Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082420\
Data File : BN011606.D
Acq On : 24 Aug 2020 20:35
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC5.0

Quant Time: Aug 25 03:32:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 18:42:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	2682	0.40	ng		0.00
7) Naphthalene-d8	10.54	136	10012	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	6587	0.40	ng		0.00
19) Phenanthrene-d10	17.14	188	14637	0.40	ng		0.00
29) Chrysene-d12	21.33	240	15584	0.40	ng		0.00
36) Perylene-d12	23.59	264	15219	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	33518	5.86	ng		0.00
5) Phenol-d6	6.92	99	47779	8.26	ng		0.00
8) Nitrobenzene-d5	8.89	82	39889	6.06	ng		-0.01
11) 2-Methylnaphthalene-d10	12.14	152	84063	4.70	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	16194	4.94	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	111895	4.13	ng		0.00
27) Fluoranthene-d10	19.17	212	208010	4.22	ng		0.00
31) Terphenyl-d14	19.78	244	171032	4.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	16517	4.507	ng	#	1
3) n-Nitrosodimethylamine	3.59	42	18393	12.170	ng	#	93
6) bis(2-Chloroethyl)ether	7.18	93	34691	6.137	ng		97
9) Naphthalene	10.59	128	126772	4.370	ng	#	92
10) Hexachlorobutadiene	10.88	225	26447	3.258	ng	#	99
12) 2-Methylnaphthalene	12.21	142	92243	4.620	ng		97
16) Acenaphthylene	14.12	152	152843	4.562	ng		99
17) Acenaphthene	14.46	154	98147	4.464	ng		100
18) Fluorene	15.45	166	123618	4.251	ng		99
20) 4,6-Dinitro-2-methylphenol	15.51	198	8948	5.060	ng	#	24
21) 4-Bromophenyl-phenylether	16.34	248	37320	11.671	ng		89
22) Hexachlorobenzene	16.44	284	43704	3.872	ng		99
23) Atrazine	16.60	200	37824	4.967	ng		94
24) Pentachlorophenol	16.79	266	20487	5.825	ng		96
25) Phenanthrene	17.17	178	198728	4.313	ng		99
26) Anthracene	17.27	178	194617	5.064	ng		99
28) Fluoranthene	19.20	202	232456	3.922	ng		100
30) Pyrene	19.56	202	238280	3.844	ng		100
32) Benzo(a)anthracene	21.31	228	240285	4.694	ng		99
33) Chrysene	21.36	228	230277	3.954	ng		99
35) Indeno(1,2,3-cd)pyrene	25.87	276	280217	5.299	ng	#	100
37) Benzo(b)fluoranthene	22.91	252	243188	4.322	ng	#	90
38) Benzo(k)fluoranthene	22.96	252	238079	3.551	ng	#	86
39) Benzo(a)pyrene	23.49	252	225320	4.328	ng	#	90
40) Dibenzo(a,h)anthracene	25.89	278	230839	5.303	ng	#	90
41) Benzo(g,h,i)perylene	26.57	276	225991	4.352	ng	#	93

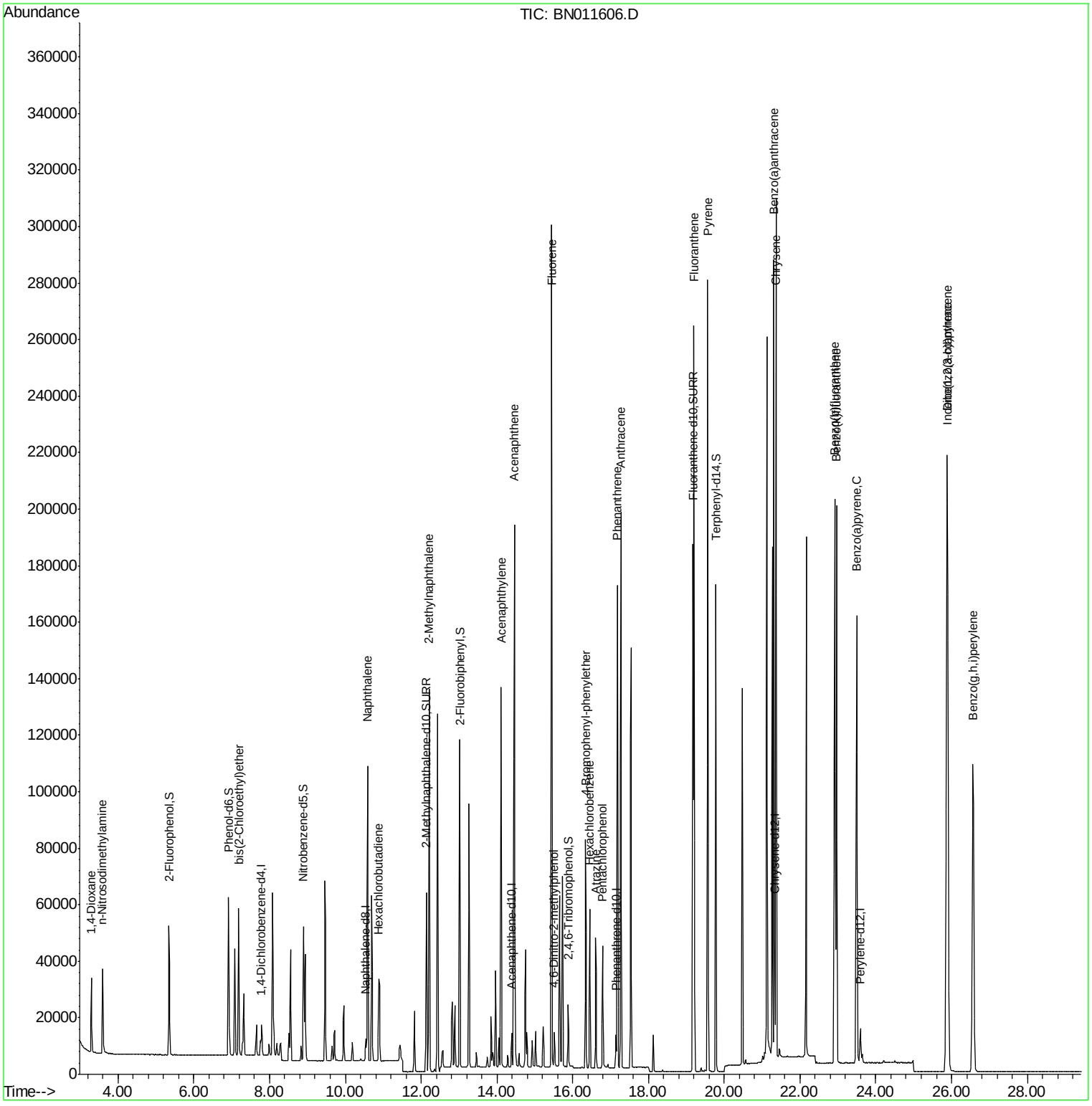
(#) = qualifier out of range (m) = manual integration (+) = signals summed

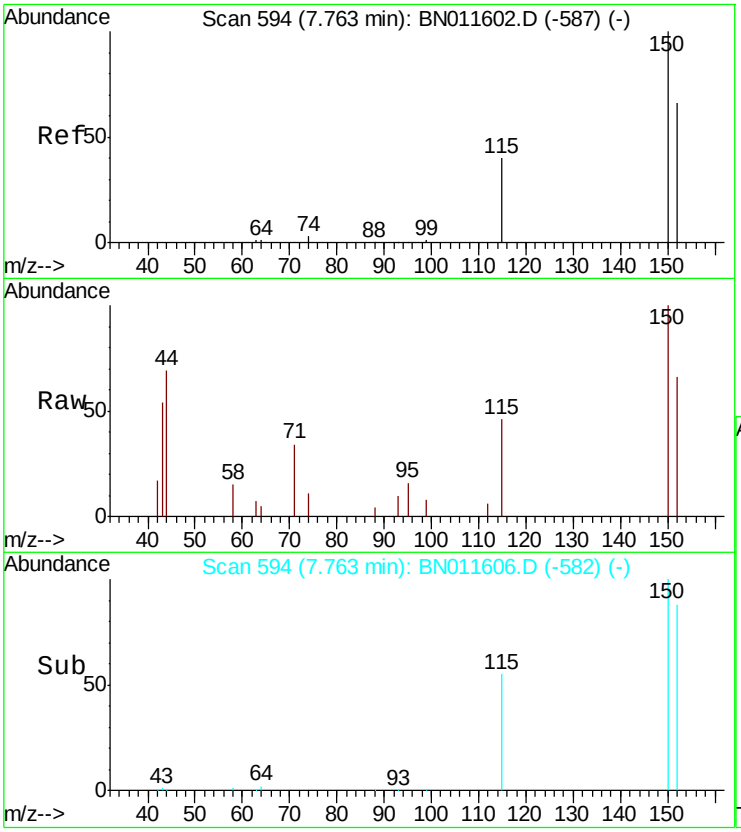
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082420\
Data File : BN011606.D
Acq On : 24 Aug 2020 20:35
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Aug 25 03:32:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 18:42:22 2020
Response via : Initial Calibration



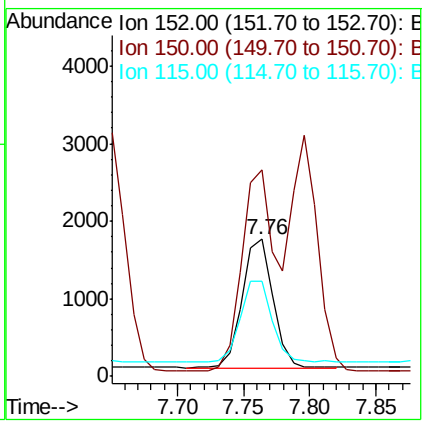


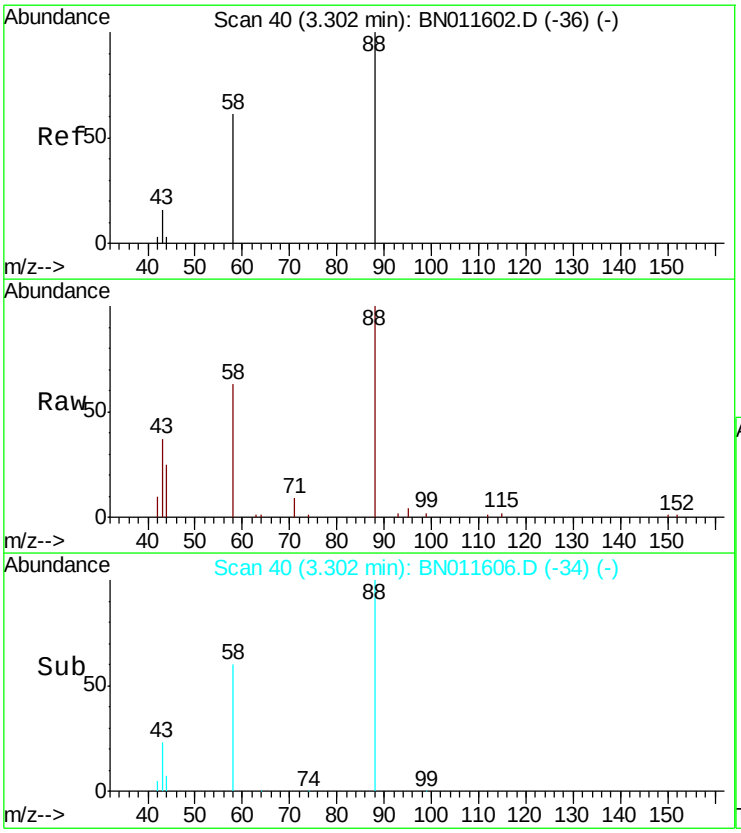
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 594
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2682

Ion	Ratio	Lower	Upper
152	100		
150	150.6	112.4	168.6
115	69.2	56.9	85.3

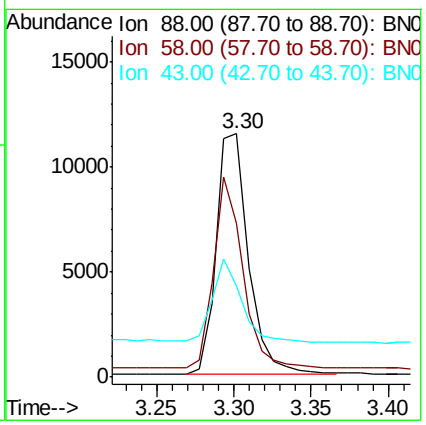


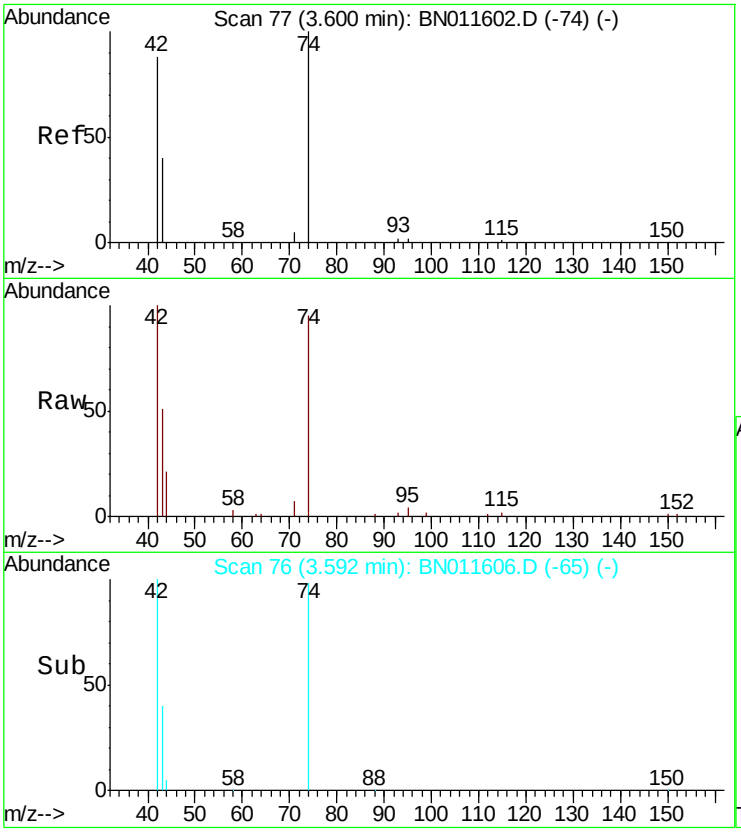


#2
1,4-Dioxane
Concen: 4.507 ng
RT: 3.30 min Scan# 40
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion: 88 Resp: 16517

Ion	Ratio	Lower	Upper
88	100		
58	71.9	3.0	4.4#
43	31.7	0.0	0.0#



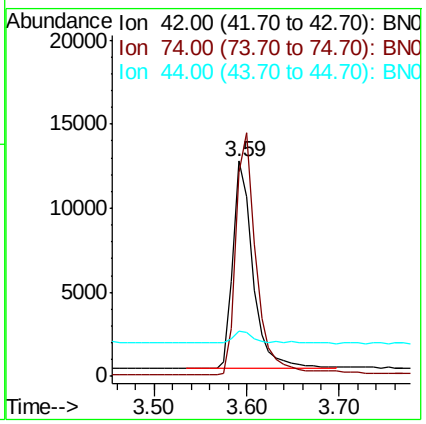


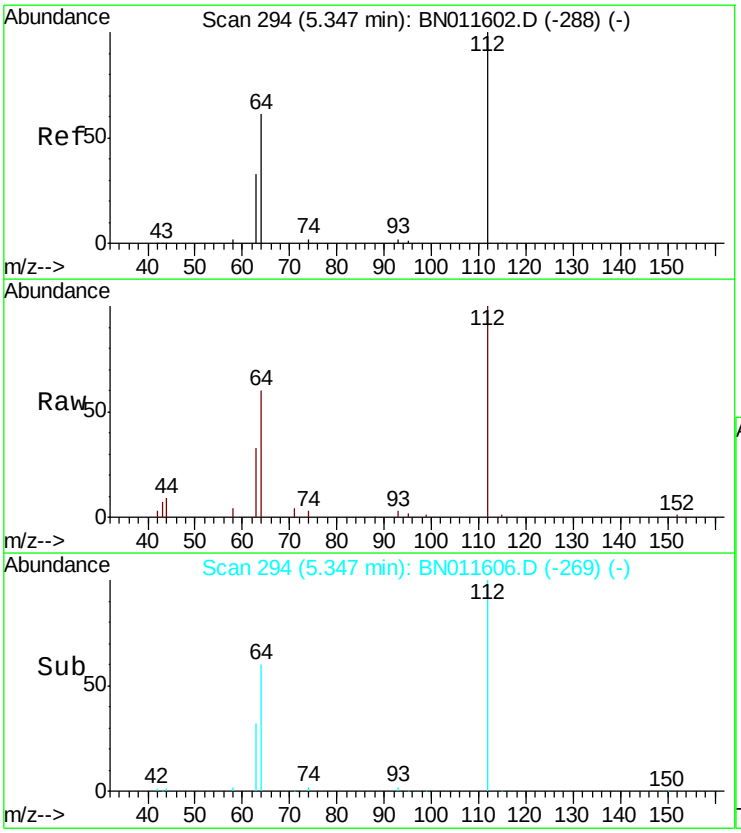
#3
n-Nitrosodimethylamine
Concen: 12.170 ng
RT: 3.59 min Scan# 76
Delta R.T. -0.01 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 18393

Ion	Ratio	Lower	Upper
42	100		
74	116.5	0.0	0.0#
44	7.6	8.2	12.4#

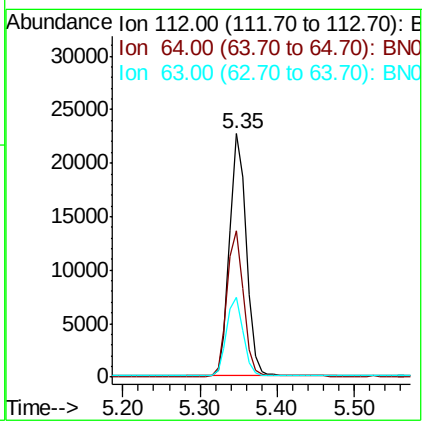


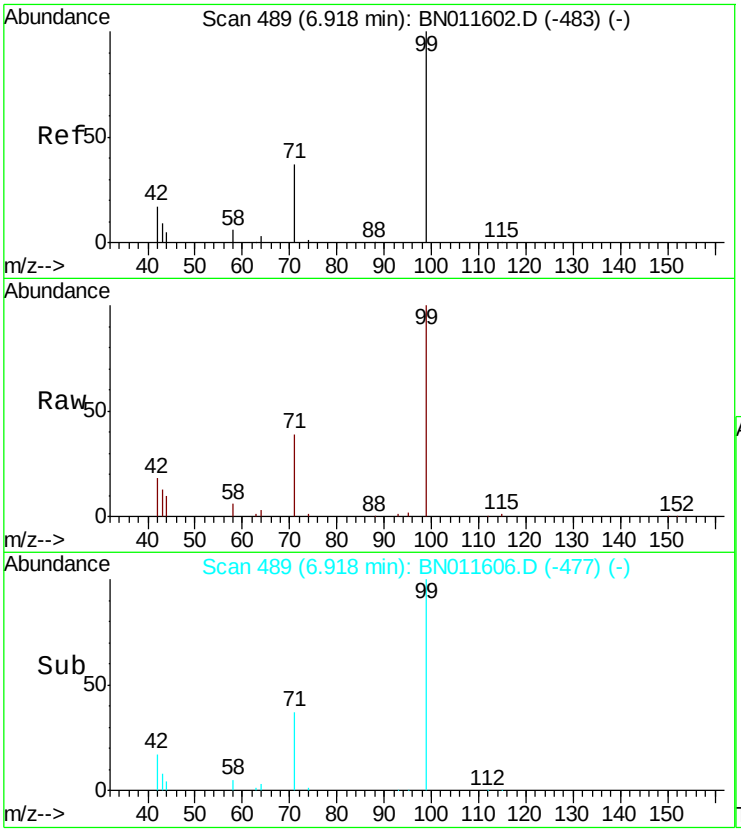


#4
2-Fluorophenol
Concen: 5.855 ng
RT: 5.35 min Scan# 294
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:112 Resp: 33518

Ion	Ratio	Lower	Upper
112	100		
64	60.3	49.6	74.4
63	32.5	26.4	39.6



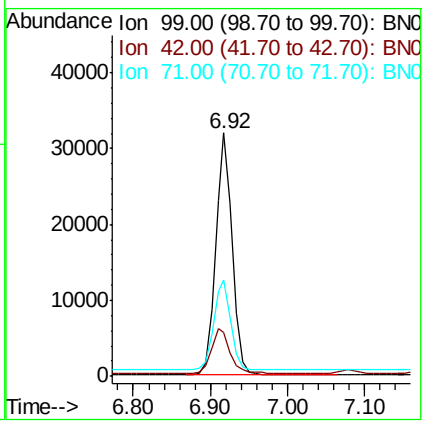


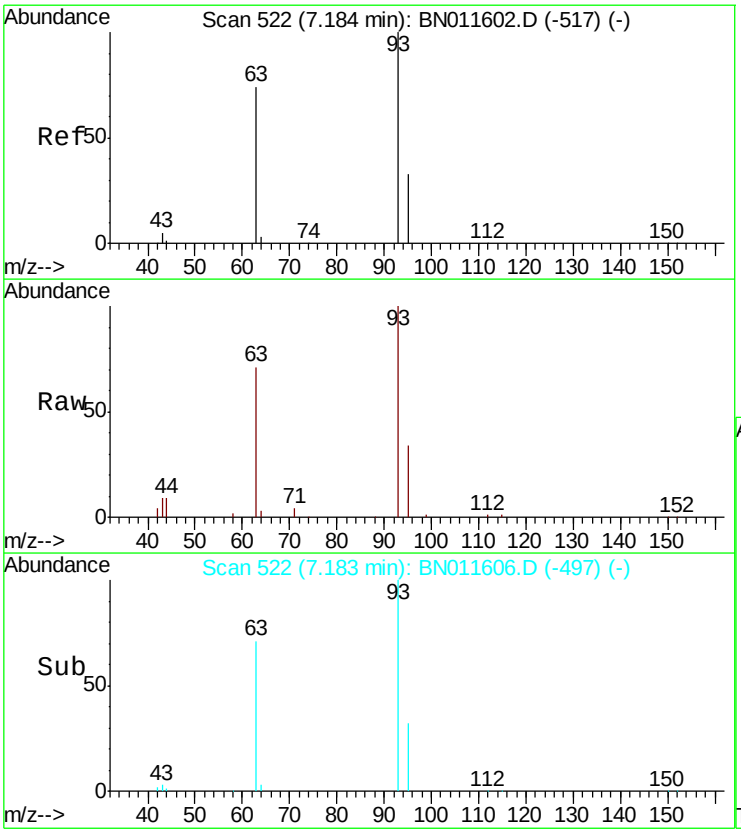
#5
Phenol-d6
Concen: 8.265 ng
RT: 6.92 min Scan# 489
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 47779

Ion	Ratio	Lower	Upper
99	100		
42	20.3	0.0	0.0#
71	38.2	0.0	0.0#

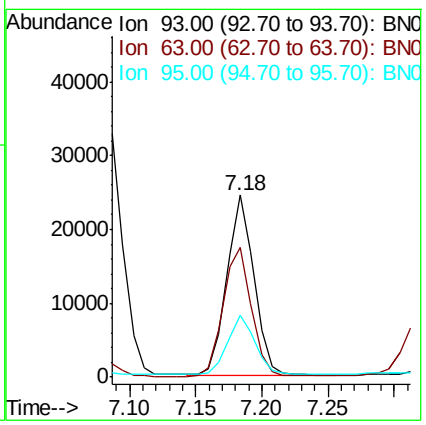


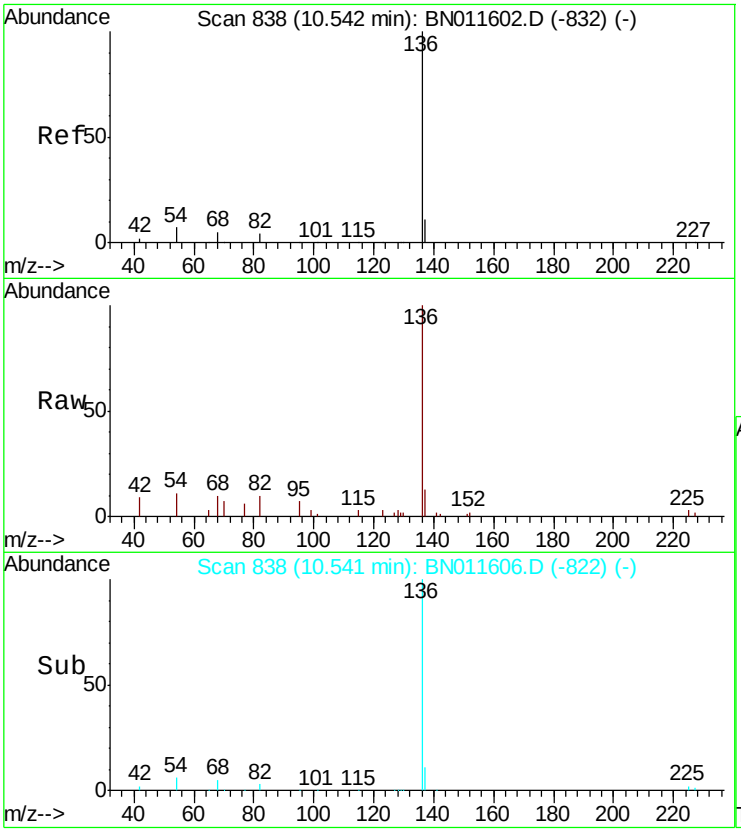


#6
bis(2-Chloroethyl)ether
Concen: 6.137 ng
RT: 7.18 min Scan# 522
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion: 93 Resp: 34691

Ion	Ratio	Lower	Upper
93	100		
63	74.2	57.8	86.8
95	32.8	28.3	42.5



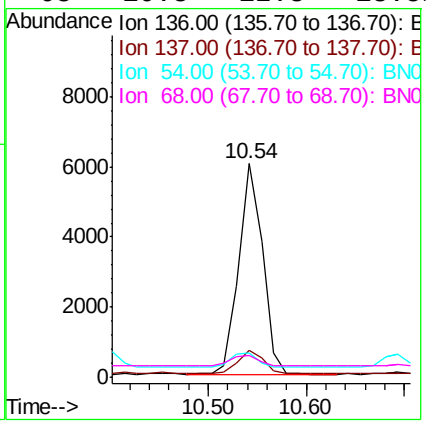


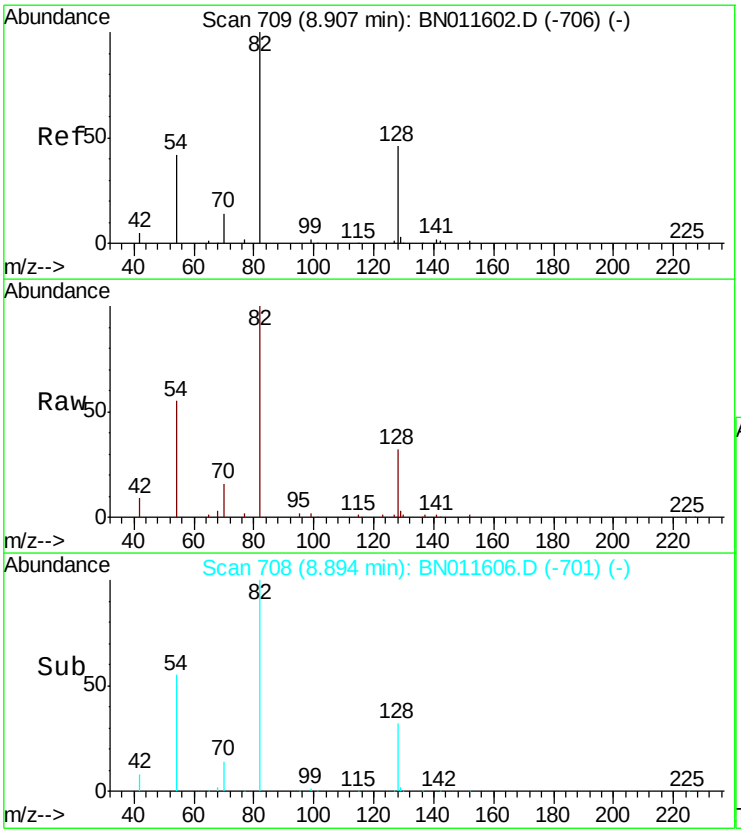
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 838
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 10012

Ion	Ratio	Lower	Upper
136	100		
137	12.7	11.5	17.3
54	11.1	11.9	17.9#
68	10.3	12.3	18.5#

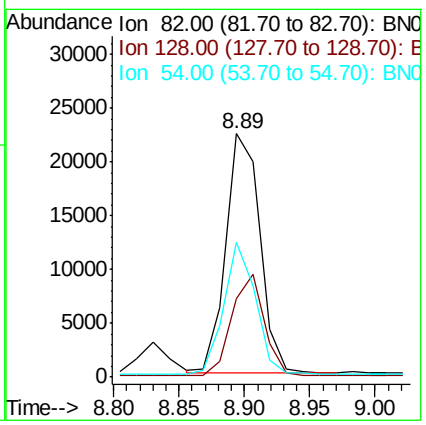


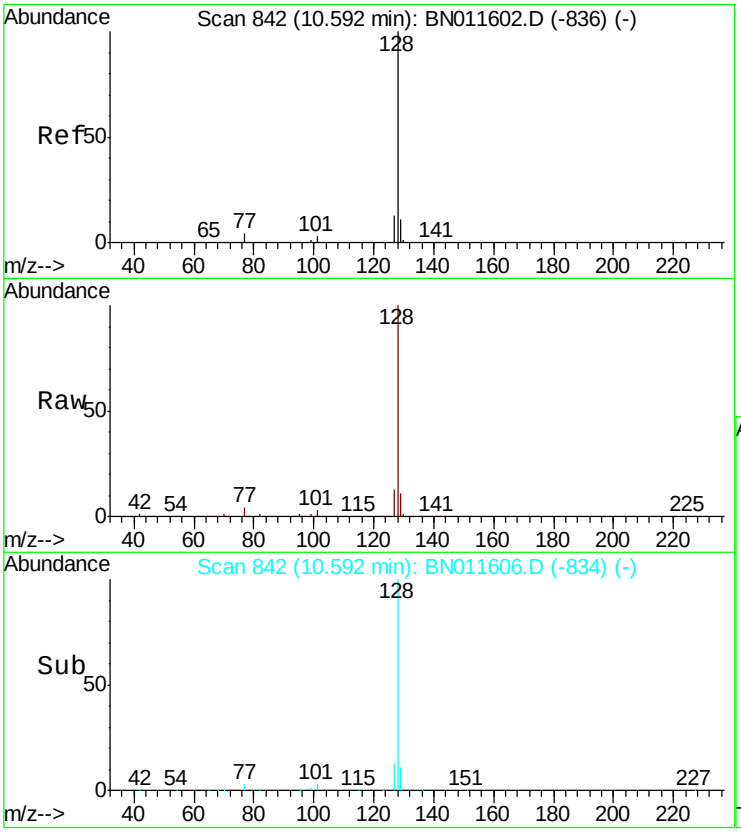


#8
Nitrobenzene-d5
Concen: 6.061 ng
RT: 8.89 min Scan# 708
Delta R.T. -0.01 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion: 82 Resp: 39889

Ion	Ratio	Lower	Upper
82	100		
128	32.0	31.1	46.7
54	55.1	37.1	55.7



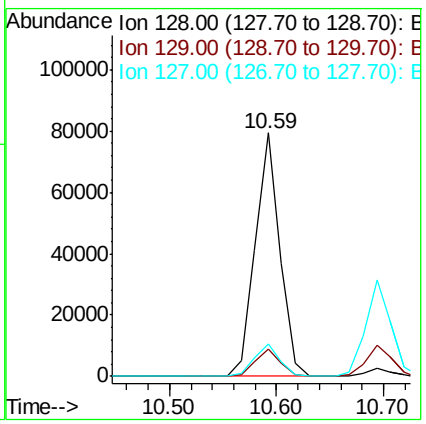


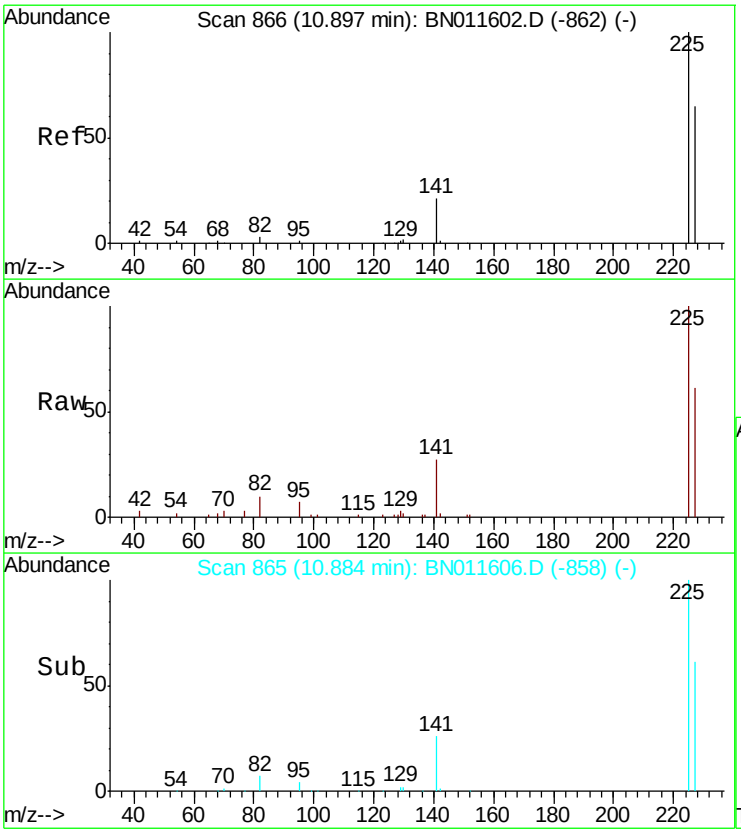
#9
Naphthalene
Concen: 4.370 ng
RT: 10.59 min Scan# 842
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 126772

Ion	Ratio	Lower	Upper
128	100		
129	11.1	11.0	16.4
127	13.1	13.5	20.3#

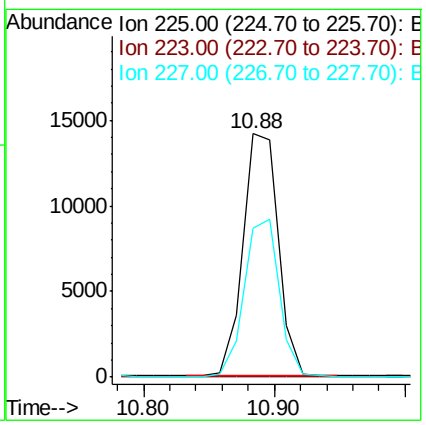


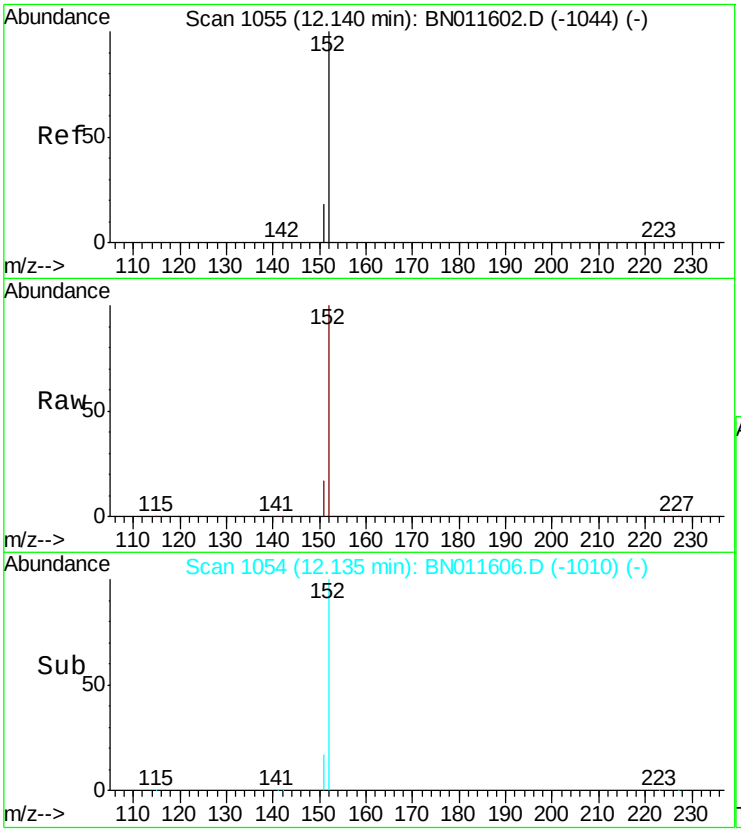


#10
Hexachlorobutadiene
Concen: 3.258 ng
RT: 10.88 min Scan# 865
Delta R.T. -0.01 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:225 Resp: 26447

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.2	75.2



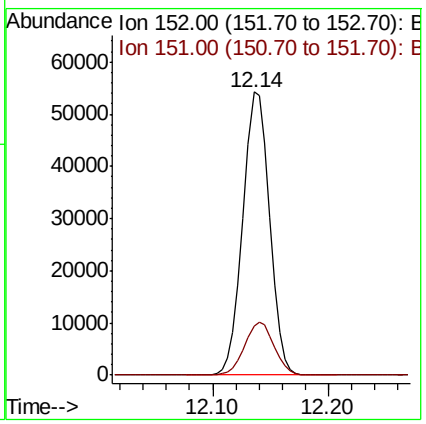


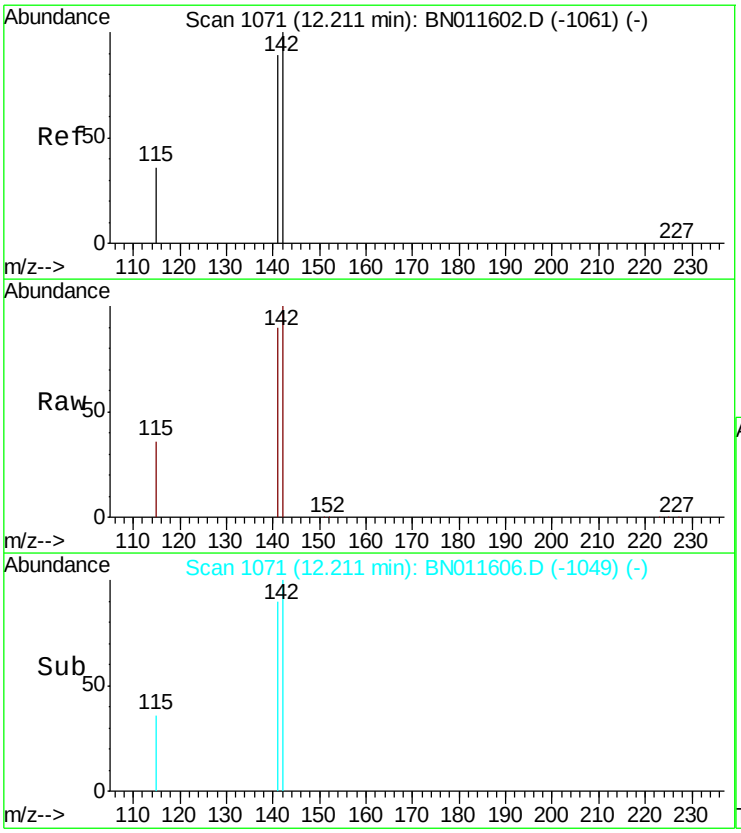
#11
2-Methylnaphthalene-d10
Concen: 4.700 ng
RT: 12.14 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 84063

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6

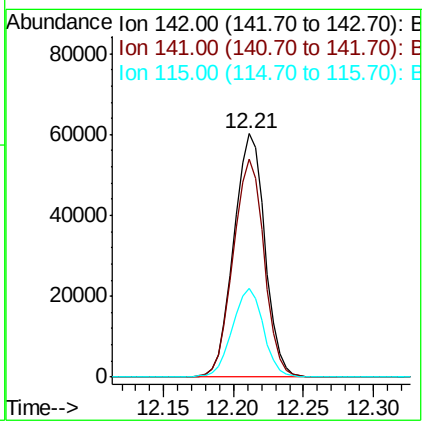


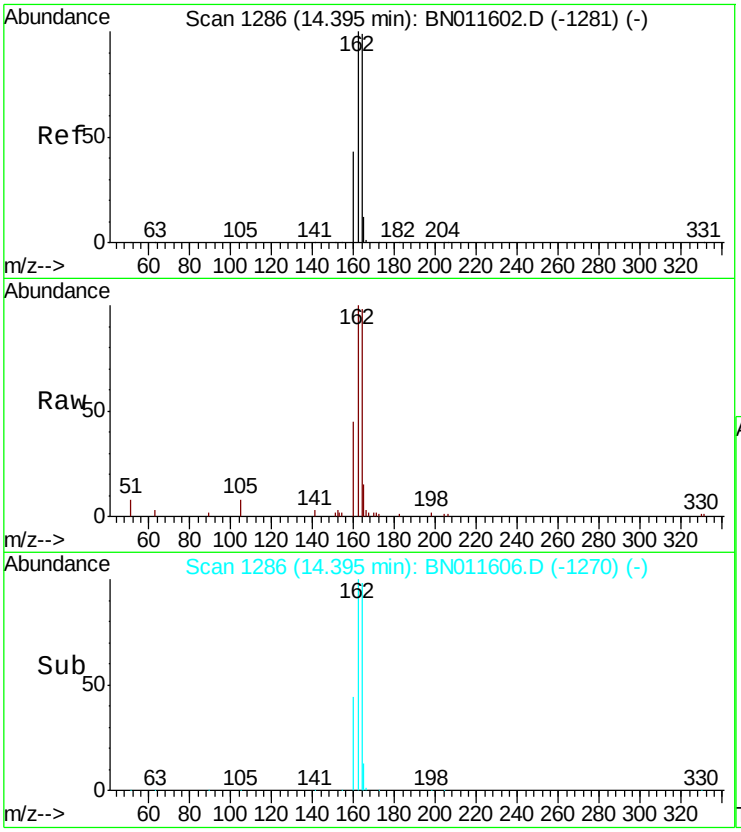


#12
2-Methylnaphthalene
Concen: 4.620 ng
RT: 12.21 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:142 Resp: 92243

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.7	109.1
115	36.3	32.7	49.1



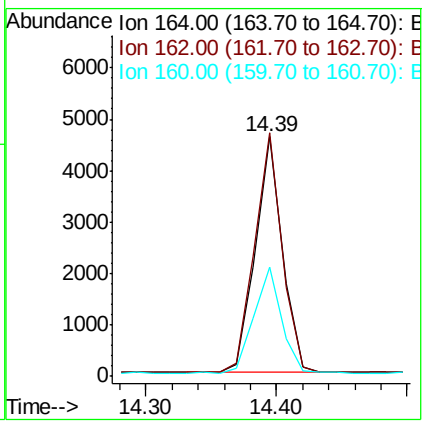


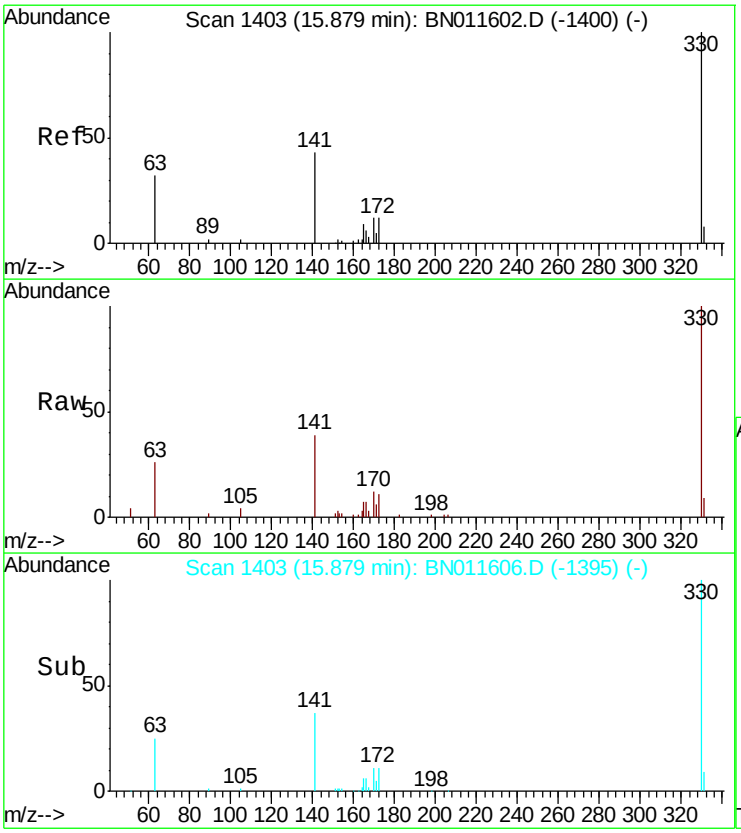
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 6587

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.8	121.2
160	45.4	35.6	53.4

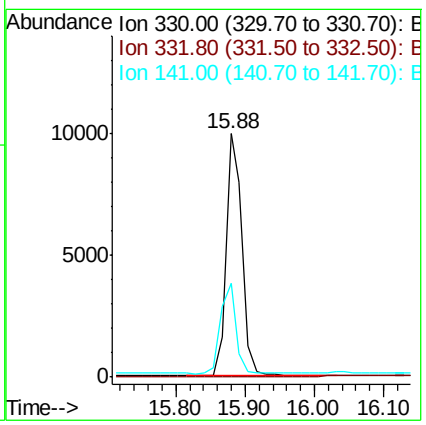


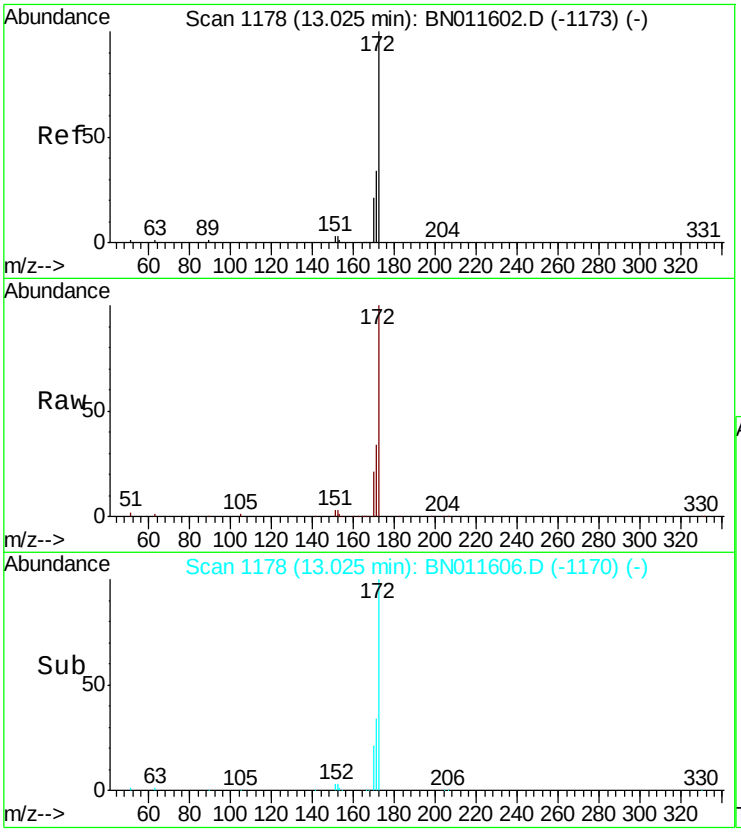


#14
2,4,6-Tribromophenol
Concen: 4.938 ng
RT: 15.88 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:330 Resp: 16194

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.6	29.4	44.2



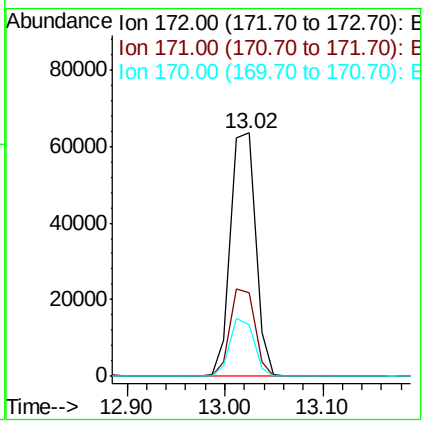


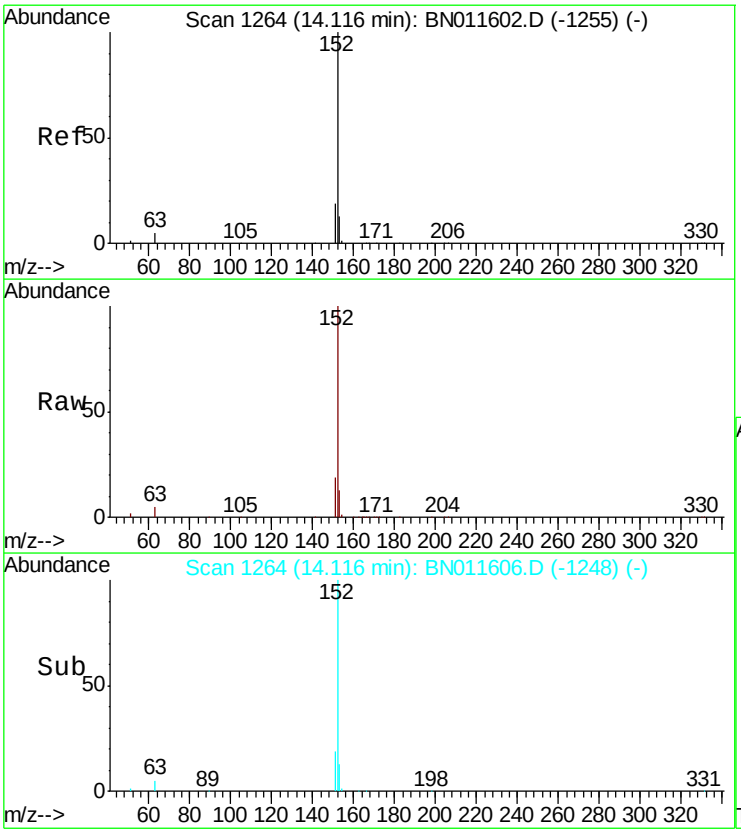
#15
2-Fluorobiphenyl
Concen: 4.130 ng
RT: 13.02 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 111895

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.6	42.8
170	21.4	18.2	27.2

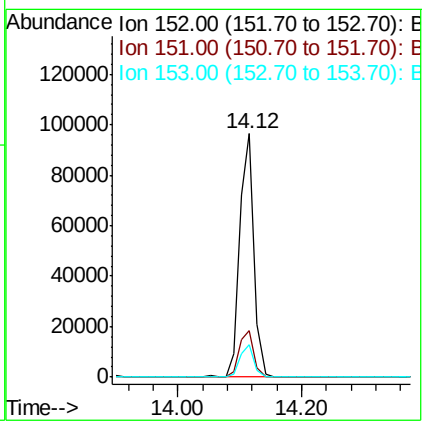


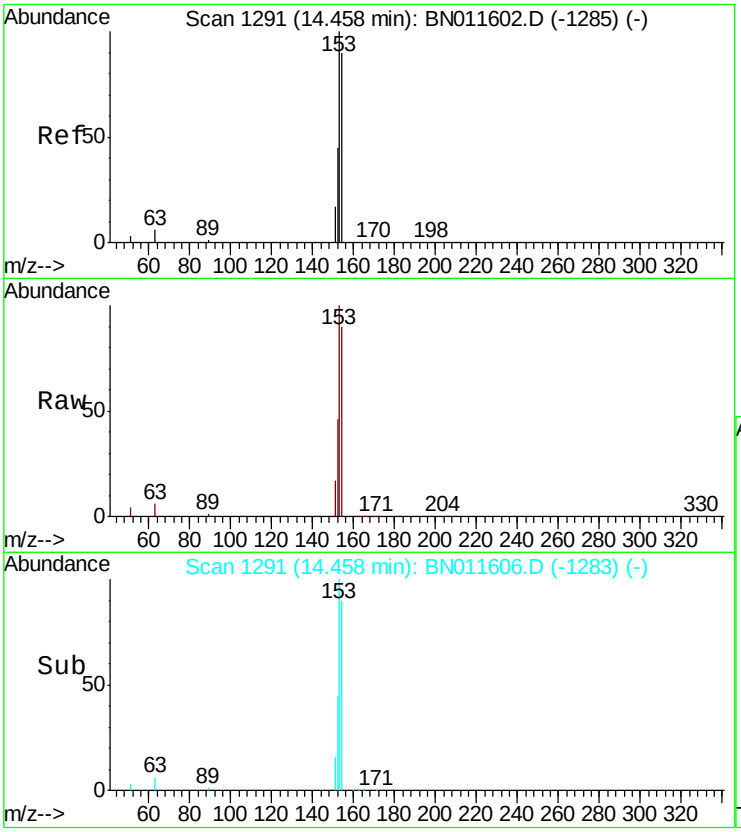


#16
Acenaphthylene
Concen: 4.562 ng
RT: 14.12 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:152 Resp: 152843

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2
153	13.1	11.0	16.4



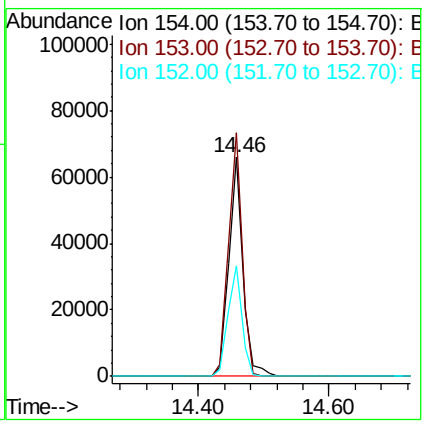


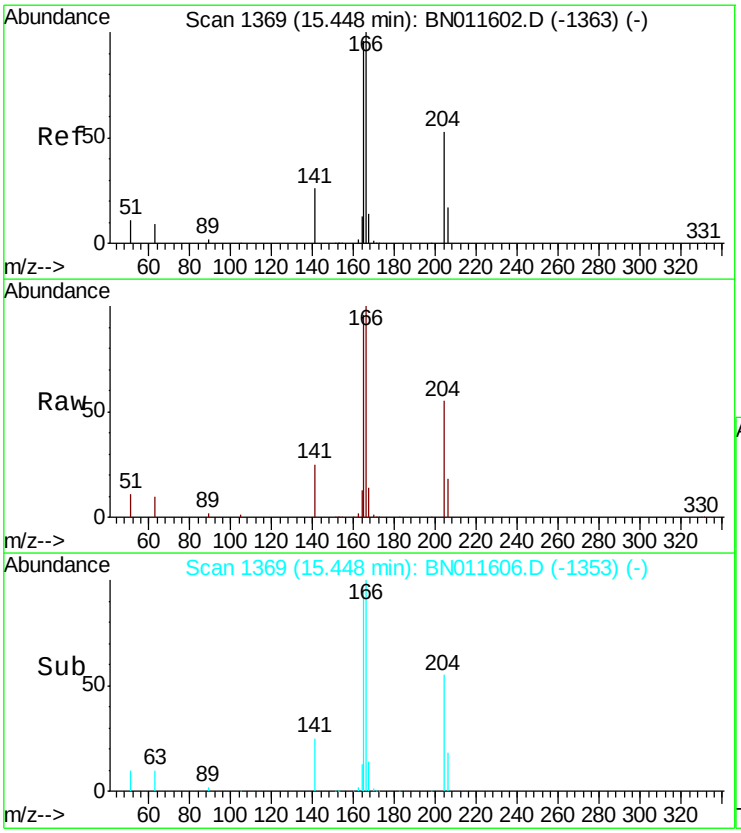
#17
Acenaphthene
Concen: 4.464 ng
RT: 14.46 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 98147

Ion	Ratio	Lower	Upper
154	100		
153	107.7	86.6	130.0
152	49.9	40.1	60.1

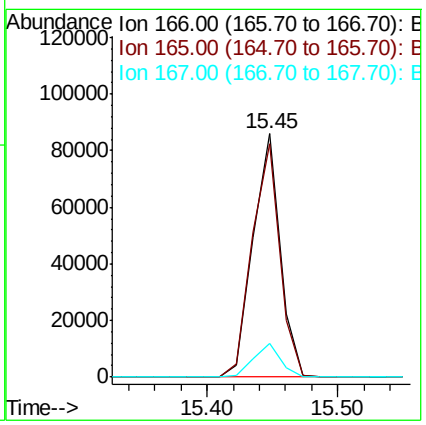


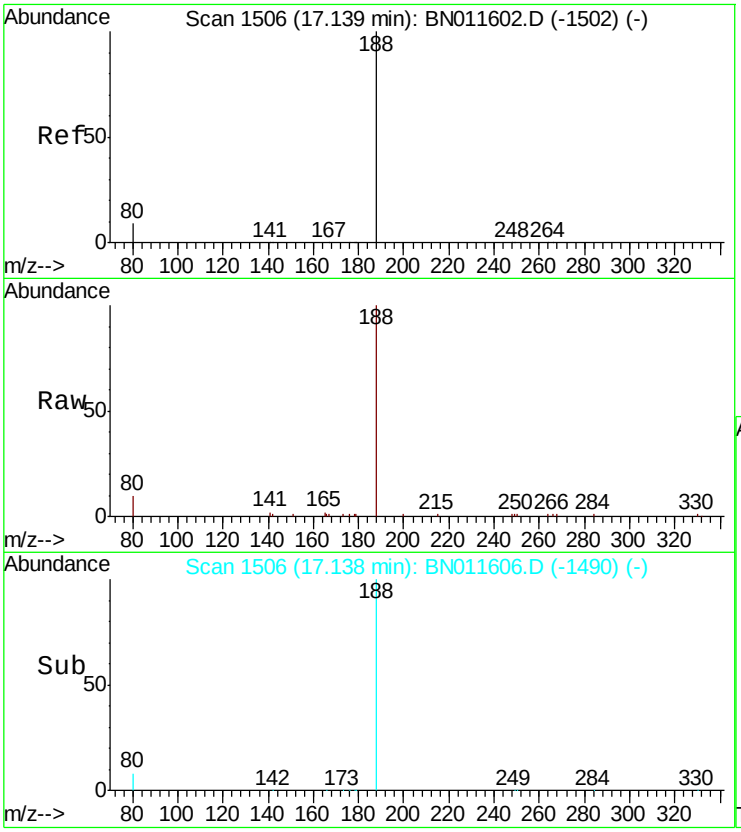


#18
Fluorene
Concen: 4.251 ng
RT: 15.45 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:166 Resp: 123618

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.4	116.2
167	13.5	11.5	17.3



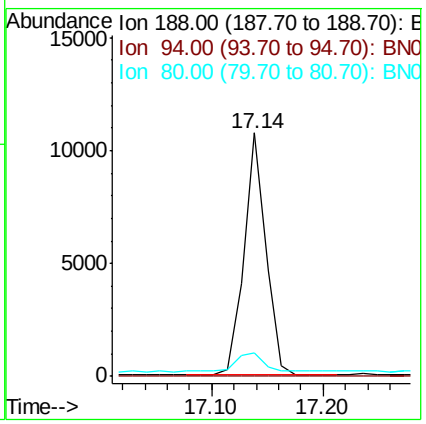


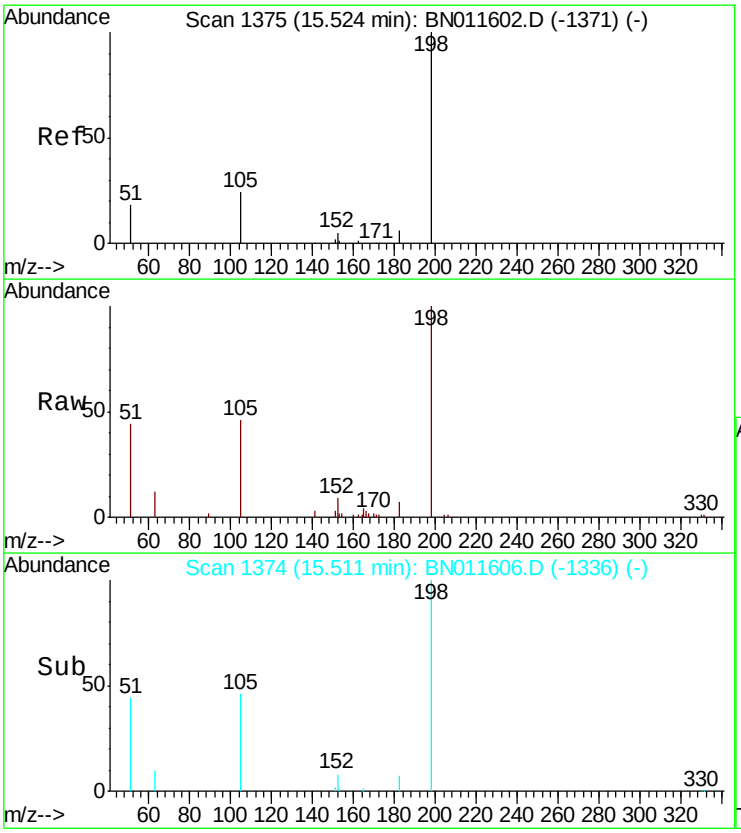
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.14 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 14637

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	9.2	13.8

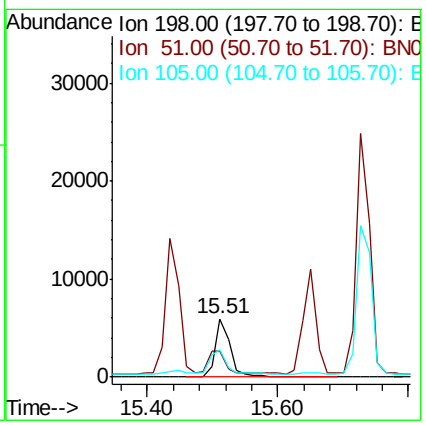


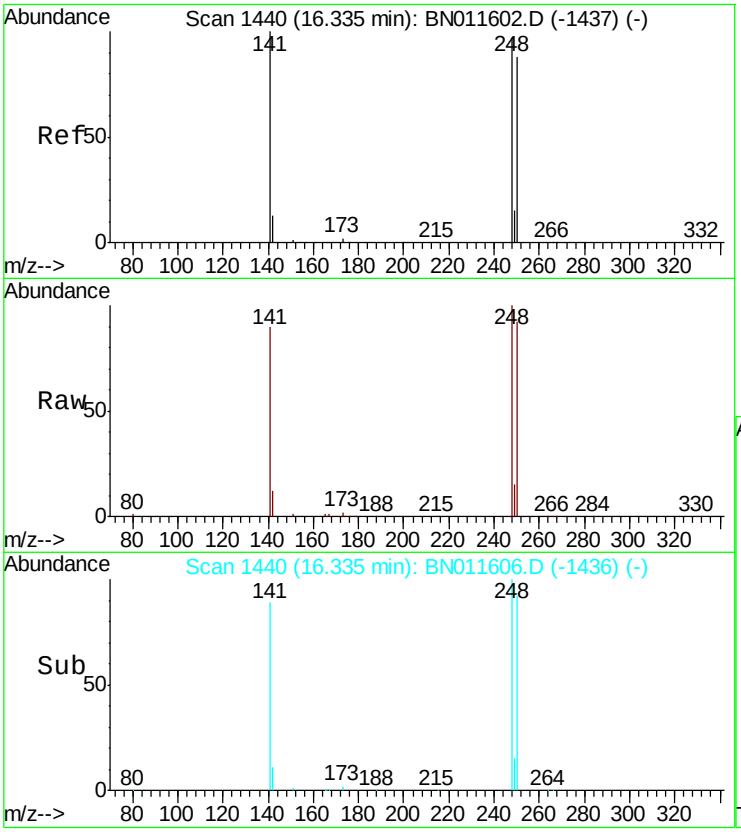


#20
4,6-Dinitro-2-methylphenol
Concen: 5.060 ng
RT: 15.51 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:198 Resp: 8948

Ion	Ratio	Lower	Upper
198	100		
51	43.9	99.6	149.4#
105	46.3	118.8	178.2#



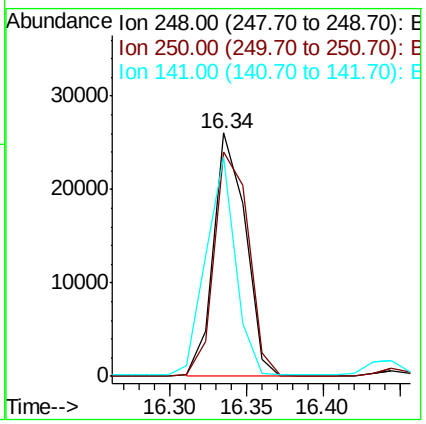


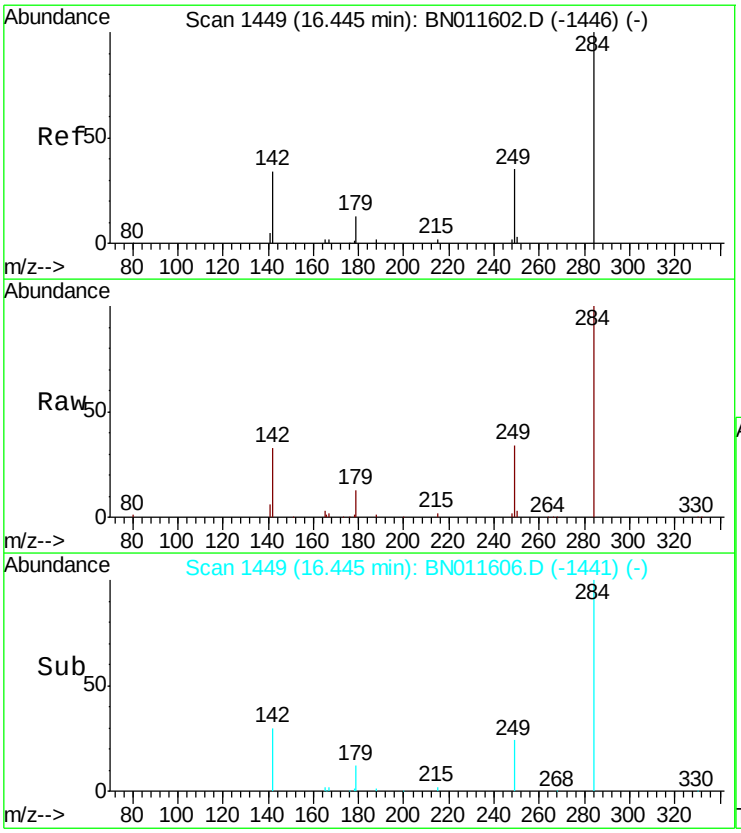
#21
4-Bromophenyl-phenylether
Concen: 11.671 ng
RT: 16.34 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 37320

Ion	Ratio	Lower	Upper
248	100		
250	91.9	73.4	110.2
141	89.8	88.5	132.7

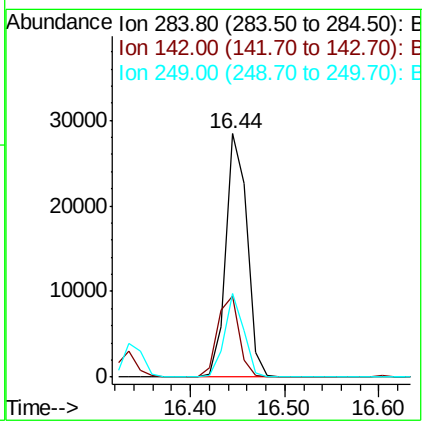


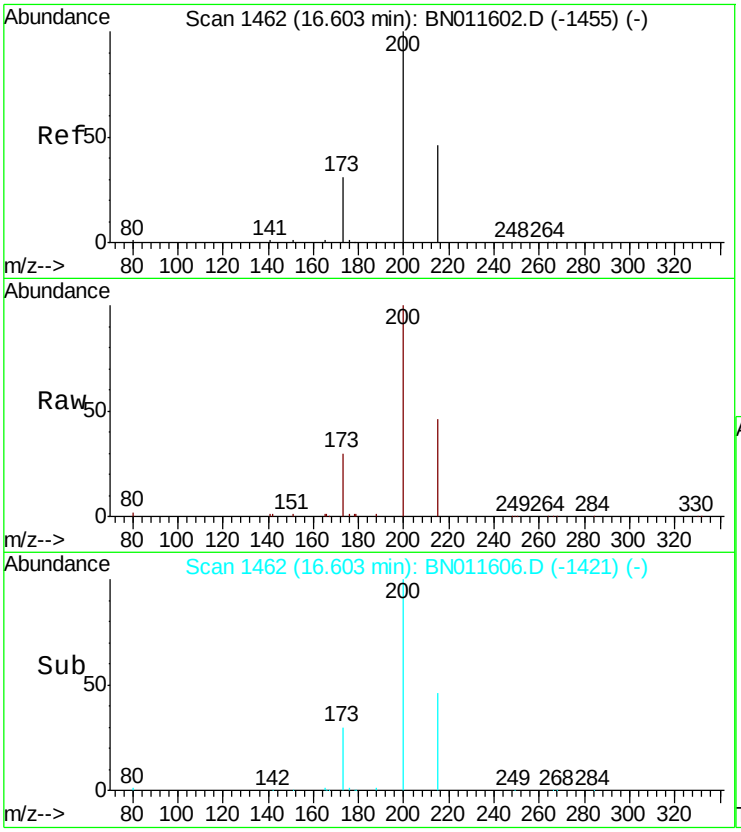


#22
Hexachlorobenzene
Concen: 3.872 ng
RT: 16.44 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:284 Resp: 43704

Ion	Ratio	Lower	Upper
284	100		
142	33.4	27.3	40.9
249	31.0	25.2	37.8



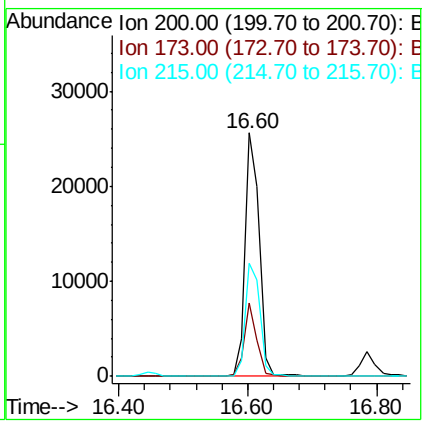


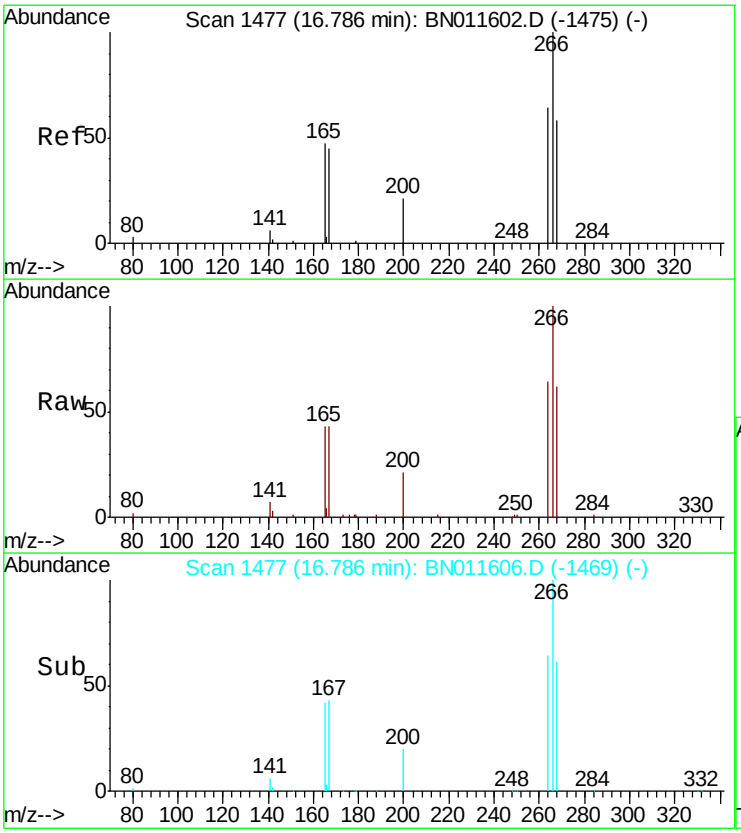
#23
Atrazine
Concen: 4.967 ng
RT: 16.60 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 37824

Ion	Ratio	Lower	Upper
200	100		
173	30.3	28.2	42.4
215	46.4	39.8	59.6

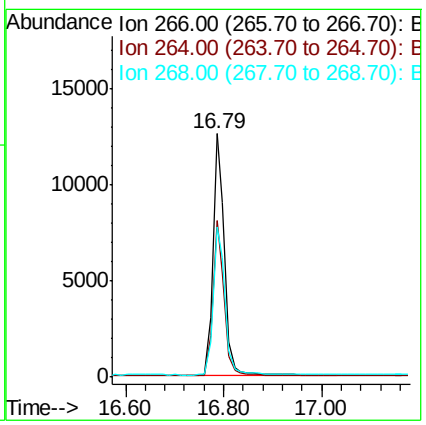


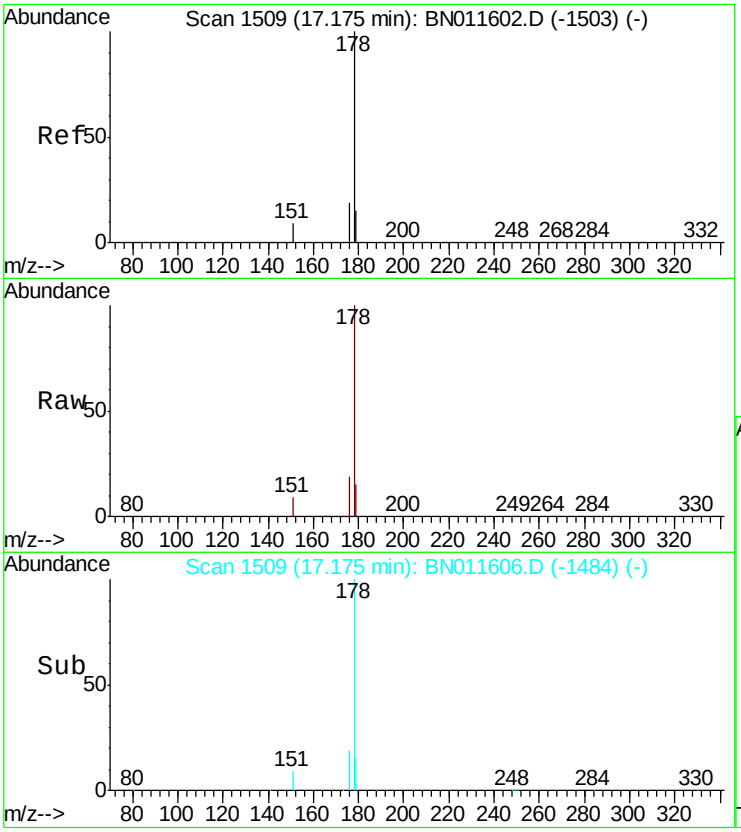


#24
Pentachlorophenol
Concen: 5.825 ng
RT: 16.79 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:266 Resp: 20487

Ion	Ratio	Lower	Upper
266	100		
264	63.0	48.1	72.1
268	63.9	48.4	72.6



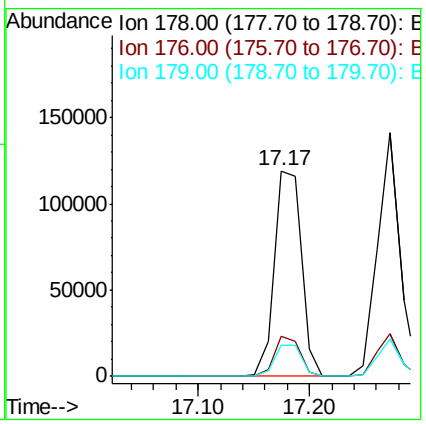


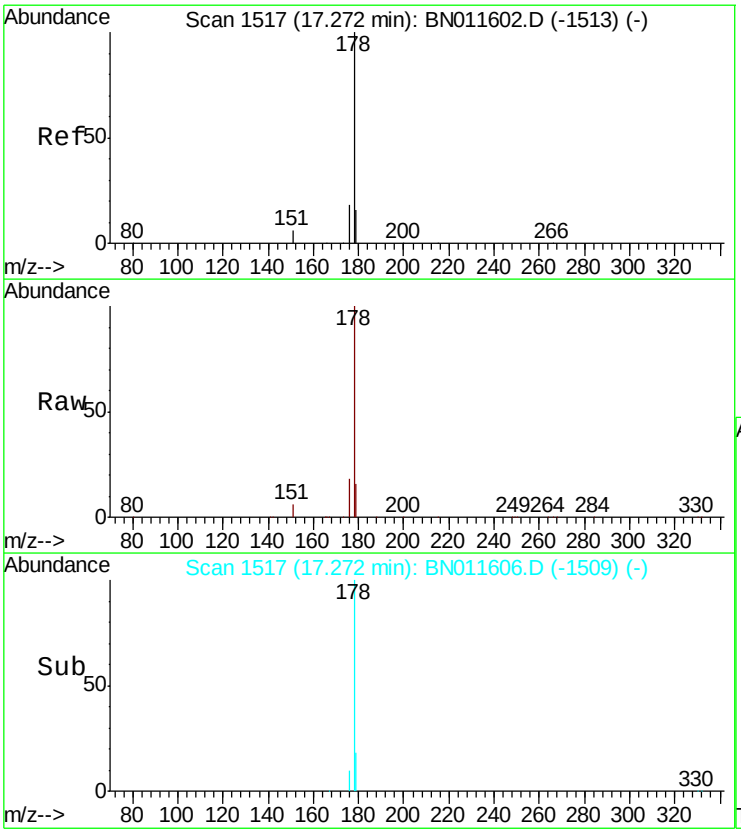
#25
Phenanthrene
Concen: 4.313 ng
RT: 17.17 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 198728

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.3	12.6	18.8

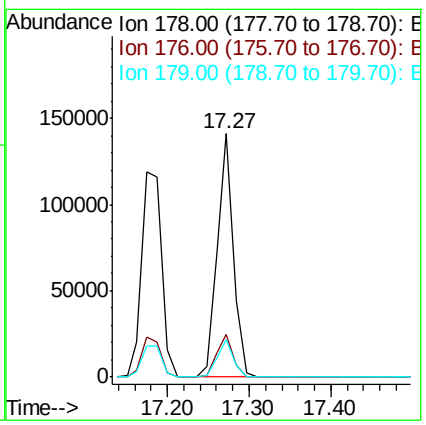


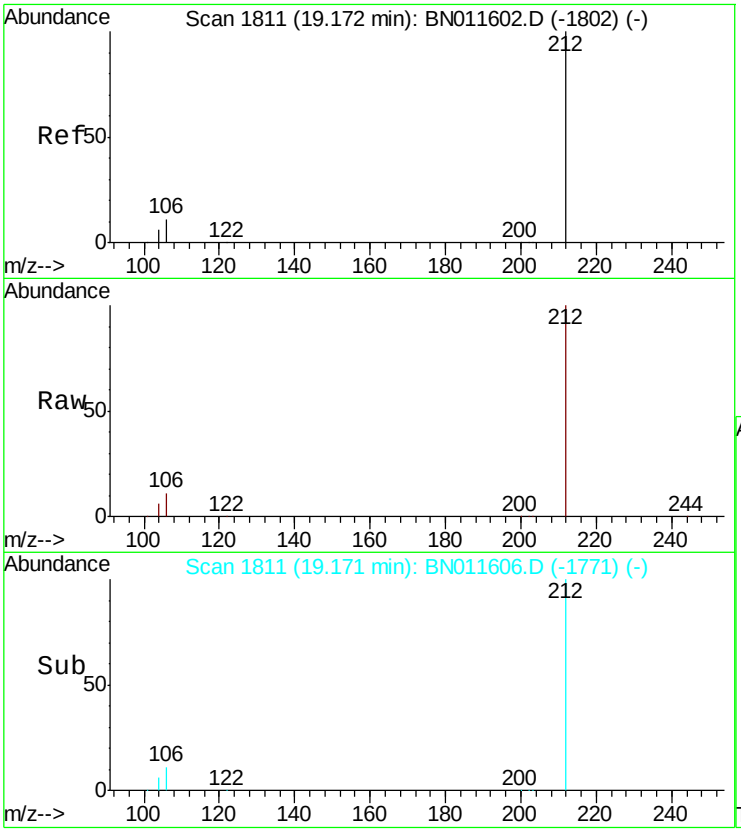


#26
Anthracene
Concen: 5.064 ng
RT: 17.27 min Scan# 1517
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:178 Resp: 194617

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.4	12.5	18.7



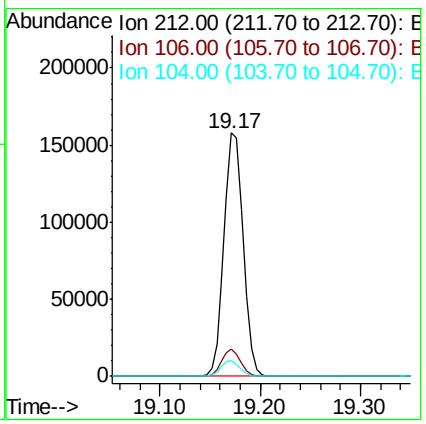


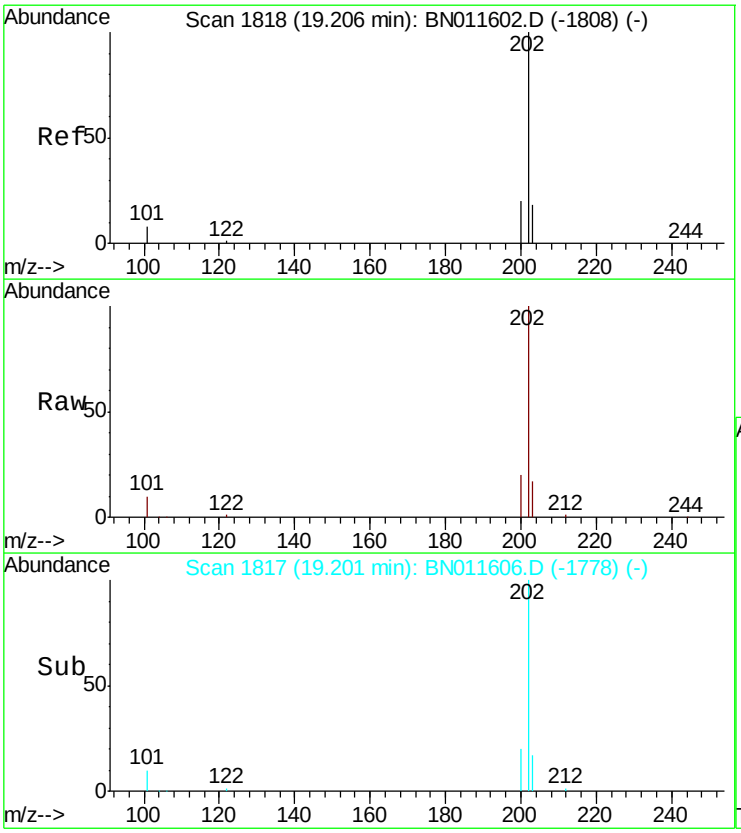
#27
Fluoranthene-d10
Concen: 4.217 ng
RT: 19.17 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 208010

Ion	Ratio	Lower	Upper
212	100		
106	10.8	8.9	13.3
104	6.1	5.3	7.9

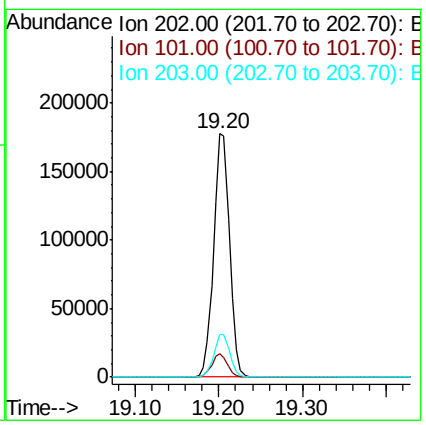


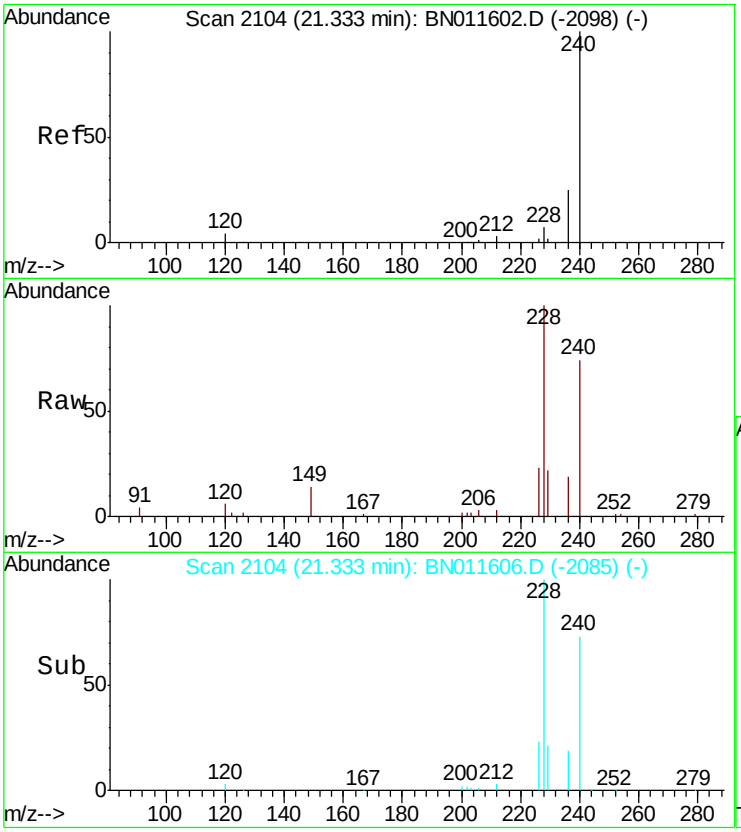


#28
Fluoranthene
Concen: 3.922 ng
RT: 19.20 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:202 Resp: 232456

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.7	11.5
203	17.5	13.9	20.9



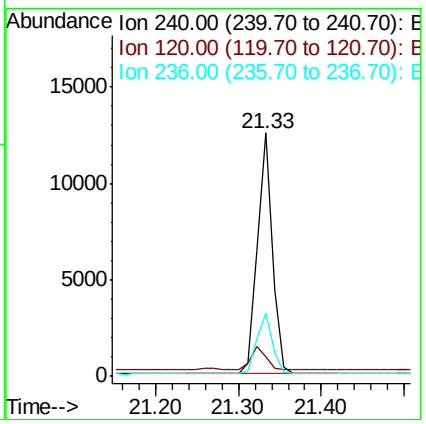


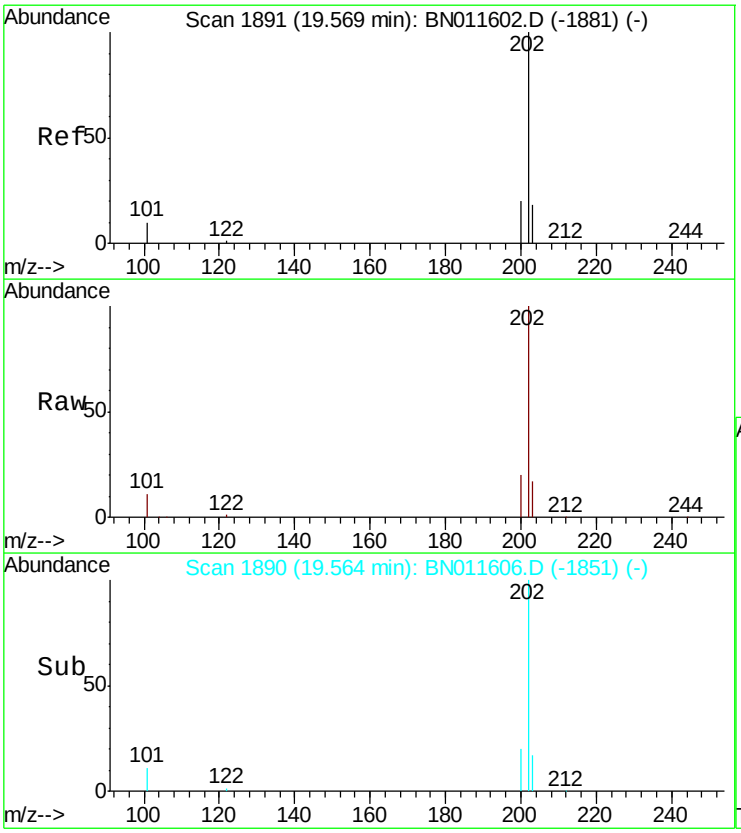
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.33 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 15584

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.0	9.0
236	26.1	20.8	31.2

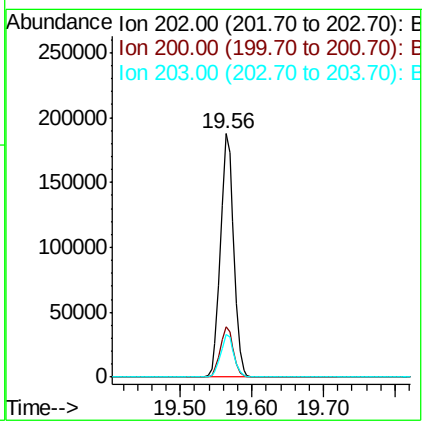


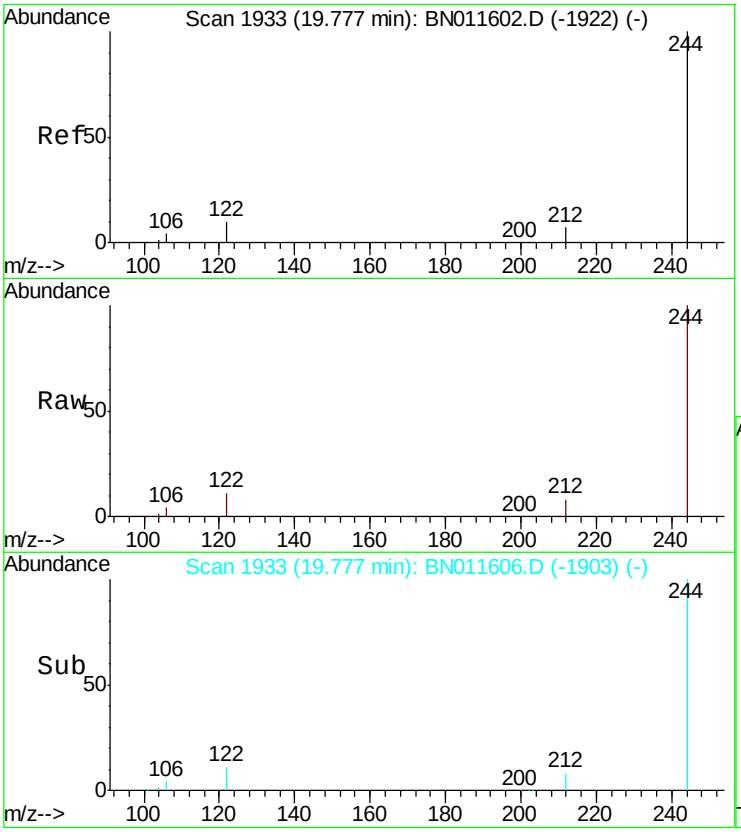


#30
Pyrene
Concen: 3.844 ng
RT: 19.56 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:202 Resp: 238280

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	17.5	14.2	21.4



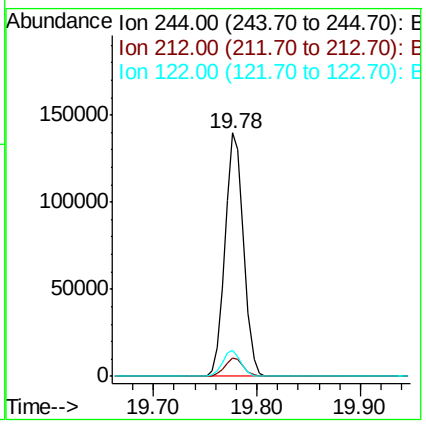


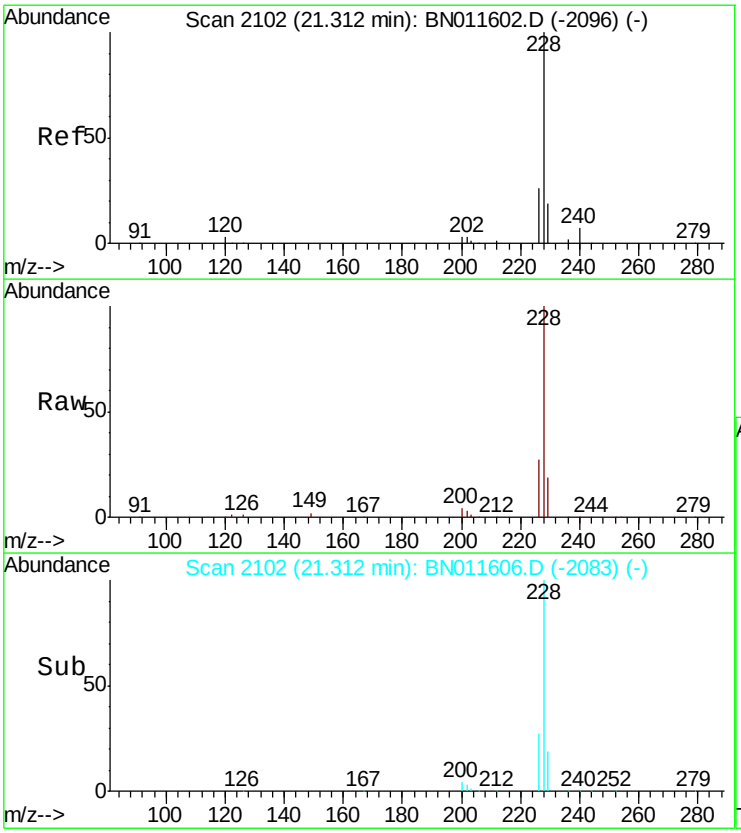
#31
Terphenyl-d14
Concen: 4.208 ng
RT: 19.78 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 171032

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	10.6	9.5	14.3

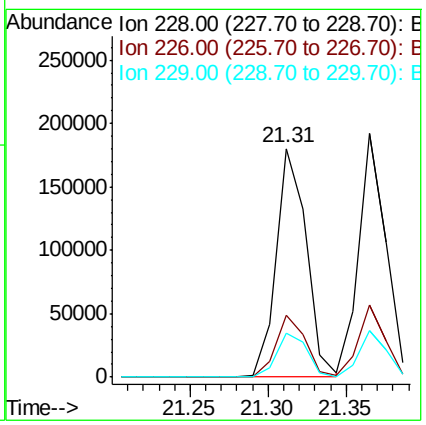


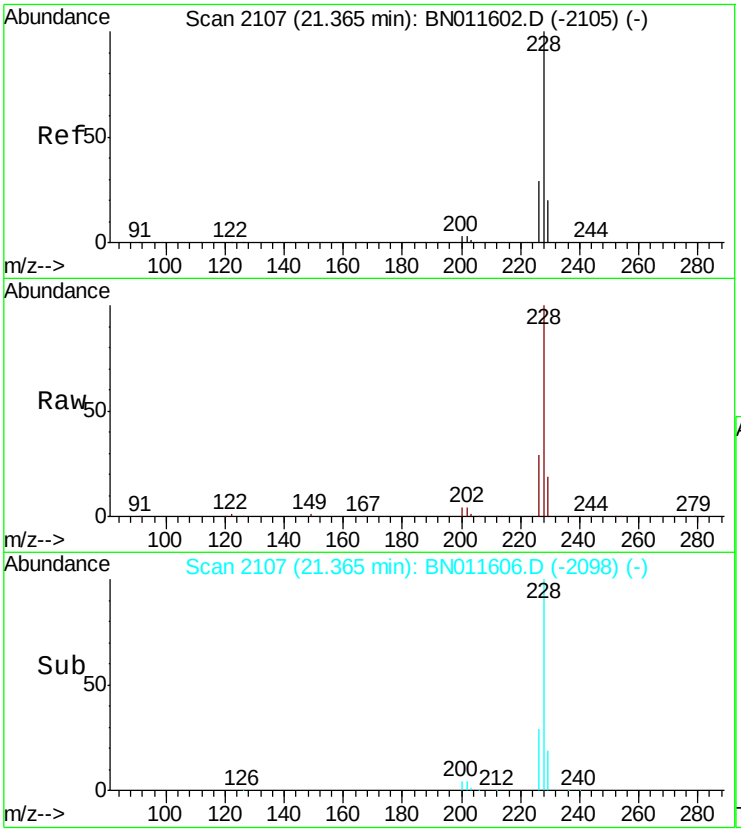


#32
Benzo(a)anthracene
Concen: 4.694 ng
RT: 21.31 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:228 Resp: 240285

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.2	31.8
229	19.2	15.8	23.8



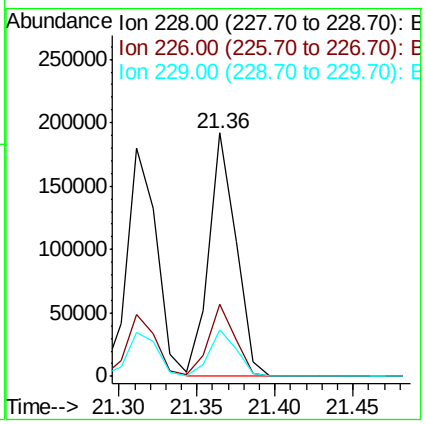


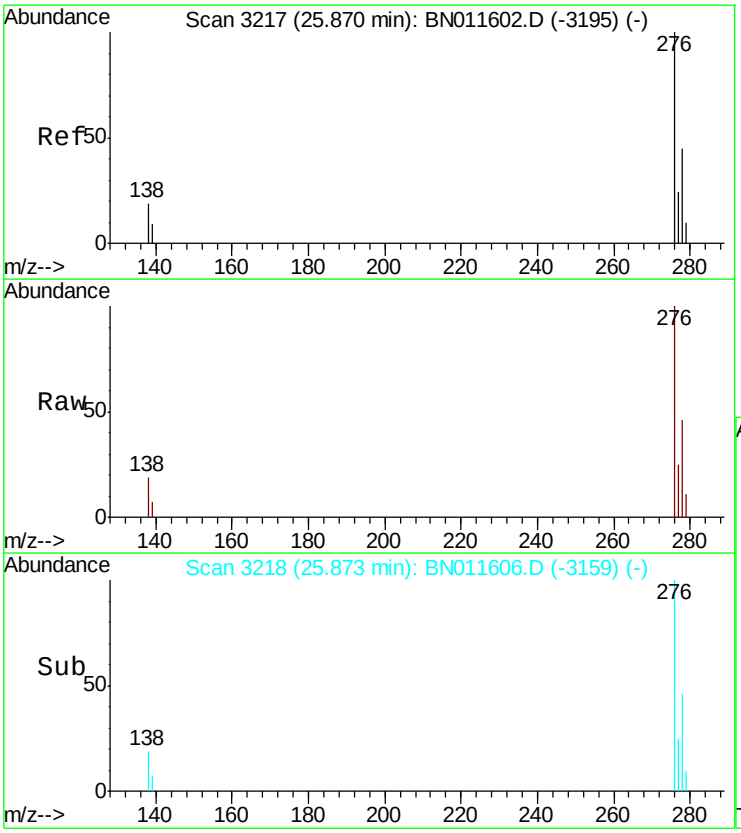
#33
Chrysene
Concen: 3.954 ng
RT: 21.36 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 230277

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.6	35.4
229	19.3	16.0	24.0

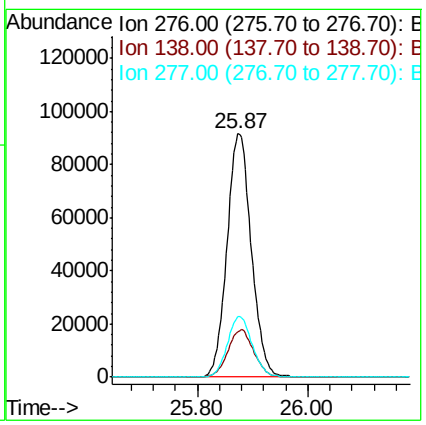


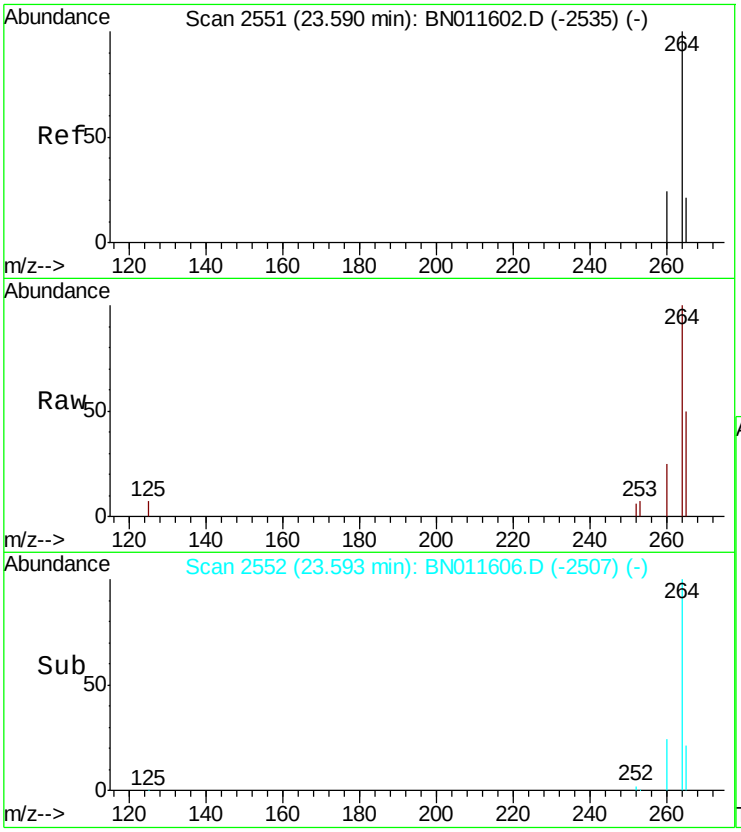


#35
Indeno(1,2,3-cd)pyrene
Concen: 5.299 ng
RT: 25.87 min Scan# 3218
Delta R.T. 0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:276 Resp: 280217

Ion	Ratio	Lower	Upper
276	100		
138	20.3	0.0	0.0#
277	25.2	0.0	0.0#



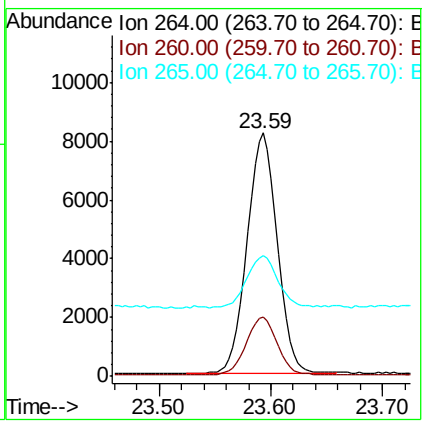


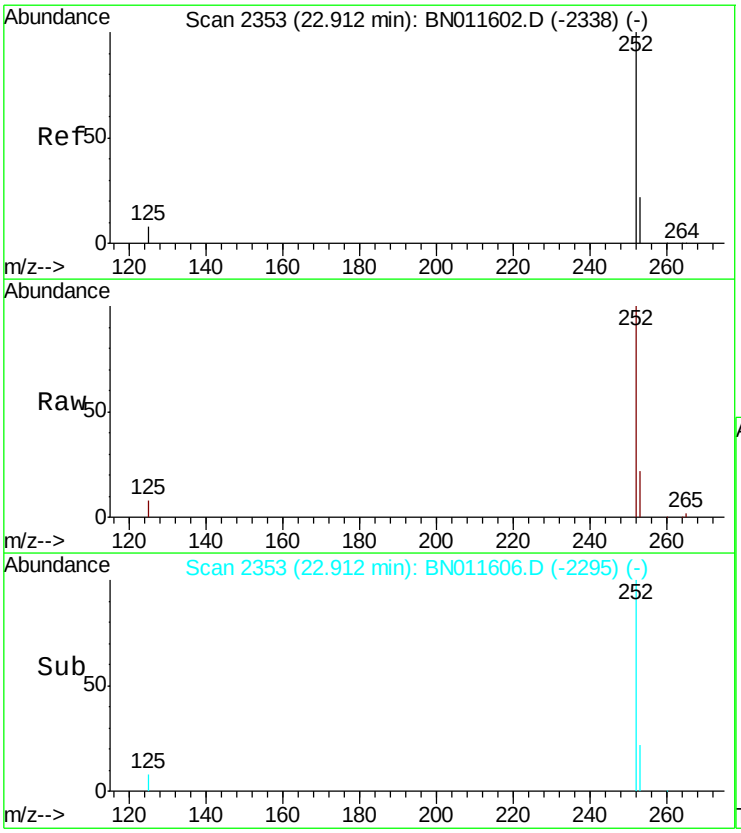
#36
Perylene-d12
Concen: 0.400 ng
RT: 23.59 min Scan# 2552
Delta R.T. 0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 15219

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	49.8	40.7	61.1

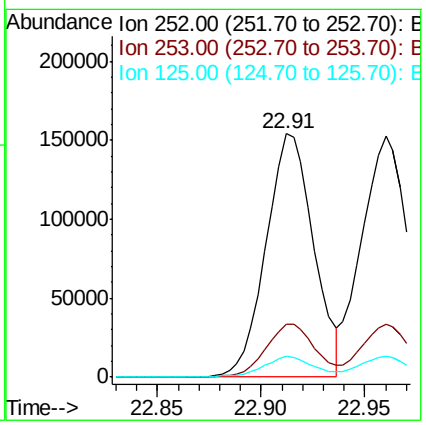


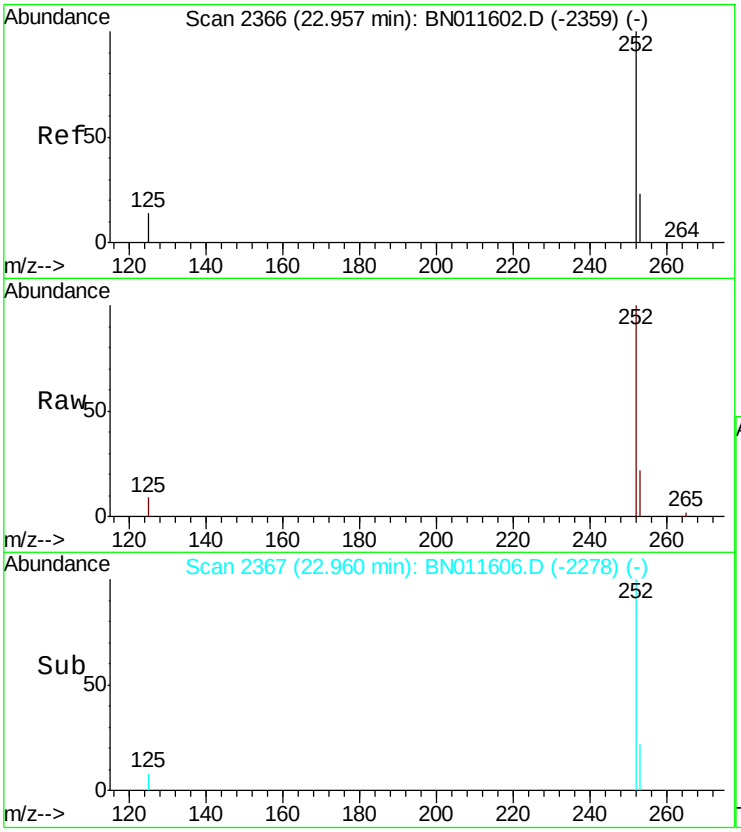


#37
Benzo(b)fluoranthene
Concen: 4.322 ng
RT: 22.91 min Scan# 2353
Delta R.T. -0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:252 Resp: 243188

Ion	Ratio	Lower	Upper
252	100		
253	21.8	21.0	31.6
125	8.5	11.0	16.6#



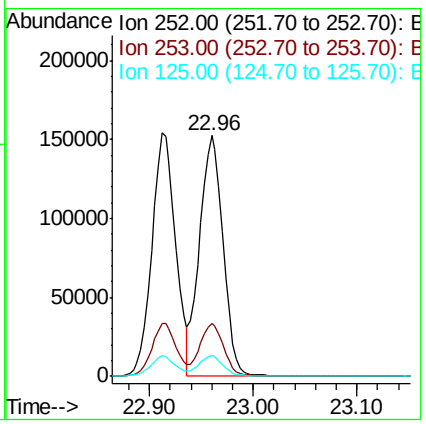


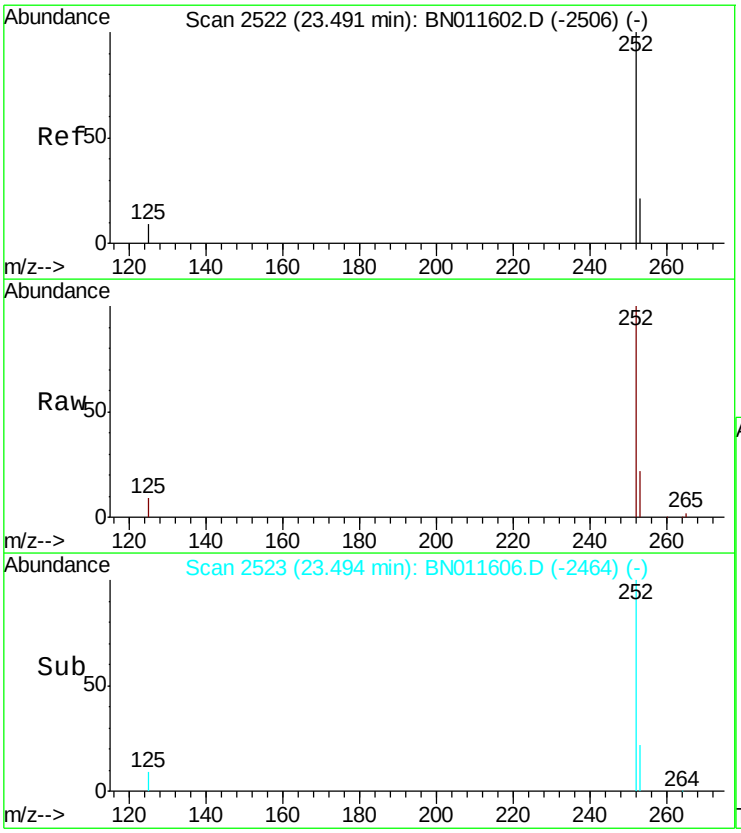
#38
Benzo(k)fluoranthene
Concen: 3.551 ng
RT: 22.96 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 238079

Ion	Ratio	Lower	Upper
252	100		
253	21.8	21.2	31.8
125	8.6	14.6	21.8#

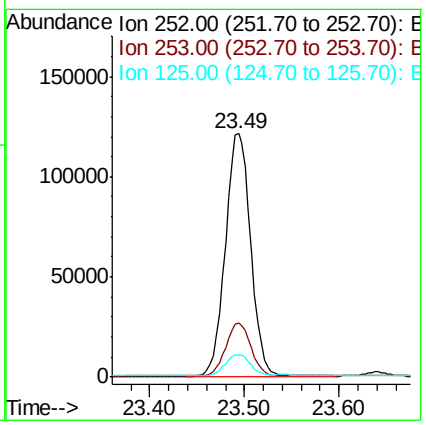


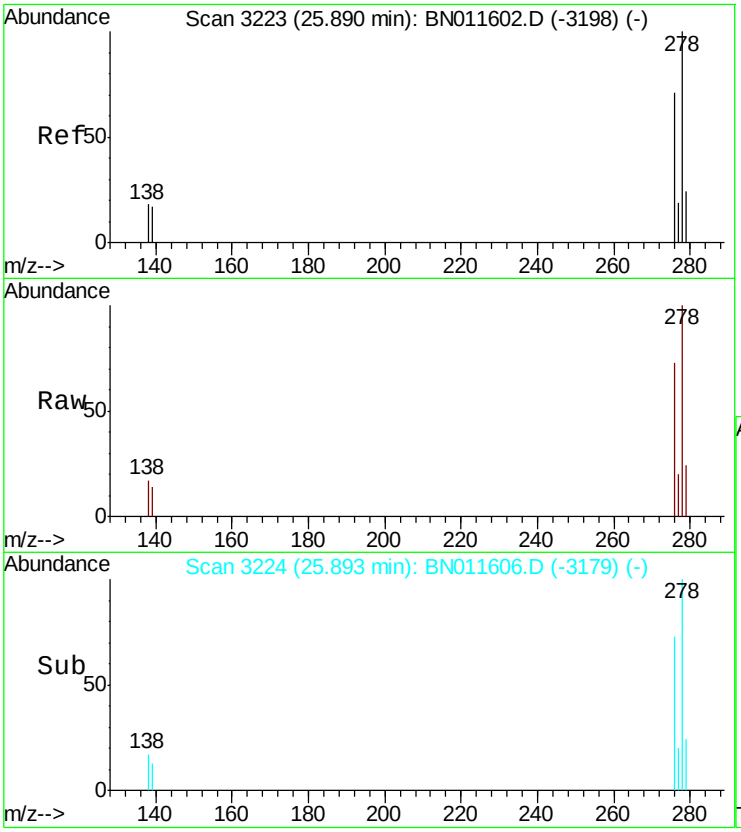


#39
Benzo(a)pyrene
Concen: 4.328 ng
RT: 23.49 min Scan# 2523
Delta R.T. 0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:252 Resp: 225320

Ion	Ratio	Lower	Upper
252	100		
253	22.1	21.2	31.8
125	9.3	12.1	18.1#



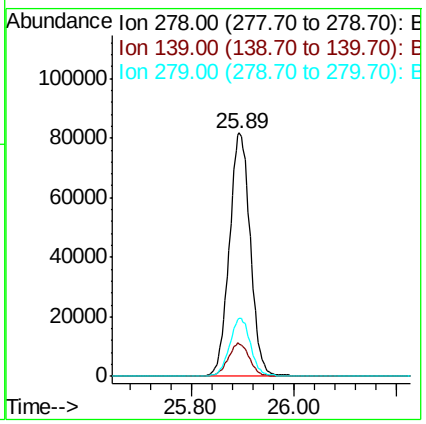


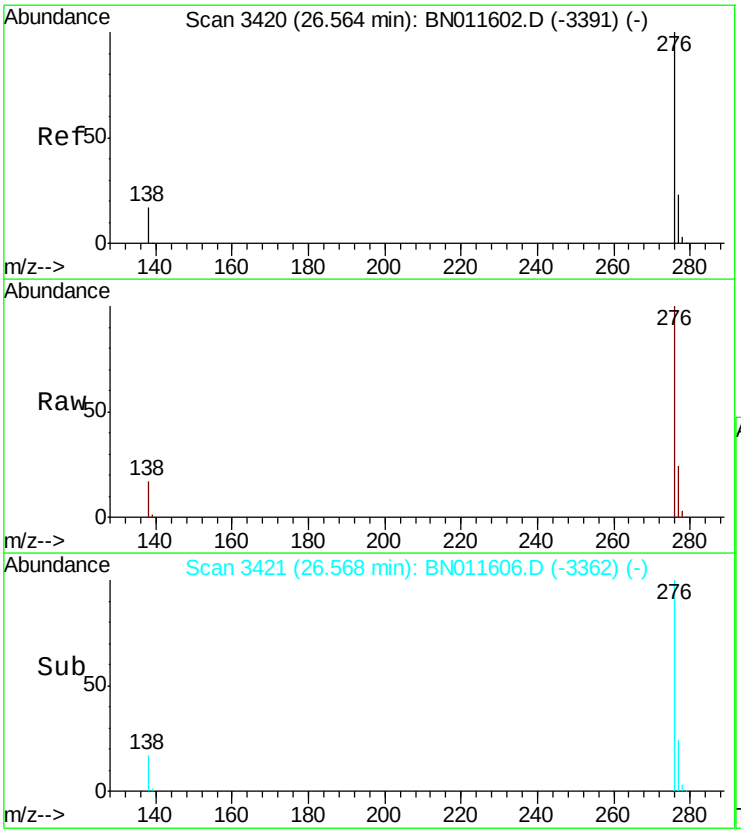
#40
Dibenzo(a,h)anthracene
Concen: 5.303 ng
RT: 25.89 min Scan# 3224
Delta R.T. 0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 230839

Ion	Ratio	Lower	Upper
278	100		
139	13.5	16.6	25.0#
279	23.9	21.4	32.2





#41
Benzo(g,h,i)perylene
Concen: 4.352 ng
RT: 26.57 min Scan# 3421
Delta R.T. 0.00 min
Lab File: BN011606.D
Acq: 24 Aug 2020 20:35

Tgt Ion:276 Resp: 225991

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.5	30.7
138	17.2	17.8	26.6#