Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041320\
Data File : BN010471.D
Acq On : 13 Apr 2020 17:24
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : ICVBN041320

Quant Time: Apr 13 18:06:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 18:04:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4069	0.40	ng		0.00
7) Naphthalene-d8	10.37	136	16296	0.40	ng		0.00
13) Acenaphthene-d10	14.22	164	10272	0.40	ng		0.00
19) Phenanthrene-d10	16.97	188	22214	0.40	ng		0.00
27) Chrysene-d12	21.18	240	22648	0.40	ng		0.00
34) Perylene-d12	23.36	264	19299	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	3809	0.43	ng		0.00
5) Phenol-d6	6.80	99	4984	0.43	ng		0.00
8) Nitrobenzene-d5	8.74	82	4973	0.44	ng		0.00
11) 2-Methylnaphthalene-d10	11.96	152	10923	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.73	330	1832	0.38	ng		0.00
15) 2-Fluorobiphenyl	12.85	172	17011	0.46	ng		0.00
25) Fluoranthene-d10	19.01	212	27319	0.41	ng		0.00
29) Terphenyl-d14	19.62	244	24821	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	1333	0.445	ng		98
3) n-Nitrosodimethylamine	3.57	42	759	0.391	ng	#	97
6) bis(2-Chloroethyl)ether	7.05	93	4446	0.441	ng		98
9) Naphthalene	10.42	128	17767	0.439	ng		99
10) Hexachlorobutadiene	10.72	225	4096	0.420	ng	#	99
12) 2-Methylnaphthalene	12.03	142	12795	0.440	ng		100
16) Acenaphthylene	13.95	152	19149	0.432	ng		100
17) Acenaphthene	14.29	154	12043	0.422	ng		99
18) Fluorene	15.28	166	15939	0.427	ng		100
20) 4-Bromophenyl-phenylether	16.18	248	5185	0.420	ng	#	84
21) Hexachlorobenzene	16.29	284	6249	0.444	ng		99
22) Pentachlorophenol	16.65	266	1862	0.336	ng		98
23) Phenanthrene	17.02	178	26704	0.445	ng		100
24) Anthracene	17.11	178	24054	0.439	ng		99
26) Fluoranthene	19.04	202	32889	0.440	ng		100
28) Pyrene	19.41	202	32904	0.432	ng		99
30) Benzo(a)anthracene	21.16	228	31198	0.422	ng		100
31) Chrysene	21.22	228	30817	0.419	ng		100
32) Bis(2-ethylhexyl)phthalate	21.12	149	14522	0.383	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	27742	0.426	ng		100
35) Benzo(b)fluoranthene	22.71	252	27483	0.433	ng		100
36) Benzo(k)fluoranthene	22.76	252	27553	0.433	ng		99
37) Benzo(a)pyrene	23.26	252	24987	0.444	ng		99
38) Dibenzo(a,h)anthracene	25.52	278	22752	0.442	ng		99
39) Benzo(g,h,i)perylene	26.16	276	23428	0.453	ng		99

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

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
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ICVBN041320

Quant Time: Apr 13 18:06:59 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 18:04:22 2020
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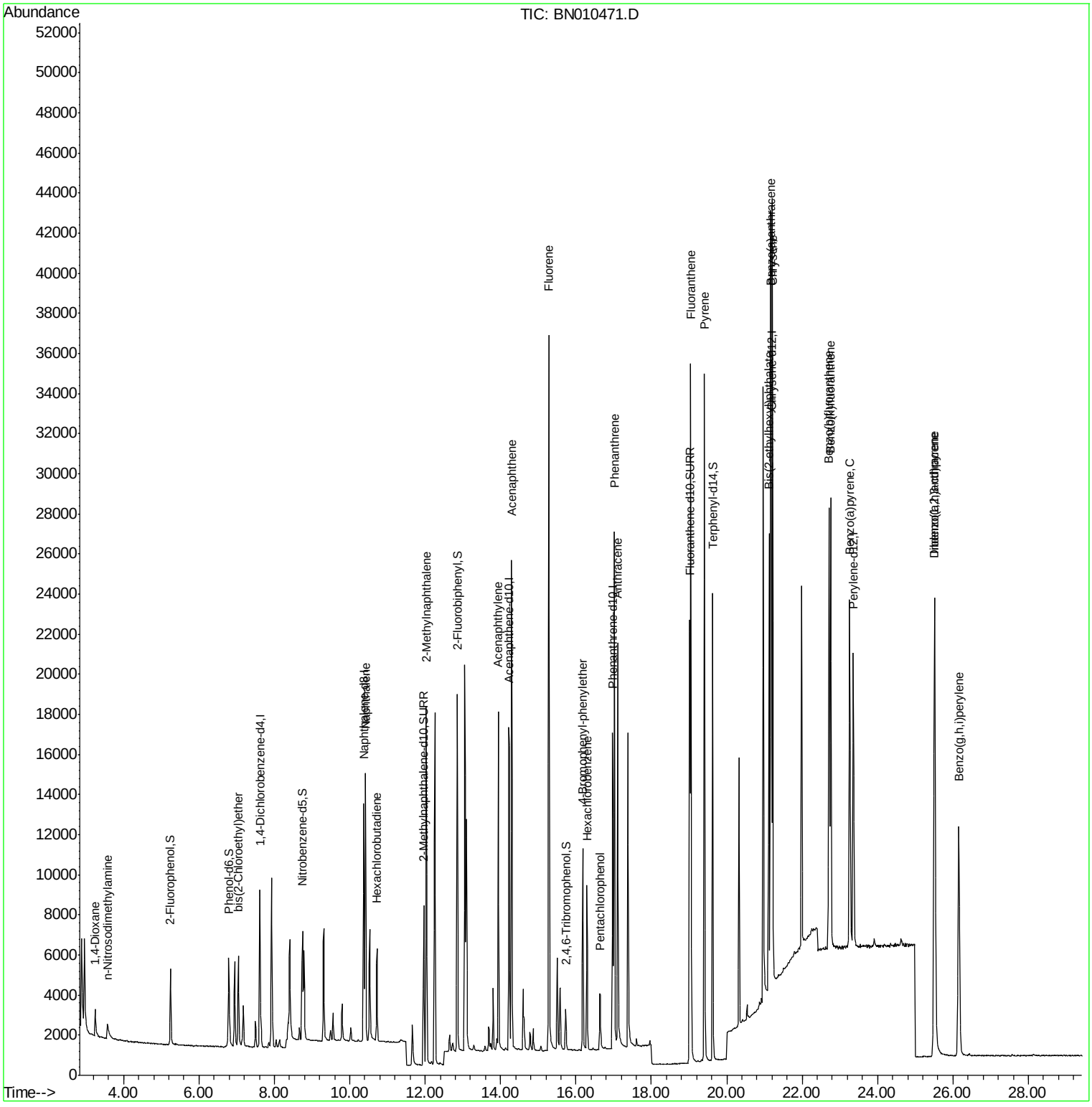
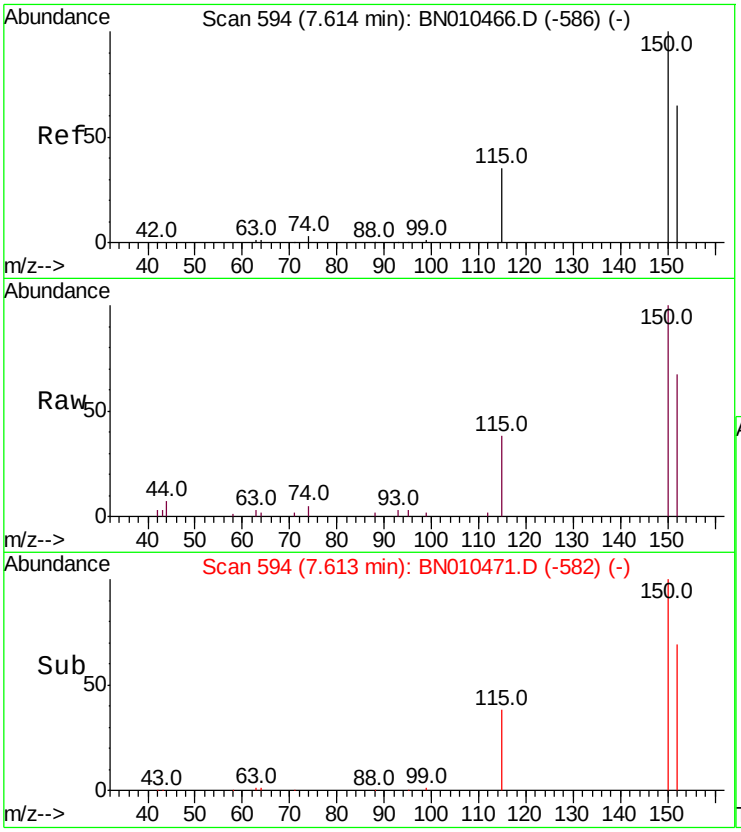


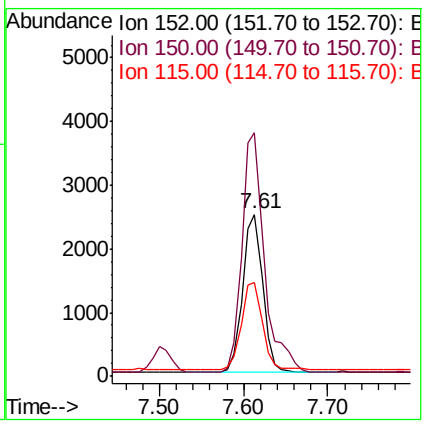


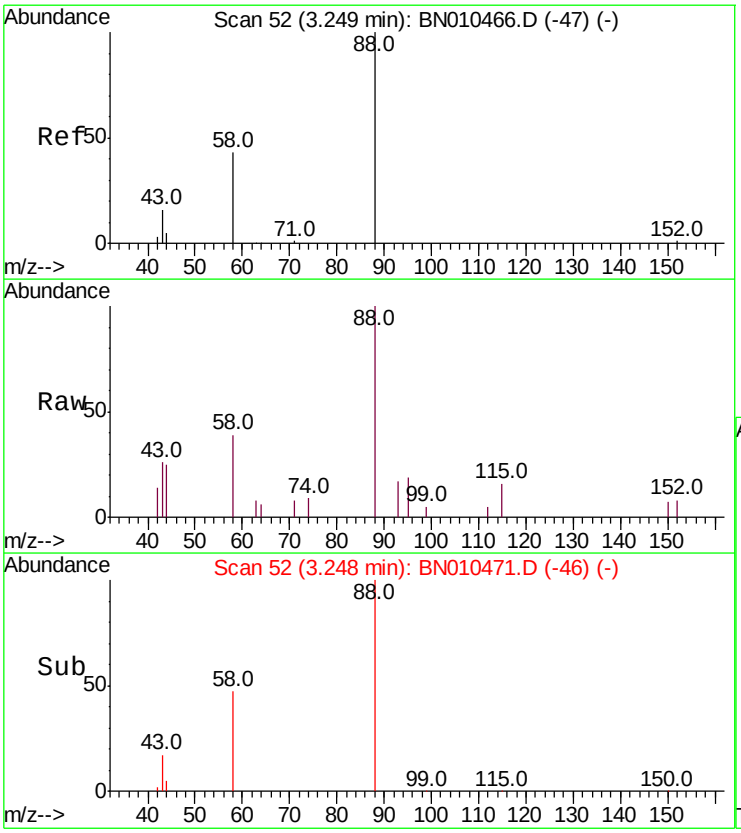
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.61 min Scan# 594
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:152 Resp: 4069

Ion	Ratio	Lower	Upper
152	100		
150	150.0	121.8	182.6
115	57.7	45.5	68.3

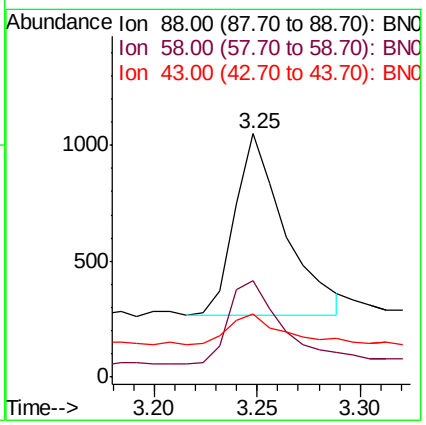


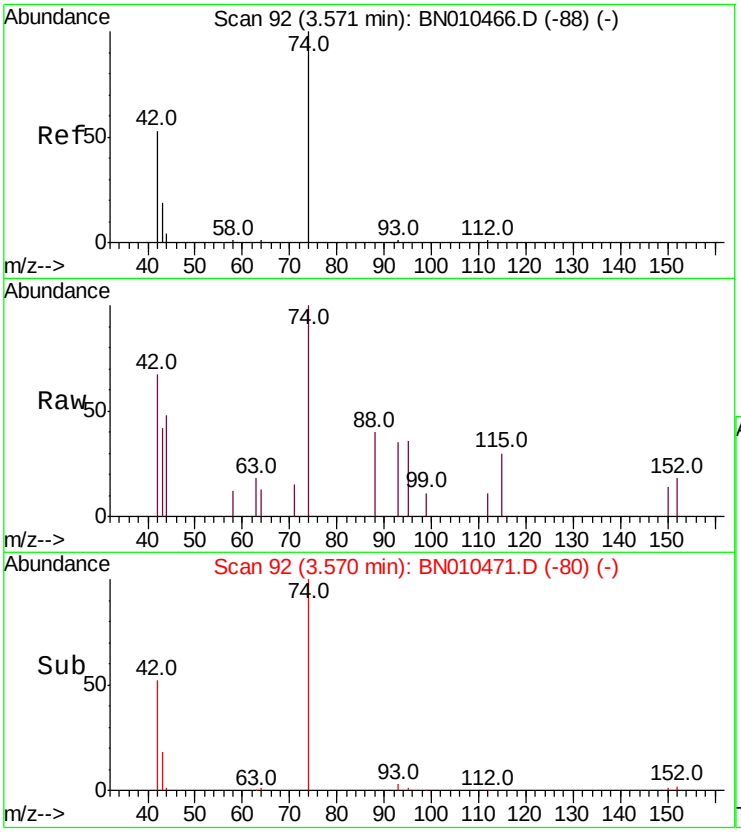


#2
1,4-Dioxane
Concen: 0.445 ng
RT: 3.25 min Scan# 52
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion: 88 Resp: 1333

Ion	Ratio	Lower	Upper
88	100		
58	47.4	36.5	54.7
43	16.6	13.2	19.8



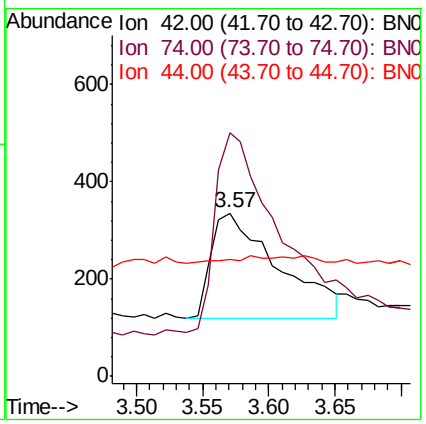


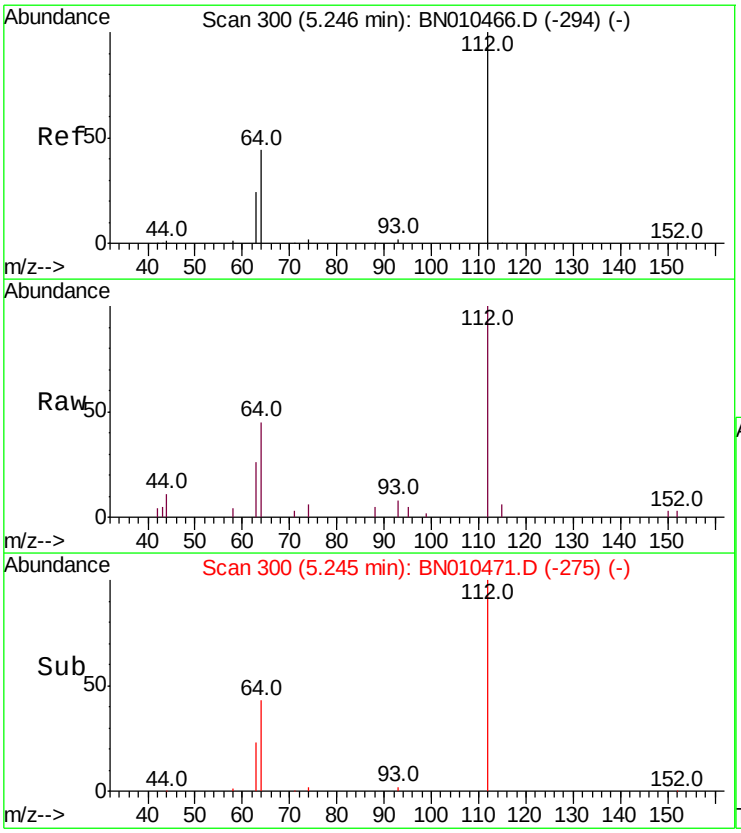
#3
n-Nitrosodimethylamine
Concen: 0.391 ng
RT: 3.57 min Scan# 92
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion: 42 Resp: 759

Ion	Ratio	Lower	Upper
42	100		
74	198.8	162.2	243.4
44	3.8	2.4	3.6#

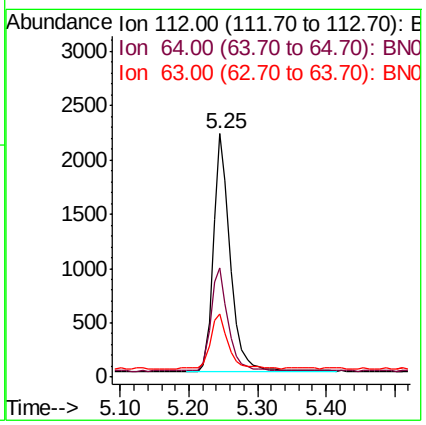


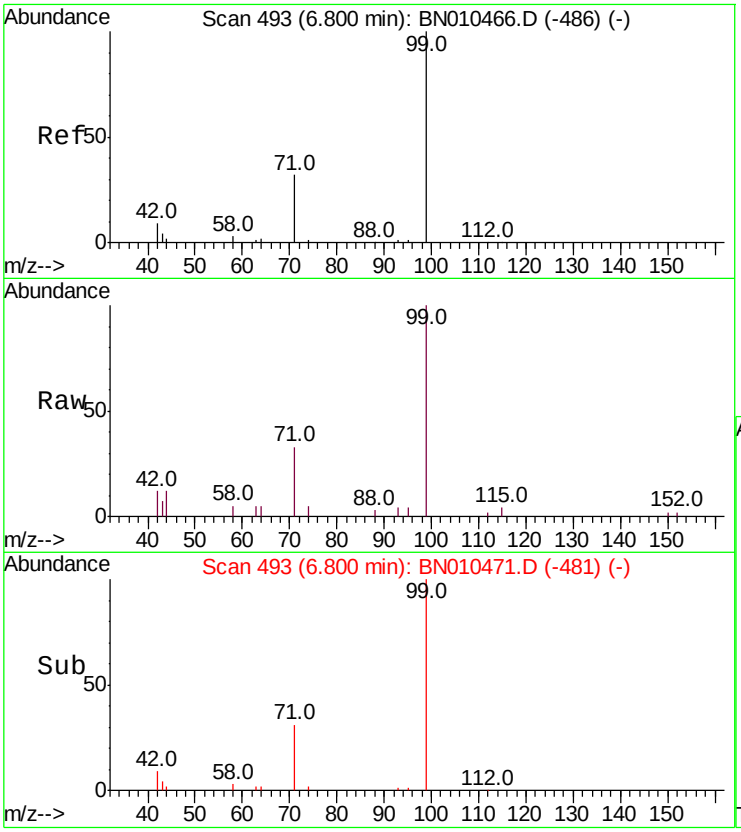


#4
2-Fluorophenol
Concen: 0.427 ng
RT: 5.25 min Scan# 300
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:112 Resp: 3809

Ion	Ratio	Lower	Upper
112	100		
64	44.0	35.8	53.8
63	23.9	19.9	29.9



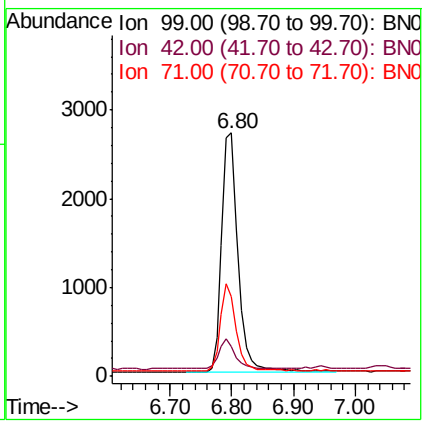


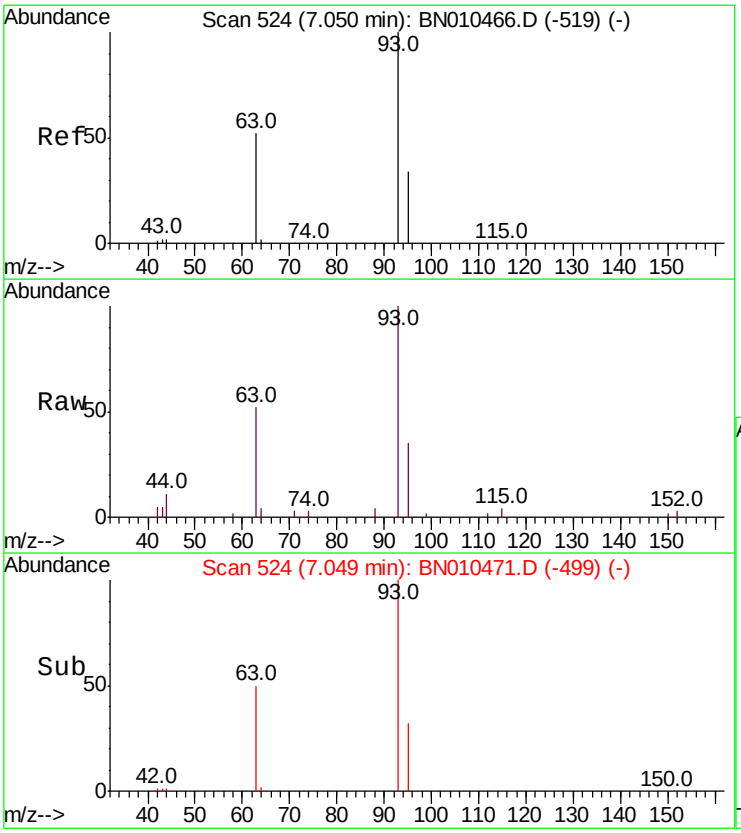
#5
Phenol-d6
Concen: 0.428 ng
RT: 6.80 min Scan# 493
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion: 99 Resp: 4984

Ion	Ratio	Lower	Upper
99	100		
42	12.1	9.8	14.6
71	34.8	27.8	41.8

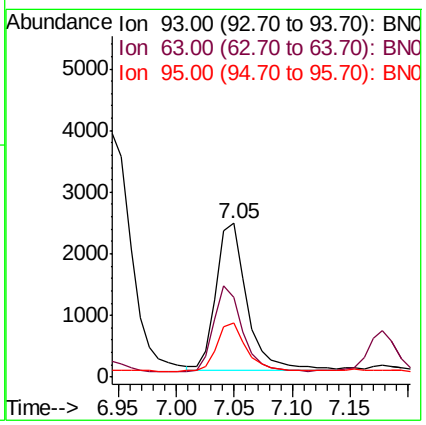


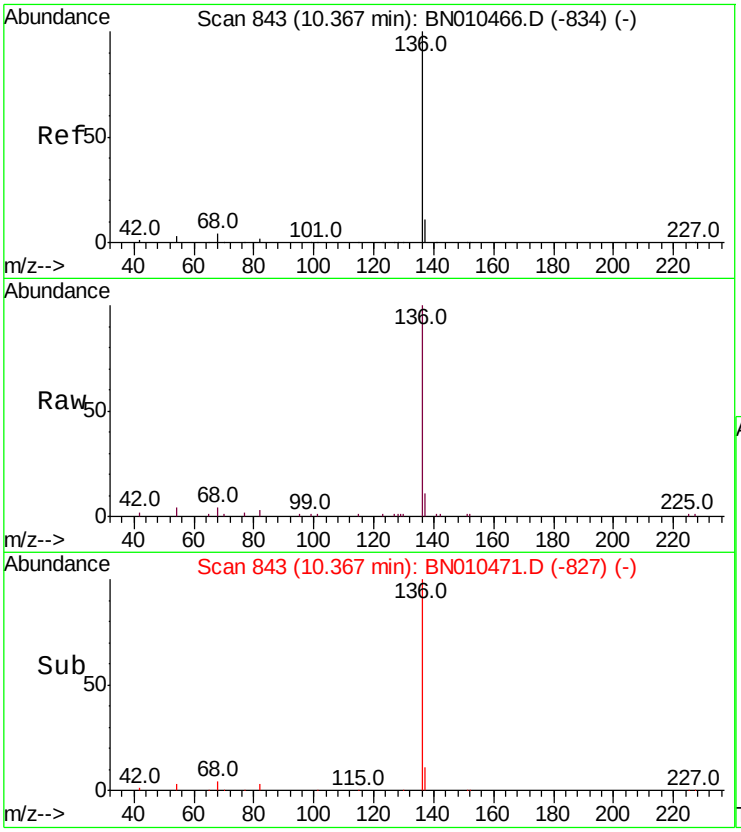


#6
bis(2-Chloroethyl)ether
Concen: 0.441 ng
RT: 7.05 min Scan# 524
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion: 93 Resp: 4446

Ion	Ratio	Lower	Upper
93	100		
63	54.7	44.6	66.8
95	32.0	26.5	39.7



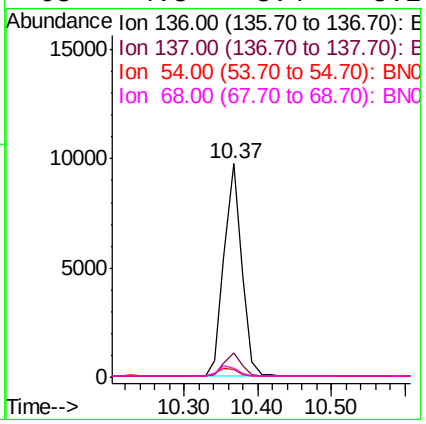


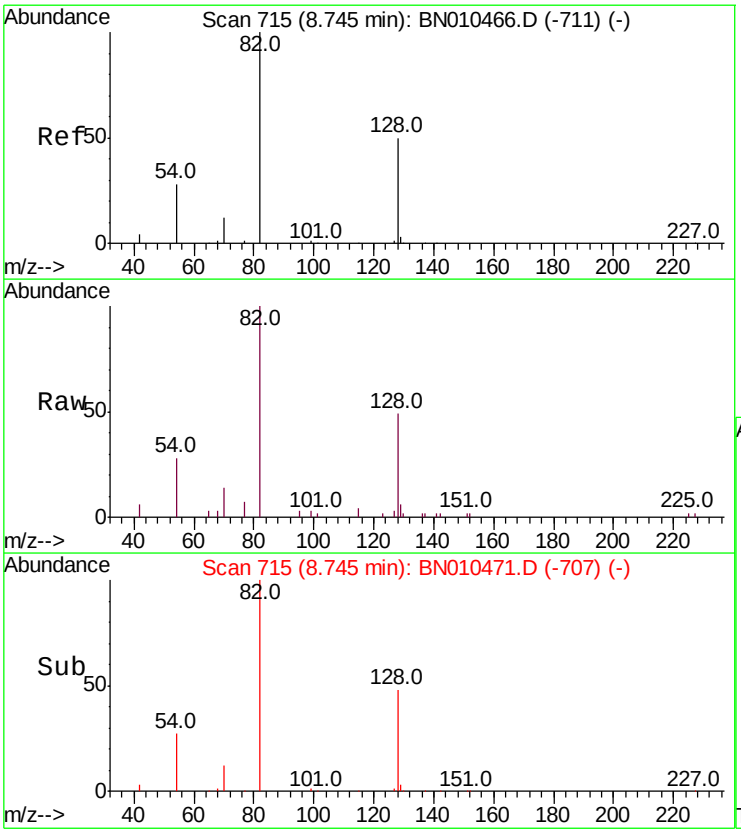
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.37 min Scan# 843
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:136 Resp: 16296

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	3.6	2.6	4.0
68	4.3	3.4	5.2

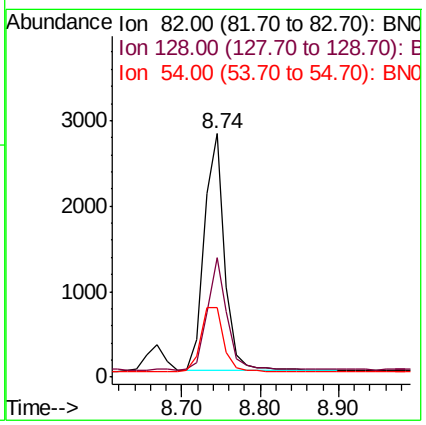


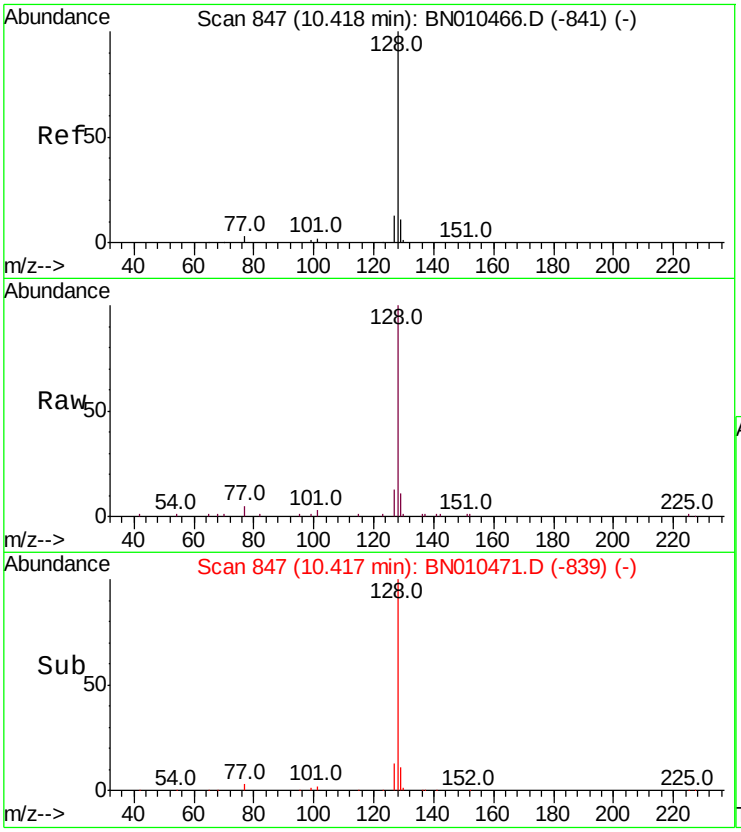


#8
Nitrobenzene-d5
Concen: 0.437 ng
RT: 8.74 min Scan# 715
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion: 82 Resp: 4973

Ion	Ratio	Lower	Upper
82	100		
128	48.9	41.3	61.9
54	28.4	23.4	35.0



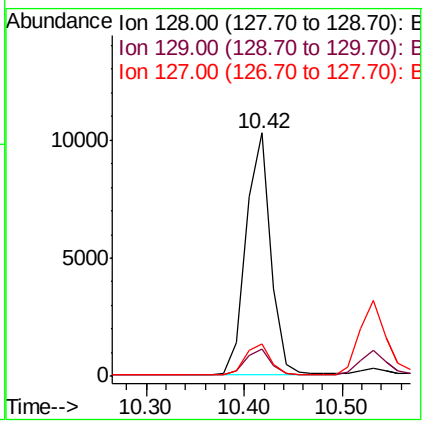


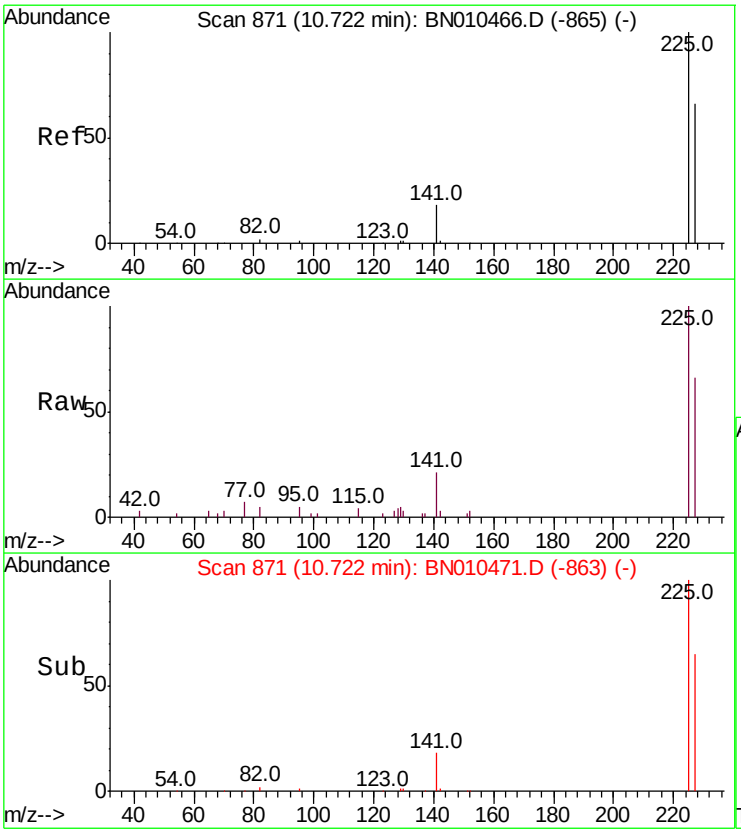
#9
Naphthalene
Concen: 0.439 ng
RT: 10.42 min Scan# 847
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:128 Resp: 17767

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.4	10.5	15.7

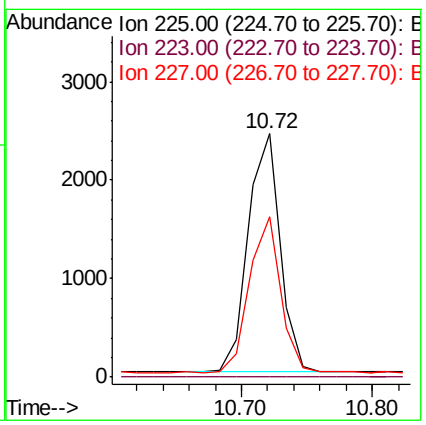


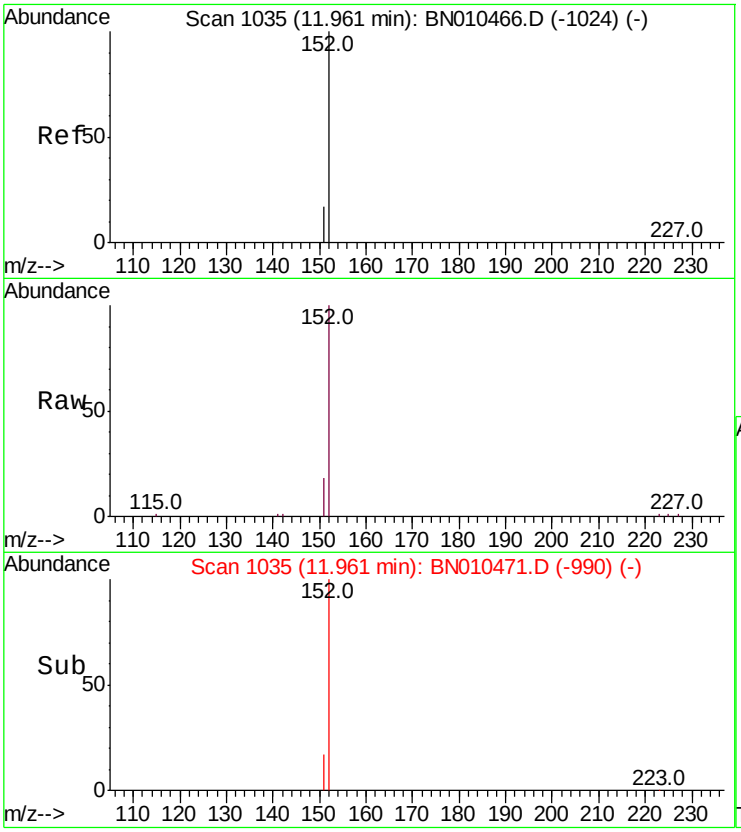


#10
Hexachlorobutadiene
Concen: 0.420 ng
RT: 10.72 min Scan# 871
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:225 Resp: 4096

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.6	76.0



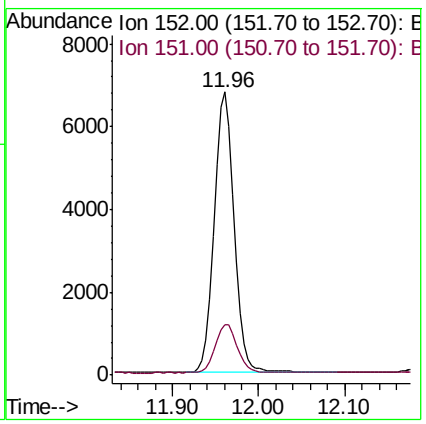


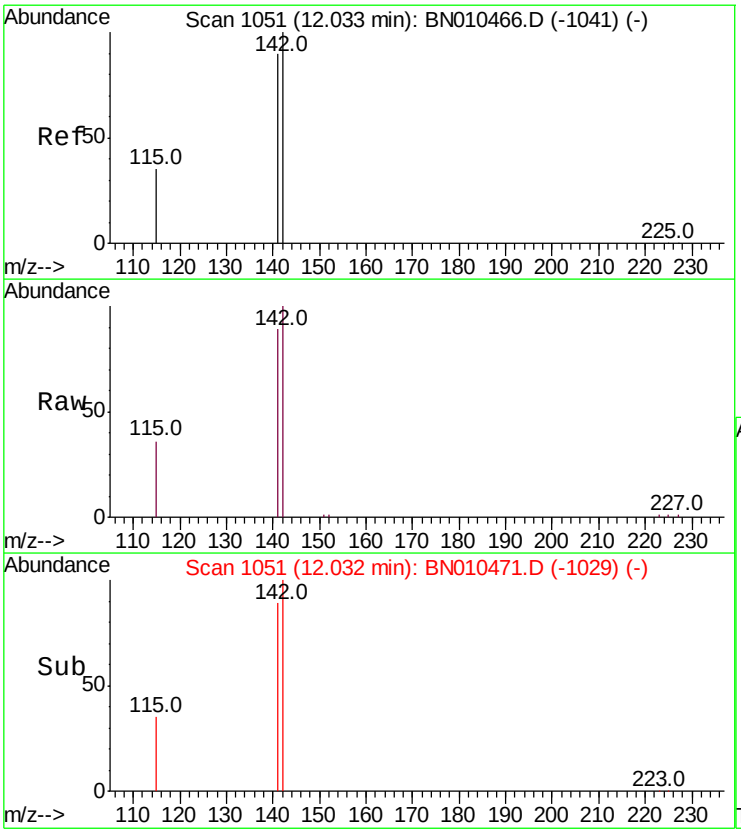
#11
2-Methylnaphthalene-d10
Concen: 0.408 ng
RT: 11.96 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:152 Resp: 10923

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

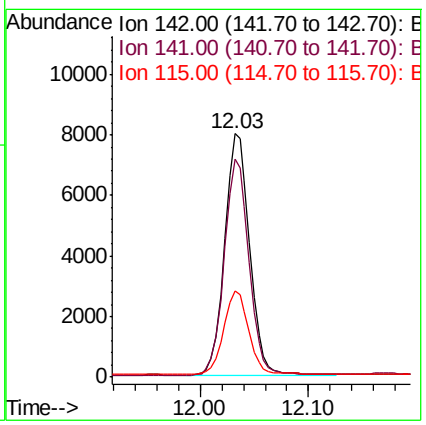


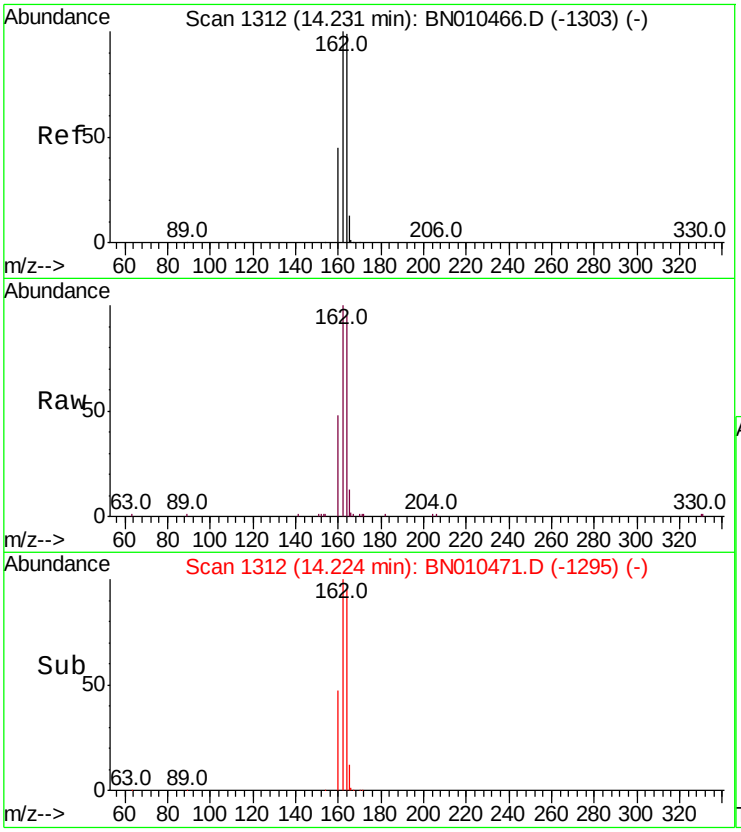


#12
2-Methylnaphthalene
Concen: 0.440 ng
RT: 12.03 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:142 Resp: 12795

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.9	107.9
115	35.7	28.8	43.2



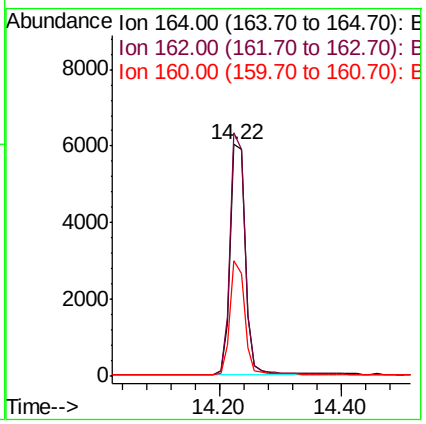


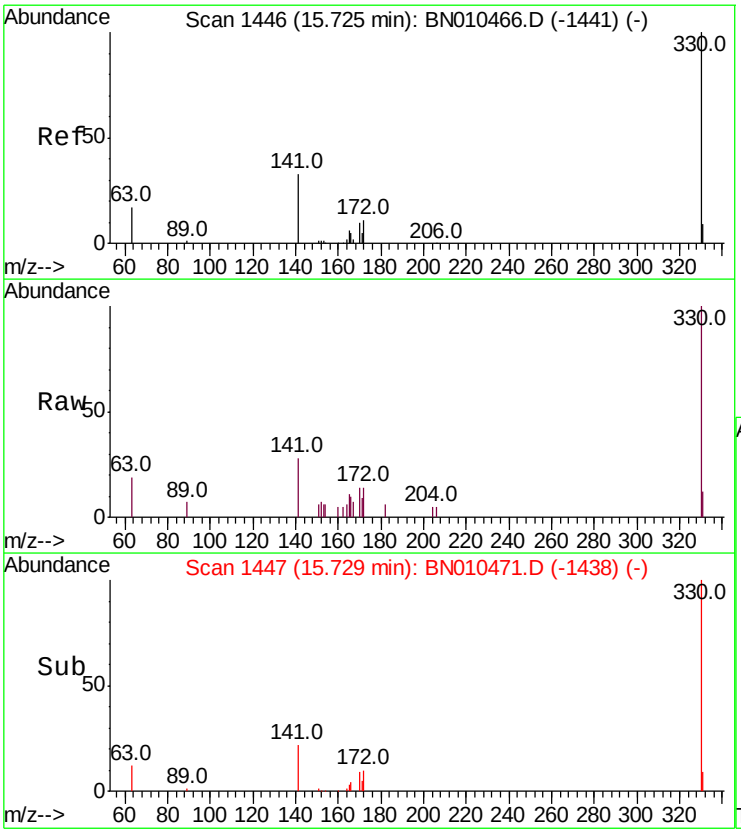
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:164 Resp: 10272

Ion	Ratio	Lower	Upper
164	100		
162	105.2	80.6	121.0
160	50.1	36.5	54.7

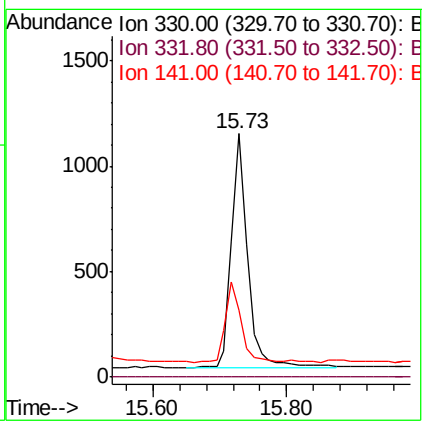


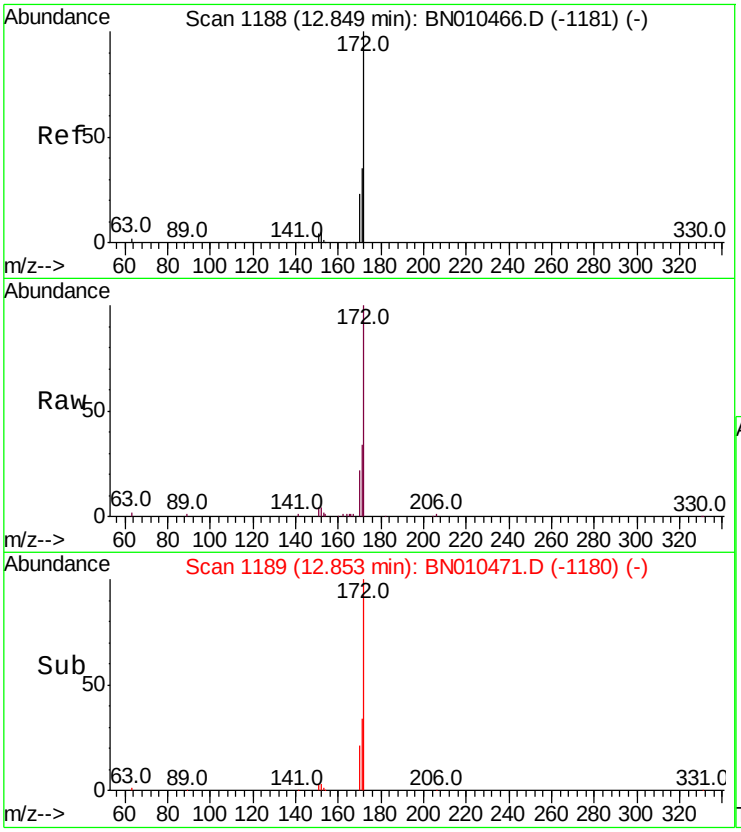


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.73 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:330 Resp: 1832

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.7	28.1	42.1



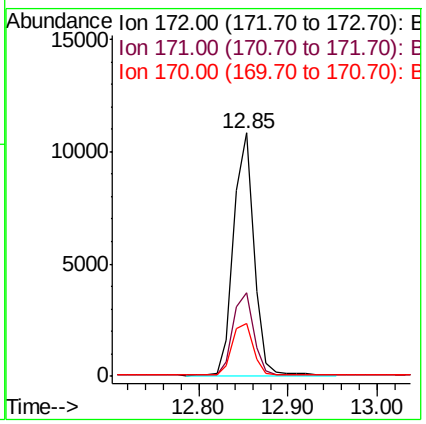


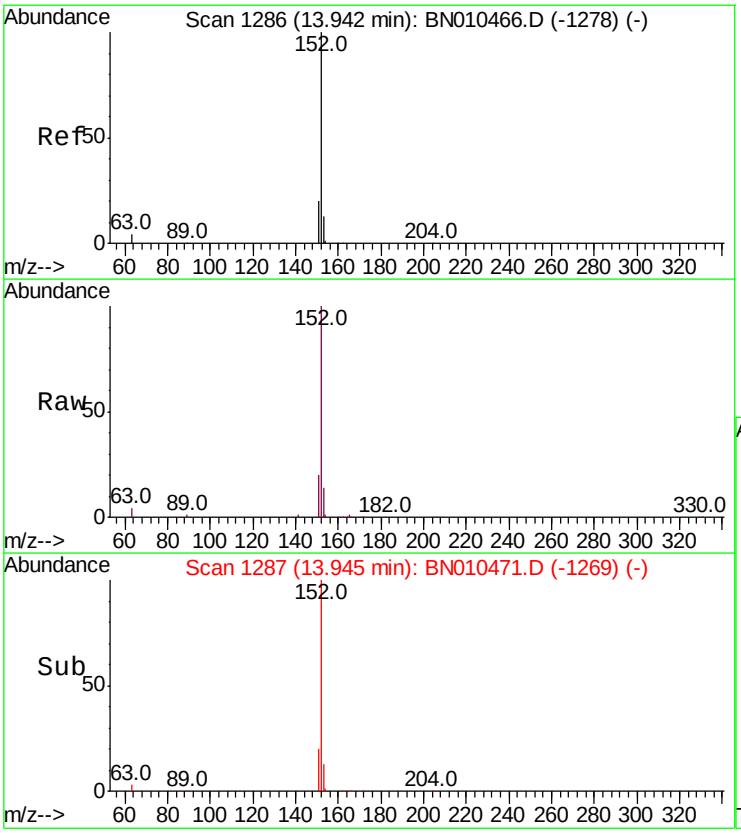
#15
2-Fluorobiphenyl
Concen: 0.455 ng
RT: 12.85 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:172 Resp: 17011

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.2
170	21.9	18.4	27.6

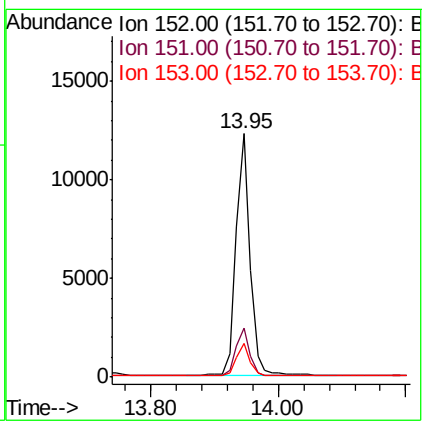


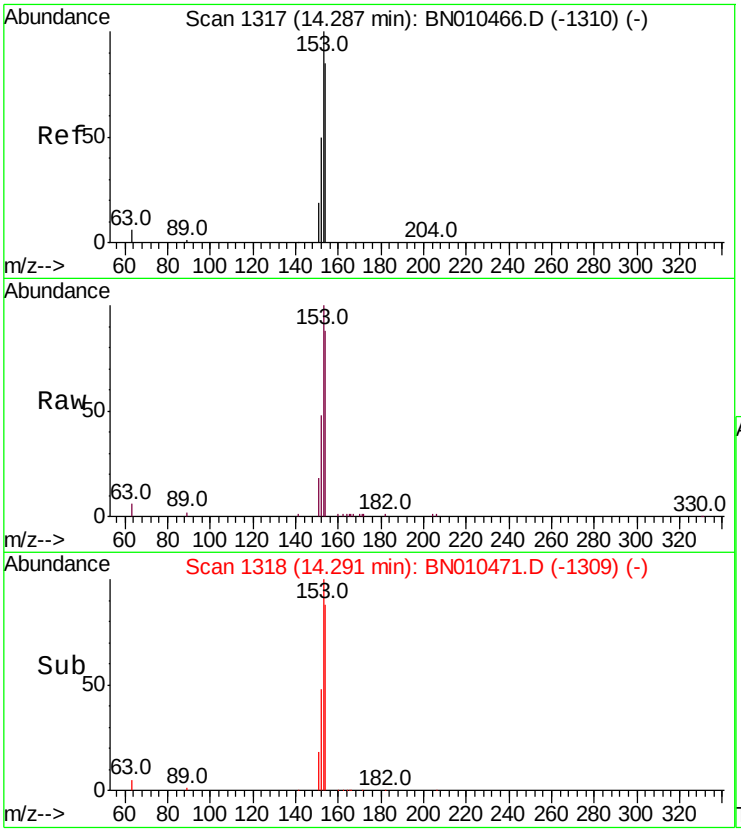


#16
Acenaphthylene
Concen: 0.432 ng
RT: 13.95 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:152 Resp: 19149

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.0	10.6	15.8



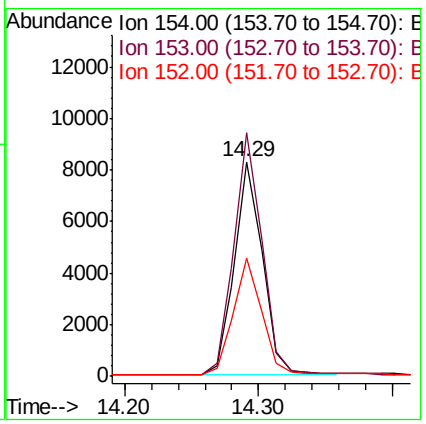


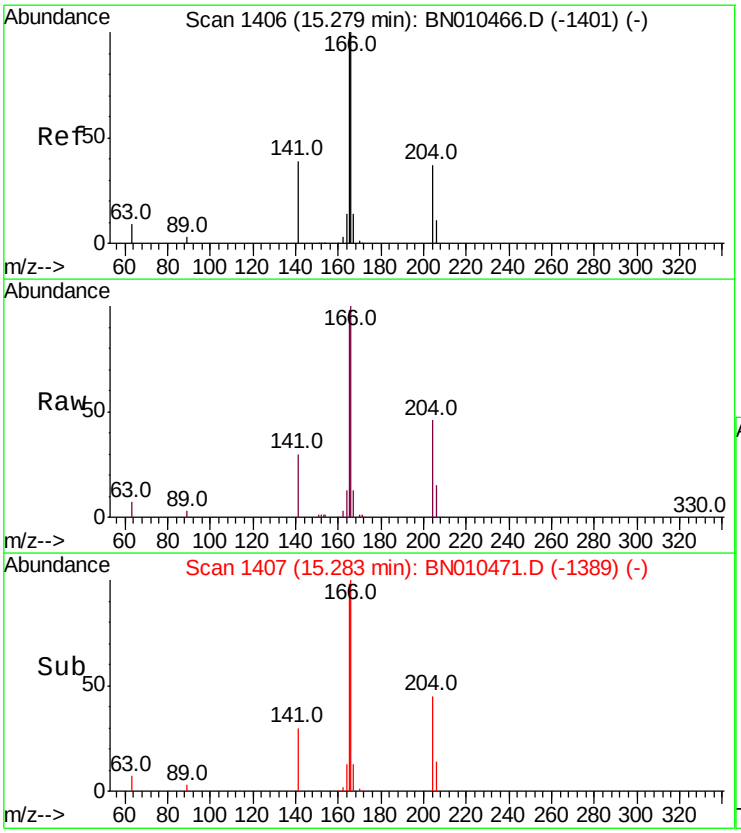
#17
Acenaphthene
Concen: 0.422 ng
RT: 14.29 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:154 Resp: 12043

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.0	136.4
152	55.6	44.6	67.0

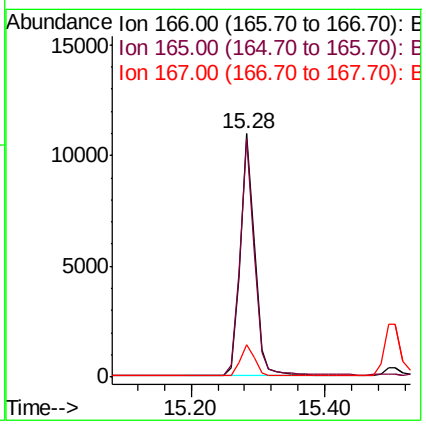


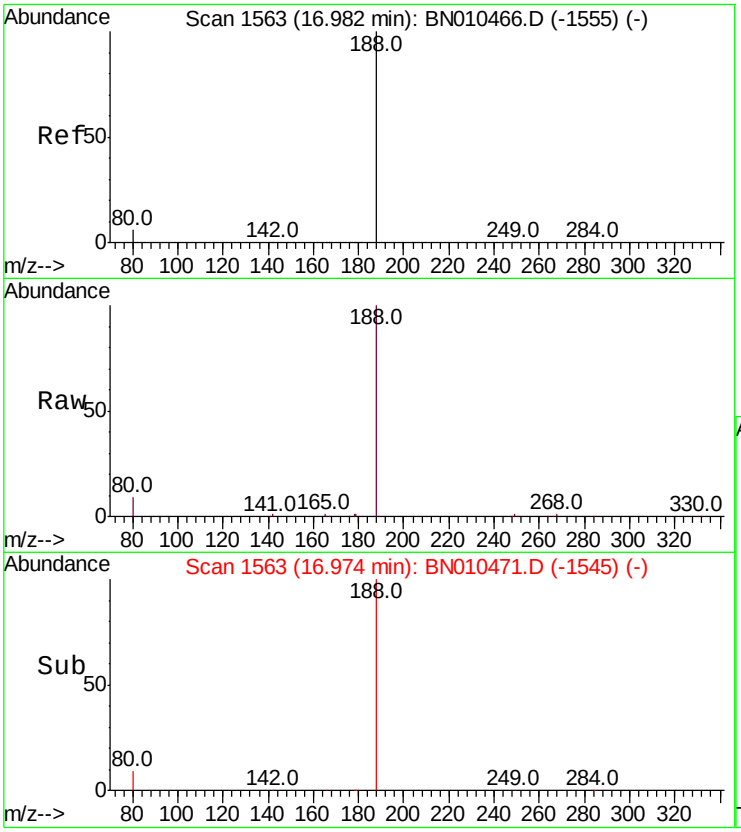


#18
Fluorene
Concen: 0.427 ng
RT: 15.28 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:166 Resp: 15939

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.4	117.6
167	13.3	10.9	16.3



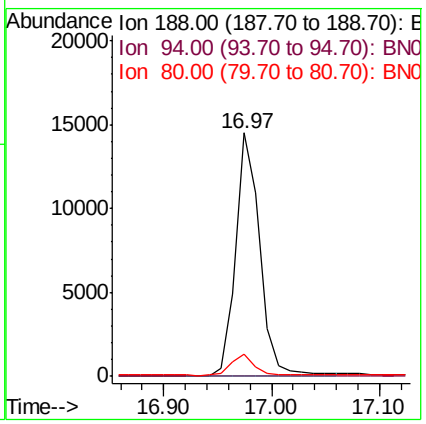


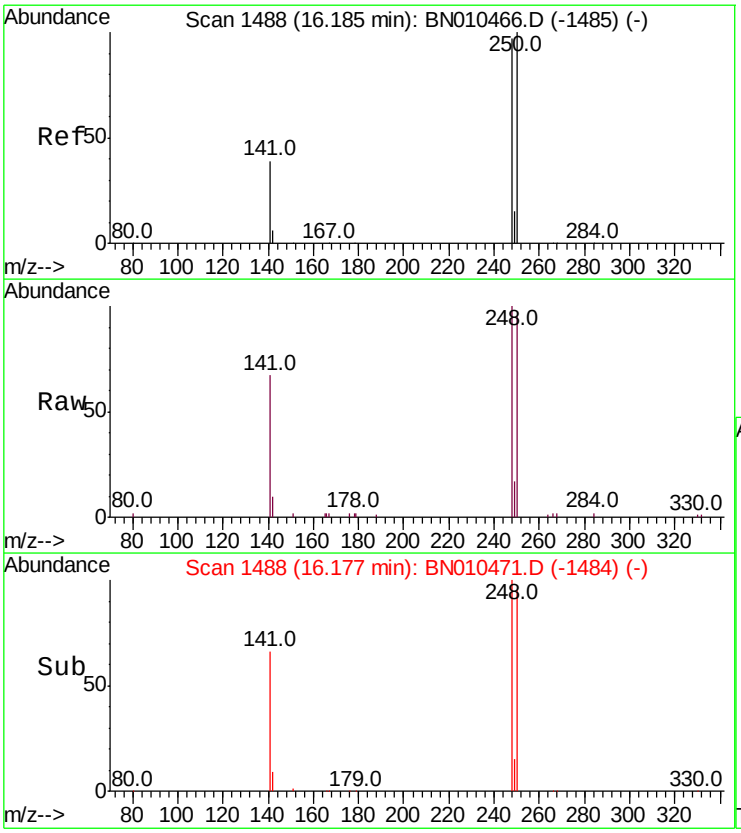
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.97 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:188 Resp: 22214

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	5.0	7.6#

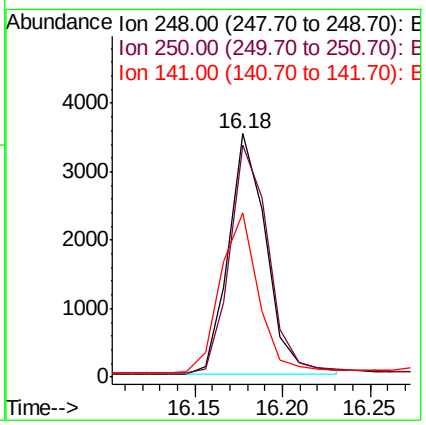


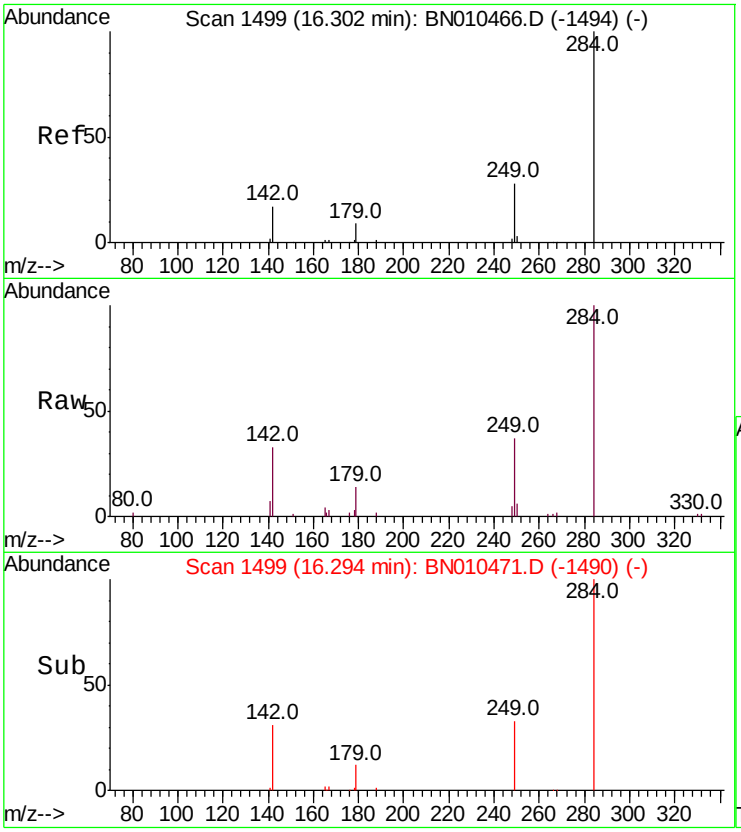


#20
4-Bromophenyl-phenylether
Concen: 0.420 ng
RT: 16.18 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:248 Resp: 5185

Ion	Ratio	Lower	Upper
248	100		
250	95.3	82.3	123.5
141	67.4	35.2	52.8#



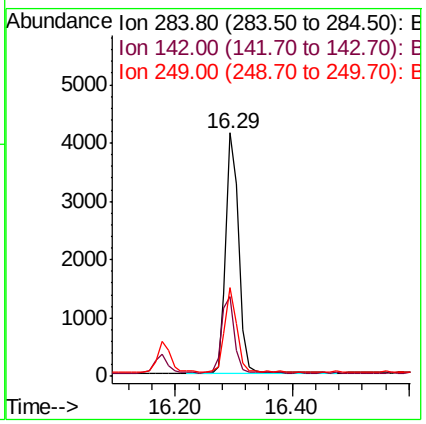


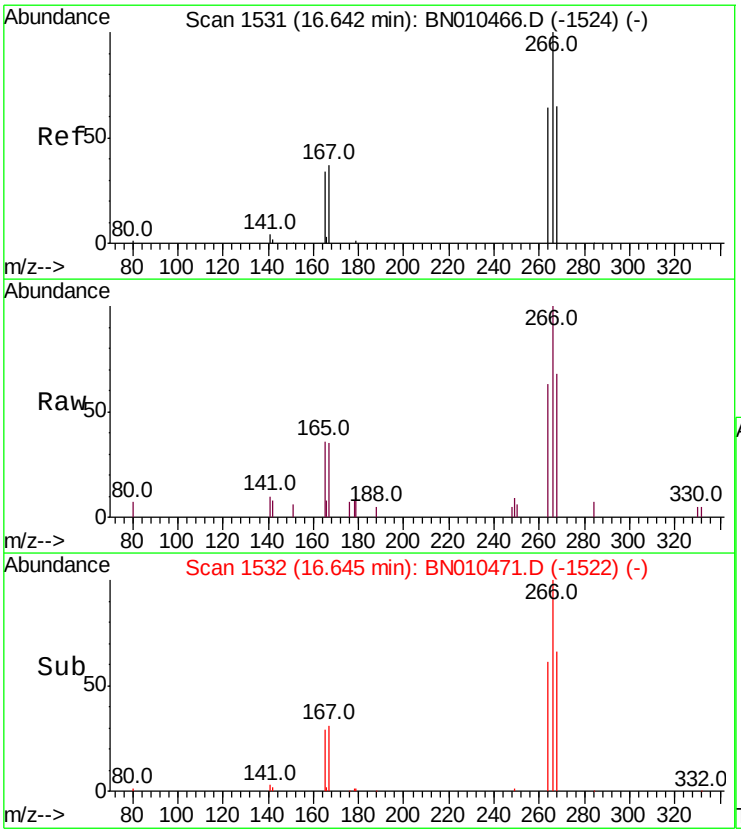
#21
Hexachlorobenzene
Concen: 0.444 ng
RT: 16.29 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:284 Resp: 6249

Ion	Ratio	Lower	Upper
284	100		
142	32.3	25.5	38.3
249	32.9	25.8	38.6

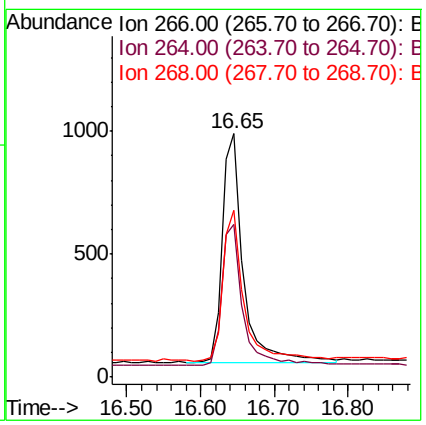


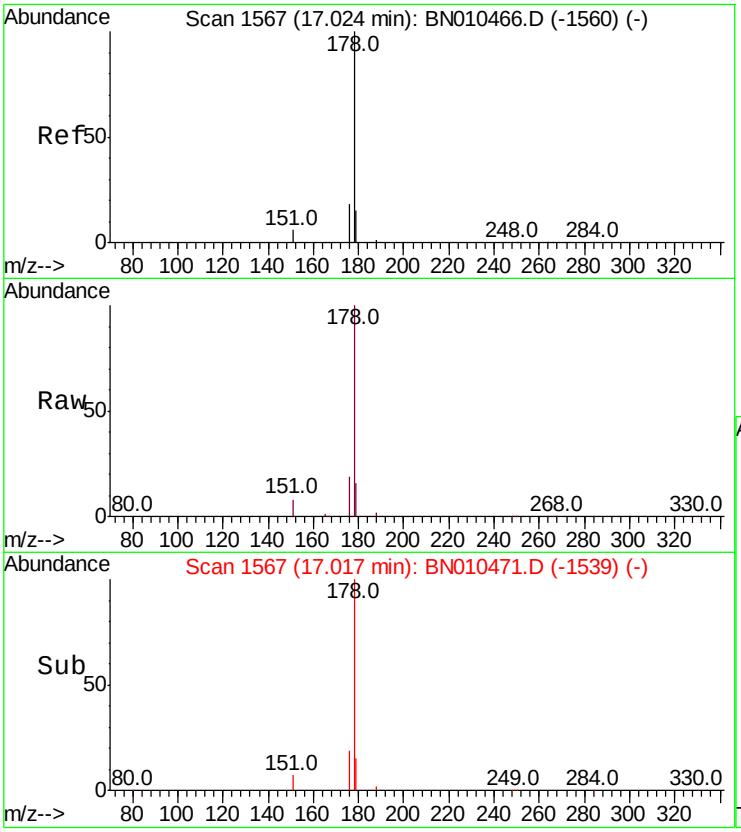


#22
Pentachlorophenol
Concen: 0.336 ng
RT: 16.65 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:266 Resp: 1862

Ion	Ratio	Lower	Upper
266	100		
264	62.5	51.8	77.6
268	68.5	53.7	80.5



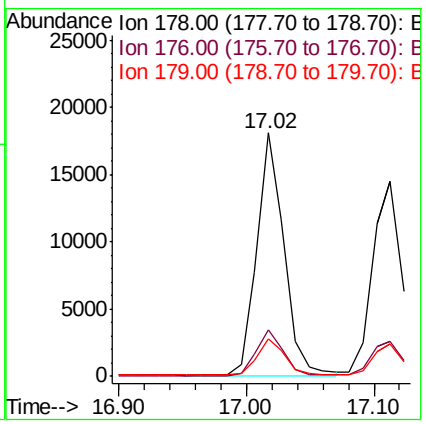


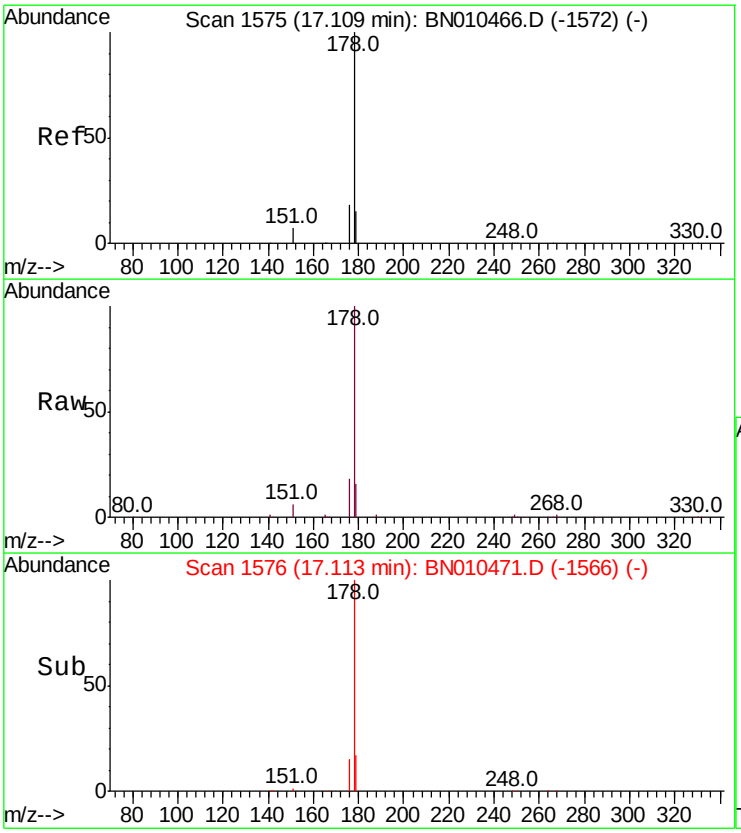
#23
Phenanthrene
Concen: 0.445 ng
RT: 17.02 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:178 Resp: 26704

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

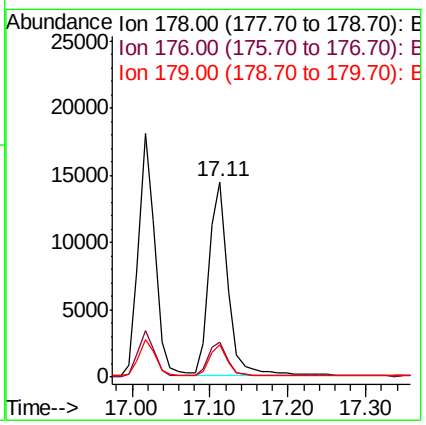


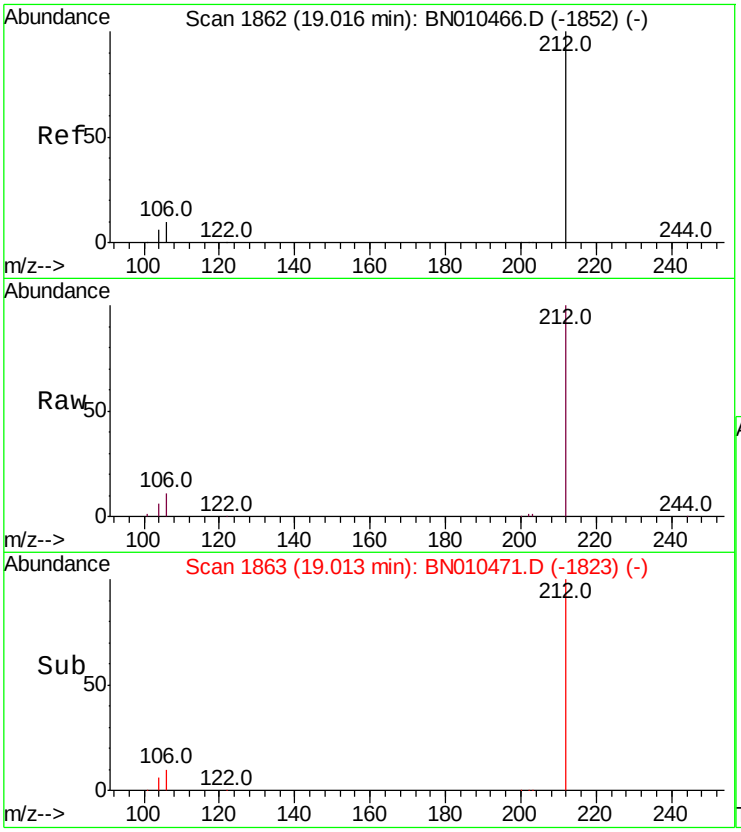


#24
Anthracene
Concen: 0.439 ng
RT: 17.11 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:178 Resp: 24054

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.7	12.2	18.2



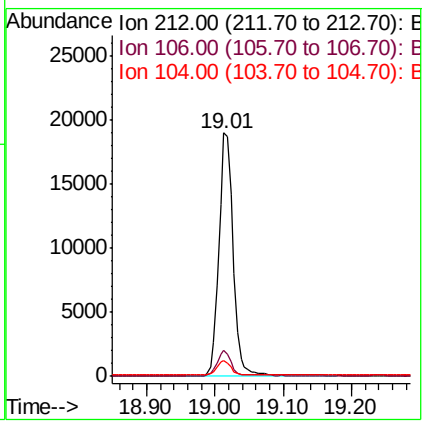


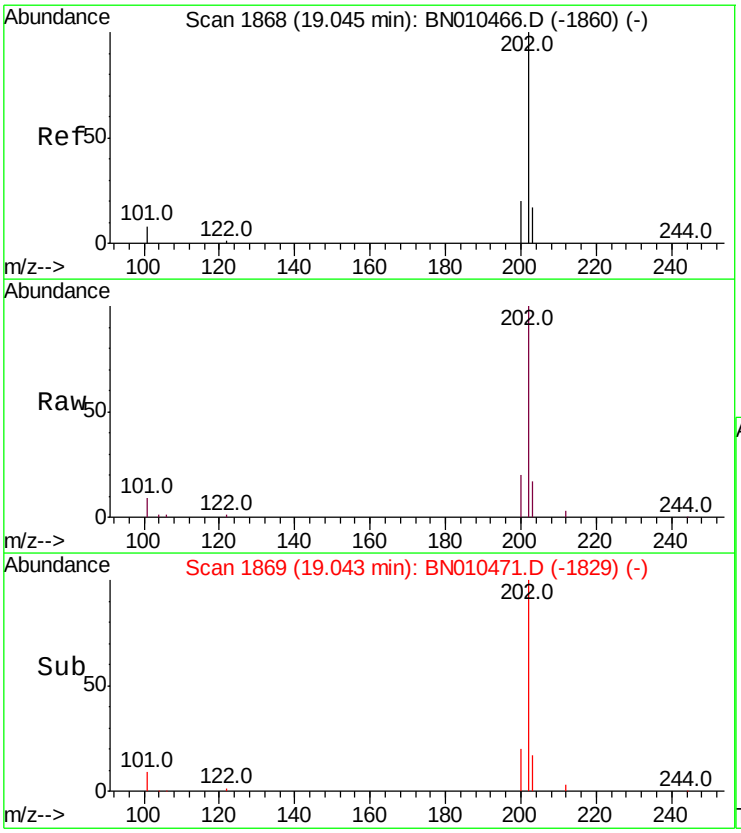
#25
Fluoranthene-d10
Concen: 0.406 ng
RT: 19.01 min Scan# 1863
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:212 Resp: 27319

Ion	Ratio	Lower	Upper
212	100		
106	10.0	7.8	11.6
104	5.6	4.5	6.7

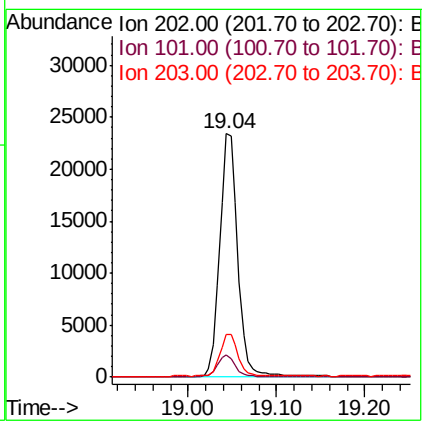


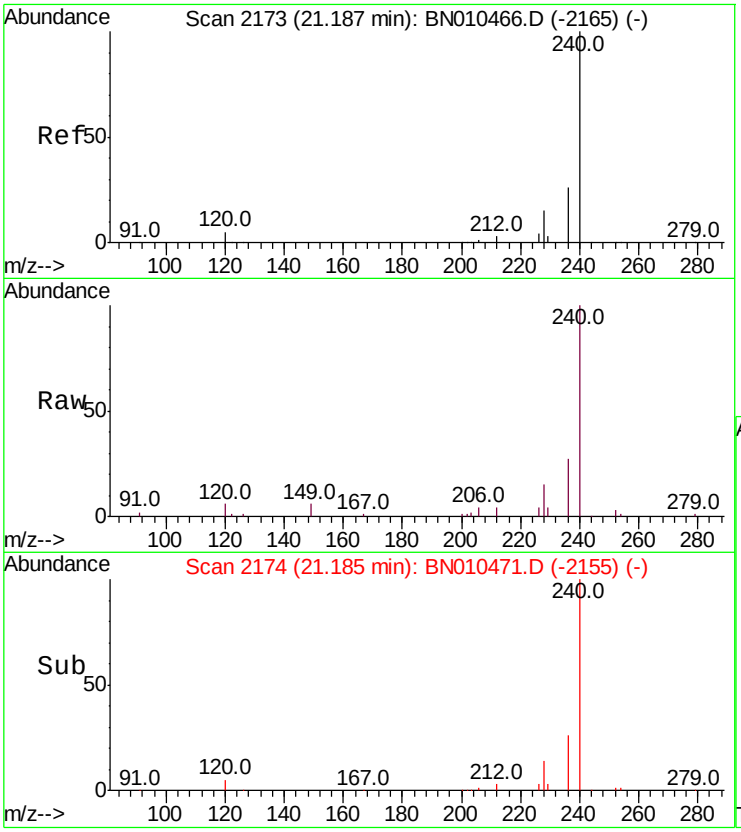


#26
Fluoranthene
Concen: 0.440 ng
RT: 19.04 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:202 Resp: 32889

Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.9	10.3
203	17.2	13.9	20.9



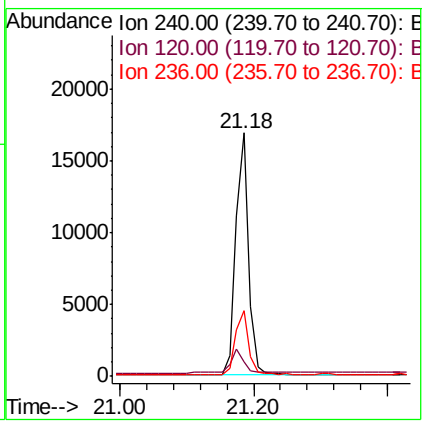


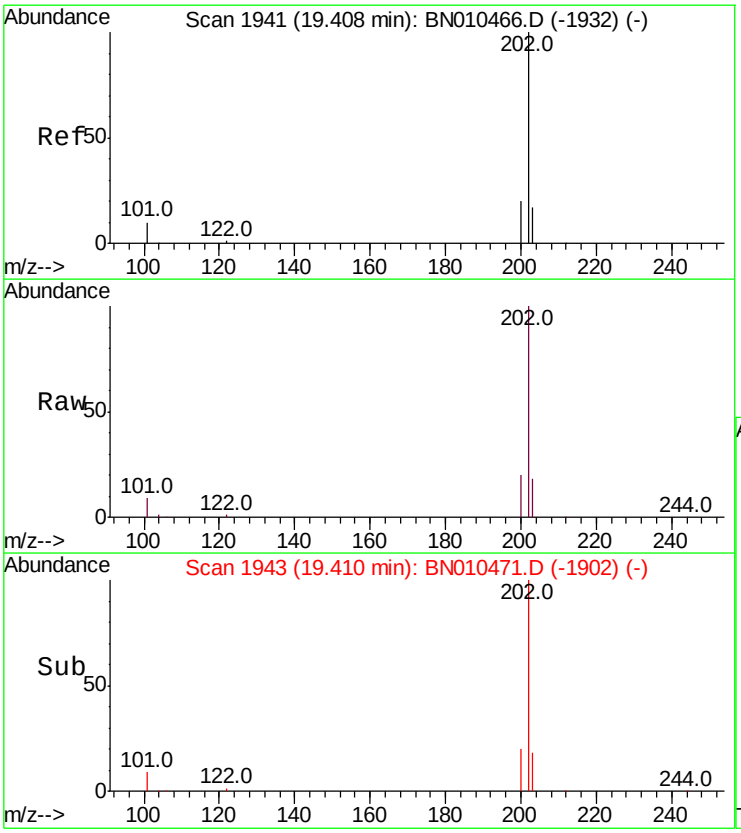
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.18 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:240 Resp: 22648

Ion	Ratio	Lower	Upper
240	100		
120	6.2	4.8	7.2
236	26.8	21.4	32.0

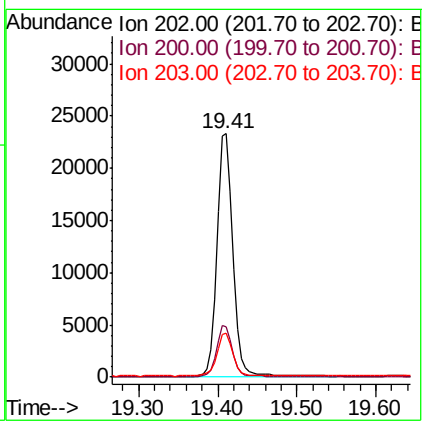


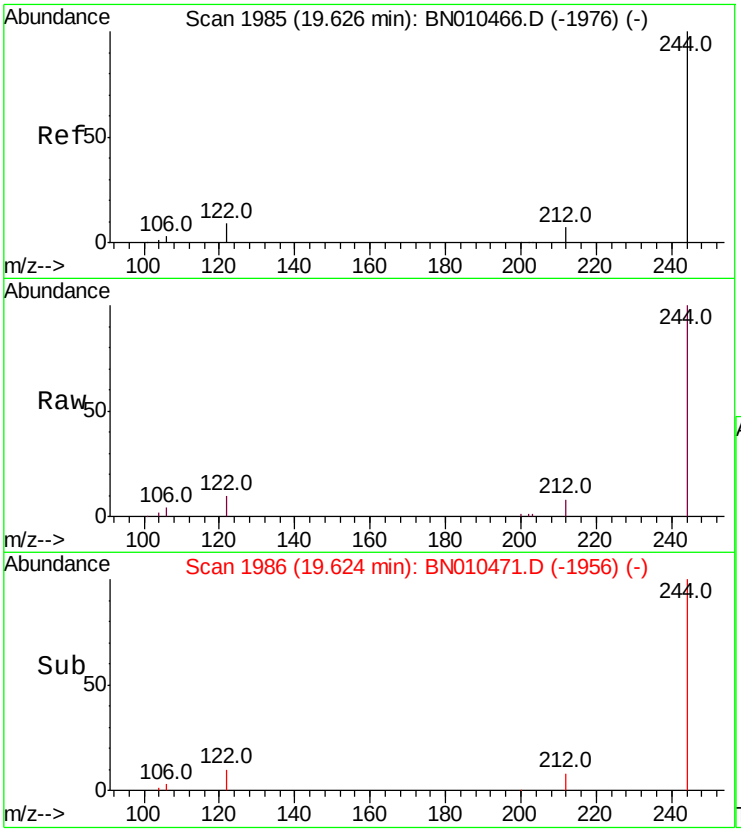


#28
Pyrene
Concen: 0.432 ng
RT: 19.41 min Scan# 1943
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:202 Resp: 32904

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	18.1	14.0	21.0



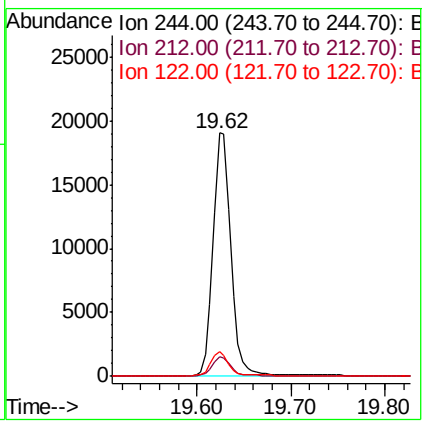


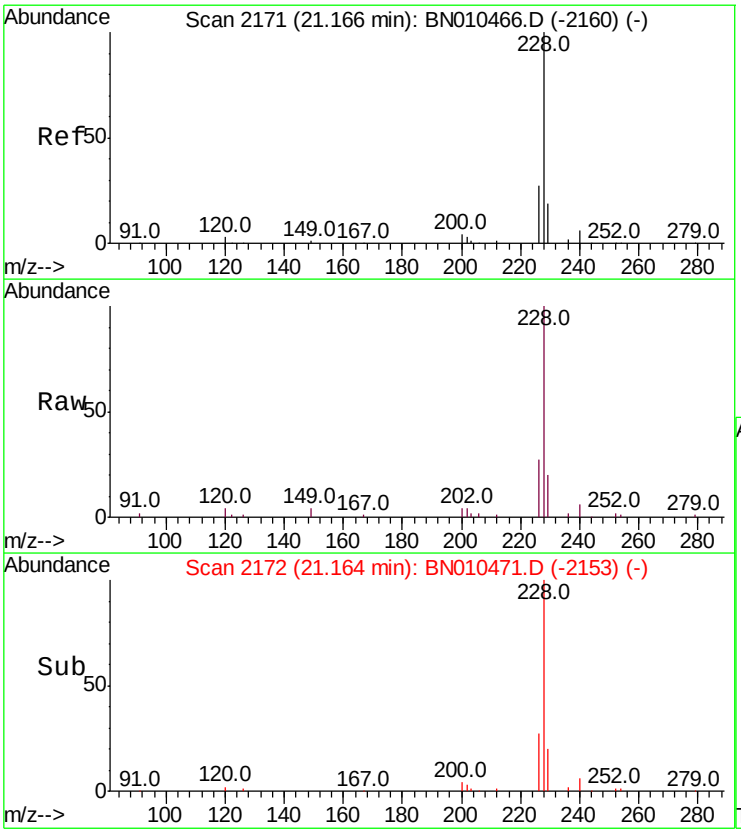
#29
Terphenyl-d14
Concen: 0.479 ng
RT: 19.62 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:244 Resp: 24821

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	10.4	7.8	11.8

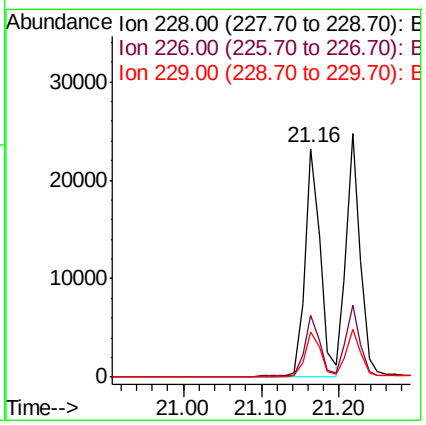


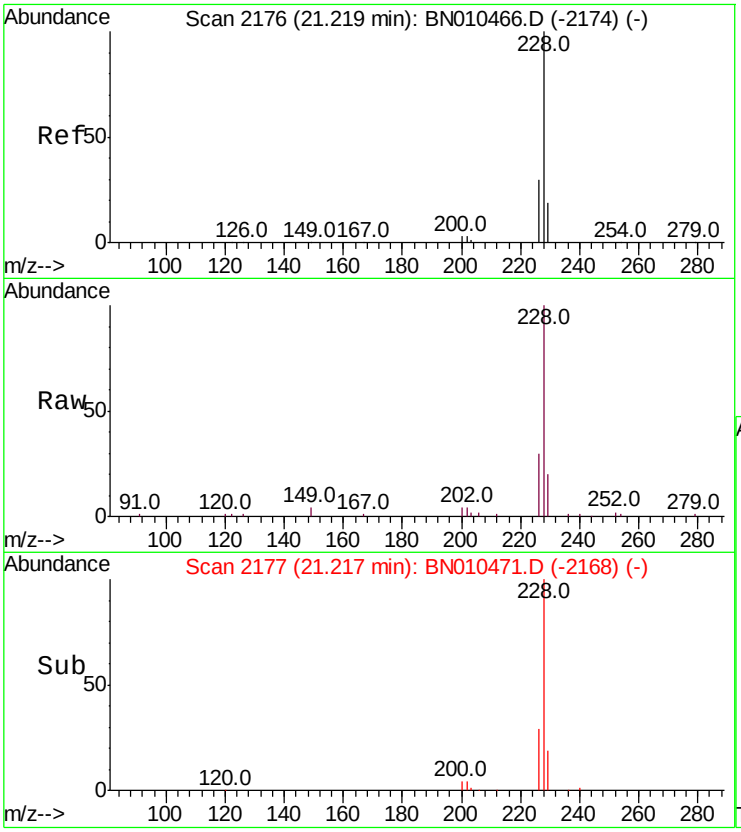


#30
Benzo(a)anthracene
Concen: 0.422 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:228 Resp: 31198

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.9	15.6	23.4



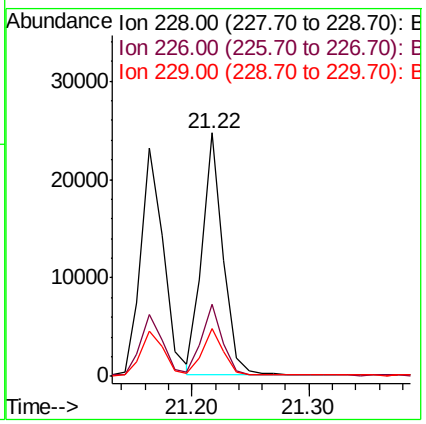


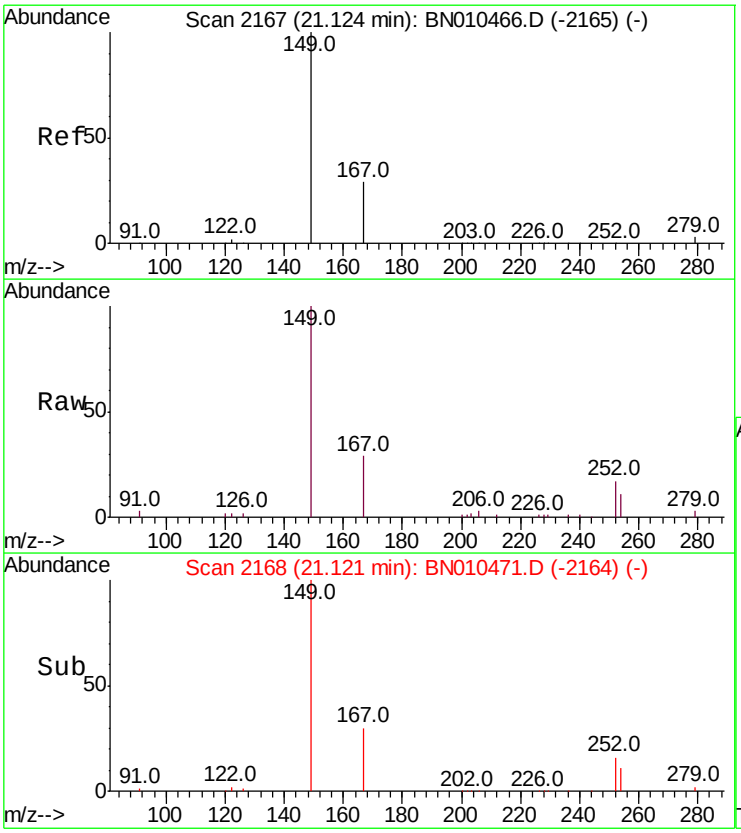
#31
Chrysene
Concen: 0.419 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:228 Resp: 30817

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	19.8	15.8	23.6

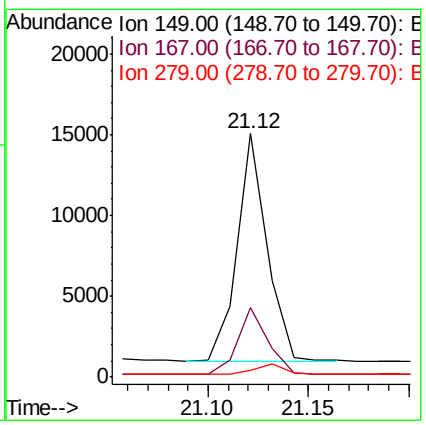


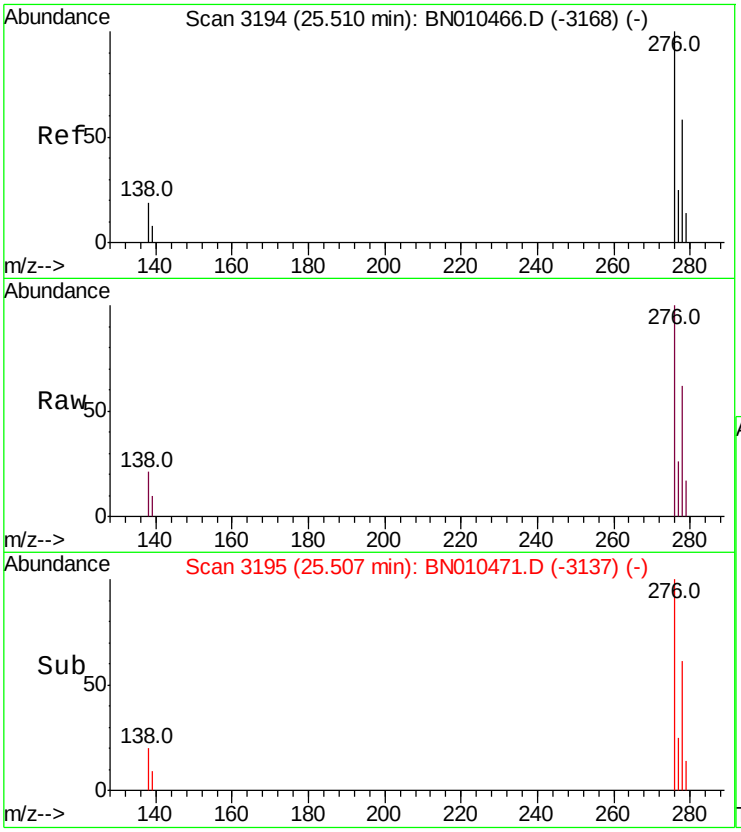


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.383 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:149 Resp: 14522

Ion	Ratio	Lower	Upper
149	100		
167	29.9	23.4	35.0
279	4.8	4.0	6.0



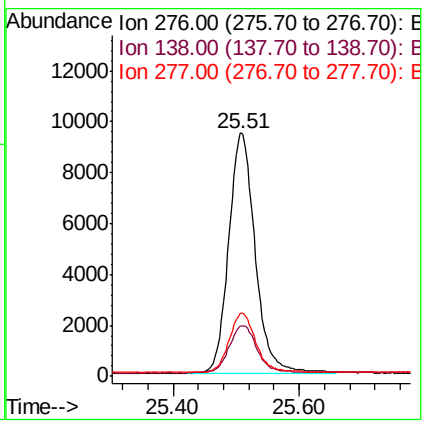


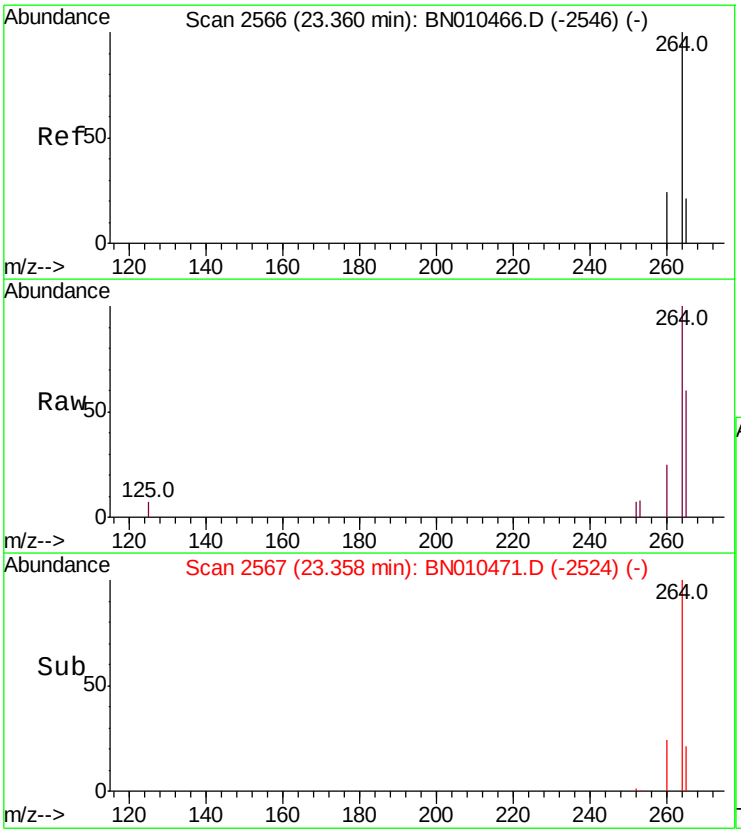
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 25.51 min Scan# 3195
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:276 Resp: 27742

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.4	24.6
277	24.9	19.8	29.6

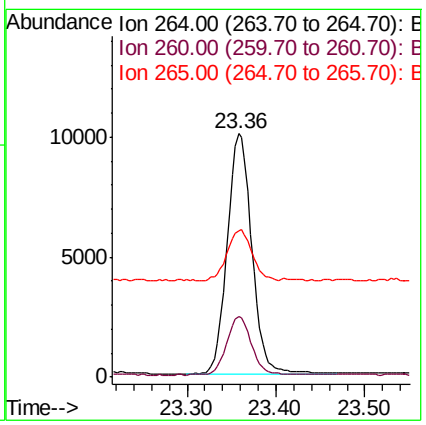


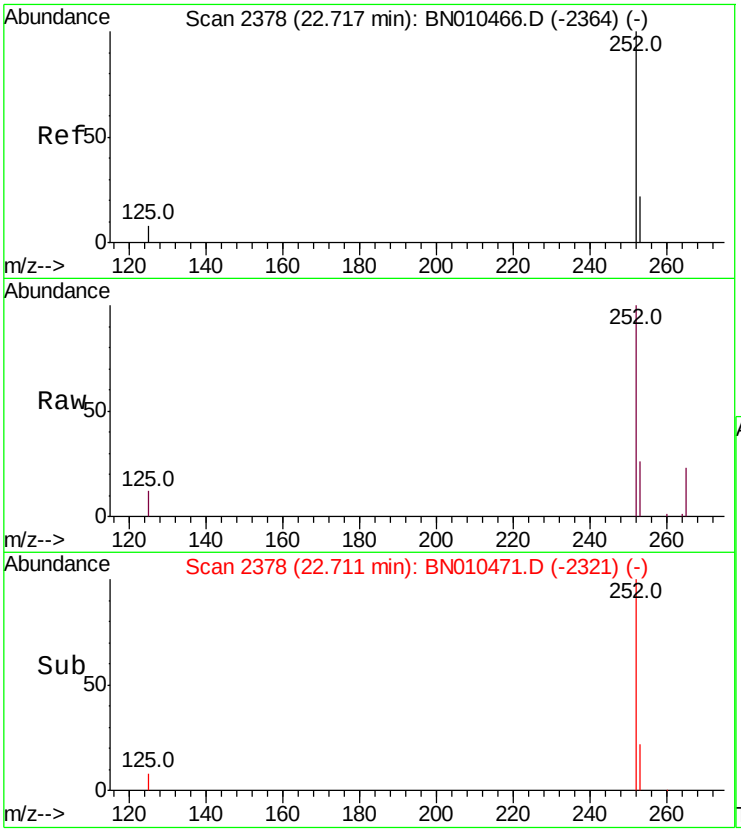


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.36 min Scan# 2567
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:264 Resp: 19299

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	60.3	42.3	63.5



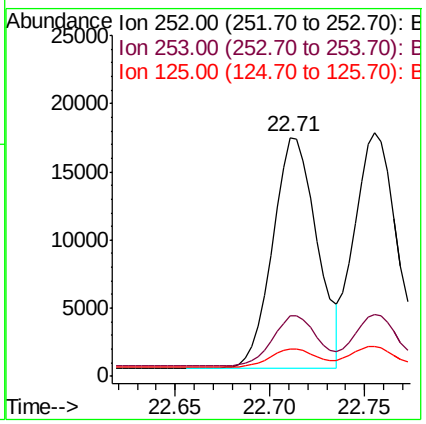


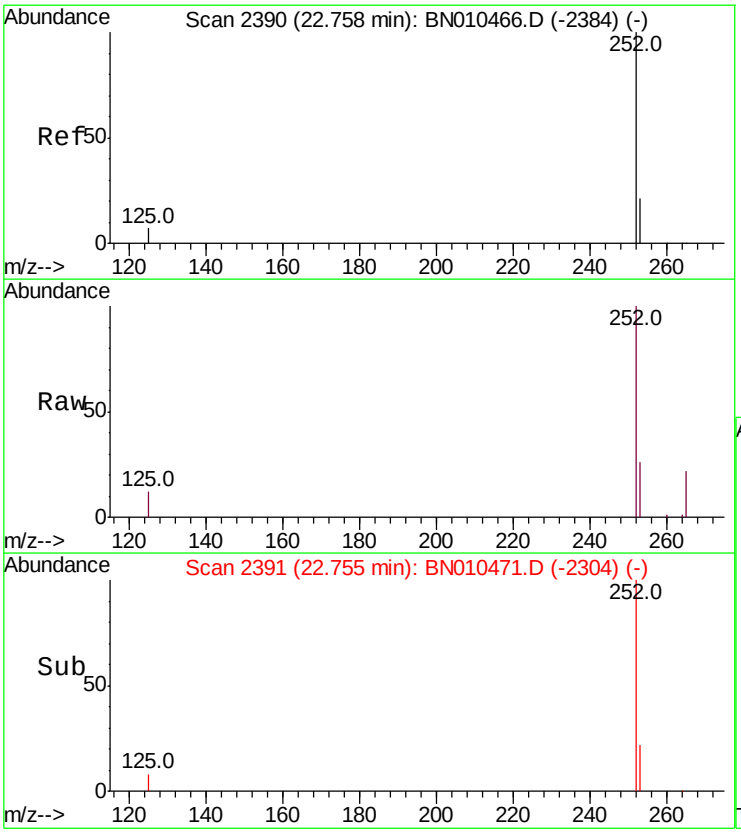
#35
Benzo(b)fluoranthene
Concen: 0.433 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:252 Resp: 27483

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.2	30.4
125	11.7	9.2	13.8

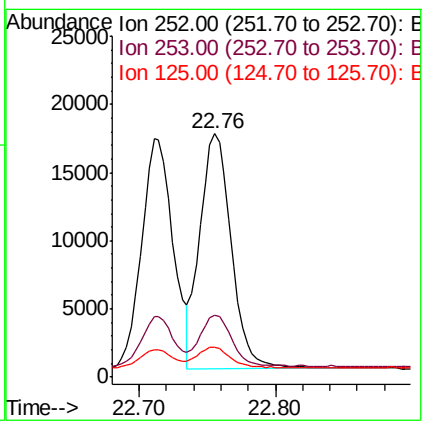


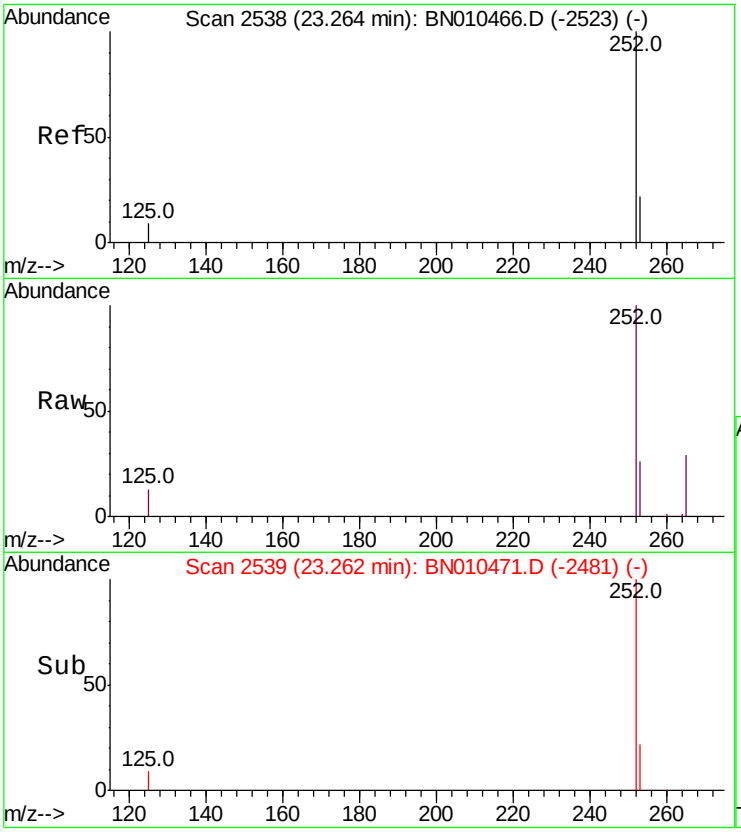


#36
Benzo(k)fluoranthene
Concen: 0.433 ng
RT: 22.76 min Scan# 2391
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:252 Resp: 27553

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.1	30.1
125	12.1	9.6	14.4



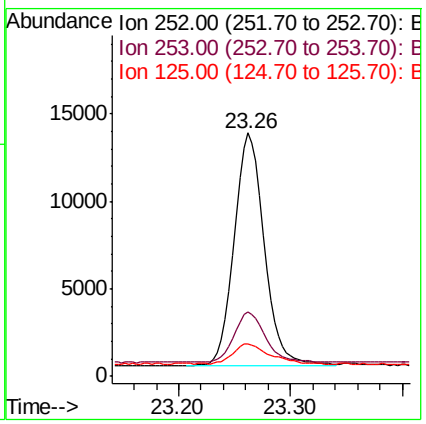


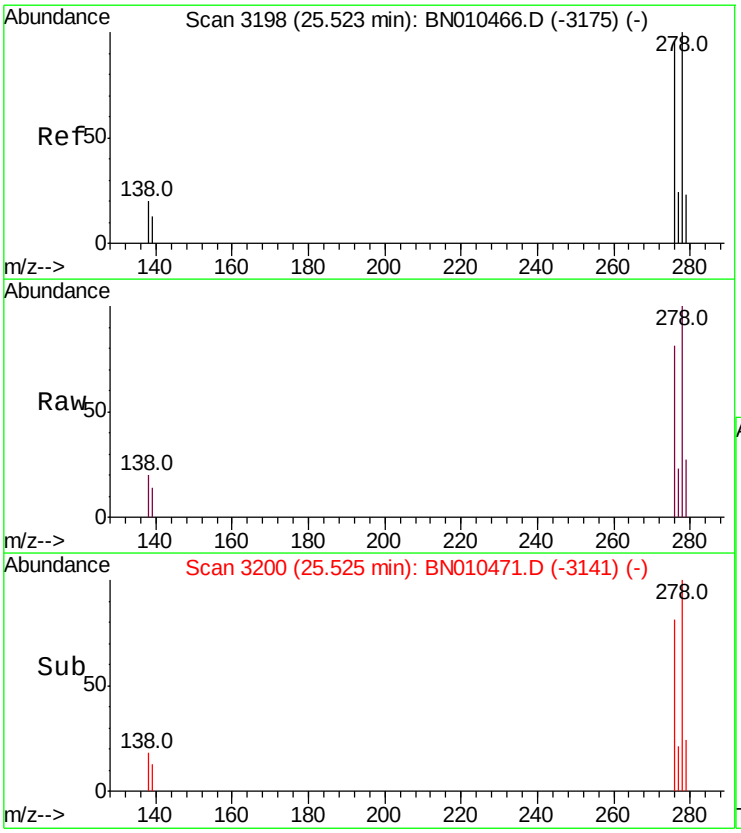
#37
Benzo(a)pyrene
Concen: 0.444 ng
RT: 23.26 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:252 Resp: 24987

Ion	Ratio	Lower	Upper
252	100		
253	26.4	21.8	32.8
125	13.4	11.0	16.6

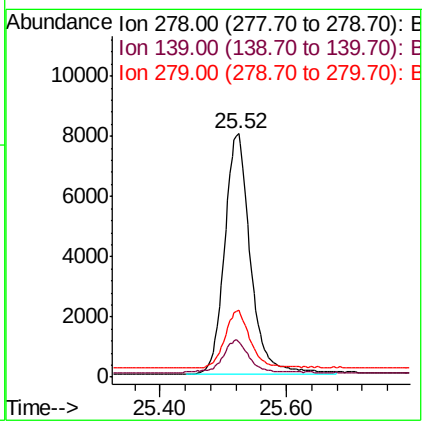


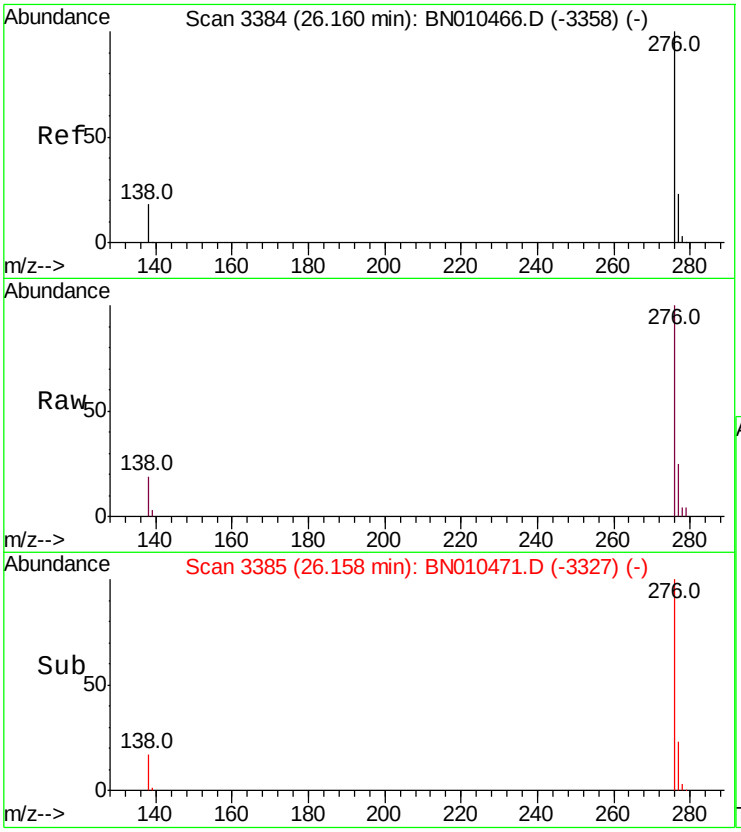


#38
Dibenzo(a,h)anthracene
Concen: 0.442 ng
RT: 25.52 min Scan# 3200
Delta R.T. 0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Tgt Ion:278 Resp: 22752

Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.3	18.5
279	27.4	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.453 ng
RT: 26.16 min Scan# 3385
Delta R.T. -0.00 min
Lab File: BN010471.D
Acq: 13 Apr 2020 17:24

Instrument :
BNA_N
ClientSampleId :
ICVBN041320

Tgt Ion:276 Resp: 23428

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.2	30.2
138	18.8	15.4	23.2