Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN041420\
Data File : BN010474.D
Acq On : 14 Apr 2020 12:30
Operator : CG/JU
Sample : L1798-21
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RR-PAH-WP

Quant Time: Apr 14 13:01:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : 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	4872	0.40	ng		0.00
7) Naphthalene-d8	10.37	136	20372	0.40	ng		0.00
13) Acenaphthene-d10	14.23	164	12145	0.40	ng		0.00
19) Phenanthrene-d10	16.97	188	30886	0.40	ng		-0.01
27) Chrysene-d12	21.18	240	29358	0.40	ng		-0.01
34) Perylene-d12	23.35	264	15198	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	4974	0.47	ng		0.00
5) Phenol-d6	6.79	99	6328	0.45	ng		0.00
8) Nitrobenzene-d5	8.73	82	5028	0.35	ng		-0.01
11) 2-Methylnaphthalene-d10	11.96	152	11313	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.72	330	2348	0.41	ng		0.00
15) 2-Fluorobiphenyl	12.85	172	17431	0.39	ng		0.00
25) Fluoranthene-d10	19.01	212	30441	0.33	ng		0.00
29) Terphenyl-d14	19.62	244	27914	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	162	0.045	ng	#	61
3) n-Nitrosodimethylamine	3.64	42	3600	1.548	ng	#	1
9) Naphthalene	10.41	128	201781	3.988	ng		99
16) Acenaphthylene	13.94	152	180054	3.432	ng		100
17) Acenaphthene	14.29	154	504917	14.977	ng		98
18) Fluorene	15.28	166	289021	6.546	ng		99
23) Phenanthrene	17.01	178	218968	2.625	ng		100
24) Anthracene	17.11	178	170147	2.231	ng		100
26) Fluoranthene	19.04	202	177517	1.710	ng		99
28) Pyrene	19.41	202	256666	2.597	ng		100
30) Benzo(a)anthracene	21.17	228	141500	1.477	ng		98
31) Chrysene	21.21	228	307545	3.223	ng		99
33) Indeno(1,2,3-cd)pyrene	25.50	276	112257	1.331	ng		95
35) Benzo(b)fluoranthene	22.71	252	60937	1.218	ng		95
36) Benzo(k)fluoranthene	22.75	252	255121	5.088	ng	#	93
37) Benzo(a)pyrene	23.26	252	210094	4.743	ng	#	90
38) Dibenzo(a,h)anthracene	25.51	278	154555	3.816	ng		94
39) Benzo(g,h,i)perylene	26.15	276	204425	5.015	ng		97

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

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Quant Time: Apr 14 13:01:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 18:04:22 2020
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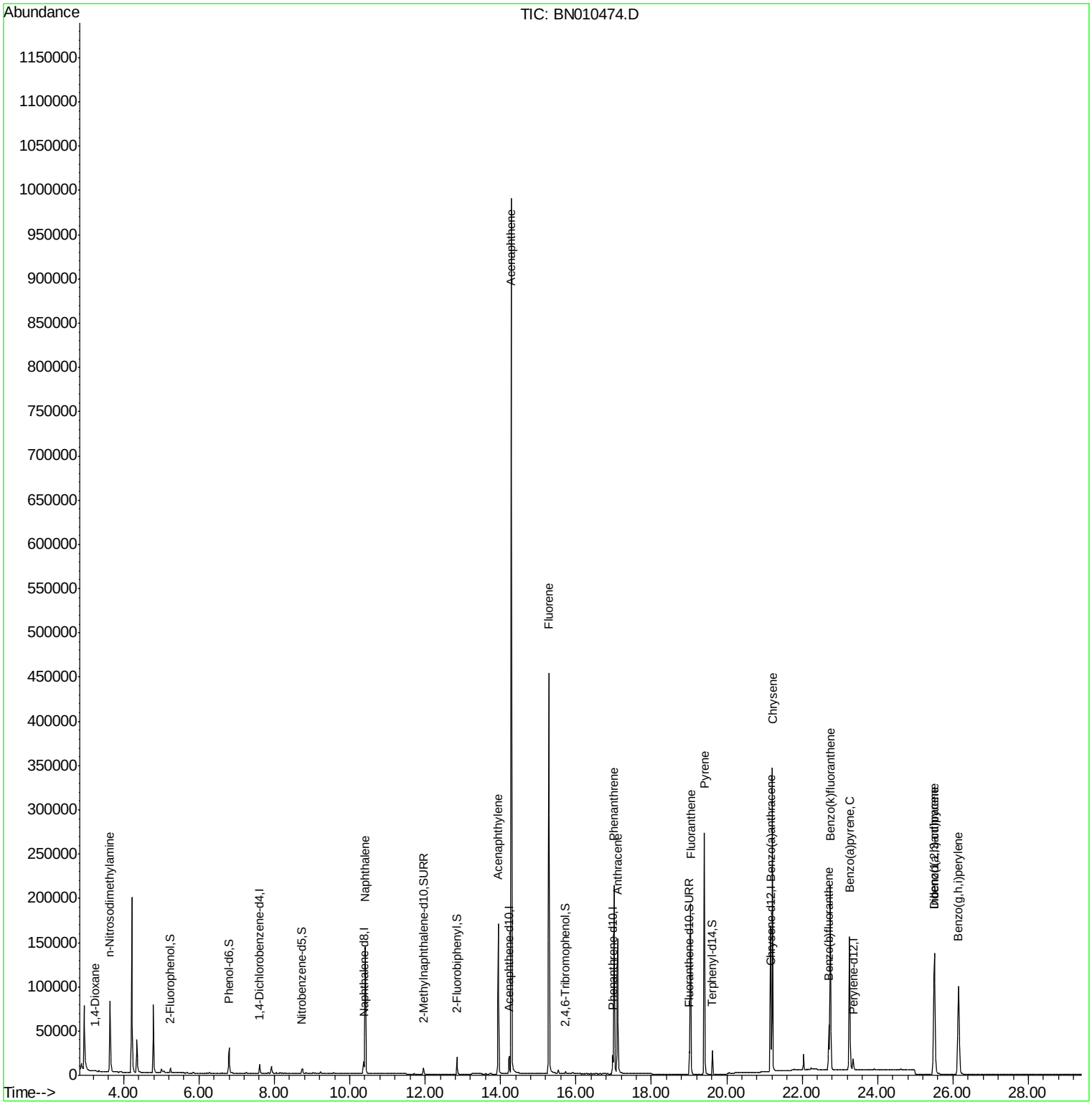
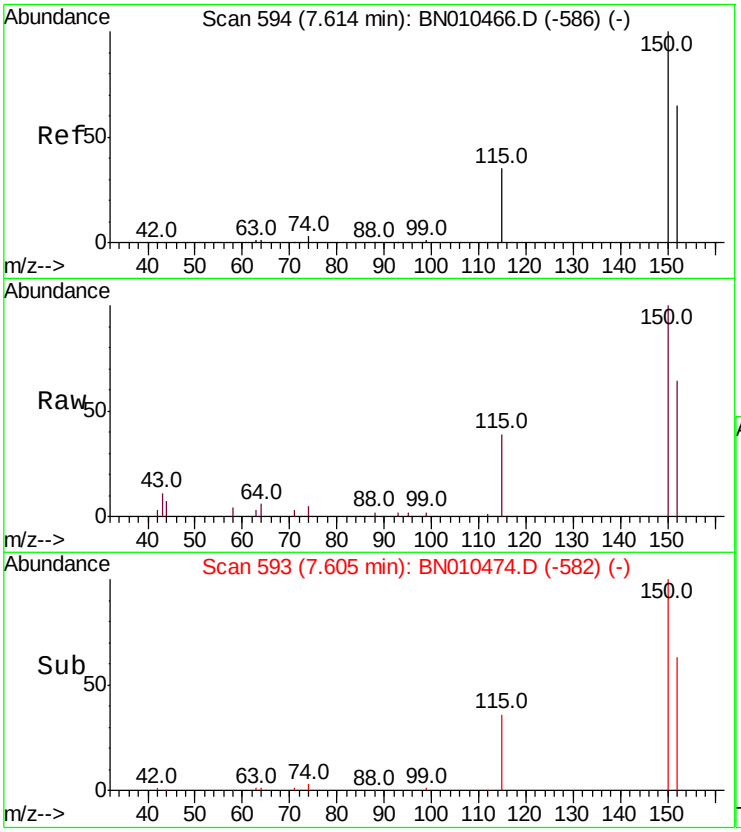


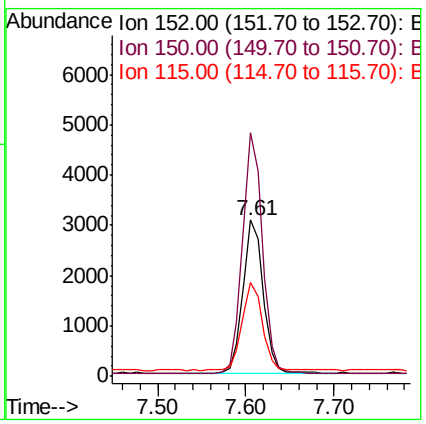


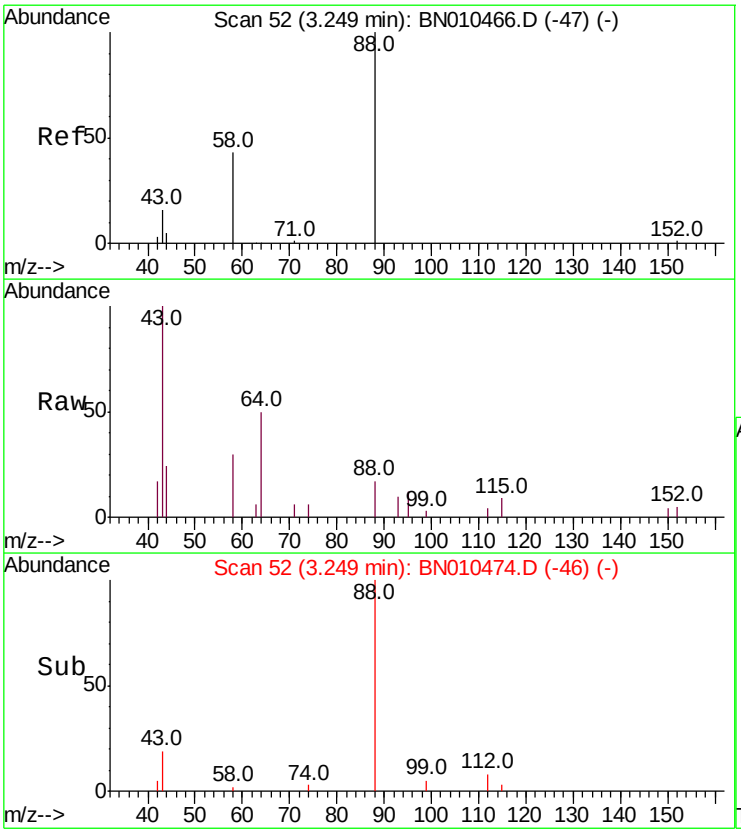
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.61 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:152 Resp: 4872

Ion	Ratio	Lower	Upper
152	100		
150	155.8	121.8	182.6
115	60.2	45.5	68.3

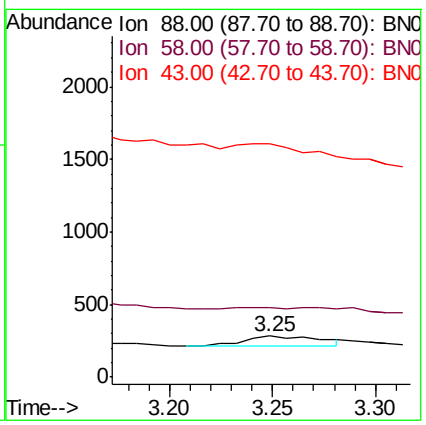


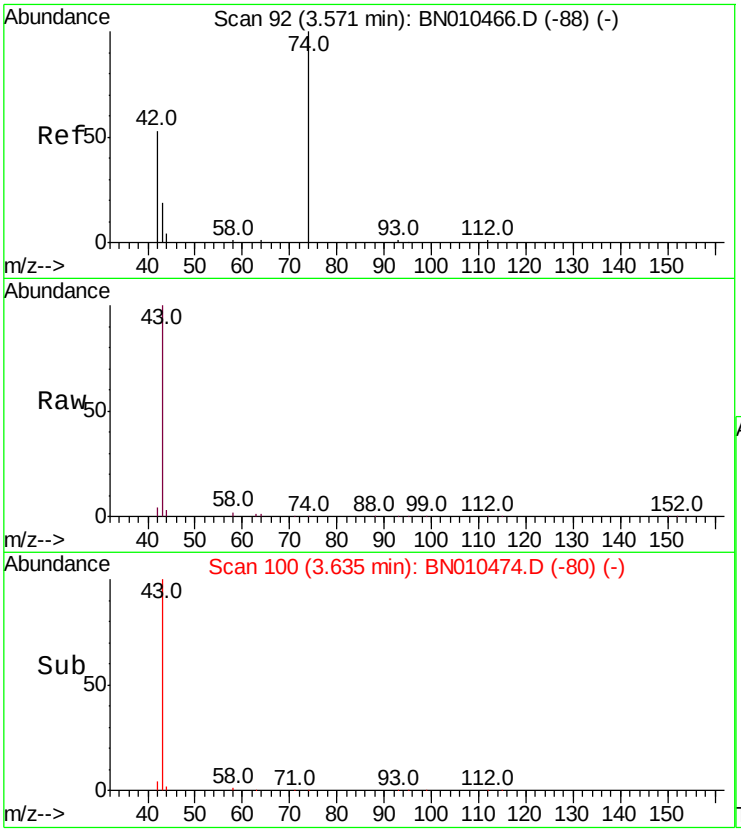


#2
1,4-Dioxane
Concen: 0.045 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion: 88 Resp: 162

Ion	Ratio	Lower	Upper
88	100		
58	19.8	36.5	54.7#
43	0.0	13.2	19.8#



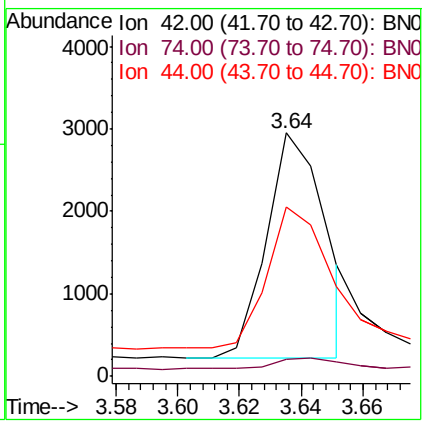


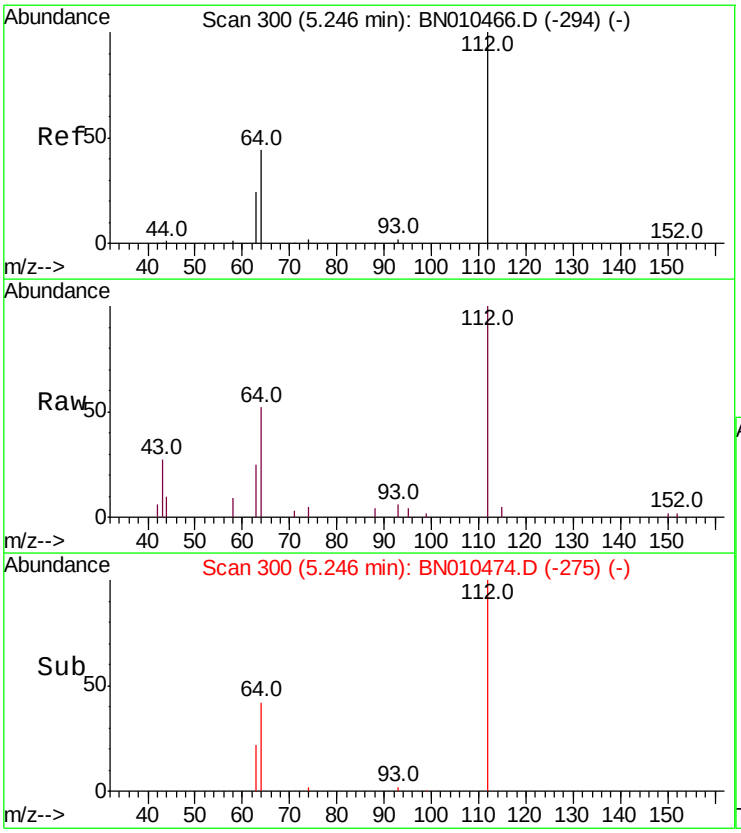
#3
n-Nitrosodimethylamine
Concen: 1.548 ng
RT: 3.64 min Scan# 100
Delta R.T. 0.06 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion: 42 Resp: 3600

Ion	Ratio	Lower	Upper
42	100		
74	5.4	162.2	243.4#
44	63.7	2.4	3.6#

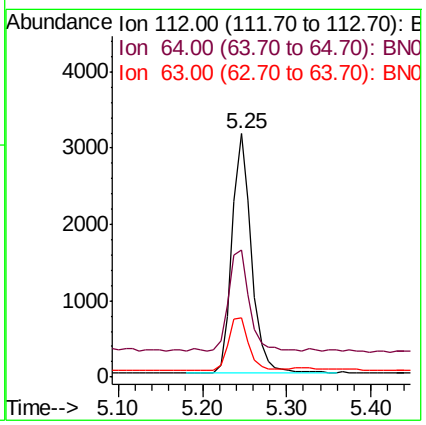


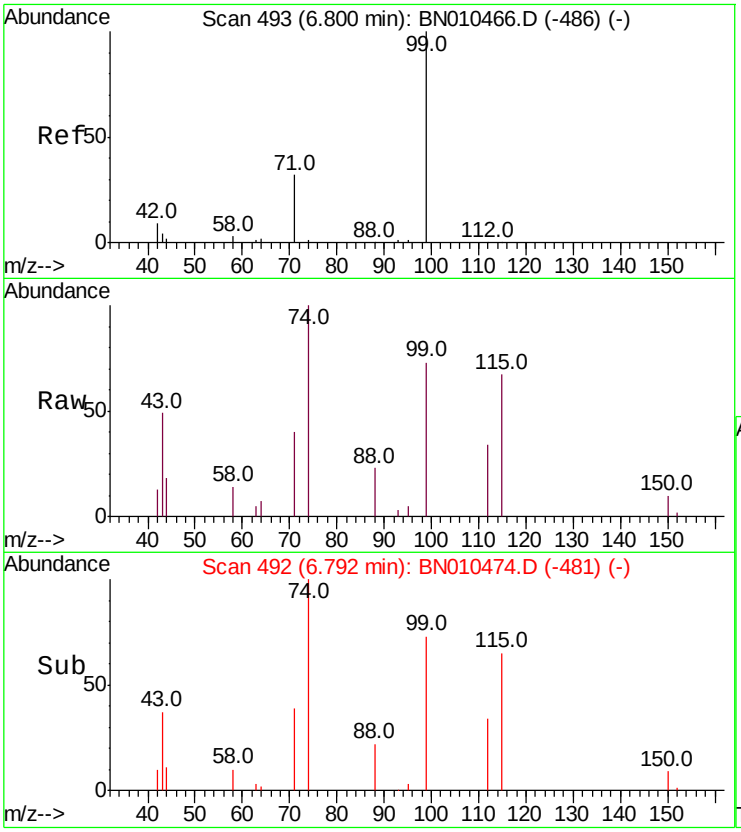


#4
2-Fluorophenol
Concen: 0.466 ng
RT: 5.25 min Scan# 300
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:112 Resp: 4974

Ion	Ratio	Lower	Upper
112	100		
64	45.3	35.8	53.8
63	23.3	19.9	29.9



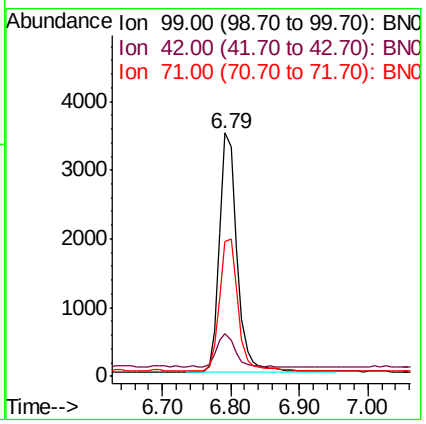


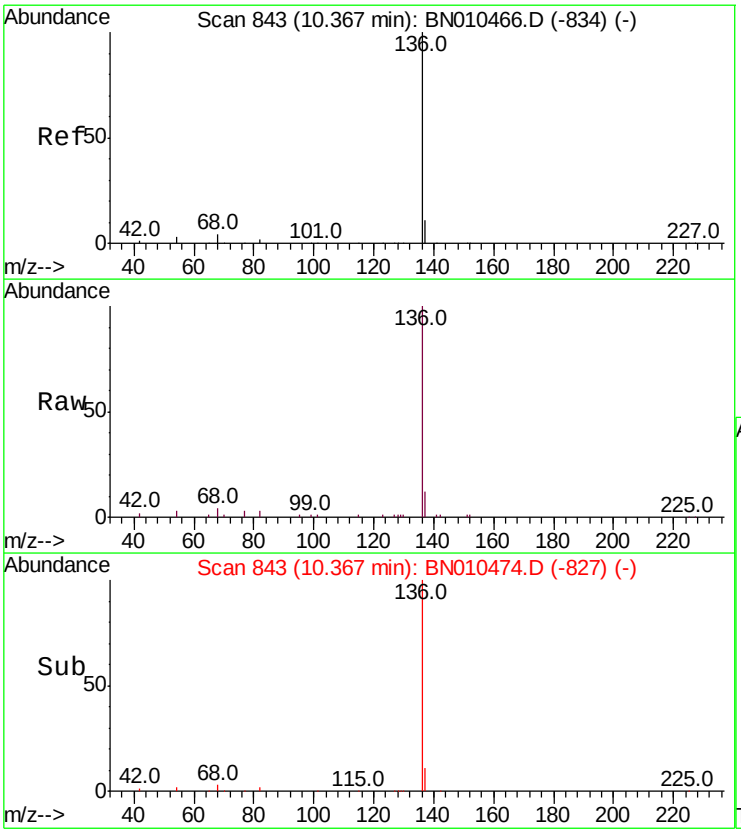
#5
Phenol-d6
Concen: 0.454 ng
RT: 6.79 min Scan# 492
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion: 99 Resp: 6328

Ion	Ratio	Lower	Upper
99	100		
42	13.9	9.8	14.6
71	57.0	27.8	41.8#

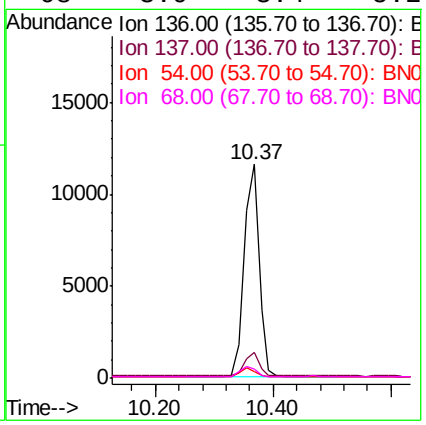


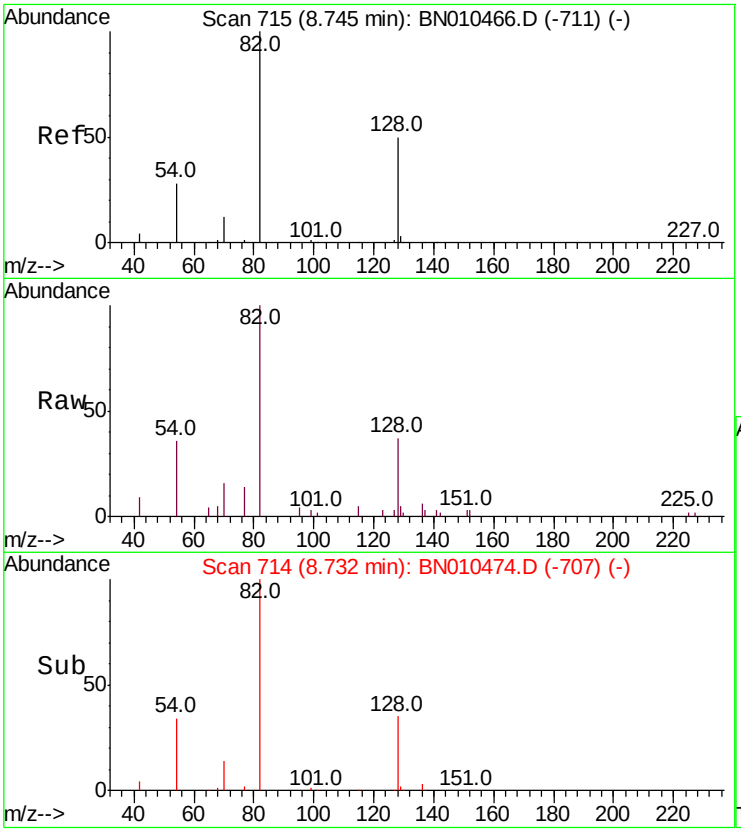


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.37 min Scan# 843
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:136 Resp: 20372

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.9	13.3
54	2.8	2.6	4.0
68	3.9	3.4	5.2



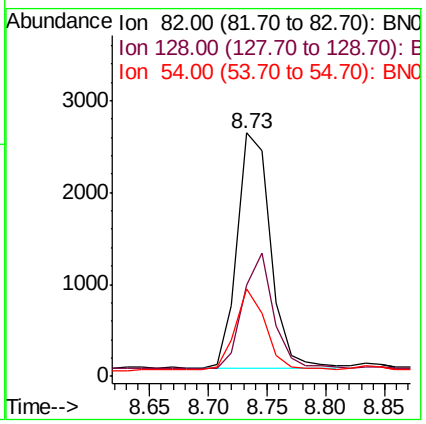


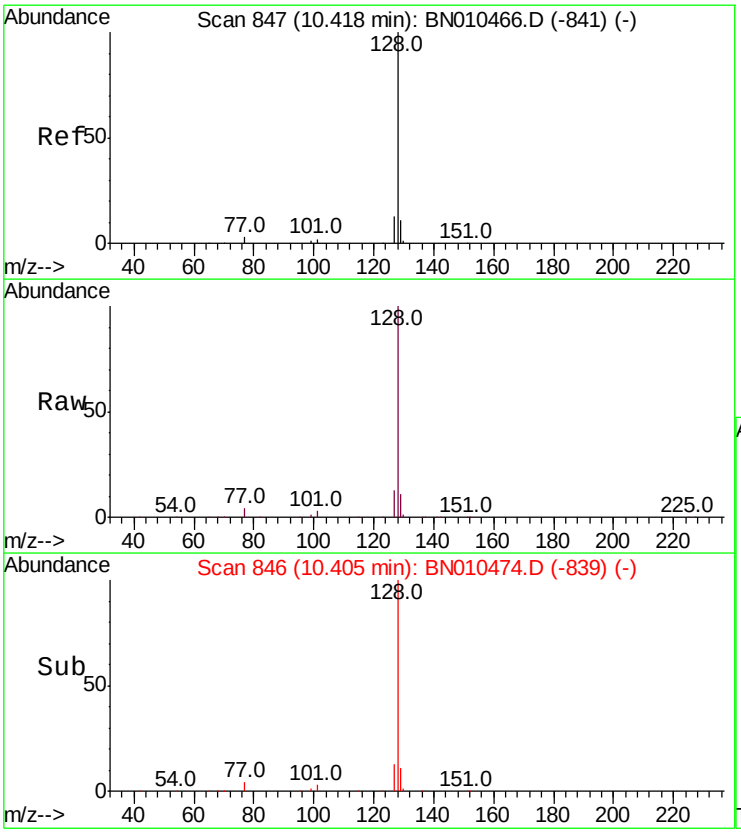
#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.73 min Scan# 714
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion: 82 Resp: 5028

Ion	Ratio	Lower	Upper
82	100		
128	37.2	41.3	61.9#
54	35.7	23.4	35.0#

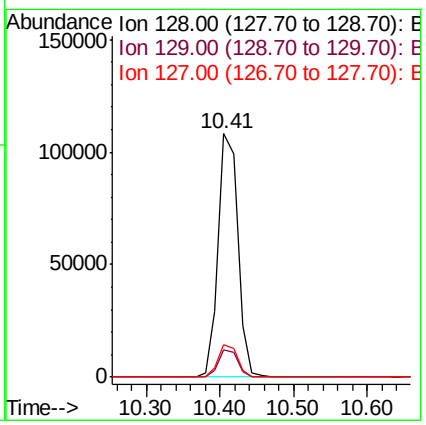


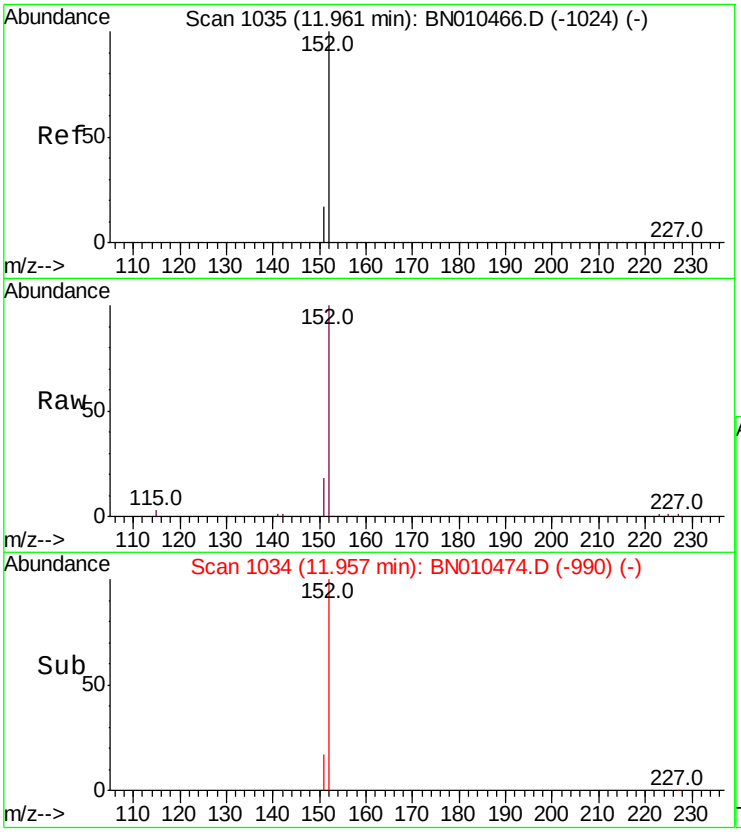


#9
Naphthalene
Concen: 3.988 ng
RT: 10.41 min Scan# 846
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:128 Resp: 201781

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	13.5	10.5	15.7



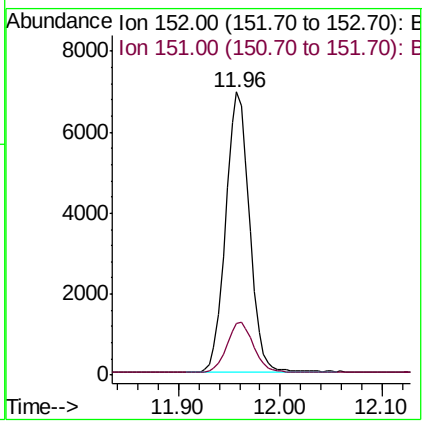


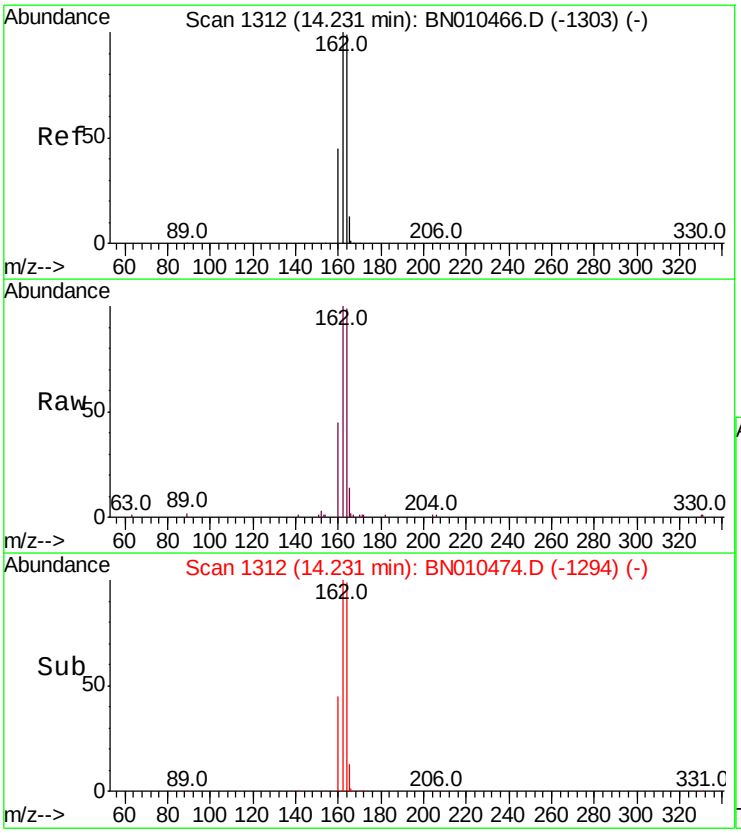
#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 11.96 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:152 Resp: 11313

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.3	22.9

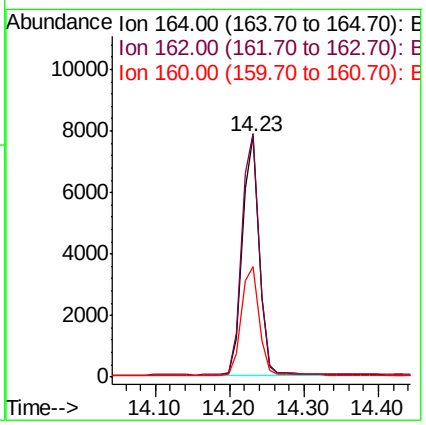


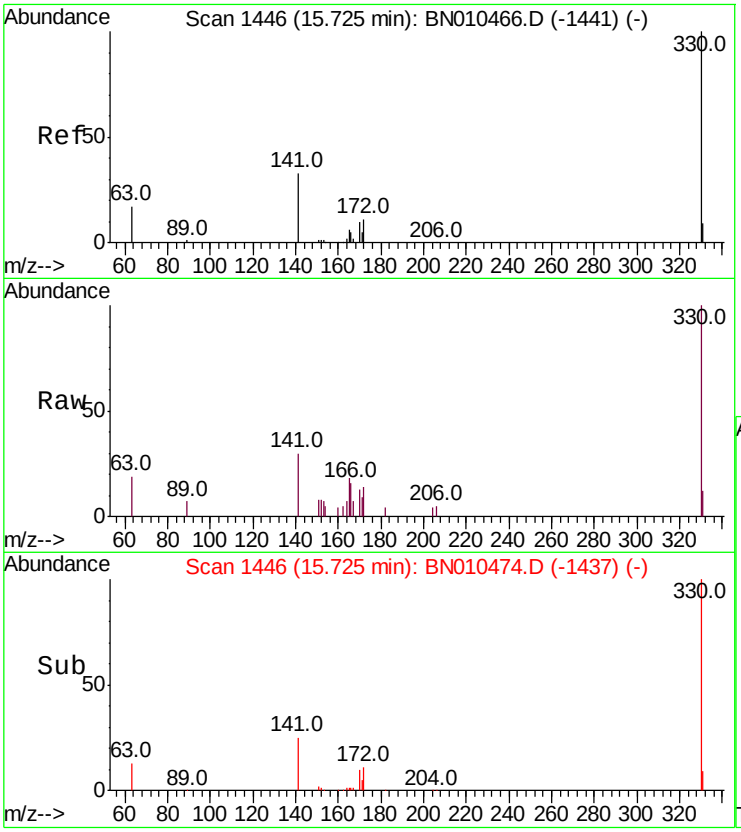


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.23 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:164 Resp: 12145

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	45.6	36.5	54.7



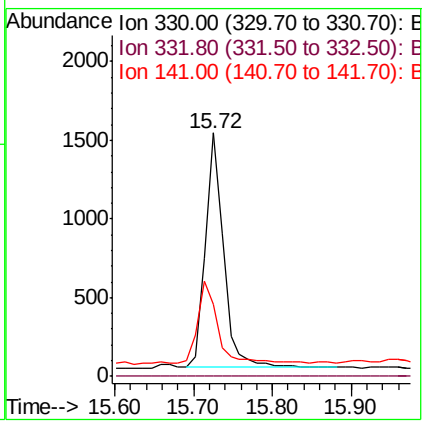


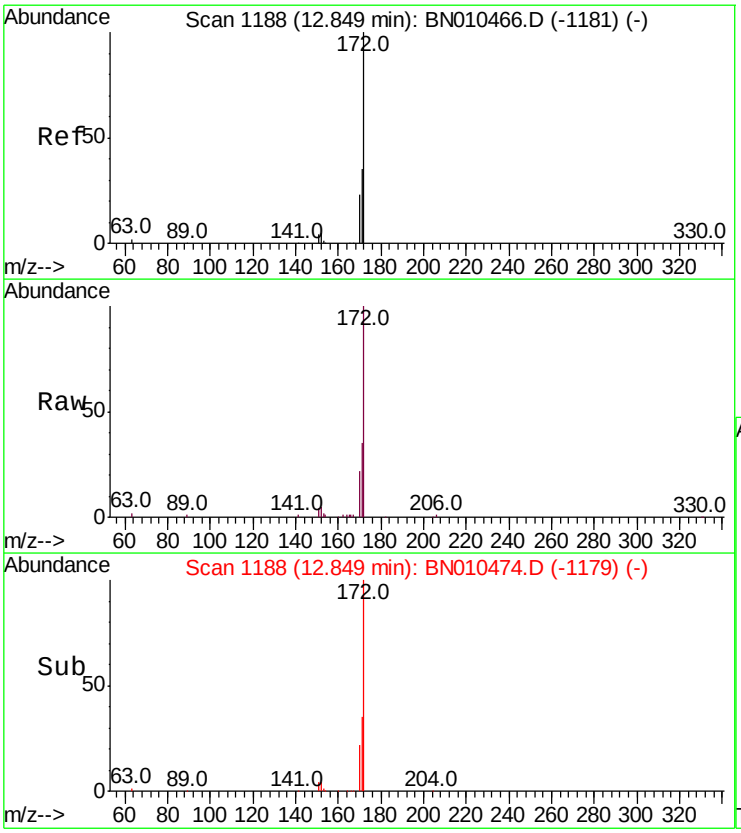
#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 15.72 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:330 Resp: 2348

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.5	28.1	42.1

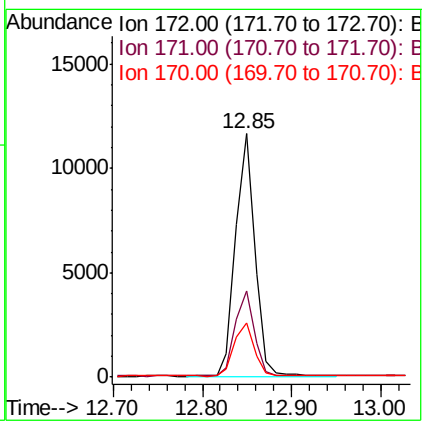


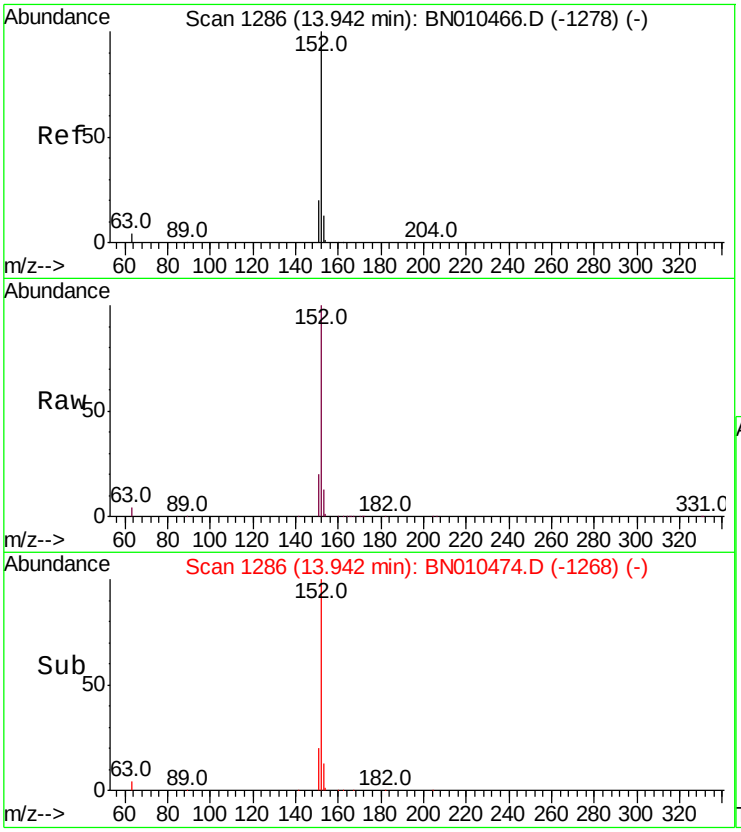


#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 12.85 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:172 Resp: 17431

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	22.4	18.4	27.6



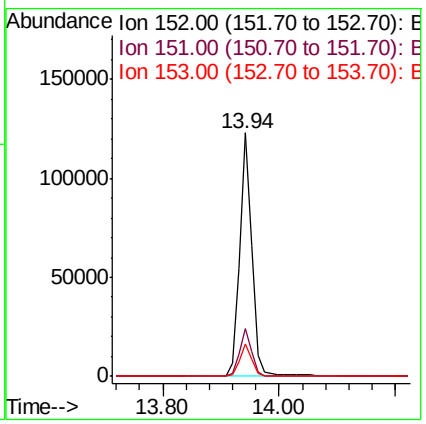


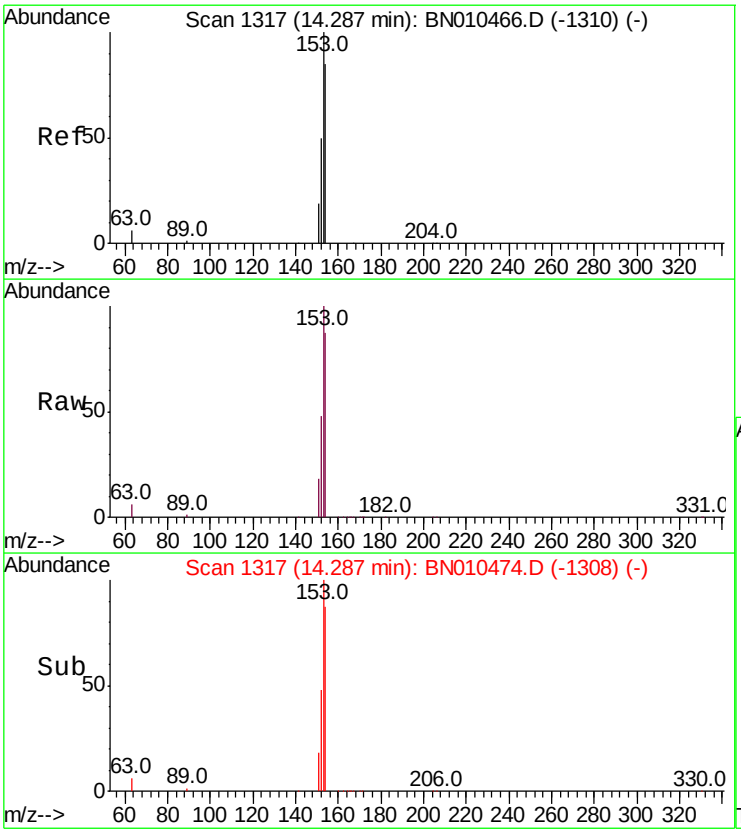
#16
Acenaphthylene
Concen: 3.432 ng
RT: 13.94 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:152 Resp: 180054

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.6	15.8

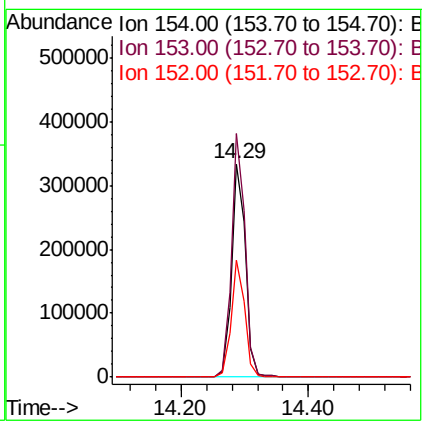


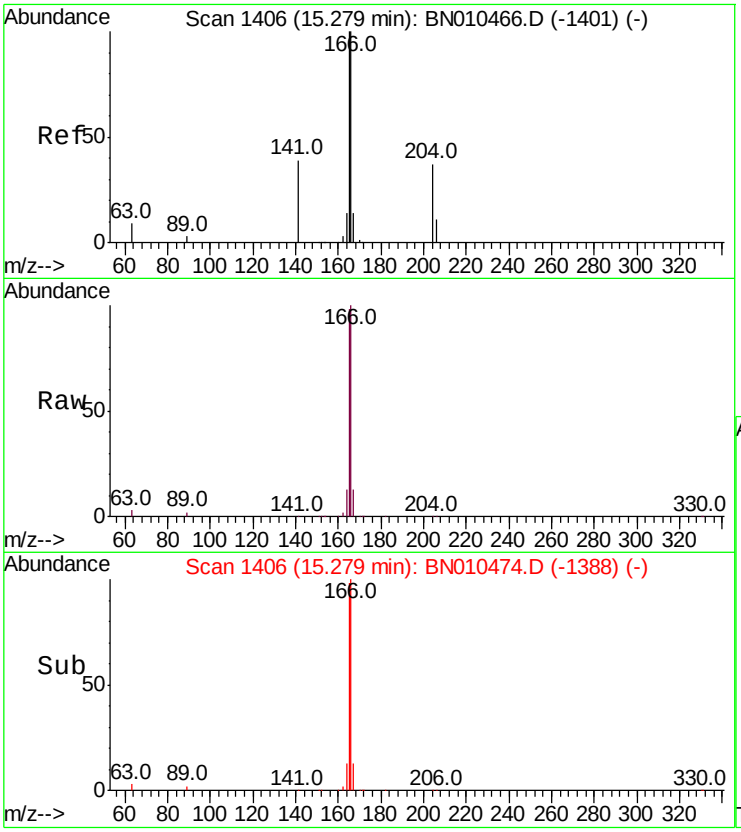


#17
Acenaphthene
Concen: 14.977 ng
RT: 14.29 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:154 Resp: 504917

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.0	136.4
152	53.5	44.6	67.0



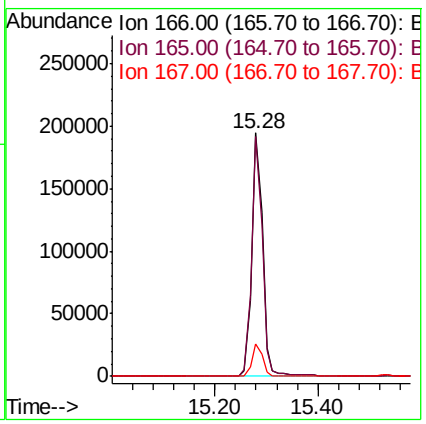


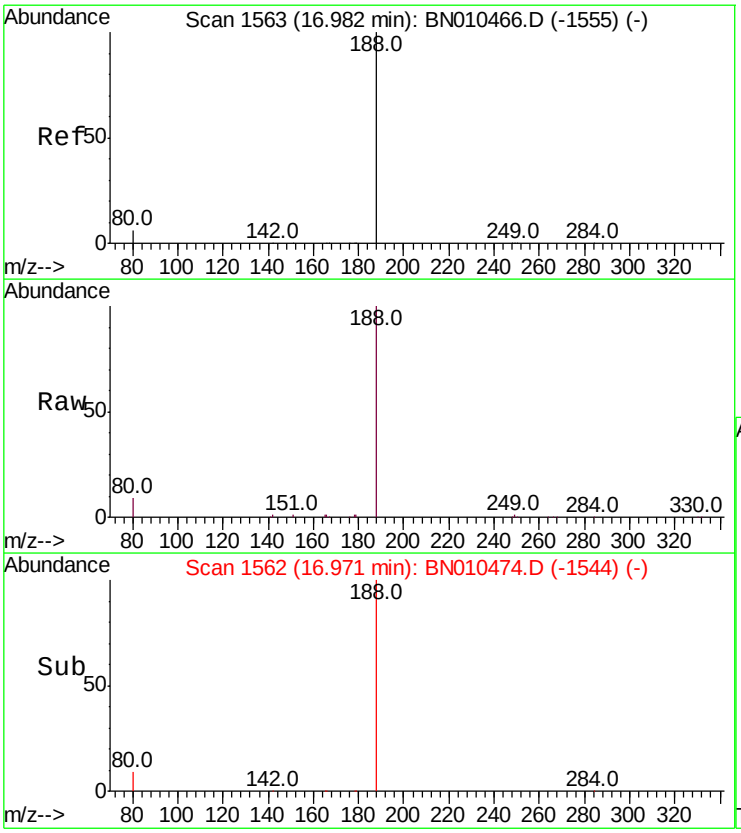
#18
Fluorene
Concen: 6.546 ng
RT: 15.28 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:166 Resp: 289021

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	13.2	10.9	16.3

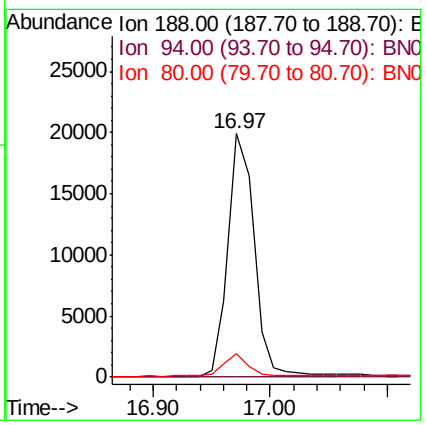


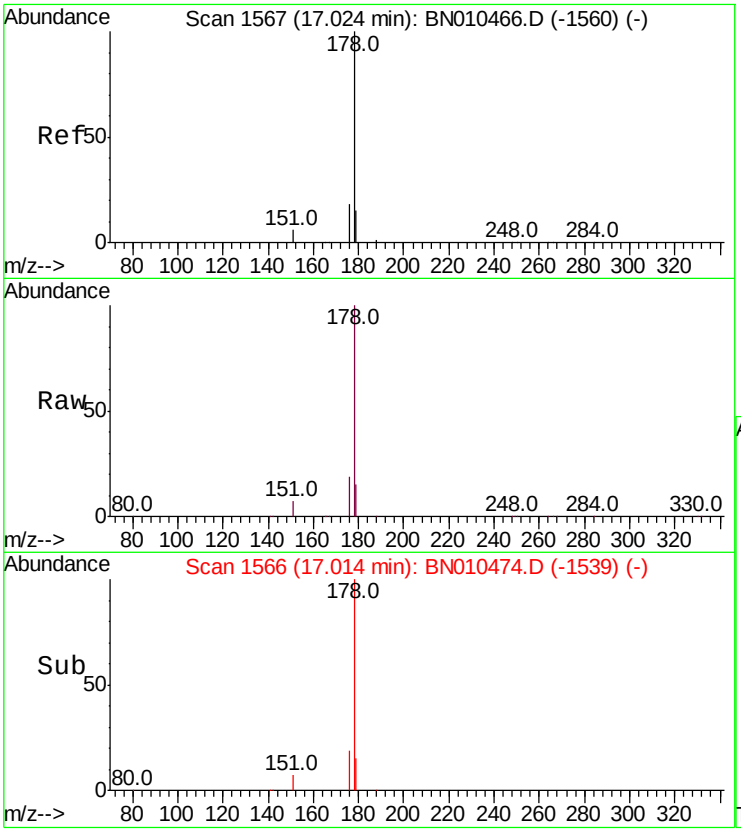


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.97 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:188 Resp: 30886

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



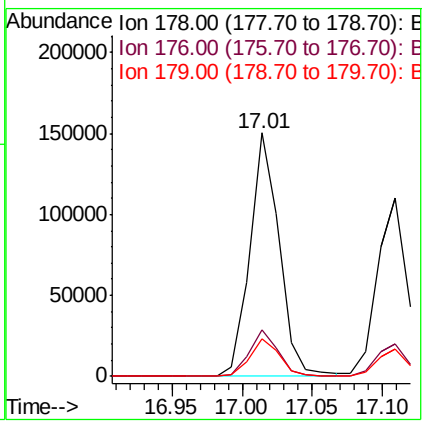


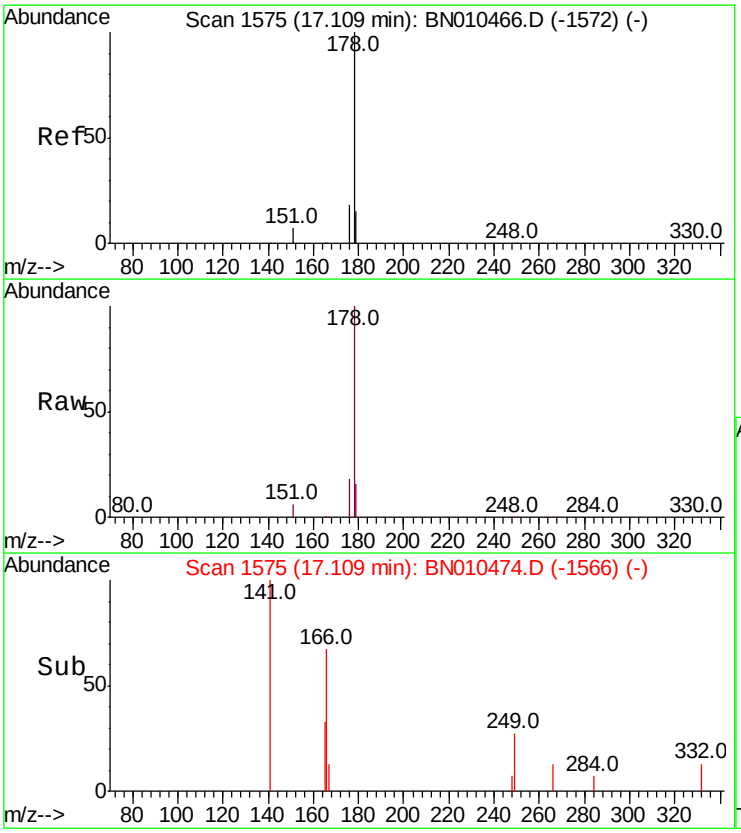
#23
Phenanthrene
Concen: 2.625 ng
RT: 17.01 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:178 Resp: 218968

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

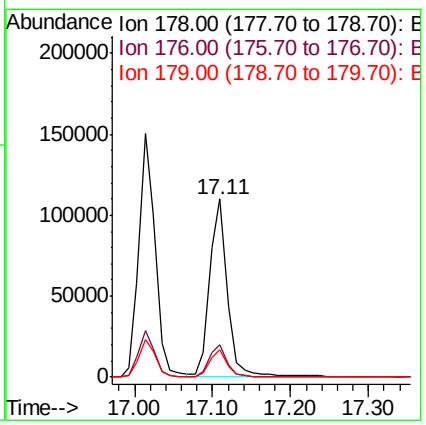


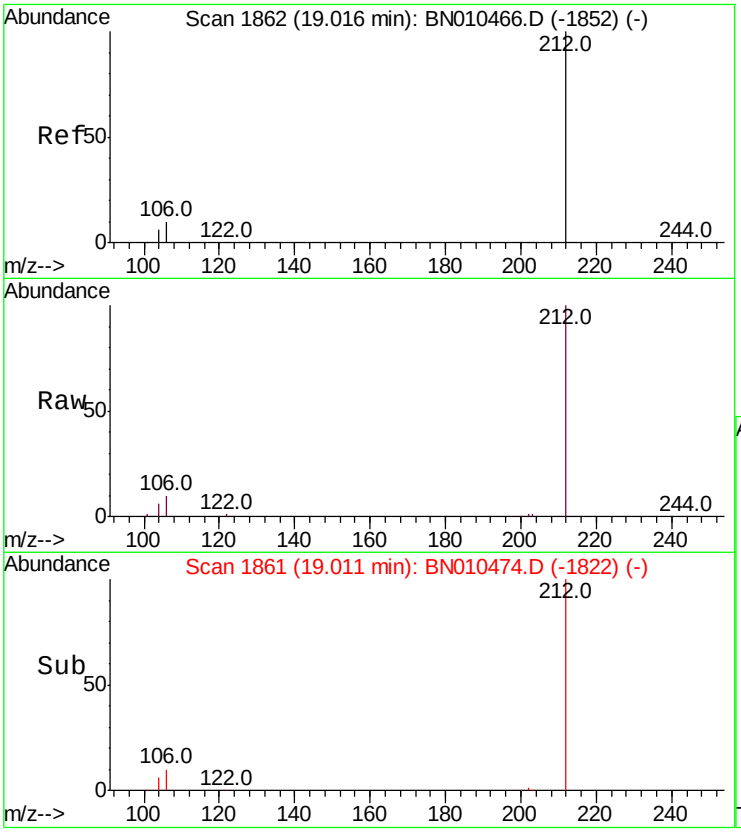


#24
Anthracene
Concen: 2.231 ng
RT: 17.11 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:178 Resp: 170147

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



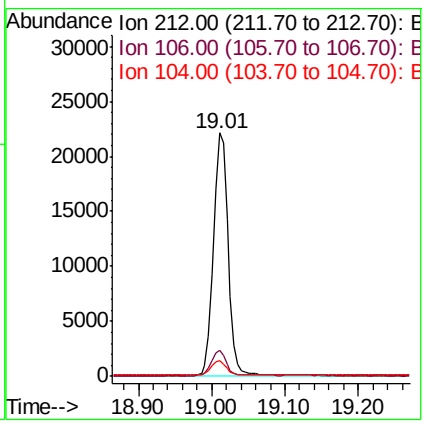


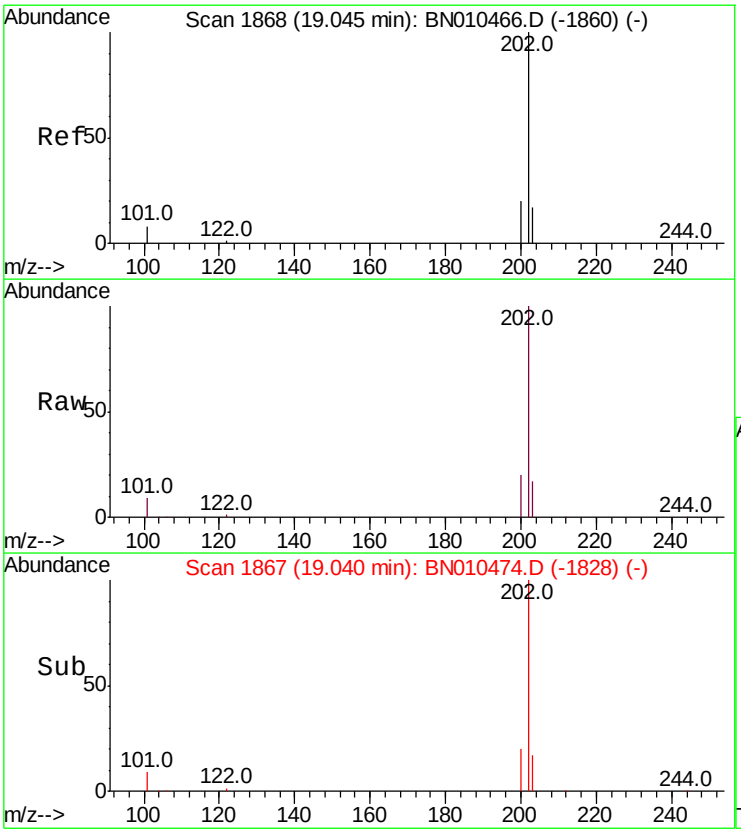
#25
Fluoranthene-d10
Concen: 0.325 ng
RT: 19.01 min Scan# 1861
Delta R.T. -0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:212 Resp: 30441

Ion	Ratio	Lower	Upper
212	100		
106	10.0	7.8	11.6
104	5.9	4.5	6.7

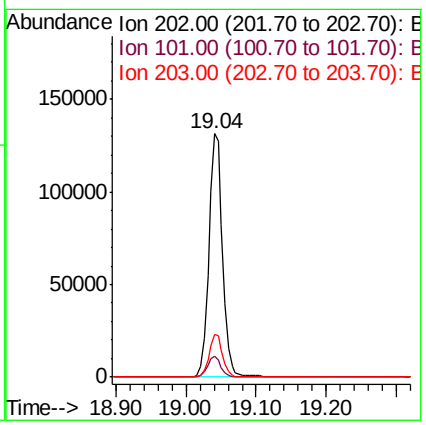


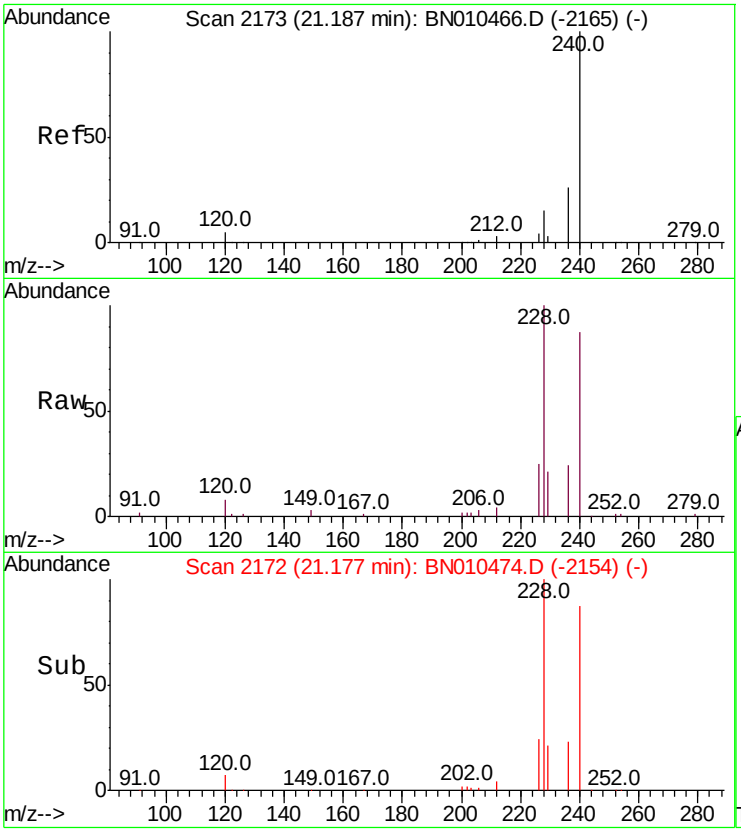


#26
Fluoranthene
Concen: 1.710 ng
RT: 19.04 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:202 Resp: 177517

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



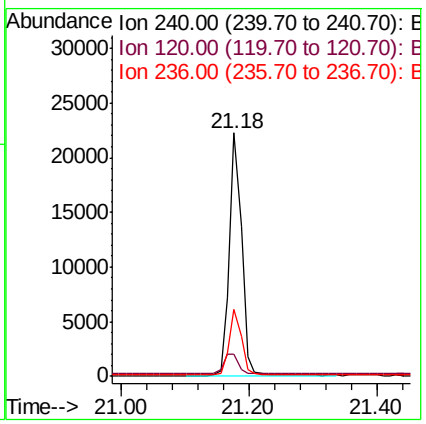


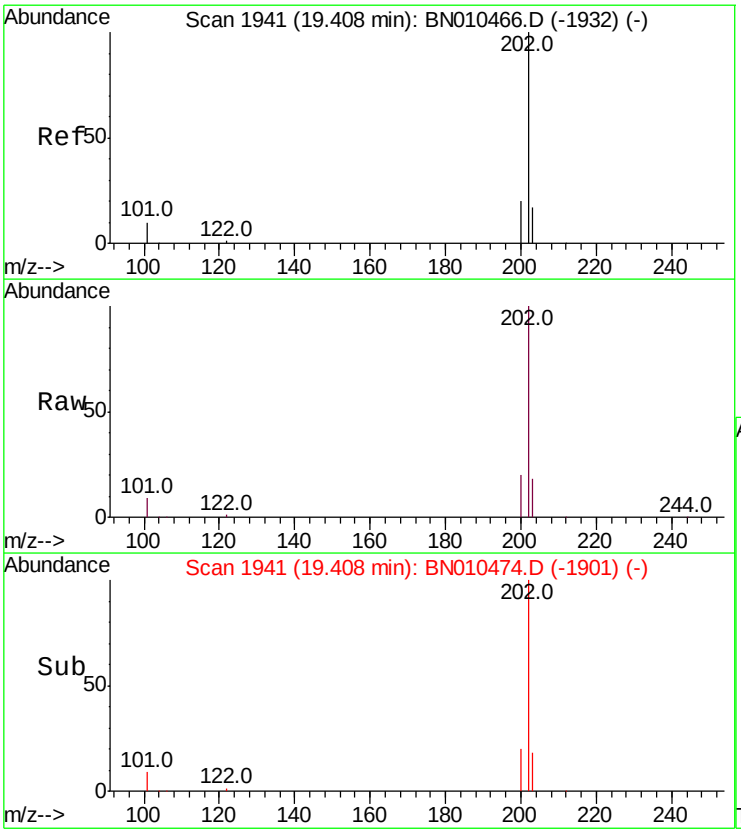
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.18 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:240 Resp: 29358

Ion	Ratio	Lower	Upper
240	100		
120	9.1	4.8	7.2#
236	27.3	21.4	32.0

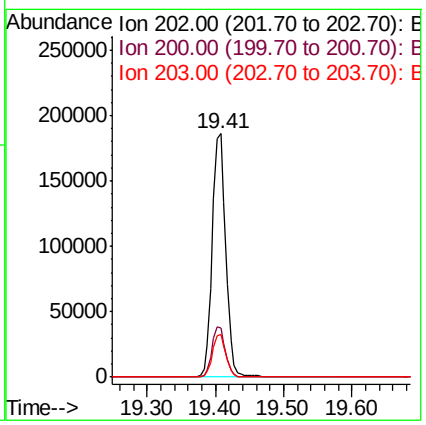


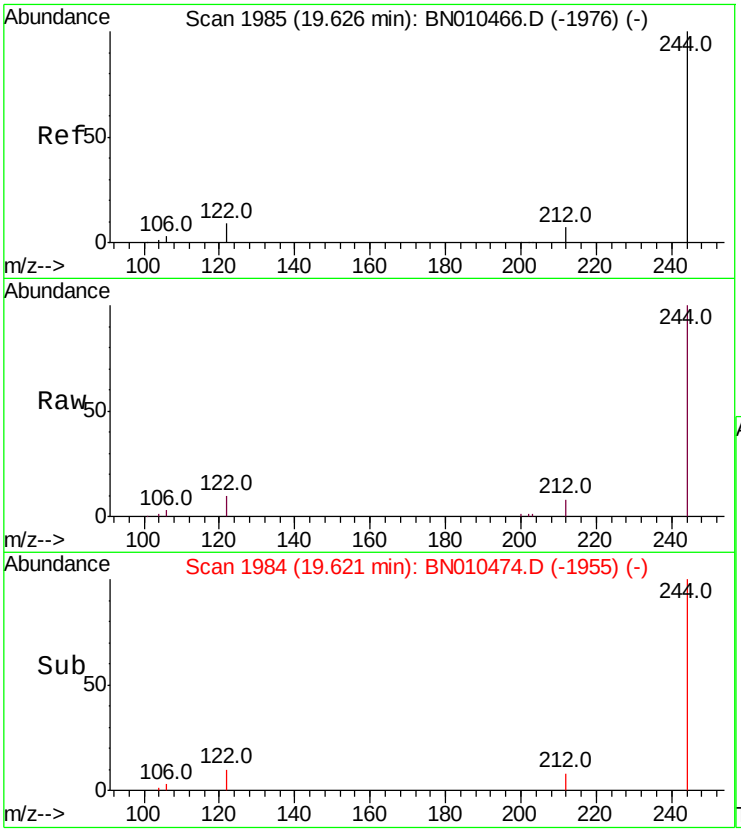


#28
Pyrene
Concen: 2.597 ng
RT: 19.41 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:202 Resp: 256666

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	17.3	14.0	21.0



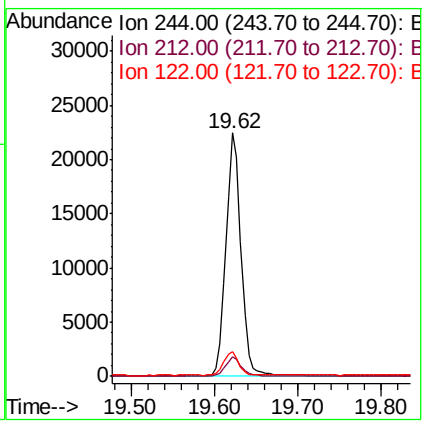


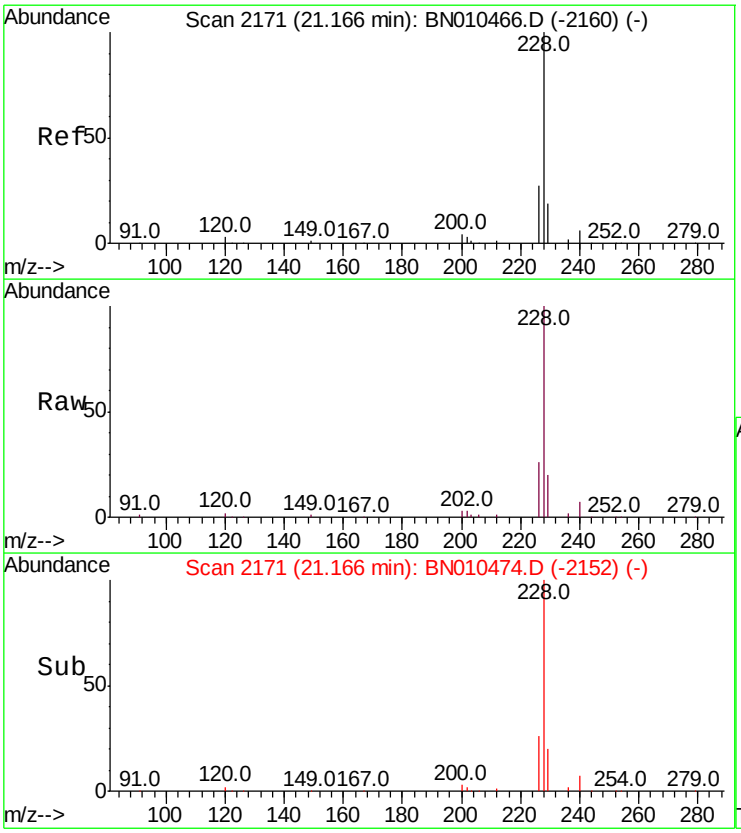
#29
Terphenyl-d14
Concen: 0.415 ng
RT: 19.62 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:244 Resp: 27914

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	10.0	7.8	11.8

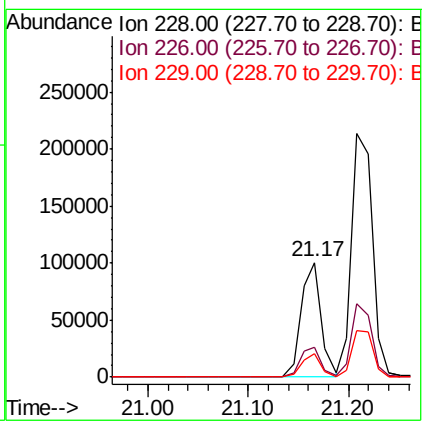


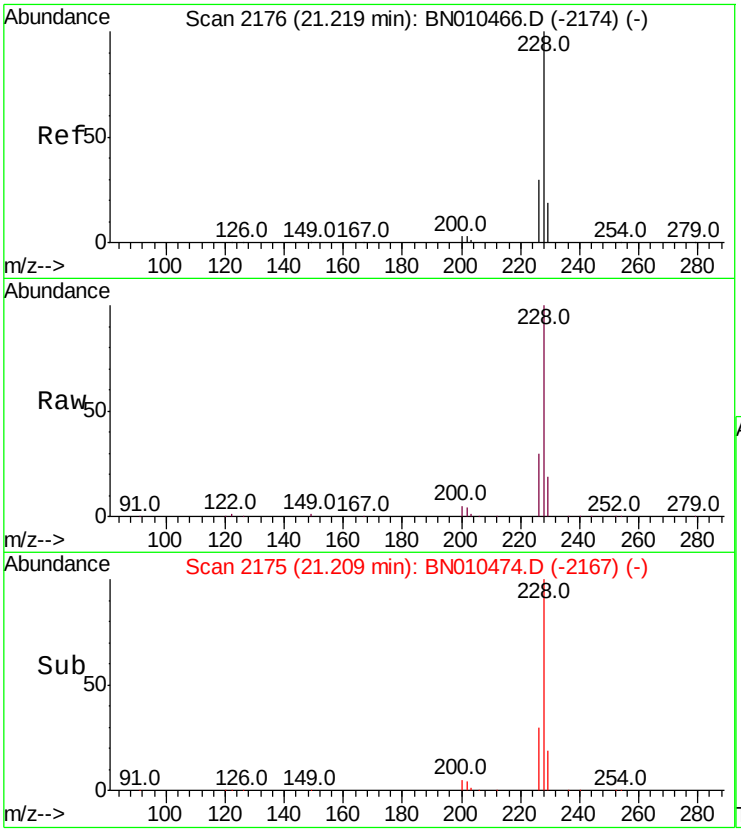


#30
Benzo(a)anthracene
Concen: 1.477 ng
RT: 21.17 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:228 Resp: 141500

Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.7	32.5
229	20.2	15.6	23.4



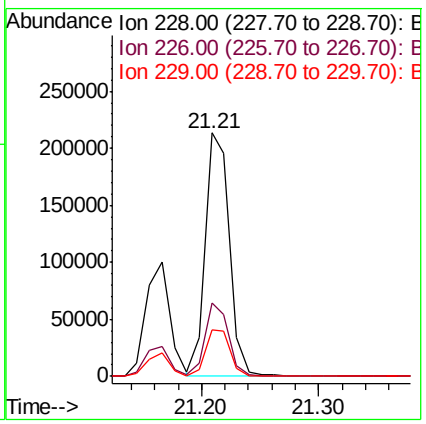


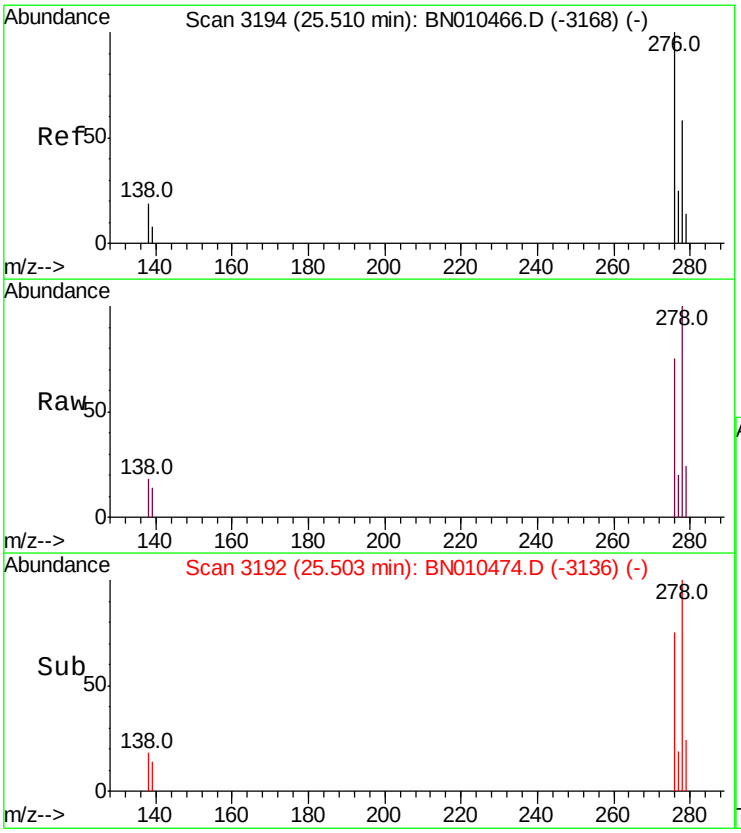
#31
Chrysene
Concen: 3.223 ng
RT: 21.21 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:228 Resp: 307545

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	19.2	15.8	23.6

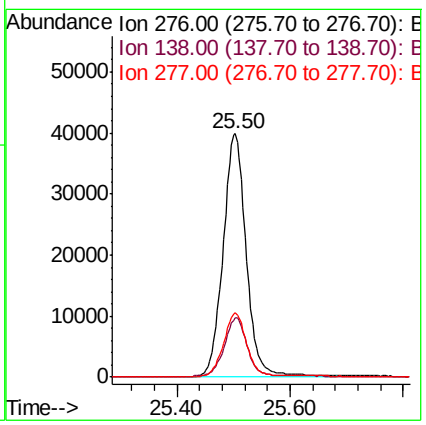


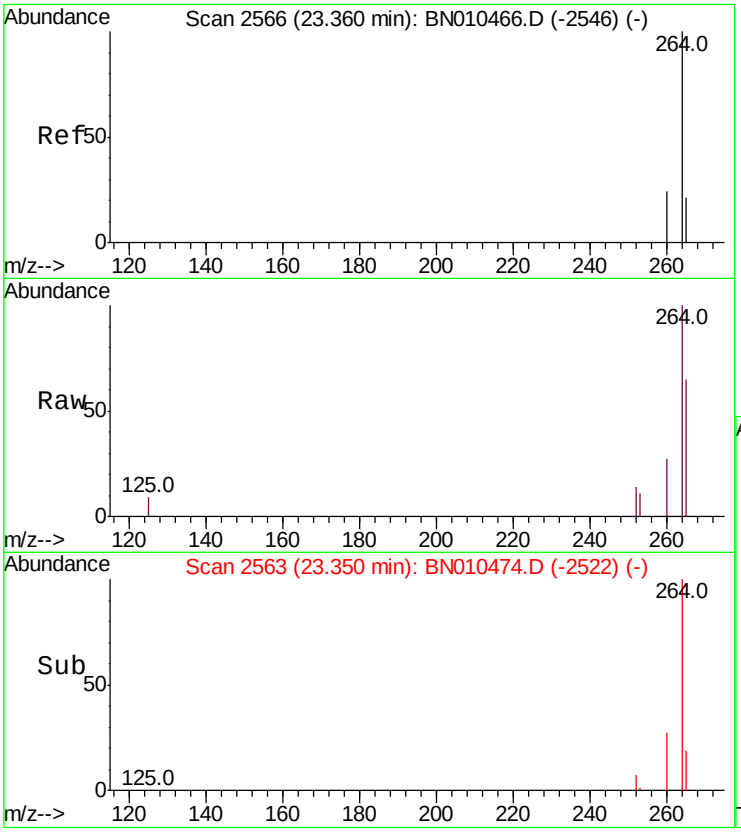


#33
Indeno(1,2,3-cd)pyrene
Concen: 1.331 ng
RT: 25.50 min Scan# 3192
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:276 Resp: 112257

Ion	Ratio	Lower	Upper
276	100		
138	24.0	16.4	24.6
277	26.0	19.8	29.6



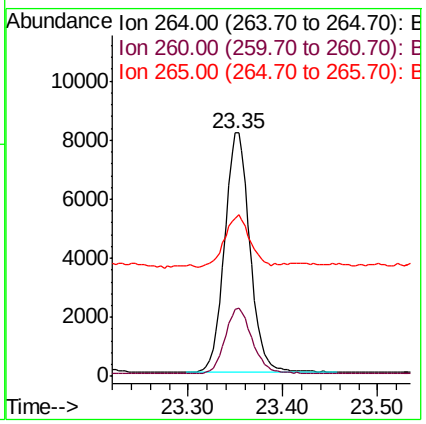


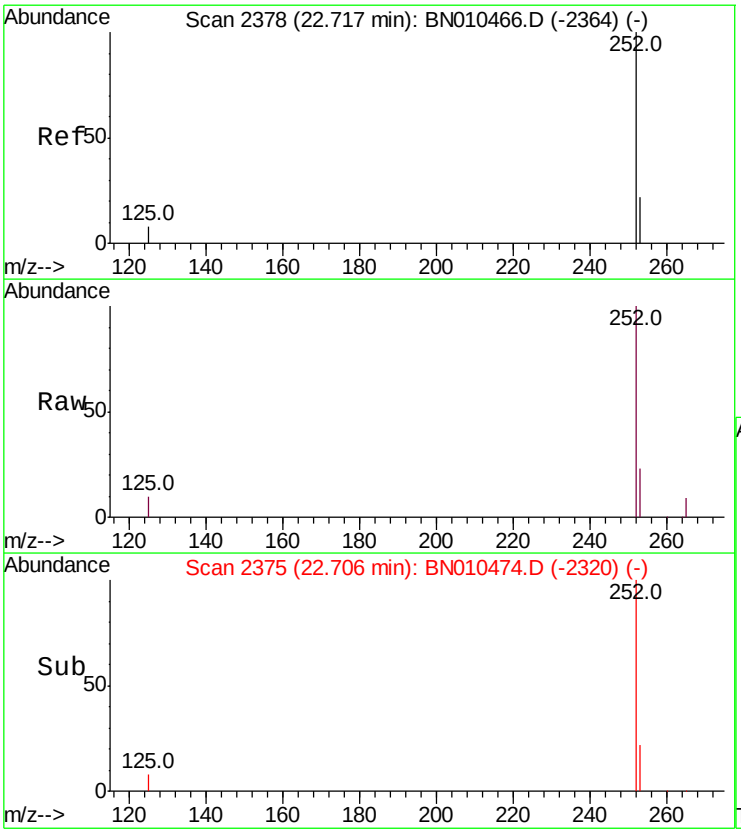
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:264 Resp: 15198

Ion	Ratio	Lower	Upper
264	100		
260	27.5	19.8	29.8
265	64.9	42.3	63.5#

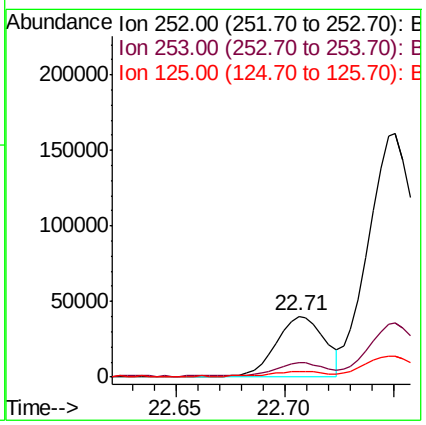


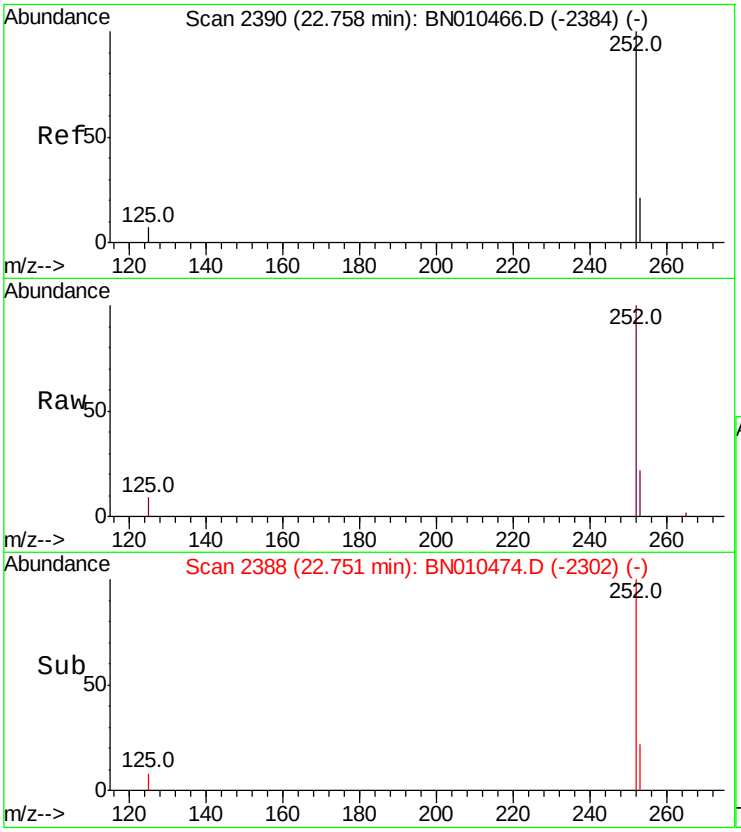


#35
Benzo(b)fluoranthene
Concen: 1.218 ng
RT: 22.71 min Scan# 2375
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:252 Resp: 60937

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.2	30.4
125	9.5	9.2	13.8



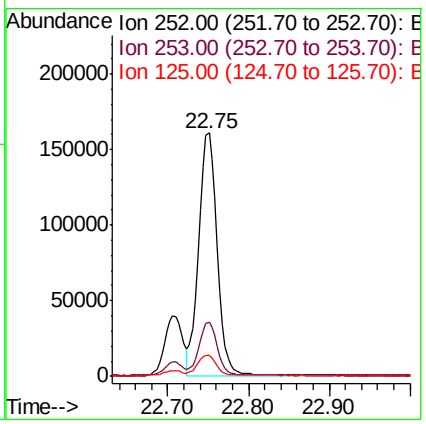


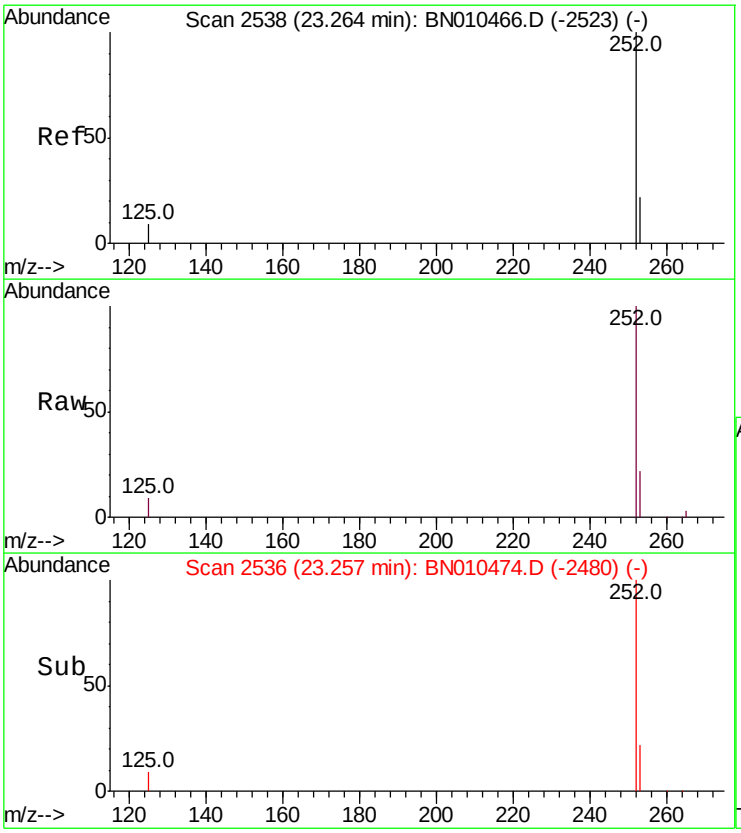
#36
Benzo(k)fluoranthene
Concen: 5.088 ng
RT: 22.75 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:252 Resp: 255121

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.1	30.1
125	8.6	9.6	14.4#

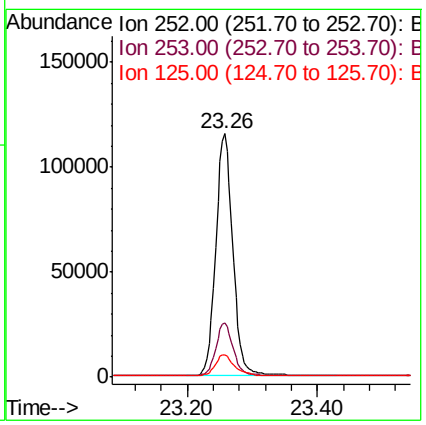


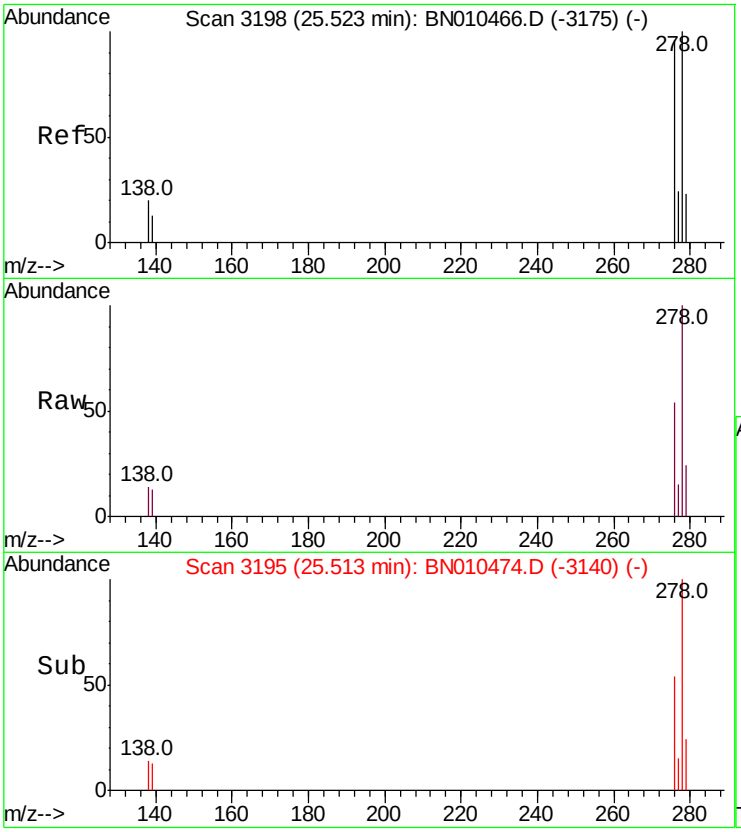


#37
Benzo(a)pyrene
Concen: 4.743 ng
RT: 23.26 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:252 Resp: 210094

Ion	Ratio	Lower	Upper
252	100		
253	22.4	21.8	32.8
125	9.3	11.0	16.6#



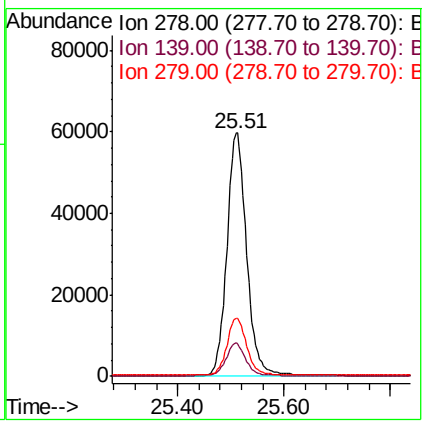


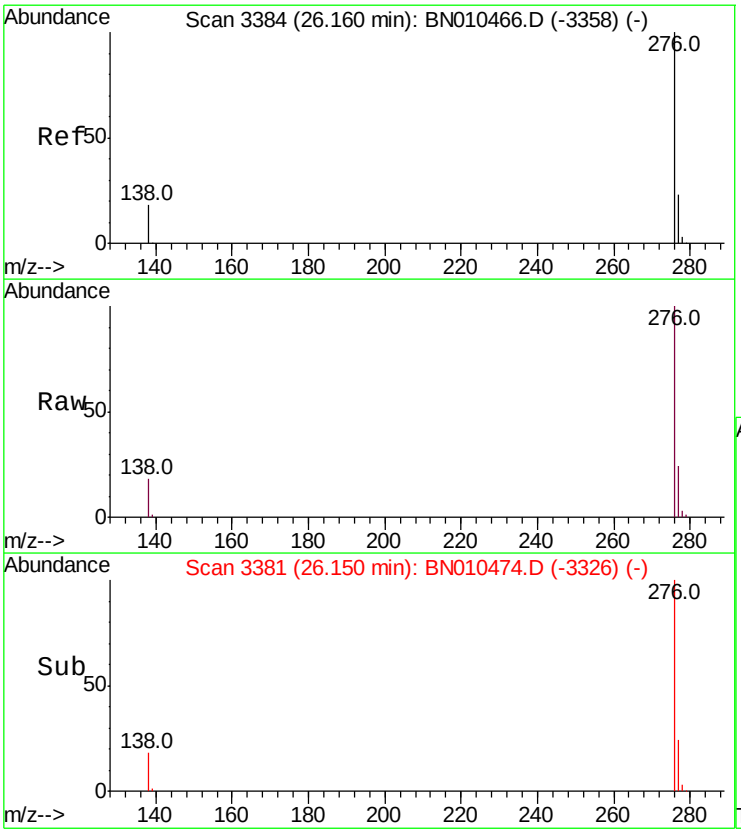
#38
Dibenzo(a,h)anthracene
Concen: 3.816 ng
RT: 25.51 min Scan# 3195
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:278 Resp: 154555

Ion	Ratio	Lower	Upper
278	100		
139	13.3	12.3	18.5
279	24.0	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 5.015 ng
RT: 26.15 min Scan# 3381
Delta R.T. -0.01 min
Lab File: BN010474.D
Acq: 14 Apr 2020 12:30

Tgt Ion:276 Resp: 204425

Ion	Ratio	Lower	Upper
276	100		
277	23.9	20.2	30.2
138	17.8	15.4	23.2