Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072220\
Data File : BN011219.D
Acq On : 21 Jul 2020 14:43
Operator : CG/JU
Sample : PB130052BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB130052BS

Quant Time: Jul 21 15:17:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 21 14:35:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	1391	0.40	ng		0.00
7) Naphthalene-d8	10.24	136	4927	0.40	ng		0.00
13) Acenaphthene-d10	14.12	164	3035	0.40	ng		0.00
19) Phenanthrene-d10	16.87	188	7034	0.40	ng		0.00
29) Chrysene-d12	21.10	240	5386	0.40	ng		0.00
36) Perylene-d12	23.23	264	4759	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.15	112	1226	0.36	ng		0.00
5) Phenol-d6	6.69	99	1524	0.39	ng		0.00
8) Nitrobenzene-d5	8.63	82	1598	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	11.84	152	3308	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.63	330	502	0.37	ng		0.00
15) 2-Fluorobiphenyl	12.73	172	5043	0.35	ng		0.00
27) Fluoranthene-d10	18.92	212	8118	0.37	ng		0.00
31) Terphenyl-d14	19.54	244	6404	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	704	0.354	ng		95
3) n-Nitrosodimethylamine	3.53	42	374	0.374	ng	#	91
6) bis(2-Chloroethyl)ether	6.94	93	1249	0.352	ng		97
9) Naphthalene	10.29	128	5567	0.380	ng		100
10) Hexachlorobutadiene	10.58	225	1352	0.372	ng	#	98
12) 2-Methylnaphthalene	11.91	142	3779	0.410	ng		99
16) Acenaphthylene	13.82	152	5635	0.365	ng		99
17) Acenaphthene	14.18	154	3820	0.371	ng		98
18) Fluorene	15.17	166	5109	0.387	ng		98
20) 4,6-Dinitro-2-methylphenol	15.30	198	297	0.359	ng		95
21) 4-Bromophenyl-phenylether	16.08	248	1690	0.353	ng		99
22) Hexachlorobenzene	16.19	284	1889	0.340	ng		98
23) Atrazine	16.37	200	1260	0.376	ng		99
24) Pentachlorophenol	16.54	266	567	0.343	ng		95
25) Phenanthrene	16.91	178	8374	0.371	ng		99
26) Anthracene	17.00	178	6672	0.355	ng		99
28) Fluoranthene	18.95	202	9819	0.362	ng		100
30) Pyrene	19.32	202	9595	0.467	ng		99
32) Benzo(a)anthracene	21.08	228	6831	0.392	ng		98
33) Chrysene	21.13	228	8217	0.385	ng		100
34) Bis(2-ethylhexyl)phthalate	21.04	149	3404	0.474	ng		97
35) Indeno(1,2,3-cd)pyrene	25.32	276	7470	0.327	ng		99
37) Benzo(b)fluoranthene	22.60	252	7263	0.380	ng		99
38) Benzo(k)fluoranthene	22.65	252	8239	0.381	ng		97
39) Benzo(a)pyrene	23.15	252	5956	0.346	ng		97
40) Dibenzo(a,h)anthracene	25.34	278	5861	0.321	ng		95
41) Benzo(g,h,i)perylene	25.94	276	6936	0.346	ng		98

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

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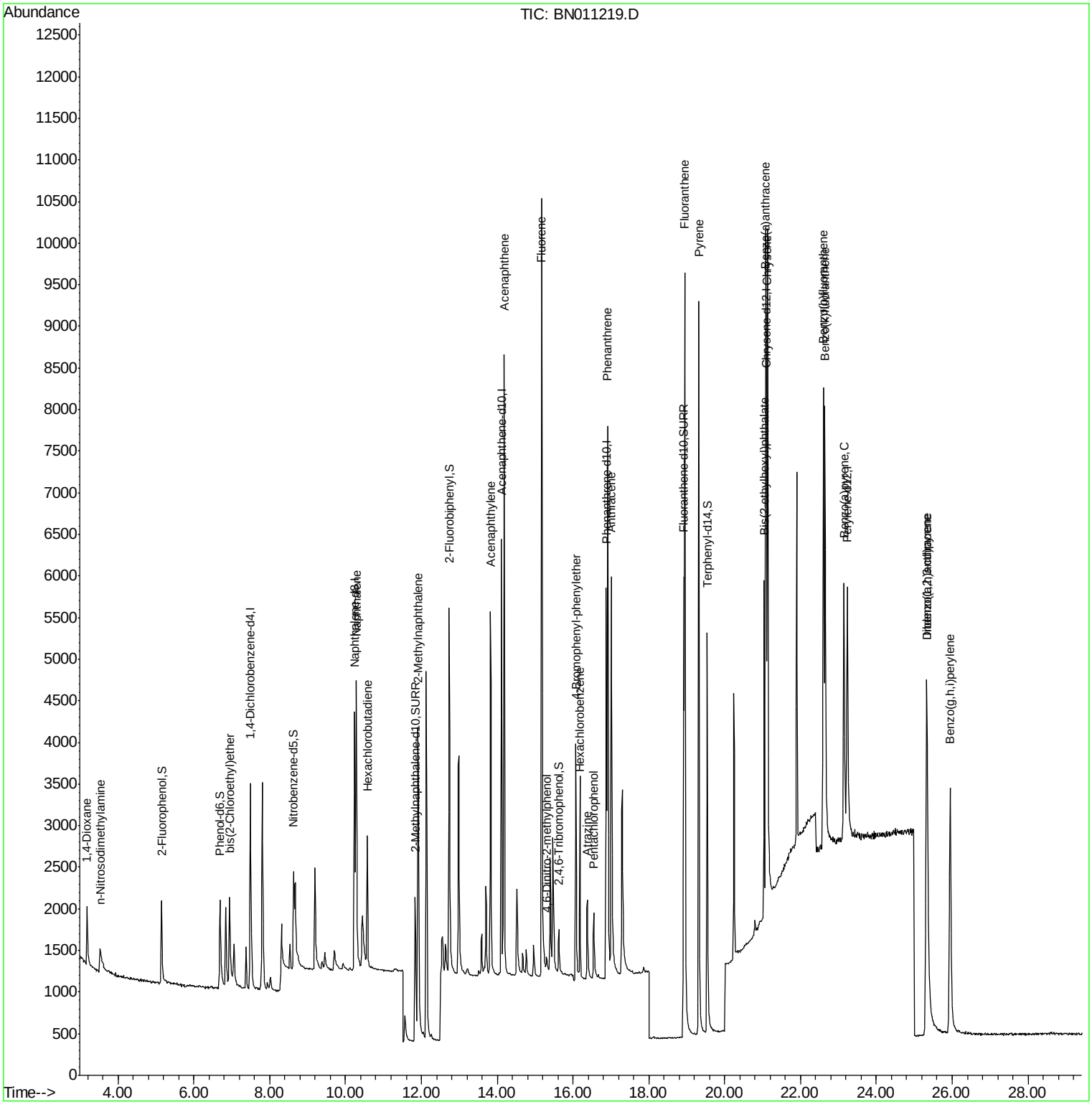
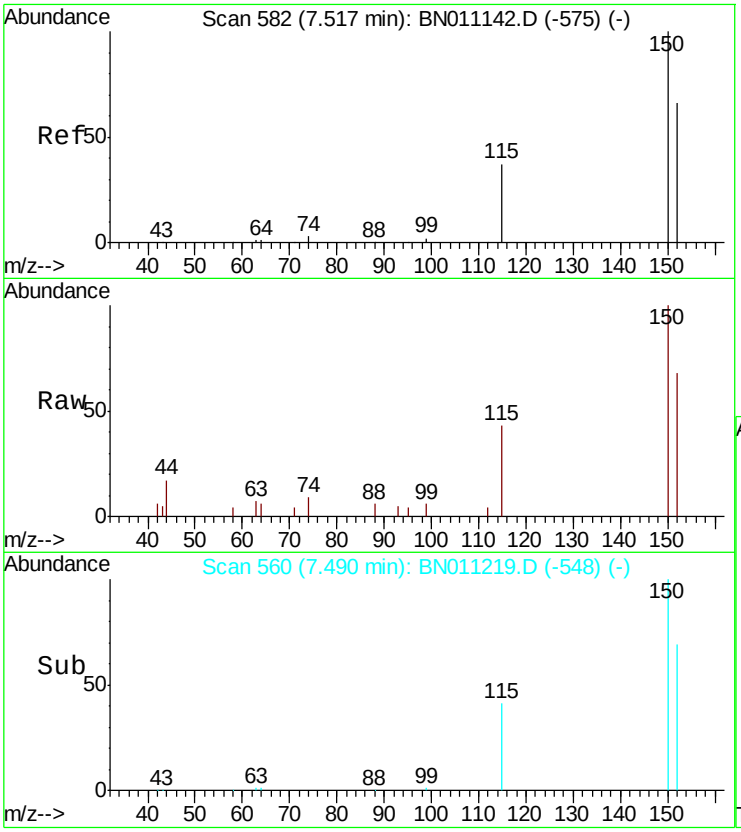
Sample : PB130052BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Quant Time: Jul 21 15:17:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 21 14:35:20 2020
Response via : Initial Calibration



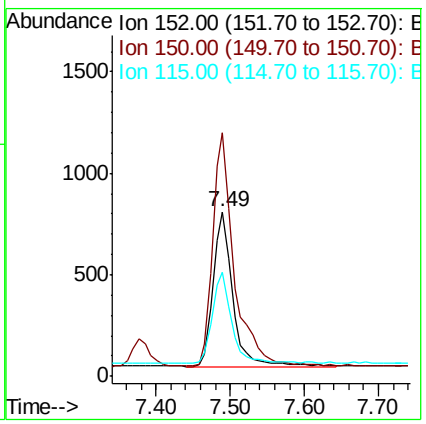


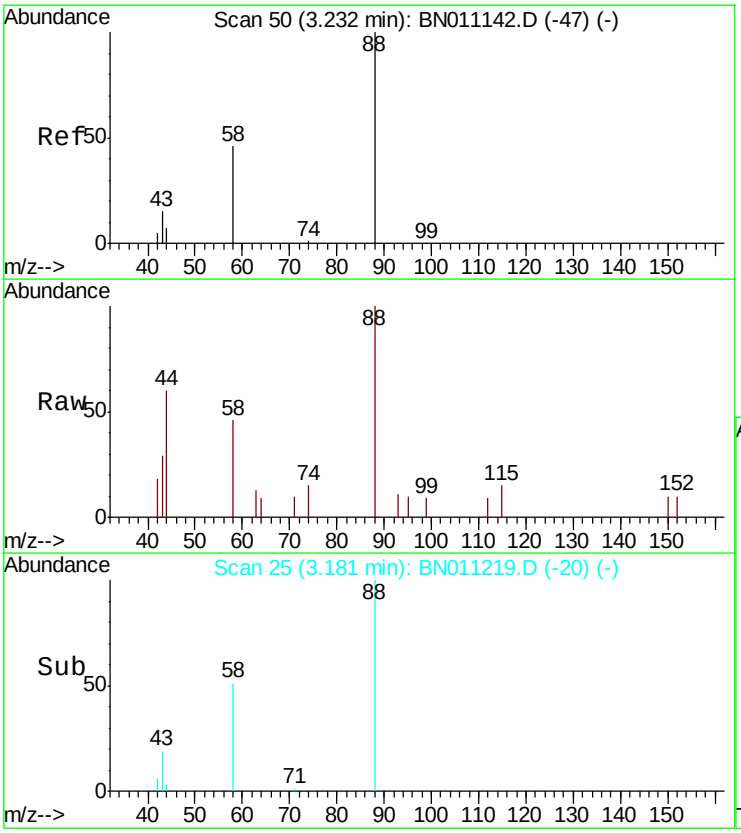
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.49 min Scan# 560
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:152 Resp: 1391

Ion	Ratio	Lower	Upper
152	100		
150	147.8	119.4	179.0
115	63.4	48.3	72.5

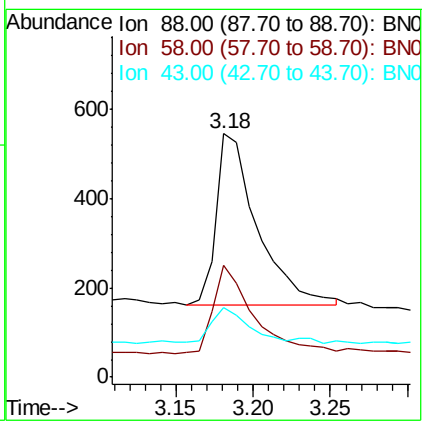


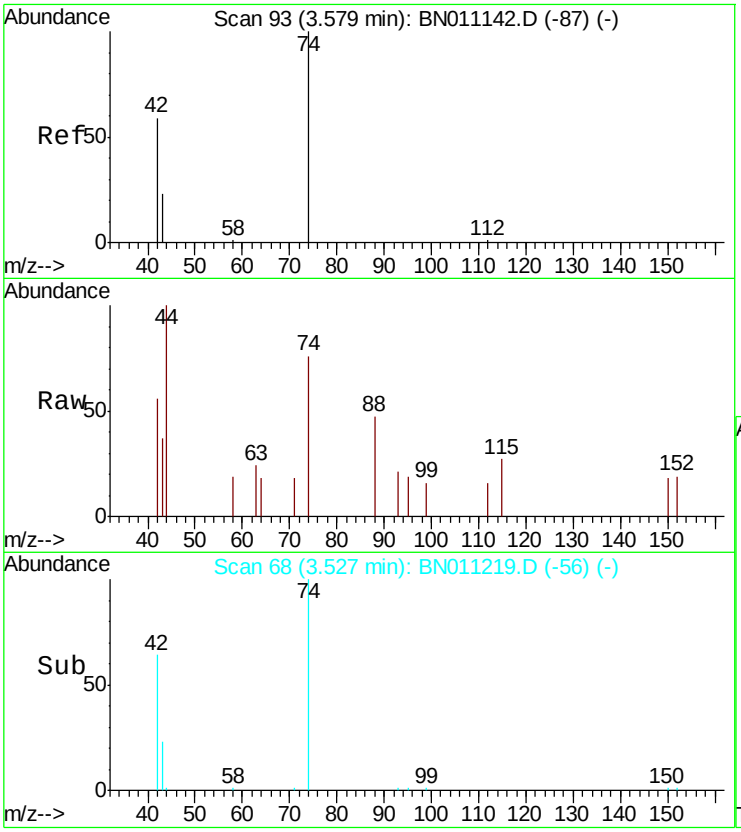


#2
1,4-Dioxane
Concen: 0.354 ng
RT: 3.18 min Scan# 25
Delta R.T. -0.01 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion: 88 Resp: 704

Ion	Ratio	Lower	Upper
88	100		
58	49.3	36.5	54.7
43	19.9	14.3	21.5



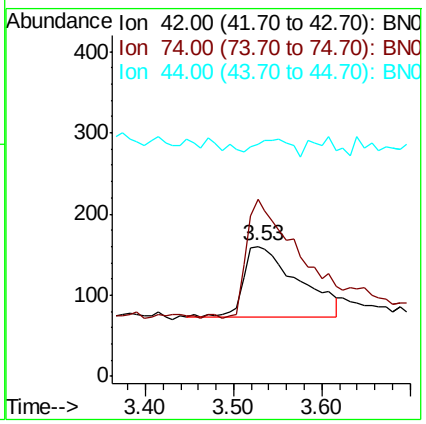


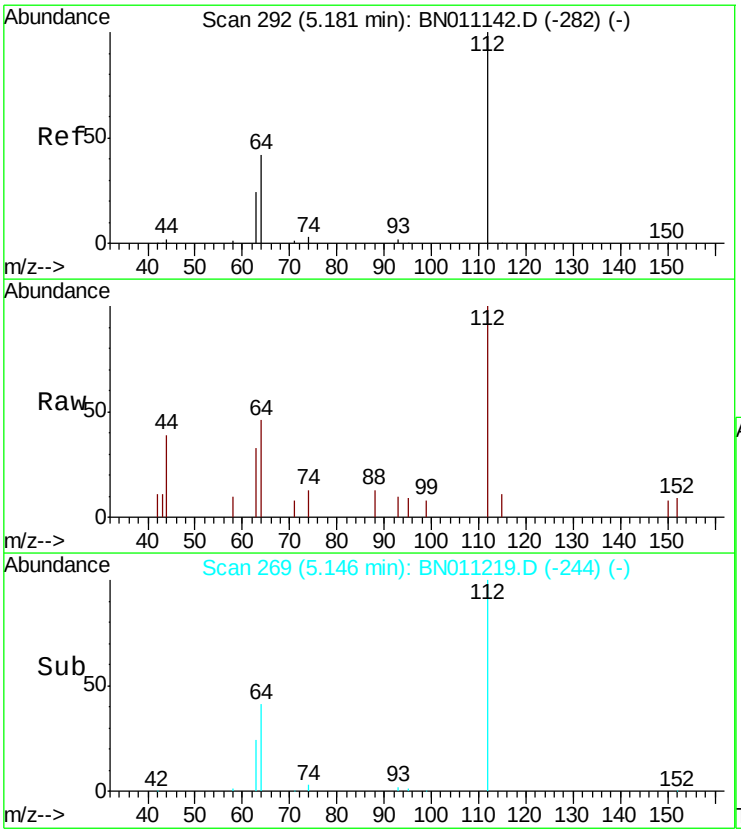
#3
n-Nitrosodimethylamine
Concen: 0.374 ng
RT: 3.53 min Scan# 68
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion: 42 Resp: 374

Ion	Ratio	Lower	Upper
42	100		
74	164.4	140.9	211.3
44	0.0	7.6	11.4#

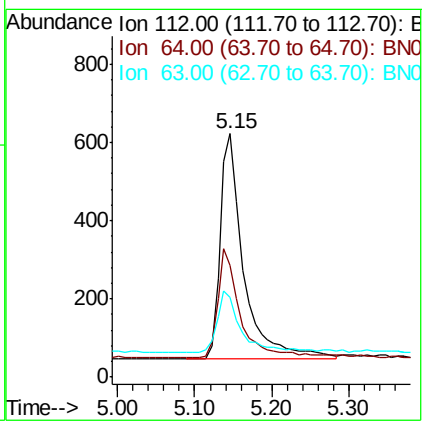


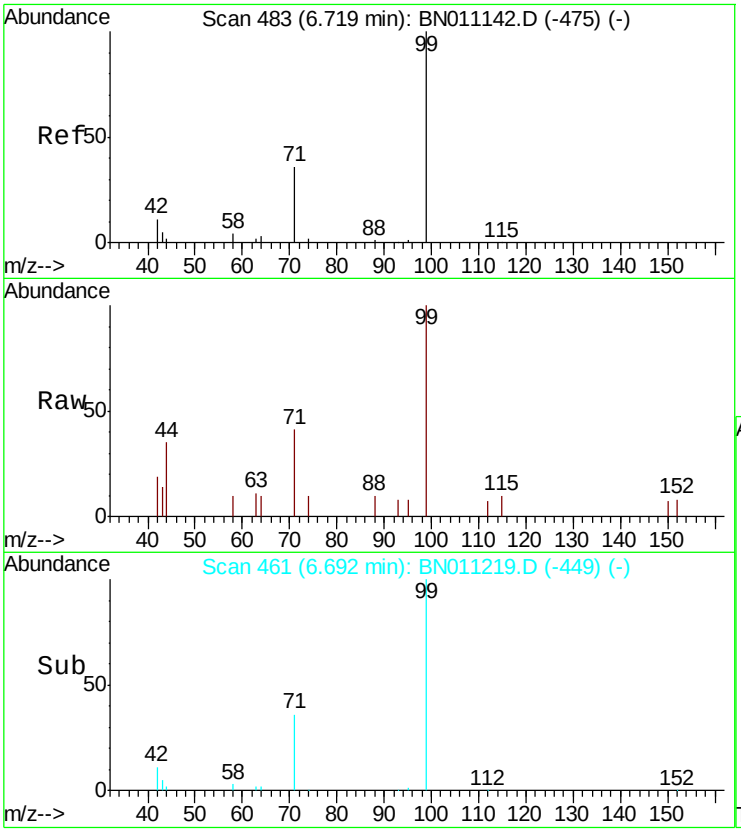


#4
2-Fluorophenol
Concen: 0.357 ng
RT: 5.15 min Scan# 269
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:112 Resp: 1226

Ion	Ratio	Lower	Upper
112	100		
64	48.0	36.7	55.1
63	28.6	20.4	30.6



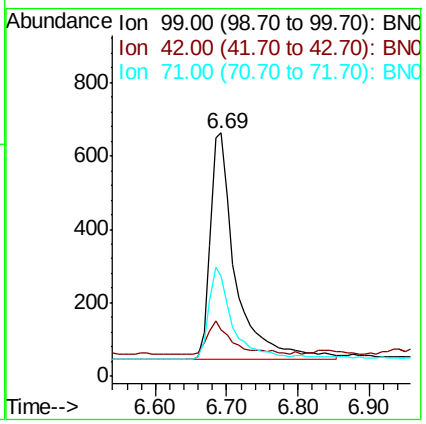


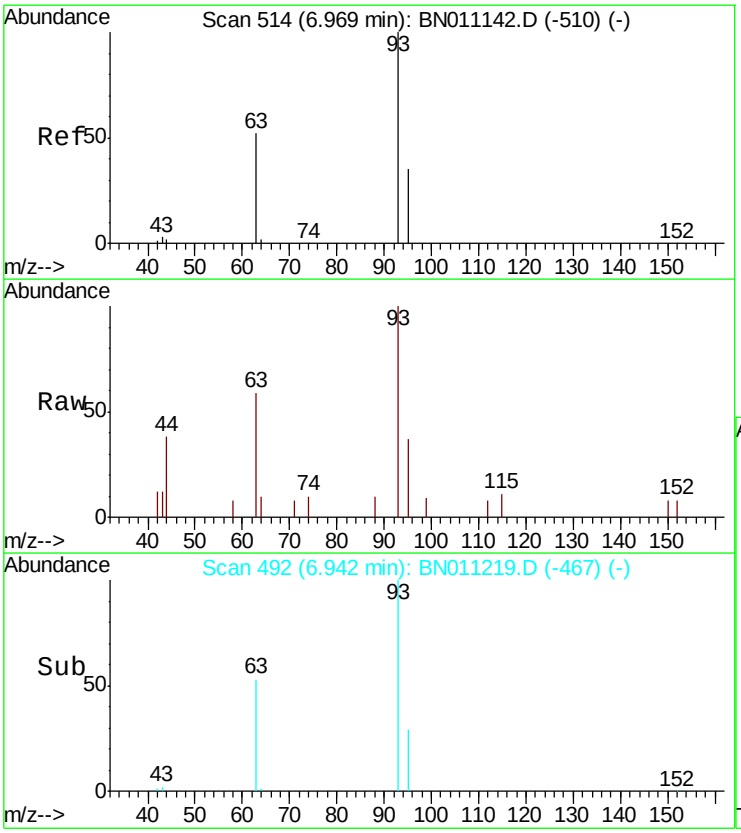
#5
Phenol-d6
Concen: 0.393 ng
RT: 6.69 min Scan# 461
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion: 99 Resp: 1524

Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.8	16.2
71	37.1	31.3	46.9

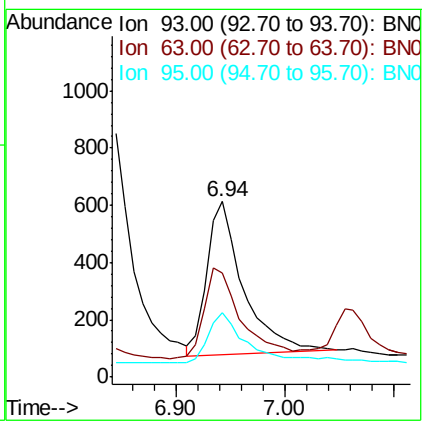


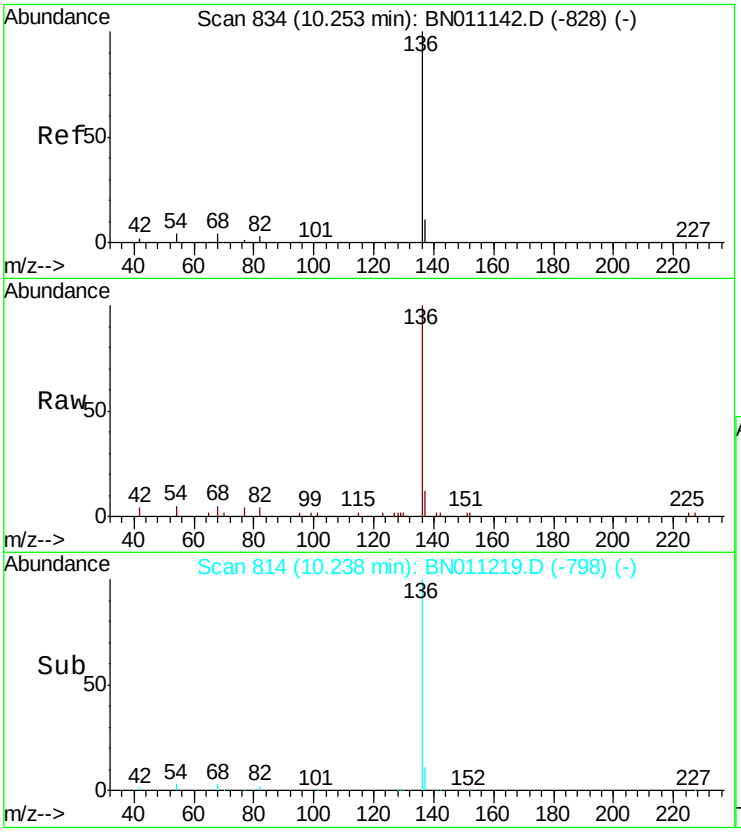


#6
bis(2-Chloroethyl)ether
Concen: 0.352 ng
RT: 6.94 min Scan# 492
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion: 93 Resp: 1249

Ion	Ratio	Lower	Upper
93	100		
63	61.3	47.4	71.0
95	36.3	28.1	42.1



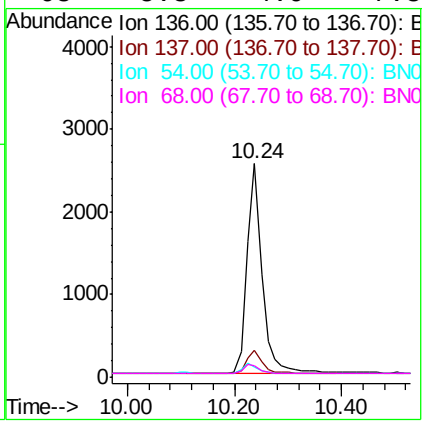


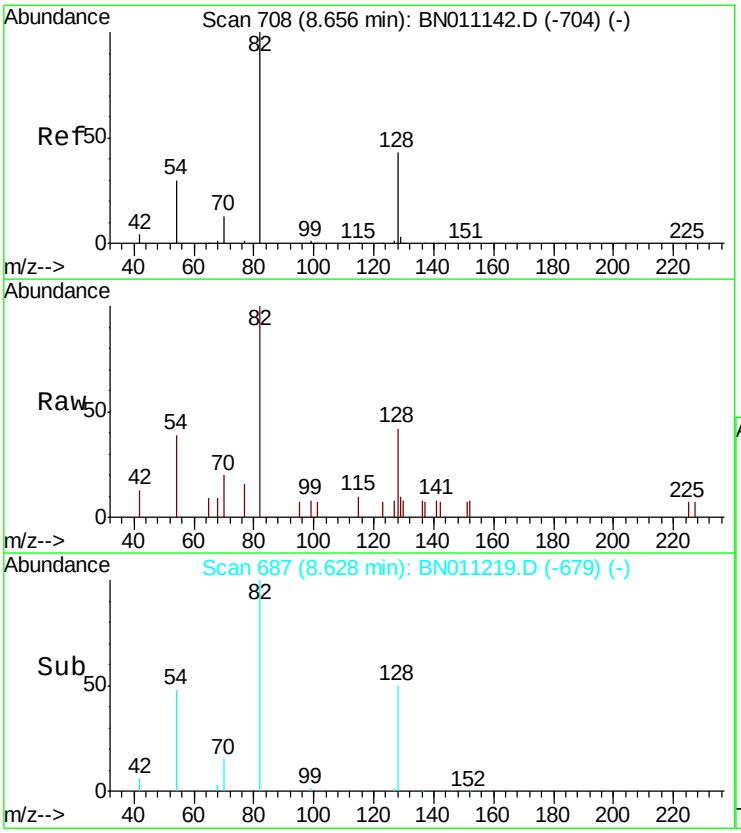
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.24 min Scan# 814
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:136 Resp: 4927

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.3	15.5
54	5.0	4.9	7.3
68	5.3	4.9	7.3

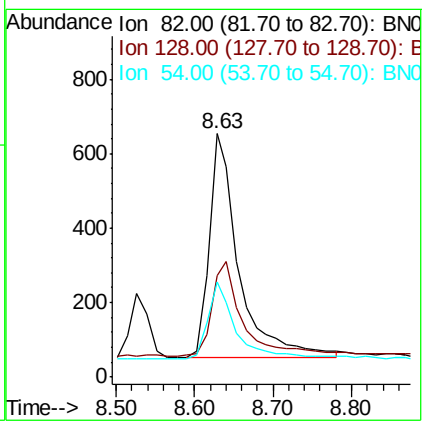


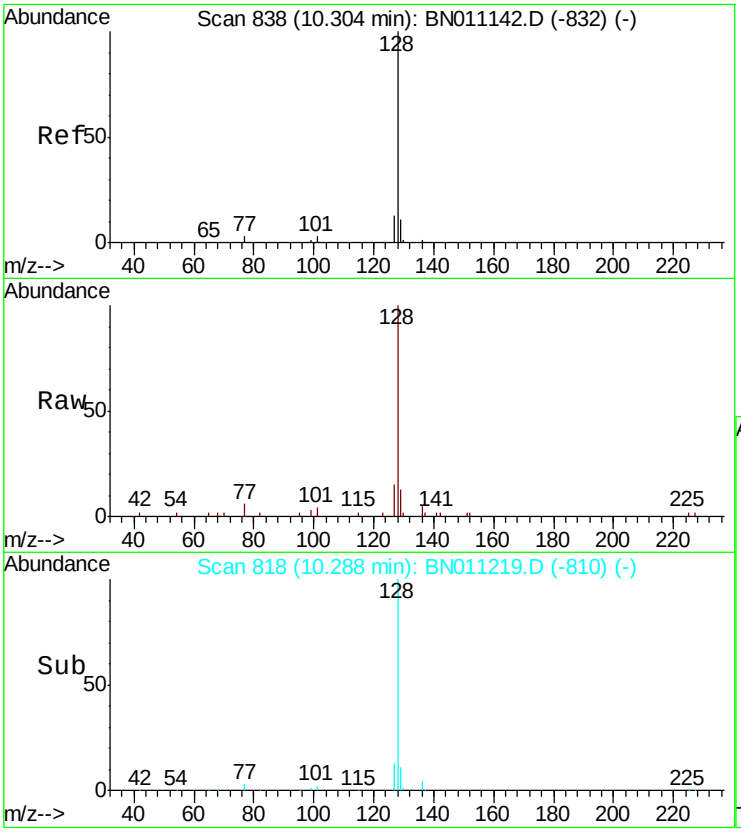


#8
Nitrobenzene-d5
Concen: 0.366 ng
RT: 8.63 min Scan# 687
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion: 82 Resp: 1598

Ion	Ratio	Lower	Upper
82	100		
128	41.9	38.1	57.1
54	39.1	27.1	40.7



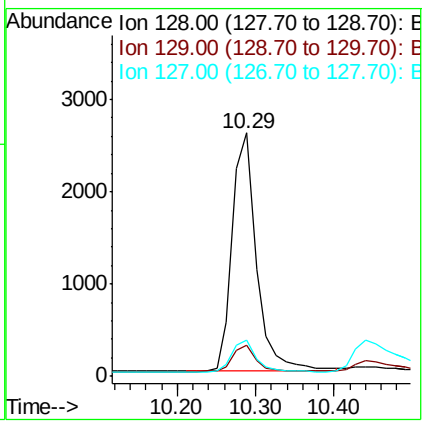


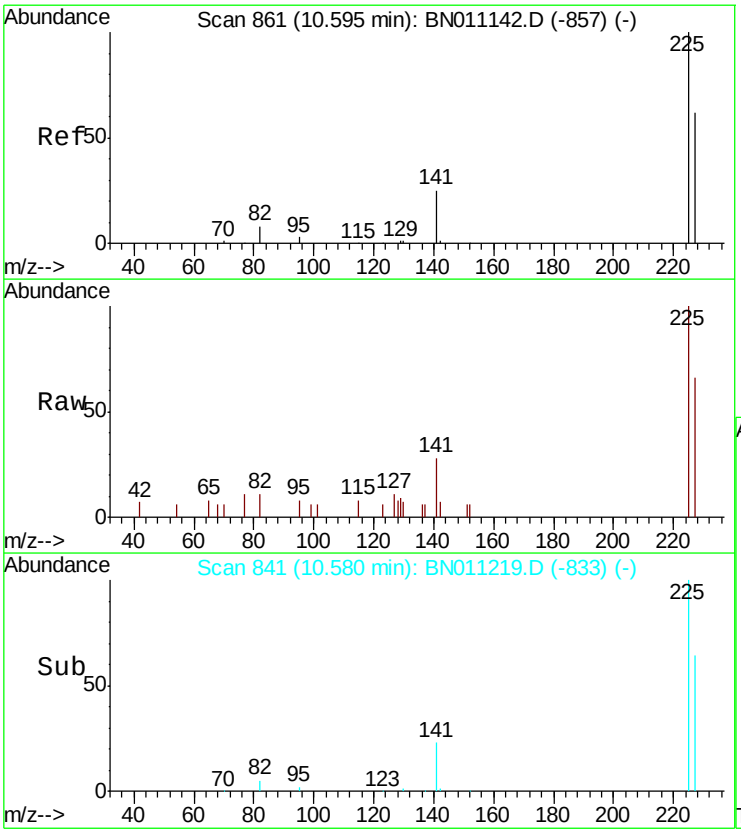
#9
Naphthalene
Concen: 0.380 ng
RT: 10.29 min Scan# 818
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:128 Resp: 5567

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.8	14.6
127	14.6	11.8	17.6

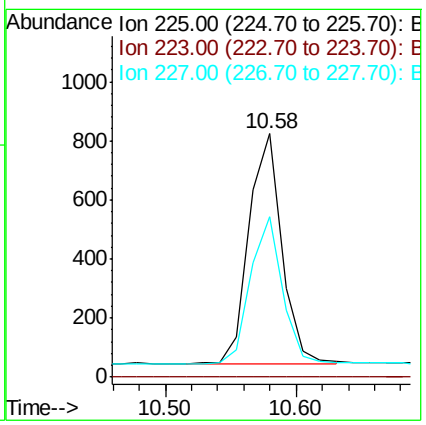


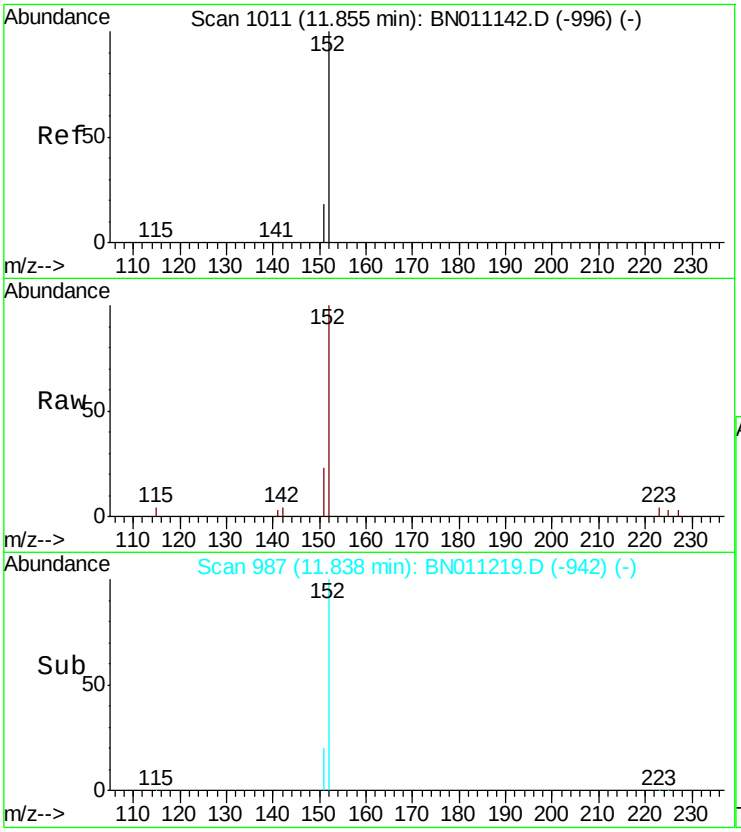


#10
Hexachlorobutadiene
Concen: 0.372 ng
RT: 10.58 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:225 Resp: 1352

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.4	51.2	76.8



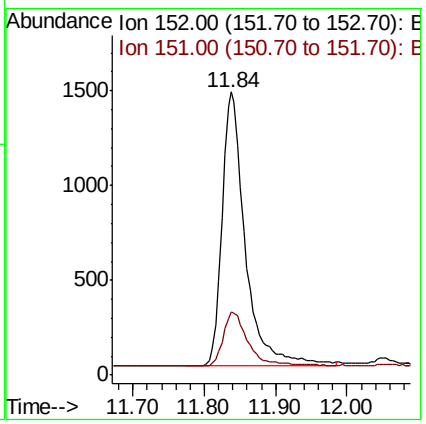


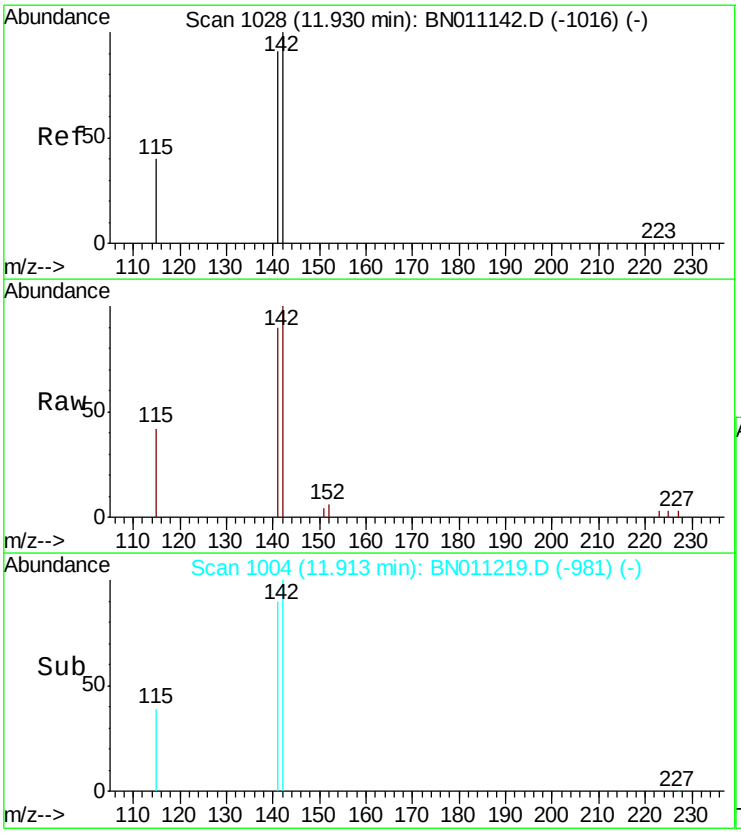
#11
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 11.84 min Scan# 987
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:152 Resp: 3308

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.5	24.7

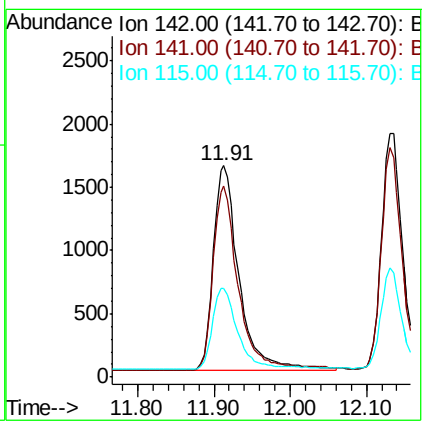


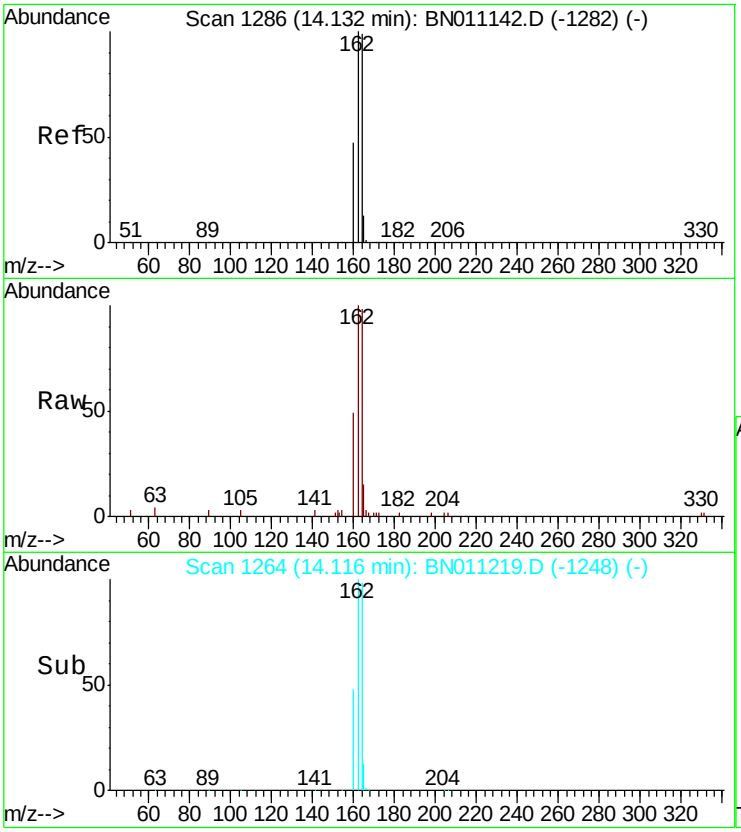


#12
2-Methylnaphthalene
Concen: 0.410 ng
RT: 11.91 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:142 Resp: 3779

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.7	109.1
115	41.7	33.8	50.6



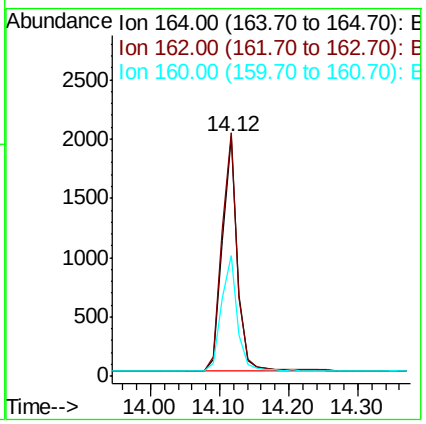


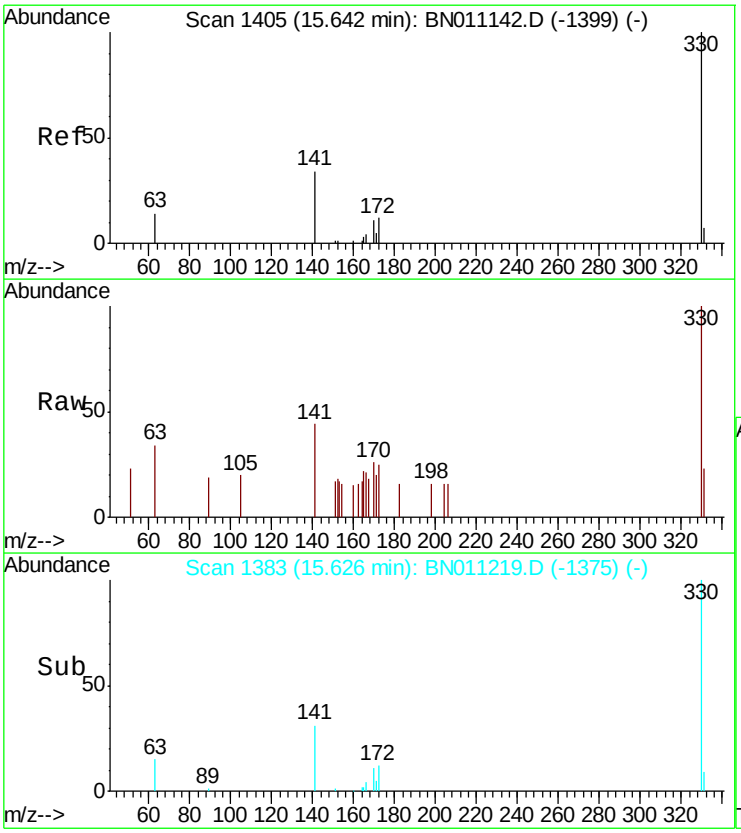
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.12 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:164 Resp: 3035

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.0	121.4
160	50.1	39.0	58.6

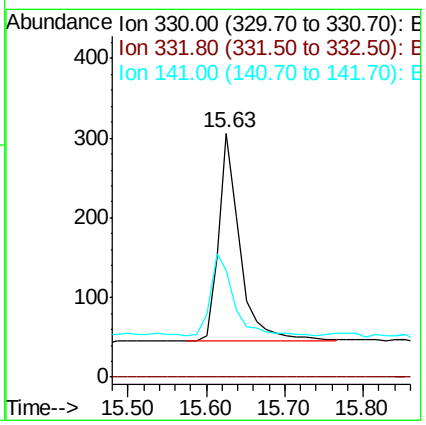


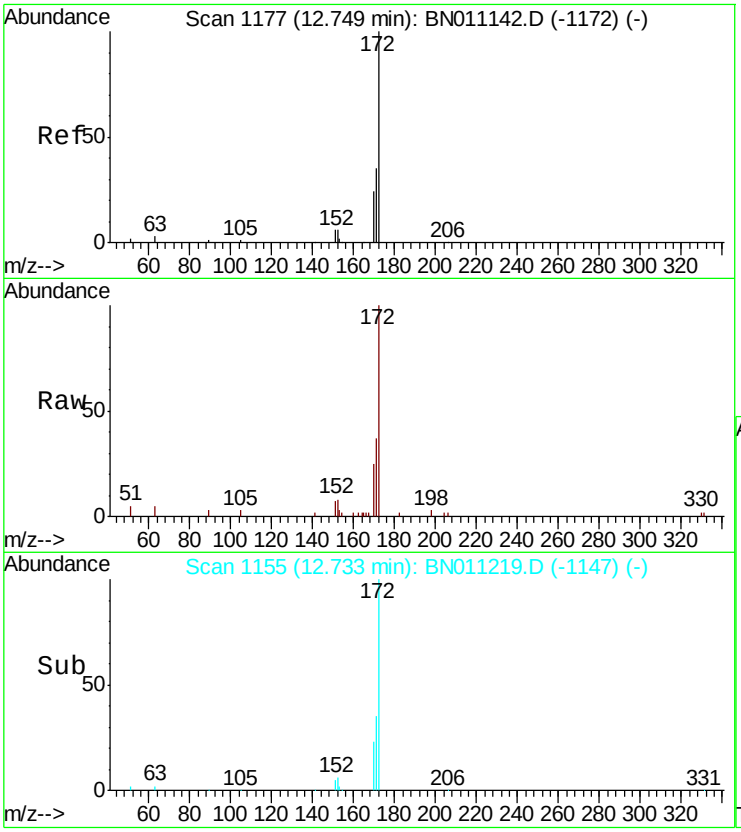


#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.63 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:330 Resp: 502

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.6	31.5	47.3



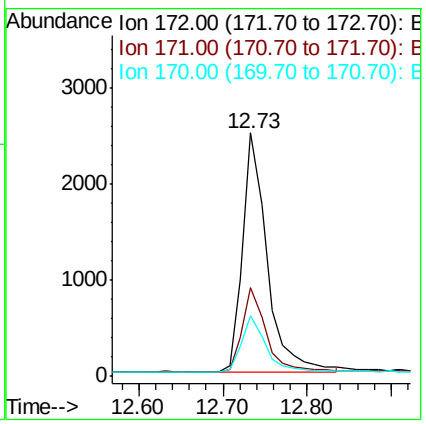


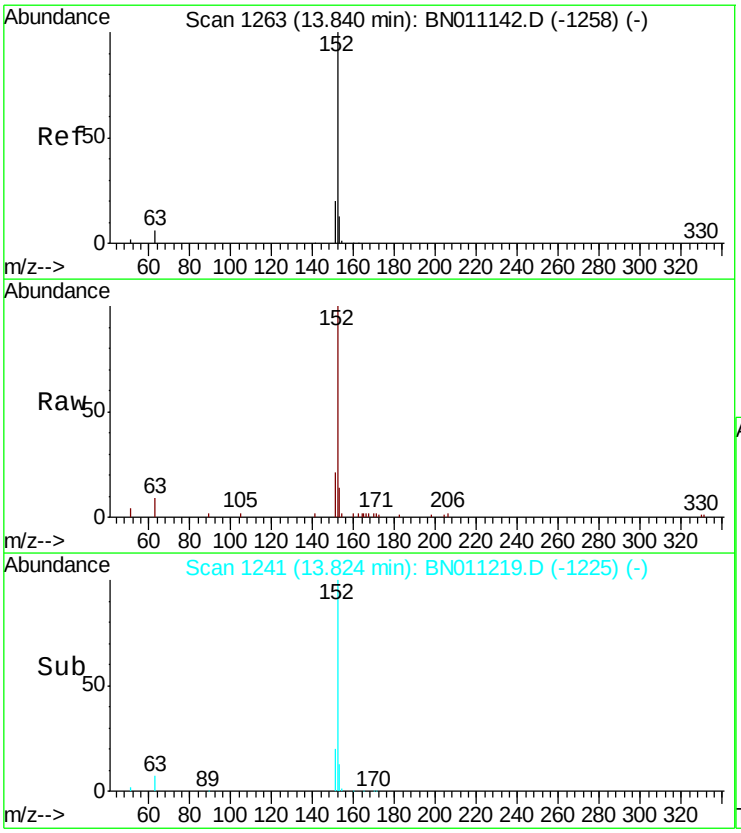
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 12.73 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:172 Resp: 5043

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.6
170	24.8	20.3	30.5

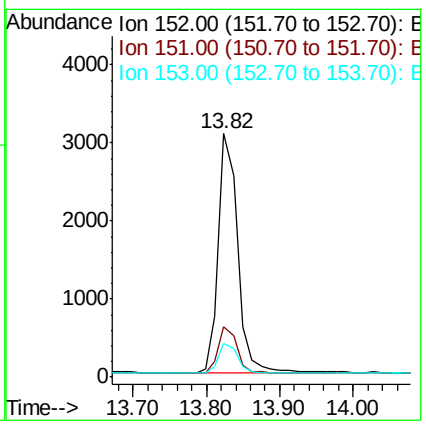


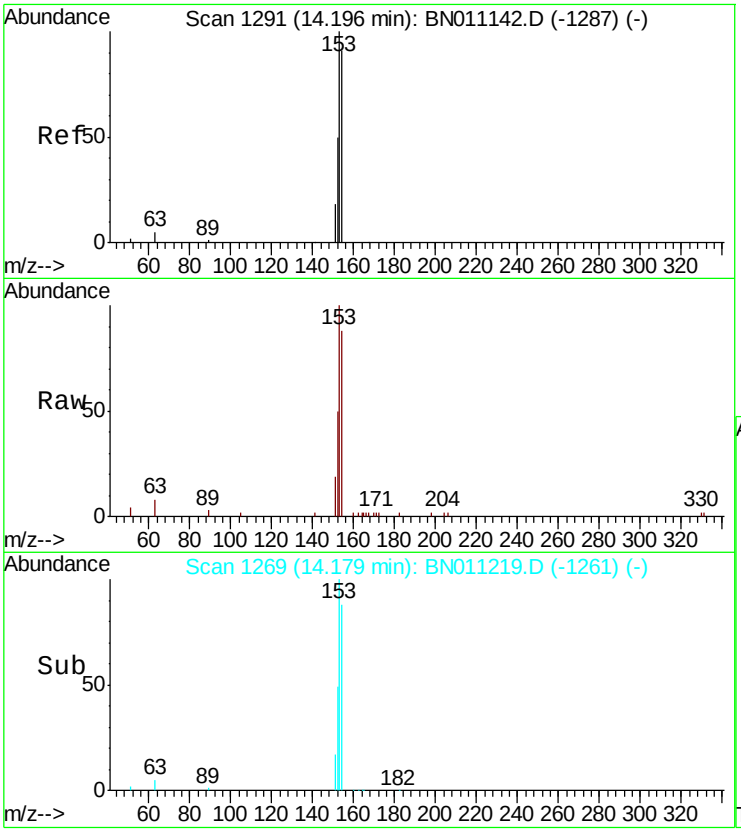


#16
Acenaphthylene
Concen: 0.365 ng
RT: 13.82 min Scan# 1241
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:152 Resp: 5635

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	12.8	10.6	15.8



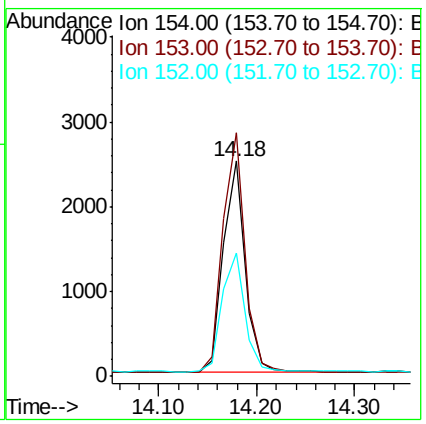


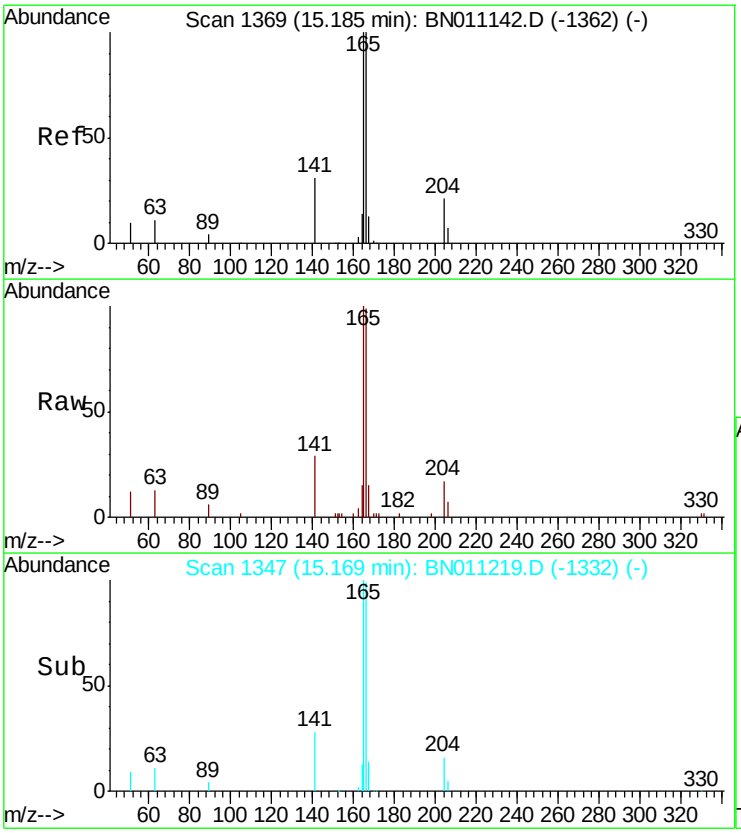
#17
Acenaphthene
Concen: 0.371 ng
RT: 14.18 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:154 Resp: 3820

Ion	Ratio	Lower	Upper
154	100		
153	115.9	91.3	136.9
152	59.7	46.6	69.8

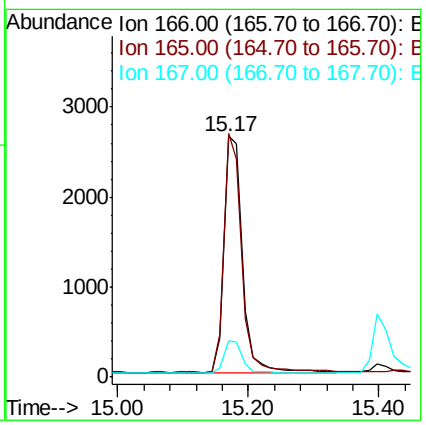


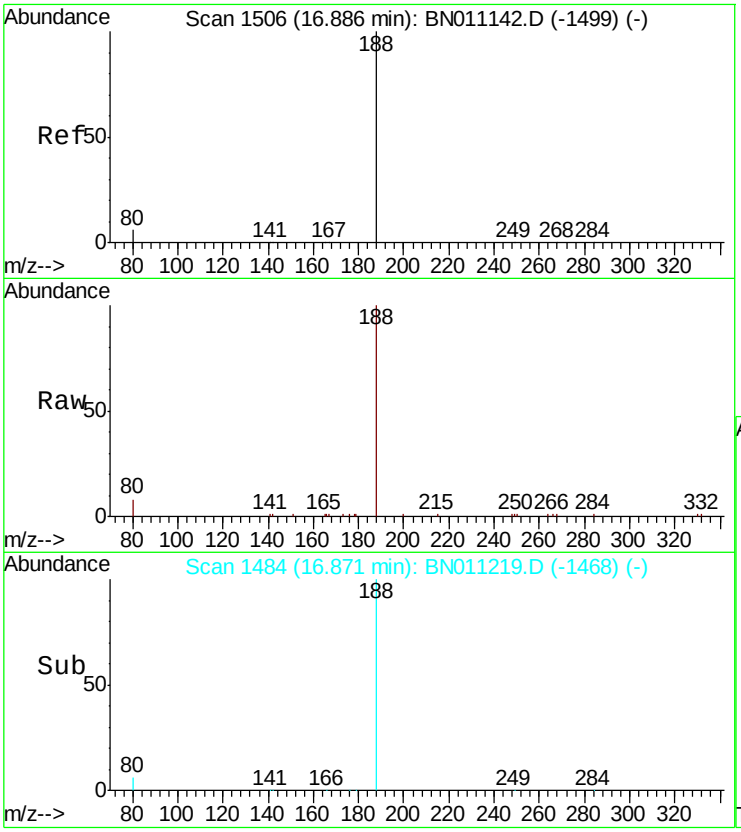


#18
Fluorene
Concen: 0.387 ng
RT: 15.17 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:166 Resp: 5109

Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.1	118.7
167	13.7	10.5	15.7



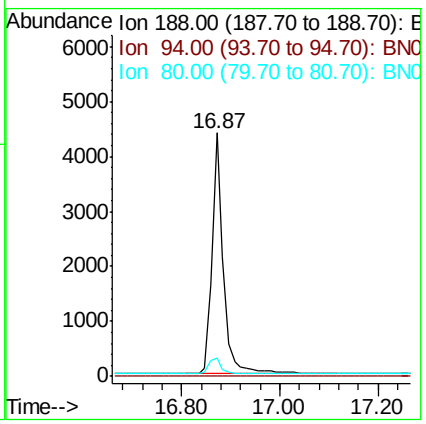


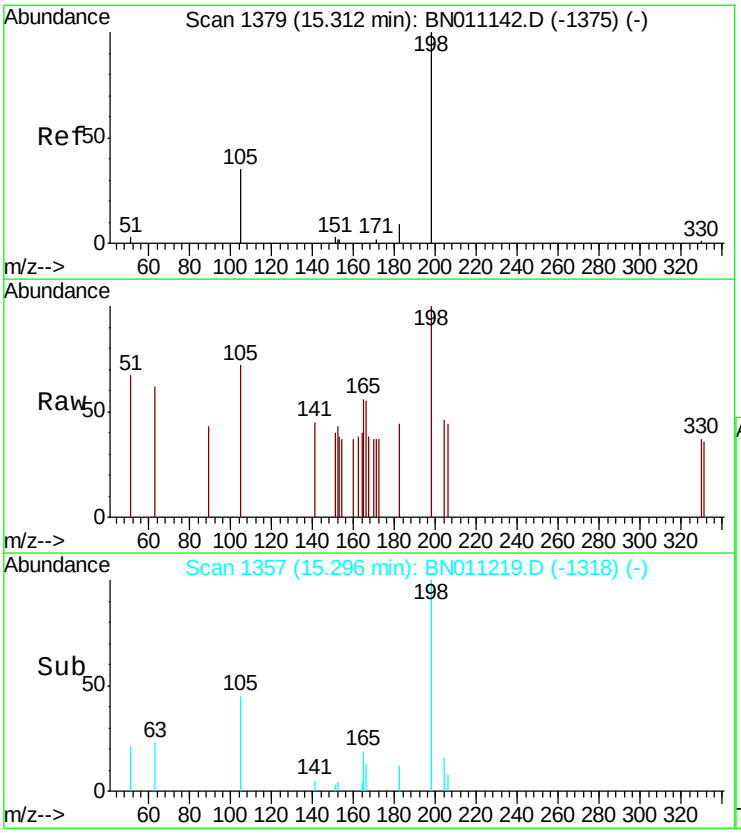
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.87 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:188 Resp: 7034

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	6.3	9.5

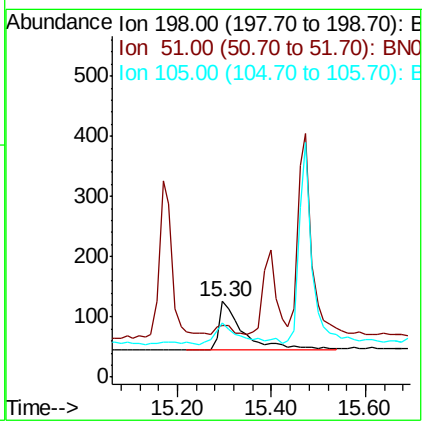


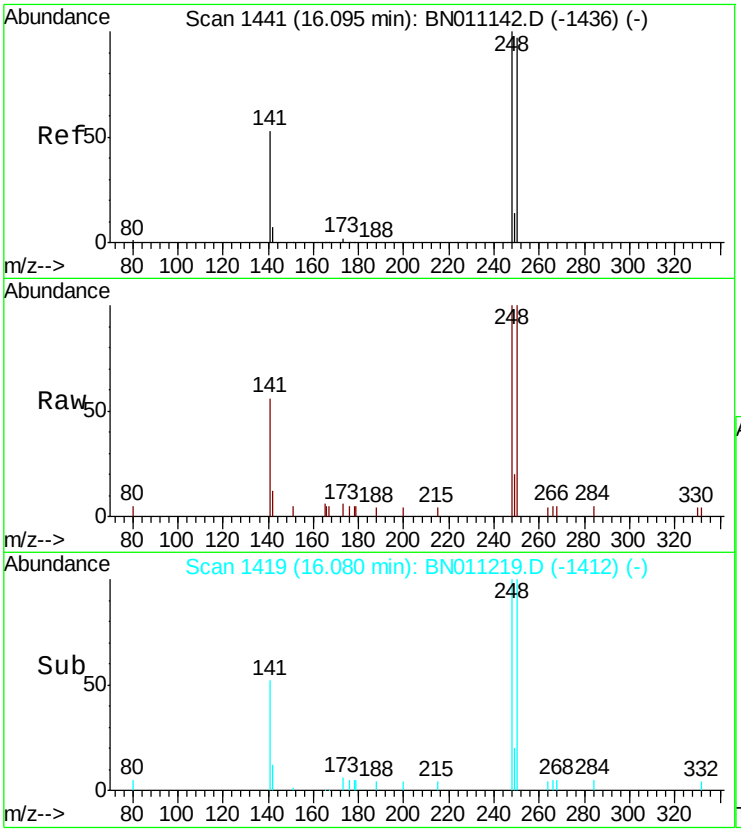


#20
4,6-Dinitro-2-methylphenol
Concen: 0.359 ng
RT: 15.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:198 Resp: 297

Ion	Ratio	Lower	Upper
198	100		
51	67.5	53.1	79.7
105	72.2	51.9	77.9



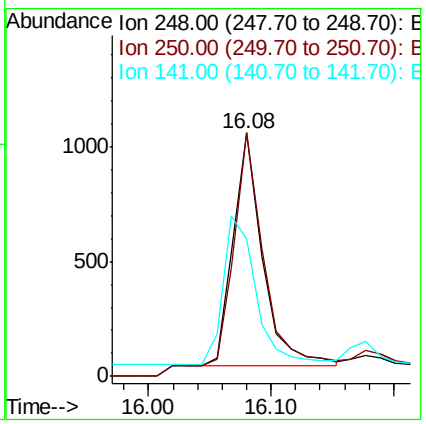


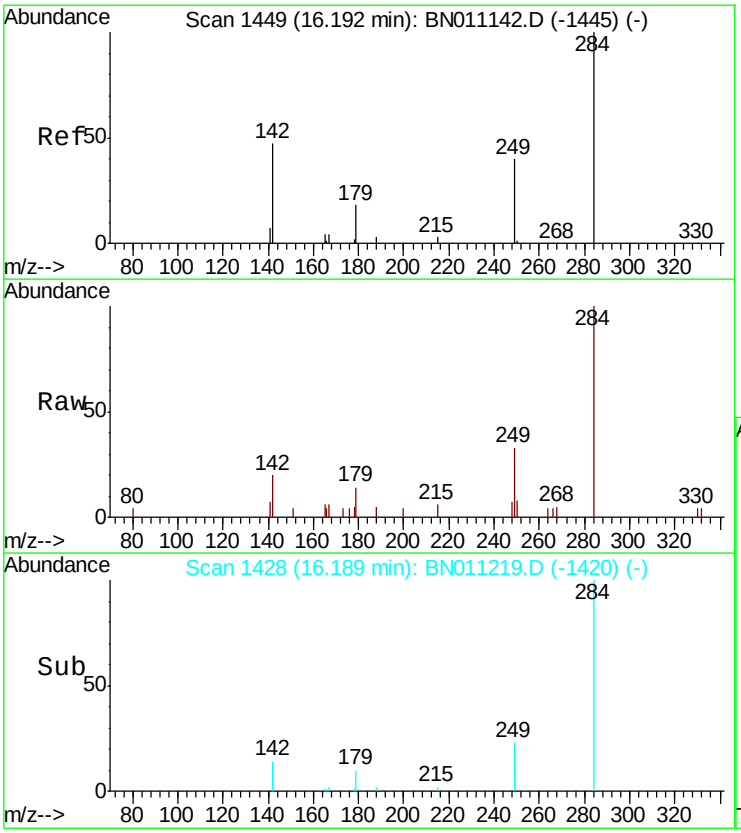
#21
4-Bromophenyl-phenylether
Concen: 0.353 ng
RT: 16.08 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:248 Resp: 1690

Ion	Ratio	Lower	Upper
248	100		
250	99.9	78.4	117.6
141	56.5	45.1	67.7

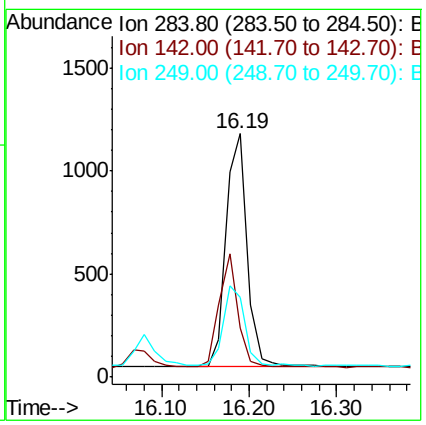


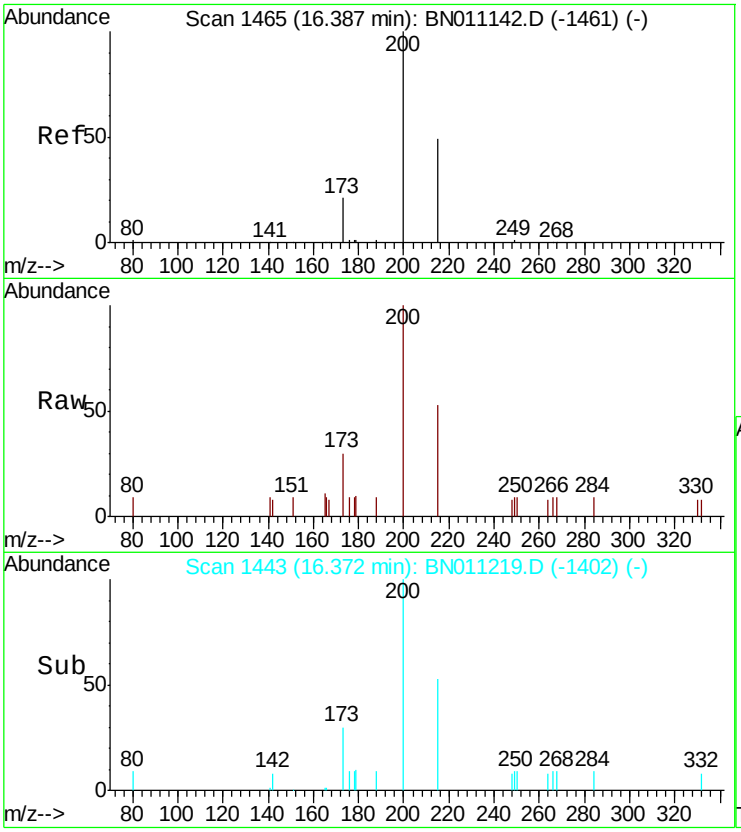


#22
Hexachlorobenzene
Concen: 0.340 ng
RT: 16.19 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:284 Resp: 1889

Ion	Ratio	Lower	Upper
284	100		
142	43.0	32.6	48.8
249	35.2	28.4	42.6



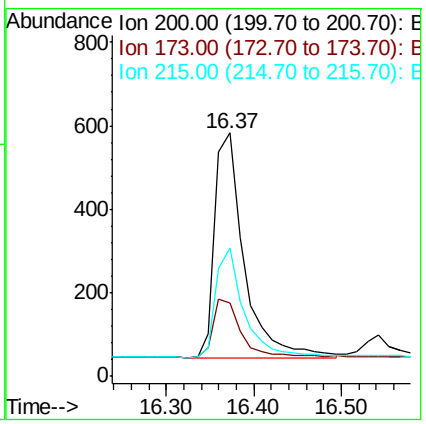


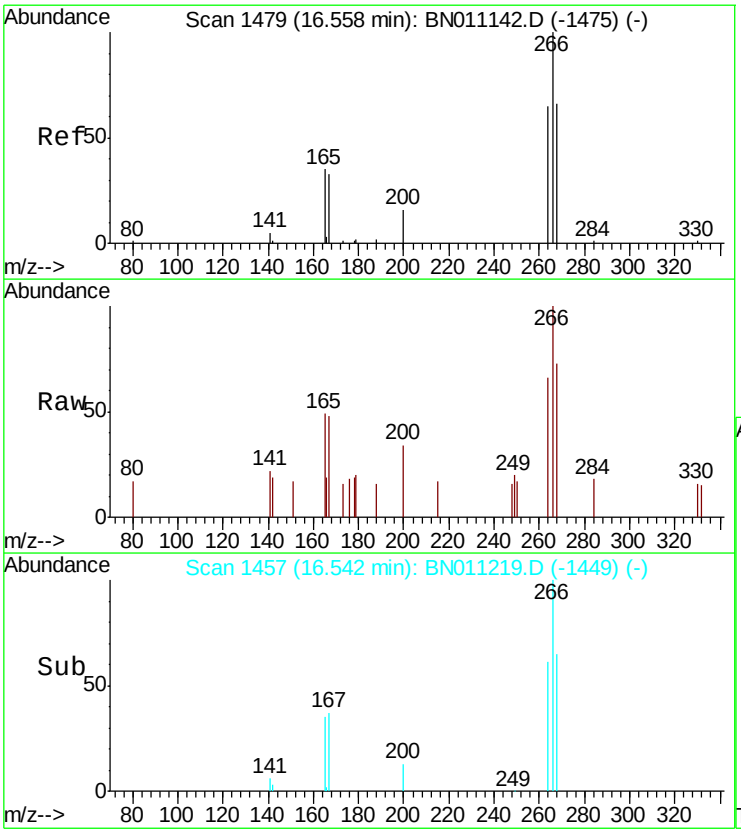
#23
Atrazine
Concen: 0.376 ng
RT: 16.37 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:200 Resp: 1260

Ion	Ratio	Lower	Upper
200	100		
173	30.0	23.0	34.4
215	52.7	42.6	63.8

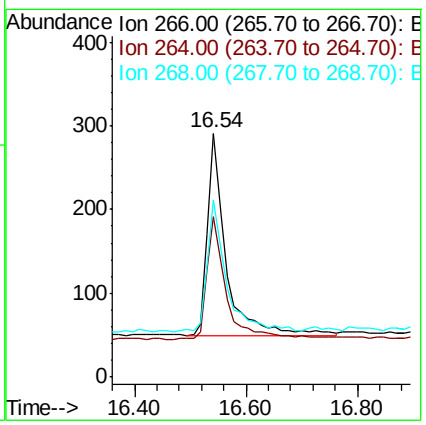


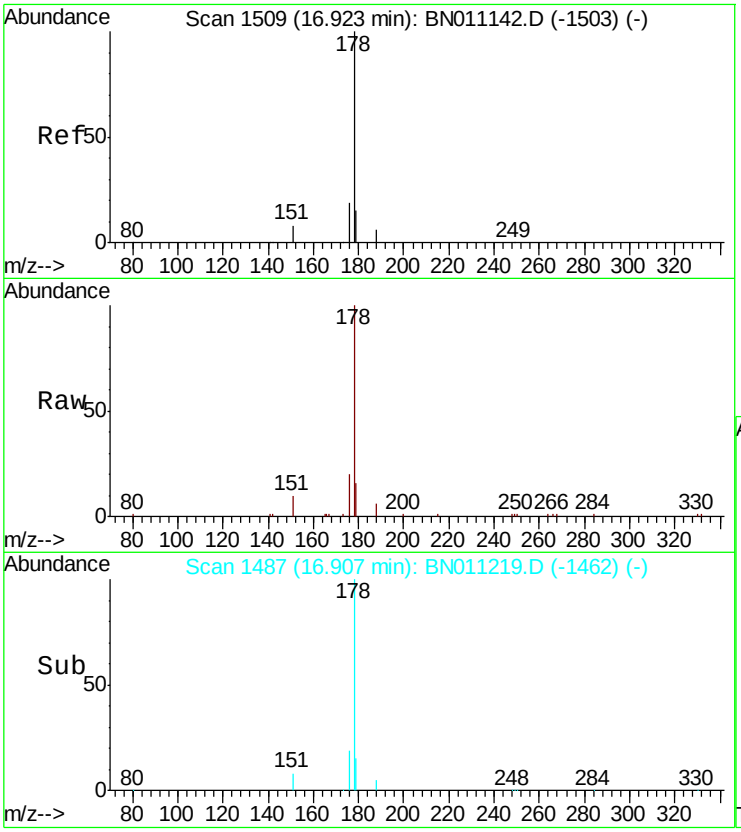


#24
Pentachlorophenol
Concen: 0.343 ng
RT: 16.54 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:266 Resp: 567

Ion	Ratio	Lower	Upper
266	100		
264	62.6	52.5	78.7
268	65.4	48.9	73.3



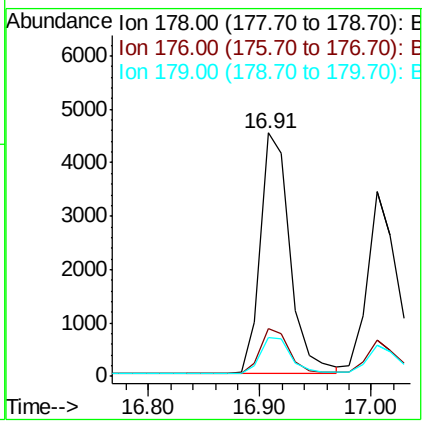


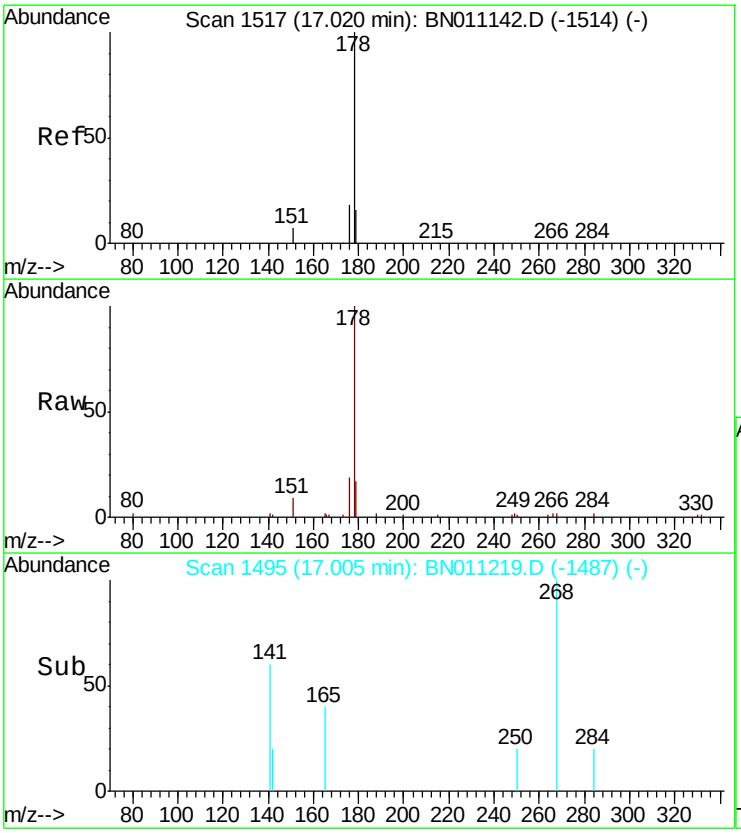
#25
Phenanthrene
Concen: 0.371 ng
RT: 16.91 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:178 Resp: 8374

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.4	12.6	18.8

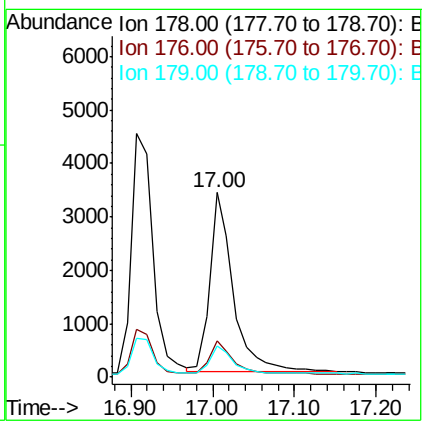


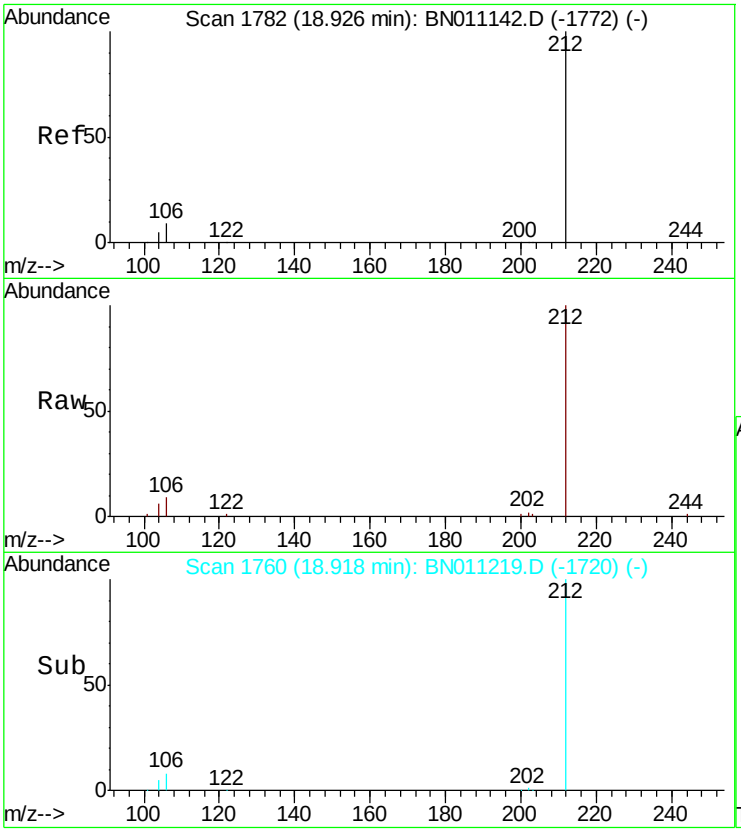


#26
Anthracene
Concen: 0.355 ng
RT: 17.00 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:178 Resp: 6672

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.5	21.7
179	15.5	12.0	18.0



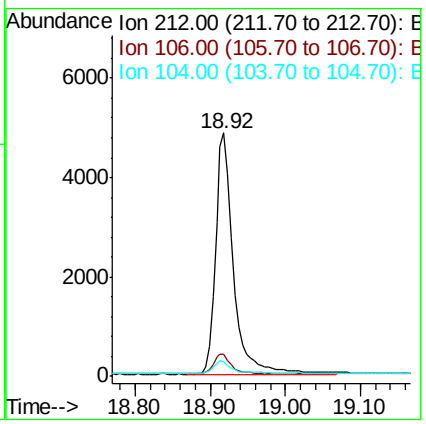


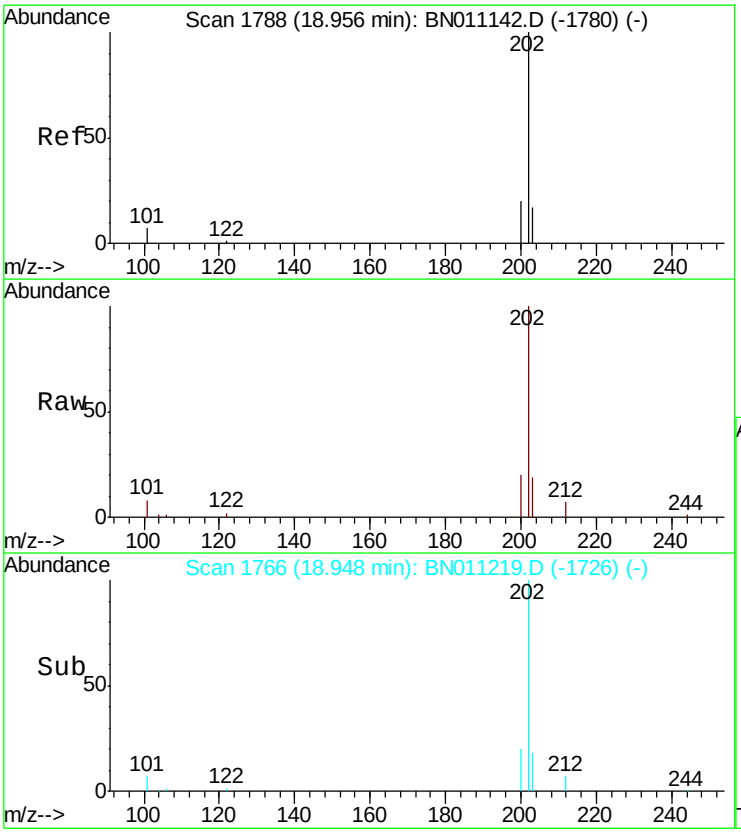
#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 18.92 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:212 Resp: 8118

Ion	Ratio	Lower	Upper
212	100		
106	8.5	7.0	10.6
104	4.9	4.2	6.4

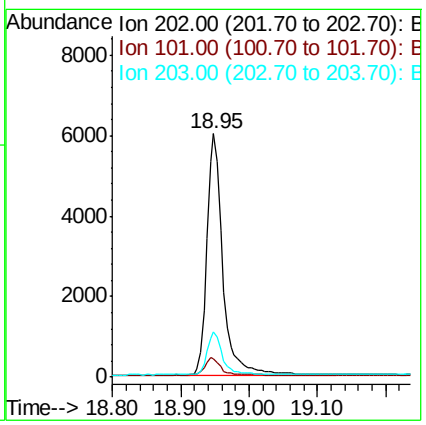


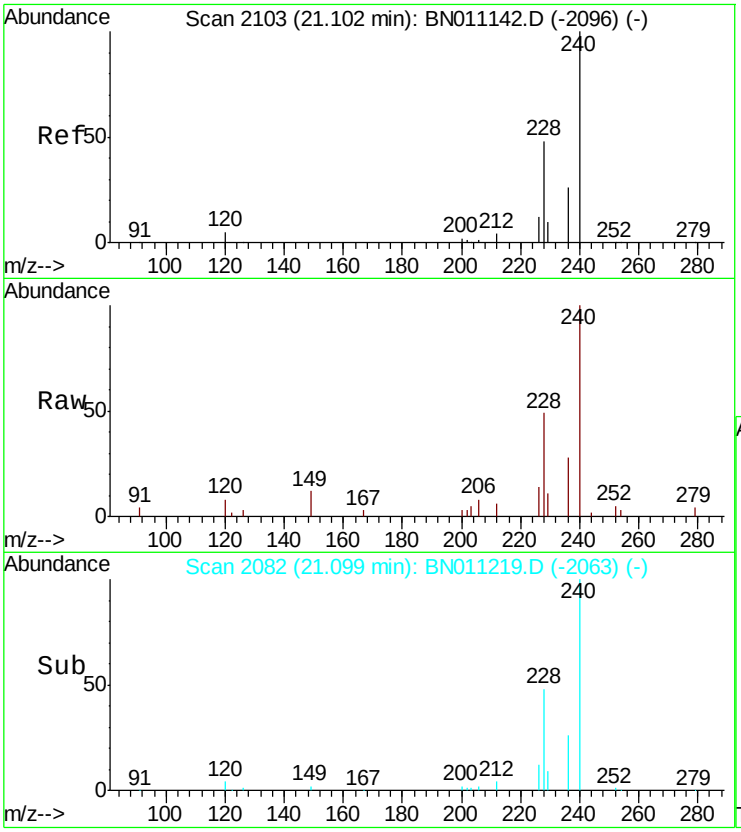


#28
Fluoranthene
Concen: 0.362 ng
RT: 18.95 min Scan# 1766
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:202 Resp: 9819

Ion	Ratio	Lower	Upper
202	100		
101	7.3	5.9	8.9
203	17.0	13.6	20.4



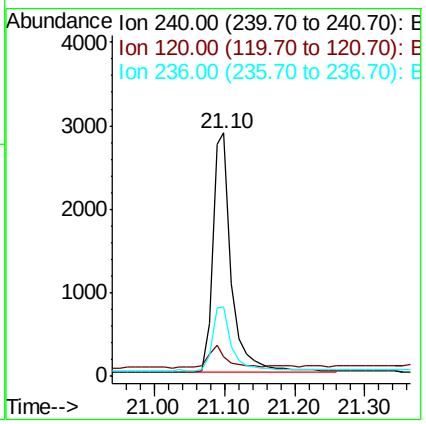


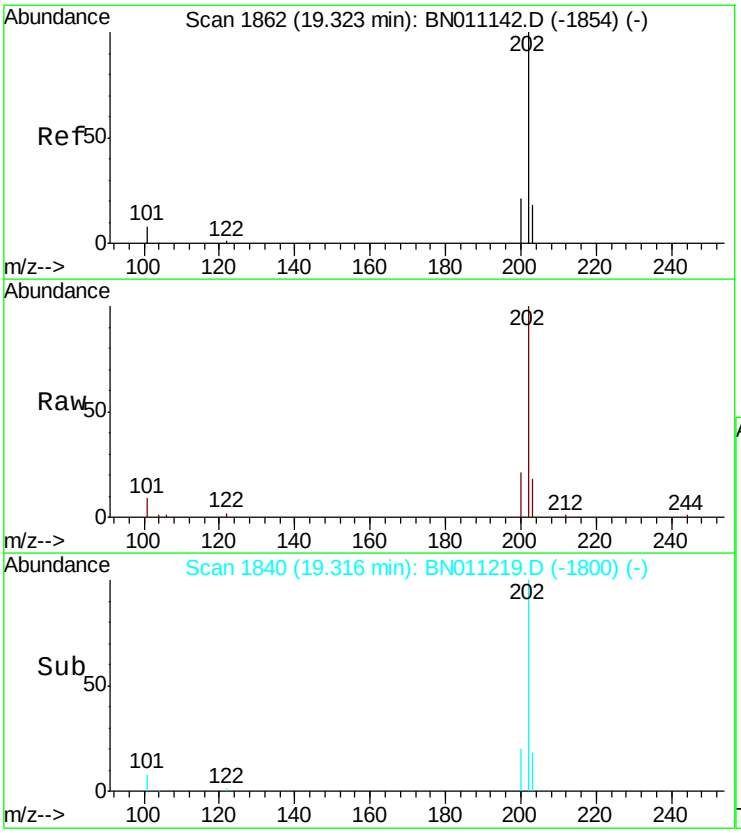
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.10 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:240 Resp: 5386

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	28.3	21.9	32.9

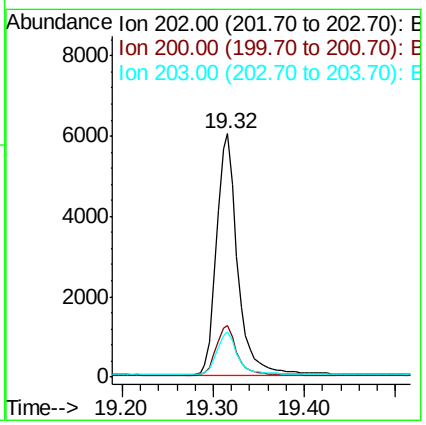


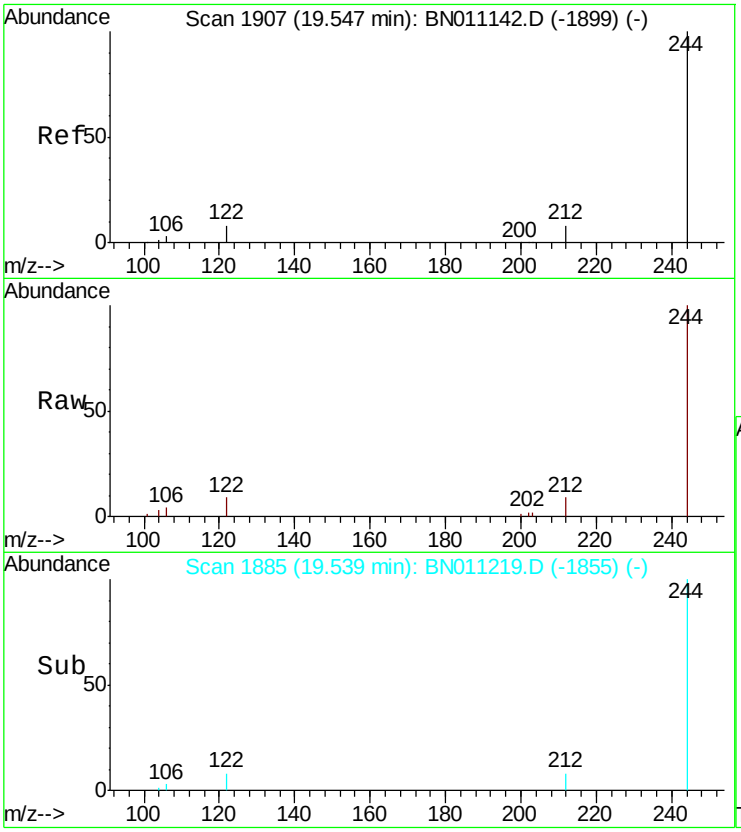


#30
Pyrene
Concen: 0.467 ng
RT: 19.32 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:202 Resp: 9595

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	17.5	14.2	21.4



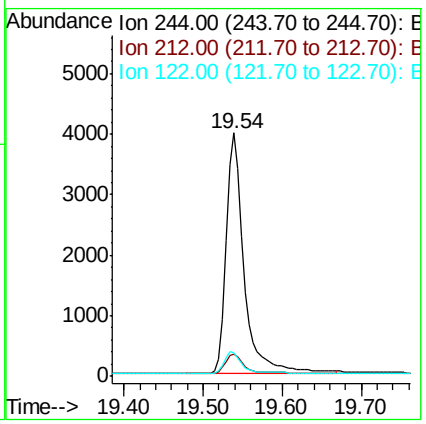


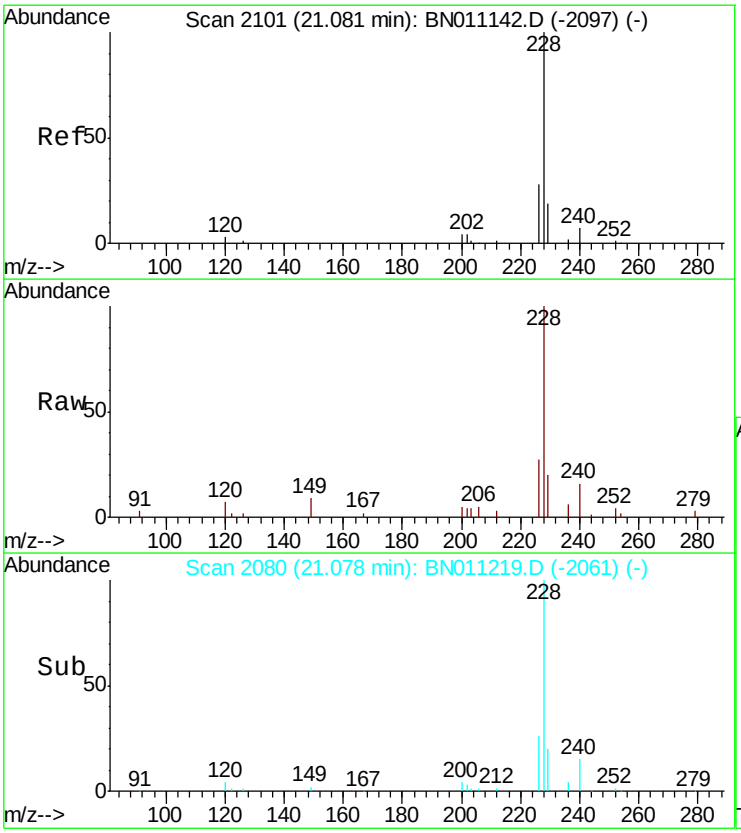
#31
Terphenyl-d14
Concen: 0.457 ng
RT: 19.54 min Scan# 1885
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:244 Resp: 6404

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.8	11.6
122	9.5	7.4	11.0

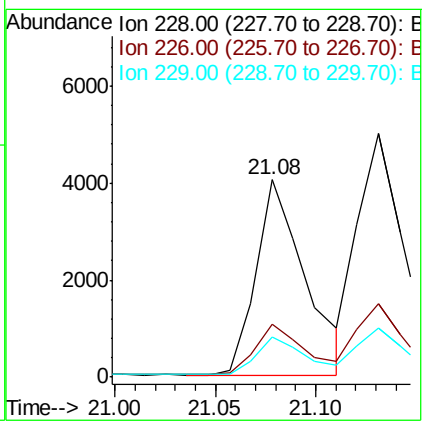


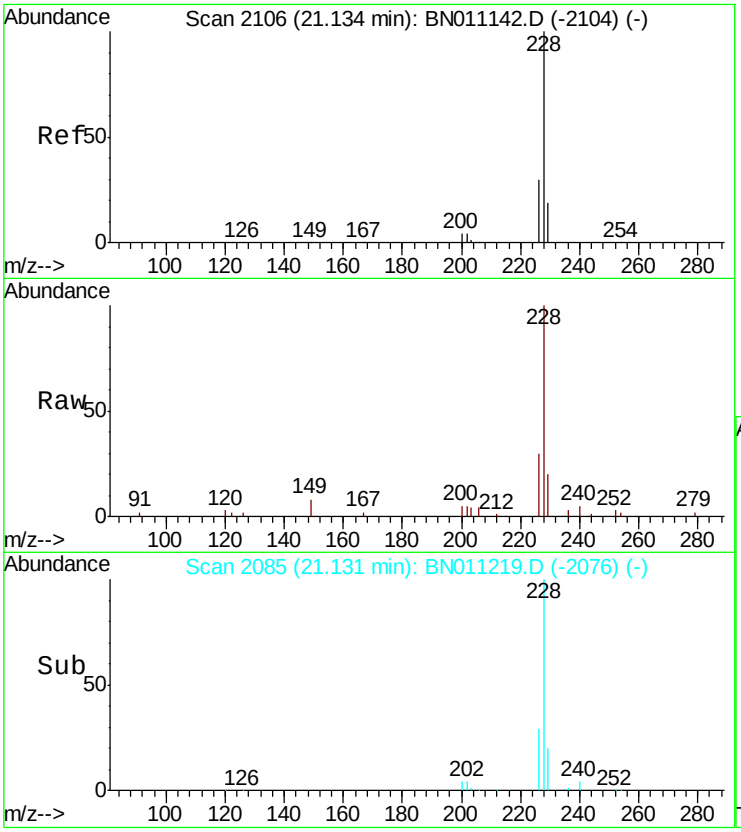


#32
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.08 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:228 Resp: 6831

Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.2	34.8
229	20.5	16.2	24.4



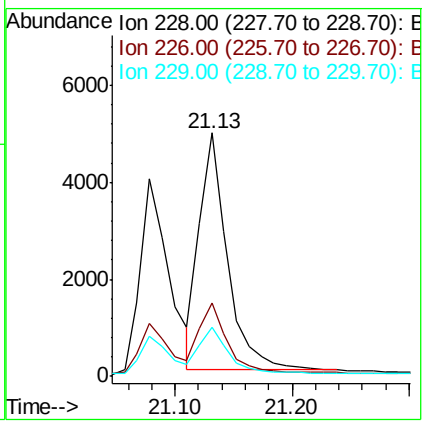


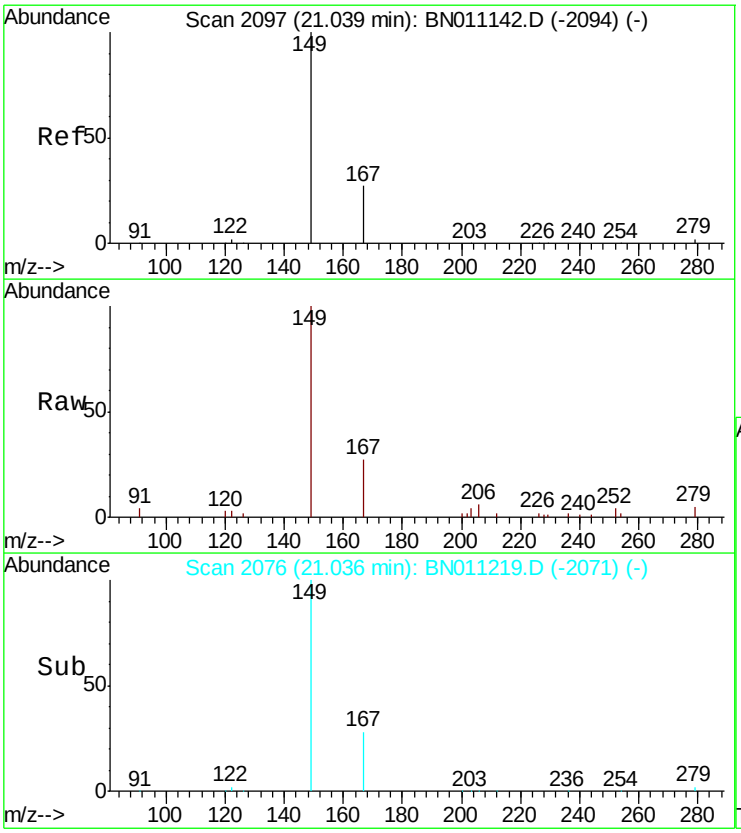
#33
Chrysene
Concen: 0.385 ng
RT: 21.13 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:228 Resp: 8217

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	20.4	16.2	24.4

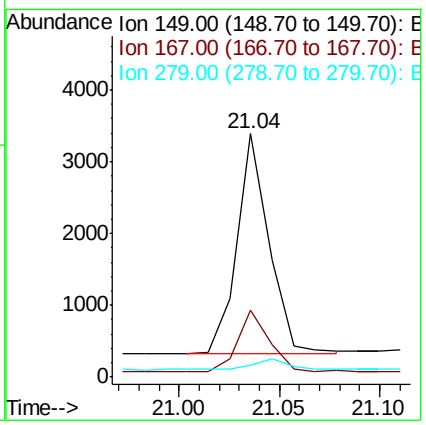


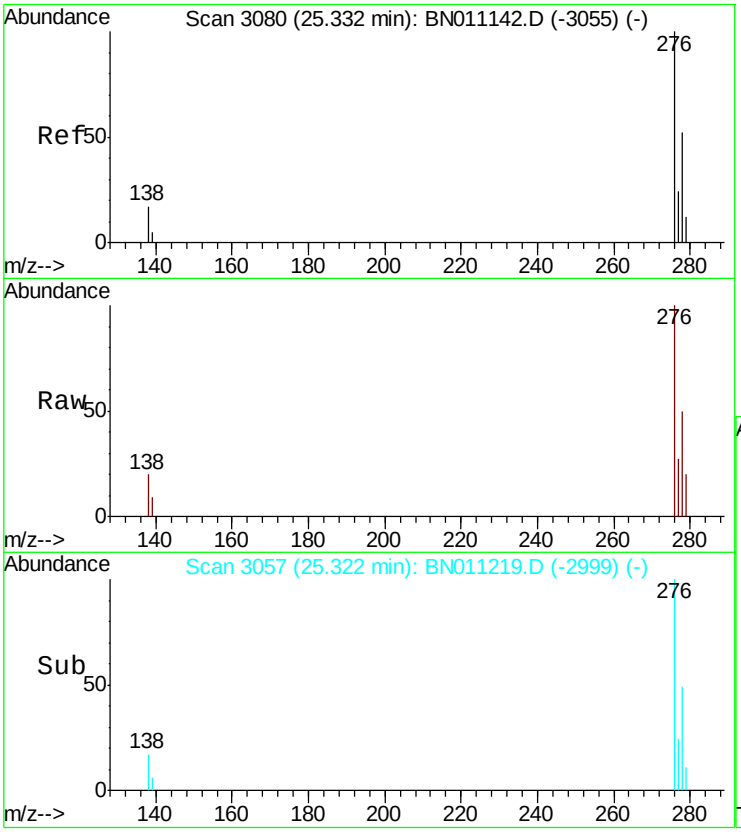


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.474 ng
RT: 21.04 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:149 Resp: 3404

Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.4	35.0
279	4.7	4.5	6.7



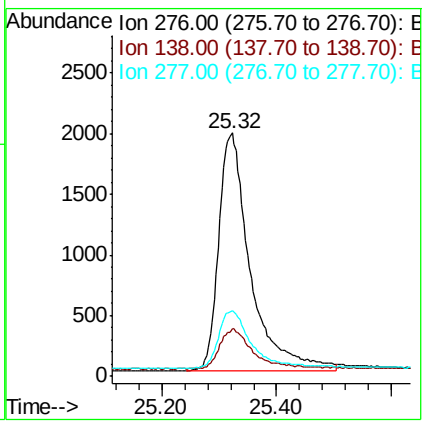


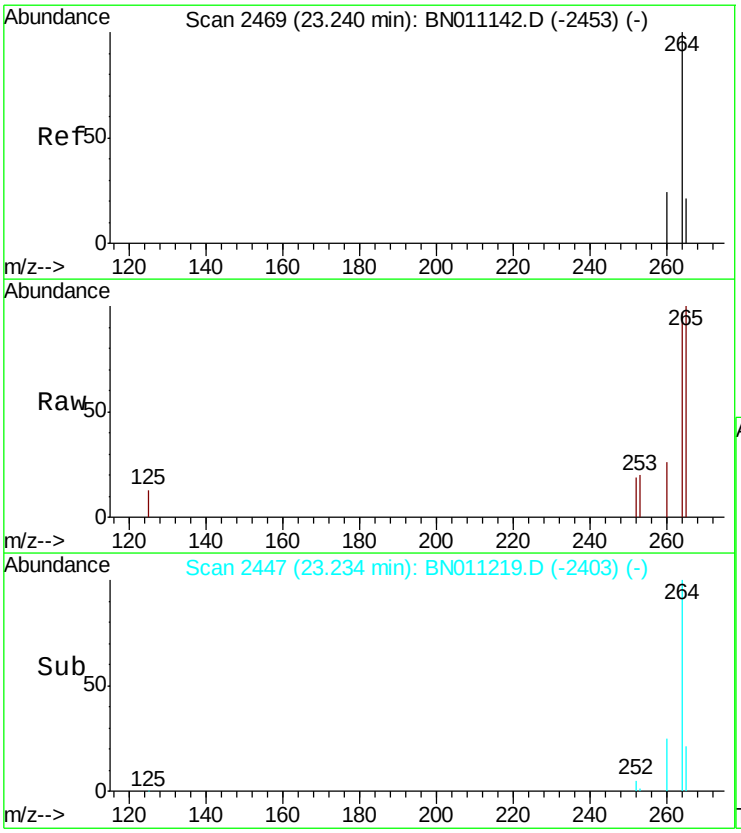
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.327 ng
RT: 25.32 min Scan# 3057
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:276 Resp: 7470

Ion	Ratio	Lower	Upper
276	100		
138	17.0	13.0	19.6
277	24.3	19.7	29.5

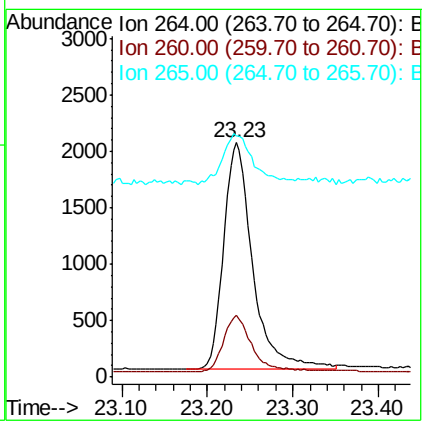


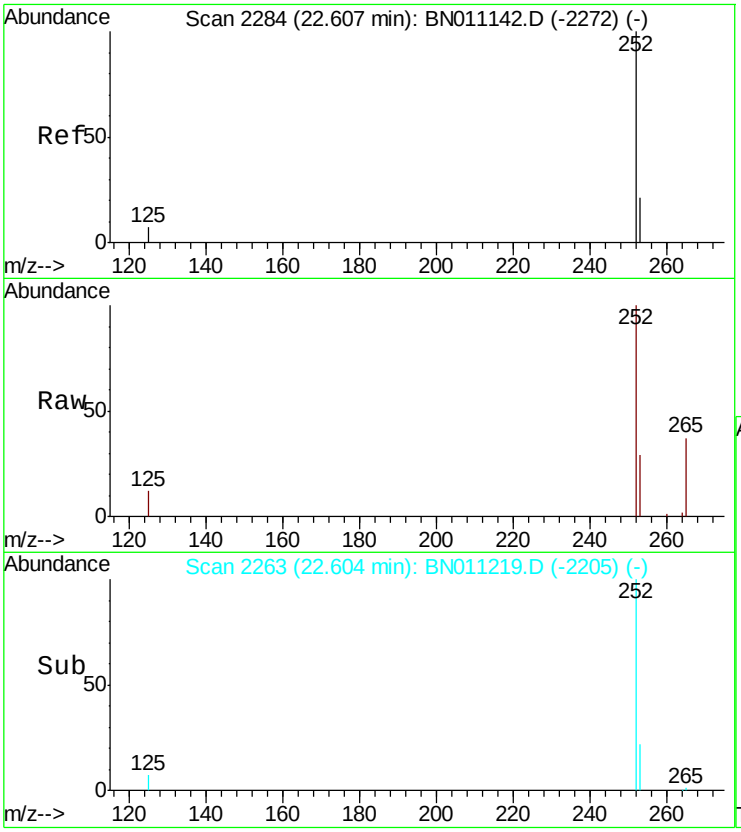


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.23 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:264 Resp: 4759

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.1	30.1
265	103.0	76.6	115.0



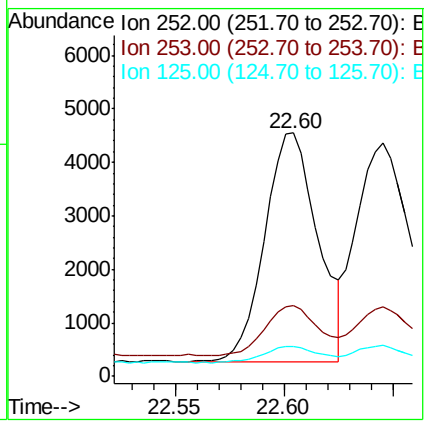


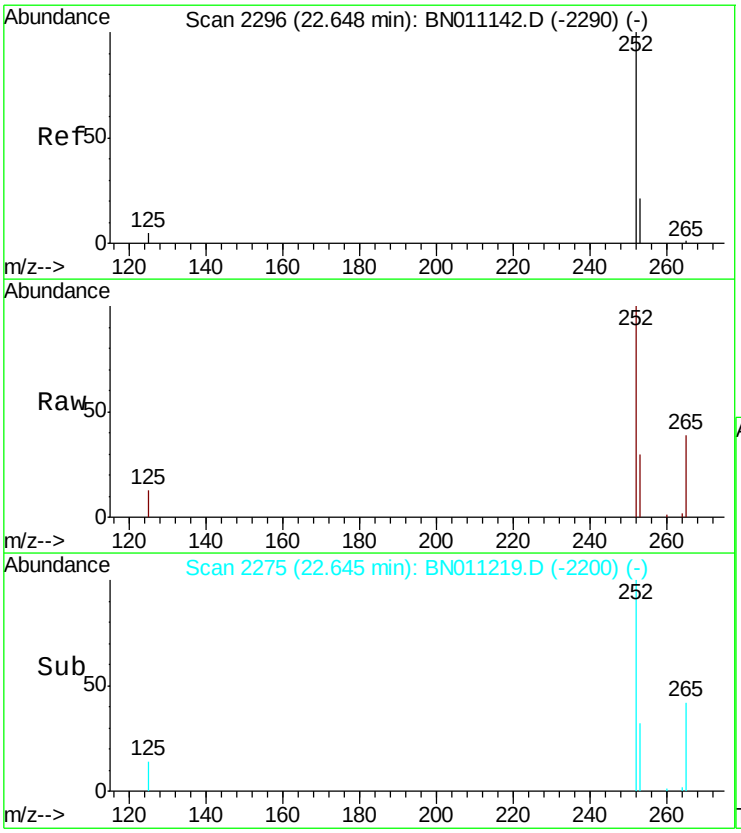
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 22.60 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:252 Resp: 7263

Ion	Ratio	Lower	Upper
252	100		
253	29.2	22.6	34.0
125	12.4	9.6	14.4

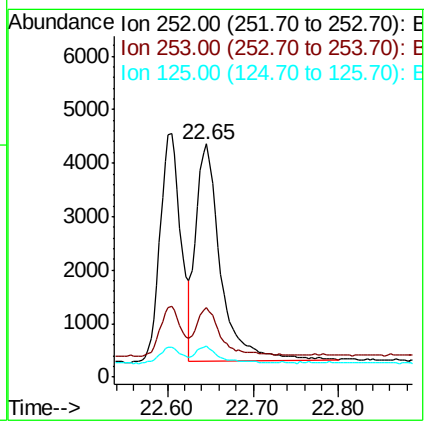


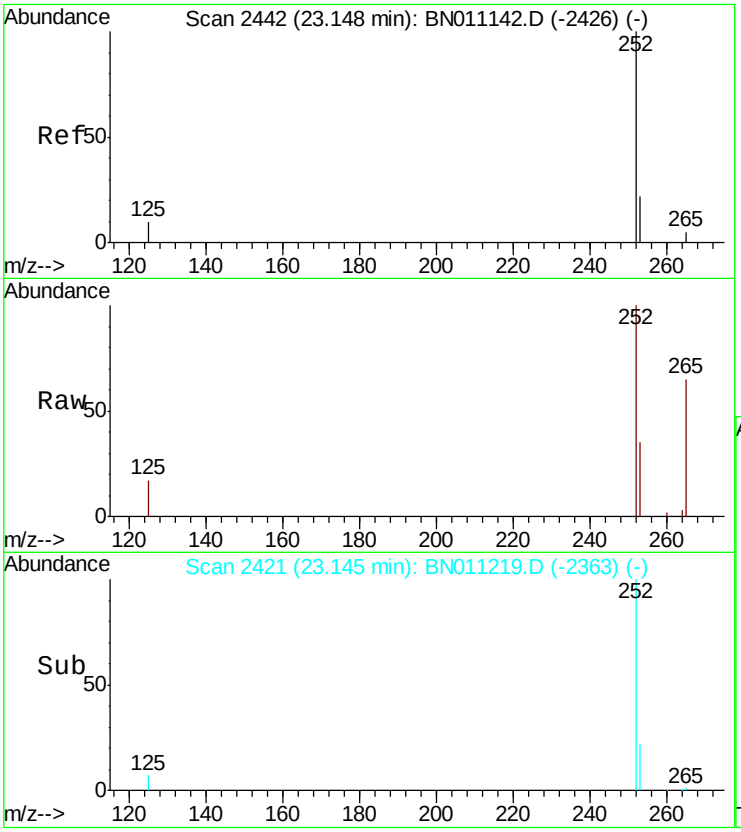


#38
Benzo(k)fluoranthene
Concen: 0.381 ng
RT: 22.65 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:252 Resp: 8239

Ion	Ratio	Lower	Upper
252	100		
253	29.7	22.2	33.4
125	13.2	11.0	16.4



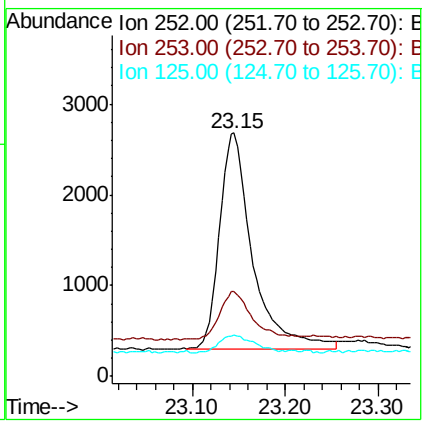


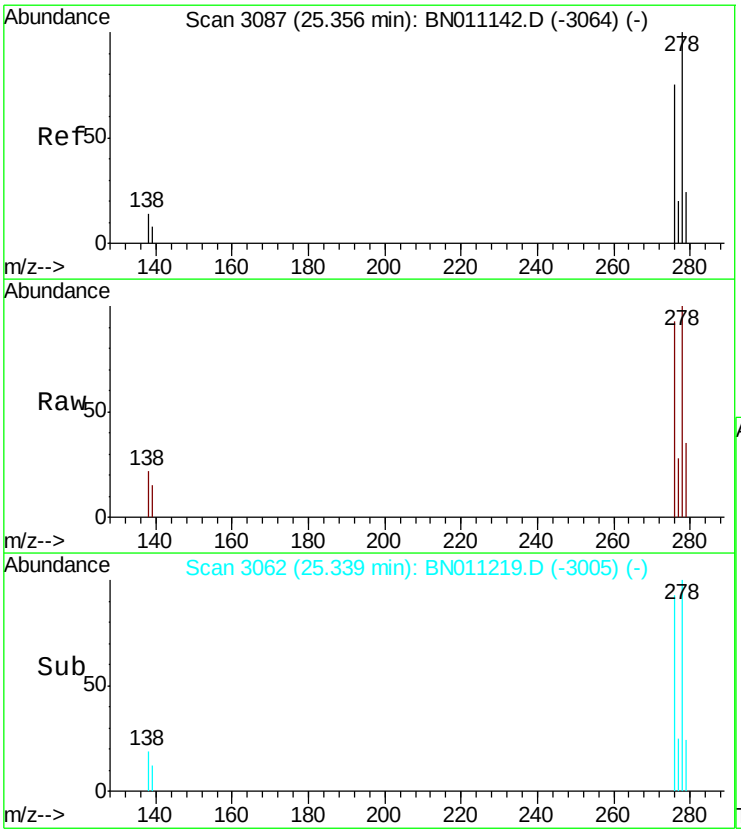
#39
Benzo(a)pyrene
Concen: 0.346 ng
RT: 23.15 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:252 Resp: 5956

Ion	Ratio	Lower	Upper
252	100		
253	34.7	25.8	38.6
125	16.9	13.4	20.0

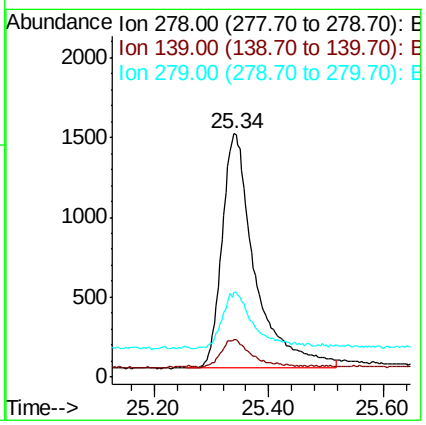


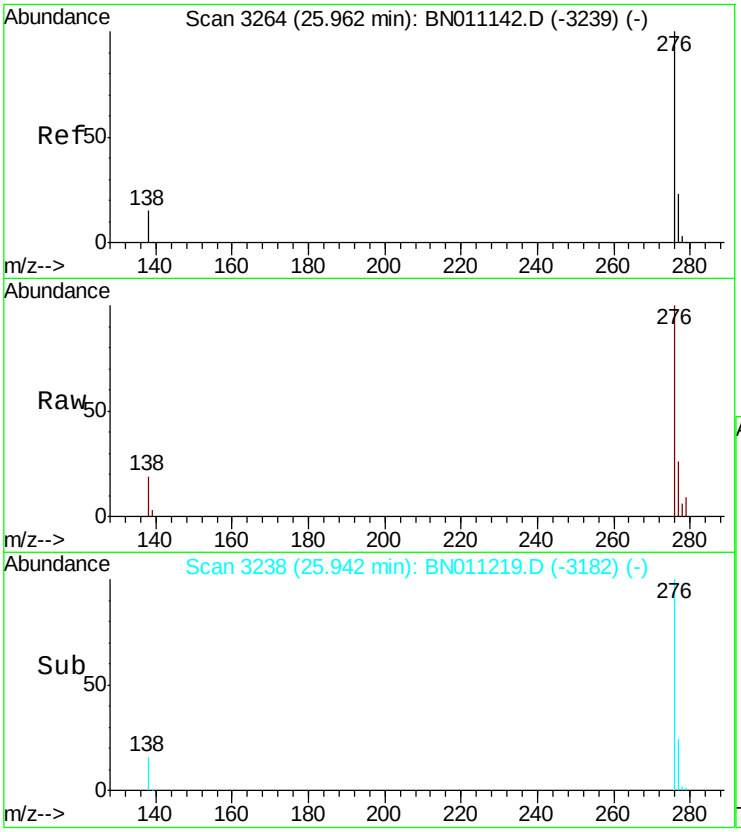


#40
Dibenzo(a,h)anthracene
Concen: 0.321 ng
RT: 25.34 min Scan# 3062
Delta R.T. -0.00 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Tgt Ion:278 Resp: 5861

Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.7	17.5
279	35.1	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.346 ng
RT: 25.94 min Scan# 3238
Delta R.T. -0.01 min
Lab File: BN011219.D
Acq: 21 Jul 2020 14:43

Instrument :
BNA_N
ClientSampleId :
PB130052BS

Tgt Ion:276 Resp: 6936

Ion	Ratio	Lower	Upper
276	100		
277	26.4	20.5	30.7
138	18.8	13.8	20.6