Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN073120\
Data File : BN011322.D
Acq On : 31 Jul 2020 11:41
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jul 31 12:20:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 12:17:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	1619	0.40	ng		0.00
7) Naphthalene-d8	10.21	136	5797	0.40	ng		0.00
13) Acenaphthene-d10	14.09	164	3365	0.40	ng		0.00
19) Phenanthrene-d10	16.85	188	7646	0.40	ng		0.00
29) Chrysene-d12	21.07	240	7904	0.40	ng		0.00
36) Perylene-d12	23.20	264	8190	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.13	112	1589	0.37	ng		0.00
5) Phenol-d6	6.67	99	1874	0.36	ng		0.00
8) Nitrobenzene-d5	8.60	82	1844	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	11.81	152	3729	0.35	ng		0.00
14) 2,4,6-Tribromophenol	15.60	330	566	0.36	ng		0.00
15) 2-Fluorobiphenyl	12.71	172	5653	0.39	ng		0.00
27) Fluoranthene-d10	18.89	212	8750	0.37	ng		0.00
31) Terphenyl-d14	19.51	244	7583	0.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	800	0.351	ng		95
3) n-Nitrosodimethylamine	3.51	42	385	0.330	ng		98
6) bis(2-Chloroethyl)ether	6.92	93	1722	0.400	ng		93
9) Naphthalene	10.26	128	6220	0.362	ng		99
10) Hexachlorobutadiene	10.55	225	1452	0.349	ng	#	97
12) 2-Methylnaphthalene	11.89	142	4289	0.352	ng		98
16) Acenaphthylene	13.81	152	6096	0.352	ng		100
17) Acenaphthene	14.15	154	4078	0.361	ng		99
18) Fluorene	15.16	166	5463	0.377	ng		99
20) 4,6-Dinitro-2-methylphenol	15.27	198	407	0.448	ng		91
21) 4-Bromophenyl-phenylether	16.06	248	1704	0.336	ng		94
22) Hexachlorobenzene	16.16	284	2017	0.351	ng		98
23) Atrazine	16.35	200	1390	0.352	ng		98
24) Pentachlorophenol	16.52	266	615	0.345	ng		95
25) Phenanthrene	16.90	178	8895	0.357	ng		99
26) Anthracene	16.98	178	7407	0.358	ng		99
28) Fluoranthene	18.92	202	10616	0.375	ng		99
30) Pyrene	19.29	202	10664	0.299	ng		100
32) Benzo(a)anthracene	21.06	228	9889	0.373	ng		99
33) Chrysene	21.11	228	11109	0.374	ng		98
34) Bis(2-ethylhexyl)phthalate	21.01	149	4480	0.315	ng		100
35) Indeno(1,2,3-cd)pyrene	25.27	276	10684	0.368	ng		98
37) Benzo(b)fluoranthene	22.57	252	11260	0.345	ng		97
38) Benzo(k)fluoranthene	22.61	252	12019	0.334	ng		97
39) Benzo(a)pyrene	23.10	252	9490	0.335	ng		94
40) Dibenzo(a,h)anthracene	25.28	278	8378	0.286	ng		97
41) Benzo(g,h,i)perylene	25.89	276	9181	0.282	ng		99

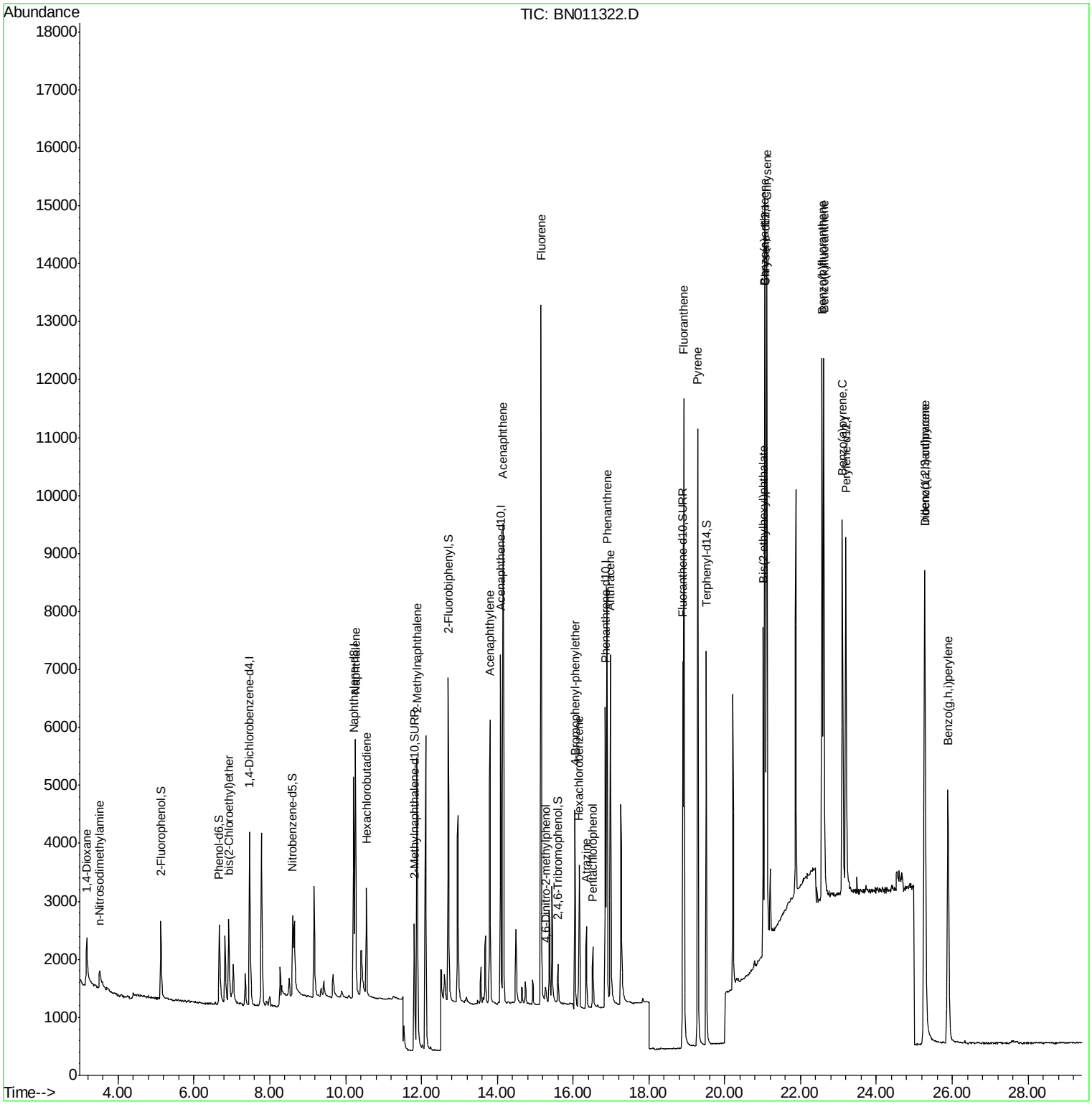
(#) = qualifier out of range (m) = manual integration (+) = signals summed

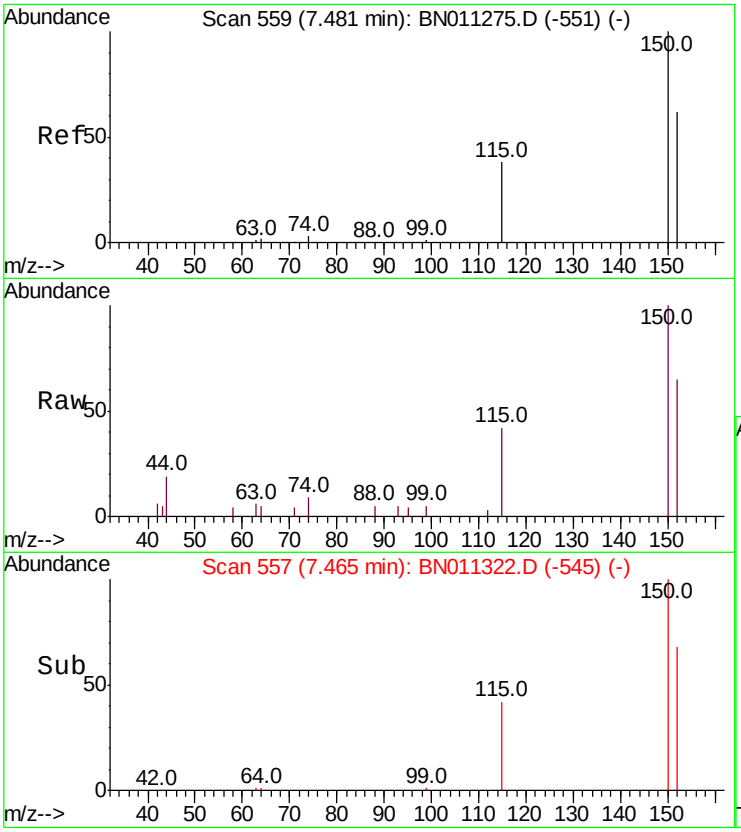
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN073120\
Data File : BN011322.D
Acq On : 31 Jul 2020 11:41
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 31 12:20:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 12:17:46 2020
Response via : Initial Calibration



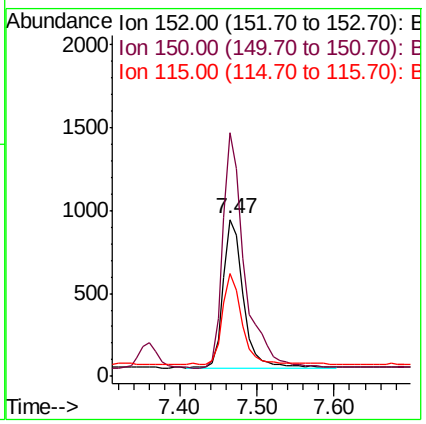


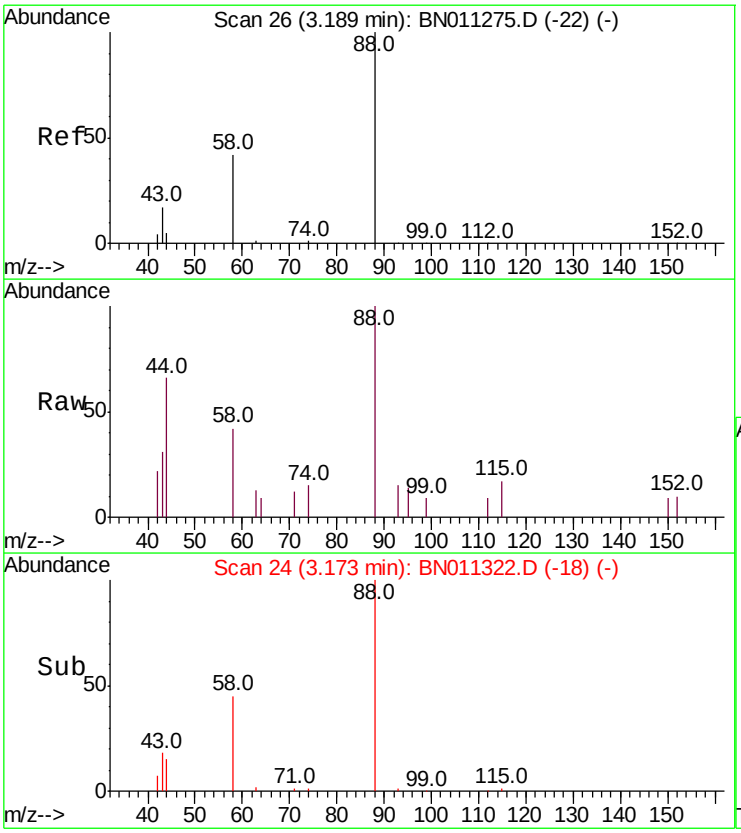
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.47 min Scan# 557
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1619

Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.5	189.7
115	65.4	51.9	77.9

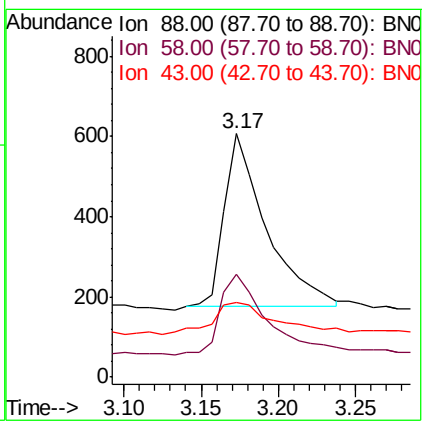


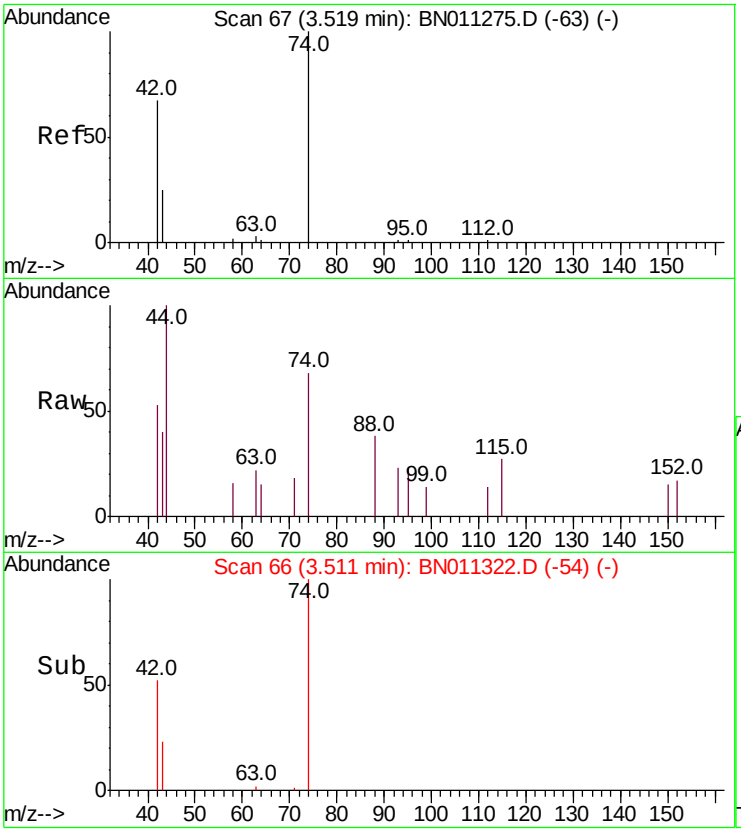


#2
1,4-Dioxane
Concen: 0.351 ng
RT: 3.17 min Scan# 24
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion: 88 Resp: 800

Ion	Ratio	Lower	Upper
88	100		
58	49.0	36.5	54.7
43	17.5	16.1	24.1



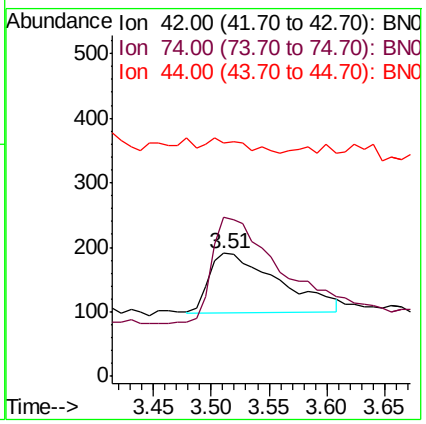


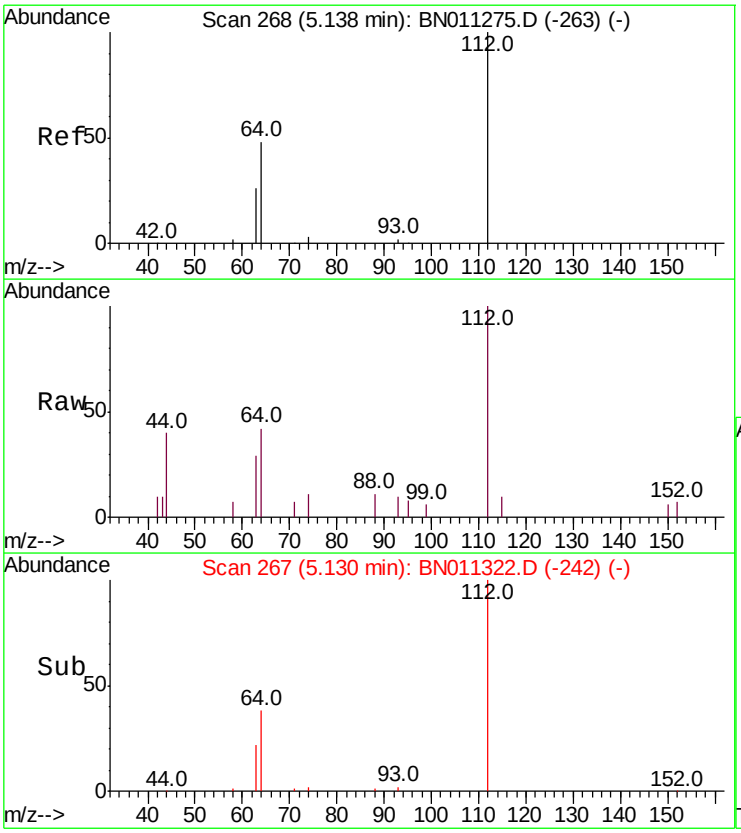
#3
n-Nitrosodimethylamine
Concen: 0.330 ng
RT: 3.51 min Scan# 66
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 385

Ion	Ratio	Lower	Upper
42	100		
74	177.4	144.2	216.2
44	12.7	11.1	16.7

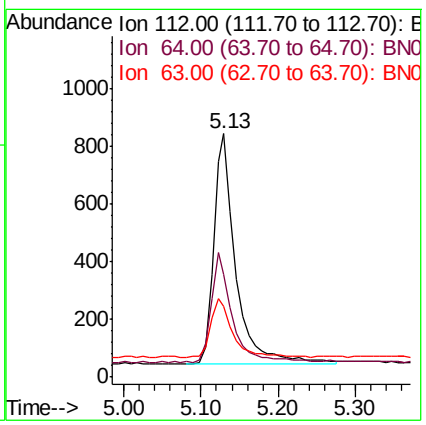


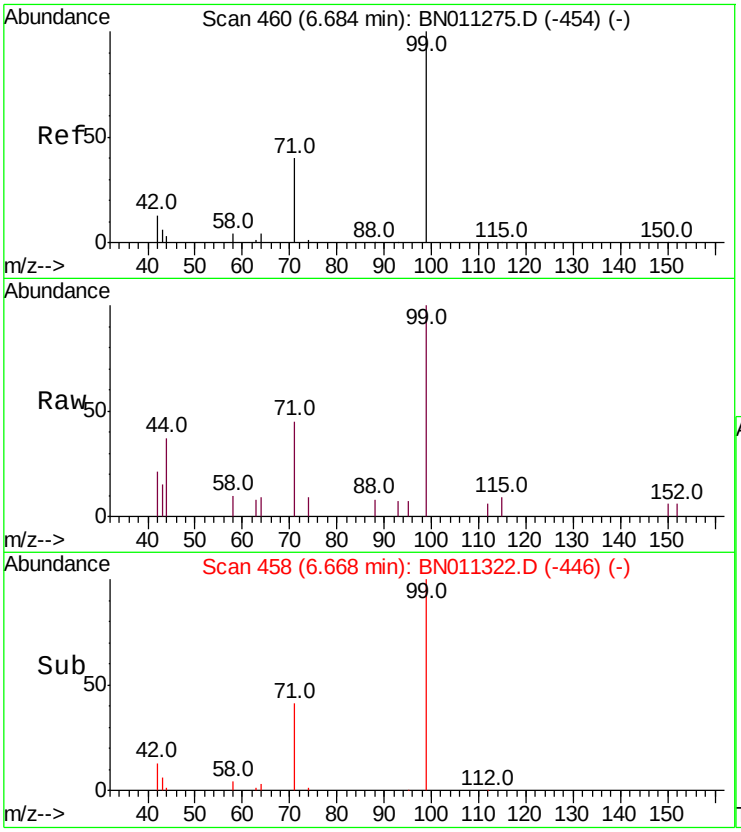


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.13 min Scan# 267
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:112 Resp: 1589

Ion	Ratio	Lower	Upper
112	100		
64	45.9	35.8	53.6
63	26.5	19.3	28.9



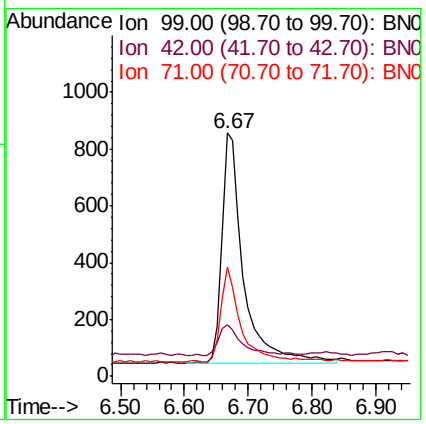


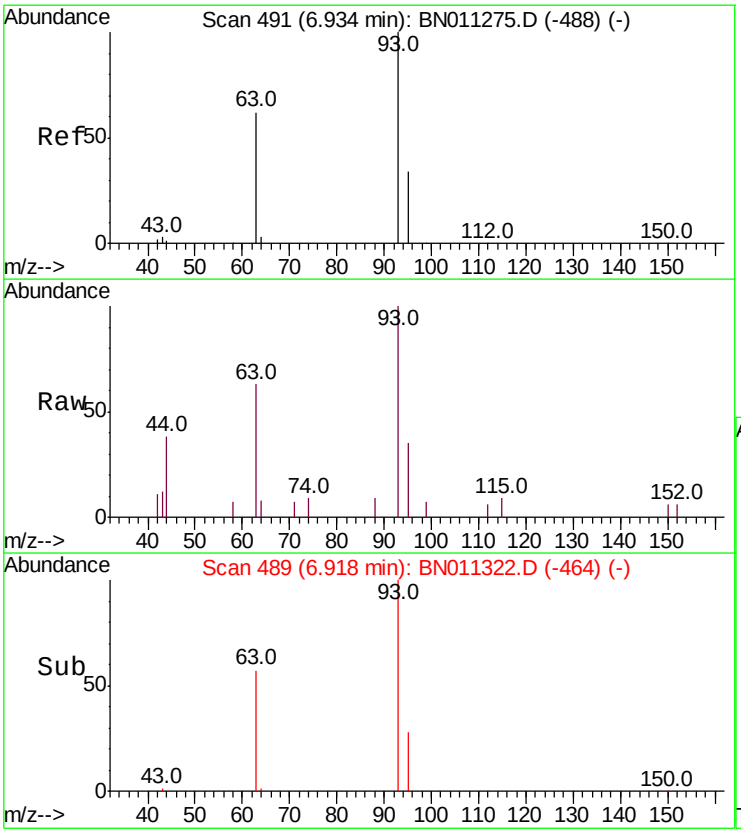
#5
Phenol-d6
Concen: 0.362 ng
RT: 6.67 min Scan# 458
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1874

Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.2	16.8
71	38.8	30.6	45.8

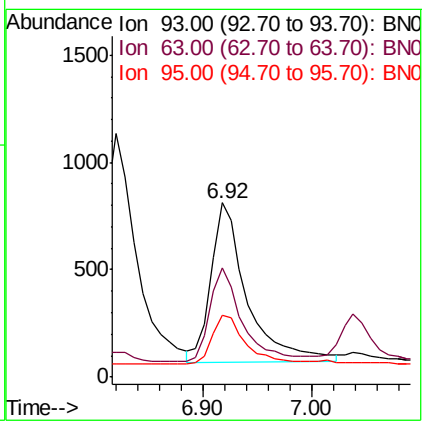


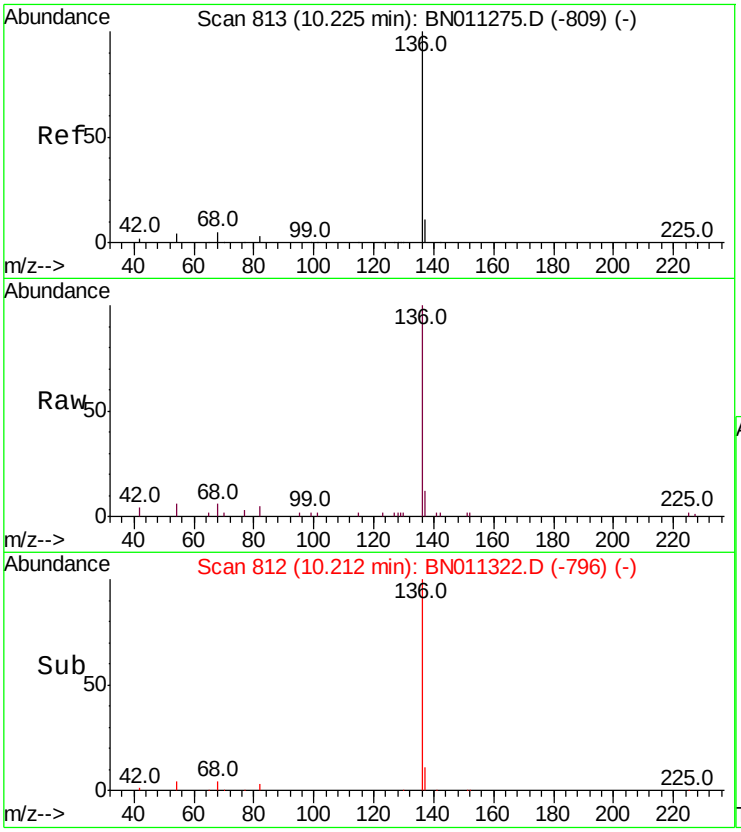


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 6.92 min Scan# 489
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion: 93 Resp: 1722

Ion	Ratio	Lower	Upper
93	100		
63	53.3	47.8	71.6
95	31.1	27.1	40.7



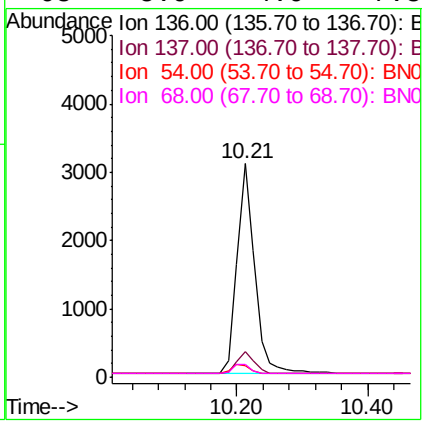


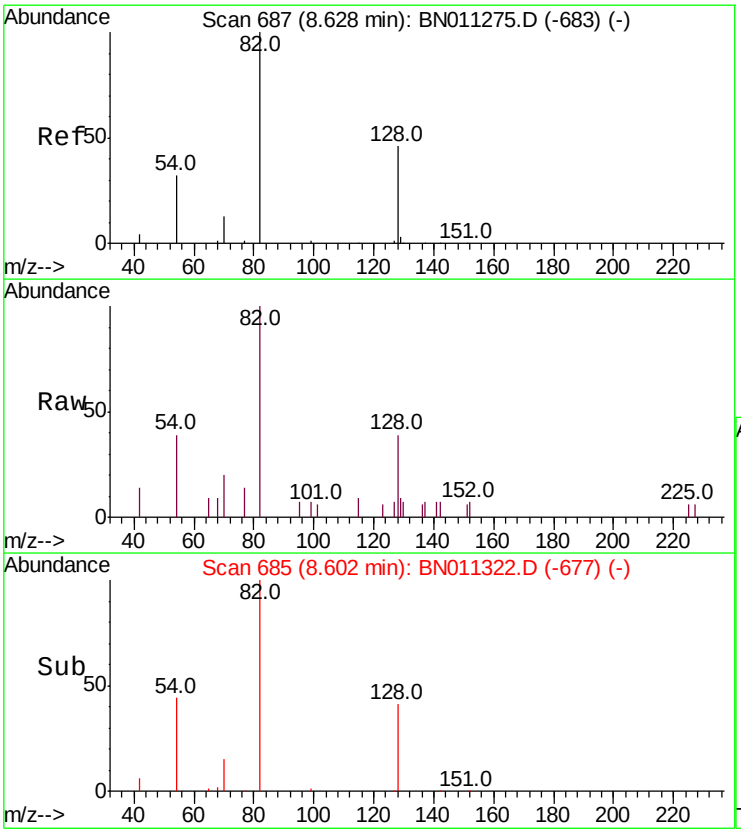
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.21 min Scan# 812
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5797

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.9	14.9
54	5.5	4.8	7.2
68	5.9	4.9	7.3

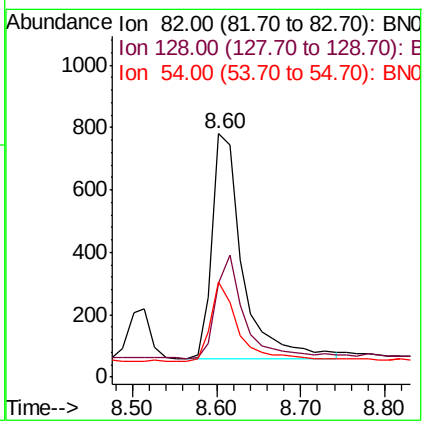


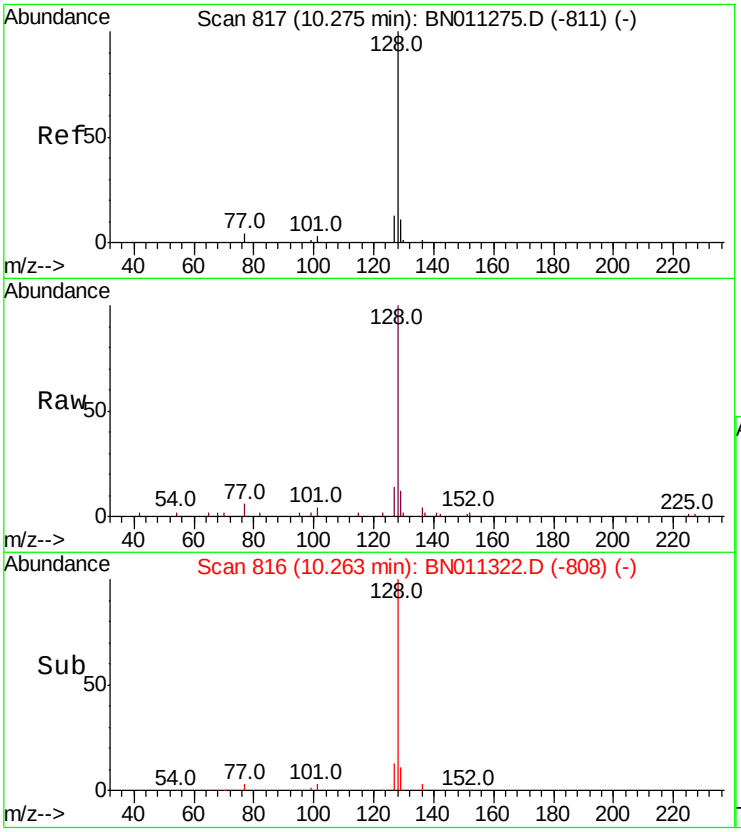


#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.60 min Scan# 685
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion: 82 Resp: 1844

Ion	Ratio	Lower	Upper
82	100		
128	38.5	40.1	60.1#
54	39.1	29.0	43.6



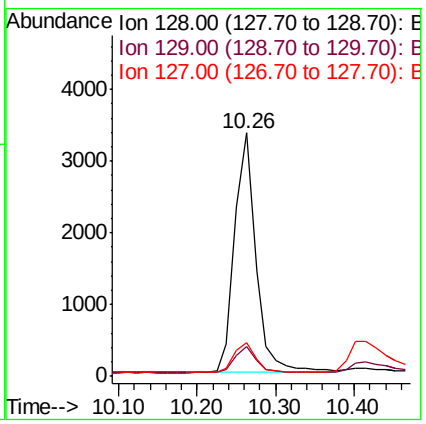


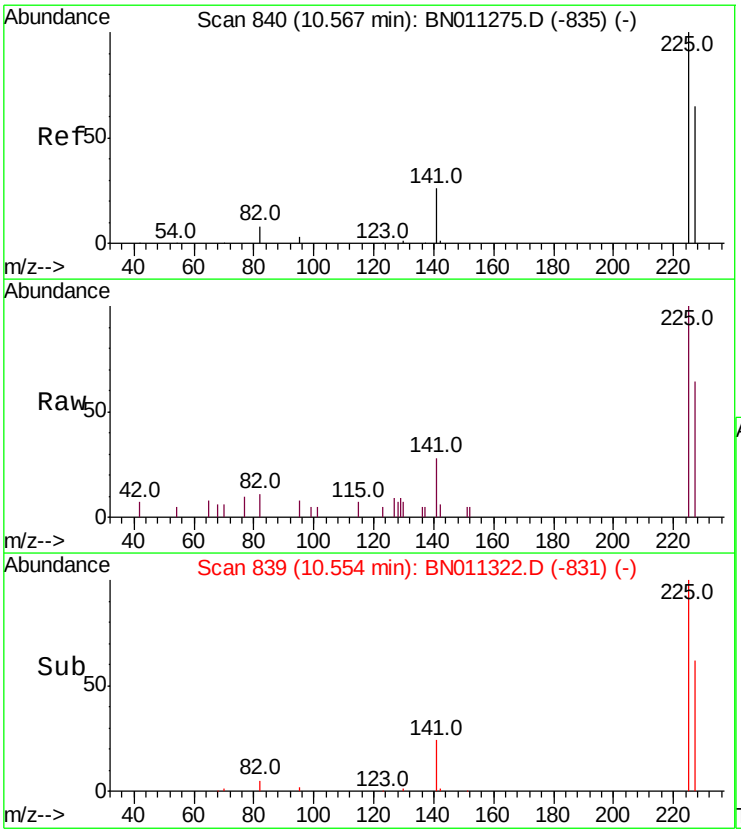
#9
Naphthalene
Concen: 0.362 ng
RT: 10.26 min Scan# 816
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 6220

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.7	14.5
127	14.0	11.5	17.3

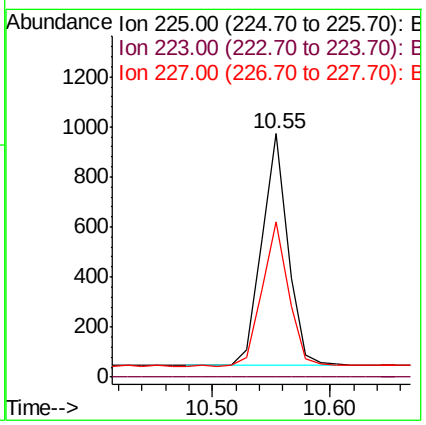


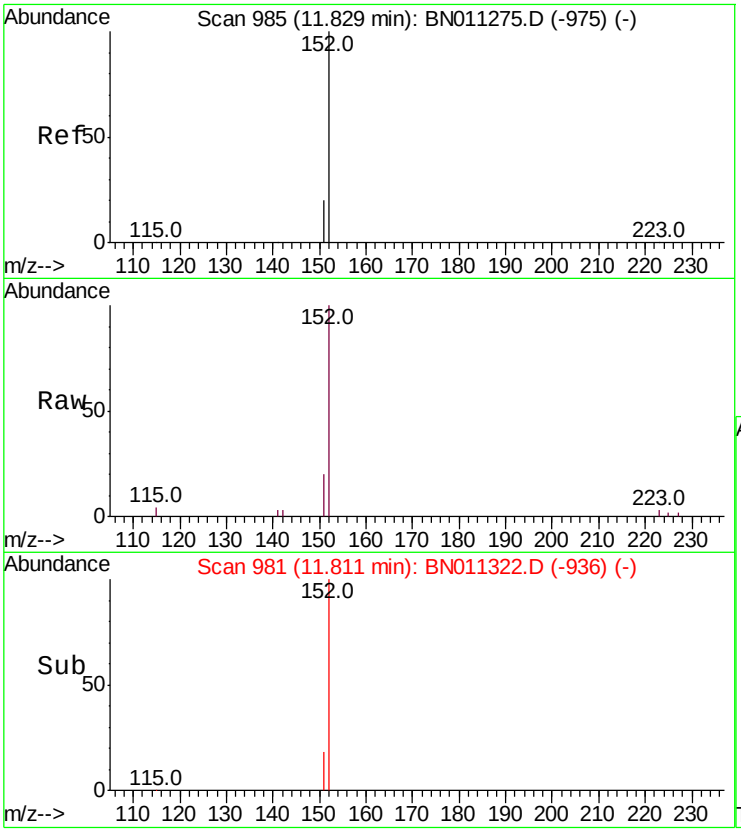


#10
Hexachlorobutadiene
Concen: 0.349 ng
RT: 10.55 min Scan# 839
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:225 Resp: 1452

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.4	51.7	77.5



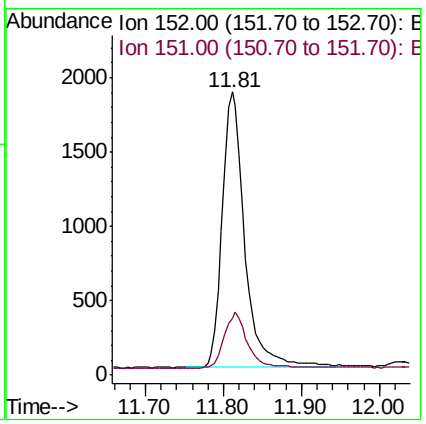


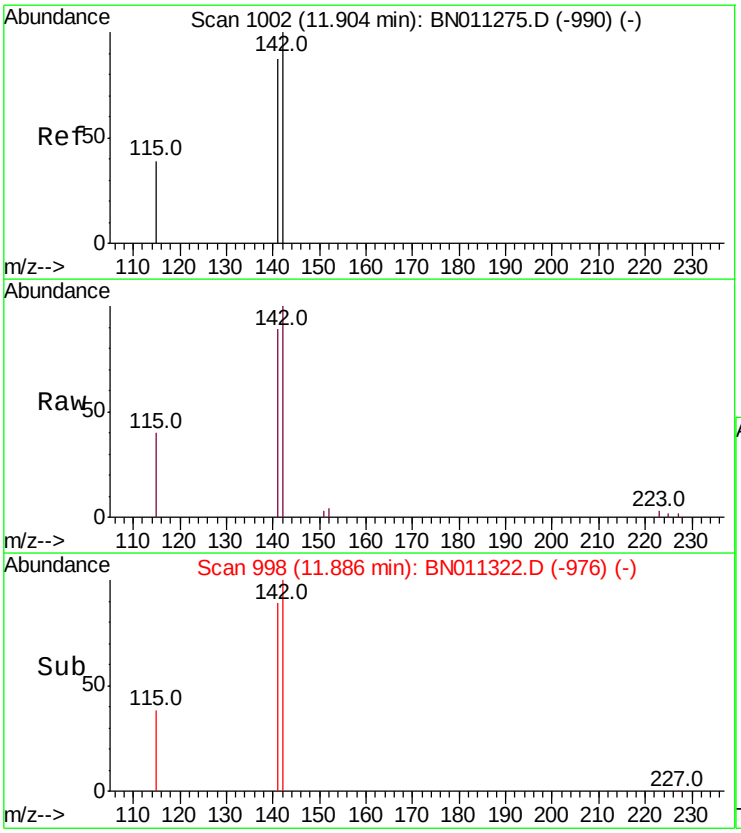
#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 11.81 min Scan# 981
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3729

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	24.8

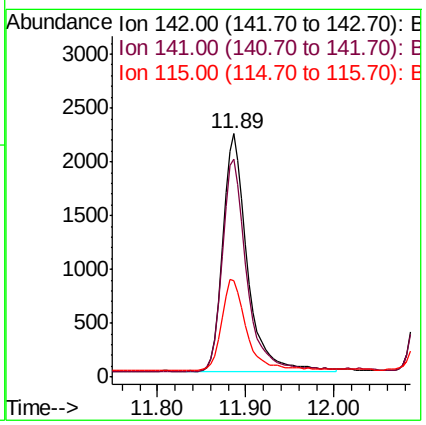


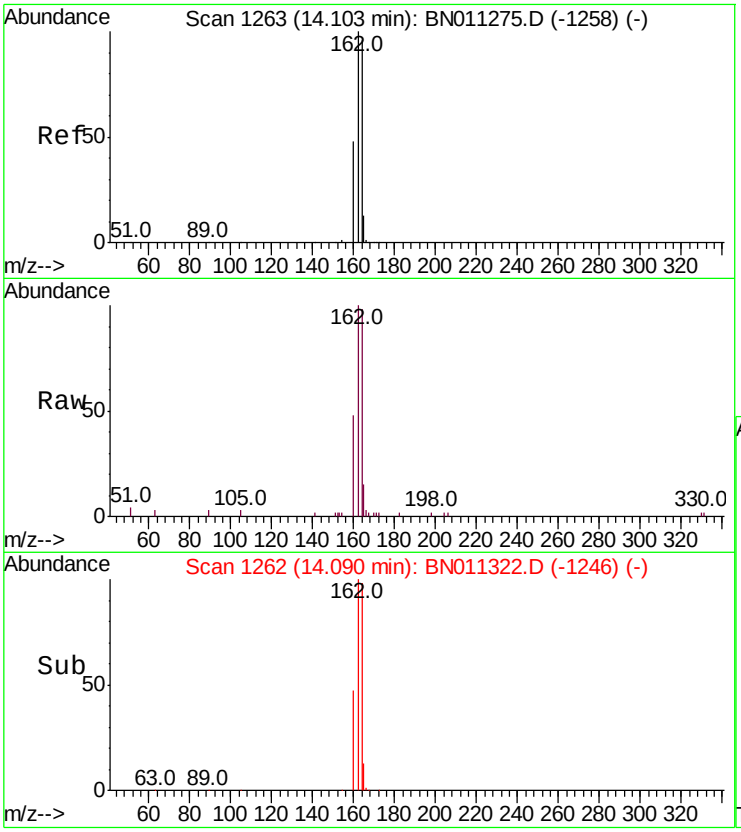


#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 11.89 min Scan# 998
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:142 Resp: 4289

Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.6	104.4
115	39.7	32.5	48.7



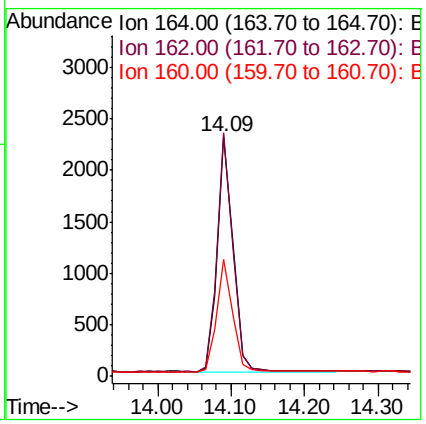


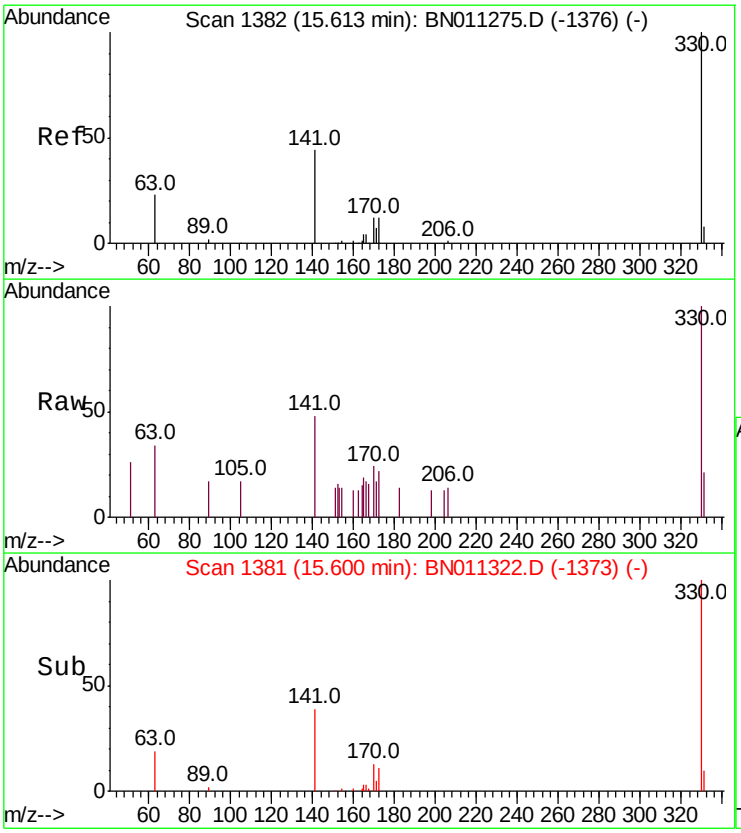
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.09 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3365

Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.6	125.4
160	48.6	41.2	61.8

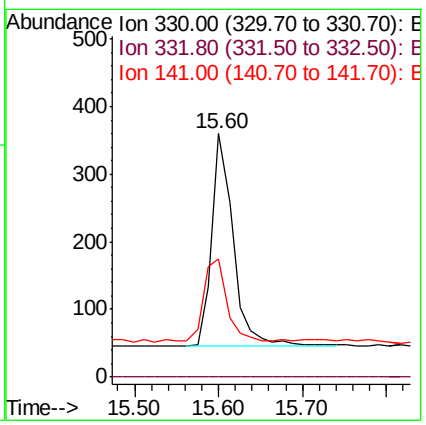


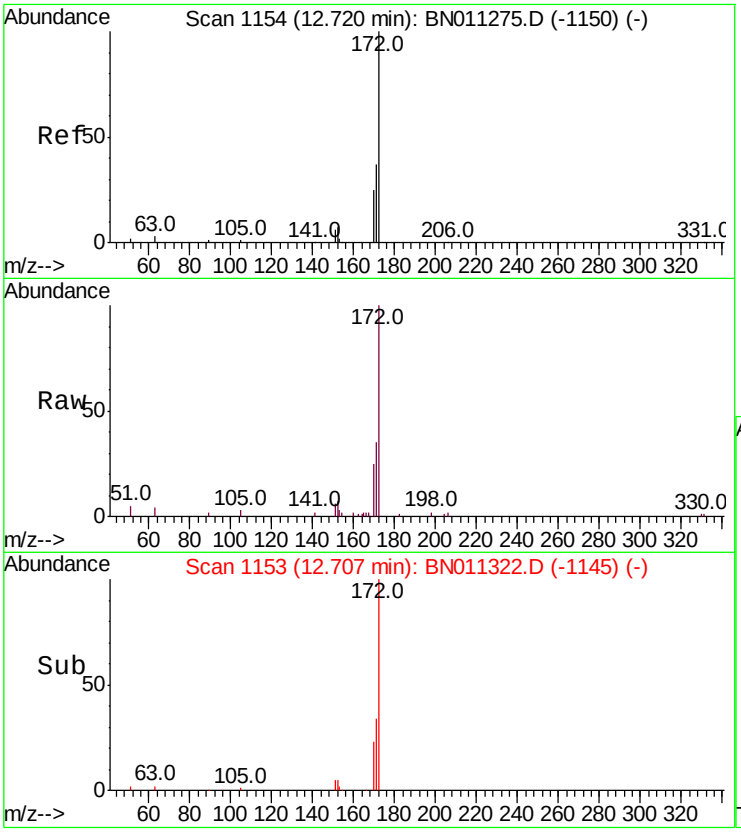


#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 15.60 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:330 Resp: 566

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.8	34.2	51.2



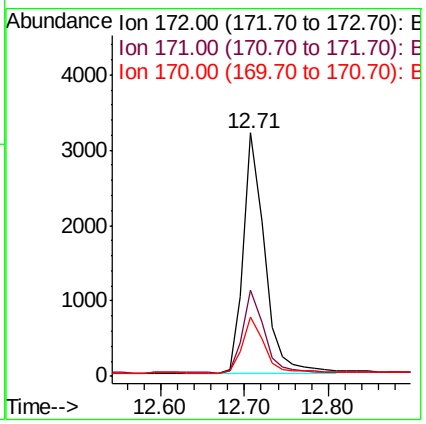


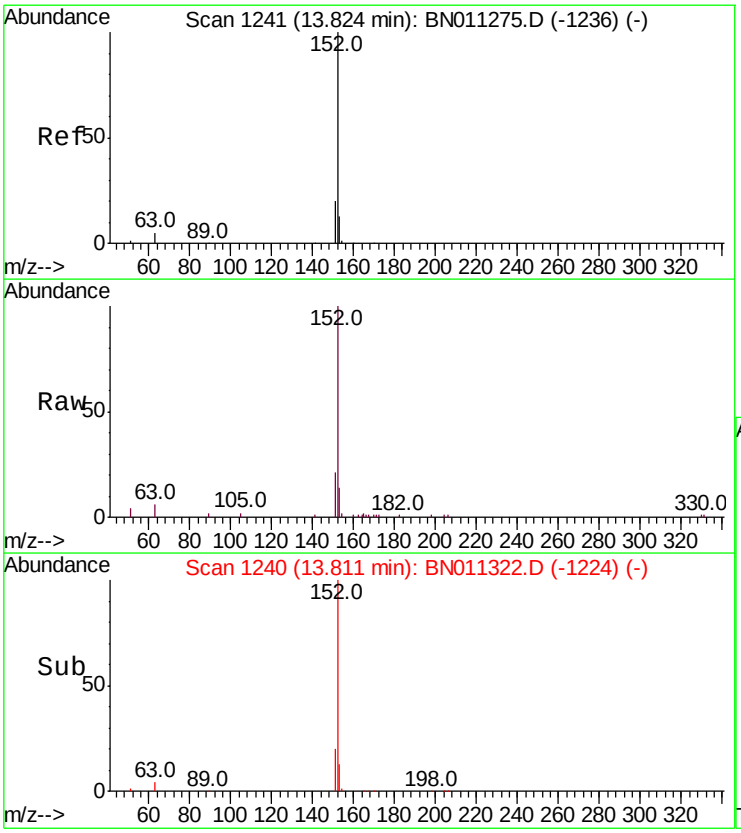
#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 12.71 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5653

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.6	46.0
170	24.6	21.0	31.4

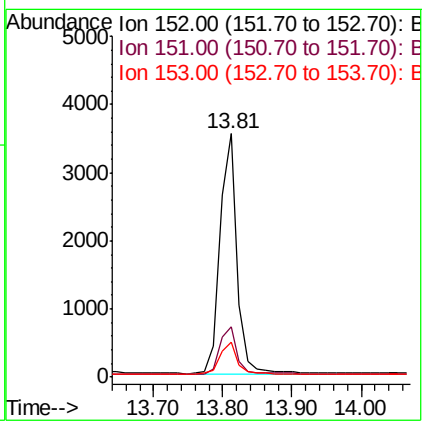


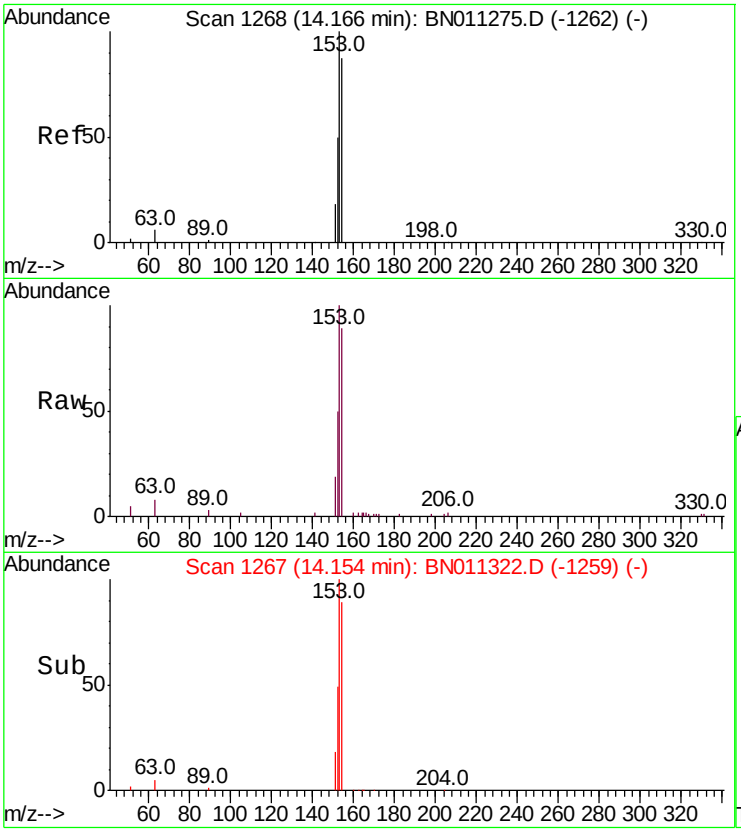


#16
Acenaphthylene
Concen: 0.352 ng
RT: 13.81 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:152 Resp: 6096

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.0	10.2	15.4



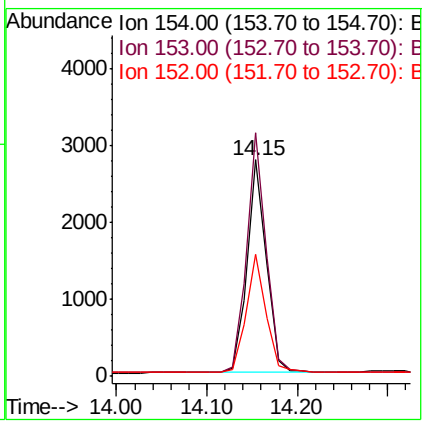


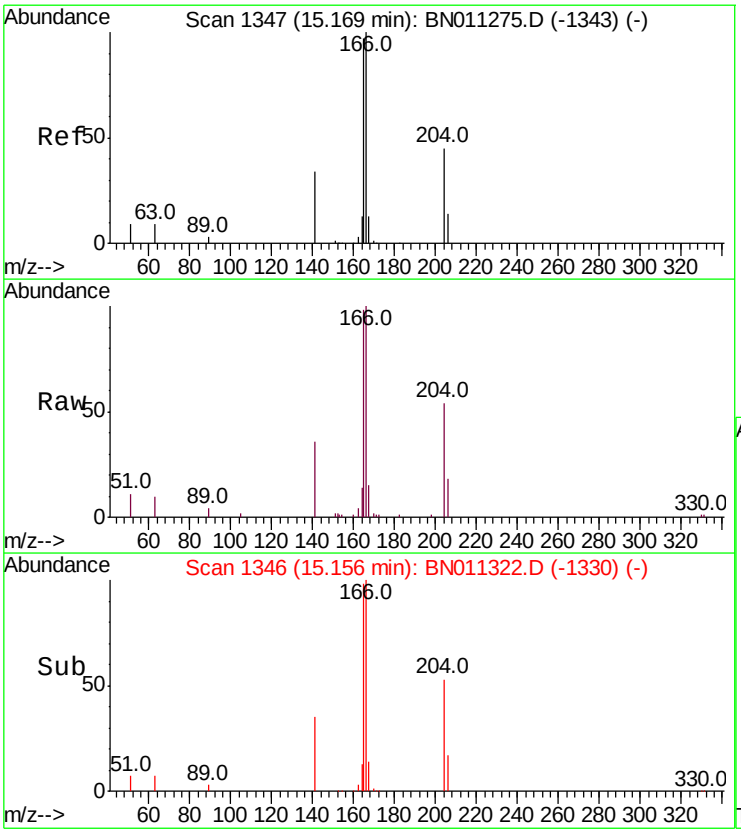
#17
Acenaphthene
Concen: 0.361 ng
RT: 14.15 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4078

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.3	136.9
152	56.9	45.8	68.6

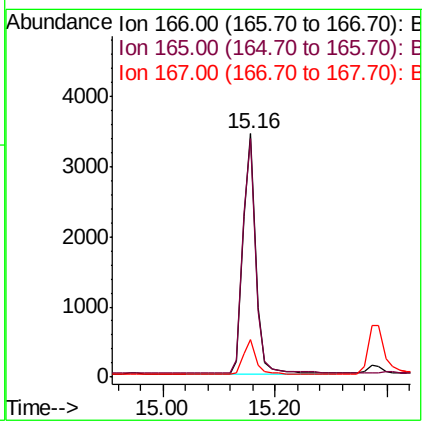


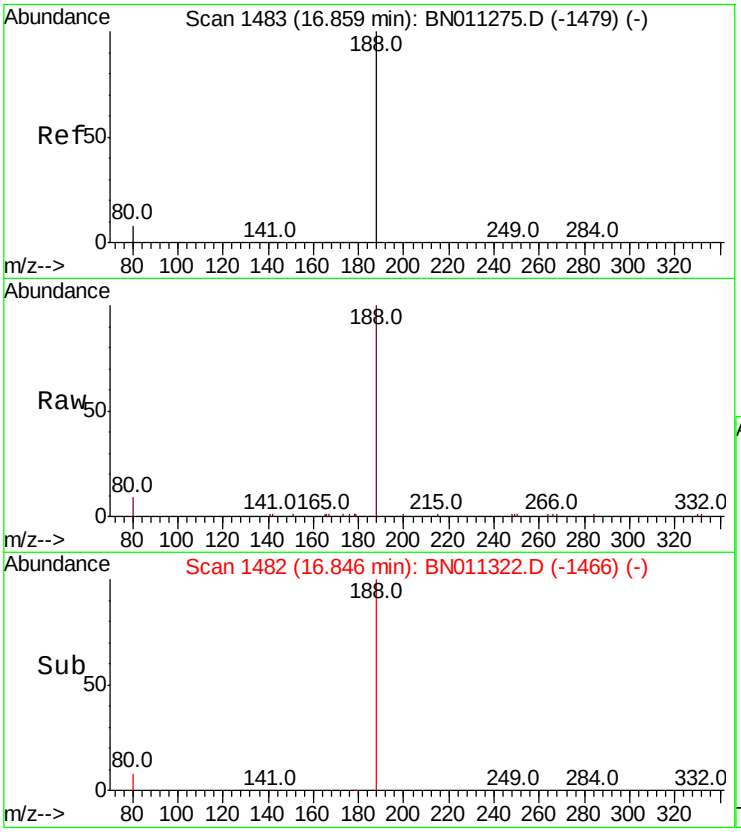


#18
Fluorene
Concen: 0.377 ng
RT: 15.16 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:166 Resp: 5463

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.6	119.4
167	13.4	10.8	16.2



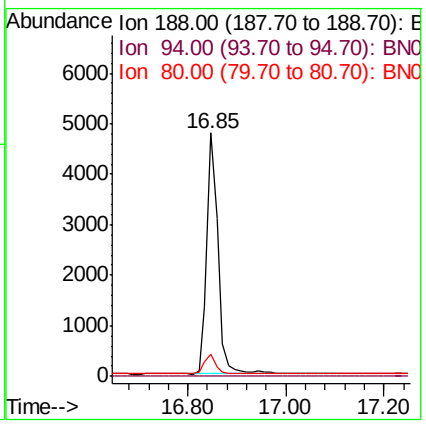


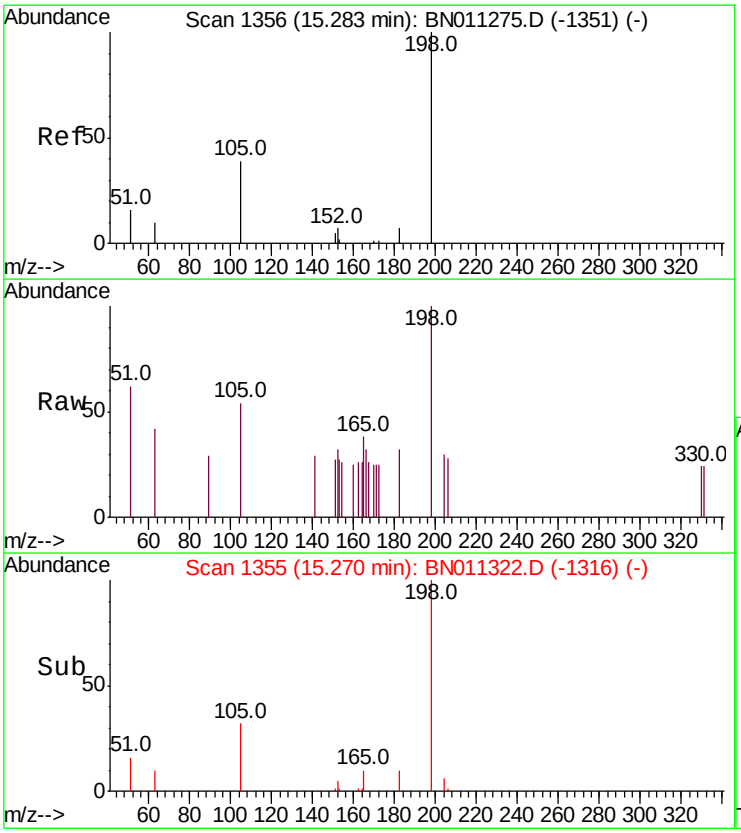
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 7646

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	7.4	11.0

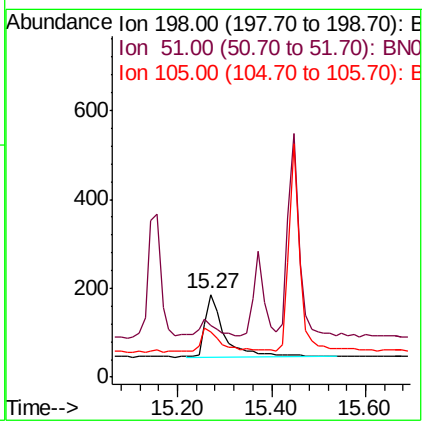


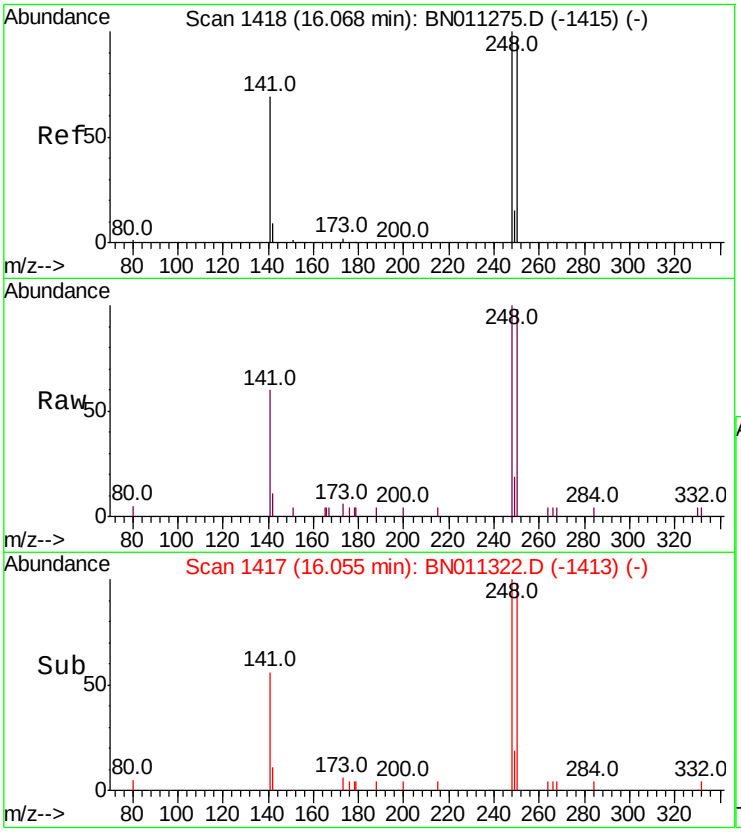


#20
4,6-Dinitro-2-methylphenol
Concen: 0.448 ng
RT: 15.27 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:198 Resp: 407

Ion	Ratio	Lower	Upper
198	100		
51	62.0	49.0	73.6
105	54.0	53.8	80.6



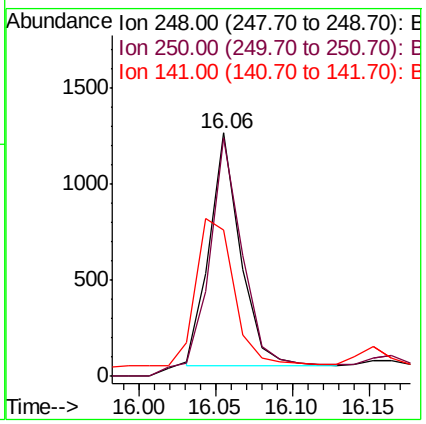


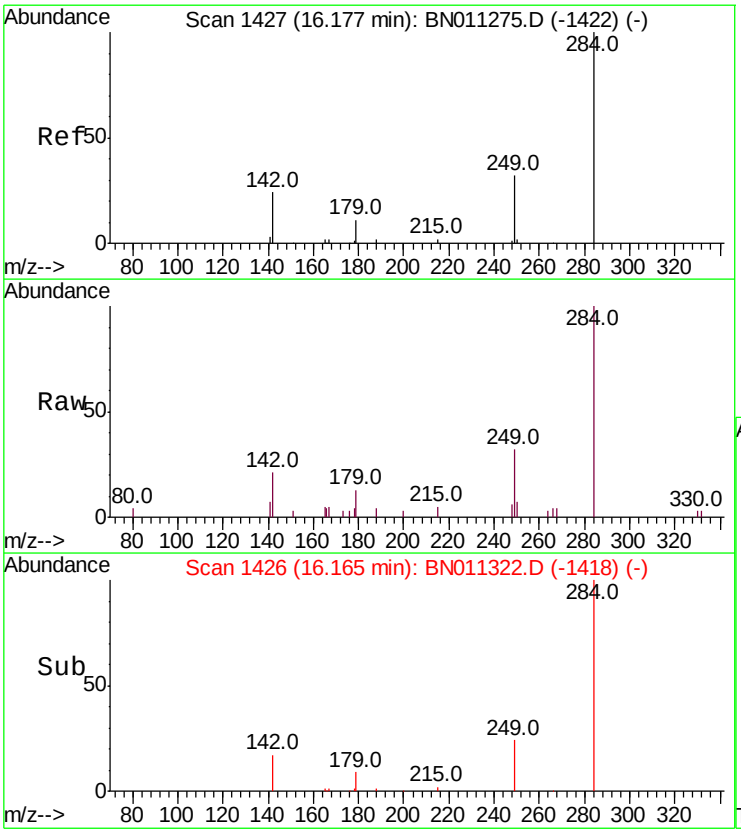
#21
4-Bromophenyl-phenylether
Concen: 0.336 ng
RT: 16.06 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1704

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.2	115.8
141	60.1	56.5	84.7

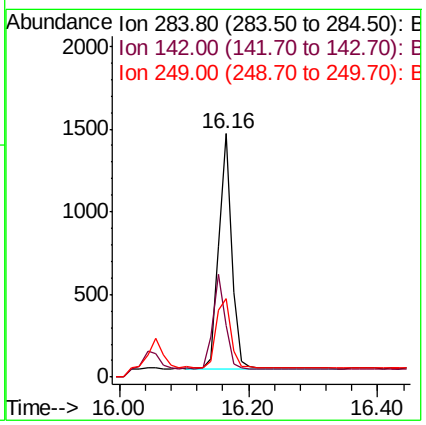


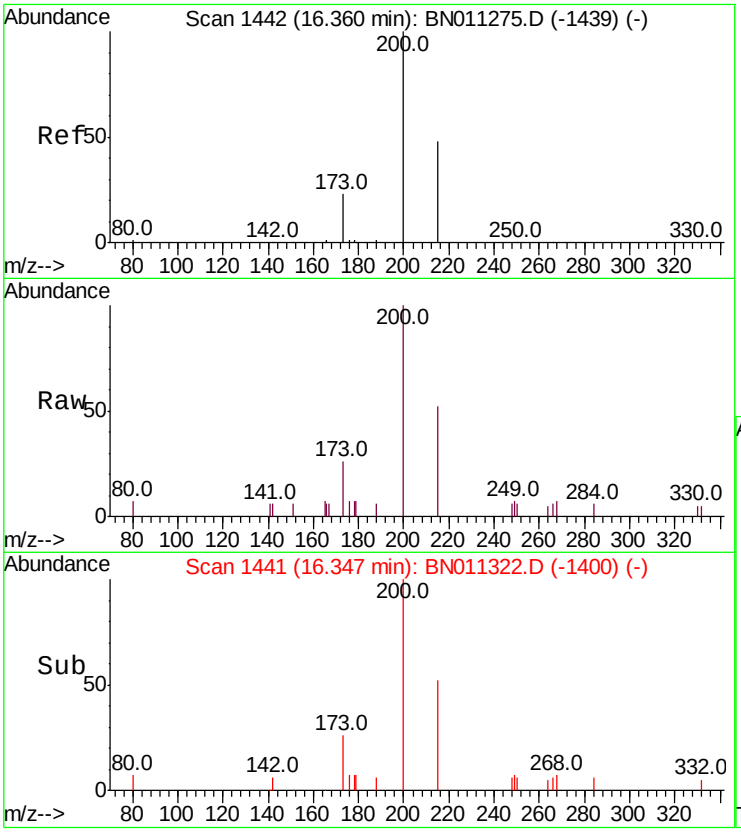


#22
Hexachlorobenzene
Concen: 0.351 ng
RT: 16.16 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:284 Resp: 2017

Ion	Ratio	Lower	Upper
284	100		
142	38.8	32.8	49.2
249	33.7	26.6	40.0



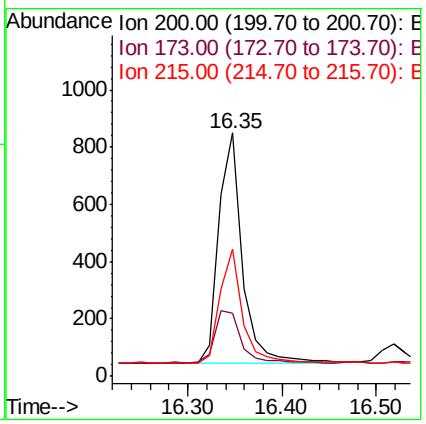


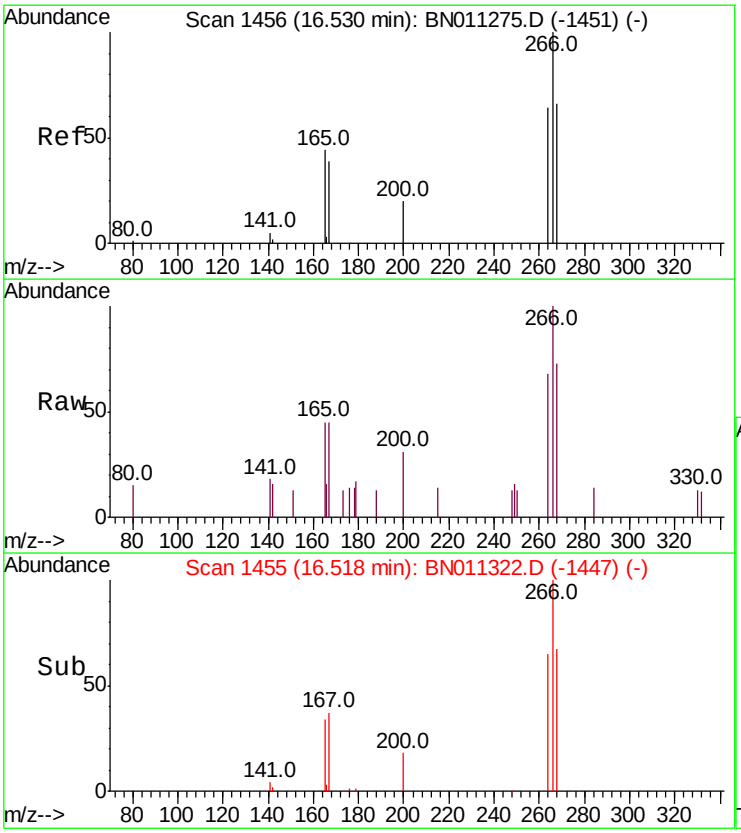
#23
Atrazine
Concen: 0.352 ng
RT: 16.35 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1390

Ion	Ratio	Lower	Upper
200	100		
173	25.9	22.0	33.0
215	52.1	41.1	61.7

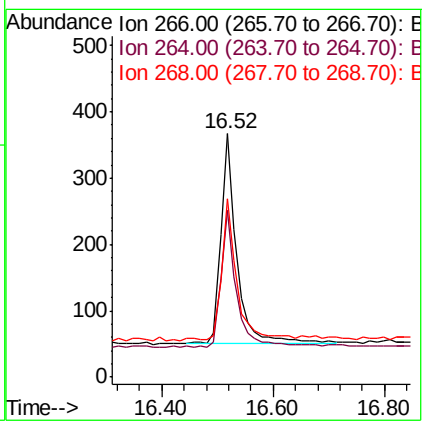


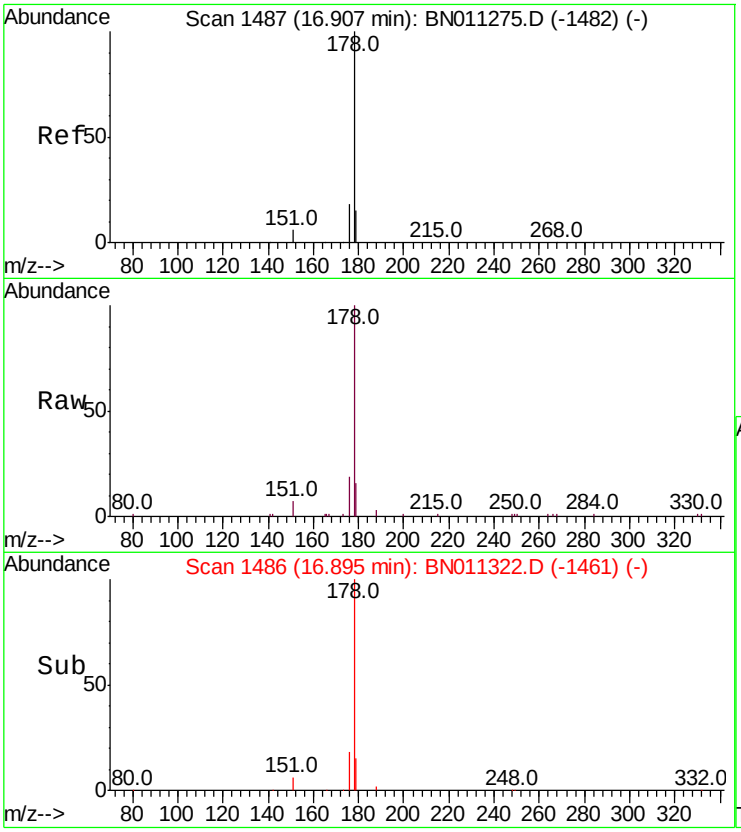


#24
Pentachlorophenol
Concen: 0.345 ng
RT: 16.52 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:266 Resp: 615

Ion	Ratio	Lower	Upper
266	100		
264	64.9	51.1	76.7
268	63.1	55.5	83.3



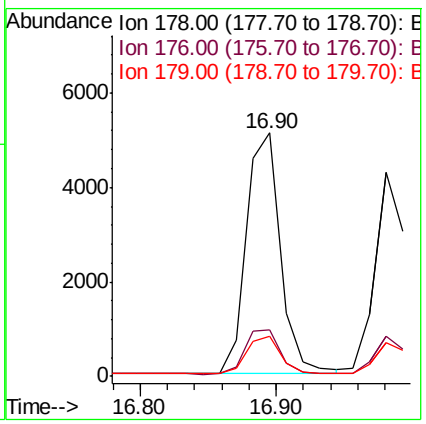


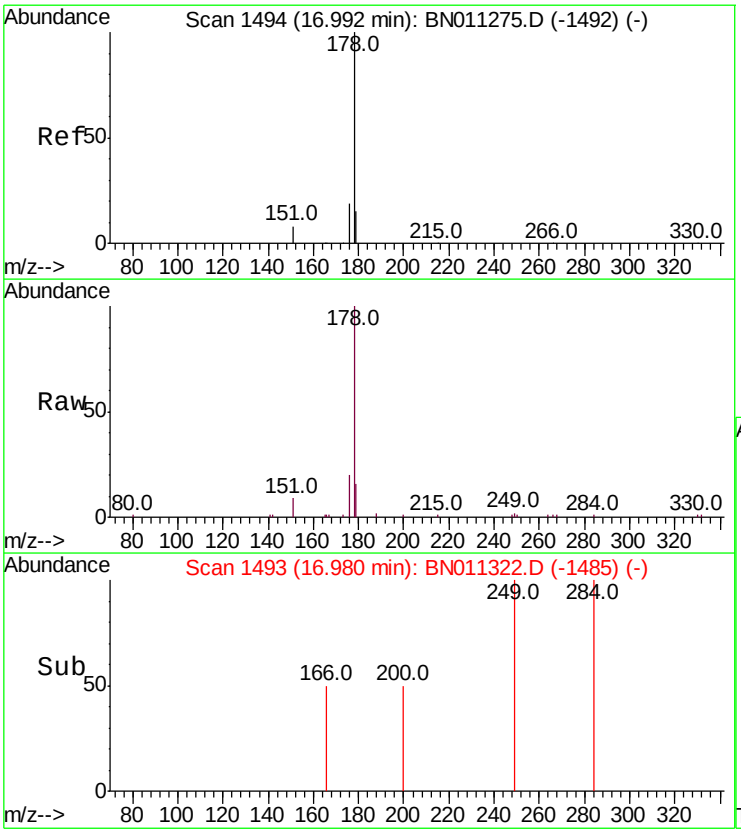
#25
Phenanthrene
Concen: 0.357 ng
RT: 16.90 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8895

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.4	12.2	18.4

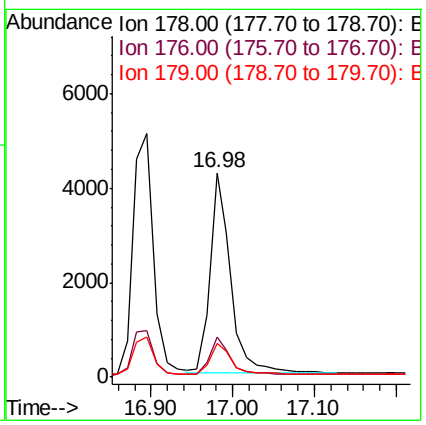


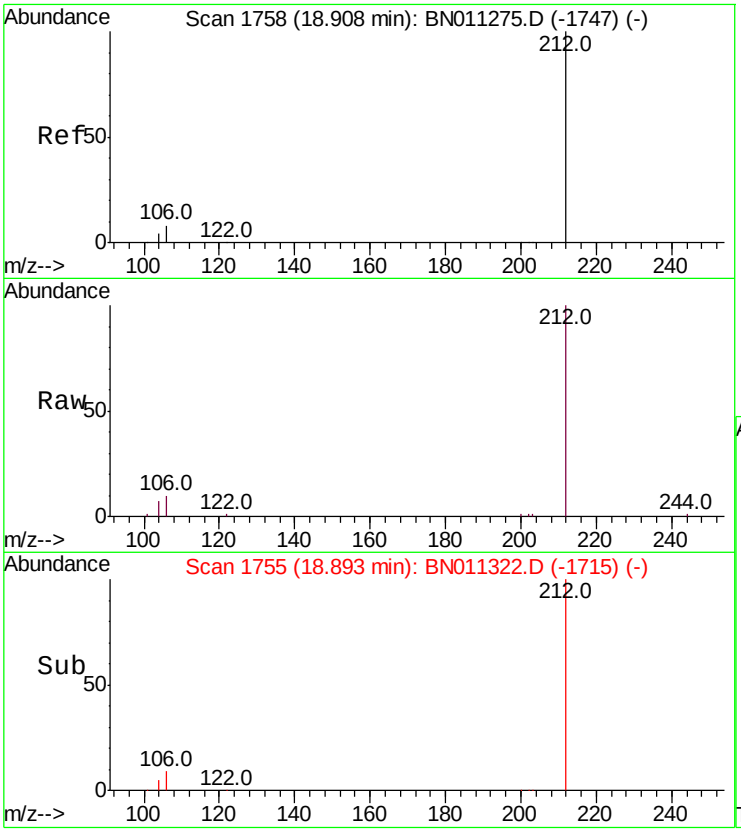


#26
Anthracene
Concen: 0.358 ng
RT: 16.98 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:178 Resp: 7407

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.6
179	15.5	12.1	18.1



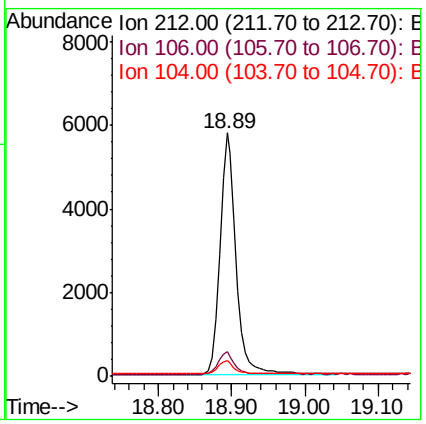


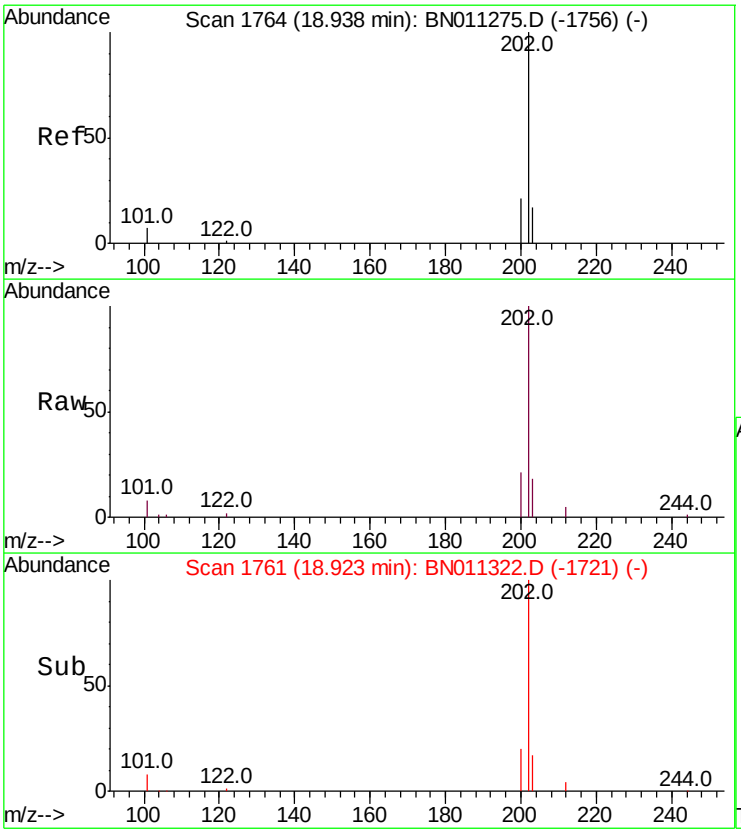
#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 18.89 min Scan# 1755
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 8750

Ion	Ratio	Lower	Upper
212	100		
106	9.3	6.9	10.3
104	5.5	4.2	6.2

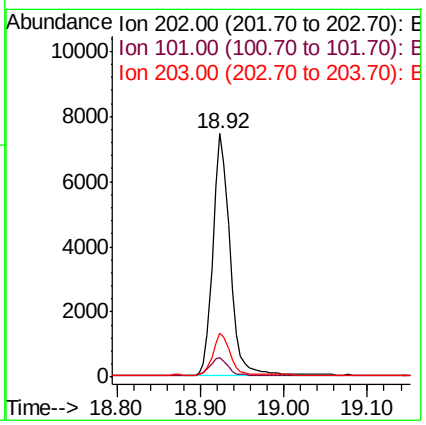


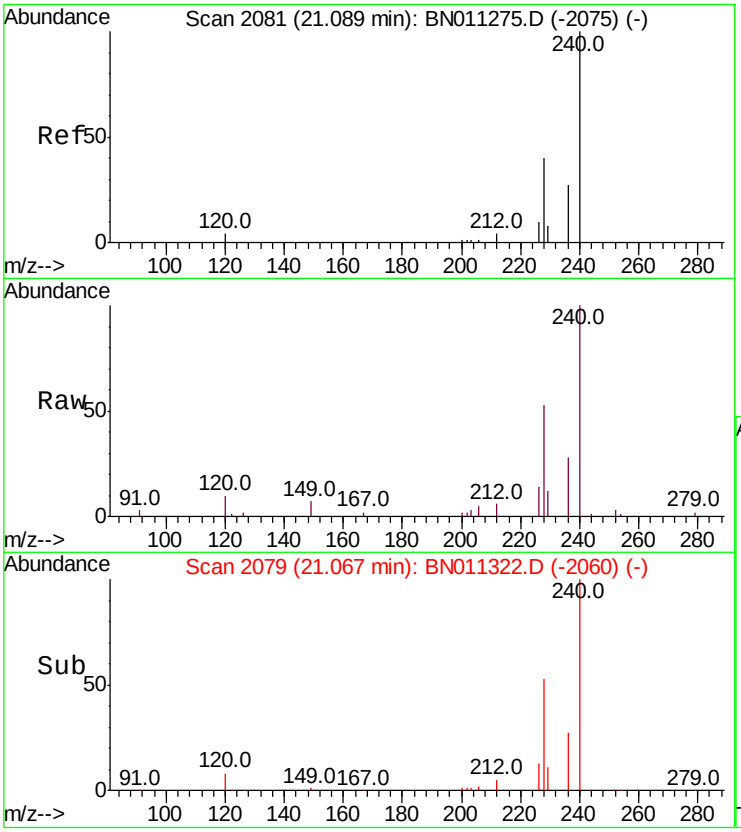


#28
Fluoranthene
Concen: 0.375 ng
RT: 18.92 min Scan# 1761
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:202 Resp: 10616

Ion	Ratio	Lower	Upper
202	100		
101	7.8	5.9	8.9
203	16.9	13.7	20.5



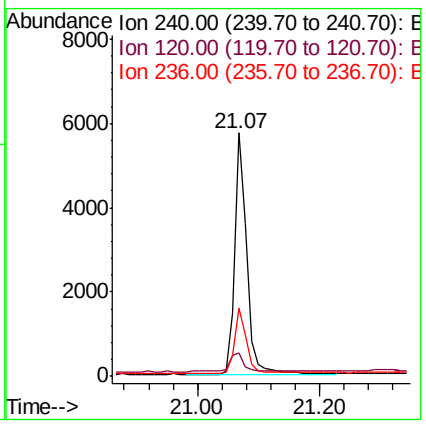


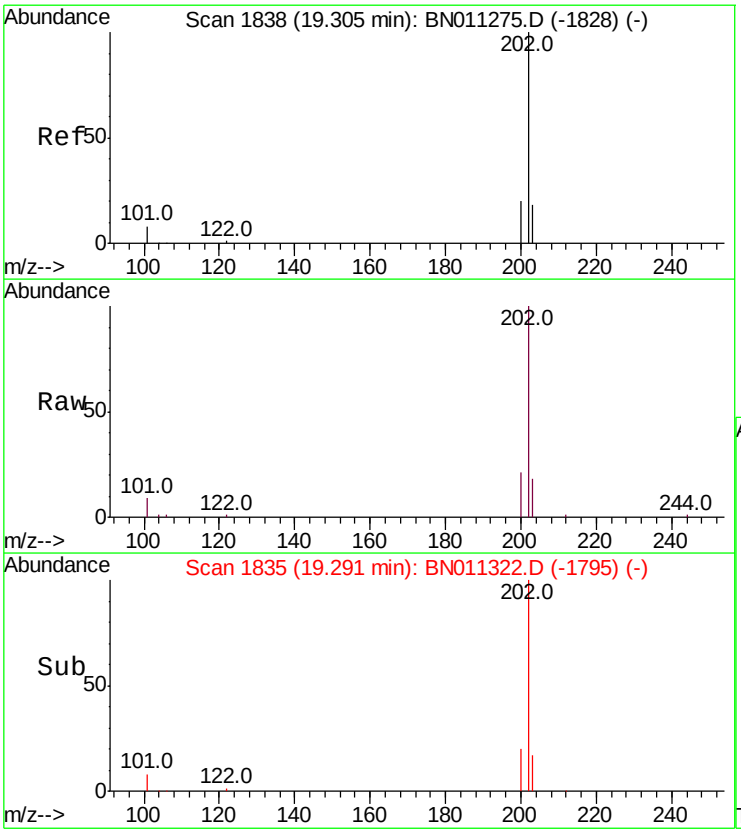
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.07 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 7904

Ion	Ratio	Lower	Upper
240	100		
120	9.7	5.8	8.8#
236	28.0	22.7	34.1

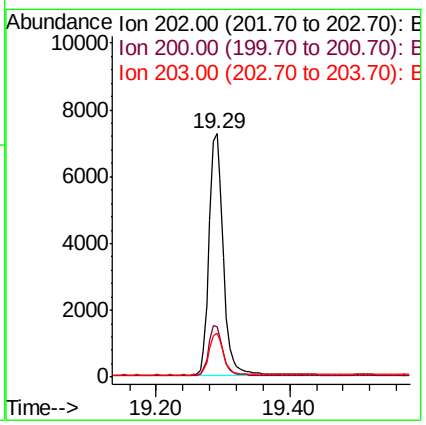


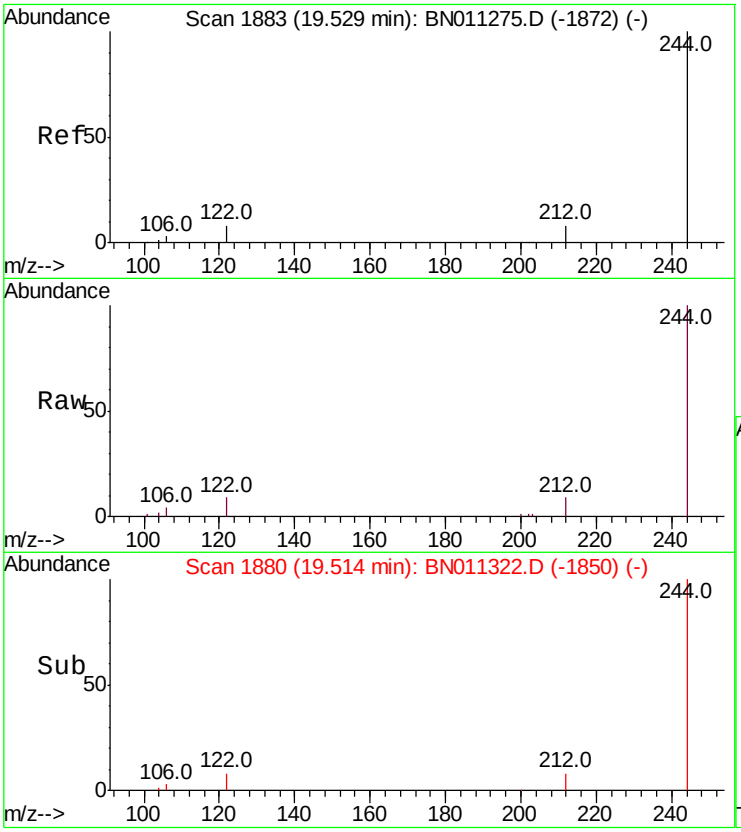


#30
Pyrene
Concen: 0.299 ng
RT: 19.29 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:202 Resp: 10664

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	17.4	14.1	21.1



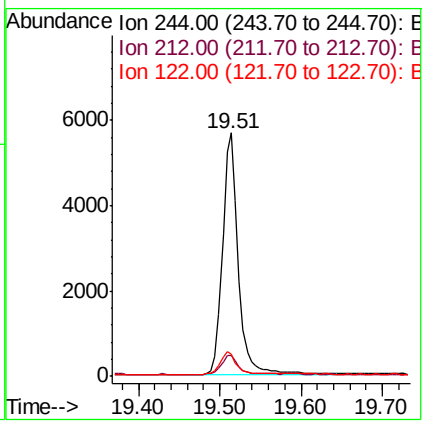


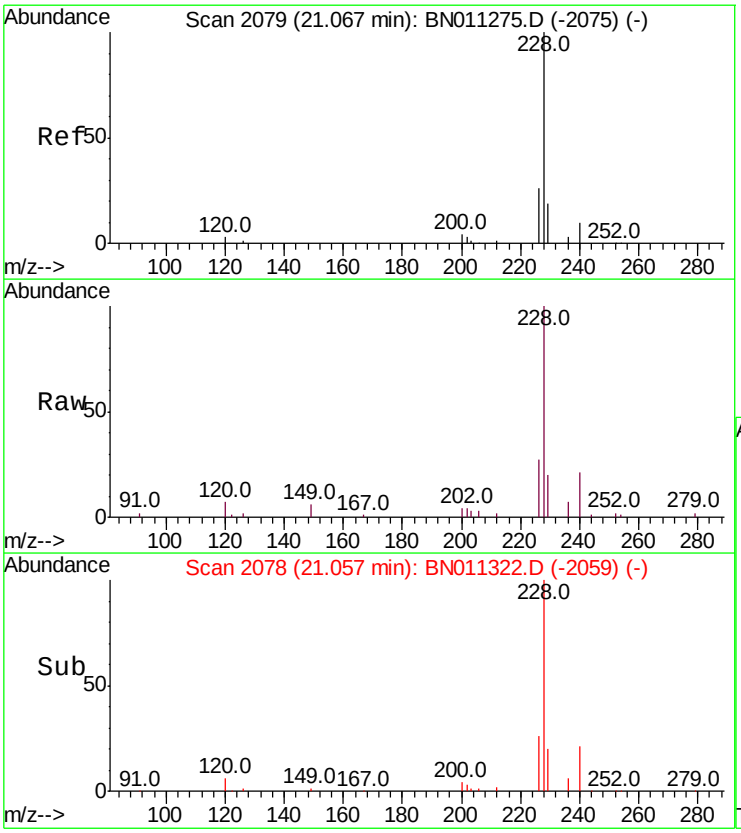
#31
Terphenyl-d14
Concen: 0.317 ng
RT: 19.51 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7583

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.6	11.4
122	8.9	7.5	11.3

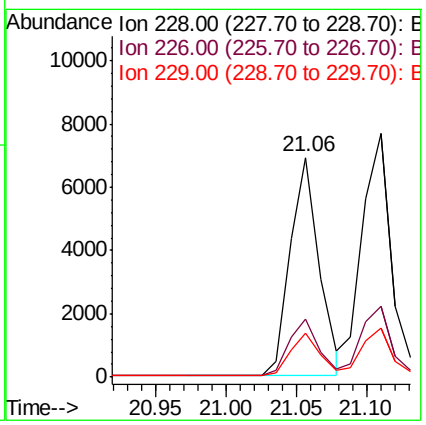


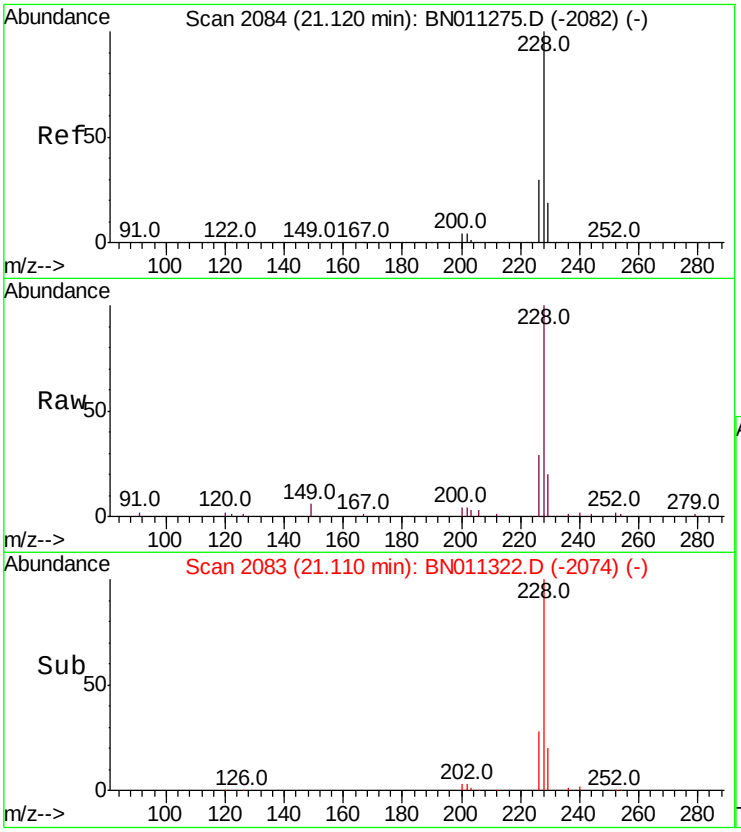


#32
Benzo(a)anthracene
Concen: 0.373 ng
RT: 21.06 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:228 Resp: 9889

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.6	32.4
229	20.3	16.0	24.0



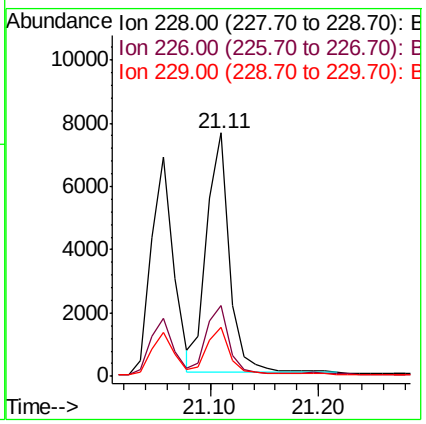


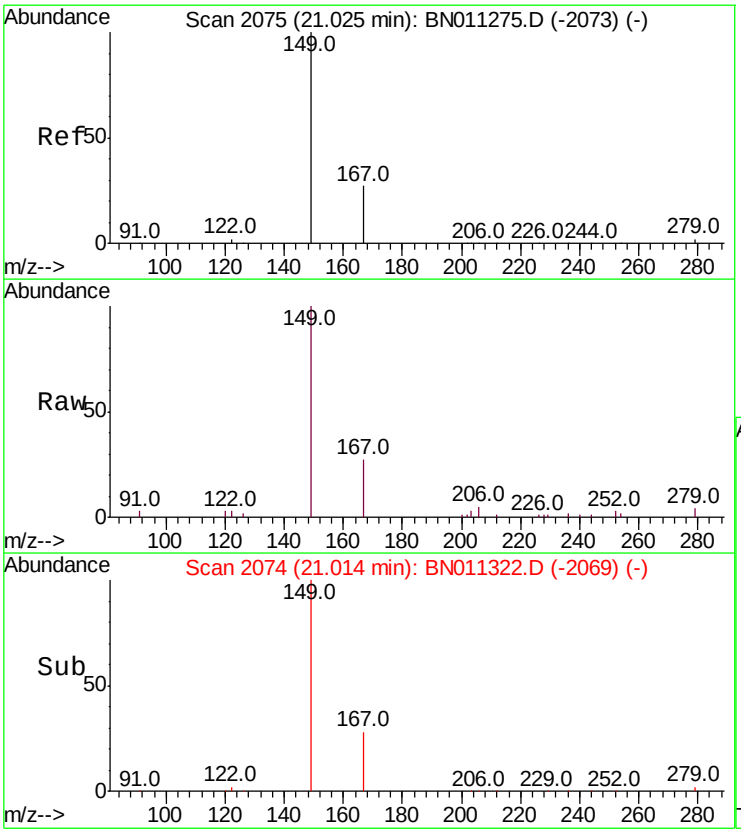
#33
Chrysene
Concen: 0.374 ng
RT: 21.11 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11109

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.3	36.5
229	20.4	15.9	23.9

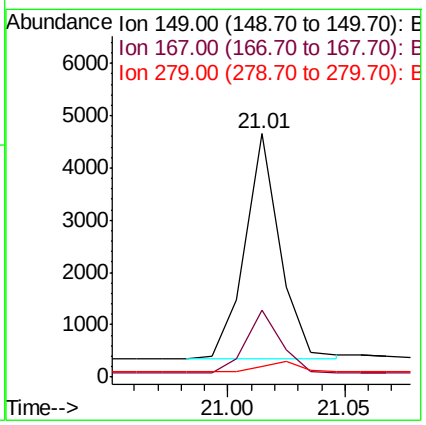


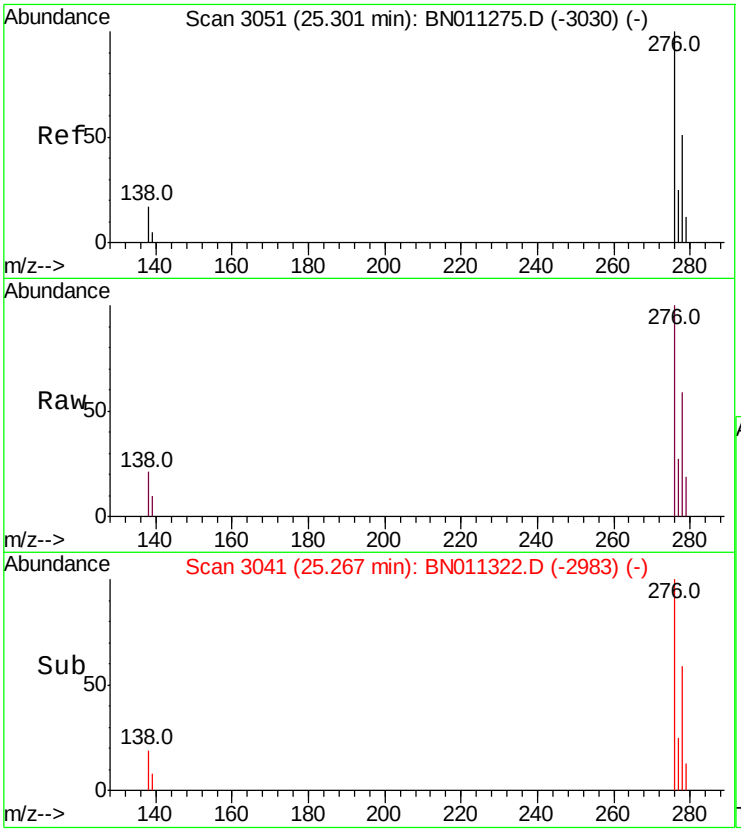


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.315 ng
RT: 21.01 min Scan# 2074
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:149 Resp: 4480

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.7	32.5
279	4.8	3.9	5.9



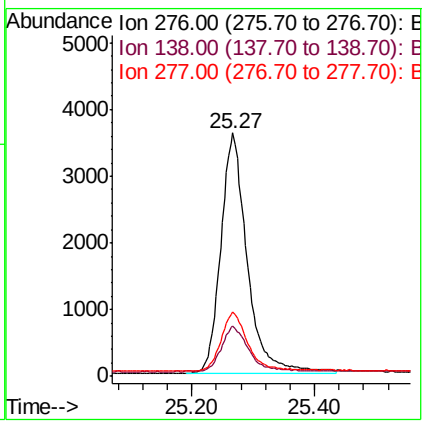


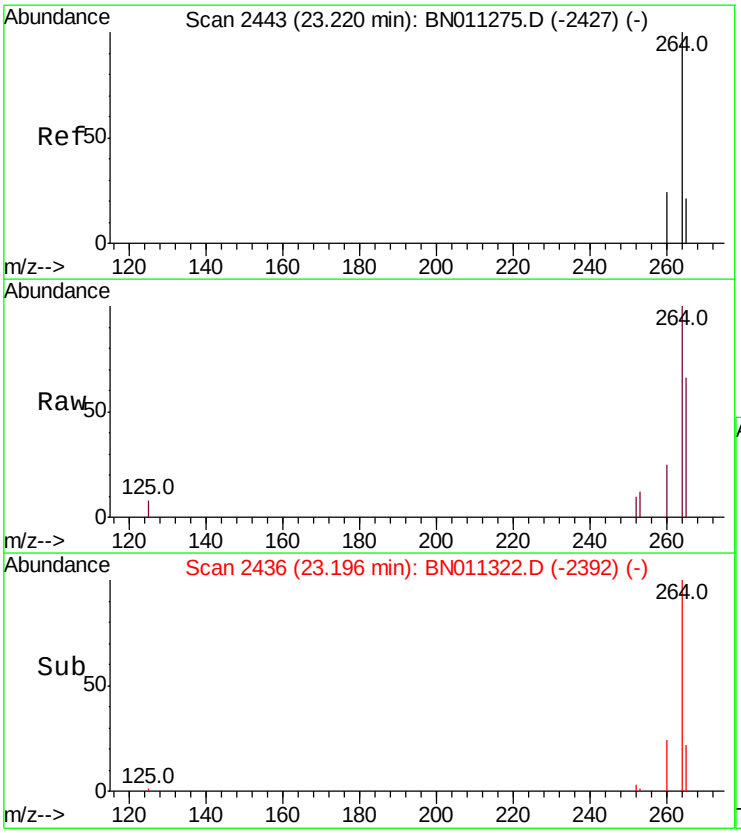
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.368 ng
RT: 25.27 min Scan# 3041
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10684

Ion	Ratio	Lower	Upper
276	100		
138	19.1	13.6	20.4
277	24.8	19.7	29.5

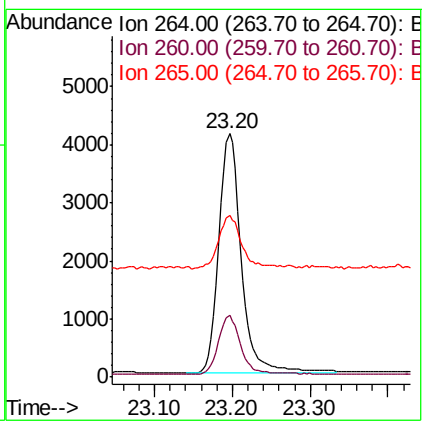


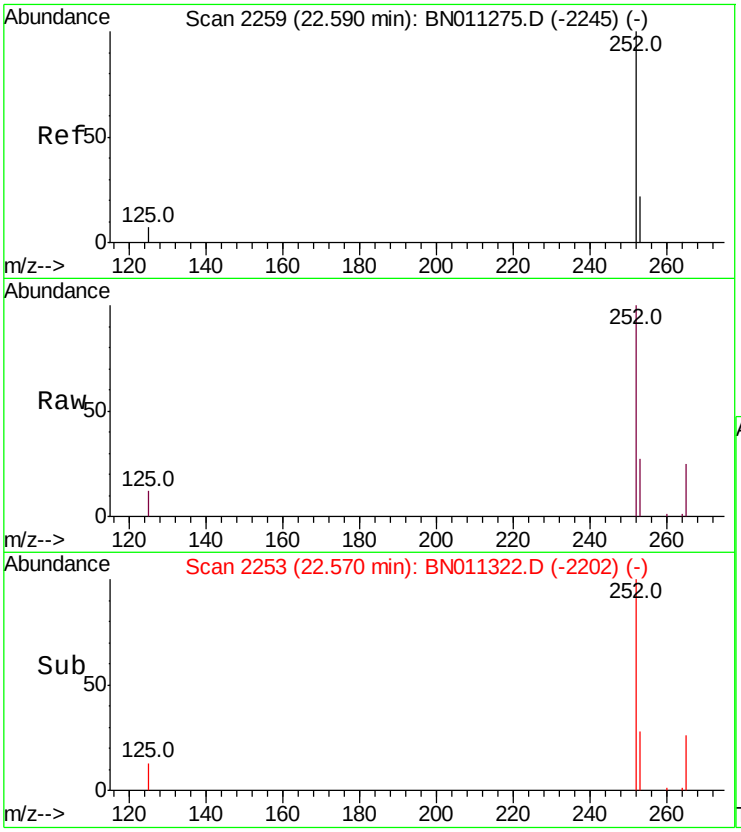


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:264 Resp: 8190

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	66.4	70.7	106.1#



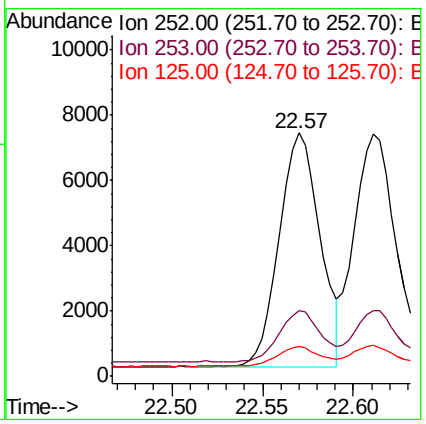


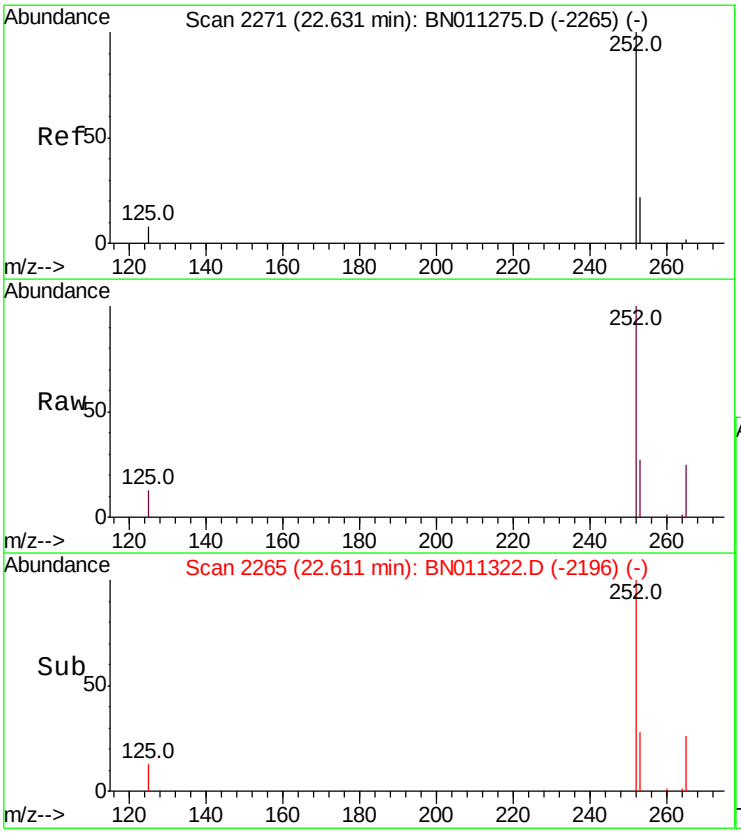
#37
Benzo(b)fluoranthene
Concen: 0.345 ng
RT: 22.57 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11260

Ion	Ratio	Lower	Upper
252	100		
253	27.0	23.1	34.7
125	12.2	9.4	14.2

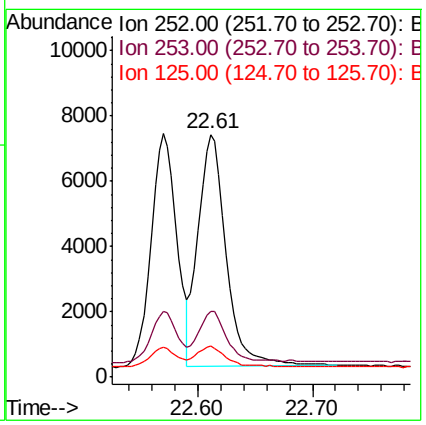


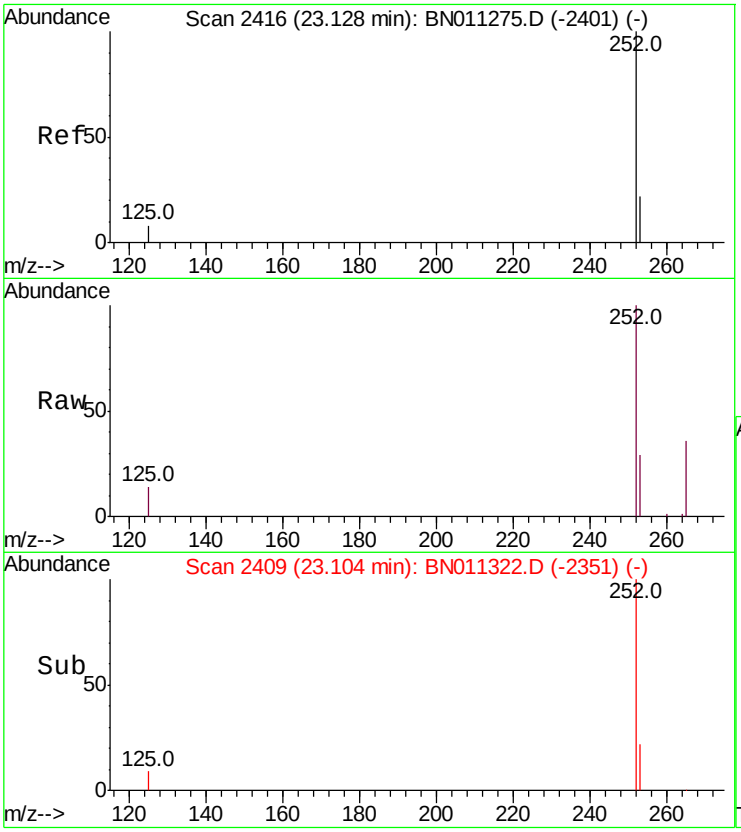


#38
Benzo(k)fluoranthene
Concen: 0.334 ng
RT: 22.61 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:252 Resp: 12019

Ion	Ratio	Lower	Upper
252	100		
253	27.0	22.9	34.3
125	12.6	11.3	16.9



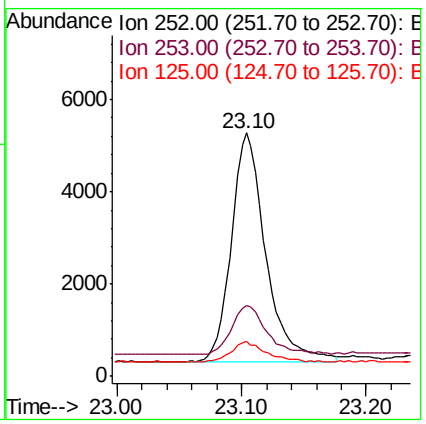


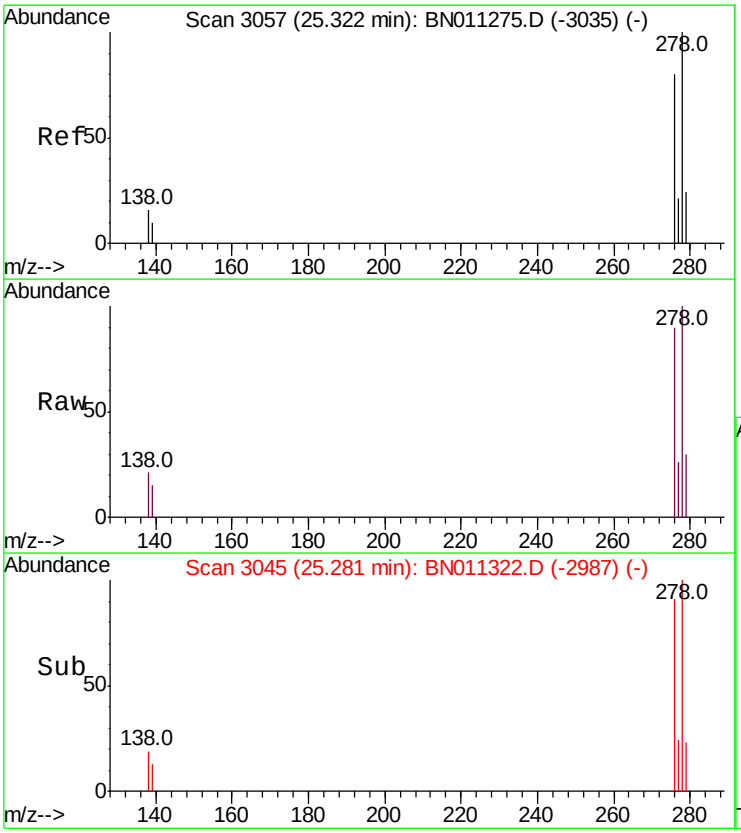
#39
Benzo(a)pyrene
Concen: 0.335 ng
RT: 23.10 min Scan# 2409
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9490

Ion	Ratio	Lower	Upper
252	100		
253	29.3	26.6	39.8
125	14.1	12.7	19.1

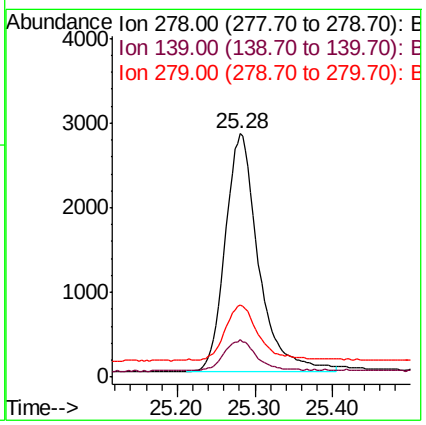


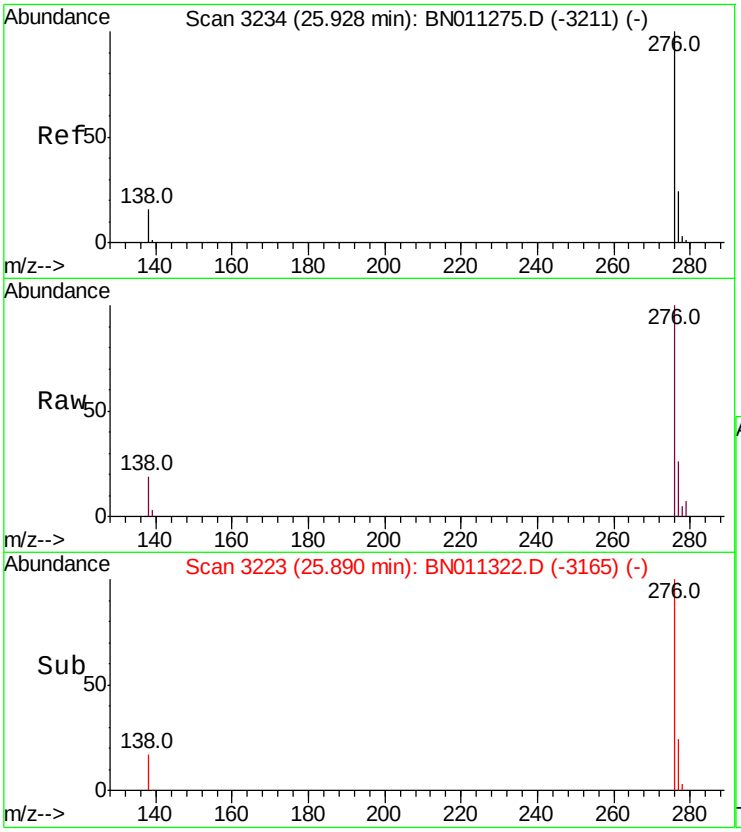


#40
Dibenzo(a,h)anthracene
Concen: 0.286 ng
RT: 25.28 min Scan# 3045
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Tgt Ion:278 Resp: 8378

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.4	18.6
279	29.6	25.8	38.6





#41
Benzo(g,h,i)perylene
Concen: 0.282 ng
RT: 25.89 min Scan# 3223
Delta R.T. 0.00 min
Lab File: BN011322.D
Acq: 31 Jul 2020 11:41

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9181

Ion	Ratio	Lower	Upper
276	100		
277	26.0	21.0	31.6
138	18.6	15.0	22.6