Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
Data File : BN011570.D
Acq On : 22 Aug 2020 04:16
Operator : CG/JU
Sample : PB131047BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB131047BS

Quant Time: Aug 22 05:51:05 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	1173	0.40	ng	0.00
7) Naphthalene-d8	10.14	136	4156	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	2985	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	6667	0.40	ng	0.00
29) Chrysene-d12	21.01	240	5777	0.40	ng	0.00
36) Perylene-d12	23.11	264	5015	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	983	0.39	ng	0.00
5) Phenol-d6	6.62	99	749	0.30	ng	0.00
8) Nitrobenzene-d5	8.55	82	919	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	2796	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	489	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	4412	0.36	ng	-0.01
27) Fluoranthene-d10	18.83	212	7283	0.32	ng	0.00
31) Terphenyl-d14	19.46	244	5519	0.37	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.11	88	693	0.432	ng	# 100
3) n-Nitrosodimethylamine	3.47	42	259	0.392	ng	# 76
6) bis(2-Chloroethyl)ether	6.87	93	779	0.315	ng	97
9) Naphthalene	10.19	128	4501	0.374	ng	99
10) Hexachlorobutadiene	10.48	225	1358	0.403	ng	# 98
12) 2-Methylnaphthalene	11.82	142	3148	0.380	ng	96
16) Acenaphthylene	13.74	152	5071	0.334	ng	100
17) Acenaphthene	14.09	154	3523	0.354	ng	100
18) Fluorene	15.09	166	4721	0.358	ng	99
20) 4,6-Dinitro-2-methylphenol	15.23	198	237	0.354	ng	96
21) 4-Bromophenyl-phenylether	16.02	248	523	0.359	ng	93
22) Hexachlorobenzene	16.10	284	1847	0.359	ng	99
23) Atrazine	16.30	200	841	0.242	ng	96
24) Pentachlorophenol	16.47	266	459	0.287	ng	94
25) Phenanthrene	16.83	178	7562	0.360	ng	100
26) Anthracene	16.93	178	6003	0.343	ng	99
28) Fluoranthene	18.86	202	8822	0.327	ng	100
30) Pyrene	19.23	202	8638	0.376	ng	99
32) Benzo(a)anthracene	20.99	228	6494	0.342	ng	99
33) Chrysene	21.05	228	8034	0.372	ng	99
34) Bis(2-ethylhexyl)phthalate	20.95	149	2891	0.336	ng	99
35) Indeno(1,2,3-cd)pyrene	25.14	276	7234	0.369	ng	98
37) Benzo(b)fluoranthene	22.49	252	6986	0.377	ng	94
38) Benzo(k)fluoranthene	22.53	252	8843	0.400	ng	95
39) Benzo(a)pyrene	23.02	252	6133	0.358	ng	92
40) Dibenzo(a,h)anthracene	25.16	278	5735	0.400	ng	93
41) Benzo(g,h,i)perylene	25.75	276	6724	0.393	ng	97

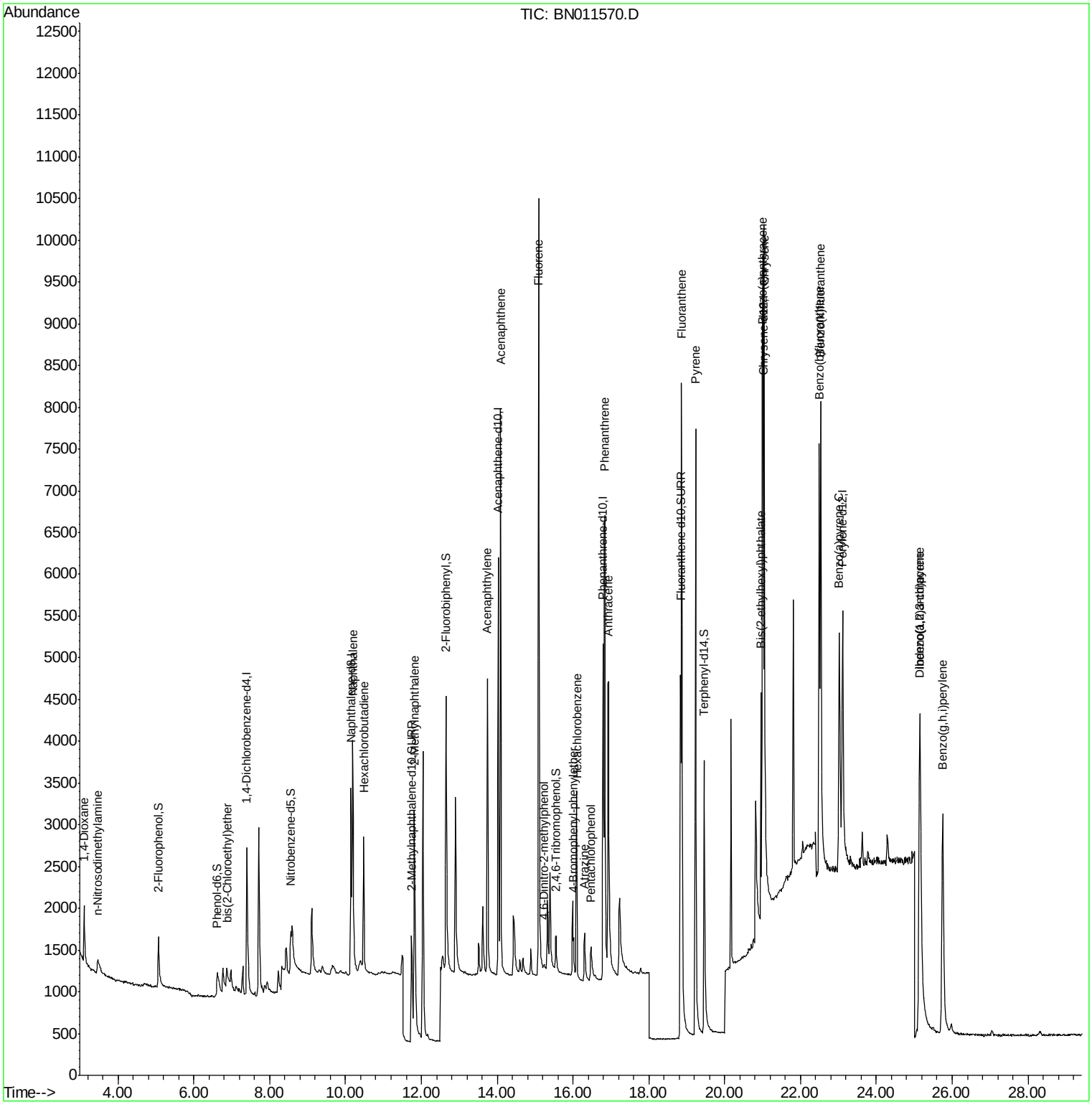
(#) = qualifier out of range (m) = manual integration (+) = signals summed

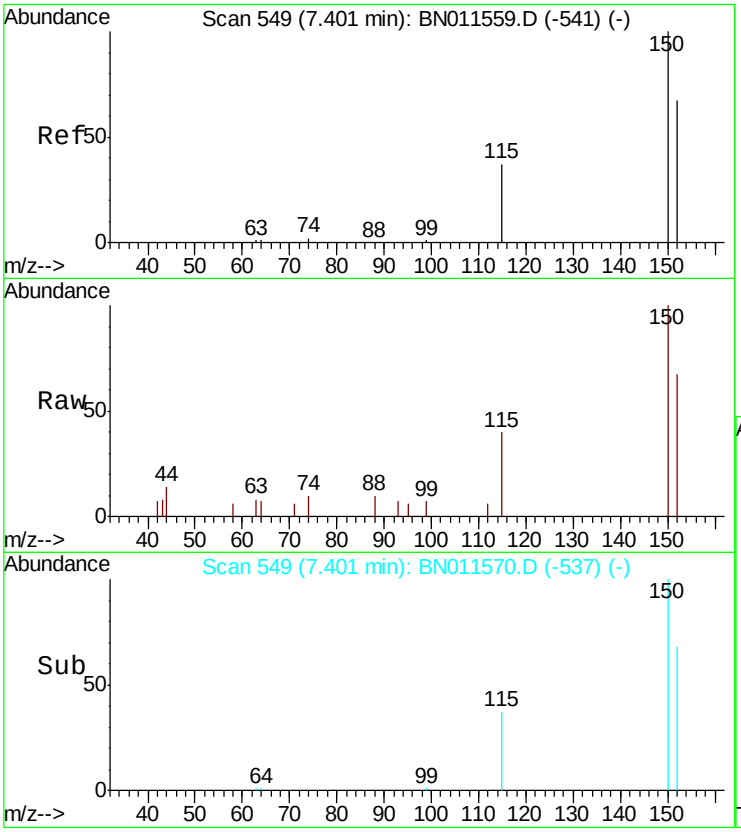
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
Data File : BN011570.D
Acq On : 22 Aug 2020 04:16
Operator : CG/JU
Sample : PB131047BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Quant Time: Aug 22 05:51:05 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



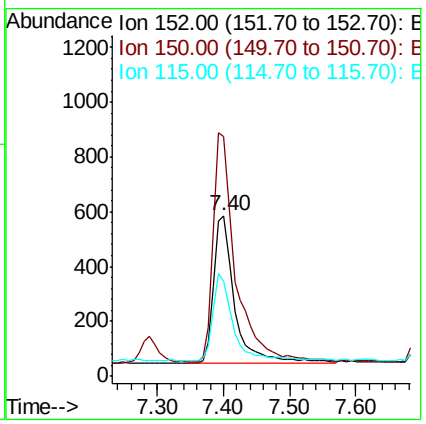


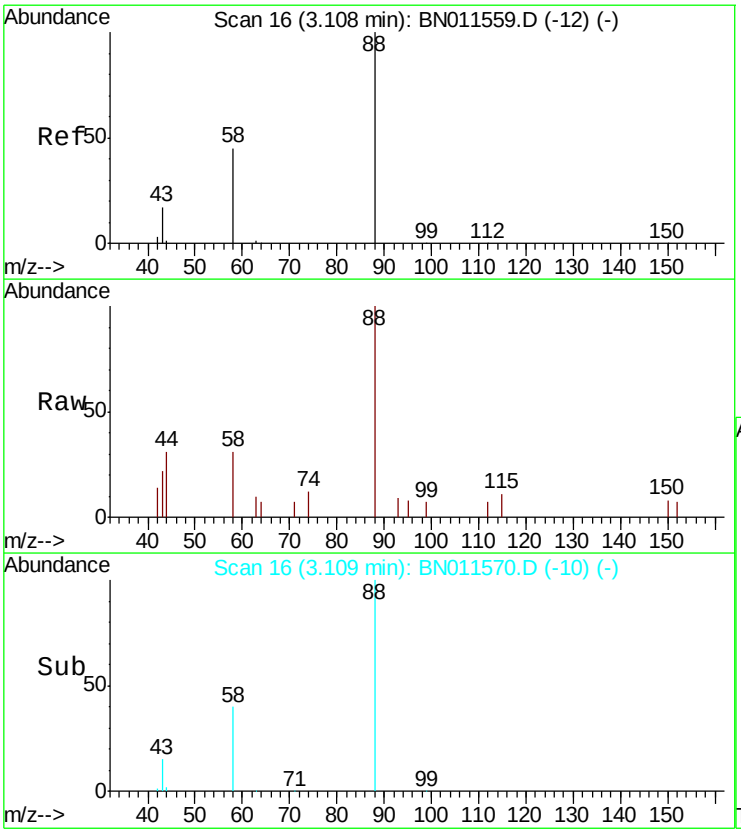
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 549
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:152 Resp: 1173

Ion	Ratio	Lower	Upper
152	100		
150	149.2	117.1	175.7
115	59.5	48.7	73.1

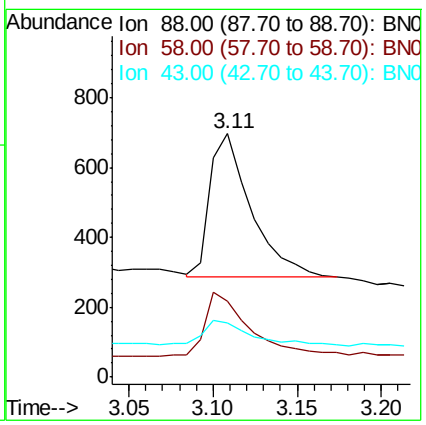


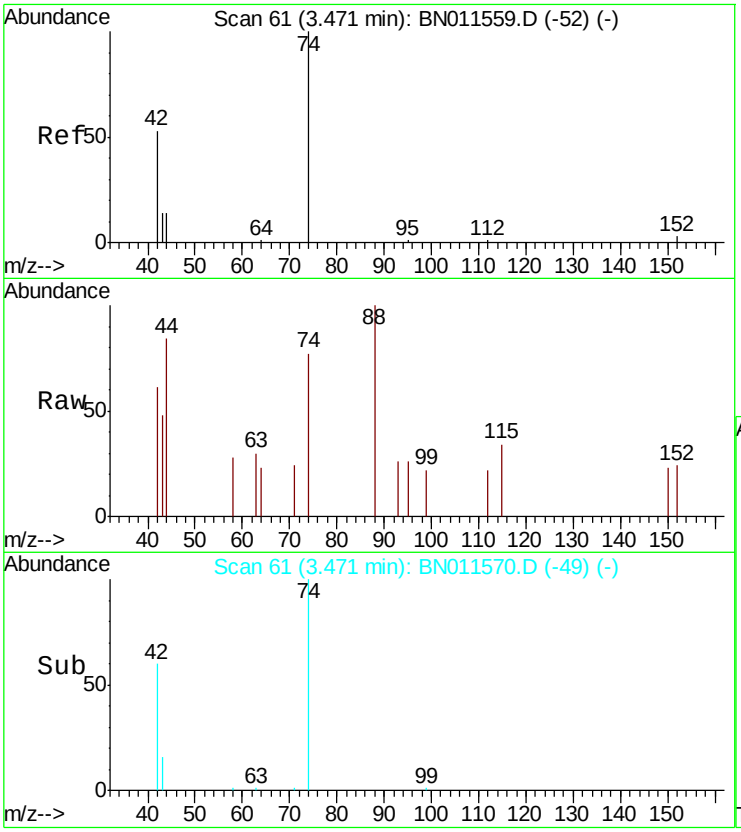


#2
1,4-Dioxane
Concen: 0.432 ng
RT: 3.11 min Scan# 16
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion: 88 Resp: 693

Ion	Ratio	Lower	Upper
88	100		
58	46.5	0.0	0.0#
43	18.8	0.0	0.0#



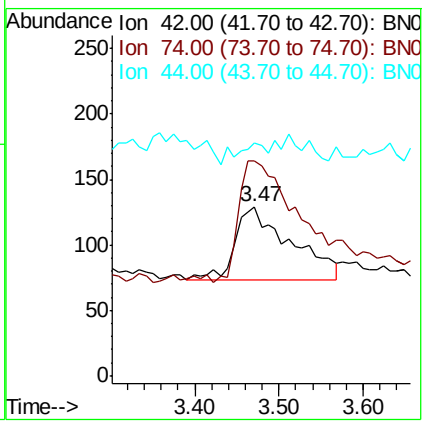


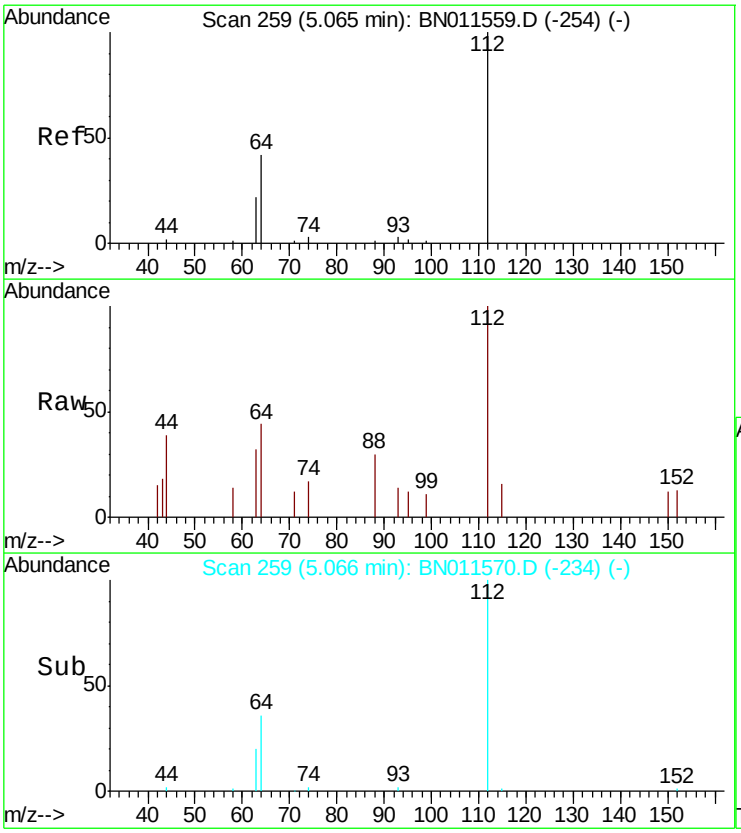
#3
n-Nitrosodimethylamine
Concen: 0.392 ng
RT: 3.47 min Scan# 61
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion: 42 Resp: 259

Ion	Ratio	Lower	Upper
42	100		
74	172.6	169.0	253.4
44	15.8	21.6	32.4#

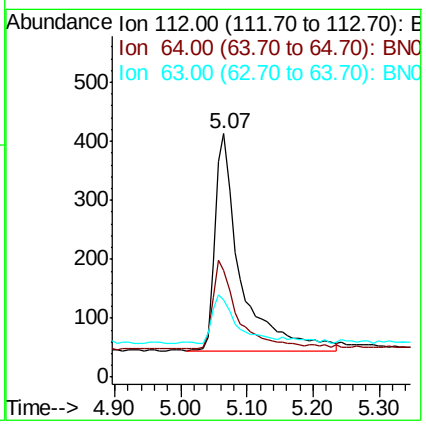


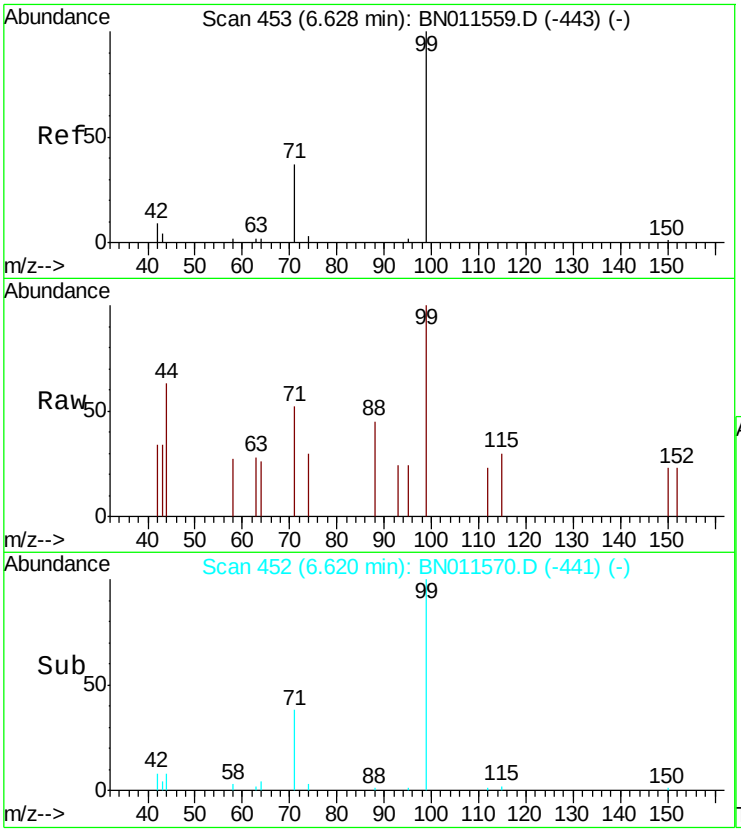


#4
2-Fluorophenol
Concen: 0.393 ng
RT: 5.07 min Scan# 259
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:112 Resp: 983

Ion	Ratio	Lower	Upper
112	100		
64	40.4	33.9	50.9
63	20.8	17.7	26.5



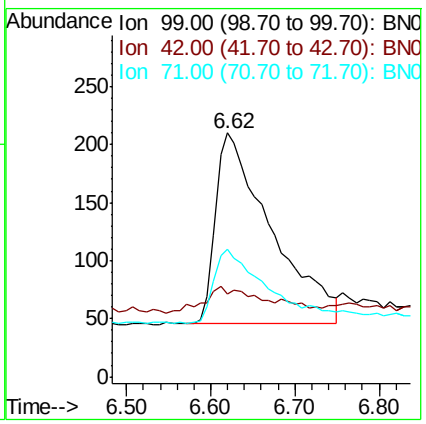


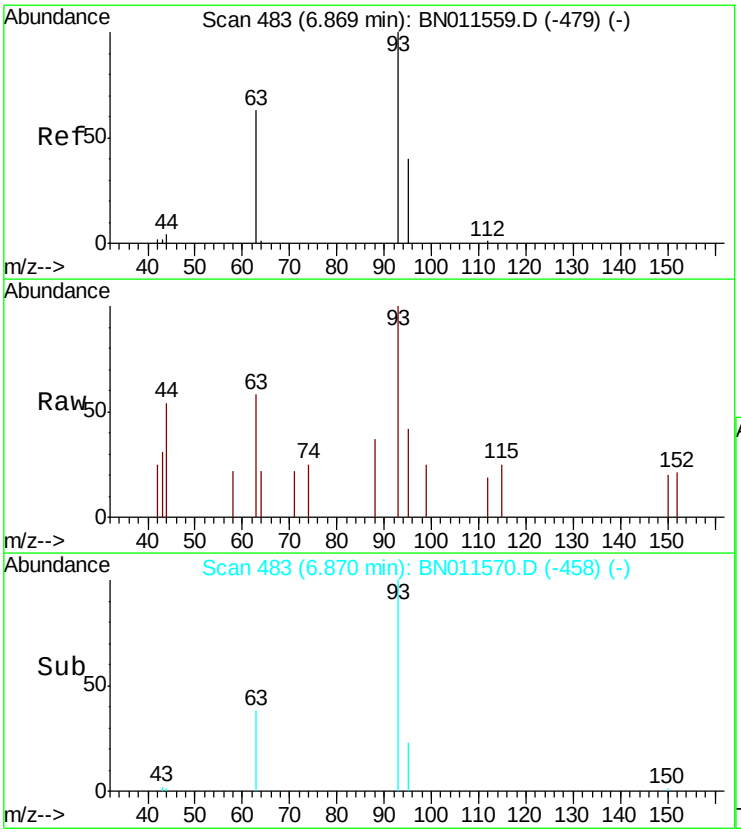
#5
Phenol-d6
Concen: 0.296 ng
RT: 6.62 min Scan# 452
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion: 99 Resp: 749

Ion	Ratio	Lower	Upper
99	100		
42	12.0	9.0	13.4
71	41.4	30.4	45.6

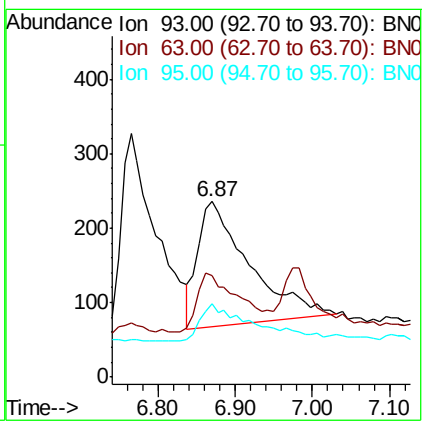


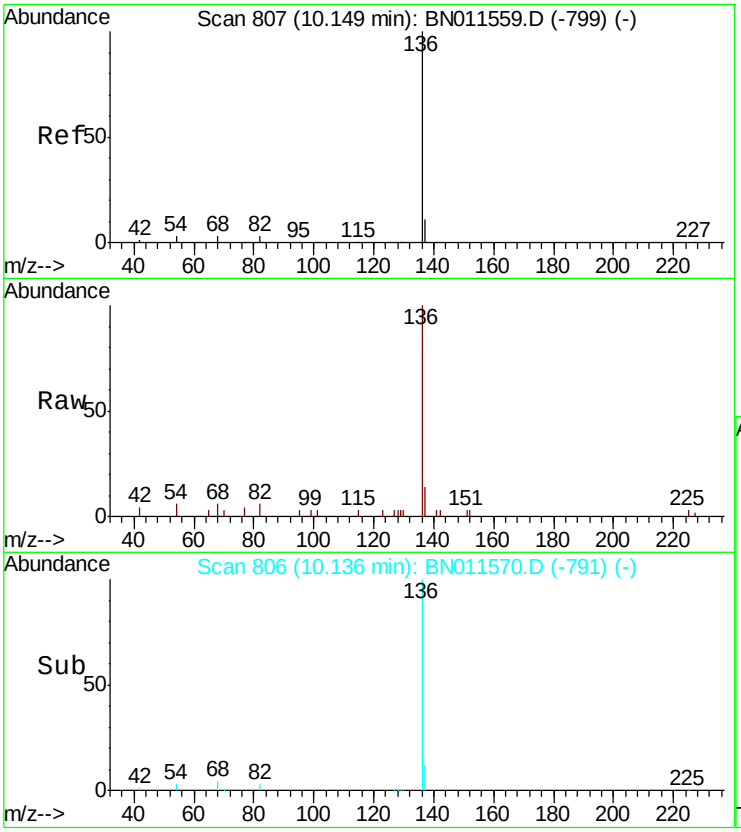


#6
bis(2-Chloroethyl)ether
Concen: 0.315 ng
RT: 6.87 min Scan# 483
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion: 93 Resp: 779

Ion	Ratio	Lower	Upper
93	100		
63	38.0	32.9	49.3
95	31.6	25.3	37.9



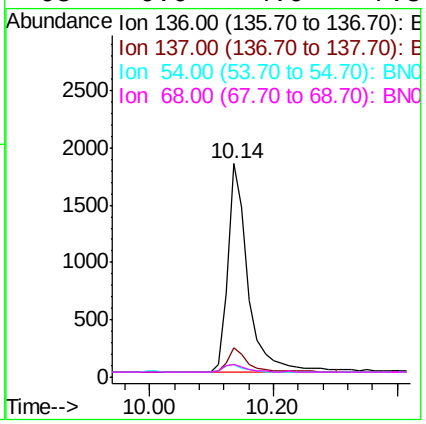


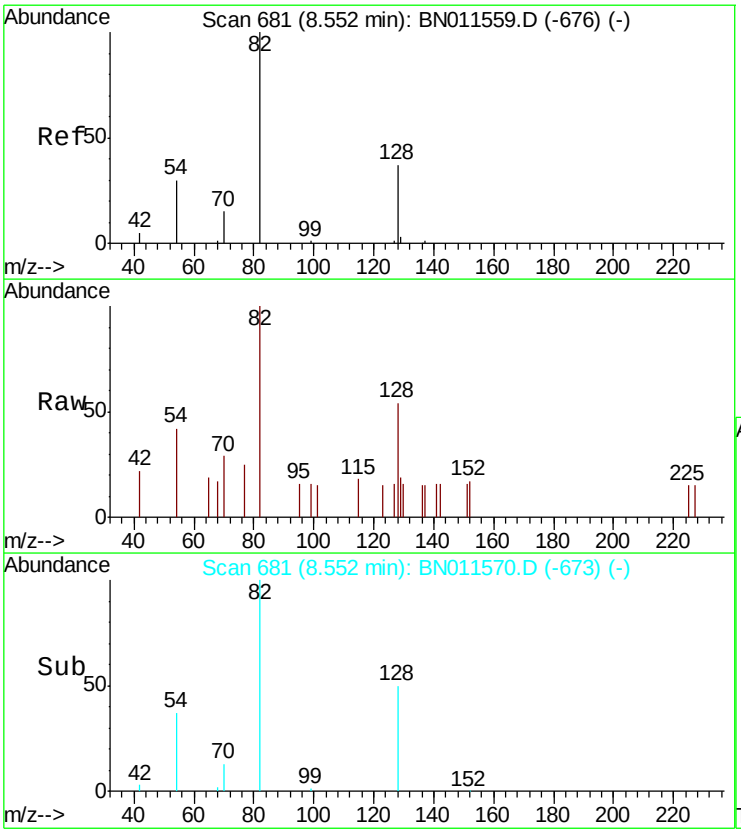
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.14 min Scan# 806
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:136 Resp: 4156

Ion	Ratio	Lower	Upper
136	100		
137	13.9	11.0	16.4
54	5.9	4.3	6.5
68	6.0	4.9	7.3

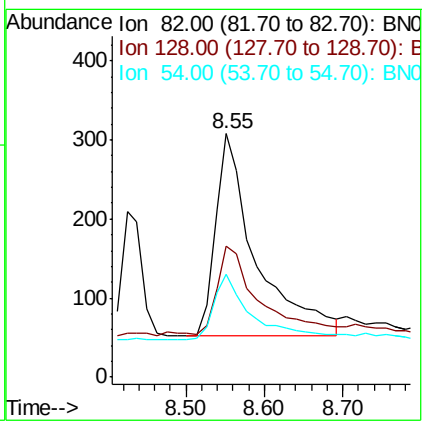


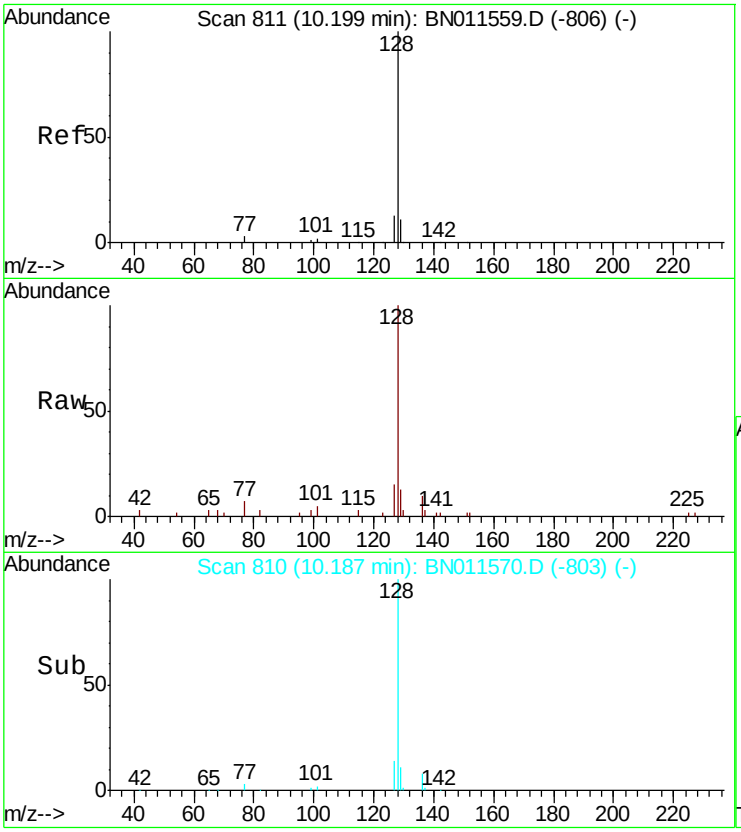


#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 8.55 min Scan# 681
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion: 82 Resp: 919

Ion	Ratio	Lower	Upper
82	100		
128	53.6	41.7	62.5
54	42.2	34.4	51.6



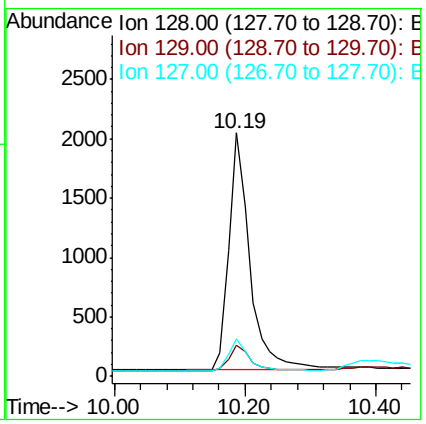


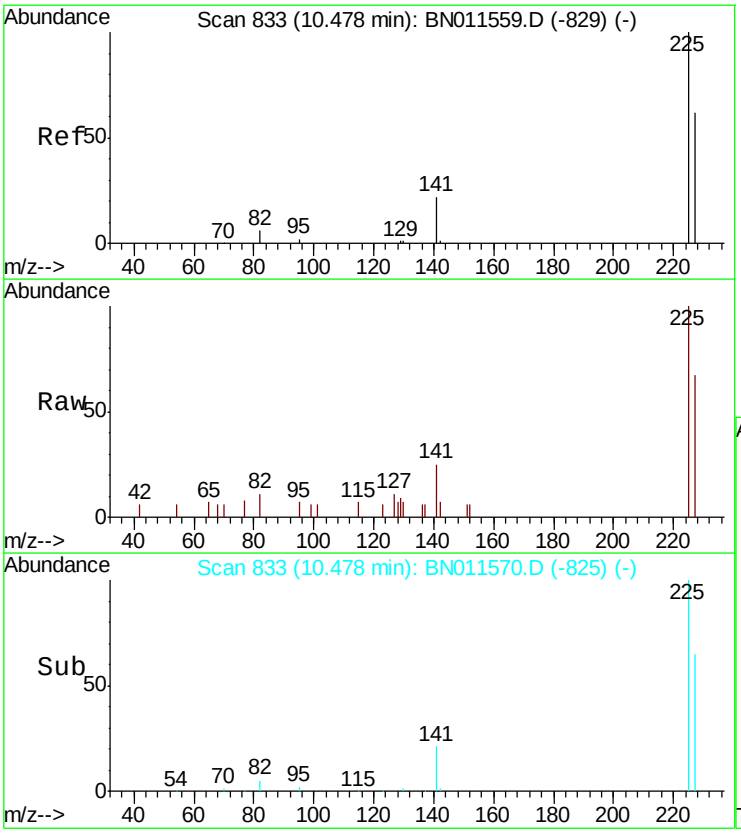
#9
Naphthalene
Concen: 0.374 ng
RT: 10.19 min Scan# 810
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:128 Resp: 4501

Ion	Ratio	Lower	Upper
128	100		
129	13.0	10.8	16.2
127	15.5	12.3	18.5

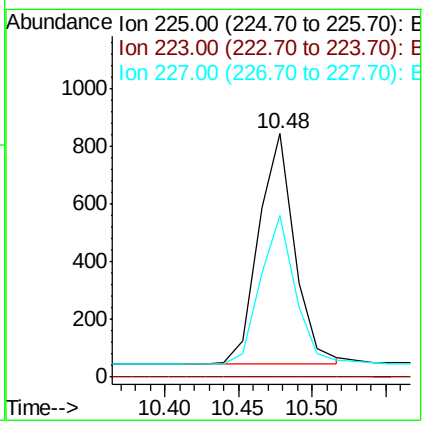


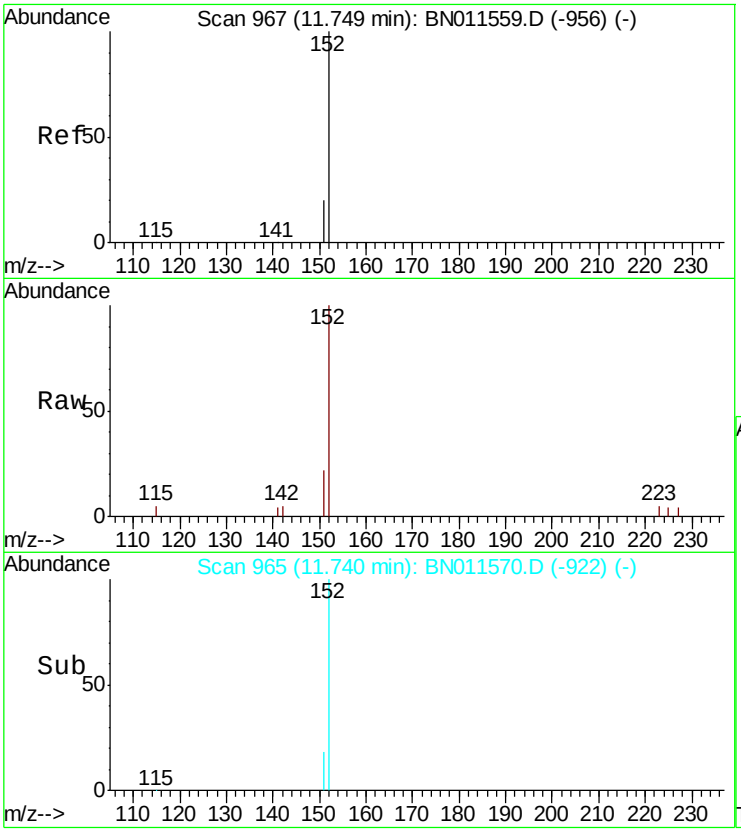


#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.48 min Scan# 833
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:225 Resp: 1358

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.5	51.3	76.9



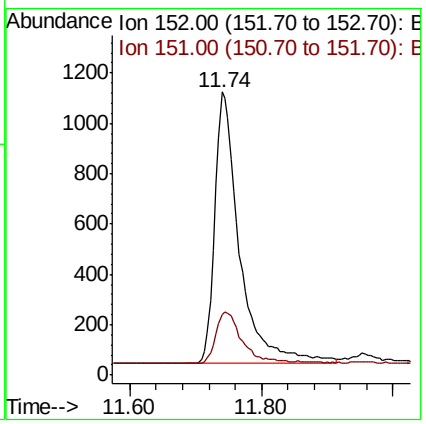


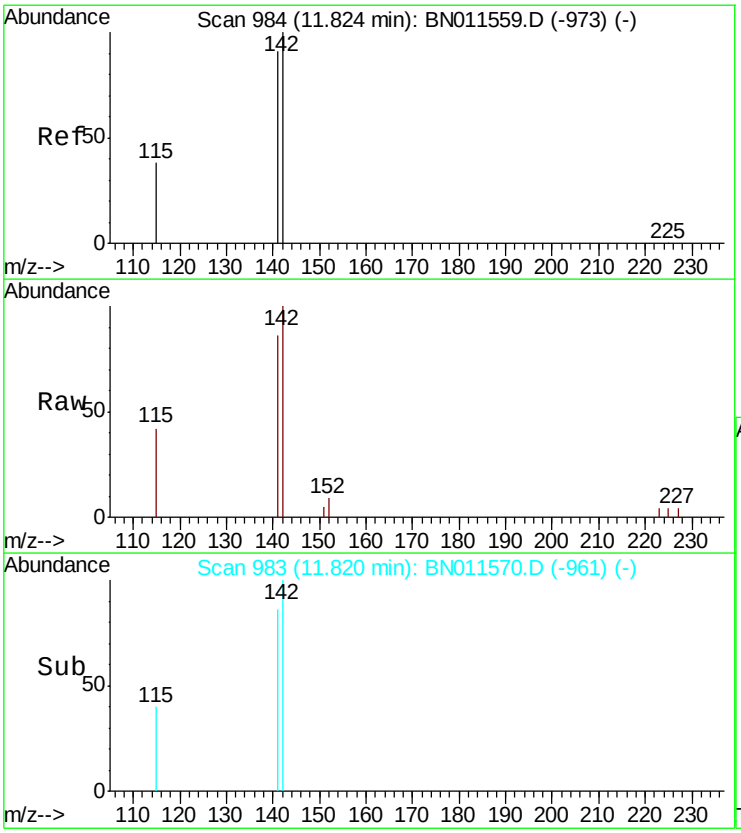
#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 11.74 min Scan# 965
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:152 Resp: 2796

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	24.8

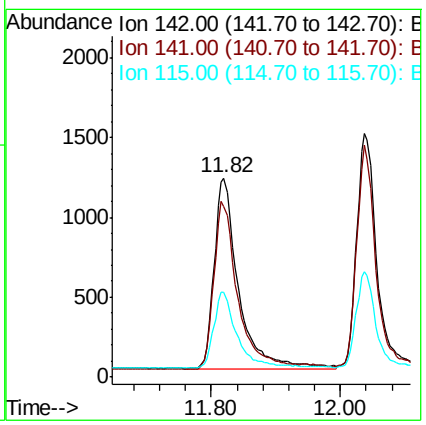


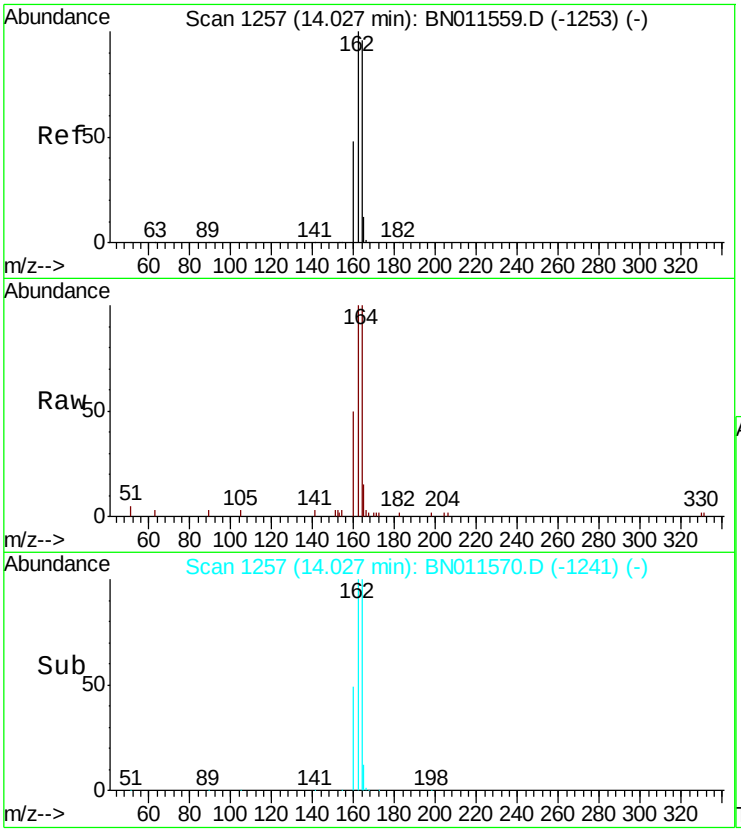


#12
2-Methylnaphthalene
Concen: 0.380 ng
RT: 11.82 min Scan# 983
Delta R.T. -0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:142 Resp: 3148

Ion	Ratio	Lower	Upper
142	100		
141	85.9	73.0	109.6
115	42.4	33.4	50.0



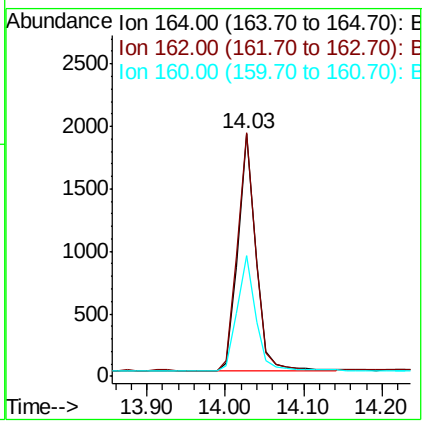


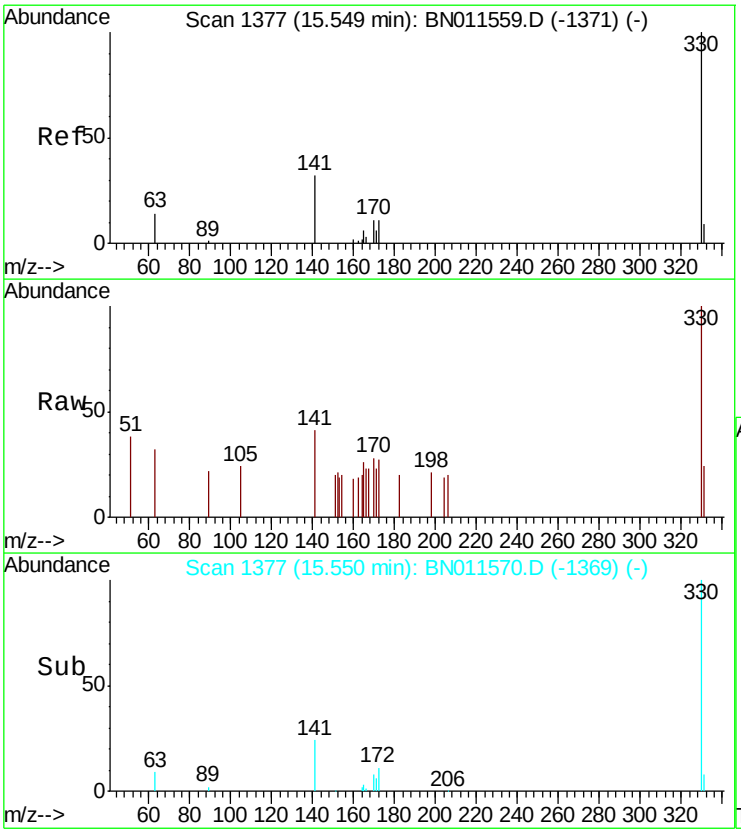
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:164 Resp: 2985

Ion	Ratio	Lower	Upper
164	100		
162	100.4	83.7	125.5
160	50.1	41.1	61.7

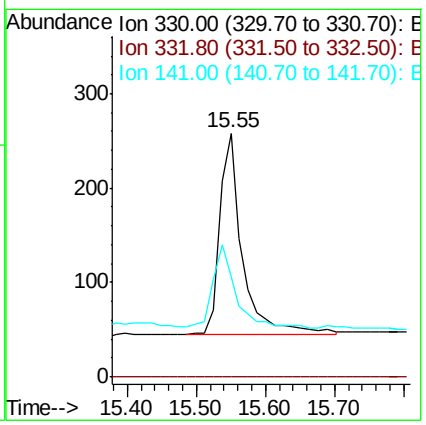


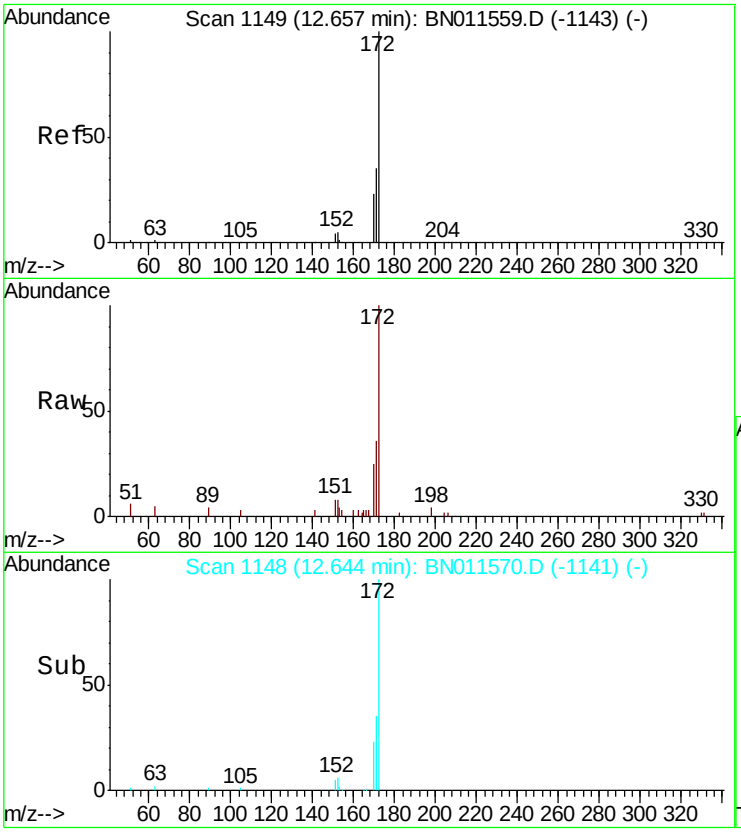


#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.55 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:330 Resp: 489

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.9	34.6	52.0



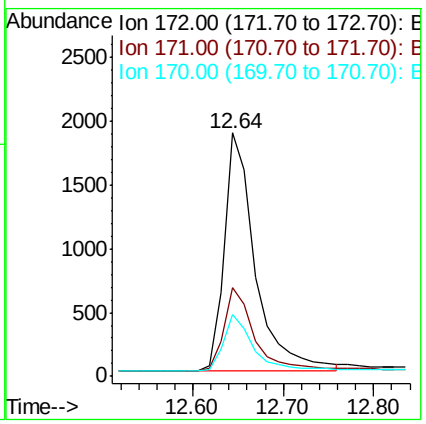


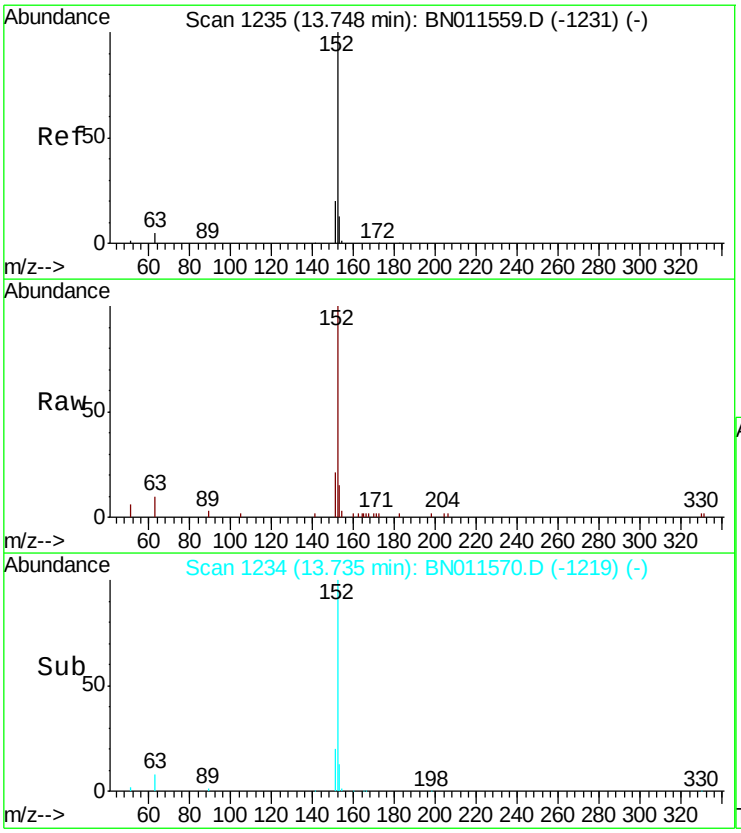
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.64 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:172 Resp: 4412

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	25.2	20.1	30.1

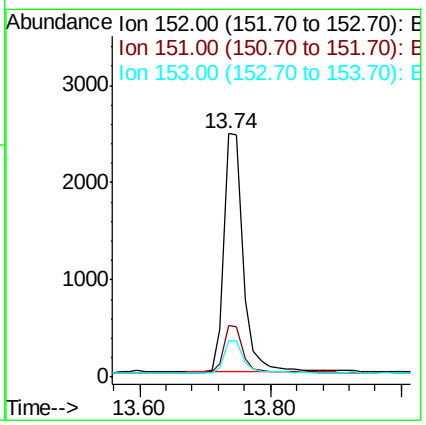


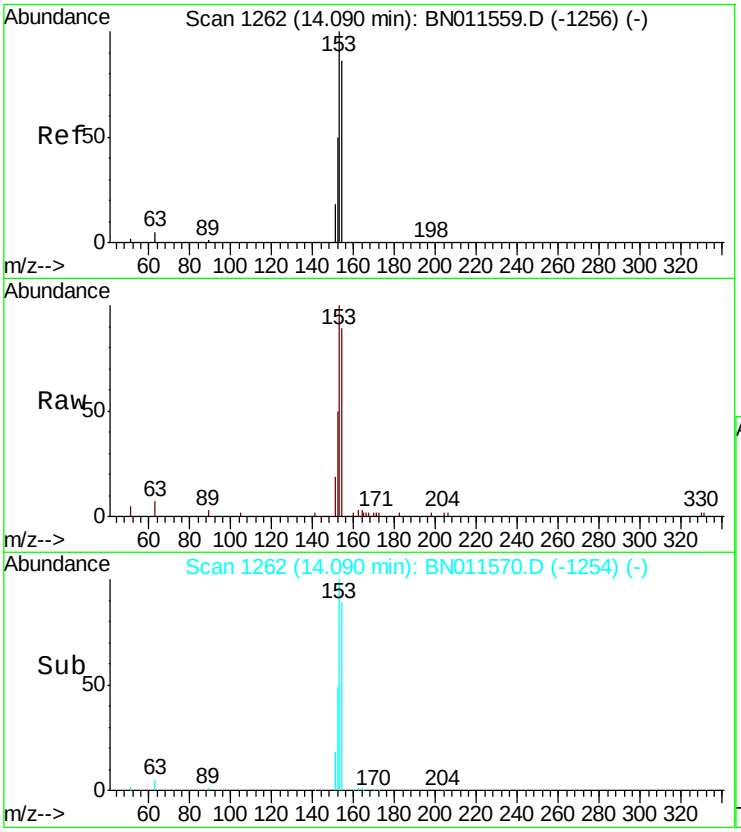


#16
Acenaphthylene
Concen: 0.334 ng
RT: 13.74 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:152 Resp: 5071

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.4	10.6	16.0



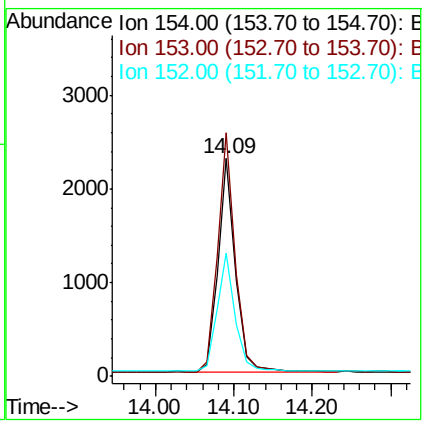


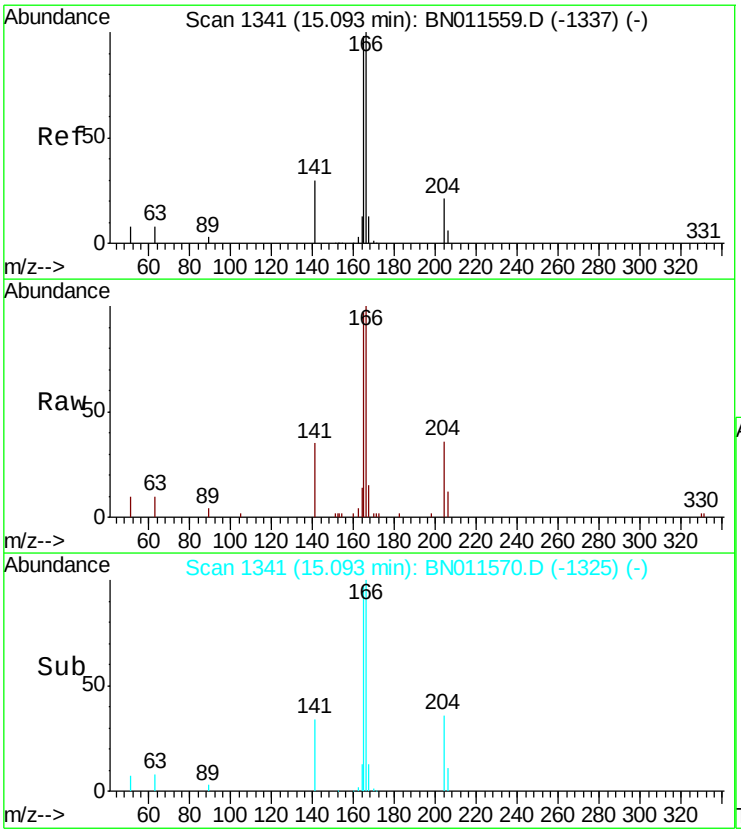
#17
Acenaphthene
Concen: 0.354 ng
RT: 14.09 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:154 Resp: 3523

Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.8	137.8
152	57.5	46.3	69.5

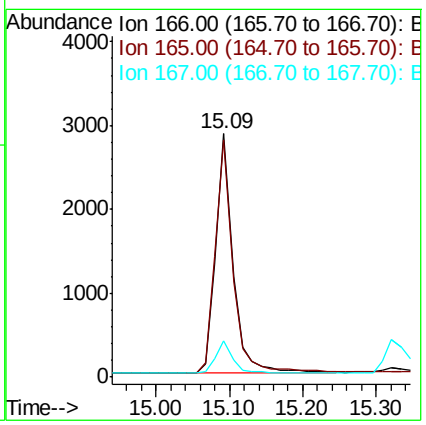


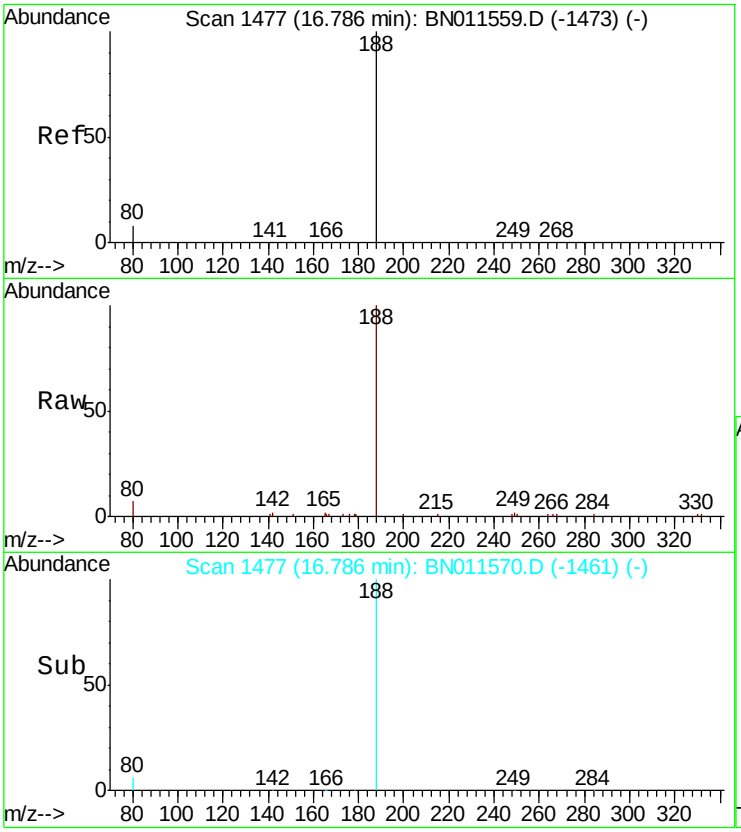


#18
Fluorene
Concen: 0.358 ng
RT: 15.09 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:166 Resp: 4721

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.2
167	13.4	10.7	16.1



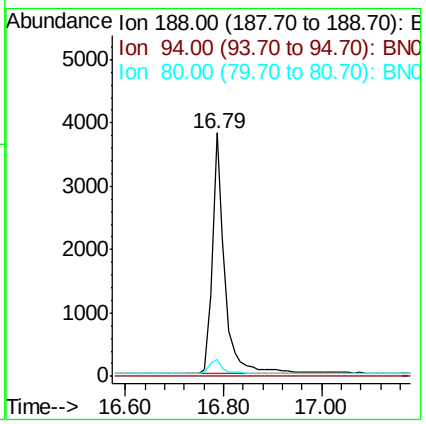


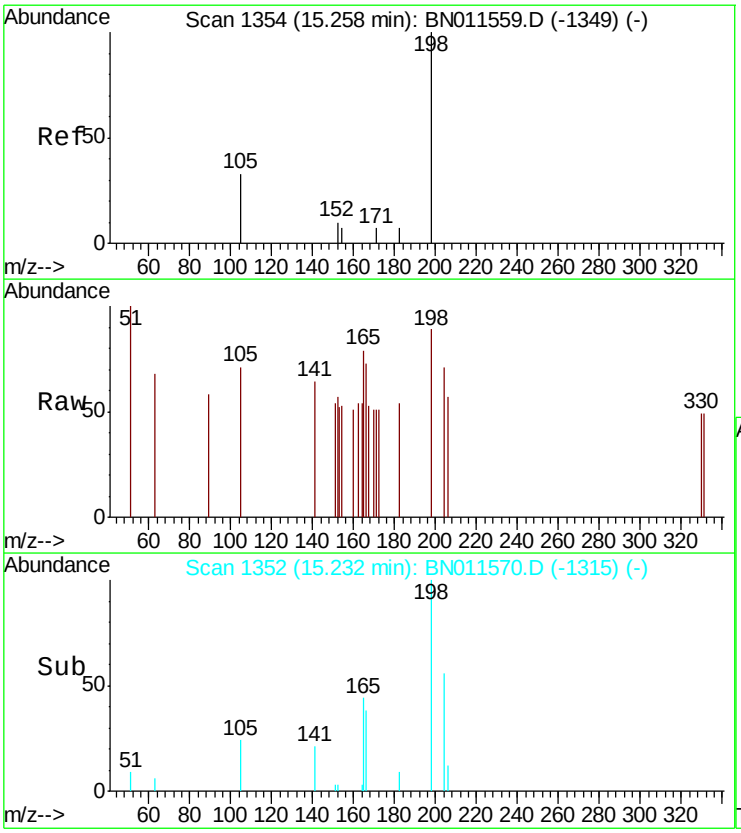
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:188 Resp: 6667

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	7.6	11.4#

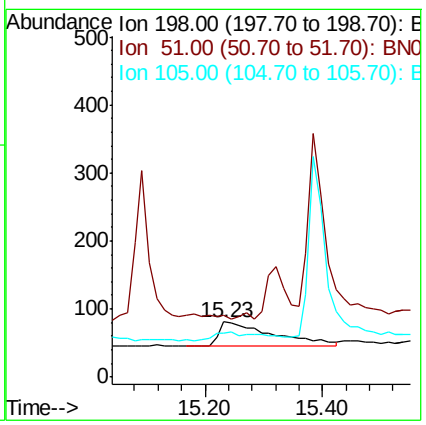


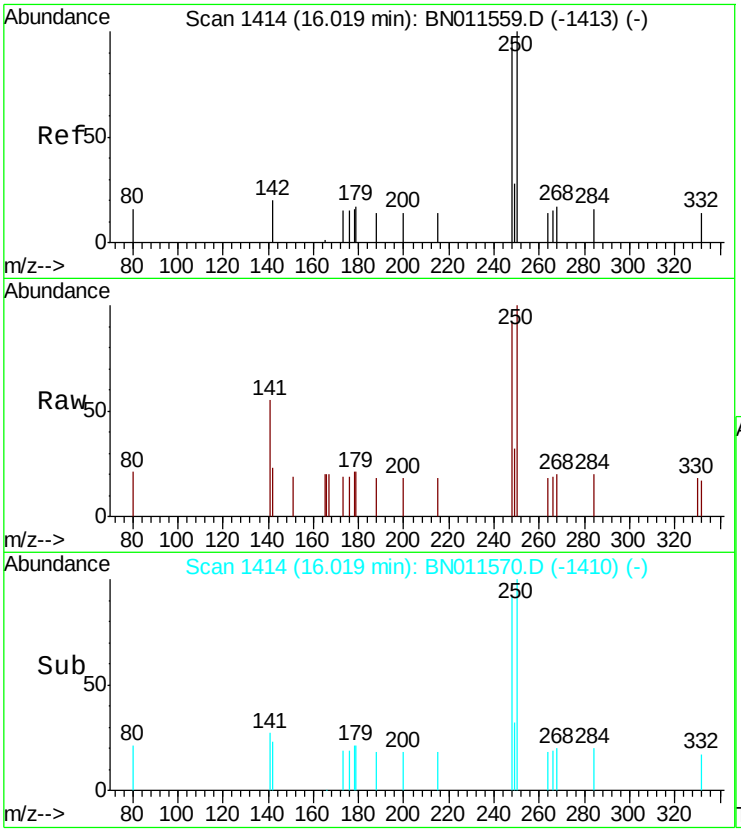


#20
4,6-Dinitro-2-methylphenol
Concen: 0.354 ng
RT: 15.23 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:198 Resp: 237

Ion	Ratio	Lower	Upper
198	100		
51	112.3	89.4	134.2
105	80.2	70.6	105.8



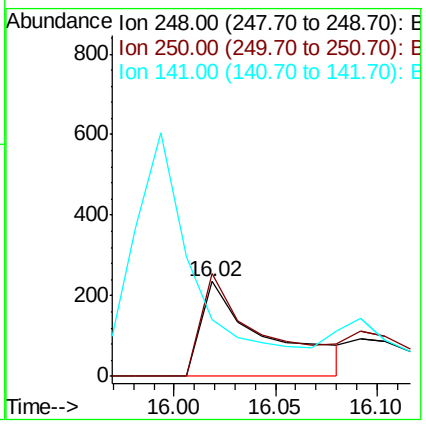


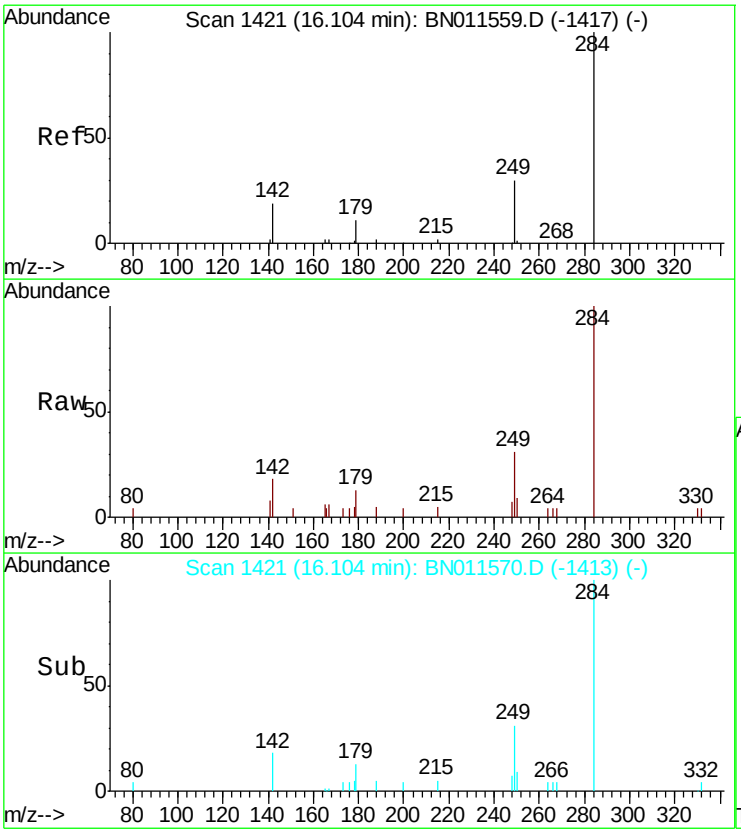
#21
4-Bromophenyl-phenylether
Concen: 0.359 ng
RT: 16.02 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:248 Resp: 523

Ion	Ratio	Lower	Upper
248	100		
250	108.5	83.8	125.8
141	60.2	41.0	61.6

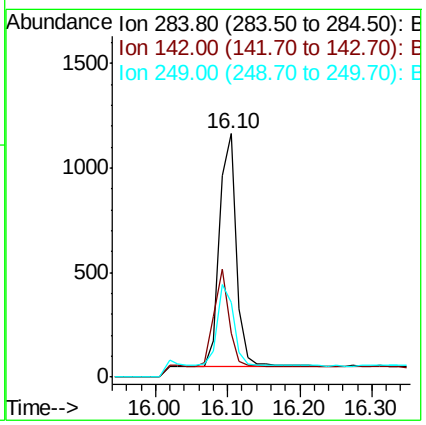


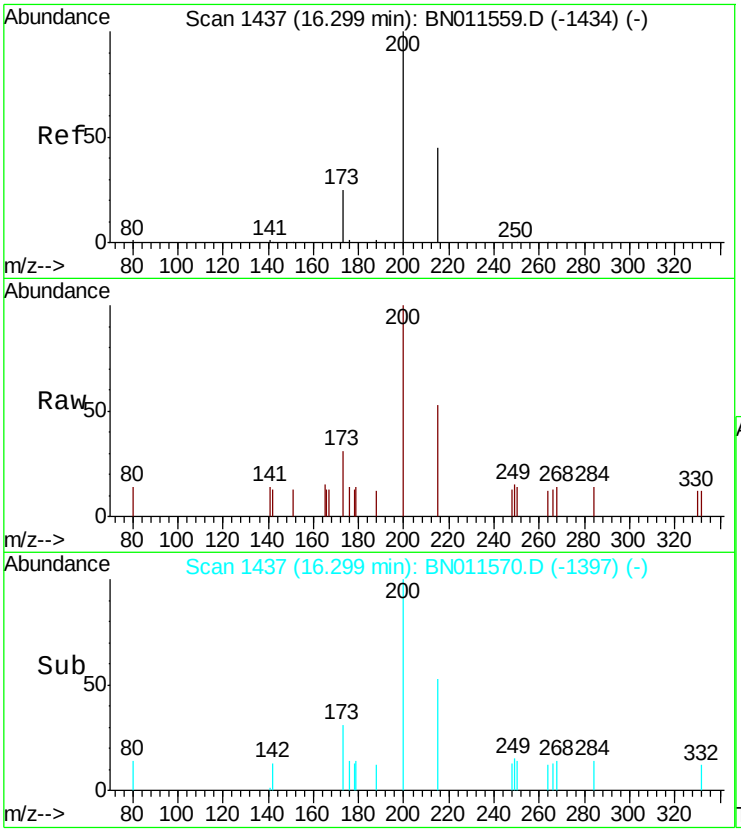


#22
Hexachlorobenzene
Concen: 0.359 ng
RT: 16.10 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:284 Resp: 1847

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.7	44.5
249	34.1	26.8	40.2



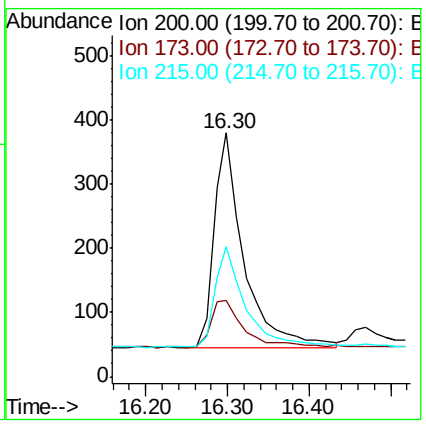


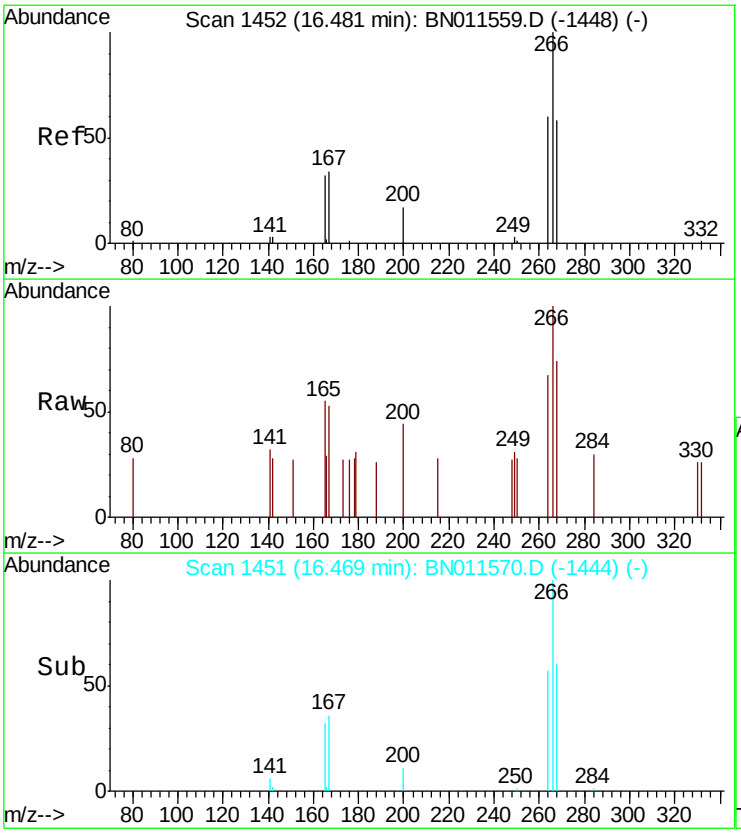
#23
Atrazine
Concen: 0.242 ng
RT: 16.30 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:200 Resp: 841

Ion	Ratio	Lower	Upper
200	100		
173	31.1	27.7	41.5
215	53.3	41.5	62.3

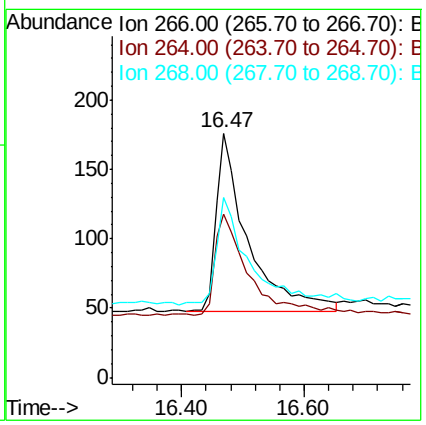


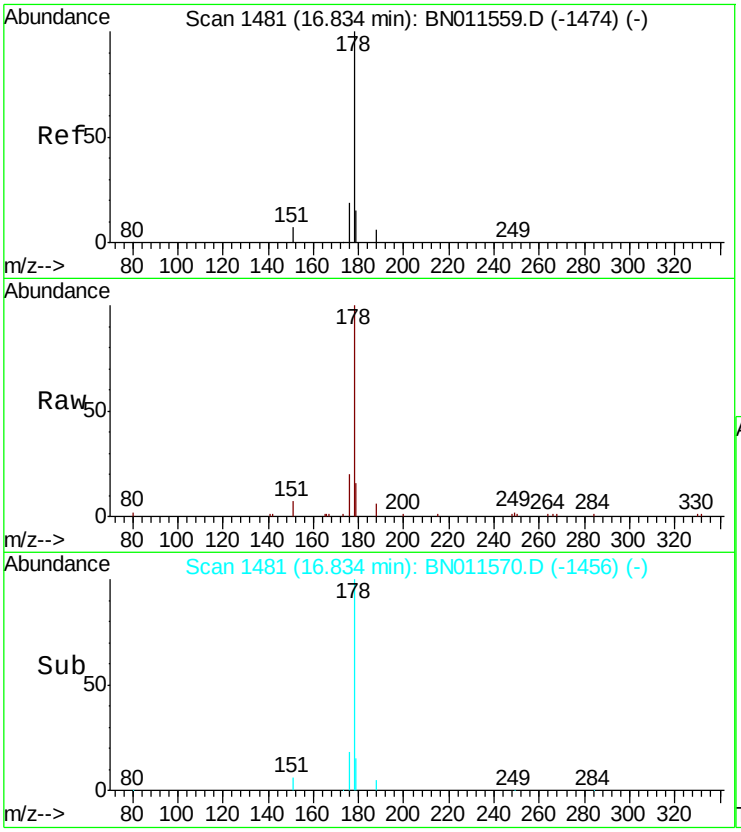


#24
Pentachlorophenol
Concen: 0.287 ng
RT: 16.47 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:266 Resp: 459

Ion	Ratio	Lower	Upper
266	100		
264	63.8	48.7	73.1
268	57.3	51.0	76.6



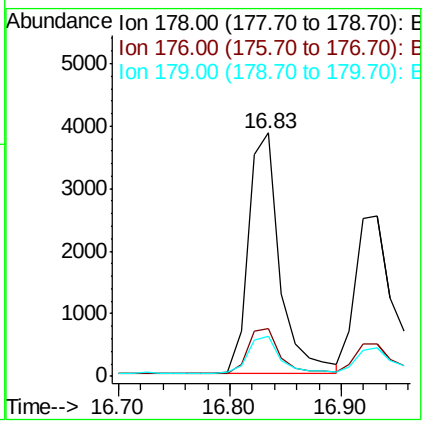


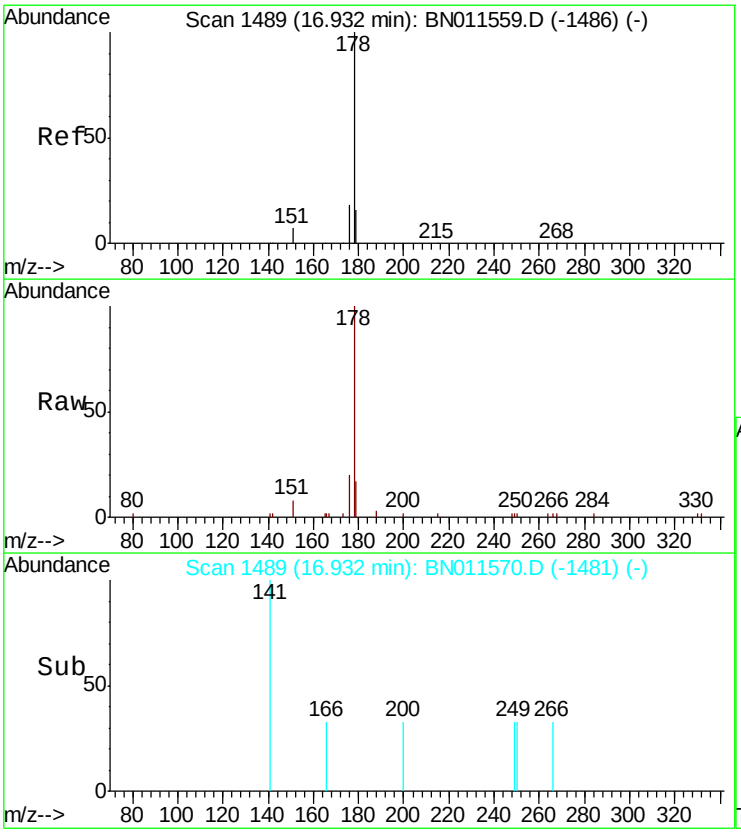
#25
Phenanthrene
Concen: 0.360 ng
RT: 16.83 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:178 Resp: 7562

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.3	18.5

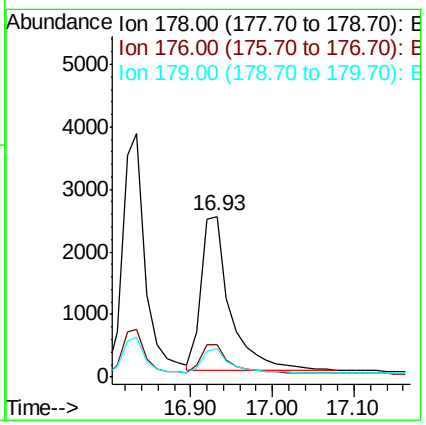


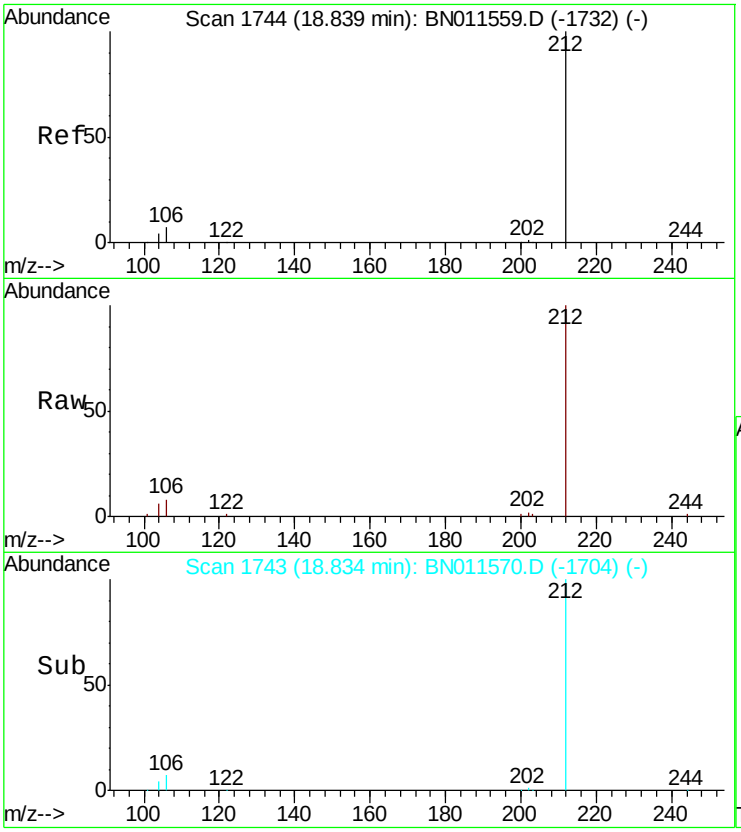


#26
Anthracene
Concen: 0.343 ng
RT: 16.93 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:178 Resp: 6003

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.4	21.6
179	15.2	12.9	19.3



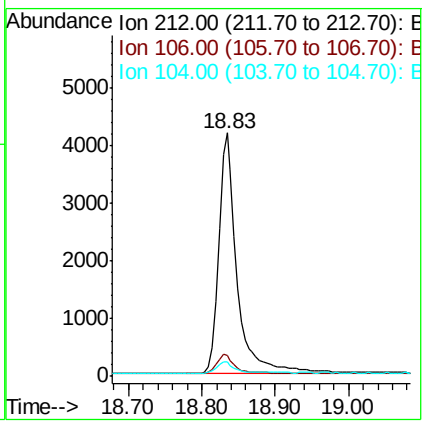


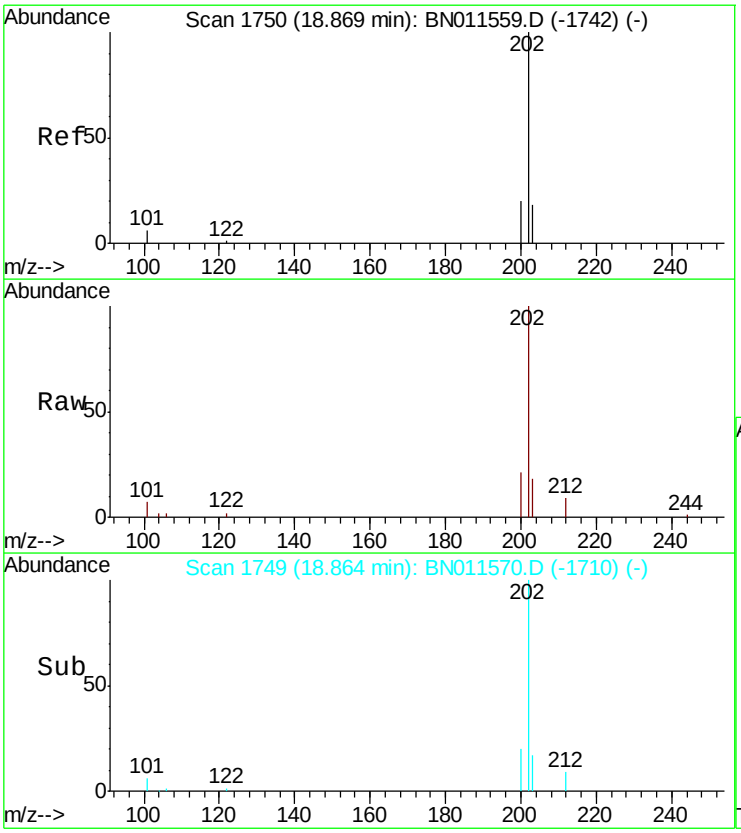
#27
Fluoranthene-d10
Concen: 0.324 ng
RT: 18.83 min Scan# 1743
Delta R.T. -0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:212 Resp: 7283

Ion	Ratio	Lower	Upper
212	100		
106	7.6	6.2	9.2
104	4.3	3.8	5.6

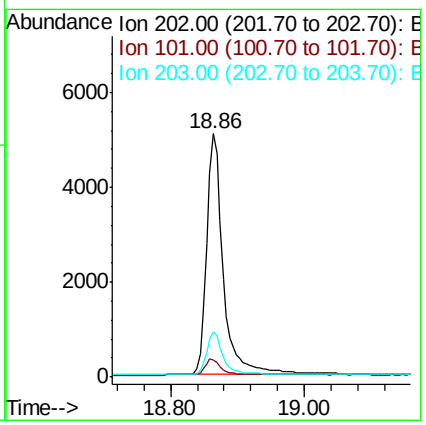


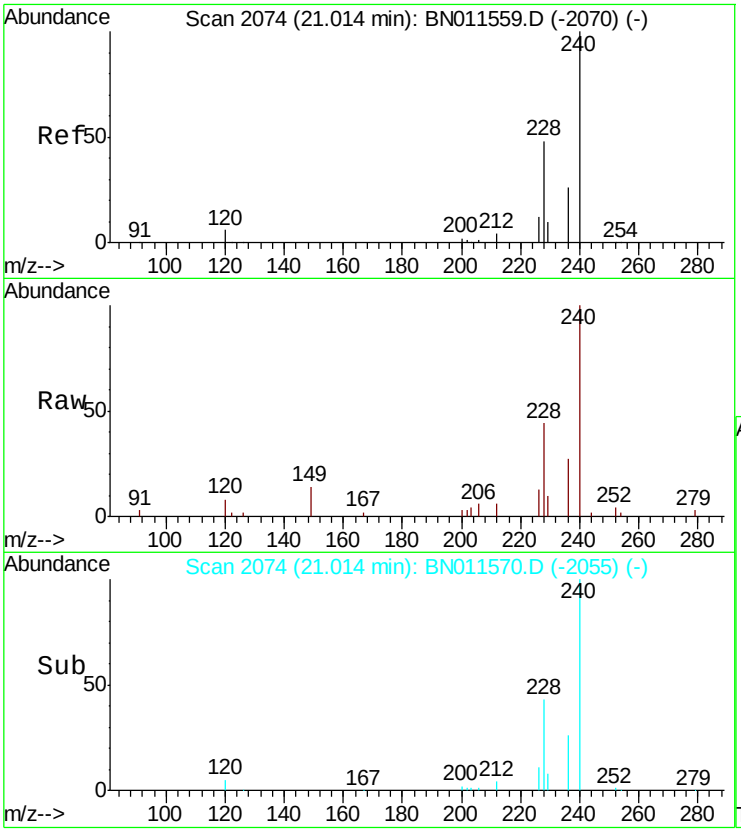


#28
Fluoranthene
Concen: 0.327 ng
RT: 18.86 min Scan# 1749
Delta R.T. -0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:202 Resp: 8822

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	17.0	13.6	20.4



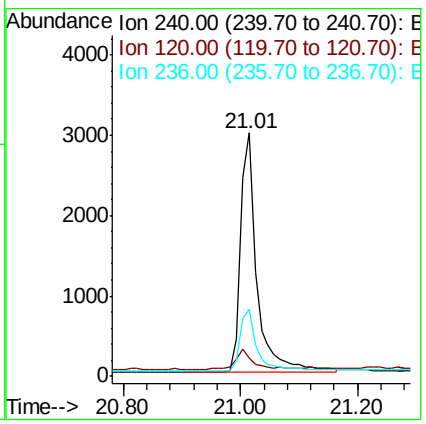


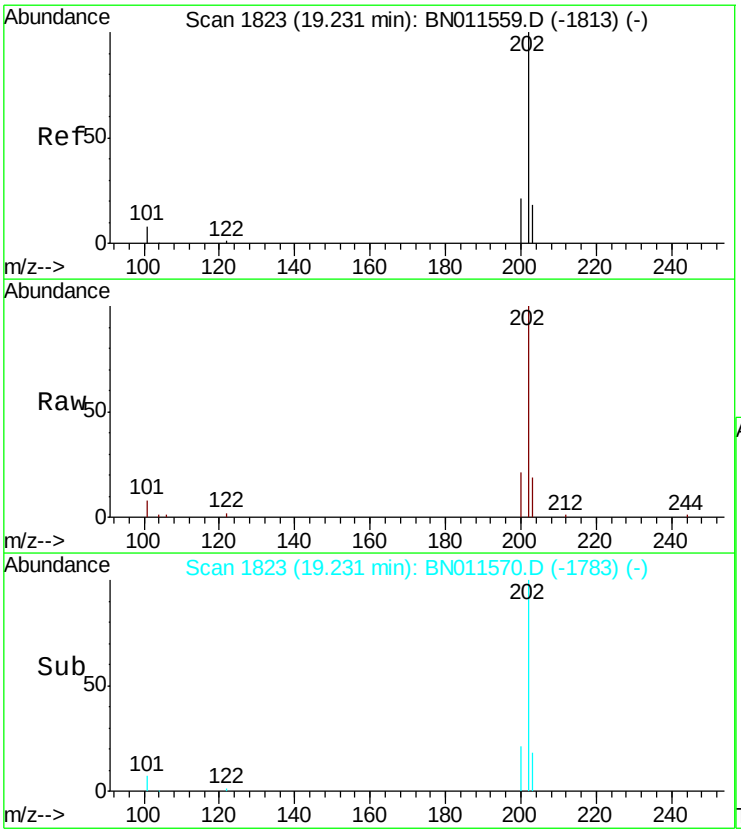
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.01 min Scan# 2074
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:240 Resp: 5777

Ion	Ratio	Lower	Upper
240	100		
120	7.7	7.4	11.0
236	27.3	22.3	33.5

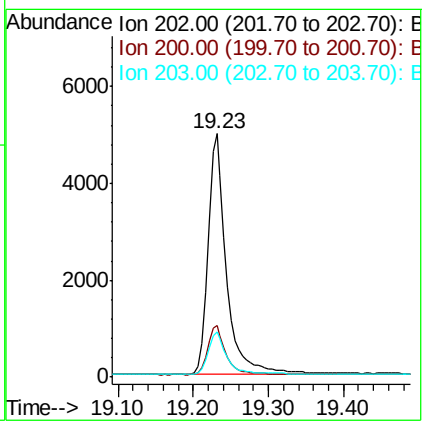


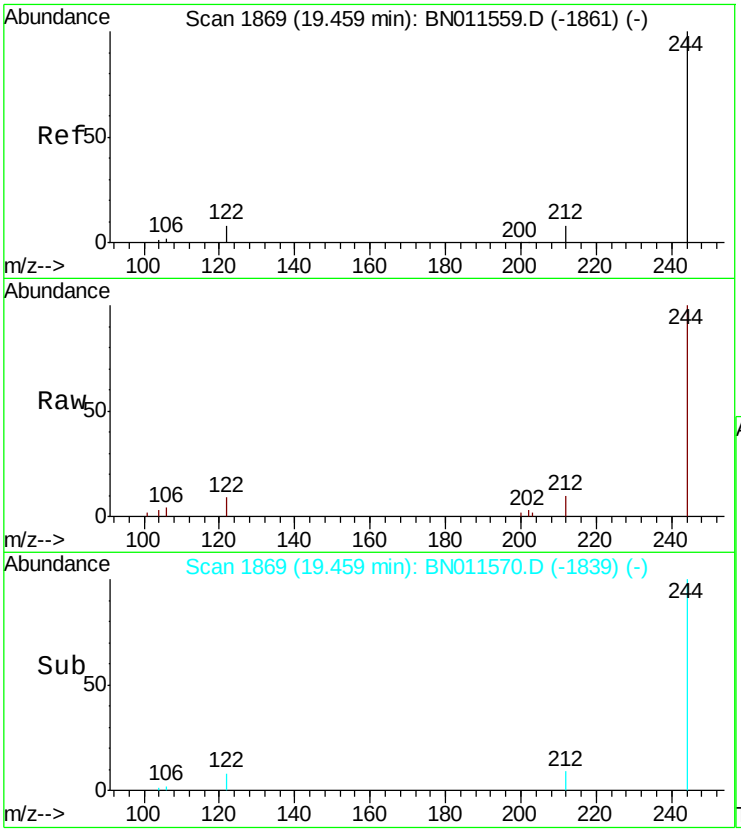


#30
Pyrene
Concen: 0.376 ng
RT: 19.23 min Scan# 1823
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:202 Resp: 8638

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	17.6	14.2	21.2



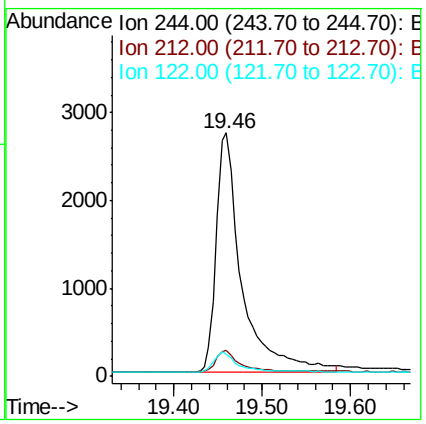


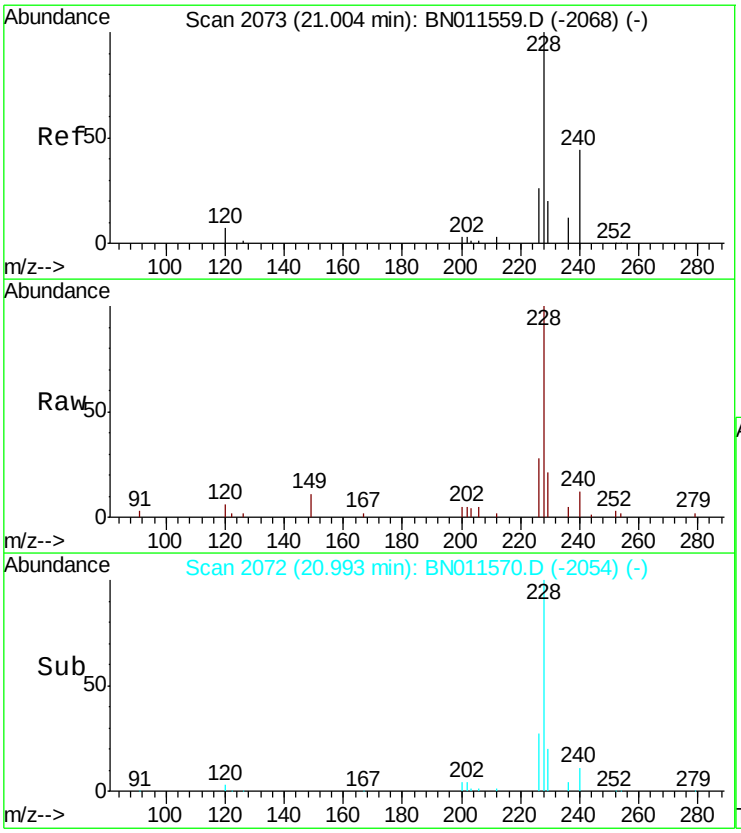
#31
Terphenyl-d14
Concen: 0.366 ng
RT: 19.46 min Scan# 1869
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:244 Resp: 5519

Ion	Ratio	Lower	Upper
244	100		
212	10.5	8.2	12.4
122	9.3	8.0	12.0

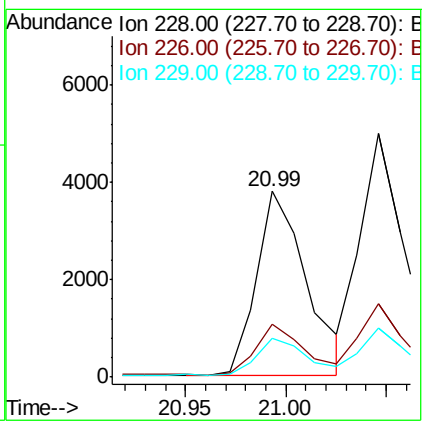


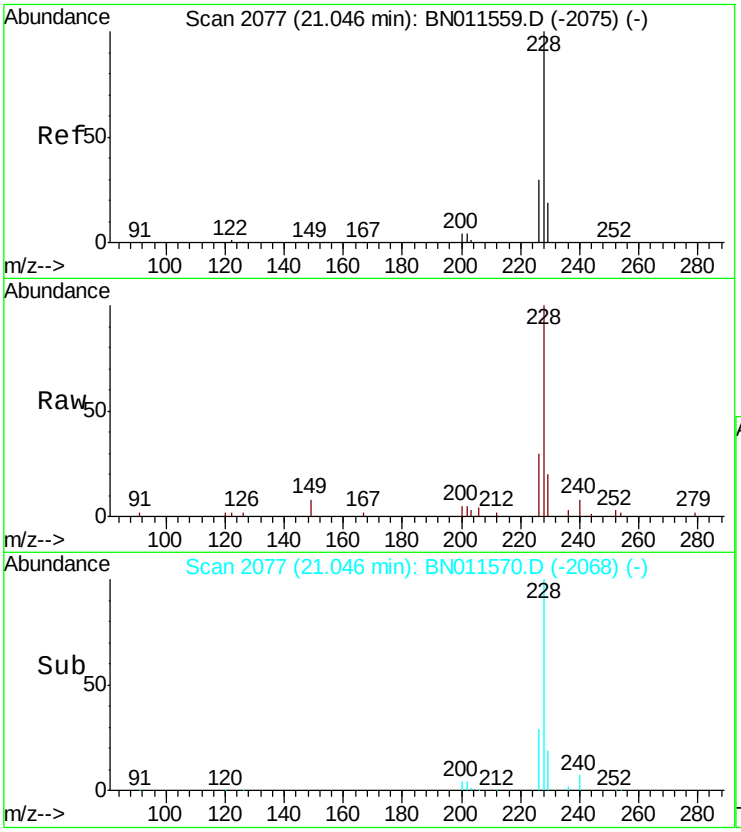


#32
Benzo(a)anthracene
Concen: 0.342 ng
RT: 20.99 min Scan# 2072
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:228 Resp: 6494

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.2
229	20.7	16.9	25.3



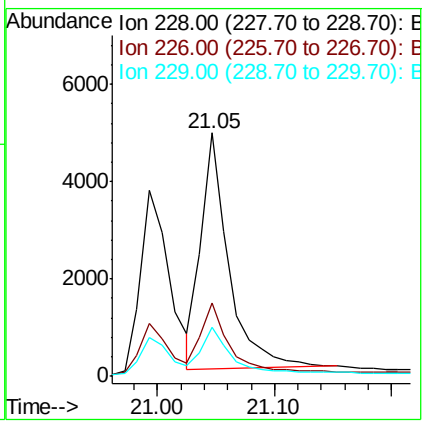


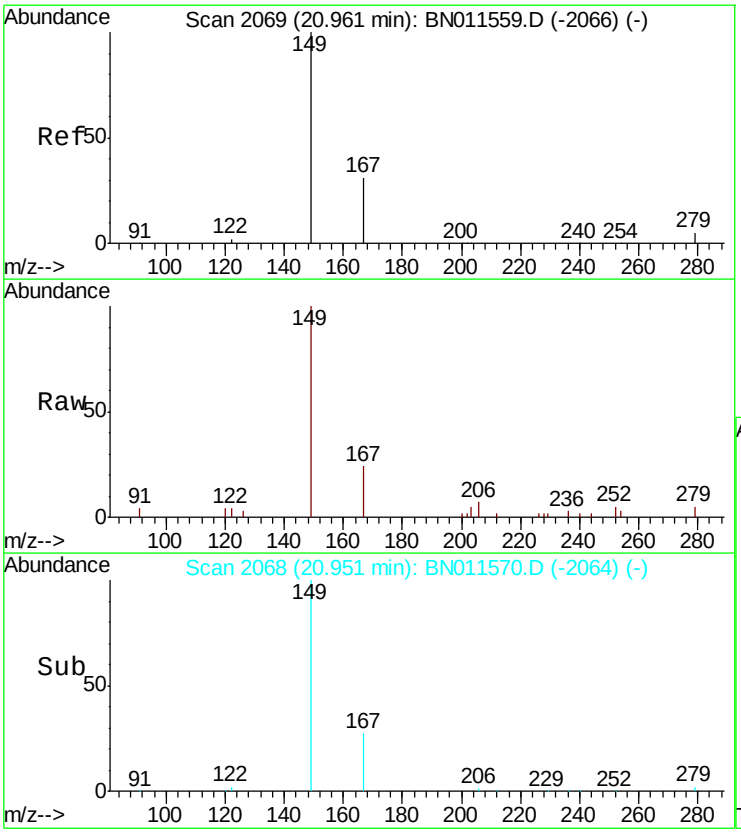
#33
Chrysene
Concen: 0.372 ng
RT: 21.05 min Scan# 2077
Delta R.T. 0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:228 Resp: 8034

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	20.1	16.2	24.2

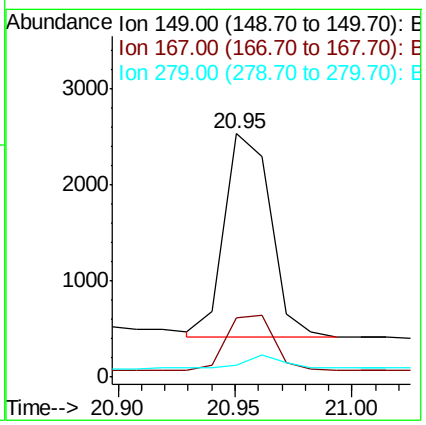


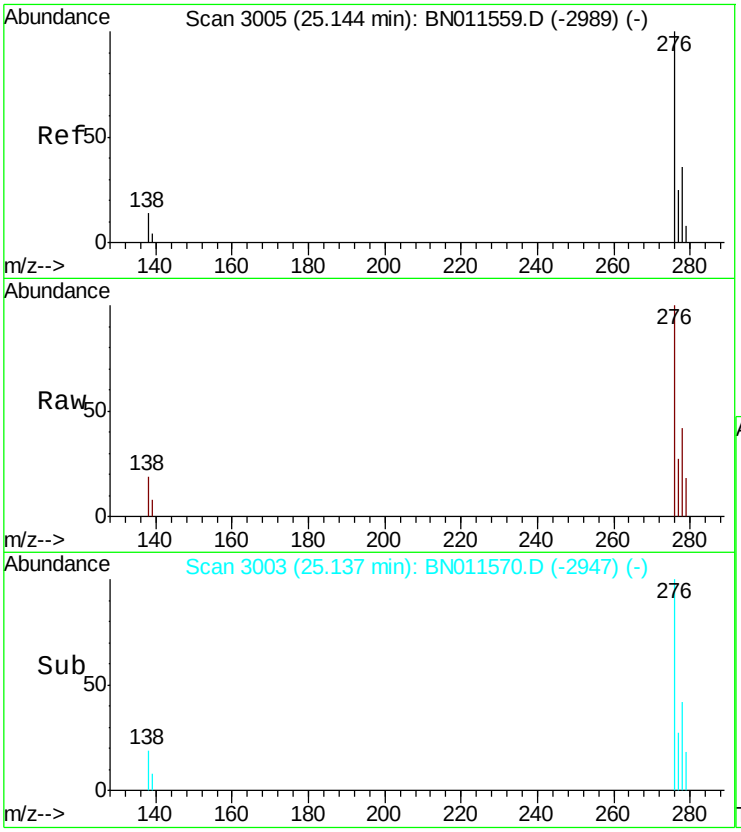


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.336 ng
RT: 20.95 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:149 Resp: 2891

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.8	34.2
279	4.9	4.2	6.2



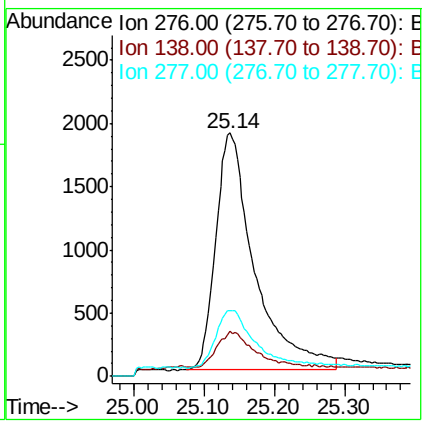


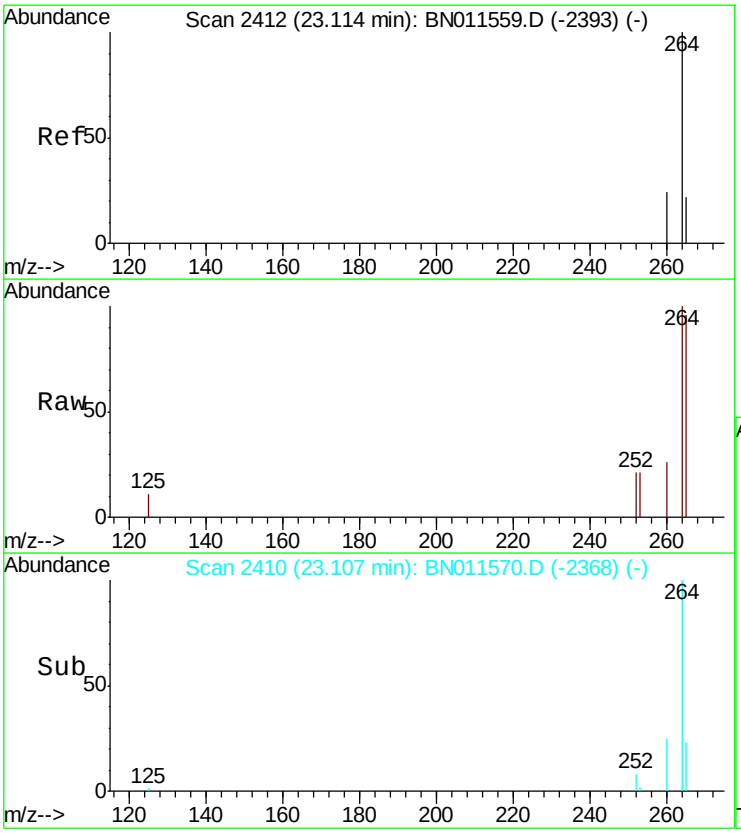
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.369 ng
RT: 25.14 min Scan# 3003
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:276 Resp: 7234

Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.6	17.4
277	24.3	18.2	27.4

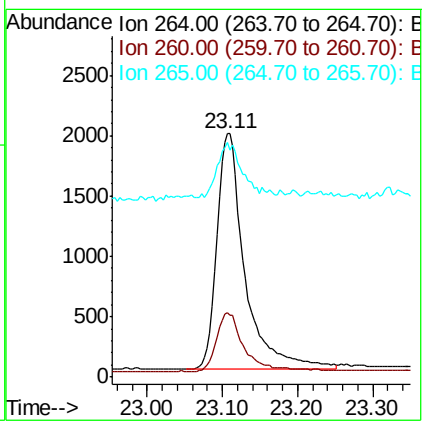


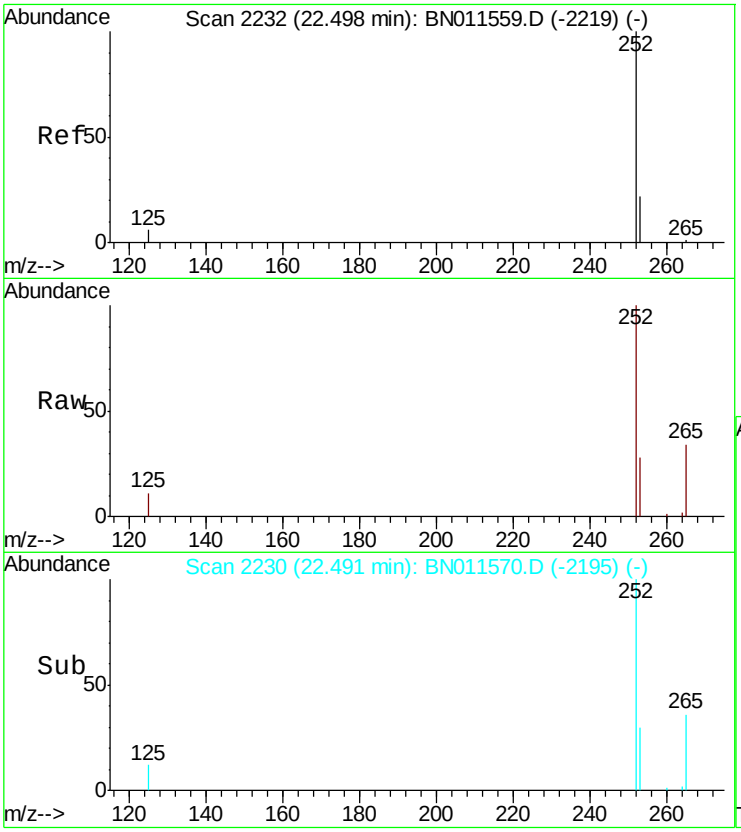


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.11 min Scan# 2410
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:264 Resp: 5015

Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.3	30.5
265	96.1	96.1	144.1



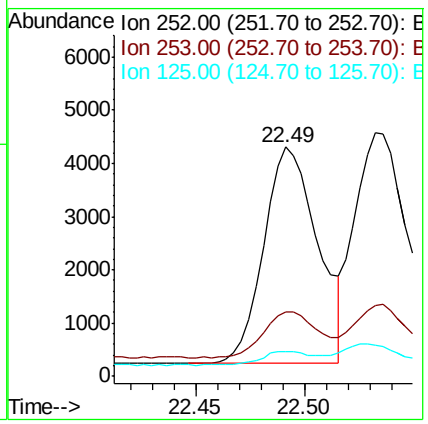


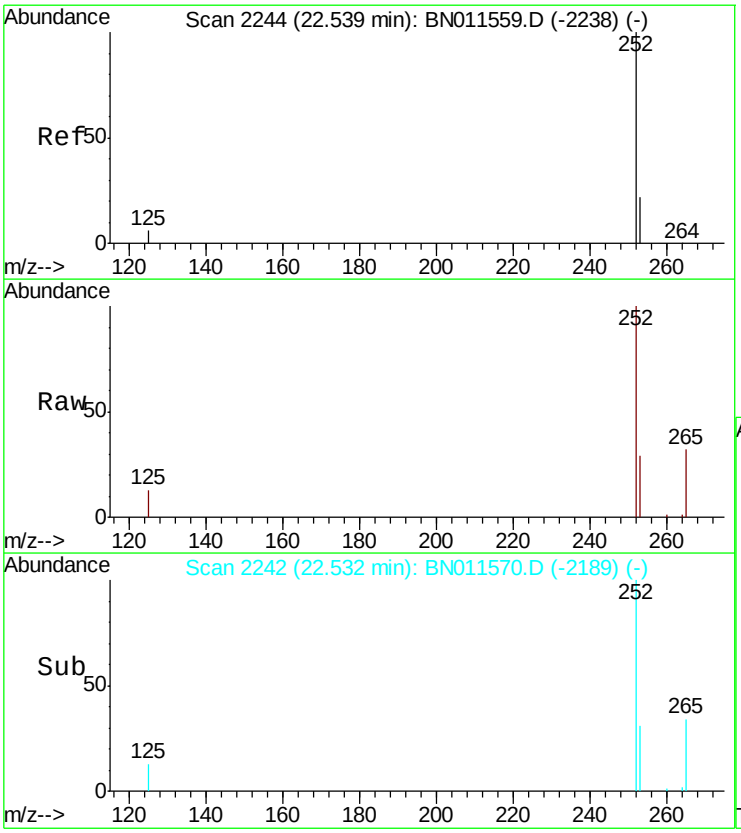
#37
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 22.49 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:252 Resp: 6986

Ion	Ratio	Lower	Upper
252	100		
253	28.3	25.5	38.3
125	10.9	10.2	15.4

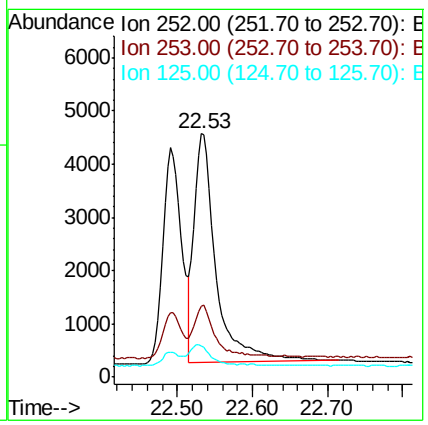


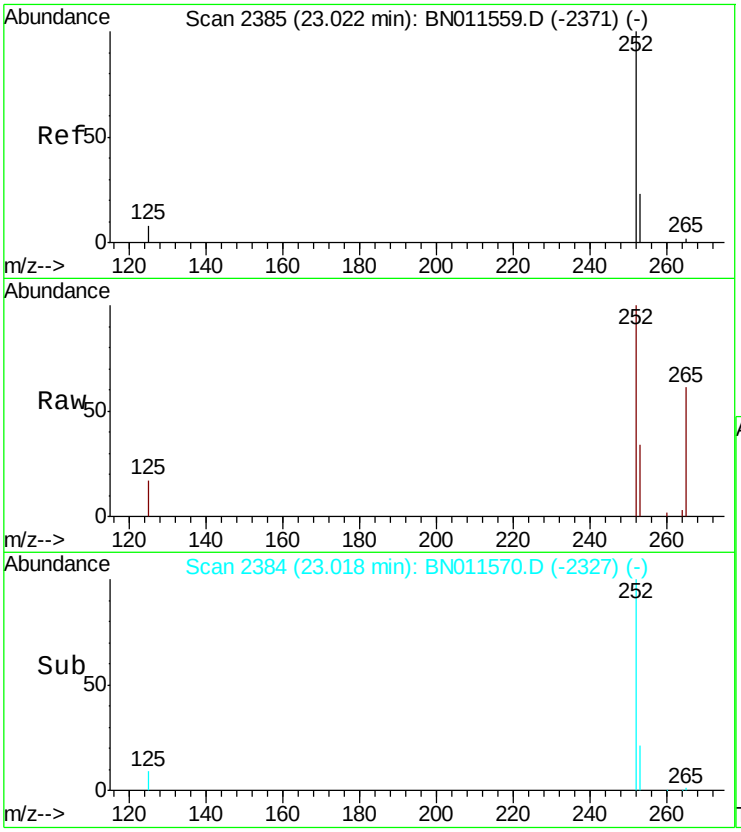


#38
Benzo(k)fluoranthene
Concen: 0.400 ng
RT: 22.53 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:252 Resp: 8843

Ion	Ratio	Lower	Upper
252	100		
253	29.1	25.8	38.6
125	12.5	10.8	16.2



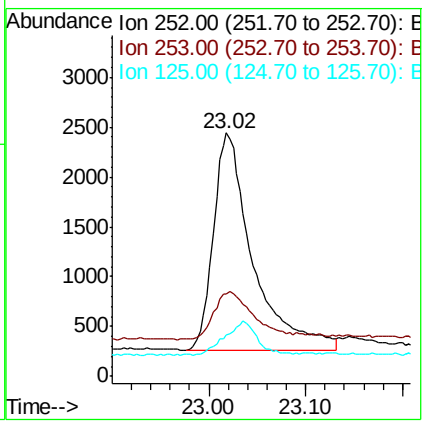


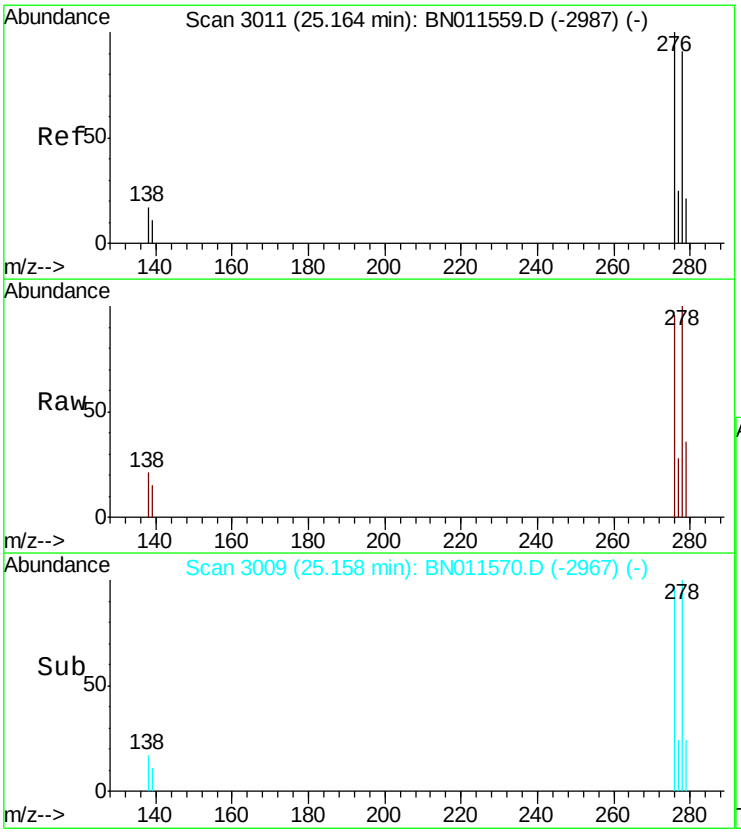
#39
Benzo(a)pyrene
Concen: 0.358 ng
RT: 23.02 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:252 Resp: 6133

Ion	Ratio	Lower	Upper
252	100		
253	34.0	31.8	47.8
125	16.9	15.4	23.0

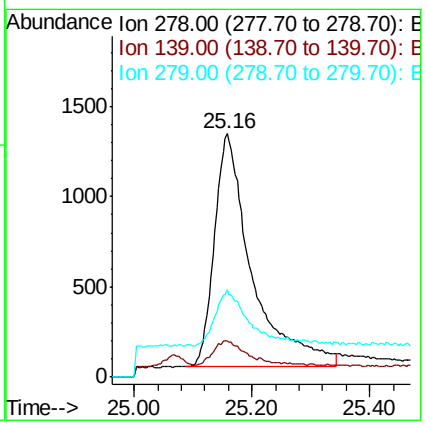


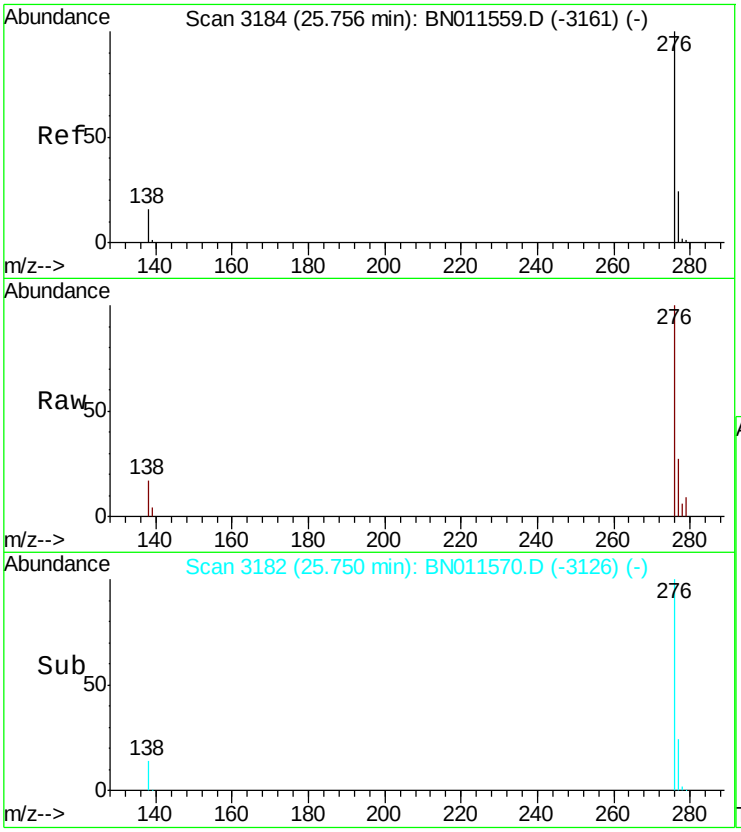


#40
Dibenzo(a,h)anthracene
Concen: 0.400 ng
RT: 25.16 min Scan# 3009
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Tgt Ion:278 Resp: 5735

Ion	Ratio	Lower	Upper
278	100		
139	15.0	14.0	21.0
279	35.9	32.4	48.6





#41
Benzo(g,h,i)perylene
Concen: 0.393 ng
RT: 25.75 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BN011570.D
Acq: 22 Aug 2020 04:16

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:276 Resp: 6724

Ion	Ratio	Lower	Upper
276	100		
277	26.5	22.1	33.1
138	17.1	15.4	23.2