Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
Data File : BN010673.D
Acq On : 30 Apr 2020 14:26
Operator : CG/JU
Sample : PB128575BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB128575BS

Quant Time: Apr 30 14:56:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 30 11:18:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	3183	0.40	ng		0.00
7) Naphthalene-d8	10.34	136	12847	0.40	ng		0.01
13) Acenaphthene-d10	14.21	164	8184	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	17464	0.40	ng		0.00
27) Chrysene-d12	21.17	240	13118	0.40	ng		0.00
34) Perylene-d12	23.33	264	11702	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.23	112	2212	0.32	ng		0.00
5) Phenol-d6	6.78	99	2702	0.30	ng		0.00
8) Nitrobenzene-d5	8.72	82	2753	0.31	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	9910	0.47	ng		0.00
14) 2,4,6-Tribromophenol	15.70	330	845	0.22	ng		0.00
15) 2-Fluorobiphenyl	12.83	172	9429	0.32	ng		0.00
25) Fluoranthene-d10	18.99	212	13134	0.25	ng		0.00
29) Terphenyl-d14	19.61	244	10077	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	818	0.349	ng	#	78
3) n-Nitrosodimethylamine	3.55	42	621	0.409	ng	#	92
6) bis(2-Chloroethyl)ether	7.03	93	3393	0.430	ng		98
9) Naphthalene	10.38	128	13439	0.421	ng		98
10) Hexachlorobutadiene	10.68	225	2881	0.375	ng	#	99
12) 2-Methylnaphthalene	12.01	142	9773	0.426	ng		99
16) Acenaphthylene	13.92	152	13728	0.388	ng		100
17) Acenaphthene	14.26	154	9237	0.407	ng		100
18) Fluorene	15.26	166	12293	0.413	ng		99
20) 4-Bromophenyl-phenylether	16.15	248	3827	0.394	ng	#	77
21) Hexachlorobenzene	16.27	284	4598	0.415	ng		98
22) Pentachlorophenol	16.62	266	3460	0.794	ng		97
23) Phenanthrene	16.99	178	19356	0.410	ng		100
24) Anthracene	17.09	178	16382	0.380	ng		100
26) Fluoranthene	19.02	202	20606	0.351	ng		99
28) Pyrene	19.39	202	20273	0.459	ng		99
30) Benzo(a)anthracene	21.14	228	16068	0.375	ng		100
31) Chrysene	21.20	228	17009	0.399	ng		99
32) Bis(2-ethylhexyl)phthalate	21.10	149	7359	0.335	ng		98
33) Indeno(1,2,3-cd)pyrene	25.47	276	16955	0.450	ng		100
35) Benzo(b)fluoranthene	22.69	252	15831	0.411	ng		96
36) Benzo(k)fluoranthene	22.73	252	16750	0.434	ng		96
37) Benzo(a)pyrene	23.24	252	14215	0.417	ng		94
38) Dibenzo(a,h)anthracene	25.48	278	13640	0.437	ng		99
39) Benzo(g,h,i)perylene	26.11	276	15173	0.483	ng		100

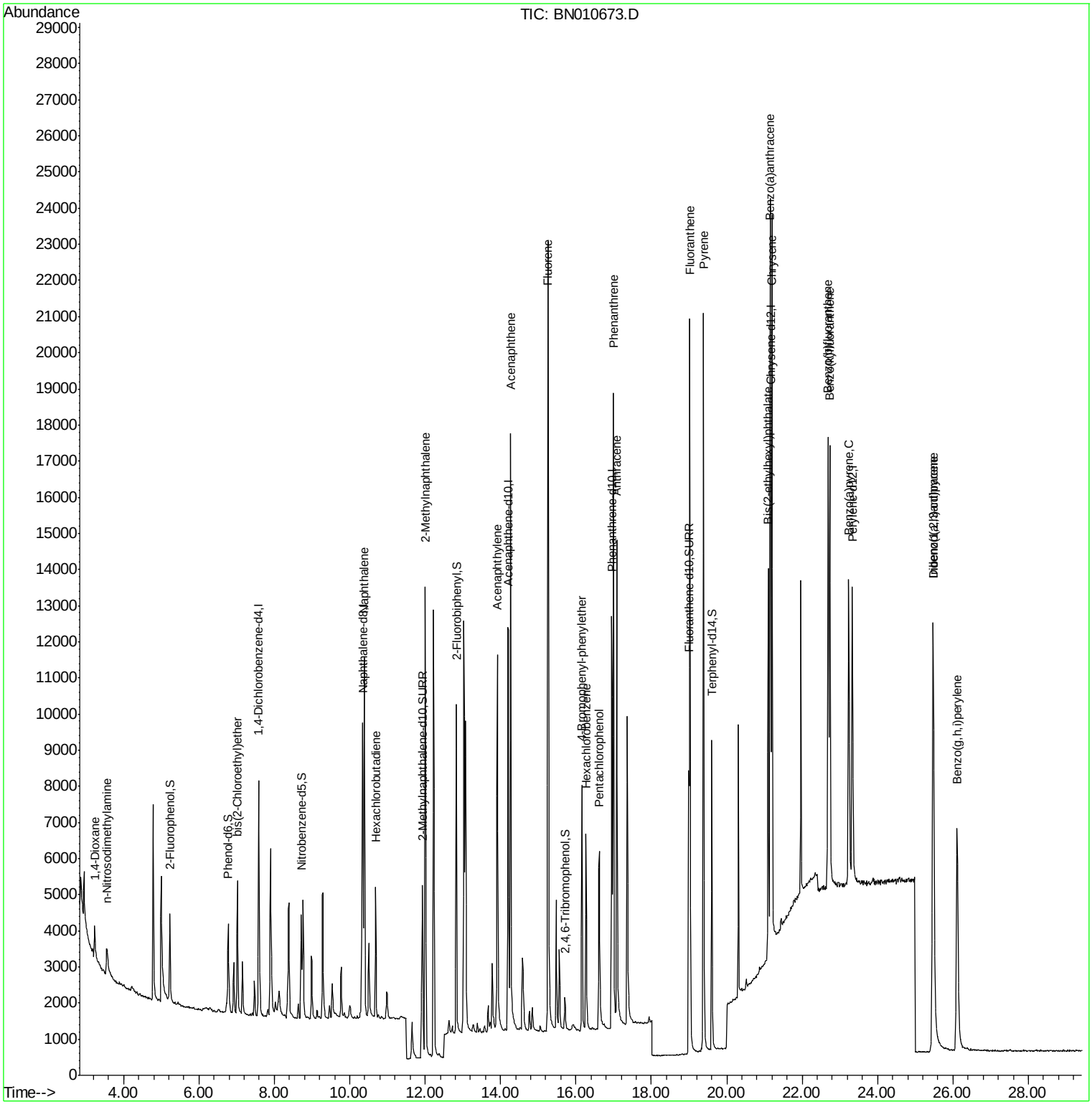
(#) = qualifier out of range (m) = manual integration (+) = signals summed

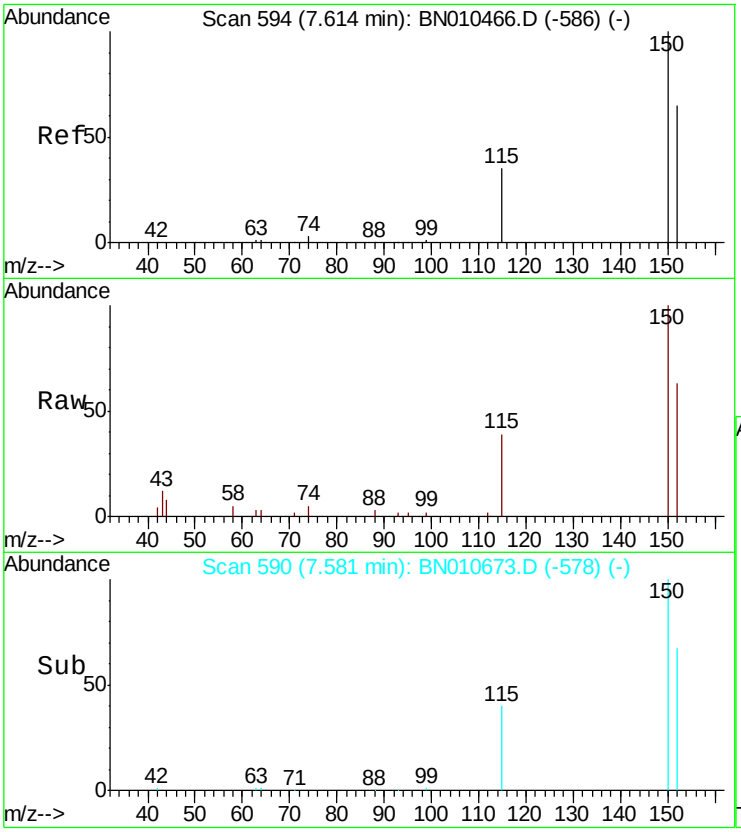
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
Data File : BN010673.D
Acq On : 30 Apr 2020 14:26
Operator : CG/JU
Sample : PB128575BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Quant Time: Apr 30 14:56:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 30 11:18:31 2020
Response via : Initial Calibration



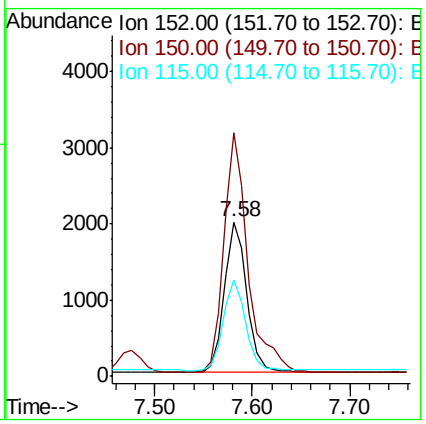


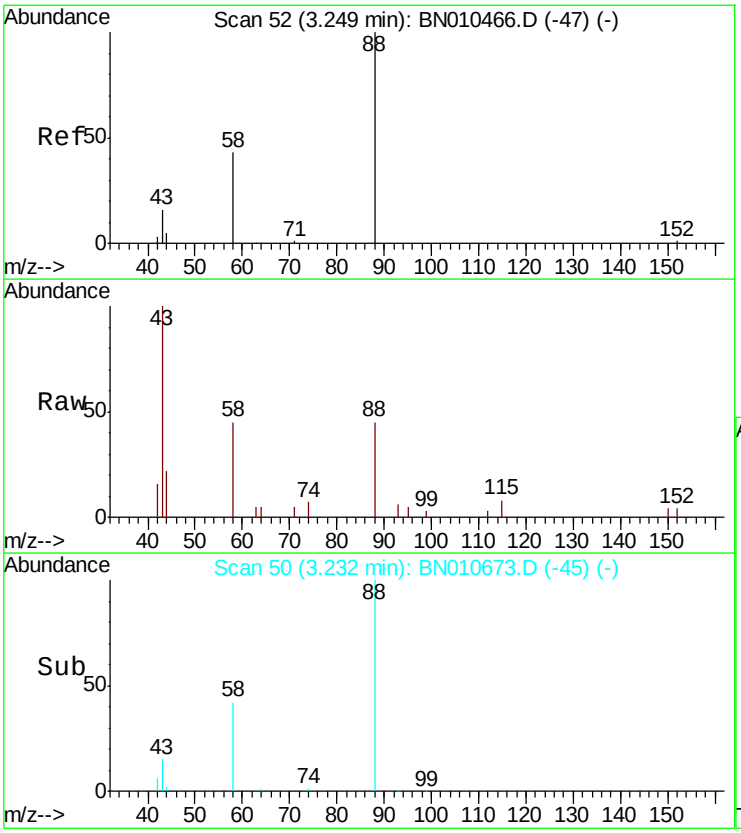
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.58 min Scan# 590
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:152 Resp: 3183

Ion	Ratio	Lower	Upper
152	100		
150	157.6	121.8	182.6
115	62.1	45.5	68.3

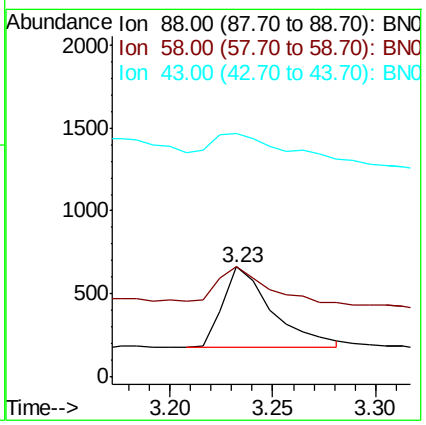


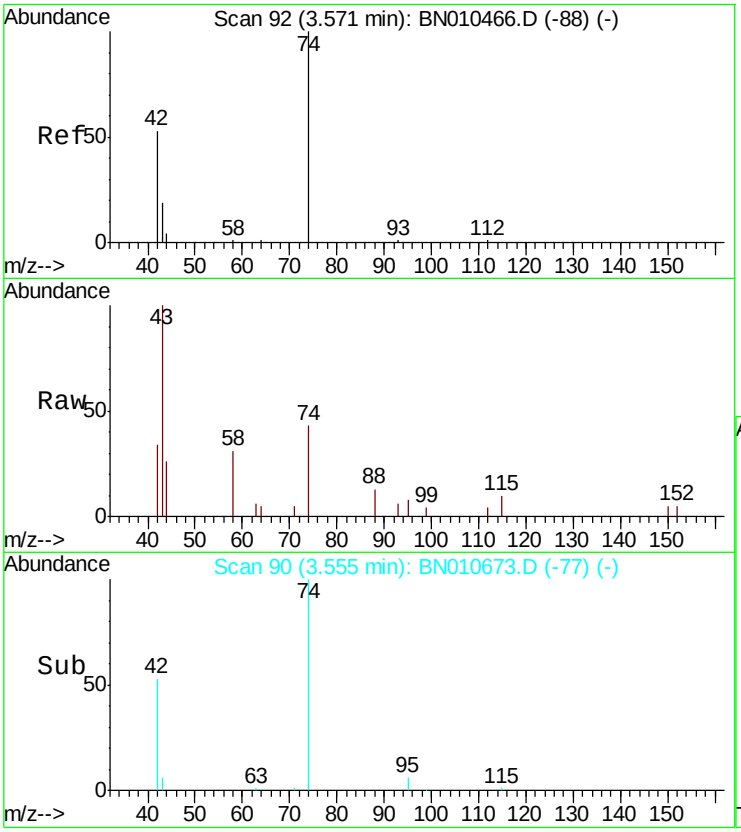


#2
1,4-Dioxane
Concen: 0.349 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion: 88 Resp: 818

Ion	Ratio	Lower	Upper
88	100		
58	40.0	36.5	54.7
43	41.3	13.2	19.8#



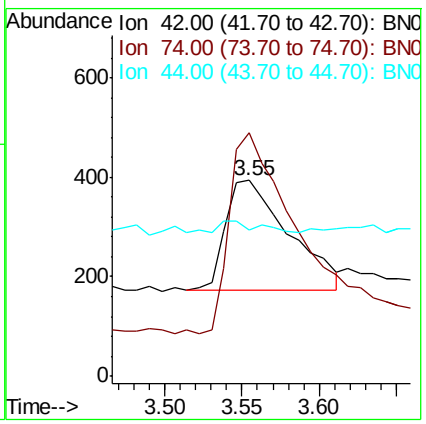


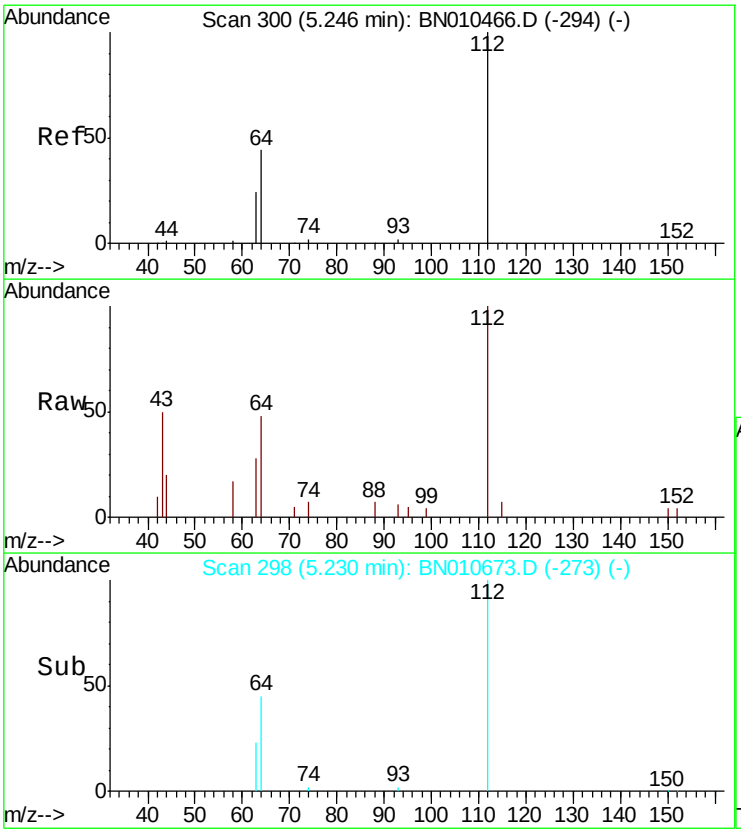
#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.55 min Scan# 90
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion: 42 Resp: 621

Ion	Ratio	Lower	Upper
42	100		
74	190.2	162.2	243.4
44	7.2	2.4	3.6#

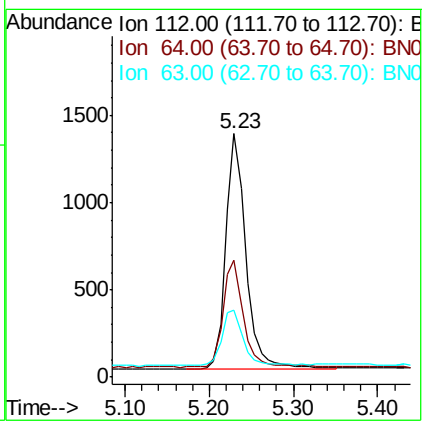


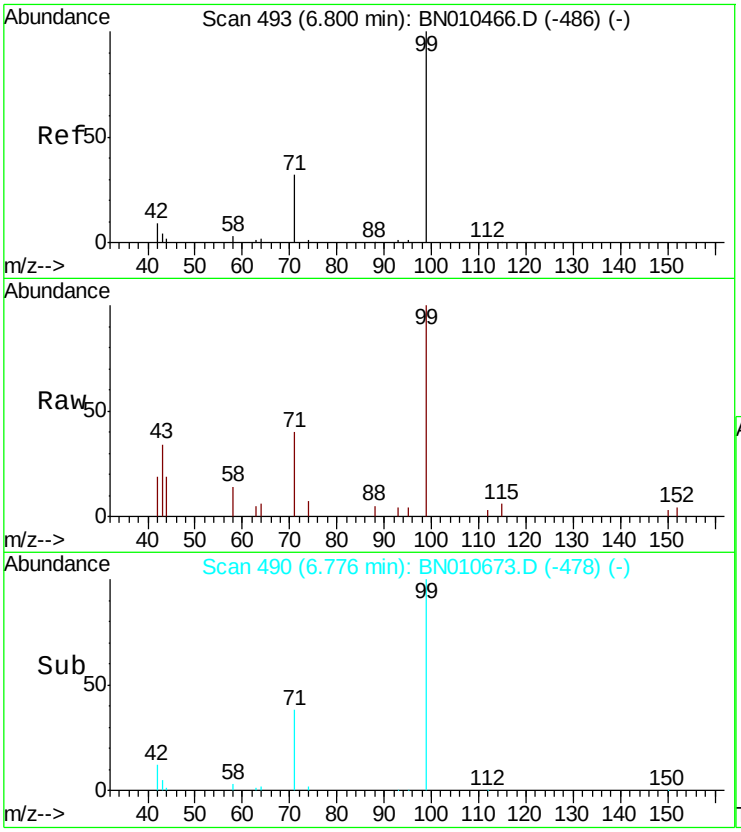


#4
2-Fluorophenol
Concen: 0.317 ng
RT: 5.23 min Scan# 298
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:112 Resp: 2212

Ion	Ratio	Lower	Upper
112	100		
64	46.3	35.8	53.8
63	25.3	19.9	29.9



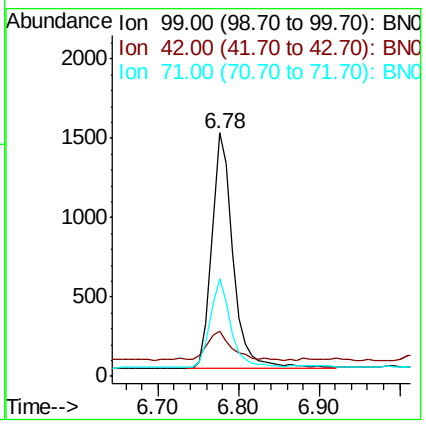


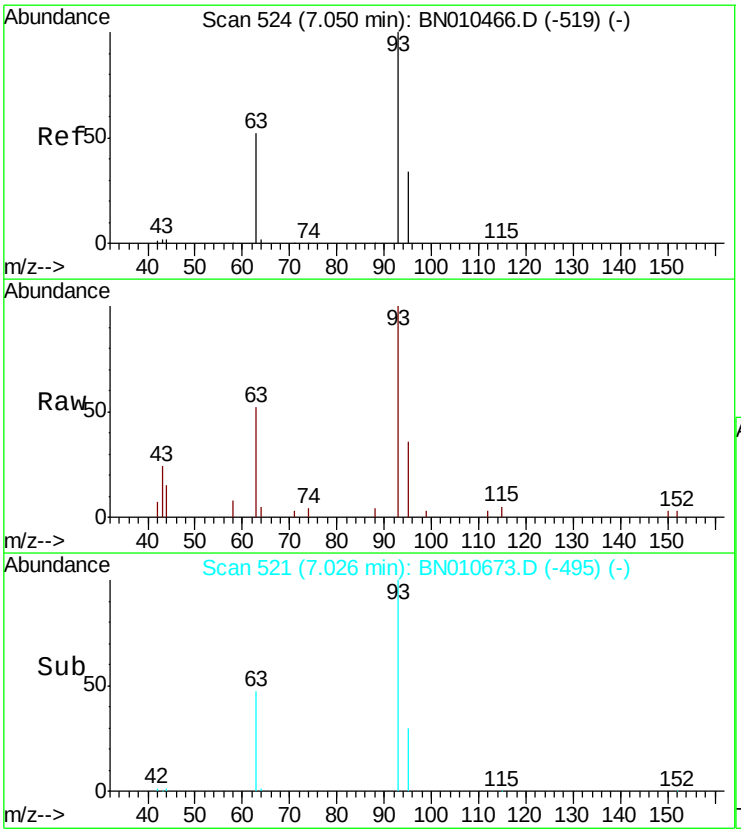
#5
Phenol-d6
Concen: 0.297 ng
RT: 6.78 min Scan# 490
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion: 99 Resp: 2702

Ion	Ratio	Lower	Upper
99	100		
42	12.5	9.8	14.6
71	36.2	27.8	41.8

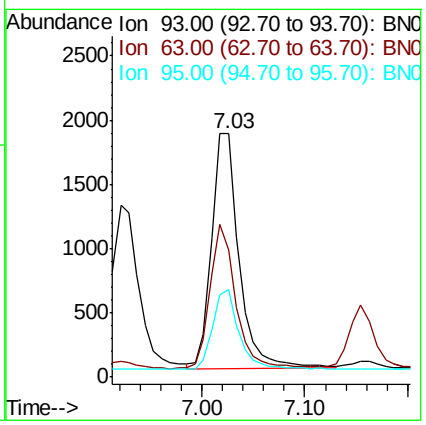


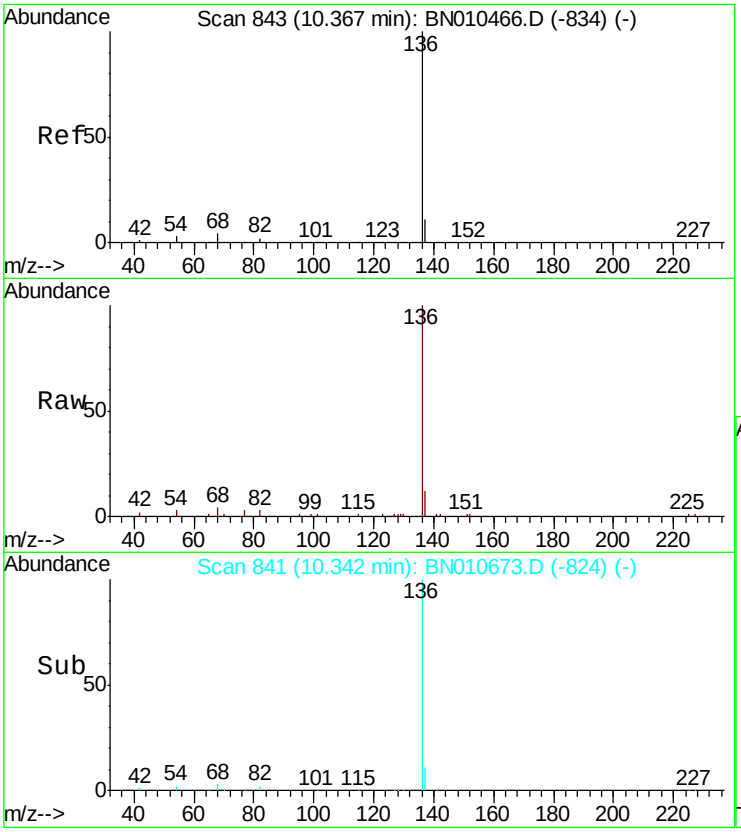


#6
bis(2-Chloroethyl)ether
Concen: 0.430 ng
RT: 7.03 min Scan# 521
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion: 93 Resp: 3393

Ion	Ratio	Lower	Upper
93	100		
63	57.6	44.6	66.8
95	32.7	26.5	39.7



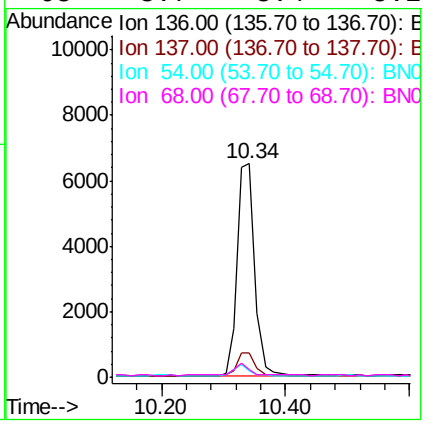


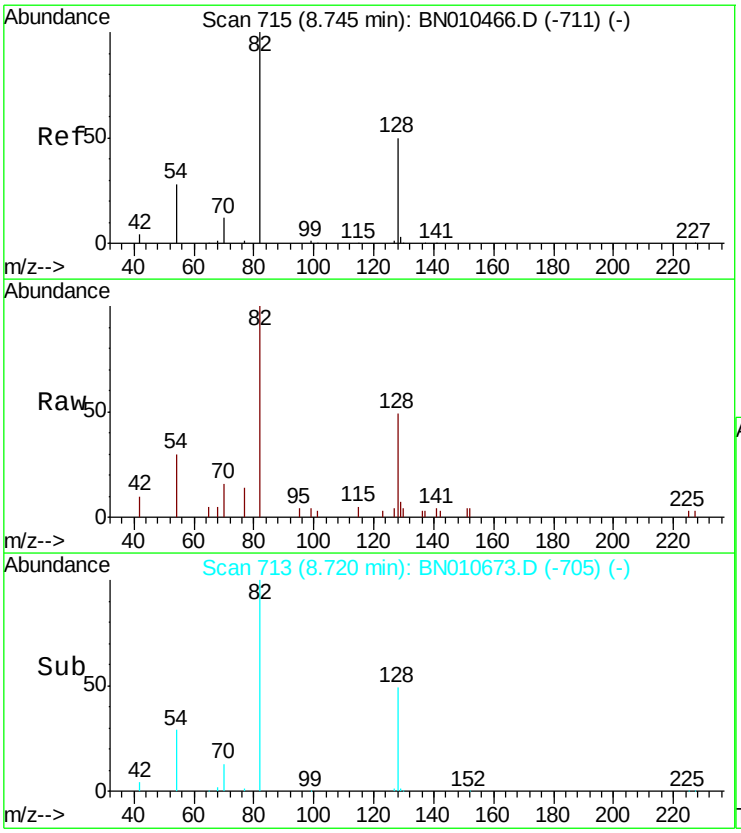
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.34 min Scan# 841
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:136 Resp: 12847

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	3.0	2.6	4.0
68	3.7	3.4	5.2

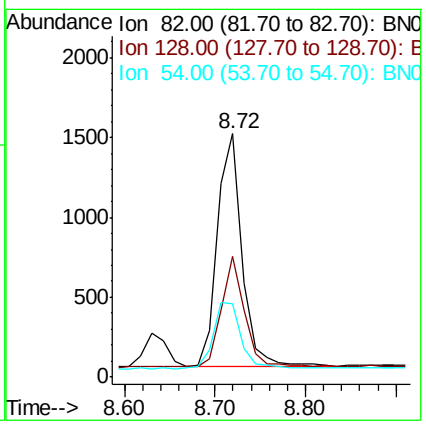


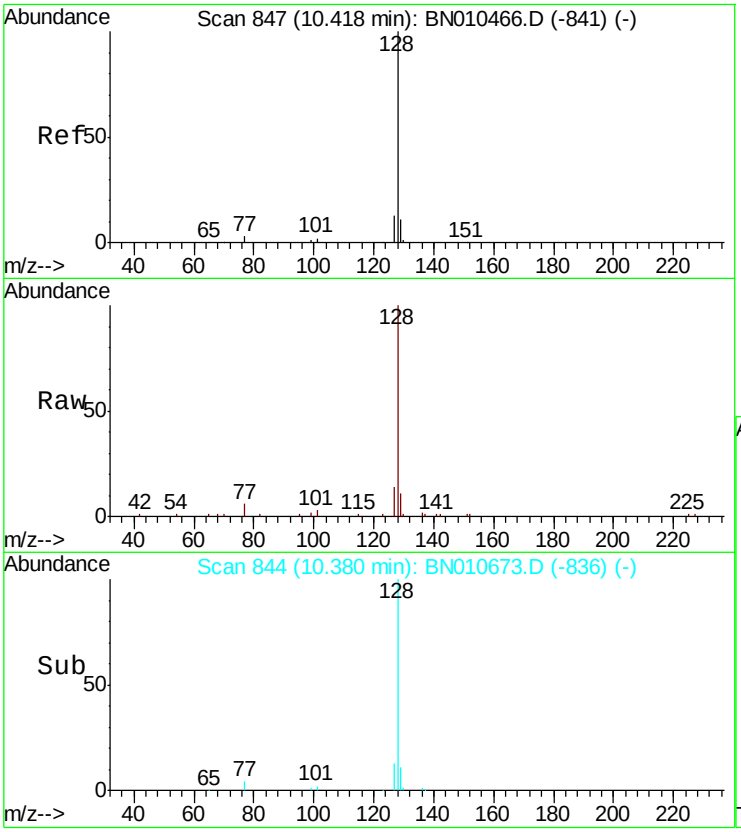


#8
Nitrobenzene-d5
Concen: 0.307 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion: 82 Resp: 2753

Ion	Ratio	Lower	Upper
82	100		
128	49.4	41.3	61.9
54	30.2	23.4	35.0



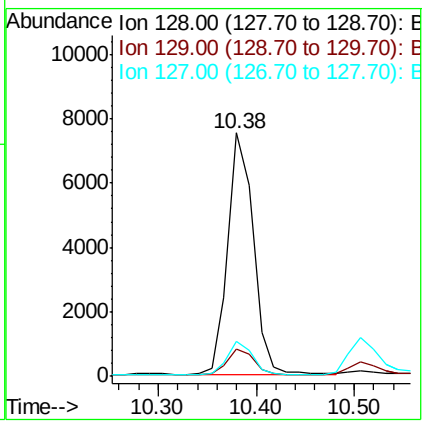


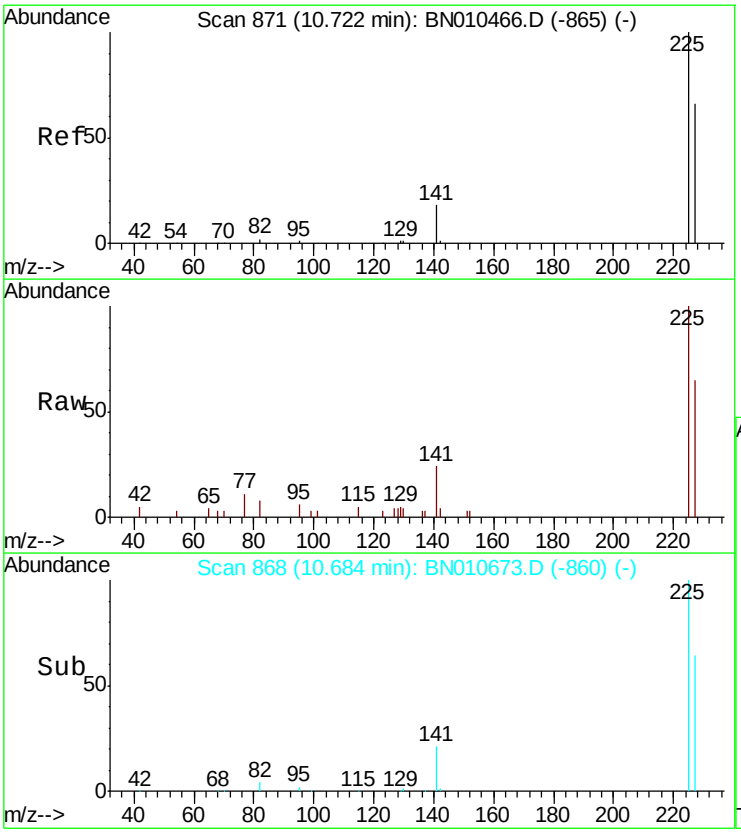
#9
Naphthalene
Concen: 0.421 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:128 Resp: 13439

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	14.1	10.5	15.7

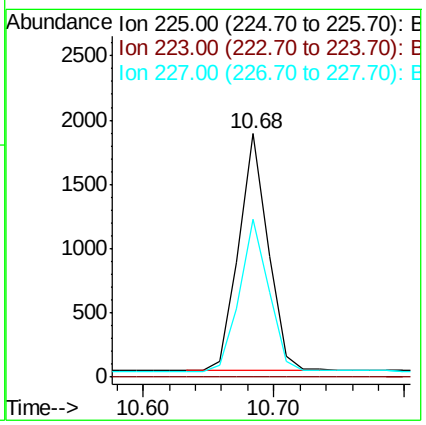


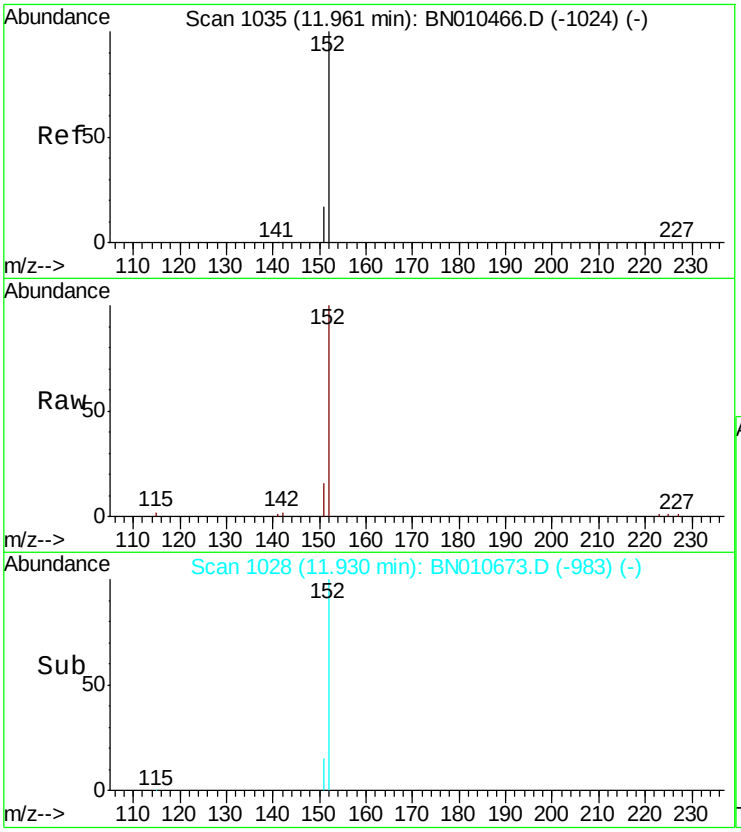


#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 10.68 min Scan# 868
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:225 Resp: 2881

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.6	76.0



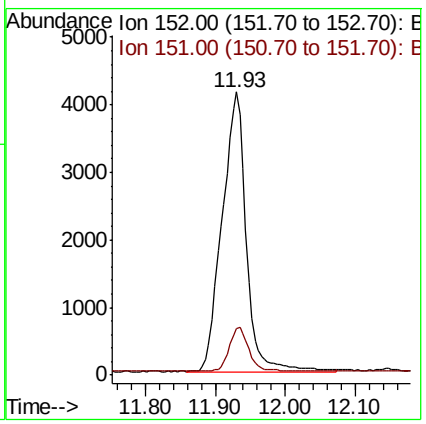


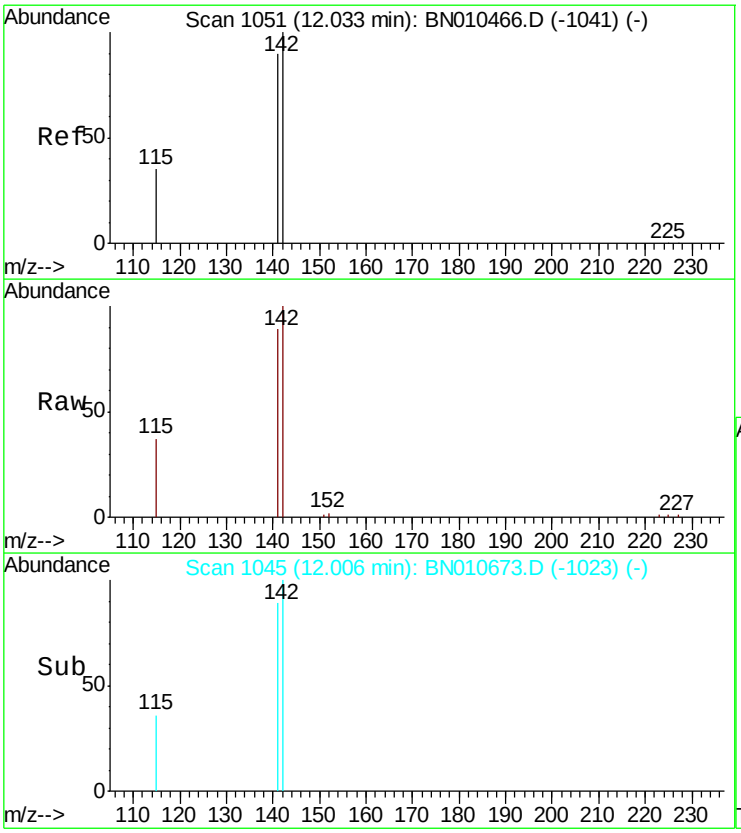
#11
2-Methylnaphthalene-d10
Concen: 0.469 ng
RT: 11.93 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:152 Resp: 9910

Ion	Ratio	Lower	Upper
152	100		
151	12.5	15.3	22.9#

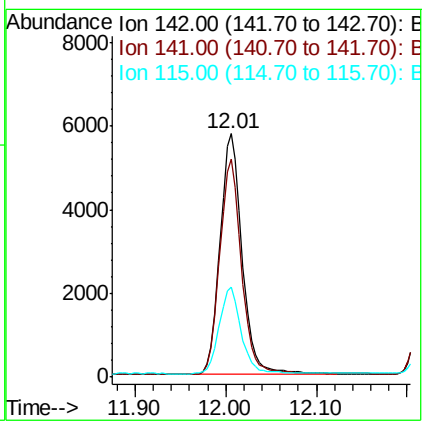


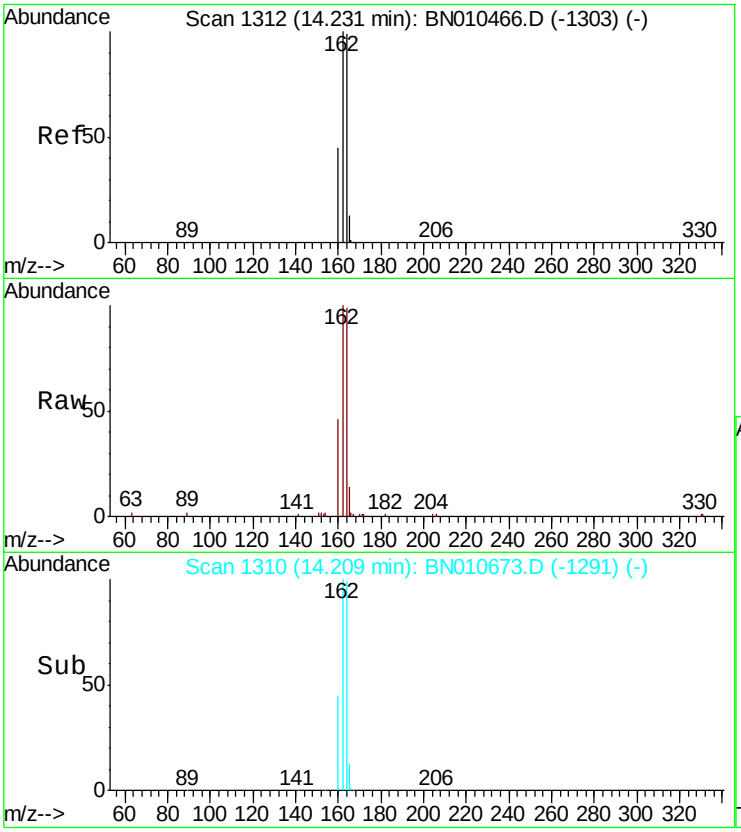


#12
2-Methylnaphthalene
Concen: 0.426 ng
RT: 12.01 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:142 Resp: 9773

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.9	107.9
115	37.0	28.8	43.2



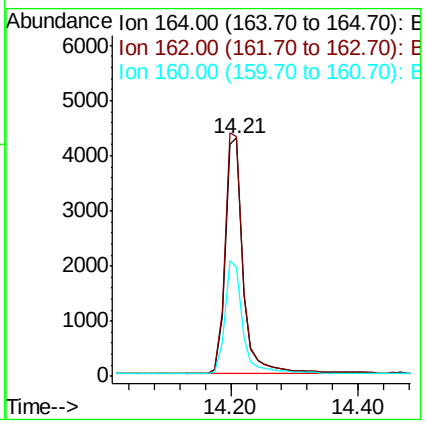


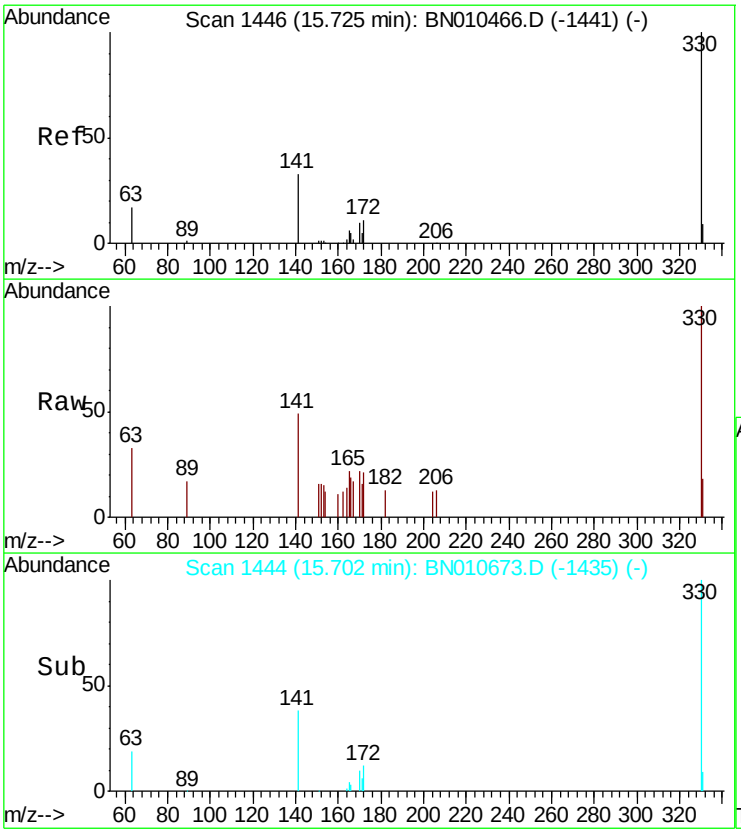
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:164 Resp: 8184

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	46.1	36.5	54.7

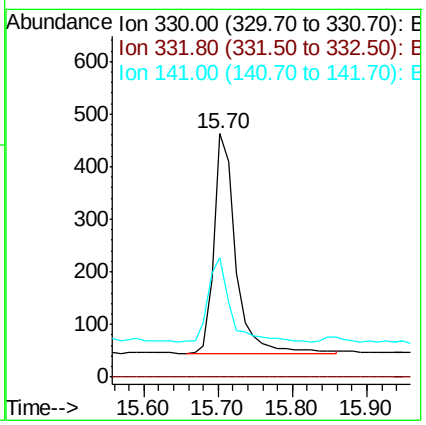


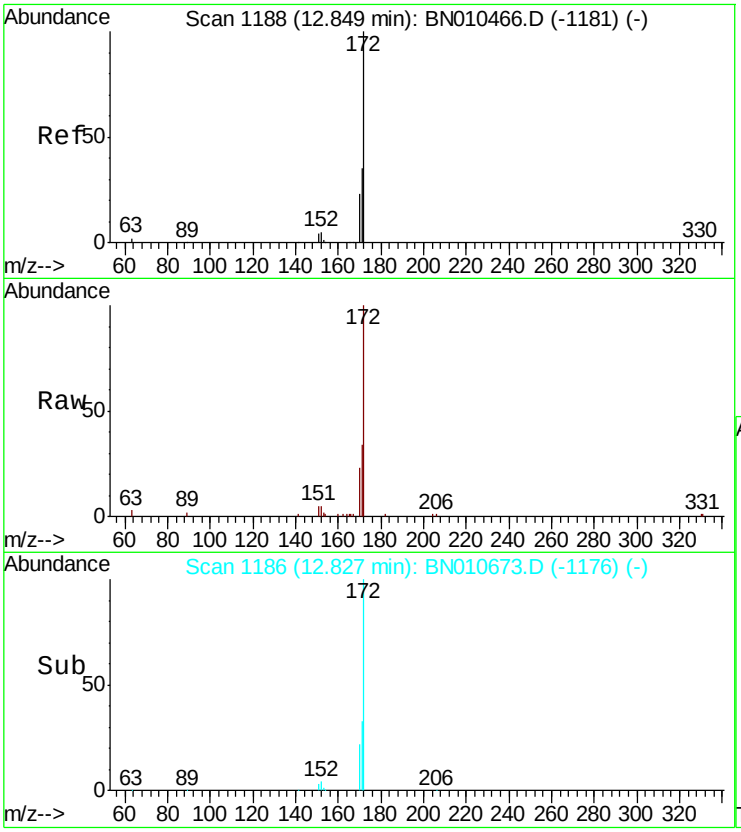


#14
2,4,6-Tribromophenol
Concen: 0.219 ng
RT: 15.70 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:330 Resp: 845

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.9	28.1	42.1



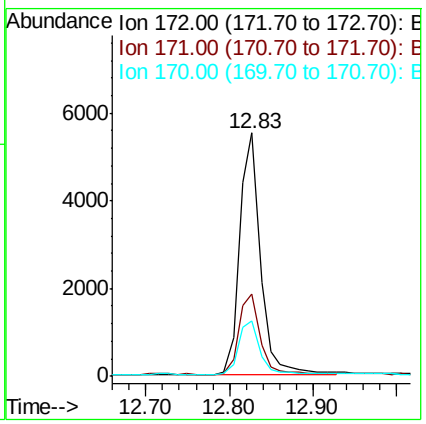


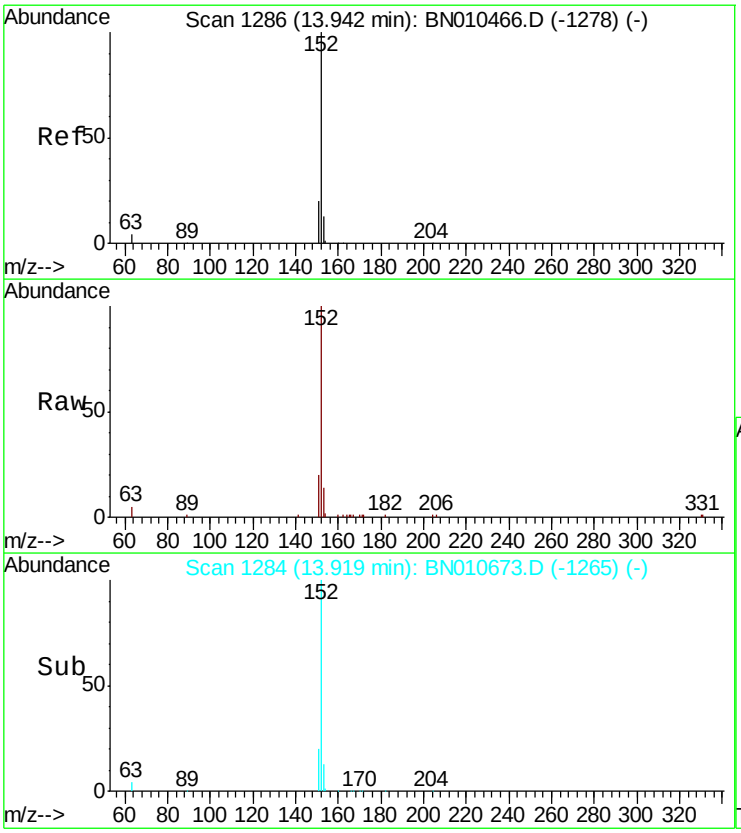
#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 12.83 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:172 Resp: 9429

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.2
170	22.6	18.4	27.6

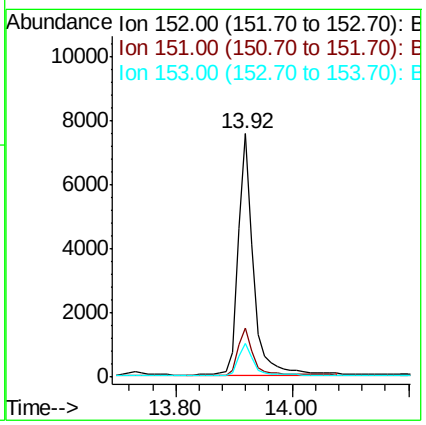


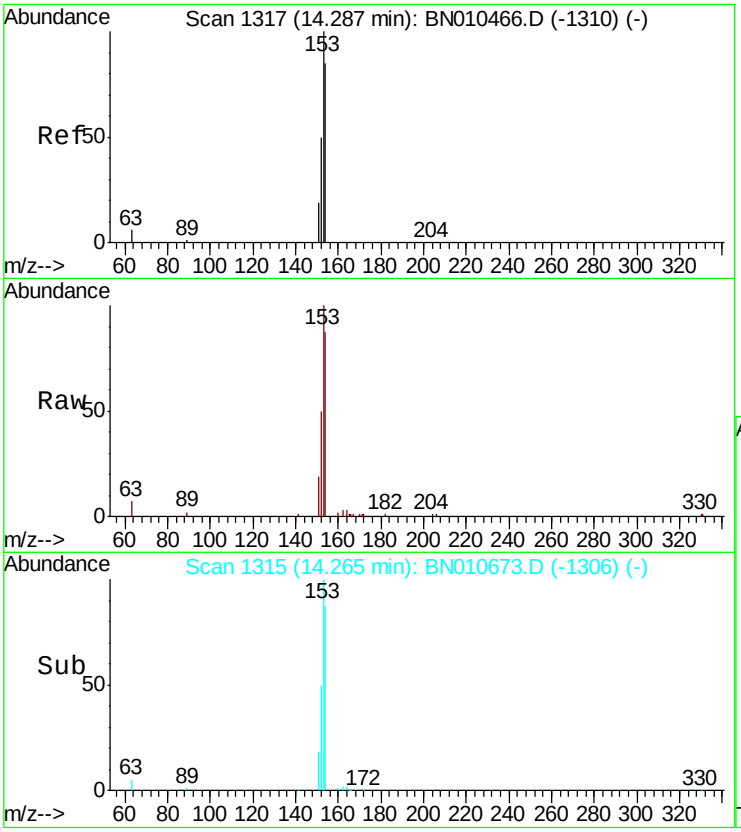


#16
Acenaphthylene
Concen: 0.388 ng
RT: 13.92 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:152 Resp: 13728

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.4	10.6	15.8



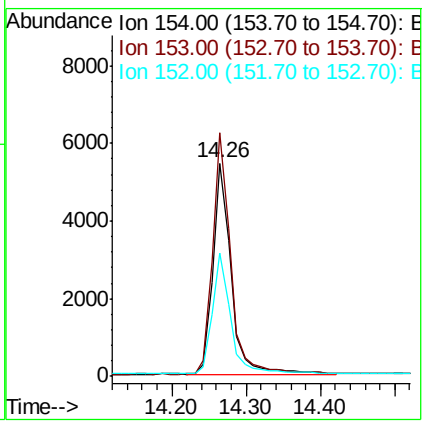


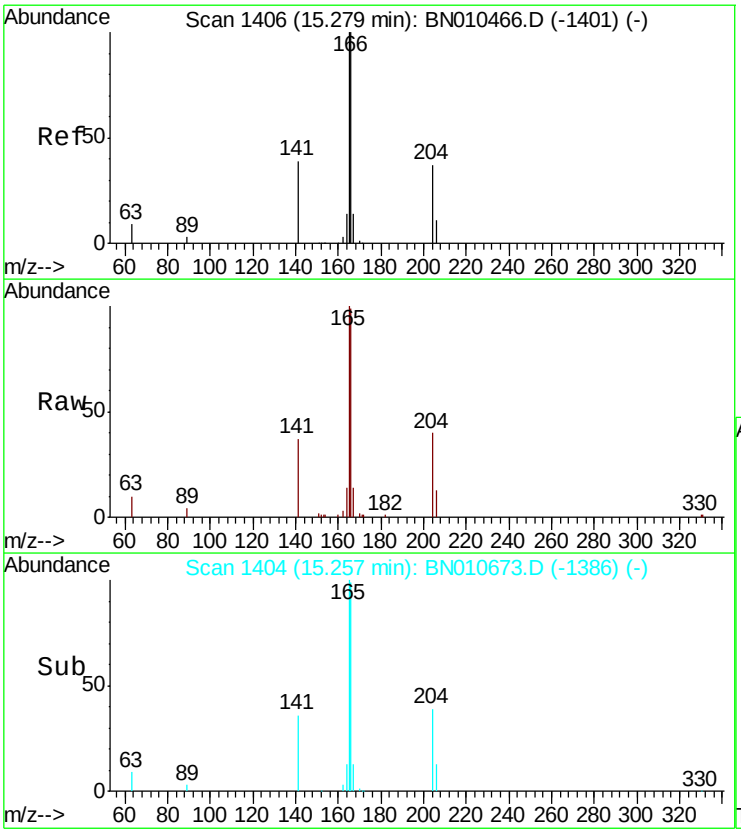
#17
Acenaphthene
Concen: 0.407 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:154 Resp: 9237

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.0	136.4
152	56.3	44.6	67.0

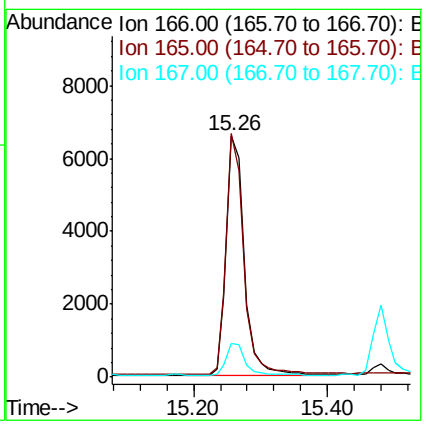


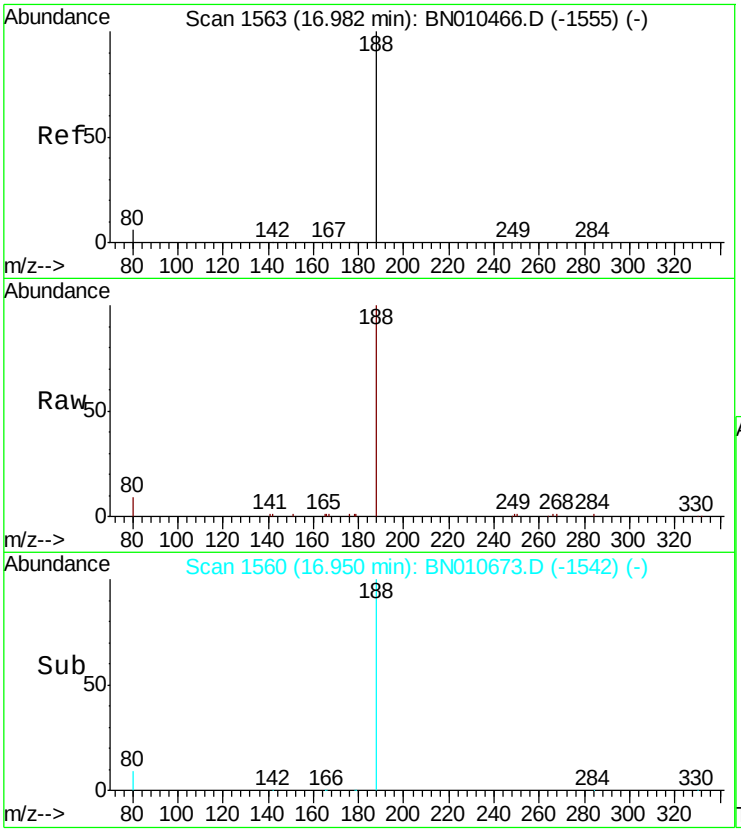


#18
Fluorene
Concen: 0.413 ng
RT: 15.26 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:166 Resp: 12293

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.4	117.6
167	13.4	10.9	16.3



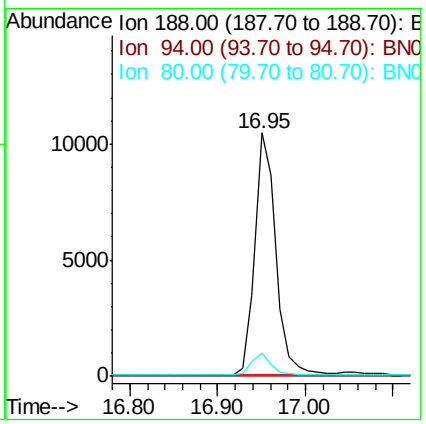


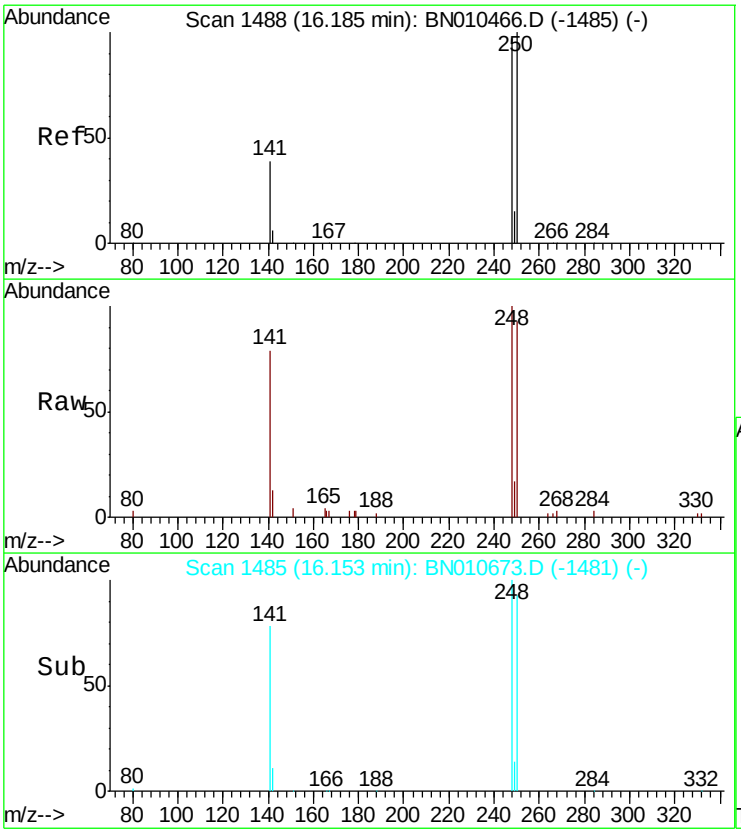
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:188 Resp: 17464

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	5.0	7.6#

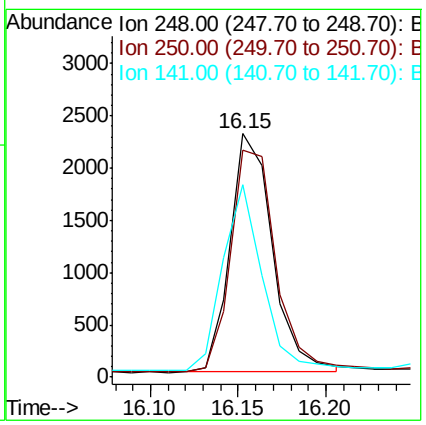


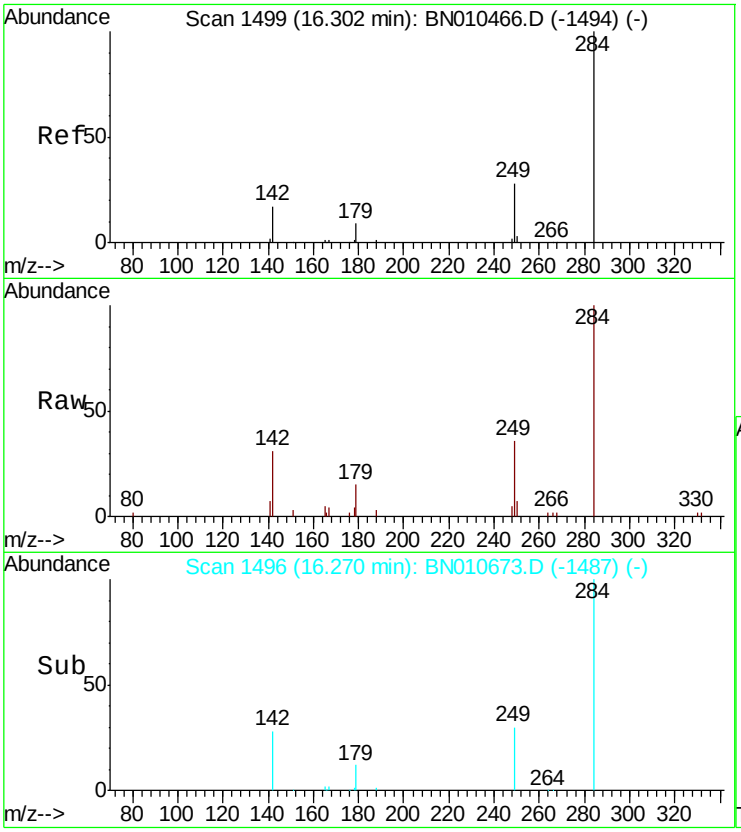


#20
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 16.15 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:248 Resp: 3827

Ion	Ratio	Lower	Upper
248	100		
250	93.3	82.3	123.5
141	79.2	35.2	52.8#



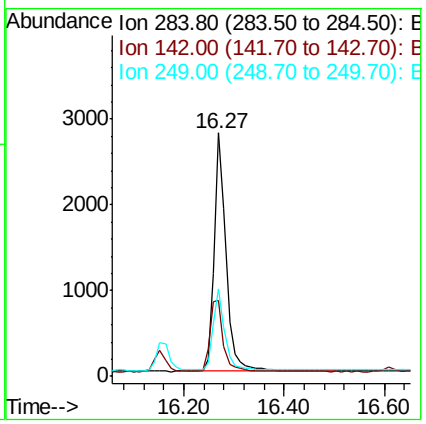


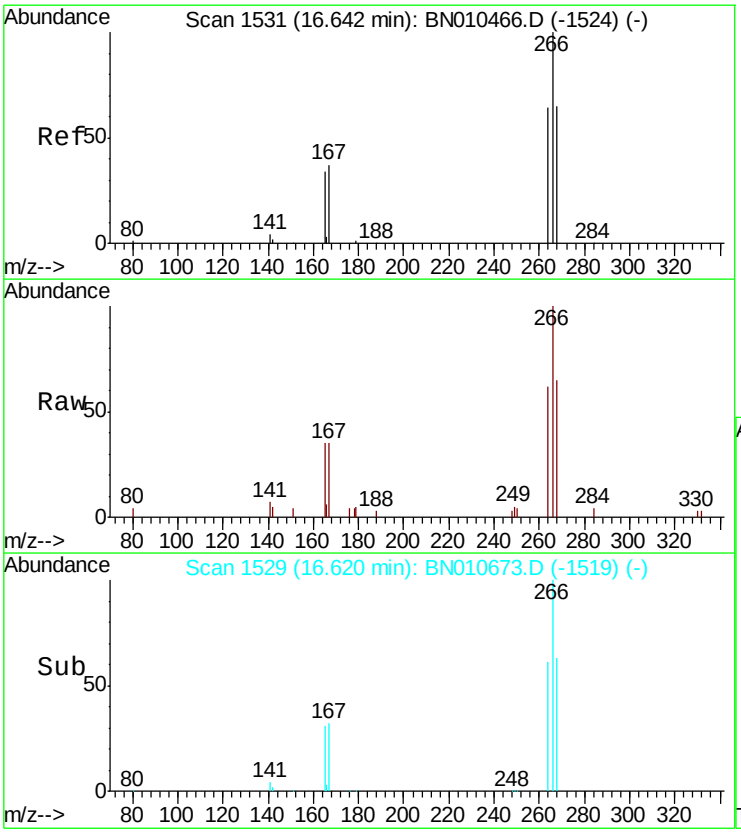
#21
Hexachlorobenzene
Concen: 0.415 ng
RT: 16.27 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:284 Resp: 4598

Ion	Ratio	Lower	Upper
284	100		
142	33.8	25.5	38.3
249	32.9	25.8	38.6

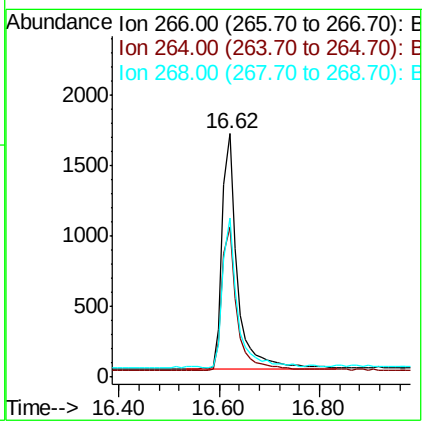


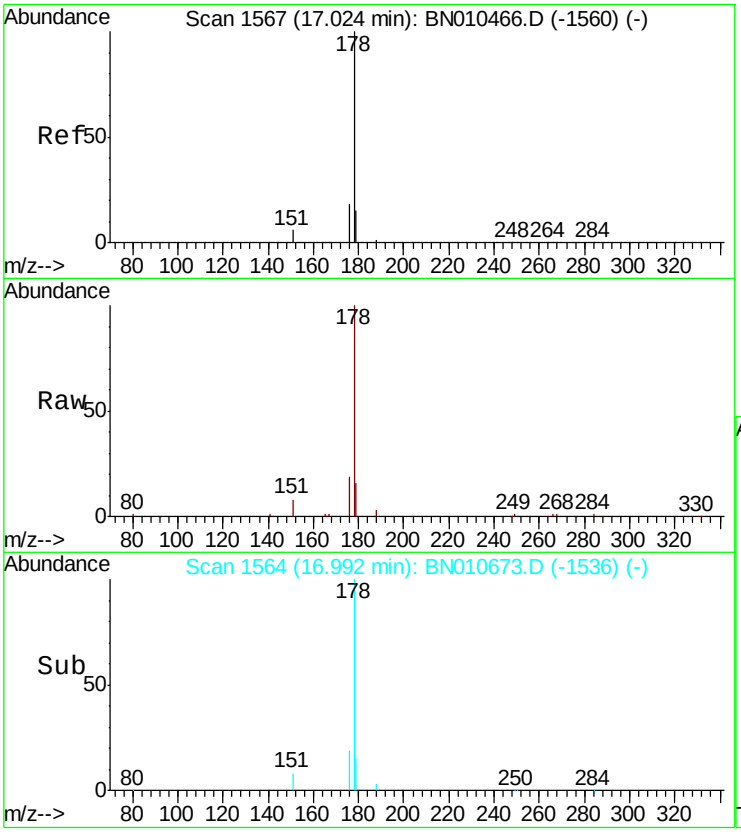


#22
Pentachlorophenol
Concen: 0.794 ng
RT: 16.62 min Scan# 1529
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:266 Resp: 3460

Ion	Ratio	Lower	Upper
266	100		
264	61.5	51.8	77.6
268	65.5	53.7	80.5



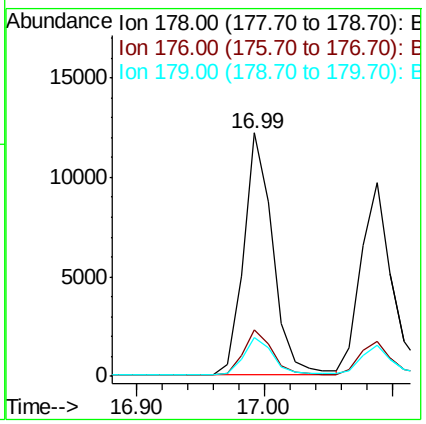


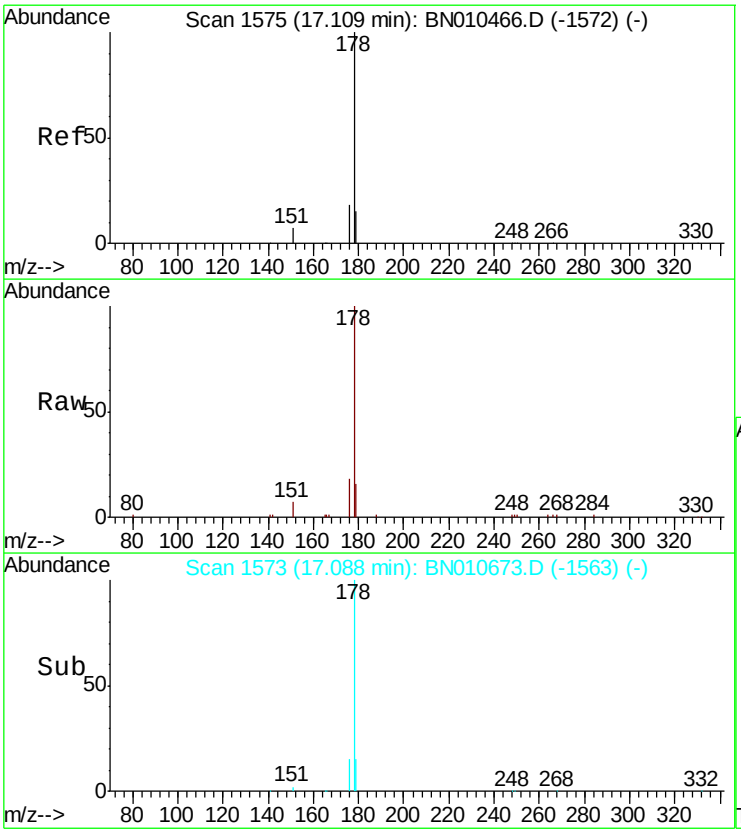
#23
Phenanthrene
Concen: 0.410 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:178 Resp: 19356

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.6	18.8

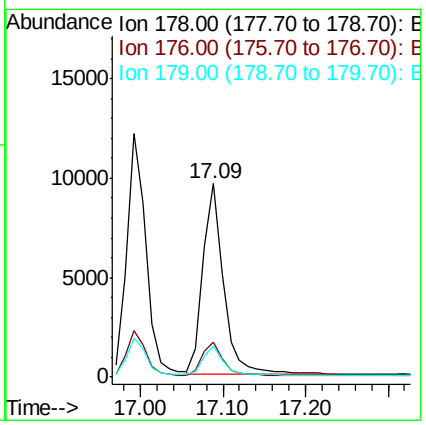


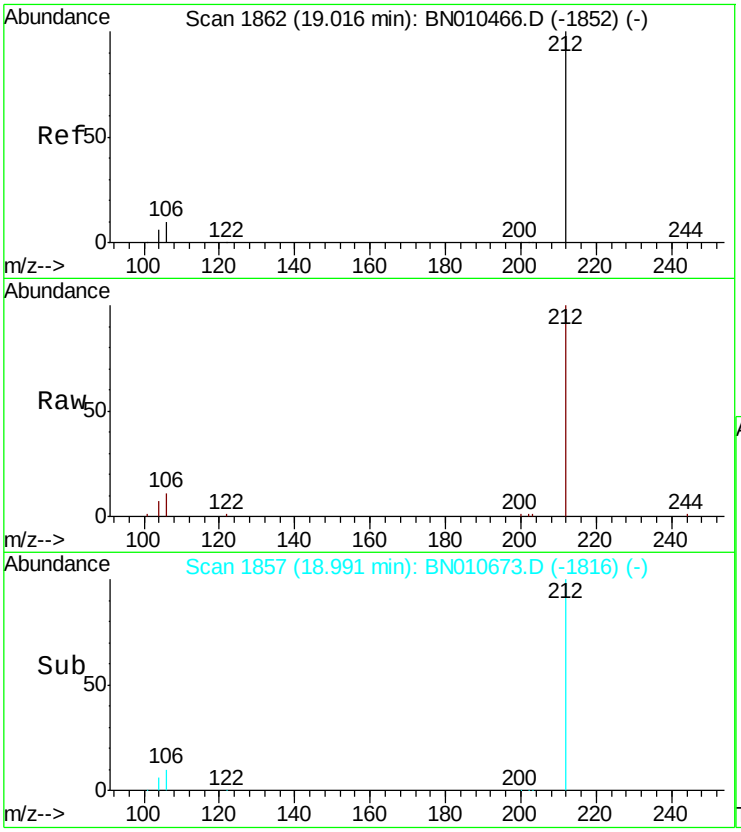


#24
Anthracene
Concen: 0.380 ng
RT: 17.09 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:178 Resp: 16382

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.3	12.2	18.2



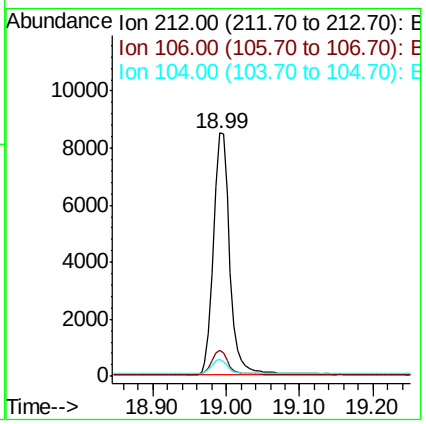


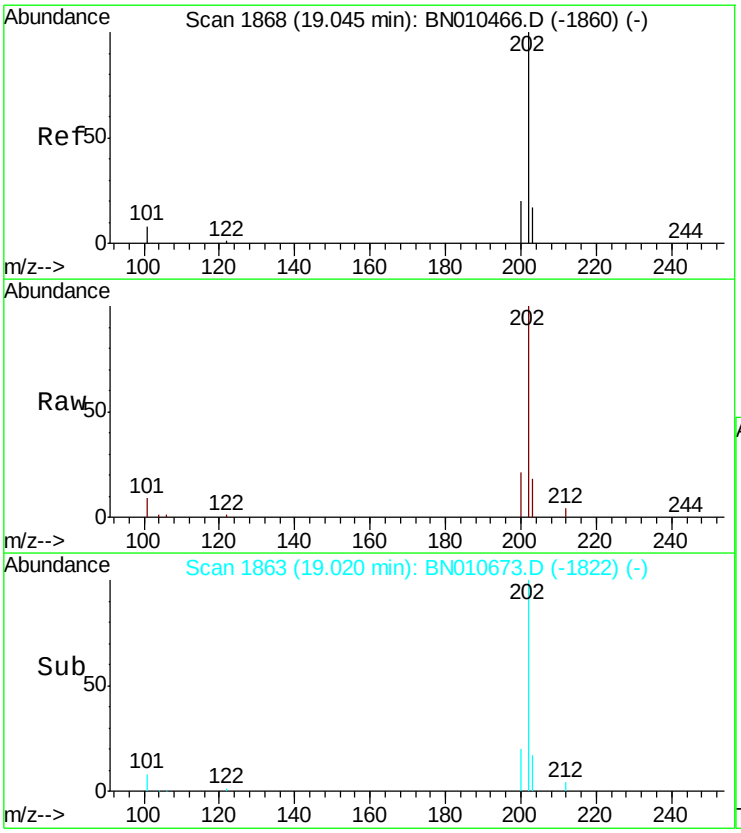
#25
Fluoranthene-d10
Concen: 0.248 ng
RT: 18.99 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:212 Resp: 13134

Ion	Ratio	Lower	Upper
212	100		
106	9.9	7.8	11.6
104	6.1	4.5	6.7

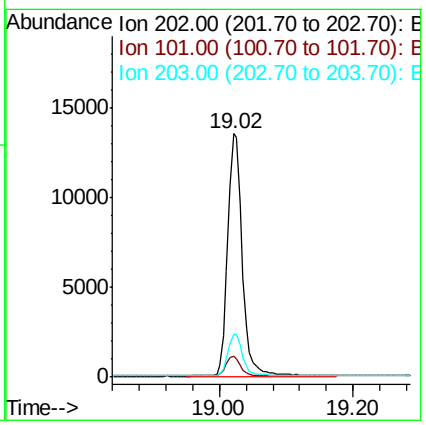


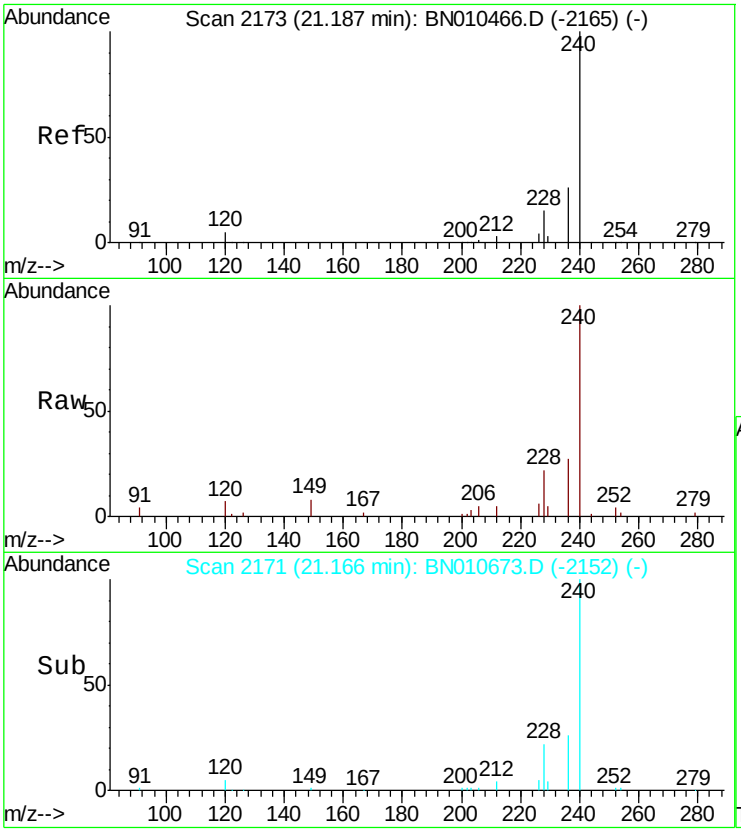


#26
Fluoranthene
Concen: 0.351 ng
RT: 19.02 min Scan# 1863
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:202 Resp: 20606

Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.9	10.3
203	17.2	13.9	20.9



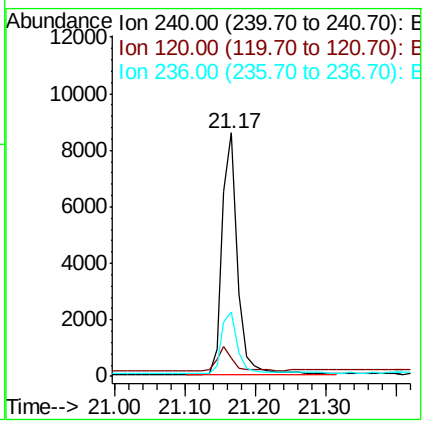


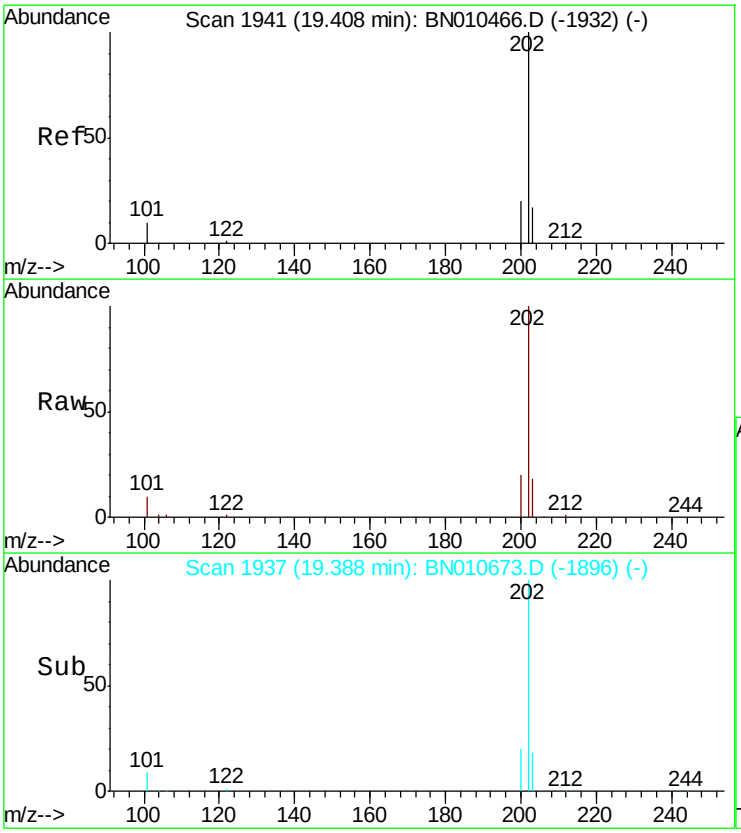
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:240 Resp: 13118

Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.8	7.2#
236	26.6	21.4	32.0

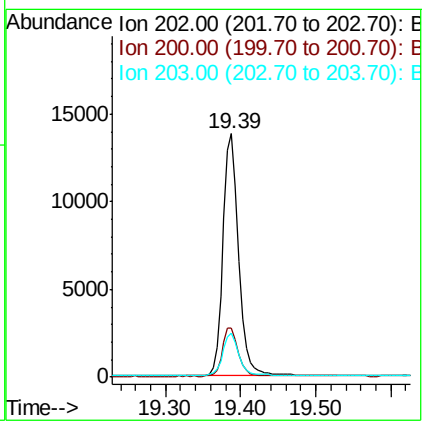


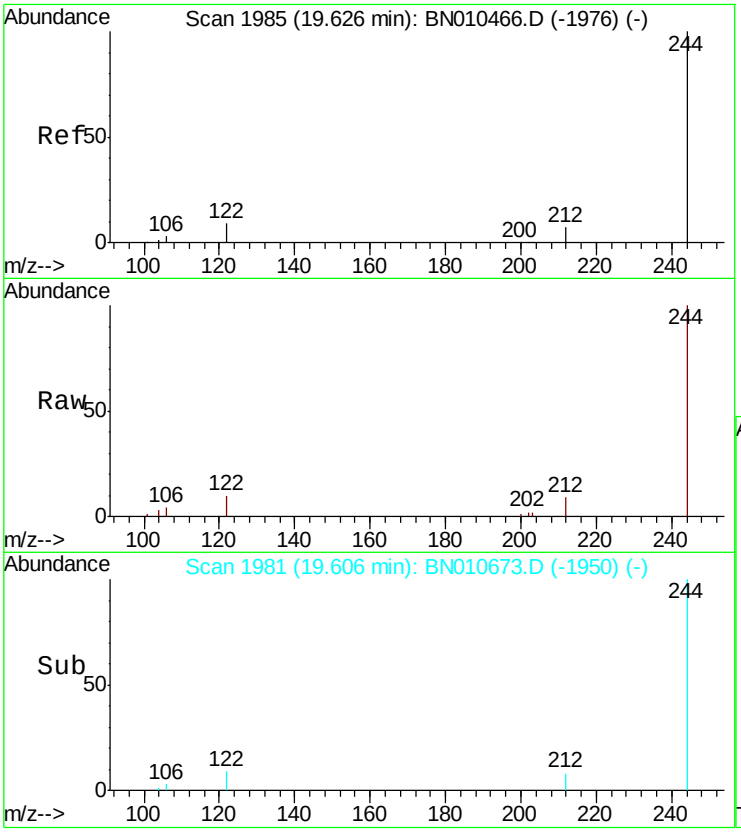


#28
Pyrene
Concen: 0.459 ng
RT: 19.39 min Scan# 1937
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:202 Resp: 20273

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.3	24.5
203	17.9	14.0	21.0



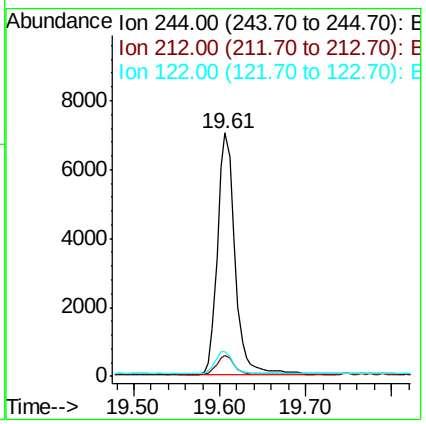


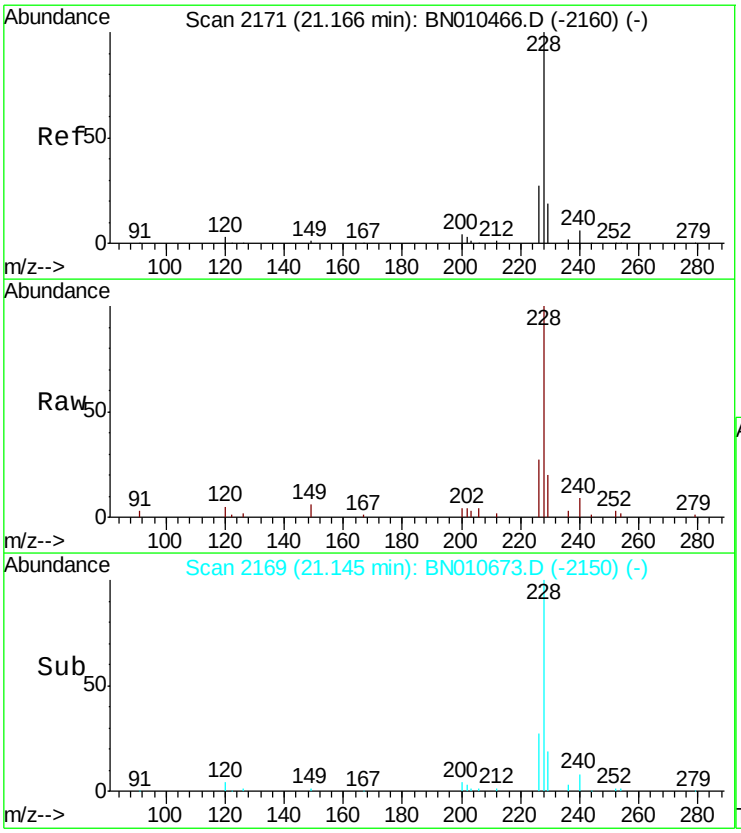
#29
Terphenyl-d14
Concen: 0.336 ng
RT: 19.61 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:244 Resp: 10077

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.4
122	10.4	7.8	11.8

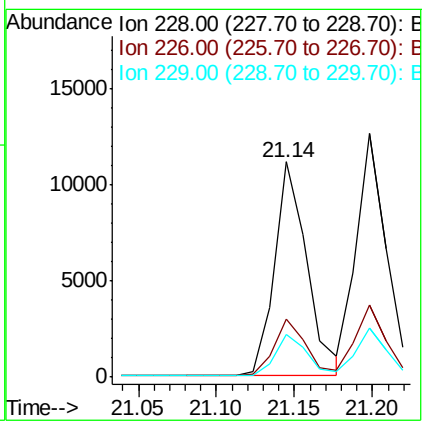


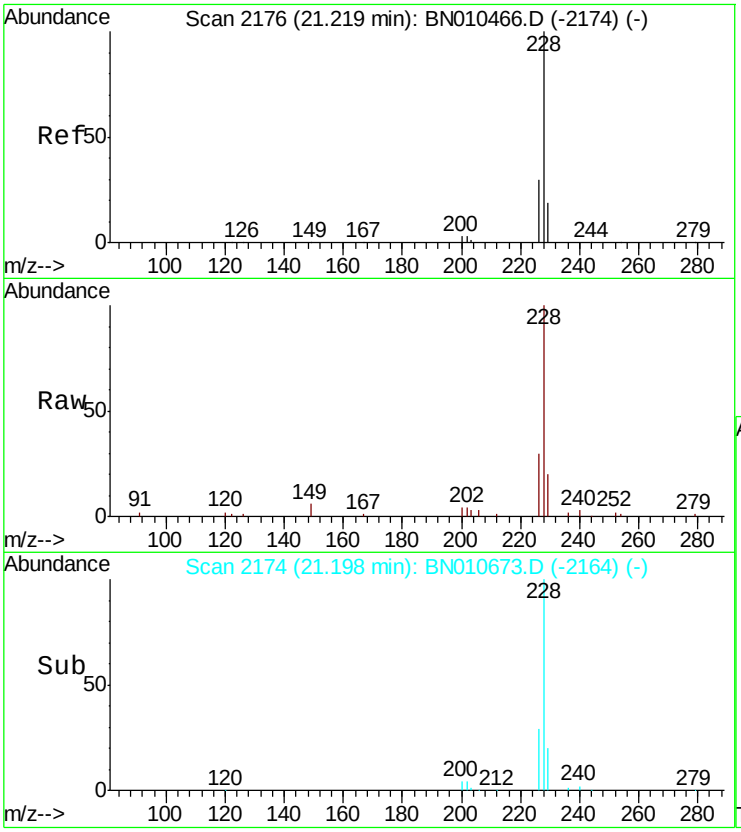


#30
Benzo(a)anthracene
Concen: 0.375 ng
RT: 21.14 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:228 Resp: 16068

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.8	15.6	23.4



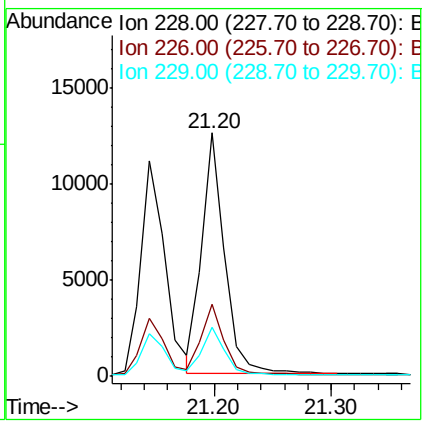


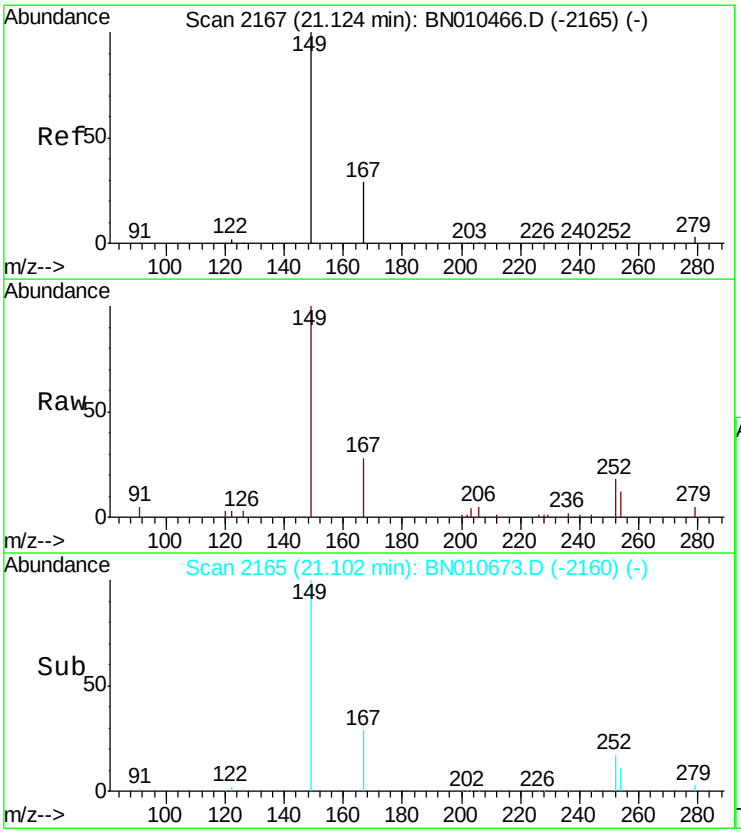
#31
Chrysene
Concen: 0.399 ng
RT: 21.20 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:228 Resp: 17009

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	20.0	15.8	23.6

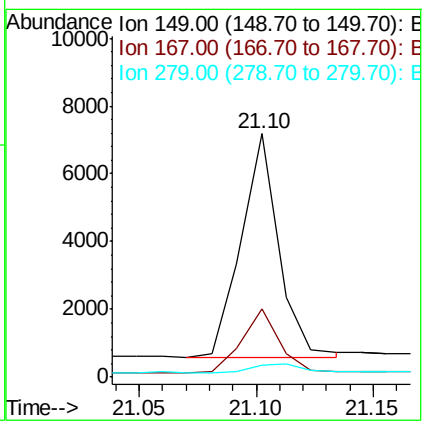


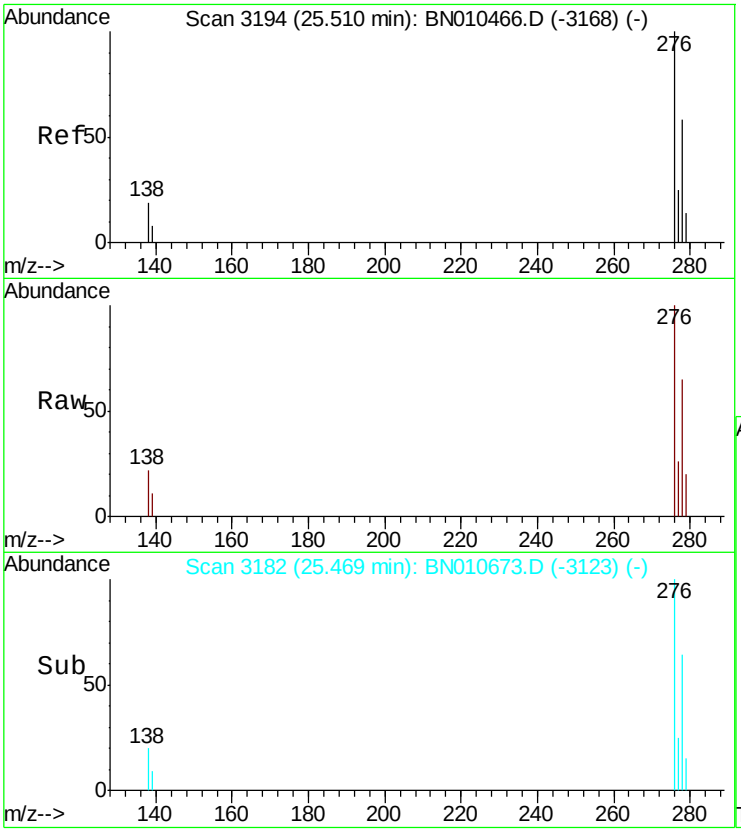


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.335 ng
RT: 21.10 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:149 Resp: 7359

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.4	35.0
279	4.7	4.0	6.0



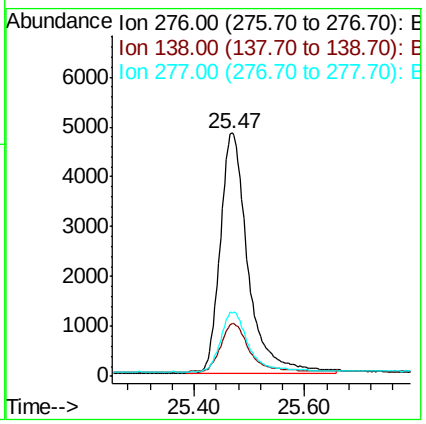


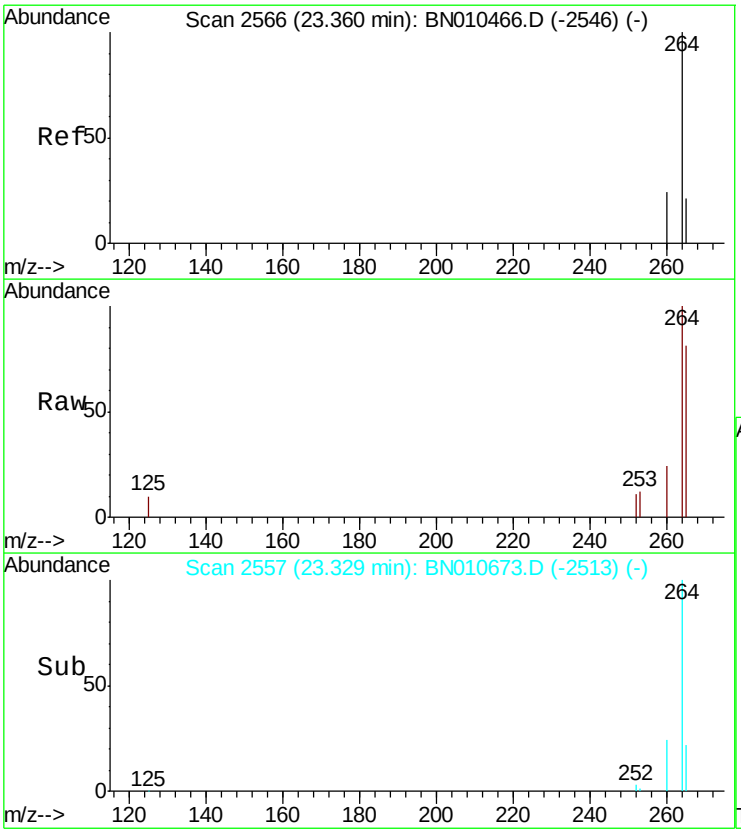
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.450 ng
RT: 25.47 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:276 Resp: 16955

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.4	24.6
277	24.5	19.8	29.6

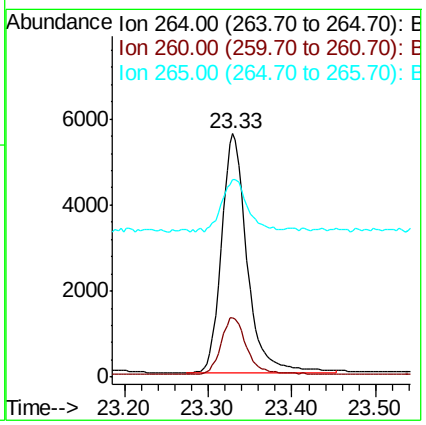


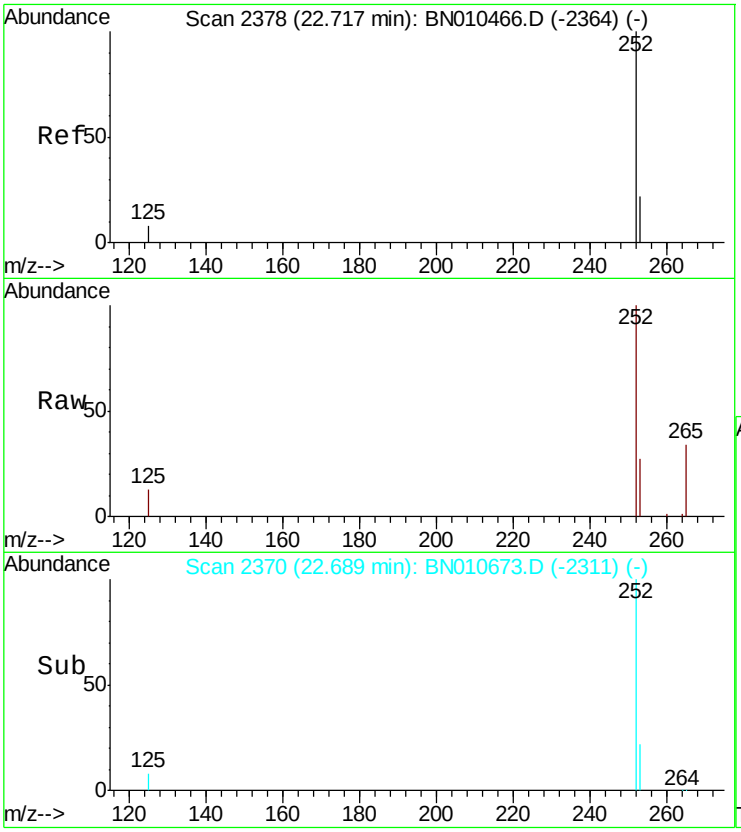


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.33 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:264 Resp: 11702

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	81.1	42.3	63.5#



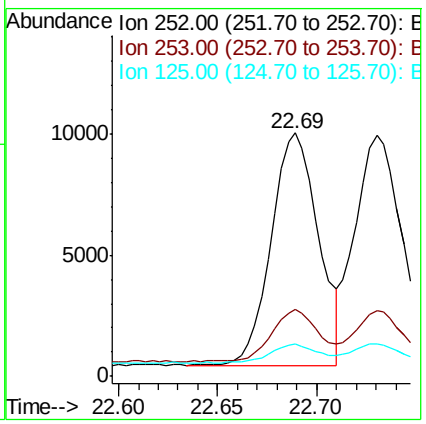


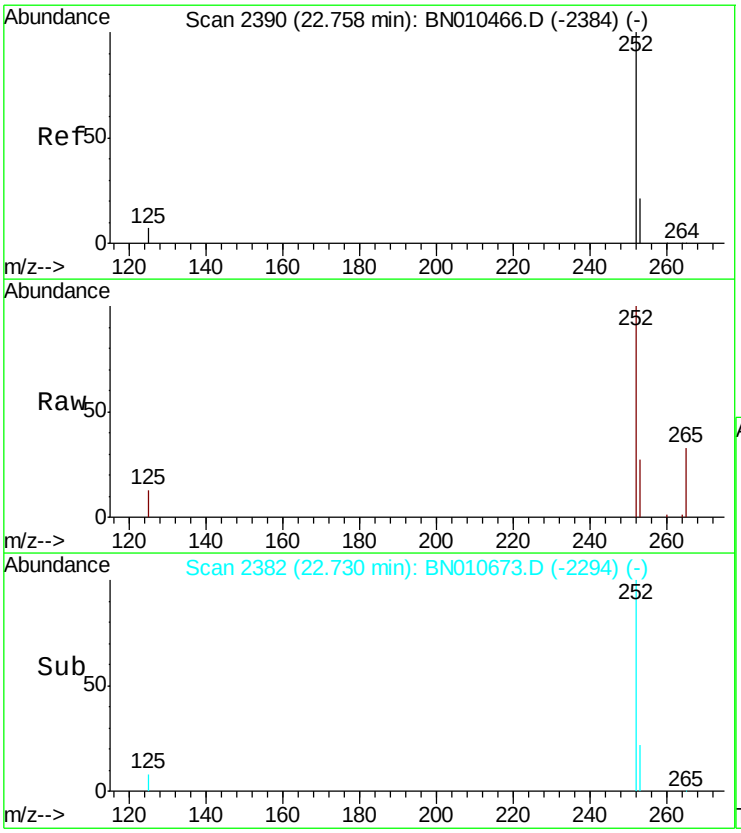
#35
Benzo(b)fluoranthene
Concen: 0.411 ng
RT: 22.69 min Scan# 2370
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:252 Resp: 15831

Ion	Ratio	Lower	Upper
252	100		
253	27.3	20.2	30.4
125	13.3	9.2	13.8

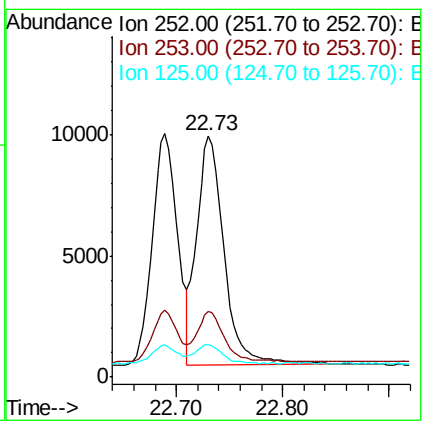


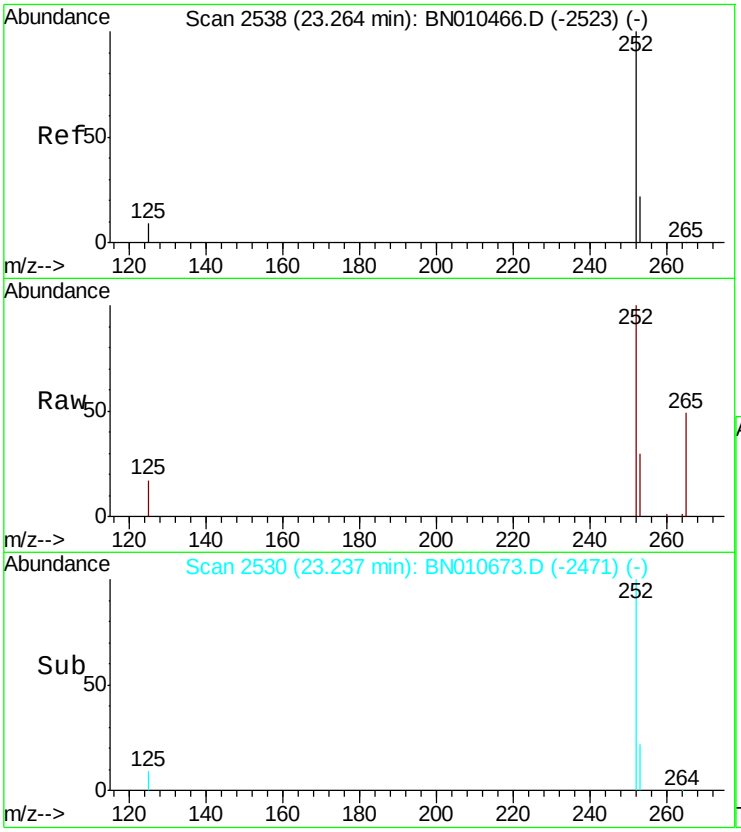


#36
Benzo(k)fluoranthene
Concen: 0.434 ng
RT: 22.73 min Scan# 2382
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:252 Resp: 16750

Ion	Ratio	Lower	Upper
252	100		
253	27.2	20.1	30.1
125	13.3	9.6	14.4



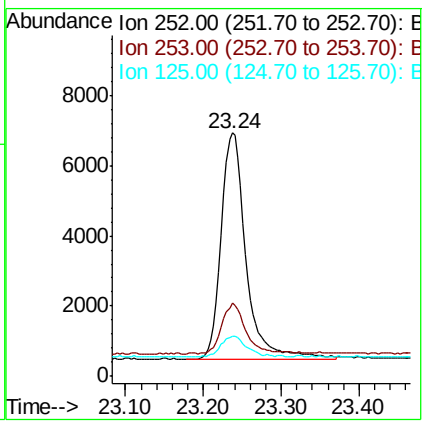


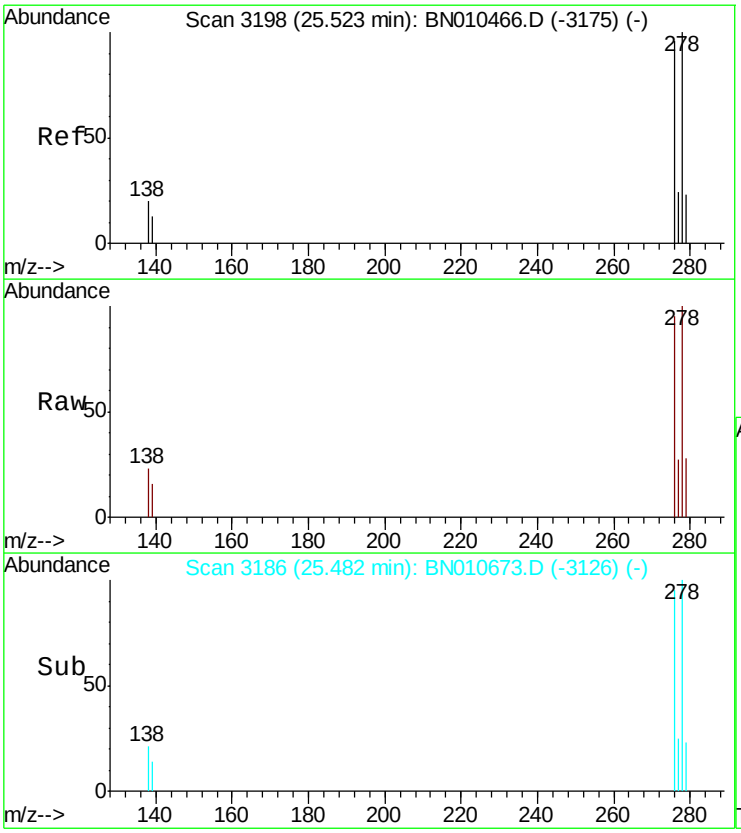
#37
Benzo(a)pyrene
Concen: 0.417 ng
RT: 23.24 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:252 Resp: 14215

Ion	Ratio	Lower	Upper
252	100		
253	29.9	21.8	32.8
125	16.5	11.0	16.6

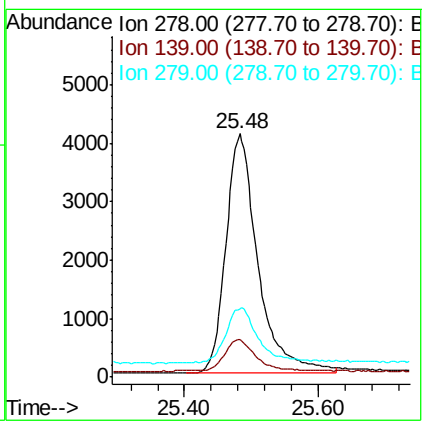


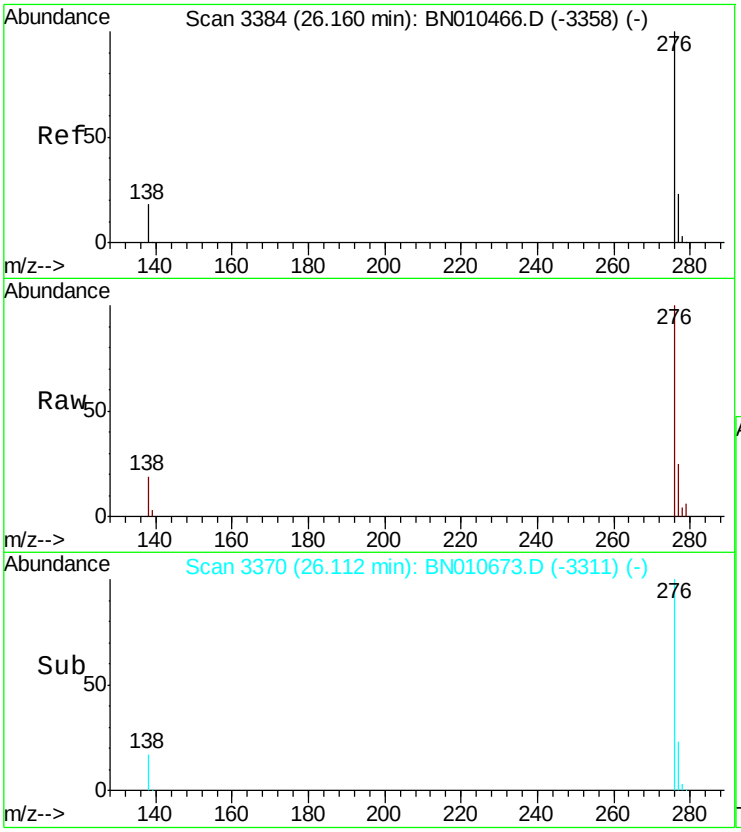


#38
Dibenzo(a,h)anthracene
Concen: 0.437 ng
RT: 25.48 min Scan# 3186
Delta R.T. 0.01 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Tgt Ion:278 Resp: 13640

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.3	18.5
279	28.2	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.483 ng
RT: 26.11 min Scan# 3370
Delta R.T. 0.00 min
Lab File: BN010673.D
Acq: 30 Apr 2020 14:26

Instrument :
BNA_N
ClientSampleId :
PB128575BS

Tgt Ion:276 Resp: 15173

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.2	30.2
138	19.4	15.4	23.2