Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031320\
Data File : BN010213.D
Acq On : 13 Mar 2020 22:46
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : ICVBN031320

Quant Time: Mar 16 02:19:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 02:17:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	3436	0.40	ng		0.00
7) Naphthalene-d8	10.39	136	12544	0.40	ng		0.00
13) Acenaphthene-d10	14.26	164	8099	0.40	ng		0.00
19) Phenanthrene-d10	17.00	188	19355	0.40	ng		0.00
27) Chrysene-d12	21.20	240	20104	0.40	ng		0.00
34) Perylene-d12	23.37	264	23145	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	3242	0.40	ng		0.00
5) Phenol-d6	6.82	99	3955	0.39	ng		0.00
8) Nitrobenzene-d5	8.77	82	2869	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.99	152	8134	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.75	330	1135	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.88	172	11648	0.40	ng		0.00
25) Fluoranthene-d10	19.03	212	23770	0.40	ng		0.00
29) Terphenyl-d14	19.65	244	18316	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	1407	0.420	ng	#	56
3) n-Nitrosodimethylamine	3.57	42	1039	0.350	ng	#	23
6) bis(2-Chloroethyl)ether	7.07	93	3559	0.423	ng		97
9) Naphthalene	10.44	128	12454	0.396	ng		98
10) Hexachlorobutadiene	10.75	225	2910	0.402	ng	#	95
12) 2-Methylnaphthalene	12.06	142	8827	0.391	ng		98
16) Acenaphthylene	13.97	152	14989	0.401	ng		100
17) Acenaphthene	14.31	154	8906	0.393	ng		99
18) Fluorene	15.31	166	12421	0.402	ng		99
20) 4-Bromophenyl-phenylether	16.21	248	4383	0.394	ng		97
21) Hexachlorobenzene	16.32	284	4432	0.408	ng		98
22) Pentachlorophenol	16.66	266	1263	0.377	ng		93
23) Phenanthrene	17.04	178	20511	0.399	ng		100
24) Anthracene	17.13	178	20220	0.395	ng		100
26) Fluoranthene	19.06	202	26077	0.401	ng		100
28) Pyrene	19.43	202	27030	0.403	ng		99
30) Benzo(a)anthracene	21.17	228	27494	0.402	ng		97
31) Chrysene	21.23	228	26801	0.398	ng		99
32) Bis(2-ethylhexyl)phthalate	21.15	149	10373	0.356	ng	#	96
33) Indeno(1,2,3-cd)pyrene	25.53	276	33130	0.415	ng		98
35) Benzo(b)fluoranthene	22.73	252	27611	0.388	ng		100
36) Benzo(k)fluoranthene	22.77	252	28669	0.399	ng		99
37) Benzo(a)pyrene	23.28	252	26062	0.388	ng		99
38) Dibenzo(a,h)anthracene	25.55	278	27202	0.404	ng		99
39) Benzo(g,h,i)perylene	26.18	276	26960	0.401	ng		99

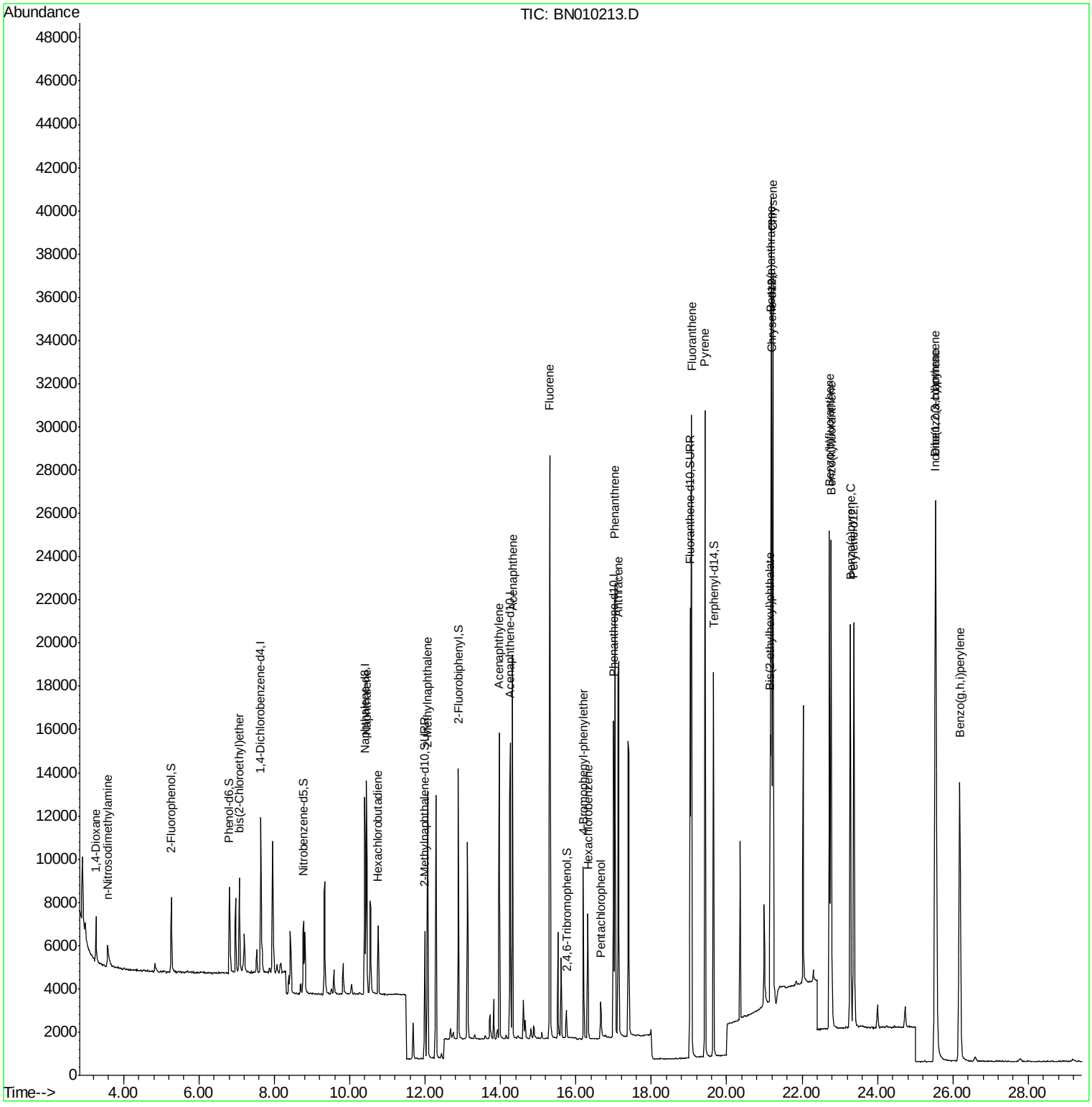
(#) = qualifier out of range (m) = manual integration (+) = signals summed

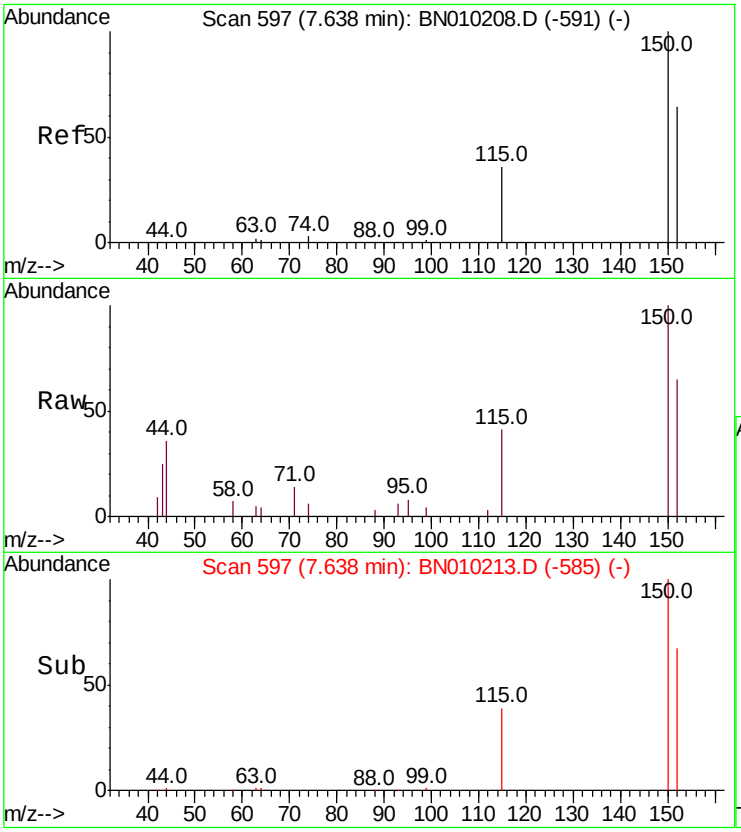
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031320\
Data File : BN010213.D
Acq On : 13 Mar 2020 22:46
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Quant Time: Mar 16 02:19:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 02:17:23 2020
Response via : Initial Calibration



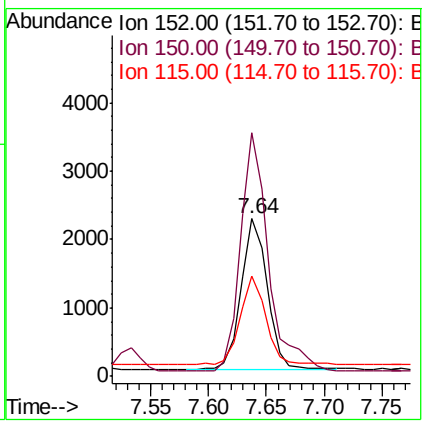


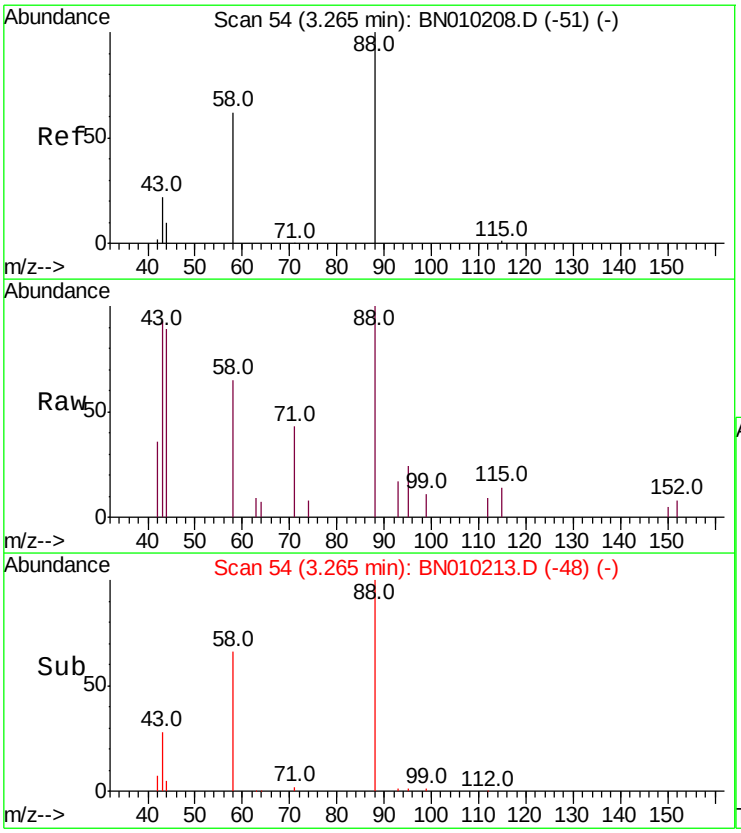
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 597
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:152 Resp: 3436

Ion	Ratio	Lower	Upper
152	100		
150	154.6	119.5	179.3
115	63.3	50.9	76.3

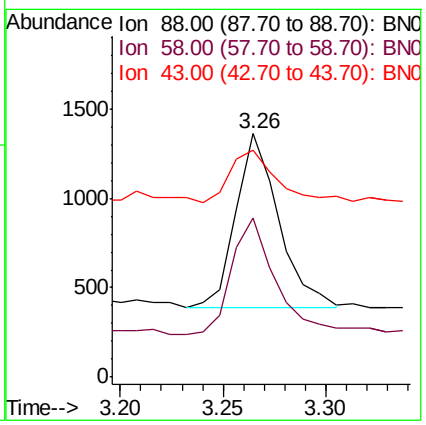


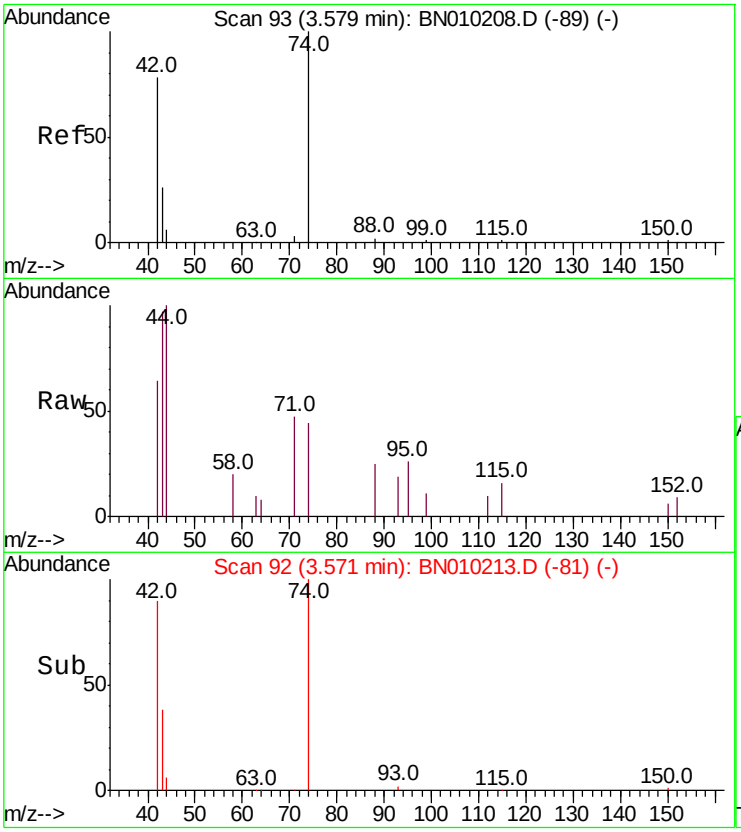


#2
1,4-Dioxane
Concen: 0.420 ng
RT: 3.26 min Scan# 54
Delta R.T. 0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion: 88 Resp: 1407

Ion	Ratio	Lower	Upper
88	100		
58	67.7	97.8	146.8#
43	31.1	45.1	67.7#



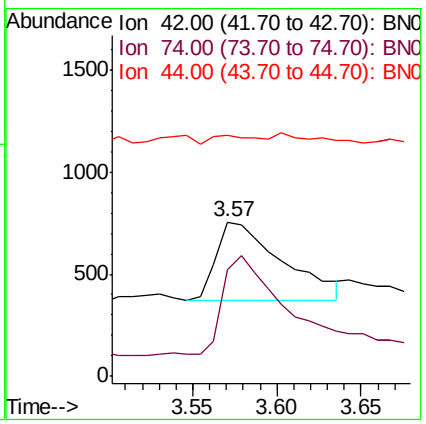


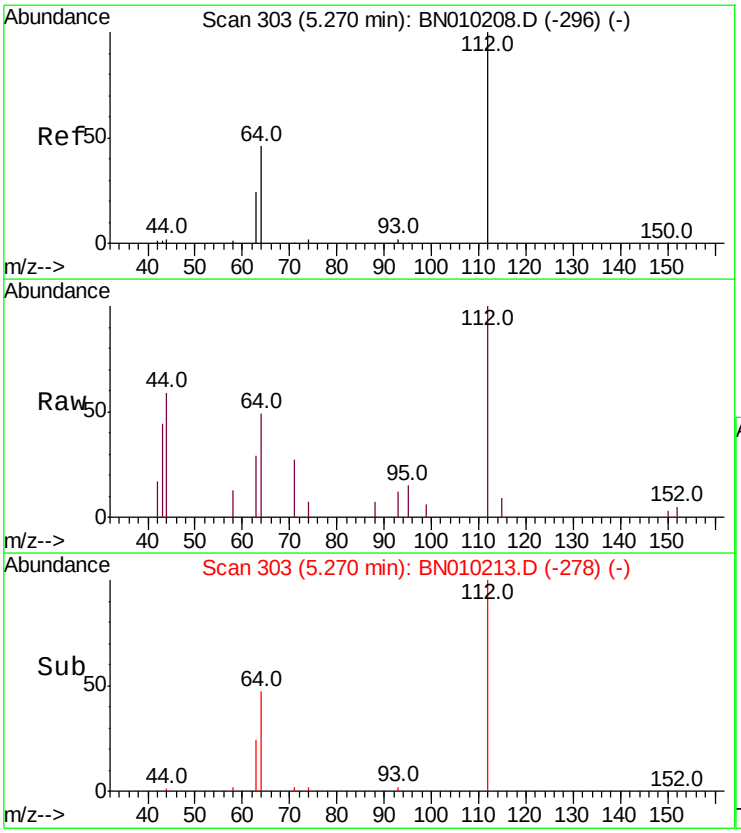
#3
n-Nitrosodimethylamine
Concen: 0.350 ng
RT: 3.57 min Scan# 92
Delta R.T. -0.01 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion: 42 Resp: 1039

Ion	Ratio	Lower	Upper
42	100		
74	127.0	51.2	76.8#
44	7.8	2.6	4.0#

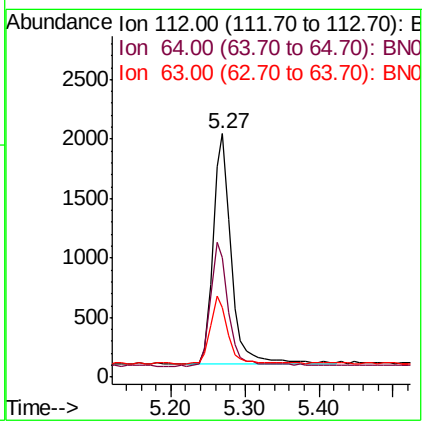


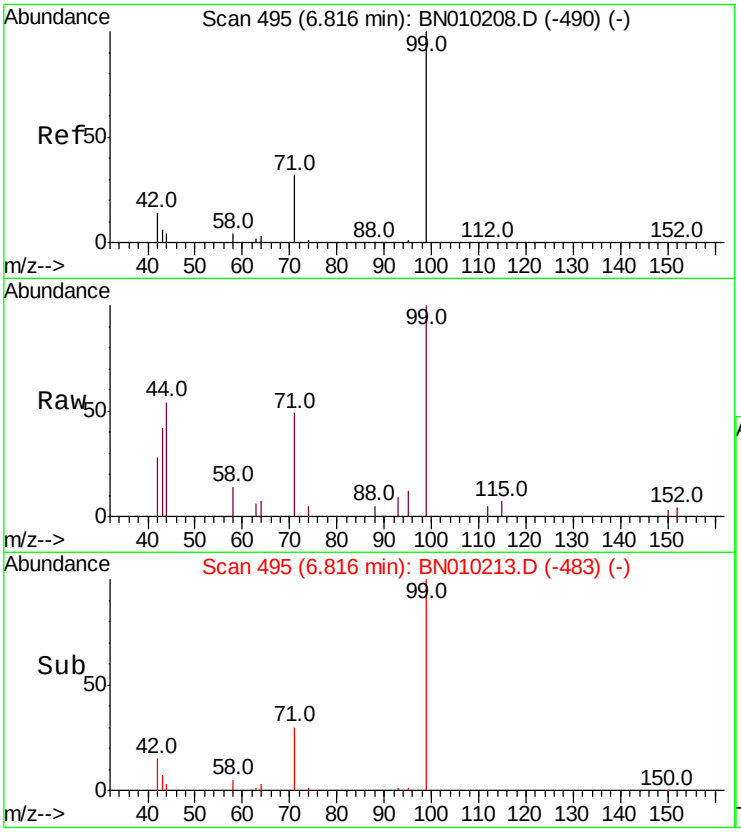


#4
2-Fluorophenol
Concen: 0.402 ng
RT: 5.27 min Scan# 303
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:112 Resp: 3242

Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.6	63.8
63	28.4	23.6	35.4



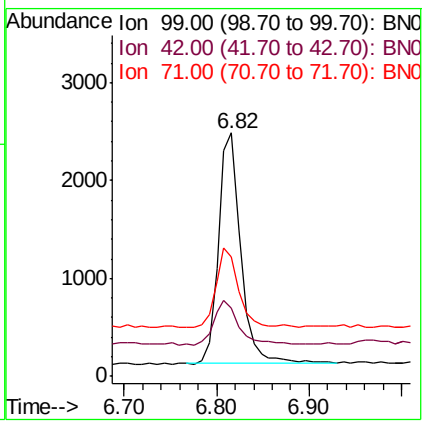


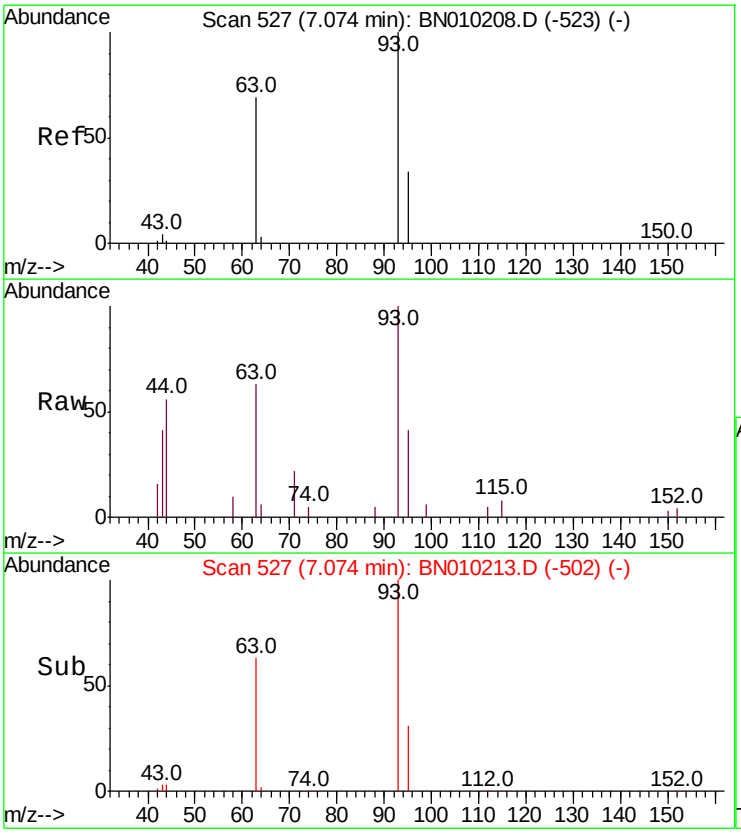
#5
Phenol-d6
Concen: 0.392 ng
RT: 6.82 min Scan# 495
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion: 99 Resp: 3955

Ion	Ratio	Lower	Upper
99	100		
42	21.6	12.0	18.0#
71	34.3	22.6	33.8#

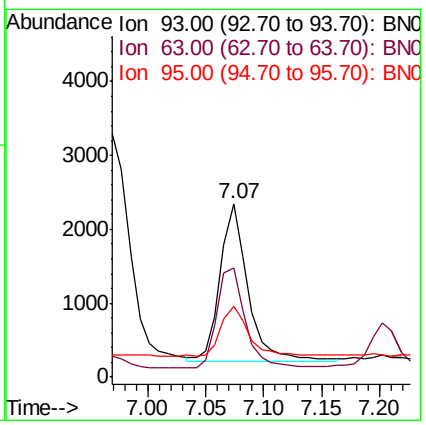


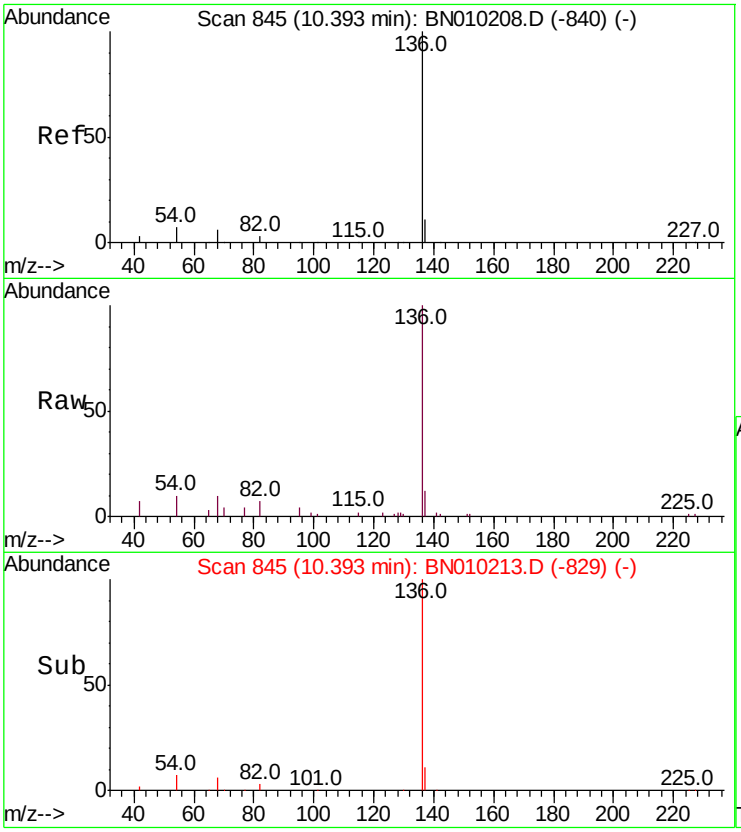


#6
bis(2-Chloroethyl)ether
Concen: 0.423 ng
RT: 7.07 min Scan# 527
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion: 93 Resp: 3559

Ion	Ratio	Lower	Upper
93	100		
63	65.2	53.4	80.0
95	32.8	28.6	42.8



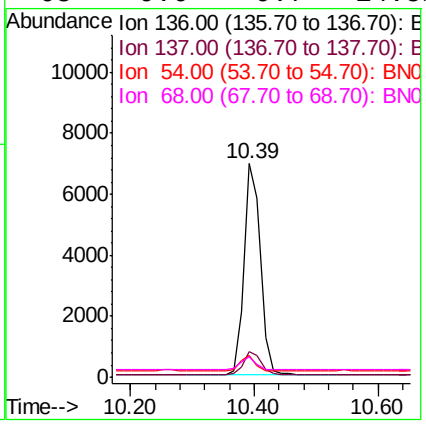


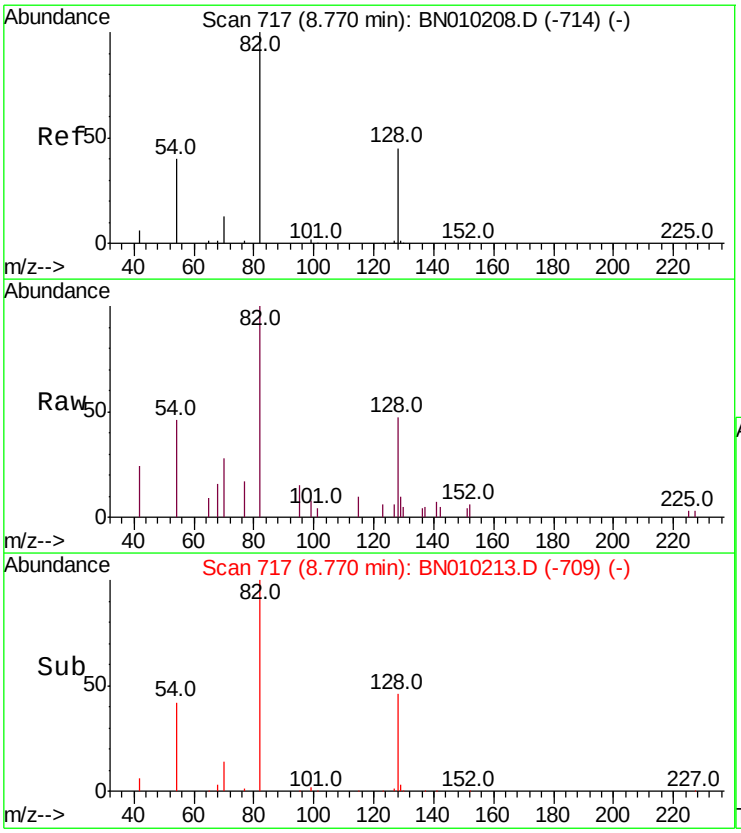
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.39 min Scan# 845
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:136 Resp: 12544

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.6	15.8
54	10.1	9.5	14.3
68	9.6	9.7	14.5#

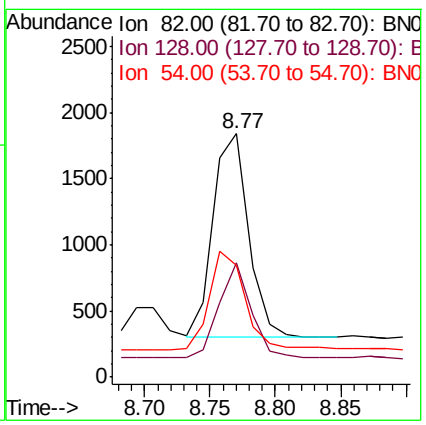


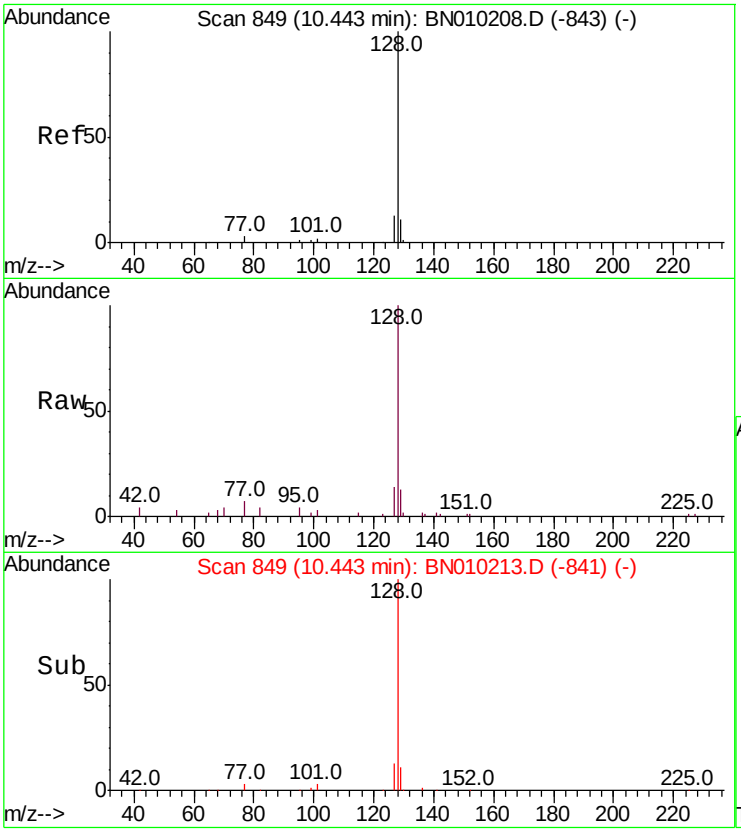


#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 8.77 min Scan# 717
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion: 82 Resp: 2869

Ion	Ratio	Lower	Upper
82	100		
128	46.9	35.0	52.6
54	46.1	37.0	55.4



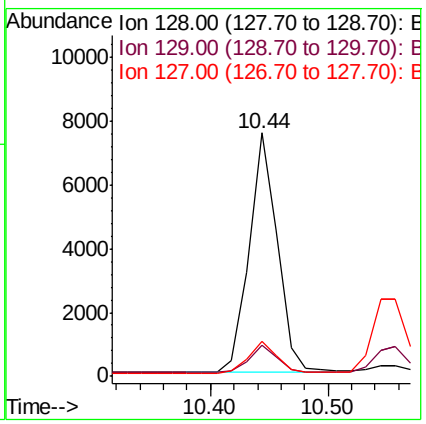


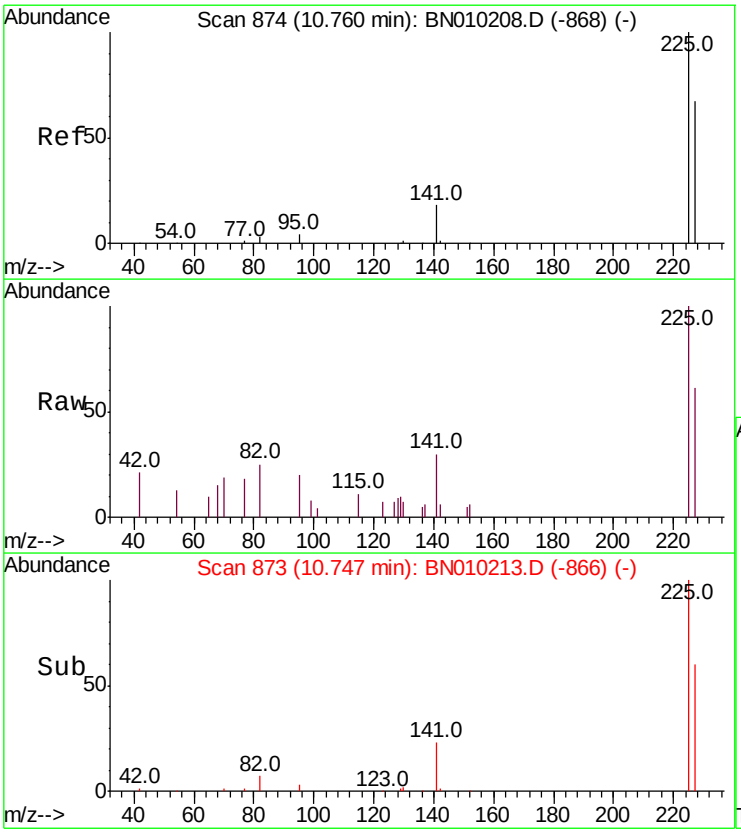
#9
Naphthalene
Concen: 0.396 ng
RT: 10.44 min Scan# 849
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:128 Resp: 12454

Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.5	15.7
127	14.3	12.1	18.1

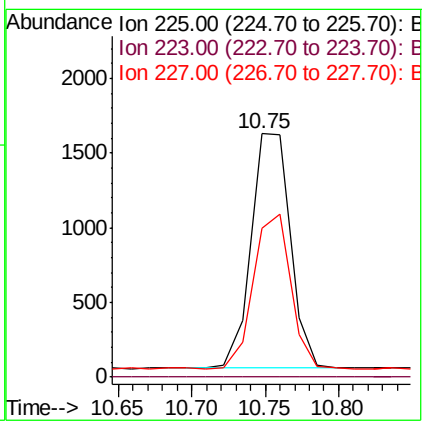


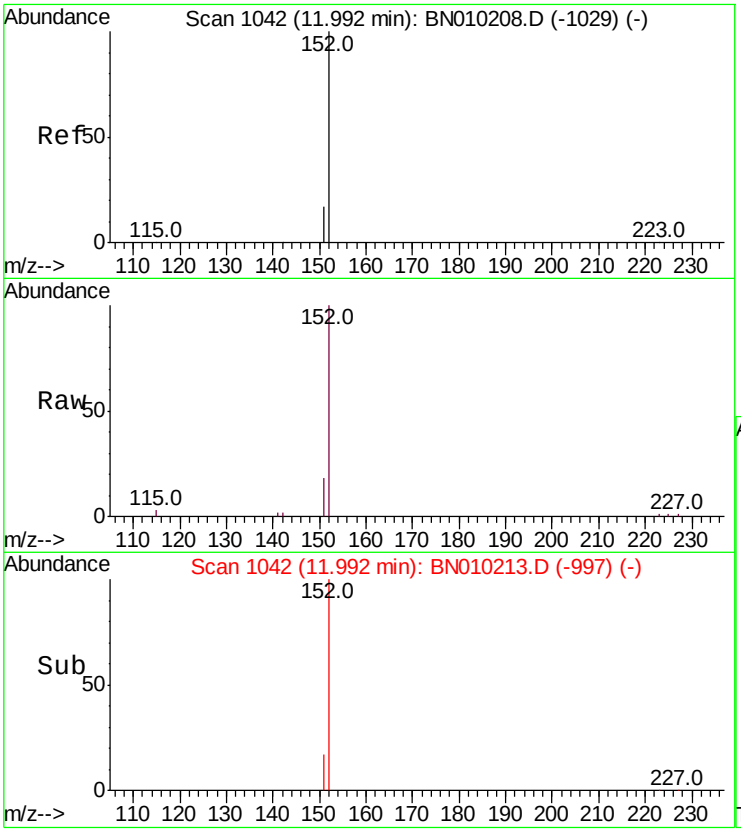


#10
Hexachlorobutadiene
Concen: 0.402 ng
RT: 10.75 min Scan# 873
Delta R.T. -0.01 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:225 Resp: 2910

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.0	53.4	80.2



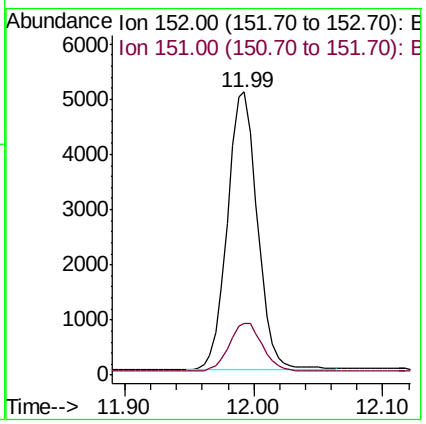


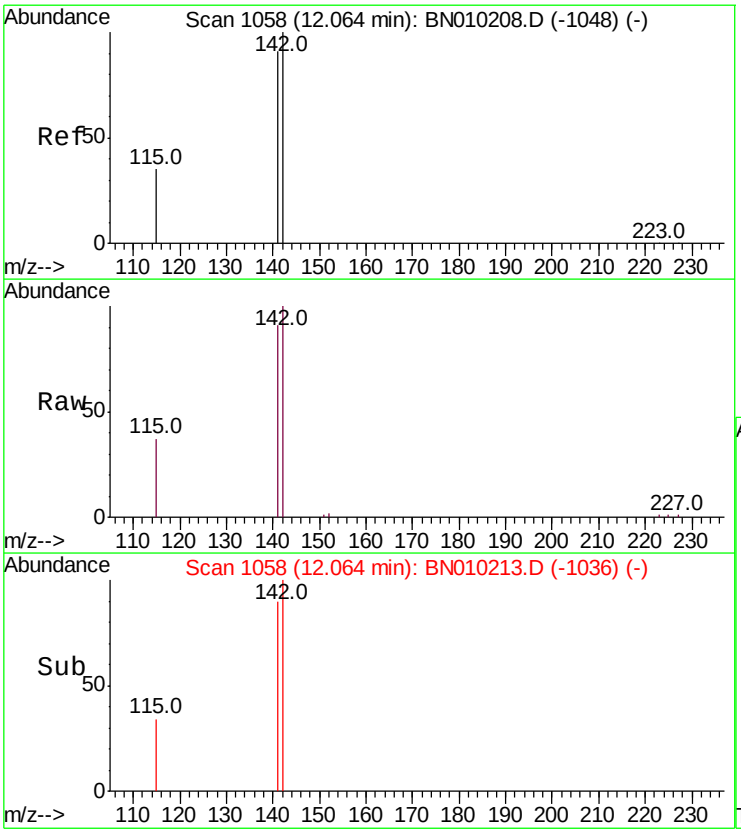
#11
2-Methylnaphthalene-d10
Concen: 0.393 ng
RT: 11.99 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:152 Resp: 8134

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.0	22.6

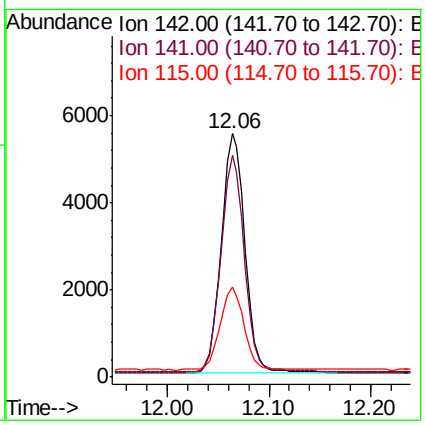


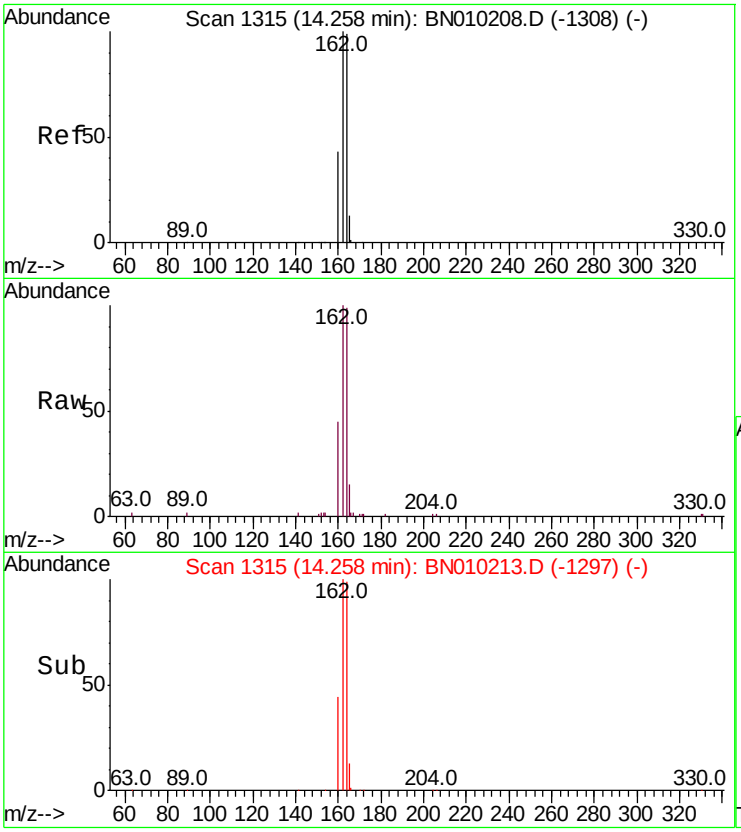


#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 12.06 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:142 Resp: 8827

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.7	110.5
115	36.9	31.2	46.8



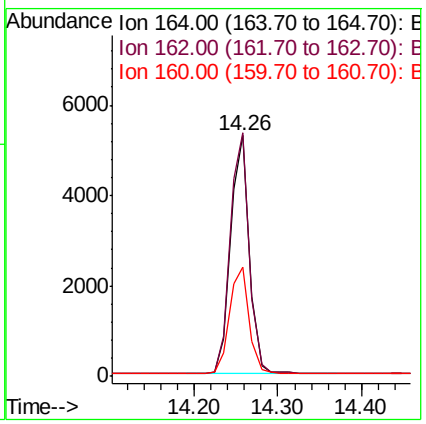


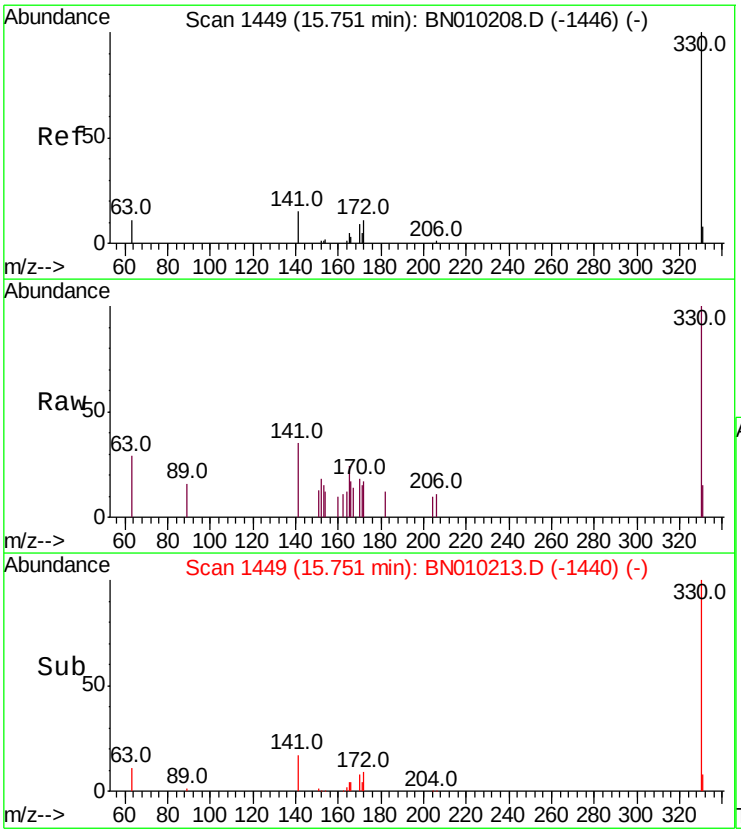
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:164 Resp: 8099

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.0	121.4
160	45.4	35.6	53.4

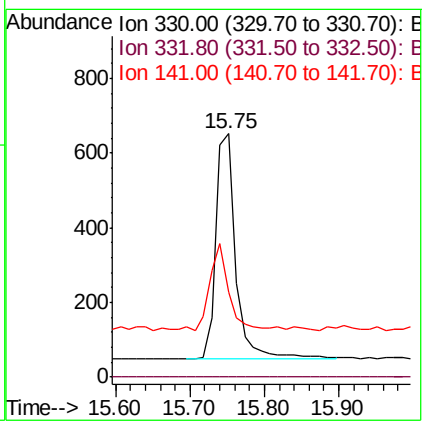


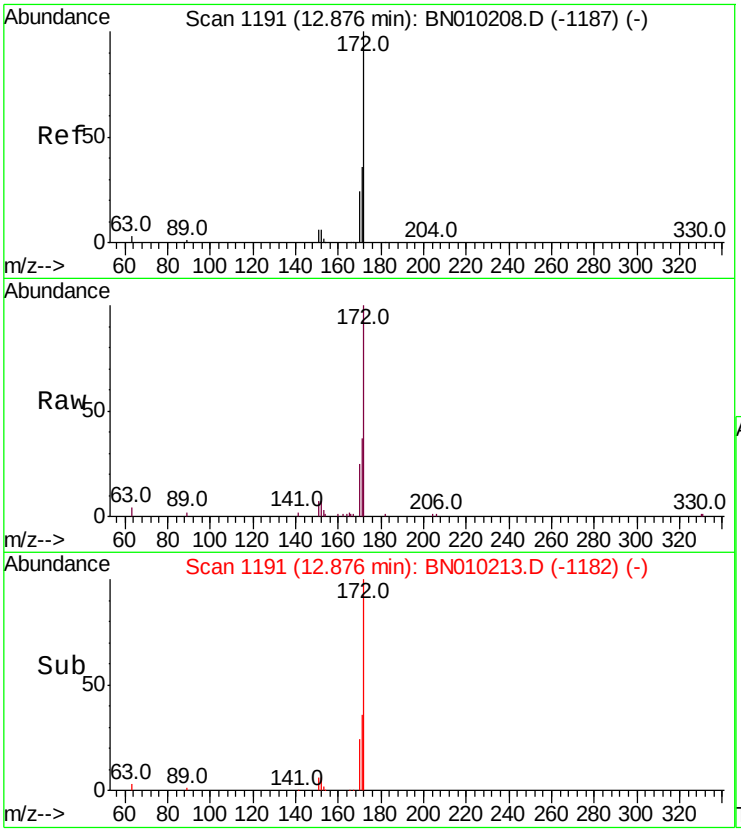


#14
2,4,6-Tribromophenol
Concen: 0.392 ng
RT: 15.75 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:330 Resp: 1135

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.7	25.1	37.7



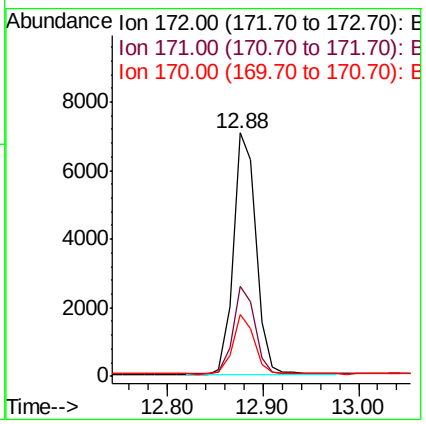


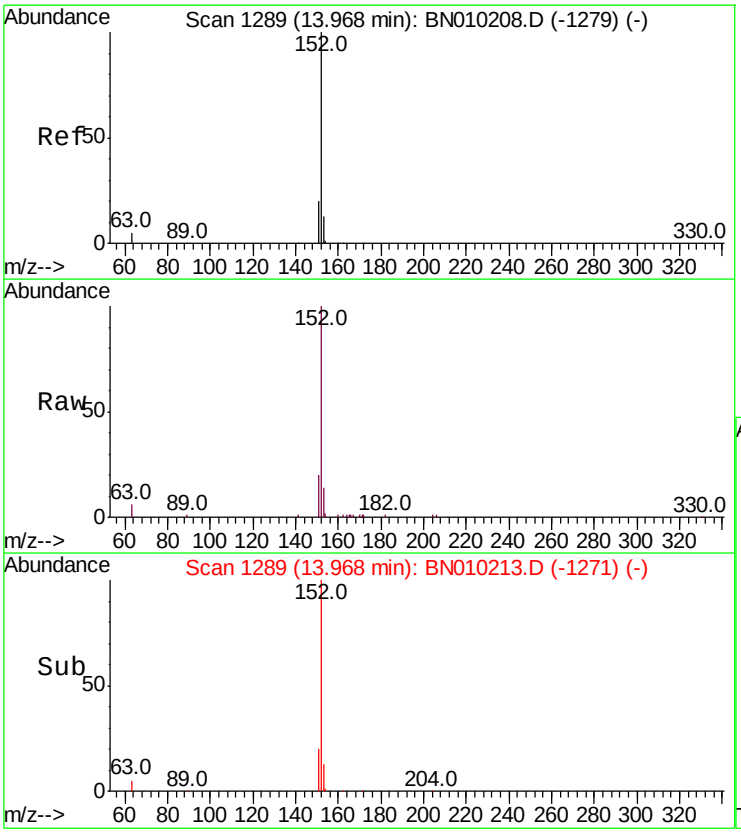
#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.88 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:172 Resp: 11648

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.2
170	25.2	20.2	30.4

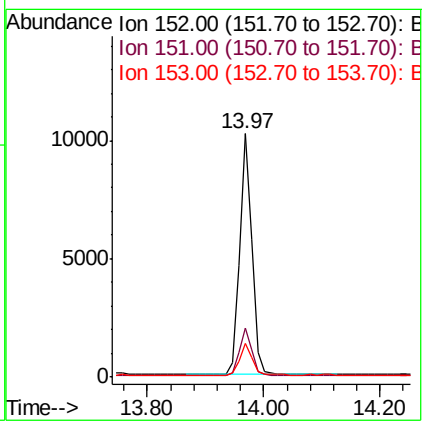


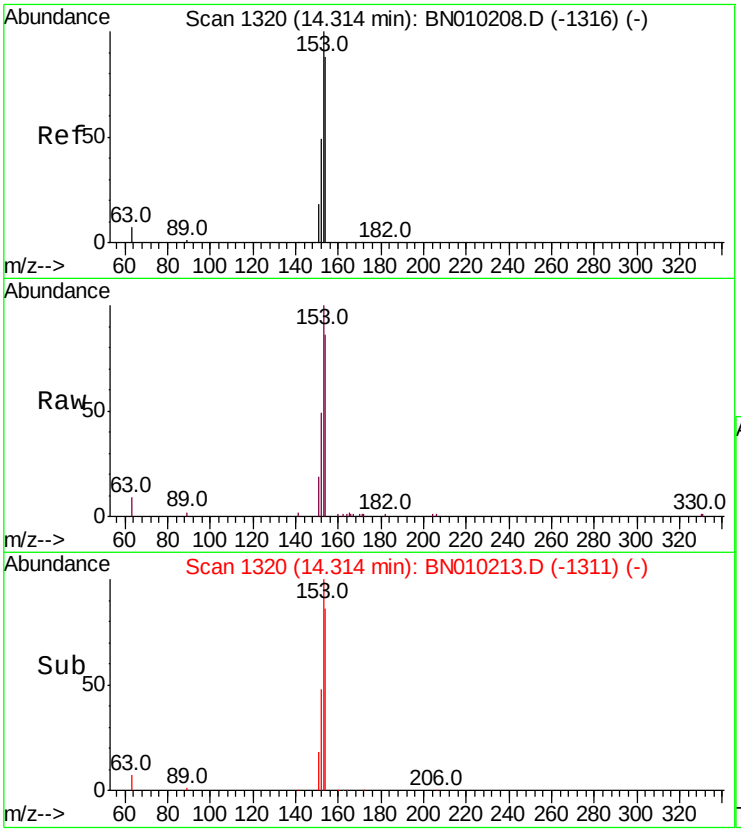


#16
Acenaphthylene
Concen: 0.401 ng
RT: 13.97 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:152 Resp: 14989

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.3	10.6	16.0



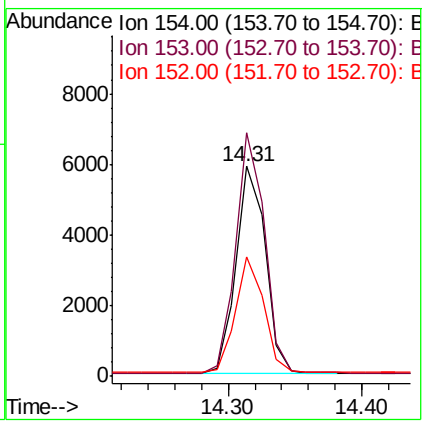


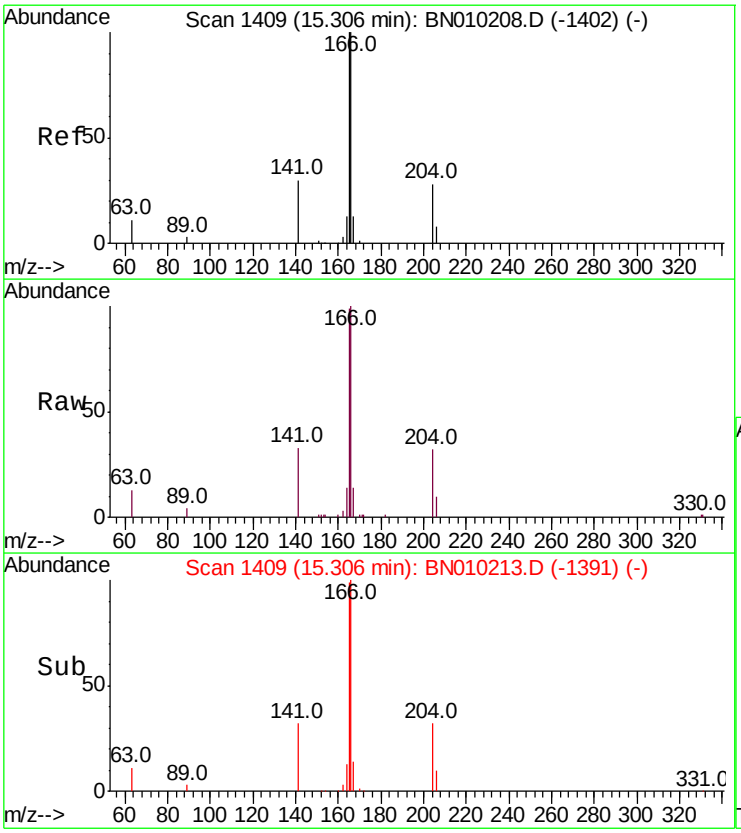
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:154 Resp: 8906

Ion	Ratio	Lower	Upper
154	100		
153	114.7	90.3	135.5
152	54.4	42.9	64.3

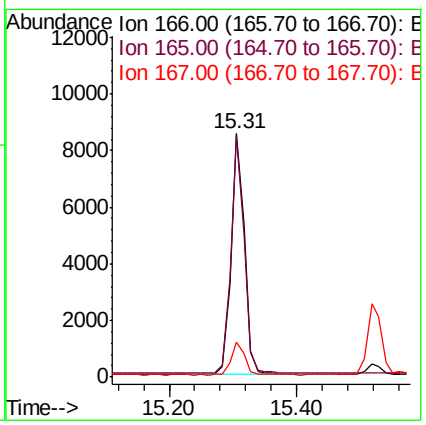


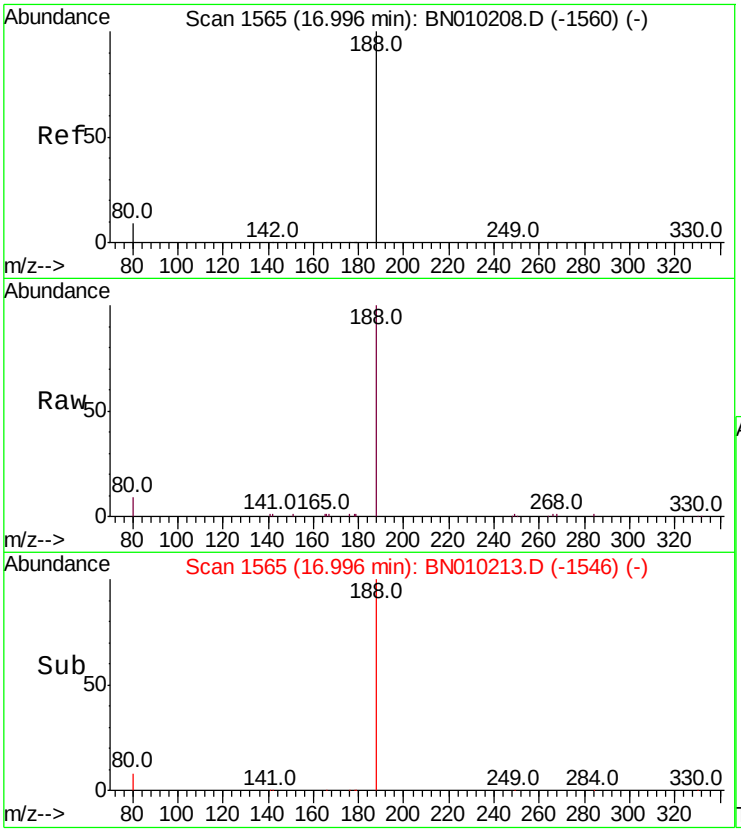


#18
Fluorene
Concen: 0.402 ng
RT: 15.31 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:166 Resp: 12421

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.3	117.5
167	13.7	10.7	16.1



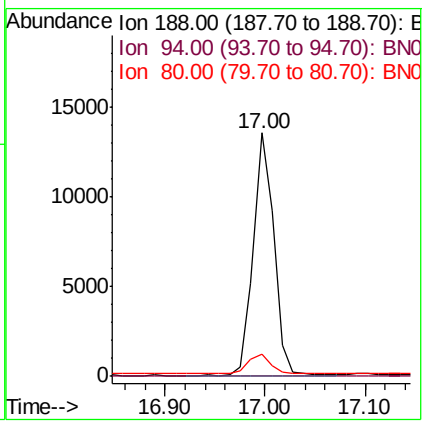


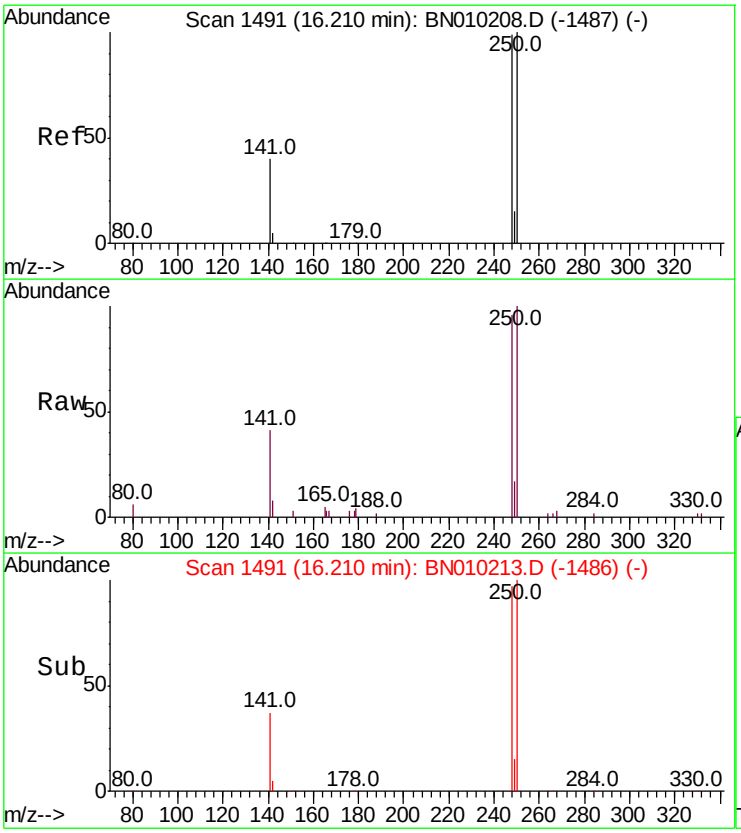
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:188 Resp: 19355

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	8.6	12.8

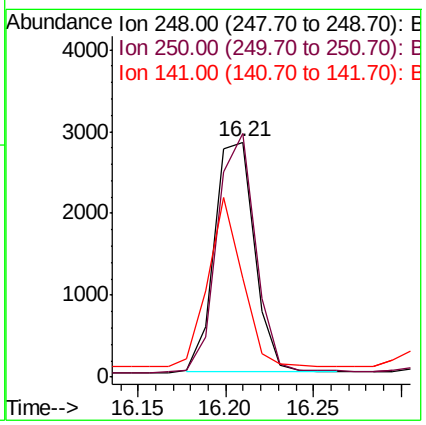


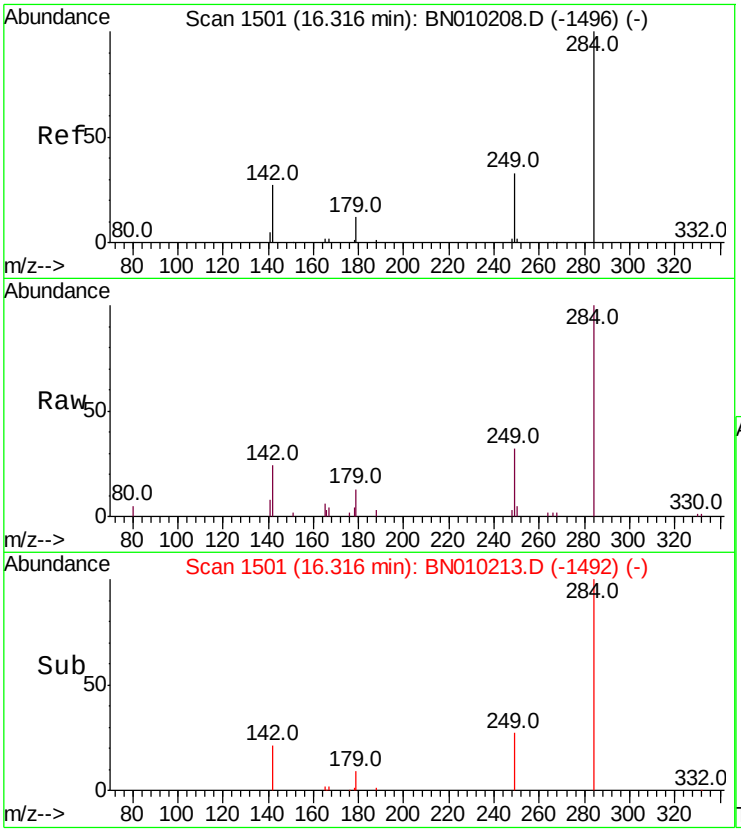


#20
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 16.21 min Scan# 1491
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:248 Resp: 4383

Ion	Ratio	Lower	Upper
248	100		
250	103.7	81.2	121.8
141	42.3	36.7	55.1



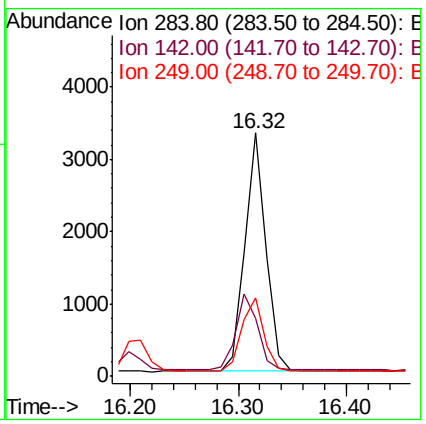


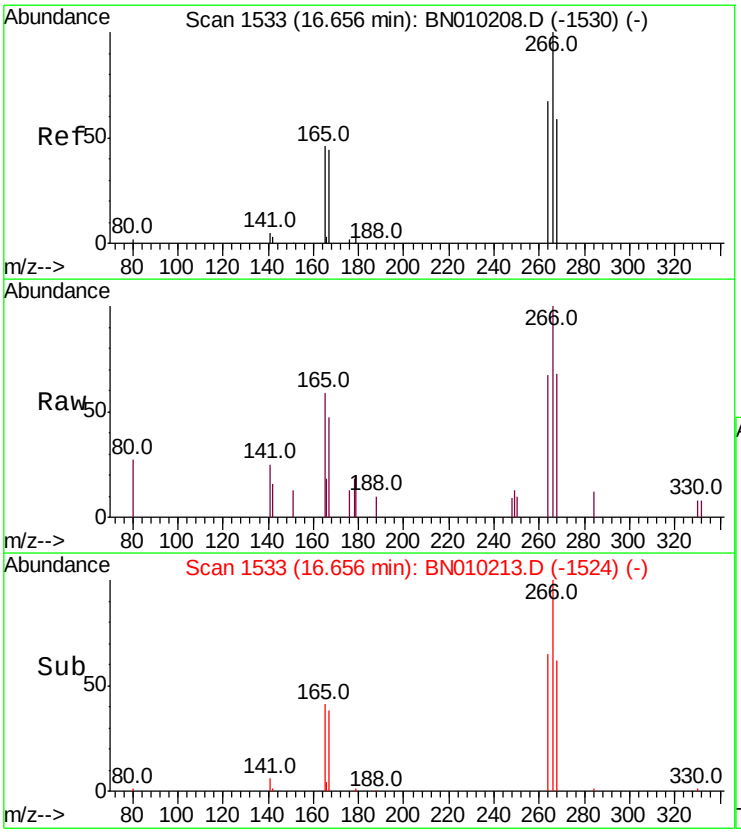
#21
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.32 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:284 Resp: 4432

Ion	Ratio	Lower	Upper
284	100		
142	33.4	27.8	41.6
249	33.6	26.6	39.8

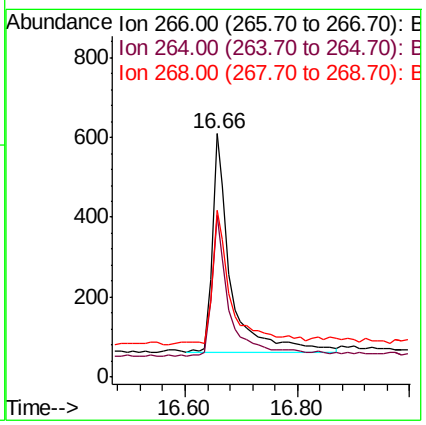


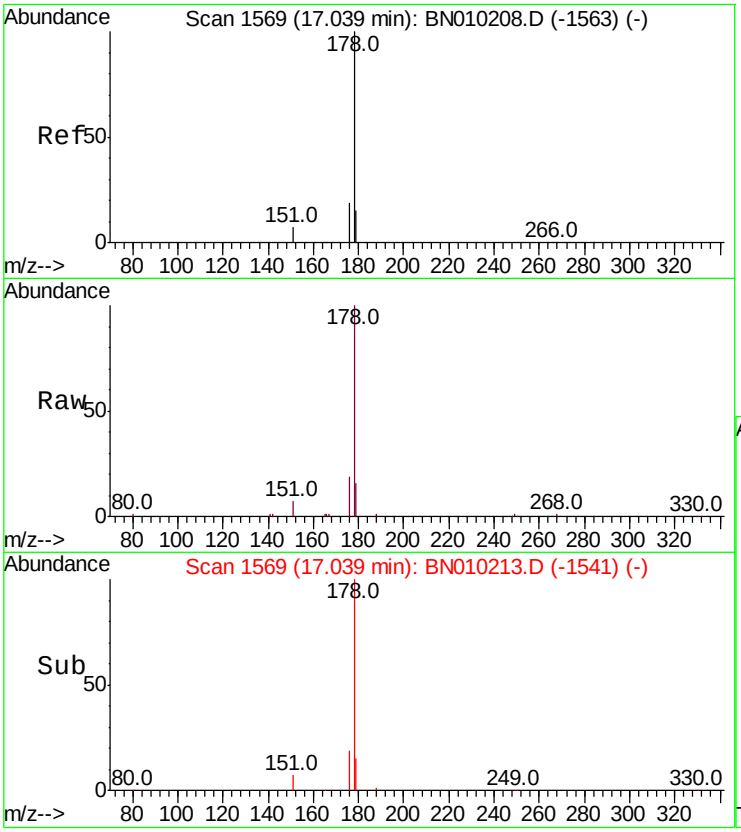


#22
Pentachlorophenol
Concen: 0.377 ng
RT: 16.66 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:266 Resp: 1263

Ion	Ratio	Lower	Upper
266	100		
264	66.5	56.2	84.2
268	68.5	61.4	92.2



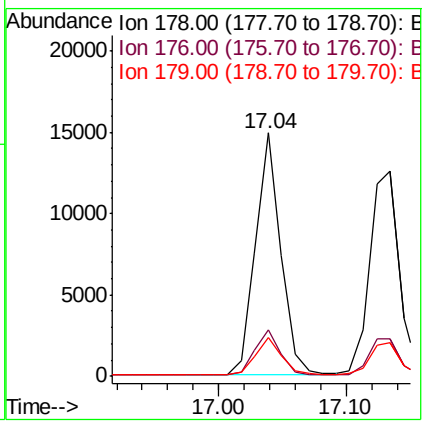


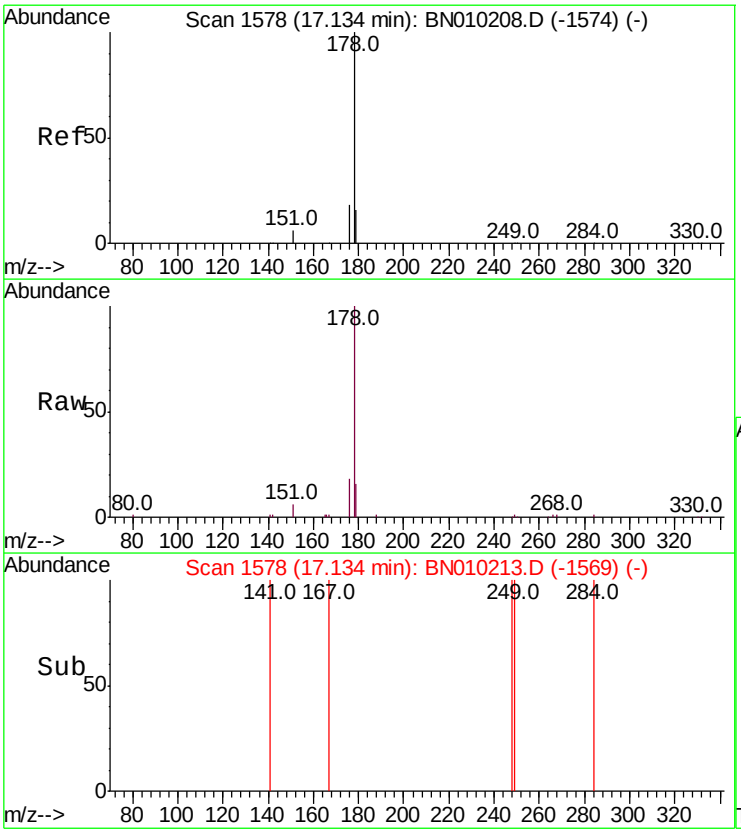
#23
Phenanthrene
Concen: 0.399 ng
RT: 17.04 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:178 Resp: 20511

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.5	18.7

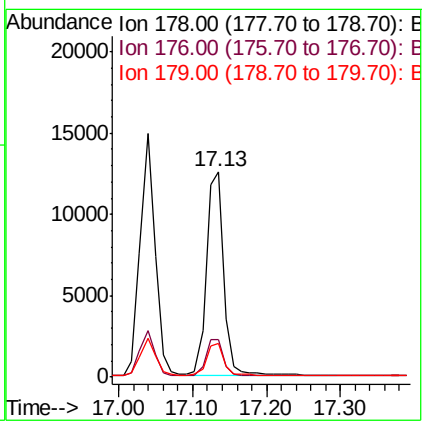


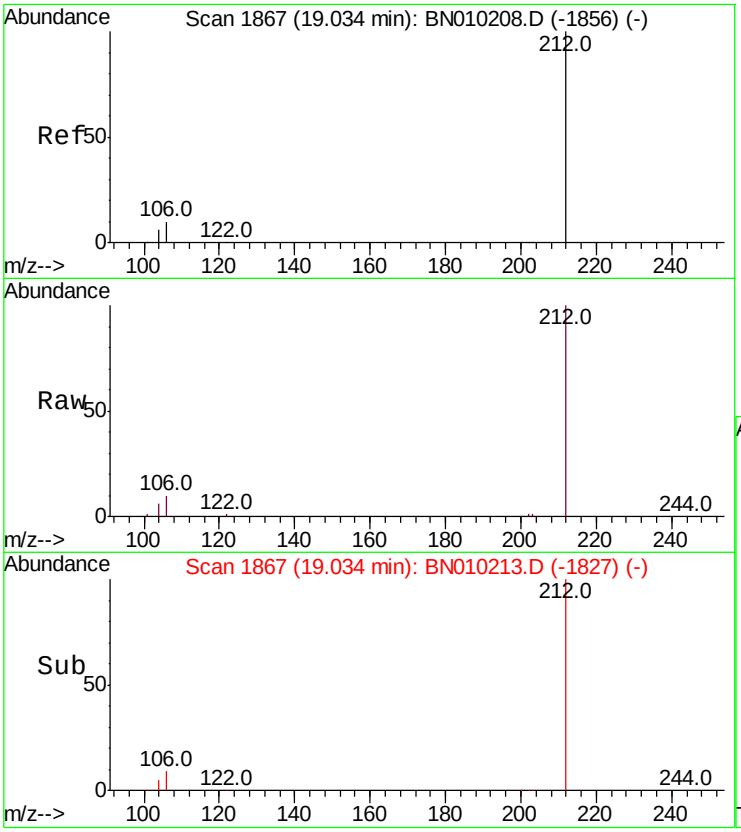


#24
Anthracene
Concen: 0.395 ng
RT: 17.13 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:178 Resp: 20220

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	15.5	12.5	18.7



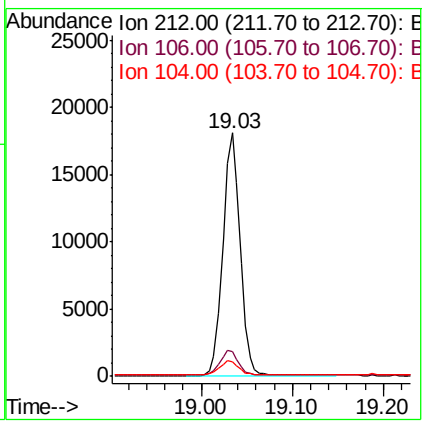


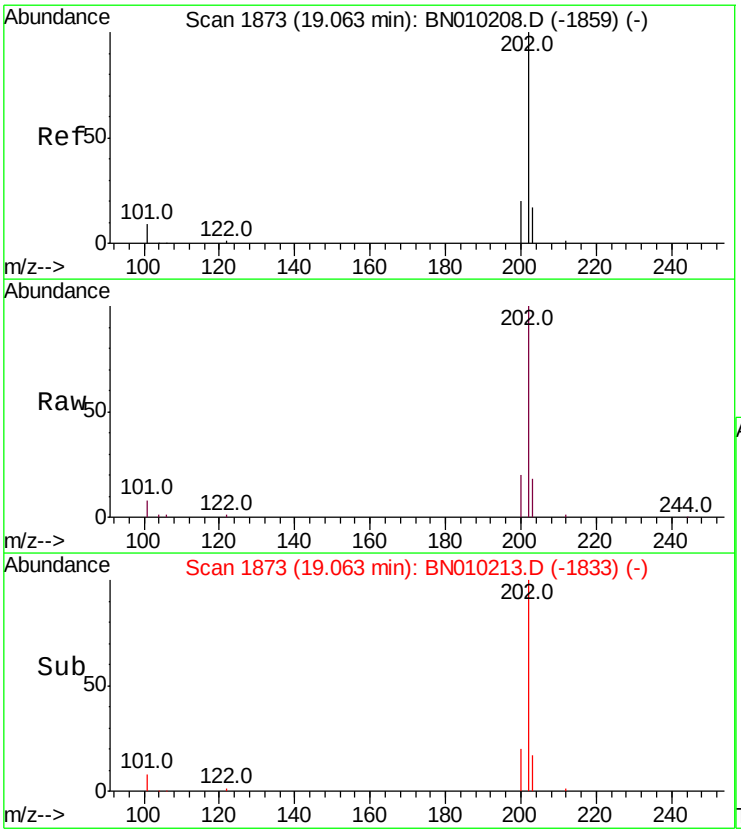
#25
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.03 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:212 Resp: 23770

Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.1	12.1
104	5.8	4.7	7.1

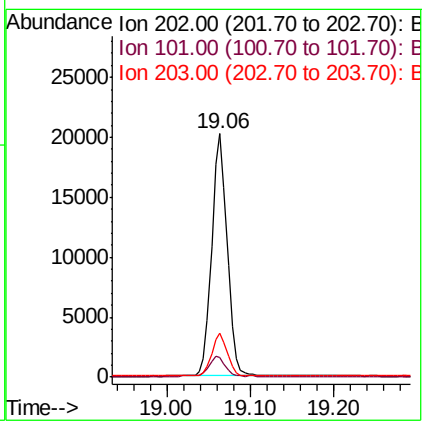


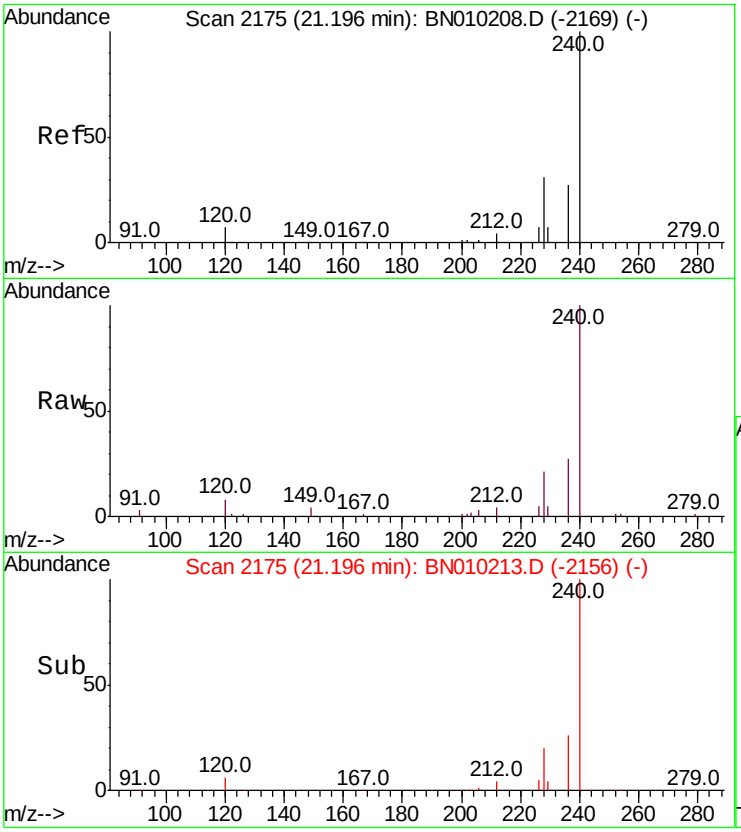


#26
Fluoranthene
Concen: 0.401 ng
RT: 19.06 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:202 Resp: 26077

Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.6
203	17.3	13.9	20.9



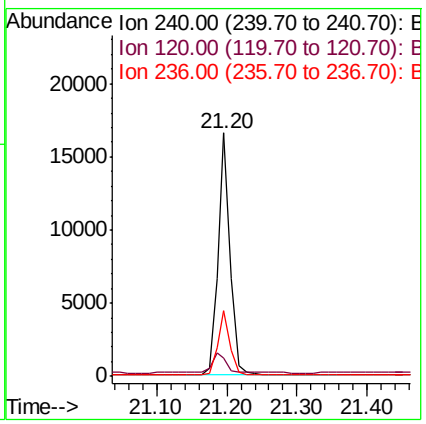


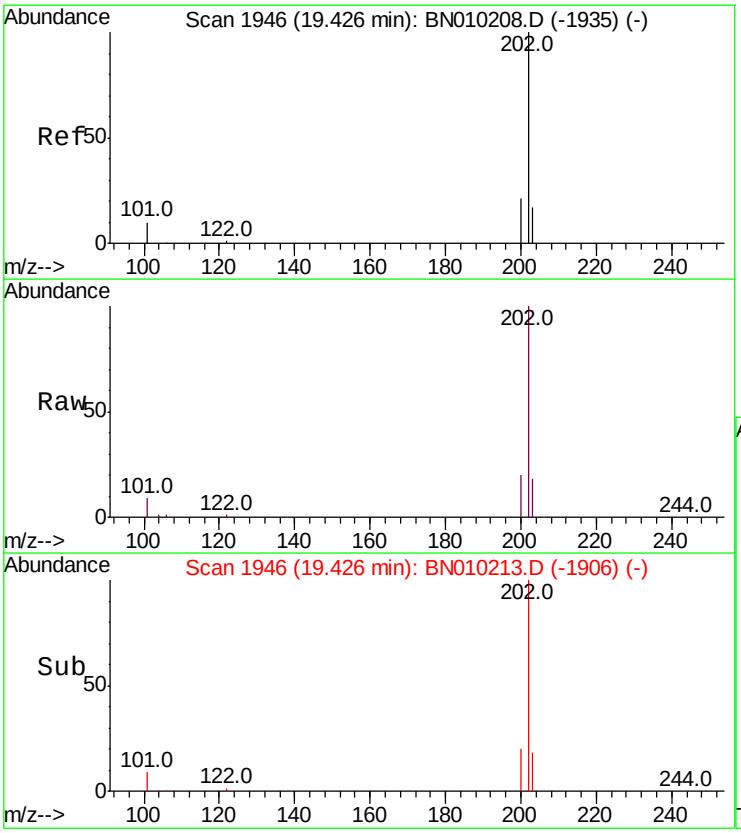
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.20 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:240 Resp: 20104

Ion	Ratio	Lower	Upper
240	100		
120	7.6	7.7	11.5#
236	26.9	21.8	32.6

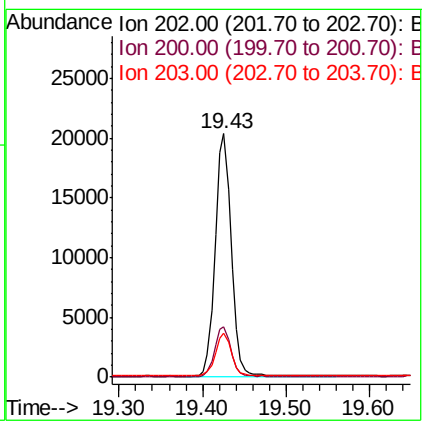


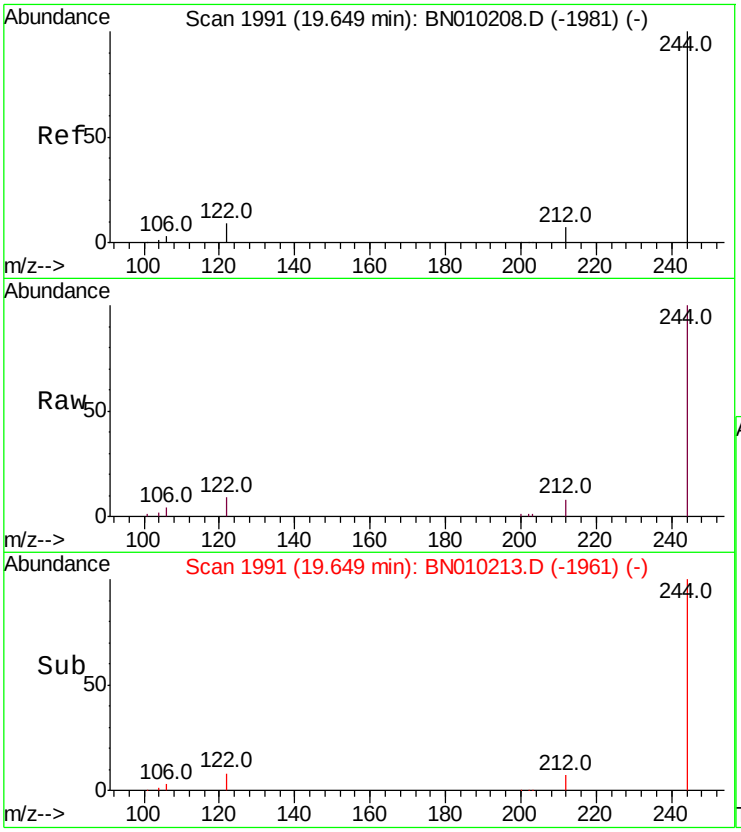


#28
Pyrene
Concen: 0.403 ng
RT: 19.43 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:202 Resp: 27030

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.4	14.1	21.1



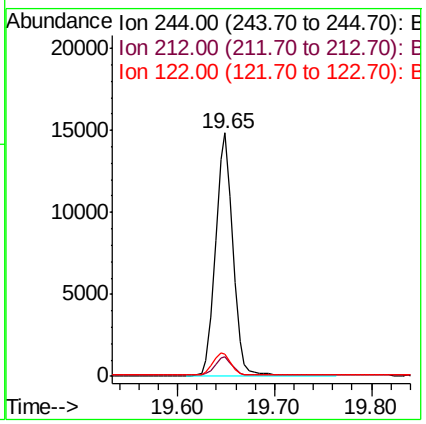


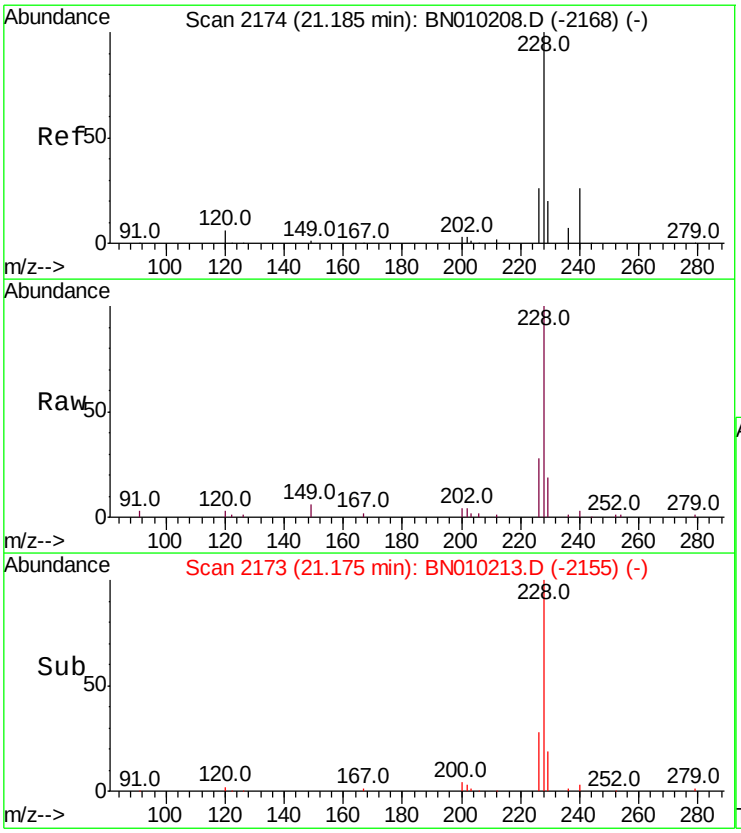
#29
Terphenyl-d14
Concen: 0.400 ng
RT: 19.65 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:244 Resp: 18316

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	9.0	8.1	12.1

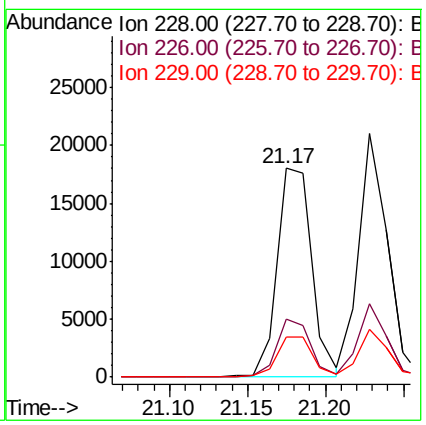


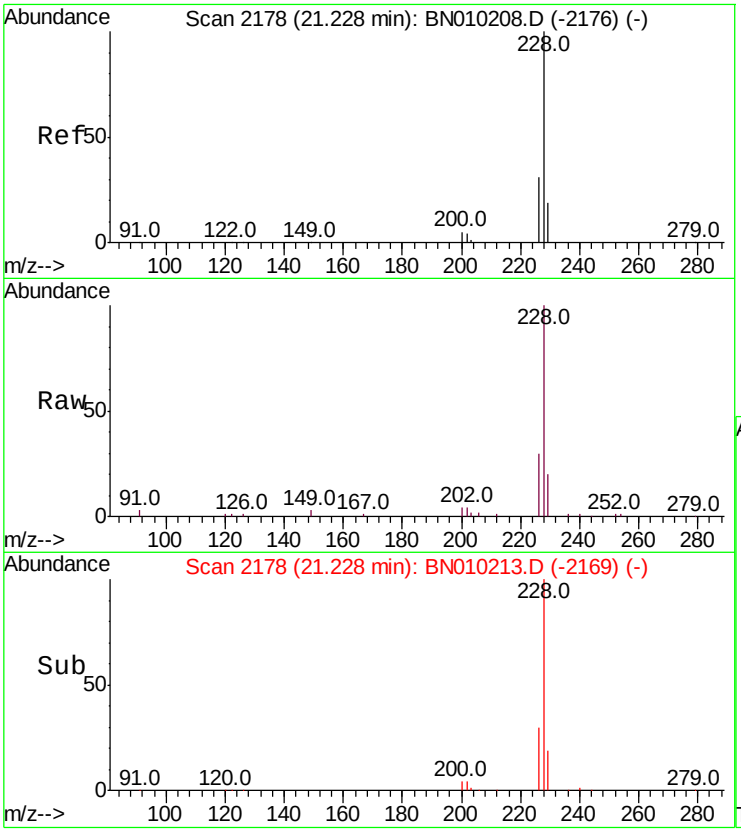


#30
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:228 Resp: 27494

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.1	31.7
229	19.3	16.2	24.4



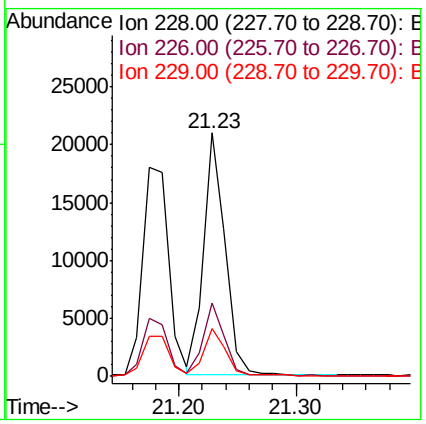


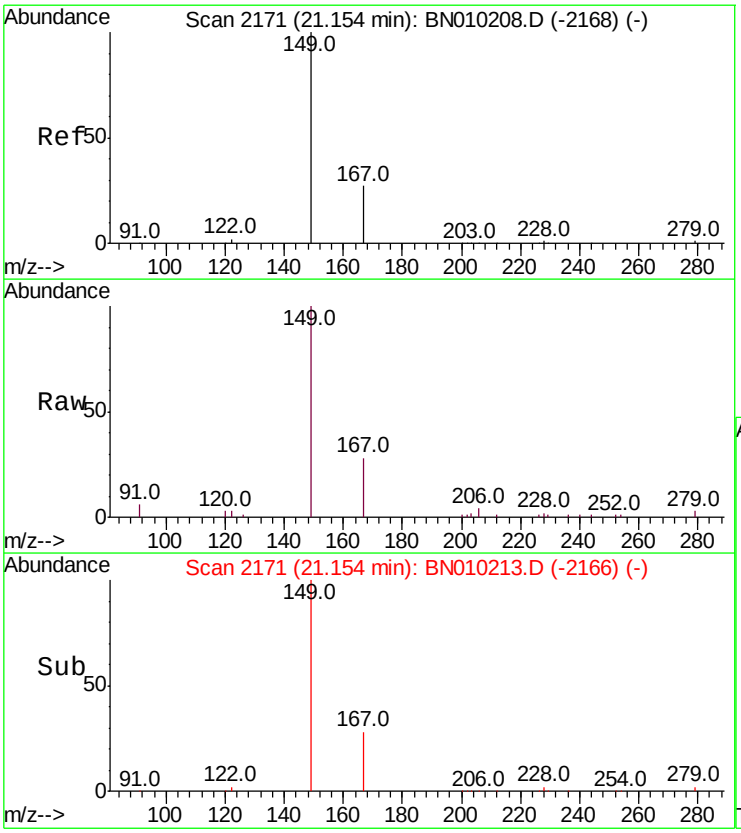
#31
Chrysene
Concen: 0.398 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:228 Resp: 26801

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.4
229	19.6	15.7	23.5

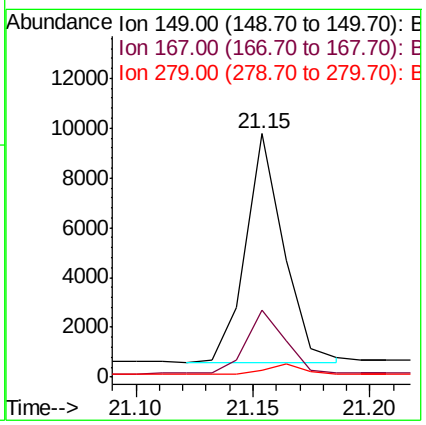


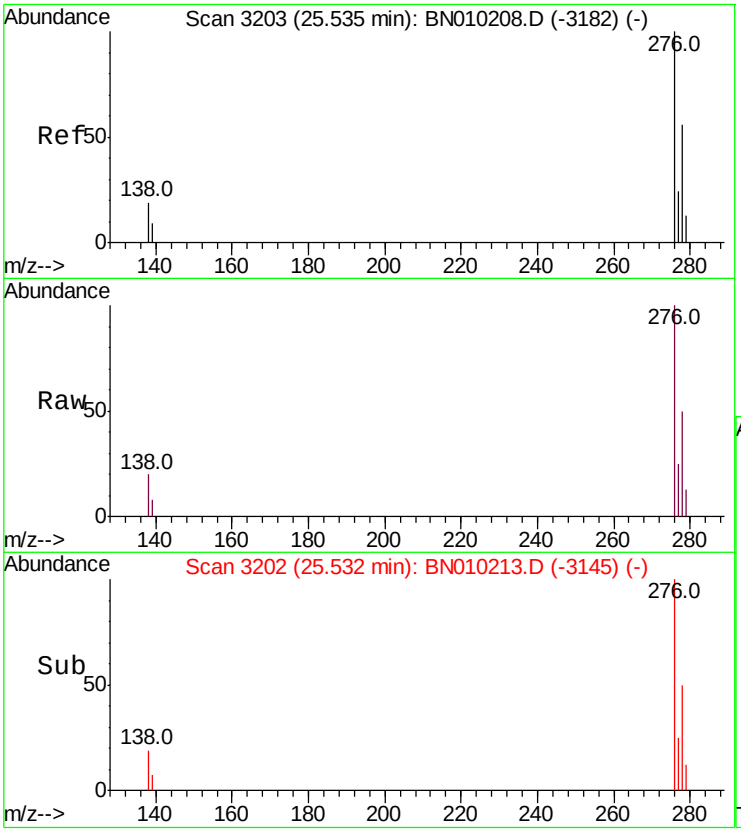


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.356 ng
RT: 21.15 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:149 Resp: 10373

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.0	31.4
279	5.0	3.1	4.7#



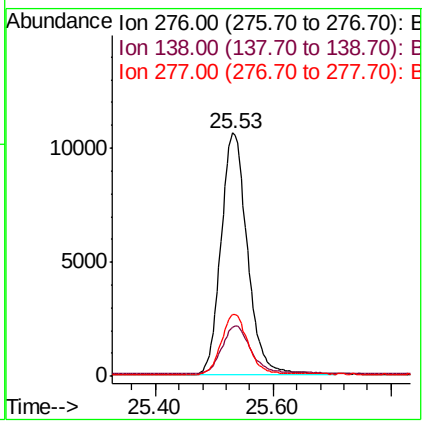


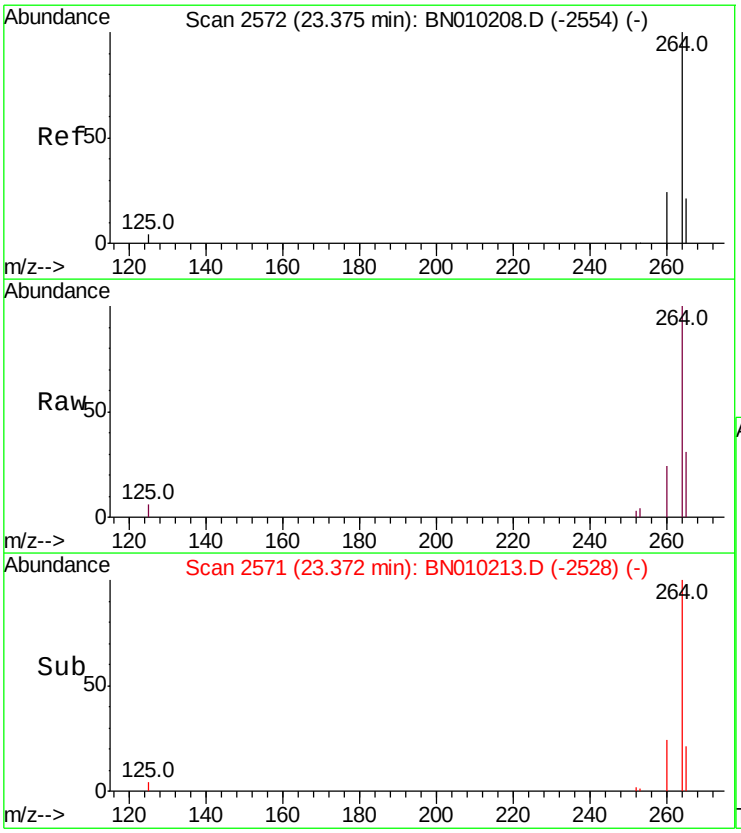
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.415 ng
RT: 25.53 min Scan# 3202
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:276 Resp: 33130

Ion	Ratio	Lower	Upper
276	100		
138	21.0	15.8	23.6
277	24.9	19.3	28.9

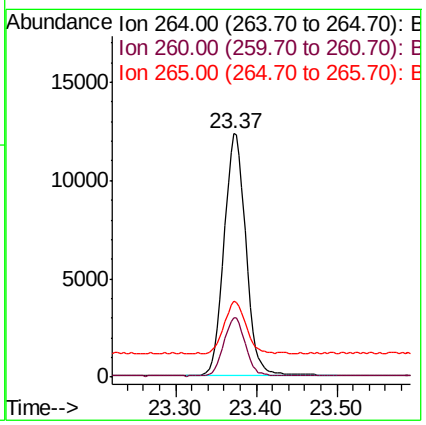


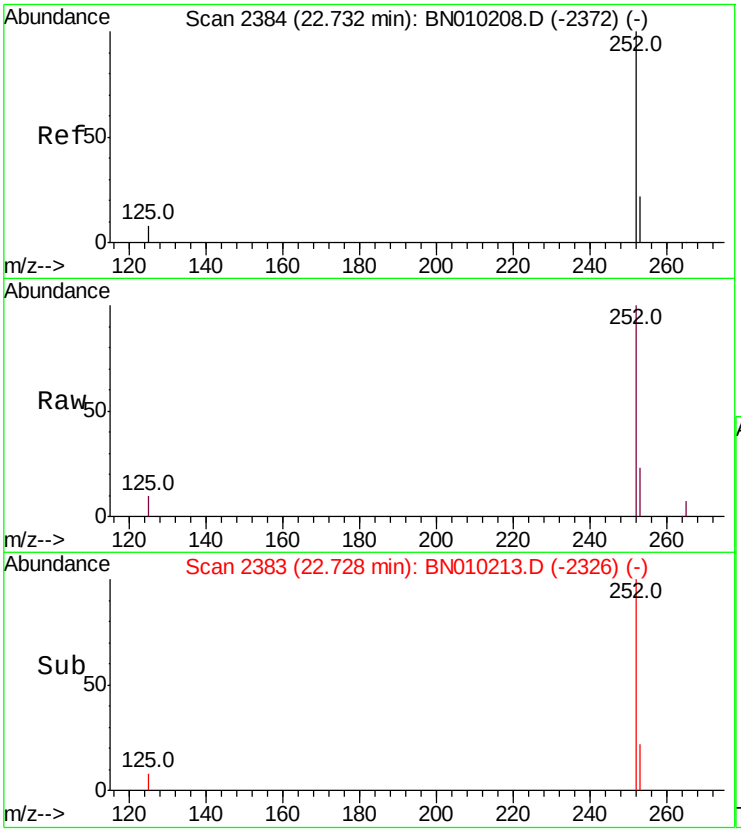


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:264 Resp: 23145

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	31.2	25.8	38.6



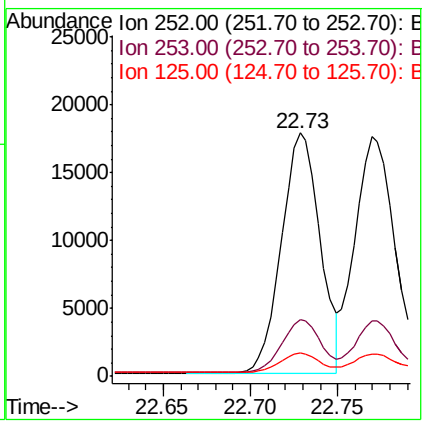


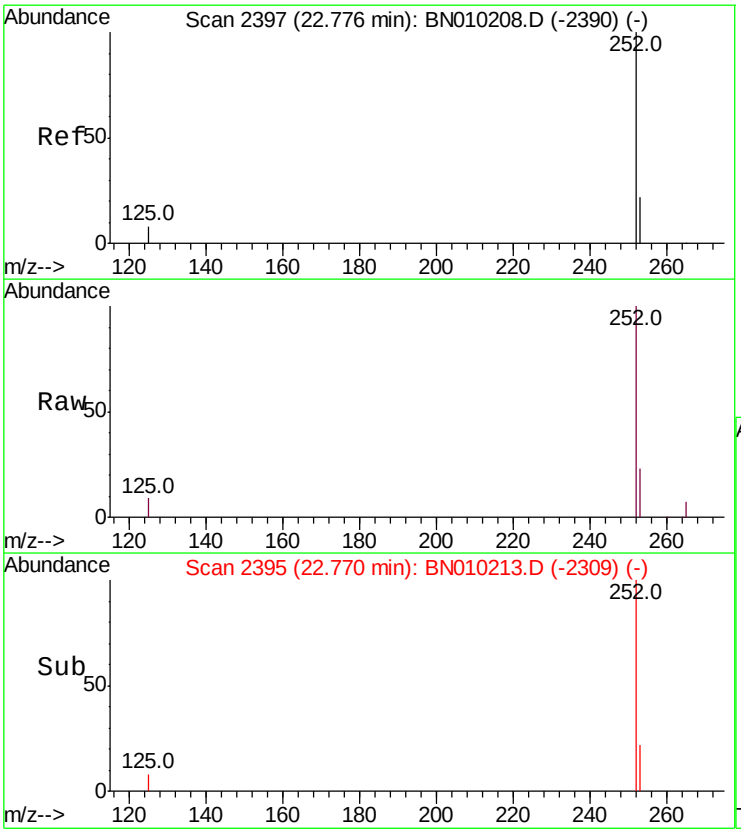
#35
Benzo(b)fluoranthene
Concen: 0.388 ng
RT: 22.73 min Scan# 2383
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:252 Resp: 27611

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.6	28.0
125	9.6	7.9	11.9

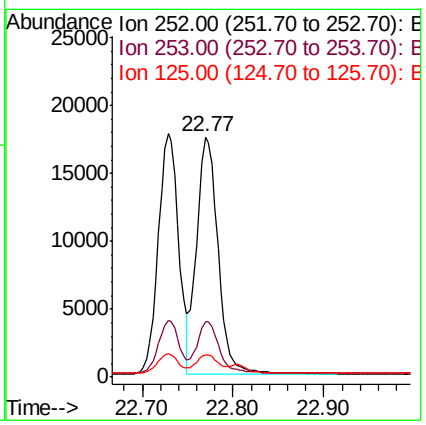


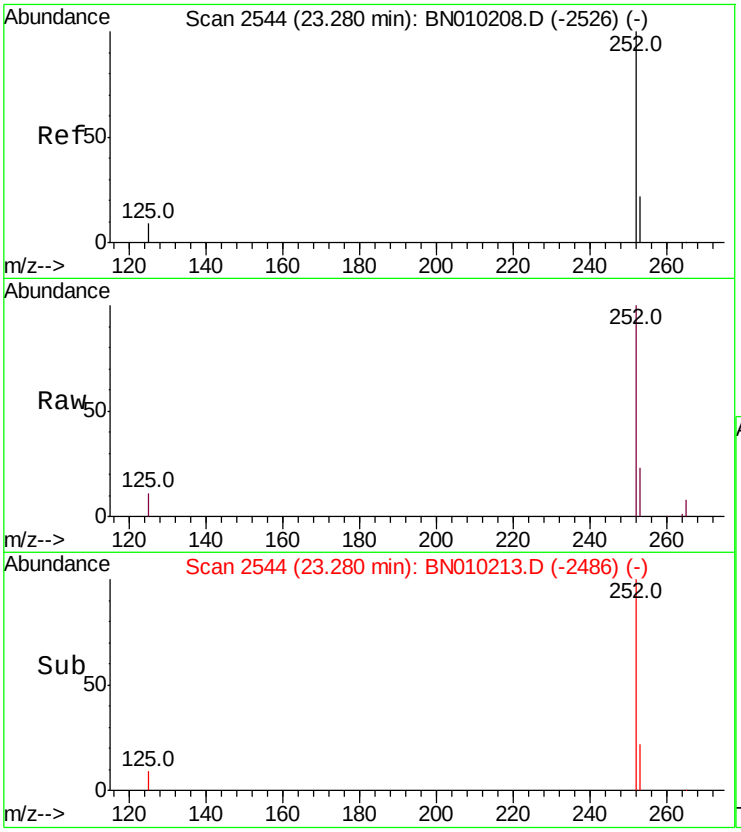


#36
Benzo(k)fluoranthene
Concen: 0.399 ng
RT: 22.77 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:252 Resp: 28669

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.8	28.2
125	9.3	8.2	12.4



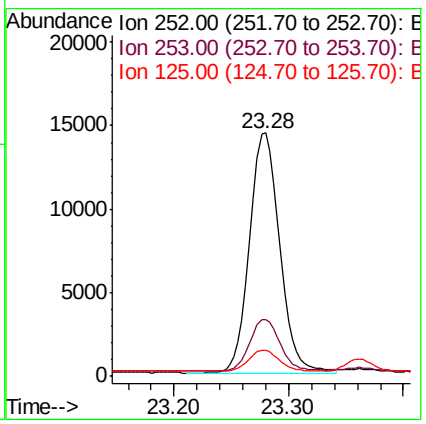


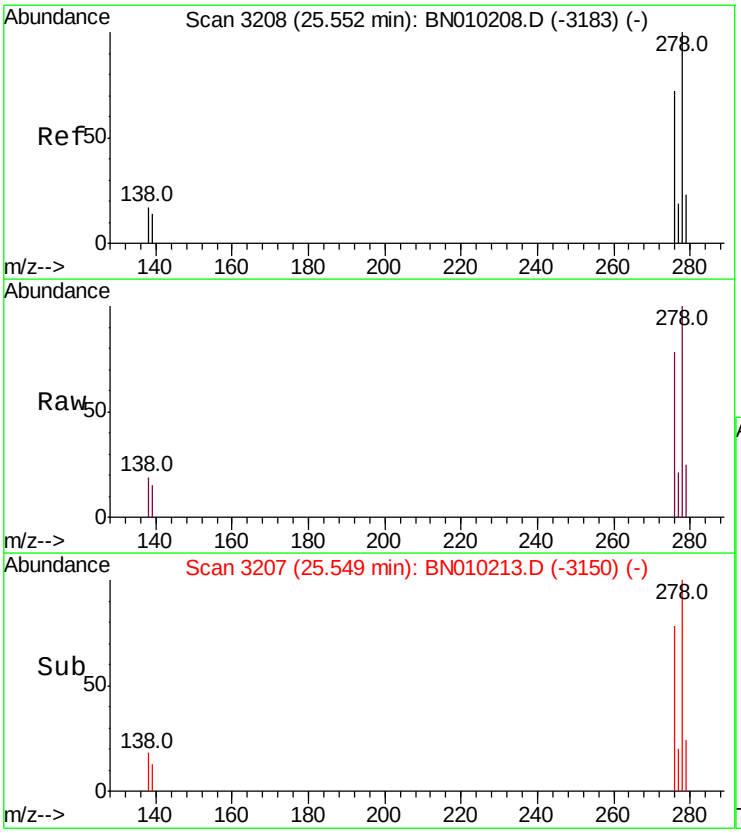
#37
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.28 min Scan# 2544
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:252 Resp: 26062

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.1	28.7
125	10.7	9.2	13.8

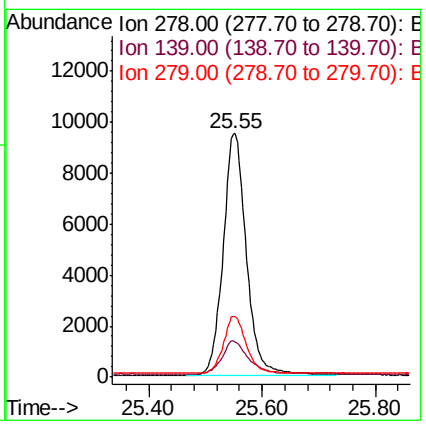


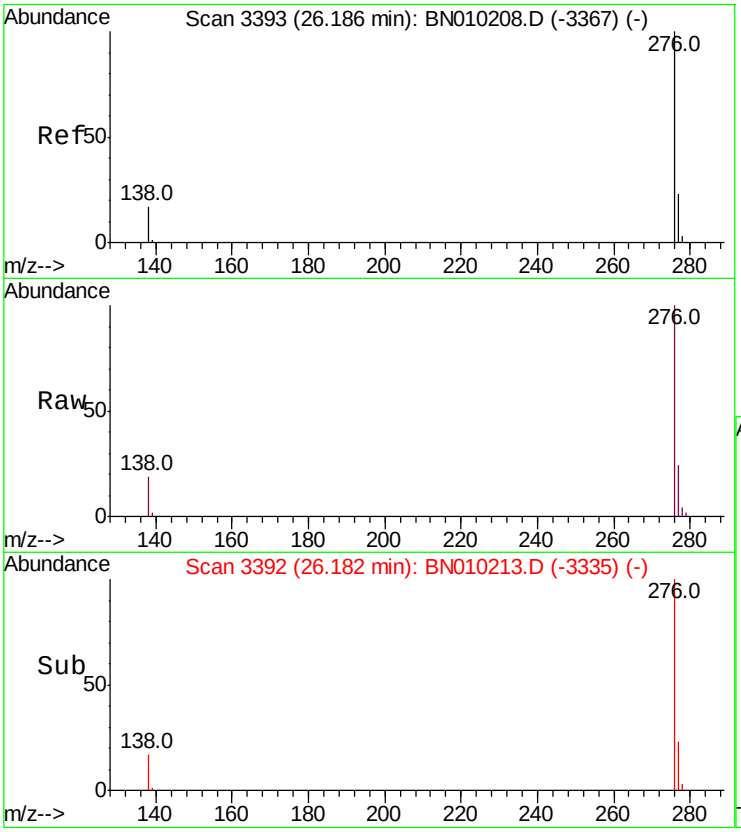


#38
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 25.55 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Tgt Ion:278 Resp: 27202

Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.4	18.6
279	25.0	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.401 ng
RT: 26.18 min Scan# 3392
Delta R.T. -0.00 min
Lab File: BN010213.D
Acq: 13 Mar 2020 22:46

Instrument :
BNA_N
ClientSampleId :
ICVBN031320

Tgt Ion:276 Resp: 26960

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	18.6	15.4	23.2