Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061120\
Data File : BN010837.D
Acq On : 11 Jun 2020 13:20
Operator : CG/JU
Sample : L2904-03MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : VE-4-11MSD

Quant Time: Jun 11 13:50:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 15:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	4489	0.40	ng		0.00
7) Naphthalene-d8	10.30	136	16856	0.40	ng		0.00
13) Acenaphthene-d10	14.18	164	11073	0.40	ng		0.00
19) Phenanthrene-d10	16.93	188	20553	0.40	ng		0.00
27) Chrysene-d12	21.13	240	19929	0.40	ng		0.00
34) Perylene-d12	23.29	264	21935	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	1649	0.19	ng		0.00
5) Phenol-d6	6.75	99	1267	0.12	ng		0.00
8) Nitrobenzene-d5	8.68	82	5238	0.42	ng		-0.01
11) 2-Methylnaphthalene-d10	11.90	152	9810	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.68	330	1931	0.49	ng		0.00
15) 2-Fluorobiphenyl	12.79	172	14896	0.34	ng		0.00
25) Fluoranthene-d10	18.97	212	23261	0.41	ng		0.00
29) Terphenyl-d14	19.58	244	20225	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	2168	0.493	ng	#	88
3) n-Nitrosodimethylamine	3.54	42	443	0.173	ng	#	94
6) bis(2-Chloroethyl)ether	6.99	93	4949	0.497	ng		95
9) Naphthalene	10.35	128	19430	0.459	ng		99
10) Hexachlorobutadiene	10.65	225	3974	0.380	ng	#	100
12) 2-Methylnaphthalene	11.97	142	14072	0.496	ng		95
16) Acenaphthylene	13.89	152	22284	0.491	ng	#	82
17) Acenaphthene	14.24	154	12758	0.412	ng		96
18) Fluorene	15.23	166	17415	0.437	ng		97
20) 4-Bromophenyl-phenylether	16.13	248	5292	0.428	ng	#	85
21) Hexachlorobenzene	16.24	284	5355	0.416	ng		96
22) Pentachlorophenol	16.59	266	8539	1.974	ng		93
23) Phenanthrene	17.06	178	40270	0.717	ng		97
24) Anthracene	17.06	178	39884	0.851	ng		96
26) Fluoranthene	19.00	202	31335	0.492	ng	#	97
28) Pyrene	19.36	202	37919	0.575	ng		97
30) Benzo(a)anthracene	21.12	228	29419	0.502	ng	#	77
31) Chrysene	21.17	228	29411	0.431	ng	#	80
32) Bis(2-ethylhexyl)phthalate	21.08	149	17095	0.875	ng		98
33) Indeno(1,2,3-cd)pyrene	25.40	276	30473	0.399	ng	#	97
35) Benzo(b)fluoranthene	22.65	252	28767	0.386	ng	#	79
36) Benzo(k)fluoranthene	22.69	252	28559	0.359	ng	#	79
37) Benzo(a)pyrene	23.19	252	25559	0.400	ng	#	84
38) Dibenzo(a,h)anthracene	25.42	278	25013	0.343	ng	#	87
39) Benzo(g,h,i)perylene	26.04	276	25998	0.341	ng	#	90

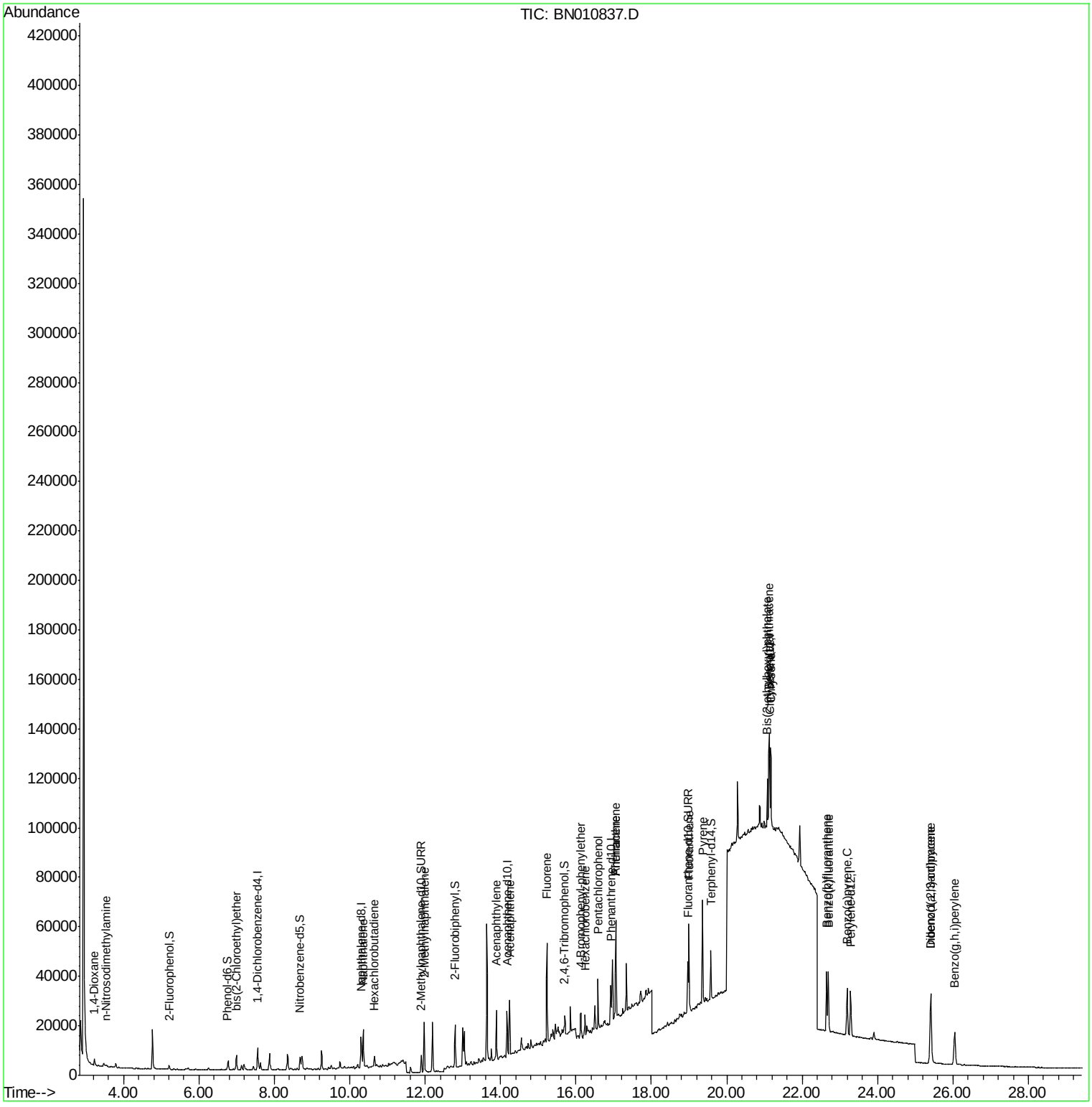
(#) = qualifier out of range (m) = manual integration (+) = signals summed

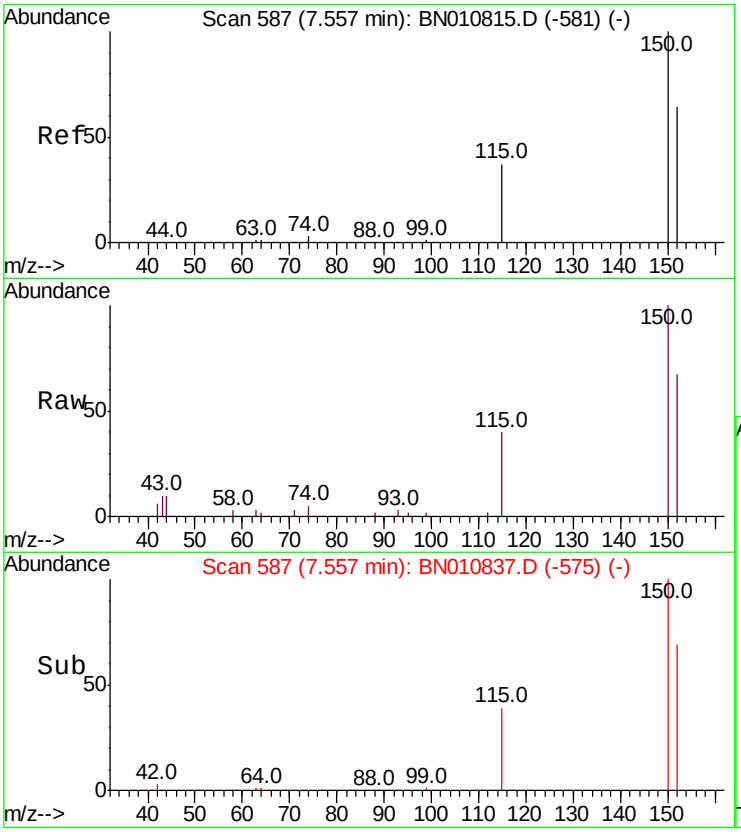
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061120\
Data File : BN010837.D
Acq On : 11 Jun 2020 13:20
Operator : CG/JU
Sample : L2904-03MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Quant Time: Jun 11 13:50:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 15:14:26 2020
Response via : Initial Calibration



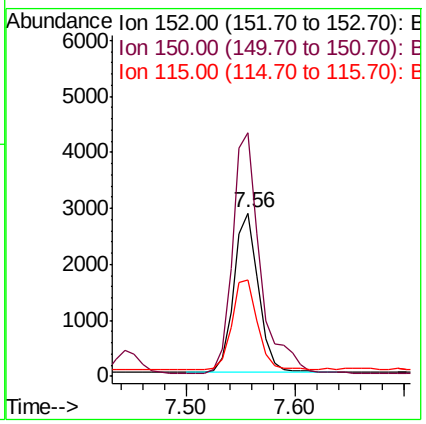


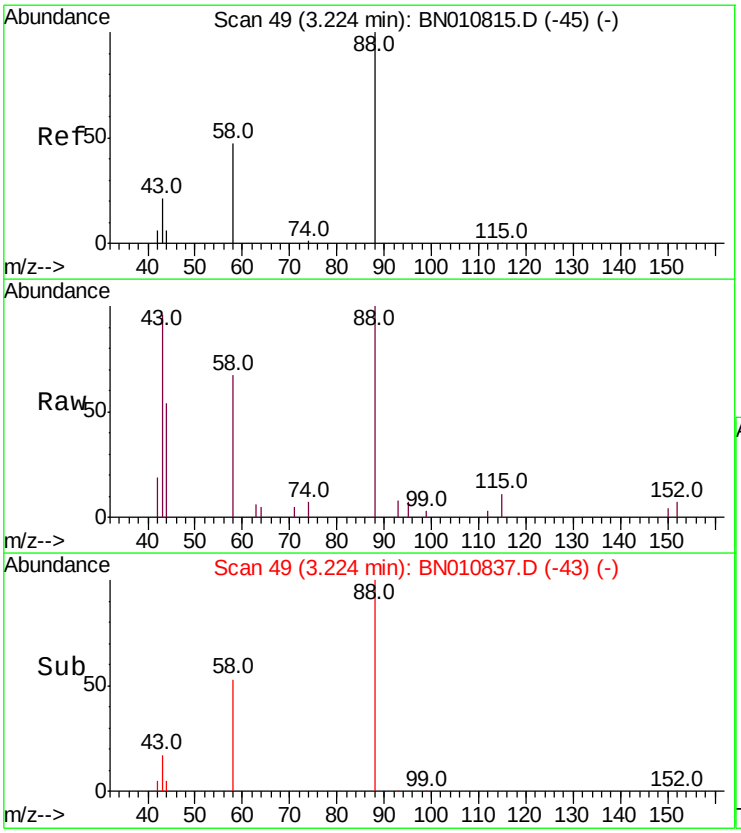
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.56 min Scan# 587
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:152 Resp: 4489

Ion	Ratio	Lower	Upper
152	100		
150	149.4	123.8	185.6
115	59.5	49.2	73.8

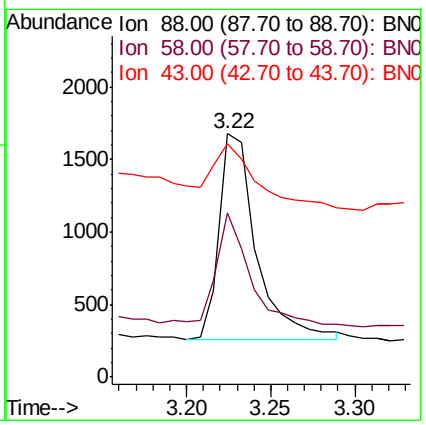


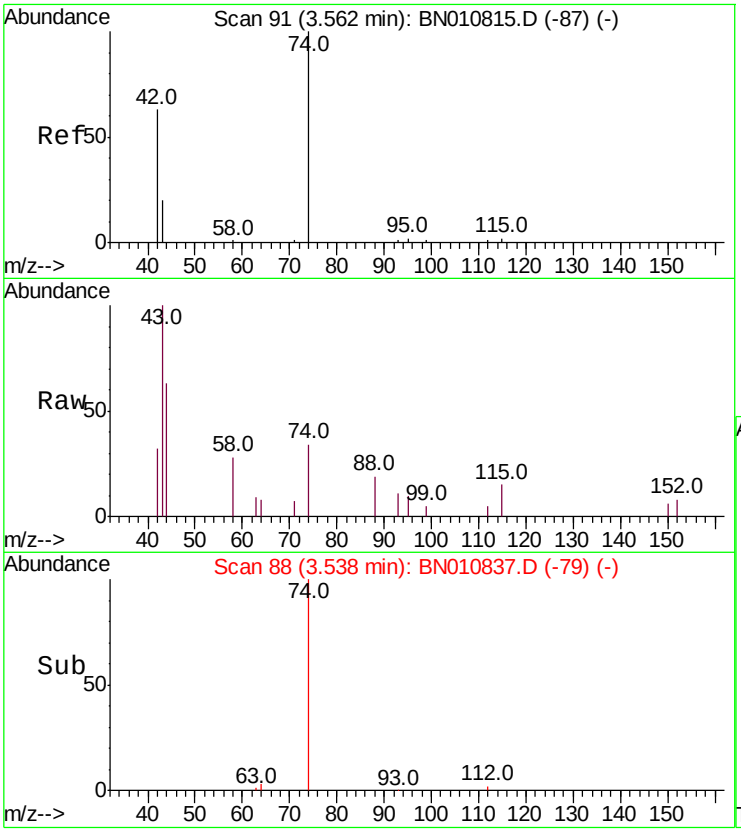


#2
1,4-Dioxane
Concen: 0.493 ng
RT: 3.22 min Scan# 49
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion: 88 Resp: 2168

Ion	Ratio	Lower	Upper
88	100		
58	46.0	38.2	57.4
43	35.2	15.1	22.7#



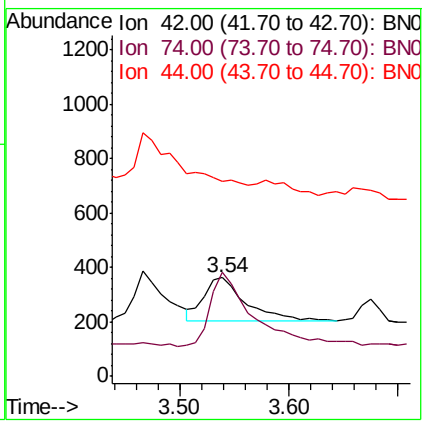


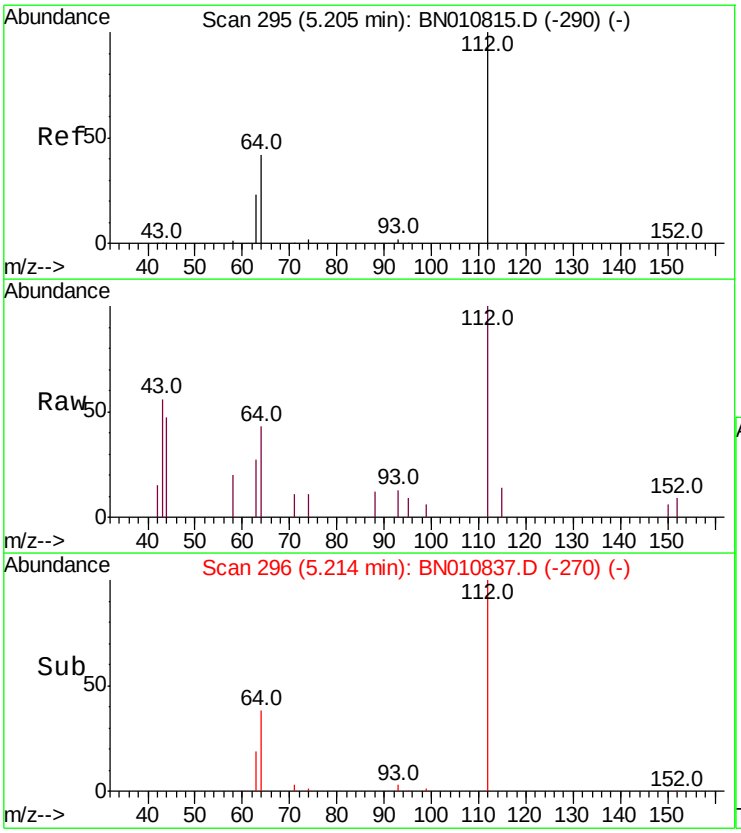
#3
n-Nitrosodimethylamine
Concen: 0.173 ng
RT: 3.54 min Scan# 88
Delta R.T. -0.02 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 42 Resp: 443

Ion	Ratio	Lower	Upper
42	100		
74	167.3	140.7	211.1
44	0.0	1.4	2.2#

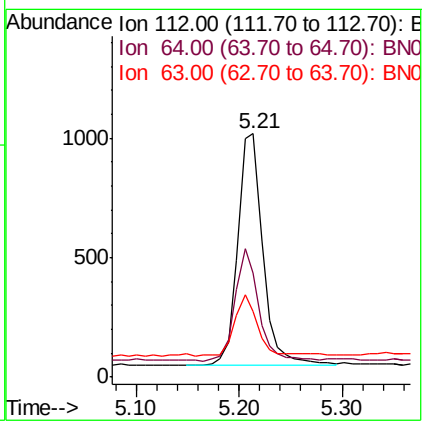


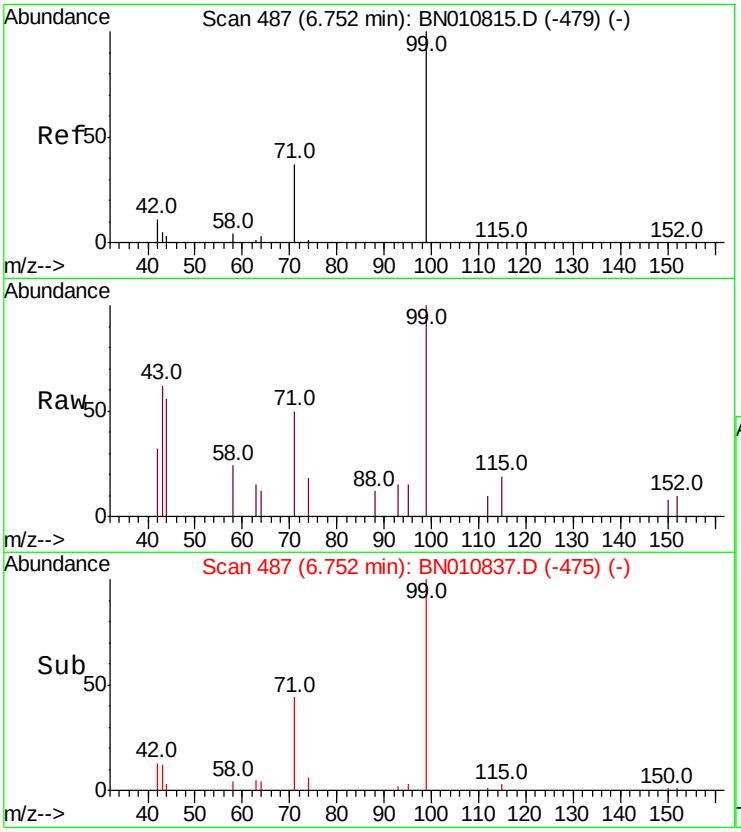


#4
2-Fluorophenol
Concen: 0.190 ng
RT: 5.21 min Scan# 296
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:112 Resp: 1649

Ion	Ratio	Lower	Upper
112	100		
64	45.2	37.4	56.0
63	24.3	22.2	33.4



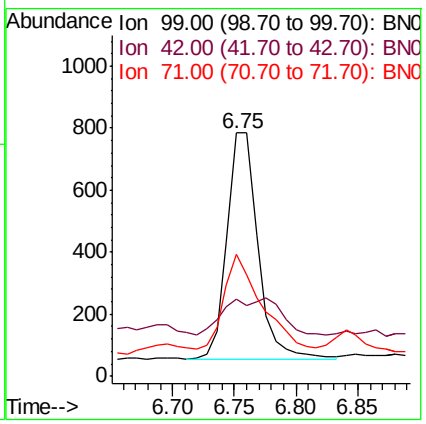


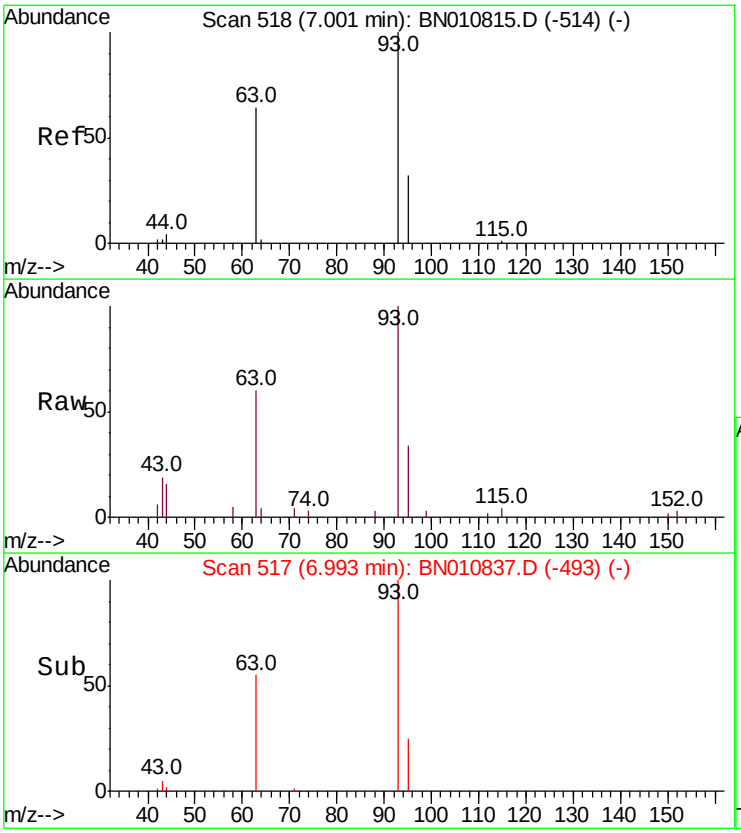
#5
Phenol-d6
Concen: 0.124 ng
RT: 6.75 min Scan# 487
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 99 Resp: 1267

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.1	16.7
71	49.5	31.4	47.2#

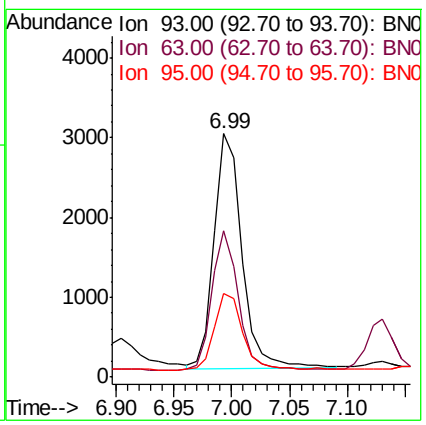


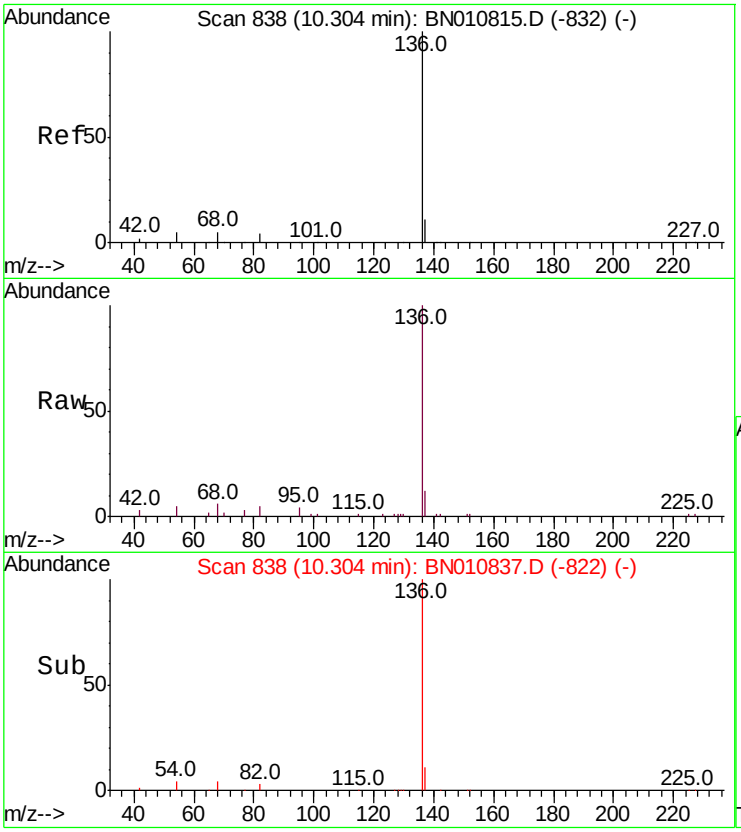


#6
bis(2-Chloroethyl)ether
Concen: 0.497 ng
RT: 6.99 min Scan# 517
Delta R.T. -0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion: 93 Resp: 4949

Ion	Ratio	Lower	Upper
93	100		
63	55.8	49.4	74.2
95	33.0	26.7	40.1



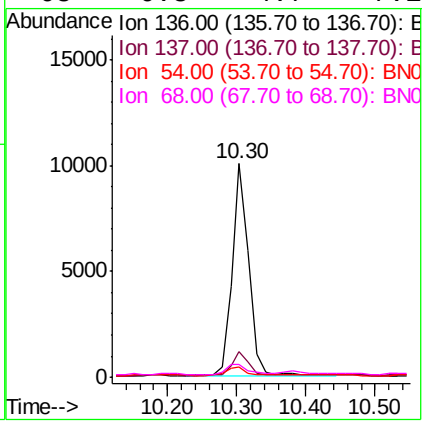


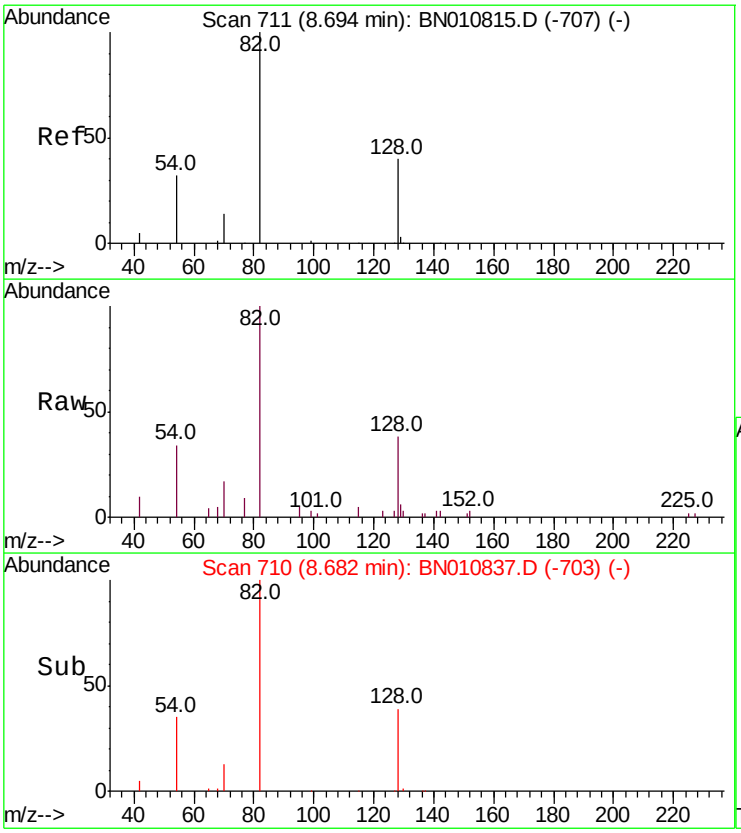
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:136 Resp: 16856

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	4.6	4.9	7.3#
68	6.3	4.7	7.1

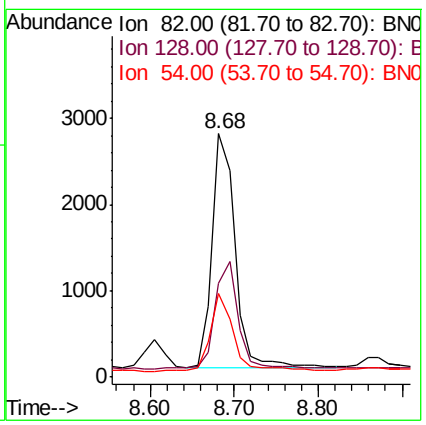


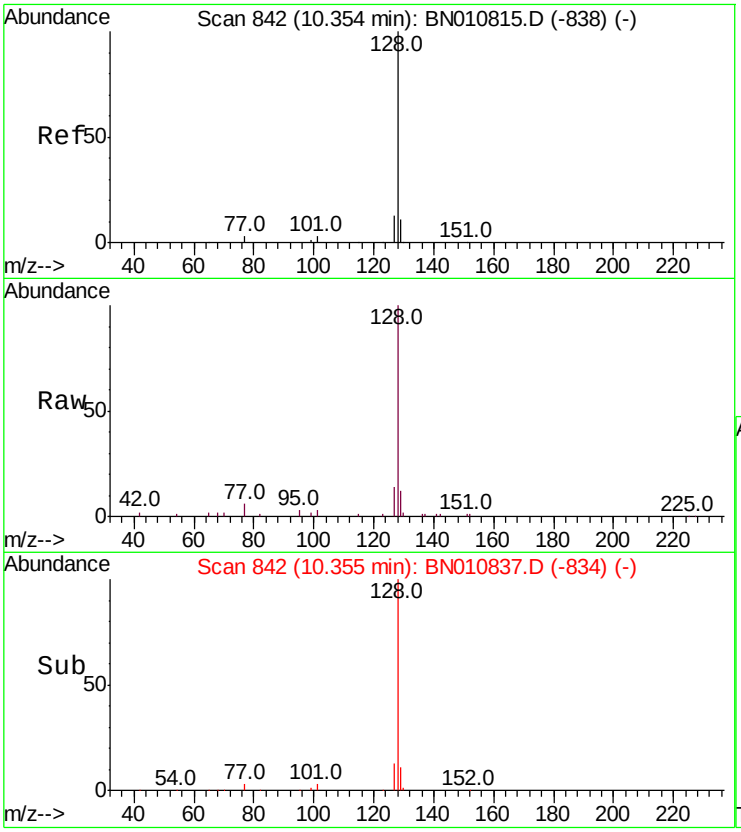


#8
Nitrobenzene-d5
Concen: 0.420 ng
RT: 8.68 min Scan# 710
Delta R.T. -0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion: 82 Resp: 5238

Ion	Ratio	Lower	Upper
82	100		
128	38.4	35.4	53.0
54	34.2	28.2	42.4



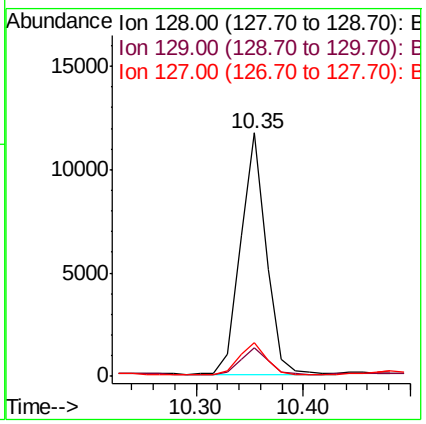


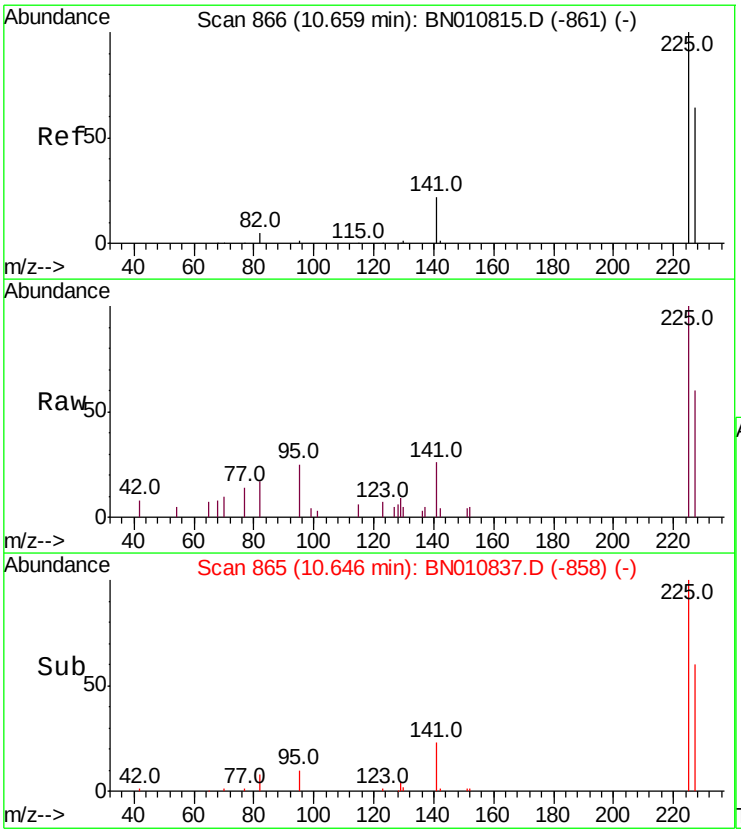
#9
Naphthalene
Concen: 0.459 ng
RT: 10.35 min Scan# 842
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:128 Resp: 19430

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.6	14.4
127	13.9	11.4	17.2

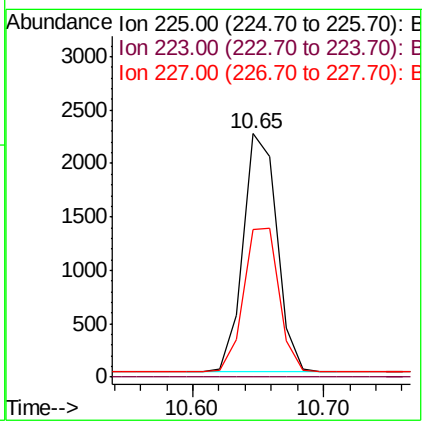


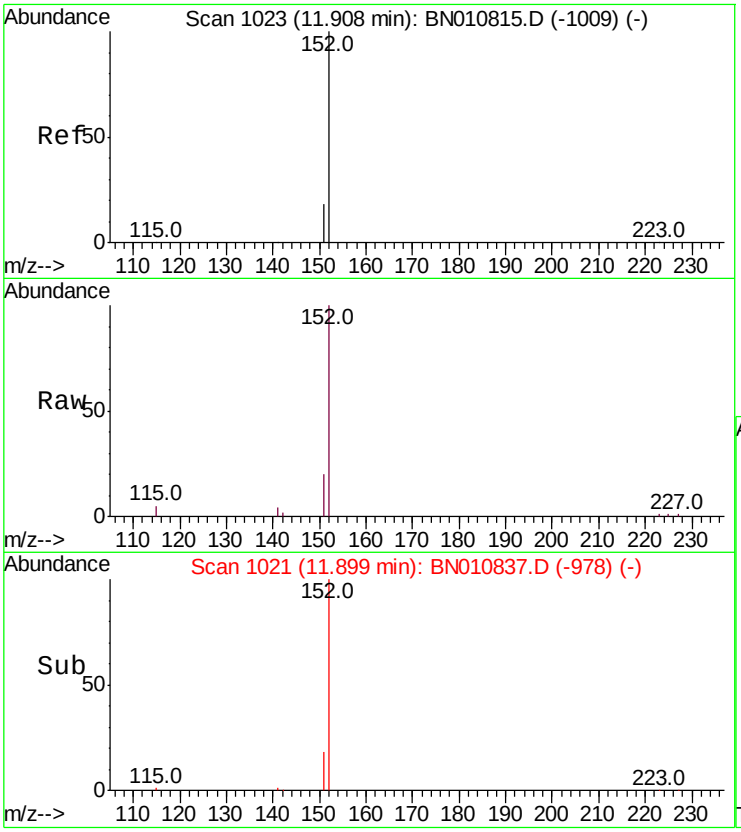


#10
Hexachlorobutadiene
Concen: 0.380 ng
RT: 10.65 min Scan# 865
Delta R.T. -0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:225 Resp: 3974

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.5	75.7



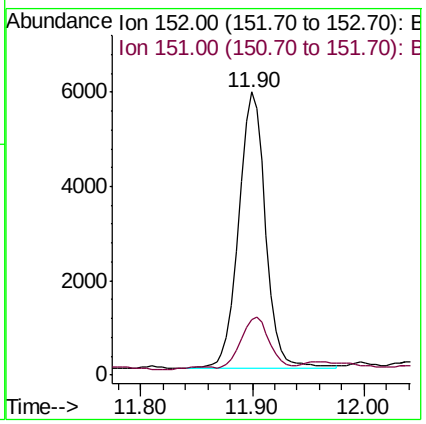


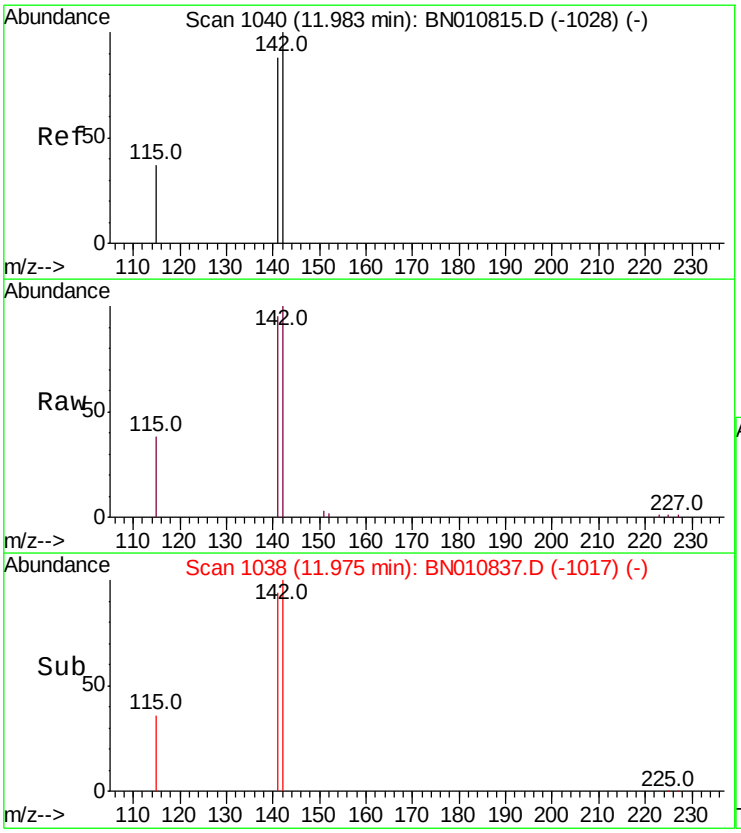
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 11.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:152 Resp: 9810

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.3	22.9

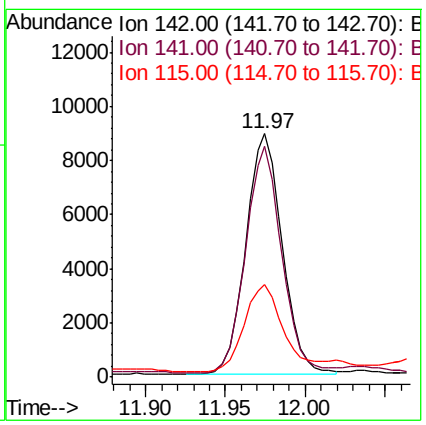


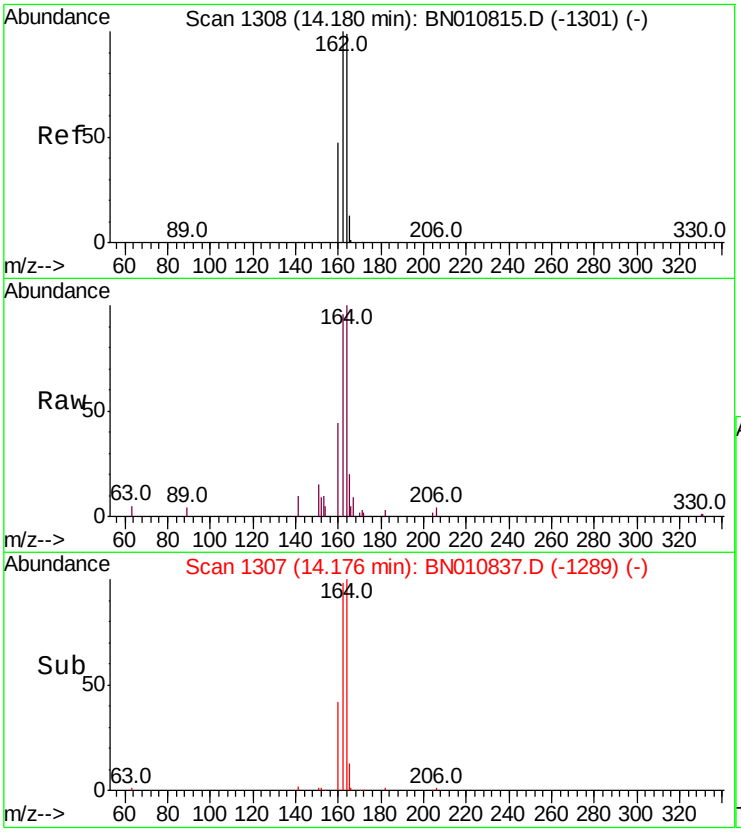


#12
2-Methylnaphthalene
Concen: 0.496 ng
RT: 11.97 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:142 Resp: 14072

Ion	Ratio	Lower	Upper
142	100		
141	94.9	70.8	106.2
115	38.3	31.5	47.3



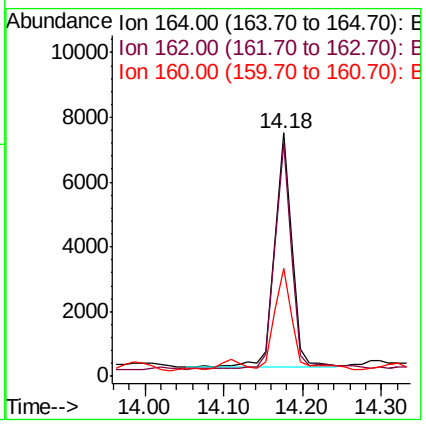


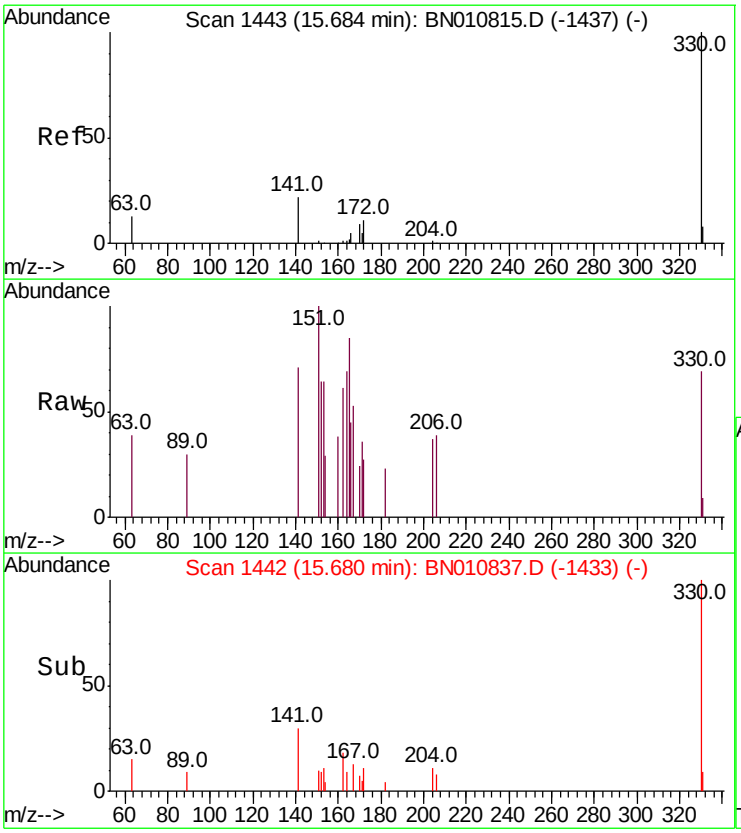
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.18 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:164 Resp: 11073

Ion	Ratio	Lower	Upper
164	100		
162	96.0	81.0	121.6
160	44.3	38.9	58.3

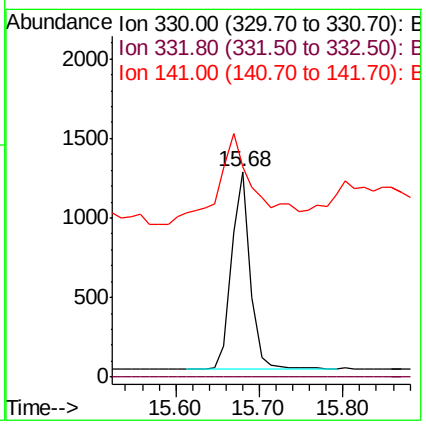


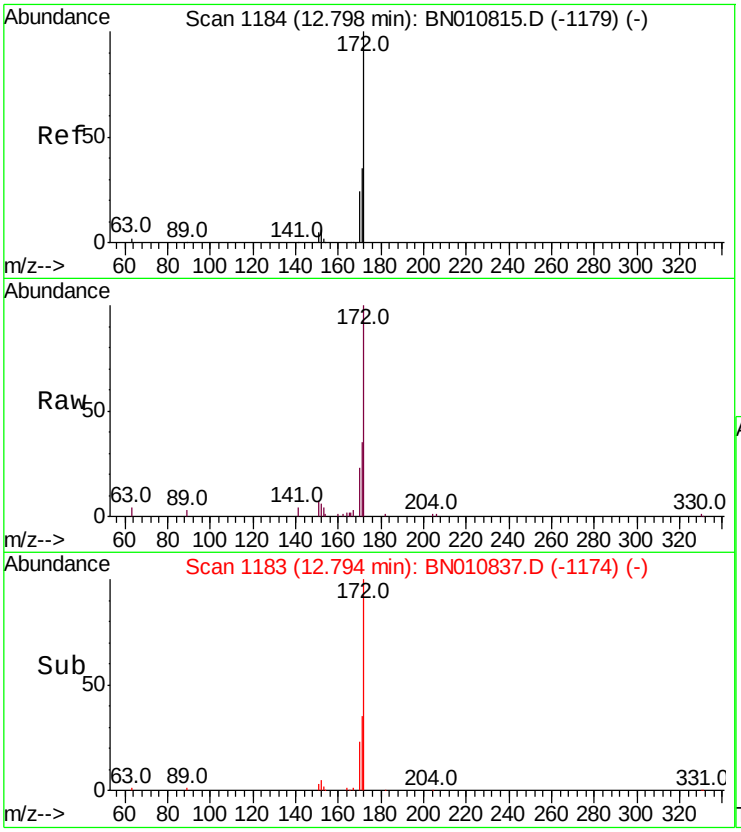


#14
2,4,6-Tribromophenol
Concen: 0.488 ng
RT: 15.68 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:330 Resp: 1931

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	65.3	33.2	49.8#



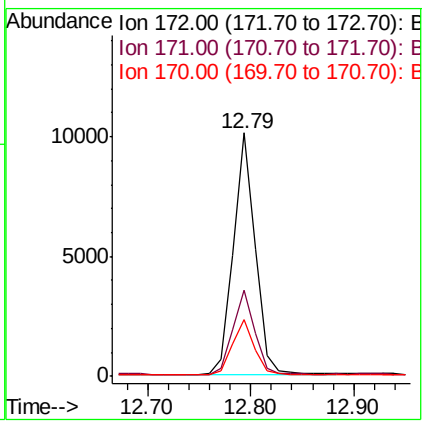


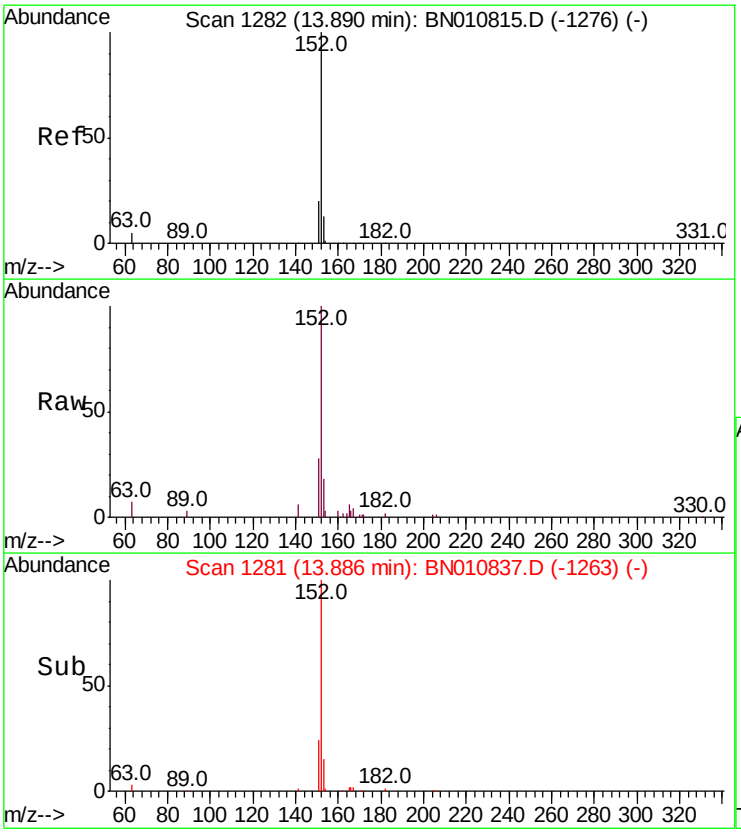
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:172 Resp: 14896

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.3	19.7	29.5

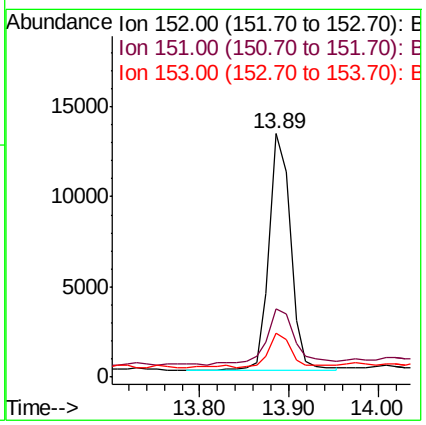


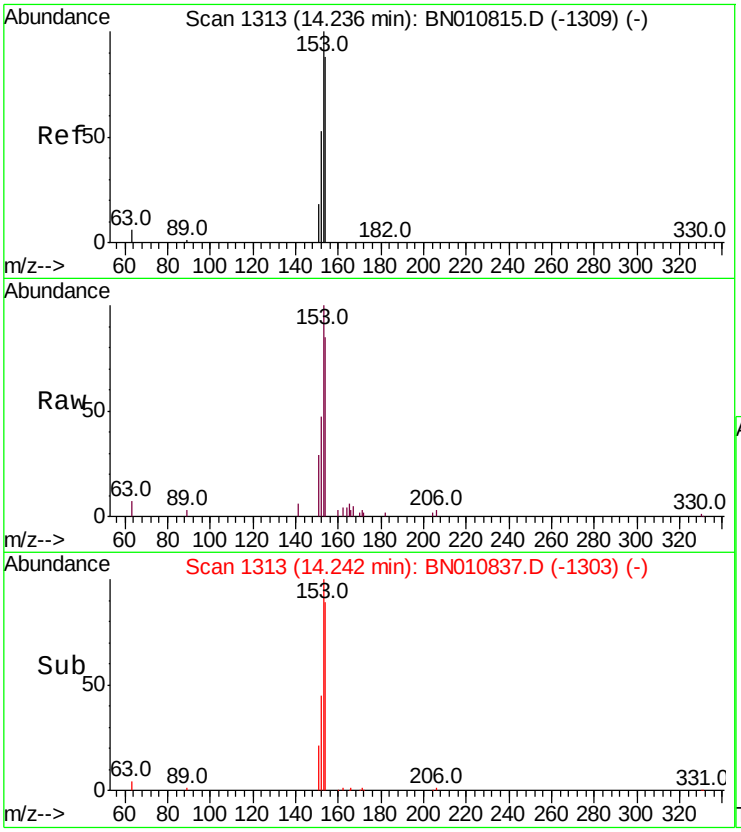


#16
Acenaphthylene
Concen: 0.491 ng
RT: 13.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:152 Resp: 22284

Ion	Ratio	Lower	Upper
152	100		
151	32.4	15.6	23.4#
153	14.3	10.6	16.0



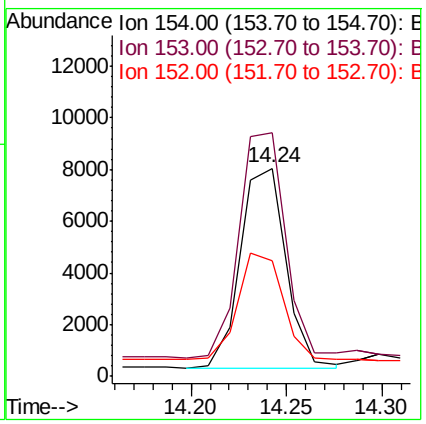


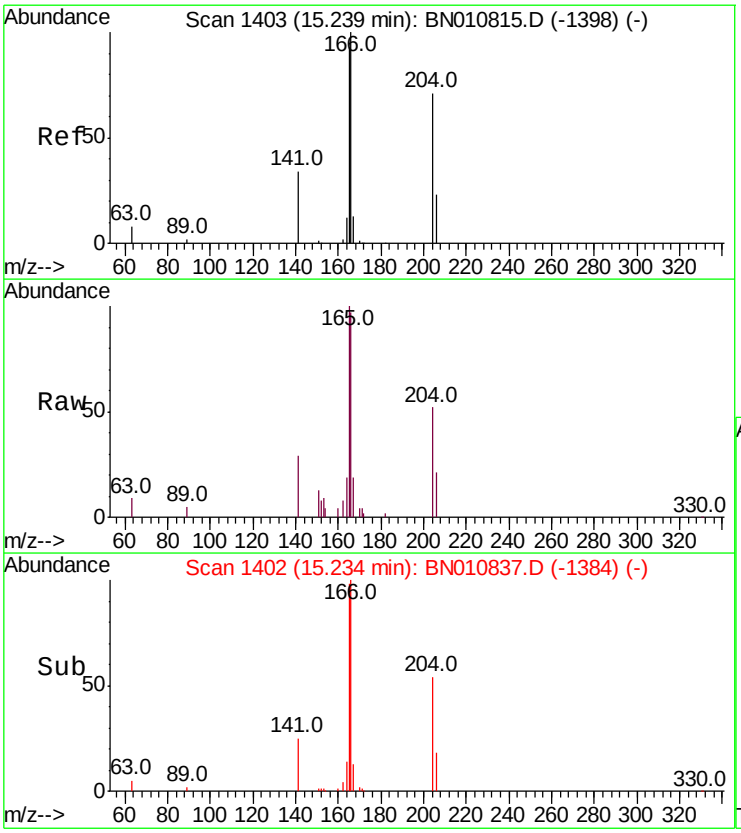
#17
Acenaphthene
Concen: 0.412 ng
RT: 14.24 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:154 Resp: 12758

Ion	Ratio	Lower	Upper
154	100		
153	118.9	91.8	137.6
152	55.9	47.6	71.4

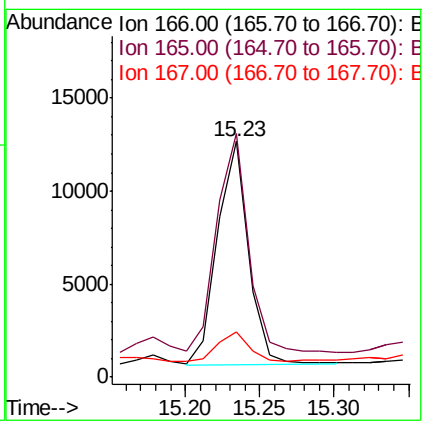


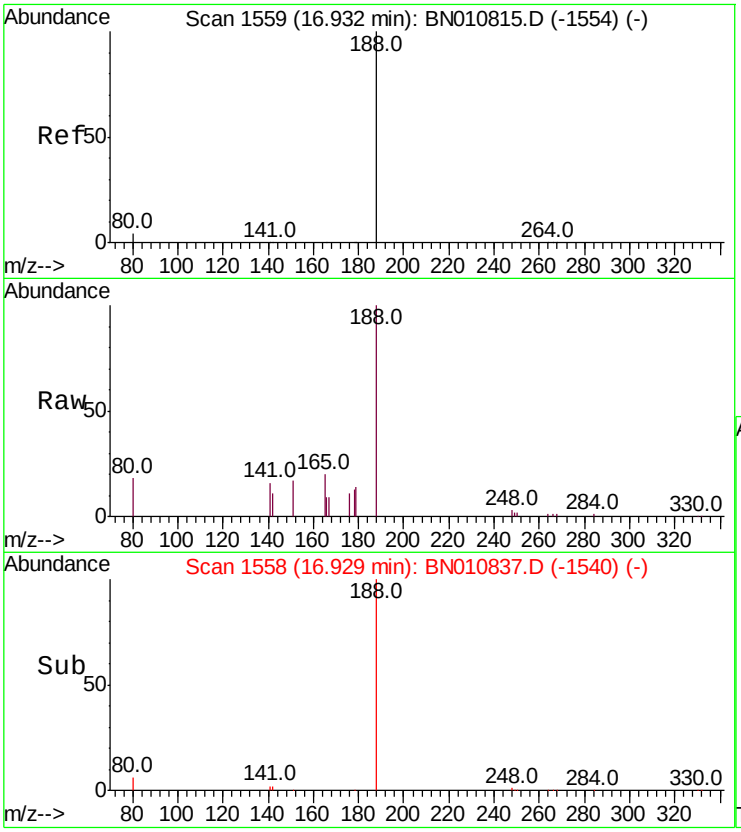


#18
Fluorene
Concen: 0.437 ng
RT: 15.23 min Scan# 1402
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:166 Resp: 17415

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.2	115.8
167	13.6	10.7	16.1



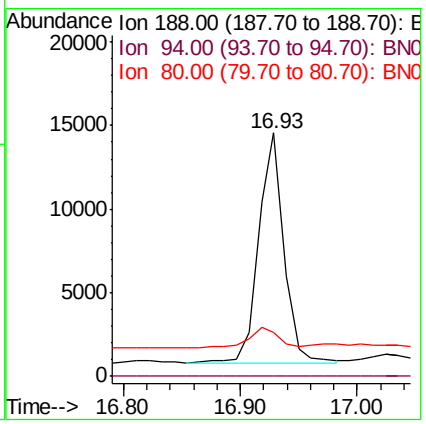


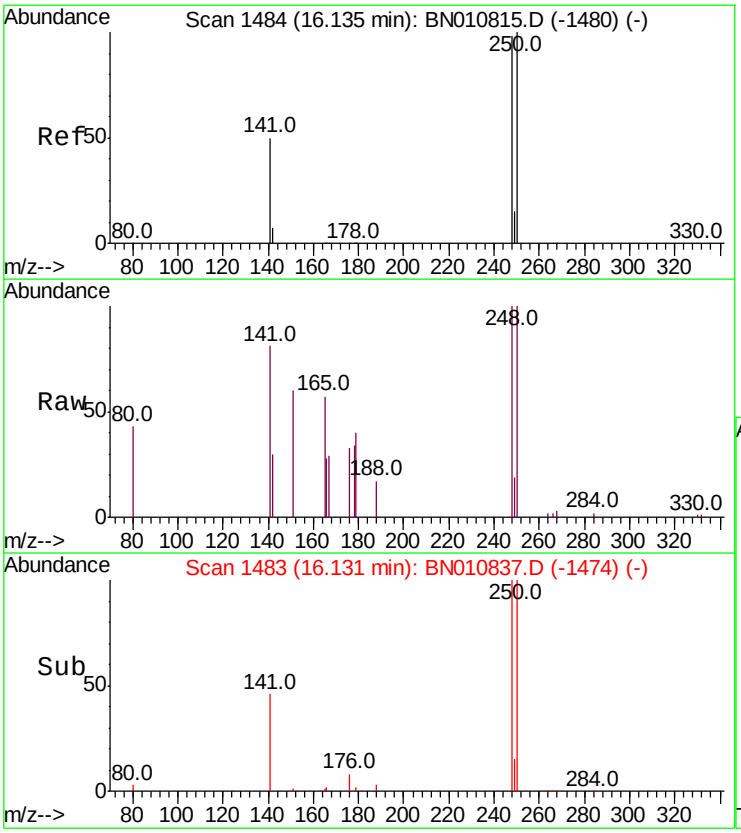
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.93 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:188 Resp: 20553

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	17.8	4.5	6.7#

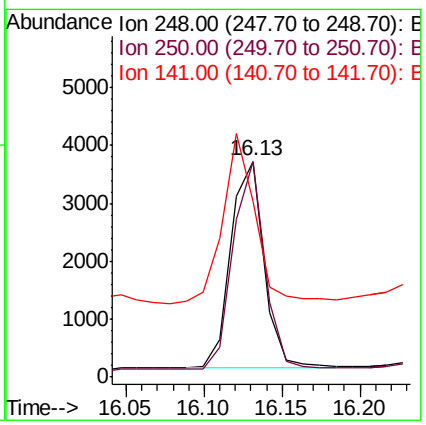


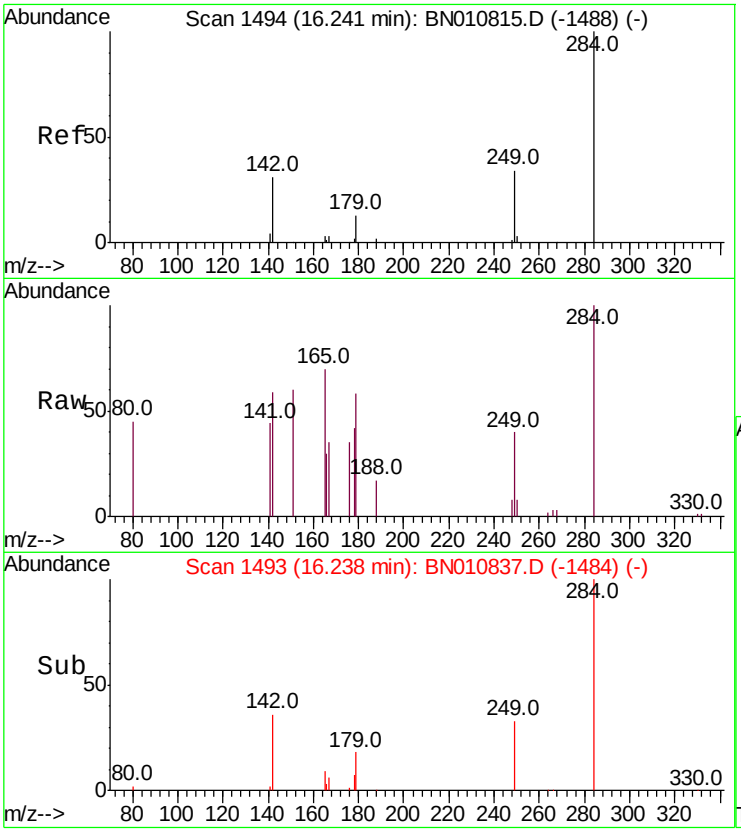


#20
4-Bromophenyl-phenylether
Concen: 0.428 ng
RT: 16.13 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:248 Resp: 5292

Ion	Ratio	Lower	Upper
248	100		
250	99.7	81.8	122.8
141	81.4	42.6	64.0#



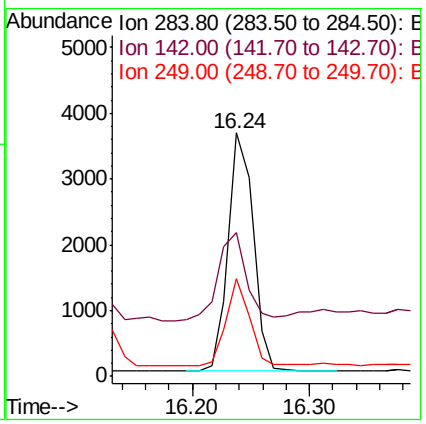


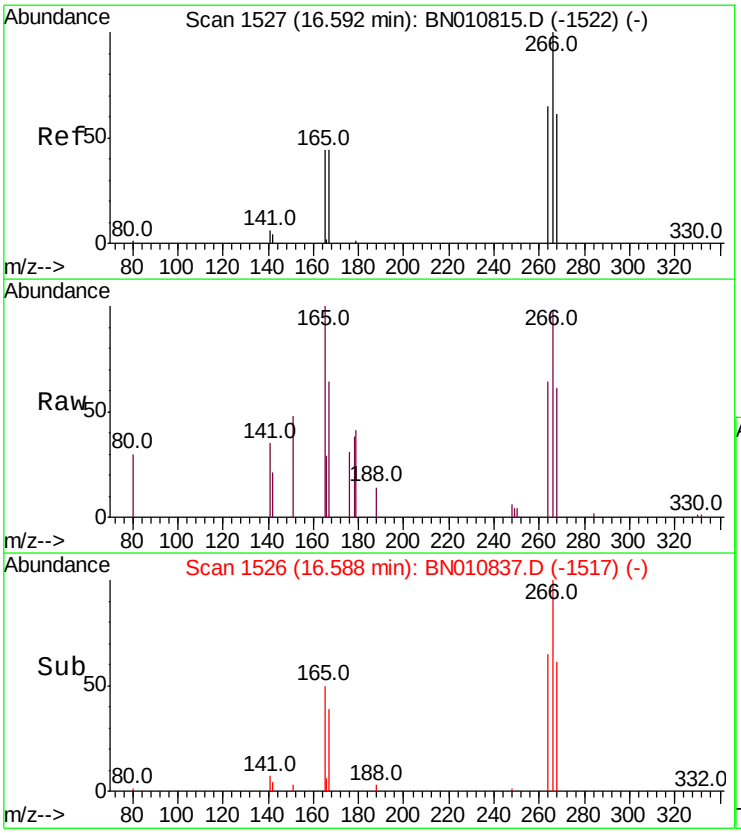
#21
Hexachlorobenzene
Concen: 0.416 ng
RT: 16.24 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:284 Resp: 5355

Ion	Ratio	Lower	Upper
284	100		
142	42.6	31.0	46.4
249	34.4	27.1	40.7

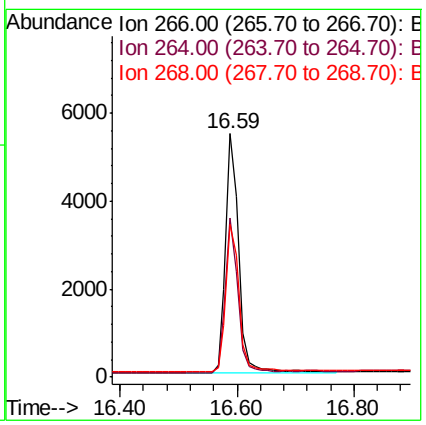


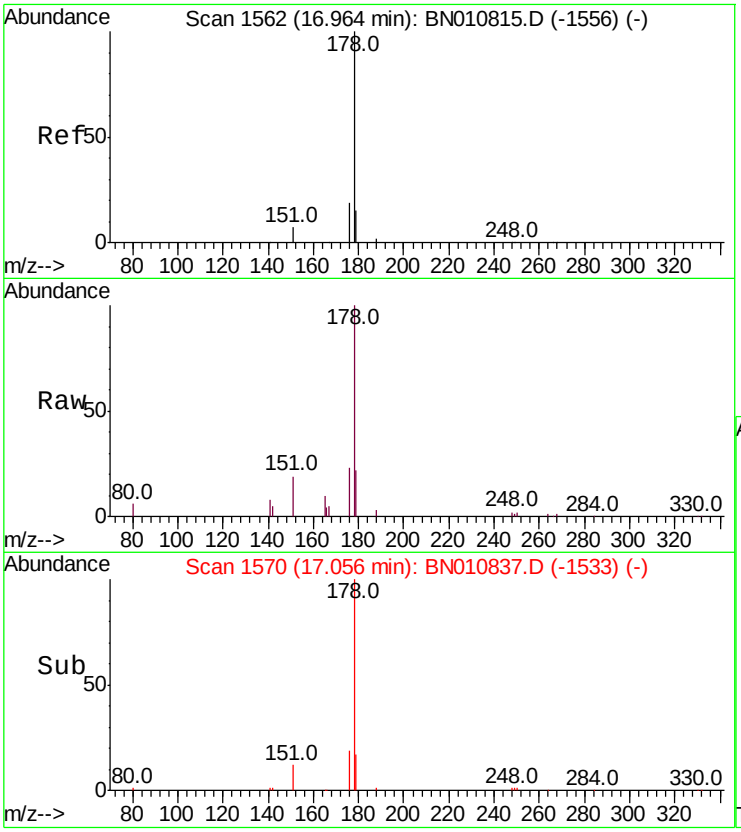


#22
Pentachlorophenol
Concen: 1.974 ng
RT: 16.59 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:266 Resp: 8539

Ion	Ratio	Lower	Upper
266	100		
264	65.2	54.8	82.2
268	62.6	55.9	83.9



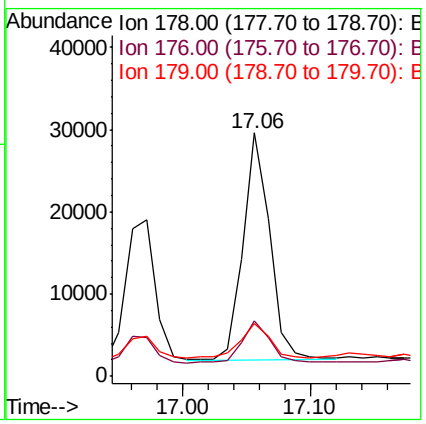


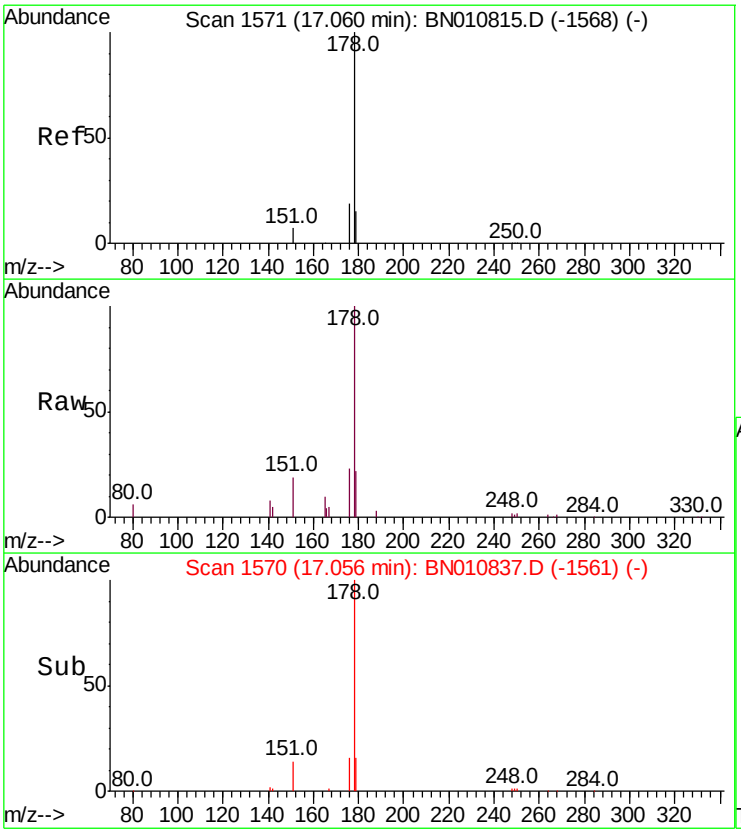
#23
Phenanthrene
Concen: 0.717 ng
RT: 17.06 min Scan# 1570
Delta R.T. 0.09 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:178 Resp: 40270

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.3	22.9
179	18.1	12.6	19.0

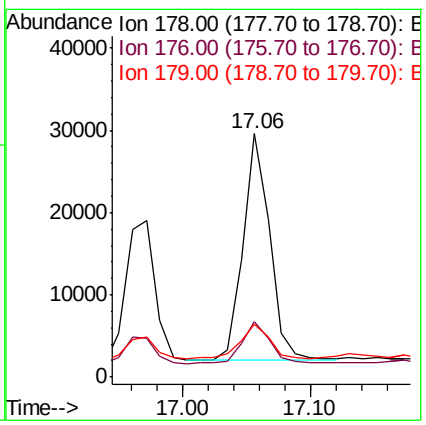


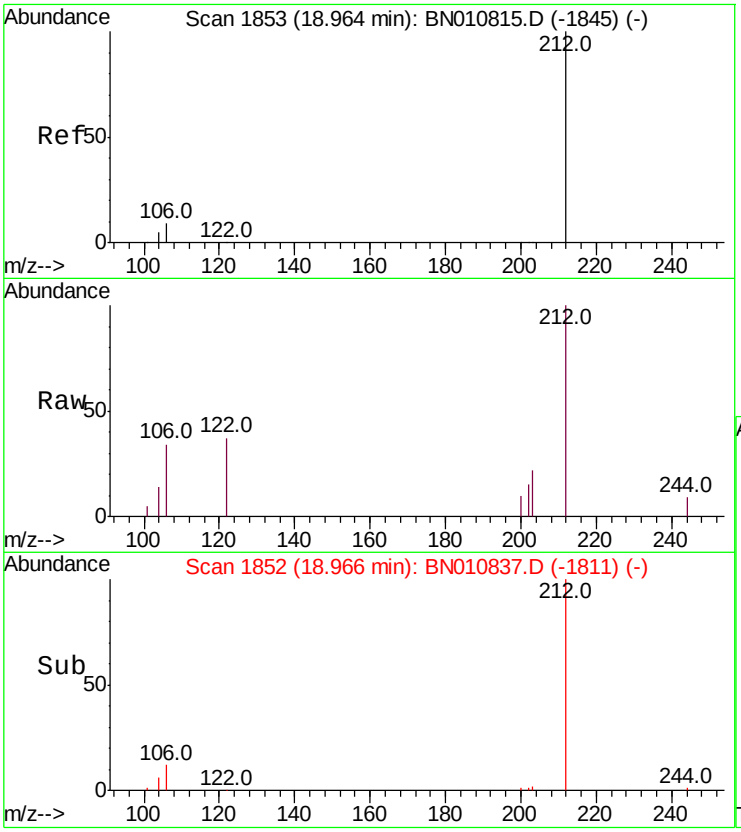


#24
Anthracene
Concen: 0.851 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:178 Resp: 39884

Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.6	22.0
179	17.6	12.3	18.5



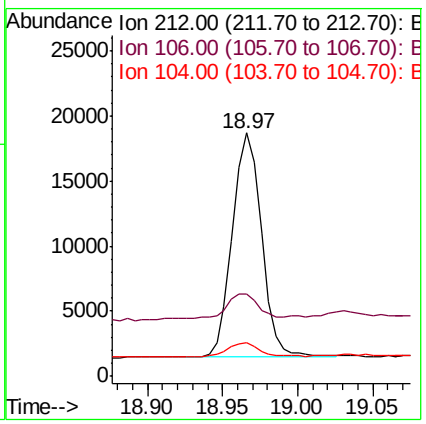


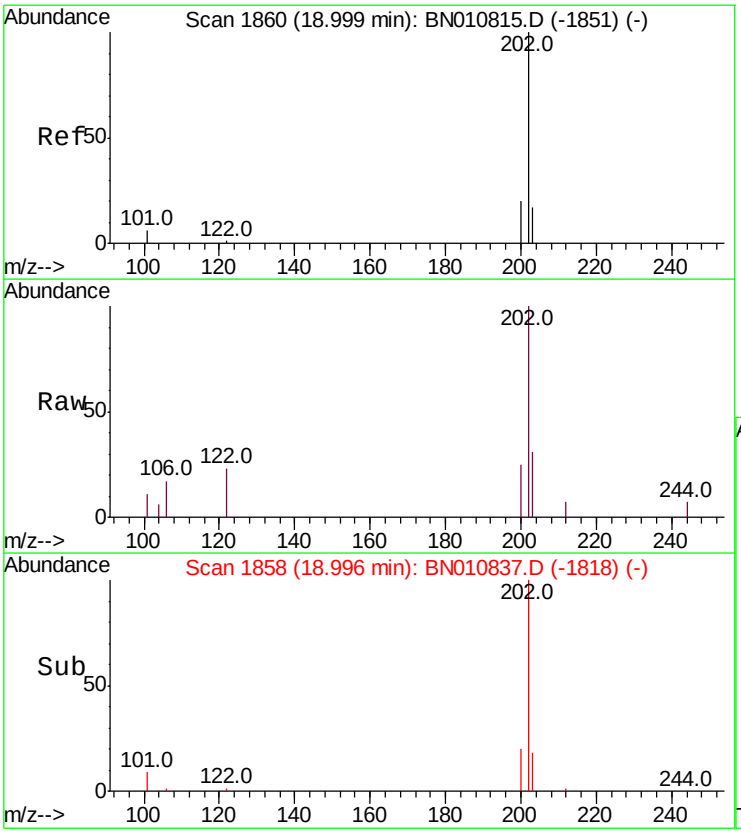
#25
Fluoranthene-d10
Concen: 0.410 ng
RT: 18.97 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:212 Resp: 23261

Ion	Ratio	Lower	Upper
212	100		
106	11.7	6.6	10.0#
104	7.6	4.0	6.0#

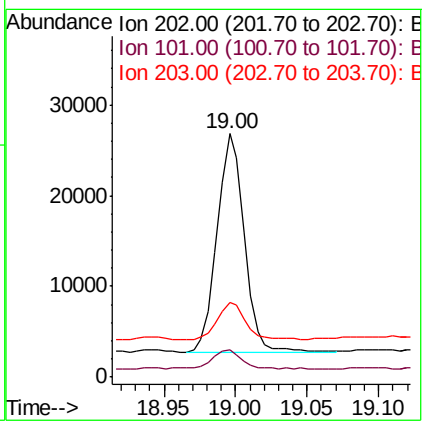


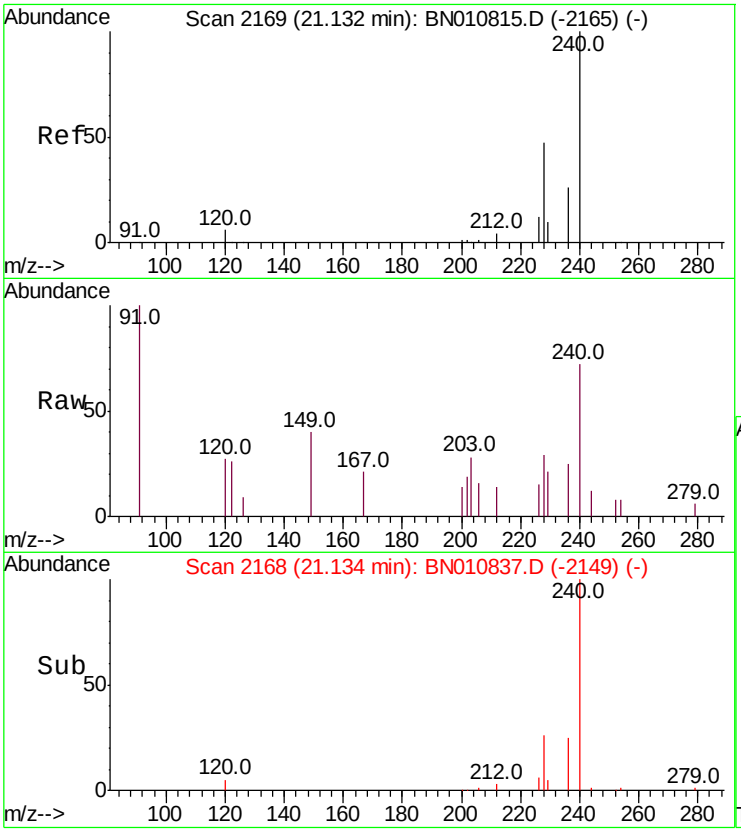


#26
Fluoranthene
Concen: 0.492 ng
RT: 19.00 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:202 Resp: 31335

Ion	Ratio	Lower	Upper
202	100		
101	9.2	5.8	8.6#
203	17.7	13.7	20.5



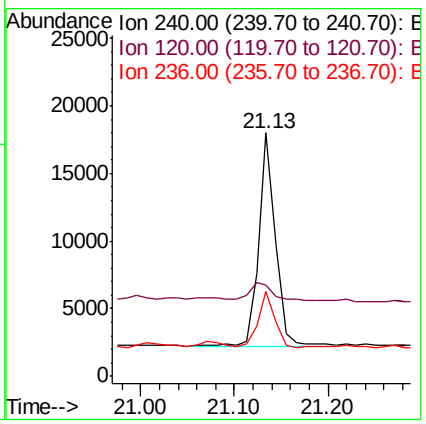


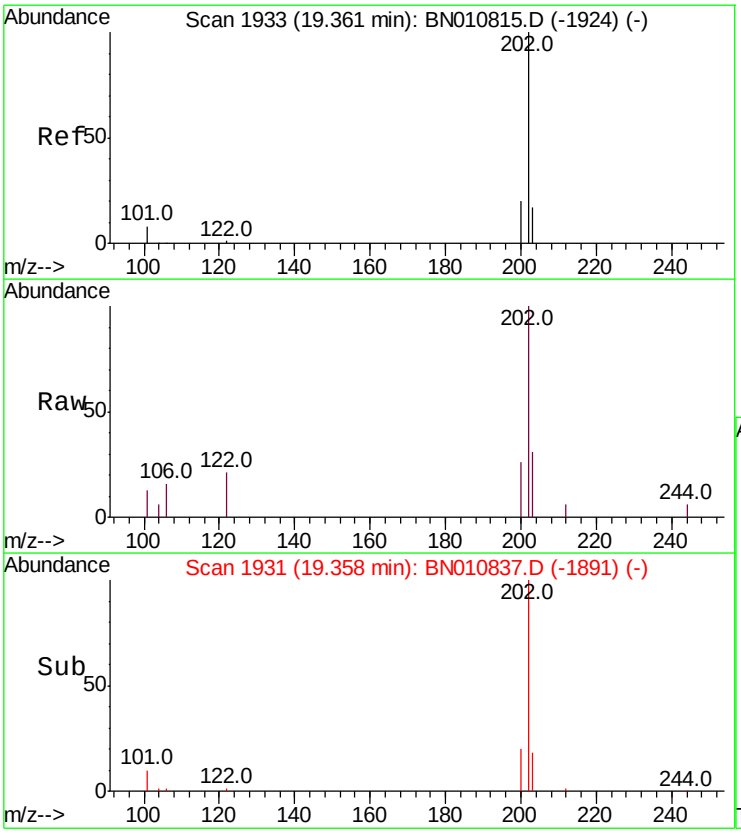
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument : BNA_N
ClientSampleId : VE-4-11MSD

Tgt Ion:240 Resp: 19929

Ion	Ratio	Lower	Upper
240	100		
120	37.6	7.5	11.3#
236	35.0	22.3	33.5#

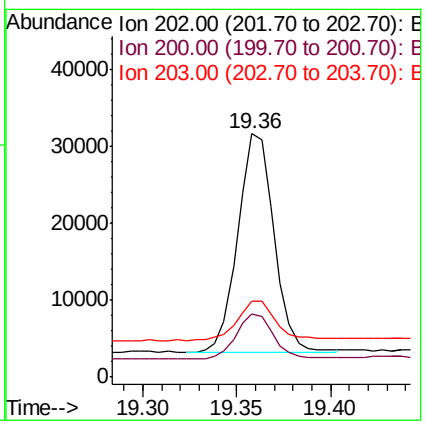


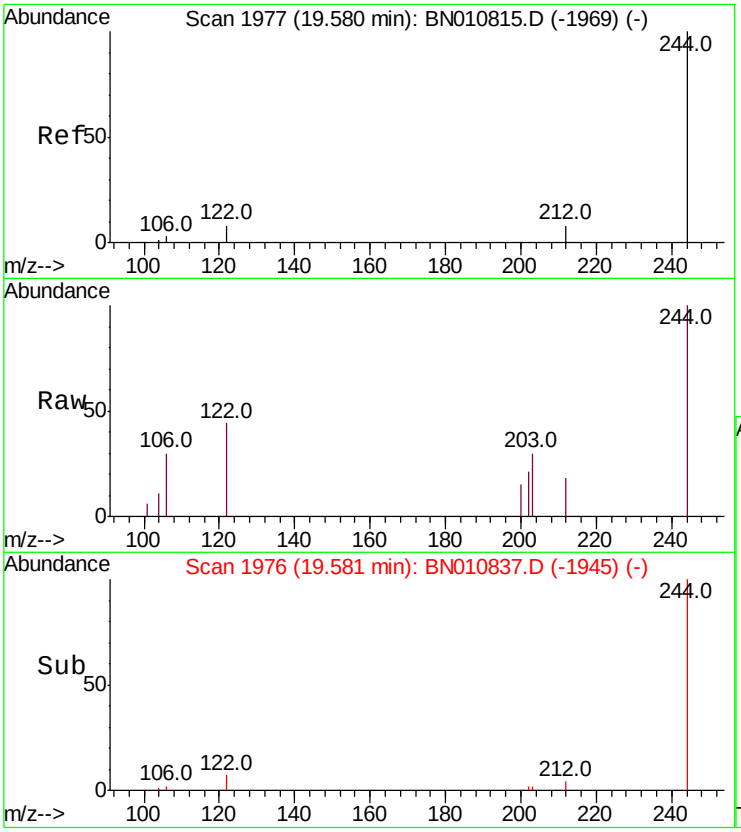


#28
Pyrene
Concen: 0.575 ng
RT: 19.36 min Scan# 1931
Delta R.T. -0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:202 Resp: 37919

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.4	24.6
203	20.1	14.2	21.4



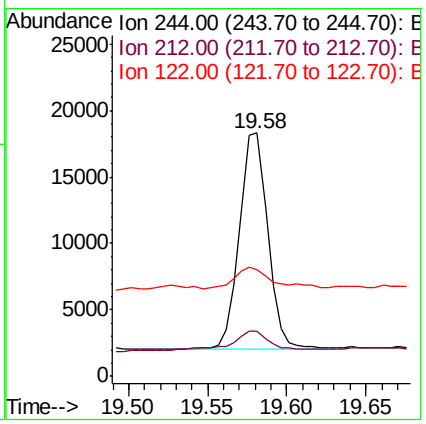


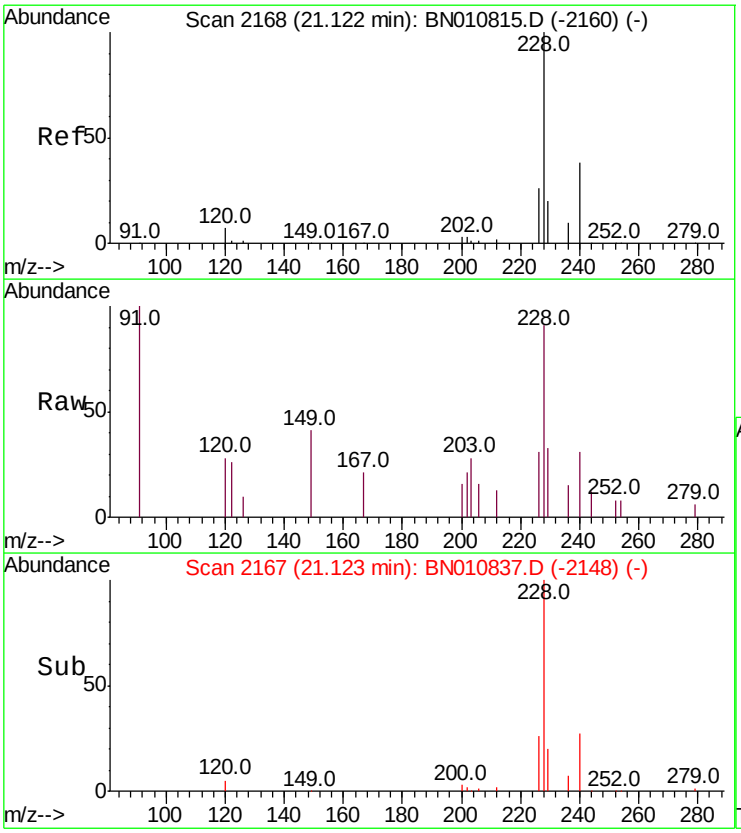
#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.58 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:244 Resp: 20225

Ion	Ratio	Lower	Upper
244	100		
212	18.4	7.4	11.2#
122	44.0	7.5	11.3#

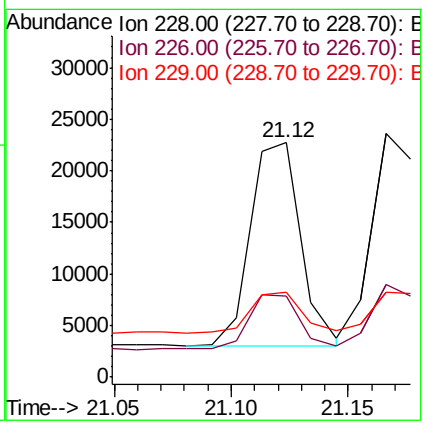


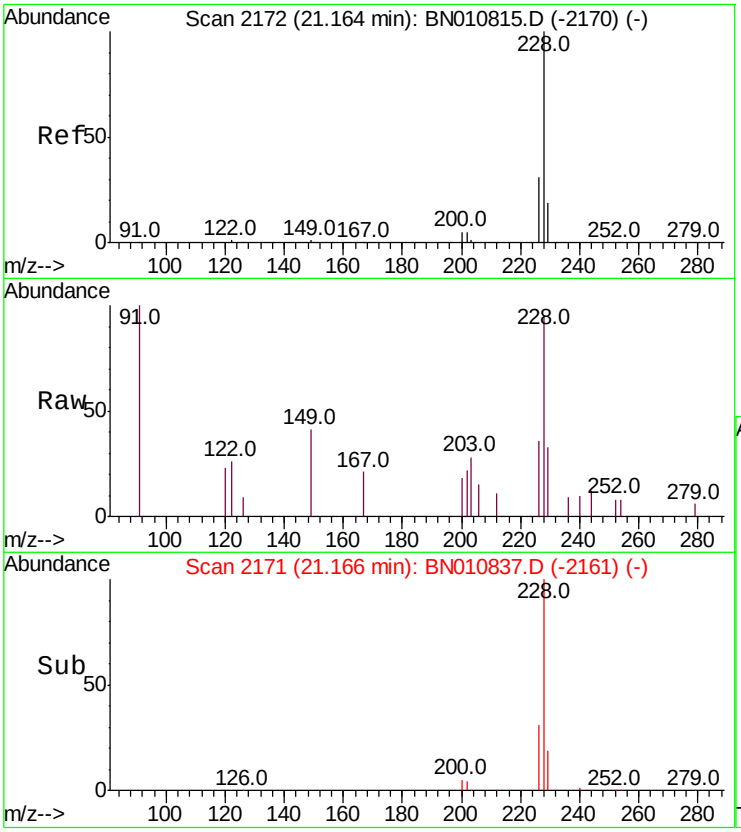


#30
Benzo(a)anthracene
Concen: 0.502 ng
RT: 21.12 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:228 Resp: 29419

Ion	Ratio	Lower	Upper
228	100		
226	34.4	21.3	31.9#
229	36.1	16.6	24.8#



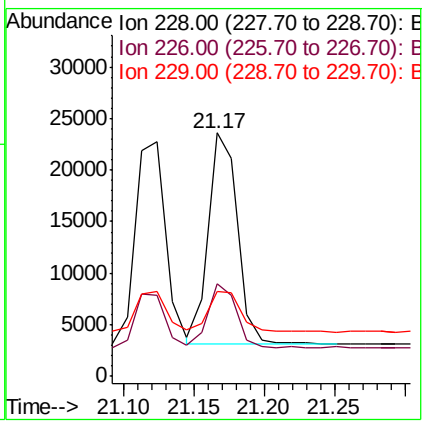


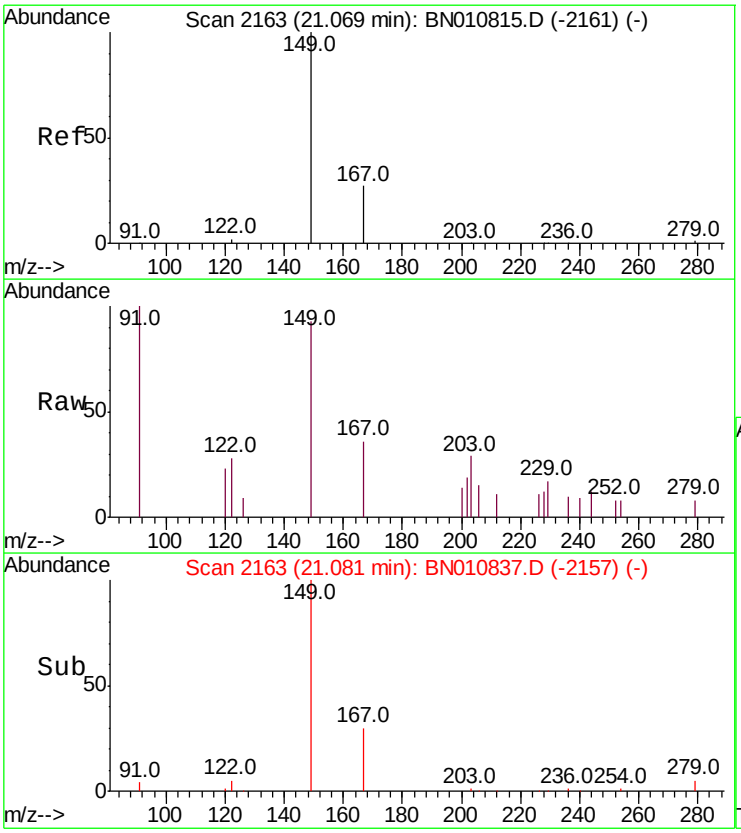
#31
Chrysene
Concen: 0.431 ng
RT: 21.17 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:228 Resp: 29411

Ion	Ratio	Lower	Upper
228	100		
226	38.0	25.0	37.6#
229	34.9	16.1	24.1#

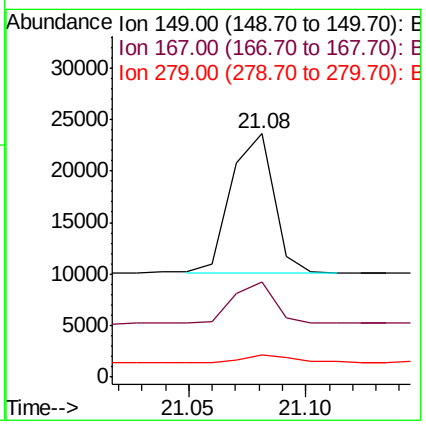


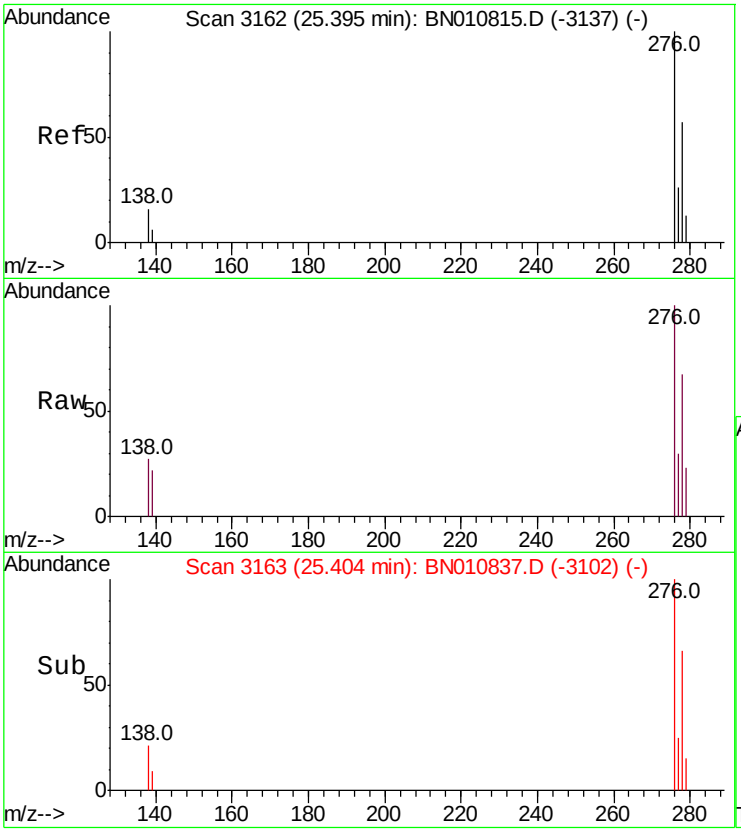


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.875 ng
RT: 21.08 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:149 Resp: 17095

Ion	Ratio	Lower	Upper
149	100		
167	28.9	24.1	36.1
279	5.0	4.6	7.0



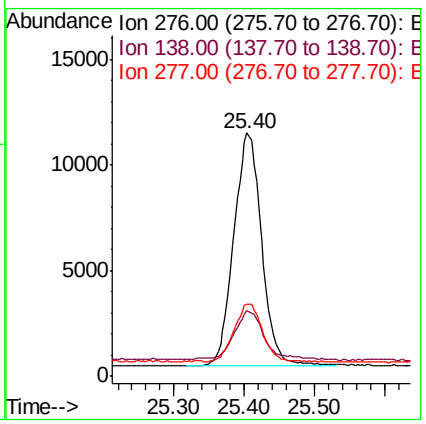


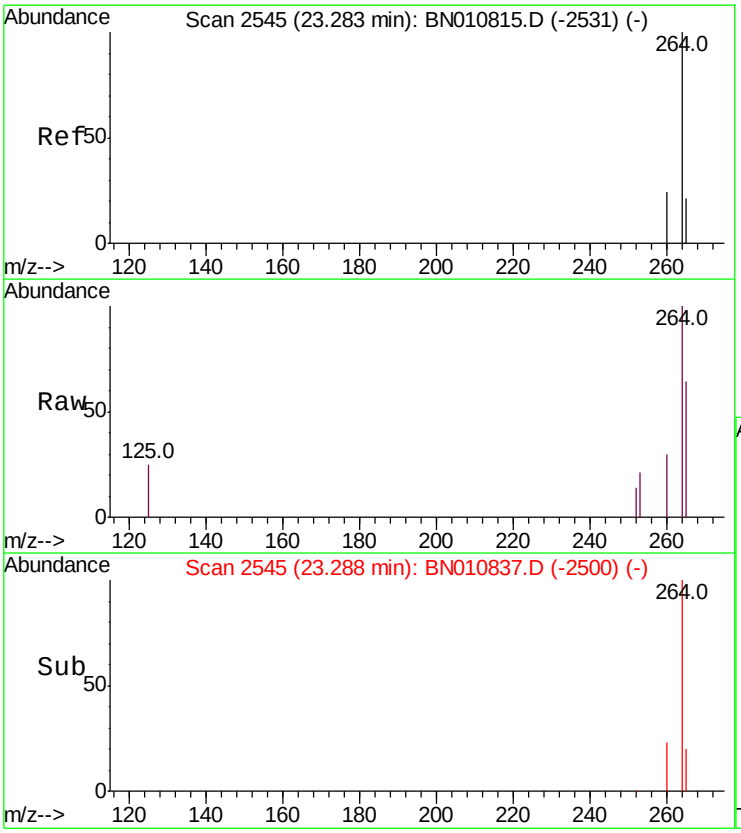
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.399 ng
RT: 25.40 min Scan# 3163
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:276 Resp: 30473

Ion	Ratio	Lower	Upper
276	100		
138	19.7	13.0	19.6#
277	24.7	19.7	29.5

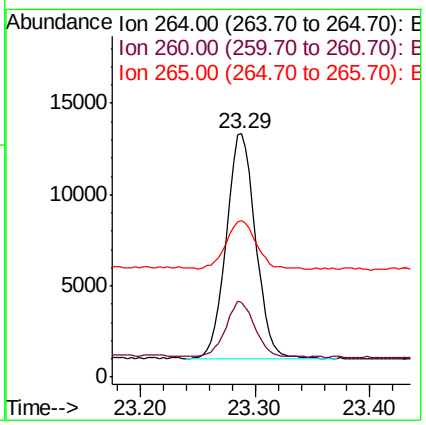


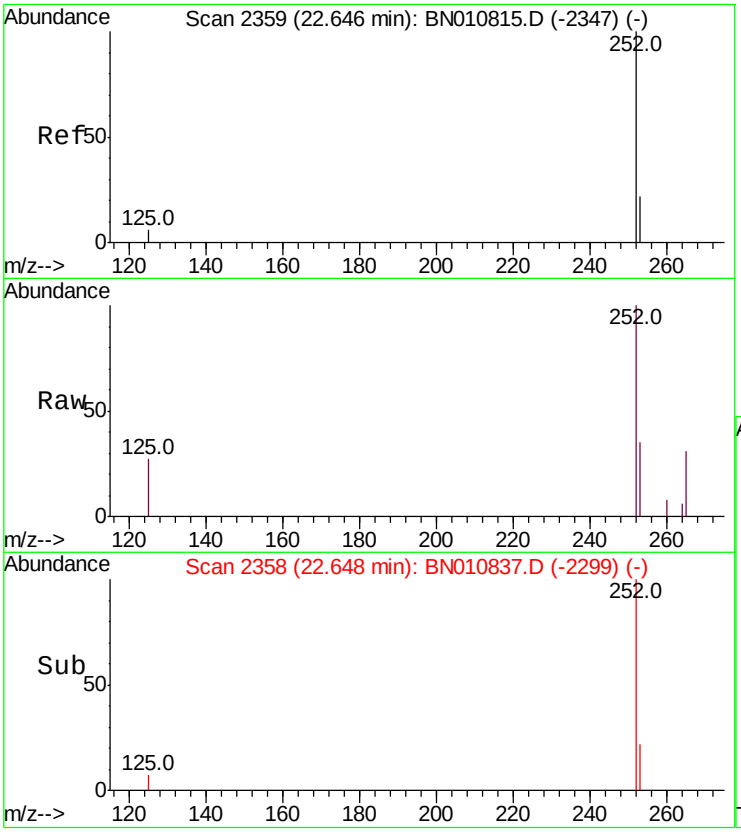


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.29 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:264 Resp: 21935

Ion	Ratio	Lower	Upper
264	100		
260	30.5	20.4	30.6
265	64.3	75.0	112.4#



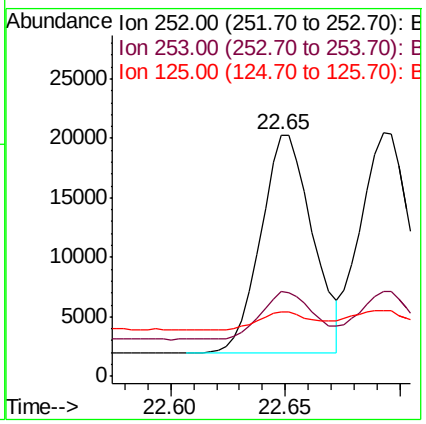


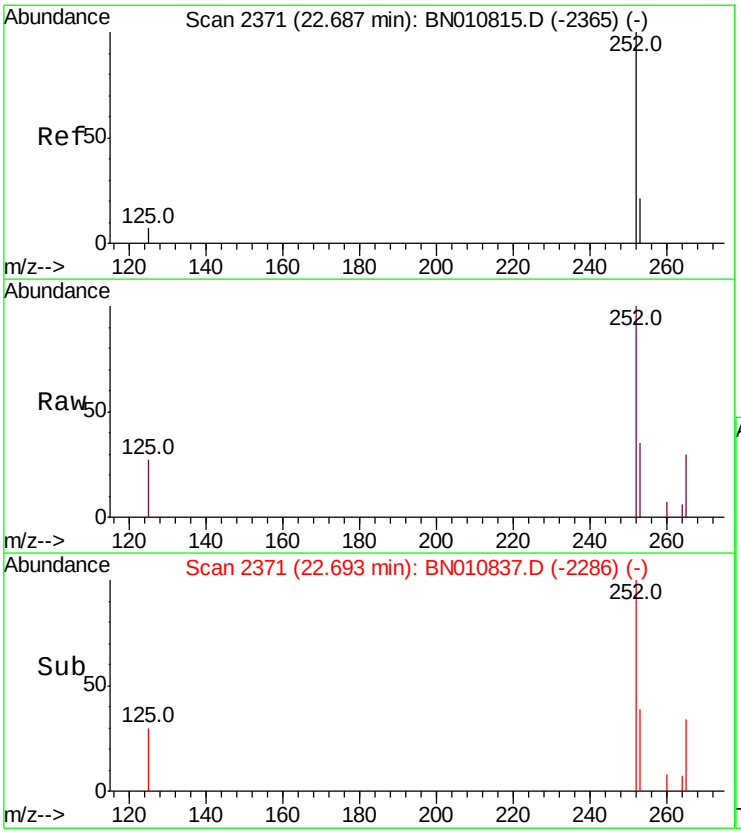
#35
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 22.65 min Scan# 2358
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:252 Resp: 28767

Ion	Ratio	Lower	Upper
252	100		
253	35.1	22.4	33.6#
125	26.8	9.4	14.0#

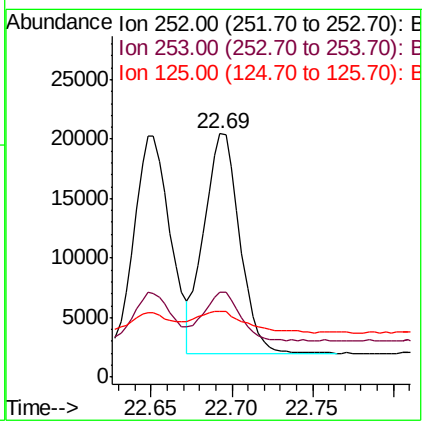


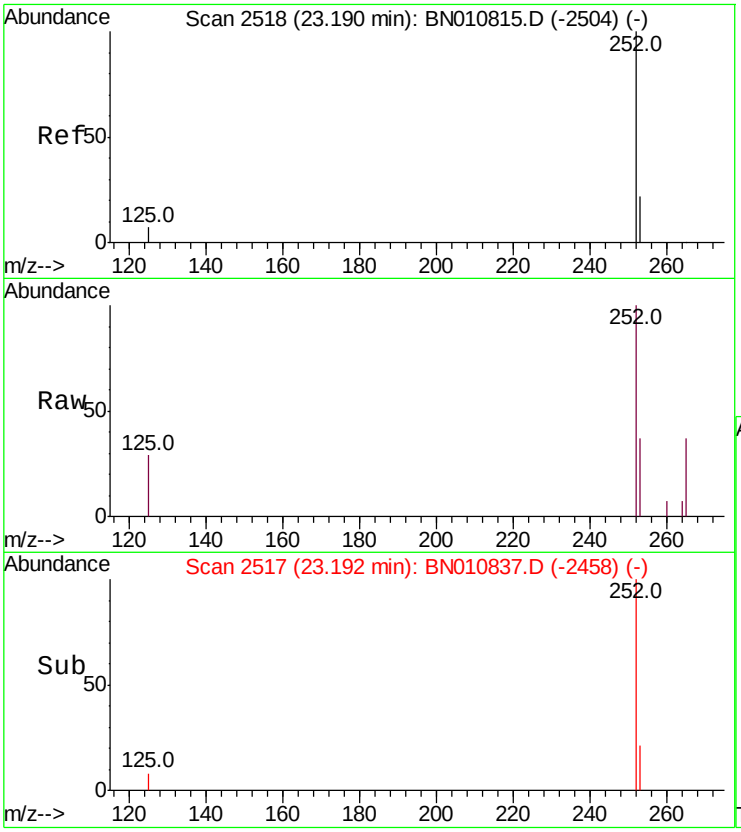


#36
Benzo(k)fluoranthene
Concen: 0.359 ng
RT: 22.69 min Scan# 2371
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:252 Resp: 28559

Ion	Ratio	Lower	Upper
252	100		
253	35.1	22.2	33.4#
125	26.8	9.8	14.8#



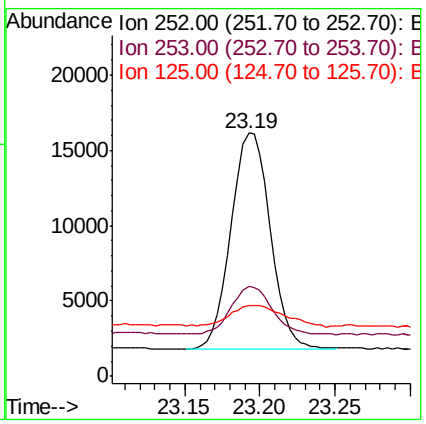


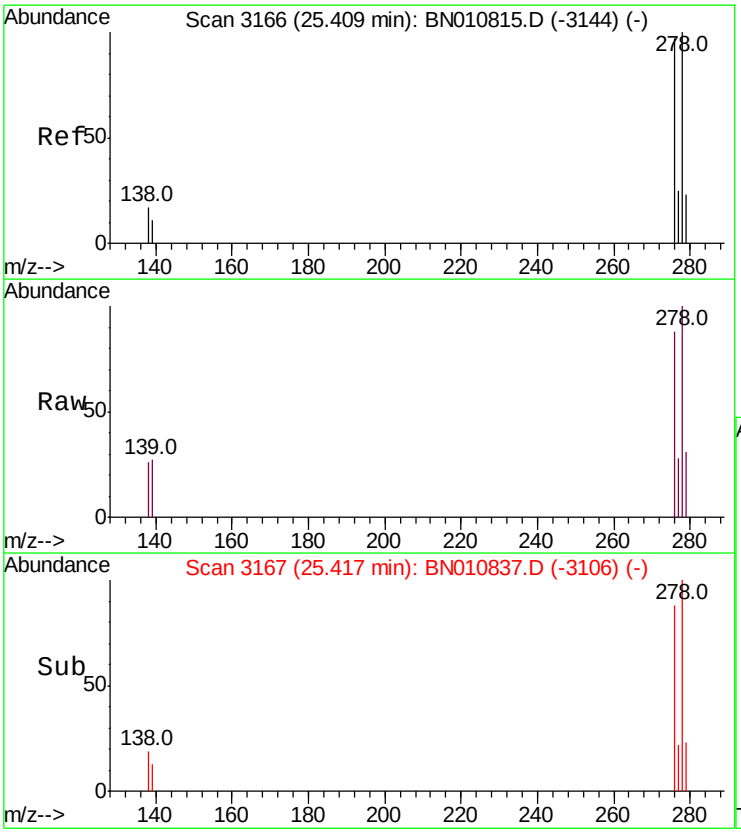
#37
Benzo(a)pyrene
Concen: 0.400 ng
RT: 23.19 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:252 Resp: 25559

Ion	Ratio	Lower	Upper
252	100		
253	37.0	25.8	38.8
125	29.2	12.4	18.6#

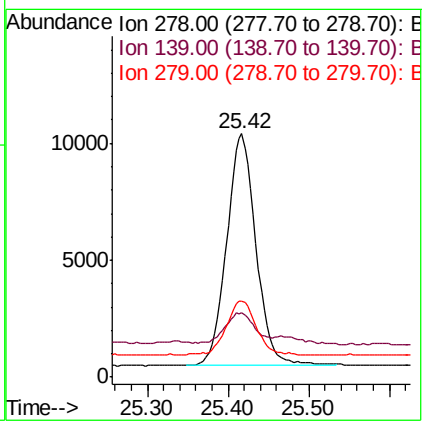


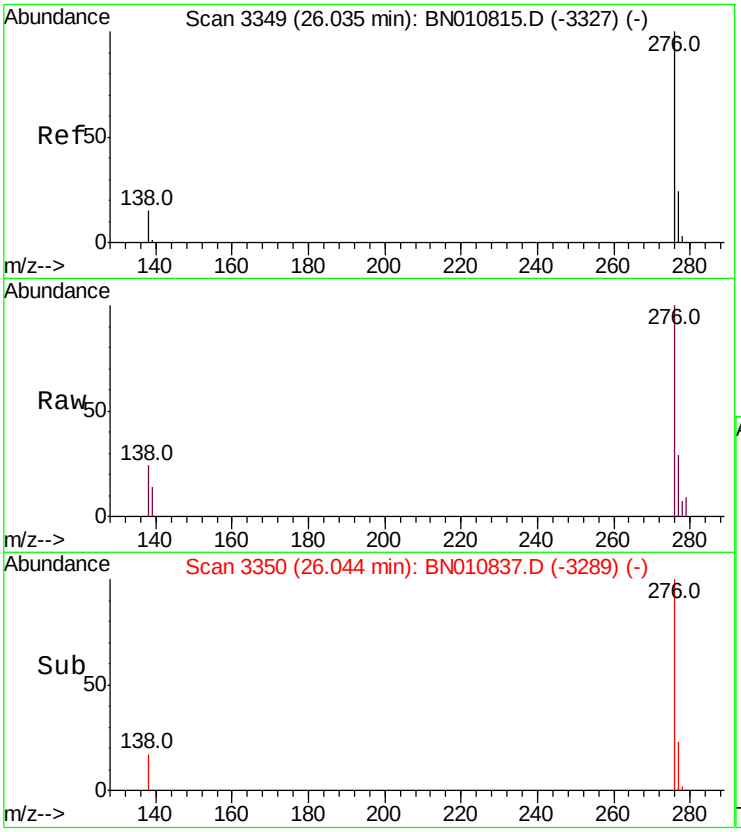


#38
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 25.42 min Scan# 3167
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Tgt Ion:278 Resp: 25013

Ion	Ratio	Lower	Upper
278	100		
139	26.6	10.6	15.8#
279	31.3	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.341 ng
RT: 26.04 min Scan# 3350
Delta R.T. 0.01 min
Lab File: BN010837.D
Acq: 11 Jun 2020 13:20

Instrument :
BNA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion:276 Resp: 25998

Ion	Ratio	Lower	Upper
276	100		
277	28.8	20.5	30.7
138	24.3	13.7	20.5#