Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
Data File : BN010575.D
Acq On : 21 Apr 2020 20:22
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Apr 21 20:53:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 21 13:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3220	0.40	ng		0.00
7) Naphthalene-d8	10.35	136	13635	0.40	ng		0.00
13) Acenaphthene-d10	14.21	164	8882	0.40	ng		0.00
19) Phenanthrene-d10	16.96	188	20601	0.40	ng		0.00
27) Chrysene-d12	21.17	240	19369	0.40	ng		0.00
34) Perylene-d12	23.35	264	17617	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	3036	0.43	ng		0.00
5) Phenol-d6	6.79	99	4008	0.43	ng		0.00
8) Nitrobenzene-d5	8.73	82	3824	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.95	152	10467	0.47	ng		0.00
14) 2,4,6-Tribromophenol	15.72	330	1635	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.84	172	12854	0.40	ng		0.00
25) Fluoranthene-d10	19.00	212	28132	0.45	ng		0.00
29) Terphenyl-d14	19.62	244	18965	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	925	0.390	ng		97
3) n-Nitrosodimethylamine	3.56	42	646	0.420	ng	#	90
6) bis(2-Chloroethyl)ether	7.03	93	3337	0.418	ng		97
9) Naphthalene	10.41	128	14007	0.414	ng		99
10) Hexachlorobutadiene	10.70	225	3345	0.410	ng	#	99
12) 2-Methylnaphthalene	12.02	142	10139	0.417	ng		98
16) Acenaphthylene	13.93	152	14829	0.387	ng		100
17) Acenaphthene	14.28	154	10167	0.412	ng		98
18) Fluorene	15.27	166	13123	0.406	ng		100
20) 4-Bromophenyl-phenylether	16.17	248	4265	0.373	ng	#	82
21) Hexachlorobenzene	16.28	284	5466	0.418	ng		100
22) Pentachlorophenol	16.63	266	1568	0.305	ng		99
23) Phenanthrene	17.01	178	22369	0.402	ng		100
24) Anthracene	17.10	178	19656	0.386	ng		100
26) Fluoranthene	19.03	202	27738	0.401	ng		99
28) Pyrene	19.40	202	28110	0.431	ng		100
30) Benzo(a)anthracene	21.15	228	24530	0.388	ng		99
31) Chrysene	21.21	228	25060	0.398	ng		99
32) Bis(2-ethylhexyl)phthalate	21.11	149	13479	0.416	ng		98
33) Indeno(1,2,3-cd)pyrene	25.49	276	24607	0.442	ng		100
35) Benzo(b)fluoranthene	22.70	252	23156	0.399	ng		97
36) Benzo(k)fluoranthene	22.75	252	22729	0.391	ng		97
37) Benzo(a)pyrene	23.25	252	20285	0.395	ng		97
38) Dibenzo(a,h)anthracene	25.50	278	19934	0.425	ng		98
39) Benzo(g,h,i)perylene	26.14	276	20279	0.429	ng		98

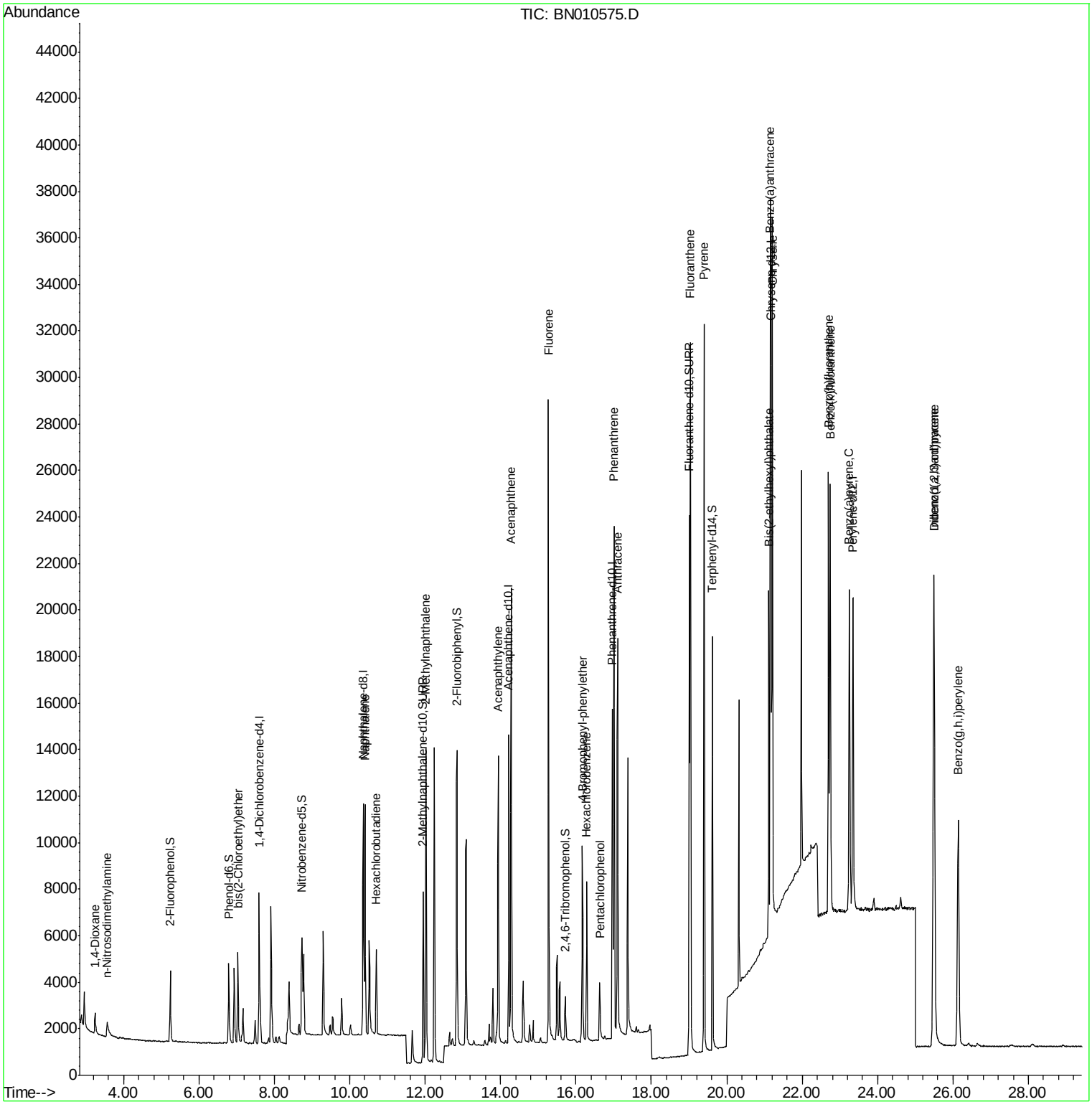
(#) = qualifier out of range (m) = manual integration (+) = signals summed

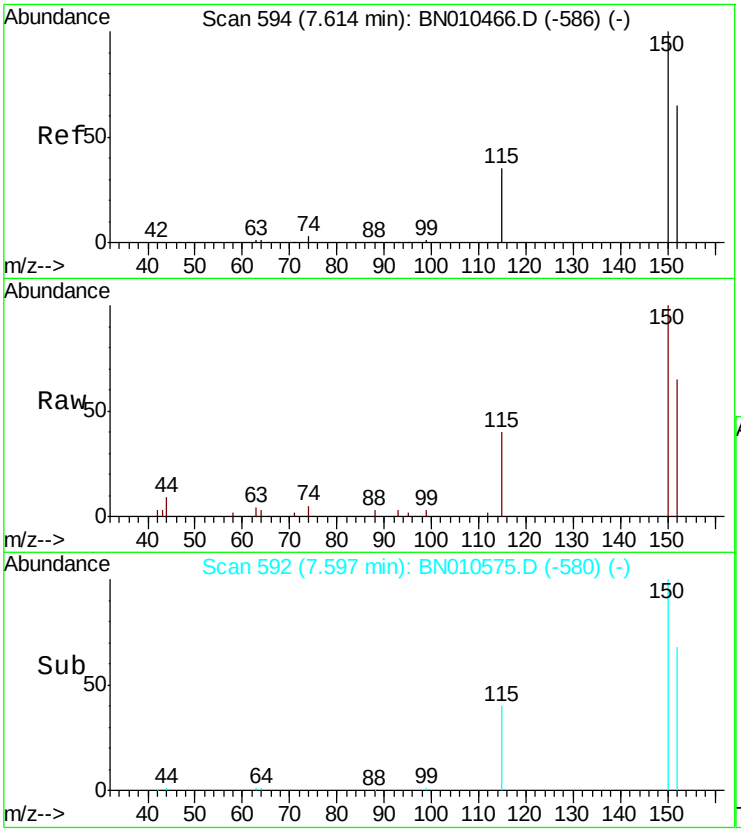
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
Data File : BN010575.D
Acq On : 21 Apr 2020 20:22
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Apr 21 20:53:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 21 13:19:17 2020
Response via : Initial Calibration



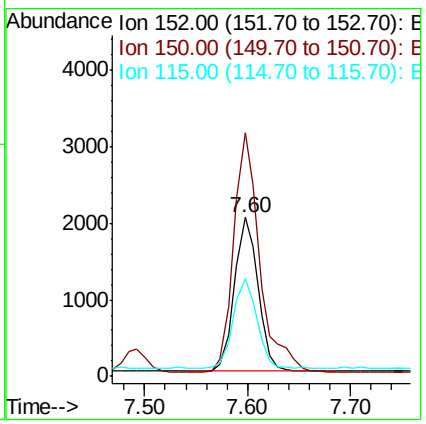


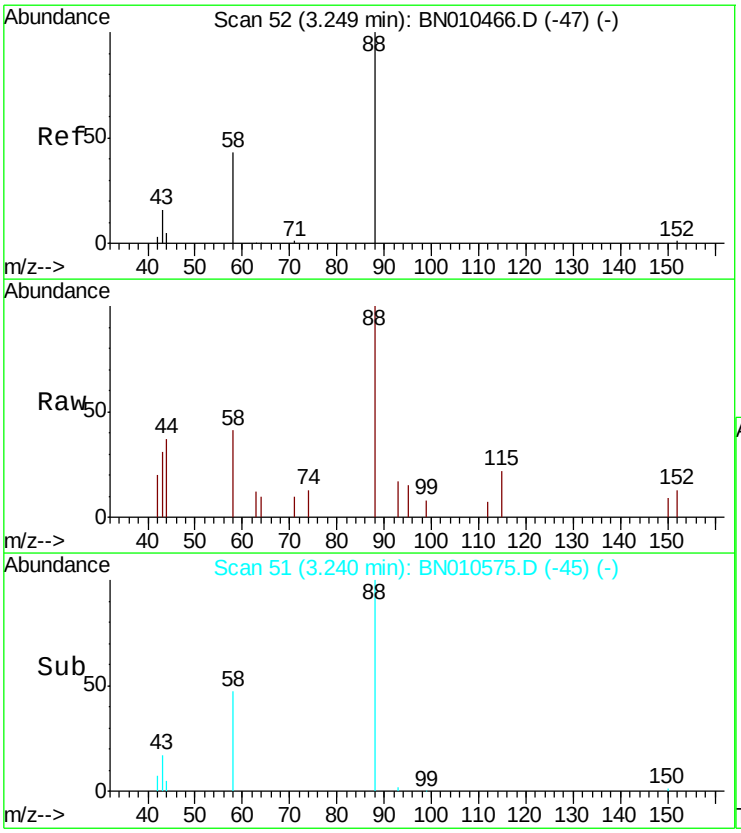
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 592
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3220

Ion	Ratio	Lower	Upper
152	100		
150	153.5	121.8	182.6
115	61.4	45.5	68.3

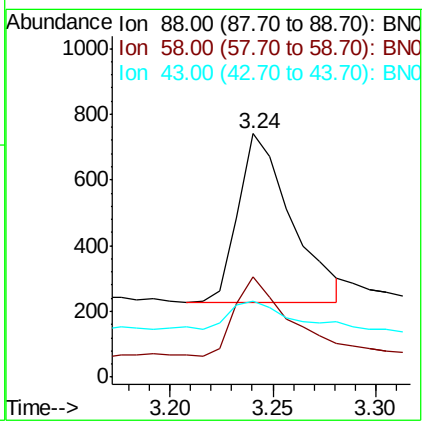


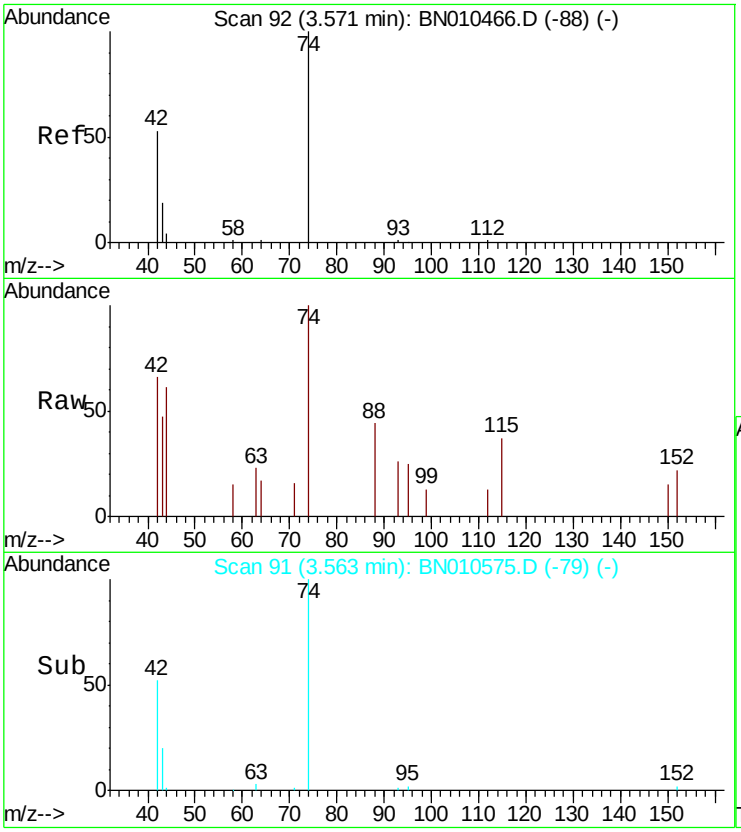


#2
1,4-Dioxane
Concen: 0.390 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion: 88 Resp: 925

Ion	Ratio	Lower	Upper
88	100		
58	47.7	36.5	54.7
43	16.1	13.2	19.8



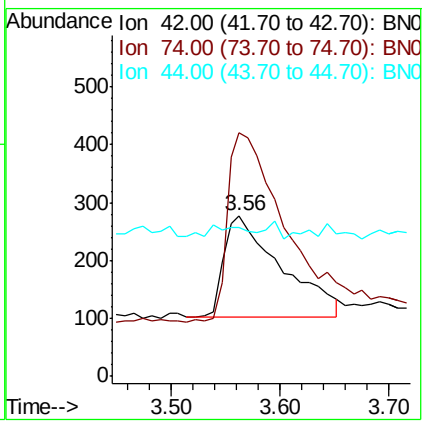


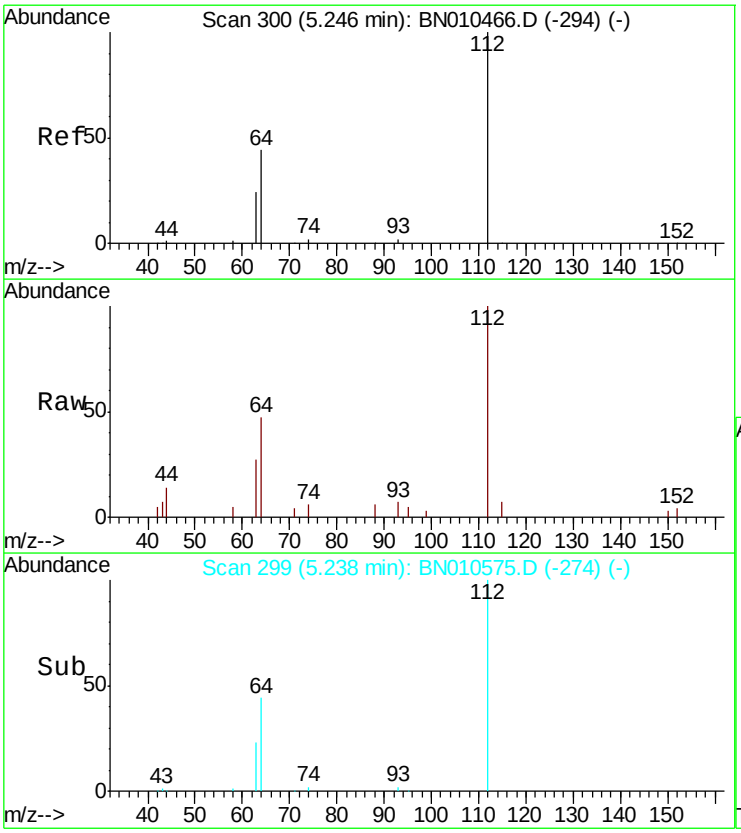
#3
n-Nitrosodimethylamine
Concen: 0.420 ng
RT: 3.56 min Scan# 91
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 646

Ion	Ratio	Lower	Upper
42	100		
74	186.8	162.2	243.4
44	0.0	2.4	3.6#

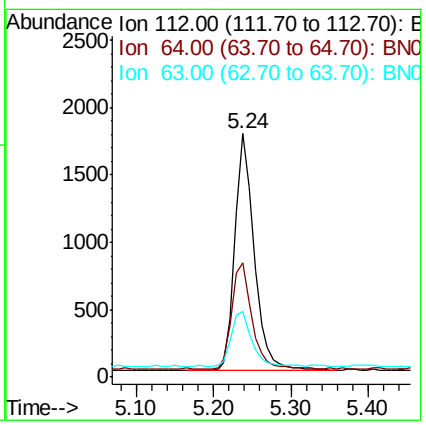


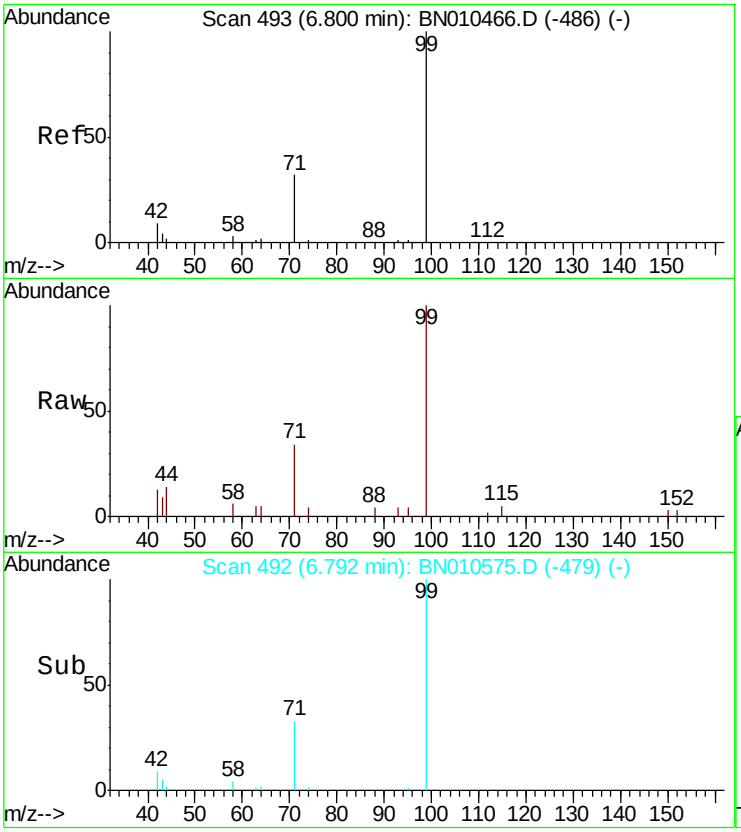


#4
2-Fluorophenol
Concen: 0.431 ng
RT: 5.24 min Scan# 299
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:112 Resp: 3036

Ion	Ratio	Lower	Upper
112	100		
64	45.3	35.8	53.8
63	24.0	19.9	29.9



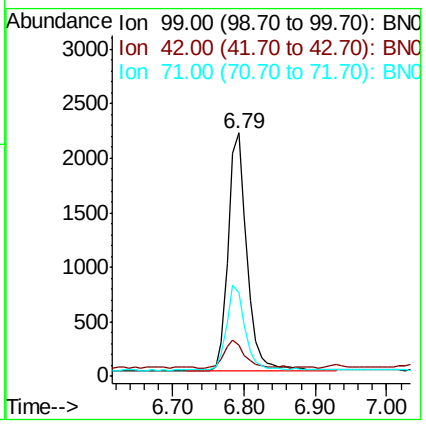


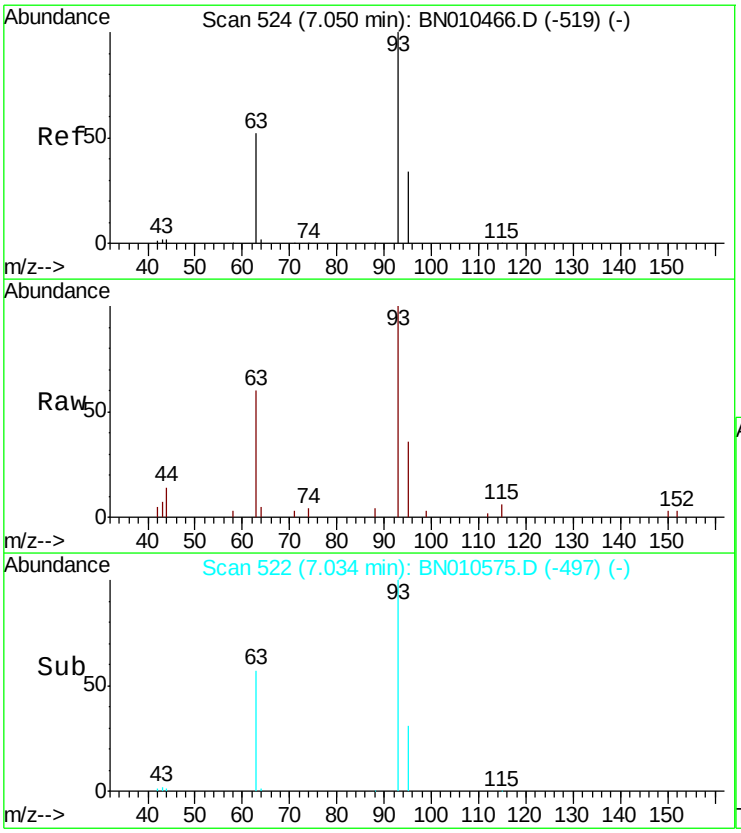
#5
Phenol-d6
Concen: 0.435 ng
RT: 6.79 min Scan# 492
Delta R.T. 0.01 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 4008

Ion	Ratio	Lower	Upper
99	100		
42	12.3	9.8	14.6
71	35.3	27.8	41.8

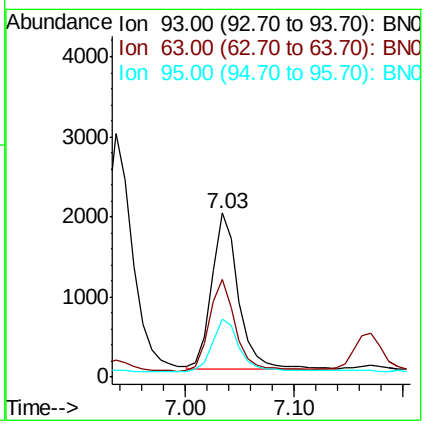


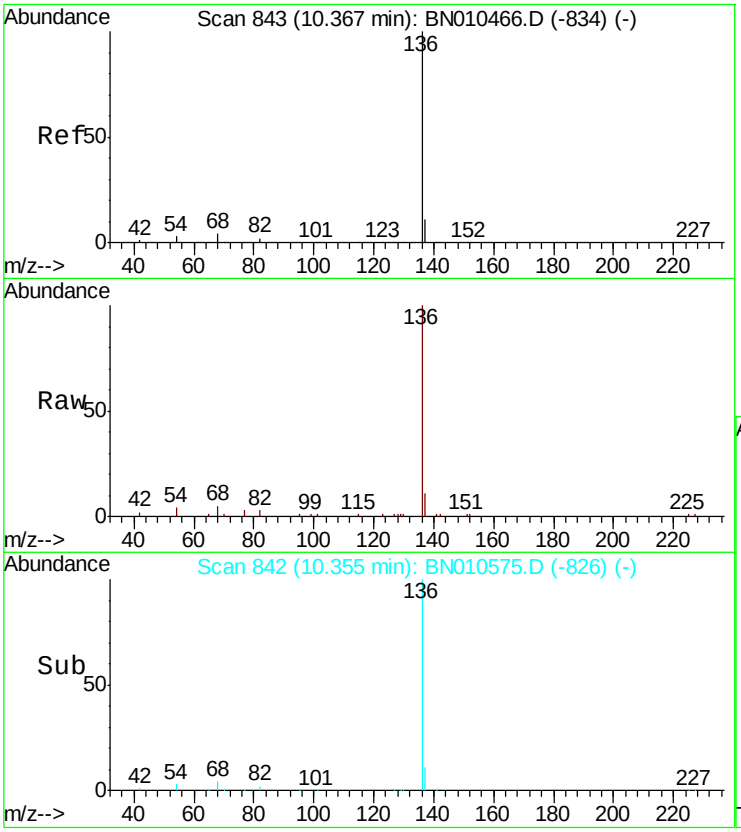


#6
bis(2-Chloroethyl)ether
Concen: 0.418 ng
RT: 7.03 min Scan# 522
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion: 93 Resp: 3337

Ion	Ratio	Lower	Upper
93	100		
63	58.5	44.6	66.8
95	33.9	26.5	39.7



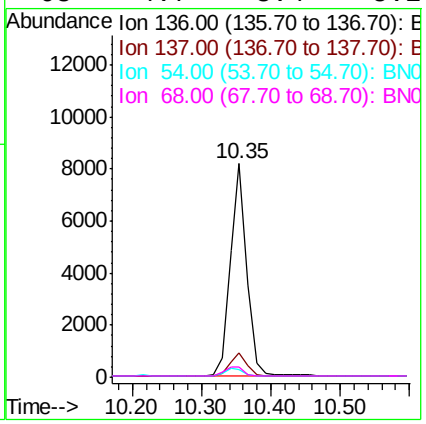


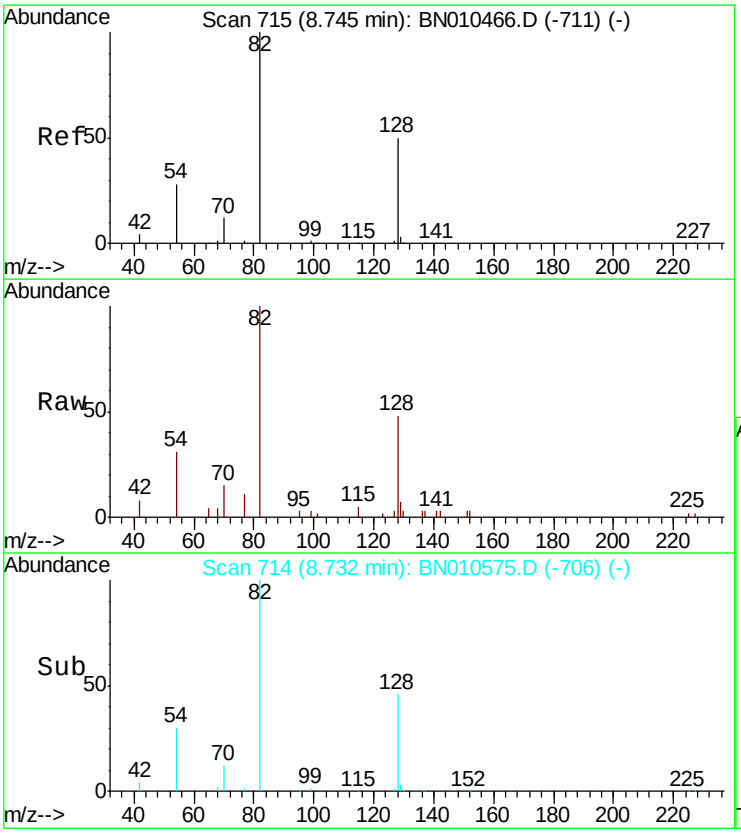
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.35 min Scan# 842
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 13635

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	3.6	2.6	4.0
68	4.7	3.4	5.2

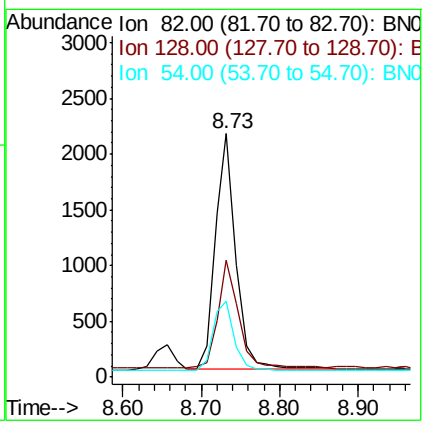


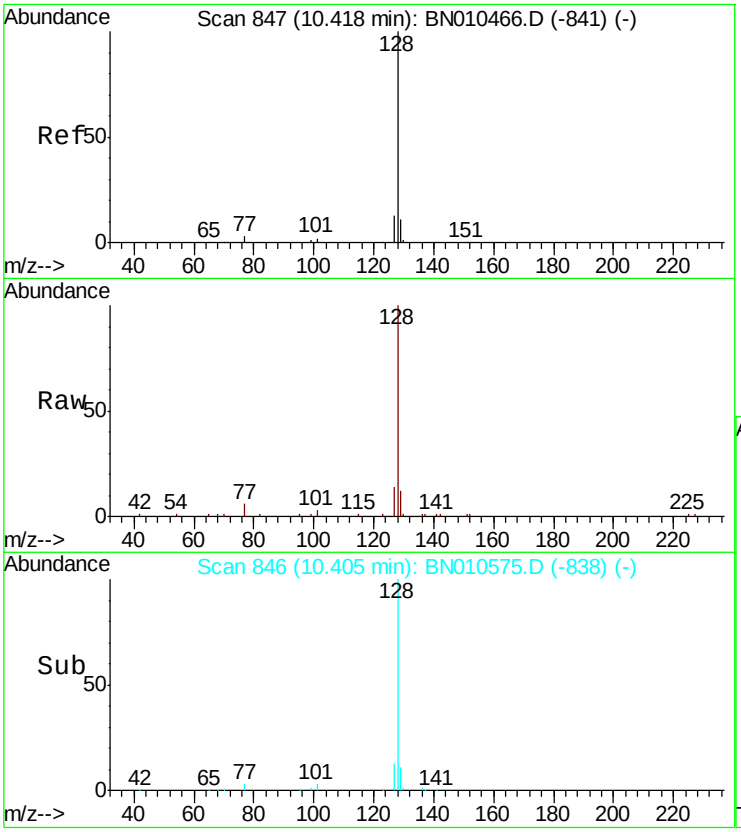


#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 8.73 min Scan# 714
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion: 82 Resp: 3824

Ion	Ratio	Lower	Upper
82	100		
128	47.8	41.3	61.9
54	31.0	23.4	35.0



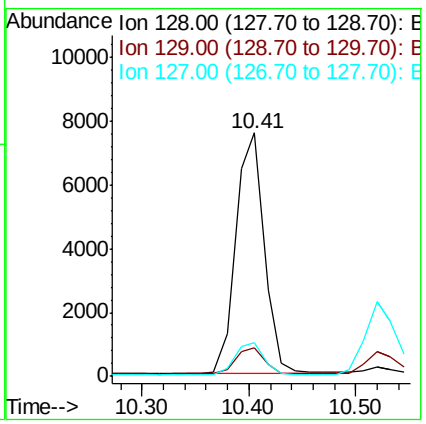


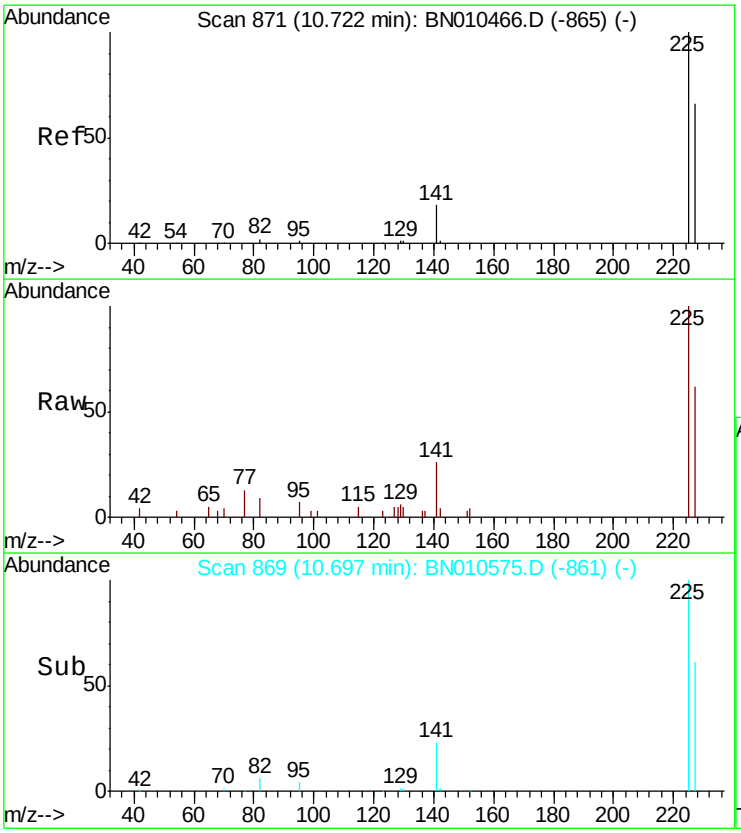
#9
Naphthalene
Concen: 0.414 ng
RT: 10.41 min Scan# 846
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 14007

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.7	10.5	15.7

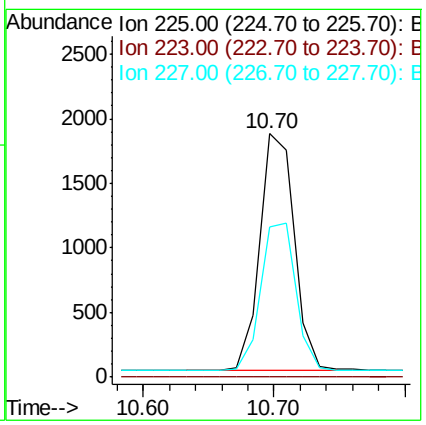


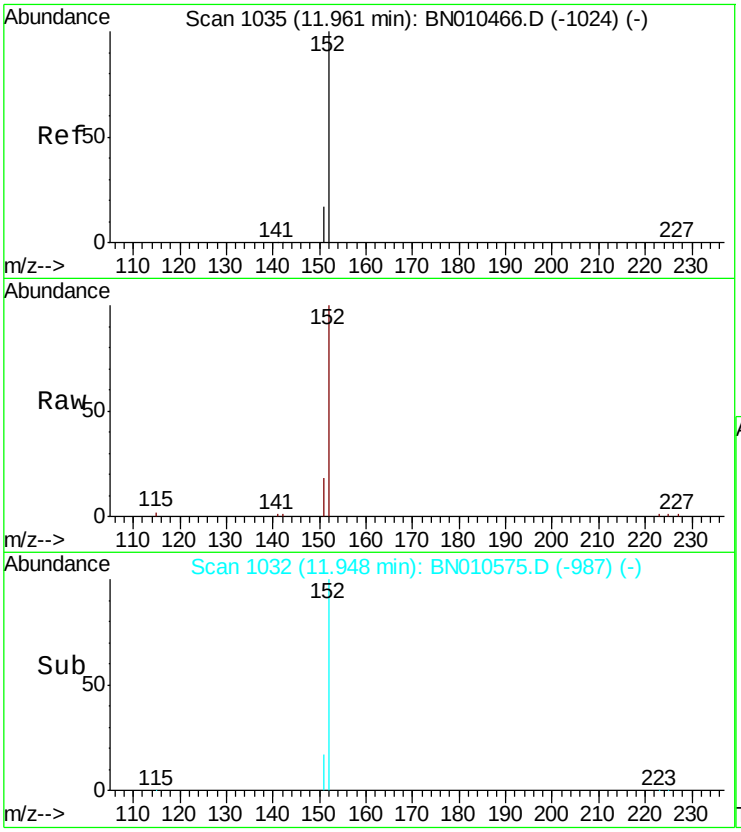


#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 10.70 min Scan# 869
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:225 Resp: 3345

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.6	76.0



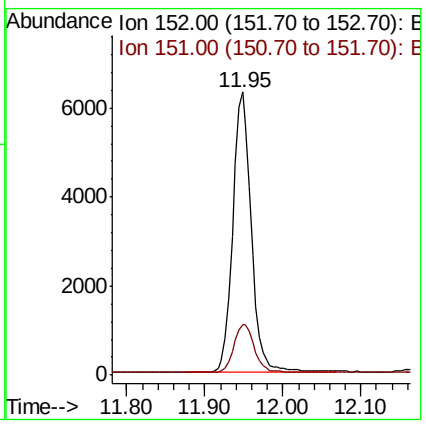


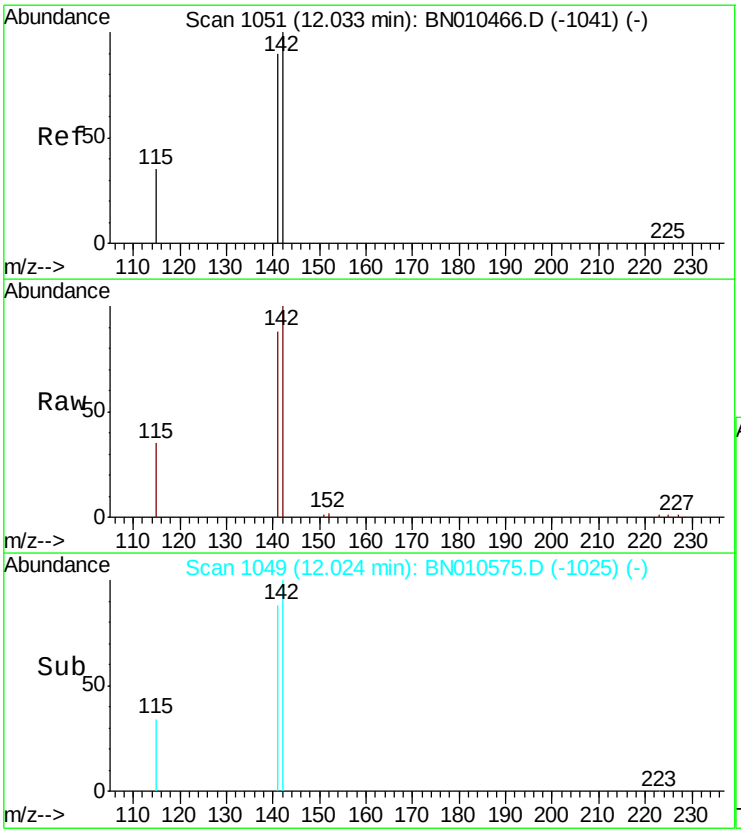
#11
2-Methylnaphthalene-d10
Concen: 0.467 ng
RT: 11.95 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 10467

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

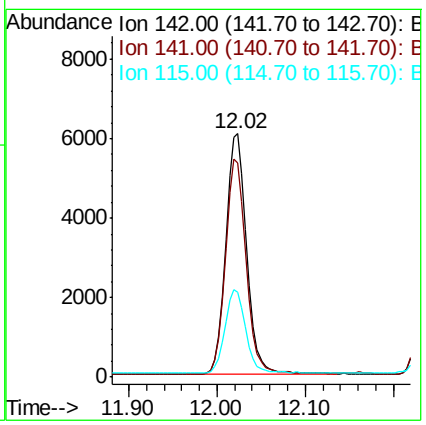


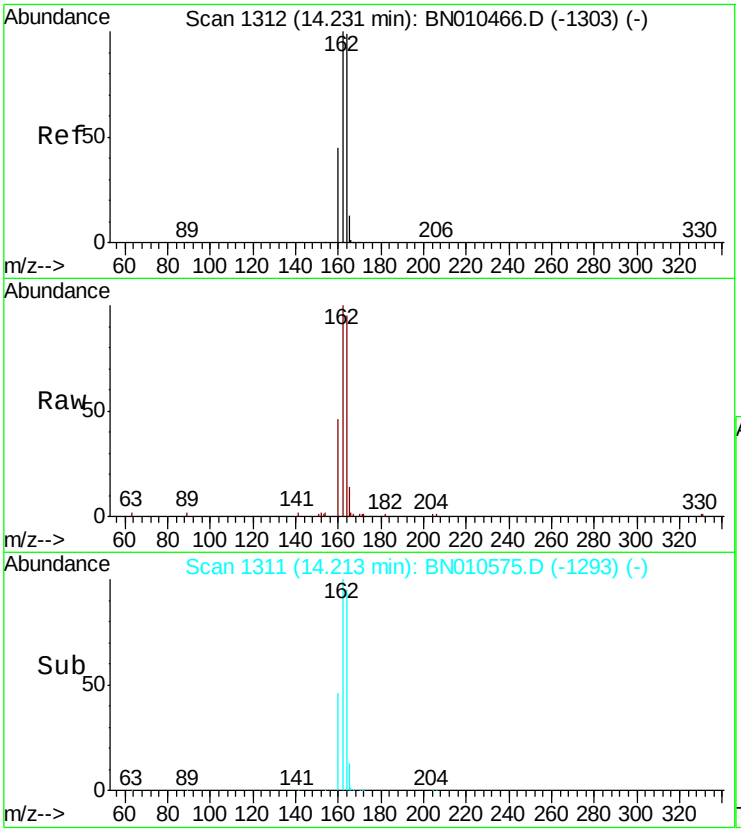


#12
2-Methylnaphthalene
Concen: 0.417 ng
RT: 12.02 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:142 Resp: 10139

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.9	107.9
115	35.0	28.8	43.2



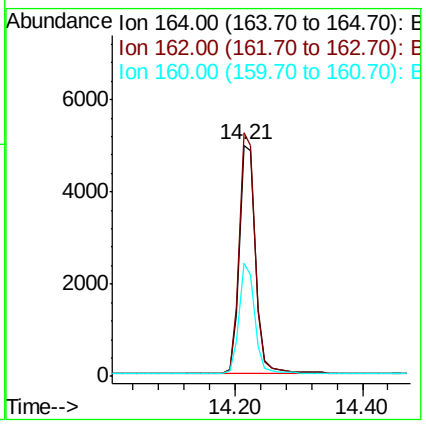


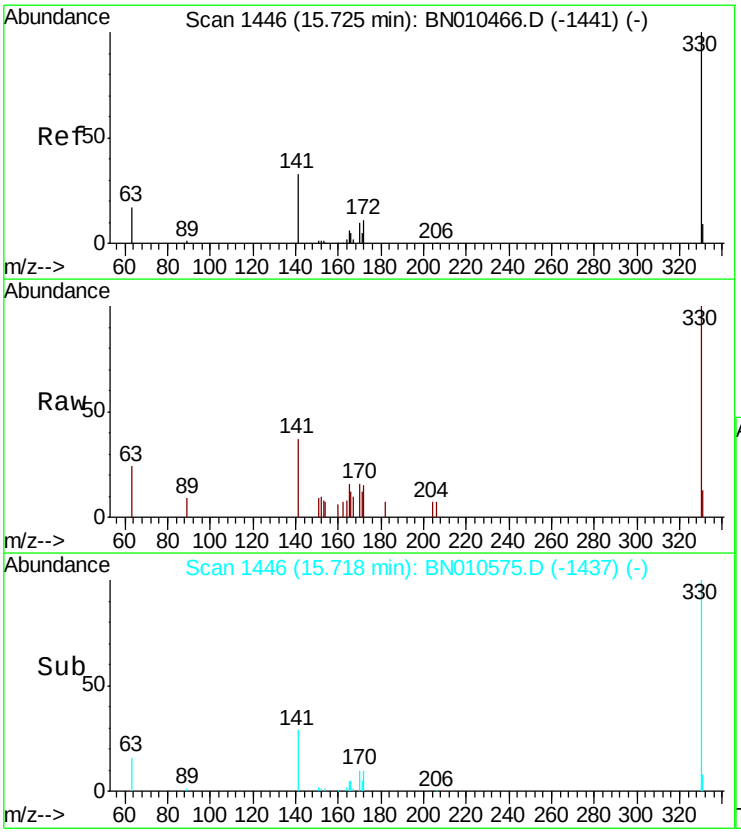
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 8882

Ion	Ratio	Lower	Upper
164	100		
162	105.5	80.6	121.0
160	49.0	36.5	54.7

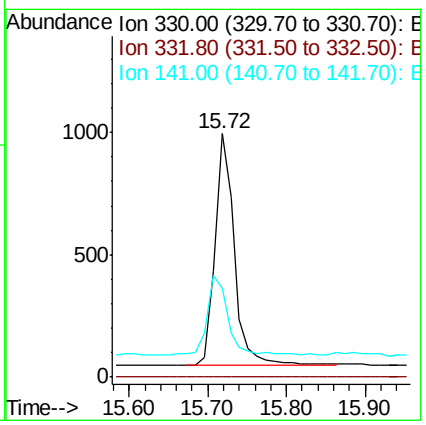


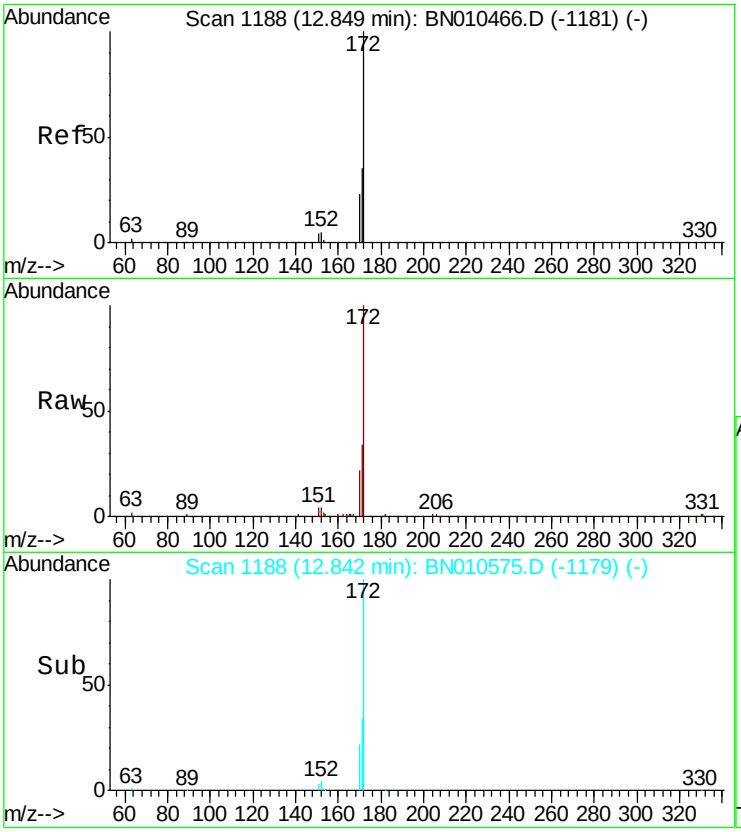


#14
2,4,6-Tribromophenol
Concen: 0.391 ng
RT: 15.72 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:330 Resp: 1635

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.0	28.1	42.1



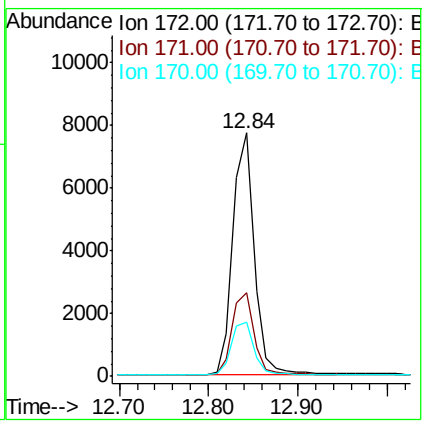


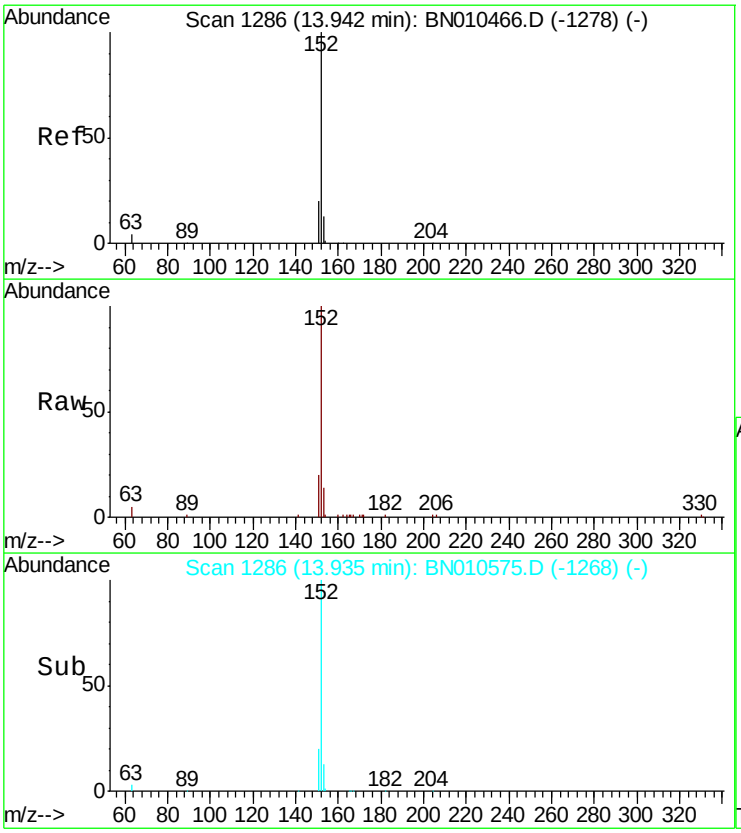
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.84 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 12854

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	22.1	18.4	27.6

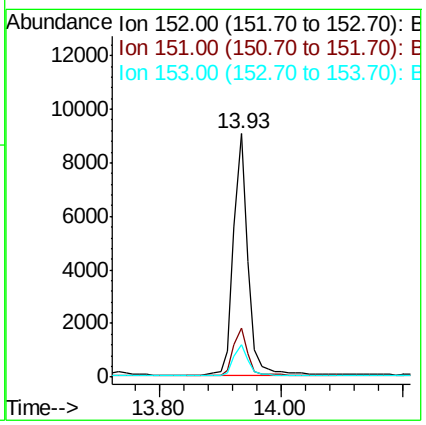


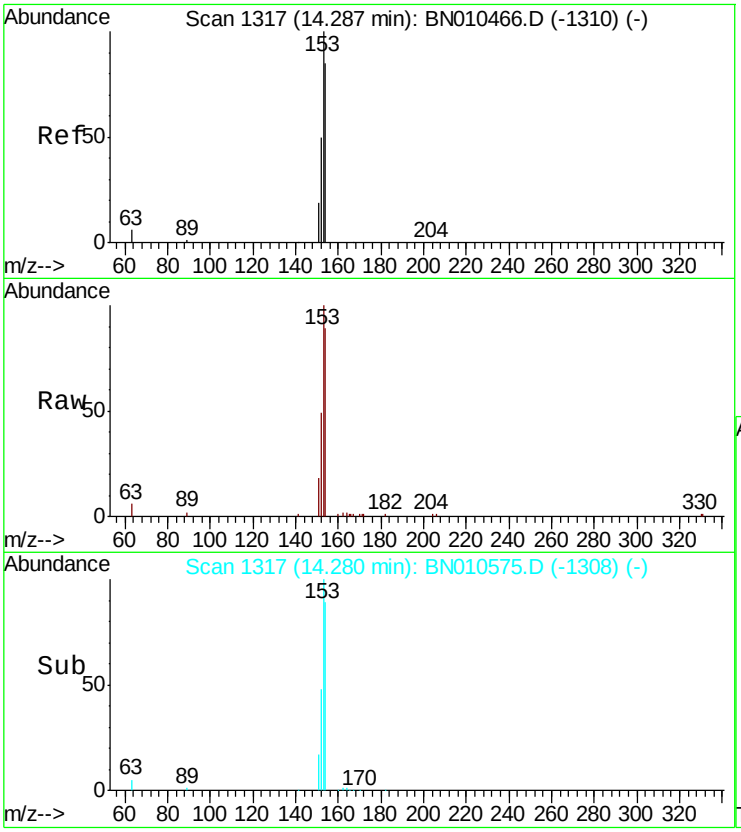


#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.93 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:152 Resp: 14829

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.1	10.6	15.8



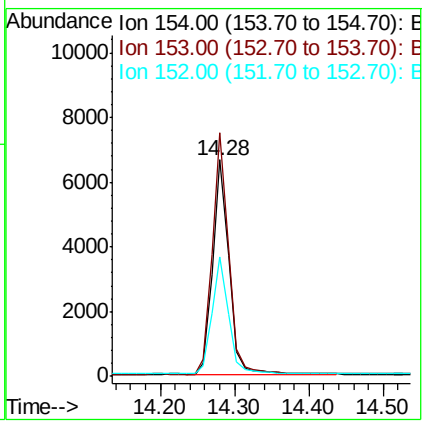


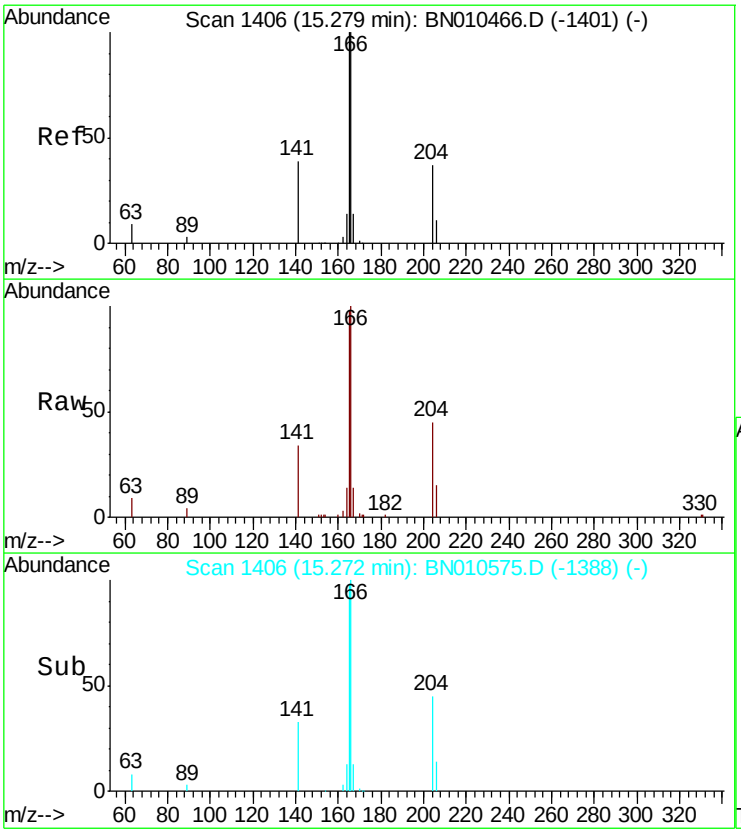
#17
Acenaphthene
Concen: 0.412 ng
RT: 14.28 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 10167

Ion	Ratio	Lower	Upper
154	100		
153	112.1	91.0	136.4
152	54.2	44.6	67.0

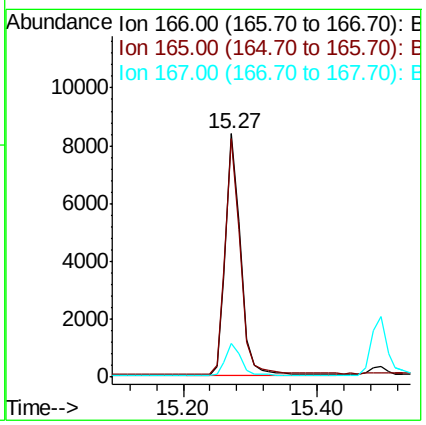


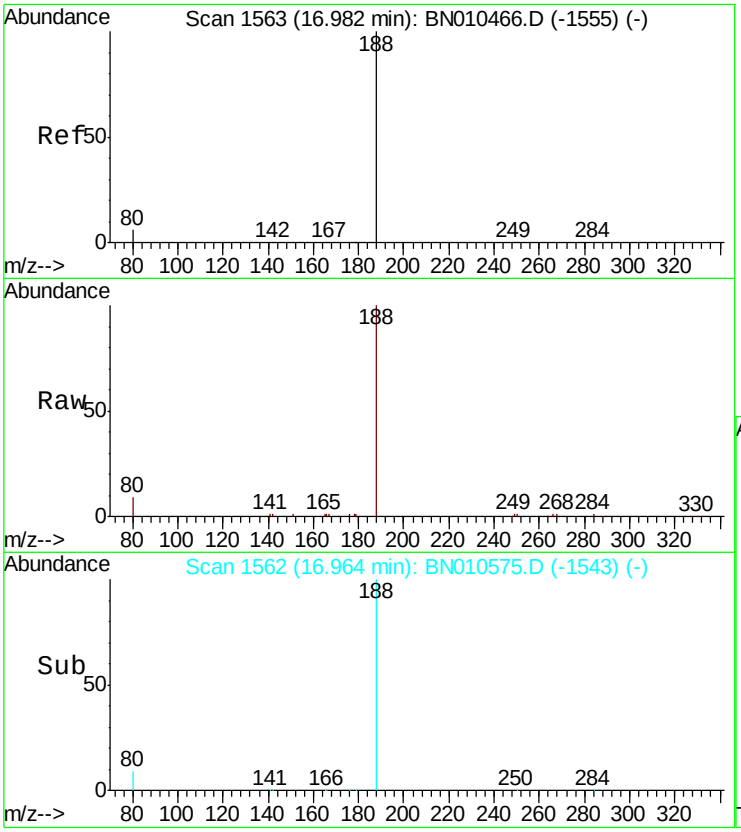


#18
Fluorene
Concen: 0.406 ng
RT: 15.27 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:166 Resp: 13123

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.4	117.6
167	13.4	10.9	16.3



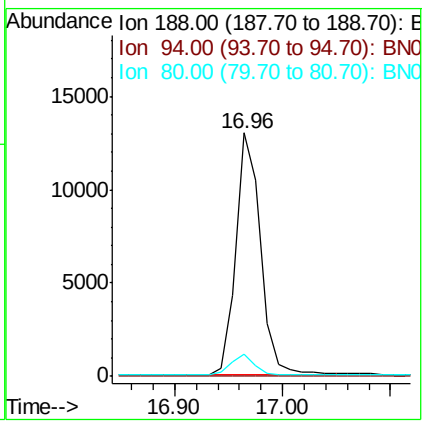


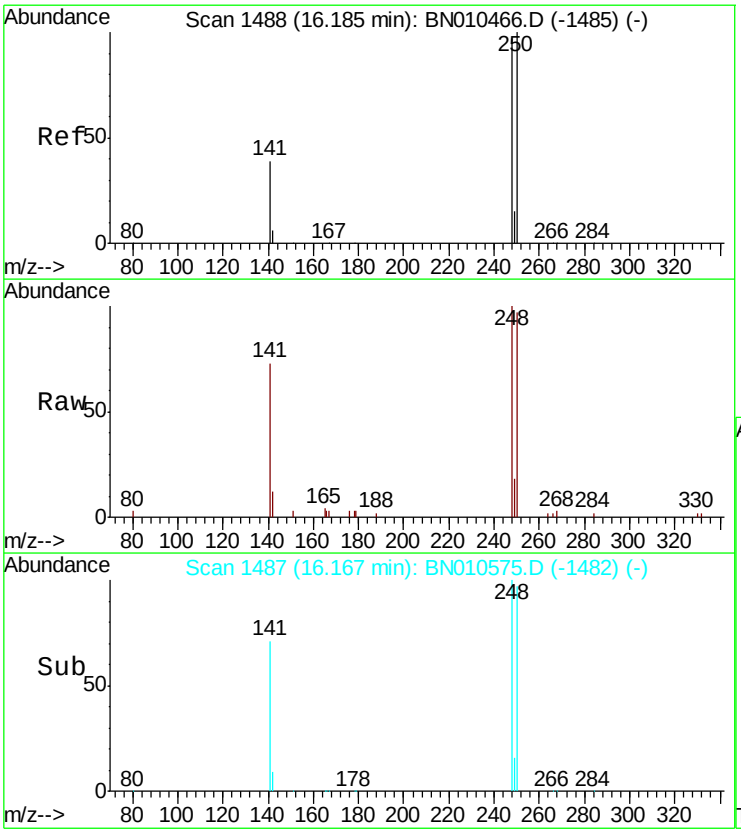
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 20601

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	5.0	7.6#

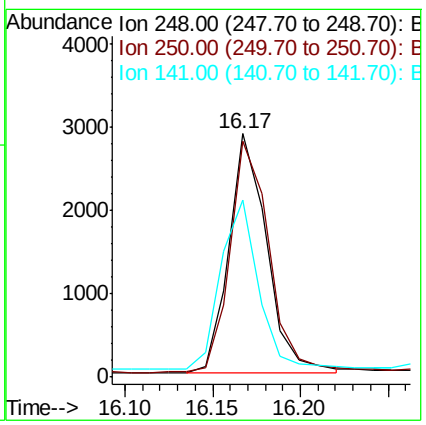


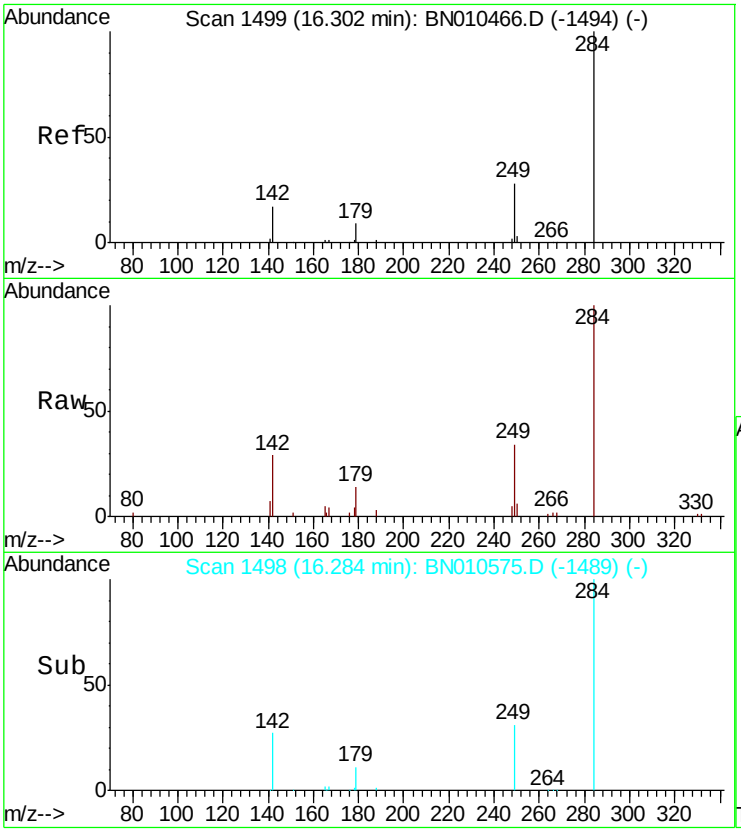


#20
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 16.17 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:248 Resp: 4265

Ion	Ratio	Lower	Upper
248	100		
250	96.8	82.3	123.5
141	72.8	35.2	52.8#



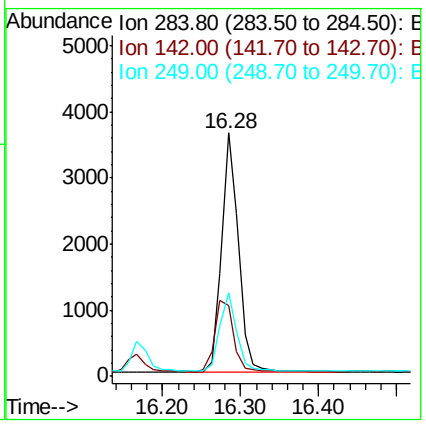


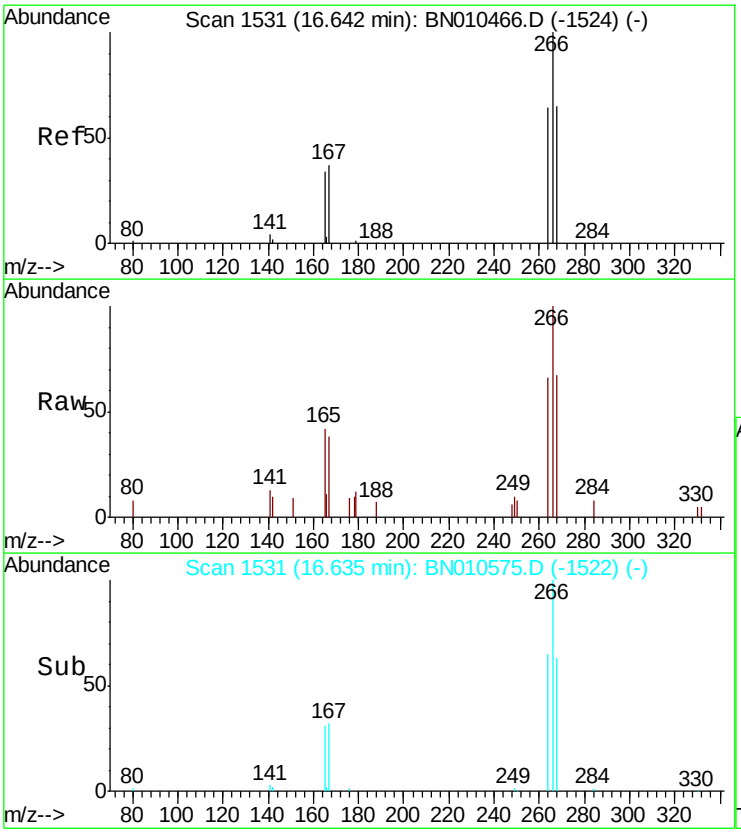
#21
Hexachlorobenzene
Concen: 0.418 ng
RT: 16.28 min Scan# 1498
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 5466

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

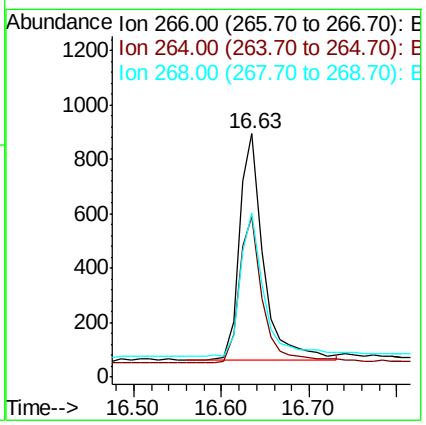


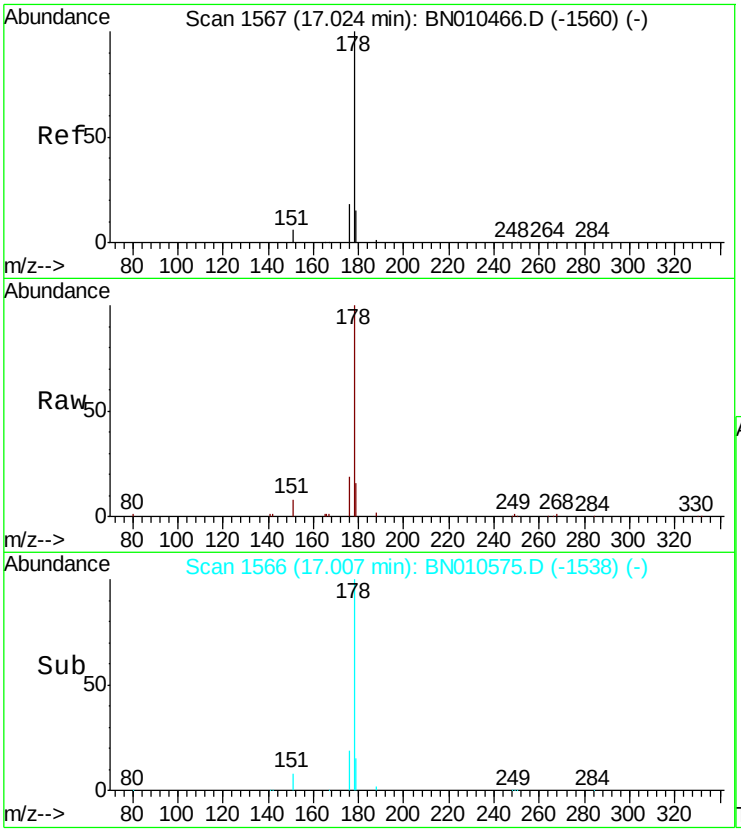


#22
Pentachlorophenol
Concen: 0.305 ng
RT: 16.63 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:266 Resp: 1568

Ion	Ratio	Lower	Upper
266	100		
264	66.1	51.8	77.6
268	67.2	53.7	80.5



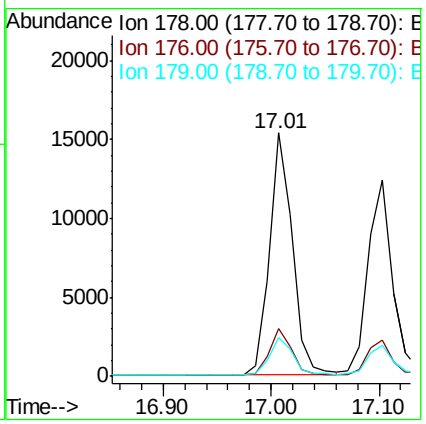


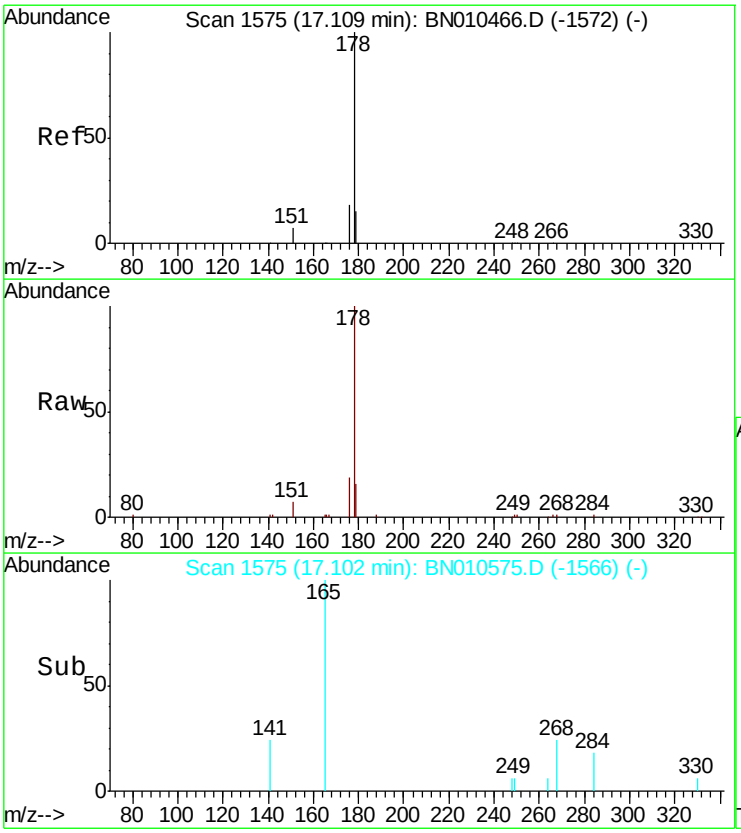
#23
Phenanthrene
Concen: 0.402 ng
RT: 17.01 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 22369

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.6	18.8

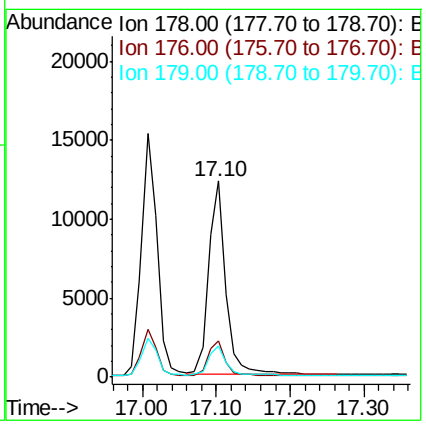


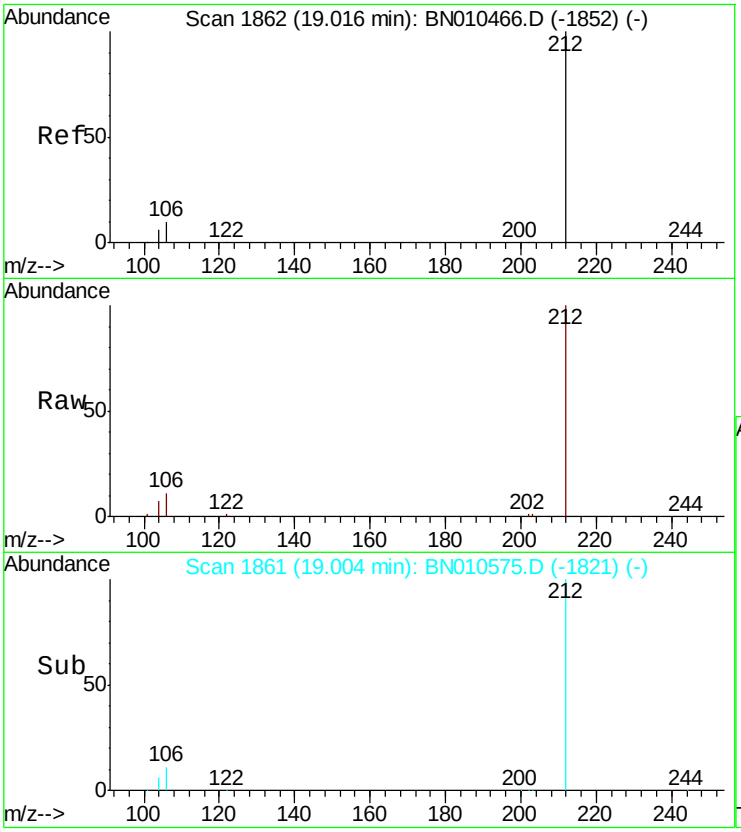


#24
Anthracene
Concen: 0.386 ng
RT: 17.10 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:178 Resp: 19656

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.1	12.2	18.2



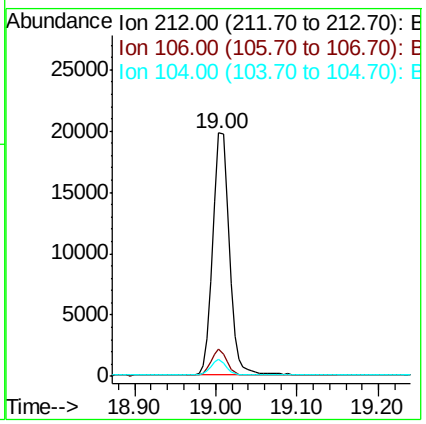


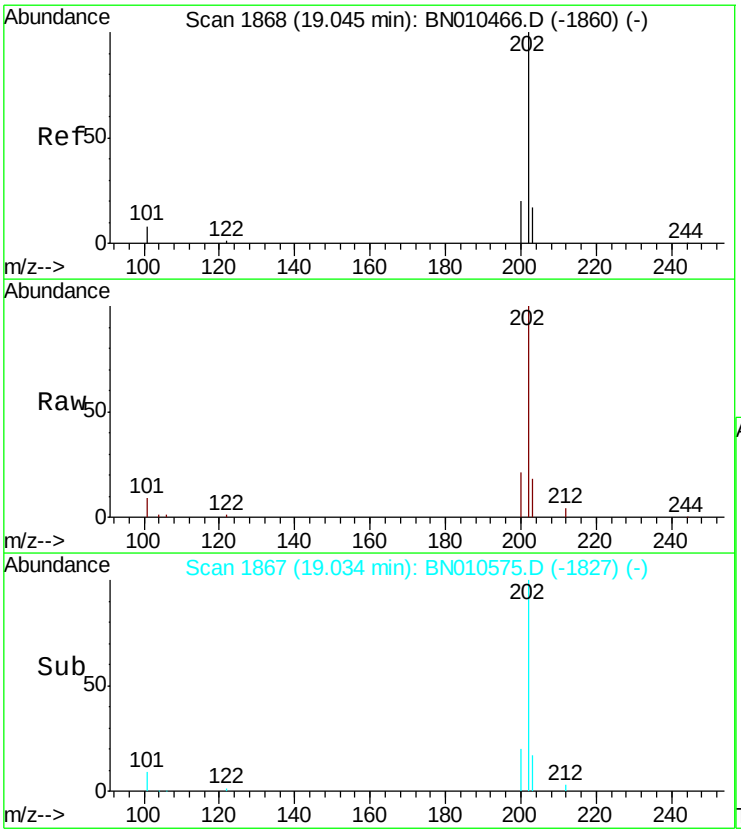
#25
Fluoranthene-d10
Concen: 0.450 ng
RT: 19.00 min Scan# 1861
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 28132

Ion	Ratio	Lower	Upper
212	100		
106	10.2	7.8	11.6
104	5.9	4.5	6.7

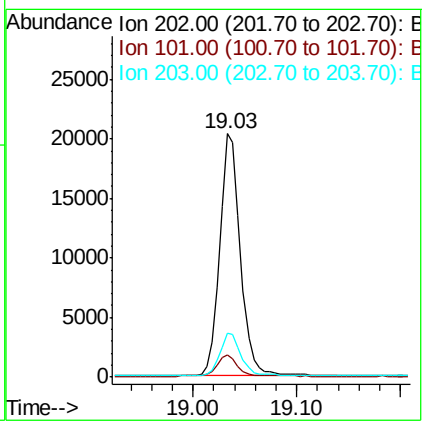


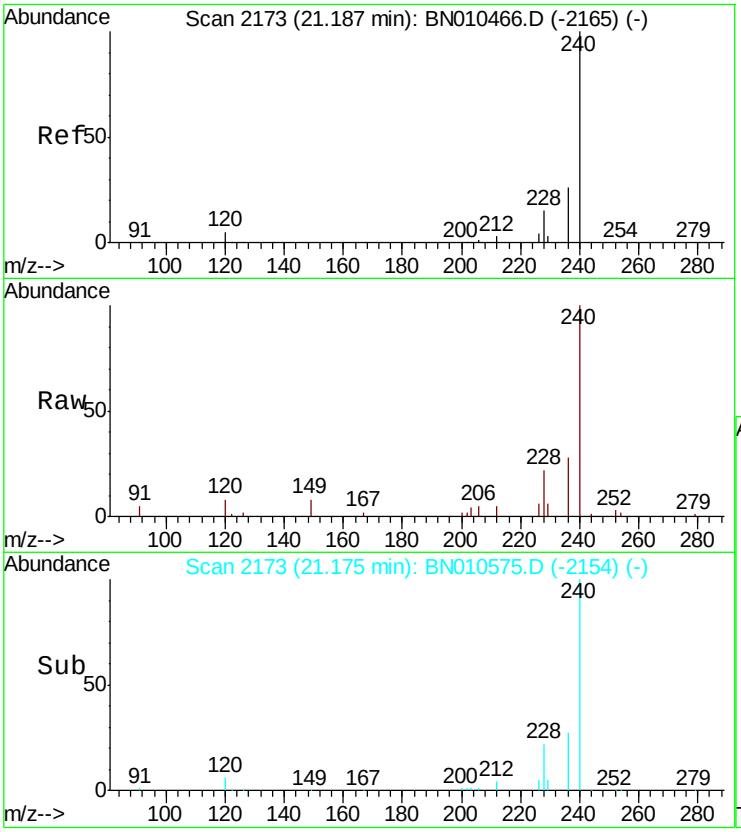


#26
Fluoranthene
Concen: 0.401 ng
RT: 19.03 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:202 Resp: 27738

Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.9	10.3
203	17.0	13.9	20.9



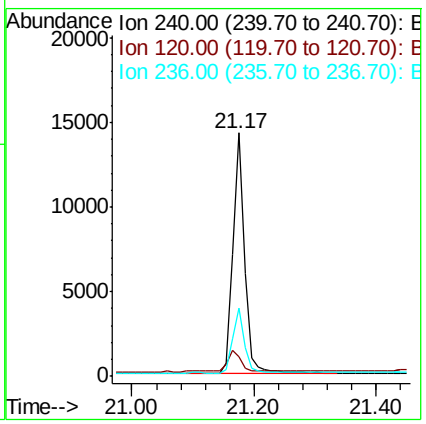


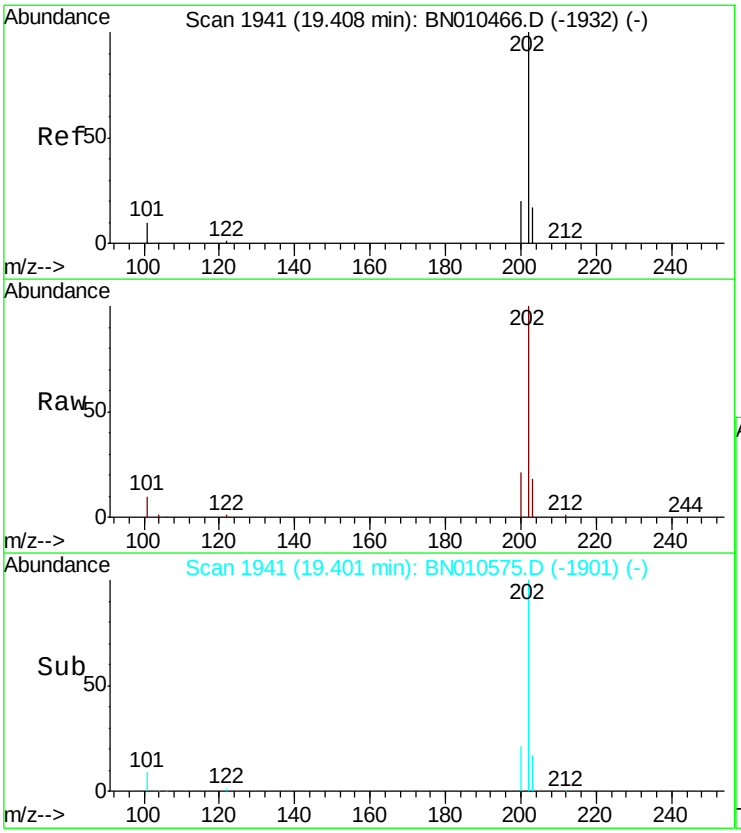
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 19369

Ion	Ratio	Lower	Upper
240	100		
120	8.3	4.8	7.2#
236	27.8	21.4	32.0

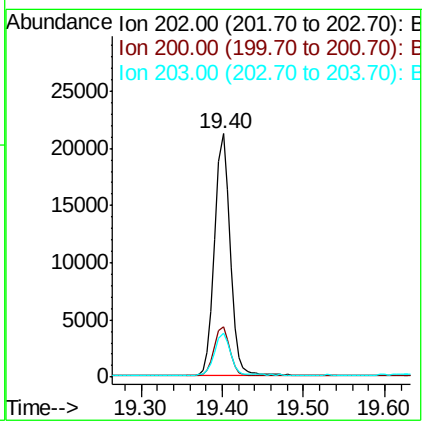


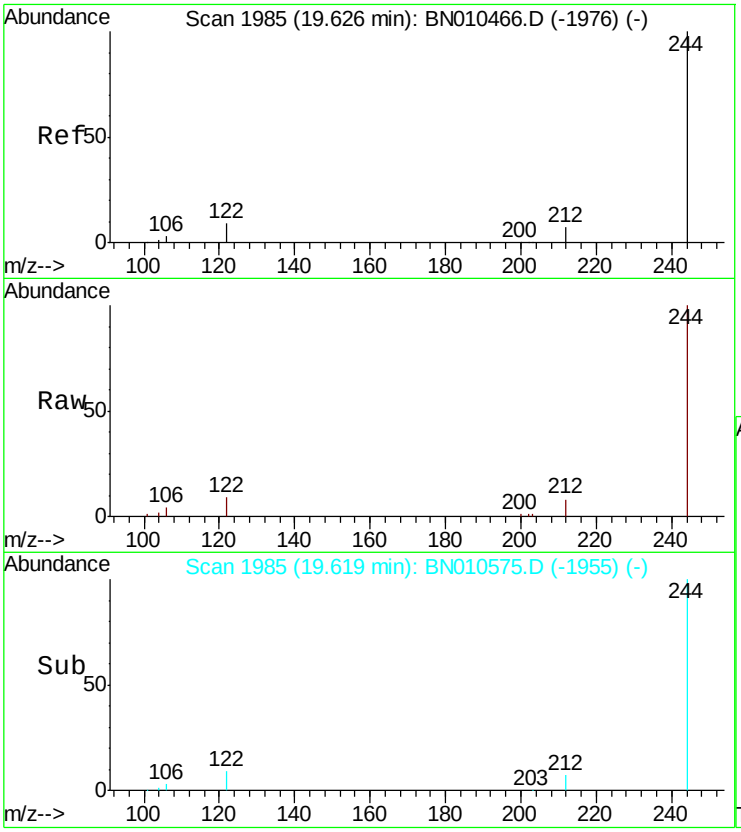


#28
Pyrene
Concen: 0.431 ng
RT: 19.40 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:202 Resp: 28110

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	17.6	14.0	21.0



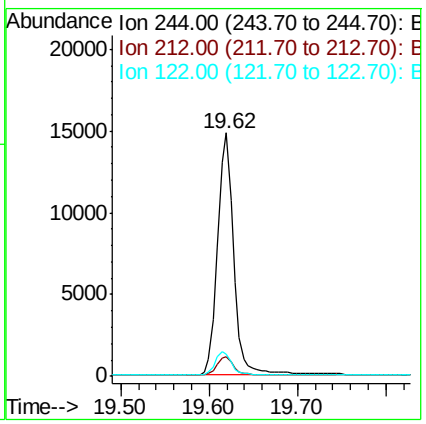


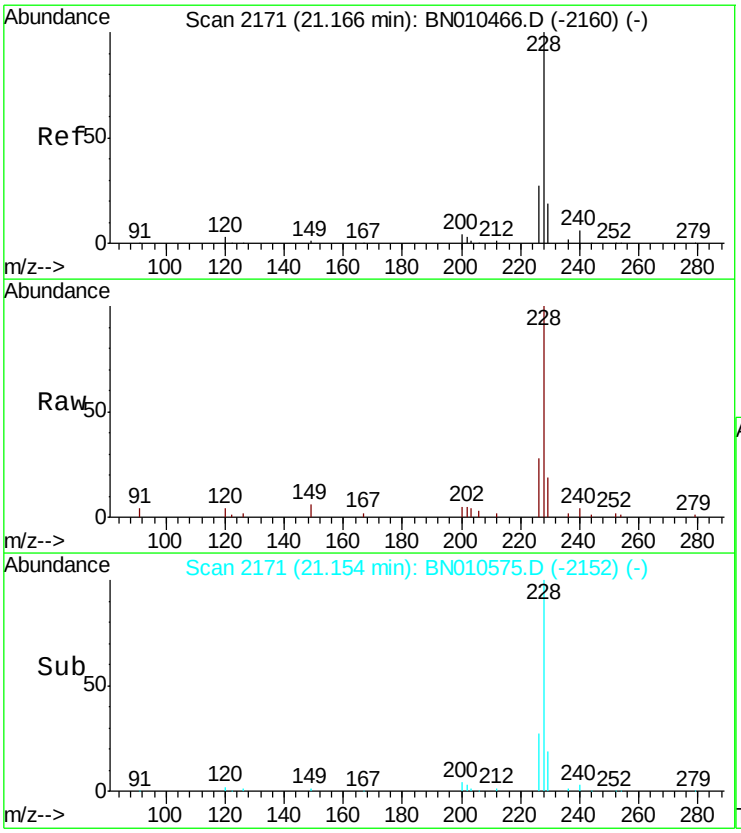
#29
Terphenyl-d14
Concen: 0.428 ng
RT: 19.62 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 18965

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.2	7.8	11.8

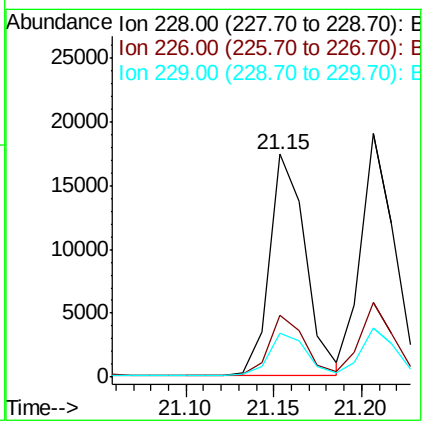


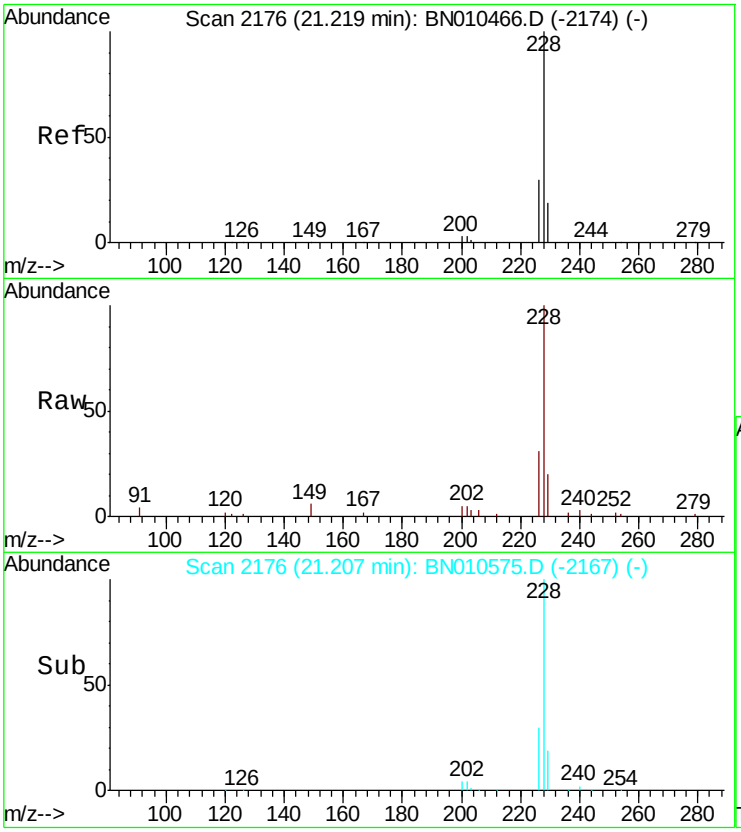


#30
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.15 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:228 Resp: 24530

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	19.5	15.6	23.4



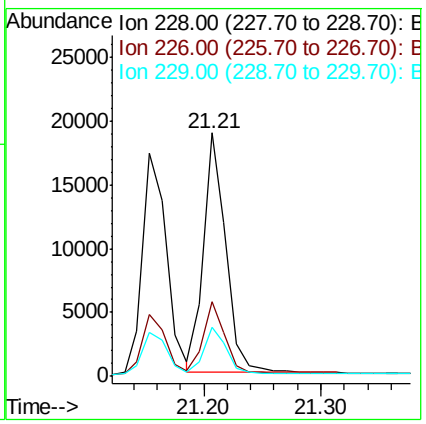


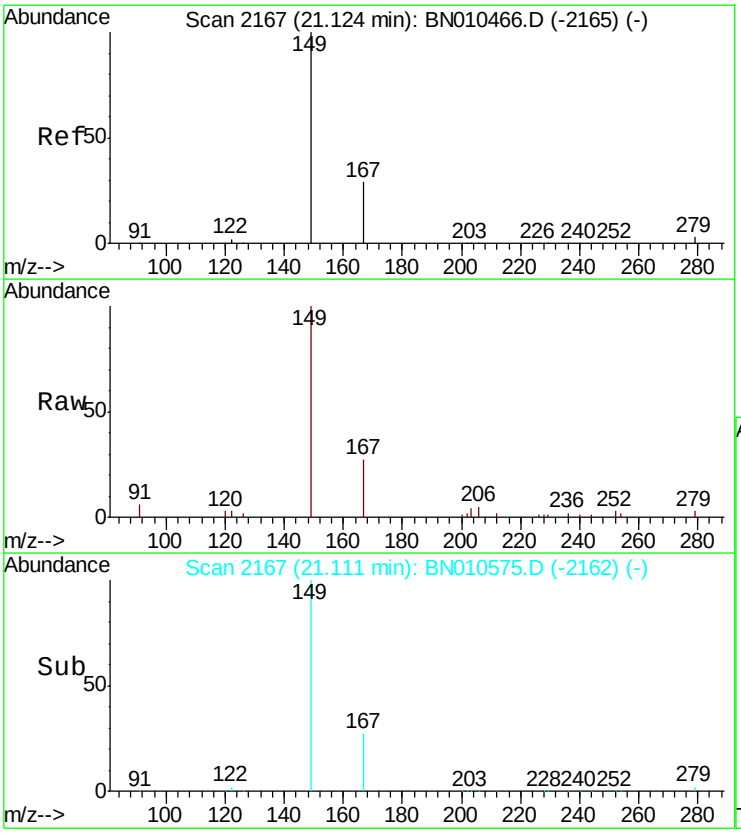
#31
Chrysene
Concen: 0.398 ng
RT: 21.21 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 25060

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	20.1	15.8	23.6

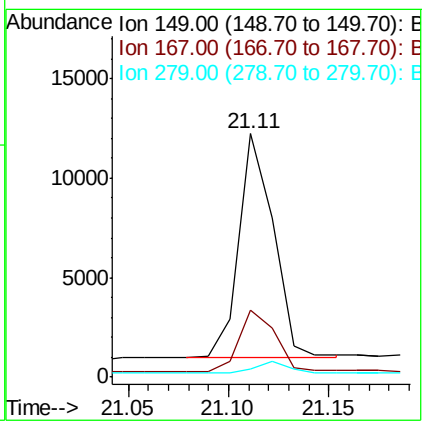


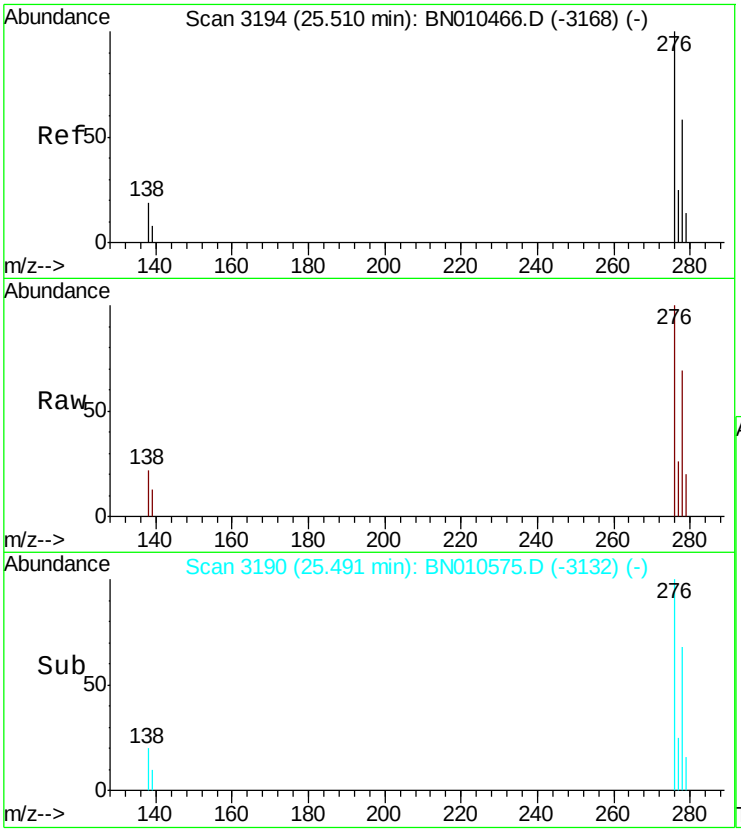


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.416 ng
RT: 21.11 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:149 Resp: 13479

Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.4	35.0
279	4.8	4.0	6.0



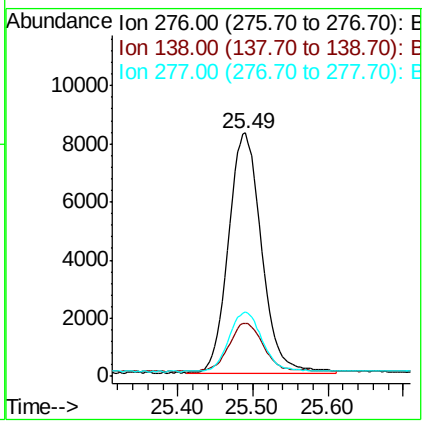


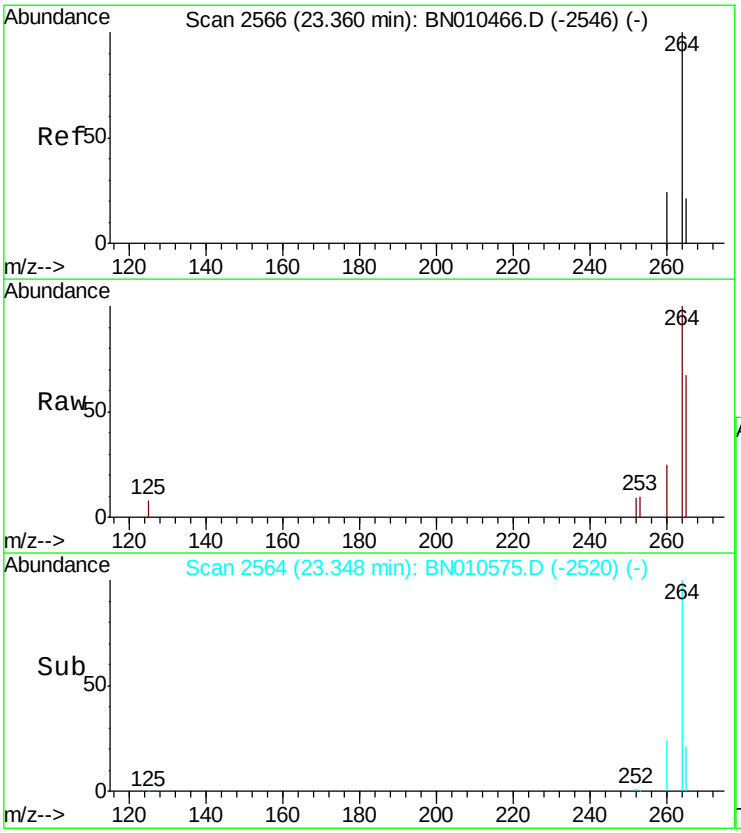
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.442 ng
RT: 25.49 min Scan# 3190
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 24607

Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.4	24.6
277	24.8	19.8	29.6

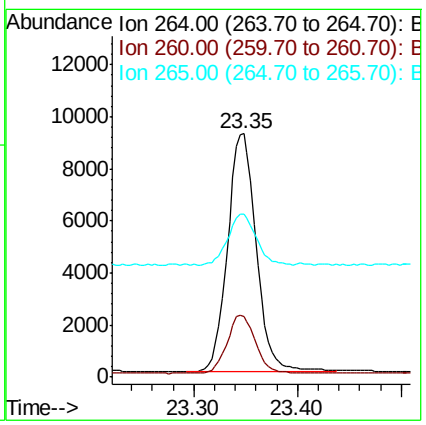


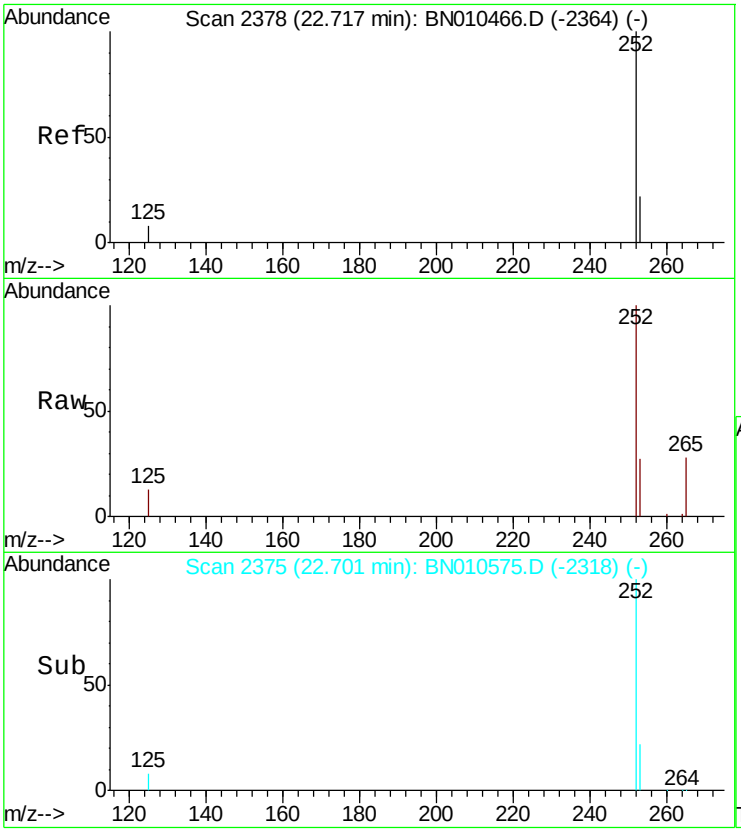


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:264 Resp: 17617

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	66.9	42.3	63.5#



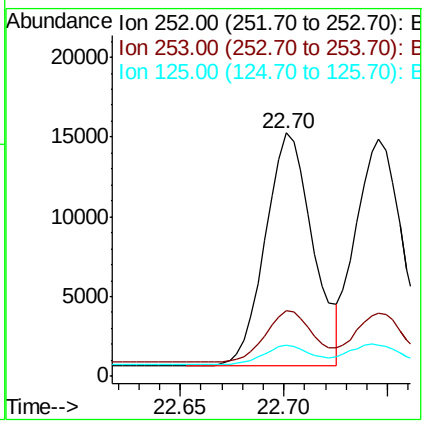


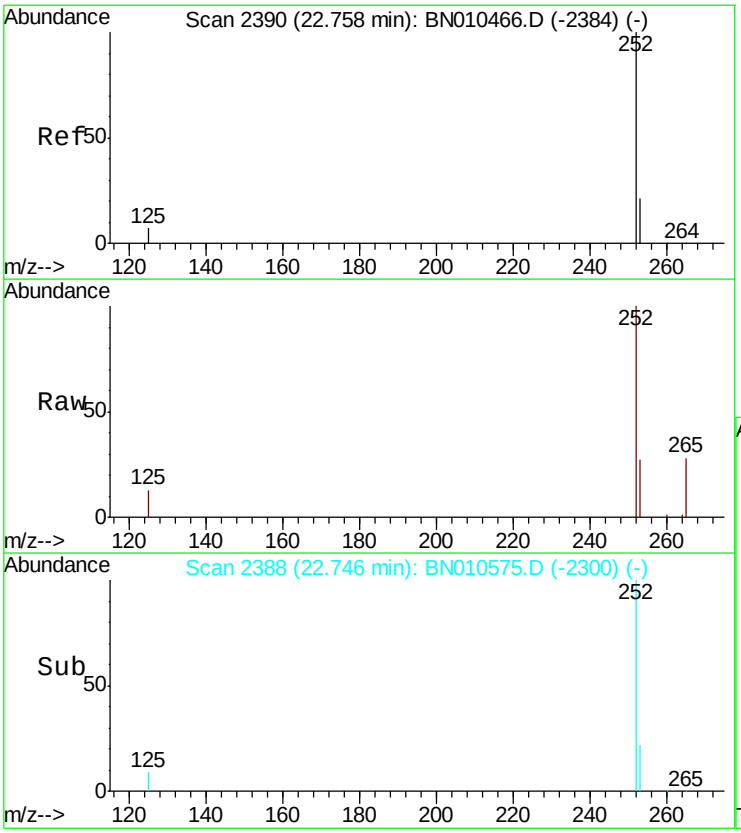
#35
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 22.70 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 23156

Ion	Ratio	Lower	Upper
252	100		
253	26.7	20.2	30.4
125	12.9	9.2	13.8

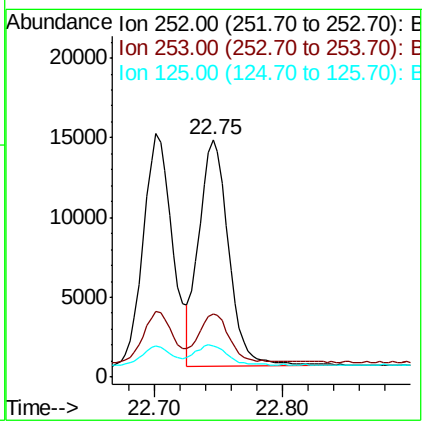


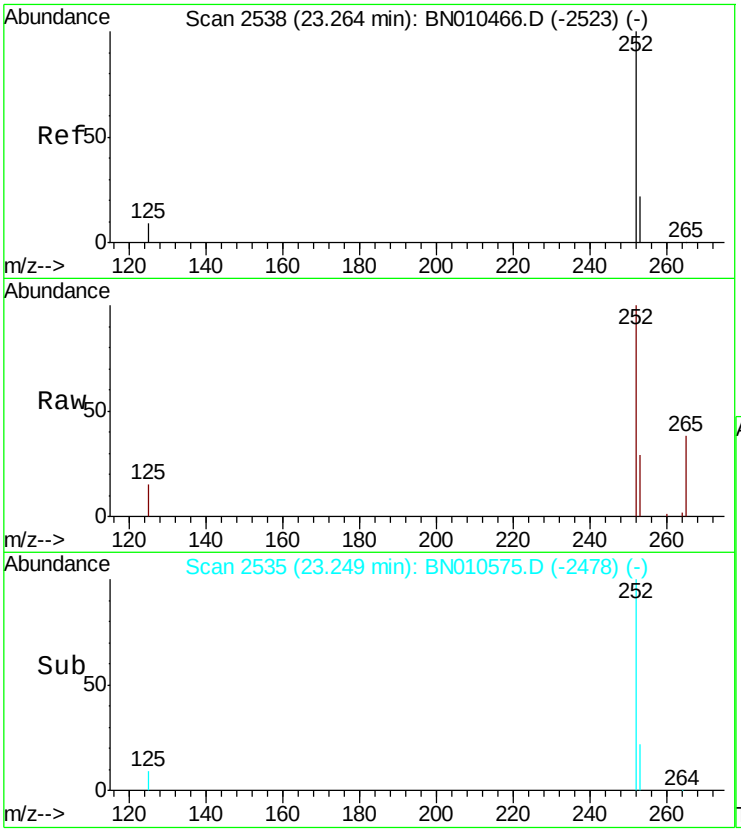


#36
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 22.75 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:252 Resp: 22729

Ion	Ratio	Lower	Upper
252	100		
253	26.7	20.1	30.1
125	13.3	9.6	14.4



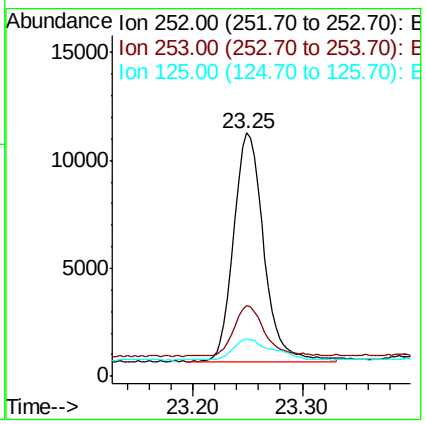


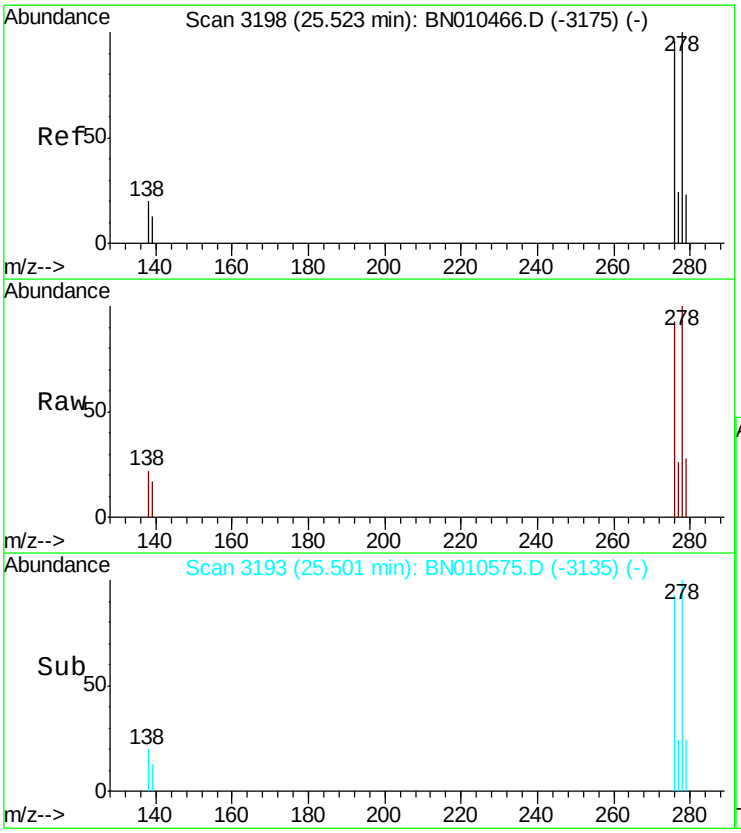
#37
Benzo(a)pyrene
Concen: 0.395 ng
RT: 23.25 min Scan# 2535
Delta R.T. -0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 20285

Ion	Ratio	Lower	Upper
252	100		
253	28.9	21.8	32.8
125	15.3	11.0	16.6

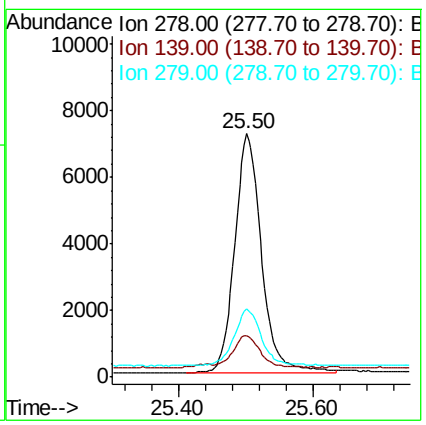


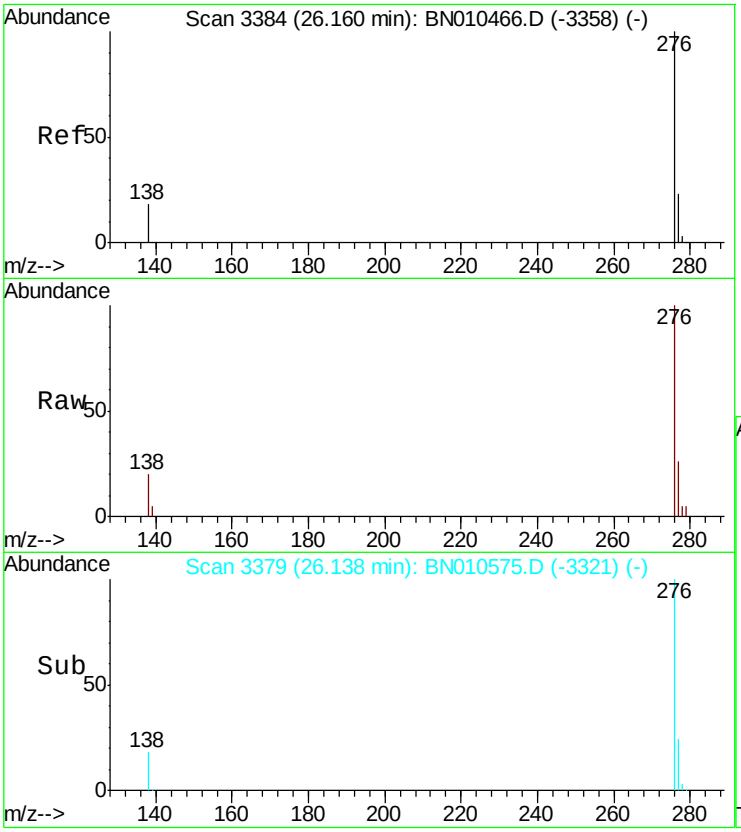


#38
Dibenzo(a,h)anthracene
Concen: 0.425 ng
RT: 25.50 min Scan# 3193
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Tgt Ion:278 Resp: 19934

Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.3	18.5
279	28.0	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.429 ng
RT: 26.14 min Scan# 3379
Delta R.T. 0.00 min
Lab File: BN010575.D
Acq: 21 Apr 2020 20:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 20279

Ion	Ratio	Lower	Upper
276	100		
277	26.0	20.2	30.2
138	19.9	15.4	23.2