Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
Data File : BN011566.D
Acq On : 21 Aug 2020 22:25
Operator : CG/JU
Sample : PB131149BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB131149BS

Quant Time: Aug 22 05:50:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 22 04:52:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1240	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	3855	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	2580	0.40	ng		0.00
19) Phenanthrene-d10	16.79	188	5699	0.40	ng		0.00
29) Chrysene-d12	21.01	240	4831	0.40	ng		0.00
36) Perylene-d12	23.11	264	4288	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.07	112	766	0.29	ng		0.00
5) Phenol-d6	6.63	99	886	0.33	ng		0.00
8) Nitrobenzene-d5	8.55	82	890	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	11.74	152	2475	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	433	0.34	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	3780	0.36	ng		0.00
27) Fluoranthene-d10	18.83	212	6228	0.32	ng		0.00
31) Terphenyl-d14	19.46	244	4665	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	675	0.398	ng	#	100
3) n-Nitrosodimethylamine	3.46	42	218	0.312	ng	#	1
6) bis(2-Chloroethyl)ether	6.87	93	757	0.290	ng		95
9) Naphthalene	10.19	128	4128	0.370	ng		100
10) Hexachlorobutadiene	10.48	225	1245	0.398	ng	#	99
12) 2-Methylnaphthalene	11.82	142	2784	0.362	ng		97
16) Acenaphthylene	13.75	152	4623	0.352	ng		99
17) Acenaphthene	14.09	154	3128	0.363	ng		100
18) Fluorene	15.09	166	4071	0.357	ng		99
20) 4,6-Dinitro-2-methylphenol	15.25	198	223	0.372	ng		95
21) 4-Bromophenyl-phenylether	16.02	248	581	0.467	ng		98
22) Hexachlorobenzene	16.10	284	1649	0.375	ng		97
23) Atrazine	16.30	200	724	0.244	ng		96
24) Pentachlorophenol	16.47	266	405	0.296	ng		98
25) Phenanthrene	16.83	178	6409	0.357	ng		100
26) Anthracene	16.93	178	5032	0.336	ng		99
28) Fluoranthene	18.86	202	7592	0.329	ng		99
30) Pyrene	19.23	202	7536	0.392	ng		99
32) Benzo(a)anthracene	21.00	228	5295	0.334	ng		99
33) Chrysene	21.05	228	6883	0.381	ng		99
34) Bis(2-ethylhexyl)phthalate	20.96	149	2686	0.373	ng		99
35) Indeno(1,2,3-cd)pyrene	25.15	276	6740	0.411	ng		97
37) Benzo(b)fluoranthene	22.50	252	5526	0.349	ng		97
38) Benzo(k)fluoranthene	22.54	252	7571	0.401	ng		99
39) Benzo(a)pyrene	23.02	252	5316	0.362	ng		96
40) Dibenzo(a,h)anthracene	25.16	278	5223	0.426	ng		97
41) Benzo(g,h,i)perylene	25.76	276	6154	0.421	ng		97

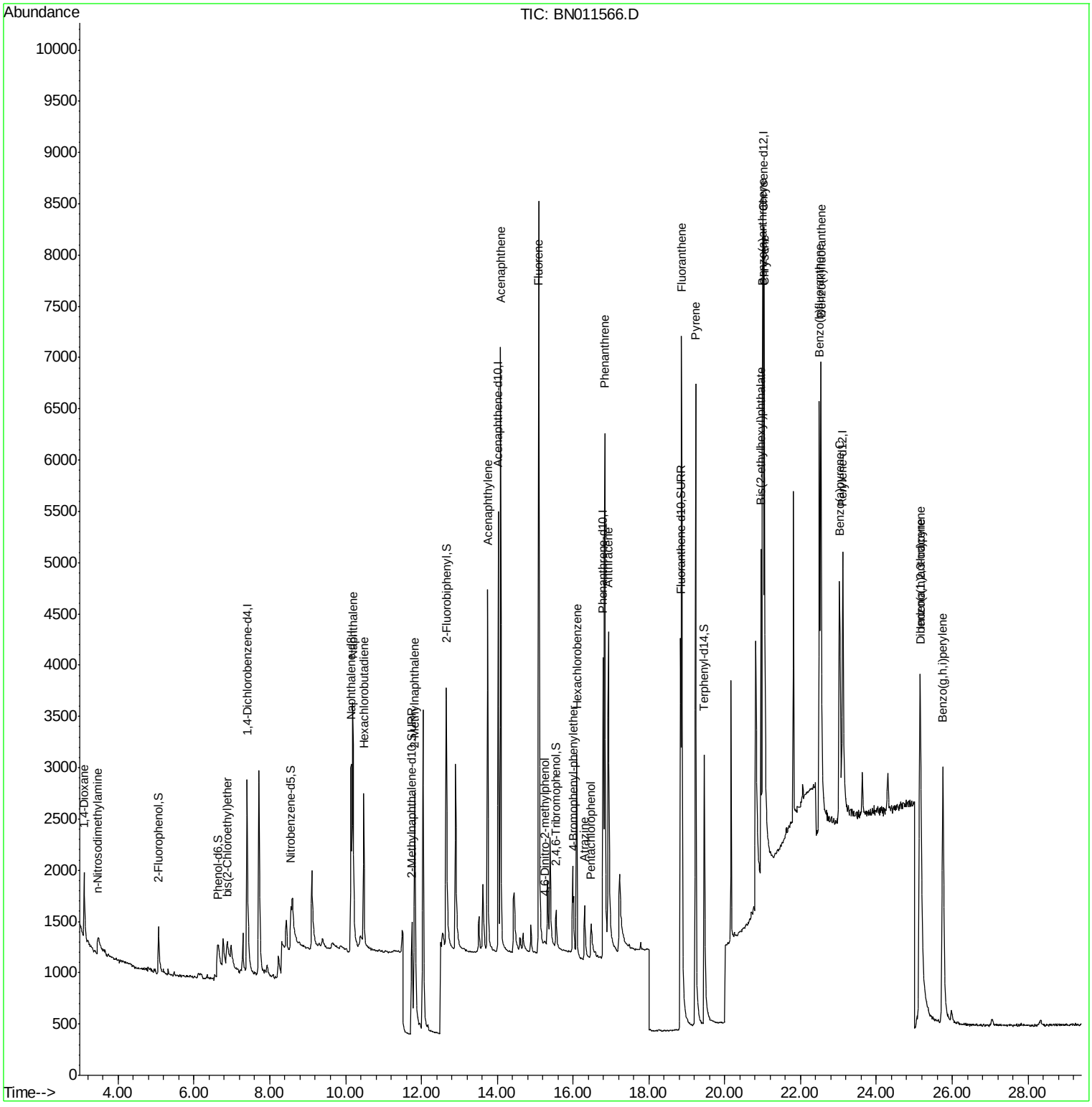
(#) = qualifier out of range (m) = manual integration (+) = signals summed

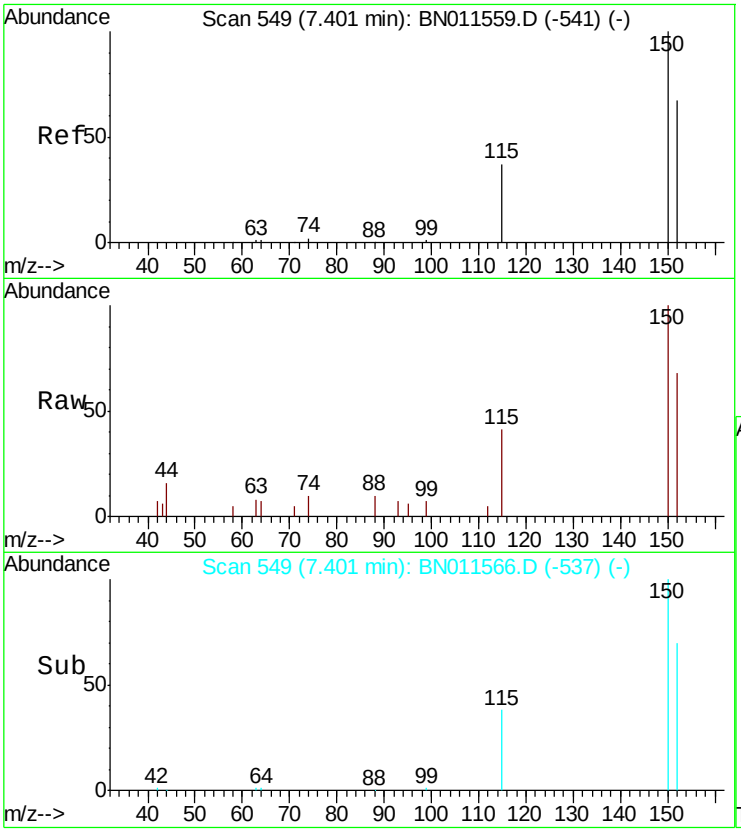
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
Data File : BN011566.D
Acq On : 21 Aug 2020 22:25
Operator : CG/JU
Sample : PB131149BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Quant Time: Aug 22 05:50:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 22 04:52:07 2020
Response via : Initial Calibration



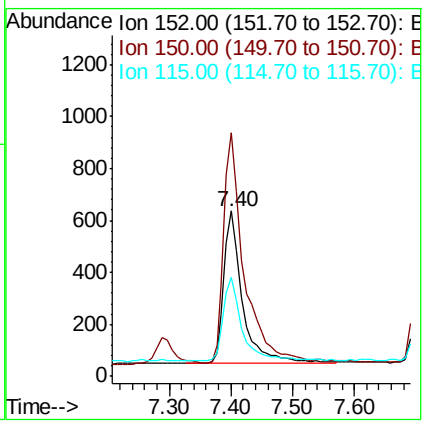


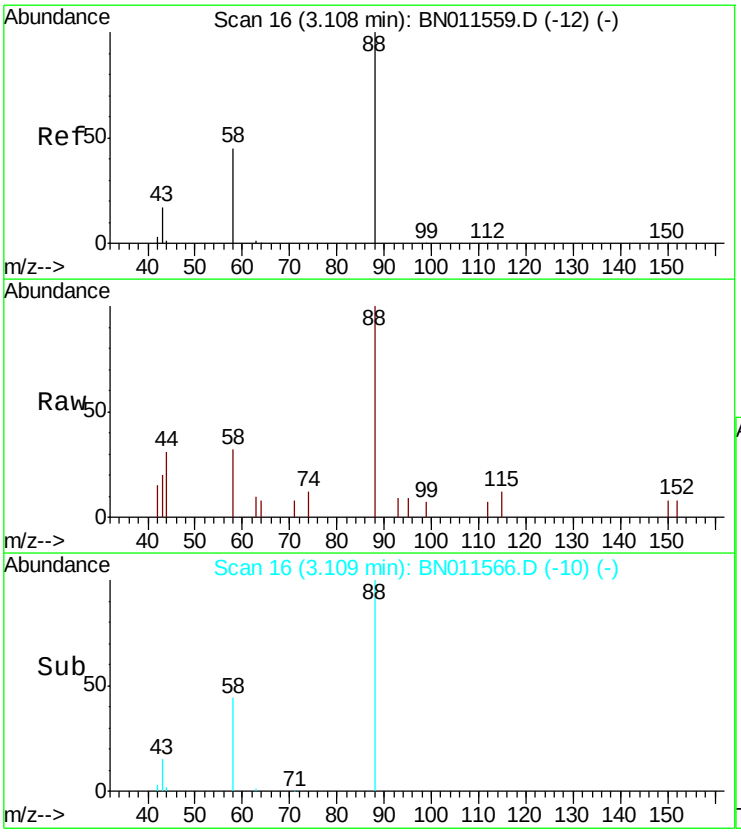
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 549
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:152 Resp: 1240

Ion	Ratio	Lower	Upper
152	100		
150	147.1	117.1	175.7
115	59.8	48.7	73.1

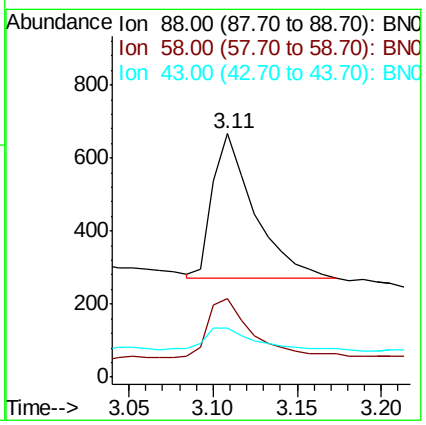


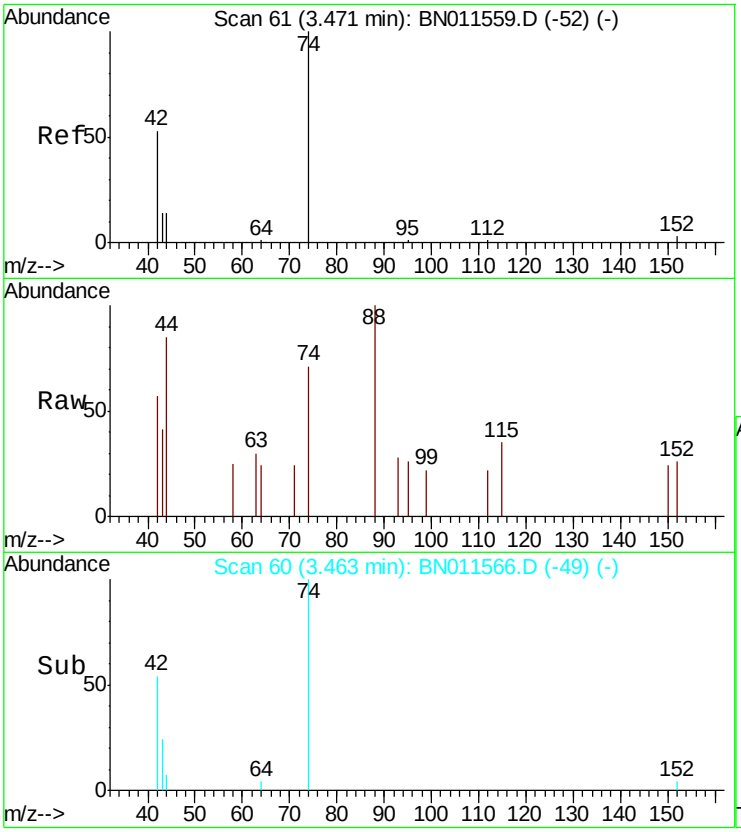


#2
1,4-Dioxane
Concen: 0.398 ng
RT: 3.11 min Scan# 16
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion: 88 Resp: 675

Ion	Ratio	Lower	Upper
88	100		
58	43.9	0.0	0.0#
43	15.3	0.0	0.0#



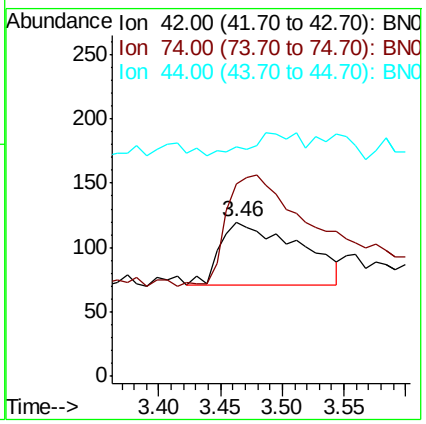


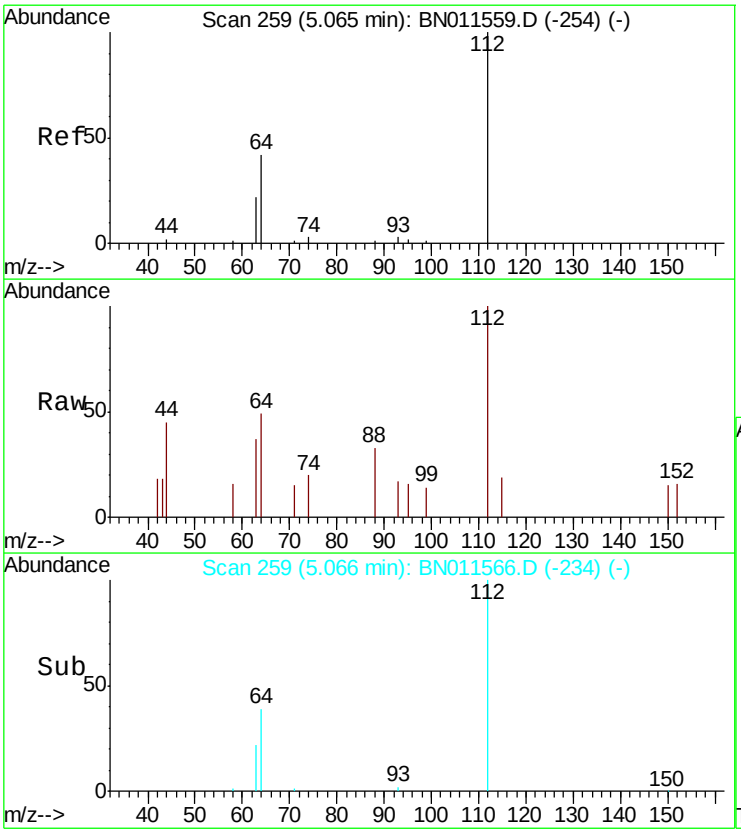
#3
n-Nitrosodimethylamine
Concen: 0.312 ng
RT: 3.46 min Scan# 60
Delta R.T. -0.01 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion: 42 Resp: 218

Ion	Ratio	Lower	Upper
42	100		
74	0.0	169.0	253.4#
44	0.0	21.6	32.4#

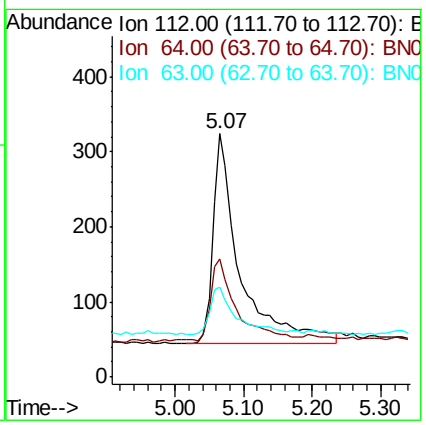


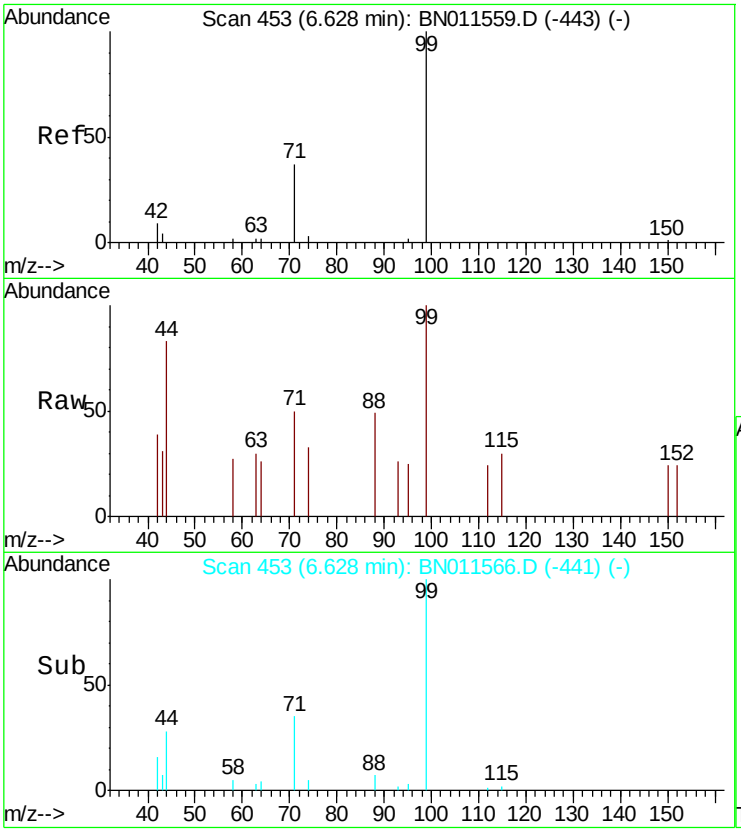


#4
2-Fluorophenol
Concen: 0.289 ng
RT: 5.07 min Scan# 259
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:112 Resp: 766

Ion	Ratio	Lower	Upper
112	100		
64	41.5	33.9	50.9
63	22.8	17.7	26.5



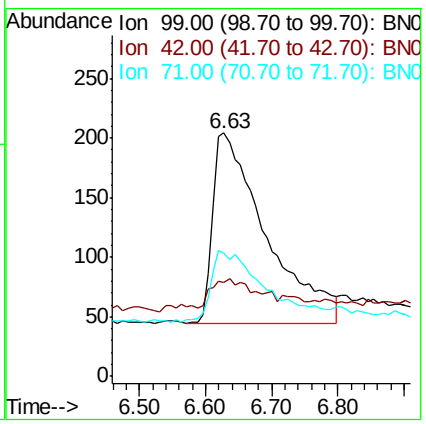


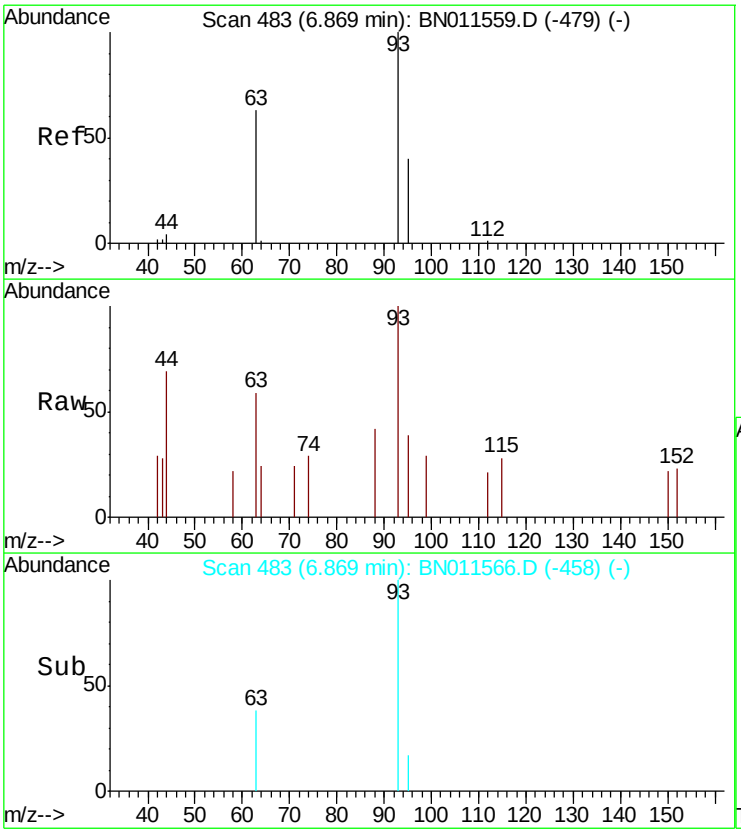
#5
Phenol-d6
Concen: 0.331 ng
RT: 6.63 min Scan# 453
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion: 99 Resp: 886

Ion	Ratio	Lower	Upper
99	100		
42	13.2	9.0	13.4
71	38.4	30.4	45.6

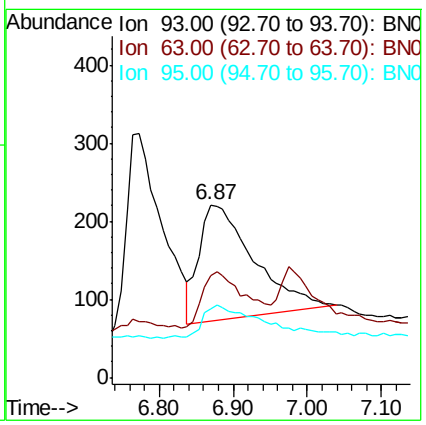


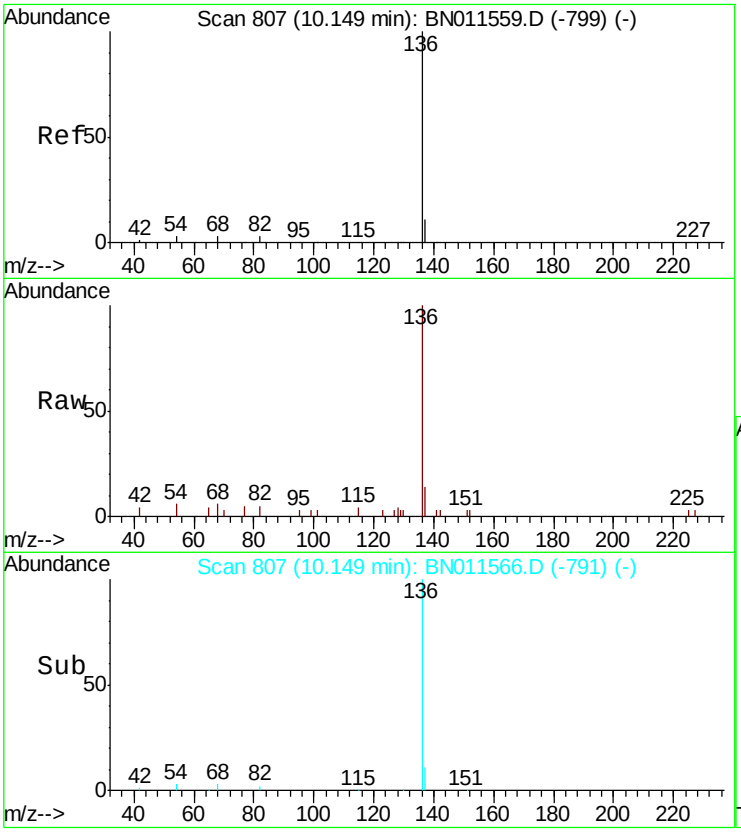


#6
bis(2-Chloroethyl)ether
Concen: 0.290 ng
RT: 6.87 min Scan# 483
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion: 93 Resp: 757

Ion	Ratio	Lower	Upper
93	100		
63	39.6	32.9	49.3
95	27.3	25.3	37.9



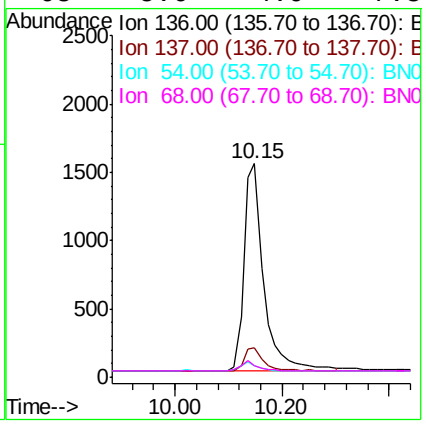


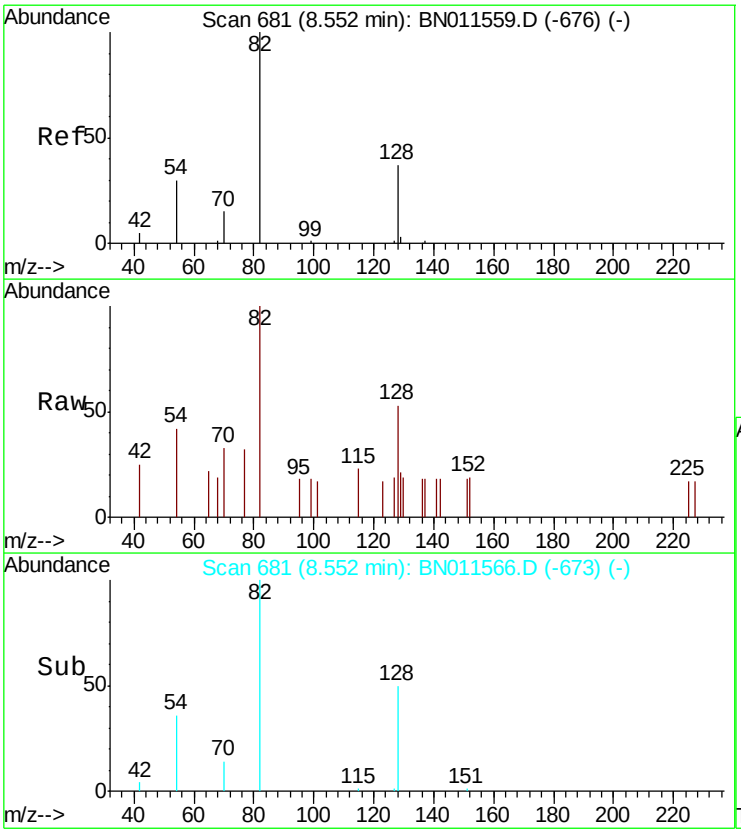
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 807
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:136 Resp: 3855

Ion	Ratio	Lower	Upper
136	100		
137	13.9	11.0	16.4
54	5.6	4.3	6.5
68	5.6	4.9	7.3

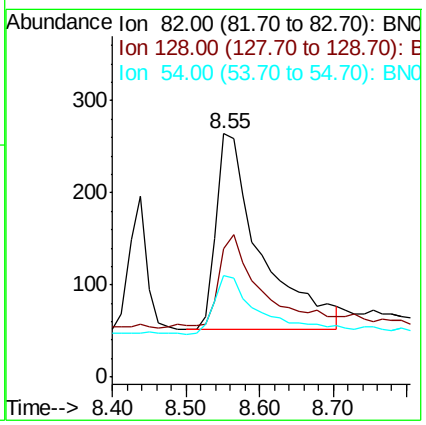


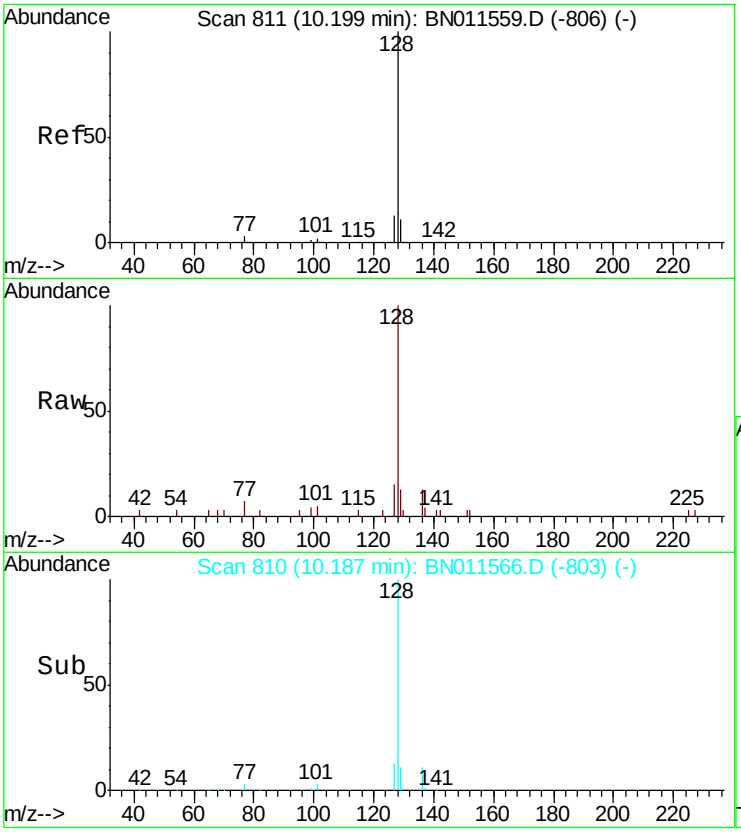


#8
Nitrobenzene-d5
Concen: 0.351 ng
RT: 8.55 min Scan# 681
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion: 82 Resp: 890

Ion	Ratio	Lower	Upper
82	100		
128	52.7	41.7	62.5
54	41.7	34.4	51.6



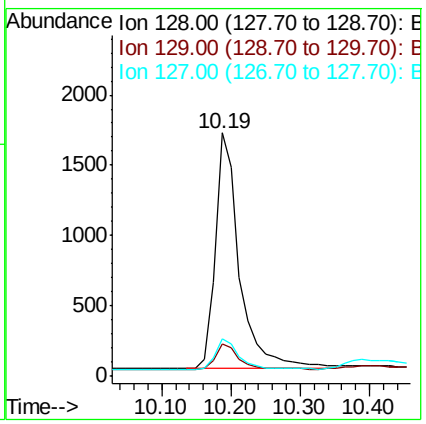


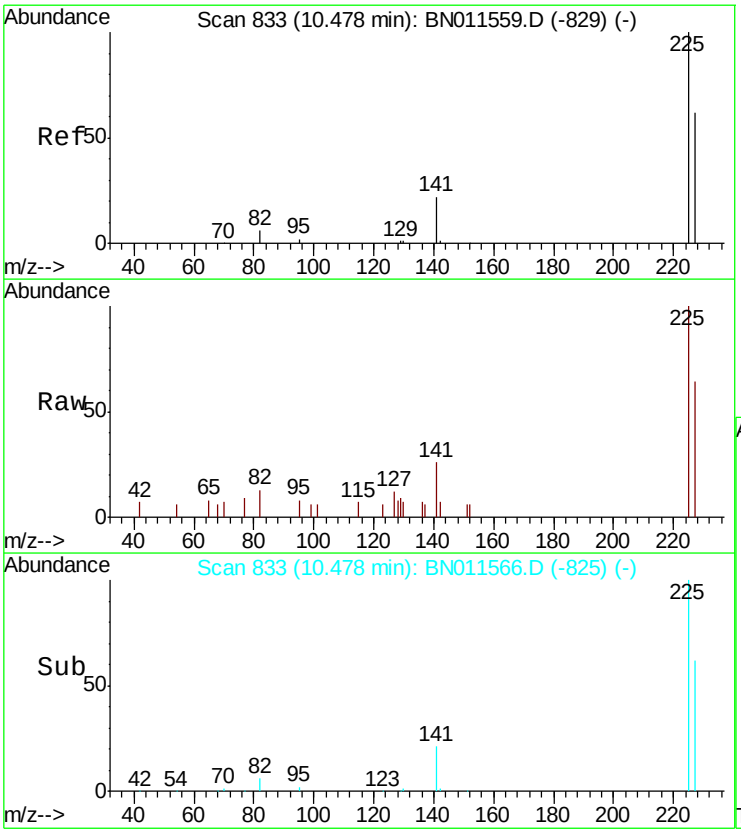
#9
Naphthalene
Concen: 0.370 ng
RT: 10.19 min Scan# 810
Delta R.T. -0.01 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:128 Resp: 4128

Ion	Ratio	Lower	Upper
128	100		
129	13.3	10.8	16.2
127	15.5	12.3	18.5

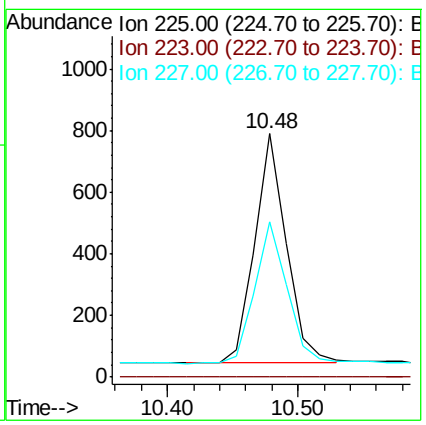


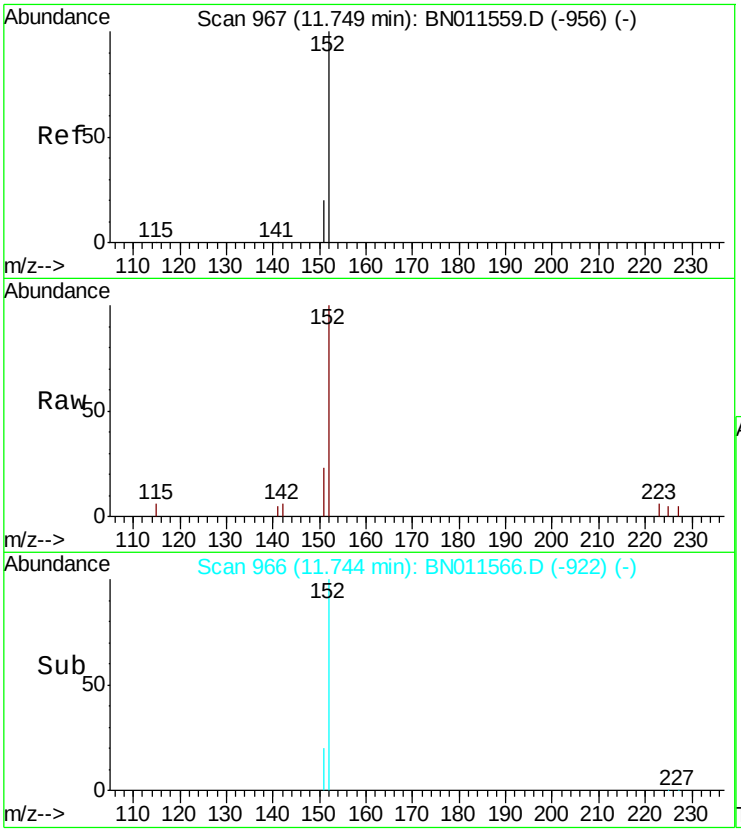


#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.48 min Scan# 833
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:225 Resp: 1245

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.3	76.9



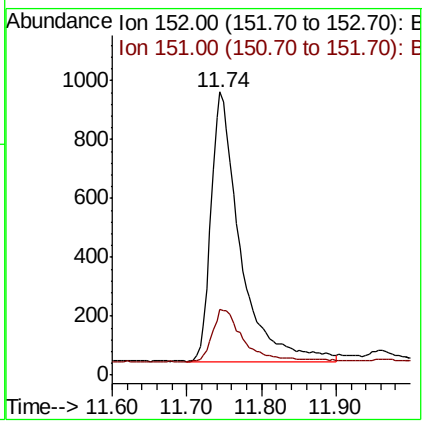


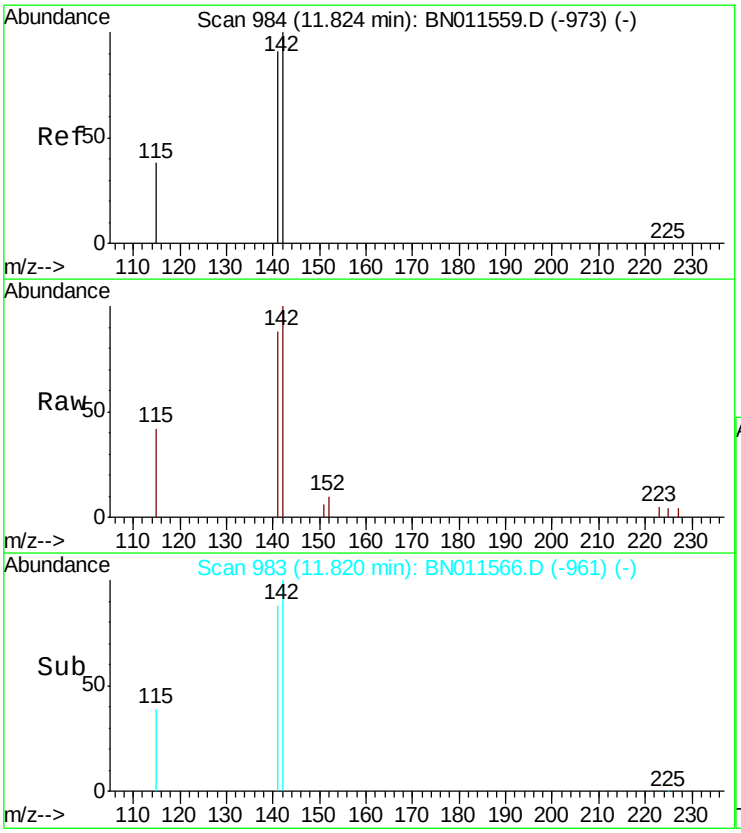
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 11.74 min Scan# 966
Delta R.T. -0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:152 Resp: 2475

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	24.8

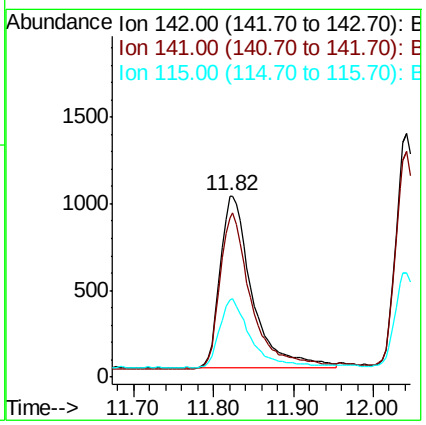


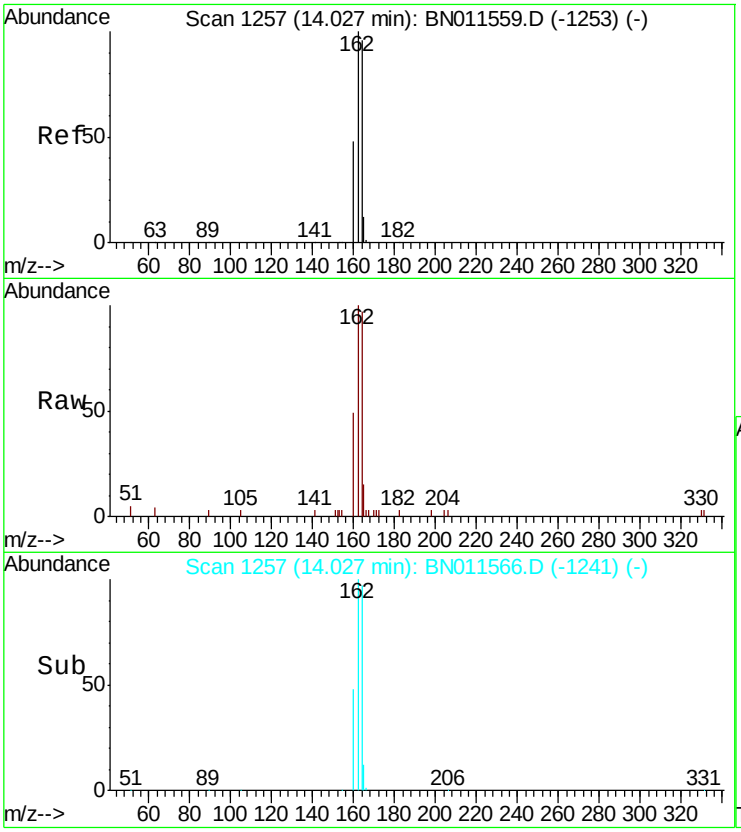


#12
2-Methylnaphthalene
Concen: 0.362 ng
RT: 11.82 min Scan# 983
Delta R.T. -0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:142 Resp: 2784

Ion	Ratio	Lower	Upper
142	100		
141	88.0	73.0	109.6
115	42.4	33.4	50.0



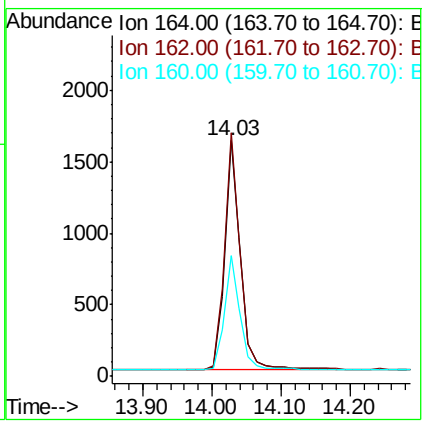


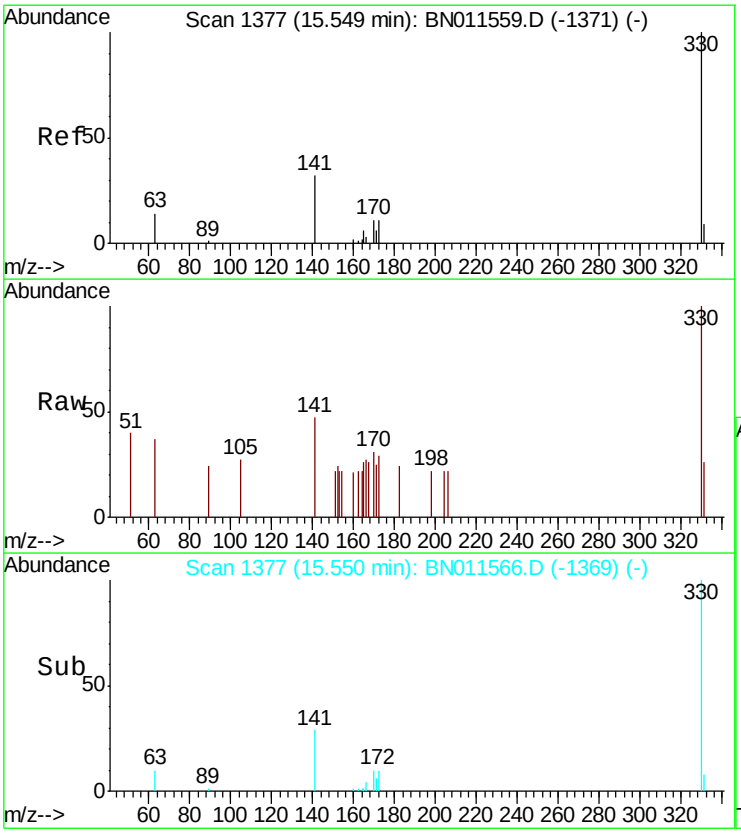
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:164 Resp: 2580

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.7	125.5
160	51.0	41.1	61.7

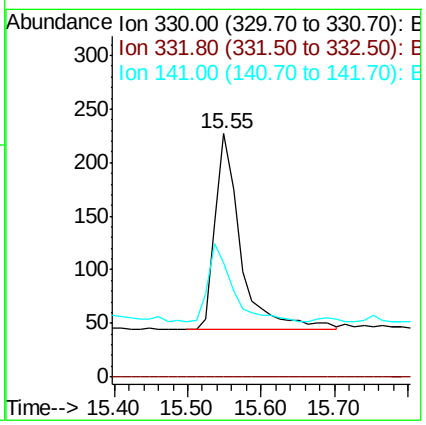


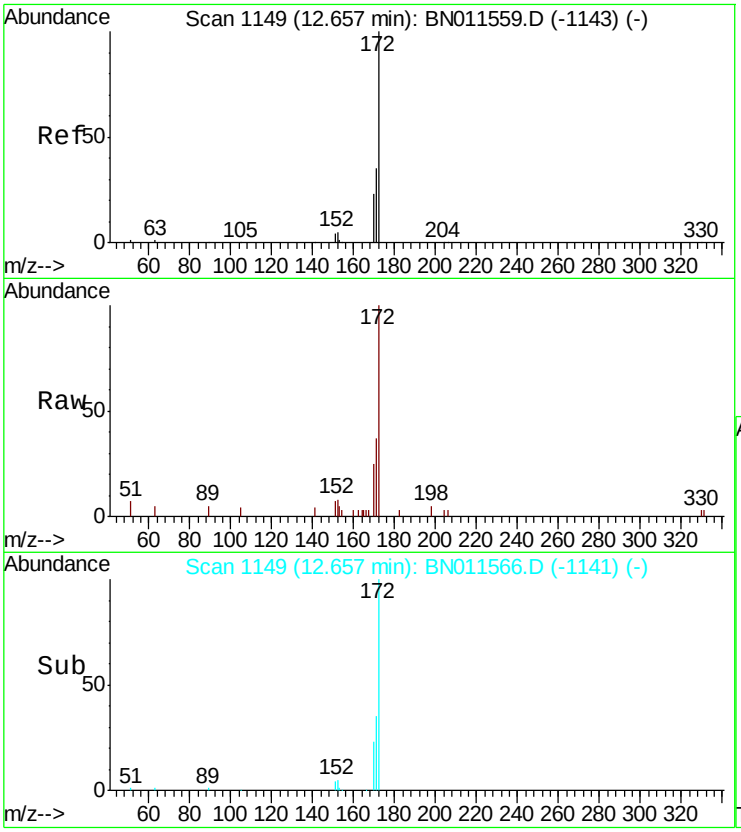


#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.55 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:330 Resp: 433

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.2	34.6	52.0



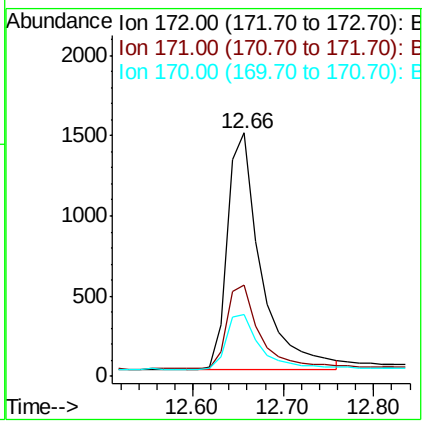


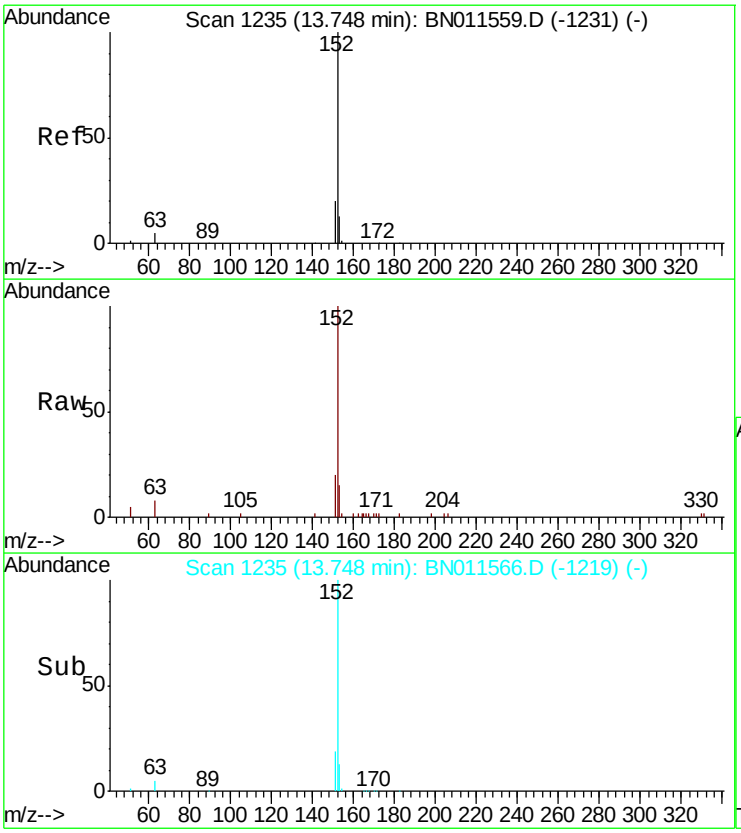
#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.66 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:172 Resp: 3780

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	25.4	20.1	30.1

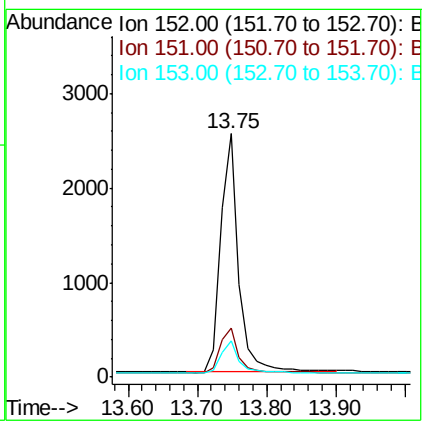


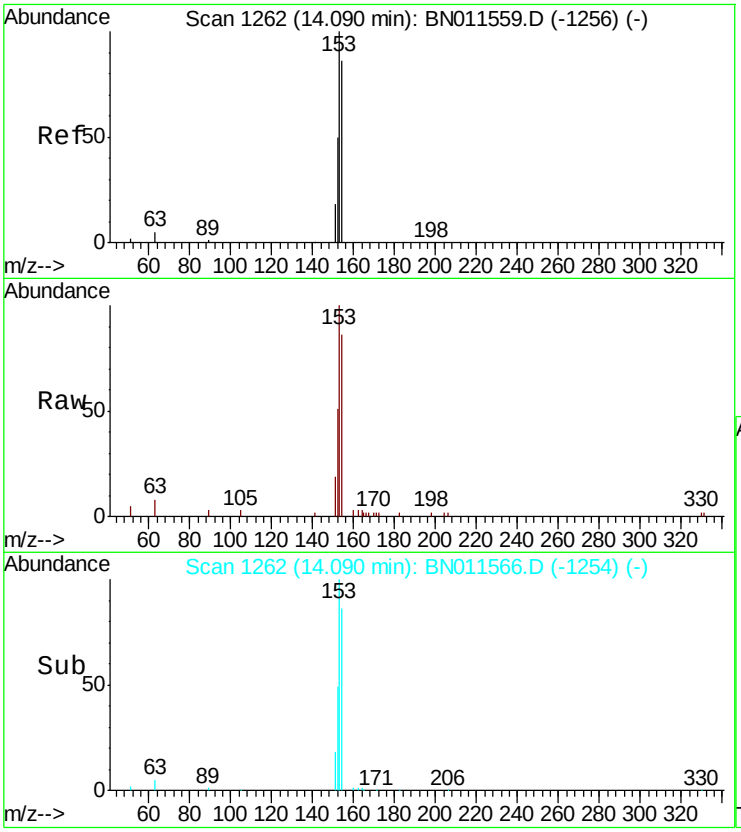


#16
Acenaphthylene
Concen: 0.352 ng
RT: 13.75 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:152 Resp: 4623

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	12.7	10.6	16.0



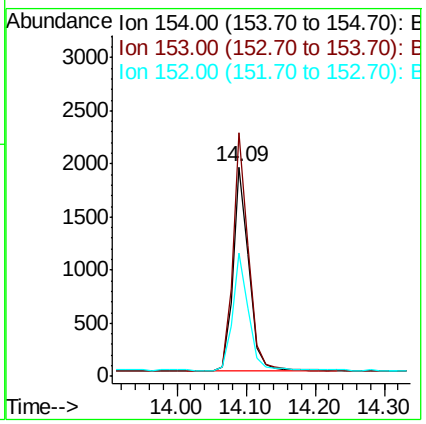


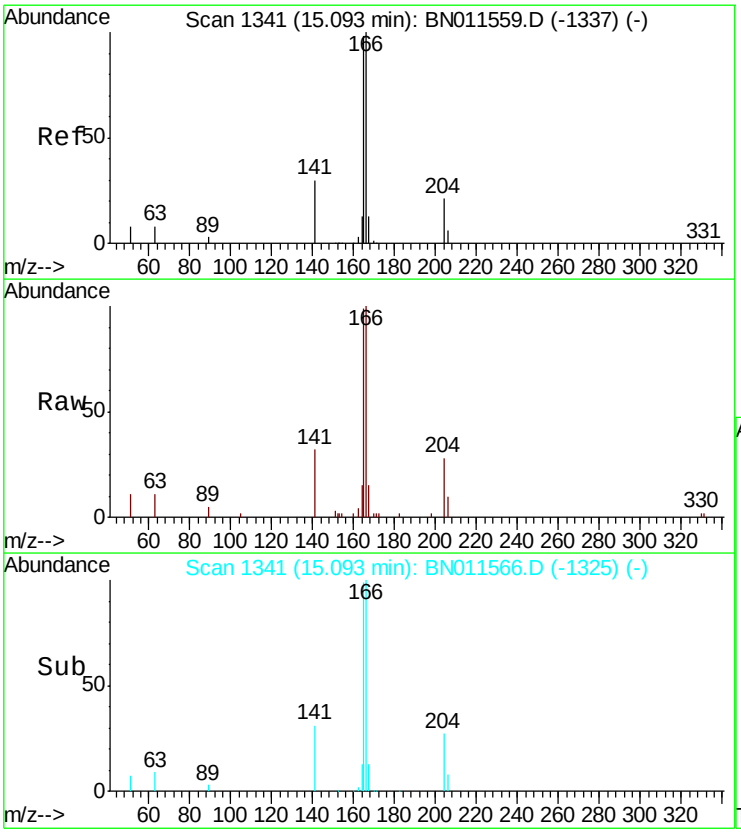
#17
Acenaphthene
Concen: 0.363 ng
RT: 14.09 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:154 Resp: 3128

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.8	137.8
152	57.5	46.3	69.5

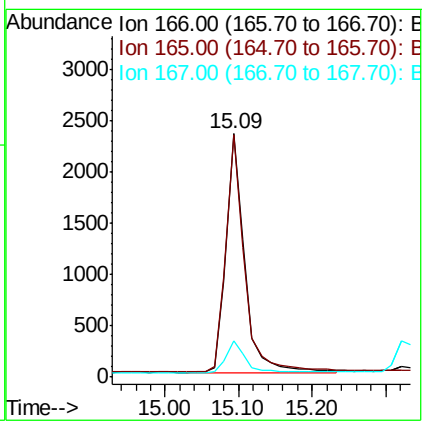


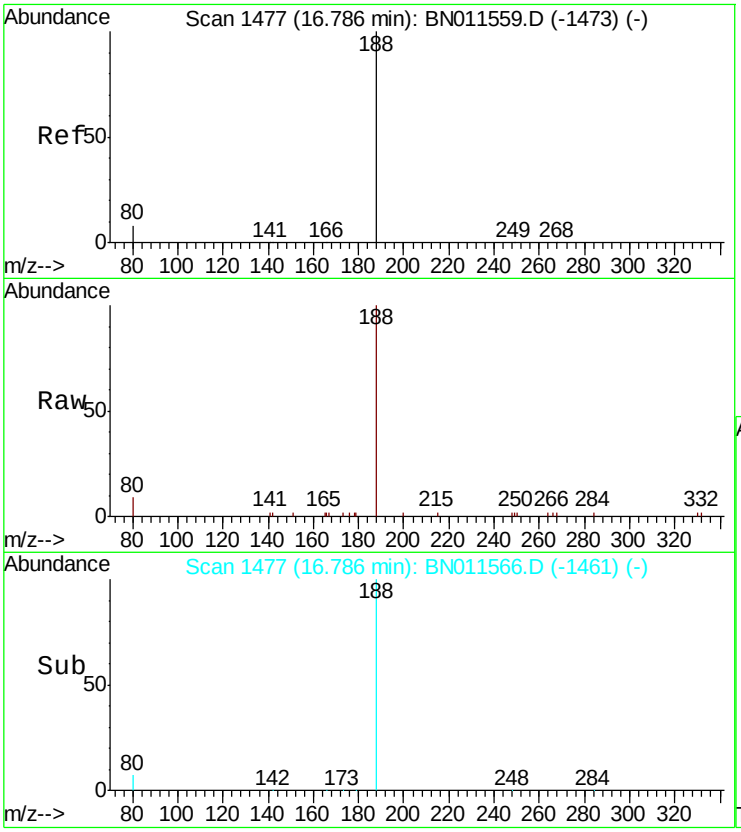


#18
Fluorene
Concen: 0.357 ng
RT: 15.09 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:166 Resp: 4071

Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.2	117.2
167	13.4	10.7	16.1



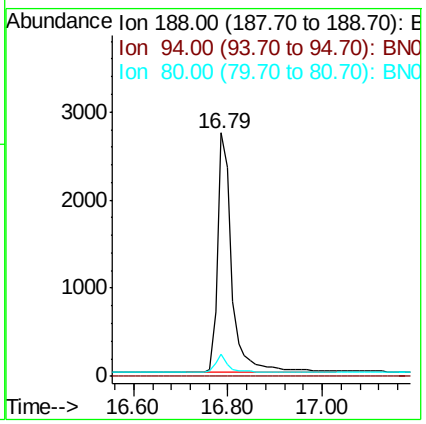


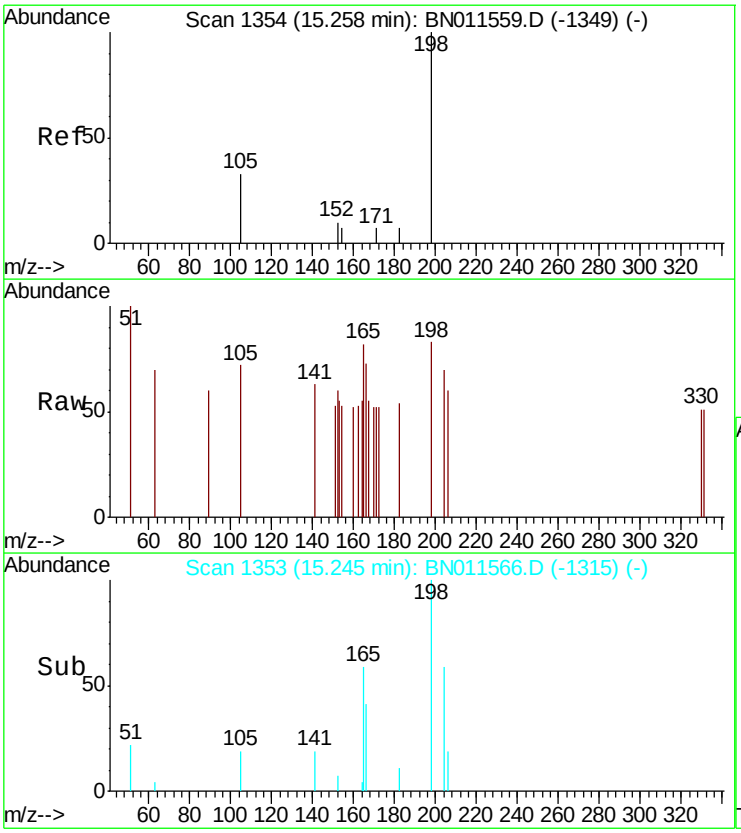
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:188 Resp: 5699

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

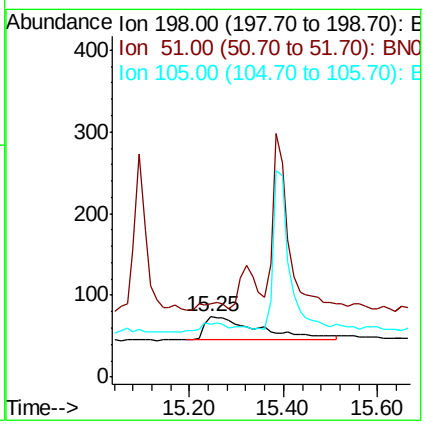


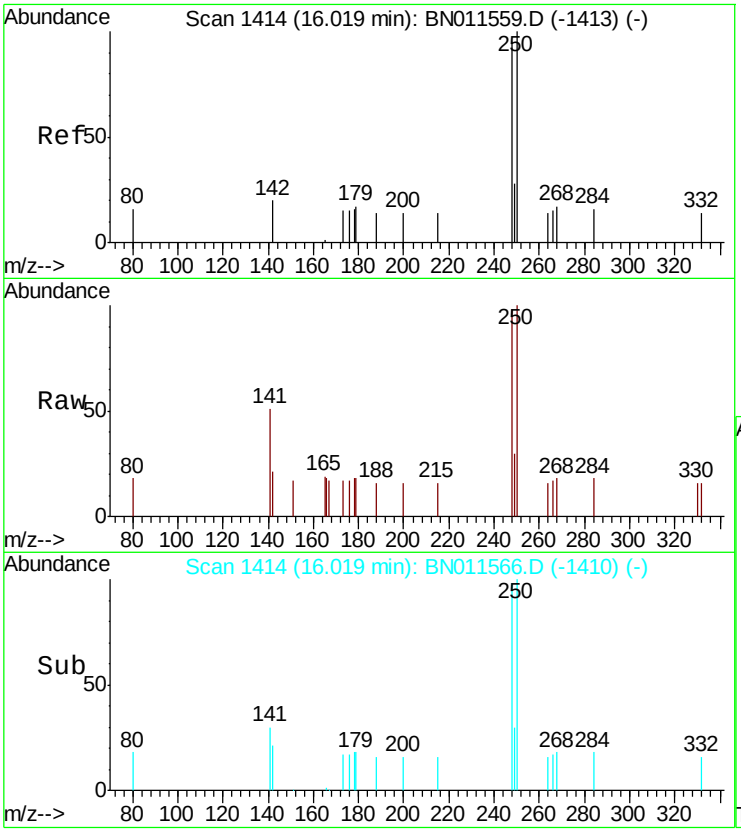


#20
4,6-Dinitro-2-methylphenol
Concen: 0.372 ng
RT: 15.25 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:198 Resp: 223

Ion	Ratio	Lower	Upper
198	100		
51	120.3	89.4	134.2
105	86.5	70.6	105.8



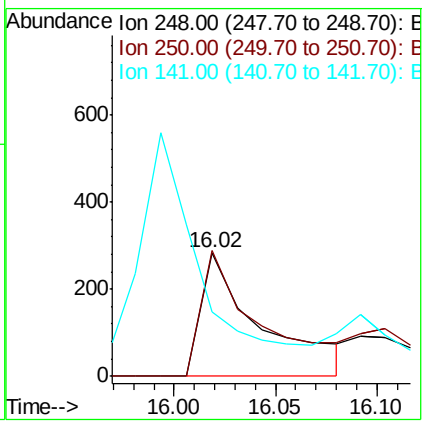


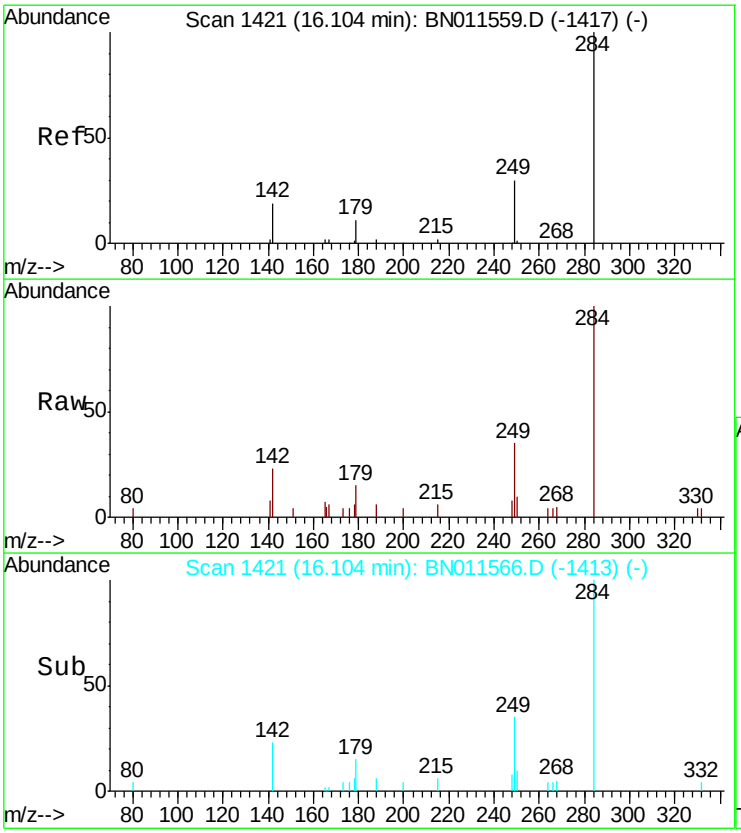
#21
4-Bromophenyl-phenylether
Concen: 0.467 ng
RT: 16.02 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:248 Resp: 581

Ion	Ratio	Lower	Upper
248	100		
250	101.8	83.8	125.8
141	52.1	41.0	61.6

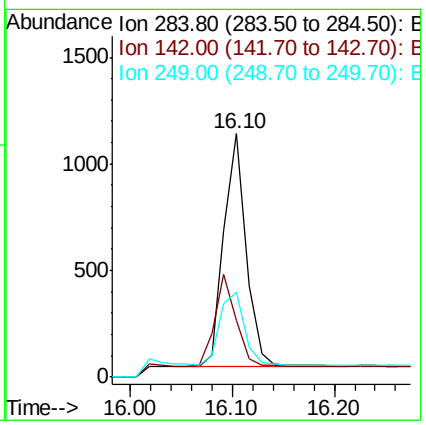


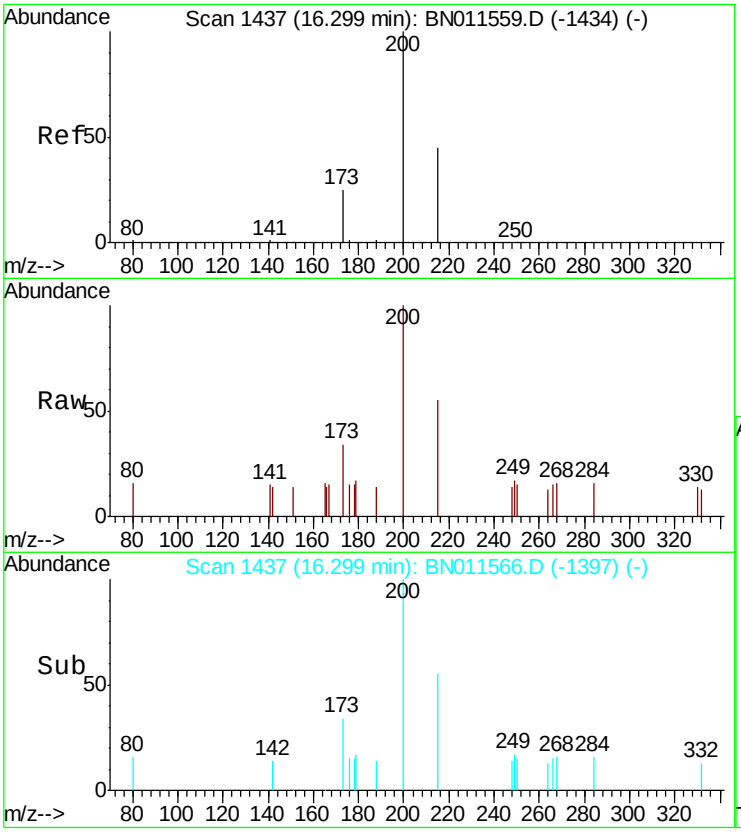


#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.10 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:284 Resp: 1649

Ion	Ratio	Lower	Upper
284	100		
142	38.4	29.7	44.5
249	35.5	26.8	40.2



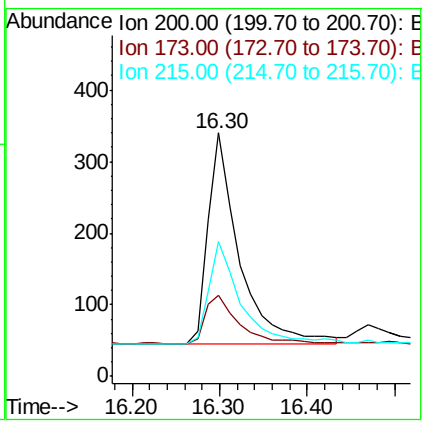


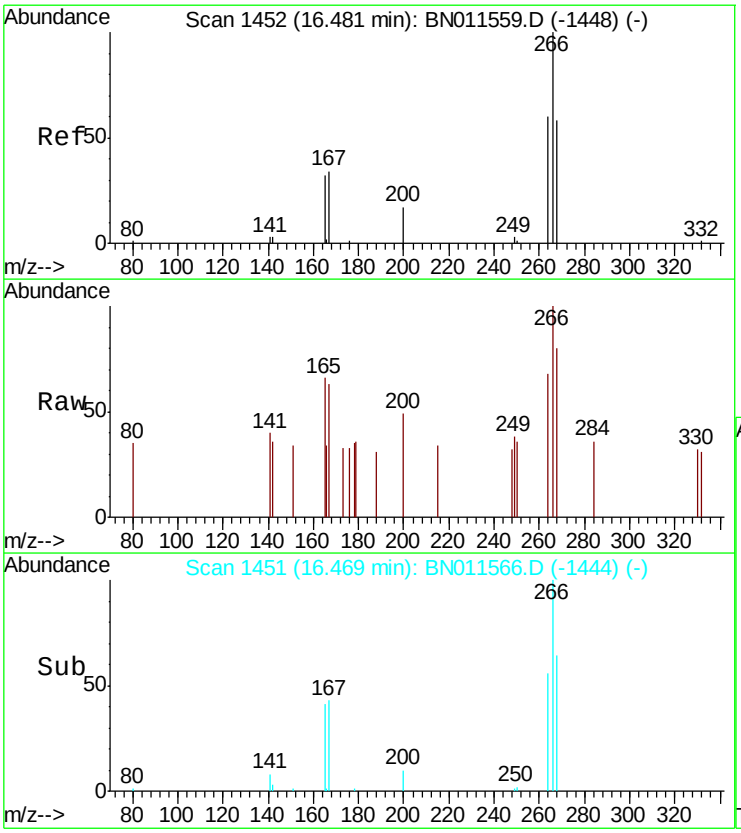
#23
Atrazine
Concen: 0.244 ng
RT: 16.30 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:200 Resp: 724

Ion	Ratio	Lower	Upper
200	100		
173	33.5	27.7	41.5
215	55.3	41.5	62.3

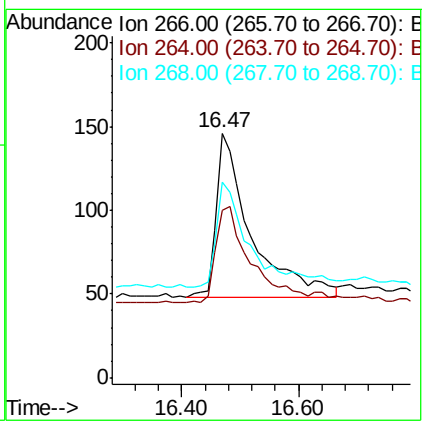


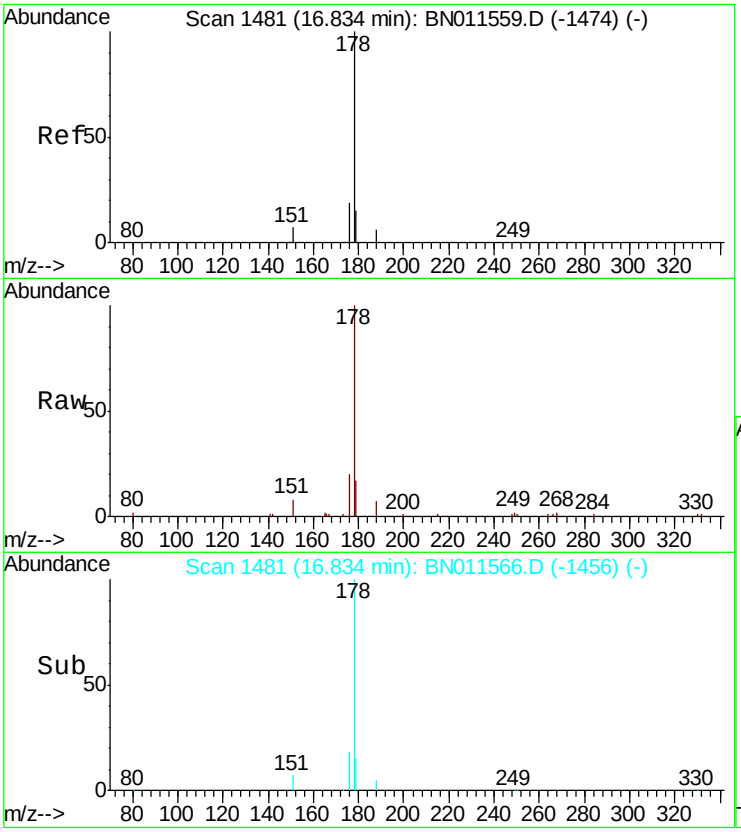


#24
Pentachlorophenol
Concen: 0.296 ng
RT: 16.47 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:266 Resp: 405

Ion	Ratio	Lower	Upper
266	100		
264	58.3	48.7	73.1
268	63.2	51.0	76.6



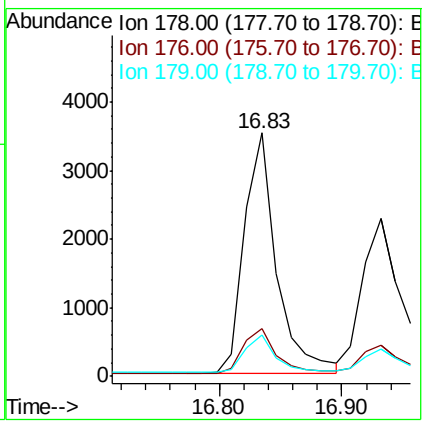


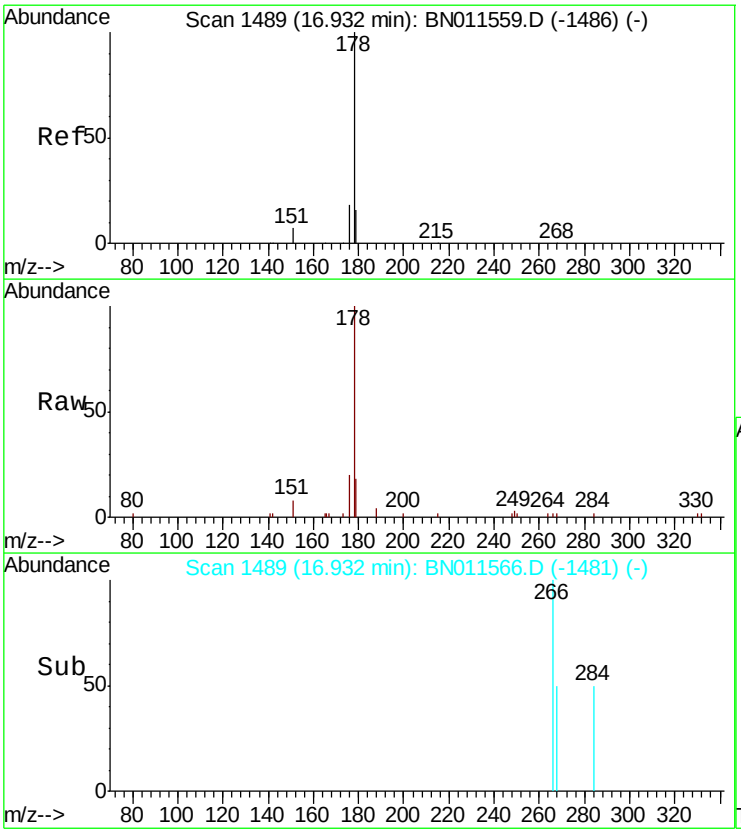
#25
Phenanthrene
Concen: 0.357 ng
RT: 16.83 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:178 Resp: 6409

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.4	12.3	18.5

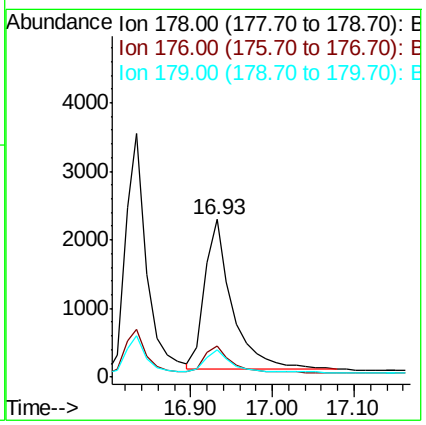


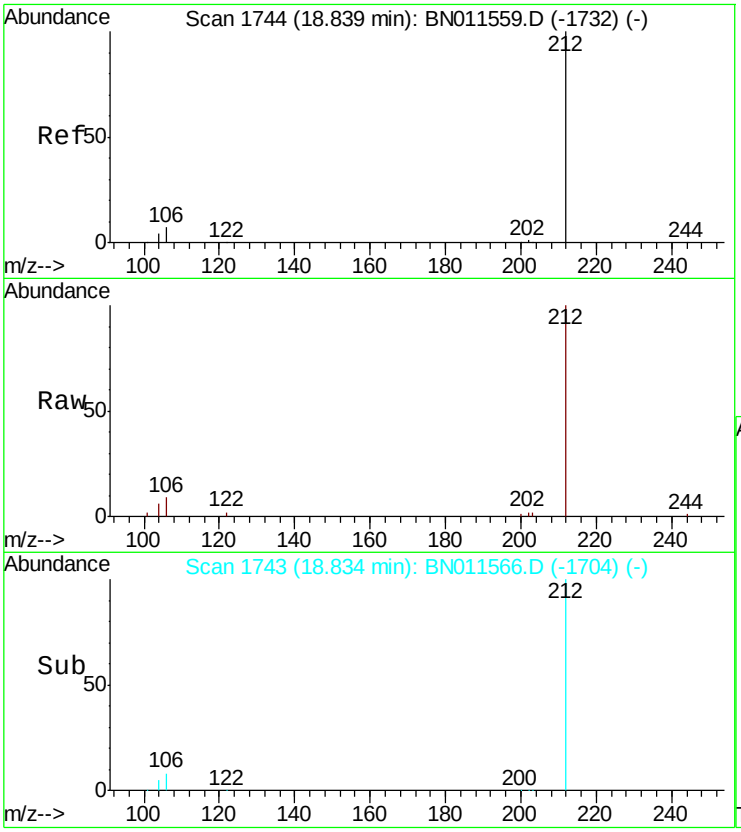


#26
Anthracene
Concen: 0.336 ng
RT: 16.93 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:178 Resp: 5032

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.4	21.6
179	15.6	12.9	19.3



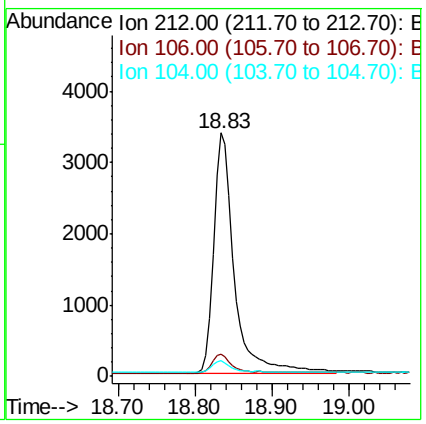


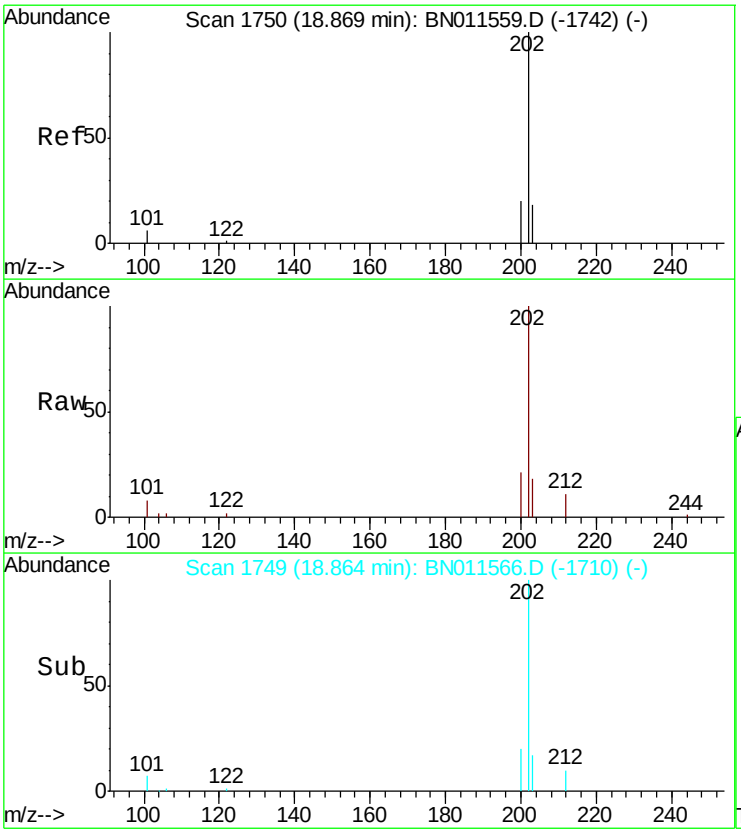
#27
Fluoranthene-d10
Concen: 0.324 ng
RT: 18.83 min Scan# 1743
Delta R.T. -0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:212 Resp: 6228

Ion	Ratio	Lower	Upper
212	100		
106	7.8	6.2	9.2
104	4.5	3.8	5.6

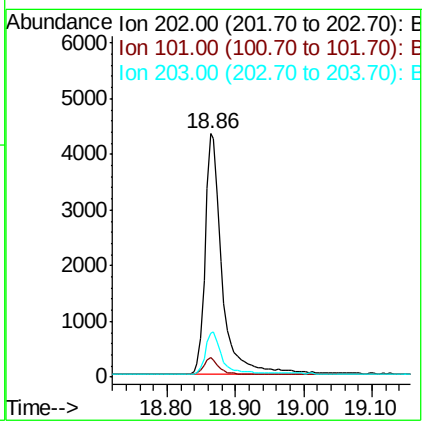


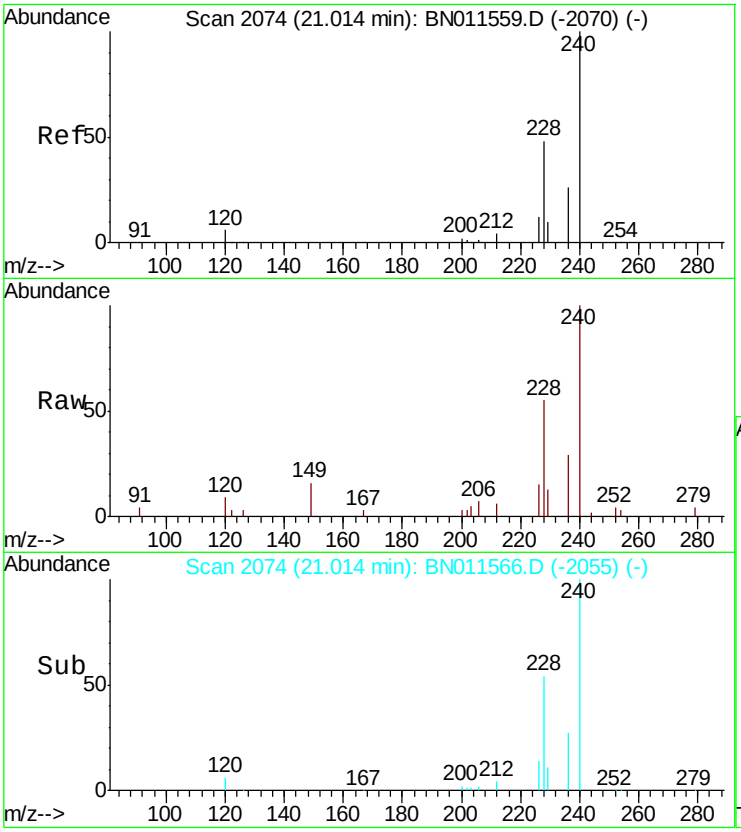


#28
Fluoranthene
Concen: 0.329 ng
RT: 18.86 min Scan# 1749
Delta R.T. -0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:202 Resp: 7592

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	17.5	13.6	20.4



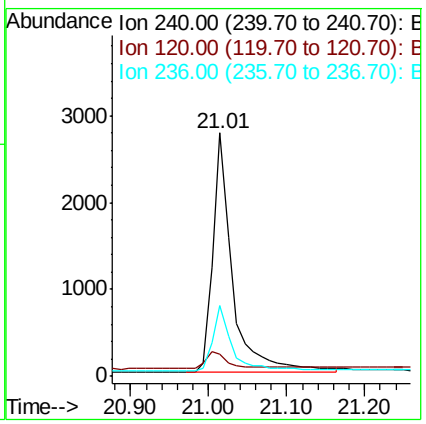


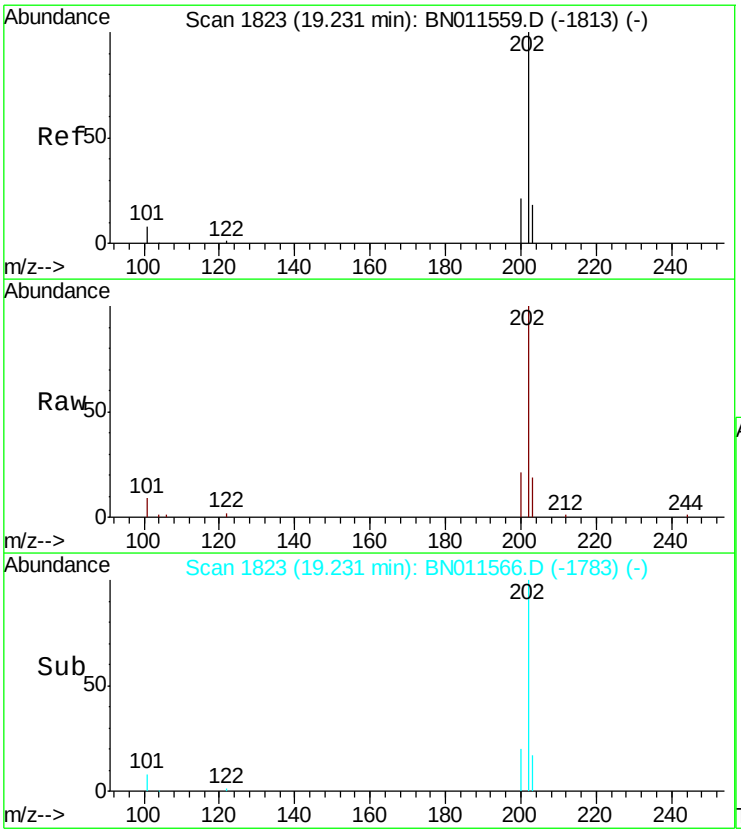
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.01 min Scan# 2074
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:240 Resp: 4831

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.4	11.0
236	28.9	22.3	33.5

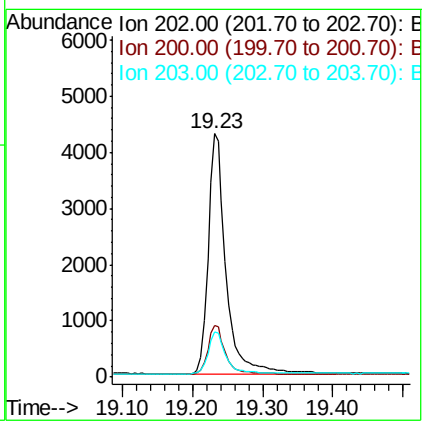


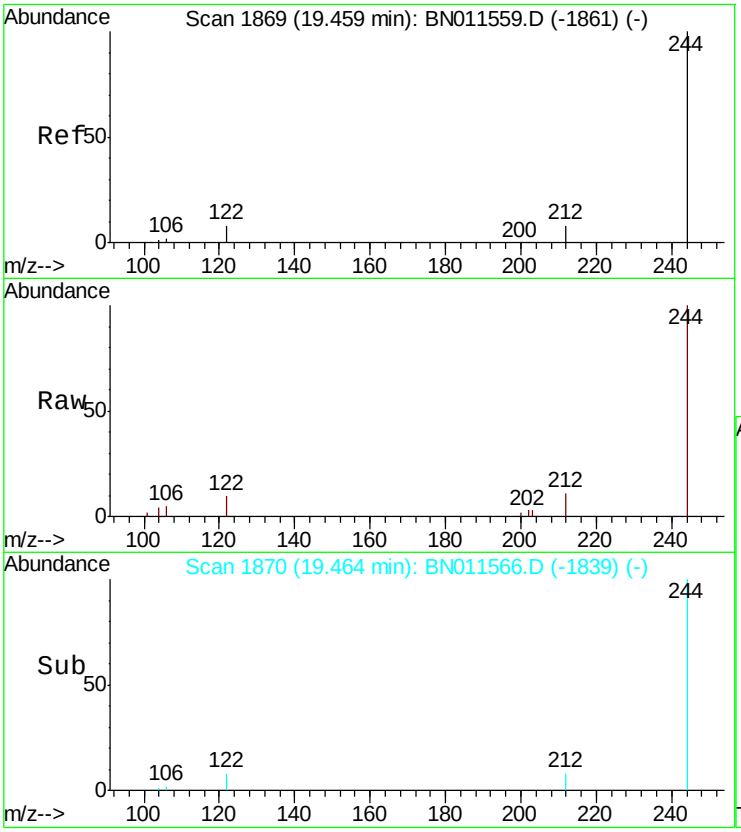


#30
Pyrene
Concen: 0.392 ng
RT: 19.23 min Scan# 1823
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:202 Resp: 7536

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	17.4	14.2	21.2



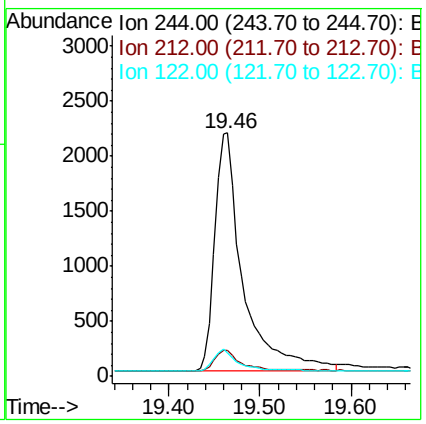


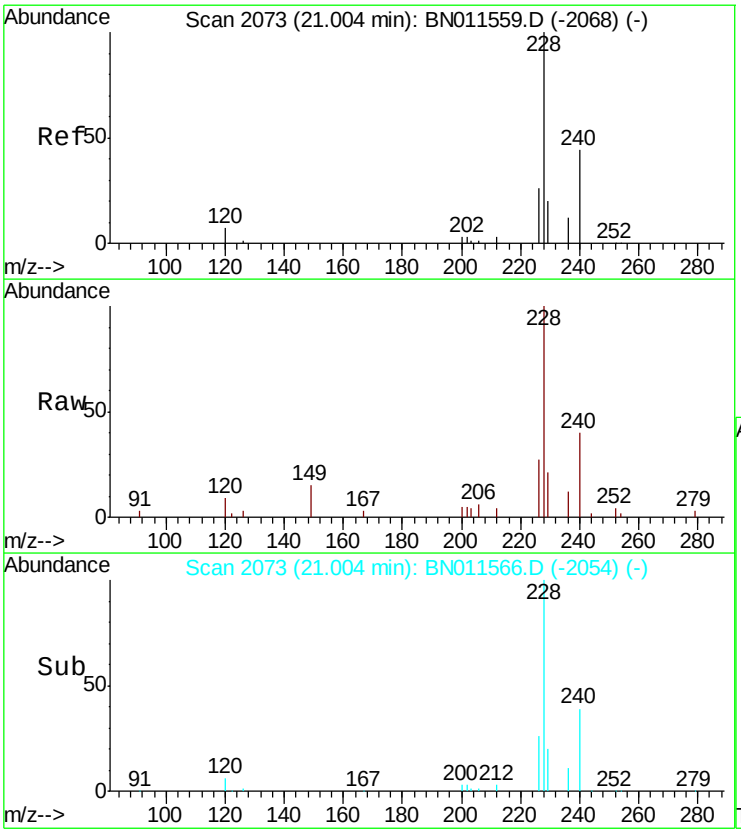
#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.46 min Scan# 1870
Delta R.T. 0.01 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:244 Resp: 4665

Ion	Ratio	Lower	Upper
244	100		
212	10.6	8.2	12.4
122	9.7	8.0	12.0

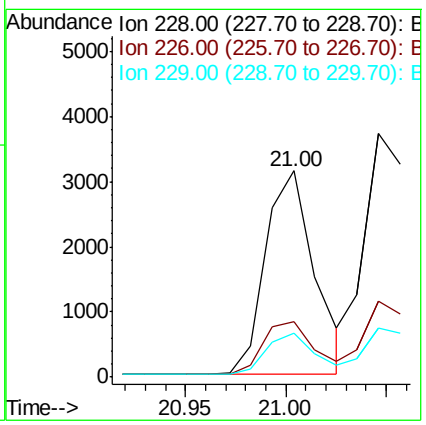


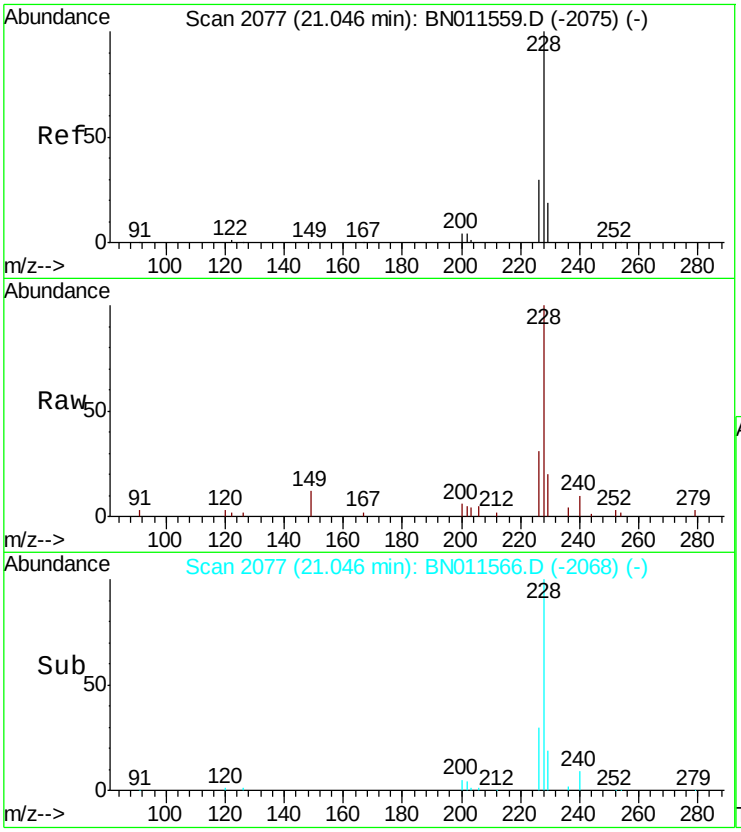


#32
Benzo(a)anthracene
Concen: 0.334 ng
RT: 21.00 min Scan# 2073
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:228 Resp: 5295

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.2
229	21.0	16.9	25.3



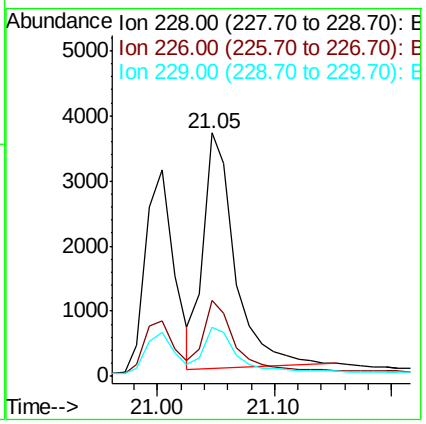


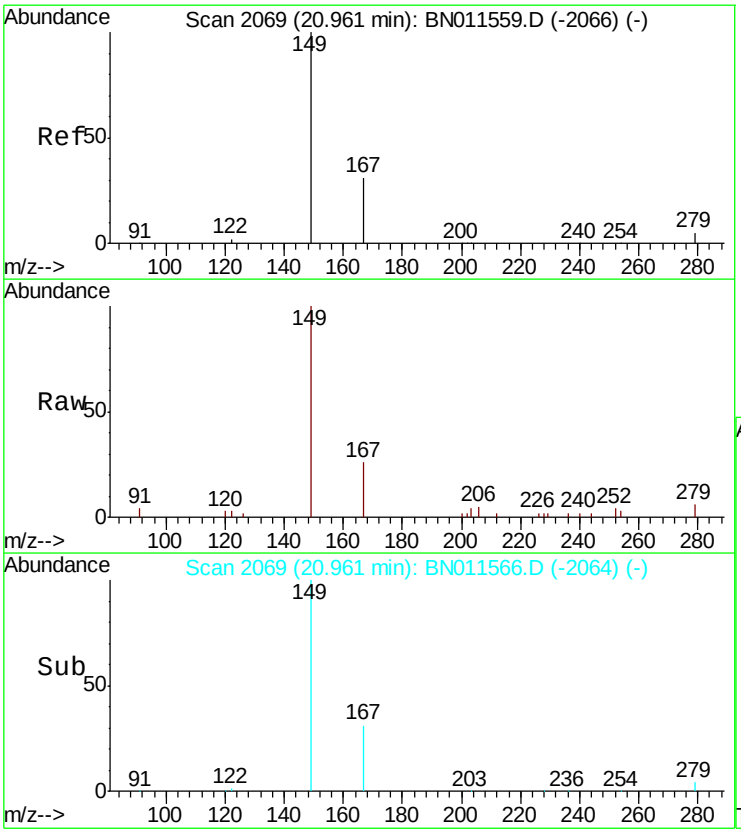
#33
Chrysene
Concen: 0.381 ng
RT: 21.05 min Scan# 2077
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:228 Resp: 6883

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.5	36.7
229	20.0	16.2	24.2

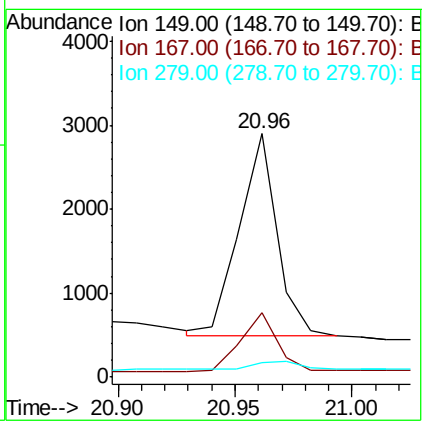


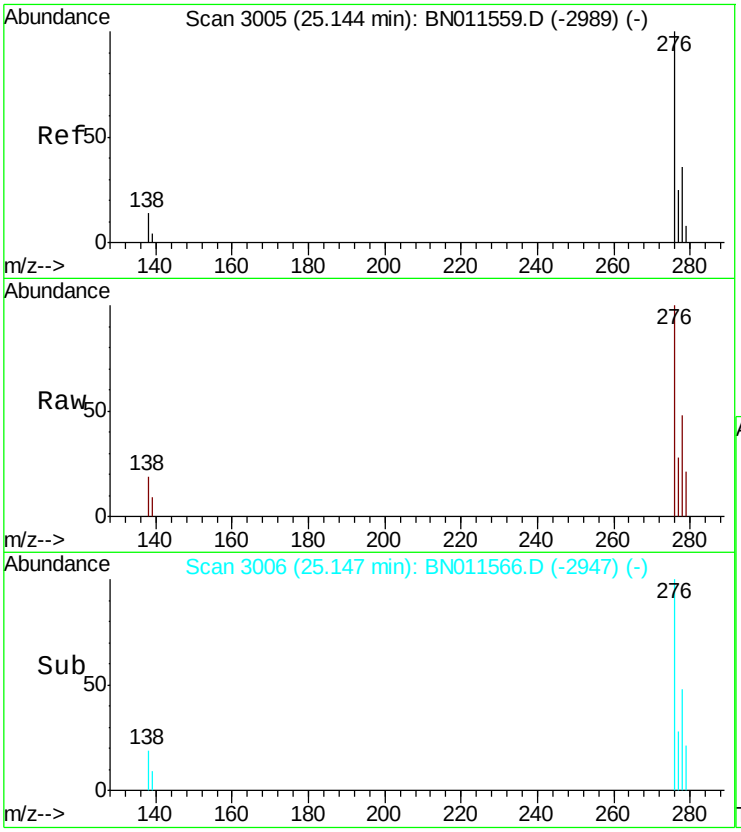


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.373 ng
RT: 20.96 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:149 Resp: 2686

Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.8	34.2
279	4.6	4.2	6.2



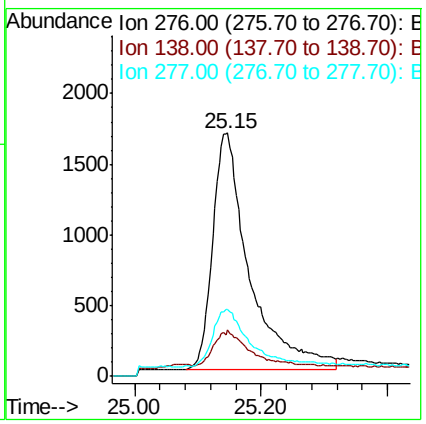


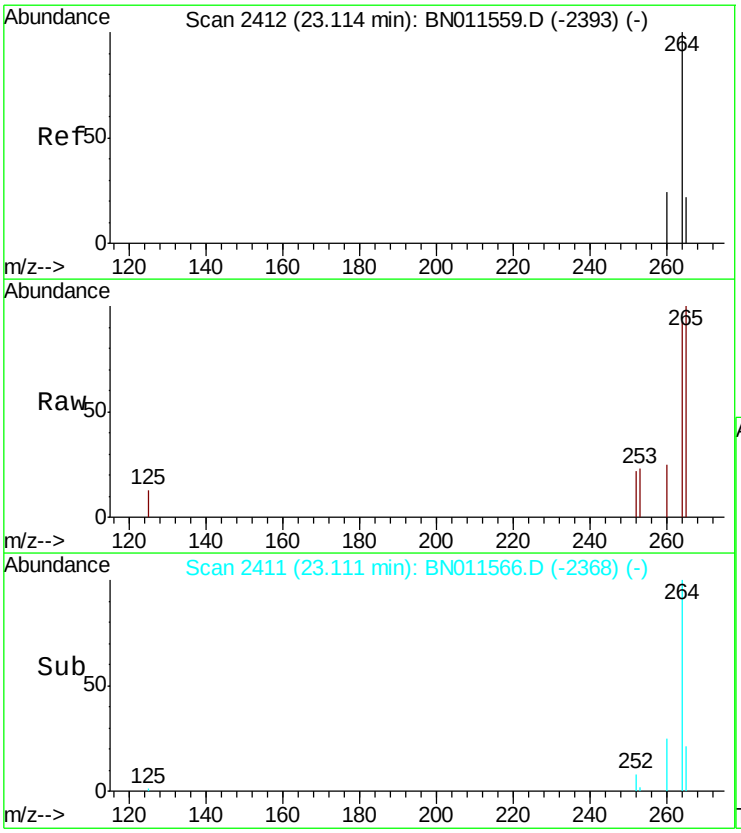
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.411 ng
RT: 25.15 min Scan# 3006
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument : BNA_N
ClientSampleId : PB131149BS

Tgt Ion:276 Resp: 6740

Ion	Ratio	Lower	Upper
276	100		
138	12.9	11.6	17.4
277	24.1	18.2	27.4

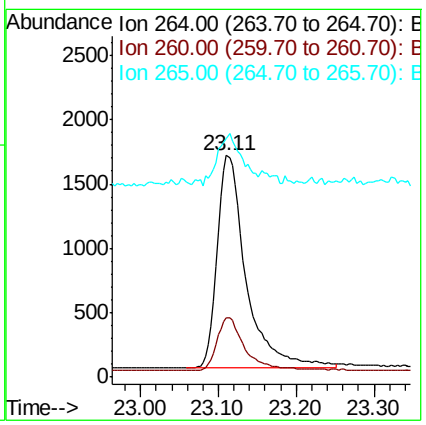


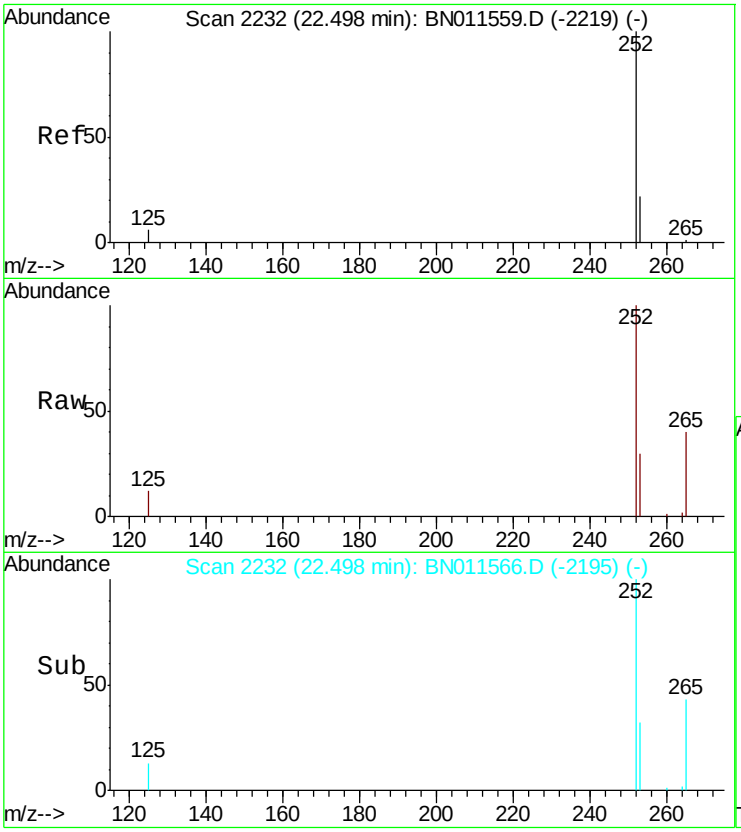


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.11 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:264 Resp: 4288

Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.3	30.5
265	107.4	96.1	144.1



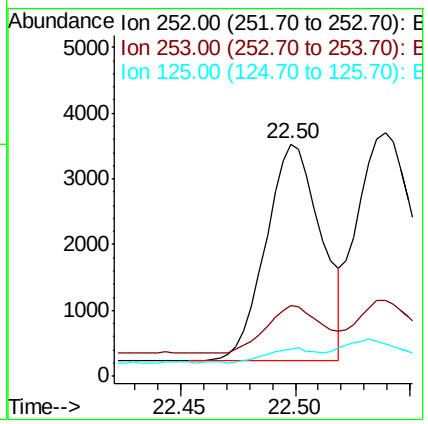


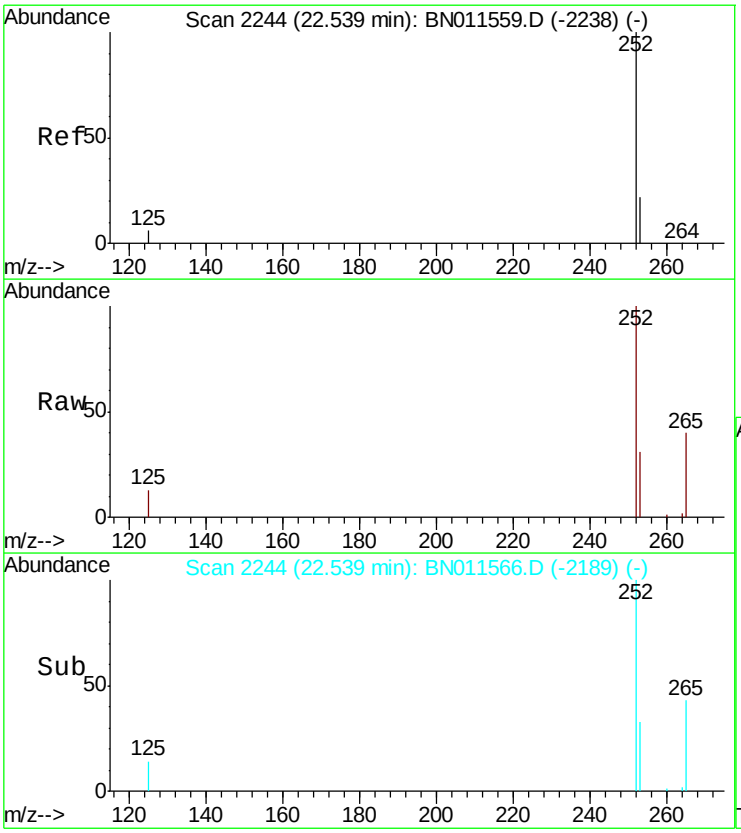
#37
Benzo(b)fluoranthene
Concen: 0.349 ng
RT: 22.50 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:252 Resp: 5526

Ion	Ratio	Lower	Upper
252	100		
253	30.4	25.5	38.3
125	11.9	10.2	15.4

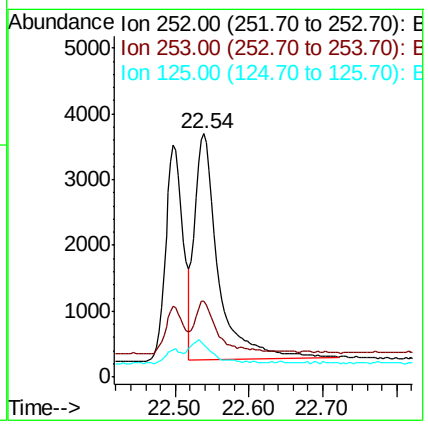


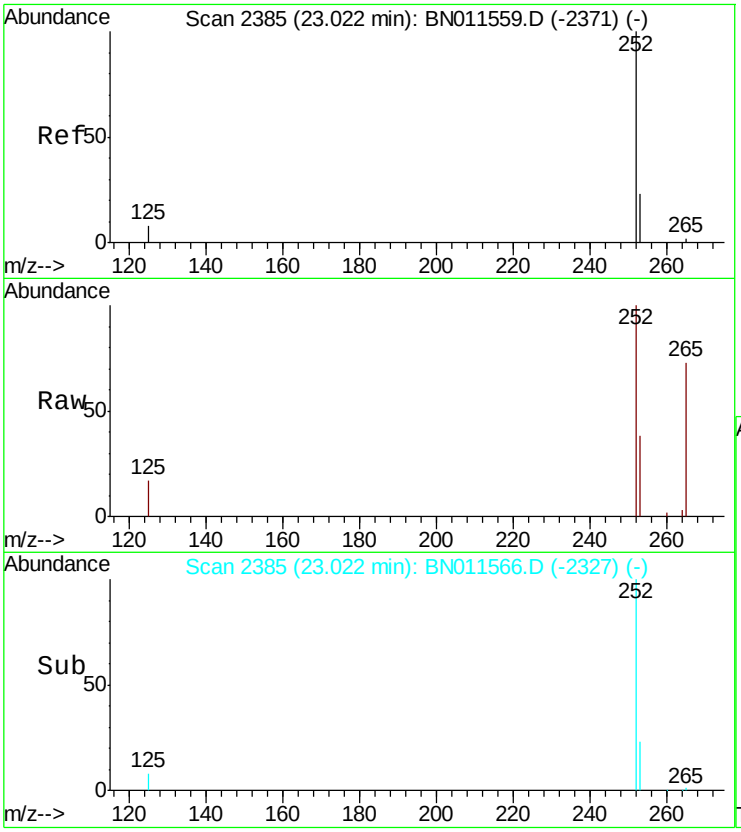


#38
Benzo(k)fluoranthene
Concen: 0.401 ng
RT: 22.54 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:252 Resp: 7571

Ion	Ratio	Lower	Upper
252	100		
253	31.1	25.8	38.6
125	13.4	10.8	16.2



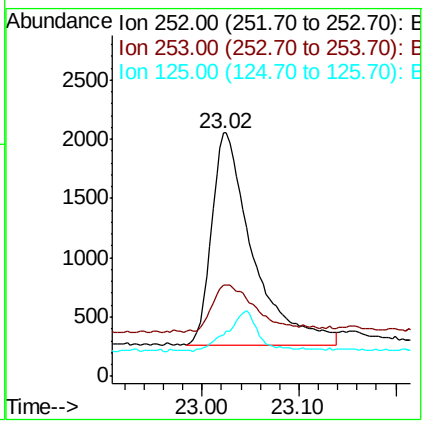


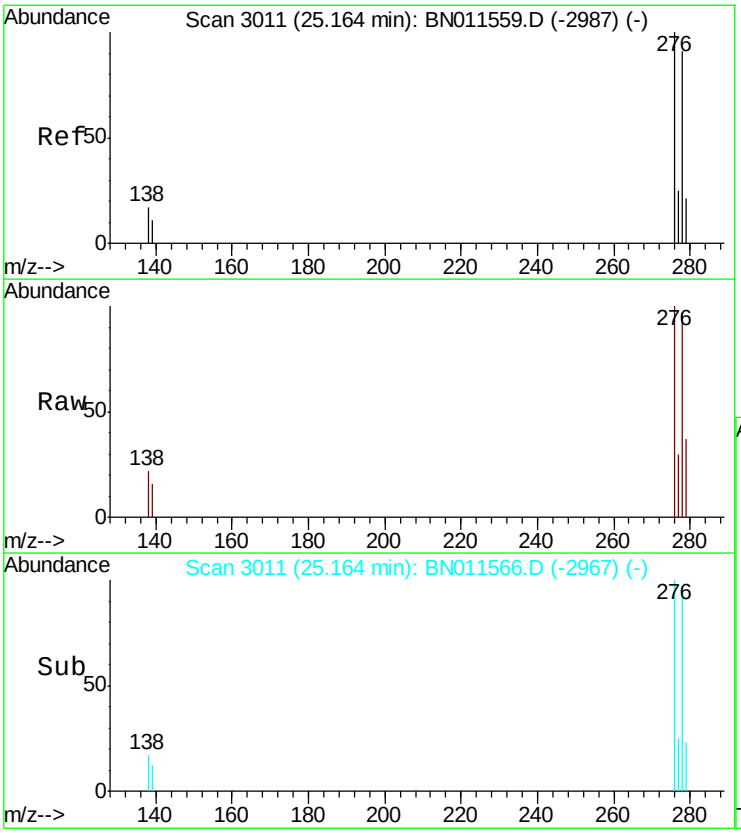
#39
Benzo(a)pyrene
Concen: 0.362 ng
RT: 23.02 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:252 Resp: 5316

Ion	Ratio	Lower	Upper
252	100		
253	37.7	31.8	47.8
125	17.2	15.4	23.0

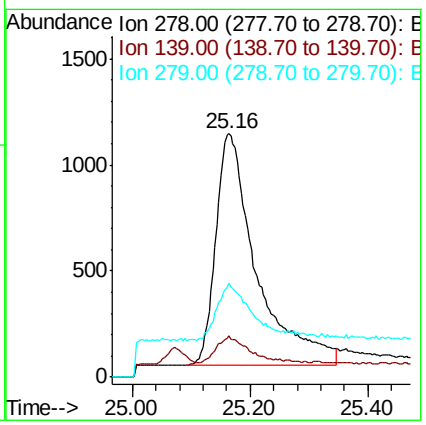


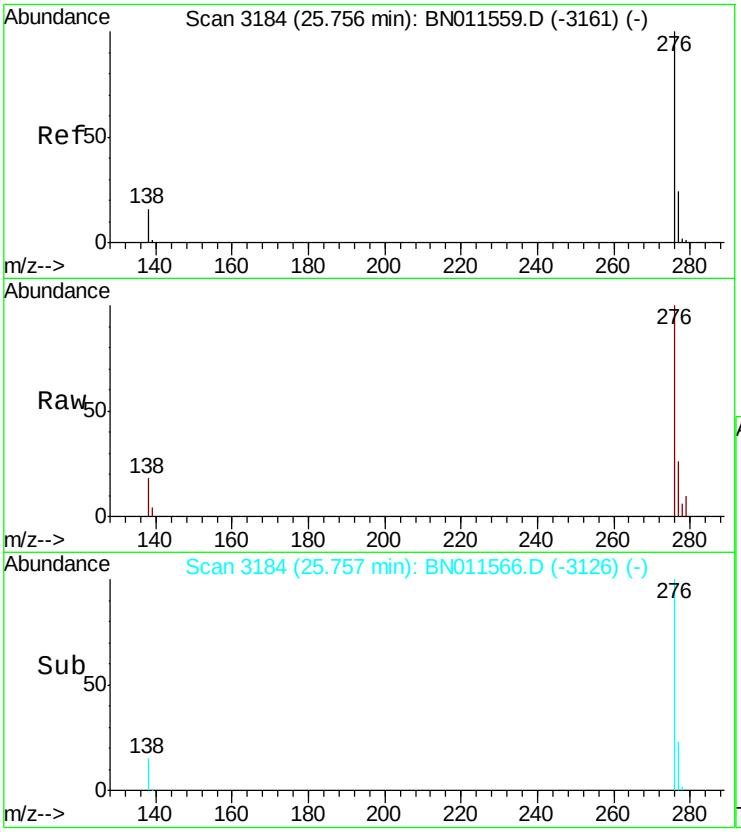


#40
Dibenzo(a,h)anthracene
Concen: 0.426 ng
RT: 25.16 min Scan# 3011
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Tgt Ion:278 Resp: 5223

Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.0	21.0
279	38.4	32.4	48.6





#41
Benzo(g,h,i)perylene
Concen: 0.421 ng
RT: 25.76 min Scan# 3184
Delta R.T. 0.00 min
Lab File: BN011566.D
Acq: 21 Aug 2020 22:25

Instrument :
BNA_N
ClientSampleId :
PB131149BS

Tgt Ion:276 Resp: 6154

Ion	Ratio	Lower	Upper
276	100		
277	26.5	22.1	33.1
138	17.9	15.4	23.2