Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031920\
Data File : BN010295.D
Acq On : 19 Mar 2020 19:15
Operator : CG/JU
Sample : PB127689BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB127689BSD

Quant Time: Mar 20 01:24:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 15:26:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4376	0.40	ng		0.00
7) Naphthalene-d8	10.38	136	15098	0.40	ng		0.00
13) Acenaphthene-d10	14.24	164	9093	0.40	ng		-0.01
19) Phenanthrene-d10	16.99	188	21139	0.40	ng		0.00
27) Chrysene-d12	21.19	240	22820	0.40	ng		0.00
34) Perylene-d12	23.37	264	25030	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	3433	0.40	ng		0.00
5) Phenol-d6	6.80	99	4343	0.40	ng		0.00
8) Nitrobenzene-d5	8.74	82	3736	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	11.97	152	9431	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.73	330	1242	0.36	ng		0.00
15) 2-Fluorobiphenyl	12.86	172	14456	0.42	ng		0.00
25) Fluoranthene-d10	19.02	212	23998	0.38	ng		0.00
29) Terphenyl-d14	19.63	244	19663	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	1673	0.407	ng		98
3) n-Nitrosodimethylamine	3.56	42	1263	0.364	ng	#	99
6) bis(2-Chloroethyl)ether	7.06	93	4225	0.408	ng		99
9) Naphthalene	10.43	128	15186	0.403	ng		99
10) Hexachlorobutadiene	10.73	225	3681	0.403	ng	#	99
12) 2-Methylnaphthalene	12.05	142	10424	0.399	ng		98
16) Acenaphthylene	13.96	152	13454	0.377	ng		99
17) Acenaphthene	14.30	154	10023	0.394	ng		100
18) Fluorene	15.29	166	13109	0.388	ng		100
20) 4-Bromophenyl-phenylether	16.19	248	5057	0.394	ng		98
21) Hexachlorobenzene	16.31	284	5344	0.406	ng		100
22) Pentachlorophenol	16.65	266	1494	0.331	ng		96
23) Phenanthrene	17.03	178	23229	0.400	ng		100
24) Anthracene	17.11	178	18770	0.378	ng		100
26) Fluoranthene	19.05	202	27715	0.389	ng		100
28) Pyrene	19.42	202	27774	0.391	ng		100
30) Benzo(a)anthracene	21.17	228	28169	0.388	ng		99
31) Chrysene	21.23	228	31197	0.400	ng		99
32) Bis(2-ethylhexyl)phthalate	21.13	149	9011	0.367	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	38249	0.458	ng		99
35) Benzo(b)fluoranthene	22.72	252	30000	0.353	ng		99
36) Benzo(k)fluoranthene	22.76	252	32878	0.380	ng		98
37) Benzo(a)pyrene	23.27	252	26086	0.364	ng		99
38) Dibenzo(a,h)anthracene	25.53	278	31559	0.407	ng		99
39) Benzo(g,h,i)perylene	26.17	276	29116	0.373	ng		99

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

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Instrument :
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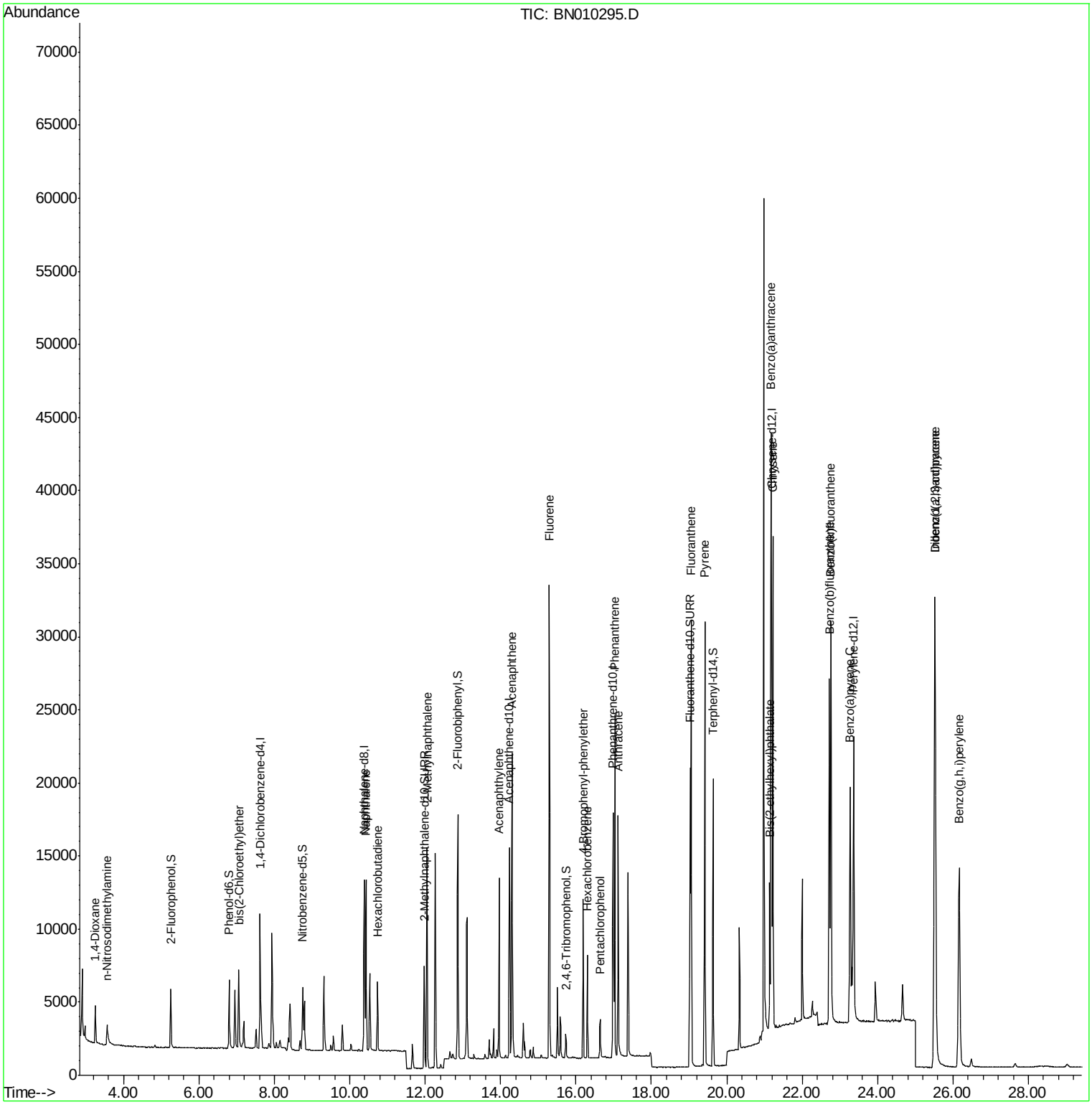
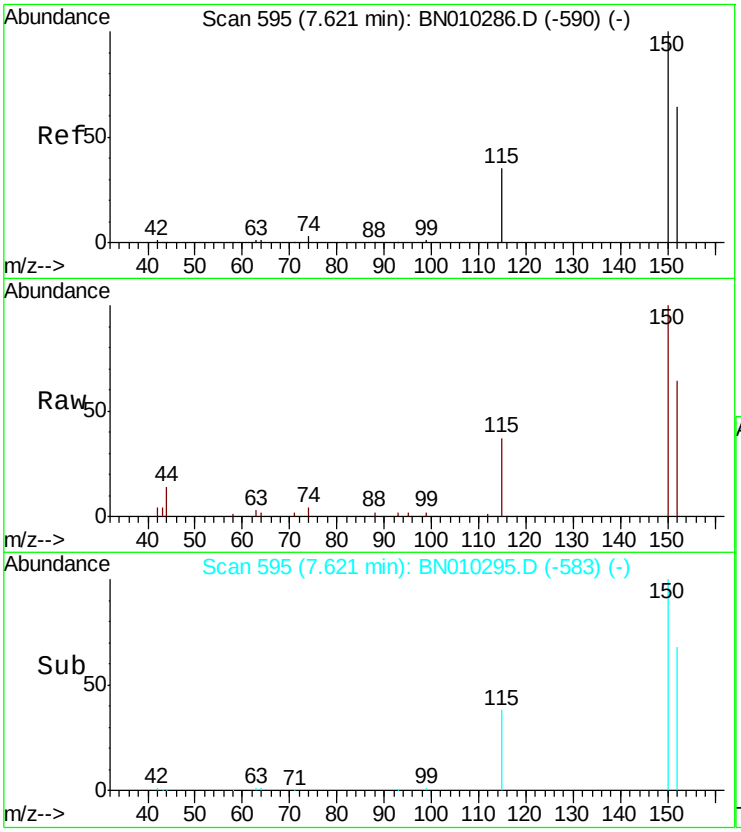


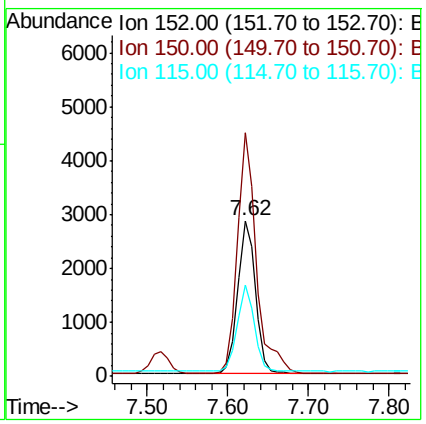


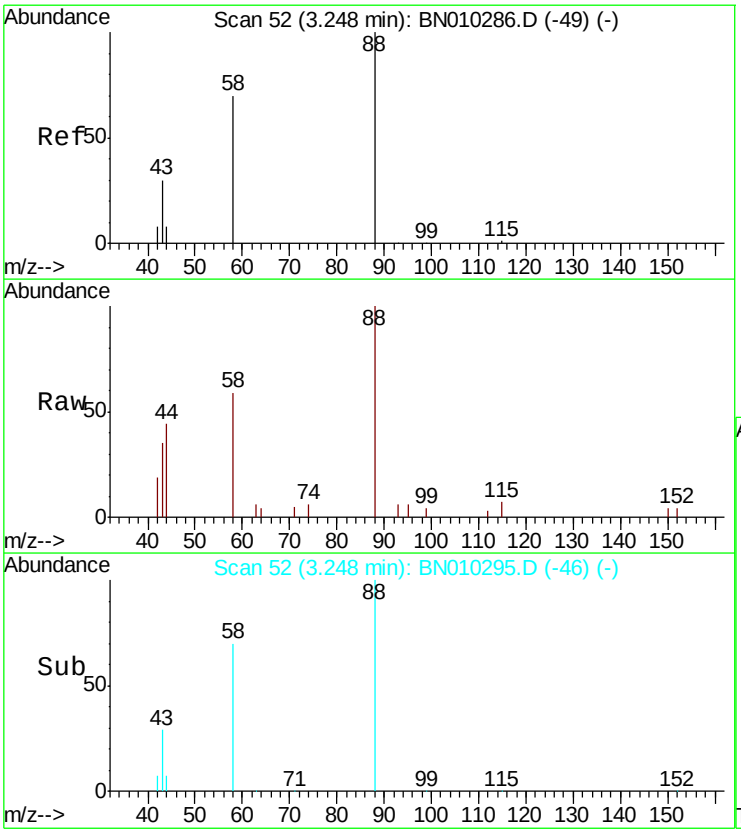
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:152 Resp: 4376

Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.1	184.7
115	58.4	45.2	67.8

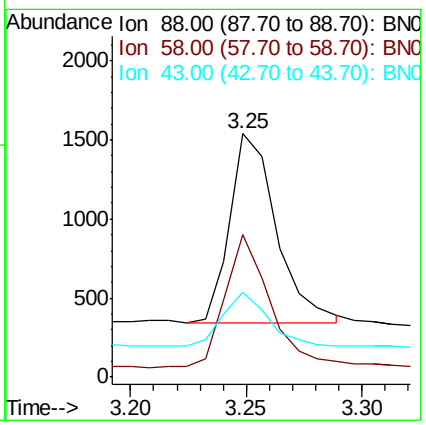


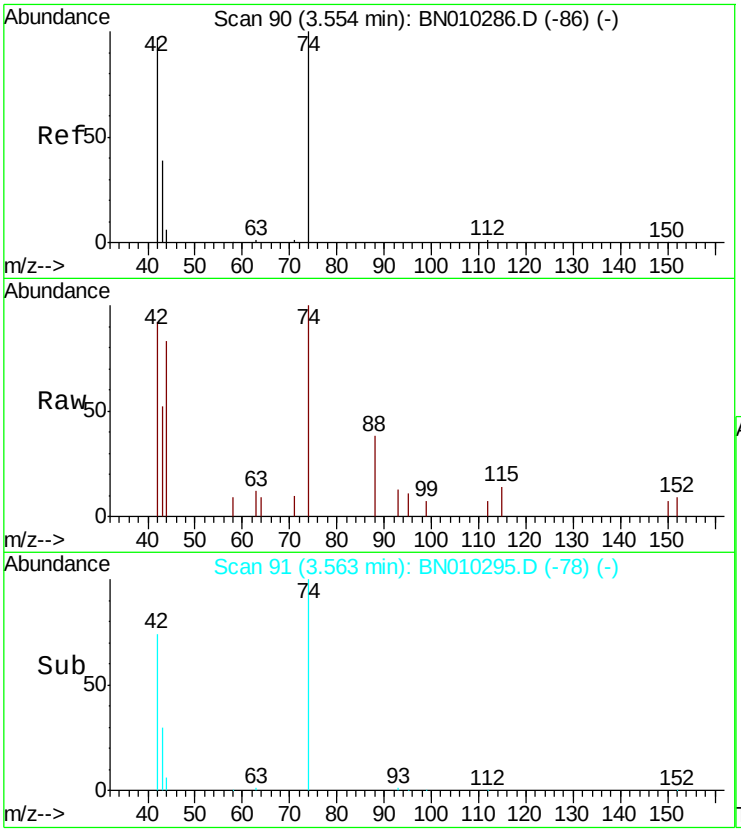


#2
1,4-Dioxane
Concen: 0.407 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion: 88 Resp: 1673

Ion	Ratio	Lower	Upper
88	100		
58	66.6	51.7	77.5
43	27.4	21.2	31.8



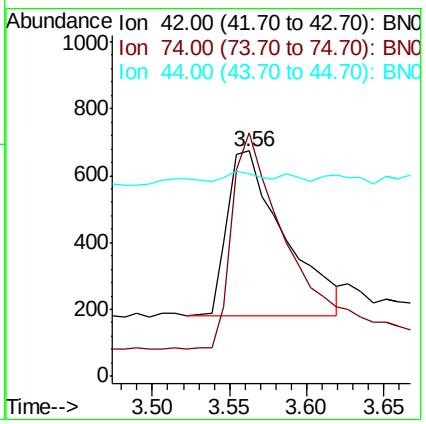


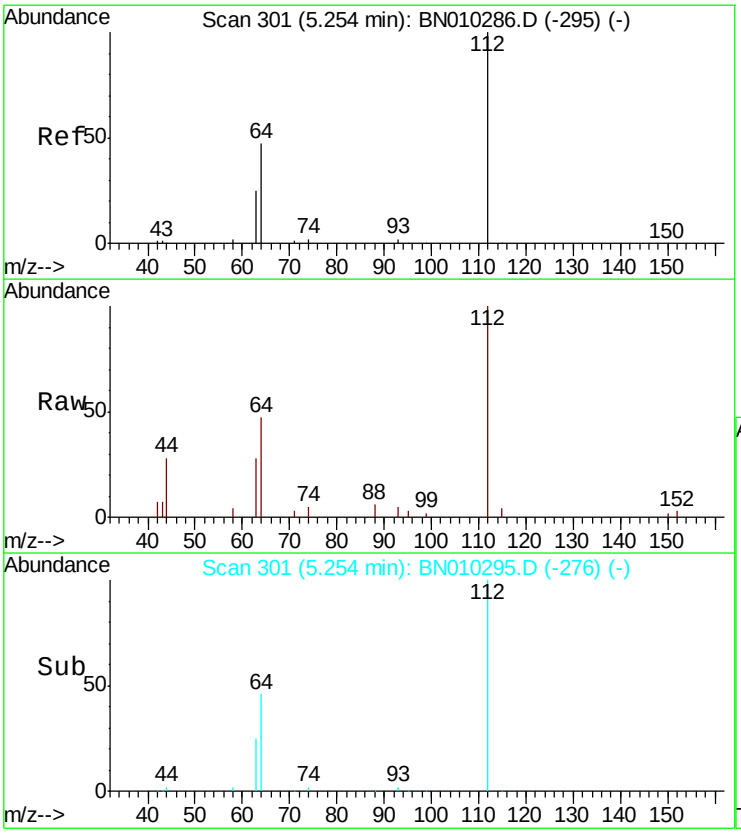
#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.56 min Scan# 91
Delta R.T. 0.01 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion: 42 Resp: 1263

Ion	Ratio	Lower	Upper
42	100		
74	124.9	99.4	149.0
44	3.3	4.8	7.2#

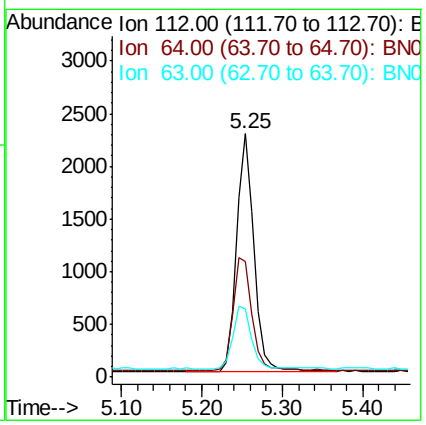


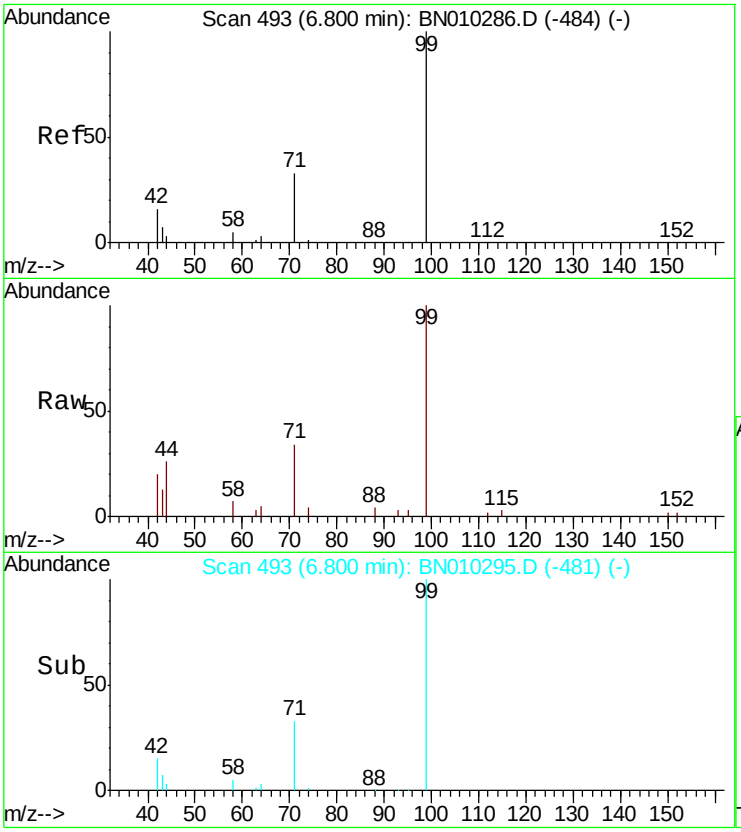


#4
2-Fluorophenol
Concen: 0.396 ng
RT: 5.25 min Scan# 301
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:112 Resp: 3433

Ion	Ratio	Lower	Upper
112	100		
64	50.8	41.4	62.2
63	28.2	22.9	34.3



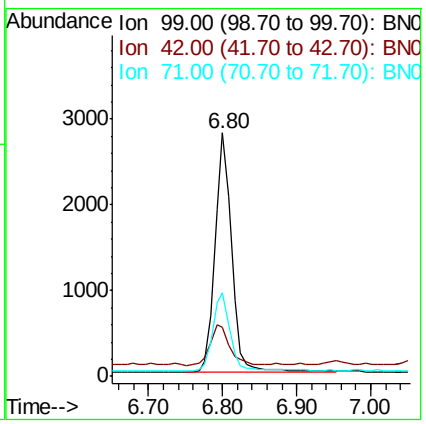


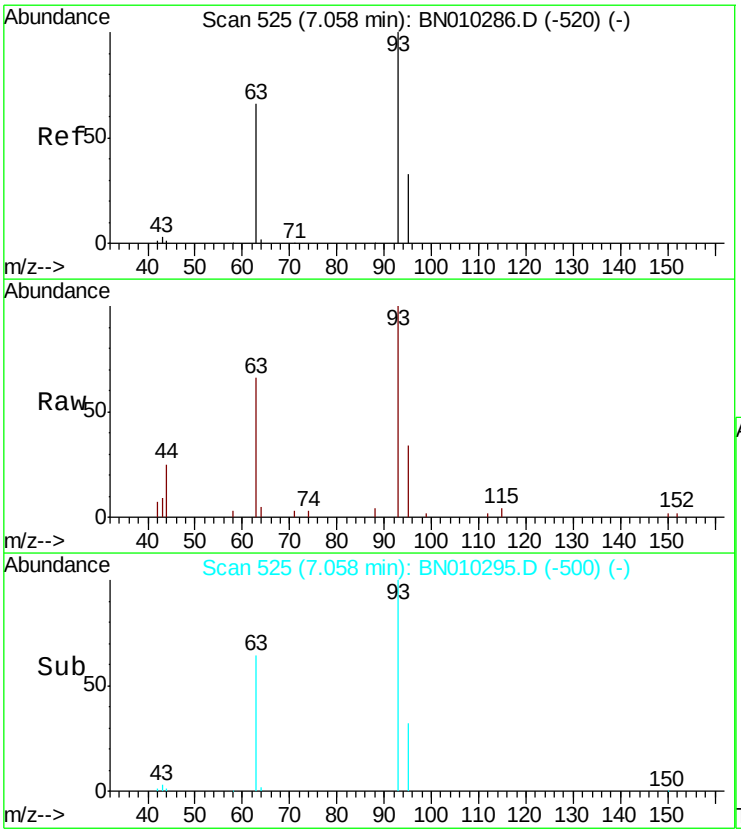
#5
Phenol-d6
Concen: 0.403 ng
RT: 6.80 min Scan# 493
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion: 99 Resp: 4343

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.8	22.2
71	33.0	27.3	40.9

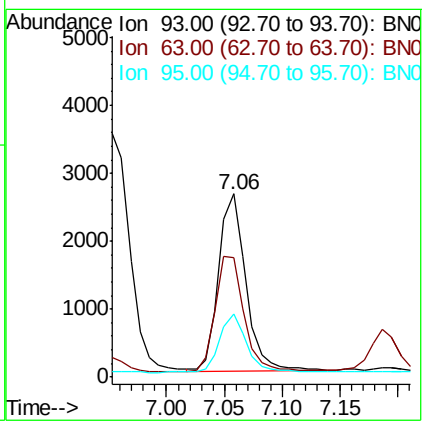


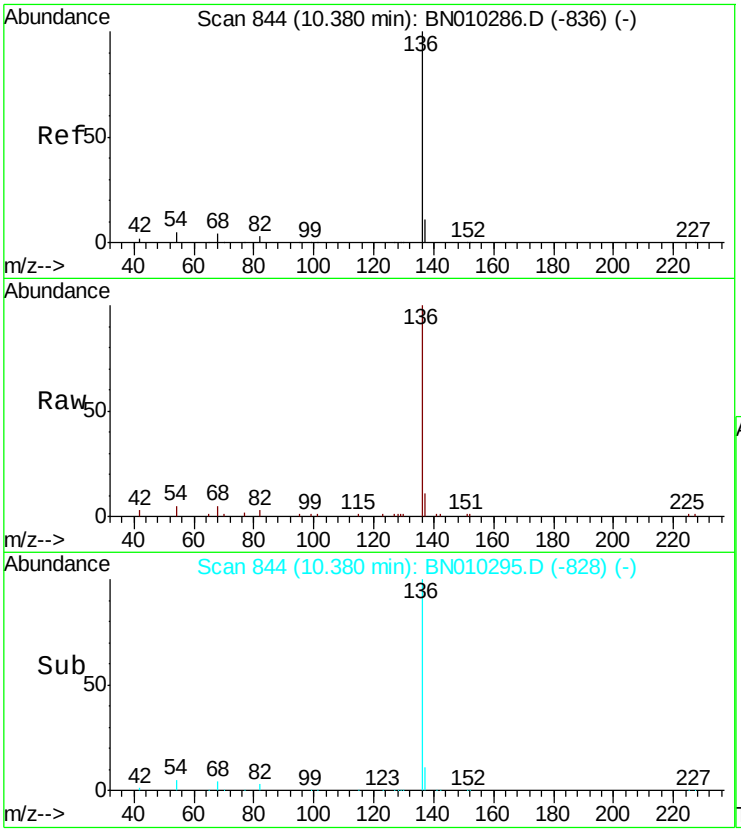


#6
bis(2-Chloroethyl)ether
Concen: 0.408 ng
RT: 7.06 min Scan# 525
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion: 93 Resp: 4225

Ion	Ratio	Lower	Upper
93	100		
63	69.8	55.6	83.4
95	33.4	26.2	39.4



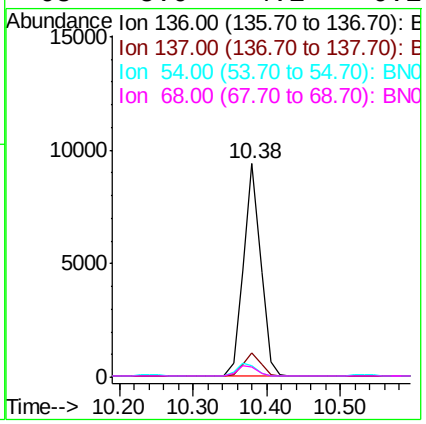


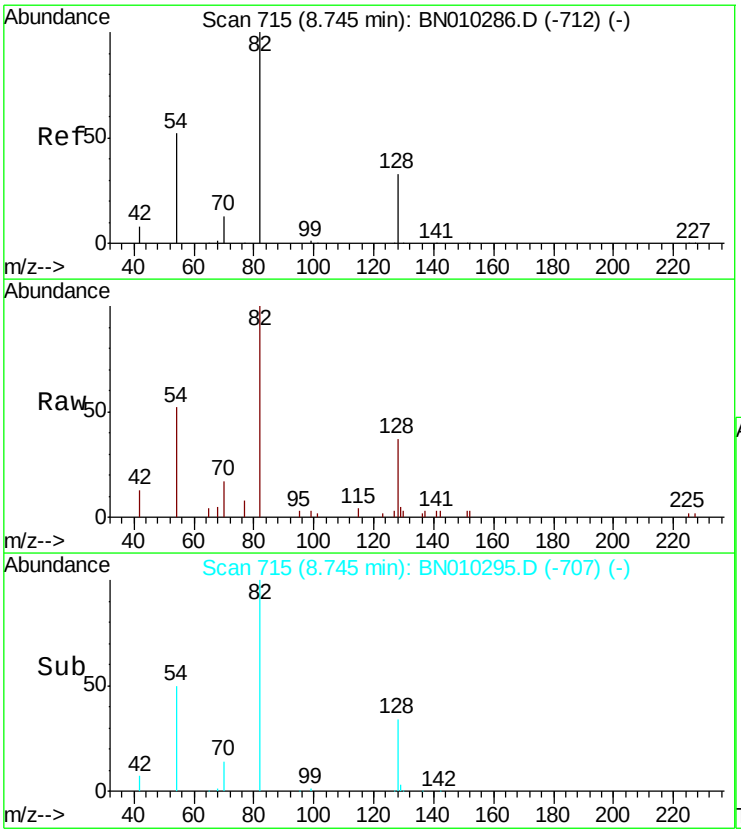
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:136 Resp: 15098

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	5.5	4.8	7.2
68	5.0	4.1	6.1

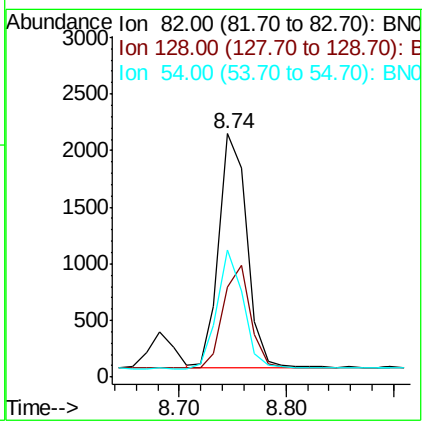


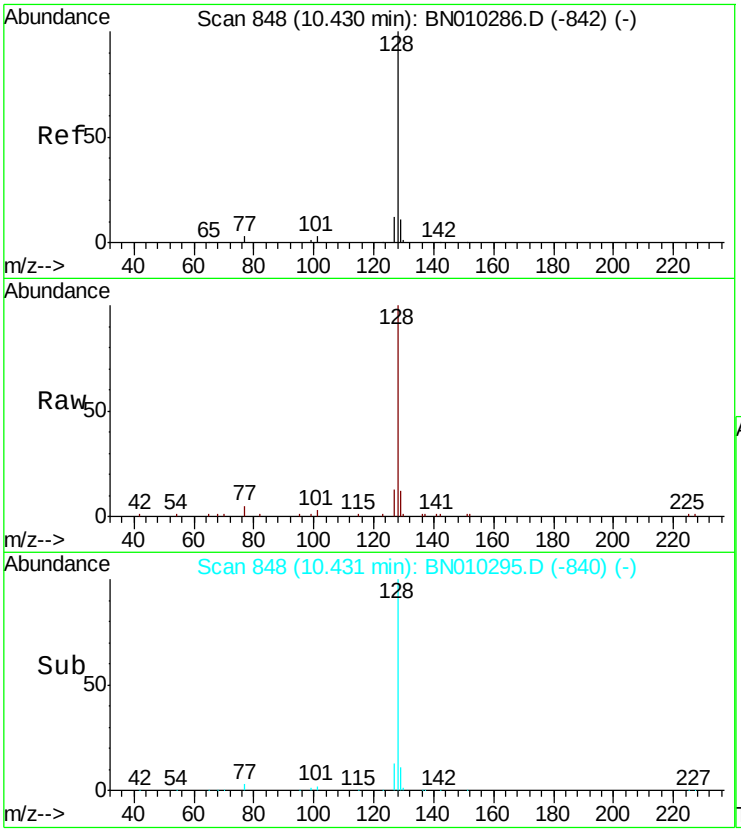


#8
Nitrobenzene-d5
Concen: 0.386 ng
RT: 8.74 min Scan# 715
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion: 82 Resp: 3736

Ion	Ratio	Lower	Upper
82	100		
128	36.7	28.8	43.2
54	52.0	42.1	63.1



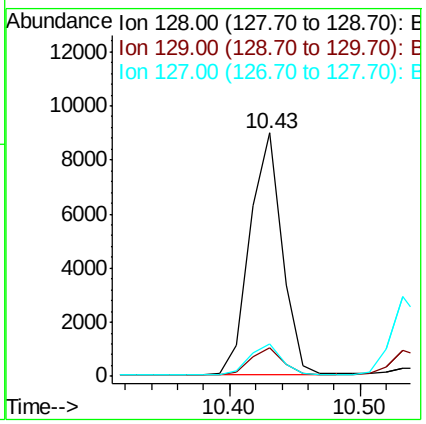


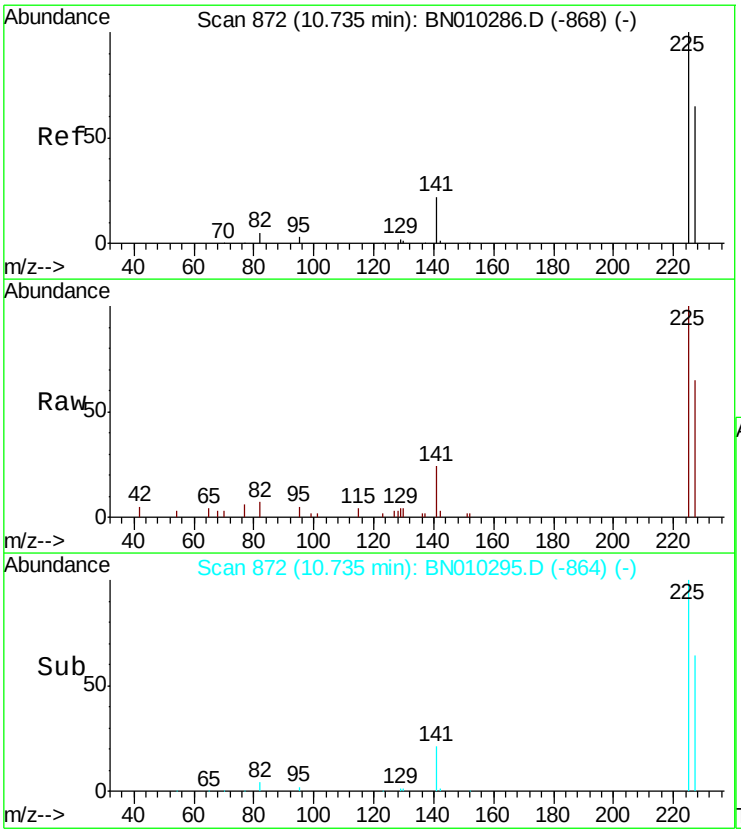
#9
Naphthalene
Concen: 0.403 ng
RT: 10.43 min Scan# 848
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:128 Resp: 15186

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.3	10.4	15.6

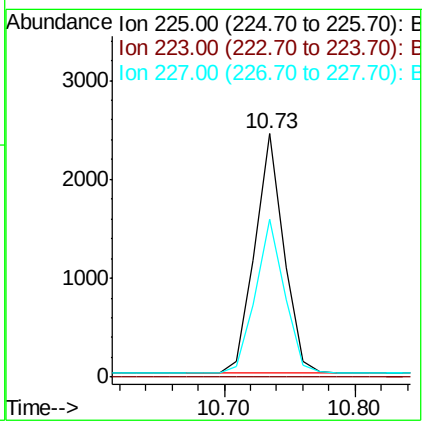


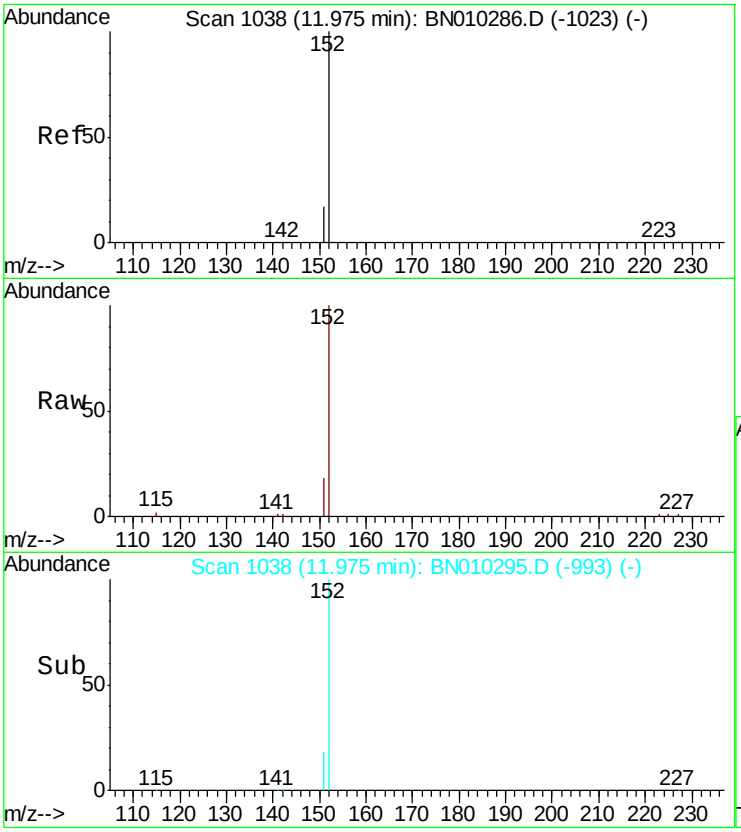


#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.73 min Scan# 872
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:225 Resp: 3681

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.9	77.9



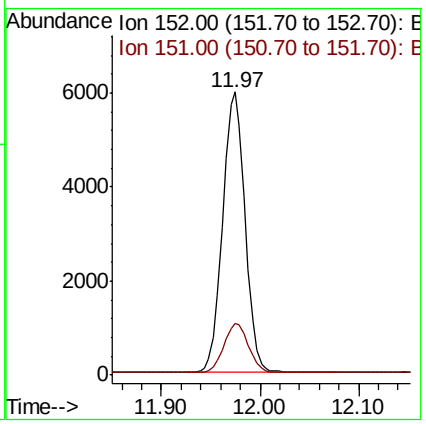


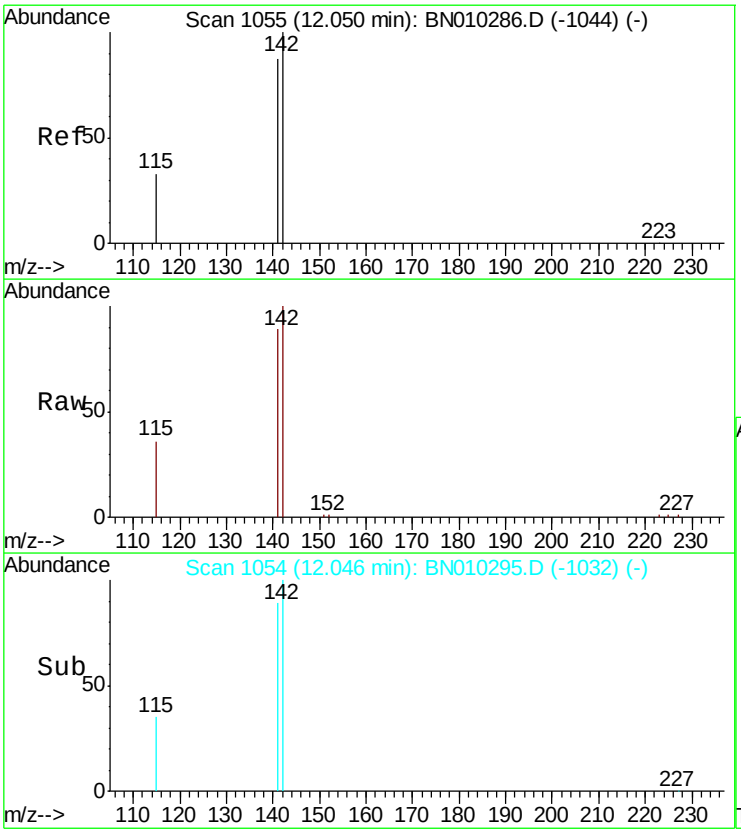
#11
2-Methylnaphthalene-d10
Concen: 0.391 ng
RT: 11.97 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:152 Resp: 9431

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2

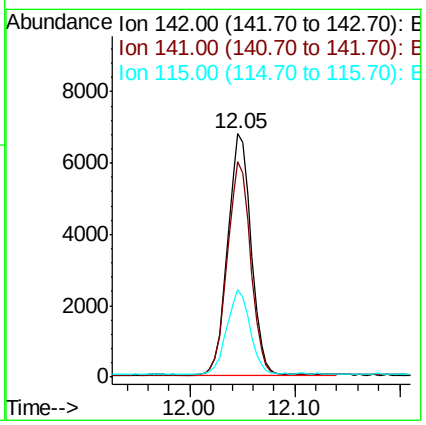


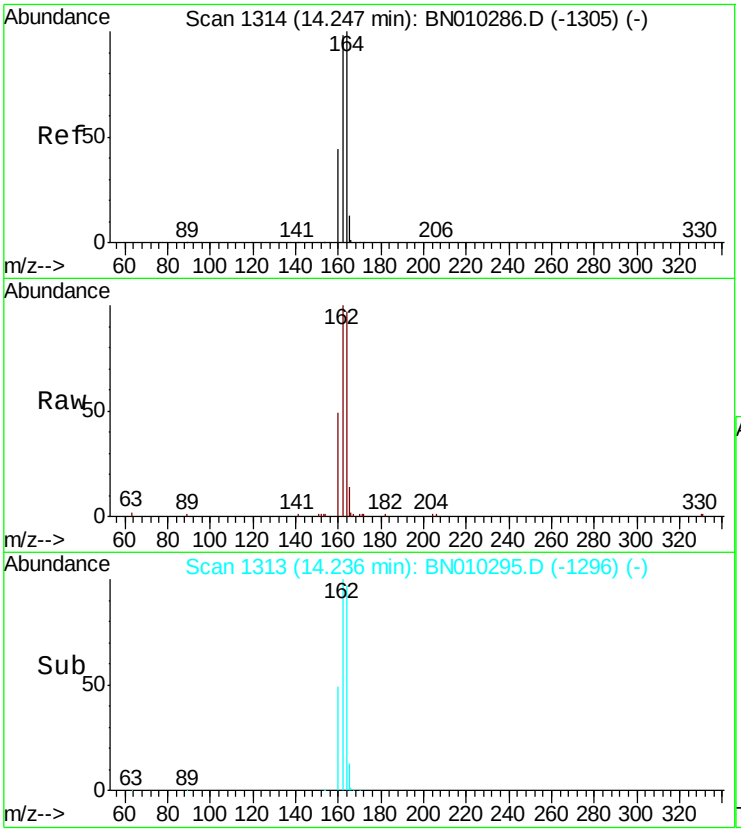


#12
2-Methylnaphthalene
Concen: 0.399 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:142 Resp: 10424

Ion	Ratio	Lower	Upper
142	100		
141	88.8	69.5	104.3
115	35.7	27.5	41.3



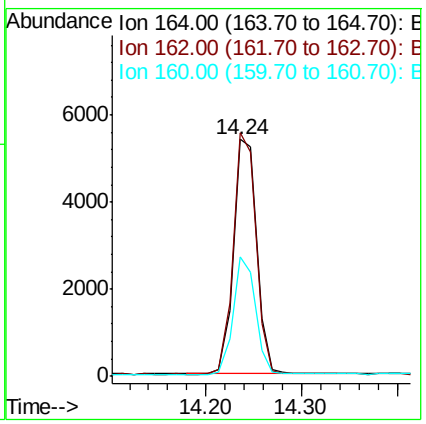


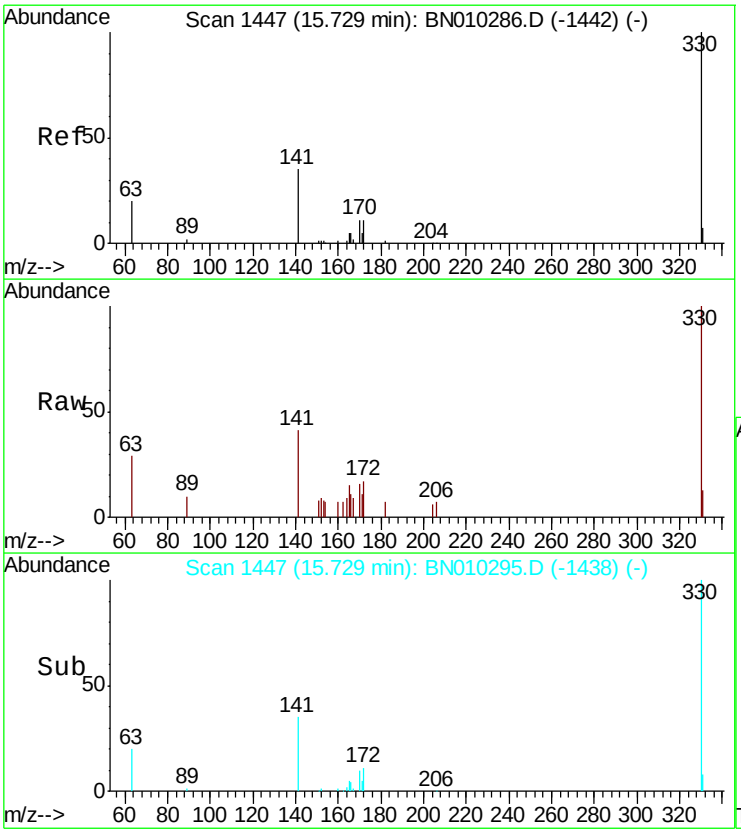
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:164 Resp: 9093

Ion	Ratio	Lower	Upper
164	100		
162	102.9	78.2	117.2
160	50.5	35.8	53.6

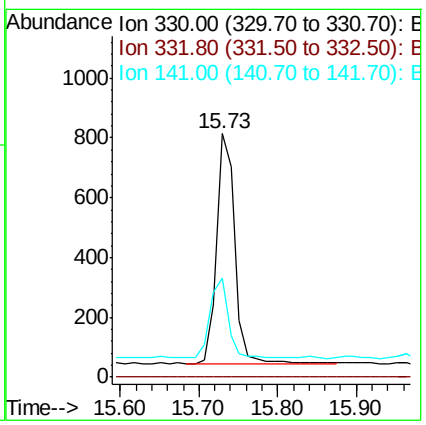


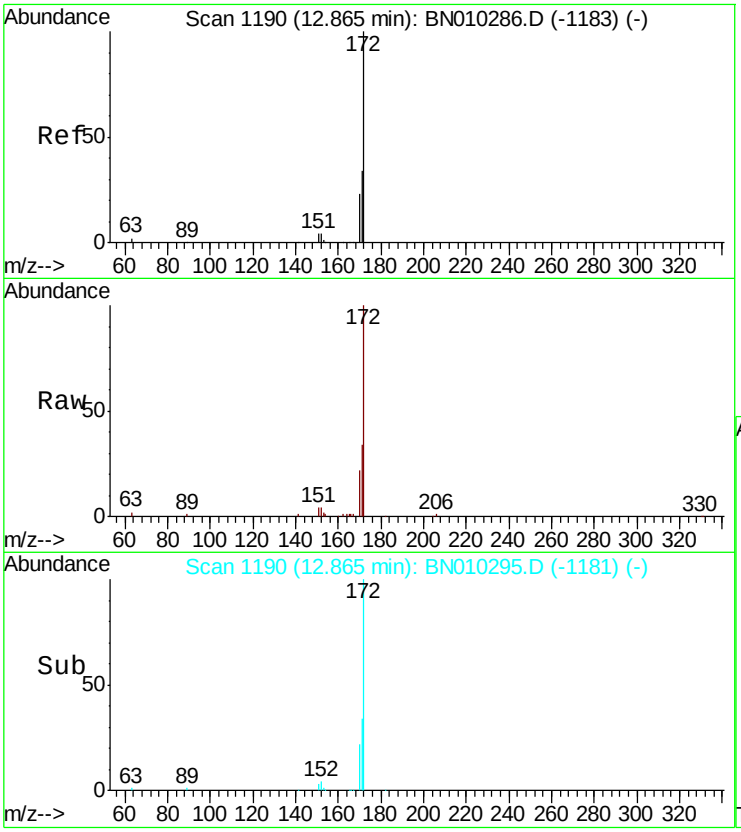


#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.73 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:330 Resp: 1242

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.6	29.3	43.9



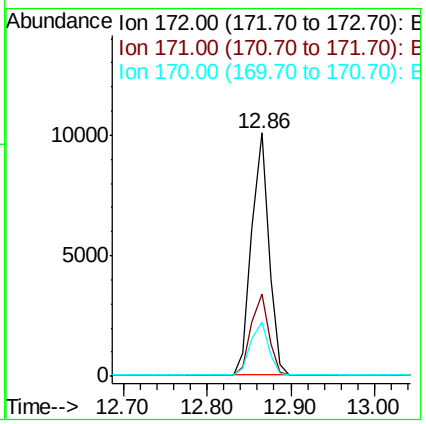


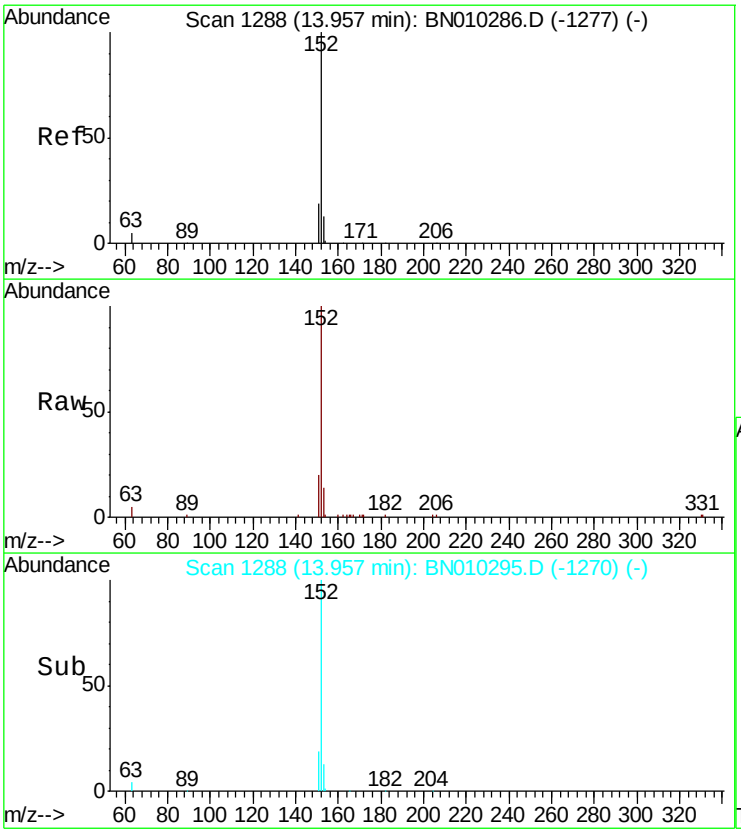
#15
2-Fluorobiphenyl
Concen: 0.415 ng
RT: 12.86 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:172 Resp: 14456

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.6	41.4
170	22.2	18.5	27.7

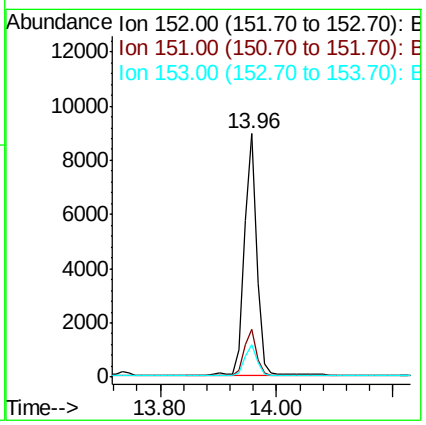


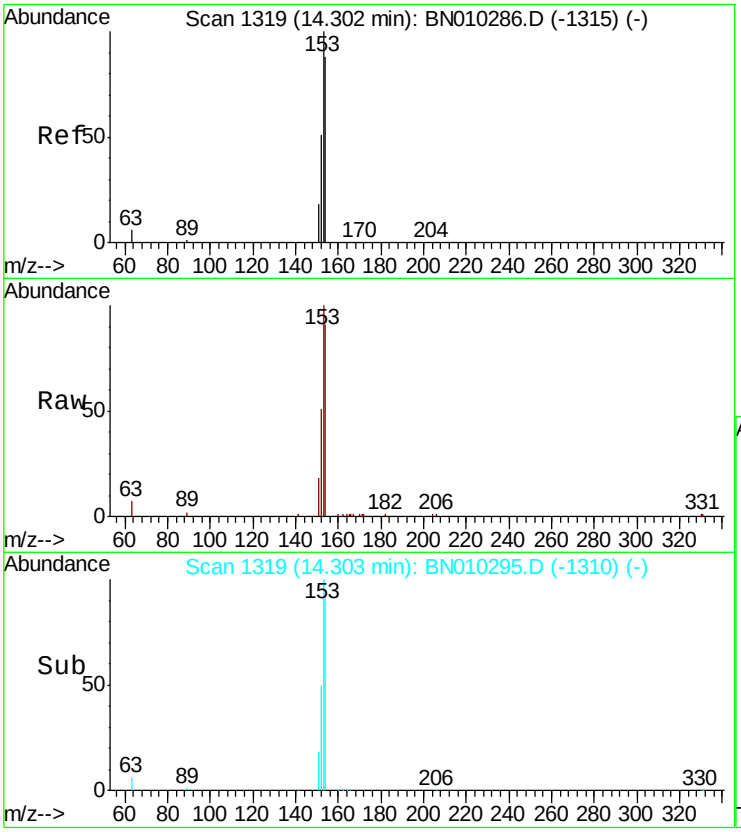


#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.96 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:152 Resp: 13454

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.6	23.4
153	12.9	10.6	15.8



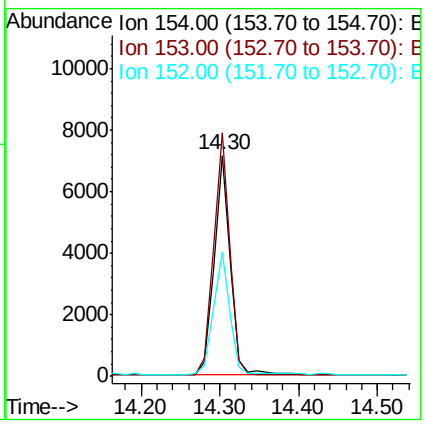


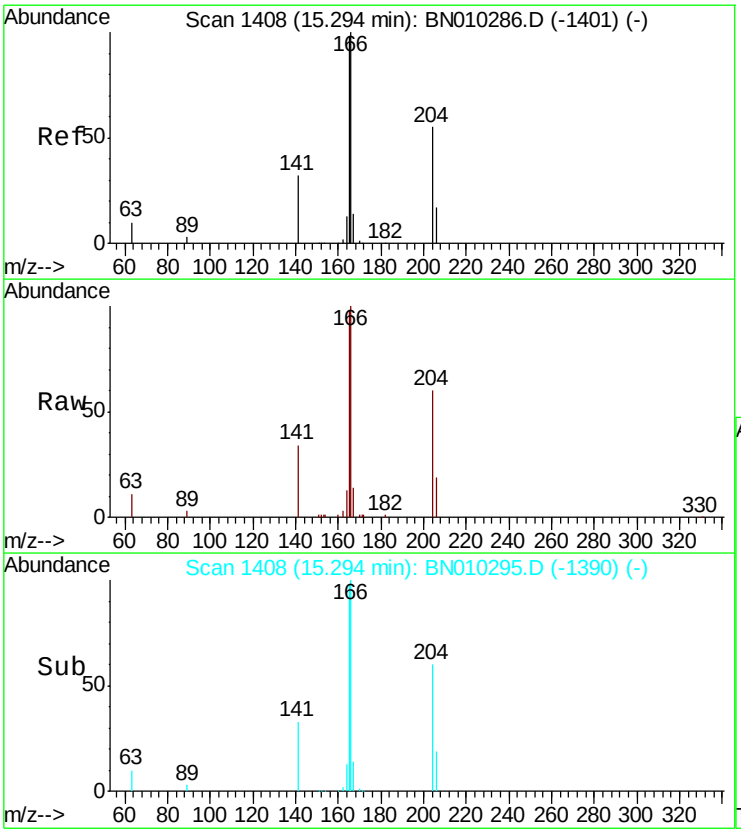
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.30 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:154 Resp: 10023

Ion	Ratio	Lower	Upper
154	100		
153	109.9	88.1	132.1
152	56.4	45.5	68.3

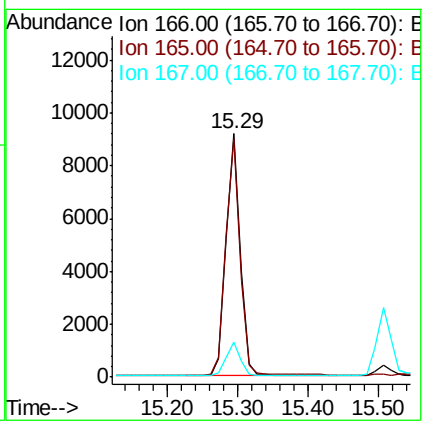


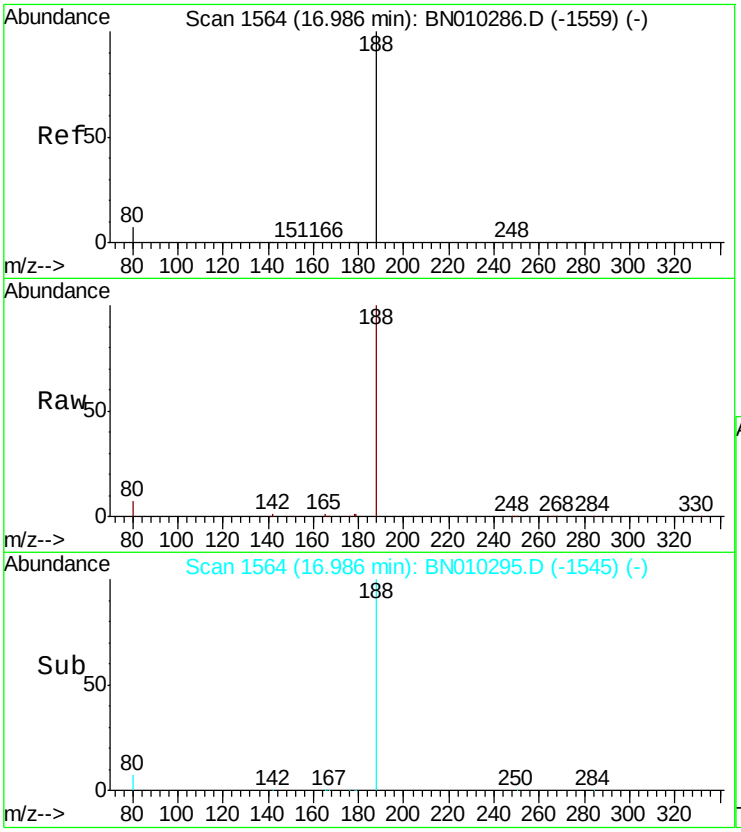


#18
Fluorene
Concen: 0.388 ng
RT: 15.29 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:166 Resp: 13109

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.7	118.1
167	13.6	11.0	16.4



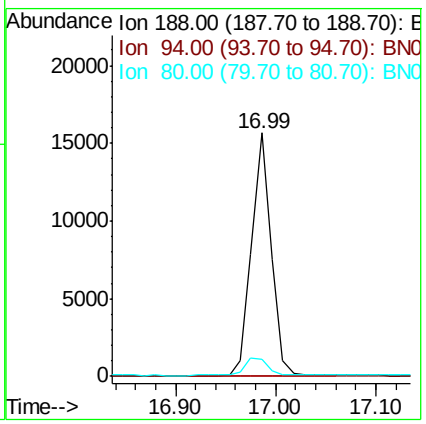


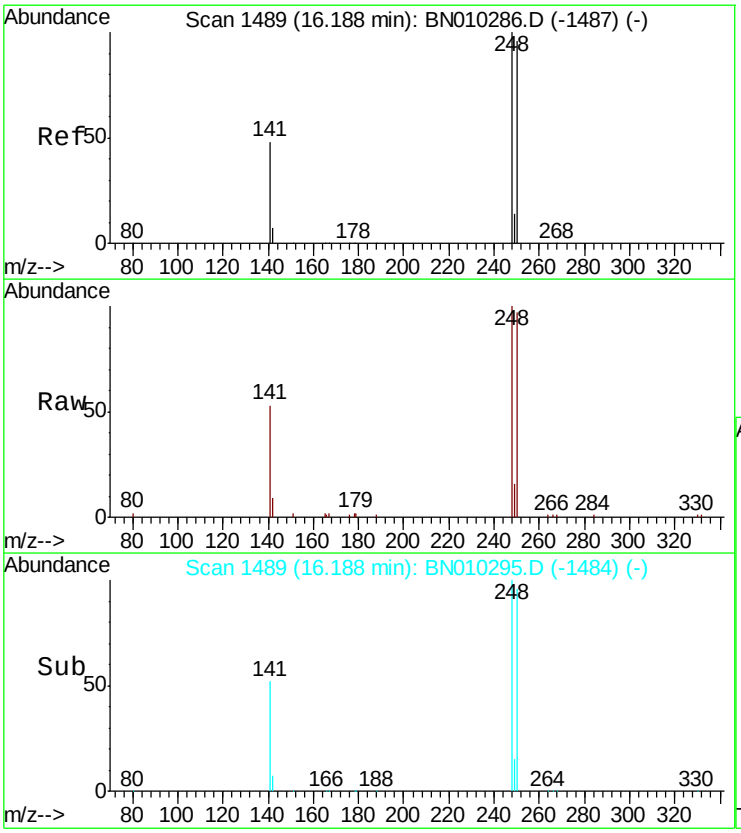
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:188 Resp: 21139

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.2	6.0	9.0

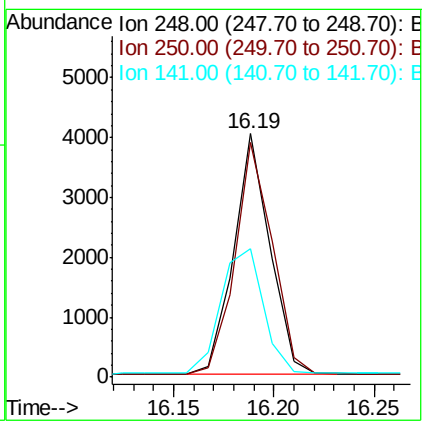


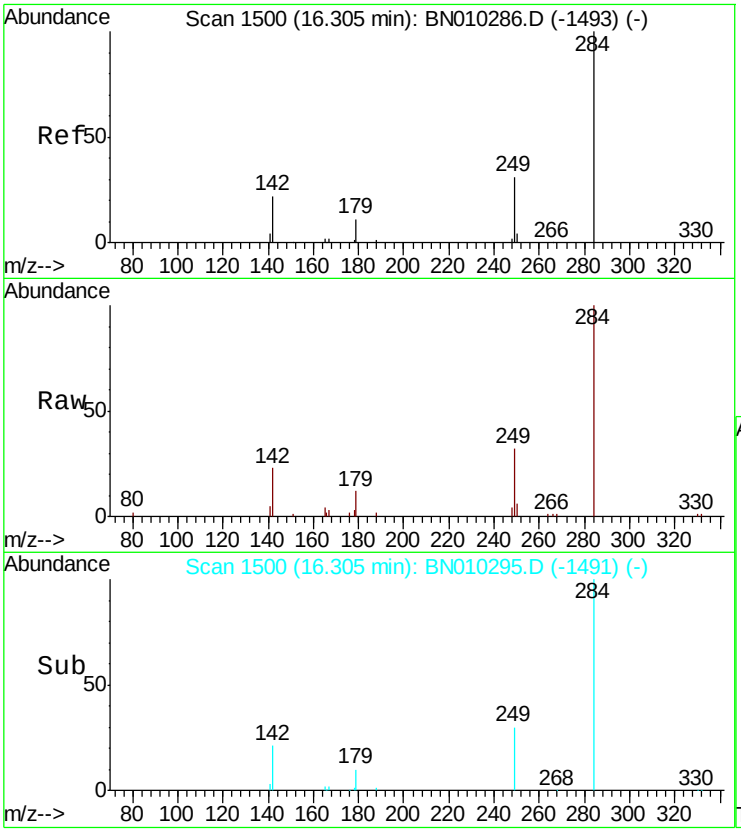


#20
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 16.19 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:248 Resp: 5057

Ion	Ratio	Lower	Upper
248	100		
250	96.6	76.8	115.2
141	52.9	44.4	66.6



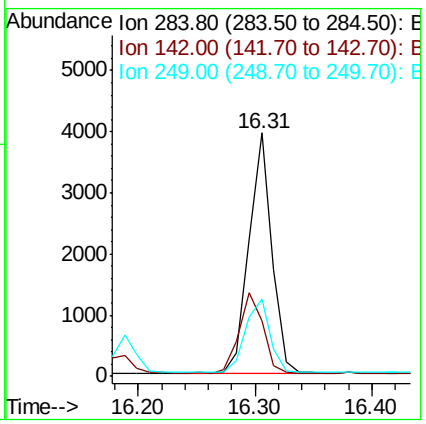


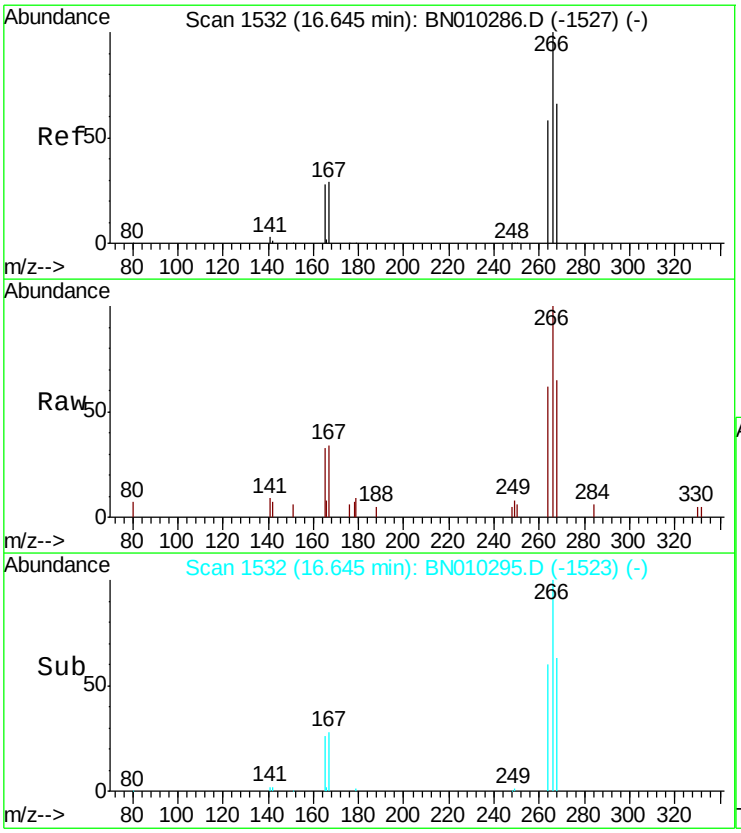
#21
Hexachlorobenzene
Concen: 0.406 ng
RT: 16.31 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:284 Resp: 5344

Ion	Ratio	Lower	Upper
284	100		
142	34.2	27.4	41.2
249	33.2	26.5	39.7

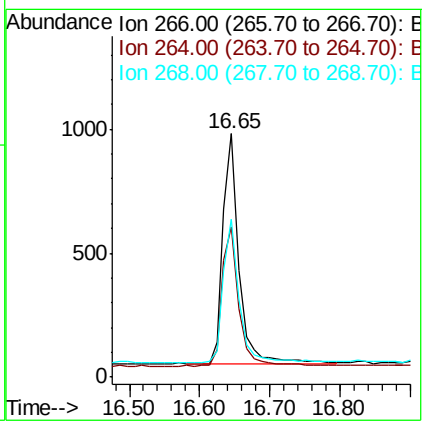


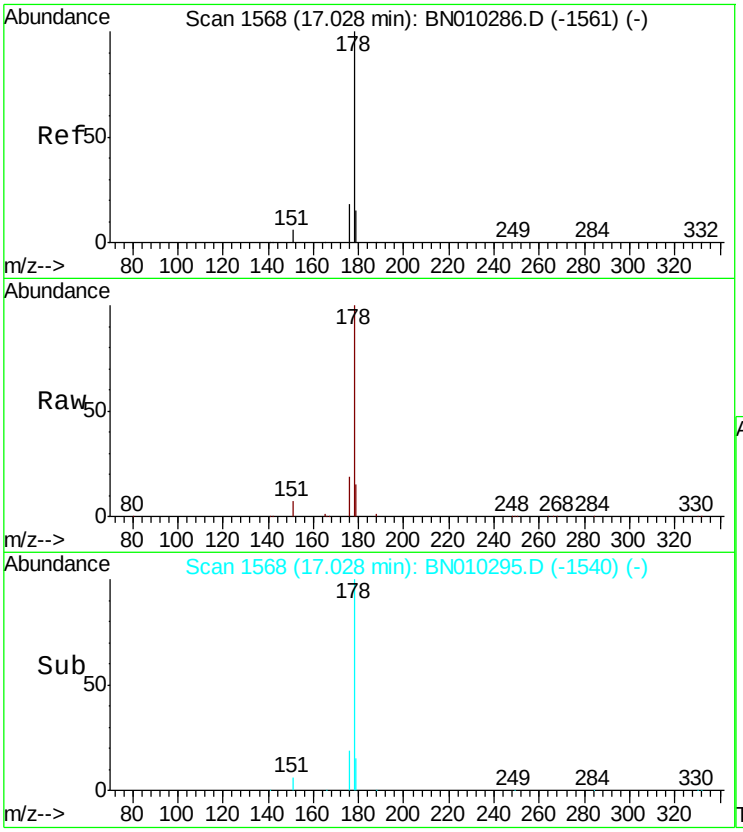


#22
Pentachlorophenol
Concen: 0.331 ng
RT: 16.65 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:266 Resp: 1494

Ion	Ratio	Lower	Upper
266	100		
264	61.6	47.7	71.5
268	65.1	54.9	82.3



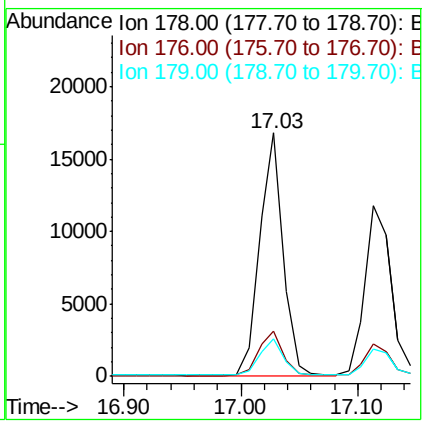


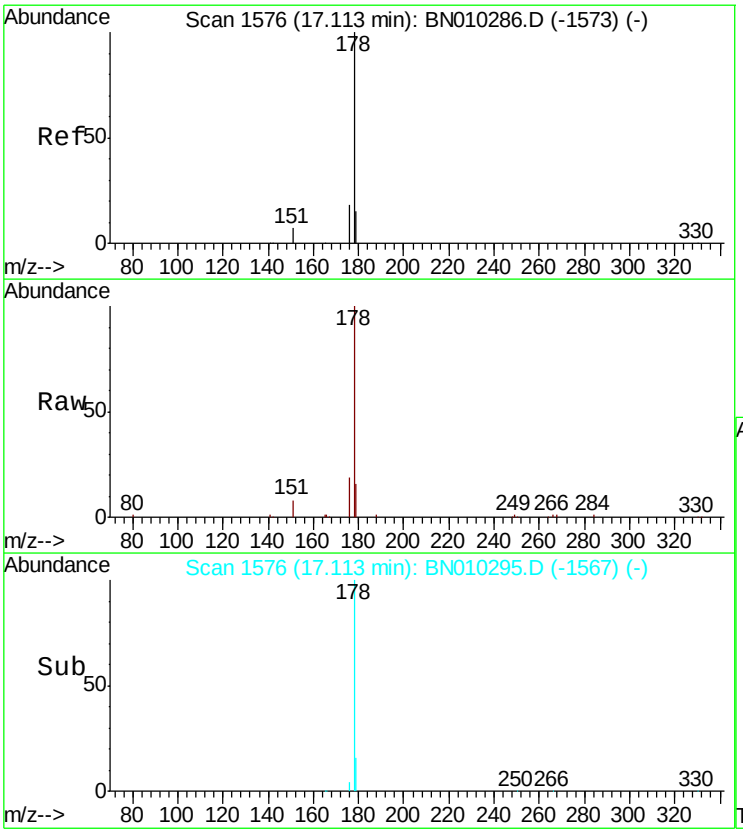
#23
Phenanthrene
Concen: 0.400 ng
RT: 17.03 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:178 Resp: 23229

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.3	12.4	18.6

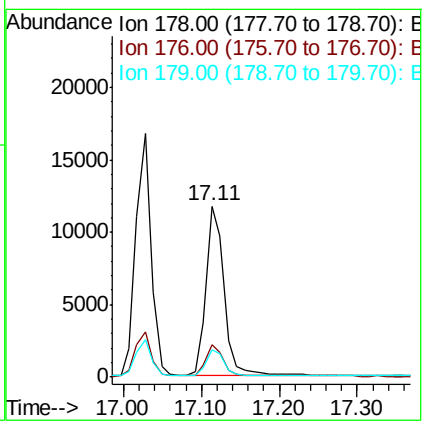


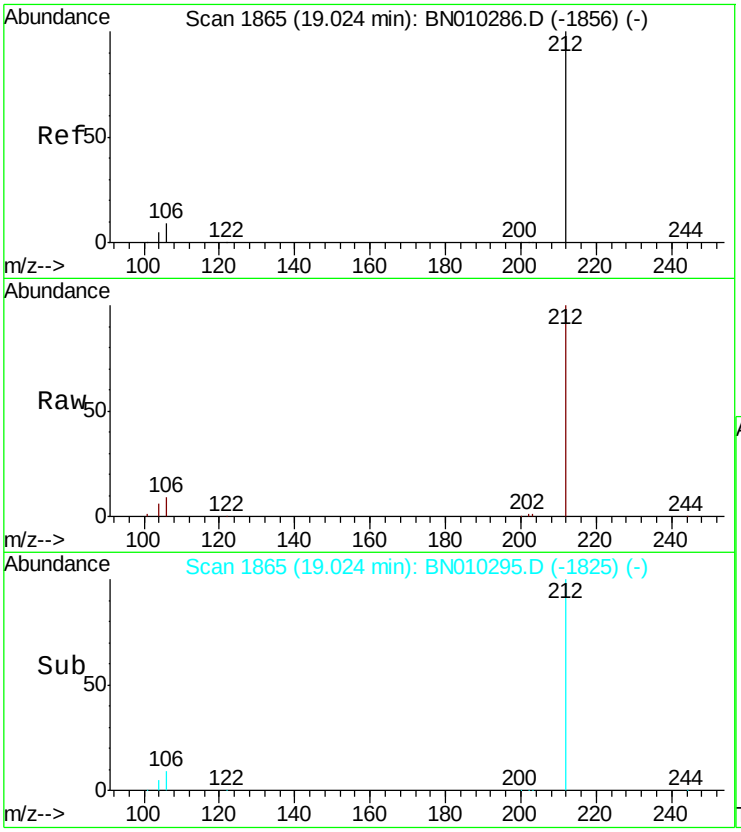


#24
Anthracene
Concen: 0.378 ng
RT: 17.11 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:178 Resp: 18770

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.4	12.3	18.5



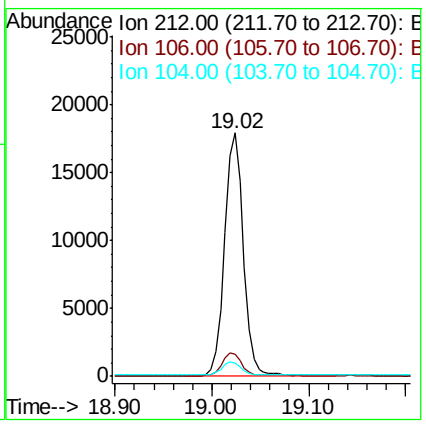


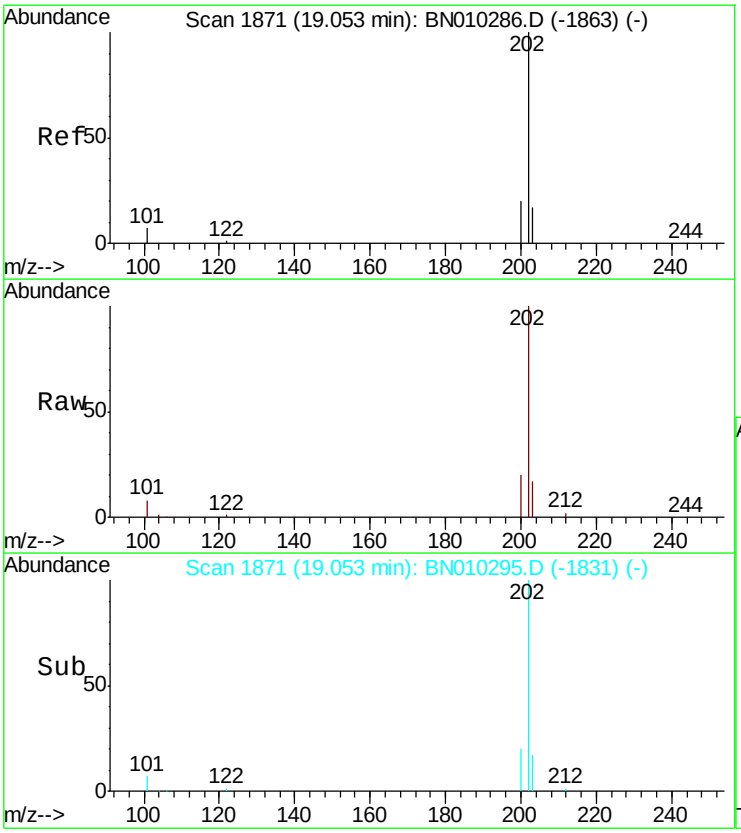
#25
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.02 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:212 Resp: 23998

Ion	Ratio	Lower	Upper
212	100		
106	9.4	7.4	11.2
104	5.5	4.2	6.4

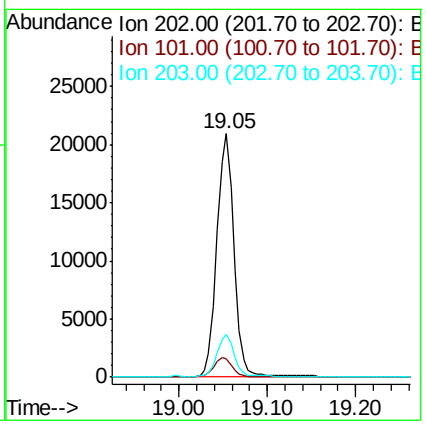


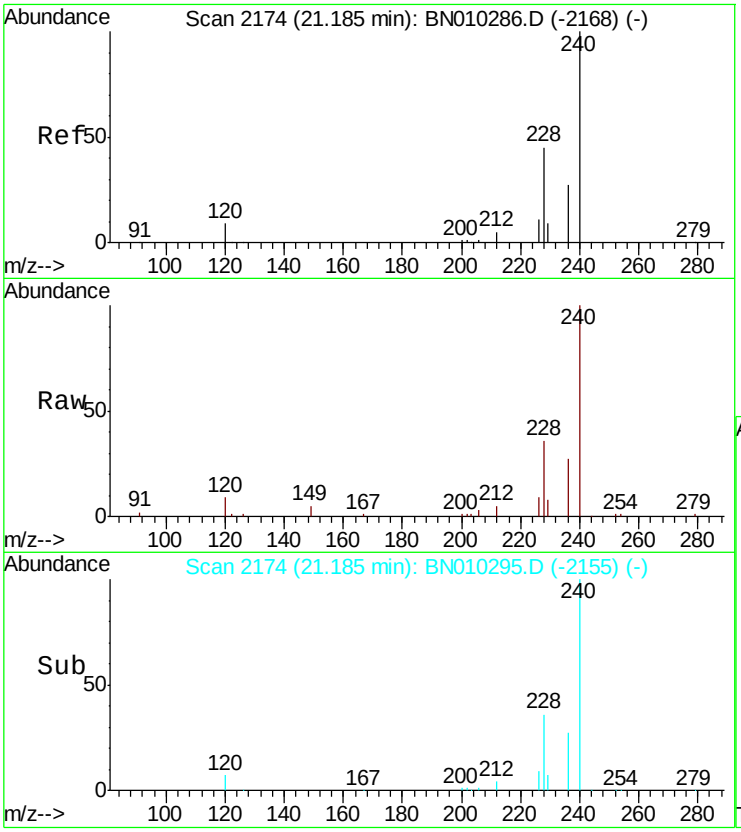


#26
Fluoranthene
Concen: 0.389 ng
RT: 19.05 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:202 Resp: 27715

Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.6	9.8
203	17.1	13.8	20.8



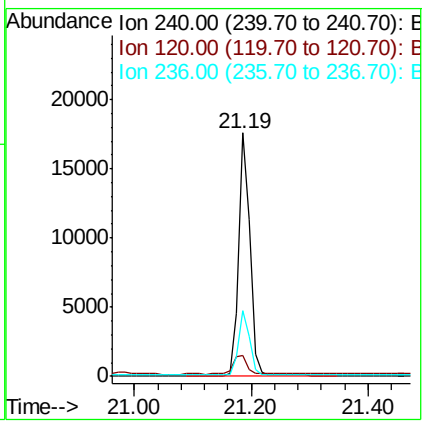


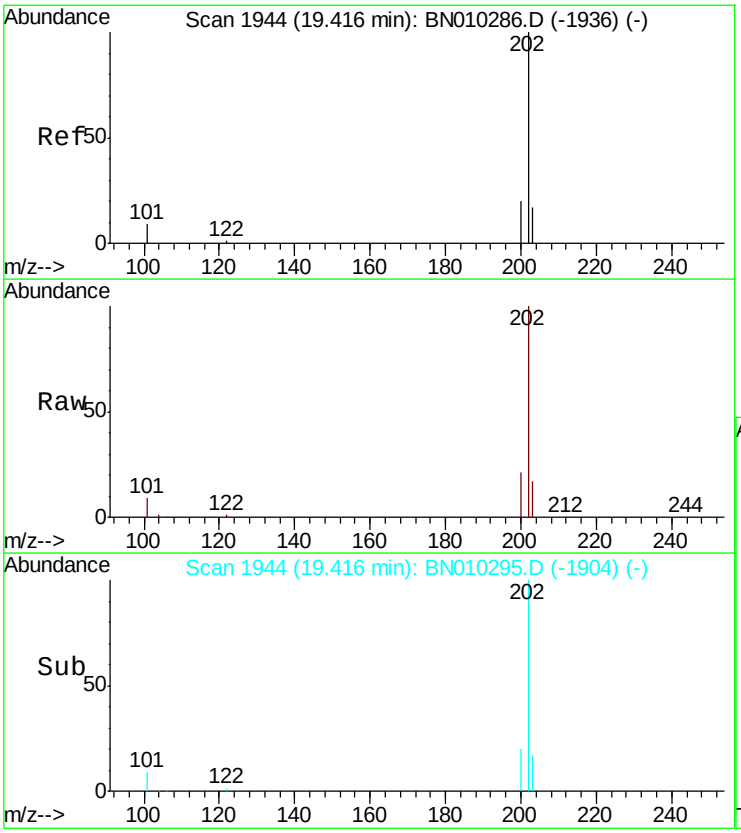
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:240 Resp: 22820

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.9	11.9
236	27.1	22.2	33.4

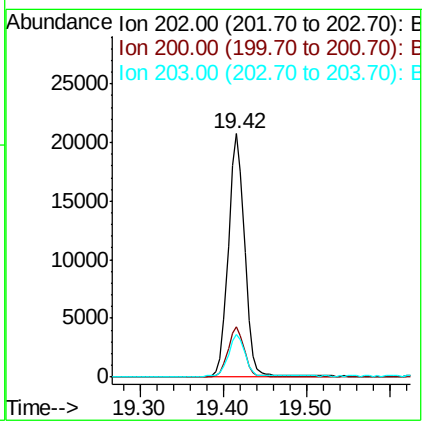


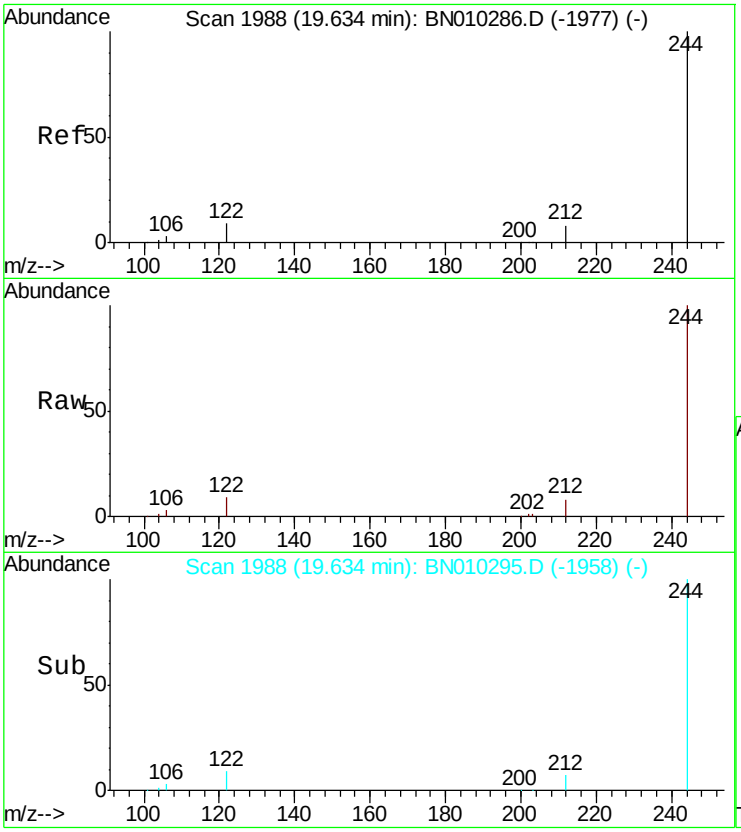


#28
Pyrene
Concen: 0.391 ng
RT: 19.42 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:202 Resp: 27774

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.3	14.2	21.2



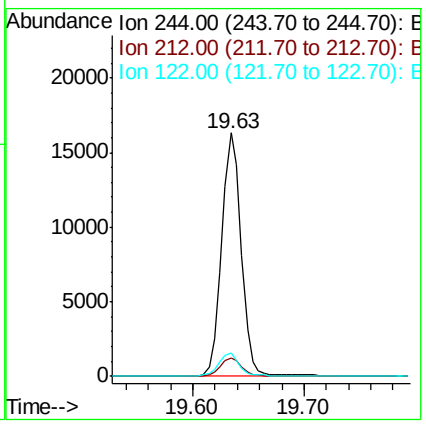


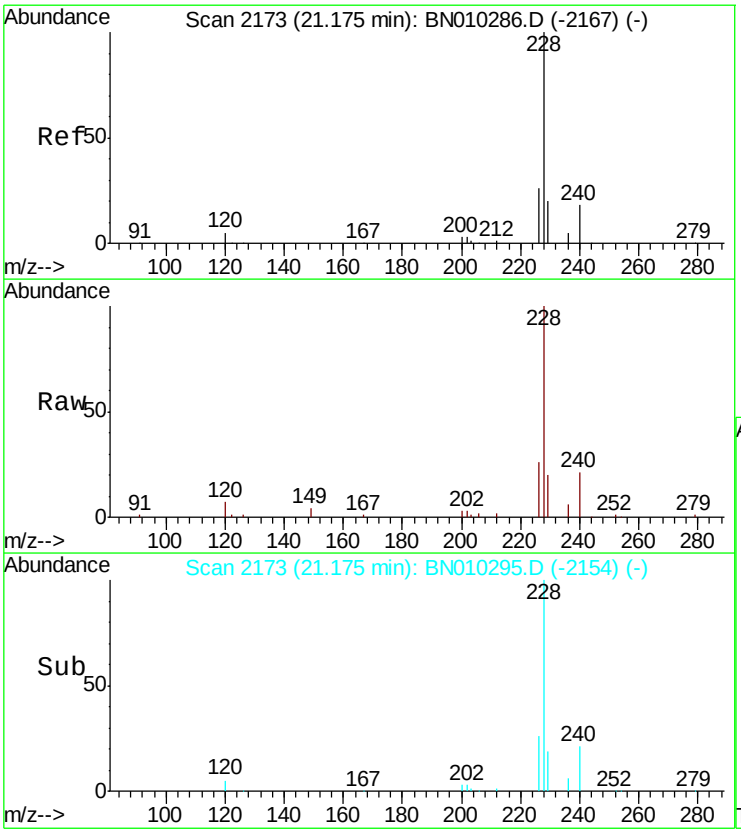
#29
Terphenyl-d14
Concen: 0.399 ng
RT: 19.63 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:244 Resp: 19663

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.3	9.5
122	9.4	7.6	11.4

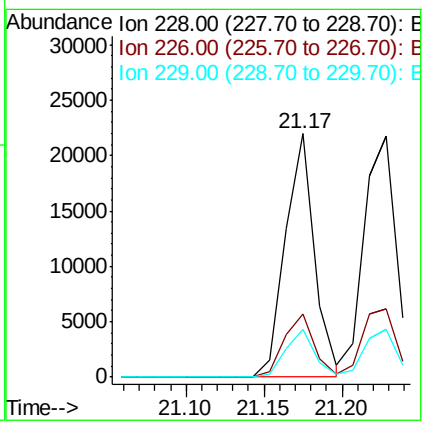


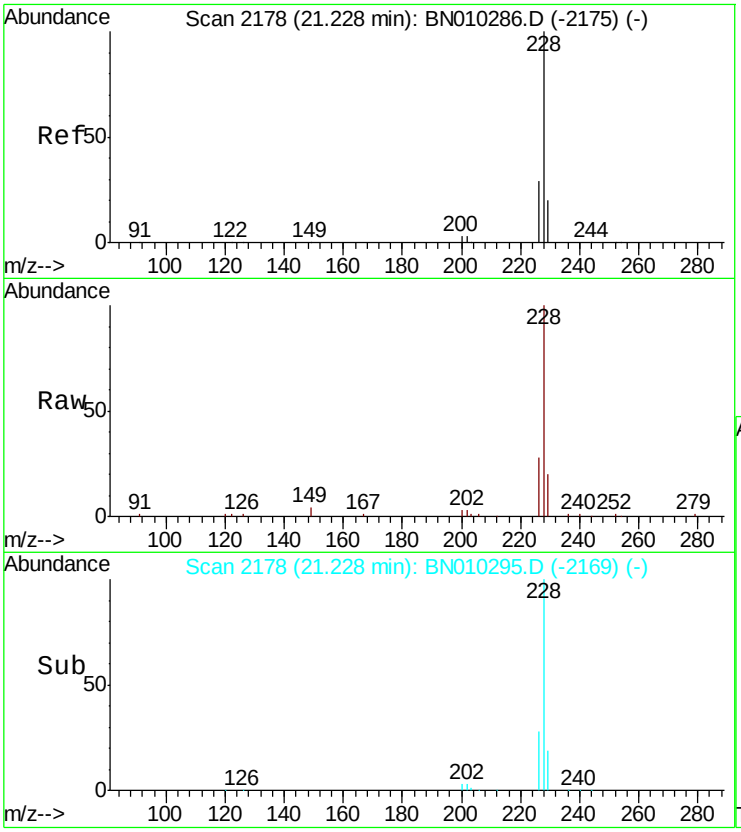


#30
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:228 Resp: 28169

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.0	31.4
229	19.7	16.0	24.0



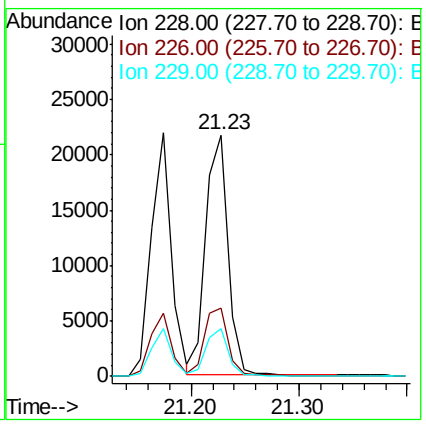


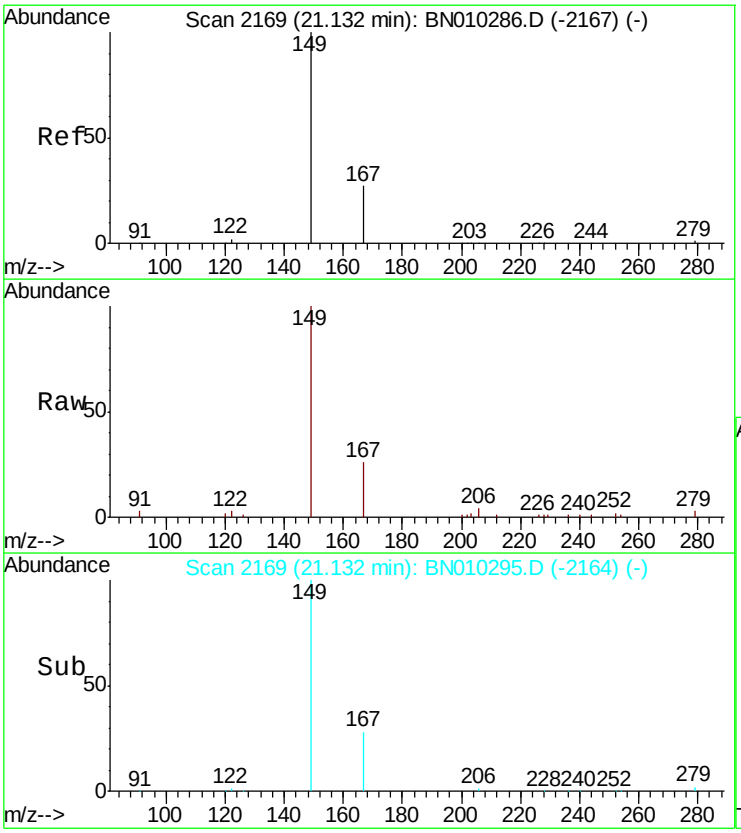
#31
Chrysene
Concen: 0.400 ng
RT: 21.23 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:228 Resp: 31197

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.0	34.6
229	19.7	16.0	24.0

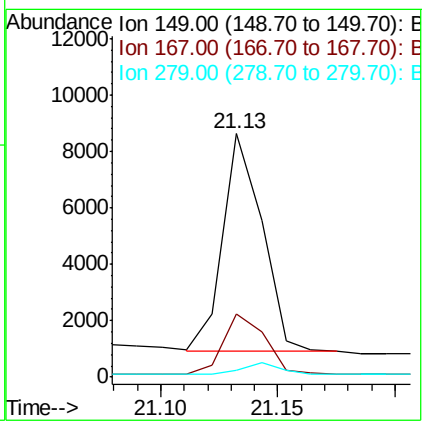


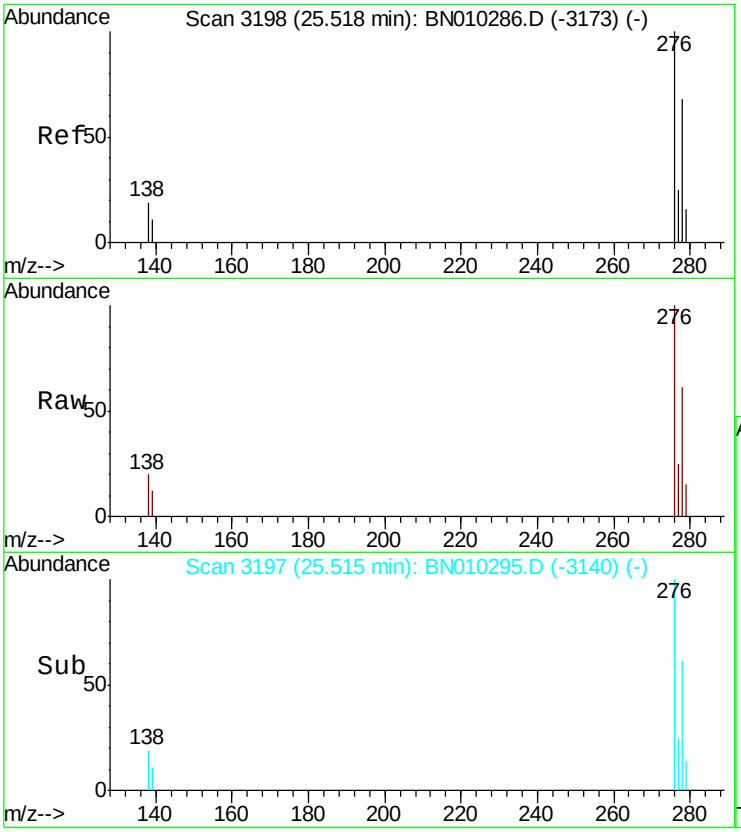


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.367 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:149 Resp: 9011

Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.0	34.6
279	5.0	3.8	5.8



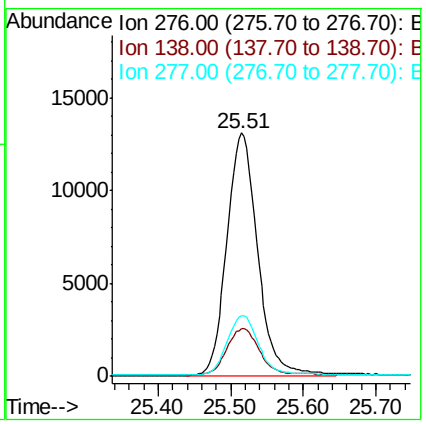


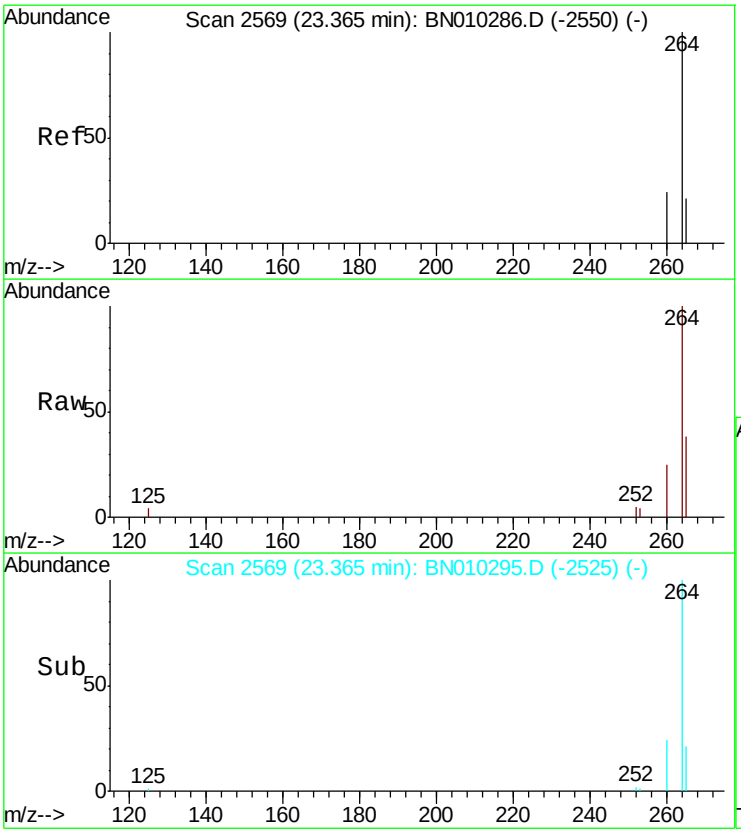
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.458 ng
RT: 25.51 min Scan# 3197
Delta R.T. -0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:276 Resp: 38249

Ion	Ratio	Lower	Upper
276	100		
138	20.1	15.6	23.4
277	25.0	20.1	30.1

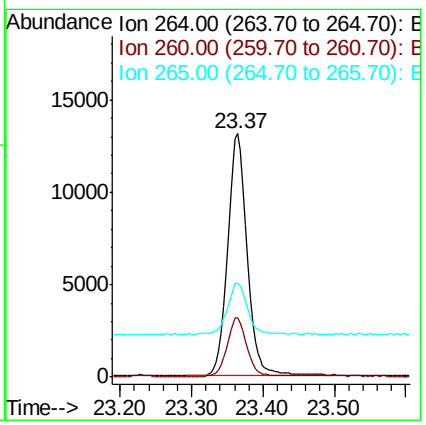


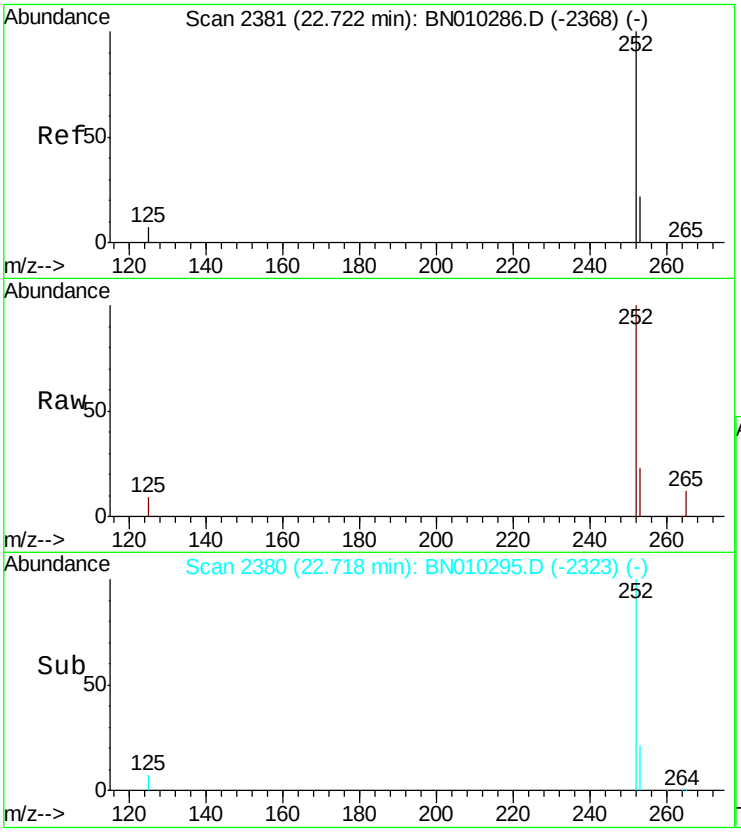


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.37 min Scan# 2569
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:264 Resp: 25030

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	38.5	32.4	48.6



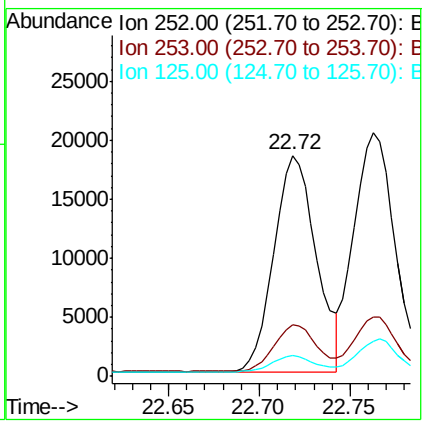


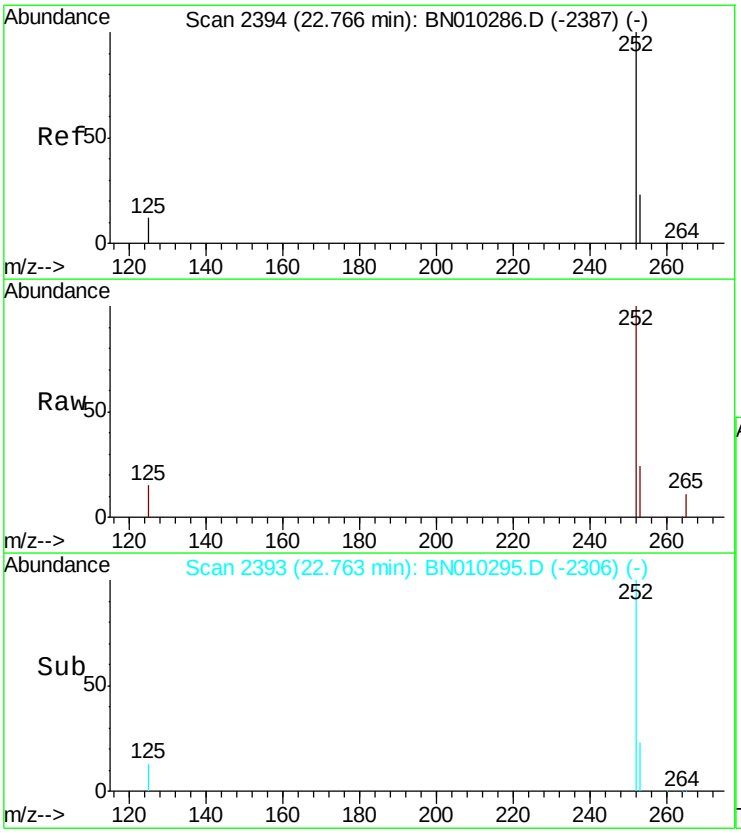
#35
Benzo(b)fluoranthene
Concen: 0.353 ng
RT: 22.72 min Scan# 2380
Delta R.T. -0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:252 Resp: 30000

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	9.2	7.4	11.0

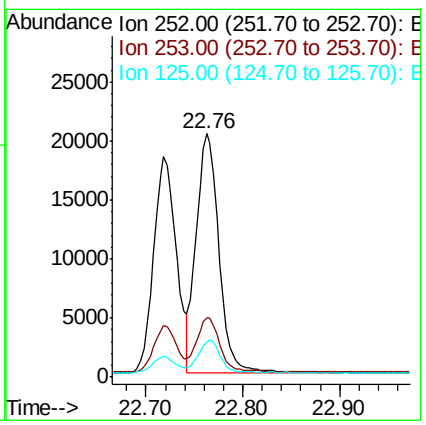


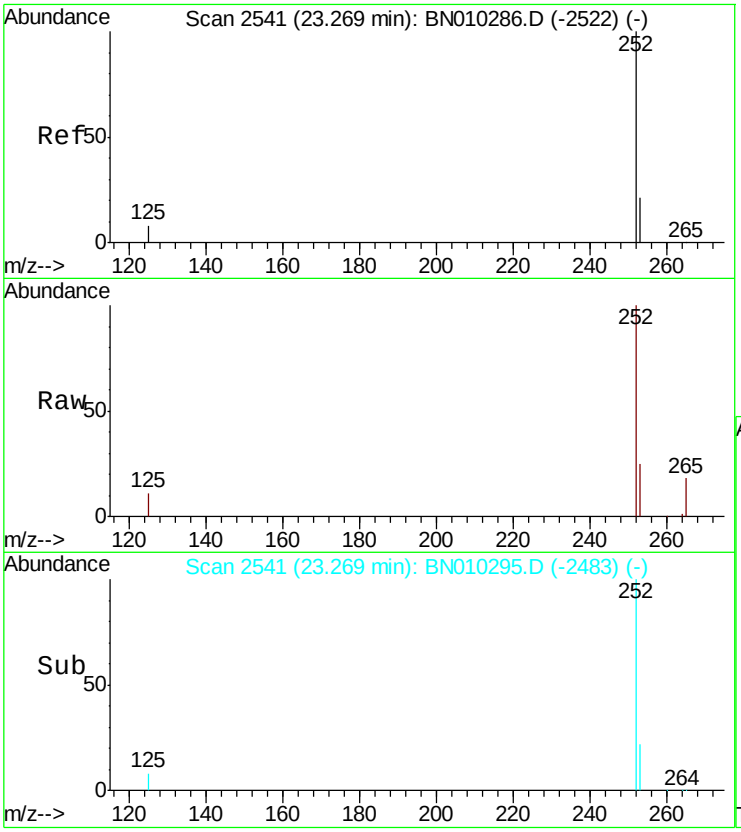


#36
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 22.76 min Scan# 2393
Delta R.T. -0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:252 Resp: 32878

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.0
125	14.6	10.2	15.2



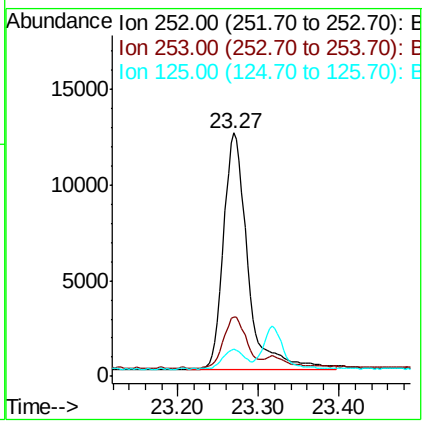


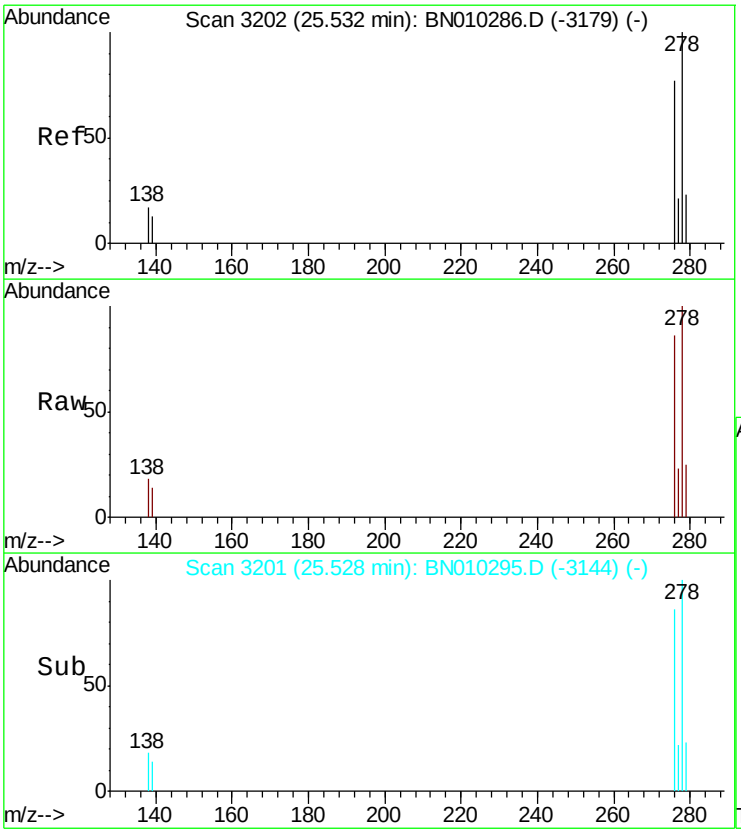
#37
Benzo(a)pyrene
Concen: 0.364 ng
RT: 23.27 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:252 Resp: 26086

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.9	29.9
125	11.1	8.9	13.3

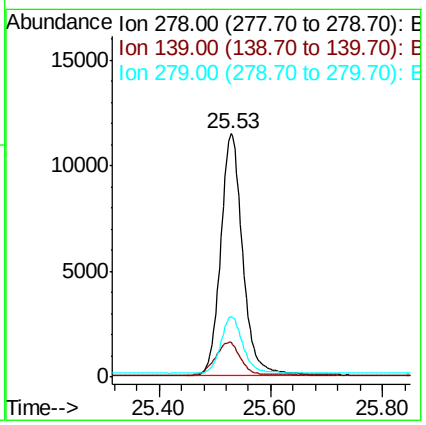


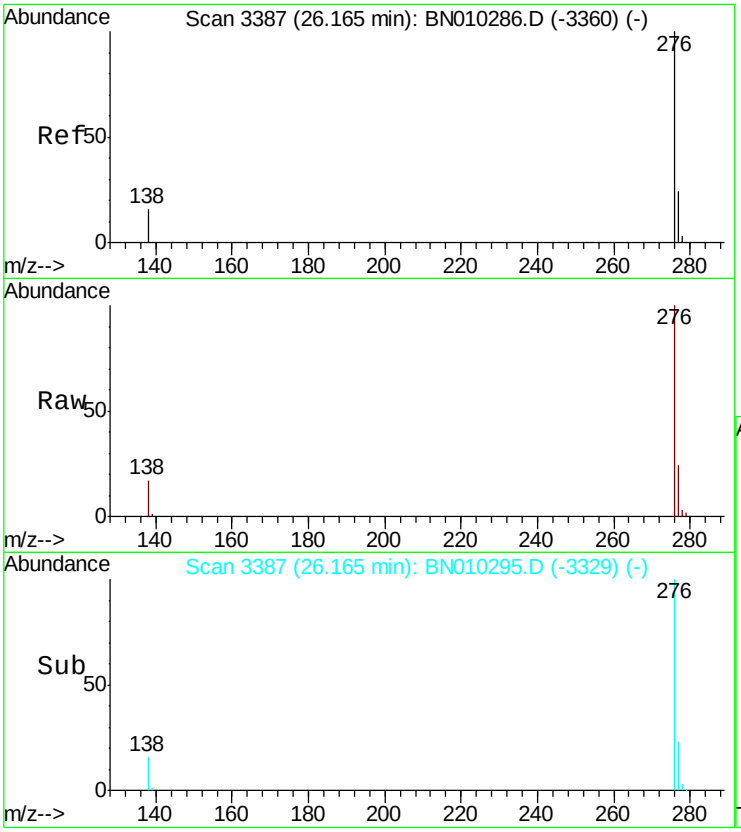


#38
Dibenzo(a,h)anthracene
Concen: 0.407 ng
RT: 25.53 min Scan# 3201
Delta R.T. -0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Tgt Ion:278 Resp: 31559

Ion	Ratio	Lower	Upper
278	100		
139	14.2	10.6	16.0
279	24.9	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.373 ng
RT: 26.17 min Scan# 3387
Delta R.T. 0.00 min
Lab File: BN010295.D
Acq: 19 Mar 2020 19:15

Instrument :
BNA_N
ClientSampleId :
PB127689BSD

Tgt Ion:276 Resp: 29116

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.6	29.4
138	17.0	13.3	19.9