Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072320\
Data File : BN011224.D
Acq On : 22 Jul 2020 18:57
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jul 23 03:55:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 22 19:29:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	1443	0.40	ng		0.00
7) Naphthalene-d8	10.24	136	5255	0.40	ng		0.00
13) Acenaphthene-d10	14.12	164	3247	0.40	ng		0.00
19) Phenanthrene-d10	16.87	188	7318	0.40	ng		0.00
29) Chrysene-d12	21.09	240	5774	0.40	ng		-0.01
36) Perylene-d12	23.22	264	5304	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.15	112	1303	0.37	ng		0.00
5) Phenol-d6	6.69	99	1694	0.42	ng		0.00
8) Nitrobenzene-d5	8.64	82	1729	0.37	ng		0.01
11) 2-Methylnaphthalene-d10	11.84	152	3708	0.43	ng		0.00
14) 2,4,6-Tribromophenol	15.63	330	544	0.38	ng		0.00
15) 2-Fluorobiphenyl	12.73	172	5386	0.35	ng		0.00
27) Fluoranthene-d10	18.91	212	8629	0.37	ng		0.00
31) Terphenyl-d14	19.53	244	6712	0.45	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	711	0.345	ng		94
3) n-Nitrosodimethylamine	3.53	42	379	0.365	ng	#	90
6) bis(2-Chloroethyl)ether	6.94	93	1358	0.369	ng		98
9) Naphthalene	10.29	128	5896	0.377	ng		99
10) Hexachlorobutadiene	10.58	225	1465	0.378	ng	#	99
12) 2-Methylnaphthalene	11.91	142	3993	0.406	ng		98
16) Acenaphthylene	13.82	152	5948	0.360	ng		100
17) Acenaphthene	14.18	154	4027	0.365	ng		97
18) Fluorene	15.18	166	5316	0.376	ng		99
20) 4,6-Dinitro-2-methylphenol	15.30	198	329	0.374	ng		96
21) 4-Bromophenyl-phenylether	16.08	248	1797	0.361	ng		98
22) Hexachlorobenzene	16.19	284	1969	0.340	ng		96
23) Atrazine	16.36	200	1354	0.388	ng		95
24) Pentachlorophenol	16.54	266	604	0.352	ng		92
25) Phenanthrene	16.91	178	8794	0.374	ng		99
26) Anthracene	17.00	178	7035	0.360	ng		100
28) Fluoranthene	18.94	202	10209	0.362	ng		99
30) Pyrene	19.31	202	10111	0.459	ng		100
32) Benzo(a)anthracene	21.08	228	7015	0.375	ng		97
33) Chrysene	21.12	228	9134	0.399	ng		99
34) Bis(2-ethylhexyl)phthalate	21.04	149	3712	0.482	ng		97
35) Indeno(1,2,3-cd)pyrene	25.31	276	8413	0.347	ng		100
37) Benzo(b)fluoranthene	22.60	252	7612	0.357	ng		99
38) Benzo(k)fluoranthene	22.64	252	9389	0.390	ng		98
39) Benzo(a)pyrene	23.13	252	6668	0.348	ng		98
40) Dibenzo(a,h)anthracene	25.33	278	6354	0.313	ng		99
41) Benzo(g,h,i)perylene	25.94	276	7350	0.329	ng		99

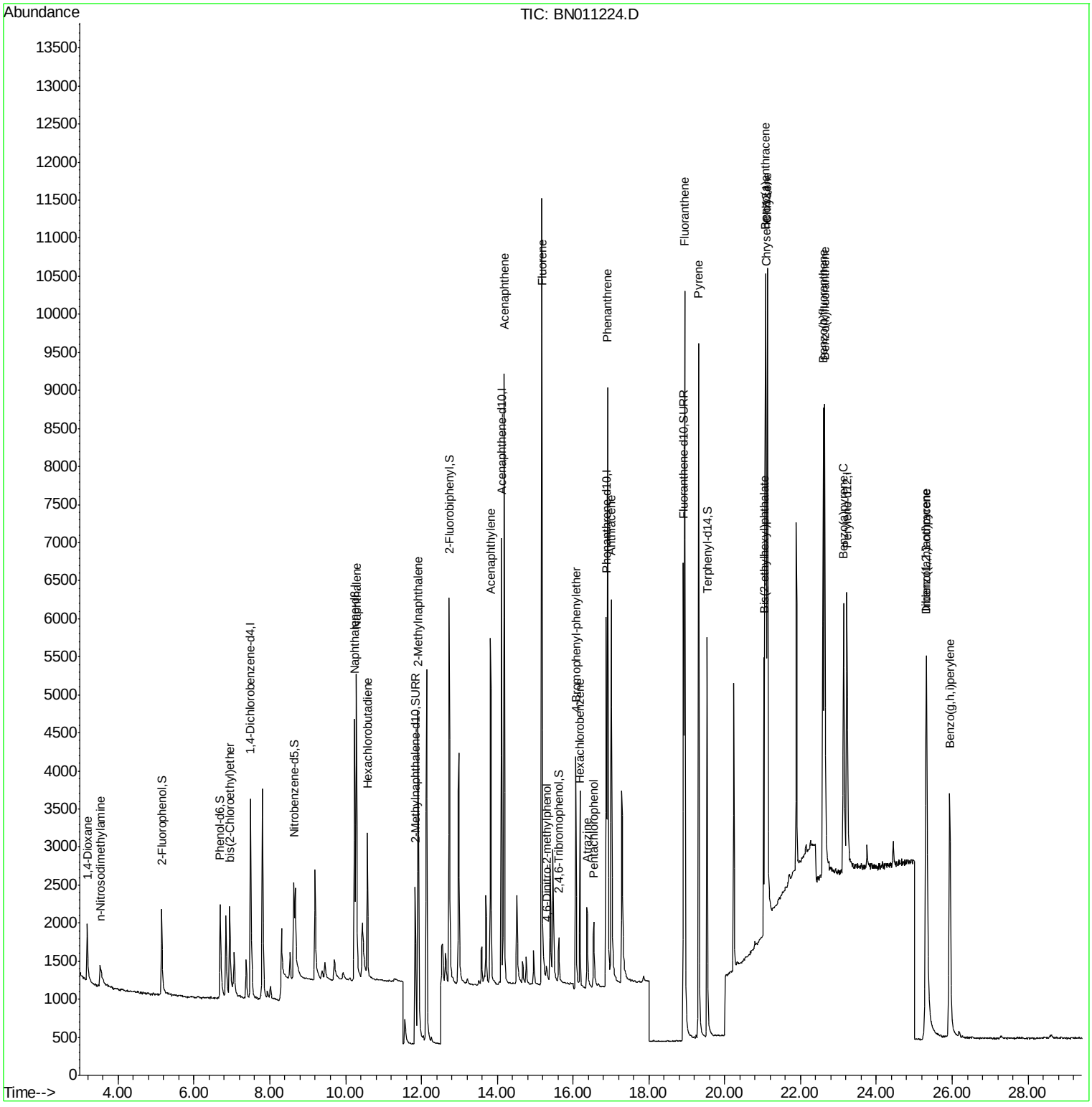
(#) = qualifier out of range (m) = manual integration (+) = signals summed

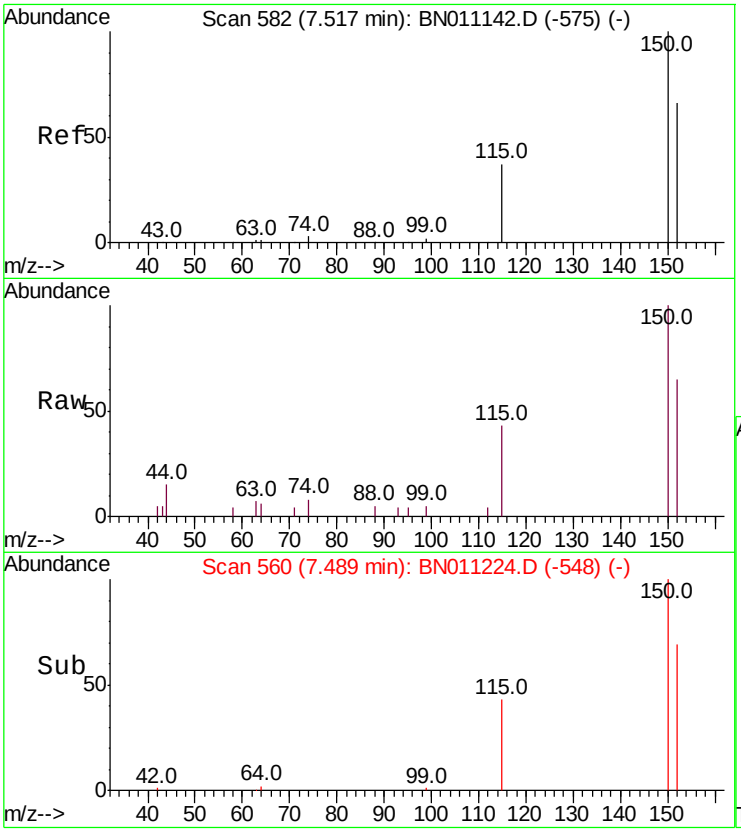
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072320\
Data File : BN011224.D
Acq On : 22 Jul 2020 18:57
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 23 03:55:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 22 19:29:31 2020
Response via : Initial Calibration



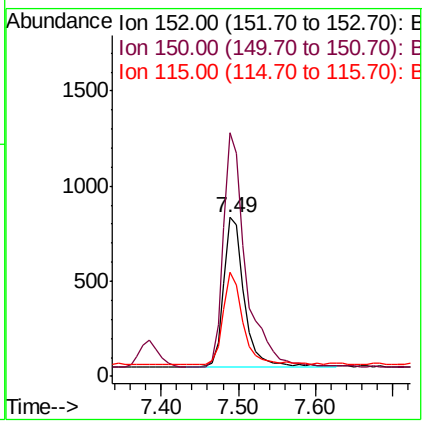


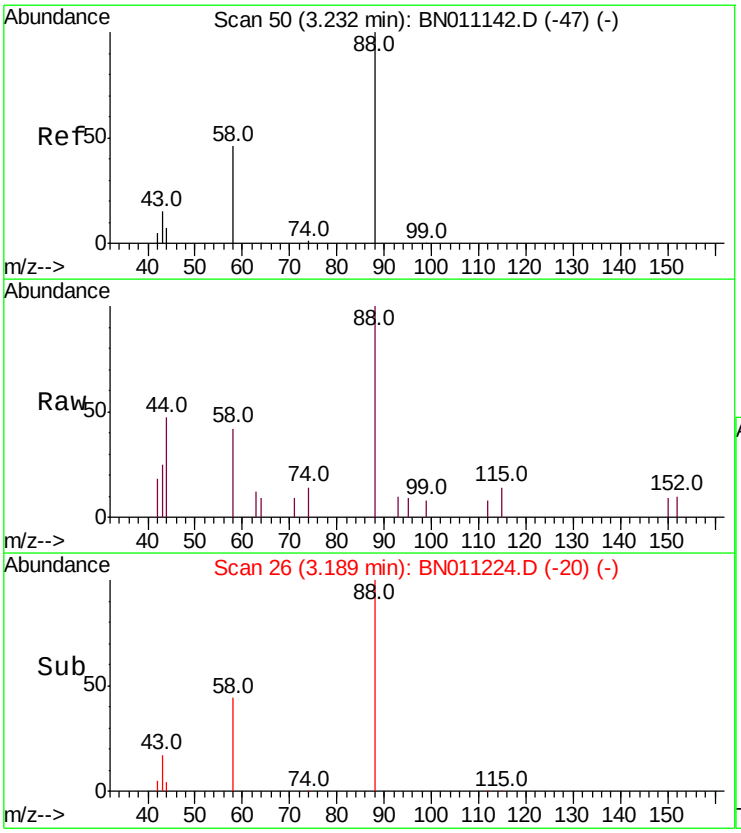
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.49 min Scan# 560
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1443

Ion	Ratio	Lower	Upper
152	100		
150	153.5	119.4	179.0
115	65.7	48.3	72.5

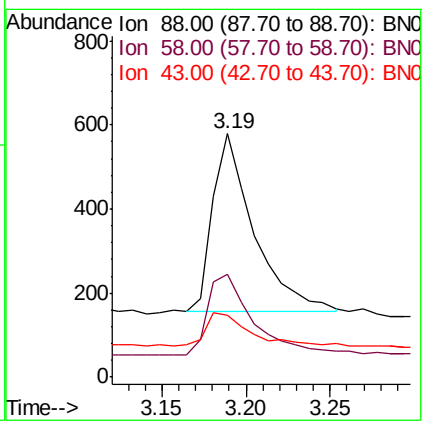


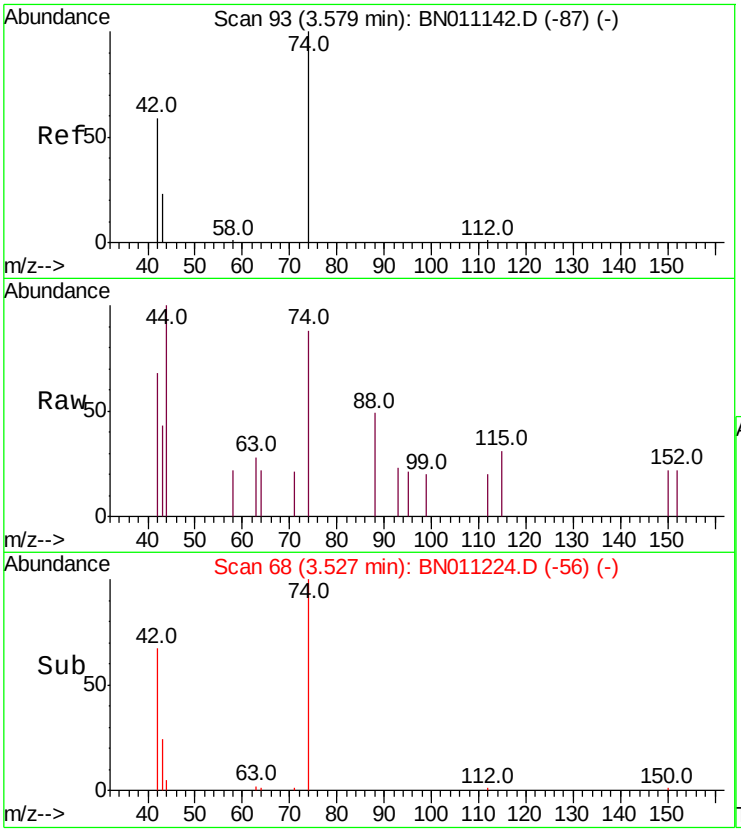


#2
1,4-Dioxane
Concen: 0.345 ng
RT: 3.19 min Scan# 26
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion: 88 Resp: 711

Ion	Ratio	Lower	Upper
88	100		
58	49.6	36.5	54.7
43	20.0	14.3	21.5



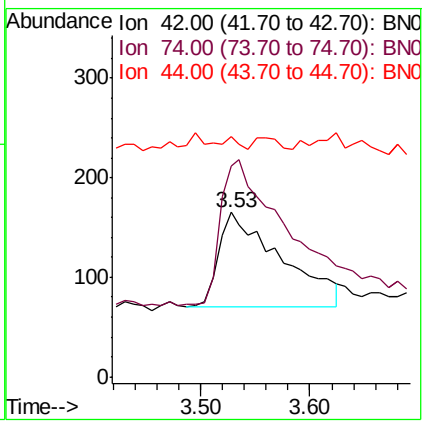


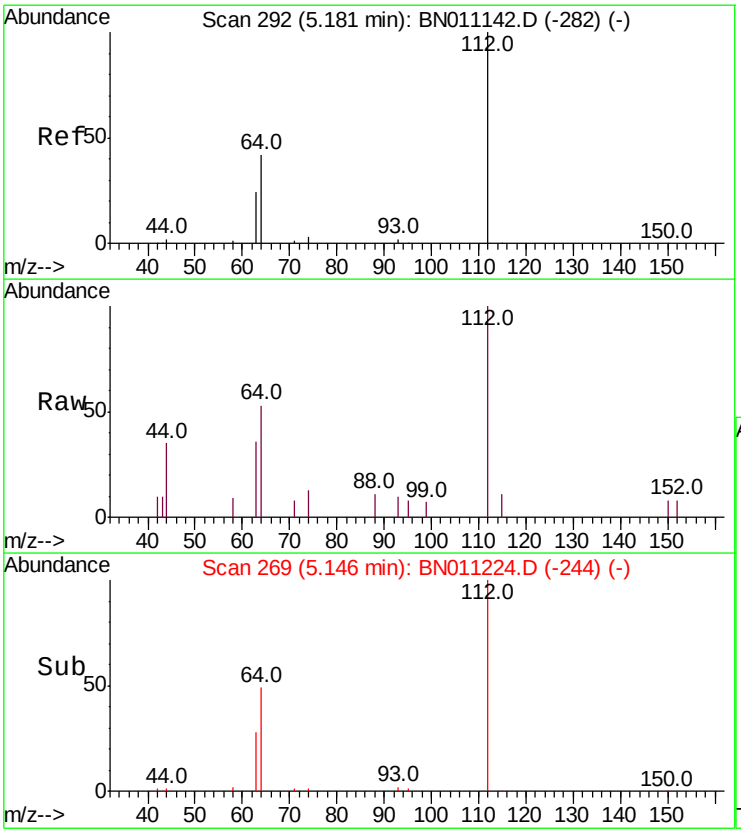
#3
n-Nitrosodimethylamine
Concen: 0.365 ng
RT: 3.53 min Scan# 68
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 379

Ion	Ratio	Lower	Upper
42	100		
74	162.5	140.9	211.3
44	2.4	7.6	11.4#

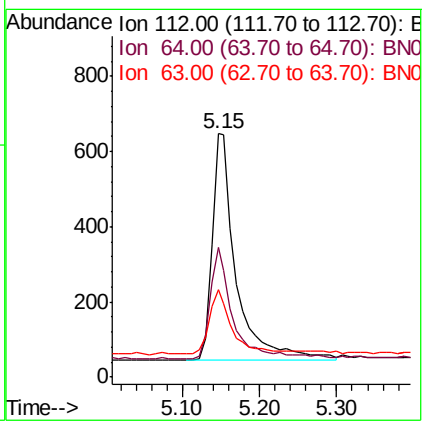


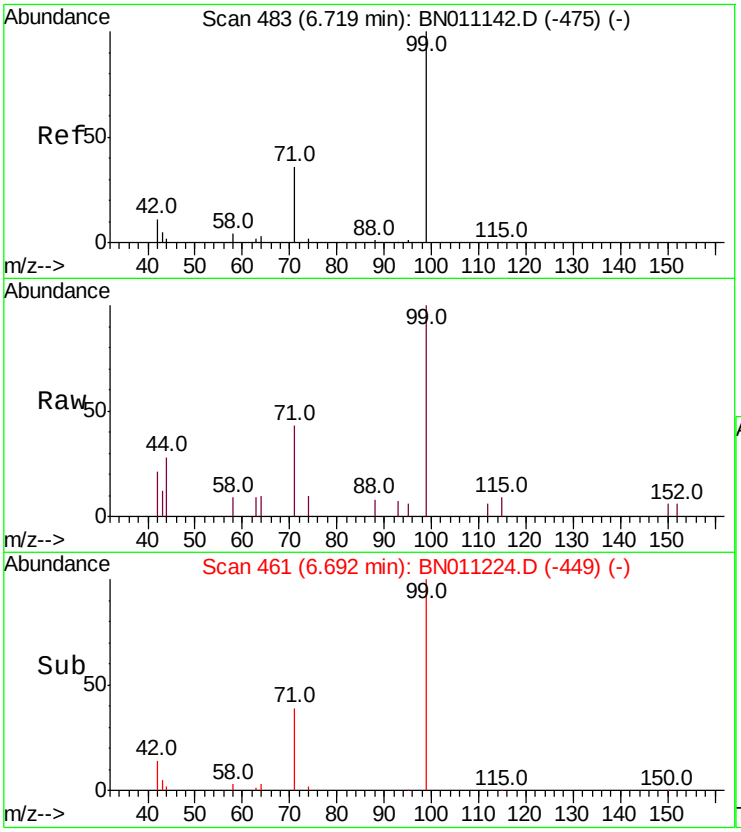


#4
2-Fluorophenol
Concen: 0.366 ng
RT: 5.15 min Scan# 269
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:112 Resp: 1303

Ion	Ratio	Lower	Upper
112	100		
64	46.4	36.7	55.1
63	25.9	20.4	30.6



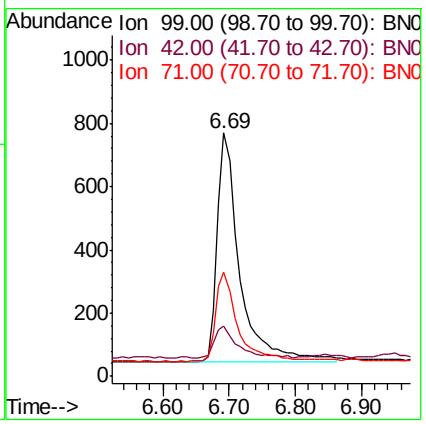


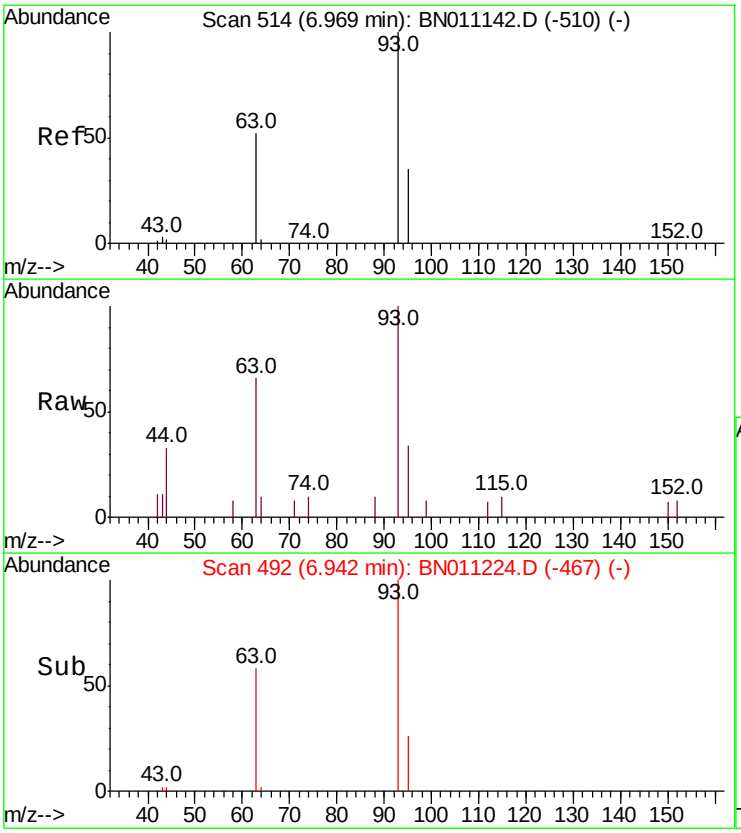
#5
Phenol-d6
Concen: 0.421 ng
RT: 6.69 min Scan# 461
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1694

Ion	Ratio	Lower	Upper
99	100		
42	14.2	10.8	16.2
71	38.7	31.3	46.9

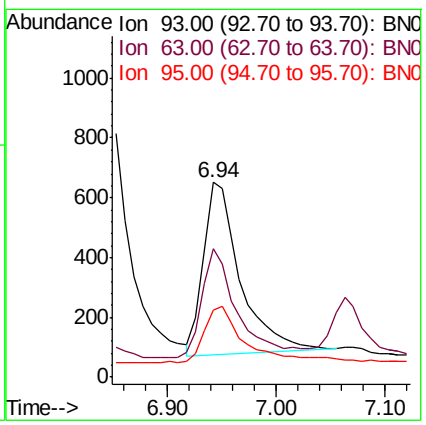


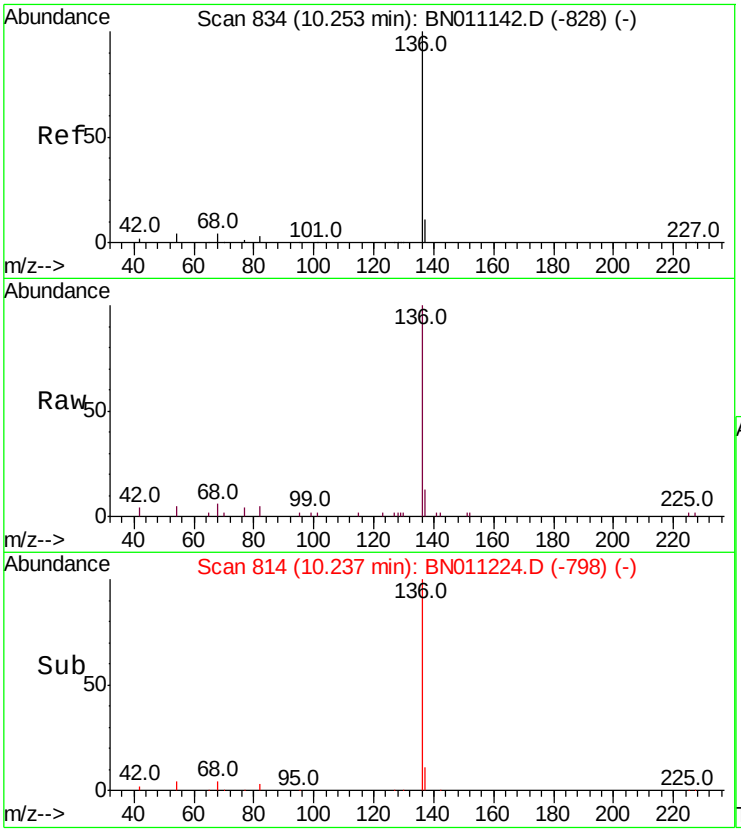


#6
bis(2-Chloroethyl)ether
Concen: 0.369 ng
RT: 6.94 min Scan# 492
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion: 93 Resp: 1358

Ion	Ratio	Lower	Upper
93	100		
63	59.5	47.4	71.0
95	37.5	28.1	42.1



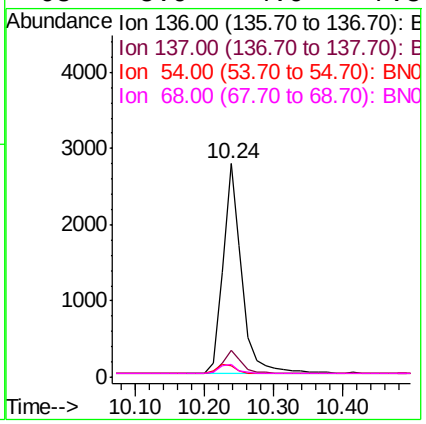


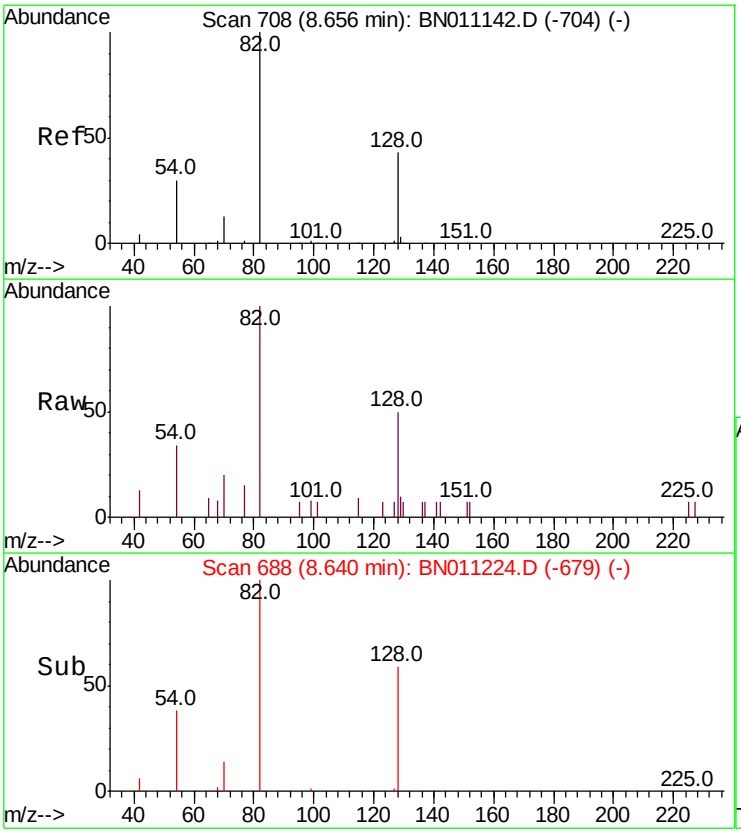
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.24 min Scan# 814
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 5255

Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.3	15.5
54	5.2	4.9	7.3
68	5.9	4.9	7.3

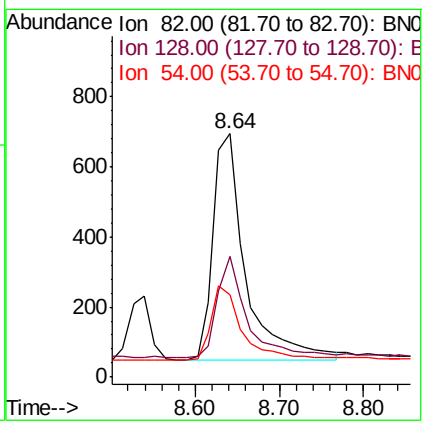


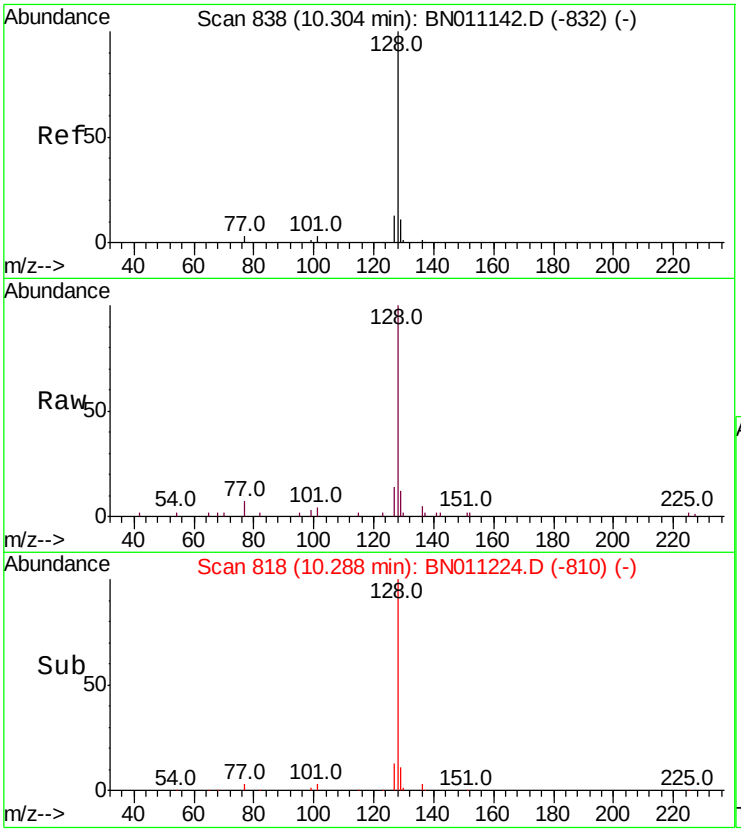


#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 8.64 min Scan# 688
Delta R.T. 0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion: 82 Resp: 1729

Ion	Ratio	Lower	Upper
82	100		
128	49.6	38.1	57.1
54	33.8	27.1	40.7



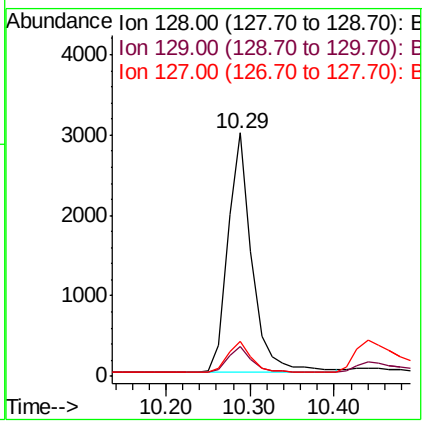


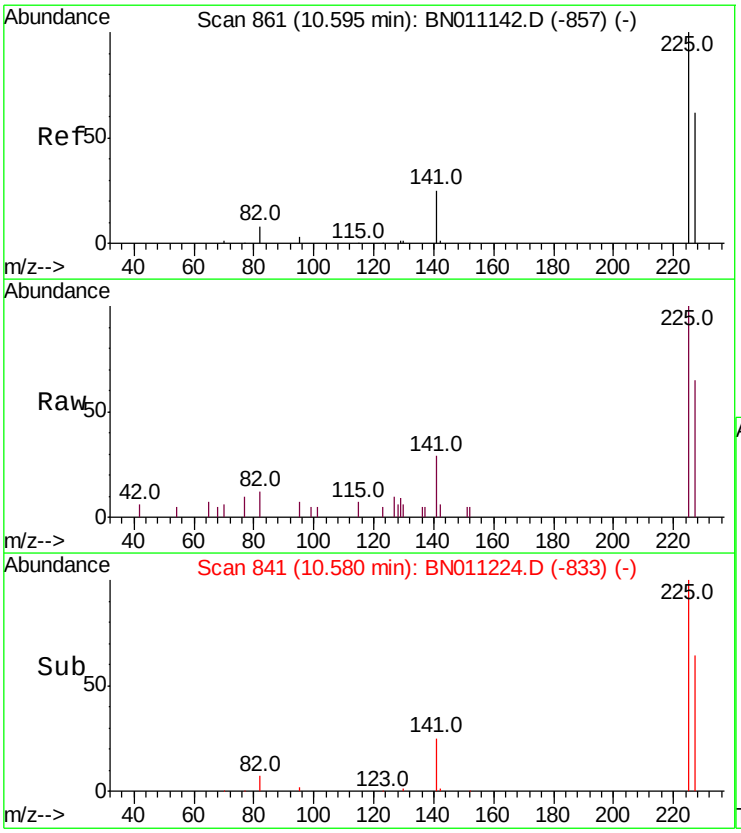
#9
Naphthalene
Concen: 0.377 ng
RT: 10.29 min Scan# 818
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 5896

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.8	14.6
127	14.2	11.8	17.6

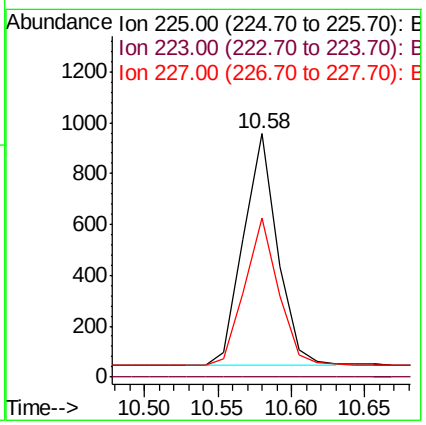


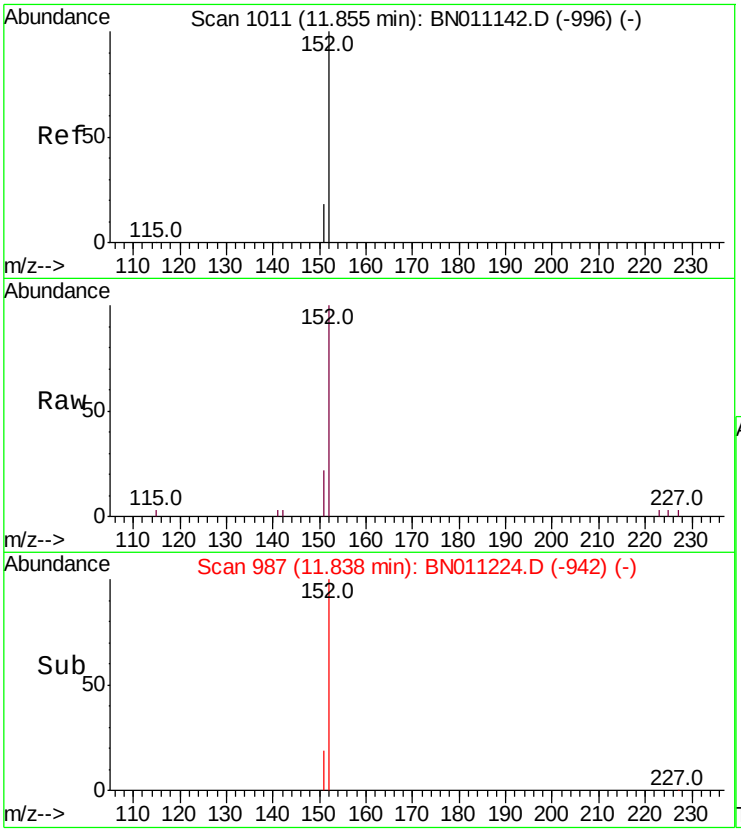


#10
Hexachlorobutadiene
Concen: 0.378 ng
RT: 10.58 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:225 Resp: 1465

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.2	76.8



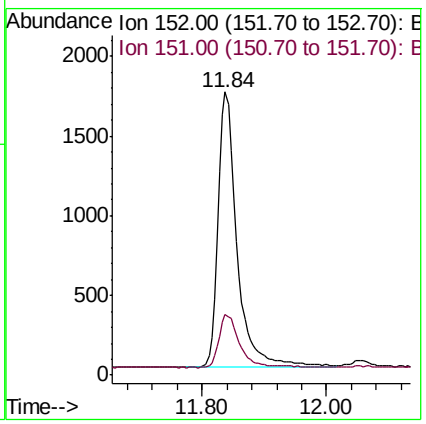


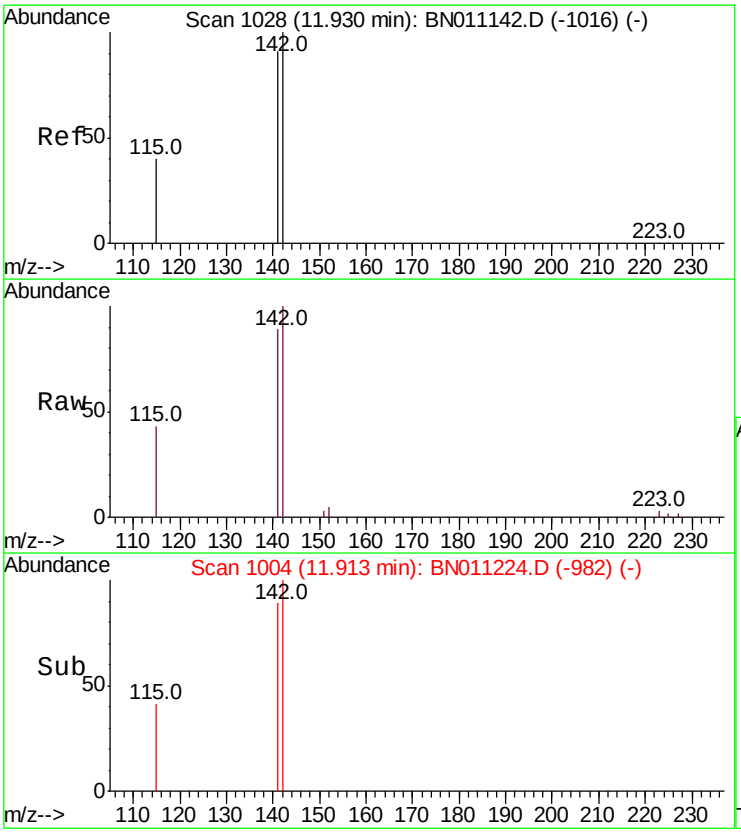
#11
2-Methylnaphthalene-d10
Concen: 0.435 ng
RT: 11.84 min Scan# 987
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3708

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.5	24.7

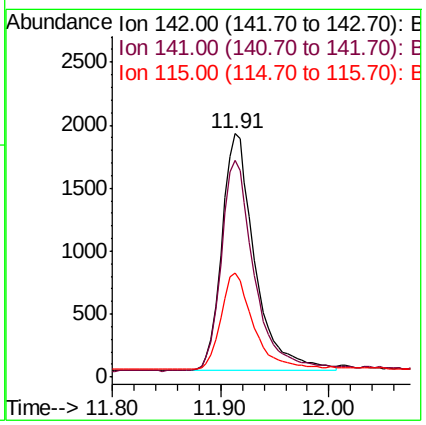


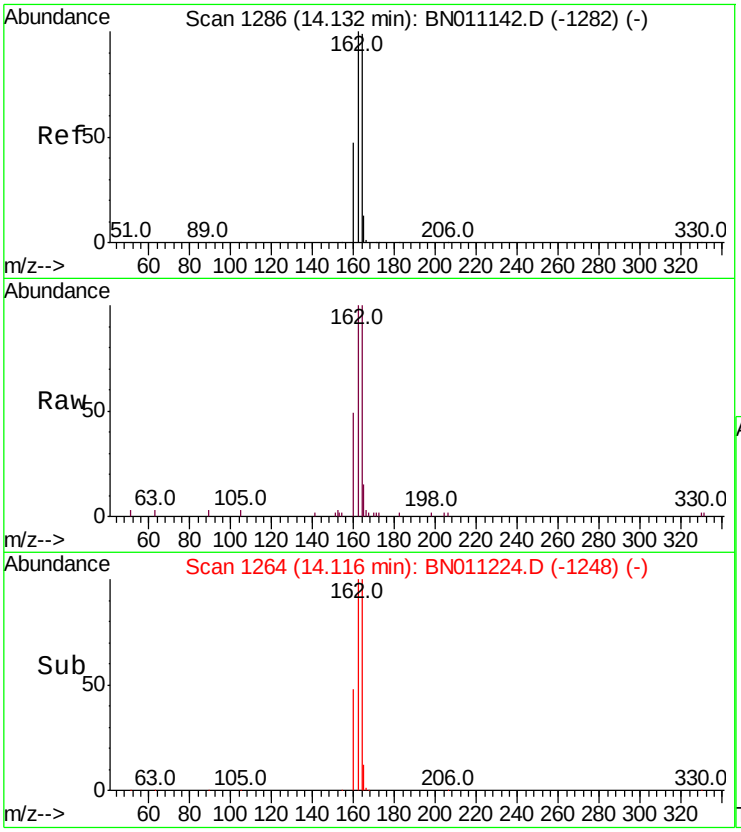


#12
2-Methylnaphthalene
Concen: 0.406 ng
RT: 11.91 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:142 Resp: 3993

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.7	109.1
115	42.8	33.8	50.6



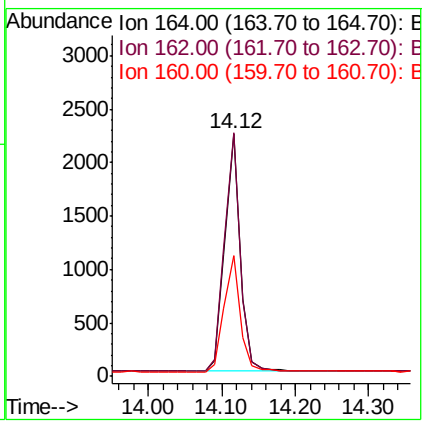


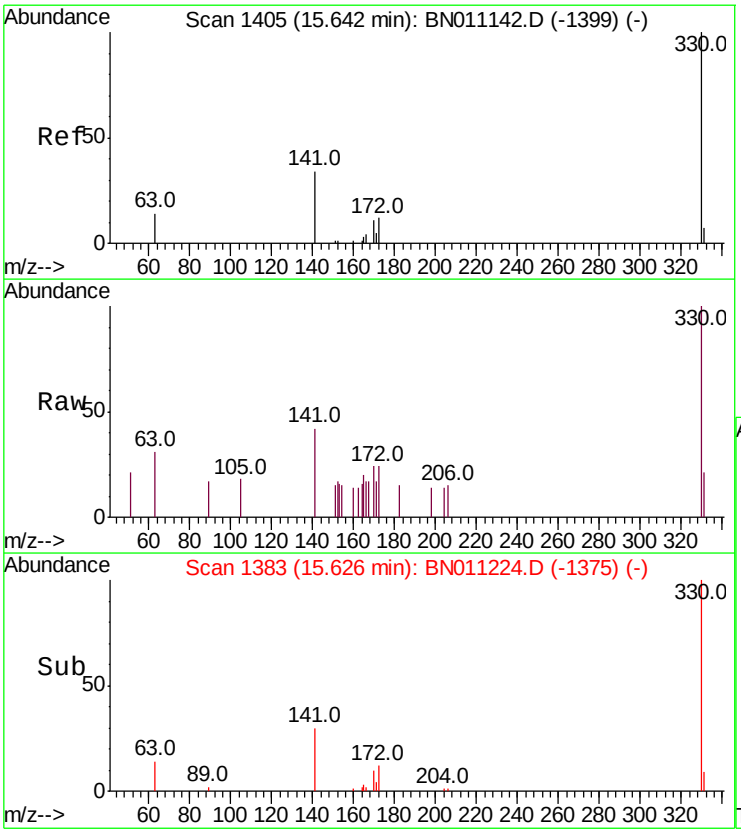
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.12 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3247

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.4
160	49.5	39.0	58.6

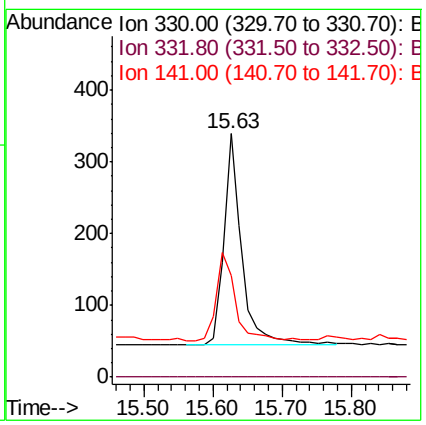


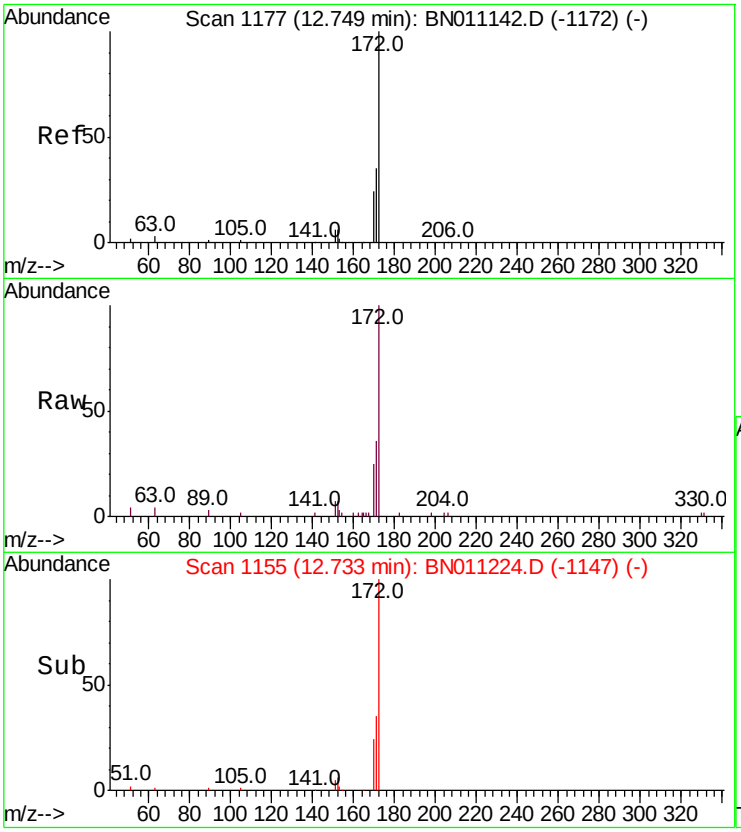


#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 15.63 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:330 Resp: 544

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.8	31.5	47.3



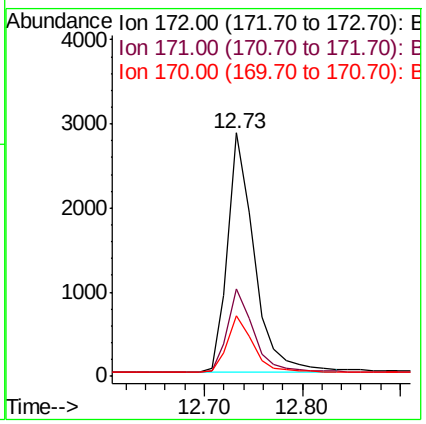


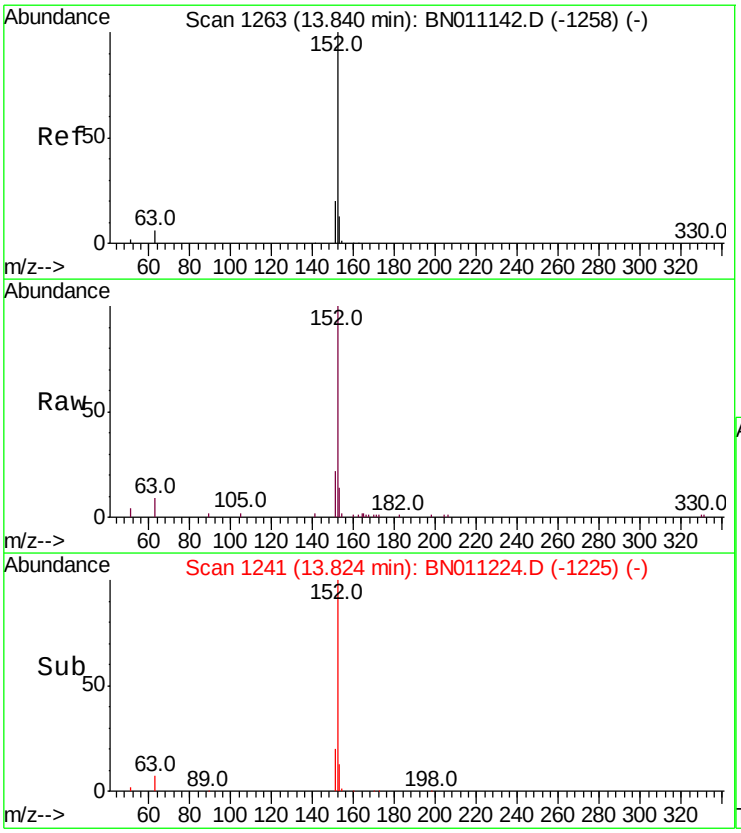
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.73 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5386

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	24.9	20.3	30.5

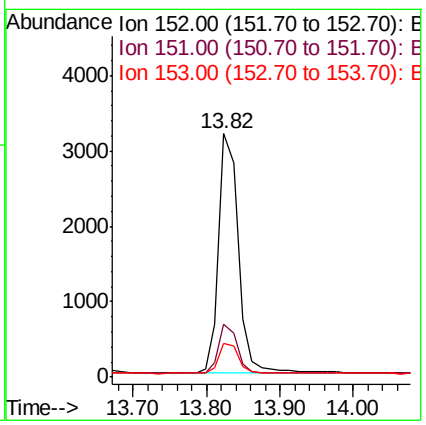


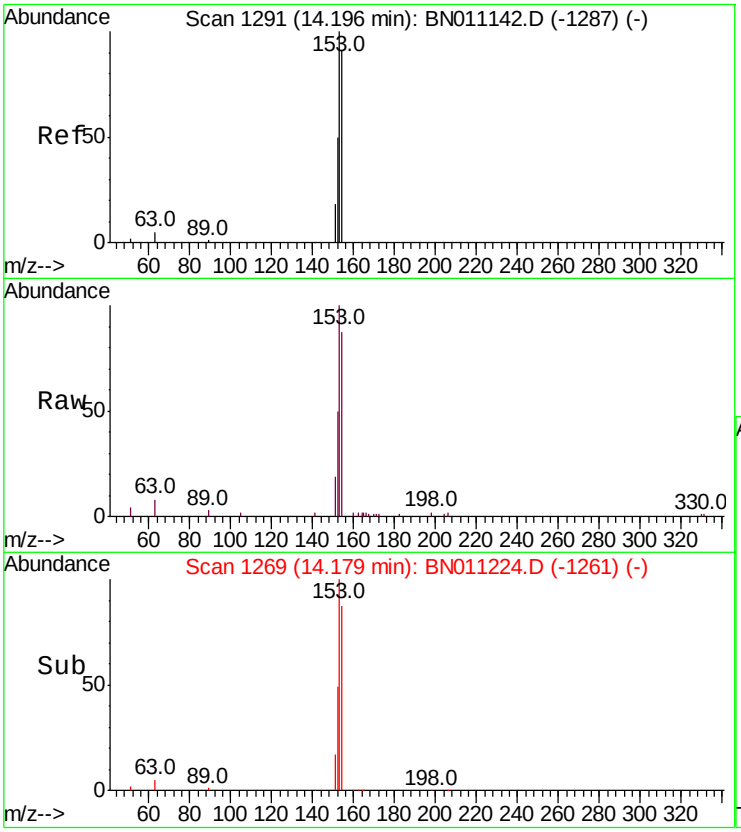


#16
Acenaphthylene
Concen: 0.360 ng
RT: 13.82 min Scan# 1241
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:152 Resp: 5948

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.3	10.6	15.8



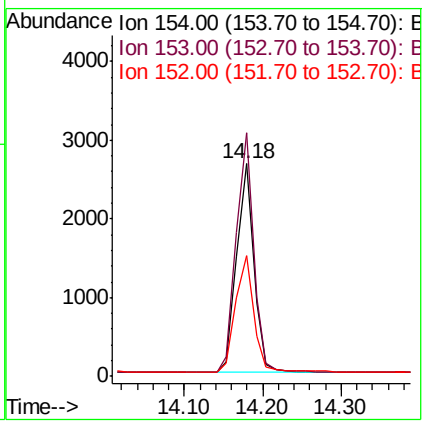


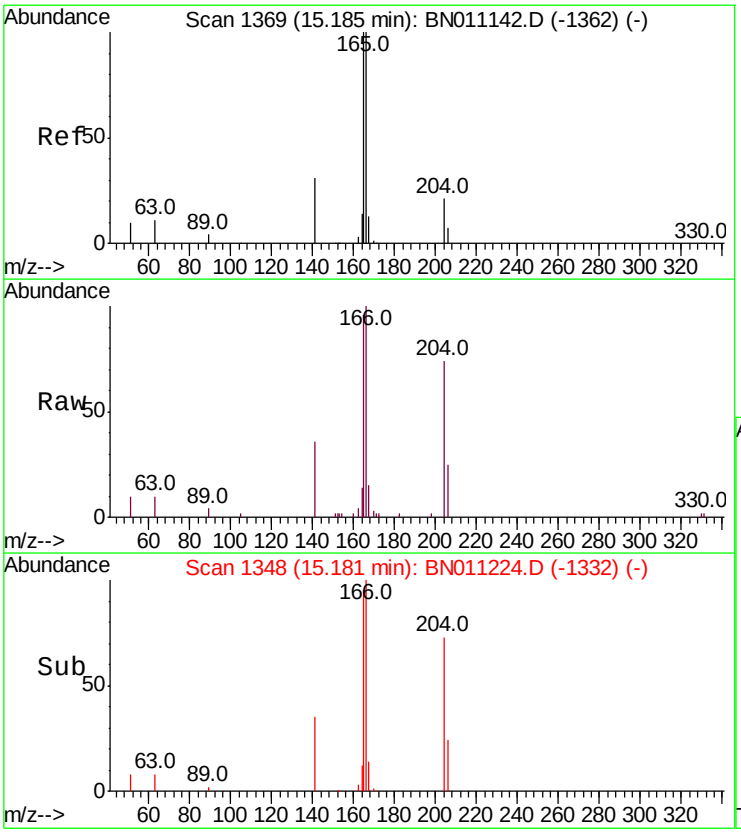
#17
Acenaphthene
Concen: 0.365 ng
RT: 14.18 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4027

Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.3	136.9
152	60.1	46.6	69.8

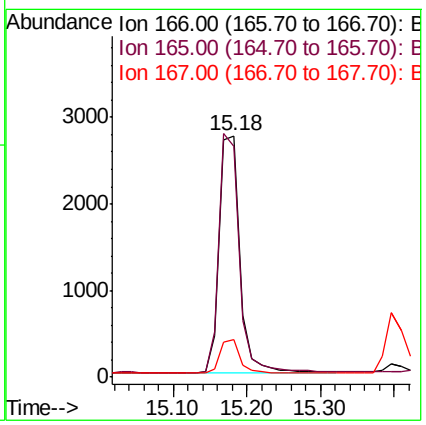


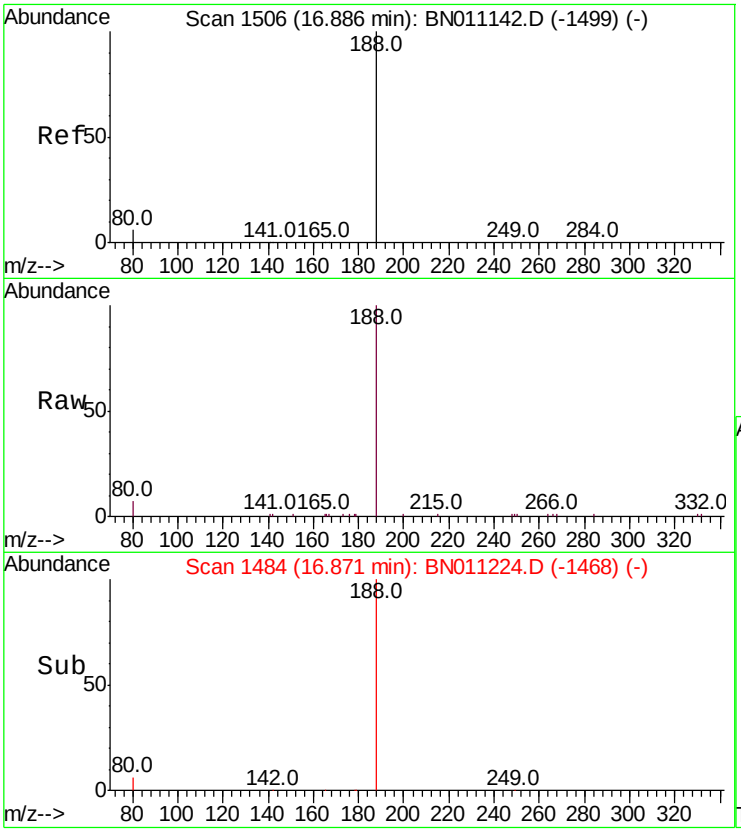


#18
Fluorene
Concen: 0.376 ng
RT: 15.18 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:166 Resp: 5316

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.1	118.7
167	13.5	10.5	15.7



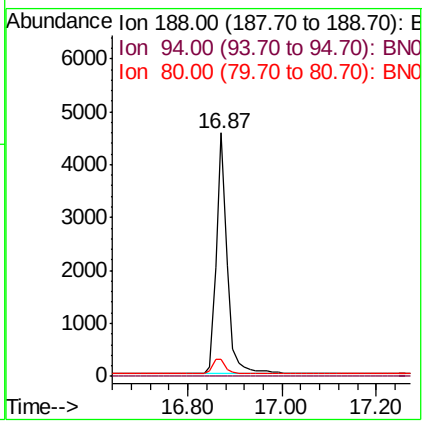


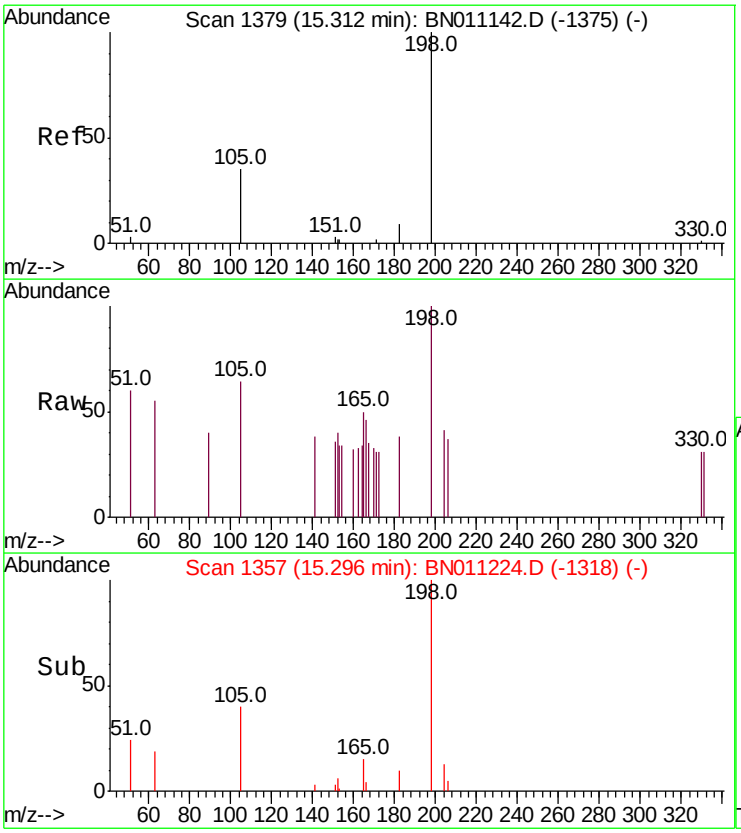
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.87 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 7318

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.2	6.3	9.5

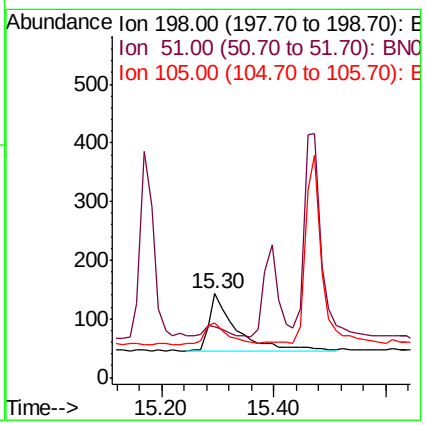


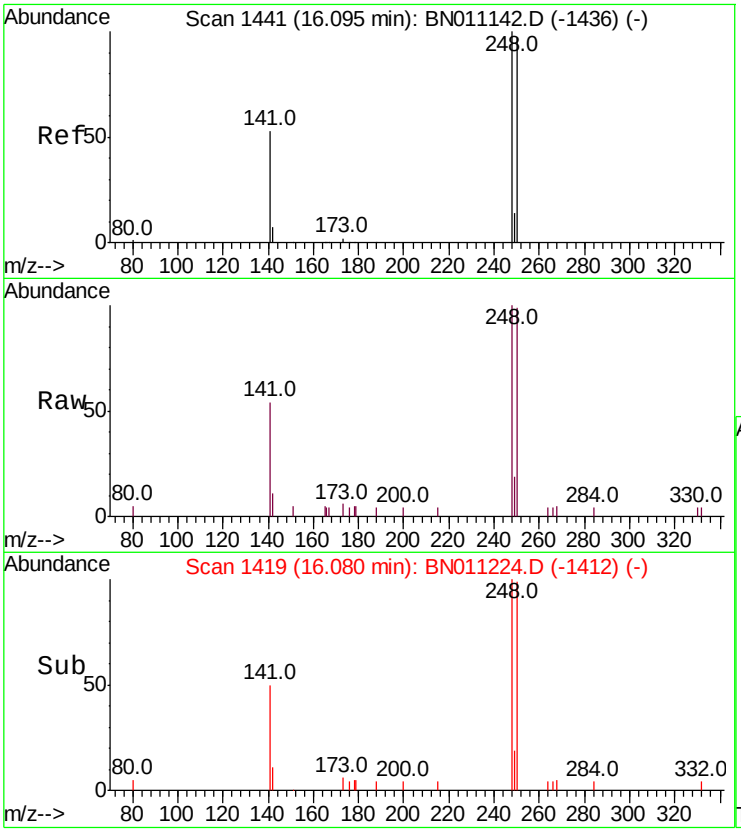


#20
4,6-Dinitro-2-methylphenol
Concen: 0.374 ng
RT: 15.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:198 Resp: 329

Ion	Ratio	Lower	Upper
198	100		
51	60.1	53.1	79.7
105	64.3	51.9	77.9



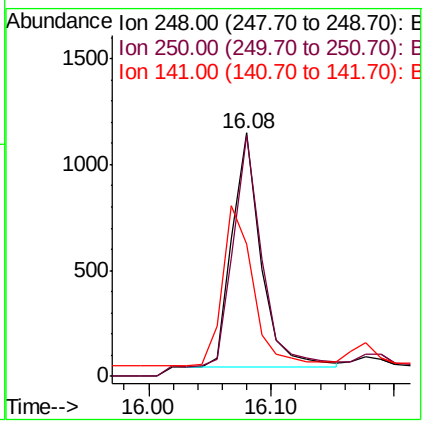


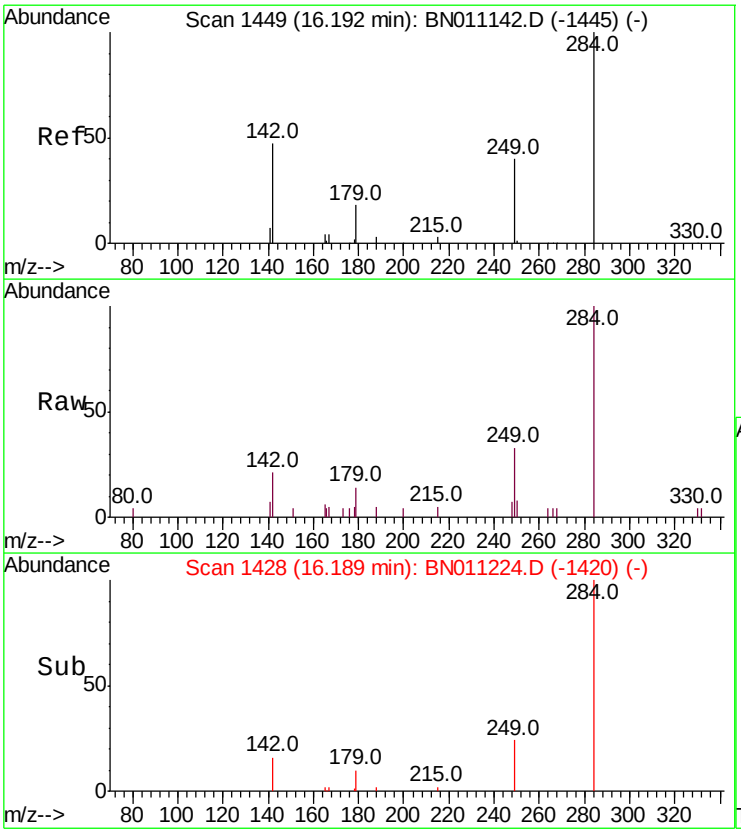
#21
4-Bromophenyl-phenylether
Concen: 0.361 ng
RT: 16.08 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 1797

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.4	117.6
141	54.5	45.1	67.7

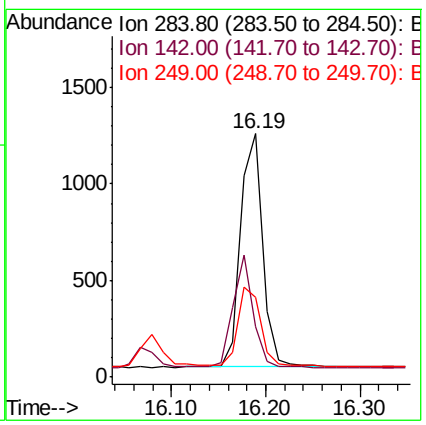


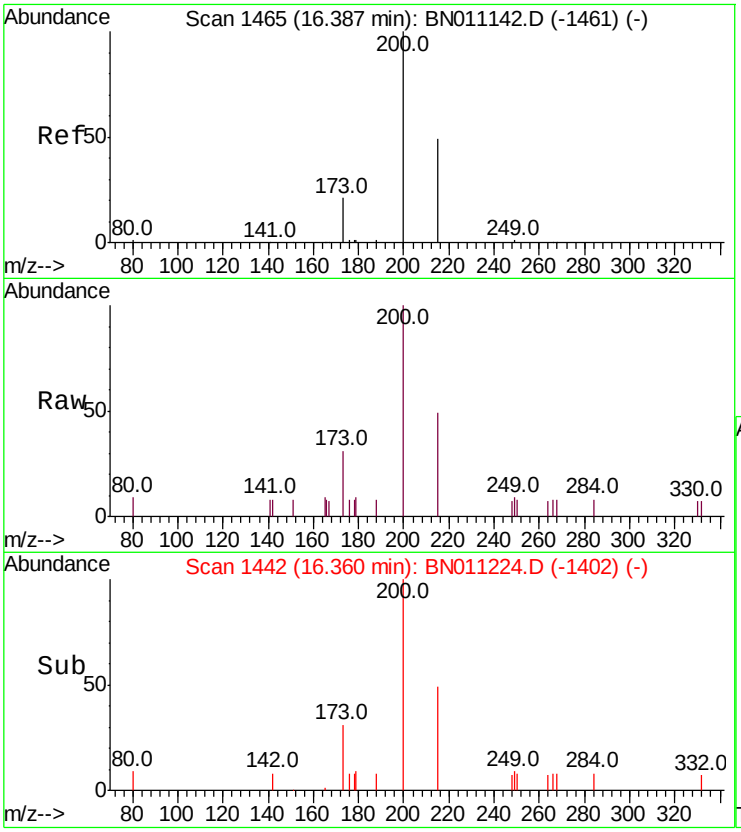


#22
Hexachlorobenzene
Concen: 0.340 ng
RT: 16.19 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:284 Resp: 1969

Ion	Ratio	Lower	Upper
284	100		
142	44.6	32.6	48.8
249	34.7	28.4	42.6



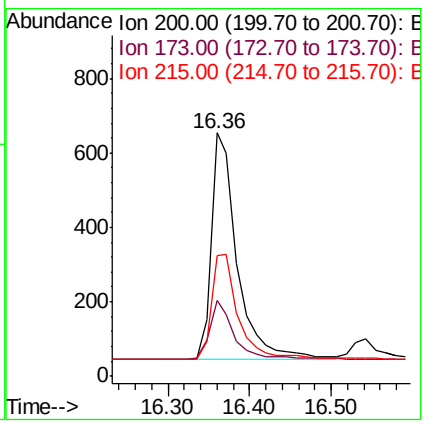


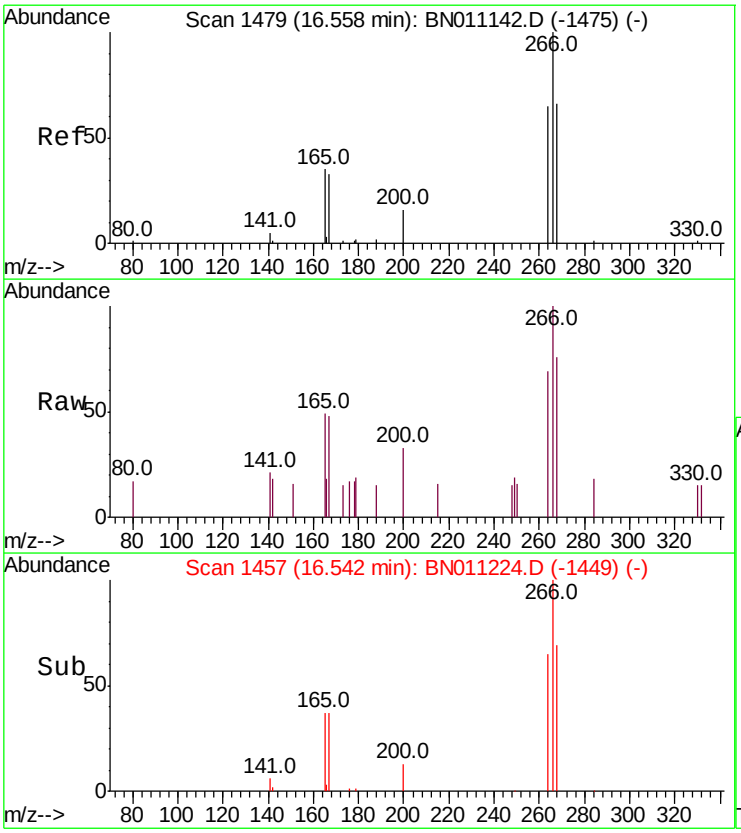
#23
Atrazine
Concen: 0.388 ng
RT: 16.36 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1354

Ion	Ratio	Lower	Upper
200	100		
173	31.0	23.0	34.4
215	49.4	42.6	63.8

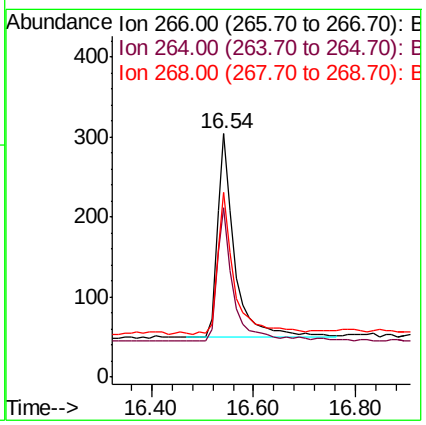


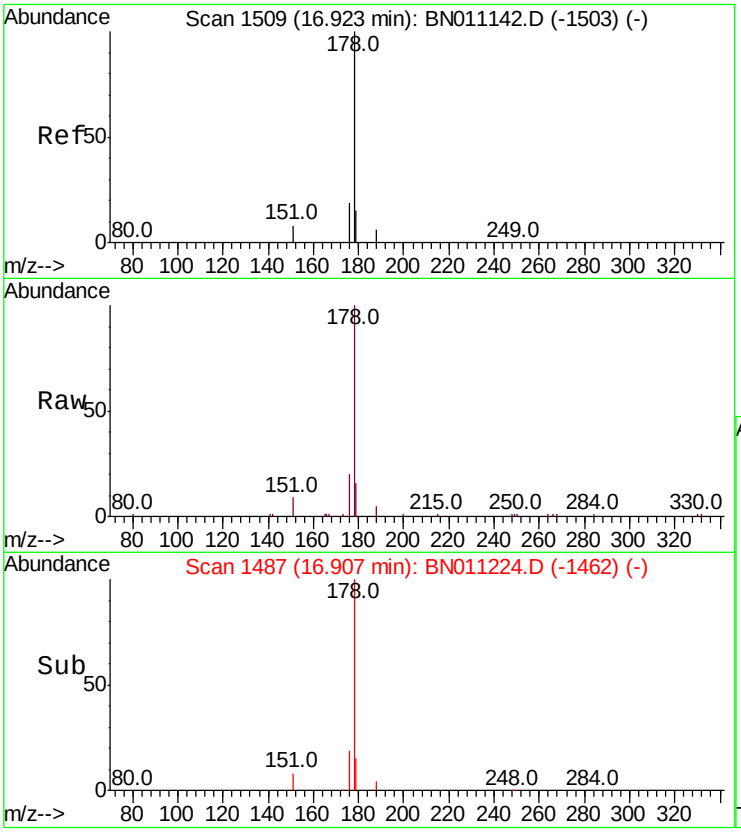


#24
Pentachlorophenol
Concen: 0.352 ng
RT: 16.54 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:266 Resp: 604

Ion	Ratio	Lower	Upper
266	100		
264	60.1	52.5	78.7
268	67.7	48.9	73.3



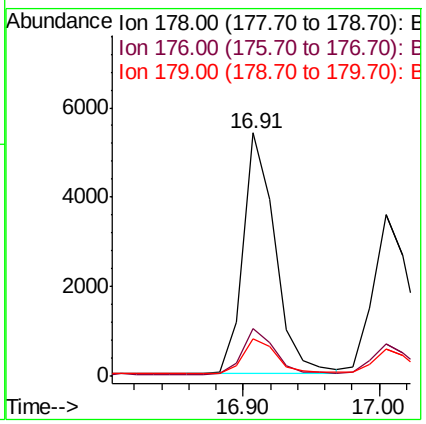


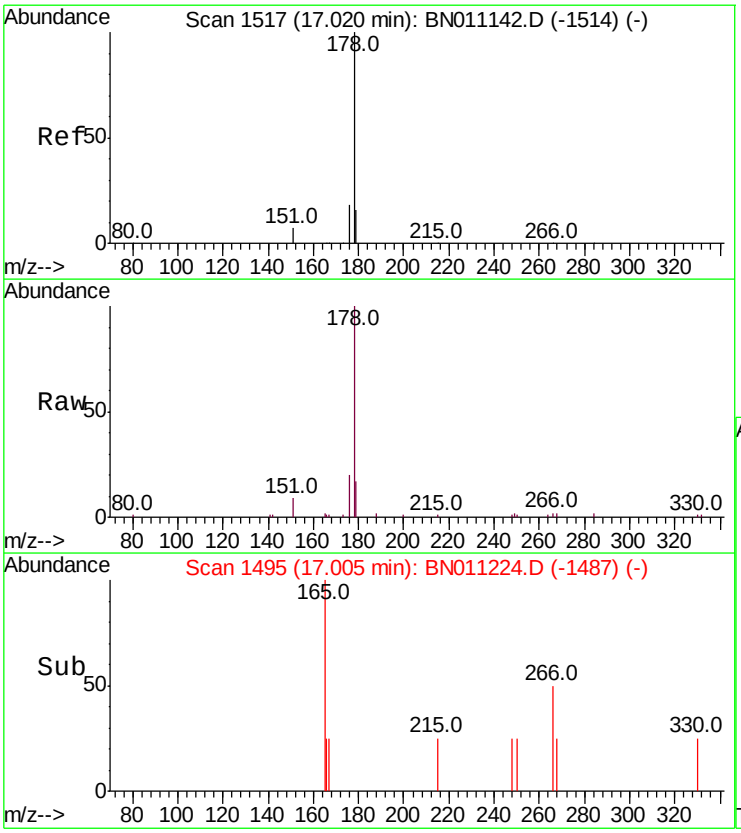
#25
Phenanthrene
Concen: 0.374 ng
RT: 16.91 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8794

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.6	18.8

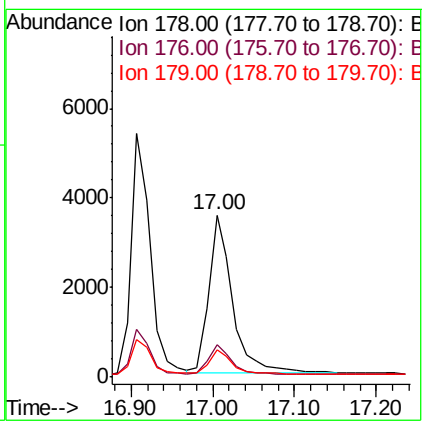


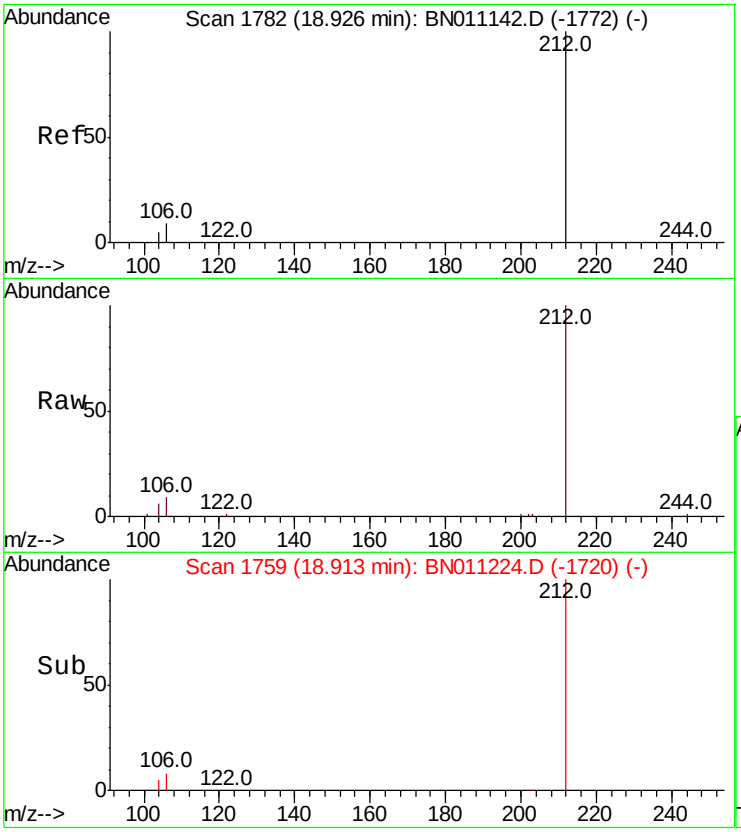


#26
Anthracene
Concen: 0.360 ng
RT: 17.00 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:178 Resp: 7035

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.2	12.0	18.0



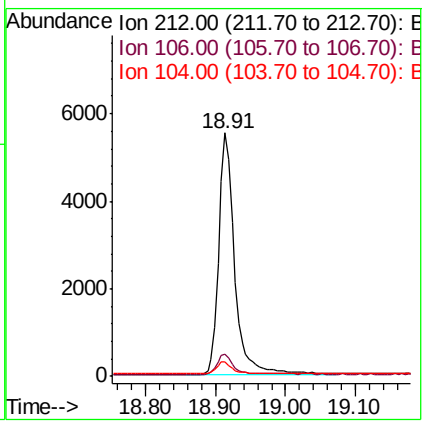


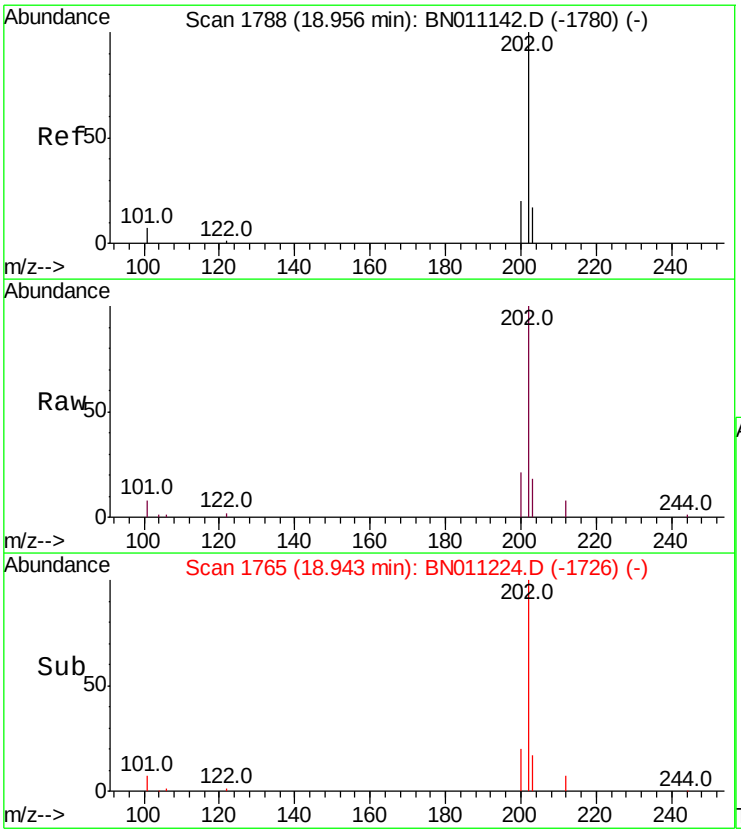
#27
Fluoranthene-d10
Concen: 0.374 ng
RT: 18.91 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 8629

Ion	Ratio	Lower	Upper
212	100		
106	8.5	7.0	10.6
104	5.1	4.2	6.4

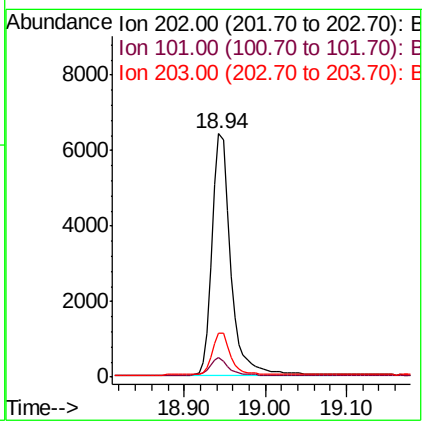


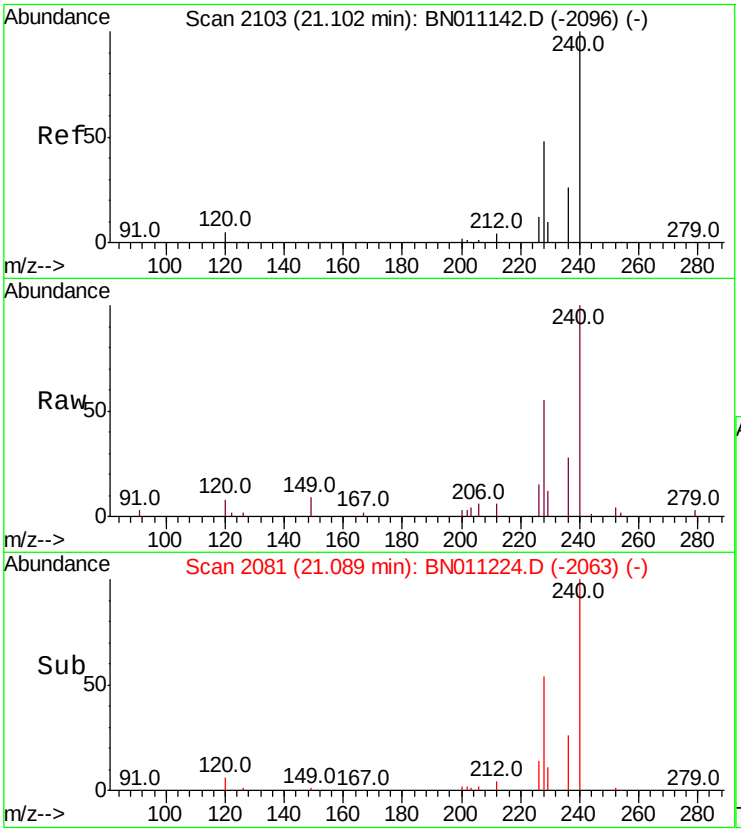


#28
Fluoranthene
Concen: 0.362 ng
RT: 18.94 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:202 Resp: 10209

Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.9	8.9
203	16.8	13.6	20.4



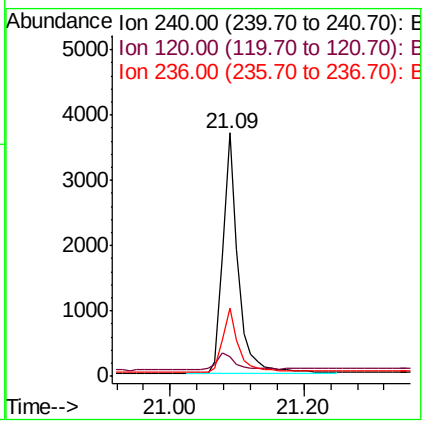


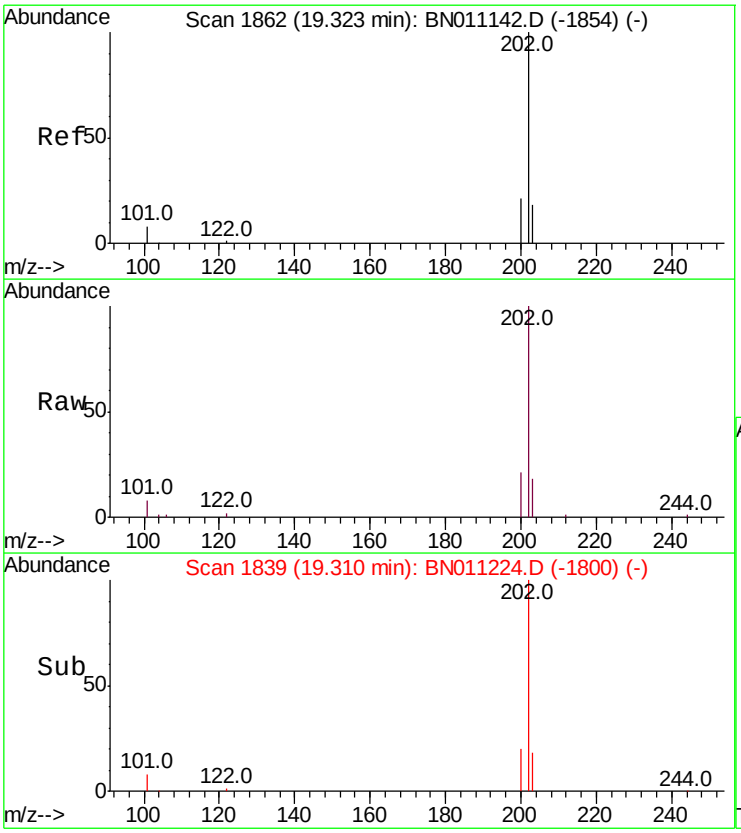
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.09 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5774

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	27.9	21.9	32.9

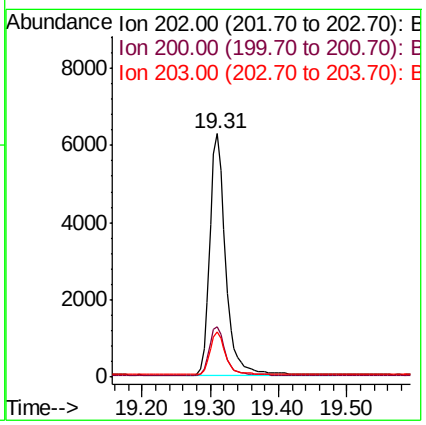


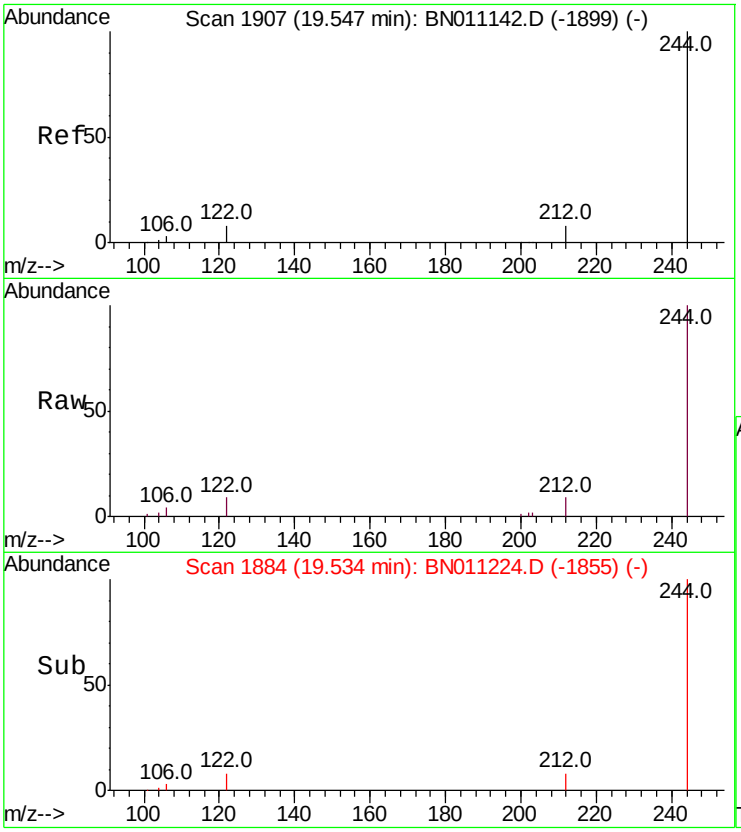


#30
Pyrene
Concen: 0.459 ng
RT: 19.31 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:202 Resp: 10111

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.5	14.2	21.4



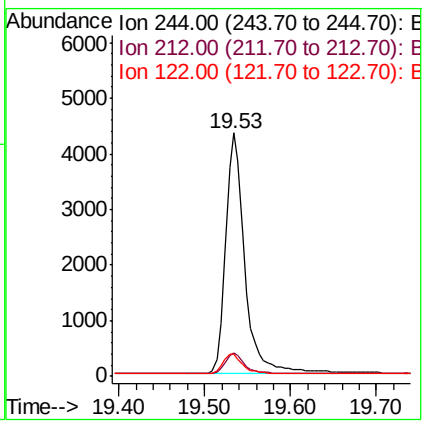


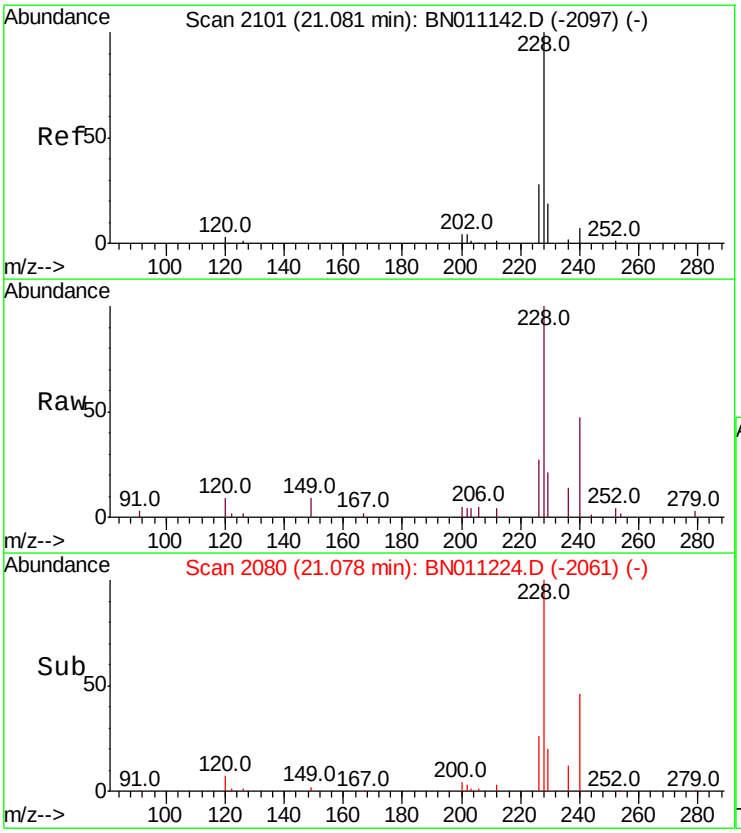
#31
Terphenyl-d14
Concen: 0.447 ng
RT: 19.53 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6712

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.8	11.6
122	9.4	7.4	11.0

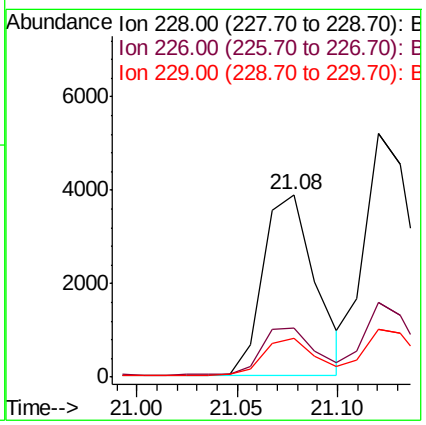


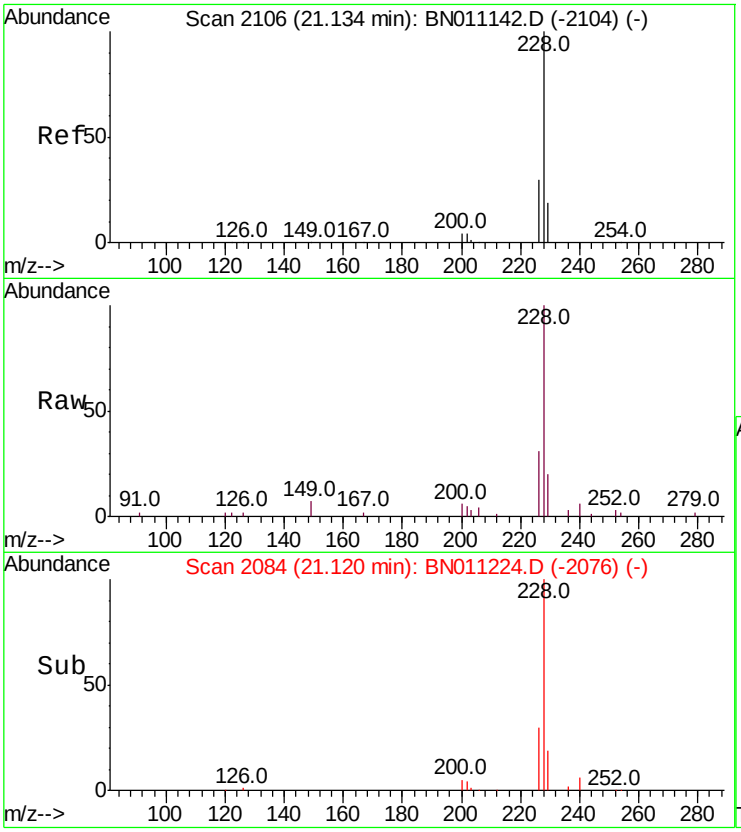


#32
Benzo(a)anthracene
Concen: 0.375 ng
RT: 21.08 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:228 Resp: 7015

Ion	Ratio	Lower	Upper
228	100		
226	26.7	23.2	34.8
229	21.4	16.2	24.4



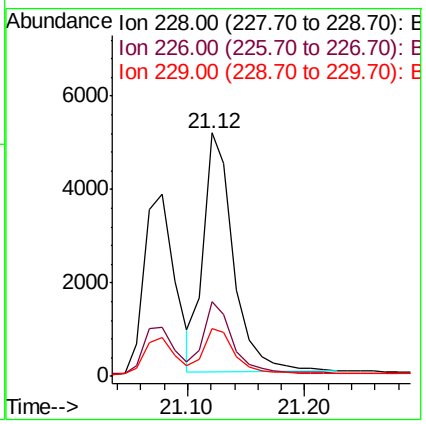


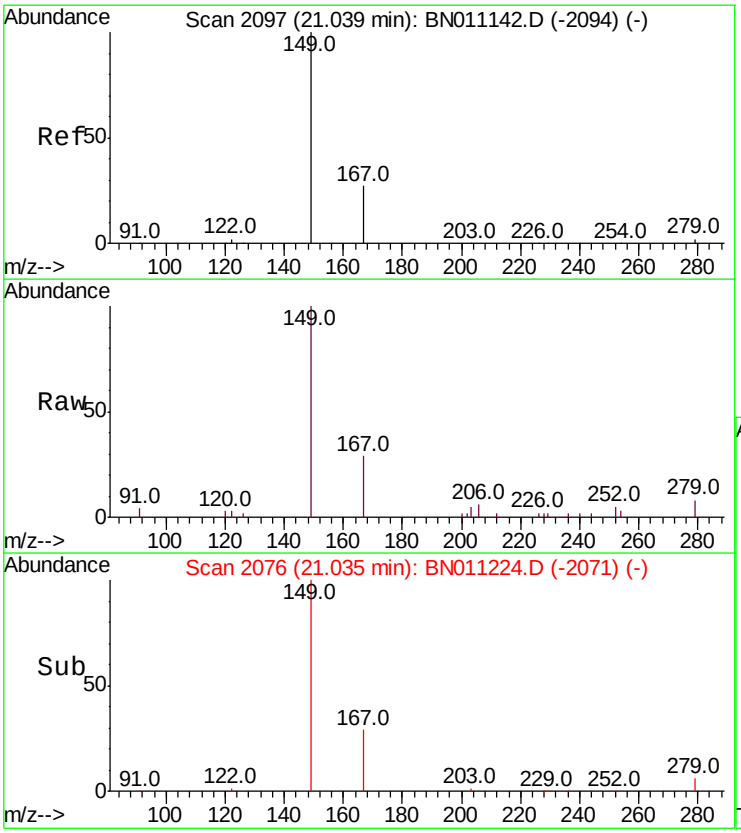
#33
Chrysene
Concen: 0.399 ng
RT: 21.12 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 9134

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	19.9	16.2	24.4

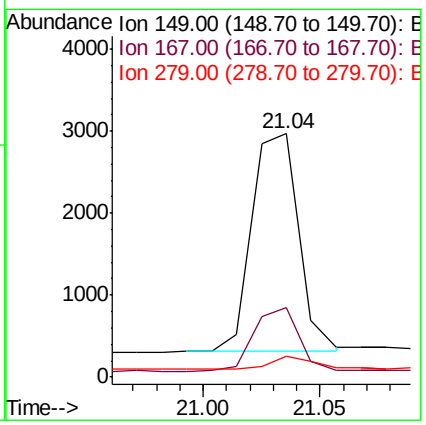


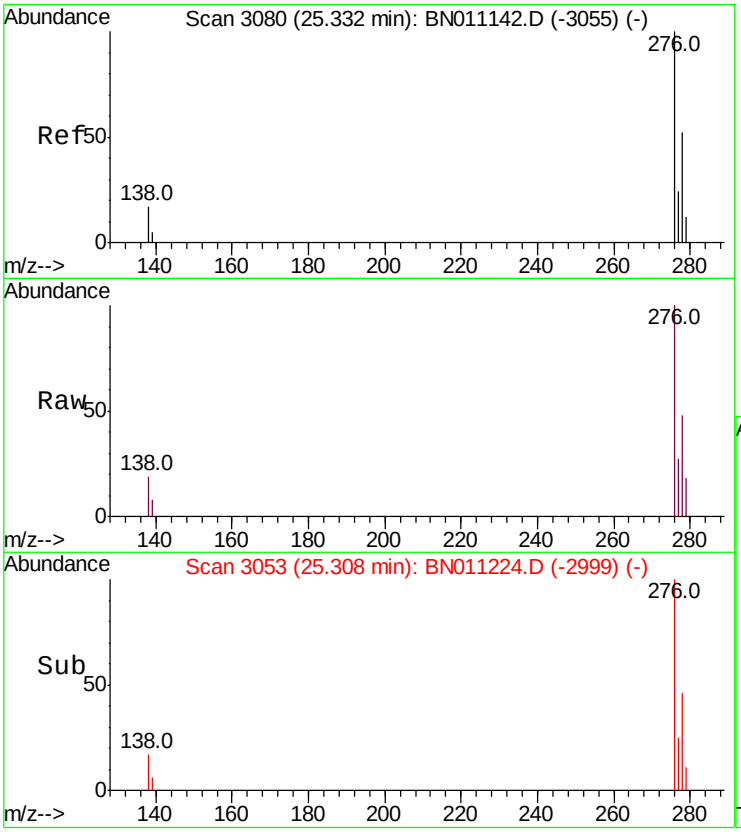


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.482 ng
RT: 21.04 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:149 Resp: 3712

Ion	Ratio	Lower	Upper
149	100		
167	27.7	23.4	35.0
279	4.8	4.5	6.7



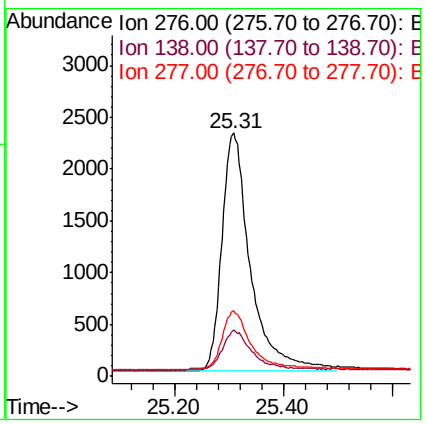


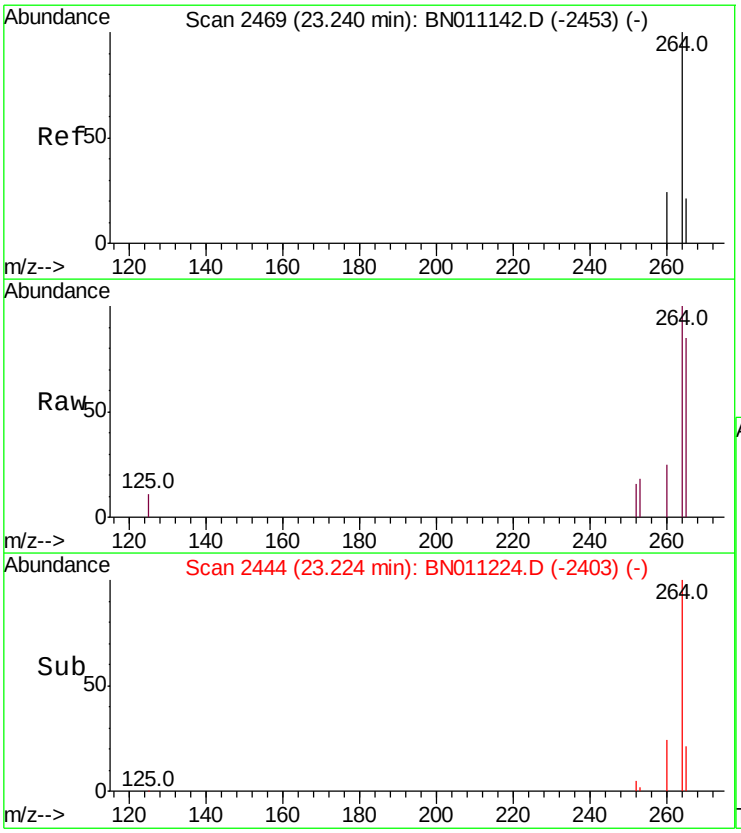
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.347 ng
RT: 25.31 min Scan# 3053
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 8413

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.0	19.6
277	24.6	19.7	29.5

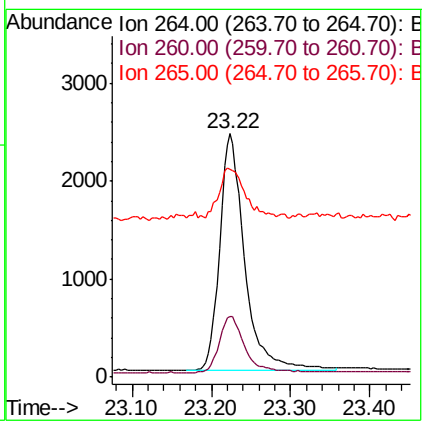


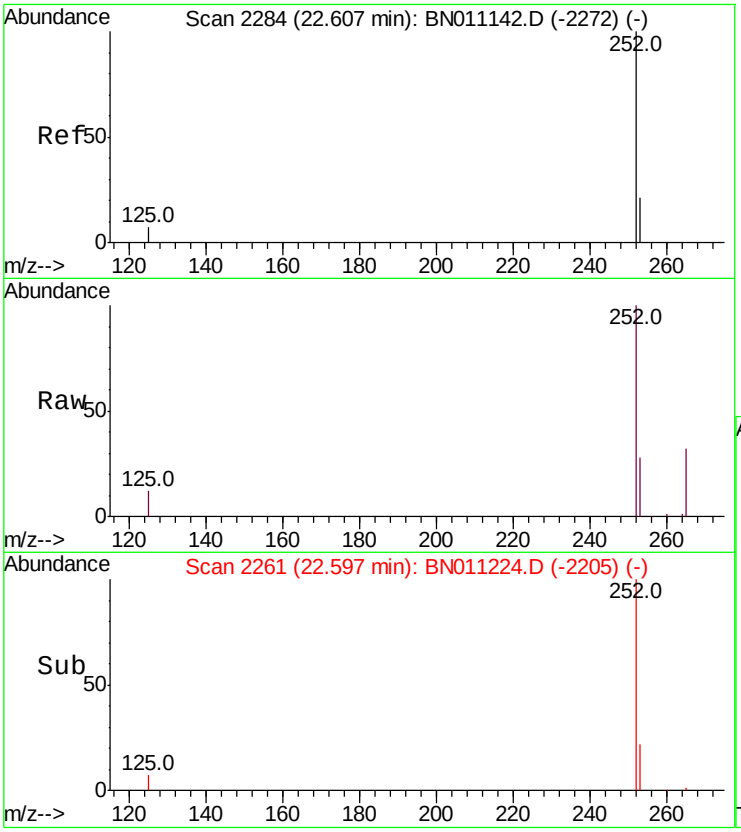


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:264 Resp: 5304

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	85.4	76.6	115.0



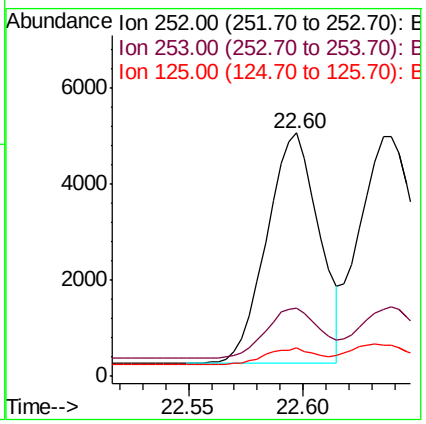


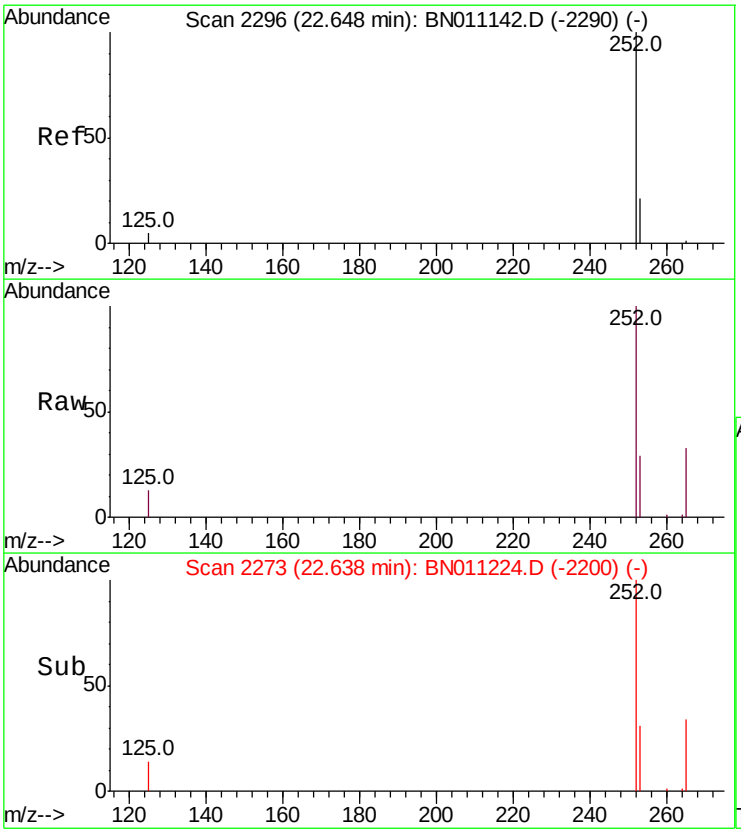
#37
Benzo(b)fluoranthene
Concen: 0.357 ng
RT: 22.60 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7612

Ion	Ratio	Lower	Upper
252	100		
253	28.0	22.6	34.0
125	11.6	9.6	14.4

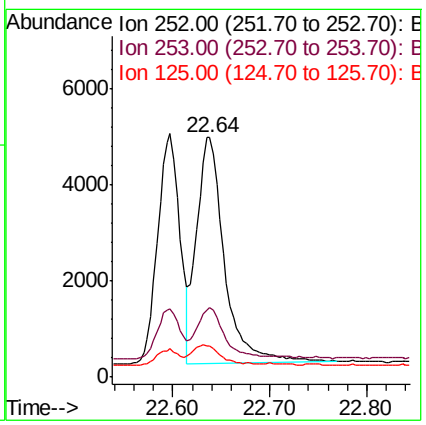


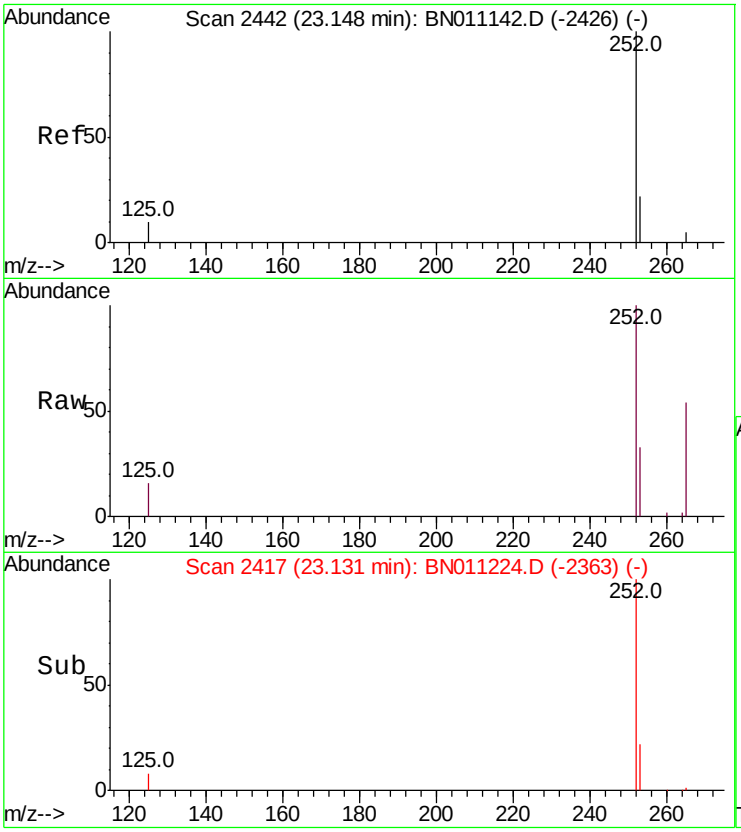


#38
Benzo(k)fluoranthene
Concen: 0.390 ng
RT: 22.64 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:252 Resp: 9389

Ion	Ratio	Lower	Upper
252	100		
253	29.1	22.2	33.4
125	13.1	11.0	16.4



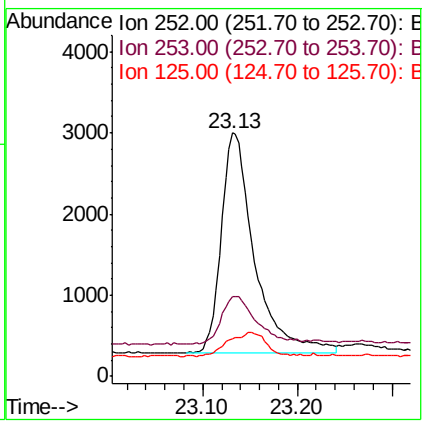


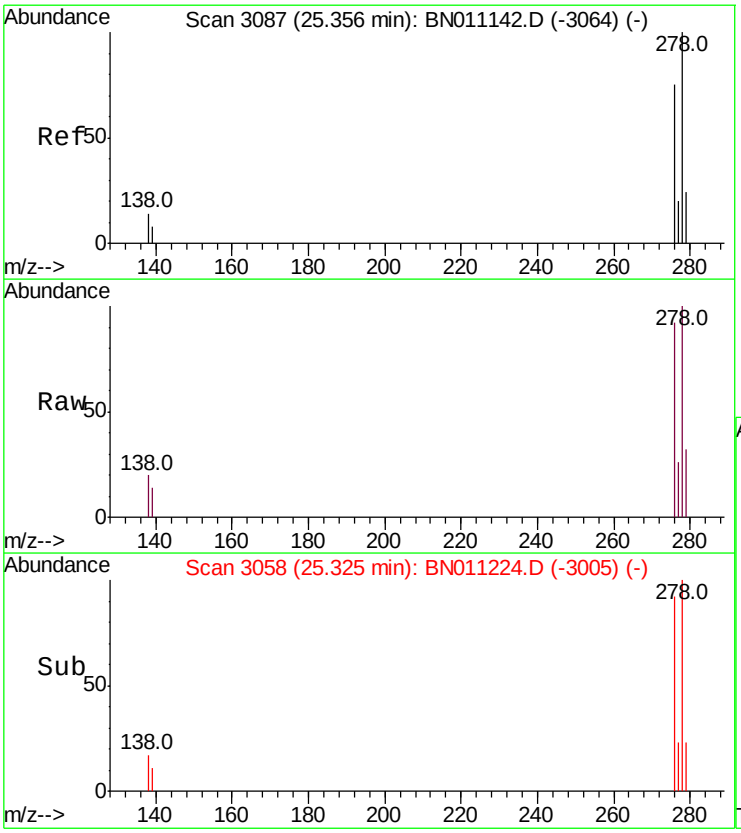
#39
Benzo(a)pyrene
Concen: 0.348 ng
RT: 23.13 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 6668

Ion	Ratio	Lower	Upper
252	100		
253	33.0	25.8	38.6
125	15.6	13.4	20.0

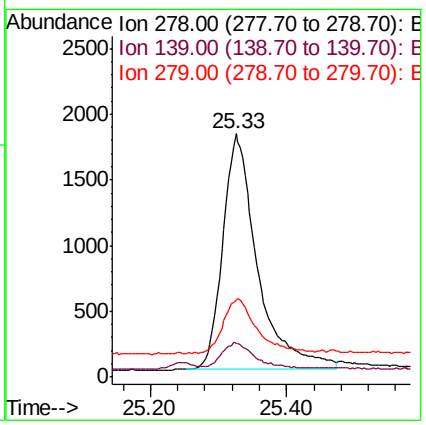


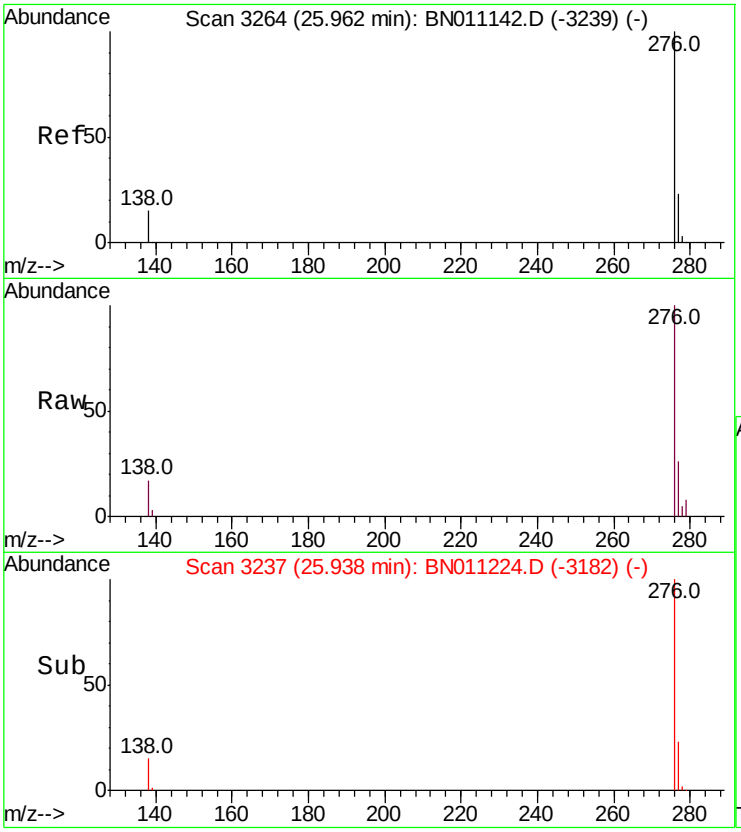


#40
Dibenzo(a,h)anthracene
Concen: 0.313 ng
RT: 25.33 min Scan# 3058
Delta R.T. -0.02 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Tgt Ion:278 Resp: 6354

Ion	Ratio	Lower	Upper
278	100		
139	13.7	11.7	17.5
279	31.7	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.329 ng
RT: 25.94 min Scan# 3237
Delta R.T. -0.01 min
Lab File: BN011224.D
Acq: 22 Jul 2020 18:57

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 7350

Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.5	30.7
138	16.8	13.8	20.6