Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
Data File : BN010473.D
Acq On : 14 Apr 2020 08:38
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 14 11:15:57 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	4452	0.40	ng		0.00
7) Naphthalene-d8	10.37	136	17966	0.40	ng		0.00
13) Acenaphthene-d10	14.22	164	11409	0.40	ng		0.00
19) Phenanthrene-d10	16.97	188	24239	0.40	ng		0.00
27) Chrysene-d12	21.19	240	25485	0.40	ng		0.00
34) Perylene-d12	23.35	264	22556	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	4084	0.42	ng		0.00
5) Phenol-d6	6.79	99	5340	0.42	ng		0.00
8) Nitrobenzene-d5	8.73	82	5381	0.43	ng		-0.01
11) 2-Methylnaphthalene-d10	11.96	152	12079	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.73	330	1999	0.37	ng		0.00
15) 2-Fluorobiphenyl	12.84	172	18690	0.45	ng		0.00
25) Fluoranthene-d10	19.01	212	30003	0.41	ng		0.00
29) Terphenyl-d14	19.62	244	27338	0.47	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	1391	0.424	ng		96
3) n-Nitrosodimethylamine	3.57	42	865	0.407	ng	#	89
6) bis(2-Chloroethyl)ether	7.04	93	4901	0.444	ng		98
9) Naphthalene	10.41	128	19406	0.435	ng		99
10) Hexachlorobutadiene	10.71	225	4515	0.420	ng	#	99
12) 2-Methylnaphthalene	12.03	142	14229	0.444	ng		97
16) Acenaphthylene	13.95	152	20828	0.423	ng		100
17) Acenaphthene	14.29	154	13577	0.429	ng		98
18) Fluorene	15.28	166	17473	0.421	ng		100
20) 4-Bromophenyl-phenylether	16.18	248	5710	0.424	ng	#	92
21) Hexachlorobenzene	16.29	284	6835	0.445	ng		99
22) Pentachlorophenol	16.63	266	2187	0.362	ng		97
23) Phenanthrene	17.02	178	29311	0.448	ng		100
24) Anthracene	17.10	178	26488	0.443	ng		100
26) Fluoranthene	19.04	202	36117	0.443	ng		99
28) Pyrene	19.41	202	36541	0.426	ng		100
30) Benzo(a)anthracene	21.16	228	34400	0.414	ng		99
31) Chrysene	21.22	228	35790	0.432	ng		99
32) Bis(2-ethylhexyl)phthalate	21.12	149	15771	0.370	ng		99
33) Indeno(1,2,3-cd)pyrene	25.50	276	32440	0.443	ng		99
35) Benzo(b)fluoranthene	22.71	252	31512	0.424	ng		99
36) Benzo(k)fluoranthene	22.75	252	32429	0.436	ng		100
37) Benzo(a)pyrene	23.26	252	29007	0.441	ng		98
38) Dibenzo(a,h)anthracene	25.51	278	26366	0.439	ng		98
39) Benzo(g,h,i)perylene	26.15	276	27658	0.457	ng		99

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

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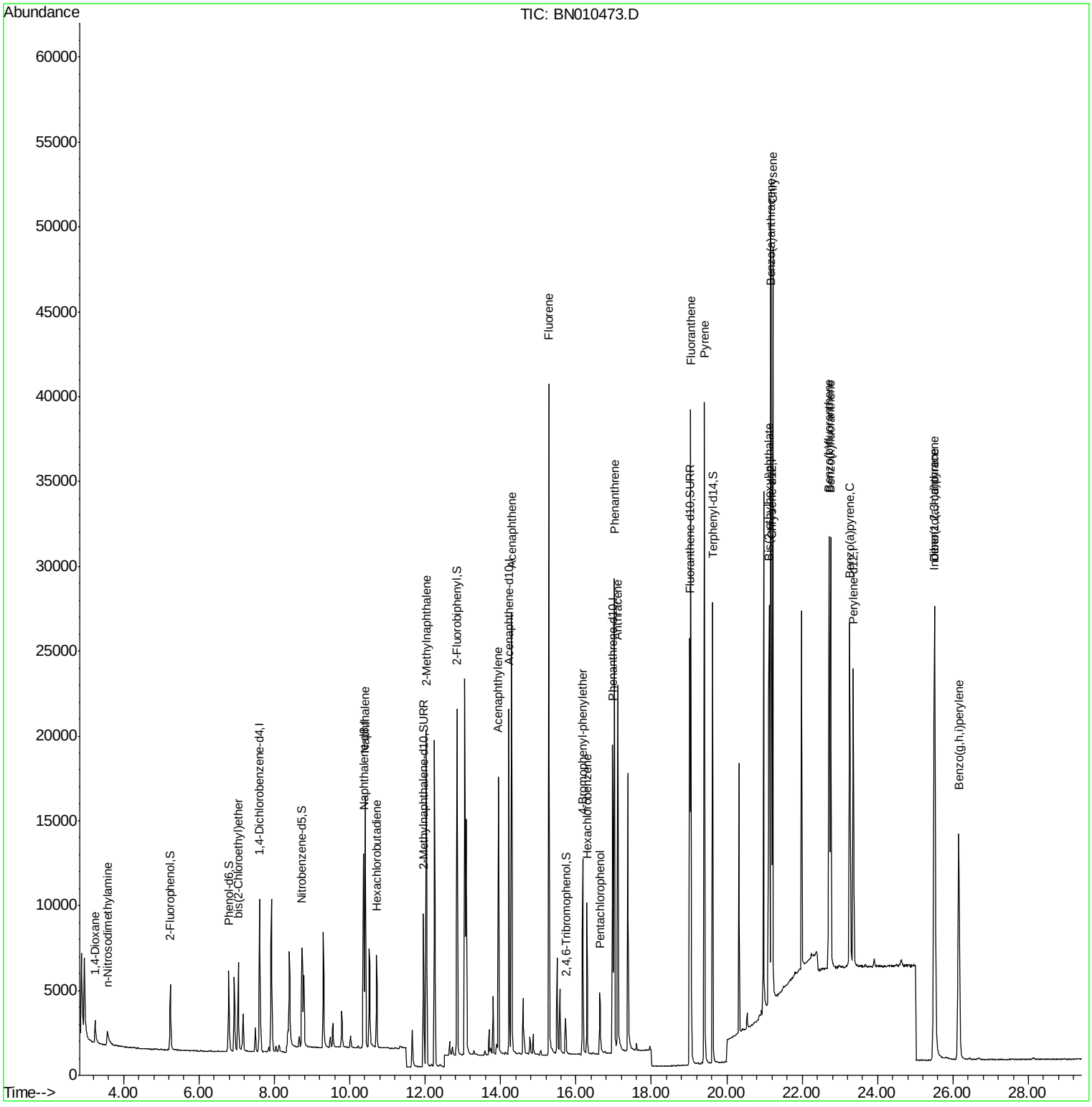
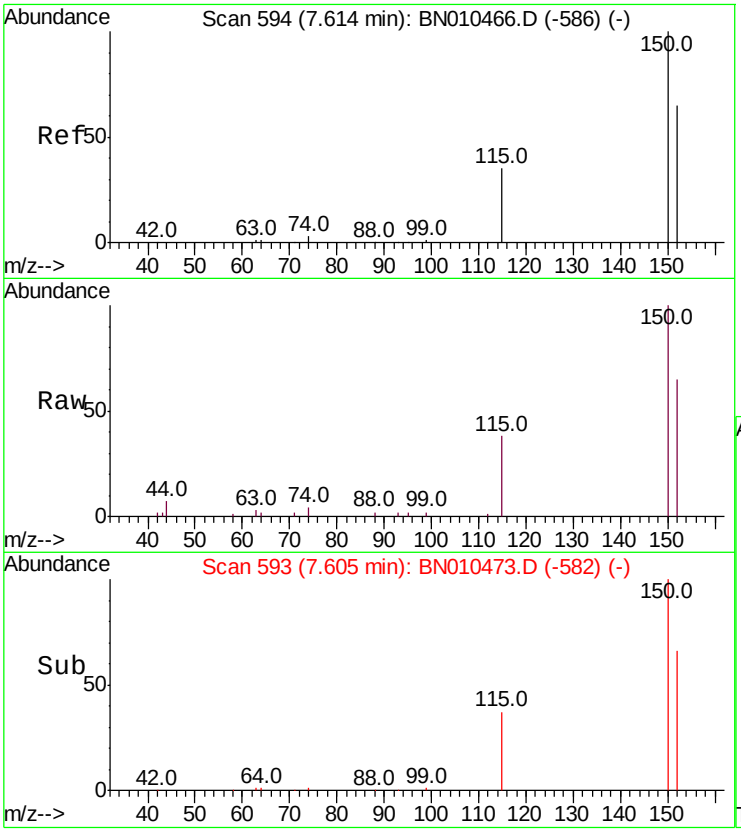
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 14 11:15:57 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



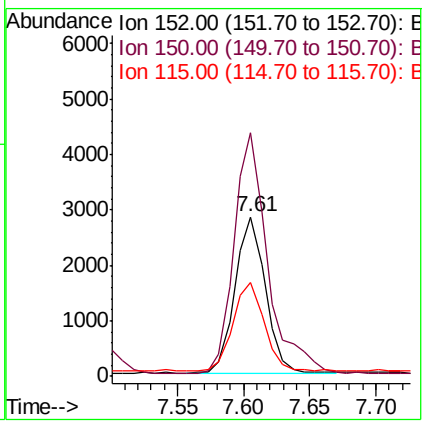


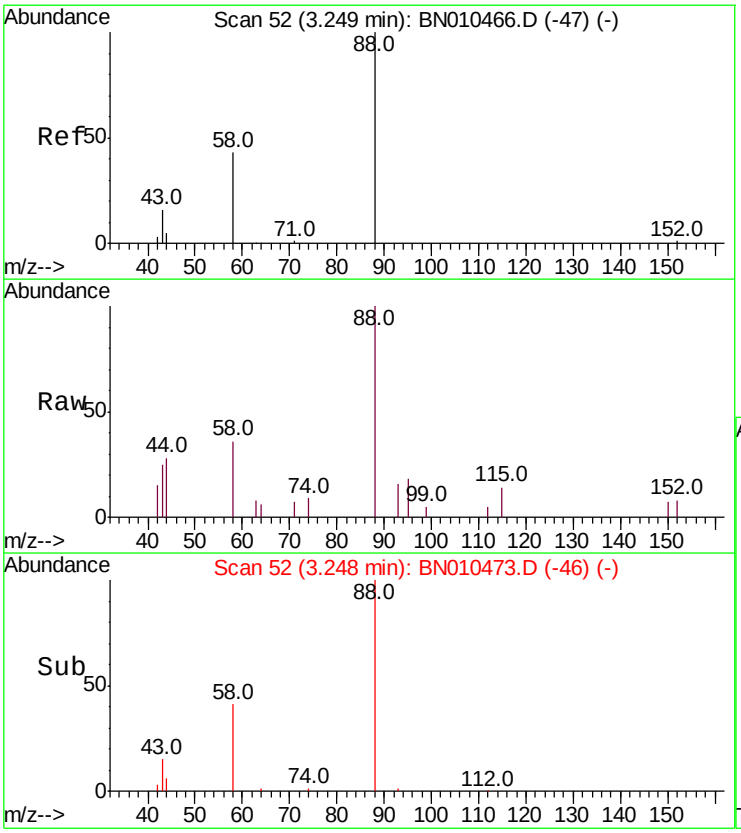
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.61 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4452

Ion	Ratio	Lower	Upper
152	100		
150	152.8	121.8	182.6
115	58.7	45.5	68.3

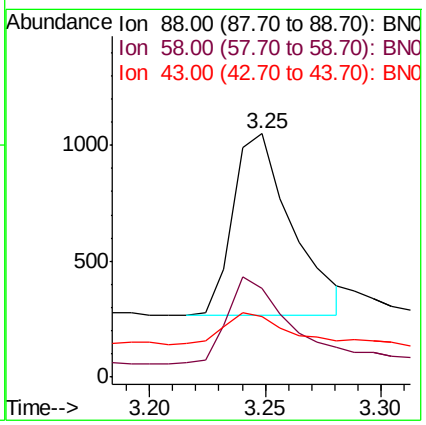


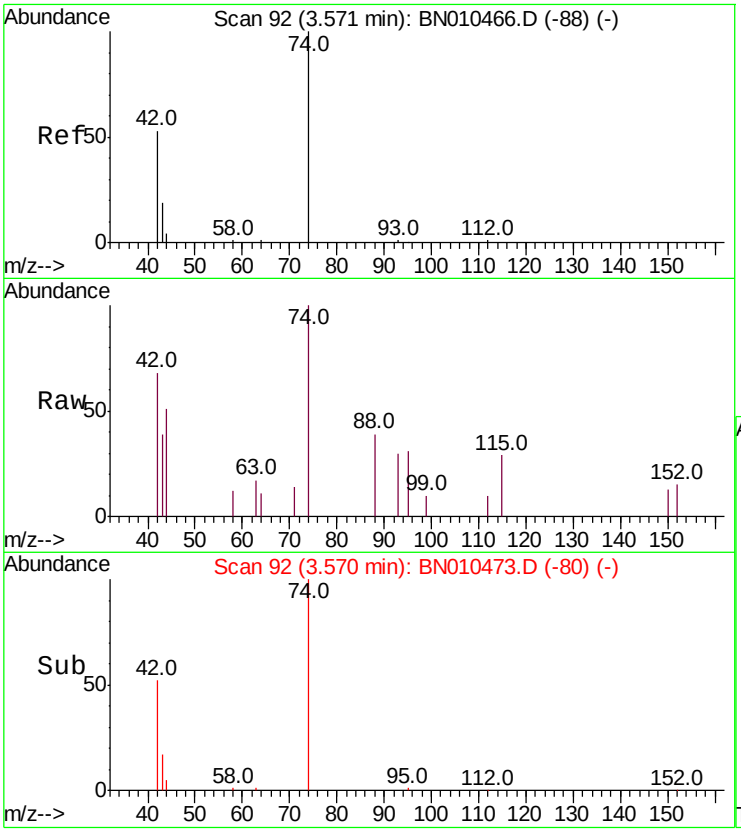


#2
1,4-Dioxane
Concen: 0.424 ng
RT: 3.25 min Scan# 52
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion: 88 Resp: 1391

Ion	Ratio	Lower	Upper
88	100		
58	47.9	36.5	54.7
43	18.8	13.2	19.8



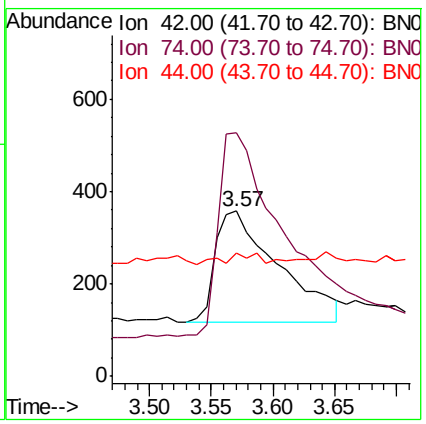


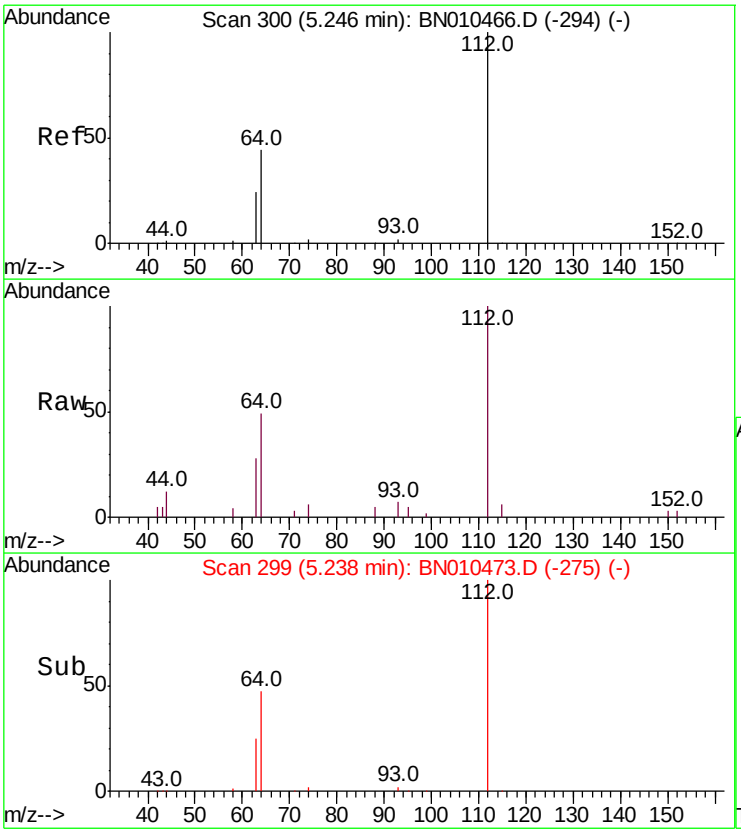
#3
n-Nitrosodimethylamine
Concen: 0.407 ng
RT: 3.57 min Scan# 92
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 865

Ion	Ratio	Lower	Upper
42	100		
74	186.0	162.2	243.4
44	6.5	2.4	3.6#

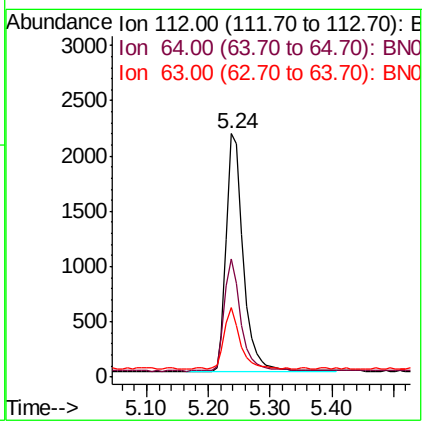


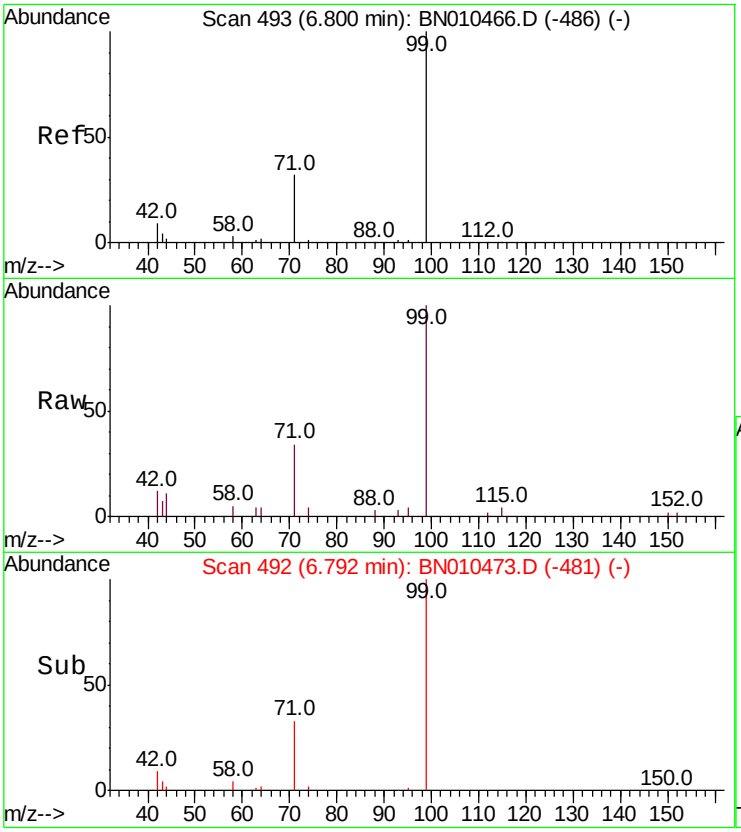


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.24 min Scan# 299
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:112 Resp: 4084

Ion	Ratio	Lower	Upper
112	100		
64	45.6	35.8	53.8
63	24.5	19.9	29.9



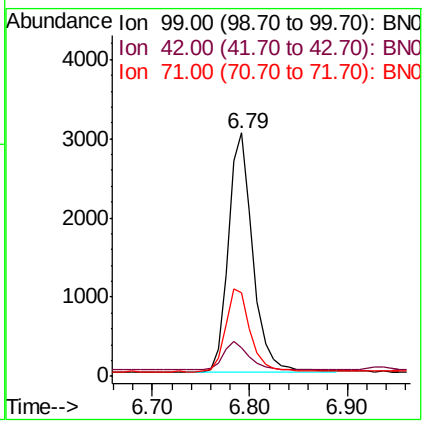


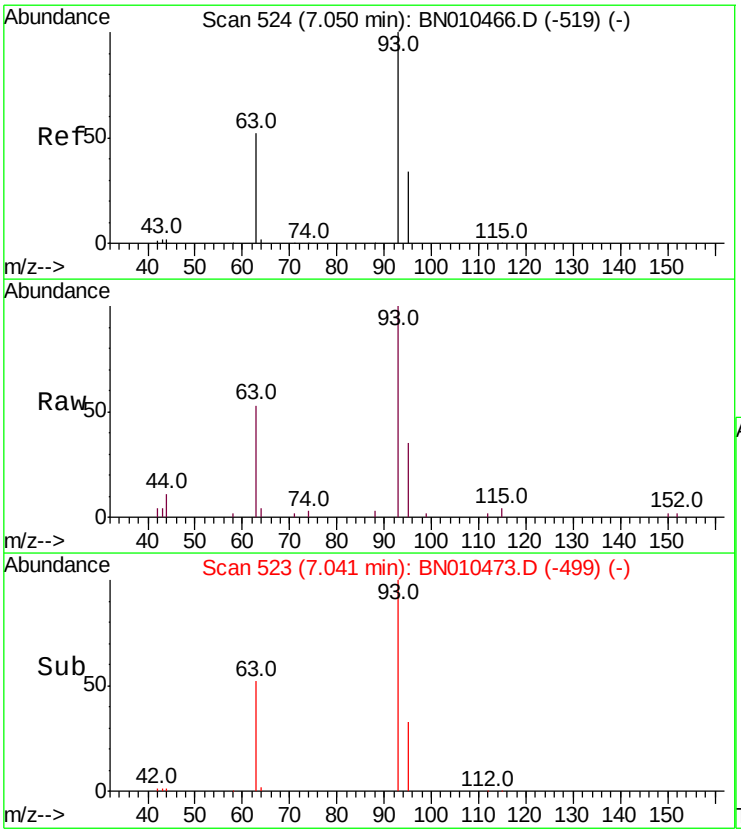
#5
Phenol-d6
Concen: 0.419 ng
RT: 6.79 min Scan# 492
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5340

Ion	Ratio	Lower	Upper
99	100		
42	12.4	9.8	14.6
71	35.3	27.8	41.8

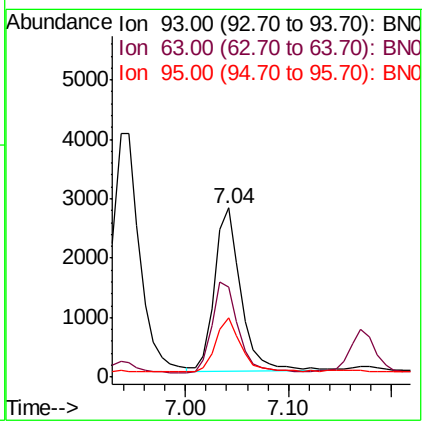


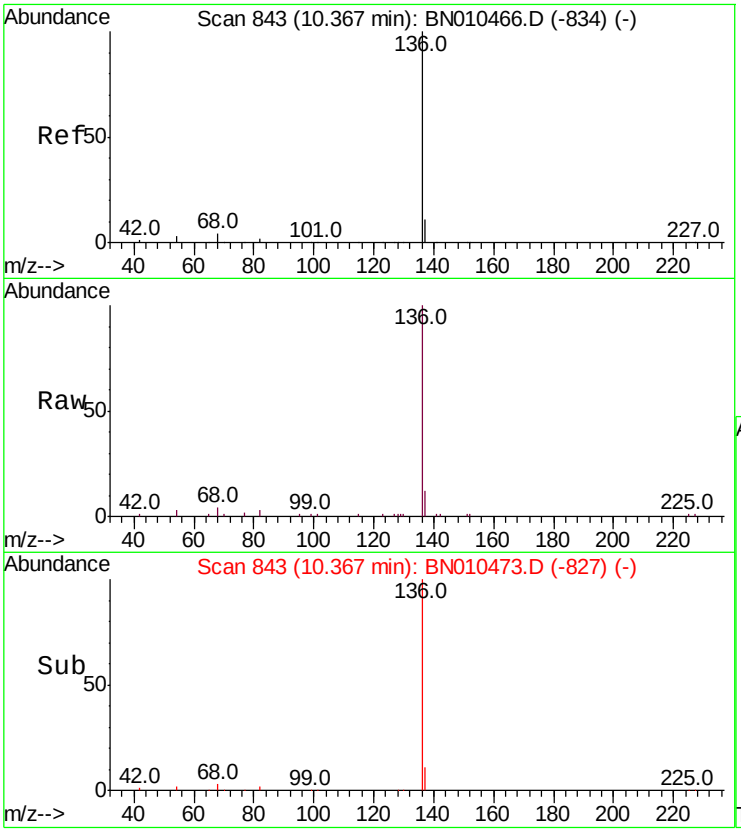


#6
bis(2-Chloroethyl)ether
Concen: 0.444 ng
RT: 7.04 min Scan# 523
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion: 93 Resp: 4901

Ion	Ratio	Lower	Upper
93	100		
63	54.9	44.6	66.8
95	31.6	26.5	39.7



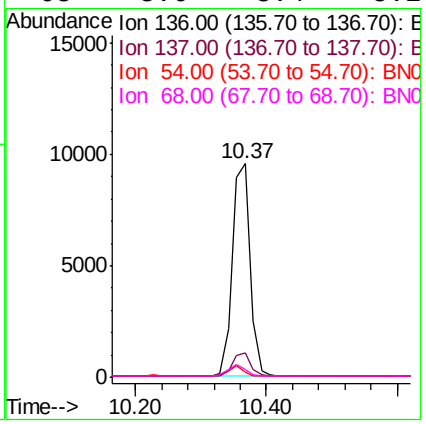


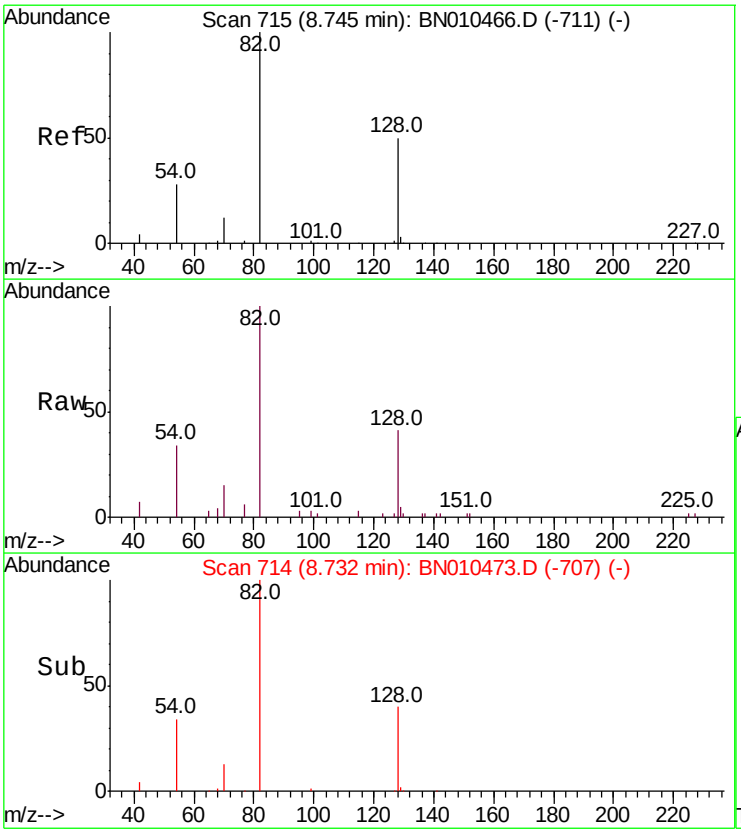
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.37 min Scan# 843
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 17966

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	2.7	2.6	4.0
68	3.6	3.4	5.2

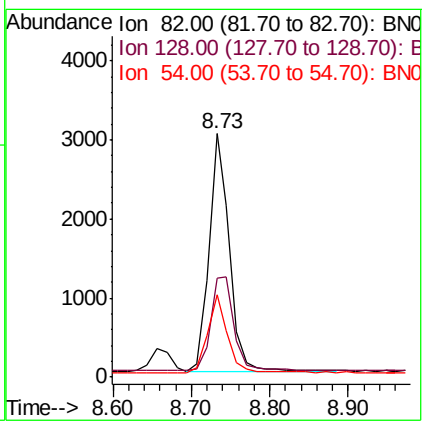


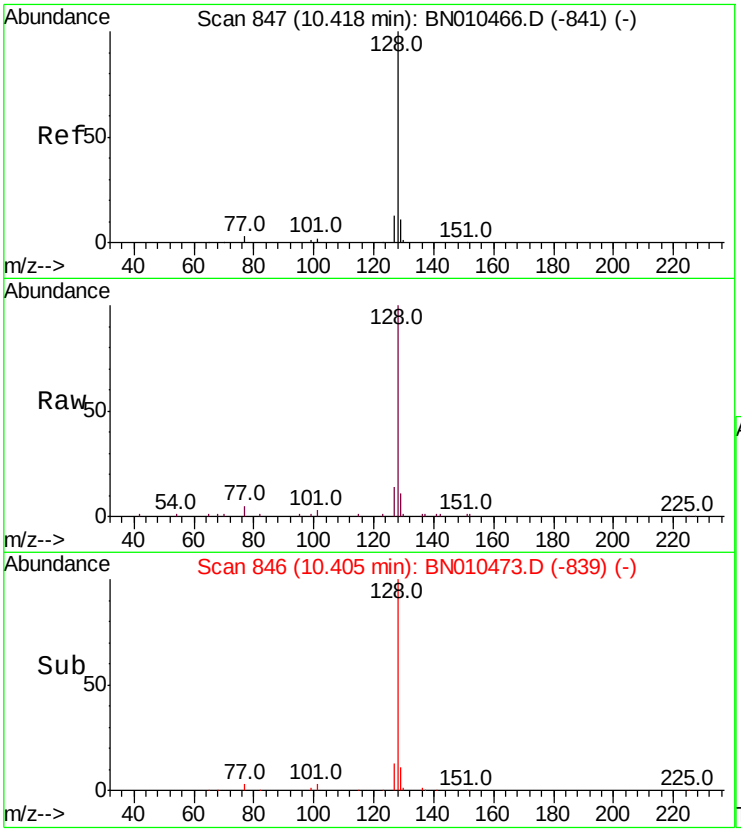


#8
Nitrobenzene-d5
Concen: 0.428 ng
RT: 8.73 min Scan# 714
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion: 82 Resp: 5381

Ion	Ratio	Lower	Upper
82	100		
128	40.5	41.3	61.9#
54	34.0	23.4	35.0



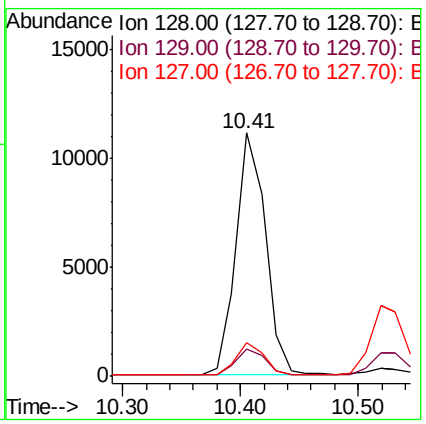


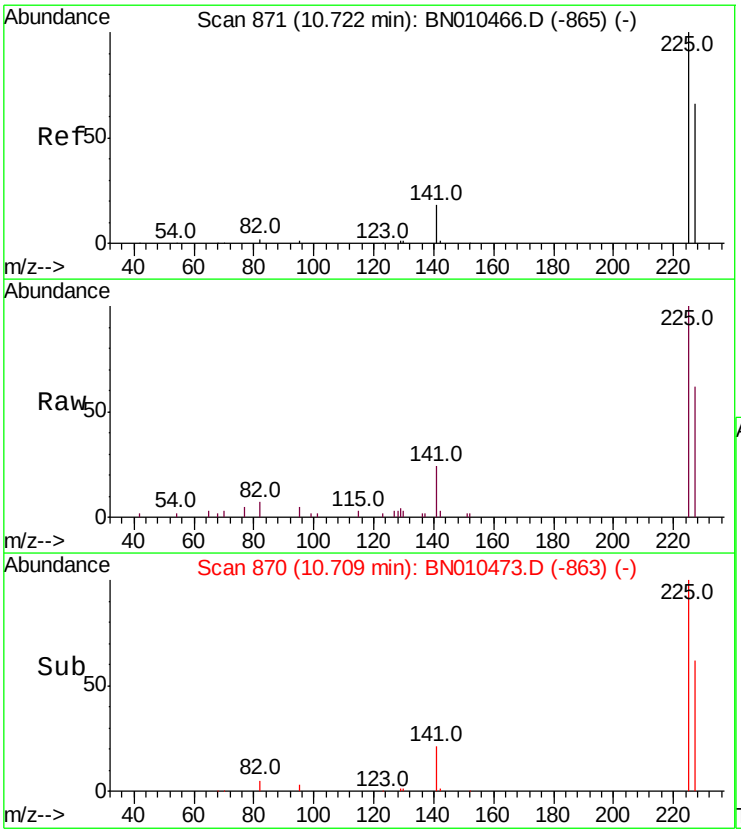
#9
Naphthalene
Concen: 0.435 ng
RT: 10.41 min Scan# 846
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 19406

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.8	10.5	15.7

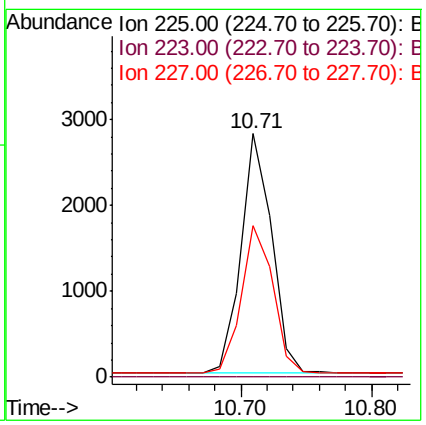


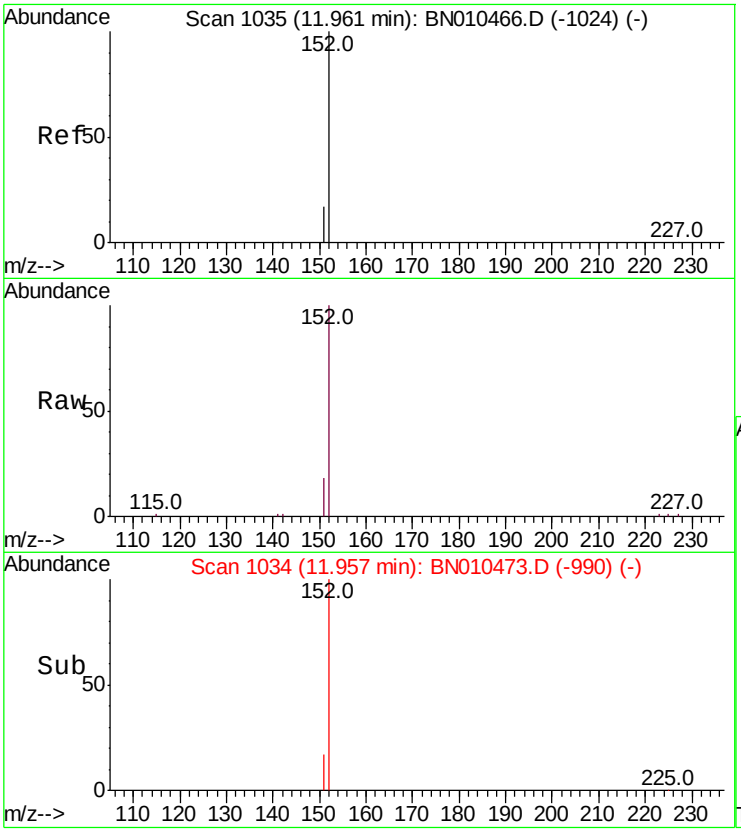


#10
Hexachlorobutadiene
Concen: 0.420 ng
RT: 10.71 min Scan# 870
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:225 Resp: 4515

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



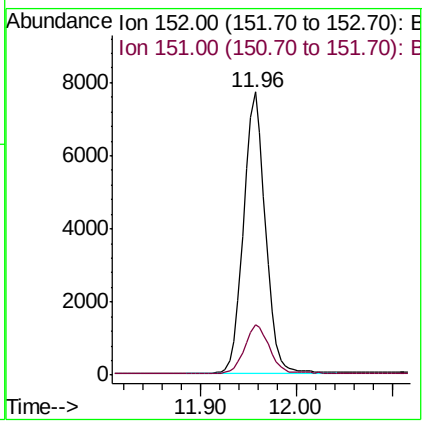


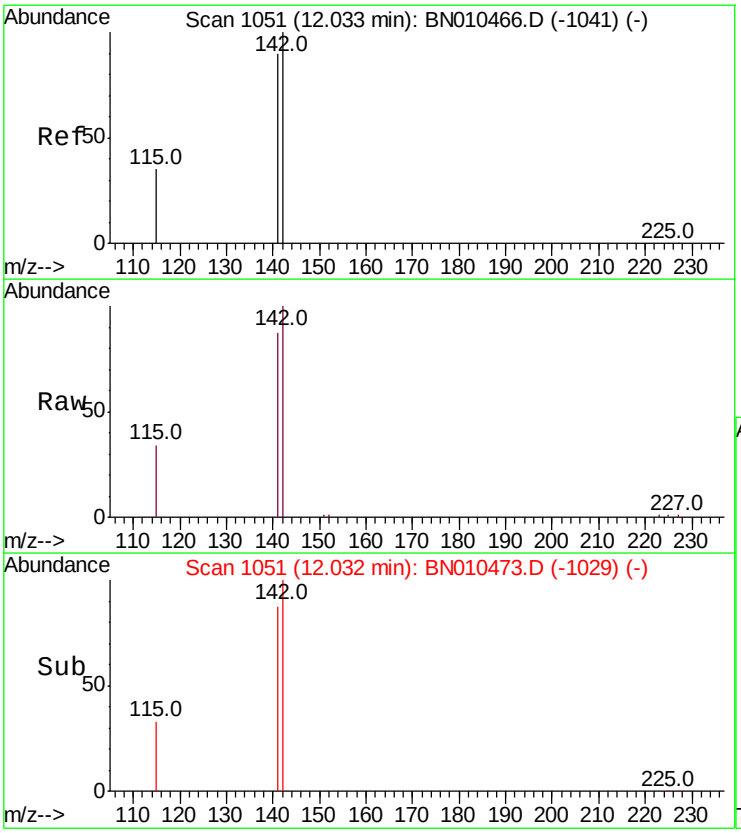
#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 11.96 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 12079

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9

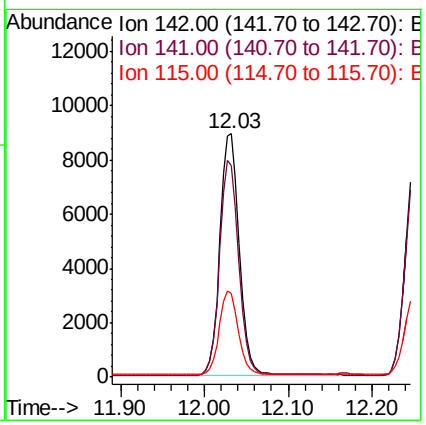


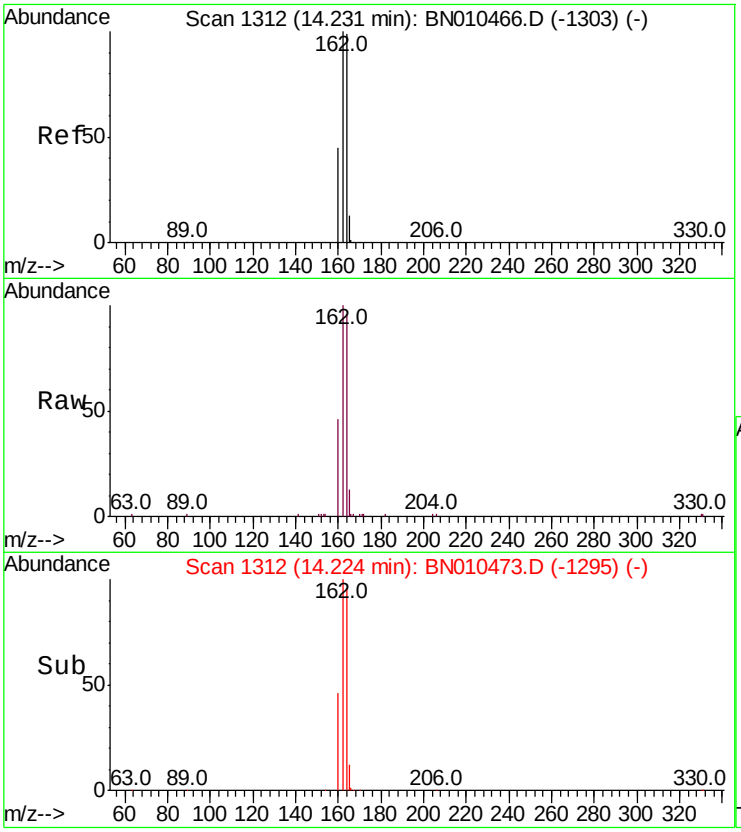


#12
2-Methylnaphthalene
Concen: 0.444 ng
RT: 12.03 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:142 Resp: 14229

Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.9	107.9
115	34.2	28.8	43.2



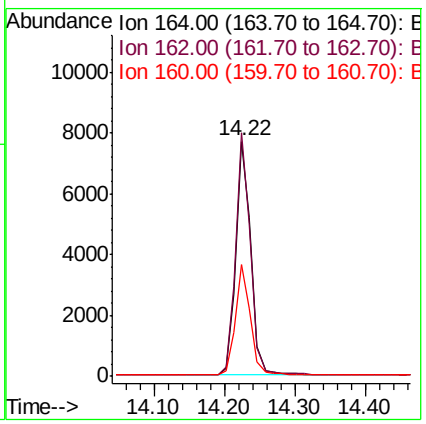


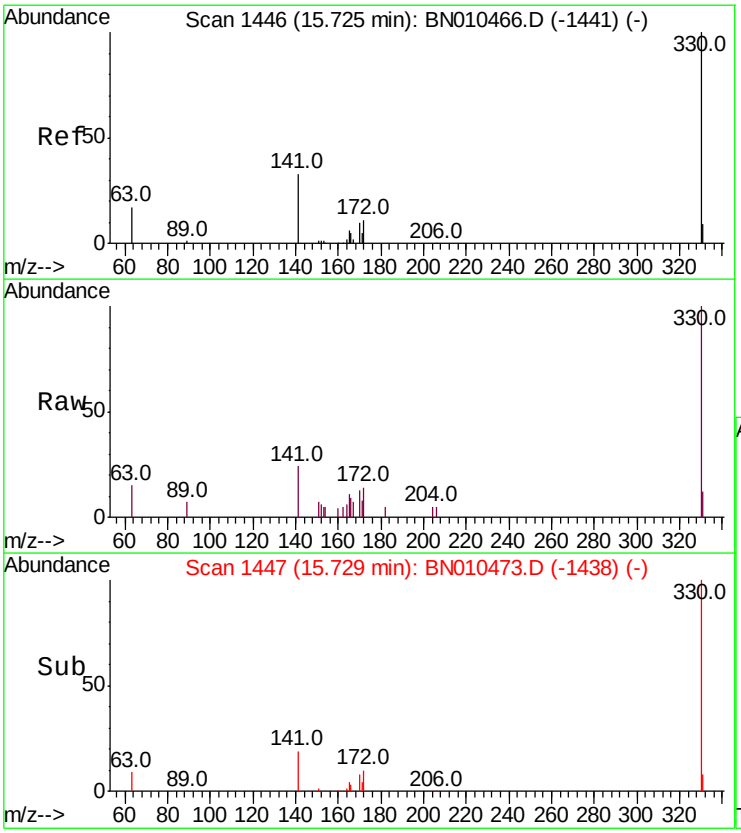
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 11409

Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.6	121.0
160	47.9	36.5	54.7

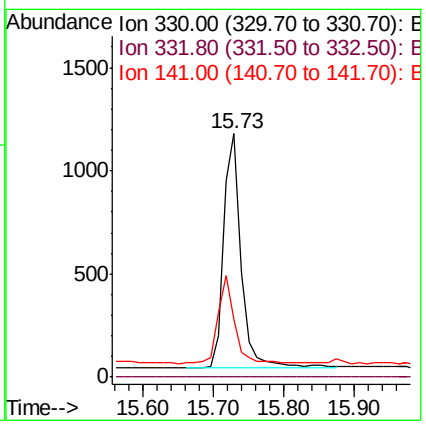


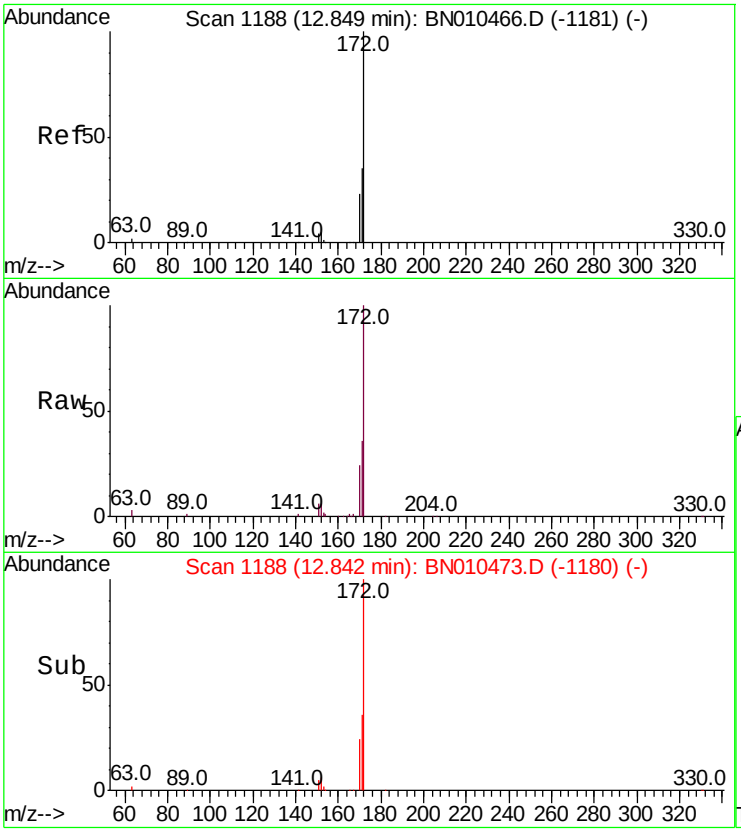


#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.73 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:330 Resp: 1999

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.8	28.1	42.1



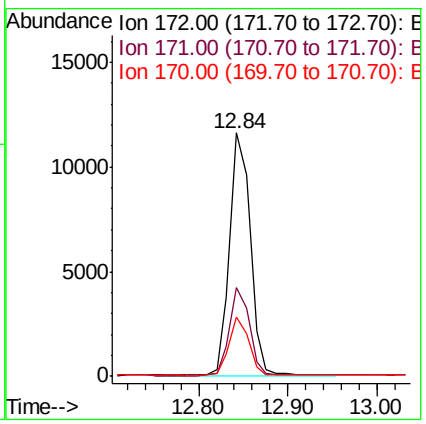


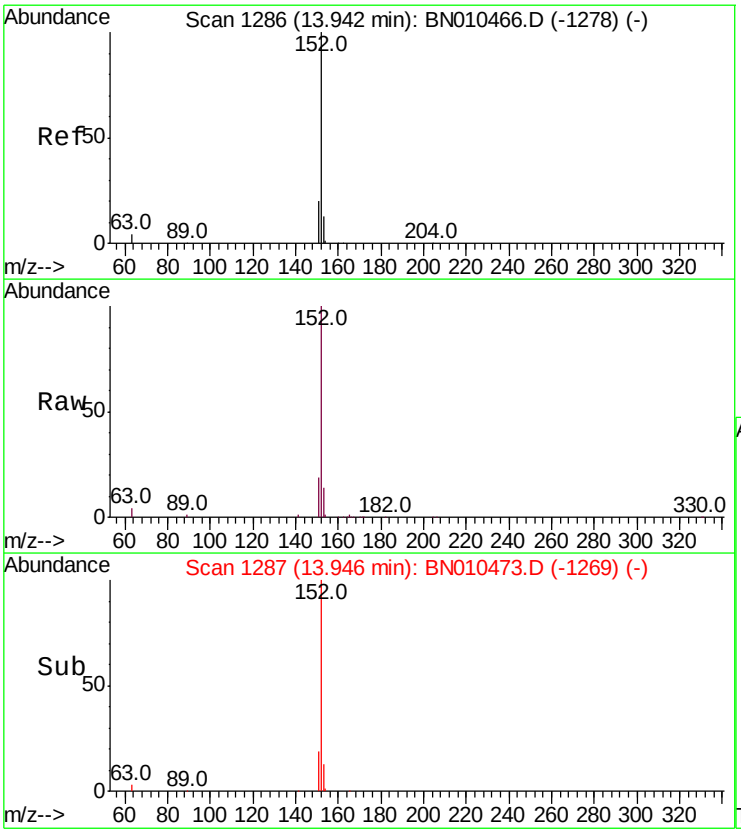
#15
2-Fluorobiphenyl
Concen: 0.450 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 18690

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.2
170	24.2	18.4	27.6

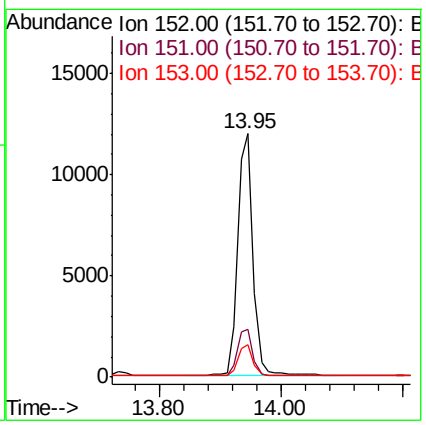


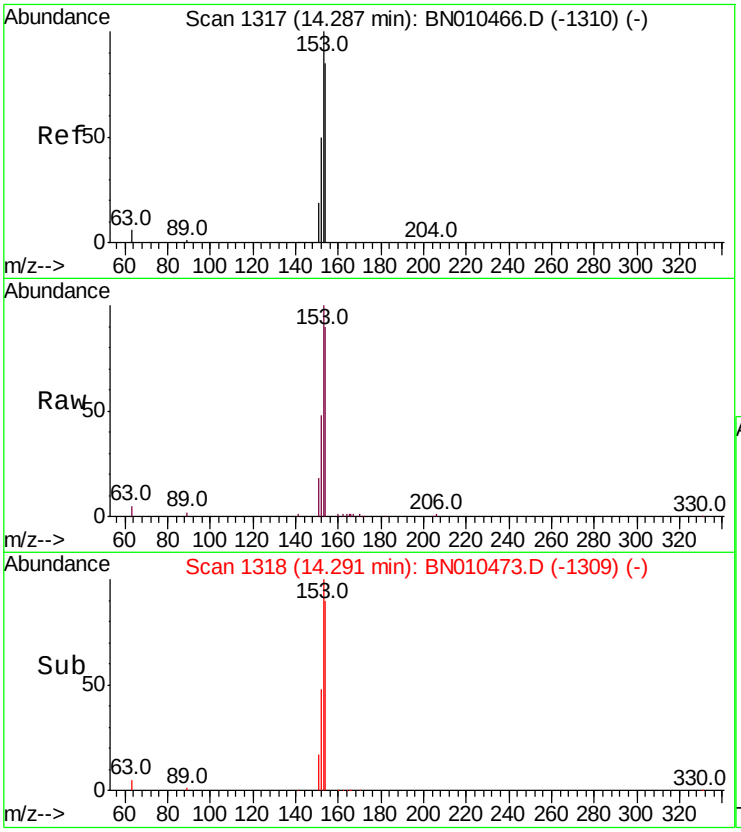


#16
Acenaphthylene
Concen: 0.423 ng
RT: 13.95 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:152 Resp: 20828

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.6	15.8



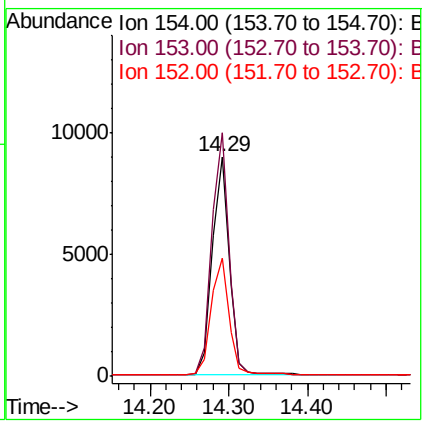


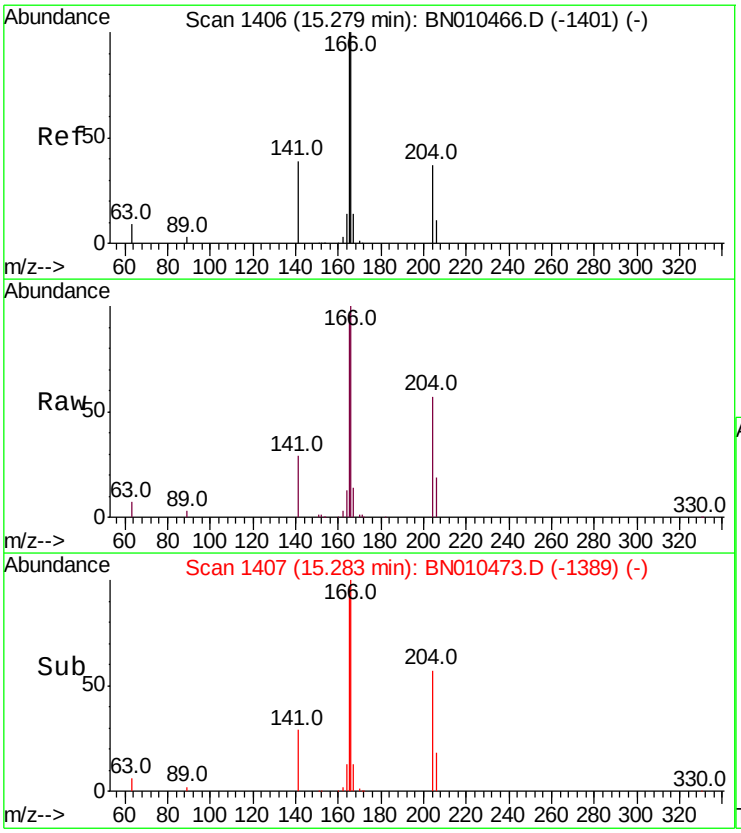
#17
Acenaphthene
Concen: 0.429 ng
RT: 14.29 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 13577

Ion	Ratio	Lower	Upper
154	100		
153	111.8	91.0	136.4
152	54.8	44.6	67.0

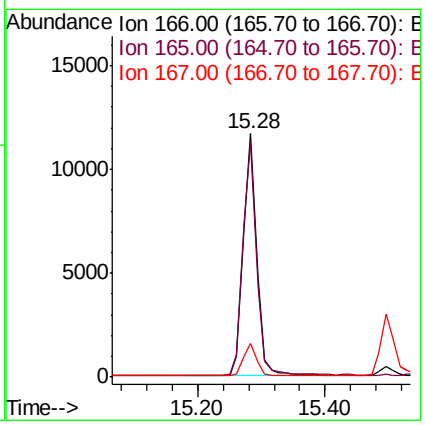


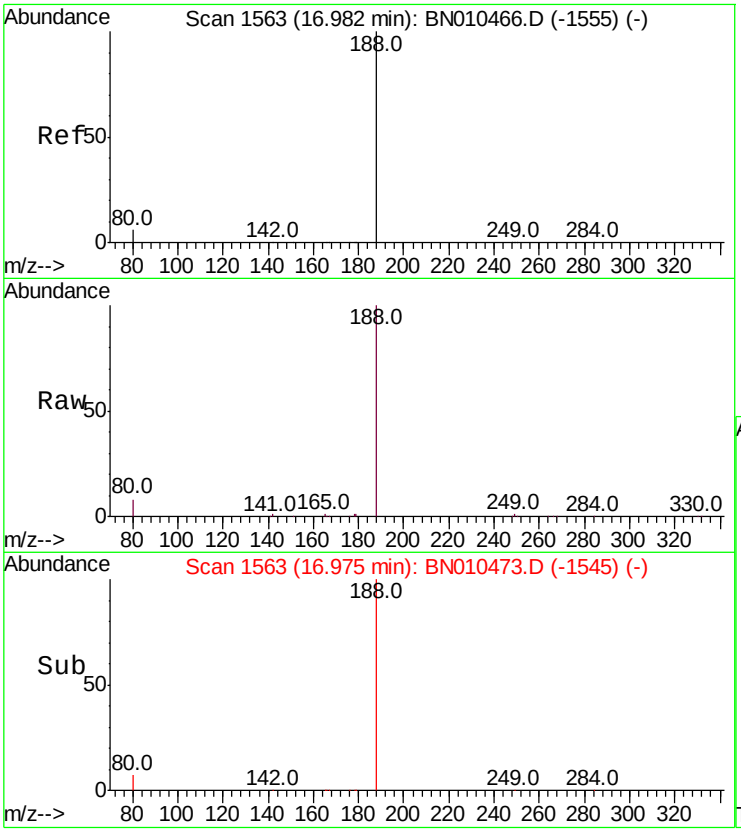


#18
Fluorene
Concen: 0.421 ng
RT: 15.28 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:166 Resp: 17473

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	13.4	10.9	16.3



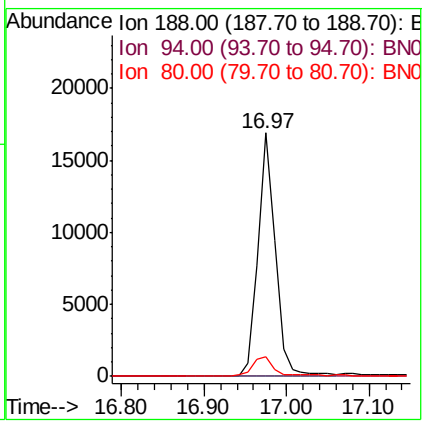


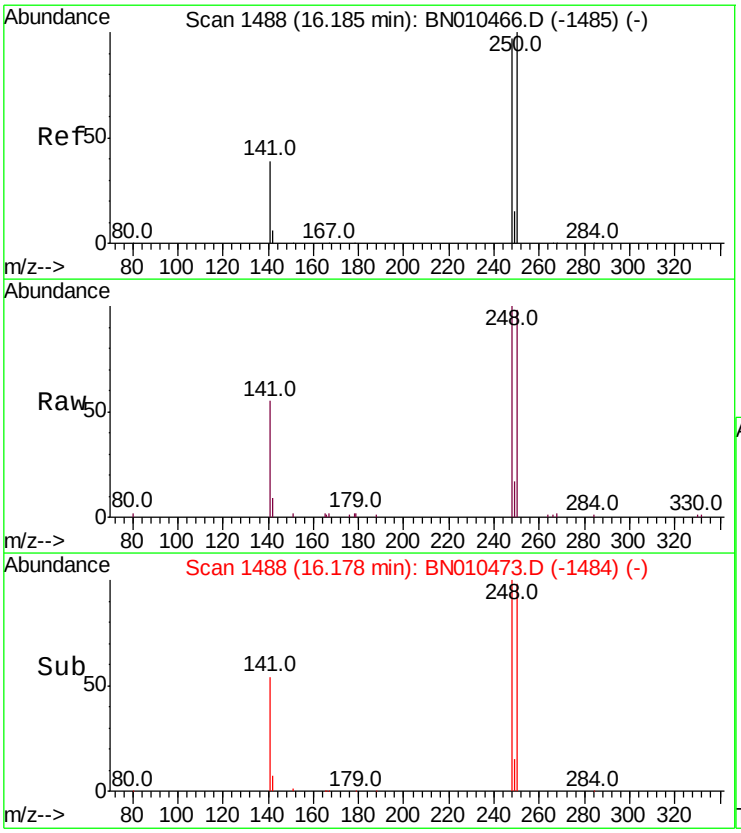
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.97 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 24239

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	5.0	7.6#

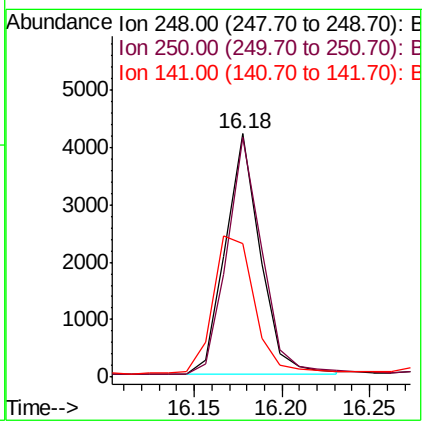


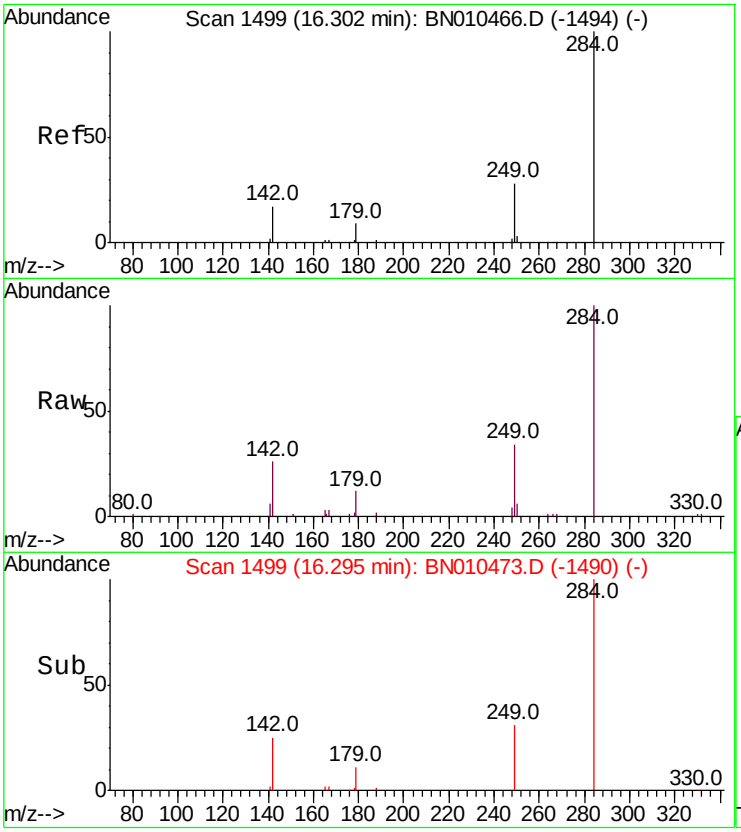


#20
4-Bromophenyl-phenylether
Concen: 0.424 ng
RT: 16.18 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:248 Resp: 5710

Ion	Ratio	Lower	Upper
248	100		
250	98.4	82.3	123.5
141	54.8	35.2	52.8#



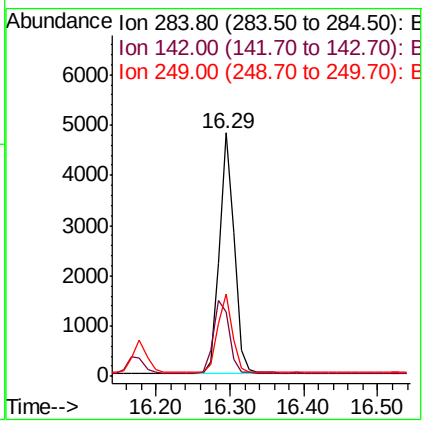


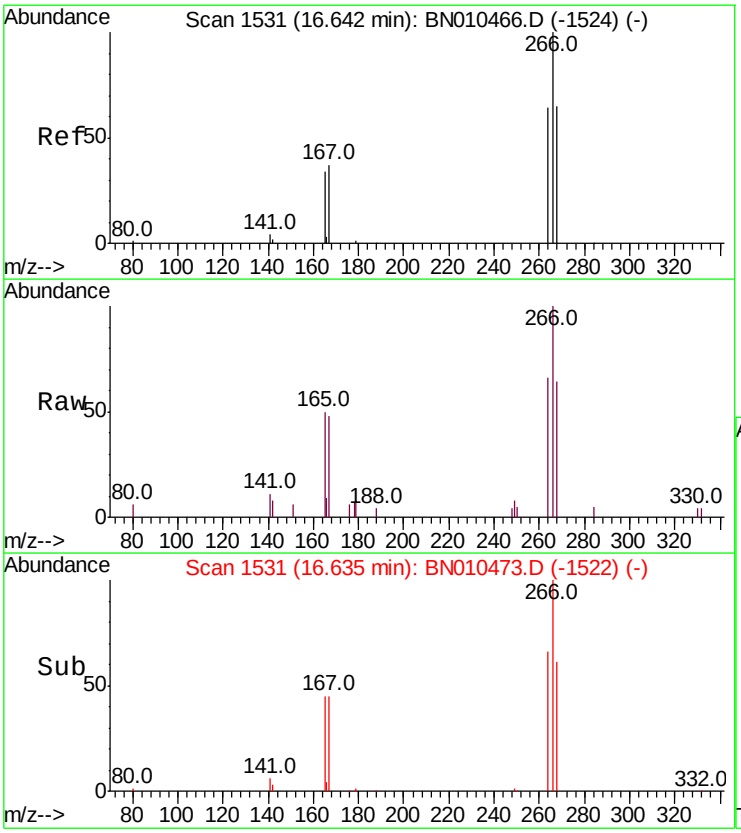
#21
Hexachlorobenzene
Concen: 0.445 ng
RT: 16.29 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 6835

Ion	Ratio	Lower	Upper
284	100		
142	33.1	25.5	38.3
249	32.0	25.8	38.6

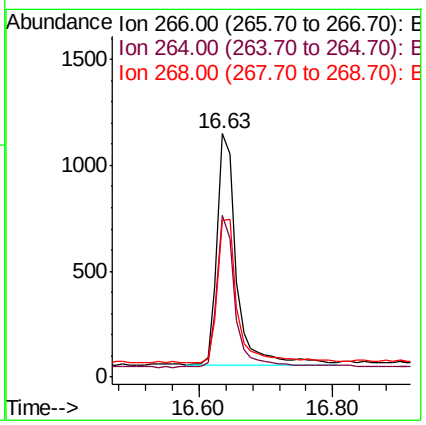


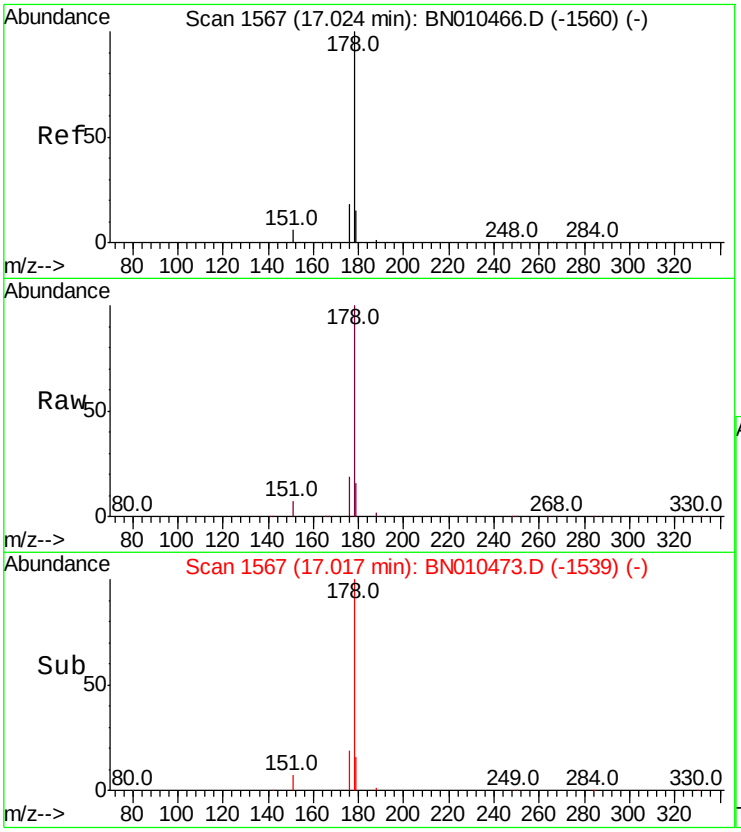


#22
Pentachlorophenol
Concen: 0.362 ng
RT: 16.63 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:266 Resp: 2187

Ion	Ratio	Lower	Upper
266	100		
264	66.5	51.8	77.6
268	64.4	53.7	80.5



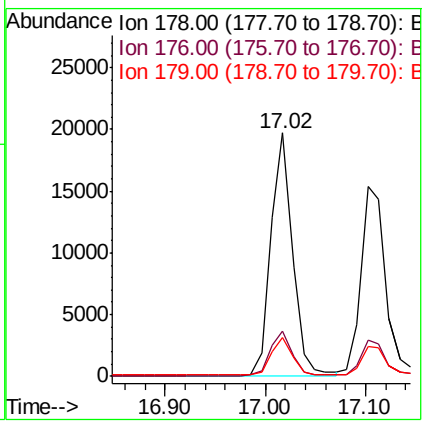


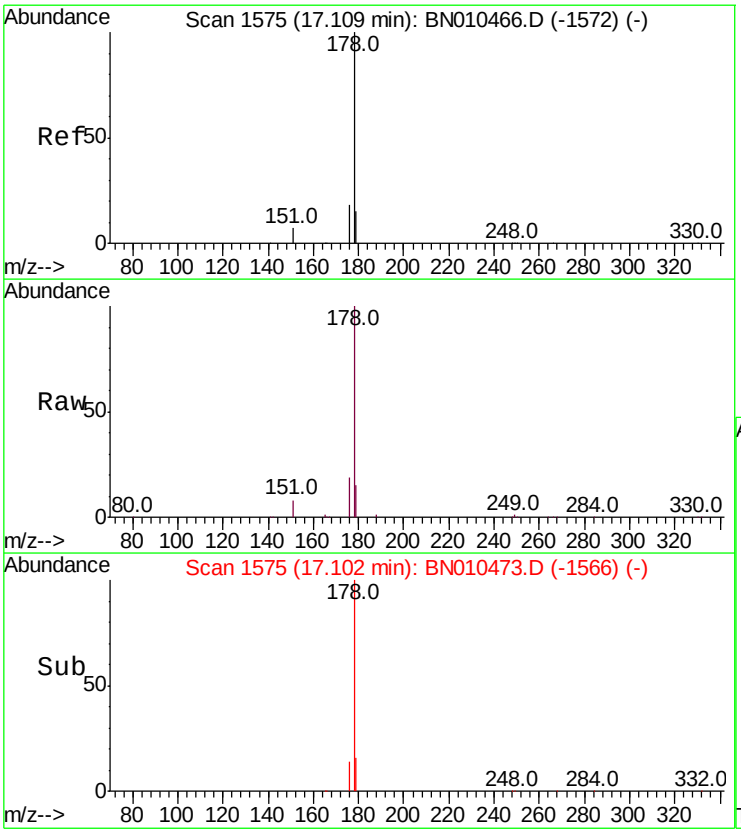
#23
Phenanthrene
Concen: 0.448 ng
RT: 17.02 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 29311

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.6	18.8

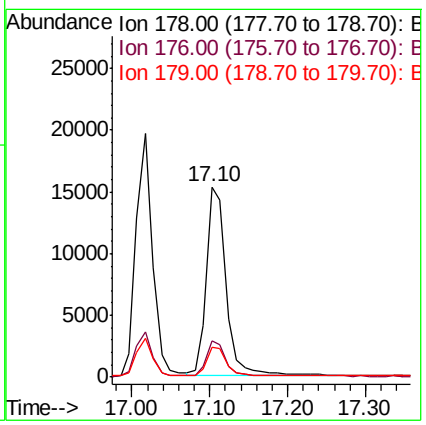


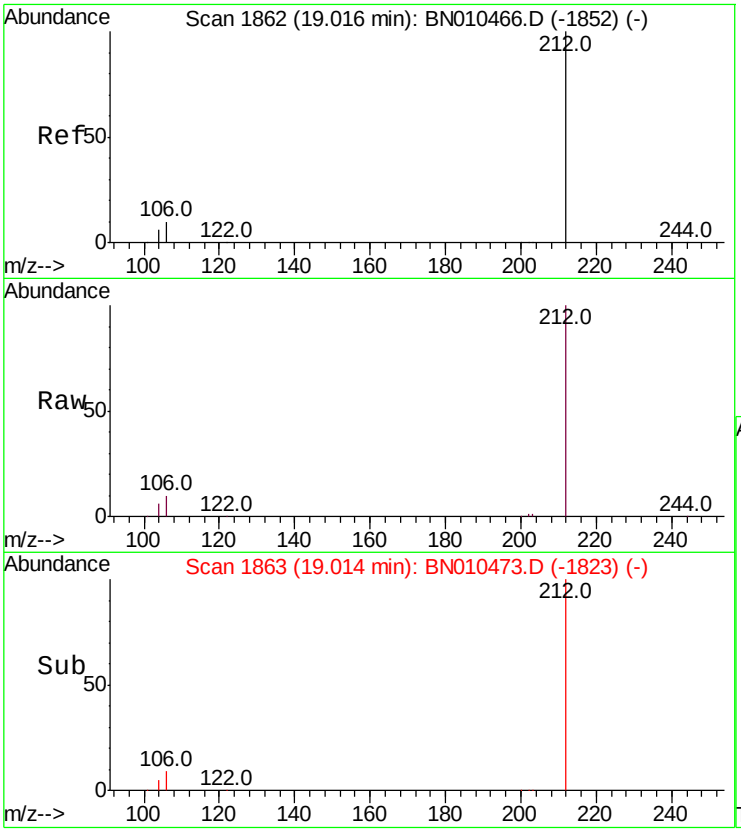


#24
Anthracene
Concen: 0.443 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:178 Resp: 26488

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.2	12.2	18.2



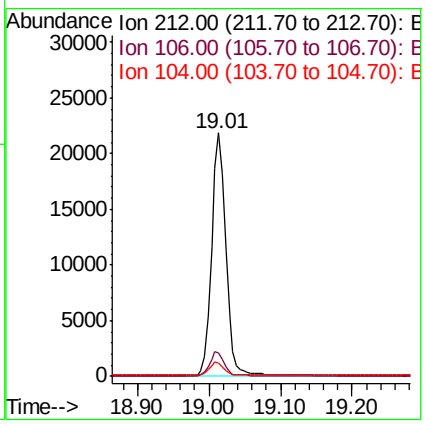


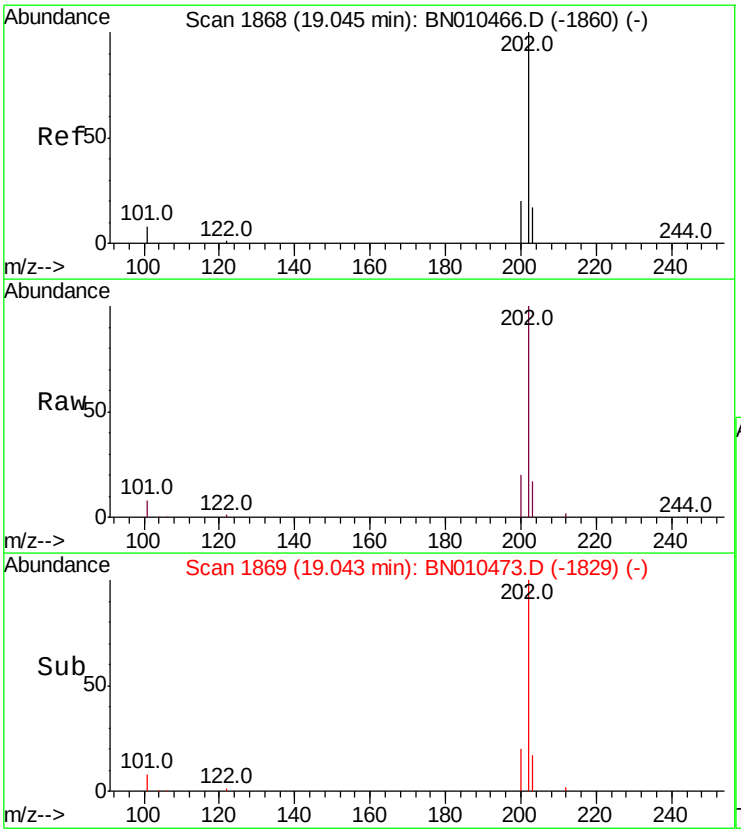
#25
Fluoranthene-d10
Concen: 0.408 ng
RT: 19.01 min Scan# 1863
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 30003

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

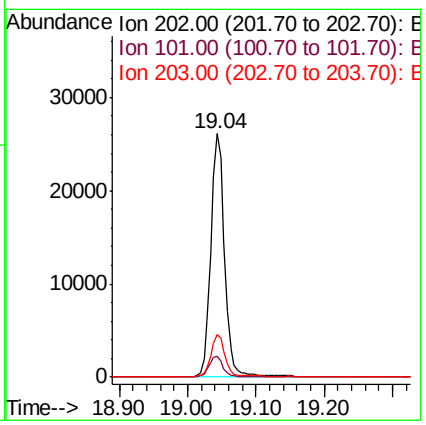


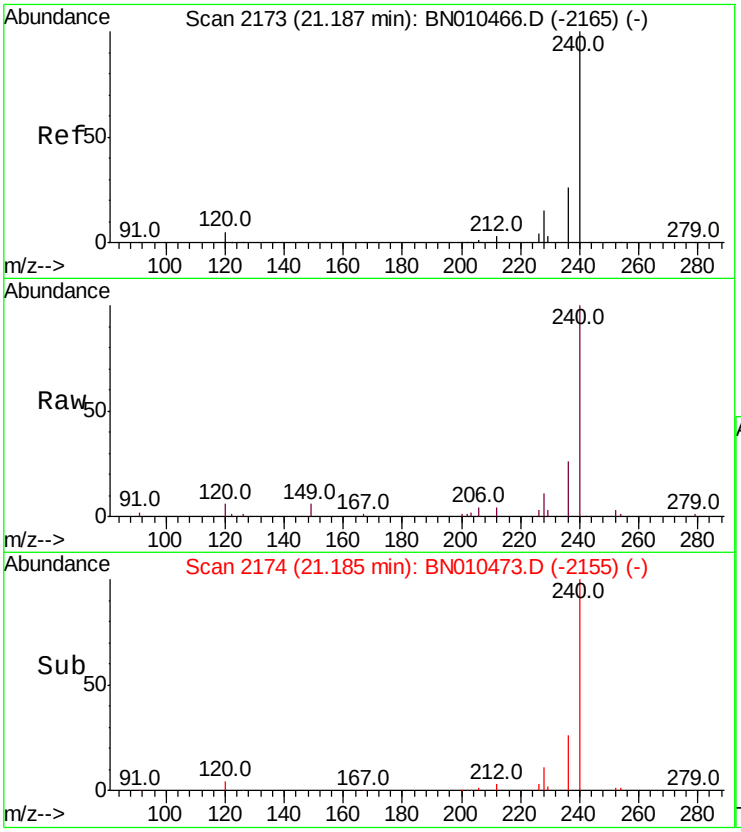


#26
Fluoranthene
Concen: 0.443 ng
RT: 19.04 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:202 Resp: 36117

Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.9	10.3
203	17.2	13.9	20.9



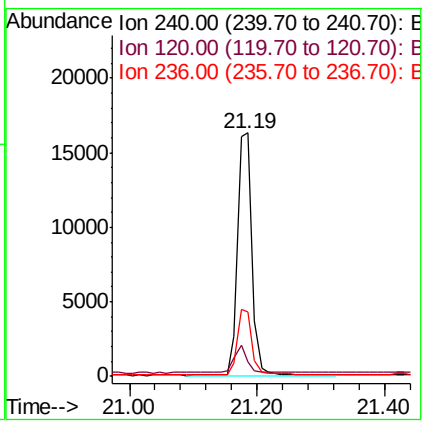


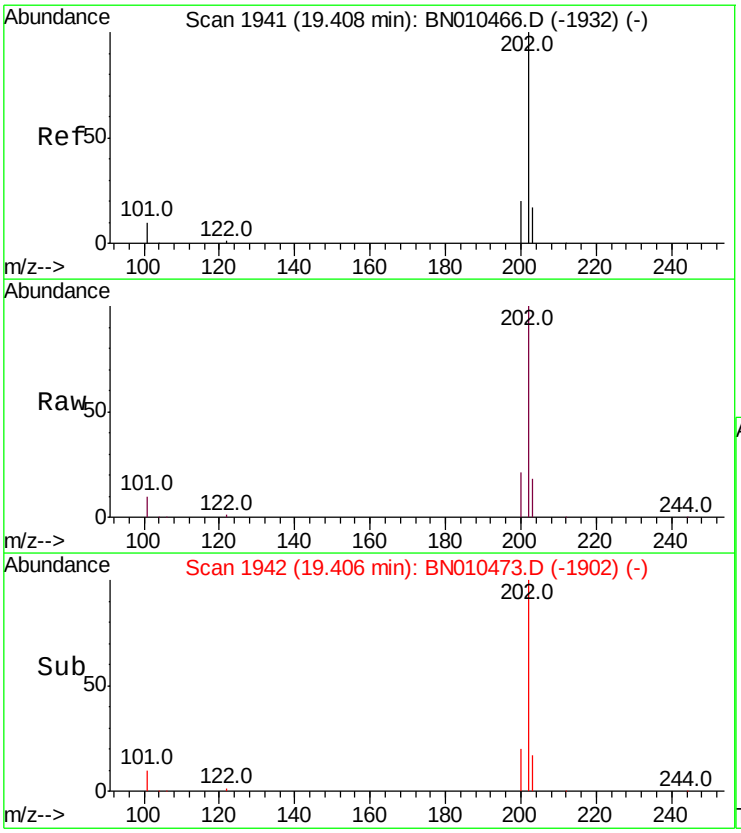
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 25485

Ion	Ratio	Lower	Upper
240	100		
120	5.8	4.8	7.2
236	26.3	21.4	32.0

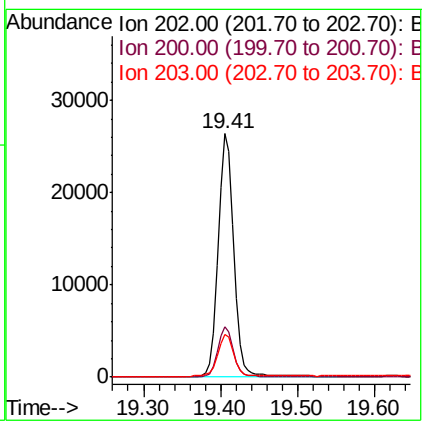


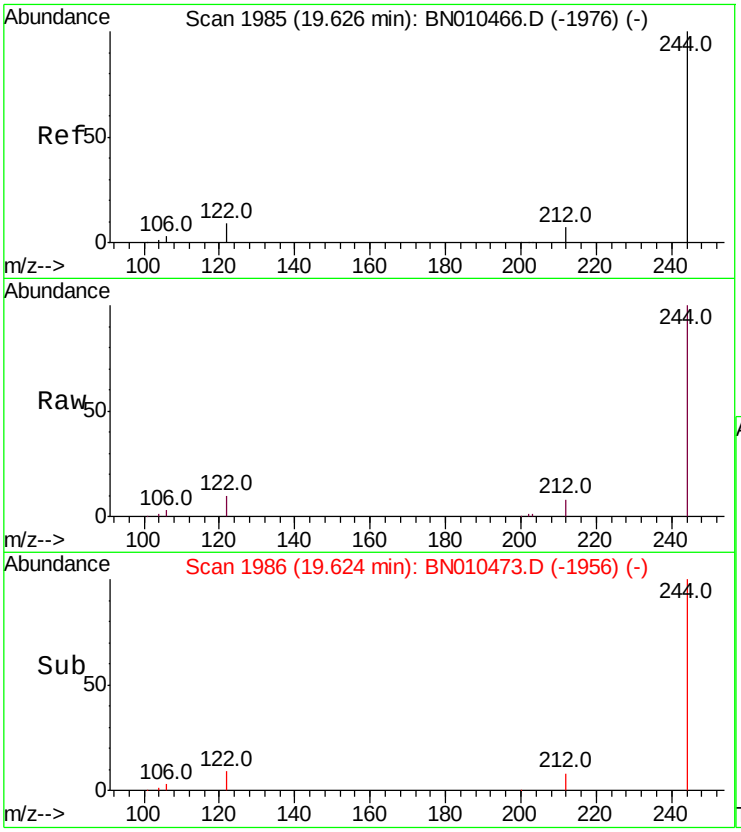


#28
Pyrene
Concen: 0.426 ng
RT: 19.41 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:202 Resp: 36541

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	17.7	14.0	21.0



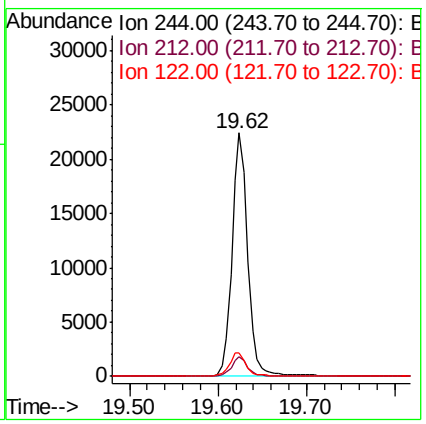


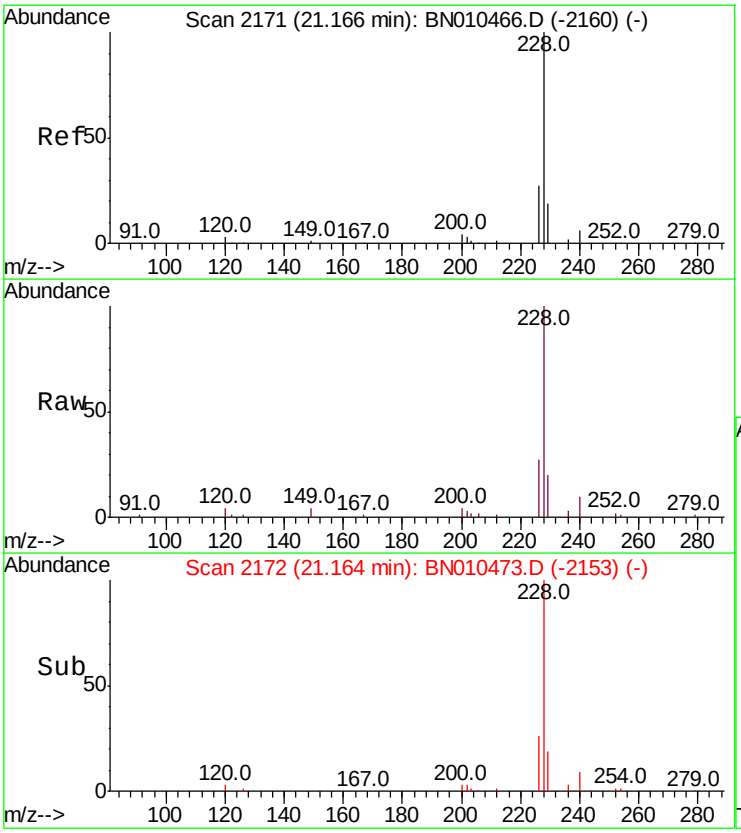
#29
Terphenyl-d14
Concen: 0.469 ng
RT: 19.62 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 27338

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.5	7.8	11.8

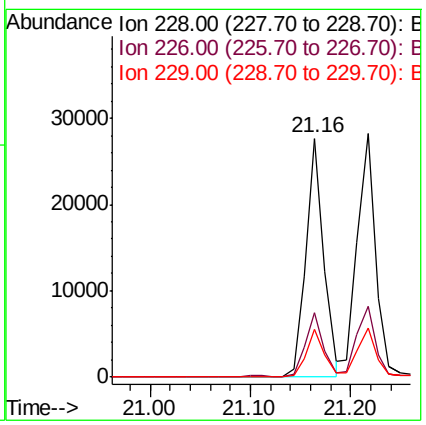


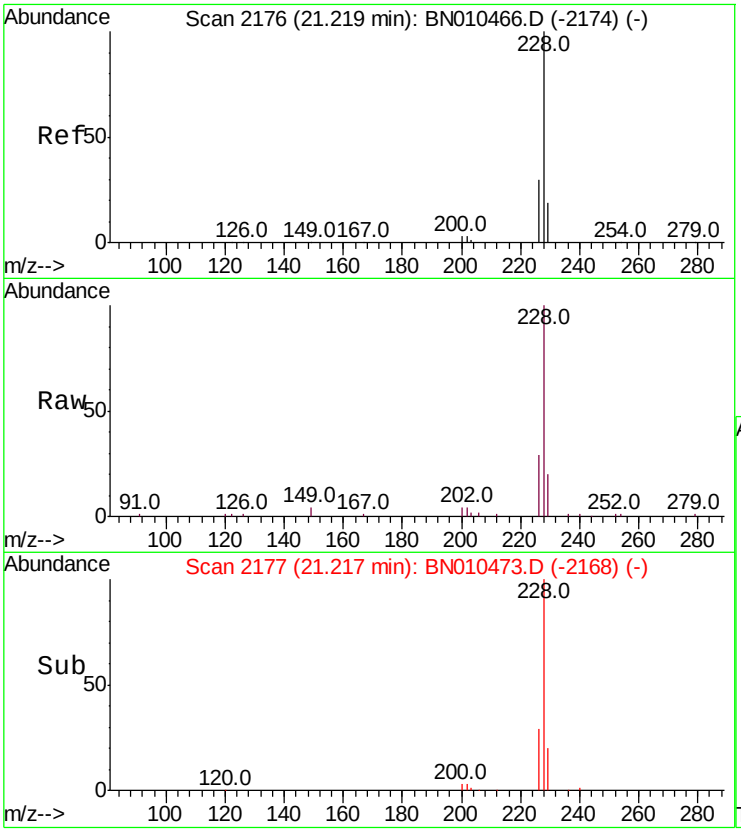


#30
Benzo(a)anthracene
Concen: 0.414 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:228 Resp: 34400

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.7	32.5
229	19.8	15.6	23.4



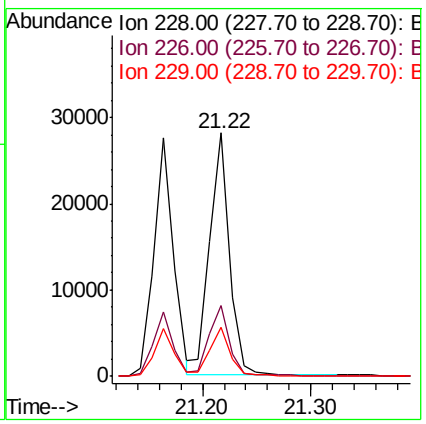


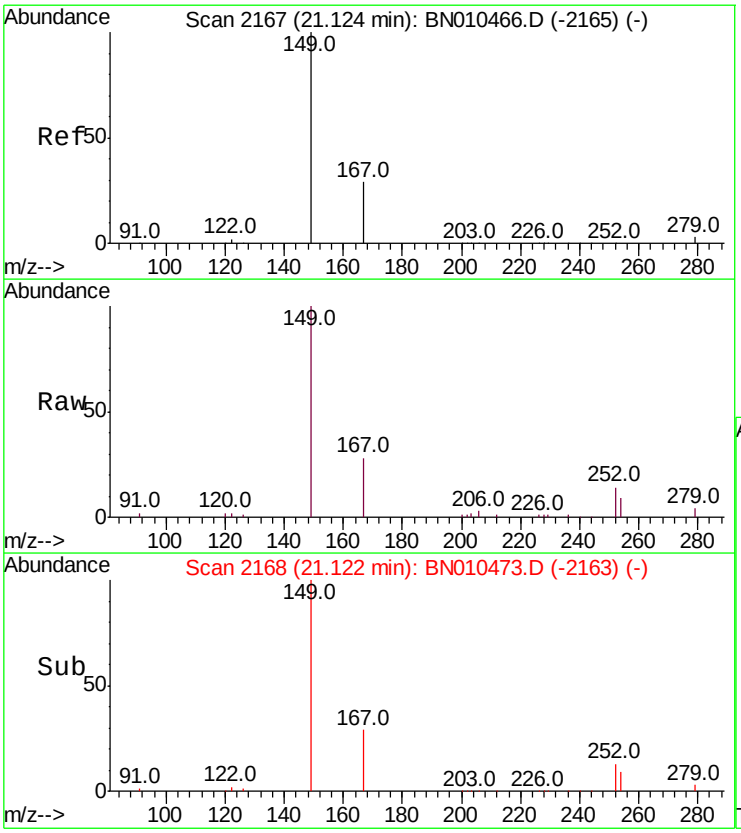
#31
Chrysene
Concen: 0.432 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 35790

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.0	36.0
229	20.1	15.8	23.6

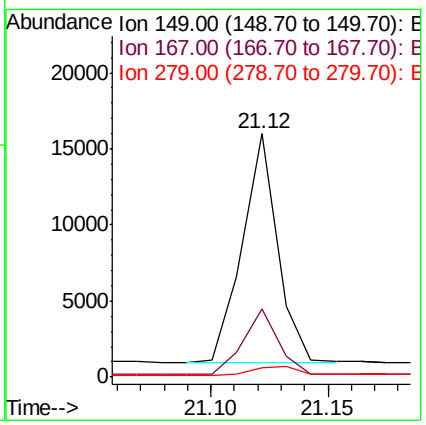


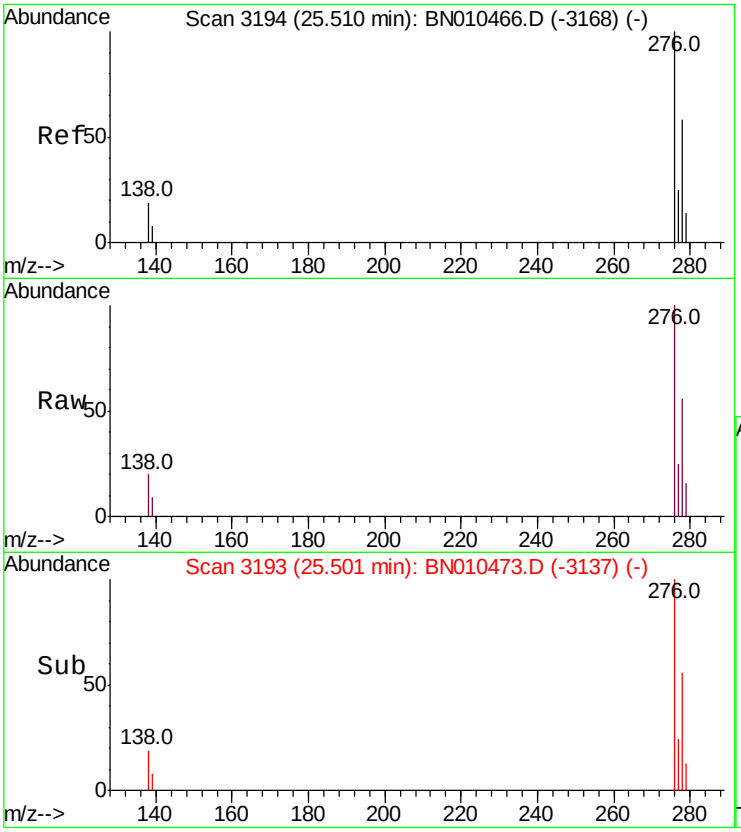


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.370 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:149 Resp: 15771

Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.4	35.0
279	4.7	4.0	6.0



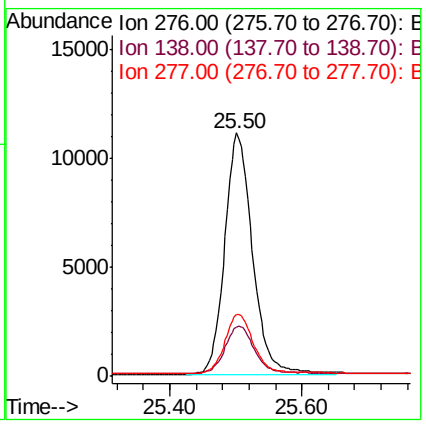


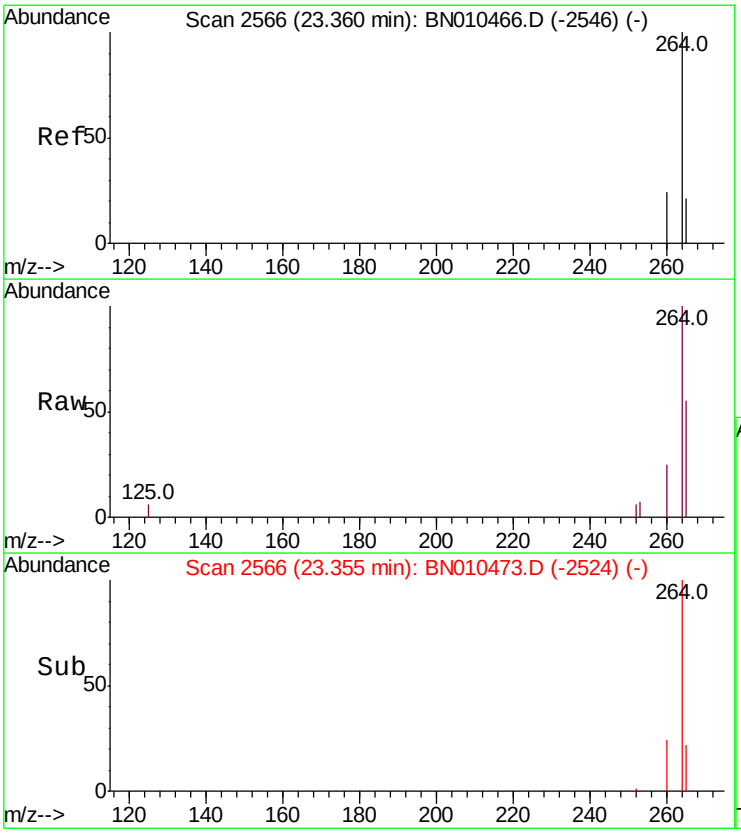
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.443 ng
RT: 25.50 min Scan# 3193
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 32440

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.4	24.6
277	25.1	19.8	29.6

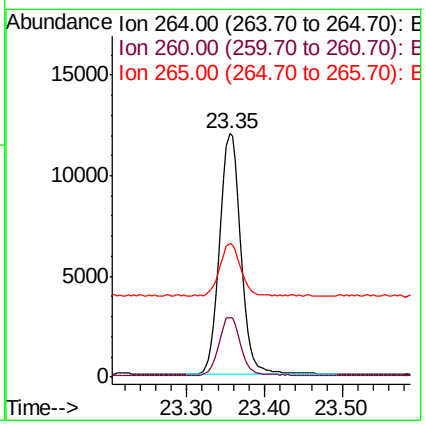


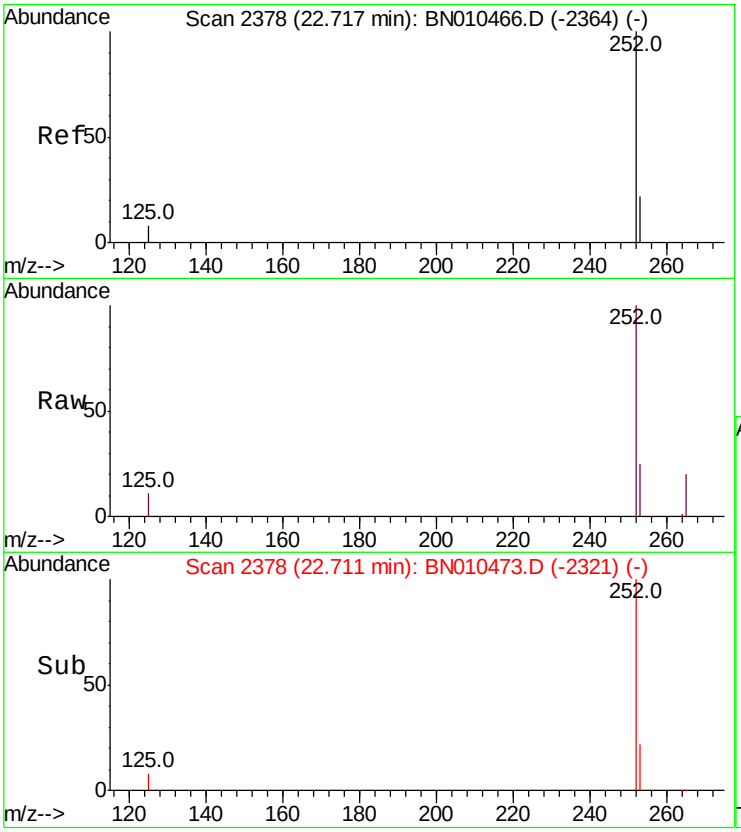


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:264 Resp: 22556

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	54.6	42.3	63.5



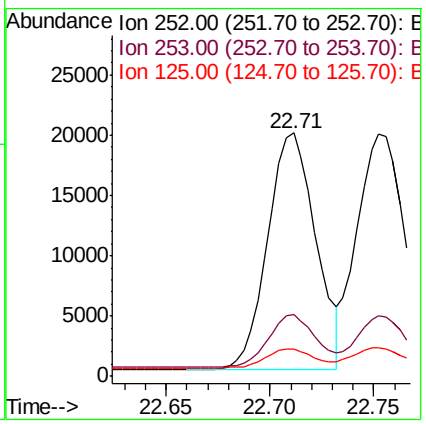


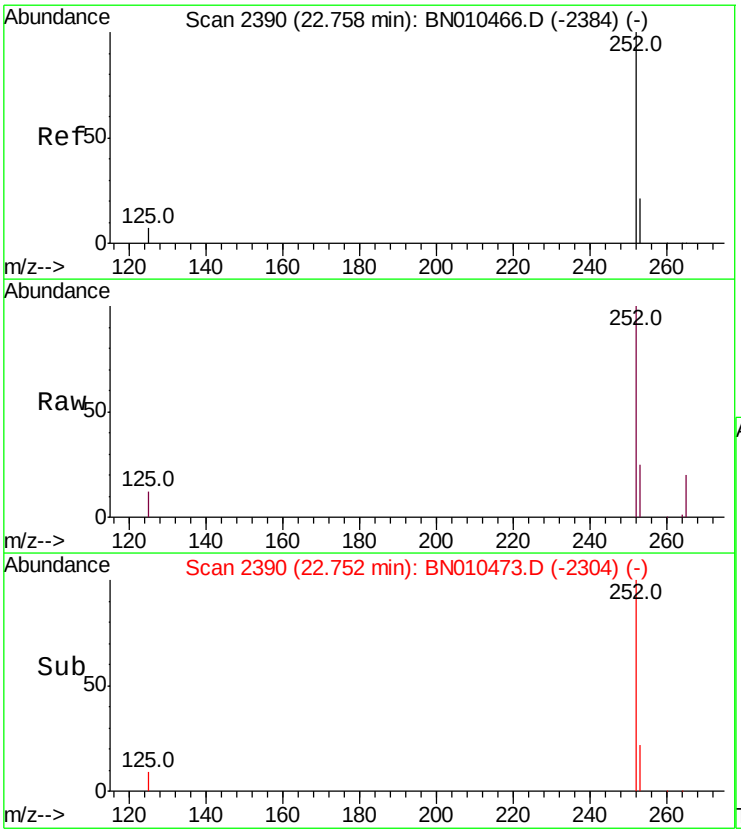
#35
Benzo(b)fluoranthene
Concen: 0.424 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 31512

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.2	30.4
125	11.0	9.2	13.8

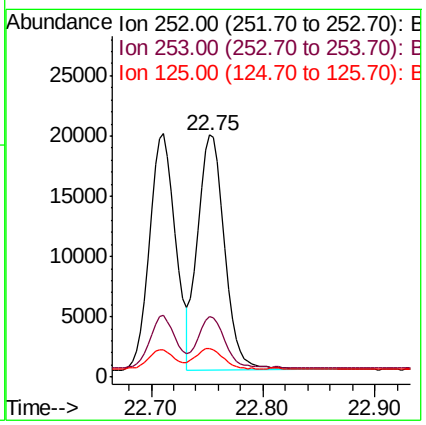


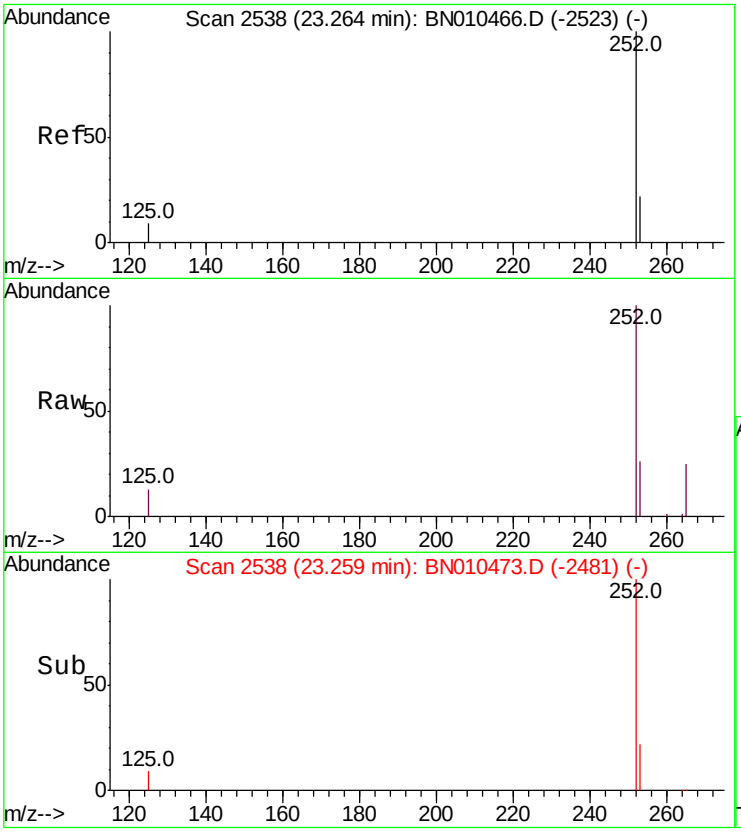


#36
Benzo(k)fluoranthene
Concen: 0.436 ng
RT: 22.75 min Scan# 2390
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:252 Resp: 32429

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.1	30.1
125	12.0	9.6	14.4



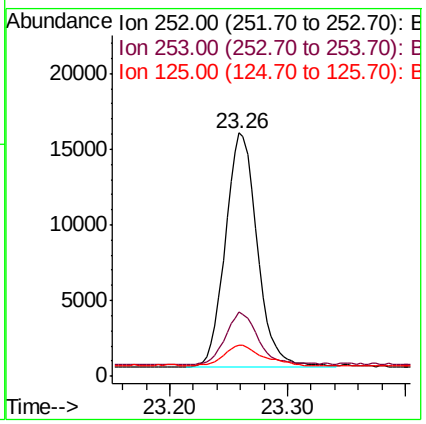


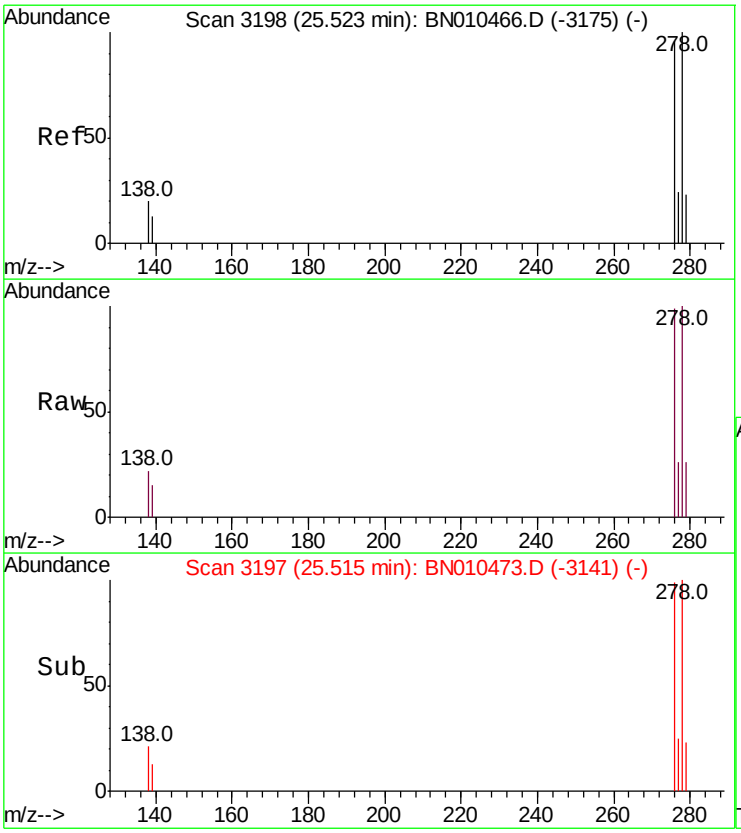
#37
Benzo(a)pyrene
Concen: 0.441 ng
RT: 23.26 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 29007

Ion	Ratio	Lower	Upper
252	100		
253	26.4	21.8	32.8
125	12.7	11.0	16.6

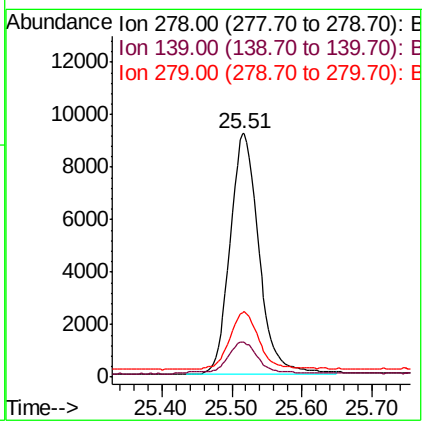


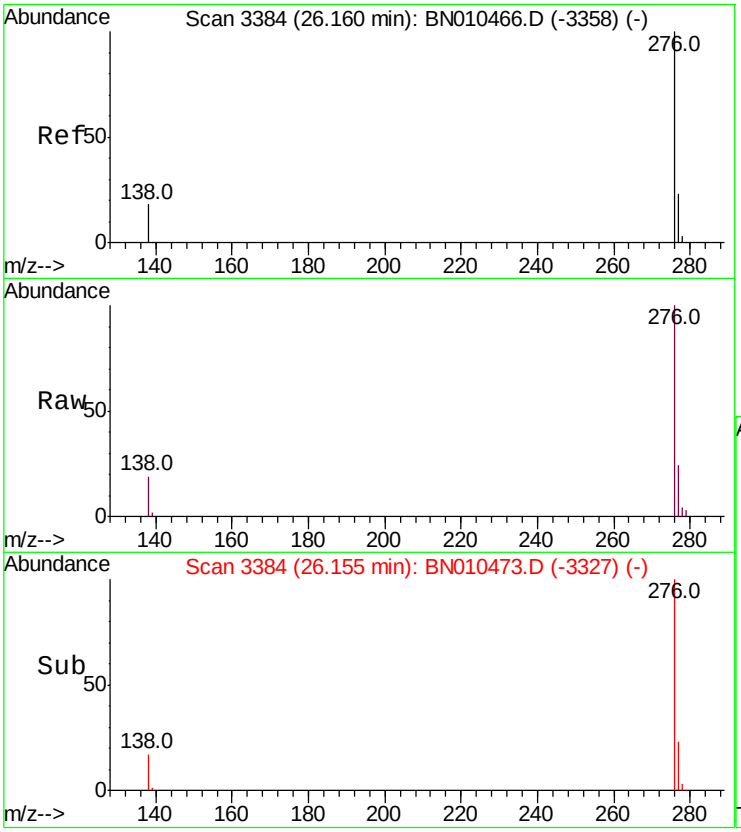


#38
Dibenzo(a,h)anthracene
Concen: 0.439 ng
RT: 25.51 min Scan# 3197
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Tgt Ion:278 Resp: 26366

Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.3	18.5
279	26.5	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.457 ng
RT: 26.15 min Scan# 3384
Delta R.T. -0.01 min
Lab File: BN010473.D
Acq: 14 Apr 2020 08:38

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 27658

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	18.6	15.4	23.2