Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\
Data File : BN011620.D
Acq On : 25 Aug 2020 17:48
Operator : CG/JU
Sample : PB131047BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB131047BS

Quant Time: Aug 25 18:29:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 25 03:31:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	2150	0.40	ng		0.00
7) Naphthalene-d8	10.54	136	9066	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	5806	0.40	ng		0.00
19) Phenanthrene-d10	17.14	188	12946	0.40	ng		0.00
29) Chrysene-d12	21.33	240	13664	0.40	ng		0.00
36) Perylene-d12	23.59	264	13937	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	2711	0.39	ng		0.00
5) Phenol-d6	6.92	99	3823	0.39	ng		0.00
8) Nitrobenzene-d5	8.89	82	3278	0.42	ng		-0.01
11) 2-Methylnaphthalene-d10	12.14	152	6689	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	1108	0.35	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	9188	0.41	ng		-0.01
27) Fluoranthene-d10	19.17	212	15900	0.38	ng		0.00
31) Terphenyl-d14	19.78	244	14391	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	1413	0.424	ng	#	1
3) n-Nitrosodimethylamine	3.60	42	1502	0.428	ng	#	94
6) bis(2-Chloroethyl)ether	7.18	93	2902	0.420	ng		97
9) Naphthalene	10.59	128	10226	0.397	ng		94
10) Hexachlorobutadiene	10.88	225	2222	0.412	ng	#	99
12) 2-Methylnaphthalene	12.21	142	7450	0.392	ng		96
16) Acenaphthylene	14.10	152	11186	0.366	ng		99
17) Acenaphthene	14.46	154	7638	0.394	ng		98
18) Fluorene	15.45	166	9505	0.378	ng		98
20) 4,6-Dinitro-2-methylphenol	15.51	198	649	0.435	ng	#	42
21) 4-Bromophenyl-phenylether	16.34	248	2953	0.391	ng	#	81
22) Hexachlorobenzene	16.44	284	3538	0.405	ng		99
23) Atrazine	16.60	200	1984	0.266	ng		94
24) Pentachlorophenol	16.79	266	1331	0.345	ng		97
25) Phenanthrene	17.17	178	15732	0.391	ng		100
26) Anthracene	17.27	178	14638	0.370	ng		99
28) Fluoranthene	19.20	202	18708	0.384	ng		99
30) Pyrene	19.56	202	19060	0.393	ng		99
32) Benzo(a)anthracene	21.31	228	19779	0.401	ng		100
33) Chrysene	21.36	228	19099	0.407	ng		100
34) Bis(2-ethylhexyl)phthalate	21.26	149	9692	0.263	ng		94
35) Indeno(1,2,3-cd)pyrene	25.87	276	23713	0.414	ng	#	100
37) Benzo(b)fluoranthene	22.91	252	20166	0.399	ng		96
38) Benzo(k)fluoranthene	22.96	252	20645	0.411	ng	#	94
39) Benzo(a)pyrene	23.49	252	18577	0.395	ng		97
40) Dibenzo(a,h)anthracene	25.89	278	19756	0.402	ng	#	94
41) Benzo(g,h,i)perylene	26.56	276	19017	0.398	ng		97

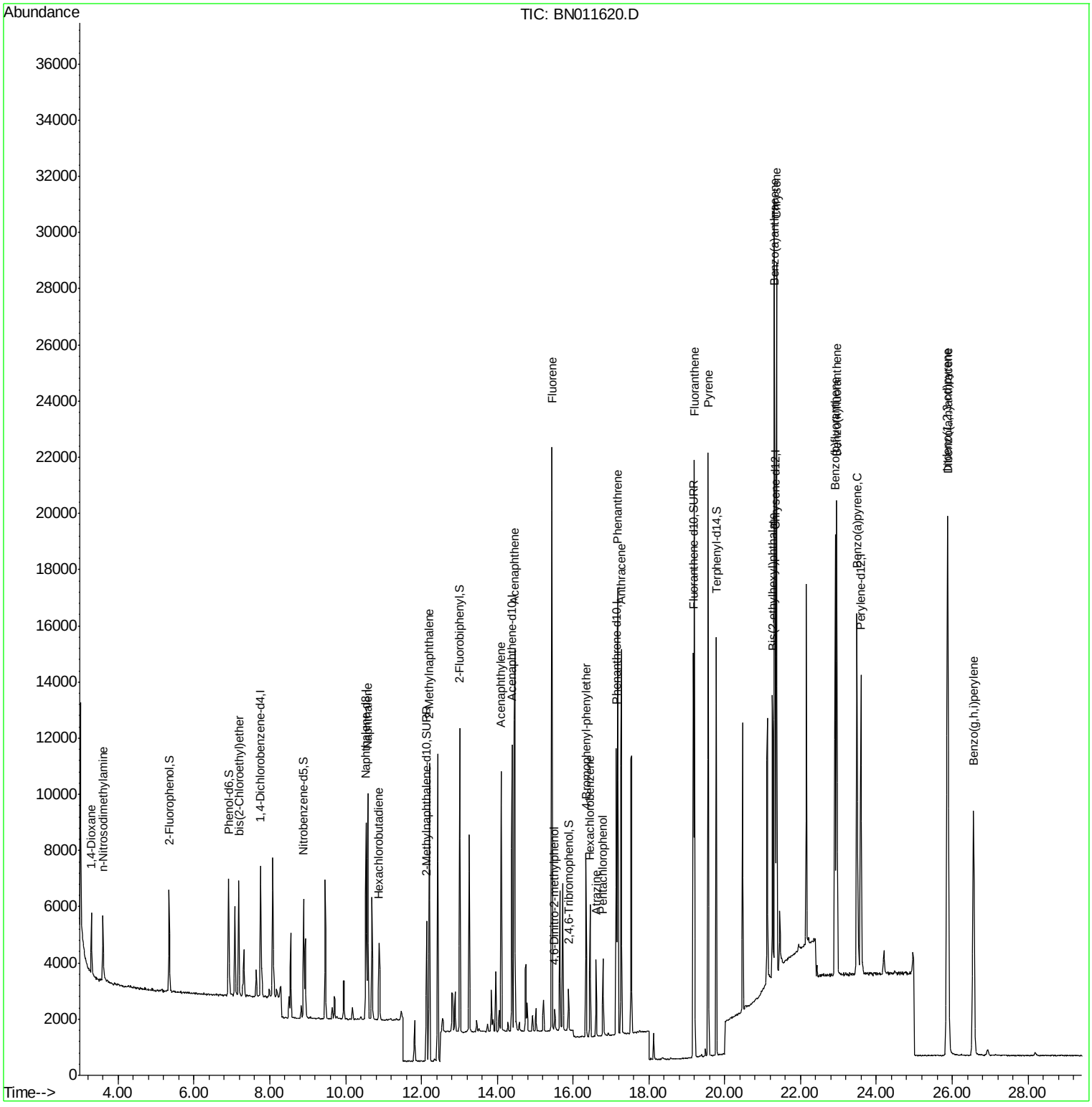
(#) = qualifier out of range (m) = manual integration (+) = signals summed

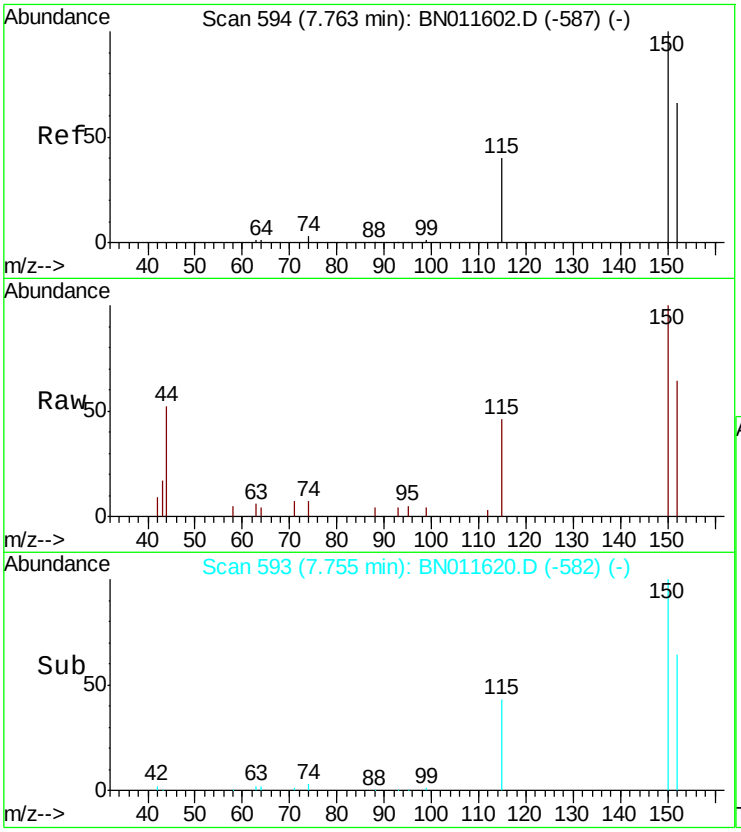
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\
Data File : BN011620.D
Acq On : 25 Aug 2020 17:48
Operator : CG/JU
Sample : PB131047BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Quant Time: Aug 25 18:29:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 25 03:31:11 2020
Response via : Initial Calibration



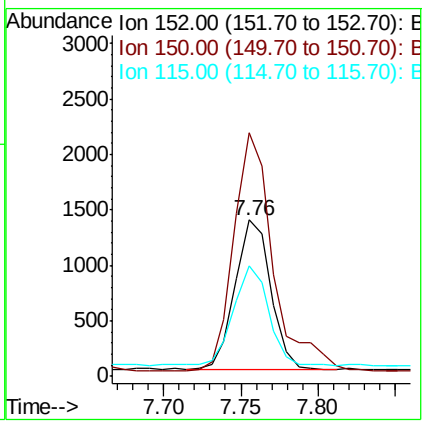


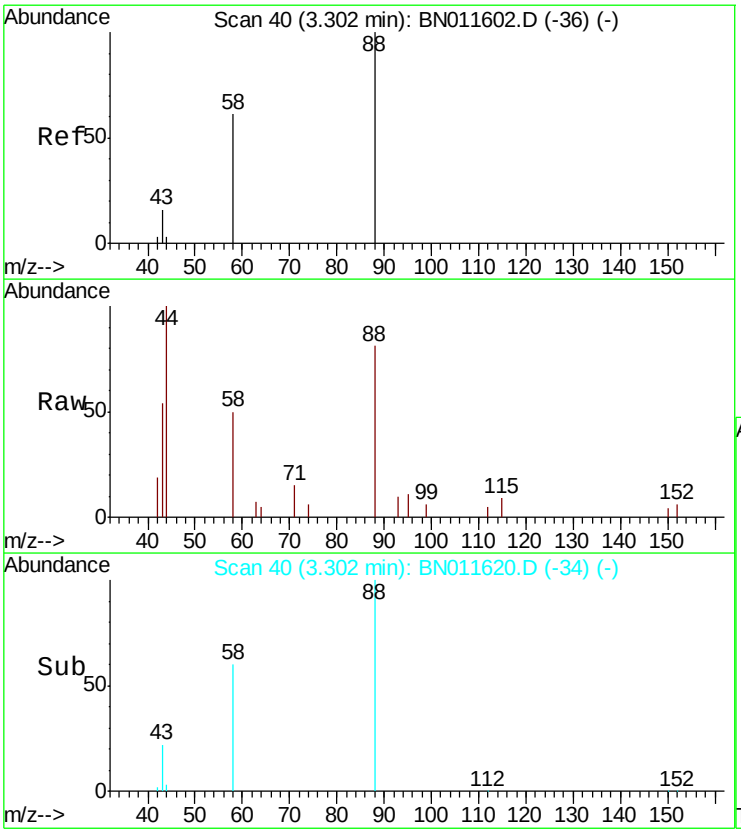
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:152 Resp: 2150

Ion	Ratio	Lower	Upper
152	100		
150	156.0	112.4	168.6
115	71.0	56.9	85.3

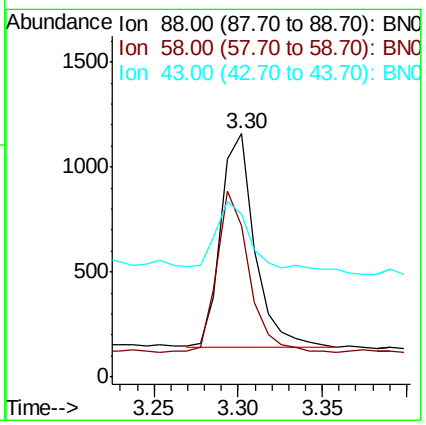


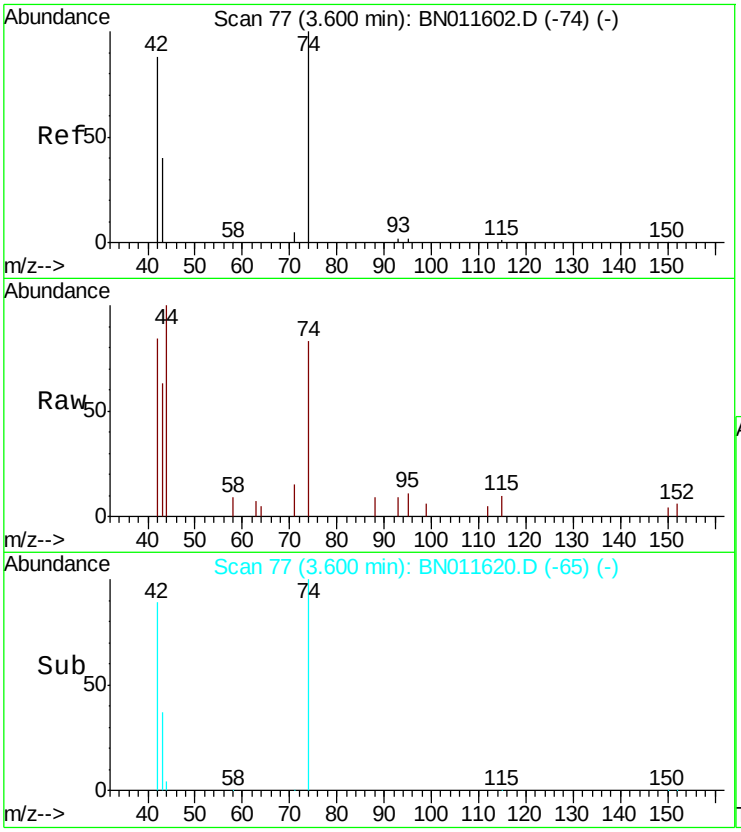


#2
1,4-Dioxane
Concen: 0.424 ng
RT: 3.30 min Scan# 40
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion: 88 Resp: 1413

Ion	Ratio	Lower	Upper
88	100		
58	71.2	3.0	4.4#
43	37.4	0.0	0.0#



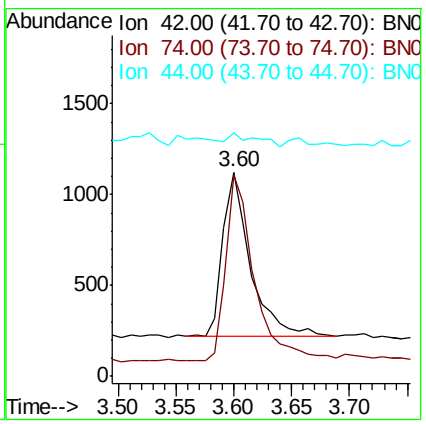


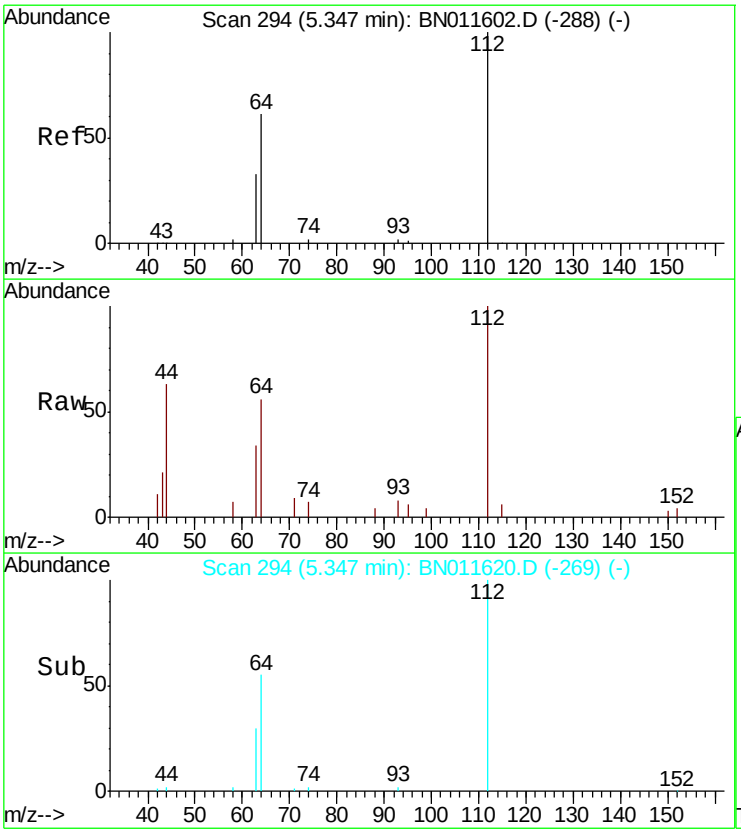
#3
n-Nitrosodimethylamine
Concen: 0.428 ng
RT: 3.60 min Scan# 77
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion: 42 Resp: 1502

Ion	Ratio	Lower	Upper
42	100		
74	116.4	0.0	0.0#
44	8.2	8.2	12.4#

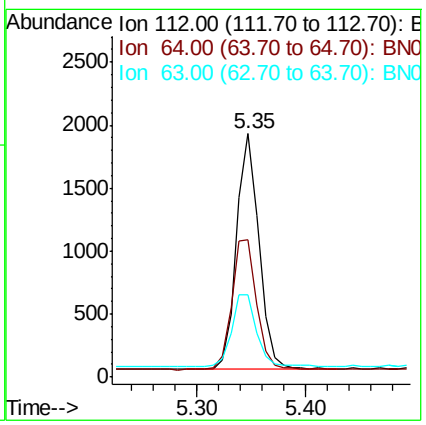


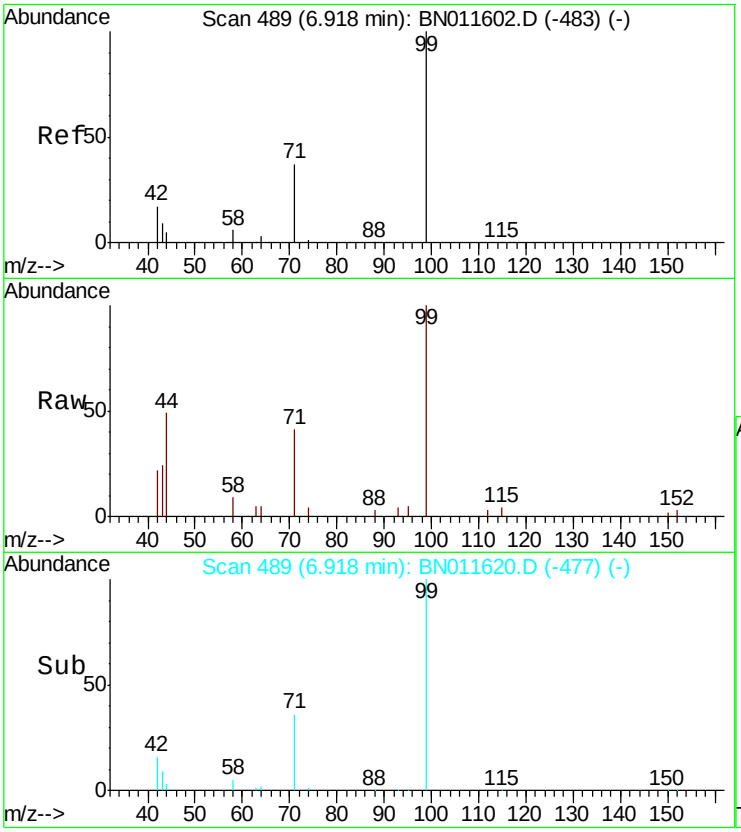


#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.35 min Scan# 294
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:112 Resp: 2711

Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.6	74.4
63	33.5	26.4	39.6



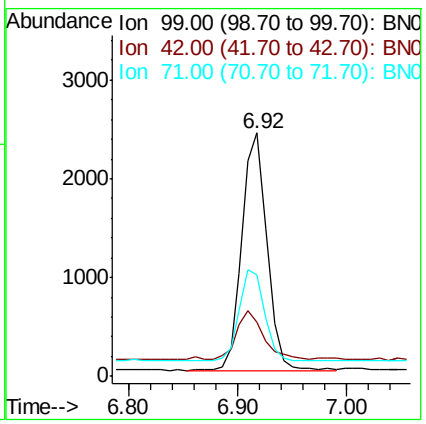


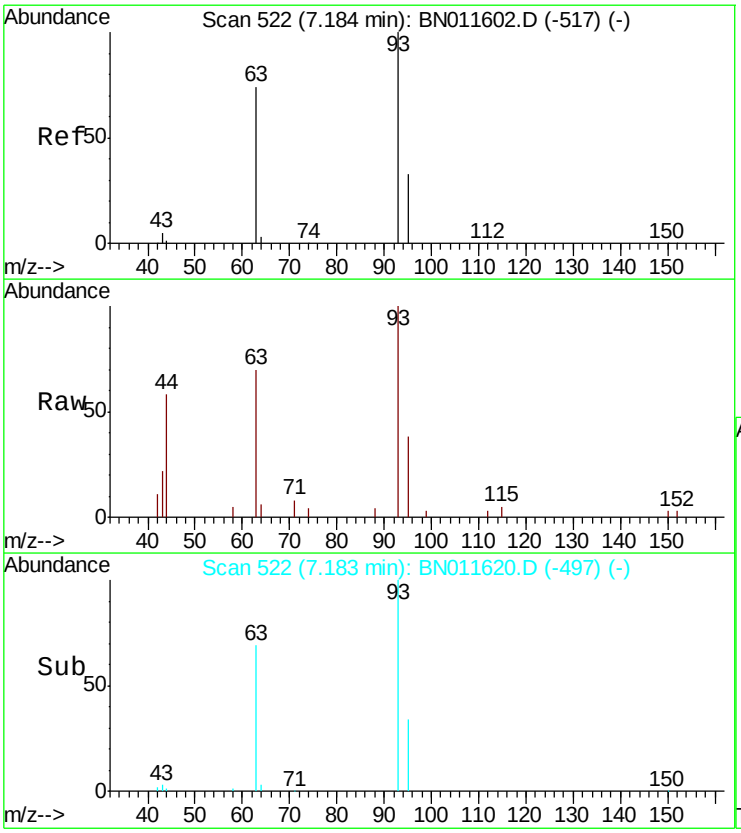
#5
Phenol-d6
Concen: 0.393 ng
RT: 6.92 min Scan# 489
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion: 99 Resp: 3823

Ion	Ratio	Lower	Upper
99	100		
42	21.3	0.0	0.0#
71	39.4	0.0	0.0#

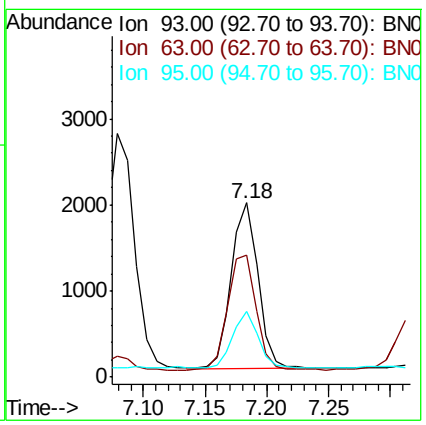


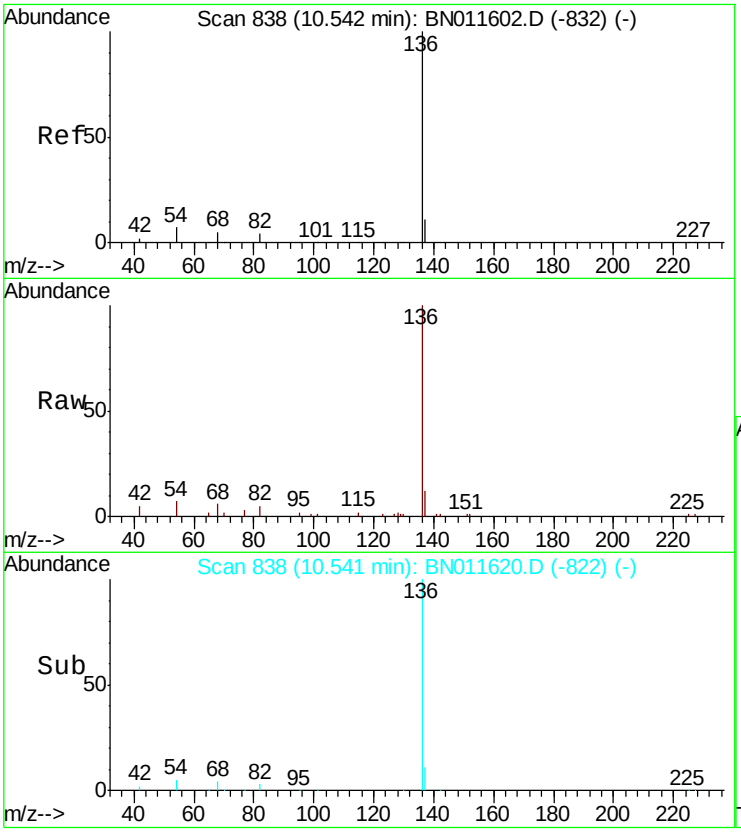


#6
bis(2-Chloroethyl)ether
Concen: 0.420 ng
RT: 7.18 min Scan# 522
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion: 93 Resp: 2902

Ion	Ratio	Lower	Upper
93	100		
63	74.0	57.8	86.8
95	32.6	28.3	42.5



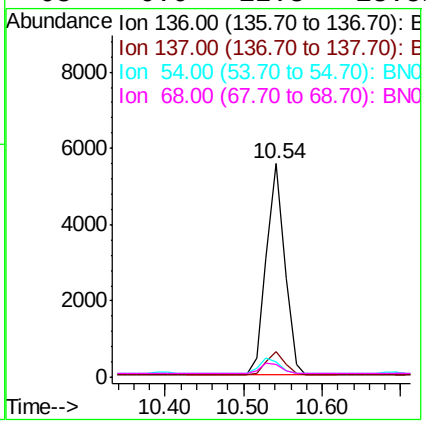


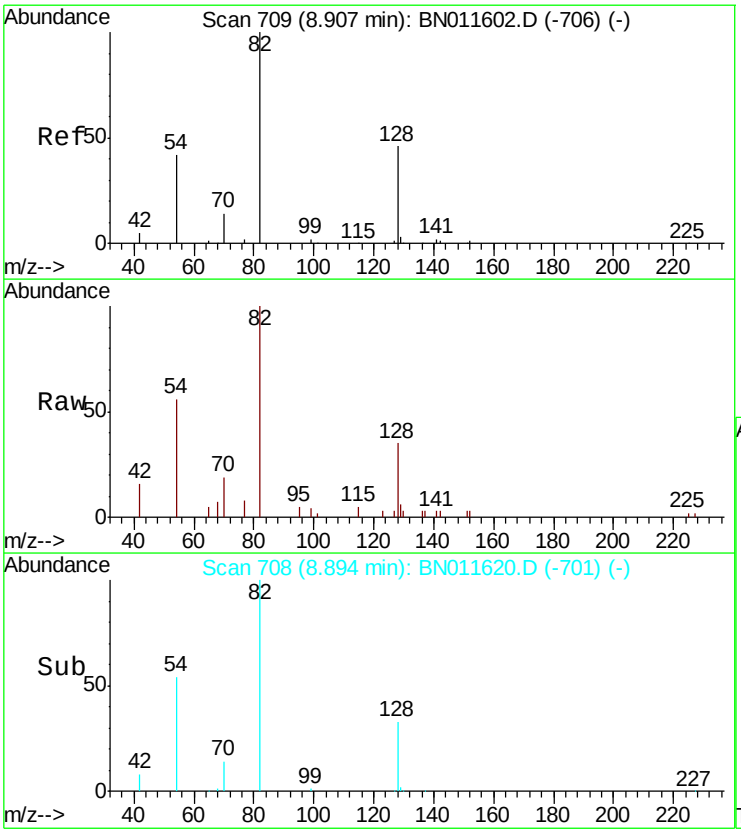
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 838
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:136 Resp: 9066

Ion	Ratio	Lower	Upper
136	100		
137	11.9	11.5	17.3
54	7.1	11.9	17.9#
68	6.0	12.3	18.5#

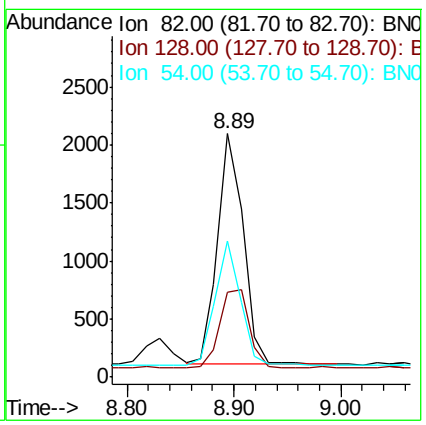


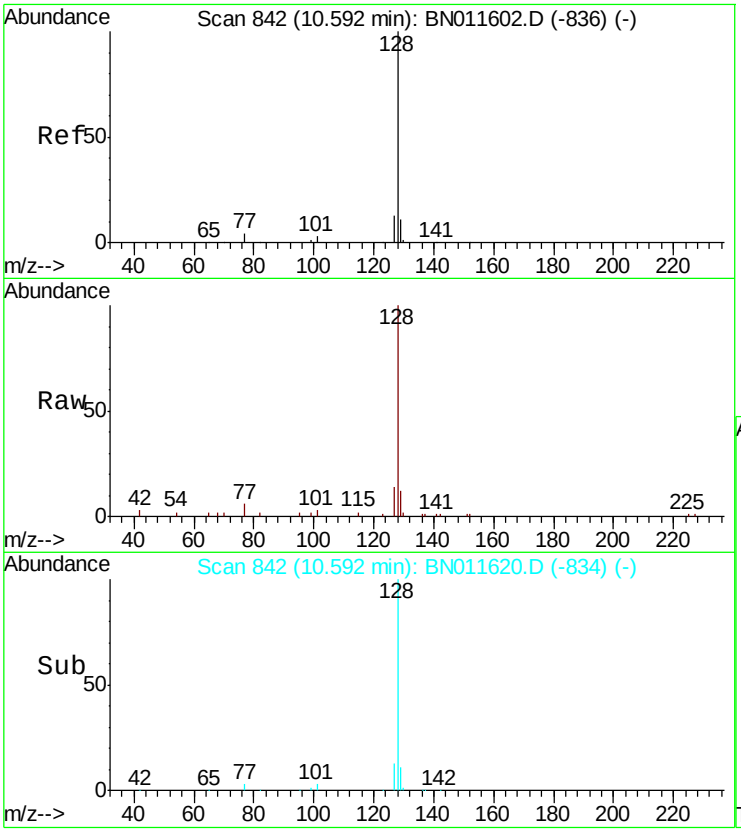


#8
Nitrobenzene-d5
Concen: 0.418 ng
RT: 8.89 min Scan# 708
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion: 82 Resp: 3278

Ion	Ratio	Lower	Upper
82	100		
128	35.1	31.1	46.7
54	55.7	37.1	55.7



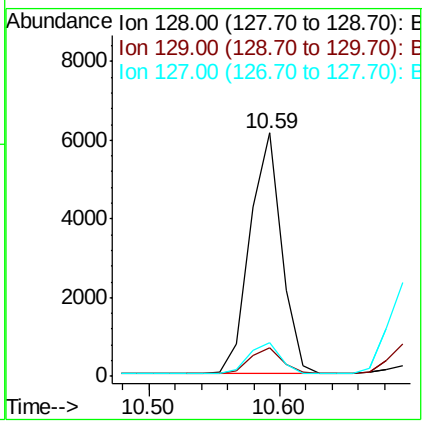


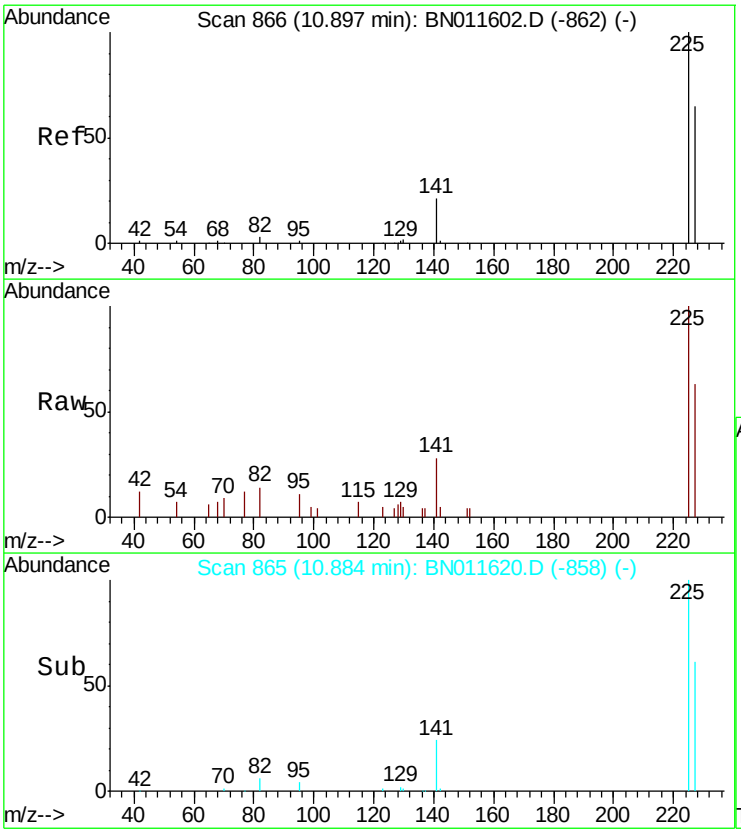
#9
Naphthalene
Concen: 0.397 ng
RT: 10.59 min Scan# 842
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:128 Resp: 10226

Ion	Ratio	Lower	Upper
128	100		
129	12.0	11.0	16.4
127	14.0	13.5	20.3

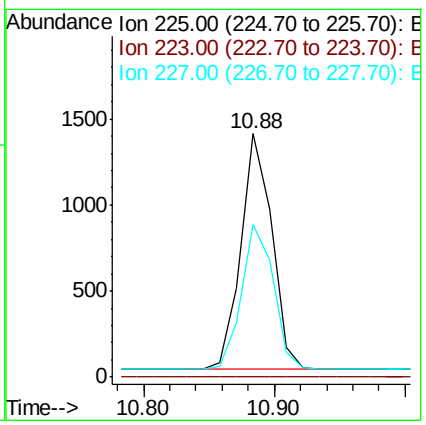


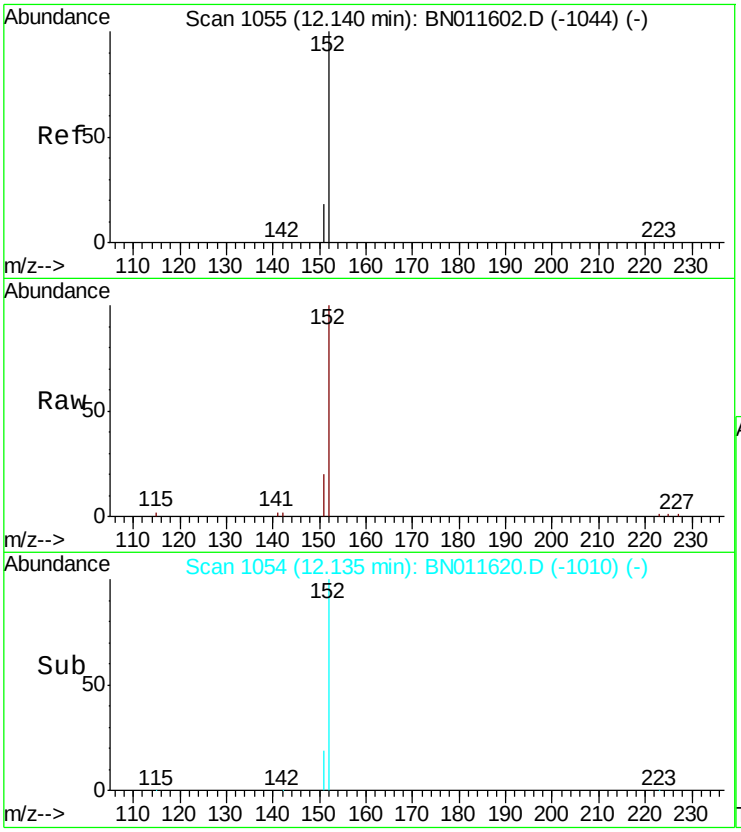


#10
Hexachlorobutadiene
Concen: 0.412 ng
RT: 10.88 min Scan# 865
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:225 Resp: 2222

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



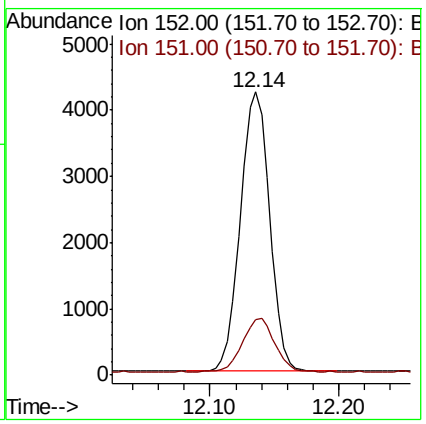


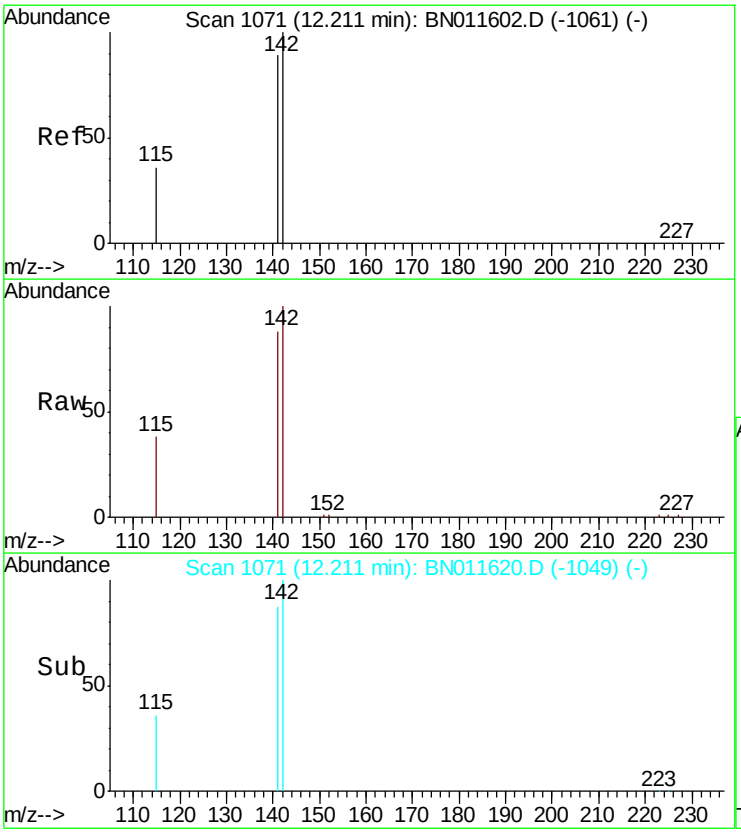
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.14 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:152 Resp: 6689

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.4	24.6

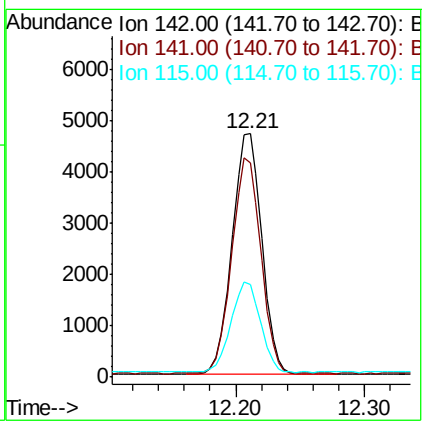


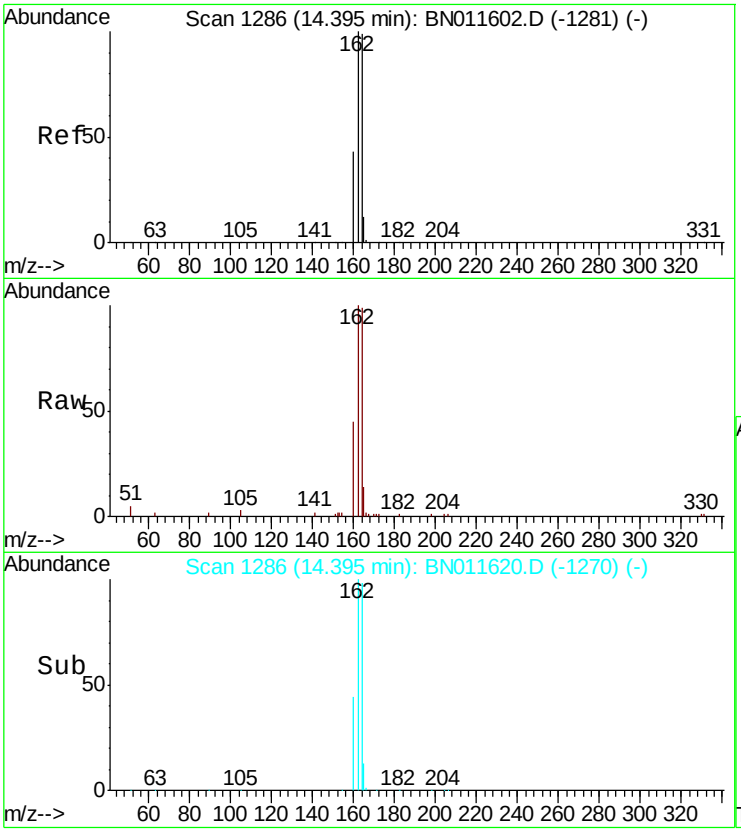


#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.21 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:142 Resp: 7450

Ion	Ratio	Lower	Upper
142	100		
141	87.8	72.7	109.1
115	37.9	32.7	49.1



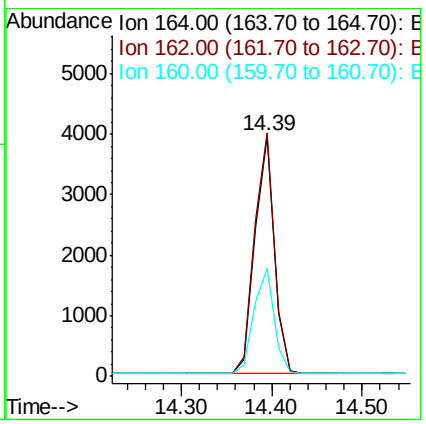


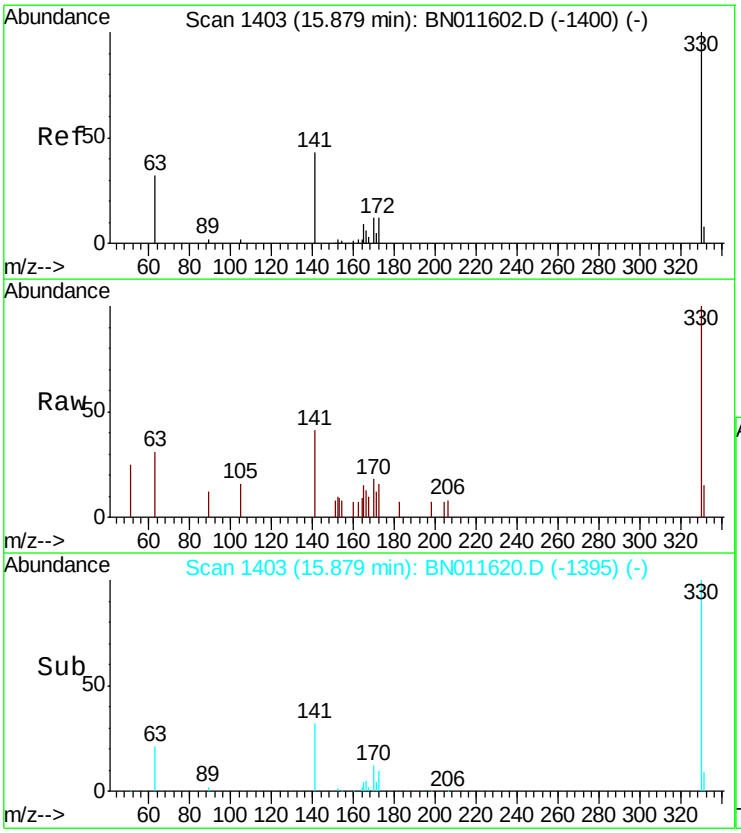
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument : BNA_N
ClientSampleId : PB131047BS

Tgt Ion:164 Resp: 5806

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.8	121.2
160	45.3	35.6	53.4

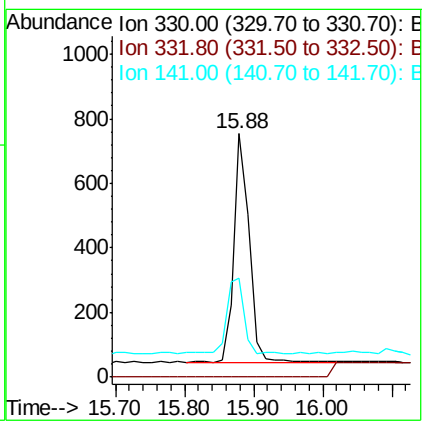


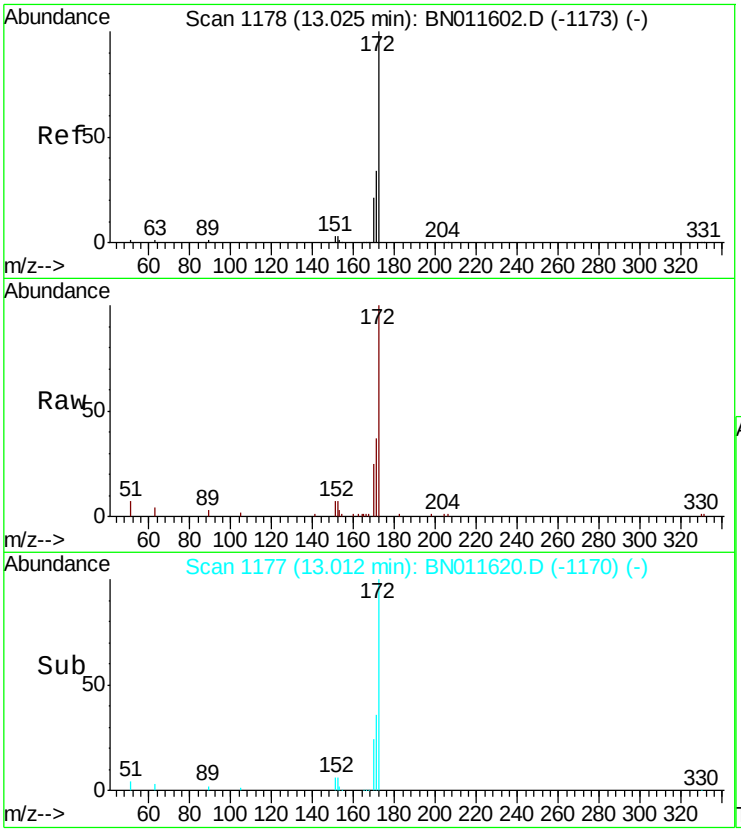


#14
2,4,6-Tribromophenol
Concen: 0.347 ng
RT: 15.88 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:330 Resp: 1108

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.9	29.4	44.2



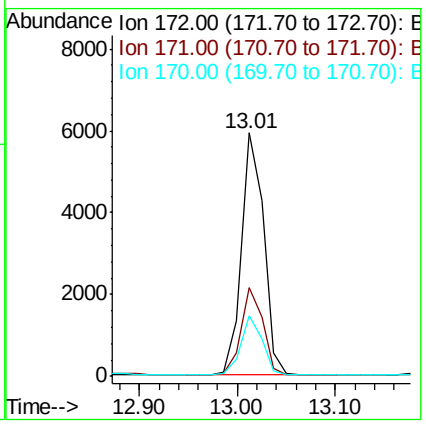


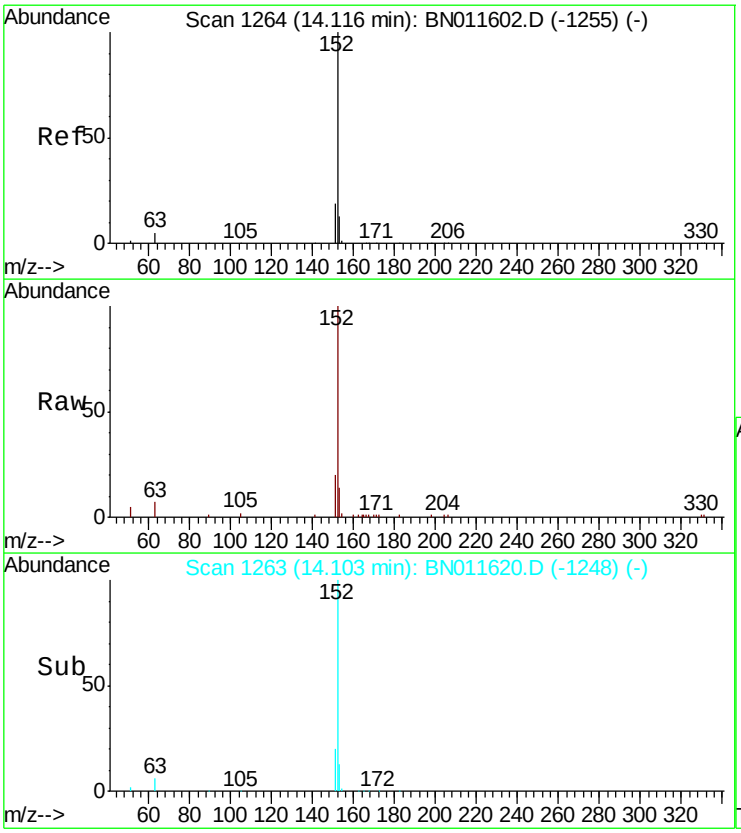
#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 13.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:172 Resp: 9188

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	42.8
170	24.7	18.2	27.2

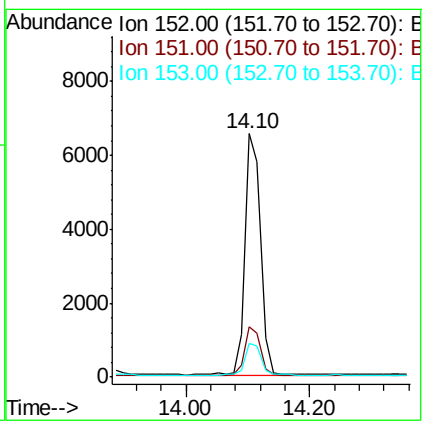


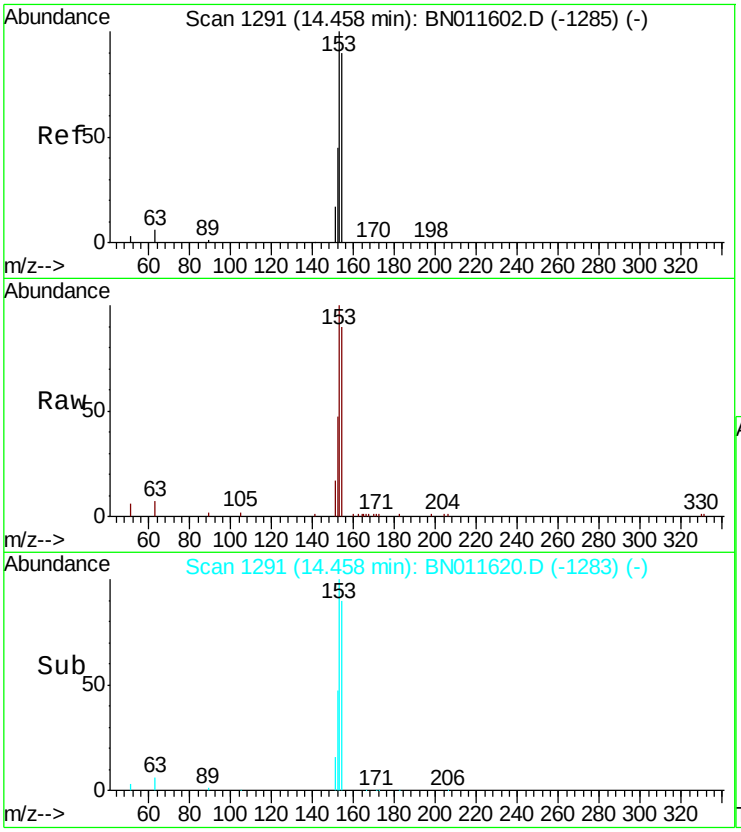


#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.10 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:152 Resp: 11186

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2
153	13.2	11.0	16.4



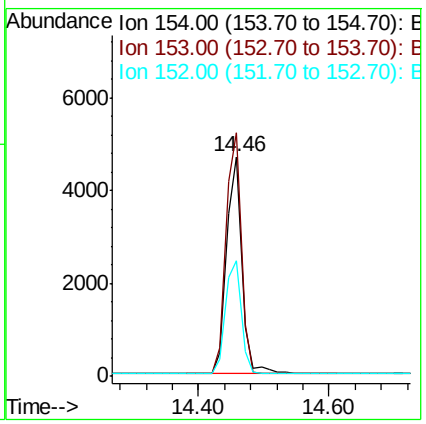


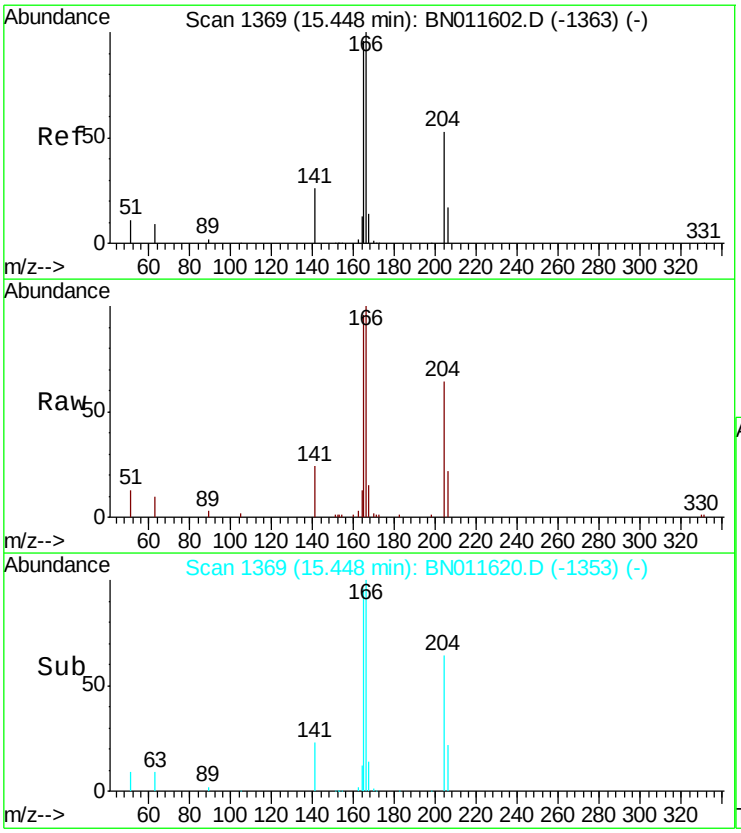
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.46 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:154 Resp: 7638

Ion	Ratio	Lower	Upper
154	100		
153	109.6	86.6	130.0
152	53.0	40.1	60.1

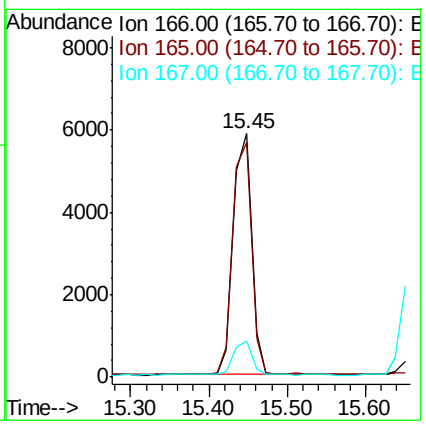


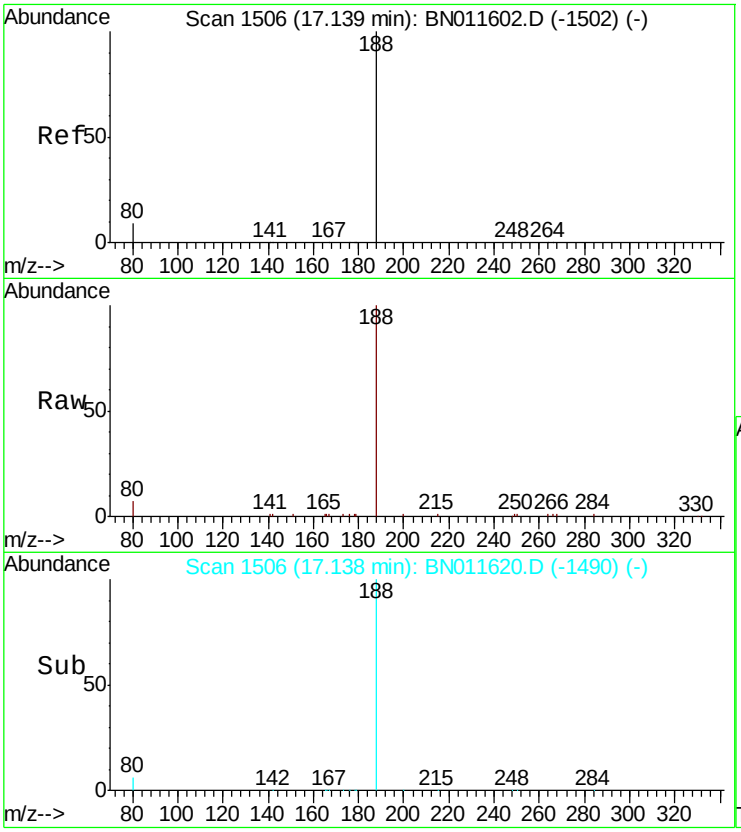


#18
Fluorene
Concen: 0.378 ng
RT: 15.45 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:166 Resp: 9505

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.4	116.2
167	14.1	11.5	17.3



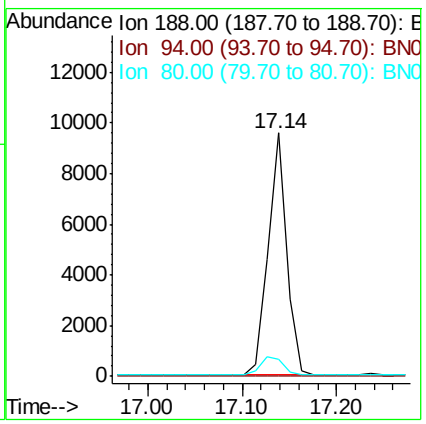


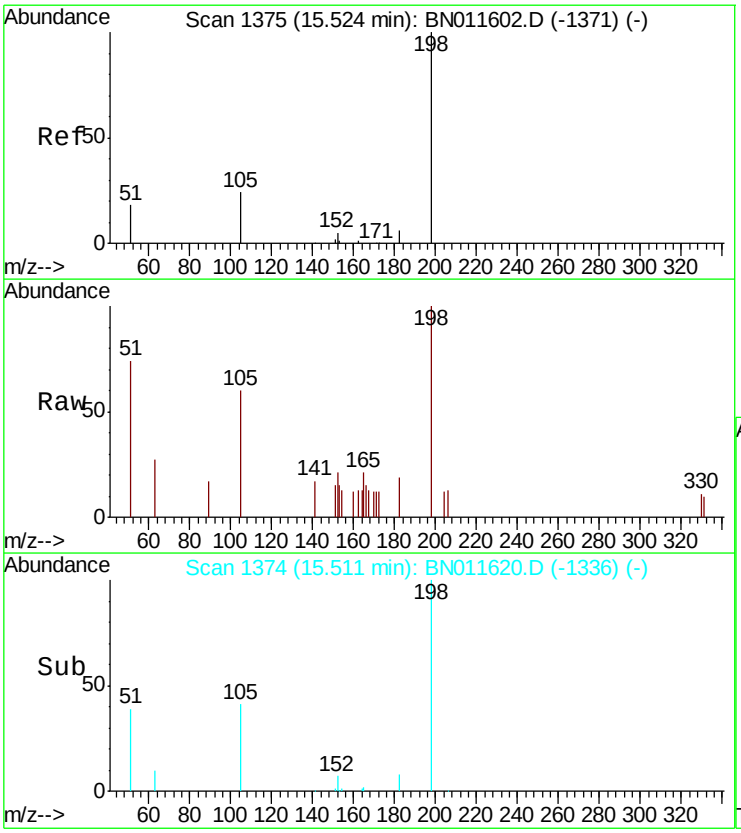
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.14 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:188 Resp: 12946

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.2	9.2	13.8#

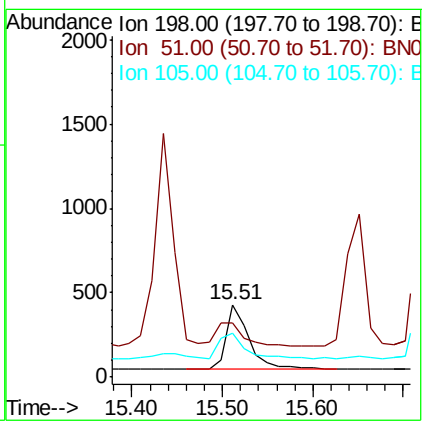


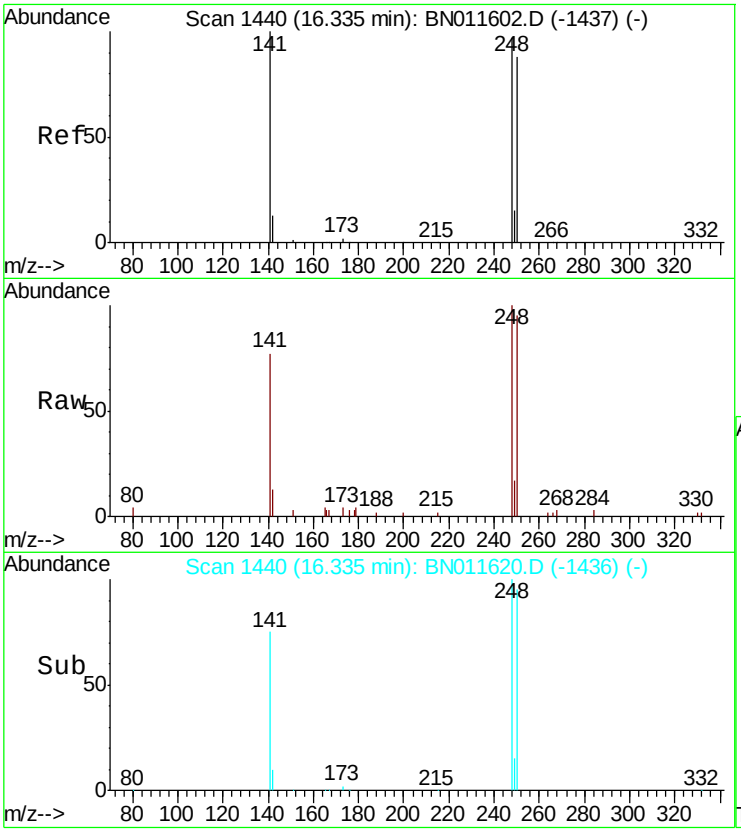


#20
4,6-Dinitro-2-methylphenol
Concen: 0.435 ng
RT: 15.51 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:198 Resp: 649

Ion	Ratio	Lower	Upper
198	100		
51	74.2	99.6	149.4#
105	60.0	118.8	178.2#



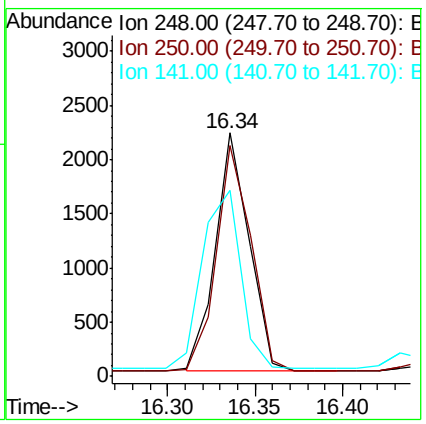


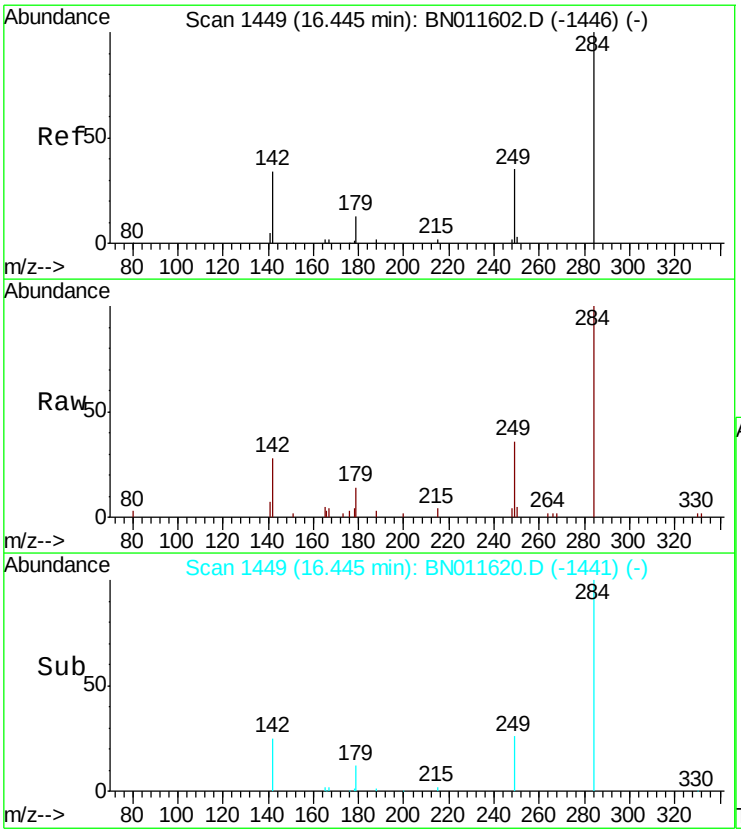
#21
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 16.34 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:248 Resp: 2953

Ion	Ratio	Lower	Upper
248	100		
250	94.9	73.4	110.2
141	76.6	88.5	132.7#

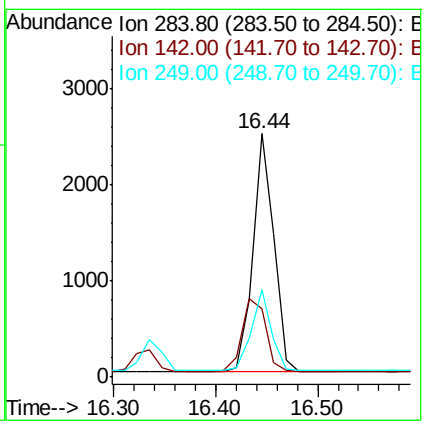


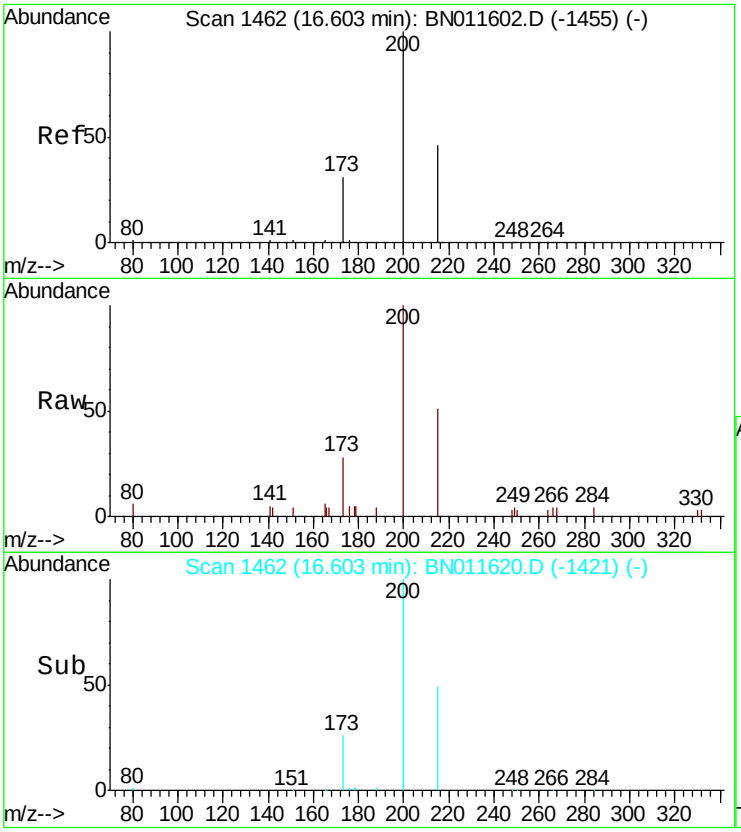


#22
Hexachlorobenzene
Concen: 0.405 ng
RT: 16.44 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:284 Resp: 3538

Ion	Ratio	Lower	Upper
284	100		
142	34.3	27.3	40.9
249	32.4	25.2	37.8



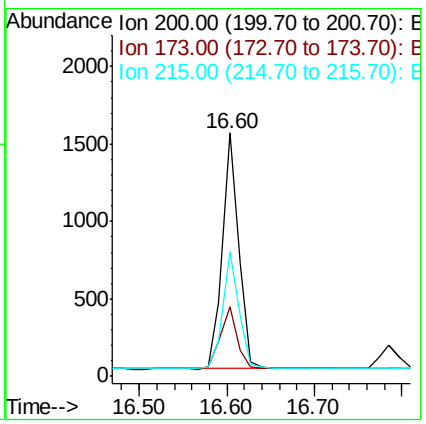


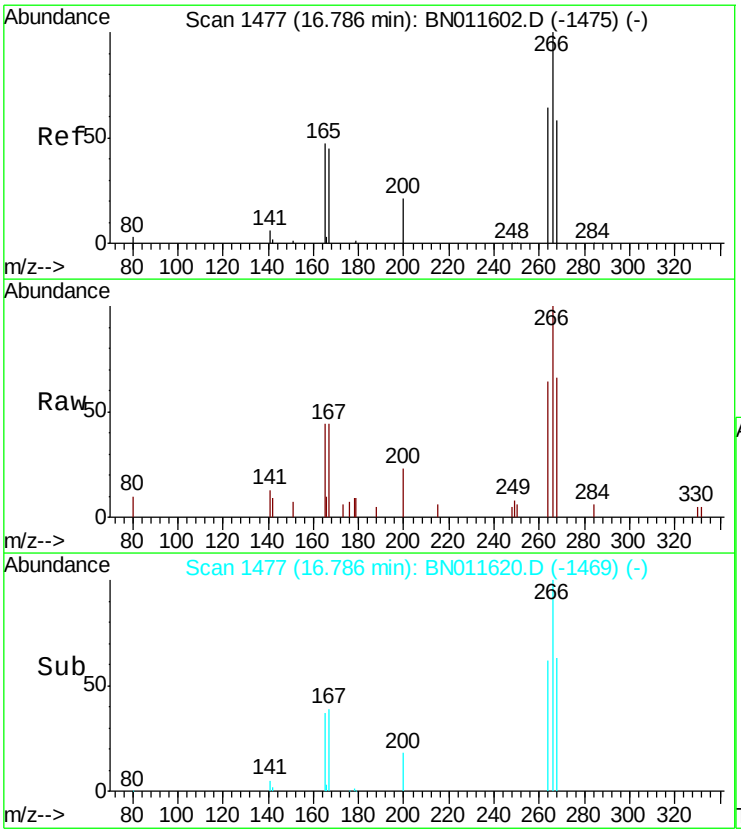
#23
Atrazine
Concen: 0.266 ng
RT: 16.60 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:200 Resp: 1984

Ion	Ratio	Lower	Upper
200	100		
173	28.5	28.2	42.4
215	51.3	39.8	59.6

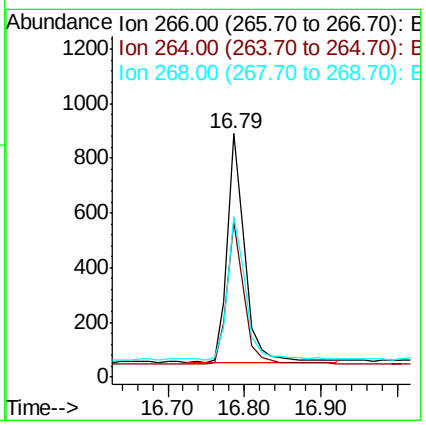


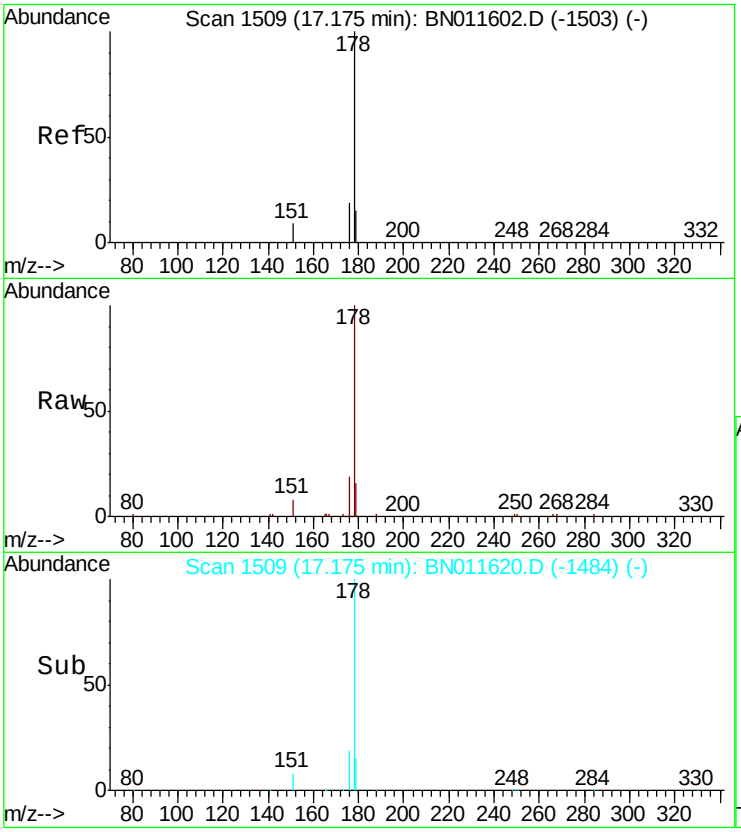


#24
Pentachlorophenol
Concen: 0.345 ng
RT: 16.79 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:266 Resp: 1331

Ion	Ratio	Lower	Upper
266	100		
264	62.8	48.1	72.1
268	62.2	48.4	72.6



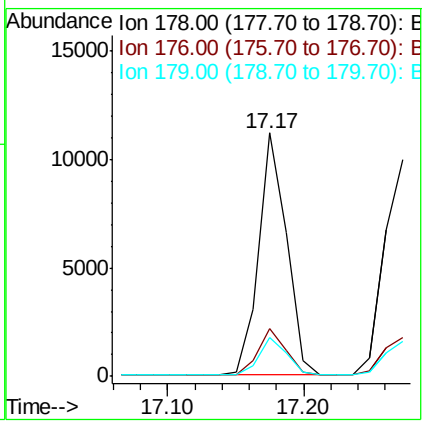


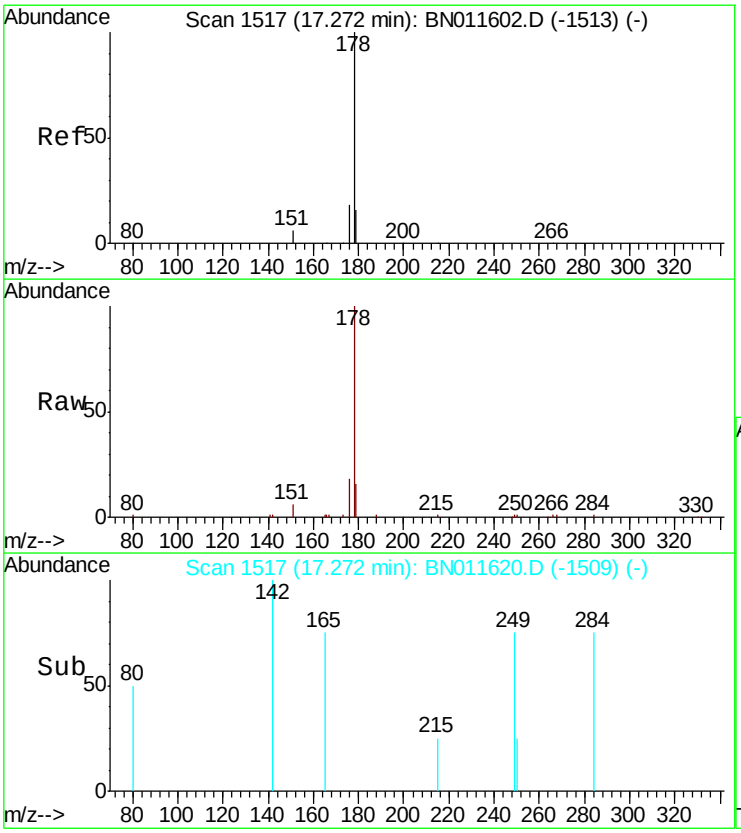
#25
Phenanthrene
Concen: 0.391 ng
RT: 17.17 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:178 Resp: 15732

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.8	12.6	18.8

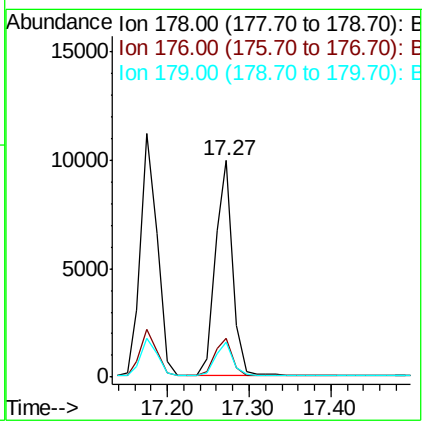


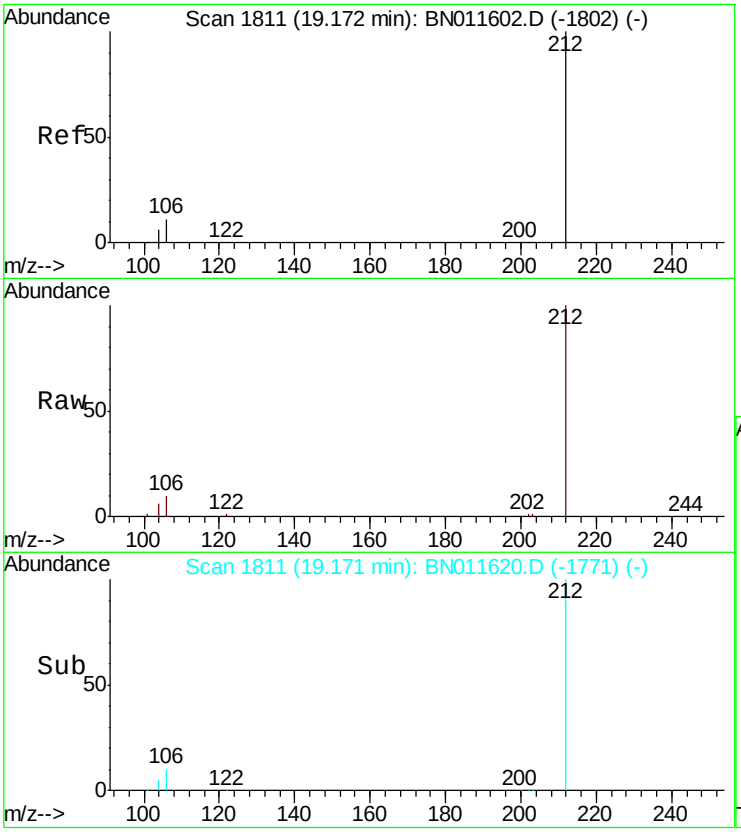


#26
Anthracene
Concen: 0.370 ng
RT: 17.27 min Scan# 1517
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:178 Resp: 14638

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	15.9	12.5	18.7



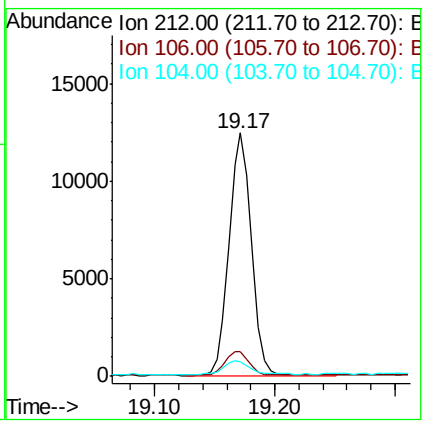


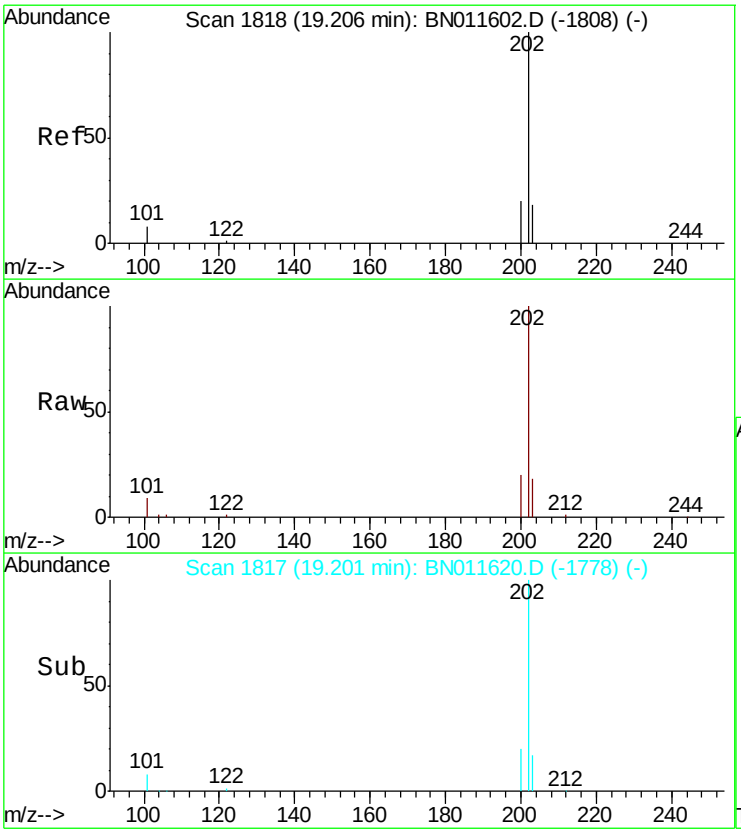
#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.17 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:212 Resp: 15900

Ion	Ratio	Lower	Upper
212	100		
106	10.3	8.9	13.3
104	5.9	5.3	7.9

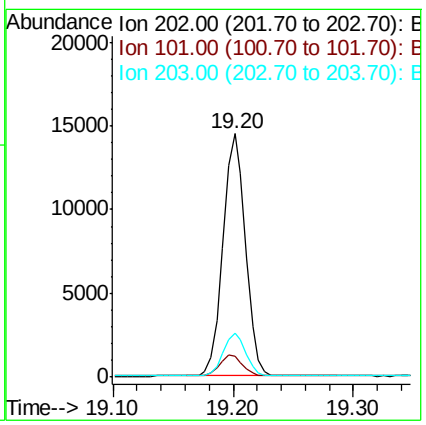


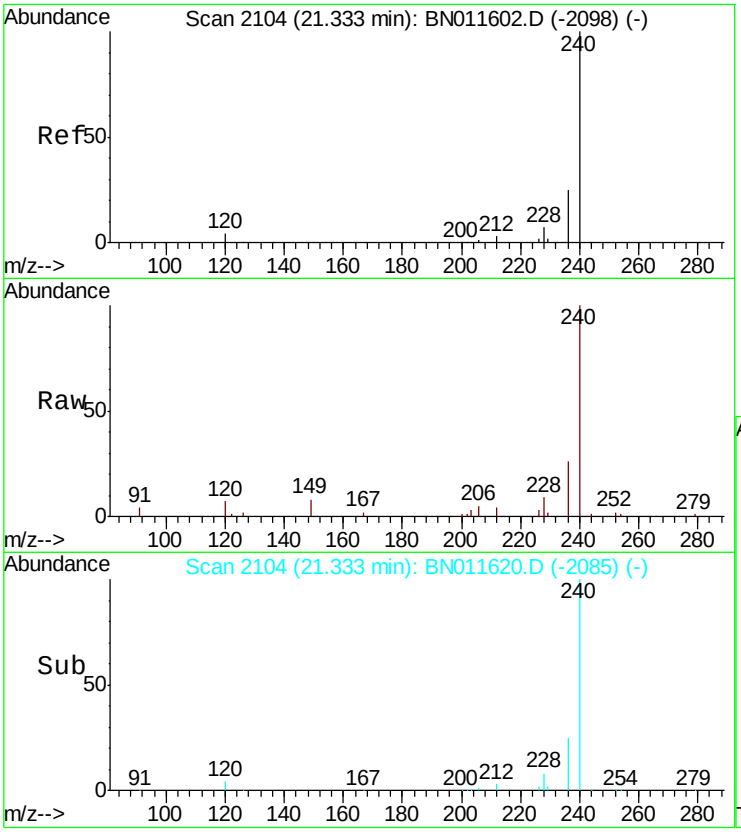


#28
Fluoranthene
Concen: 0.384 ng
RT: 19.20 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:202 Resp: 18708

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.7	11.5
203	17.3	13.9	20.9



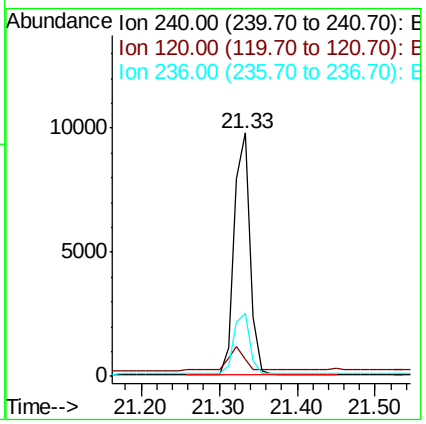


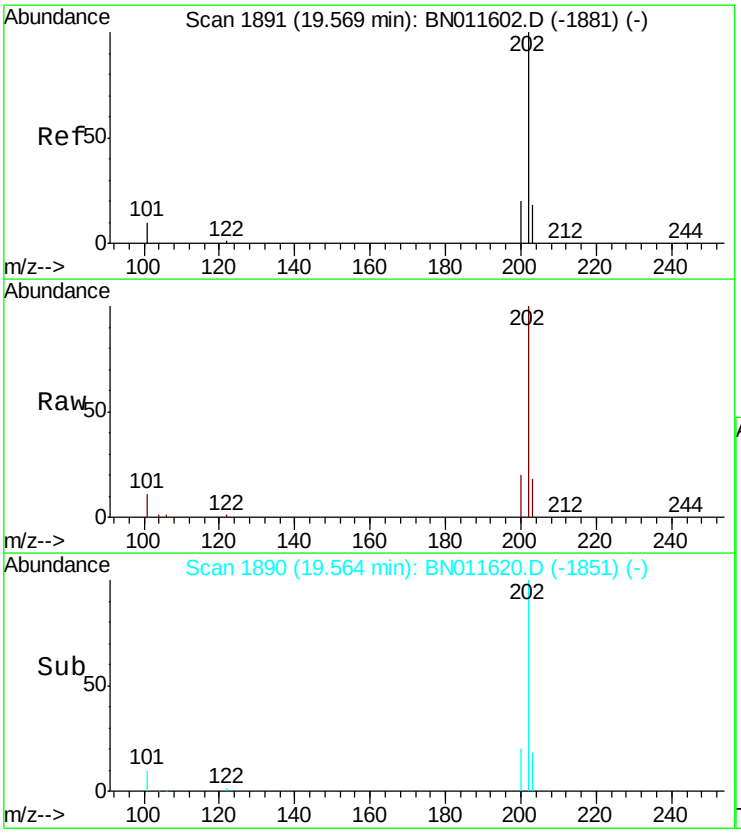
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.33 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:240 Resp: 13664

Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.0	9.0
236	25.9	20.8	31.2

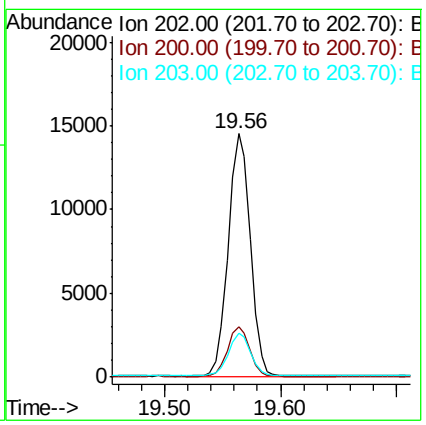


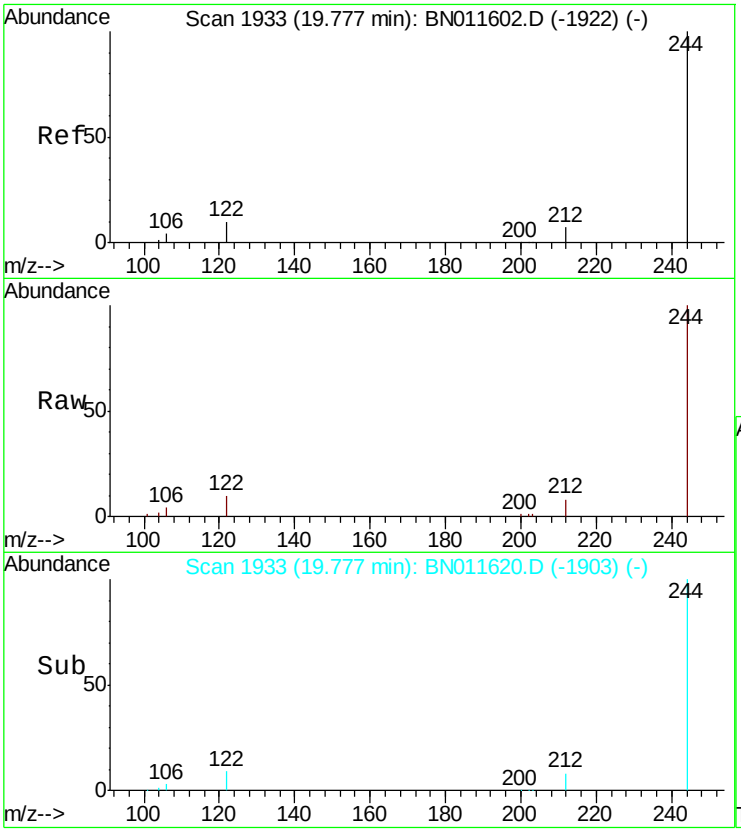


#30
Pyrene
Concen: 0.393 ng
RT: 19.56 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:202 Resp: 19060

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	17.4	14.2	21.4



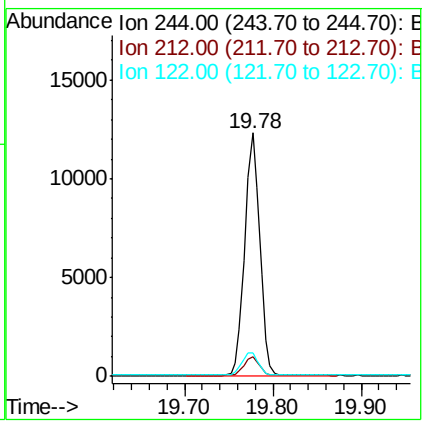


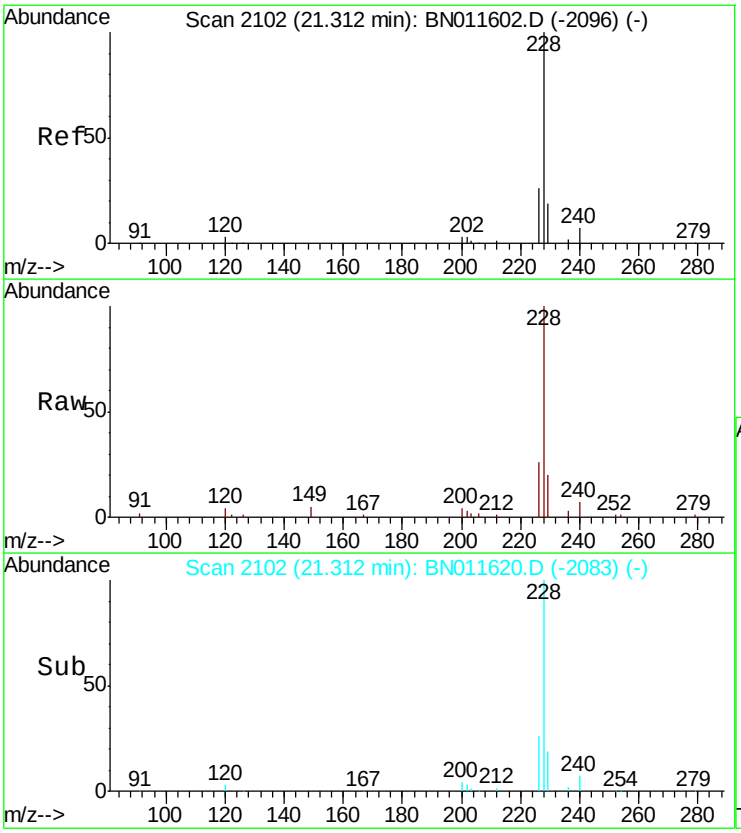
#31
Terphenyl-d14
Concen: 0.412 ng
RT: 19.78 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:244 Resp: 14391

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	9.7	9.5	14.3

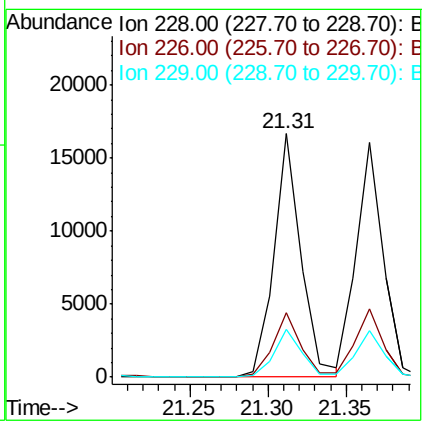


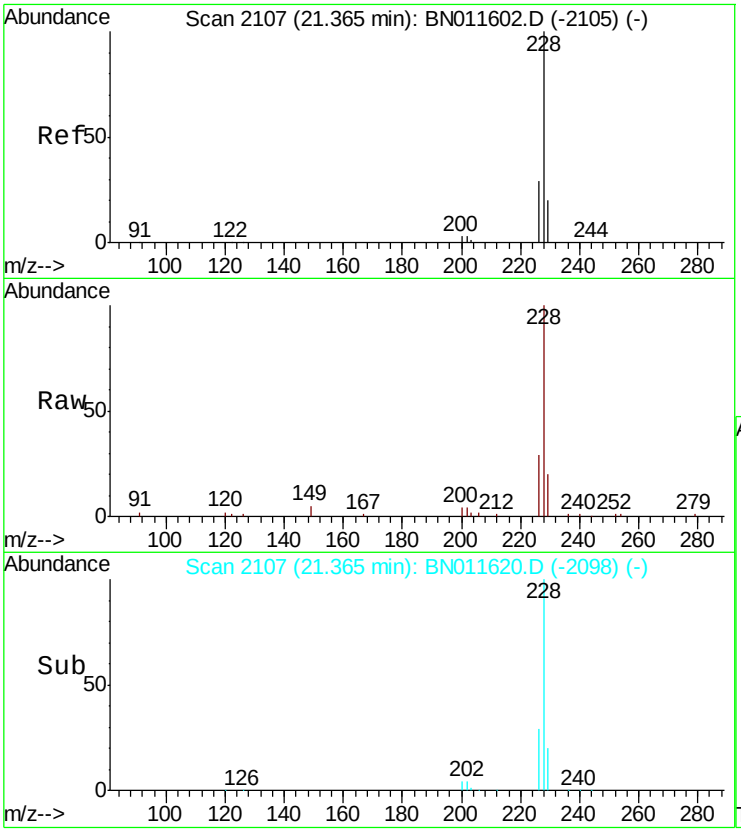


#32
Benzo(a)anthracene
Concen: 0.401 ng
RT: 21.31 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:228 Resp: 19779

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.2	31.8
229	19.7	15.8	23.8



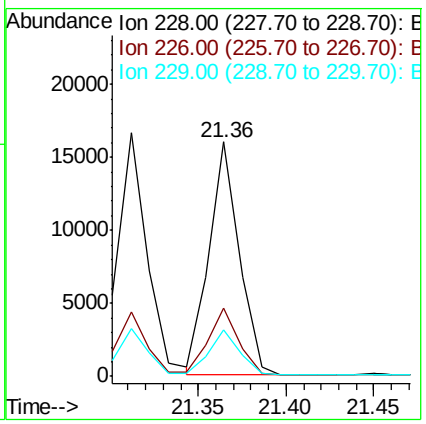


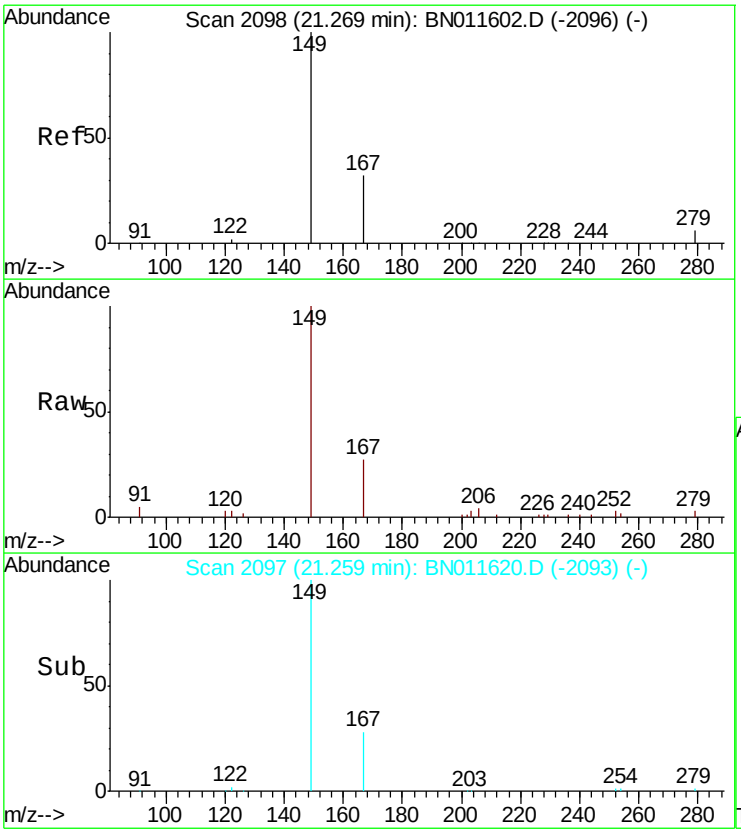
#33
Chrysene
Concen: 0.407 ng
RT: 21.36 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:228 Resp: 19099

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.6	35.4
229	19.9	16.0	24.0

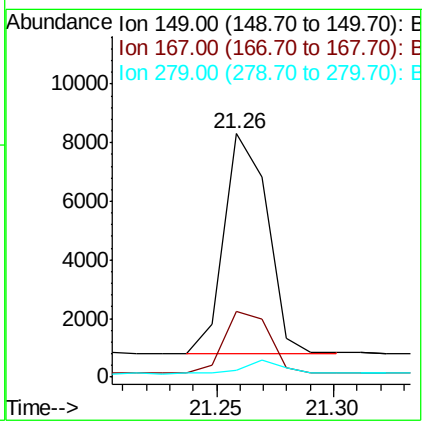


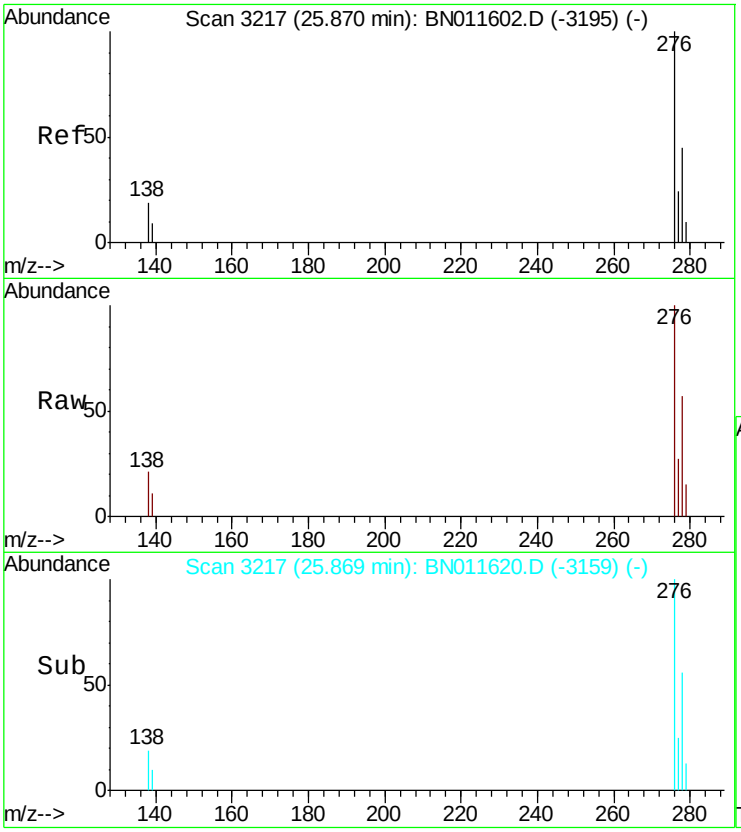


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.263 ng
RT: 21.26 min Scan# 2097
Delta R.T. -0.01 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:149 Resp: 9692

Ion	Ratio	Lower	Upper
149	100		
167	29.2	20.6	31.0
279	5.1	3.8	5.8



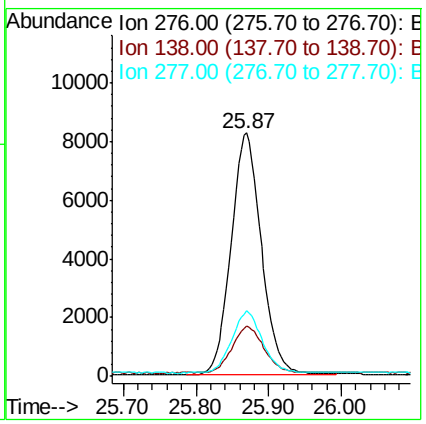


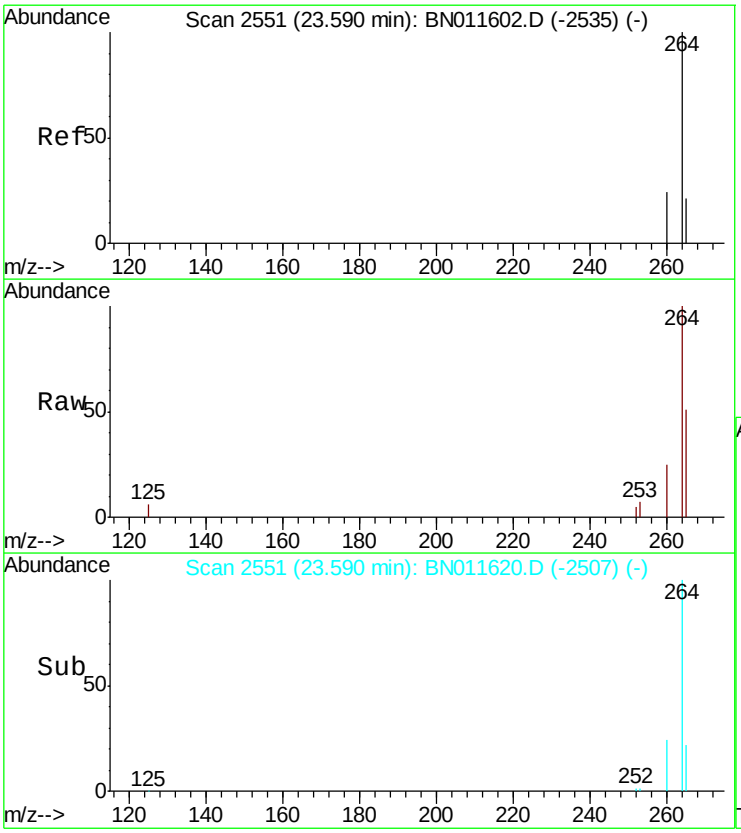
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.414 ng
RT: 25.87 min Scan# 3217
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:276 Resp: 23713

Ion	Ratio	Lower	Upper
276	100		
138	20.2	0.0	0.0#
277	25.9	0.0	0.0#

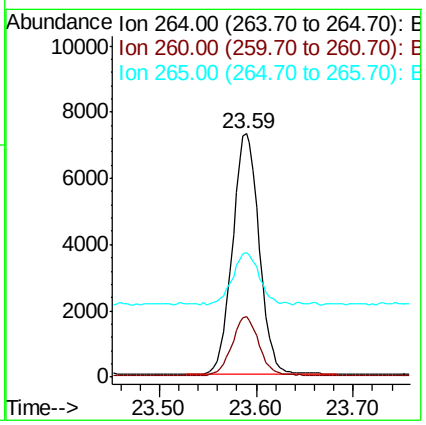


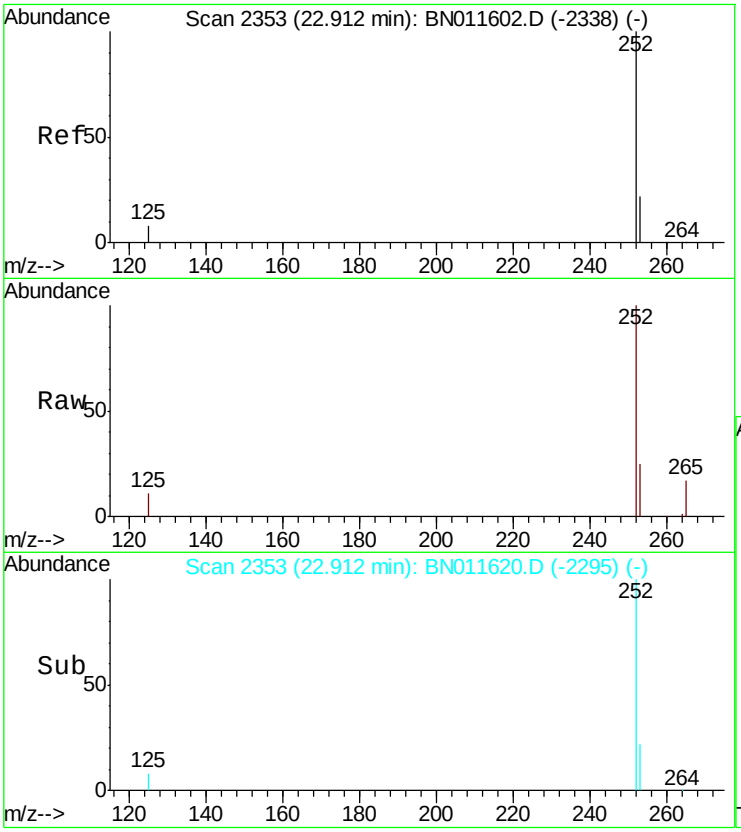


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.59 min Scan# 2551
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:264 Resp: 13937

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	51.2	40.7	61.1



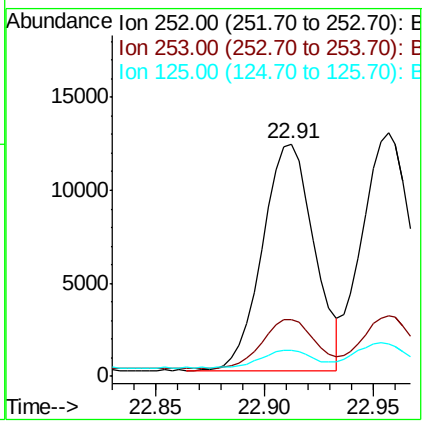


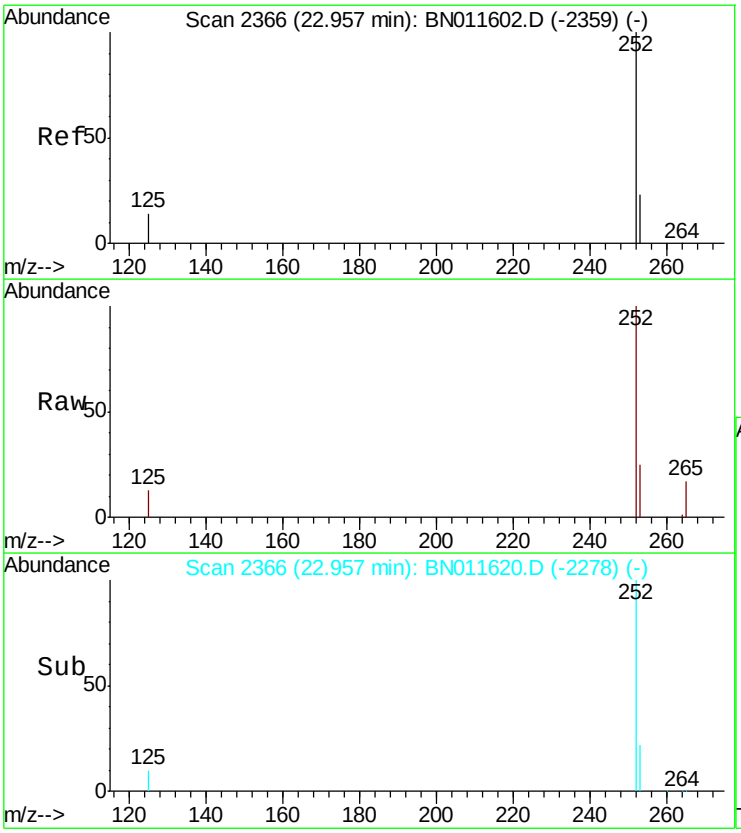
#37
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 22.91 min Scan# 2353
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:252 Resp: 20166

Ion	Ratio	Lower	Upper
252	100		
253	24.7	21.0	31.6
125	11.1	11.0	16.6

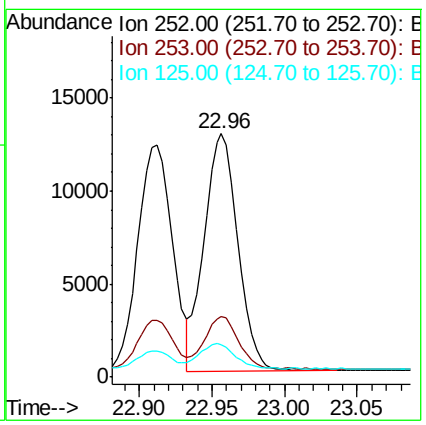


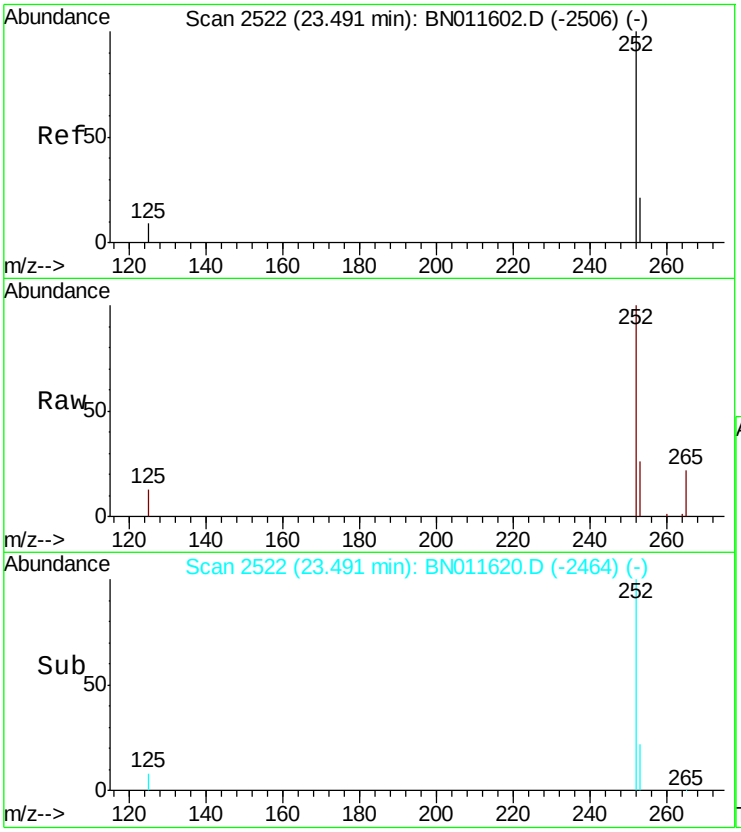


#38
Benzo(k)fluoranthene
Concen: 0.411 ng
RT: 22.96 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:252 Resp: 20645

Ion	Ratio	Lower	Upper
252	100		
253	24.9	21.2	31.8
125	13.3	14.6	21.8#



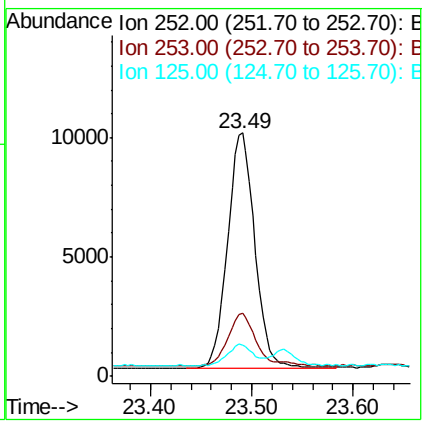


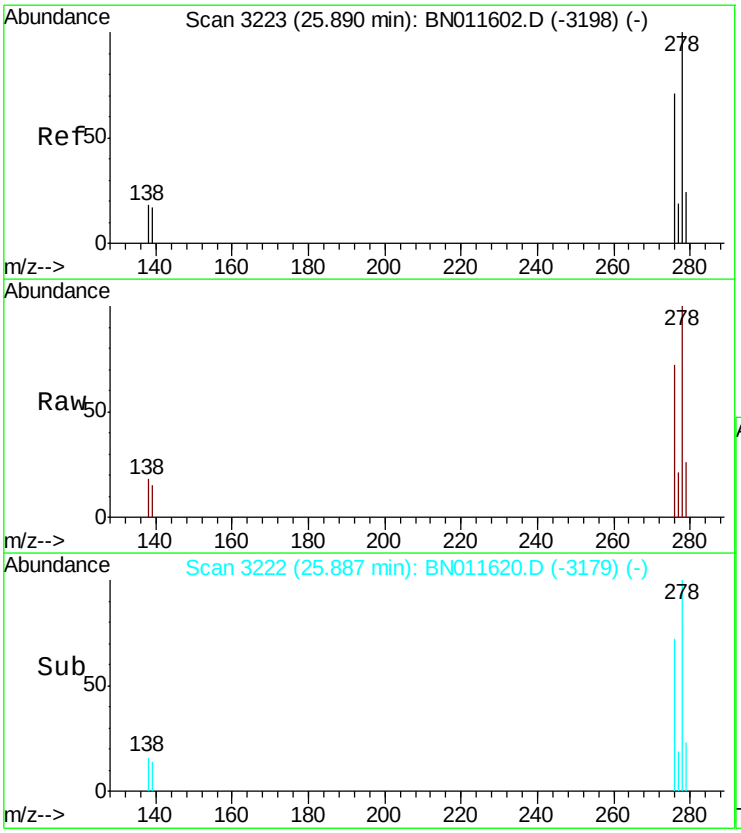
#39
Benzo(a)pyrene
Concen: 0.395 ng
RT: 23.49 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:252 Resp: 18577

Ion	Ratio	Lower	Upper
252	100		
253	25.7	21.2	31.8
125	12.6	12.1	18.1

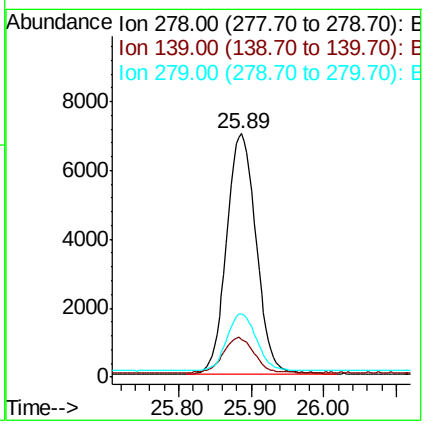


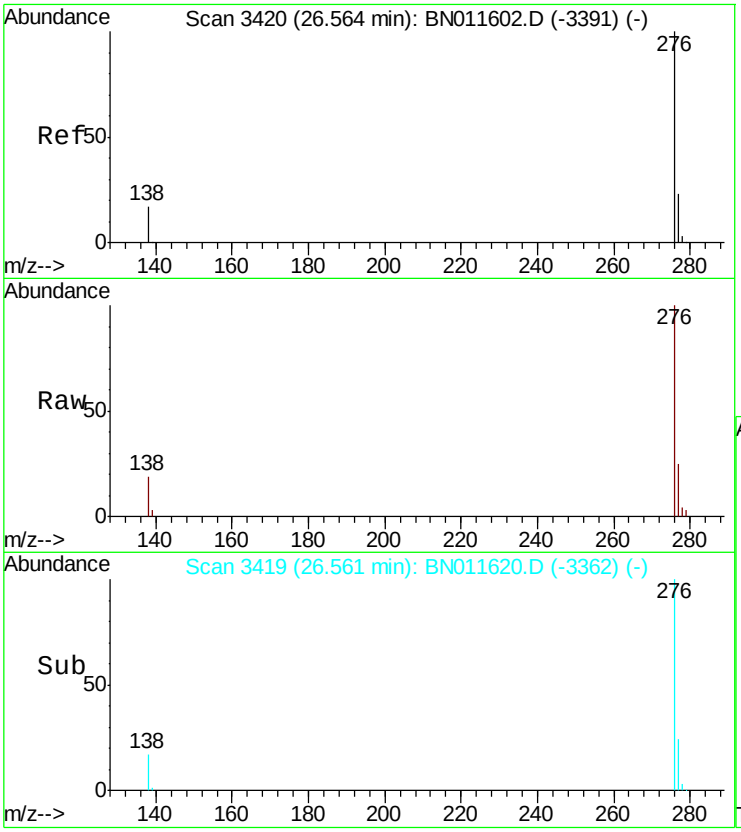


#40
Dibenzo(a,h)anthracene
Concen: 0.402 ng
RT: 25.89 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Tgt Ion:278 Resp: 19756

Ion	Ratio	Lower	Upper
278	100		
139	15.3	16.6	25.0#
279	25.8	21.4	32.2





#41
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 26.56 min Scan# 3419
Delta R.T. -0.00 min
Lab File: BN011620.D
Acq: 25 Aug 2020 17:48

Instrument :
BNA_N
ClientSampleId :
PB131047BS

Tgt Ion:276 Resp: 19017

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.5	30.7
138	19.0	17.8	26.6