Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041520\
Data File : BN010506.D
Acq On : 15 Apr 2020 13:59
Operator : CG/JU
Sample : L2178-01RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MW-4IRE

Quant Time: Apr 15 15:54:44 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	5164	0.40	ng		0.00
7) Naphthalene-d8	10.35	136	20609	0.40	ng		-0.01
13) Acenaphthene-d10	14.22	164	13132	0.40	ng		-0.01
19) Phenanthrene-d10	16.97	188	30452	0.40	ng		-0.01
27) Chrysene-d12	21.18	240	27212	0.40	ng		-0.01
34) Perylene-d12	23.35	264	24478	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	2517	0.22	ng		0.00
5) Phenol-d6	6.79	99	1909	0.13	ng		0.00
8) Nitrobenzene-d5	8.73	82	11406	0.79	ng		-0.01
11) 2-Methylnaphthalene-d10	11.95	152	14011	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.72	330	3470	0.56	ng		0.00
15) 2-Fluorobiphenyl	12.84	172	40759	0.85	ng		-0.01
25) Fluoranthene-d10	19.01	212	38557	0.42	ng		0.00
29) Terphenyl-d14	19.62	244	56328	0.90	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.41	128	21165	0.414	ng		99
12) 2-Methylnaphthalene	12.03	142	9474	0.258	ng		99
17) Acenaphthene	14.29	154	110372	3.028	ng		99
18) Fluorene	15.28	166	88362	1.851	ng		98
23) Phenanthrene	17.01	178	496631	6.038	ng		100
24) Anthracene	17.10	178	109539	1.457	ng	#	95
26) Fluoranthene	19.04	202	237417	2.319	ng		100
28) Pyrene	19.40	202	162807	1.777	ng	#	92
30) Benzo(a)anthracene	21.16	228	15474	0.174	ng	#	87
31) Chrysene	21.21	228	10760	0.122	ng	#	79
32) Bis(2-ethylhexyl)phthalate	21.11	149	3917	0.086	ng		99
33) Indeno(1,2,3-cd)pyrene	25.50	276	2065	0.026	ng		96
35) Benzo(b)fluoranthene	22.71	252	3346	0.042	ng	#	33
36) Benzo(k)fluoranthene	22.75	252	2722	0.034	ng	#	1
37) Benzo(a)pyrene	23.25	252	2527	0.035	ng	#	12
38) Dibenzo(a,h)anthracene	25.51	278	1627	0.025	ng	#	29
39) Benzo(g,h,i)perylene	26.14	276	2015	0.031	ng	#	70

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

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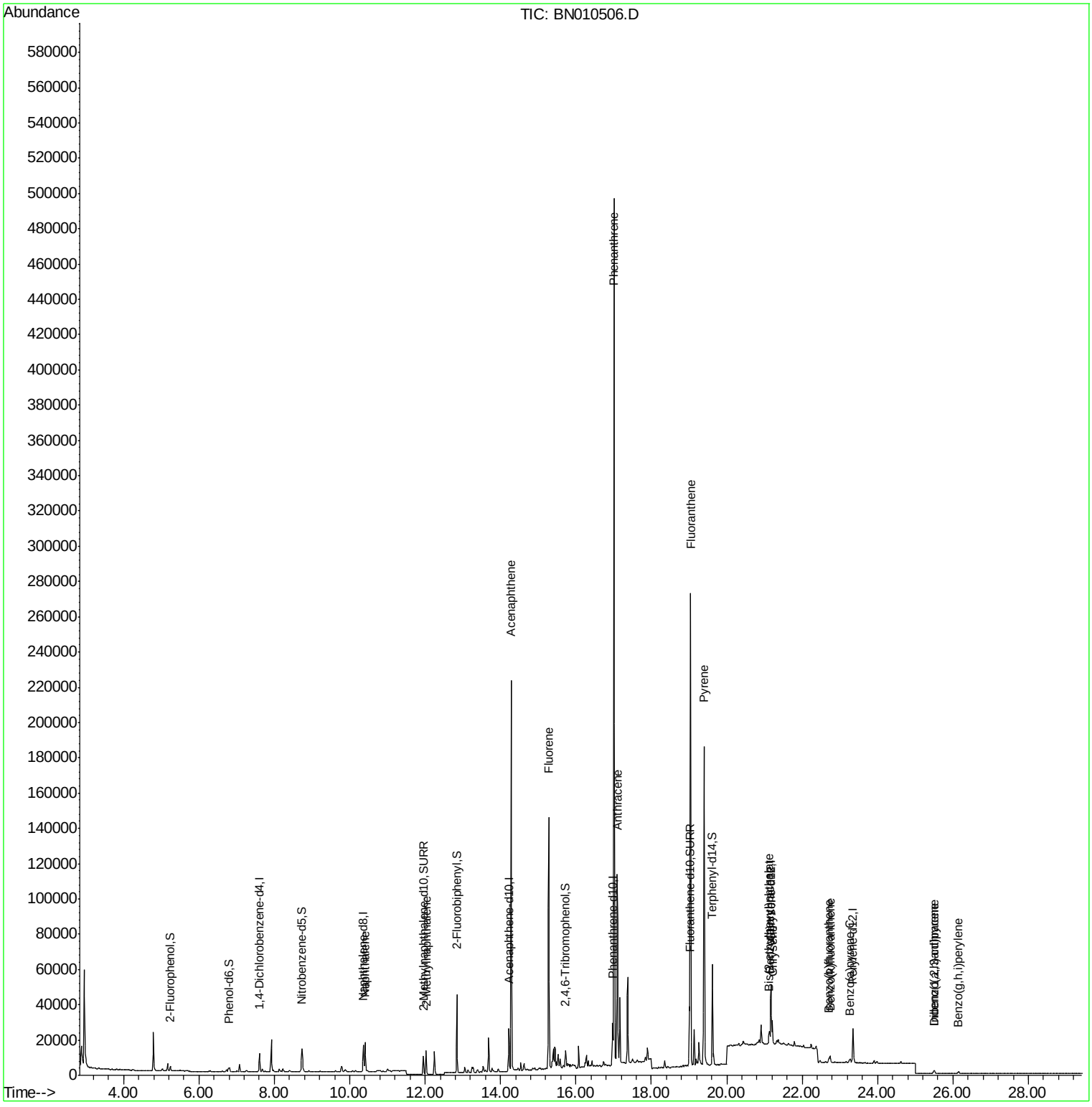
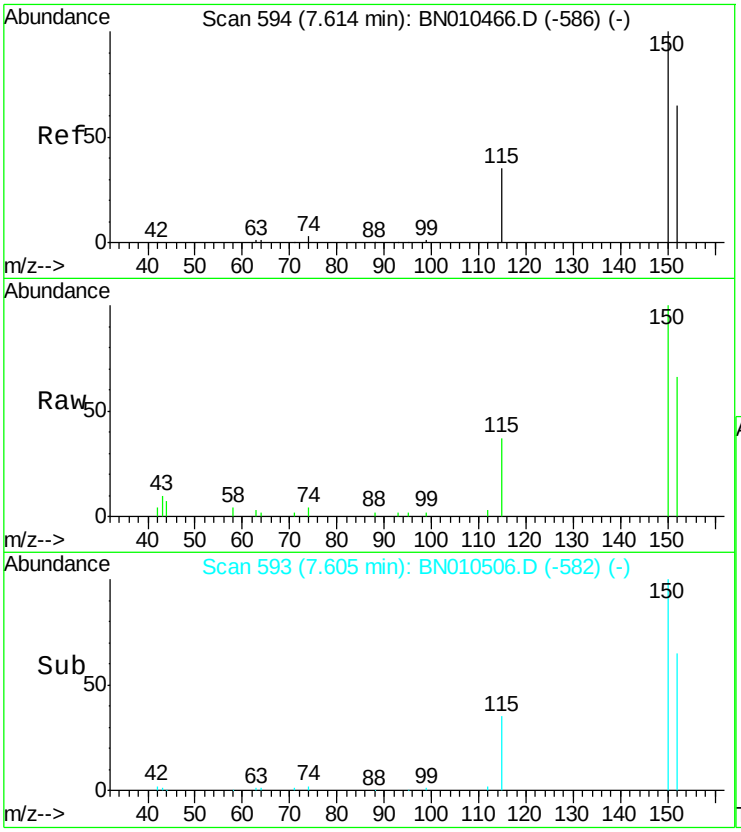


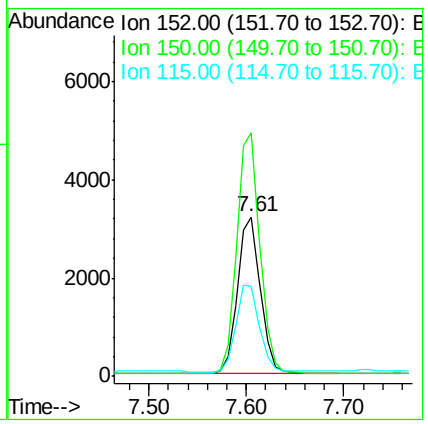


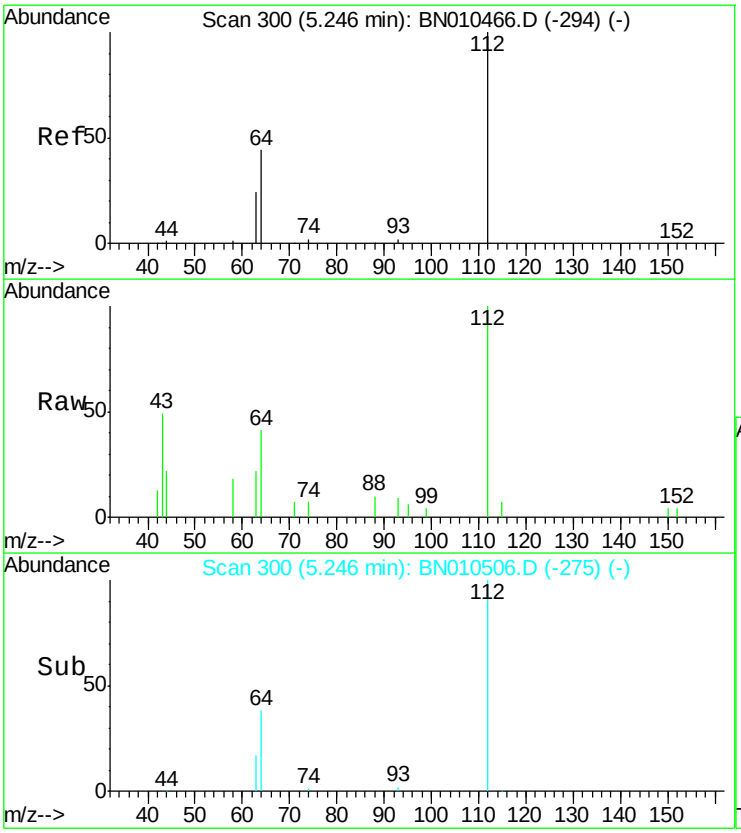
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.61 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:152 Resp: 5164

Ion	Ratio	Lower	Upper
152	100		
150	152.5	121.8	182.6
115	56.3	45.5	68.3

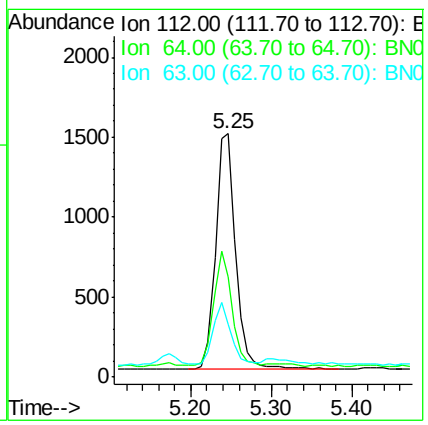


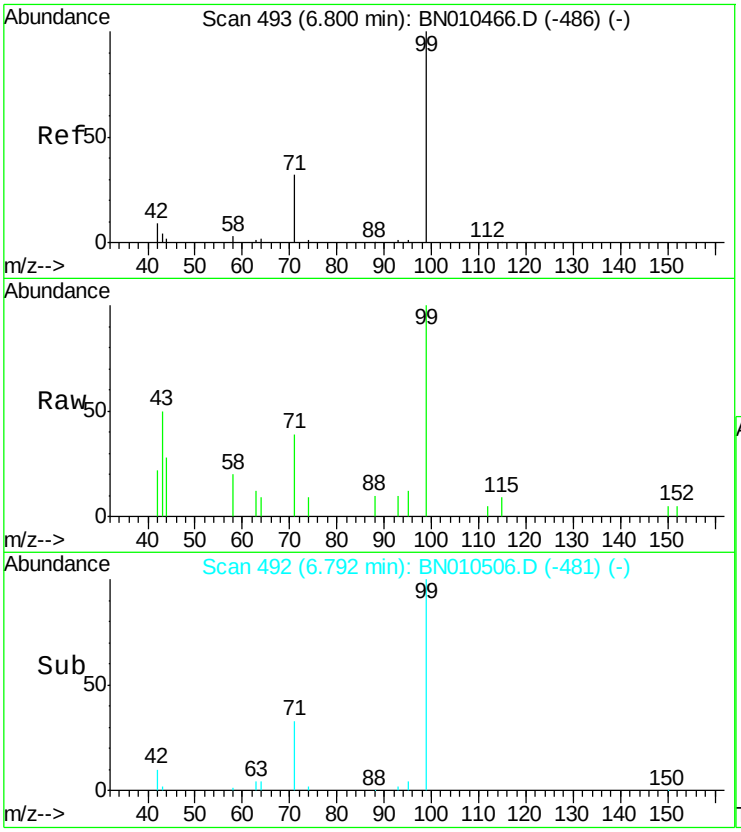


#4
2-Fluorophenol
Concen: 0.223 ng
RT: 5.25 min Scan# 300
Delta R.T. -0.00 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:112 Resp: 2517

Ion	Ratio	Lower	Upper
112	100		
64	45.8	35.8	53.8
63	23.2	19.9	29.9



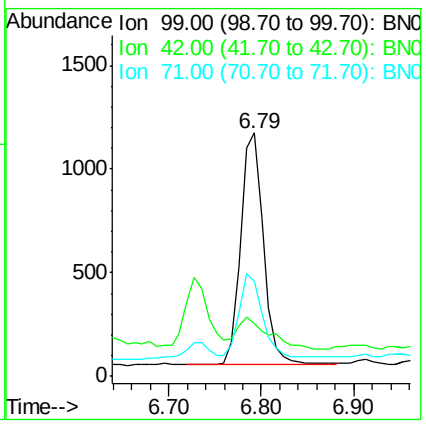


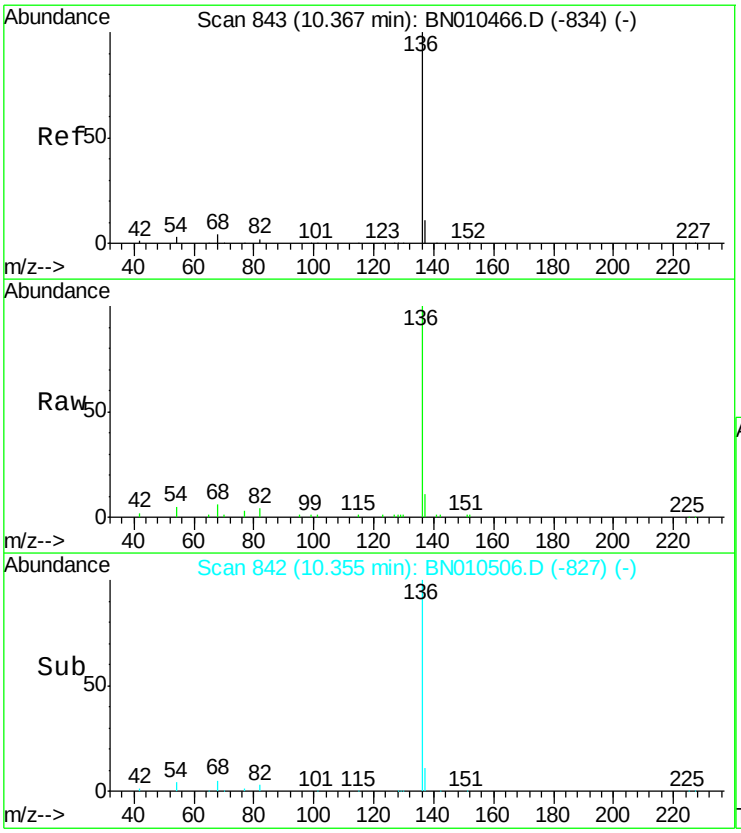
#5
Phenol-d6
Concen: 0.129 ng
RT: 6.79 min Scan# 492
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion: 99 Resp: 1909

Ion	Ratio	Lower	Upper
99	100		
42	19.0	9.8	14.6#
71	36.2	27.8	41.8

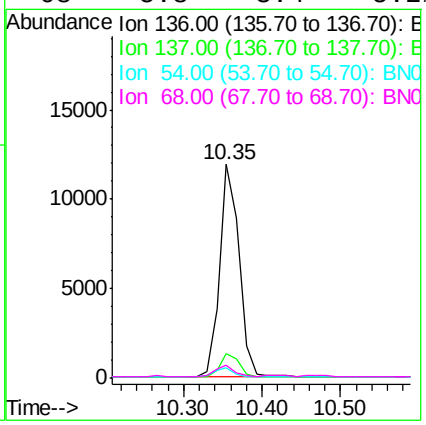


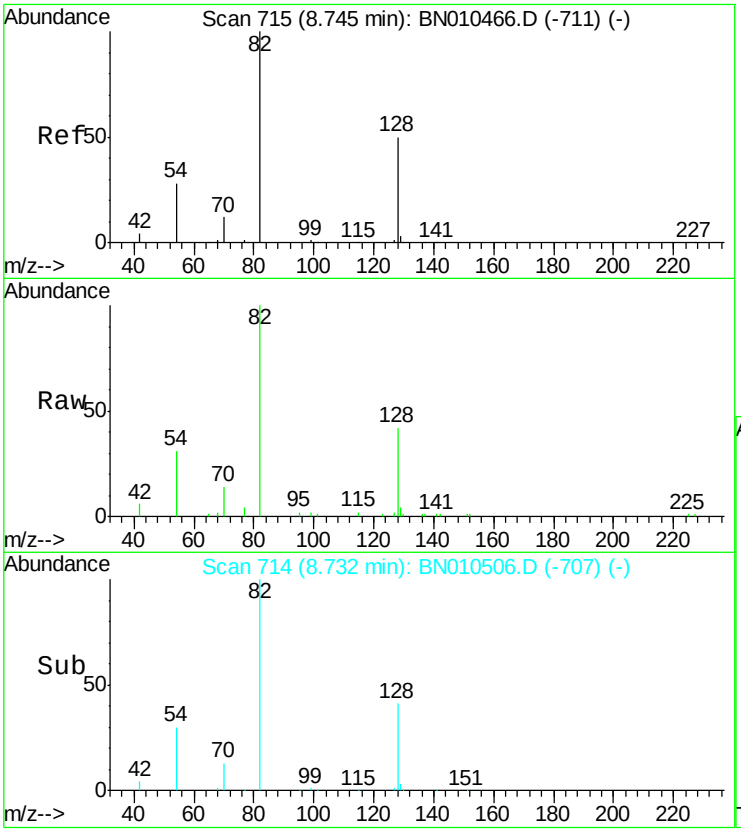


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:136 Resp: 20609

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	4.7	2.6	4.0#
68	5.8	3.4	5.2#



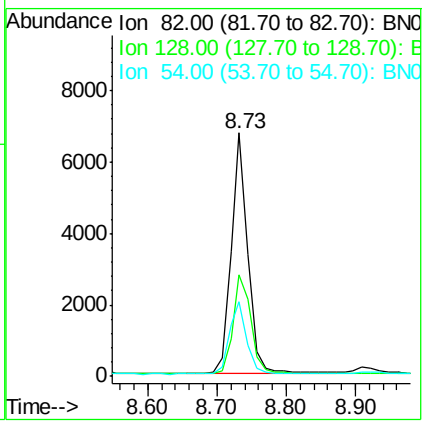


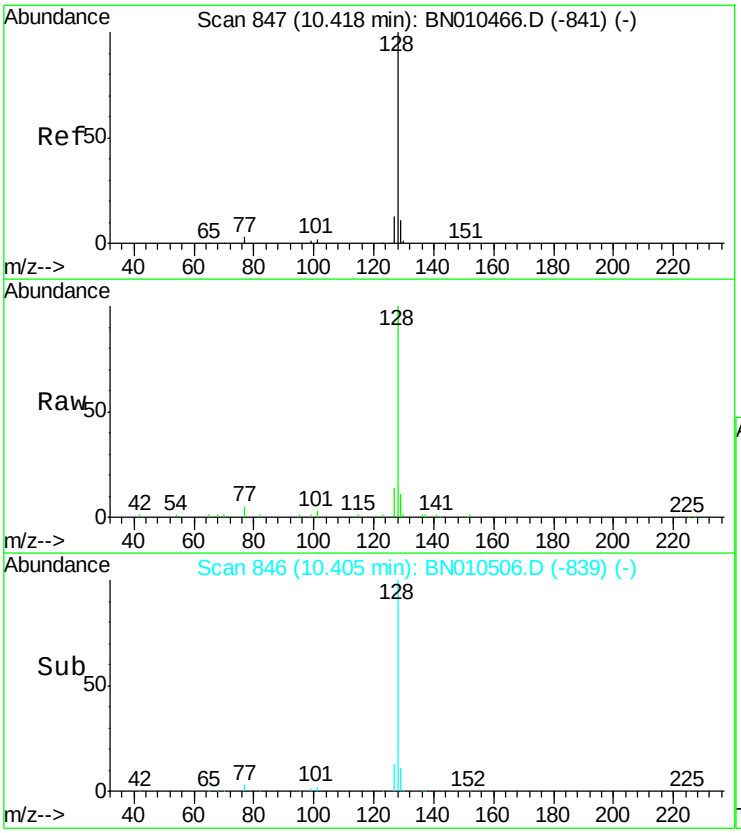
#8
Nitrobenzene-d5
Concen: 0.792 ng
RT: 8.73 min Scan# 714
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion: 82 Resp: 11406

Ion	Ratio	Lower	Upper
82	100		
128	42.0	41.3	61.9
54	30.9	23.4	35.0

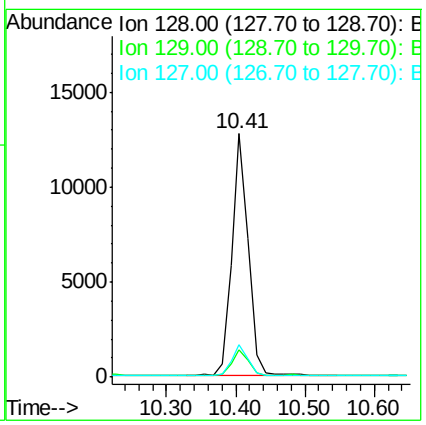


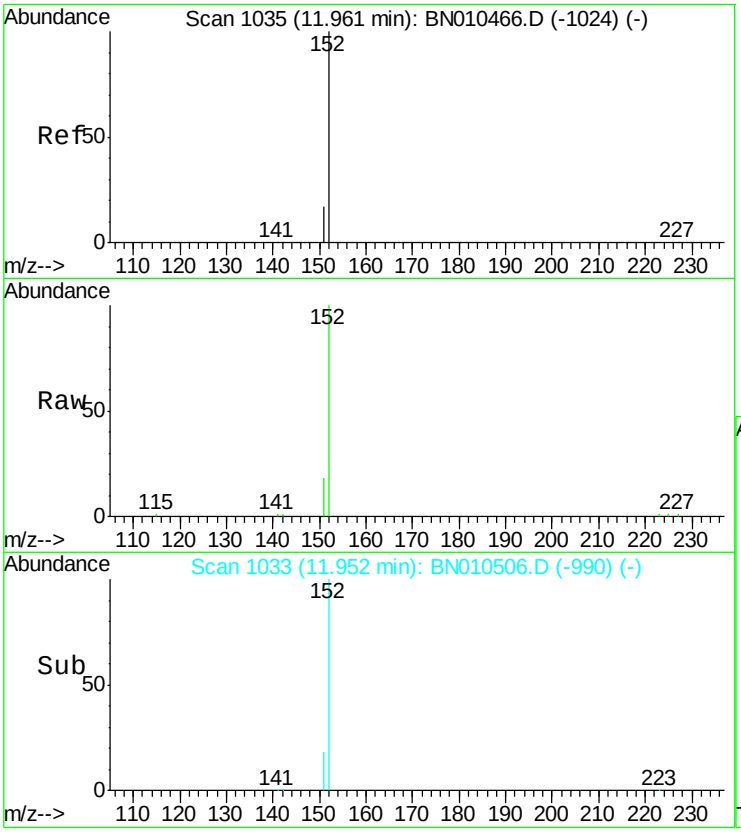


#9
Naphthalene
Concen: 0.414 ng
RT: 10.41 min Scan# 846
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:128 Resp: 21165

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.6	10.5	15.7



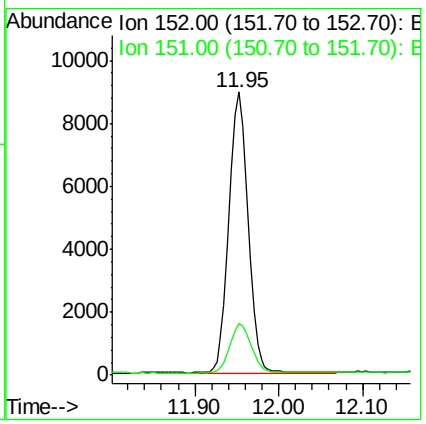


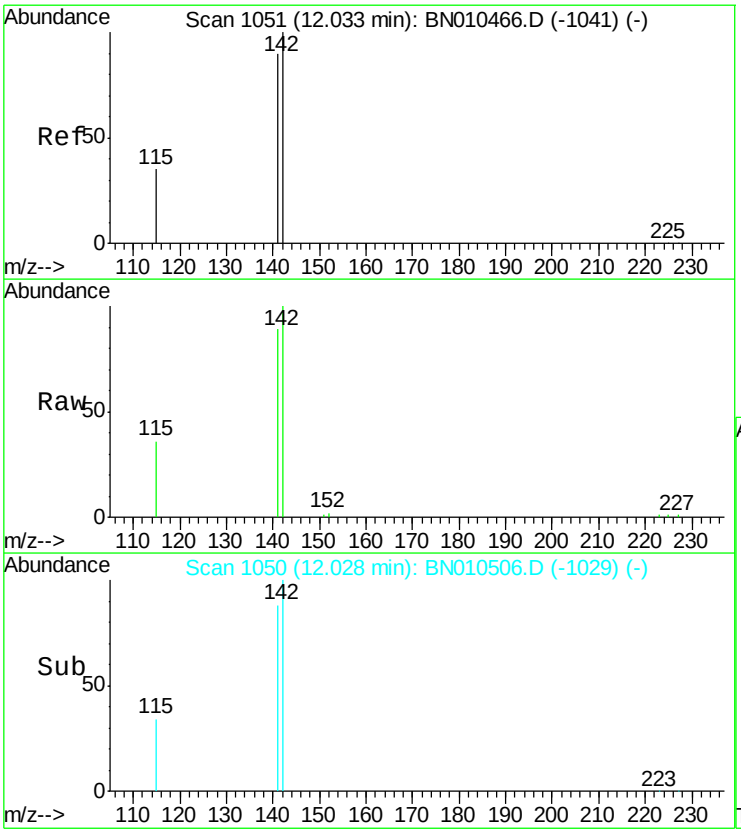
#11
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 11.95 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:152 Resp: 14011

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.3	22.9

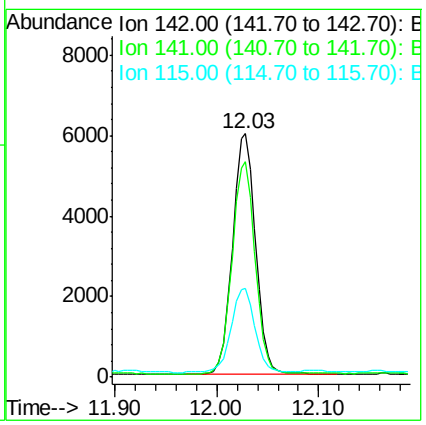


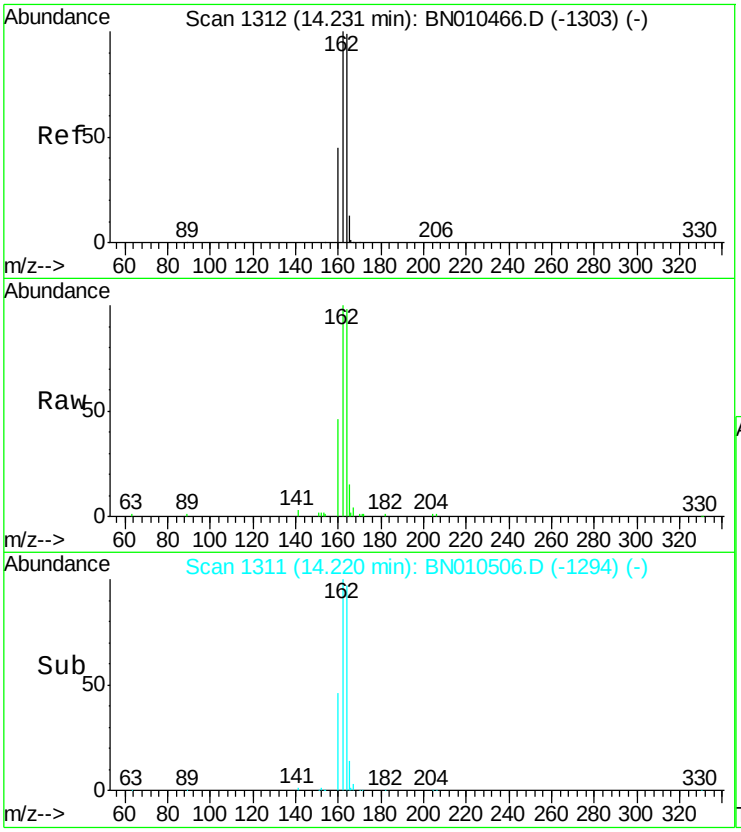


#12
2-Methylnaphthalene
Concen: 0.258 ng
RT: 12.03 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:142 Resp: 9474

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.9	107.9
115	36.2	28.8	43.2



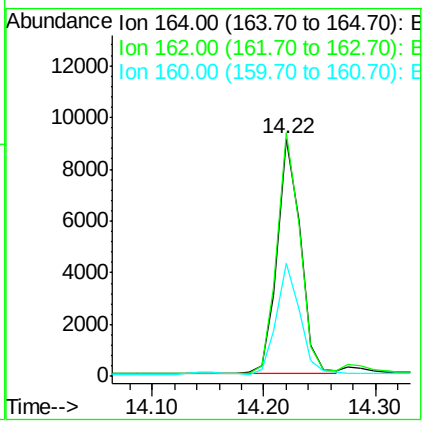


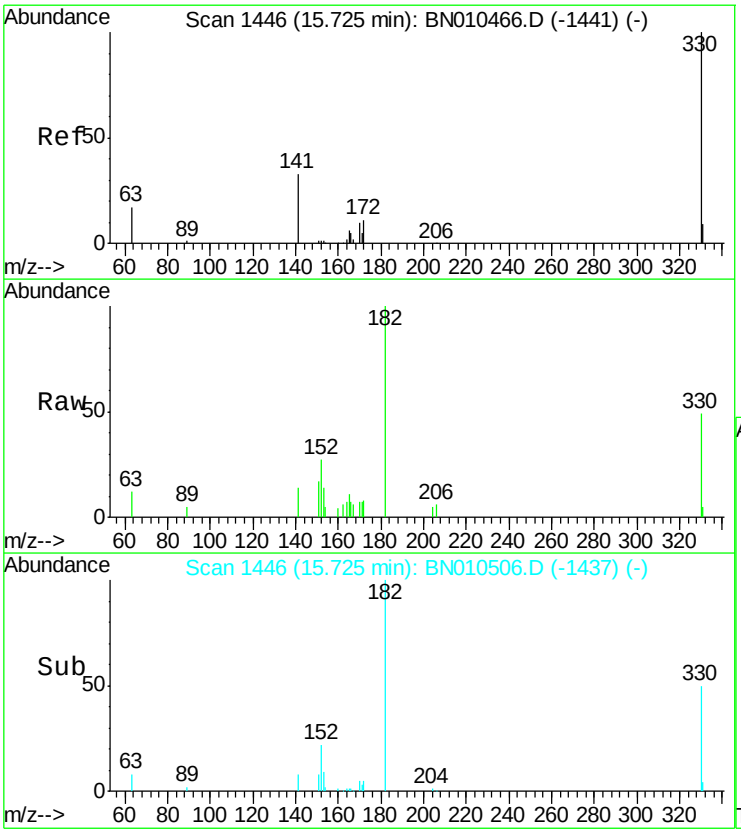
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.22 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:164 Resp: 13132

Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	121.0
160	47.4	36.5	54.7

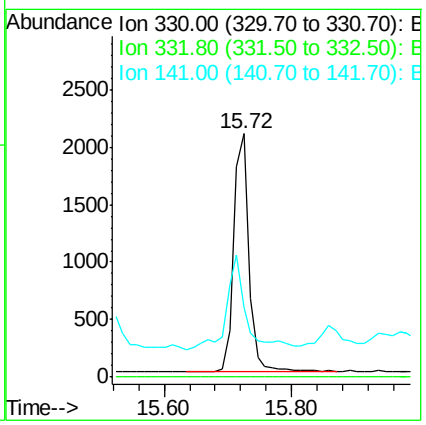


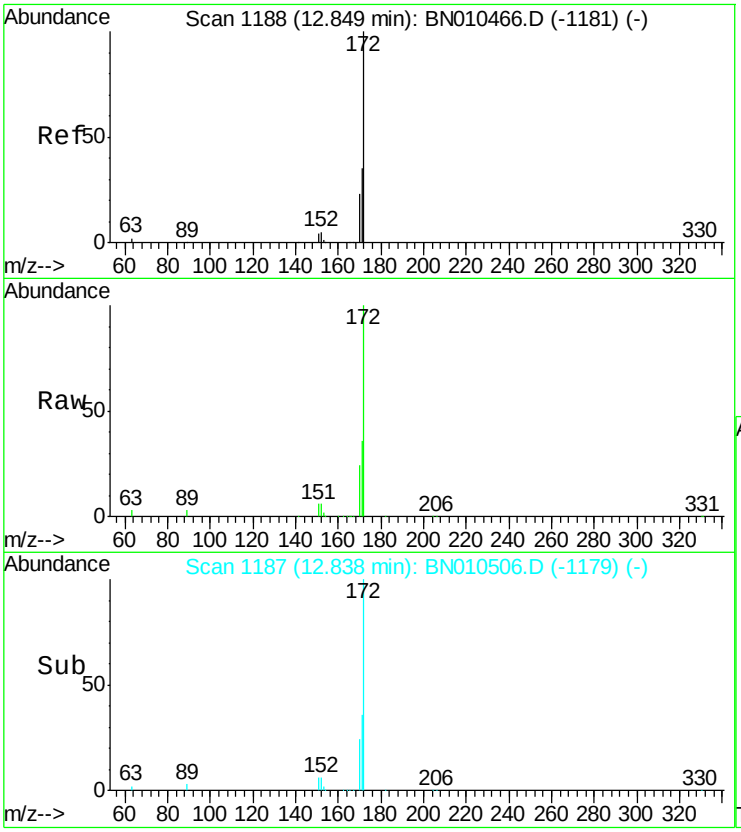


#14
2,4,6-Tribromophenol
Concen: 0.561 ng
RT: 15.72 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:330 Resp: 3470

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	49.8	28.1	42.1#



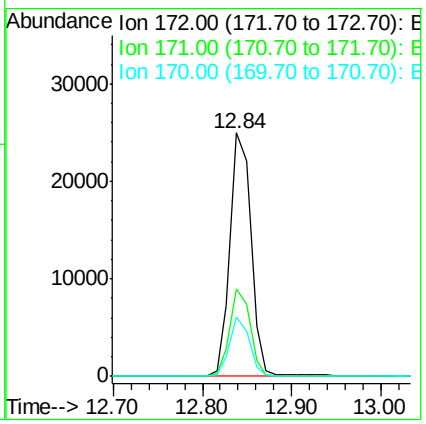


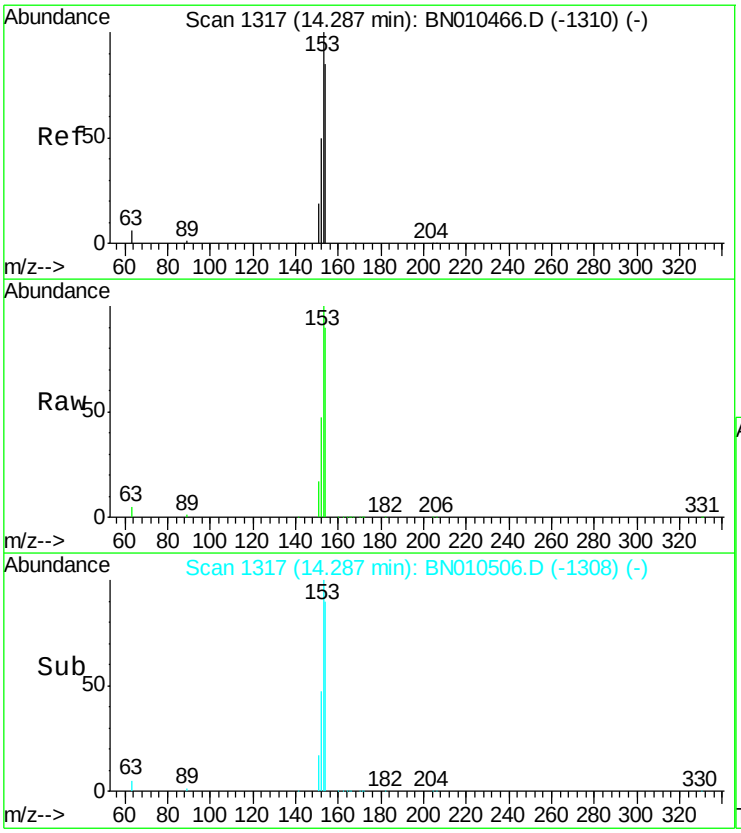
#15
2-Fluorobiphenyl
Concen: 0.853 ng
RT: 12.84 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:172 Resp: 40759

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	24.3	18.4	27.6

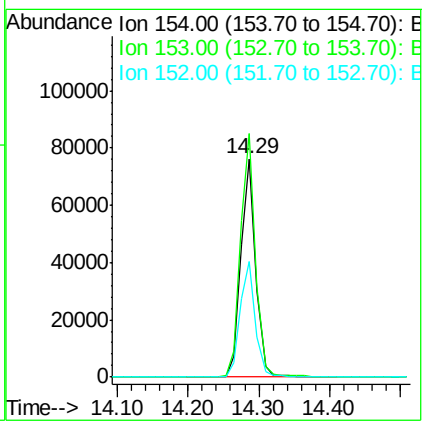


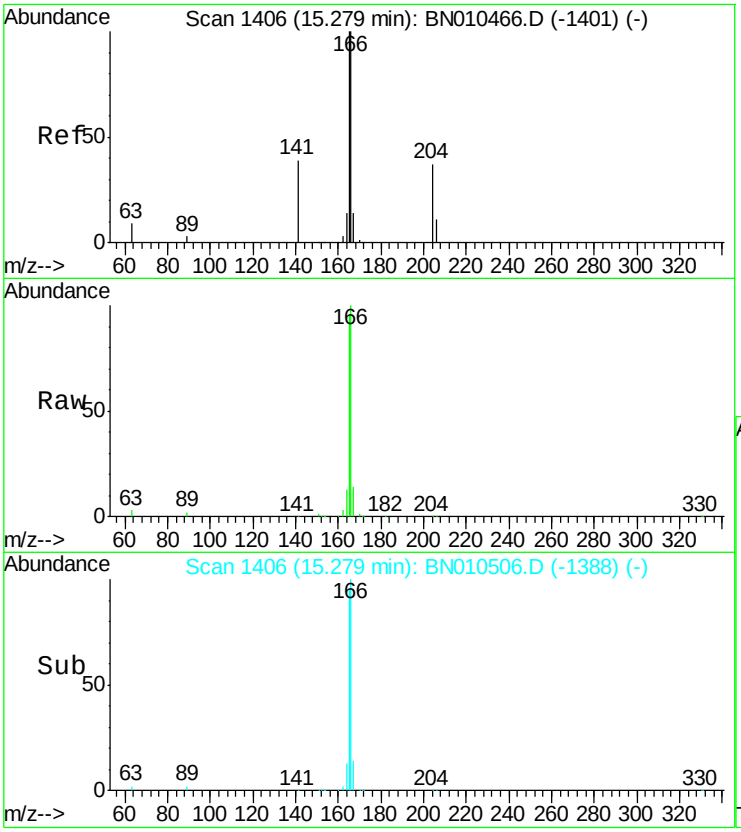


#17
Acenaphthene
Concen: 3.028 ng
RT: 14.29 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:154 Resp: 110372

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.0	136.4
152	54.3	44.6	67.0



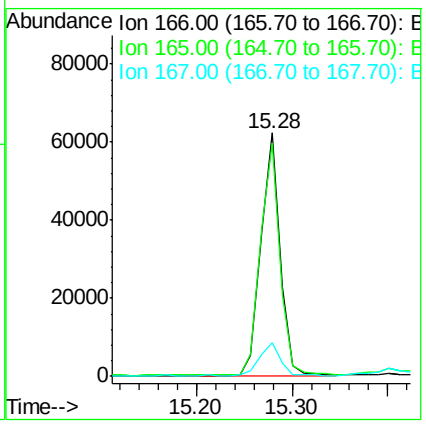


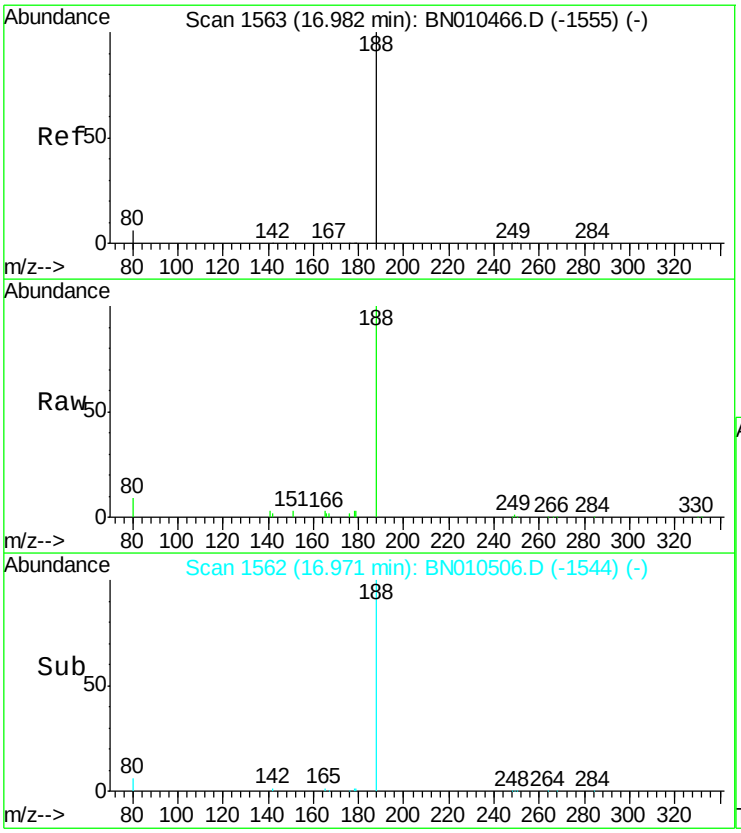
#18
Fluorene
Concen: 1.851 ng
RT: 15.28 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:166 Resp: 88362

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.4	117.6
167	14.5	10.9	16.3

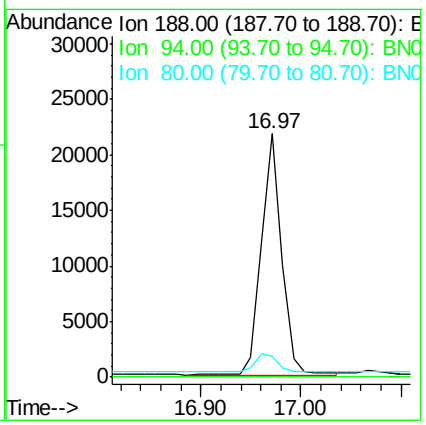


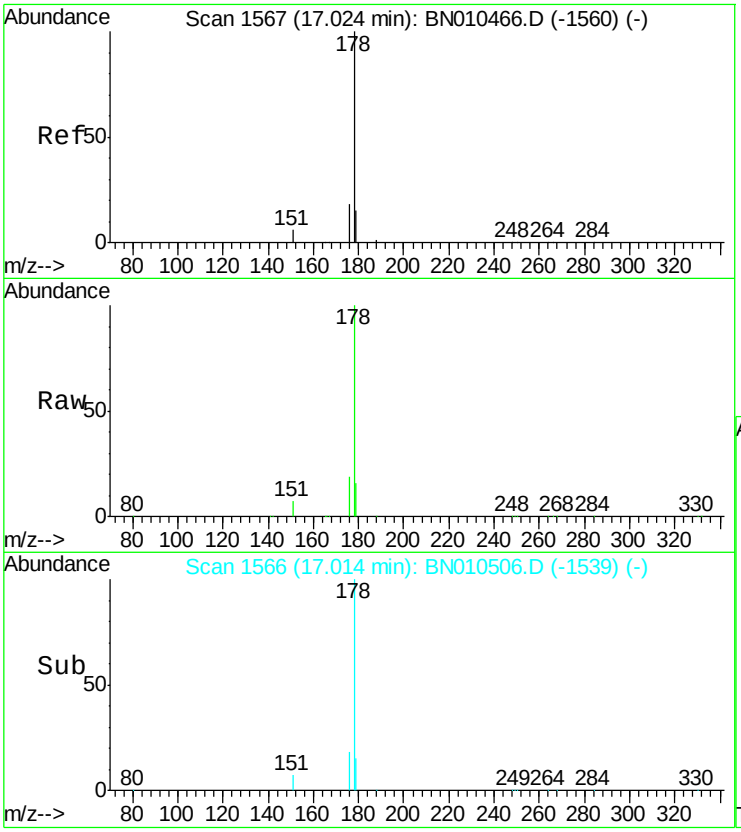


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.97 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:188 Resp: 30452

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	5.0	7.6#



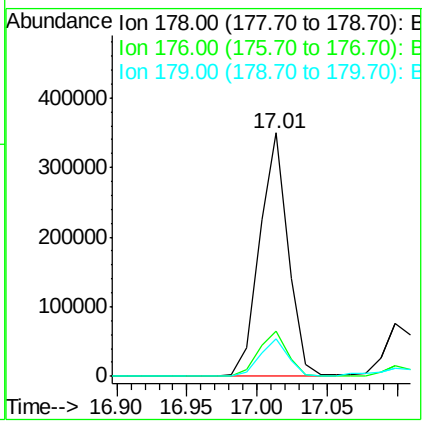


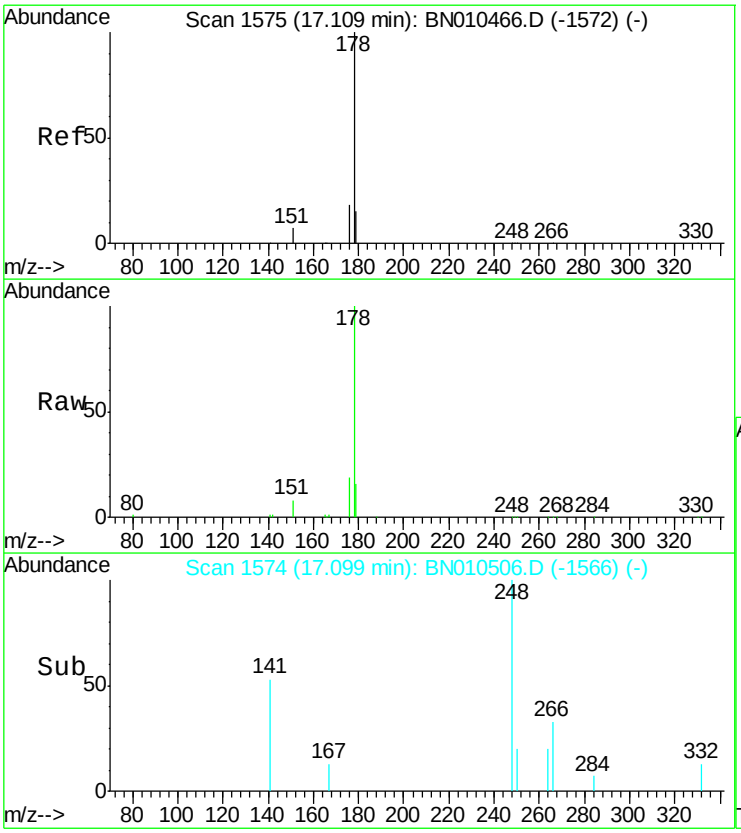
#23
Phenanthrene
Concen: 6.038 ng
RT: 17.01 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:178 Resp: 496631

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

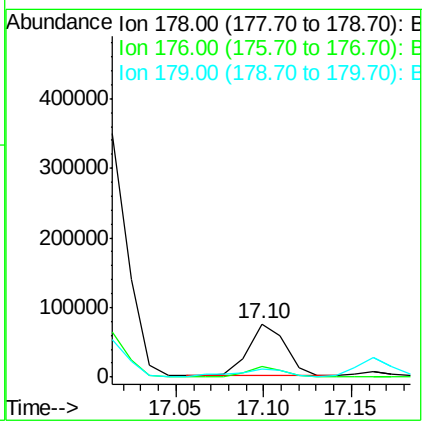


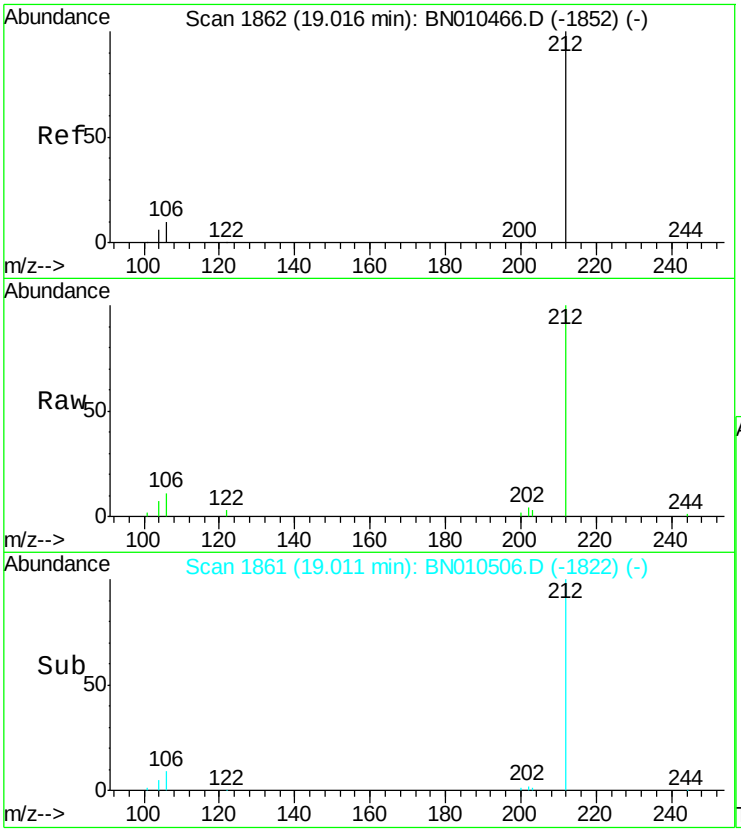


#24
Anthracene
Concen: 1.457 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:178 Resp: 109539

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	19.2	12.2	18.2#



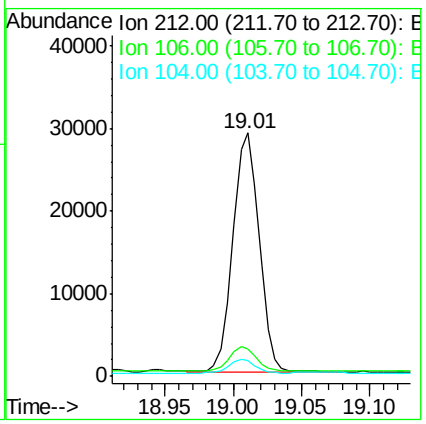


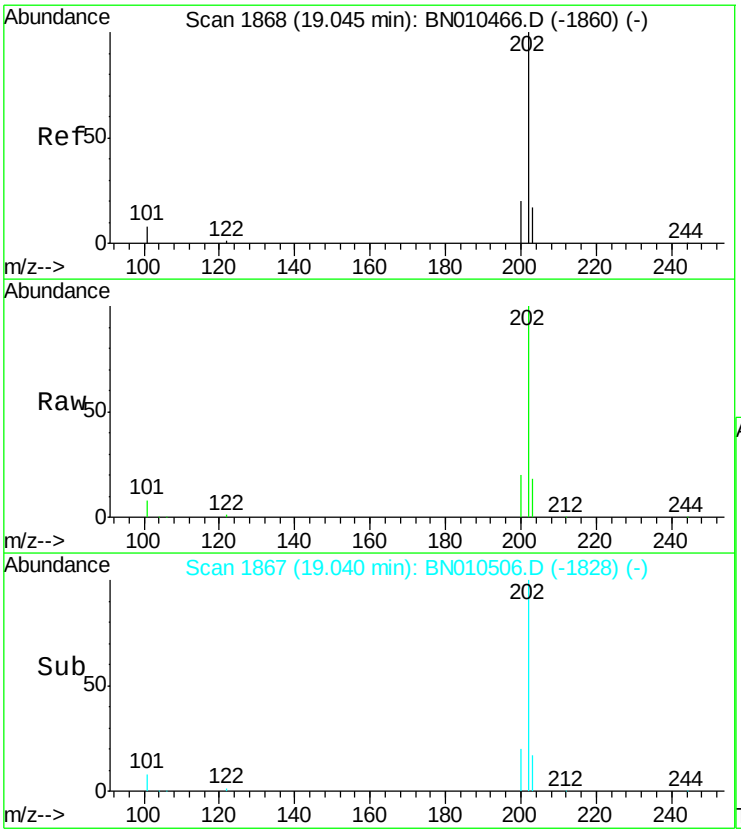
#25
Fluoranthene-d10
Concen: 0.418 ng
RT: 19.01 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:212 Resp: 38557

Ion	Ratio	Lower	Upper
212	100		
106	10.1	7.8	11.6
104	5.9	4.5	6.7

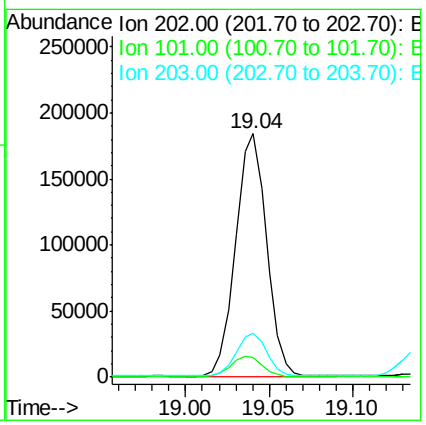


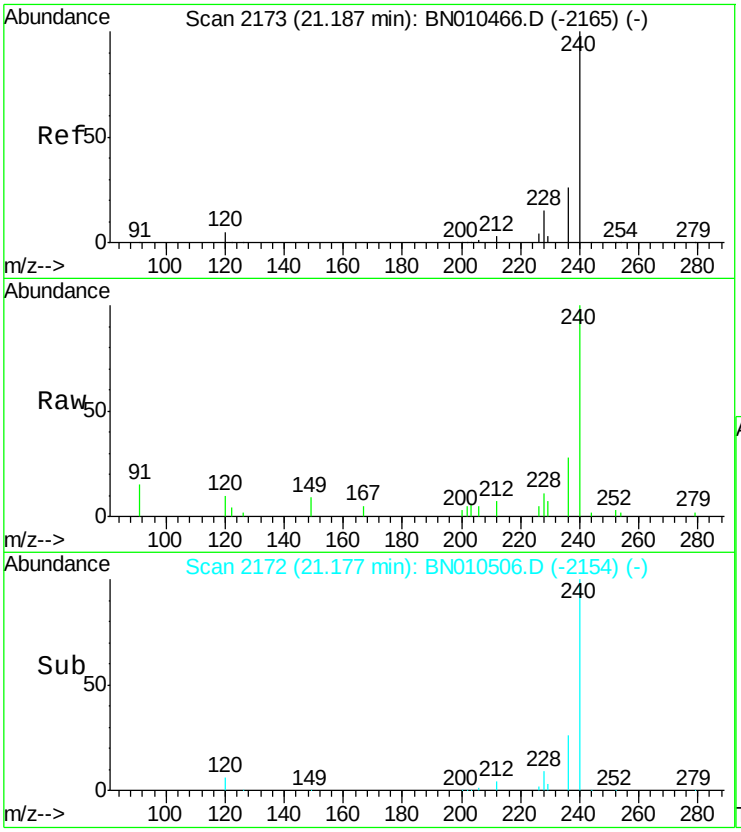


#26
Fluoranthene
Concen: 2.319 ng
RT: 19.04 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:202 Resp: 237417

Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.9	10.3
203	17.4	13.9	20.9



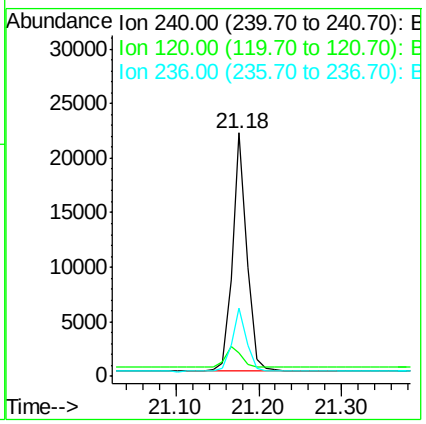


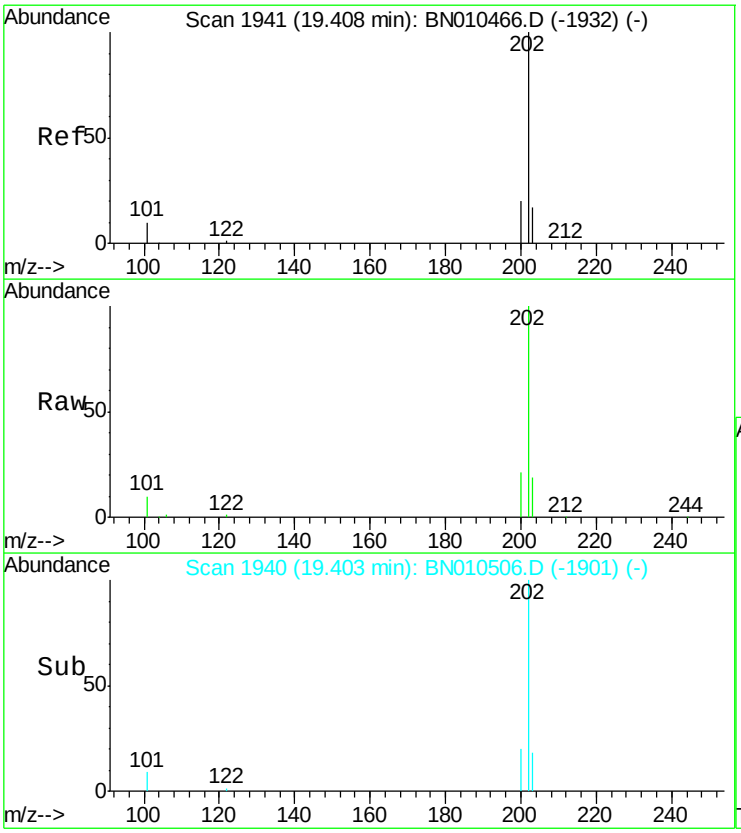
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.18 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:240 Resp: 27212

Ion	Ratio	Lower	Upper
240	100		
120	9.9	4.8	7.2#
236	27.9	21.4	32.0

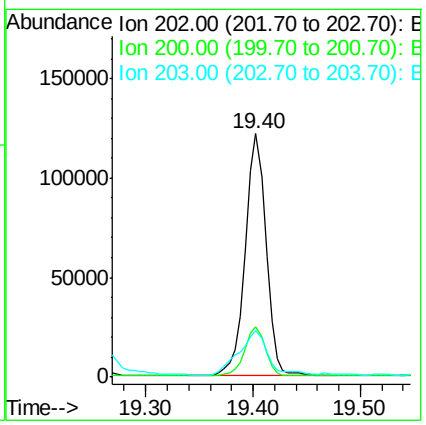


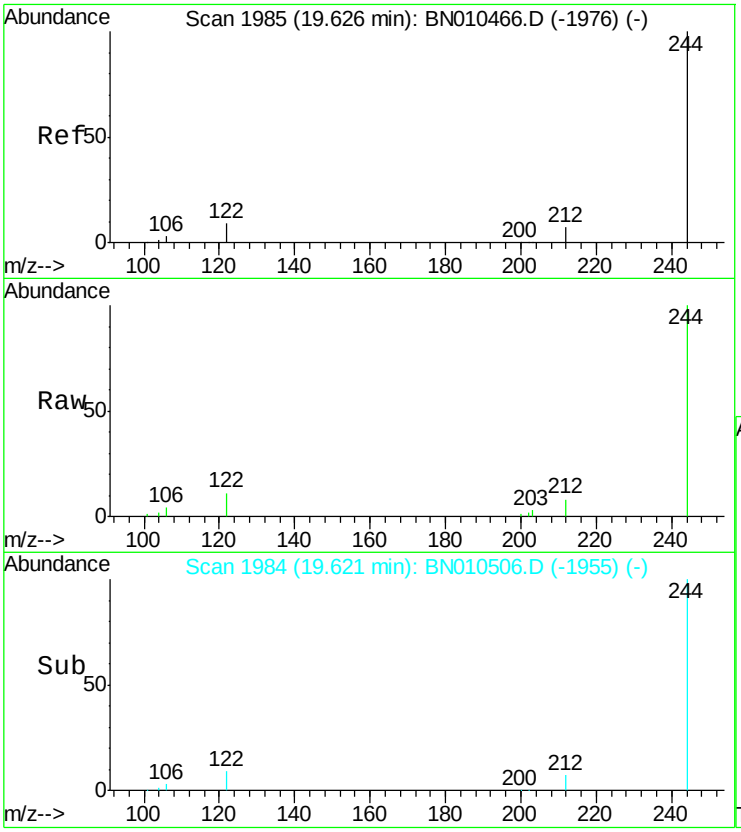


#28
Pyrene
Concen: 1.777 ng
RT: 19.40 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:202 Resp: 162807

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	25.1	14.0	21.0#



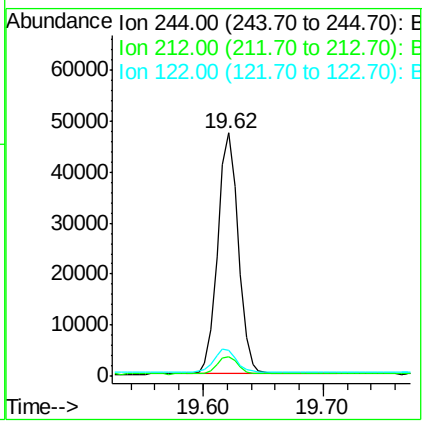


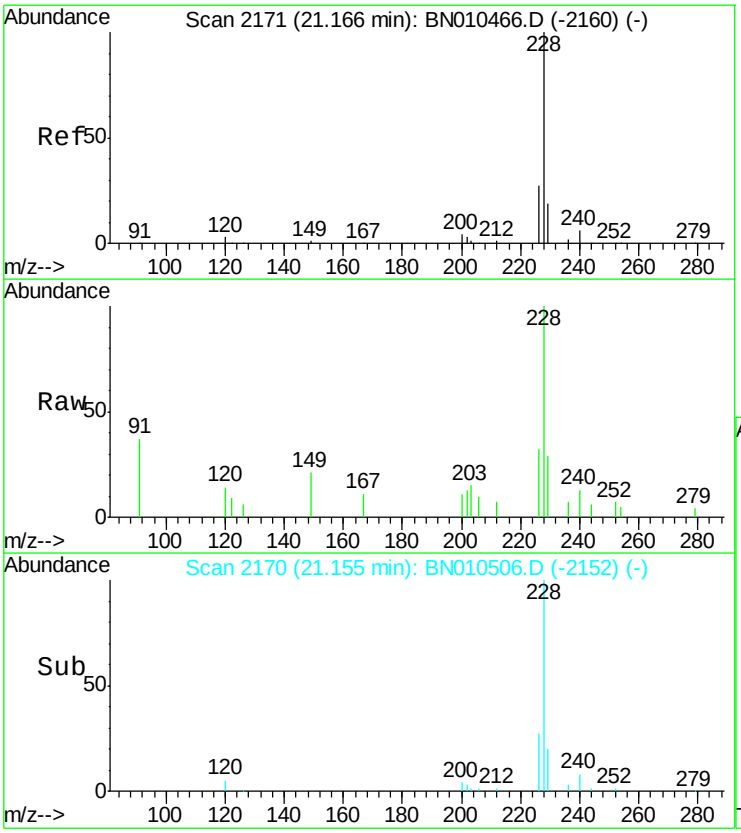
#29
Terphenyl-d14
Concen: 0.904 ng
RT: 19.62 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:244 Resp: 56328

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	10.8	7.8	11.8

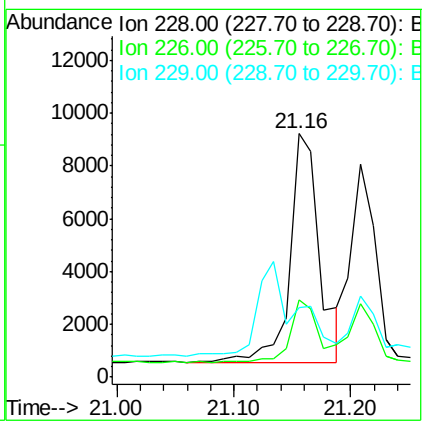


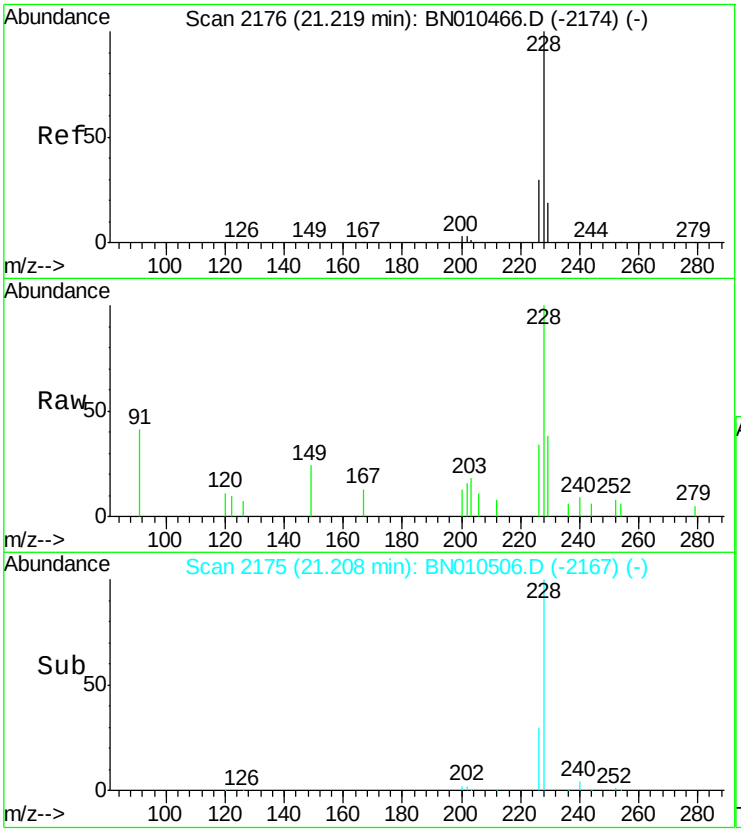


#30
Benzo(a)anthracene
Concen: 0.174 ng
RT: 21.16 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:228 Resp: 15474

Ion	Ratio	Lower	Upper
228	100		
226	31.5	21.7	32.5
229	28.6	15.6	23.4#



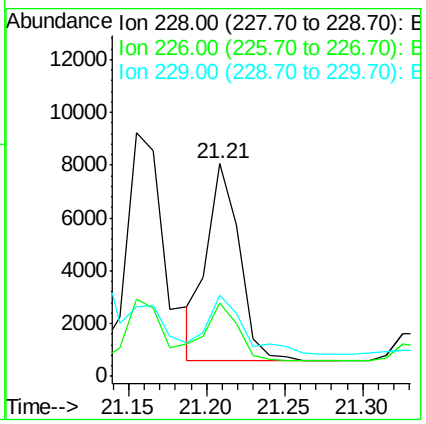


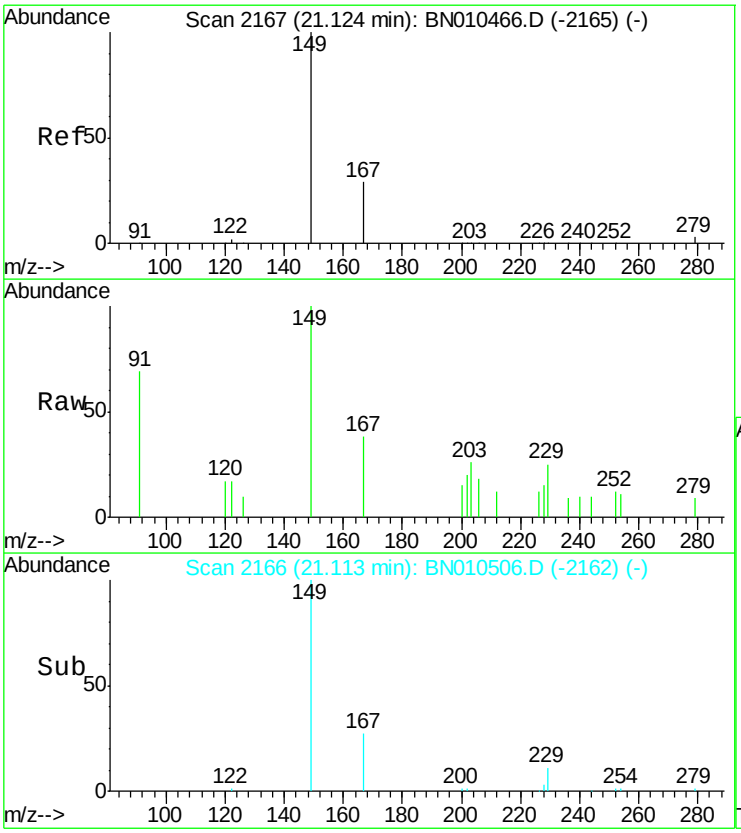
#31
Chrysene
Concen: 0.122 ng
RT: 21.21 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:228 Resp: 10760

Ion	Ratio	Lower	Upper
228	100		
226	34.5	24.0	36.0
229	38.1	15.8	23.6#

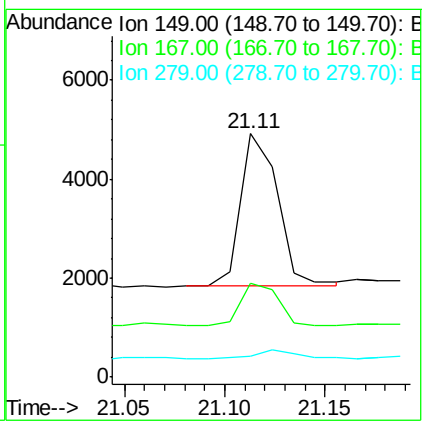


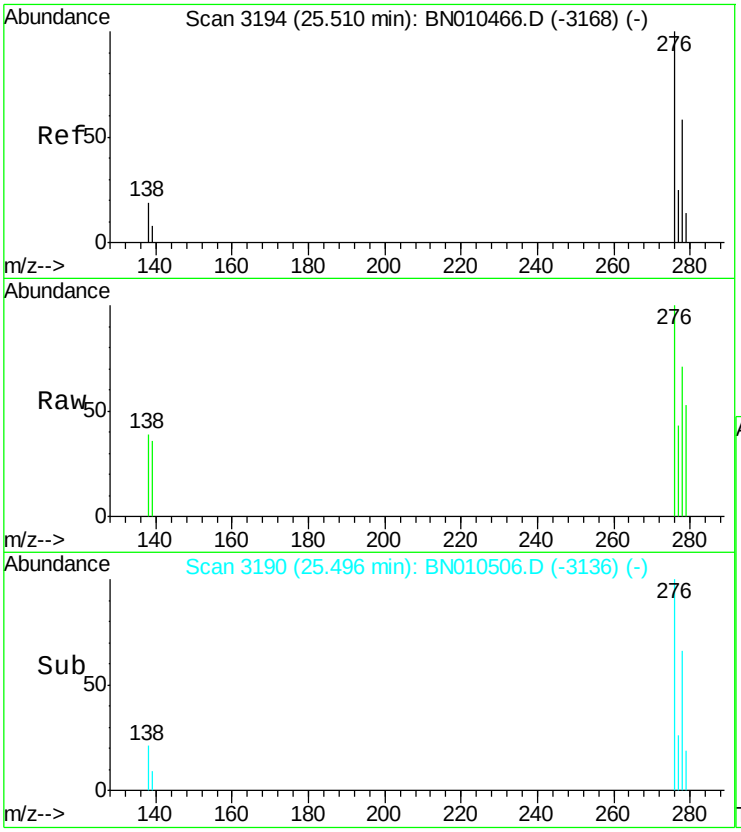


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.086 ng
RT: 21.11 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:149 Resp: 3917

Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.4	35.0
279	5.9	4.0	6.0



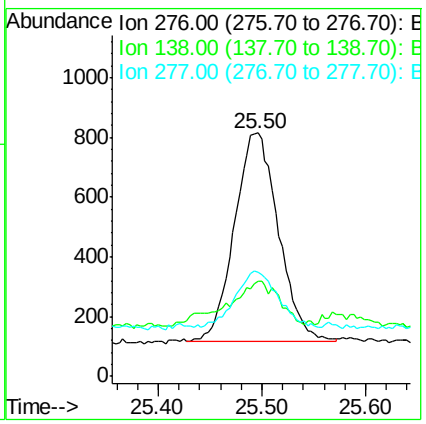


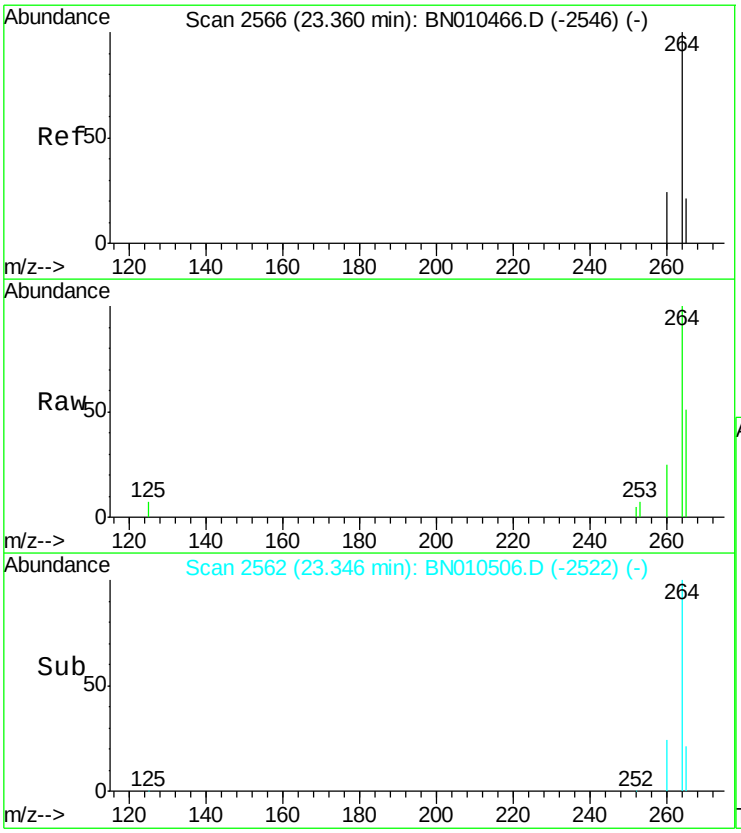
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.026 ng
RT: 25.50 min Scan# 3190
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:276 Resp: 2065

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.4	24.6
277	27.8	19.8	29.6

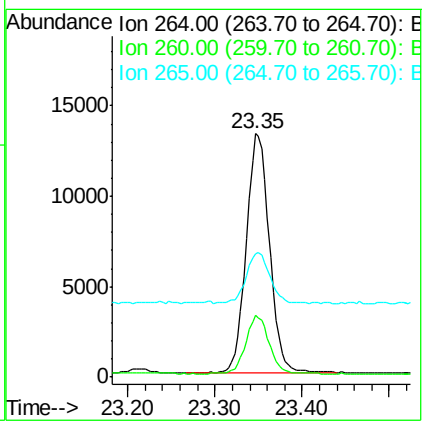


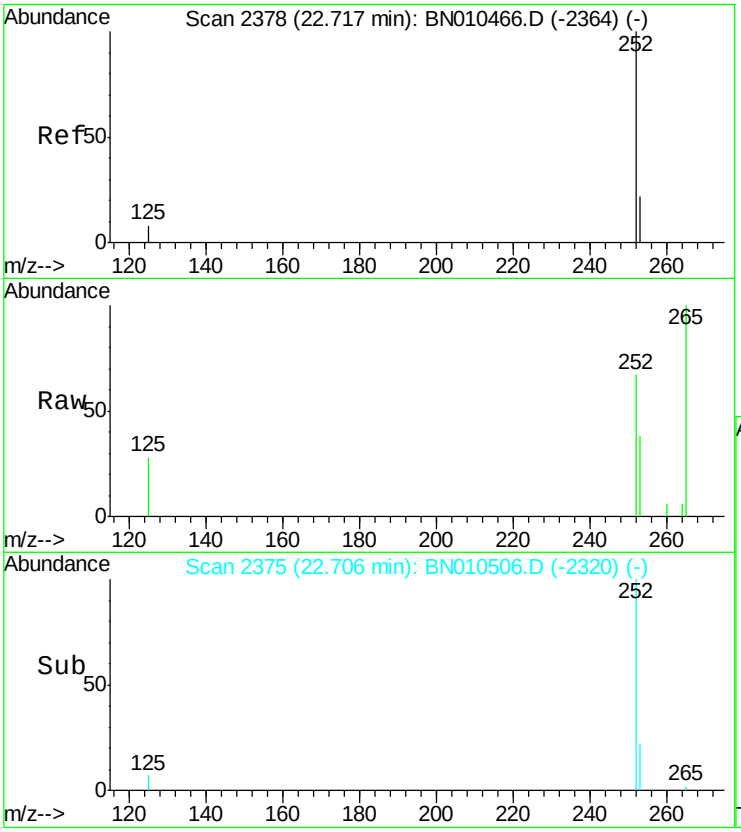


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:264 Resp: 24478

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.8	29.8
265	50.9	42.3	63.5



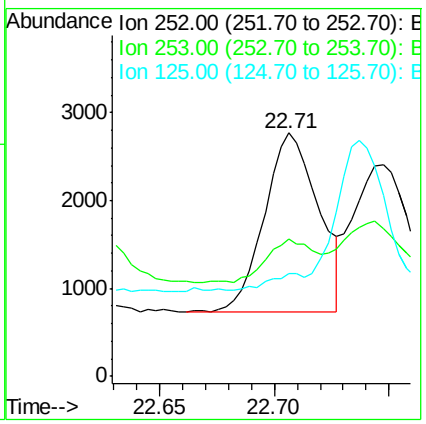


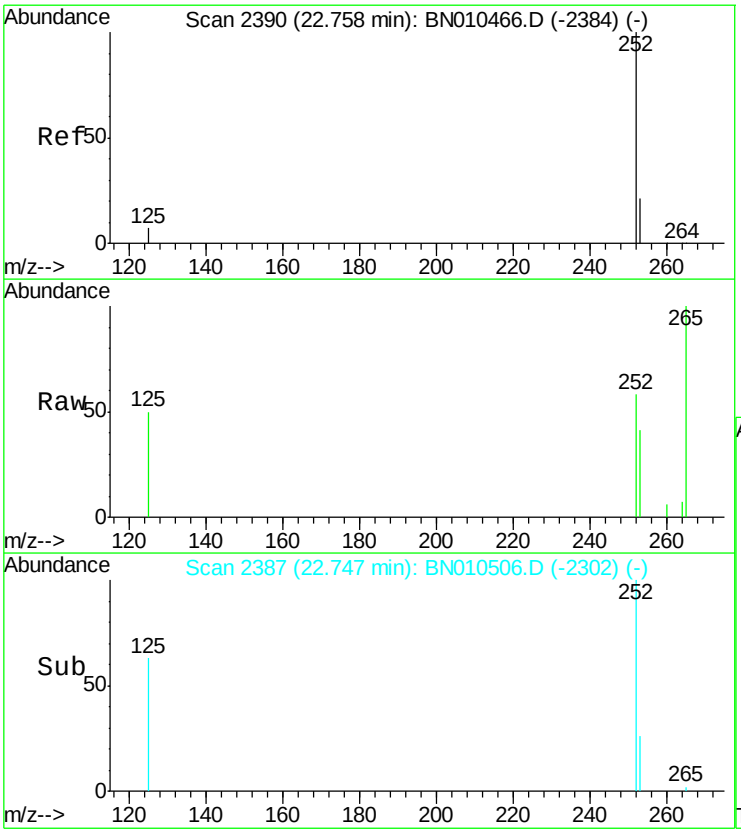
#35
Benzo(b)fluoranthene
Concen: 0.042 ng
RT: 22.71 min Scan# 2375
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:252 Resp: 3346

Ion	Ratio	Lower	Upper
252	100		
253	56.3	20.2	30.4#
125	42.0	9.2	13.8#

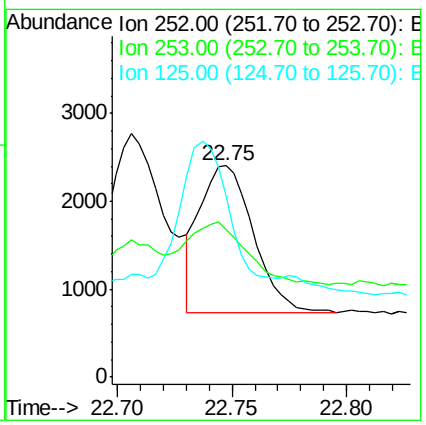


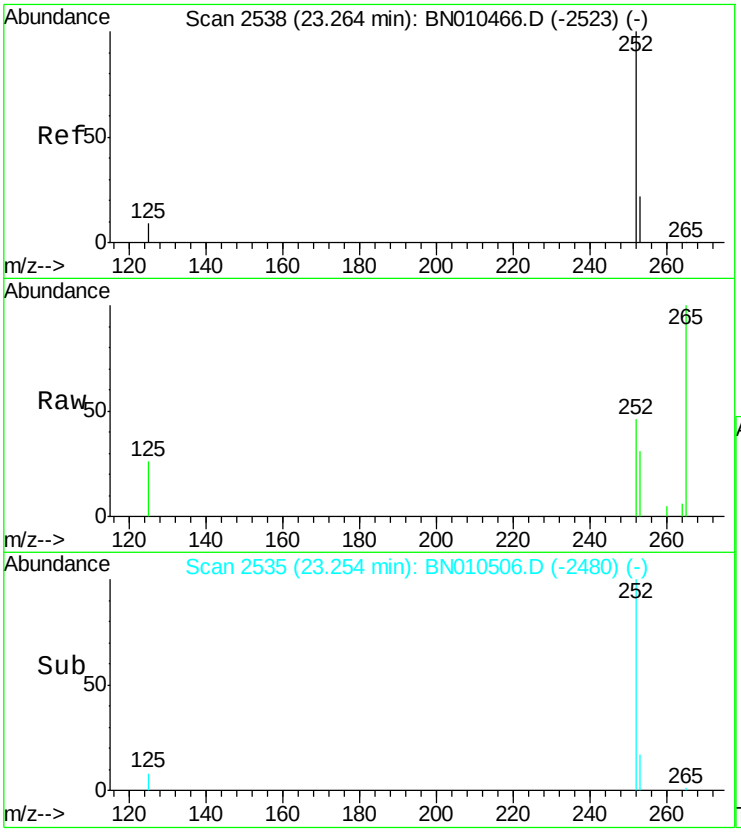


#36
Benzo(k)fluoranthene
Concen: 0.034 ng
RT: 22.75 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:252 Resp: 2722

Ion	Ratio	Lower	Upper
252	100		
253	69.9	20.1	30.1#
125	85.7	9.6	14.4#



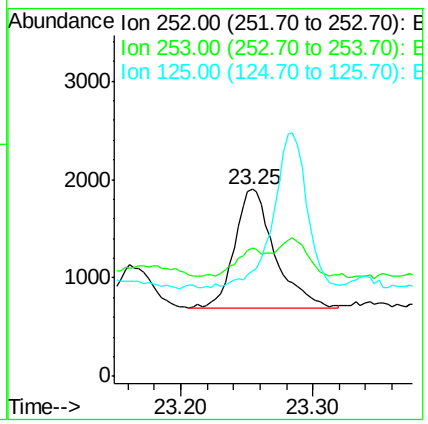


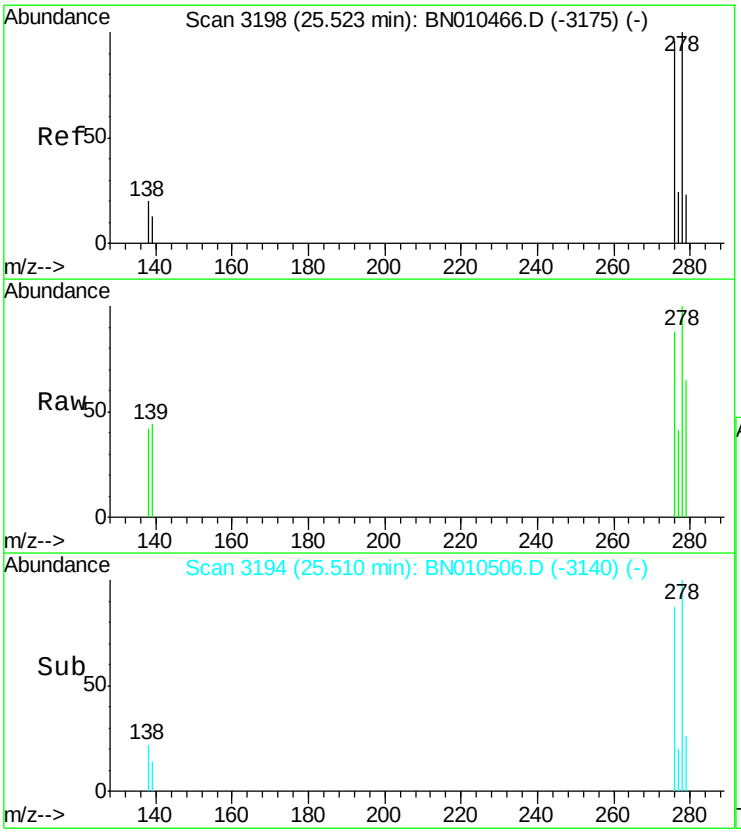
#37
Benzo(a)pyrene
Concen: 0.035 ng
RT: 23.25 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:252 Resp: 2527

Ion	Ratio	Lower	Upper
252	100		
253	68.5	21.8	32.8#
125	56.5	11.0	16.6#

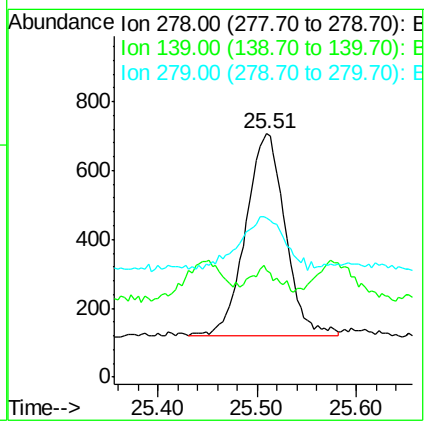


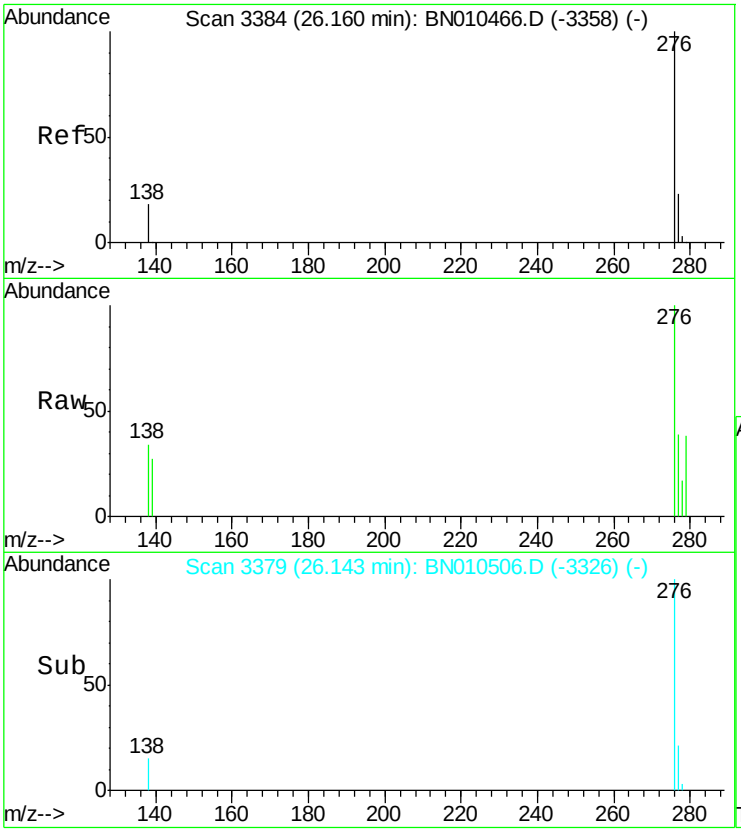


#38
Dibenzo(a,h)anthracene
Concen: 0.025 ng
RT: 25.51 min Scan# 3194
Delta R.T. -0.01 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Tgt Ion:278 Resp: 1627

Ion	Ratio	Lower	Upper
278	100		
139	43.7	12.3	18.5#
279	65.2	21.9	32.9#





#39
Benzo(g,h,i)perylene
Concen: 0.031 ng
RT: 26.14 min Scan# 3379
Delta R.T. -0.02 min
Lab File: BN010506.D
Acq: 15 Apr 2020 13:59

Instrument :
BNA_N
ClientSampleId :
MW-4IRE

Tgt Ion:276 Resp: 2015

Ion	Ratio	Lower	Upper
276	100		
277	39.1	20.2	30.2#
138	33.9	15.4	23.2#