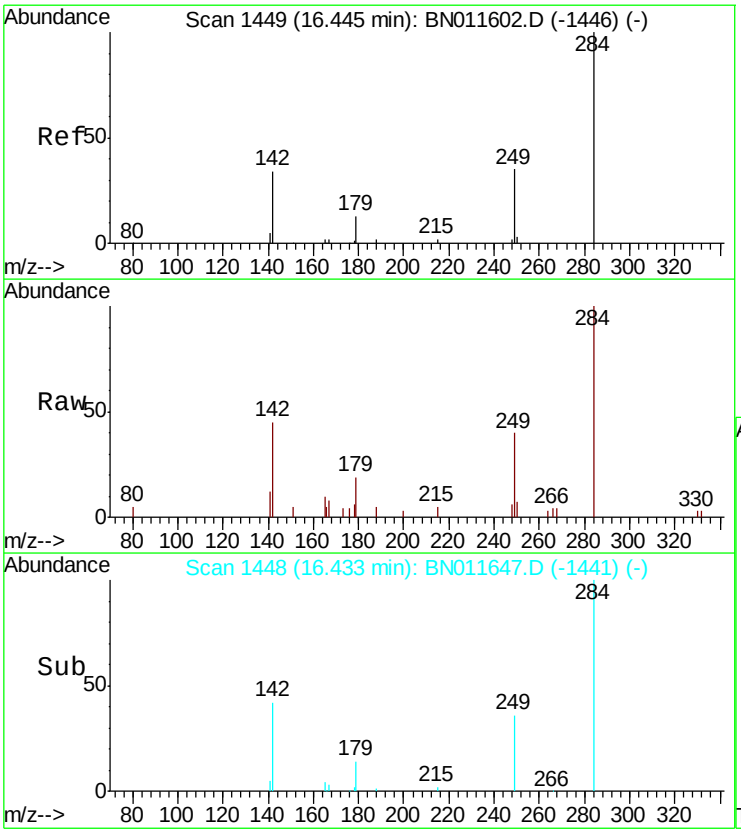
#21
4-Bromophenyl-phenylether
Concen: 0.296 ng
RT: 16.32 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:248 Resp: 2078

Ion	Ratio	Lower	Upper
248	100		
250	90.8	73.4	110.2
141	102.4	88.5	132.7

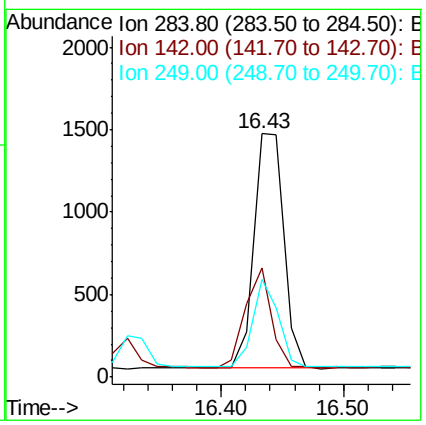


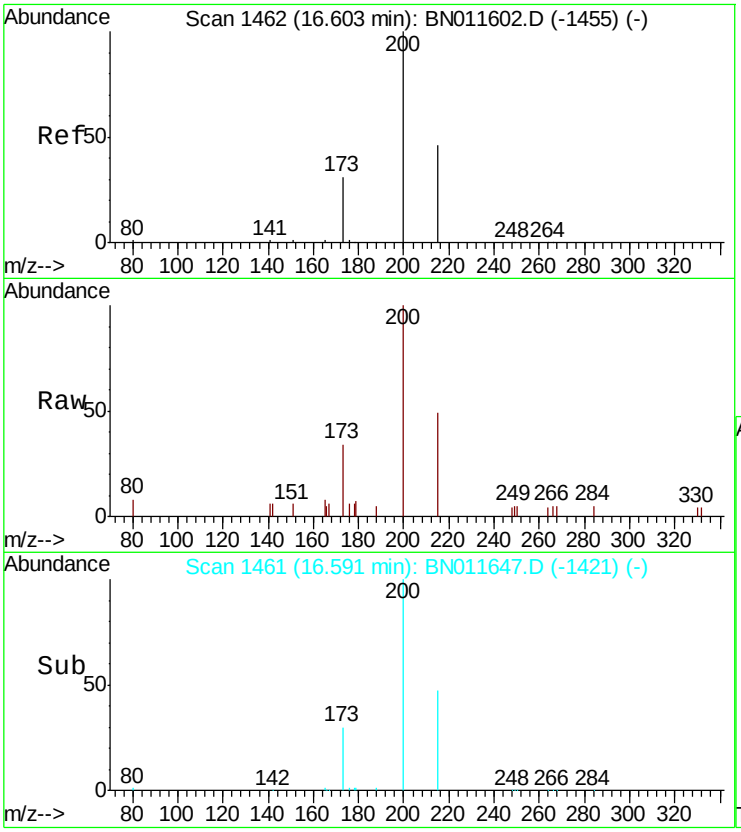


#22
Hexachlorobenzene
Concen: 0.299 ng
RT: 16.43 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:284 Resp: 2423

Ion	Ratio	Lower	Upper
284	100		
142	36.8	27.3	40.9
249	32.0	25.2	37.8



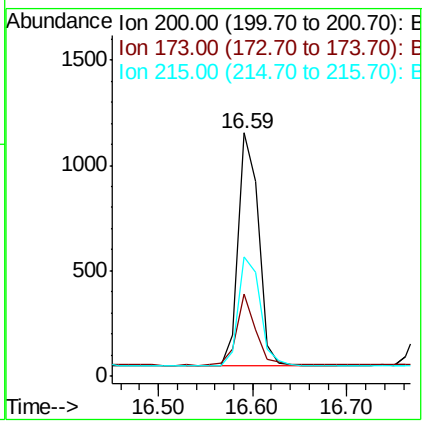


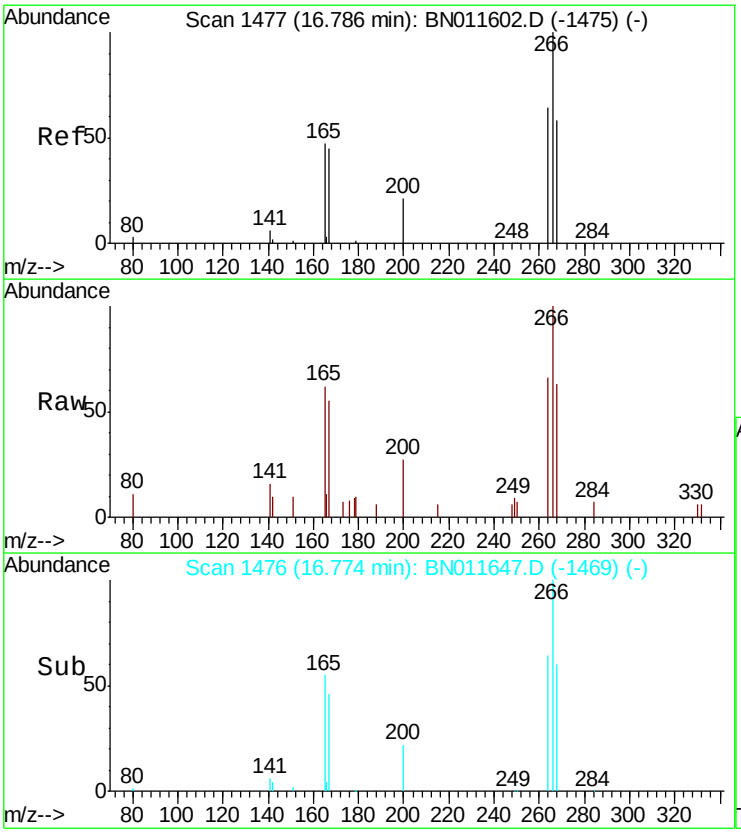
#23
Atrazine
Concen: 0.238 ng
RT: 16.59 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:200 Resp: 1650

Ion	Ratio	Lower	Upper
200	100		
173	33.9	28.2	42.4
215	49.3	39.8	59.6

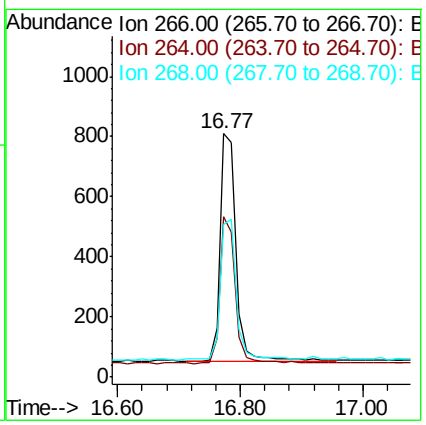


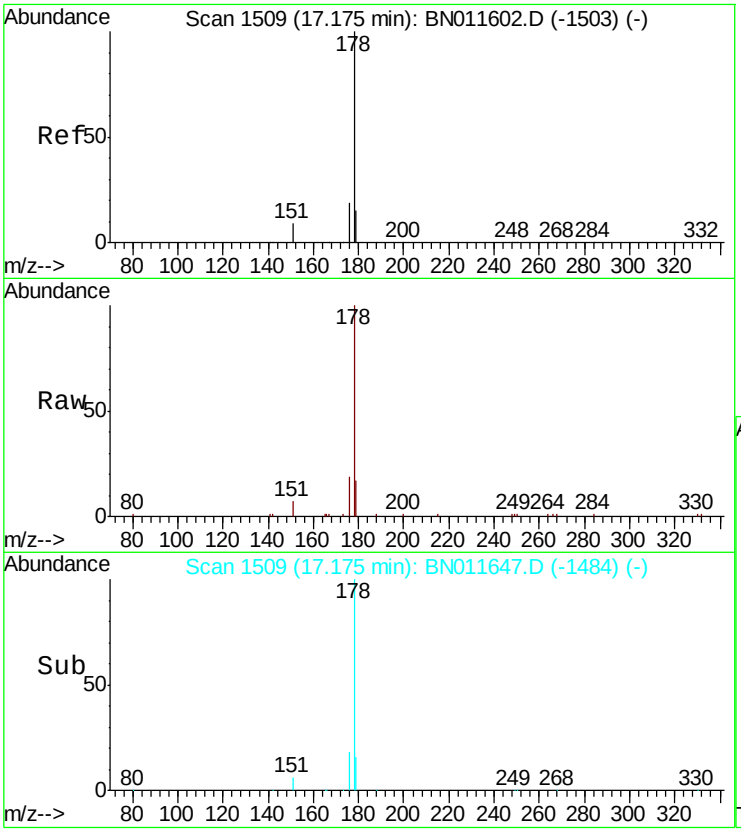


#24
Pentachlorophenol
Concen: 0.388 ng
RT: 16.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:266 Resp: 1390

Ion	Ratio	Lower	Upper
266	100		
264	60.9	48.1	72.1
268	61.4	48.4	72.6



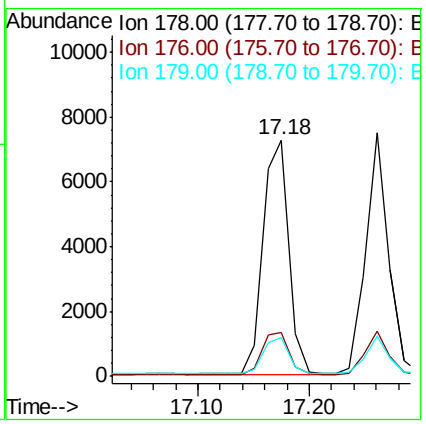


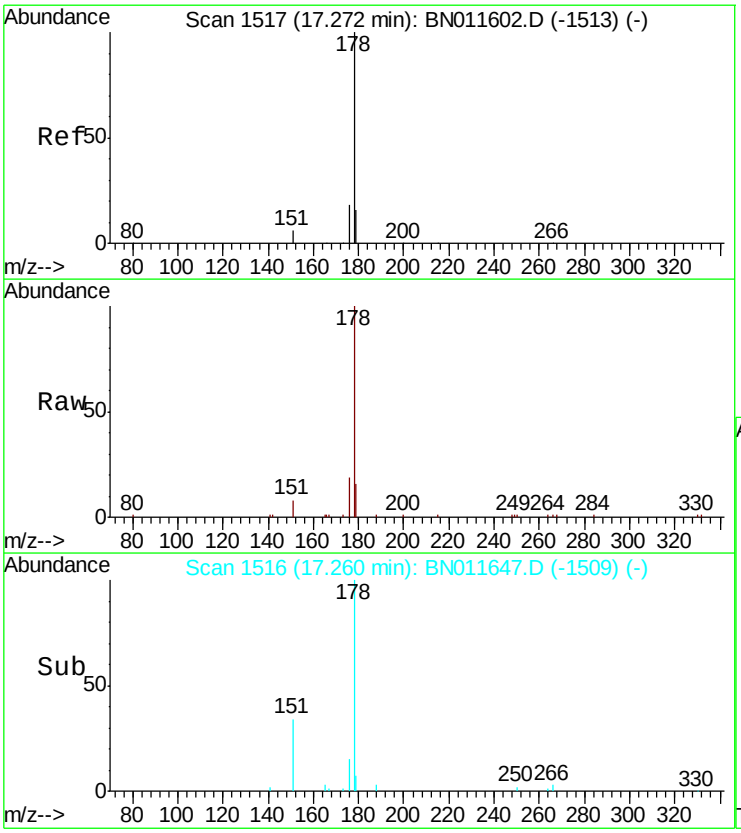
#25
Phenanthrene
Concen: 0.310 ng
RT: 17.18 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:178 Resp: 11606

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.9	12.6	18.8

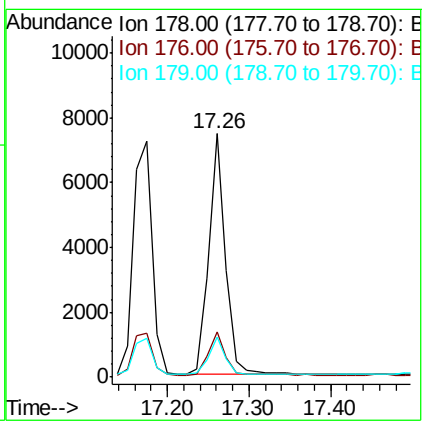


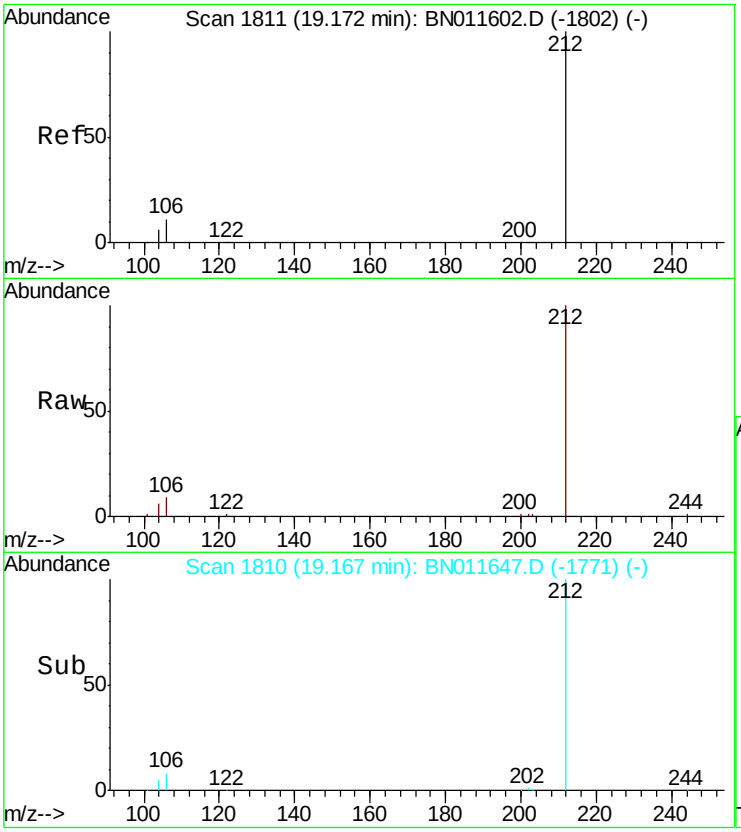


#26
Anthracene
Concen: 0.289 ng
RT: 17.26 min Scan# 1516
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:178 Resp: 10632

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.4	12.5	18.7



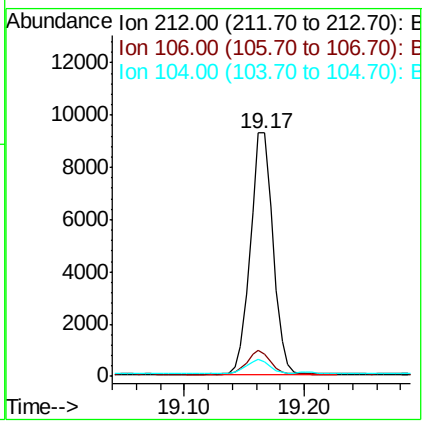


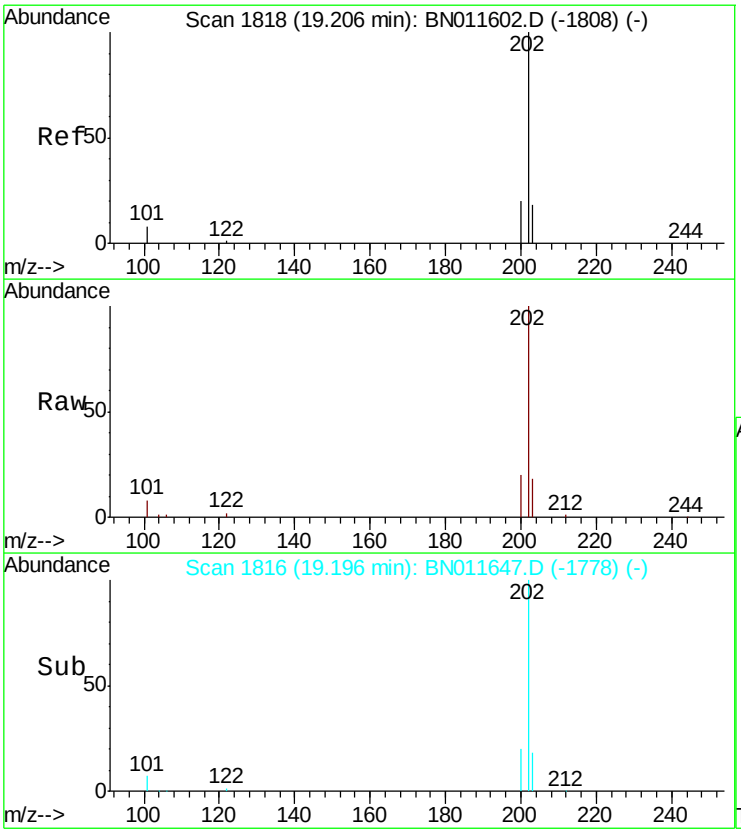
#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 19.17 min Scan# 1810
Delta R.T. -0.00 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:212 Resp: 12218

Ion	Ratio	Lower	Upper
212	100		
106	9.9	8.9	13.3
104	5.9	5.3	7.9

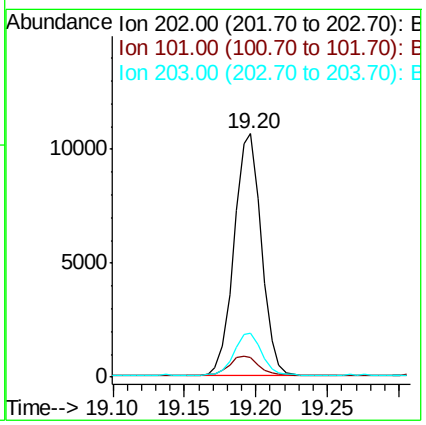


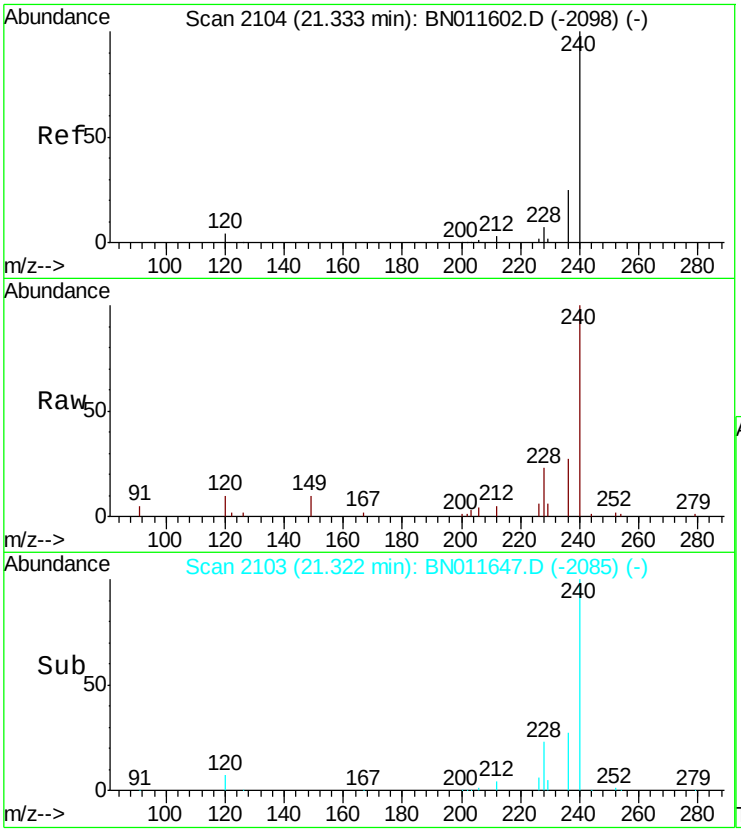


#28
Fluoranthene
Concen: 0.312 ng
RT: 19.20 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:202 Resp: 14113

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.7	11.5
203	17.4	13.9	20.9



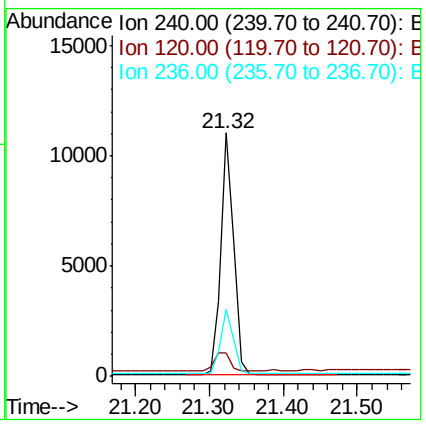


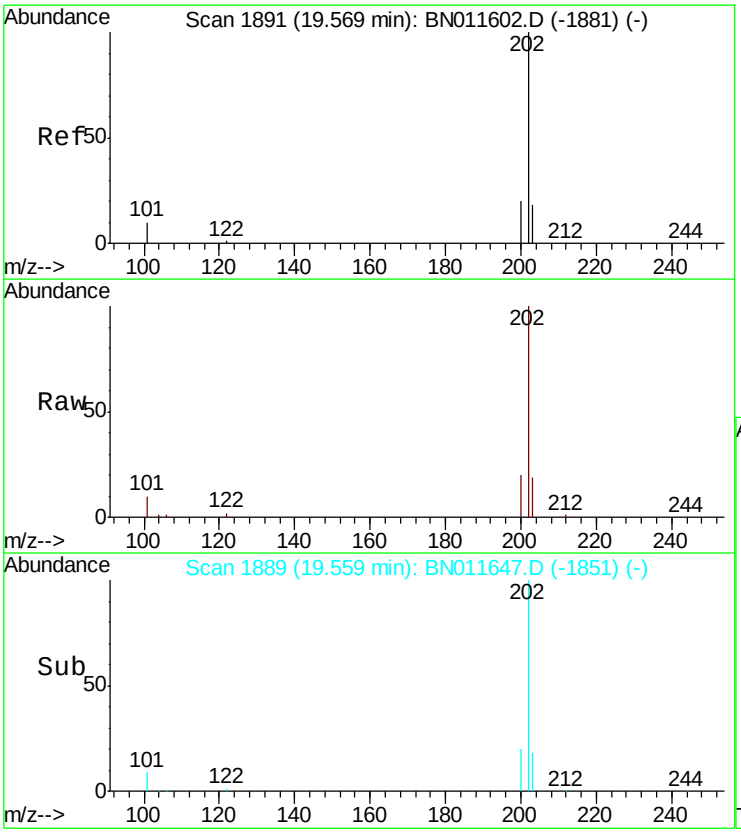
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.32 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:240 Resp: 13511

Ion	Ratio	Lower	Upper
240	100		
120	9.8	6.0	9.0#
236	27.3	20.8	31.2

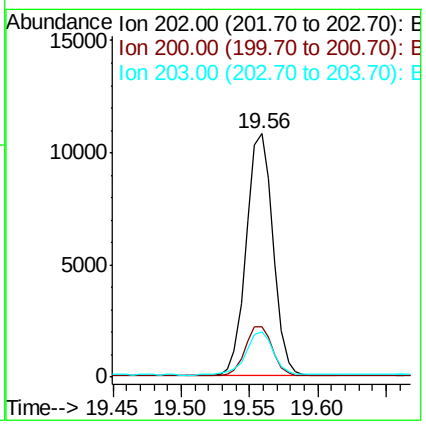


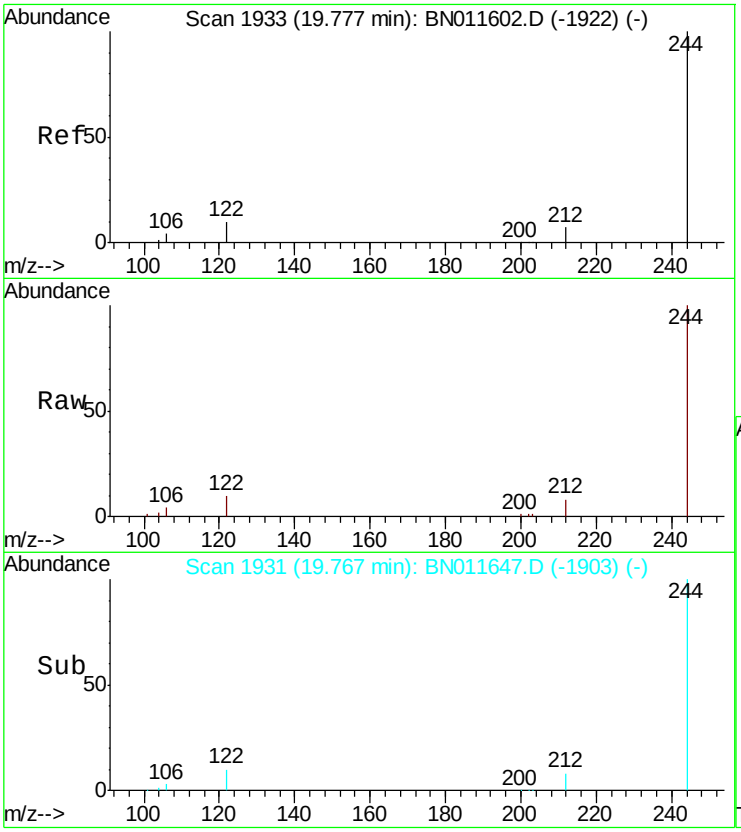


#30
Pyrene
Concen: 0.308 ng
RT: 19.56 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:202 Resp: 14746

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	18.4	14.2	21.4



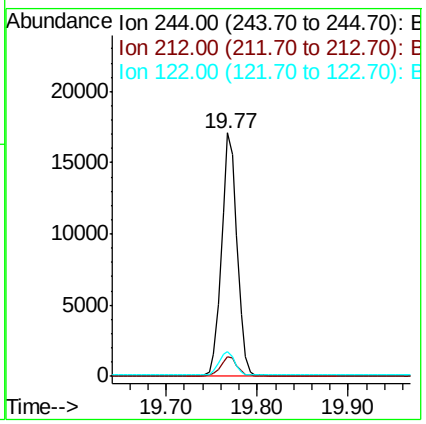


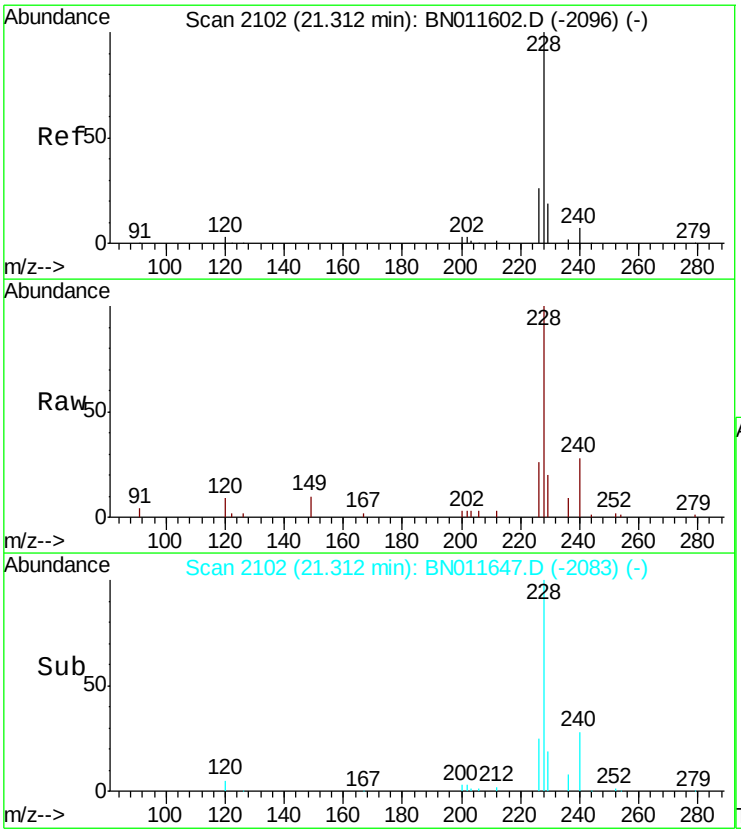
#31
Terphenyl-d14
Concen: 0.578 ng
RT: 19.77 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:244 Resp: 19939

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	10.1	9.5	14.3

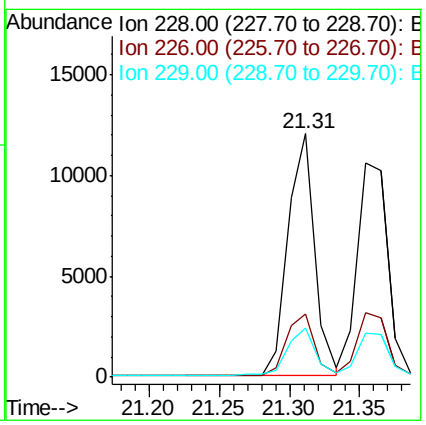


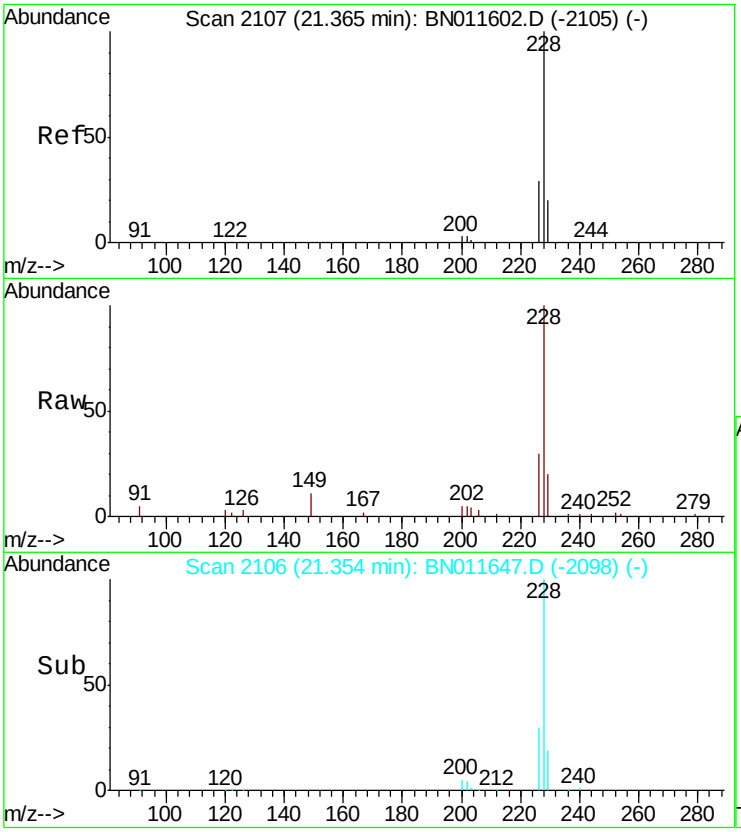


#32
Benzo(a)anthracene
Concen: 0.328 ng
RT: 21.31 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:228 Resp: 15967

Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.2	31.8
229	20.0	15.8	23.8



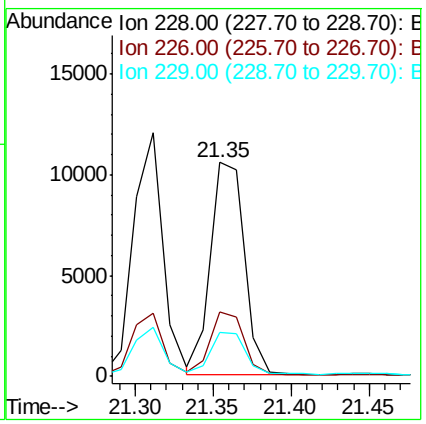


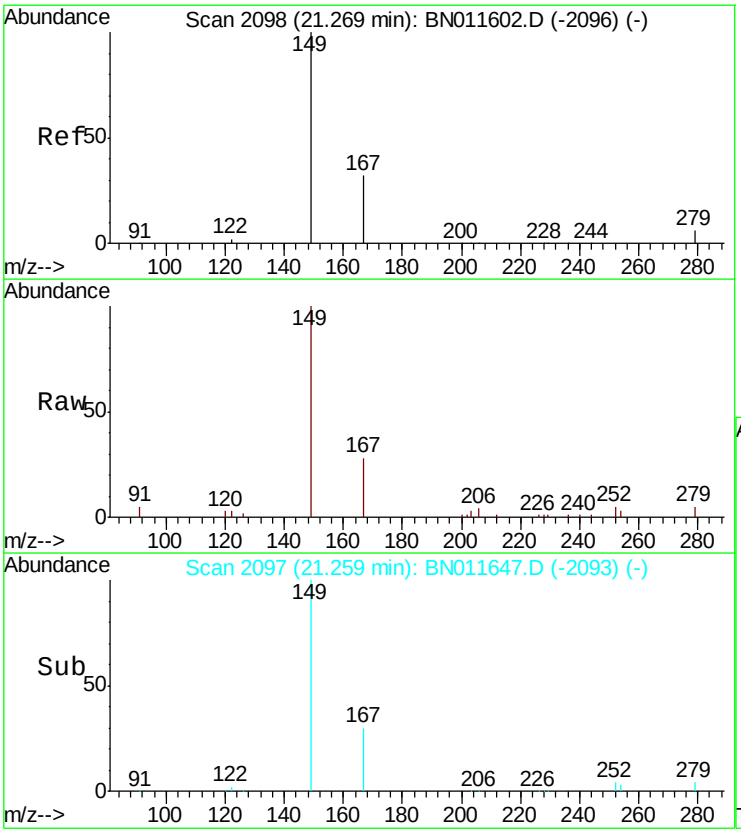
#33
Chrysene
Concen: 0.341 ng
RT: 21.35 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:228 Resp: 15822

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.6	35.4
229	20.2	16.0	24.0

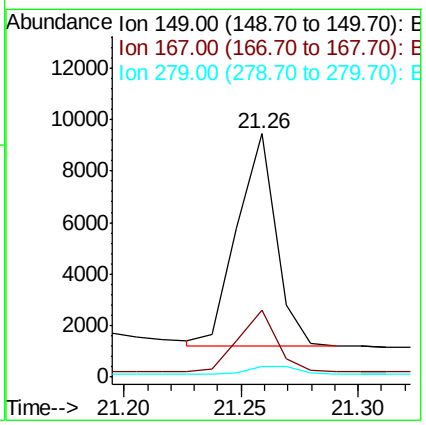


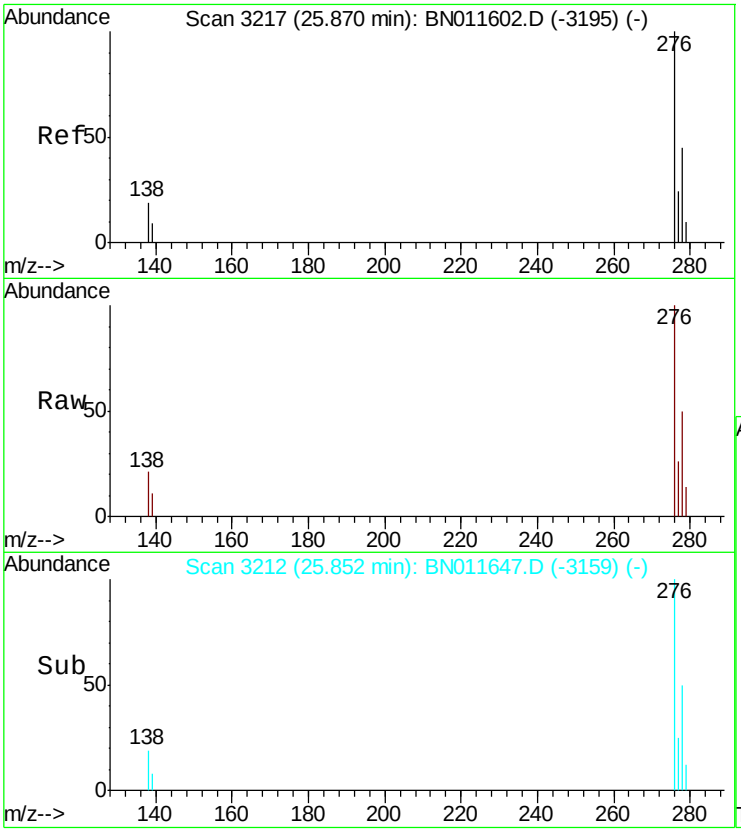


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.259 ng
RT: 21.26 min Scan# 2097
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:149 Resp: 9470

Ion	Ratio	Lower	Upper
149	100		
167	28.1	20.6	31.0
279	4.9	3.8	5.8



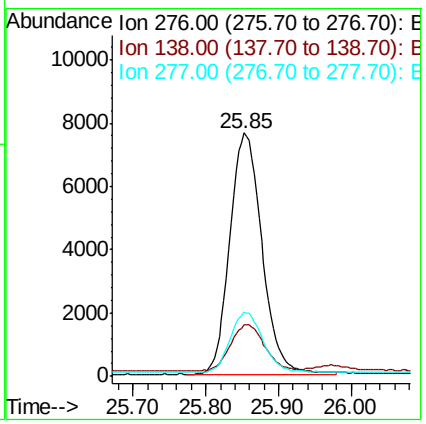


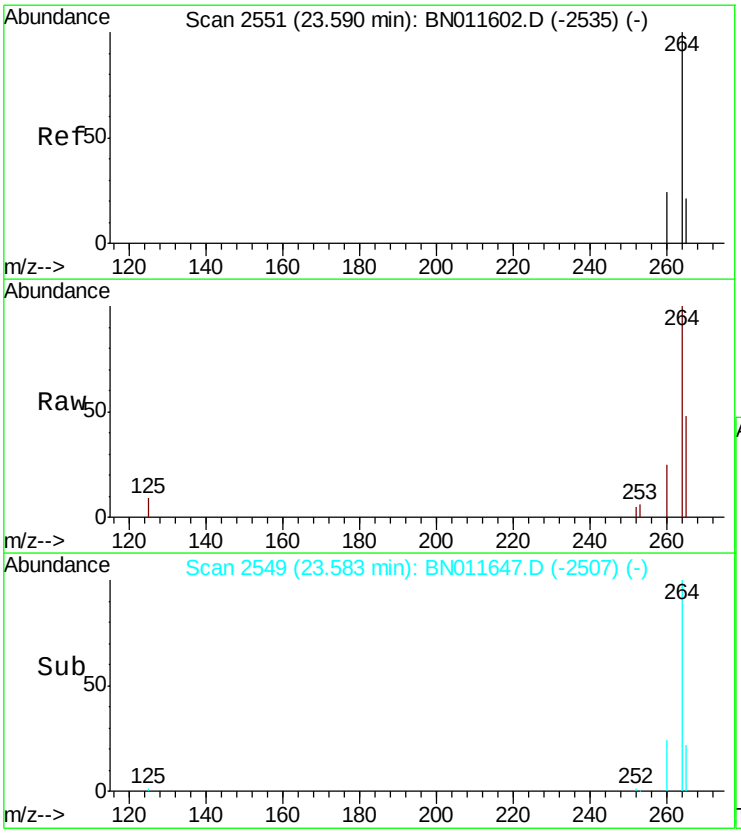
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.412 ng
RT: 25.85 min Scan# 3212
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:276 Resp: 23356

Ion	Ratio	Lower	Upper
276	100		
138	20.1	0.0	0.0#
277	25.2	0.0	0.0#

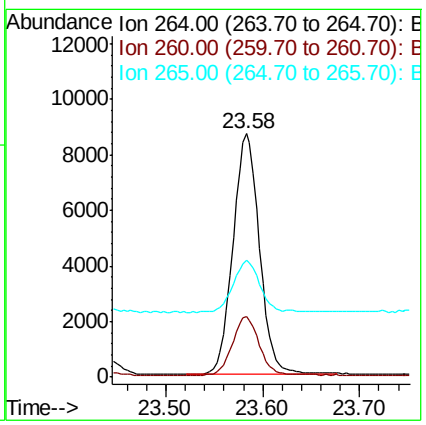


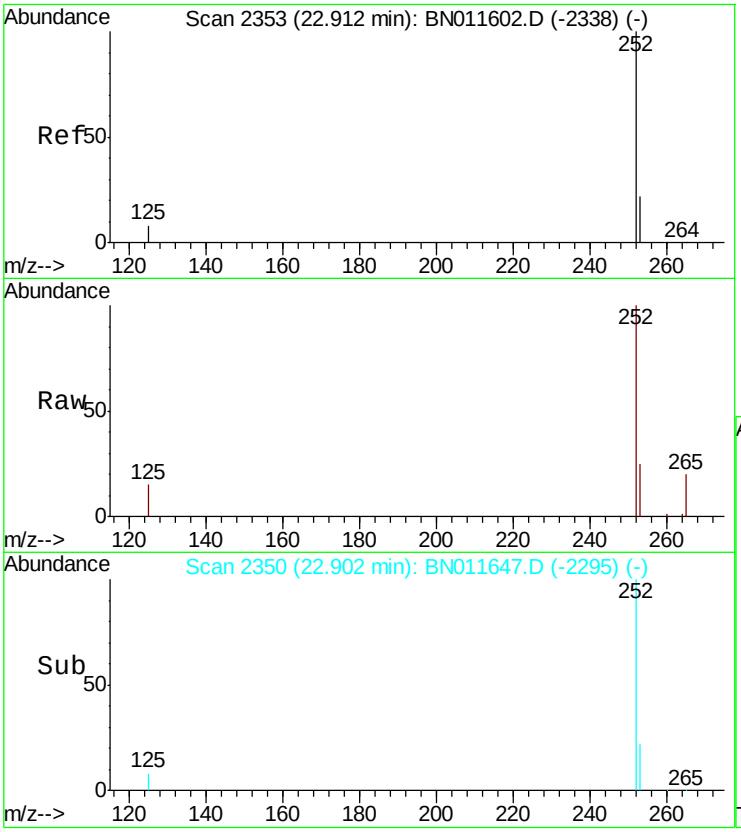


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.58 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:264 Resp: 16507

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	48.2	40.7	61.1



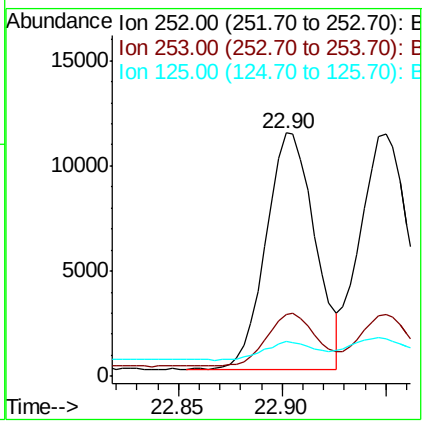


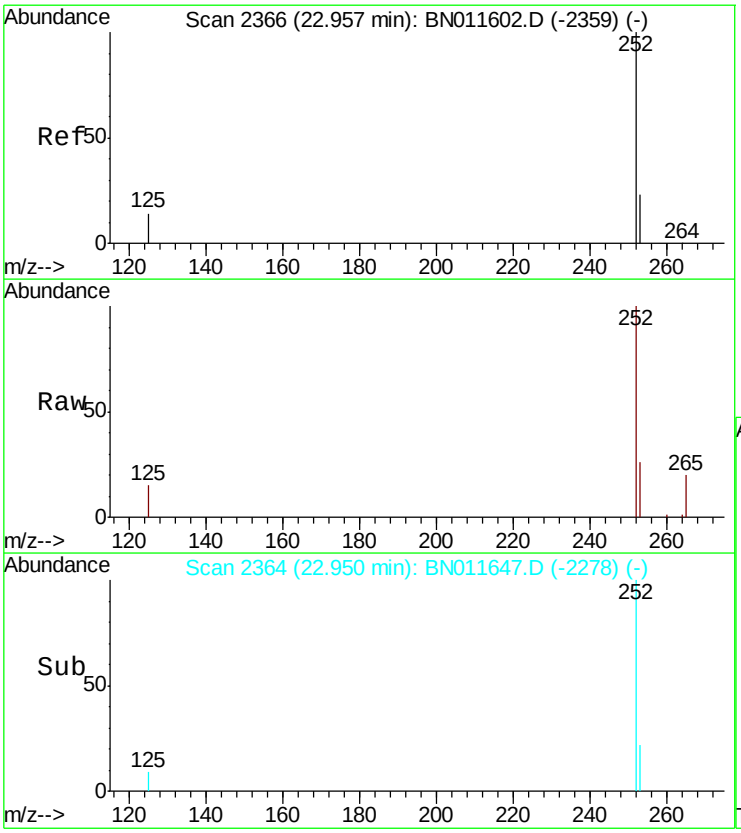
#37
Benzo(b)fluoranthene
Concen: 0.307 ng
RT: 22.90 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:252 Resp: 18364

Ion	Ratio	Lower	Upper
252	100		
253	25.3	21.0	31.6
125	14.6	11.0	16.6

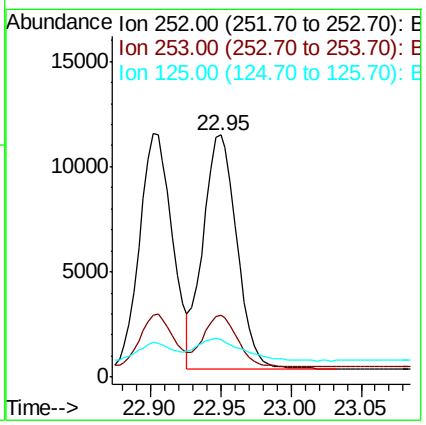


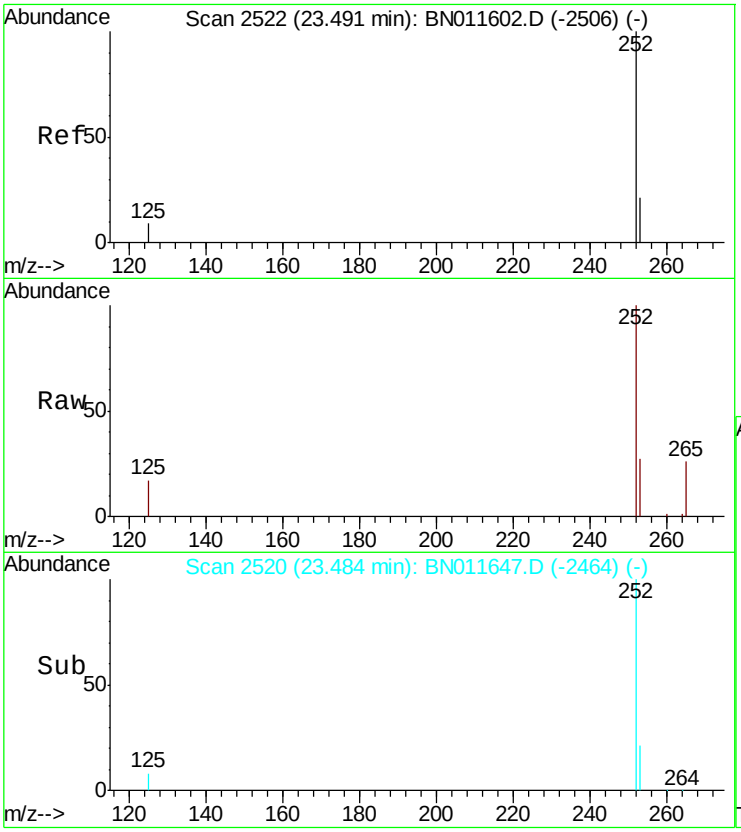


#38
Benzo(k)fluoranthene
Concen: 0.314 ng
RT: 22.95 min Scan# 2364
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:252 Resp: 18663

Ion	Ratio	Lower	Upper
252	100		
253	25.6	21.2	31.8
125	15.5	14.6	21.8



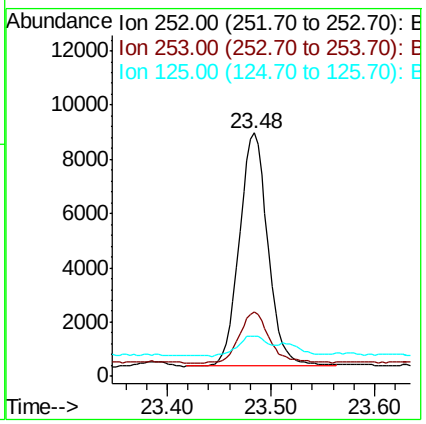


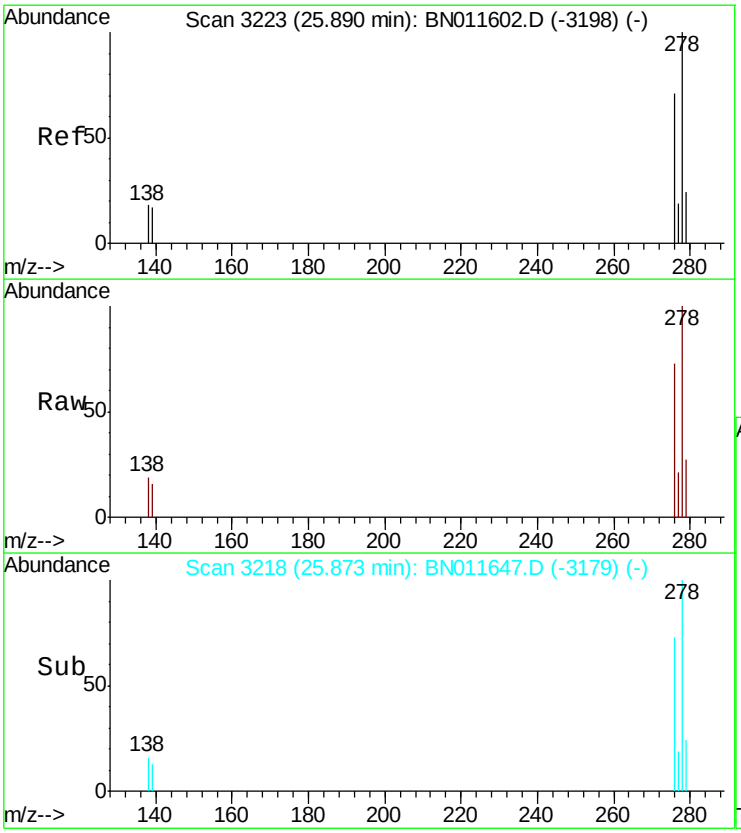
#39
Benzo(a)pyrene
Concen: 0.296 ng
RT: 23.48 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:252 Resp: 16476

Ion	Ratio	Lower	Upper
252	100		
253	26.5	21.2	31.8
125	16.7	12.1	18.1

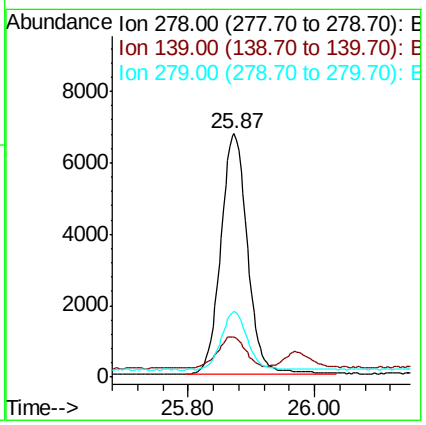


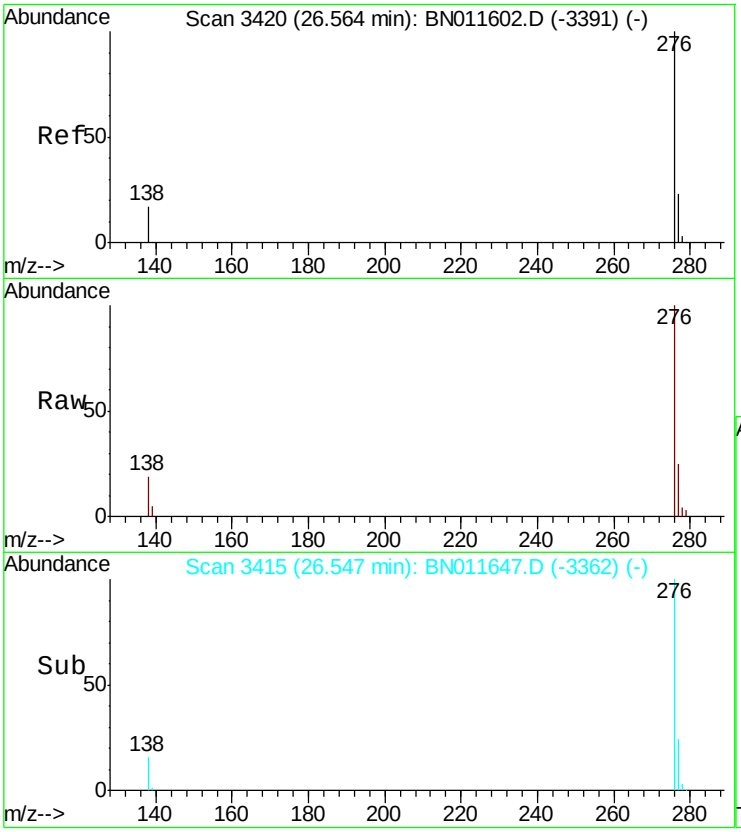


#40
Dibenzo(a,h)anthracene
Concen: 0.338 ng
RT: 25.87 min Scan# 3218
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Tgt Ion:278 Resp: 19699

Ion	Ratio	Lower	Upper
278	100		
139	16.3	16.6	25.0#
279	26.7	21.4	32.2





#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 26.55 min Scan# 3415
Delta R.T. -0.02 min
Lab File: BN011647.D
Acq: 26 Aug 2020 16:20

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tgt Ion:276 Resp: 20484

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.5	30.7
138	19.2	17.8	26.6