Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090920\
Data File : BN011766.D
Acq On : 09 Sep 2020 14:08
Operator : CG/JU
Sample : PB131431BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB131431BS

Quant Time: Sep 09 14:43:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 09 10:54:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	2234	0.40	ng		0.00
7) Naphthalene-d8	10.52	136	8393	0.40	ng		0.00
13) Acenaphthene-d10	14.37	164	4915	0.40	ng		0.00
19) Phenanthrene-d10	17.11	188	10581	0.40	ng		0.00
29) Chrysene-d12	21.31	240	10911	0.40	ng		0.00
36) Perylene-d12	23.56	264	10357	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	2178	0.34	ng		0.00
5) Phenol-d6	6.89	99	2912	0.34	ng		0.00
8) Nitrobenzene-d5	8.87	82	3085	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.11	152	5407	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	828	0.35	ng		-0.01
15) 2-Fluorobiphenyl	12.99	172	7817	0.38	ng		0.00
27) Fluoranthene-d10	19.15	212	11569	0.34	ng		0.00
31) Terphenyl-d14	19.75	244	9868	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	1302	0.363	ng		95
3) n-Nitrosodimethylamine	3.59	42	1612	0.388	ng	#	91
6) bis(2-Chloroethyl)ether	7.16	93	2566	0.368	ng		100
9) Naphthalene	10.57	128	8745	0.364	ng		99
10) Hexachlorobutadiene	10.86	225	2010	0.381	ng	#	99
12) 2-Methylnaphthalene	12.18	142	6146	0.360	ng		98
16) Acenaphthylene	14.09	152	8789	0.367	ng		99
17) Acenaphthene	14.43	154	6168	0.373	ng		98
18) Fluorene	15.42	166	7648	0.361	ng		98
20) 4,6-Dinitro-2-methylphenol	15.50	198	640	0.392	ng		99
21) 4-Bromophenyl-phenylether	16.31	248	2258	0.364	ng	#	80
22) Hexachlorobenzene	16.42	284	2917	0.381	ng		98
23) Atrazine	16.58	200	1317	0.242	ng		98
24) Pentachlorophenol	16.76	266	972	0.320	ng		100
25) Phenanthrene	17.15	178	12460	0.365	ng		100
26) Anthracene	17.25	178	10717	0.353	ng		99
28) Fluoranthene	19.18	202	13987	0.345	ng		100
30) Pyrene	19.54	202	13869	0.366	ng		100
32) Benzo(a)anthracene	21.29	228	13172	0.338	ng		99
33) Chrysene	21.34	228	14334	0.357	ng		98
34) Bis(2-ethylhexyl)phthalate	21.23	149	5030	0.317	ng		100
35) Indeno(1,2,3-cd)pyrene	25.81	276	17051	0.325	ng		98
37) Benzo(b)fluoranthene	22.88	252	14853	0.374	ng		98
38) Benzo(k)fluoranthene	22.93	252	14862	0.366	ng		98
39) Benzo(a)pyrene	23.46	252	12470	0.351	ng		96
40) Dibenzo(a,h)anthracene	25.83	278	14134	0.353	ng		97
41) Benzo(g,h,i)perylene	26.50	276	14563	0.371	ng		99

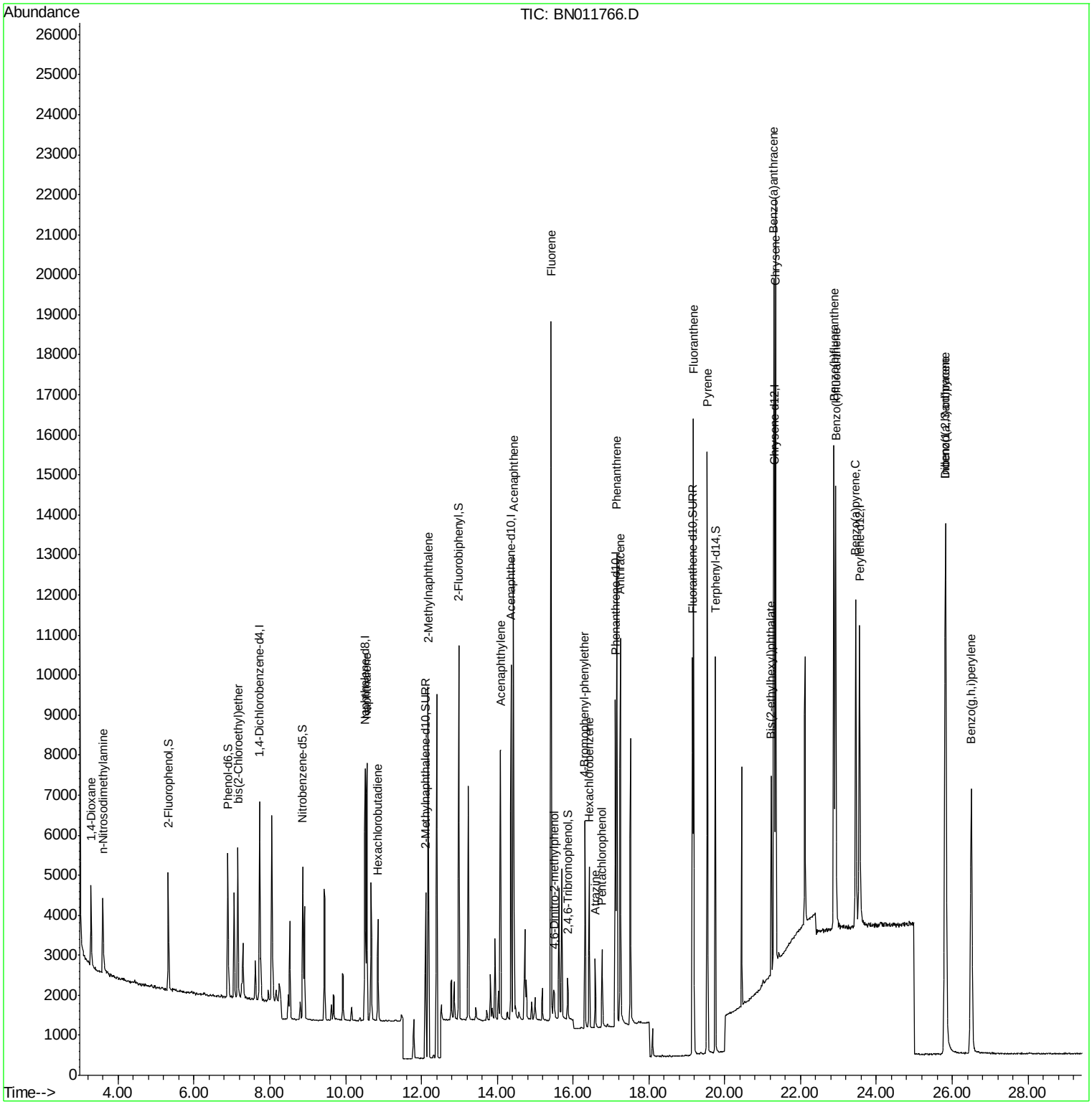
(#) = qualifier out of range (m) = manual integration (+) = signals summed

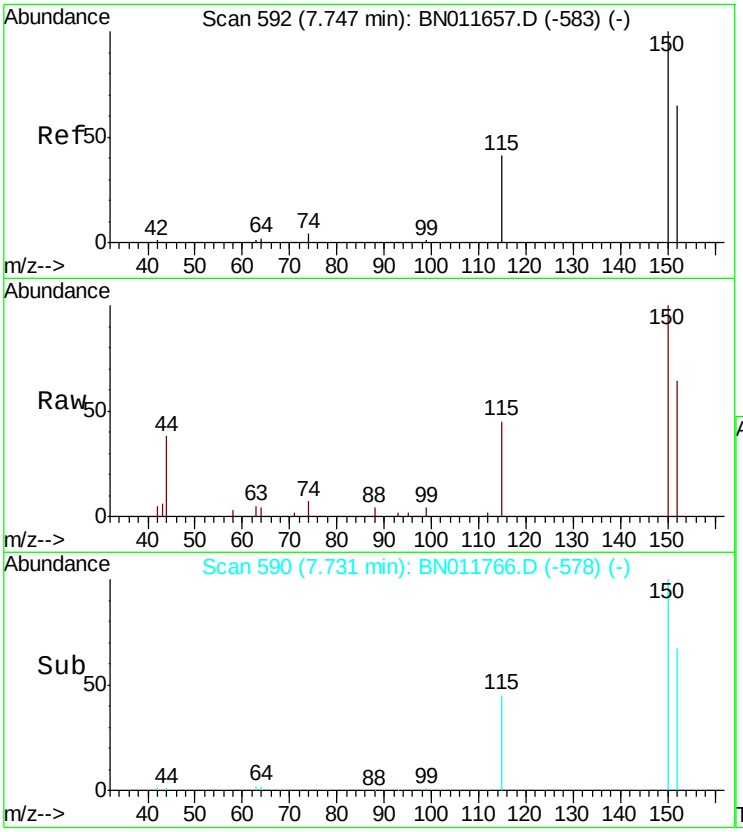
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090920\
Data File : BN011766.D
Acq On : 09 Sep 2020 14:08
Operator : CG/JU
Sample : PB131431BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Quant Time: Sep 09 14:43:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 09 10:54:46 2020
Response via : Initial Calibration



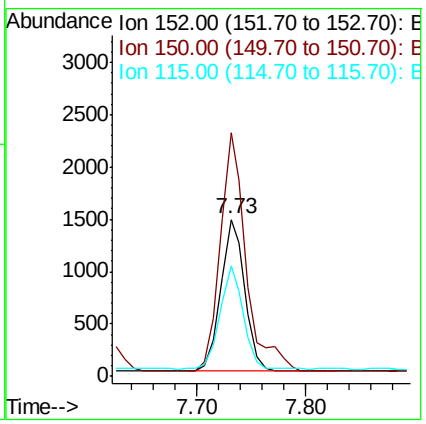


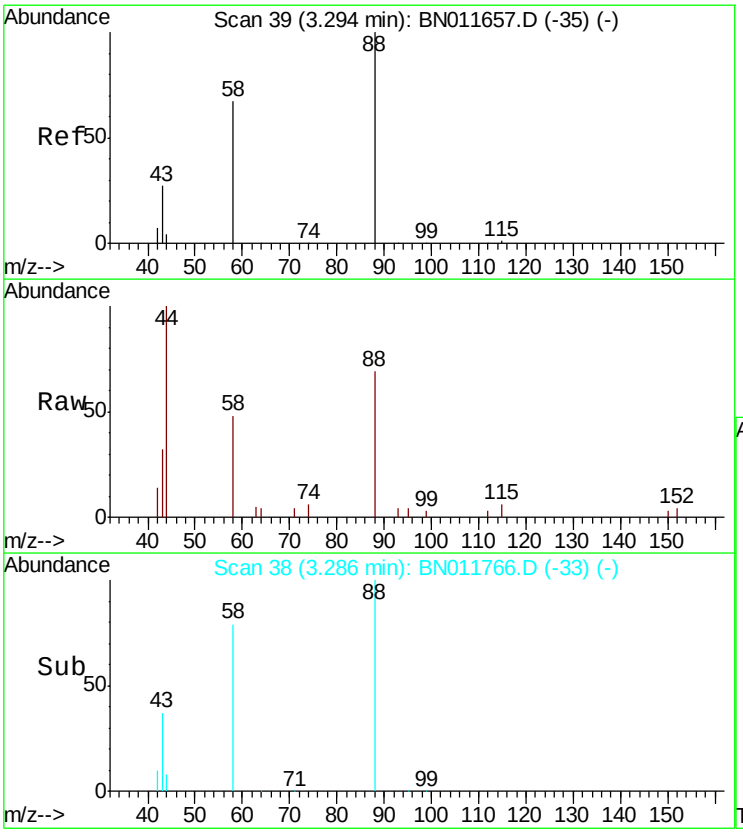
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 590
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:152 Resp: 2234

Ion	Ratio	Lower	Upper
152	100		
150	155.4	121.0	181.6
115	70.2	52.6	78.8

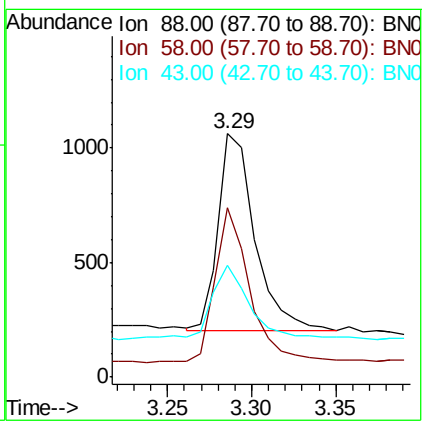


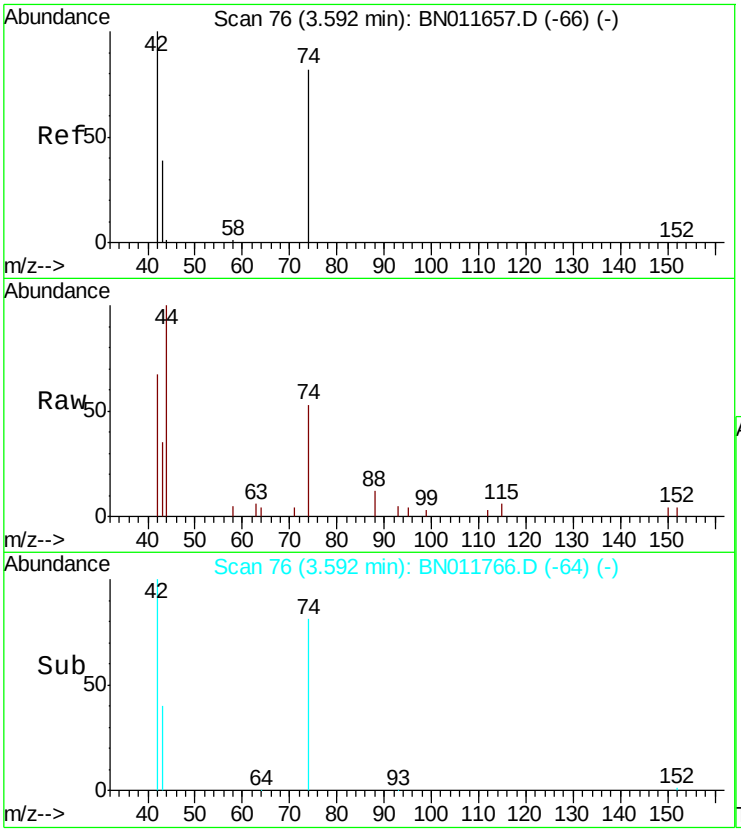


#2
1,4-Dioxane
Concen: 0.363 ng
RT: 3.29 min Scan# 38
Delta R.T. -0.01 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion: 88 Resp: 1302

Ion	Ratio	Lower	Upper
88	100		
58	71.9	61.4	92.0
43	34.5	29.8	44.8



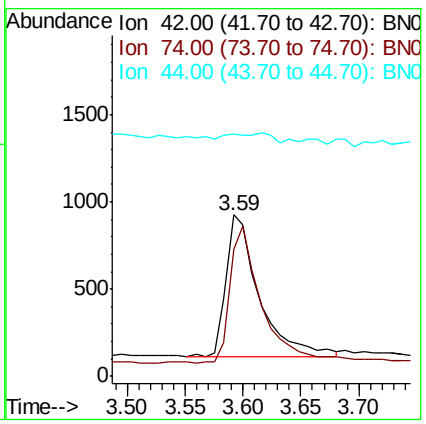


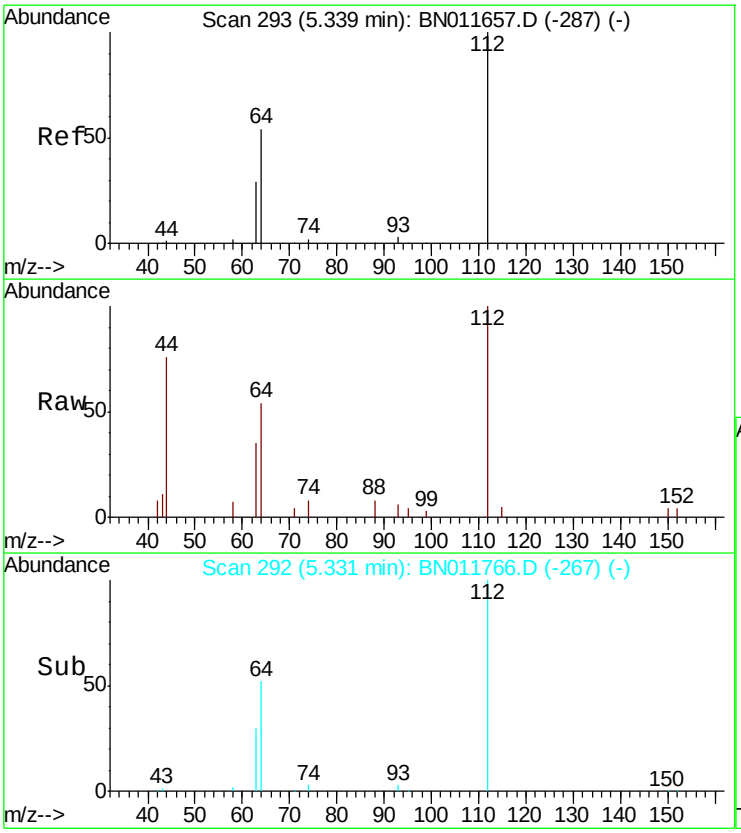
#3
n-Nitrosodimethylamine
Concen: 0.388 ng
RT: 3.59 min Scan# 76
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion: 42 Resp: 1612

Ion	Ratio	Lower	Upper
42	100		
74	92.2	79.0	118.6
44	0.0	8.1	12.1#

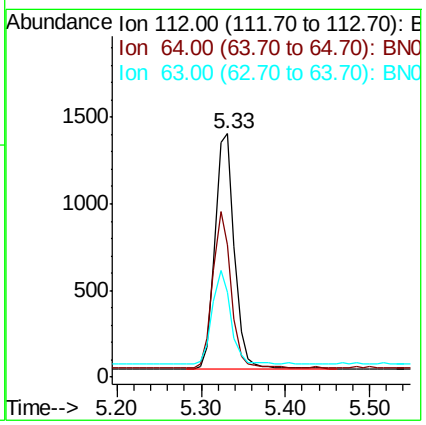


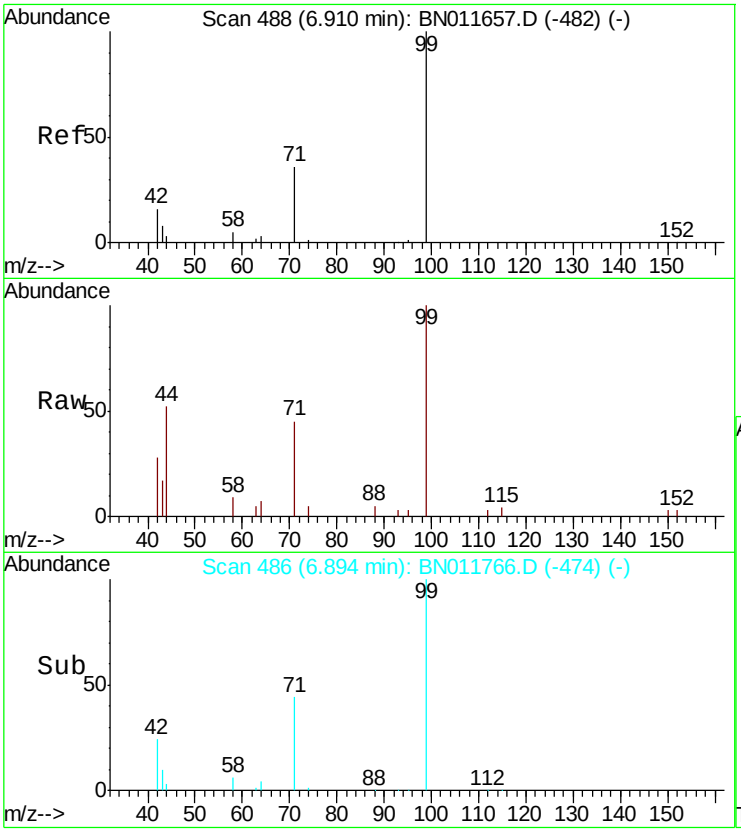


#4
2-Fluorophenol
Concen: 0.345 ng
RT: 5.33 min Scan# 292
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:112 Resp: 2178

Ion	Ratio	Lower	Upper
112	100		
64	62.2	49.7	74.5
63	37.3	29.4	44.0



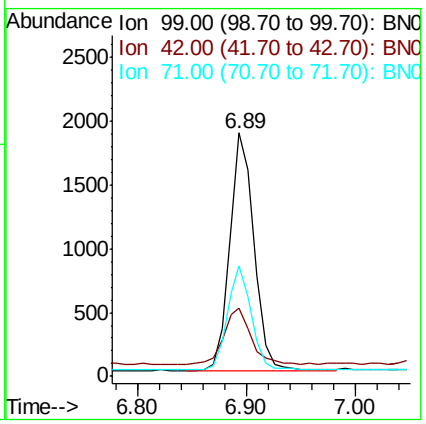


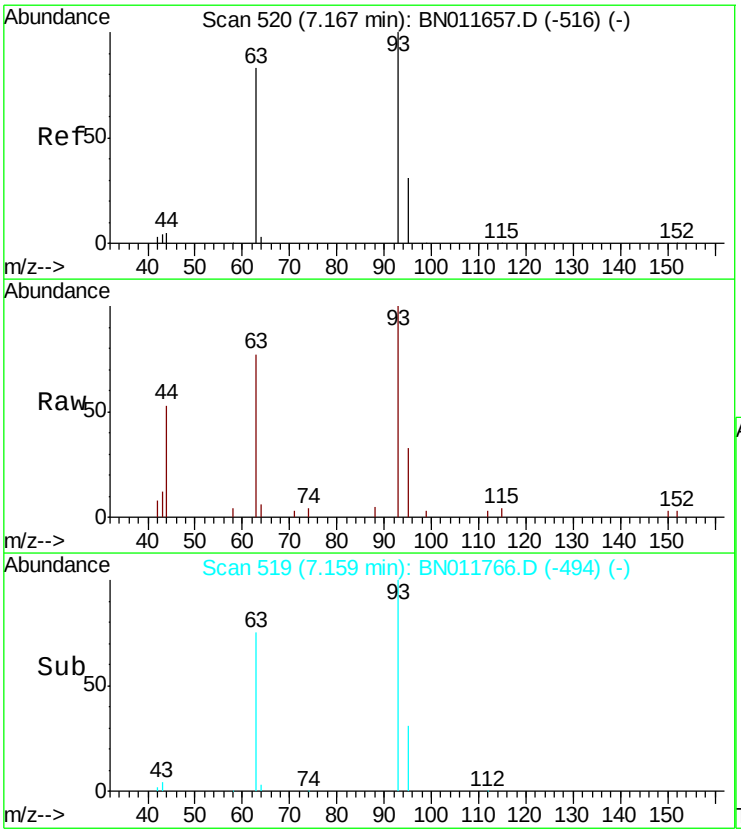
#5
Phenol-d6
Concen: 0.340 ng
RT: 6.89 min Scan# 486
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion: 99 Resp: 2912

Ion	Ratio	Lower	Upper
99	100		
42	27.3	20.2	30.2
71	43.3	33.3	49.9

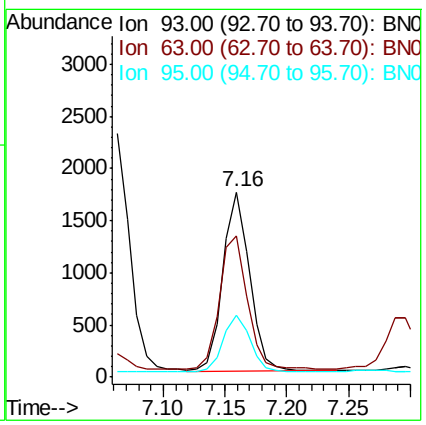


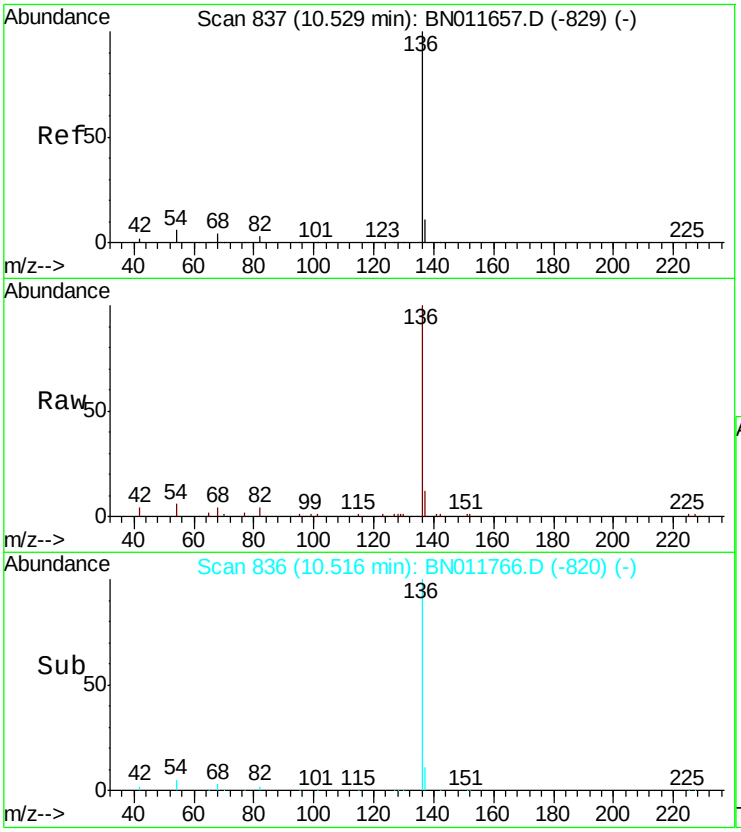


#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 7.16 min Scan# 519
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion: 93 Resp: 2566

Ion	Ratio	Lower	Upper
93	100		
63	77.8	62.2	93.4
95	32.7	26.6	39.8



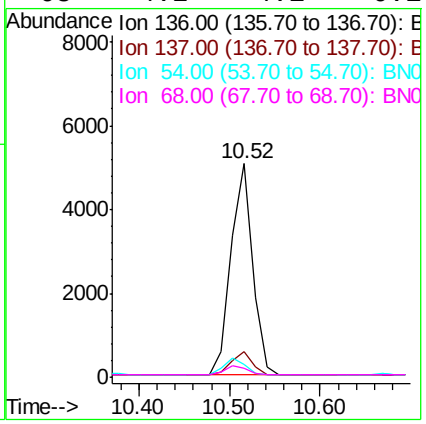


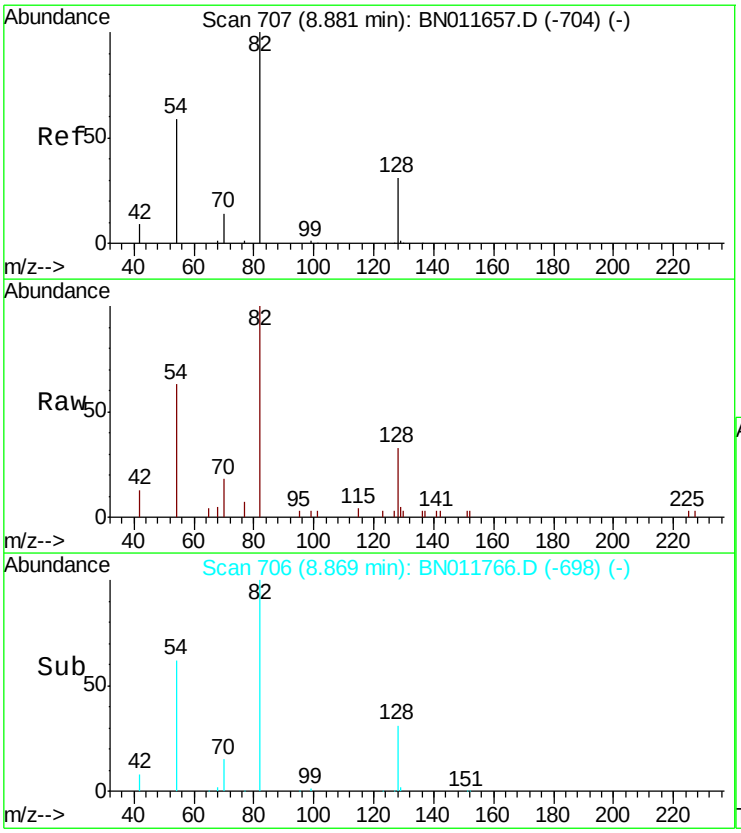
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.52 min Scan# 836
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:136 Resp: 8393

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	6.2	5.8	8.8
68	4.2	4.1	6.1

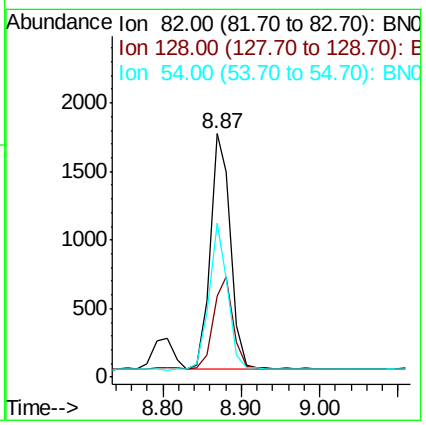


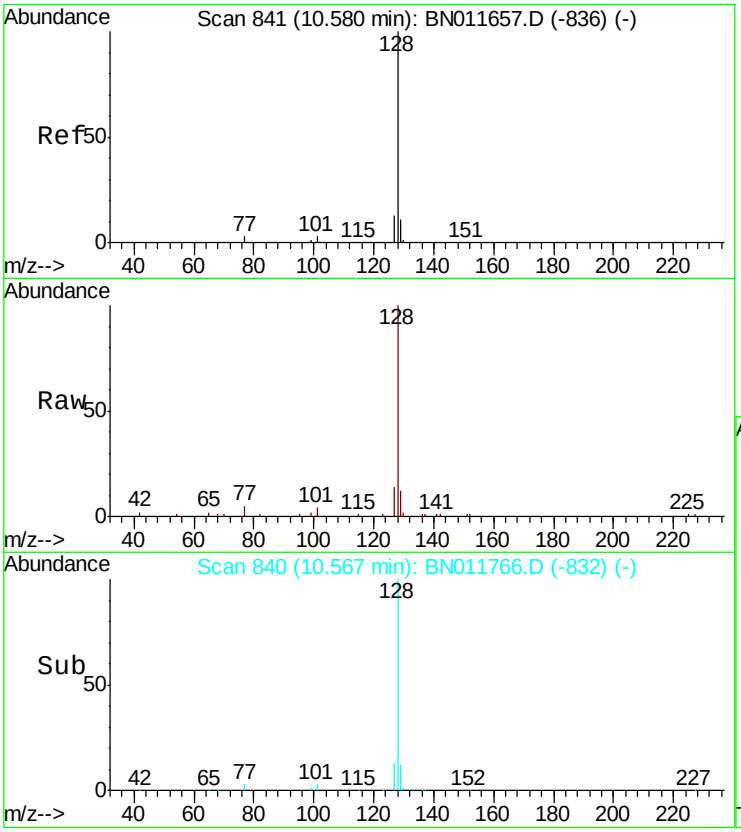


#8
Nitrobenzene-d5
Concen: 0.380 ng
RT: 8.87 min Scan# 706
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion: 82 Resp: 3085

Ion	Ratio	Lower	Upper
82	100		
128	33.3	26.2	39.2
54	63.3	48.2	72.4



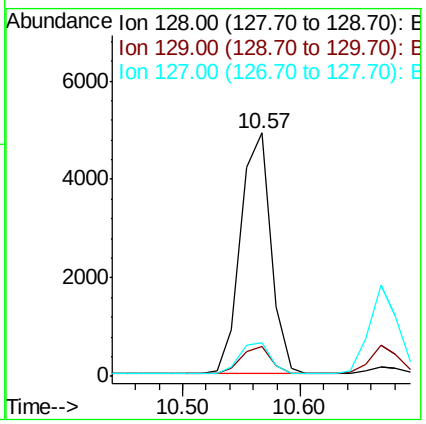


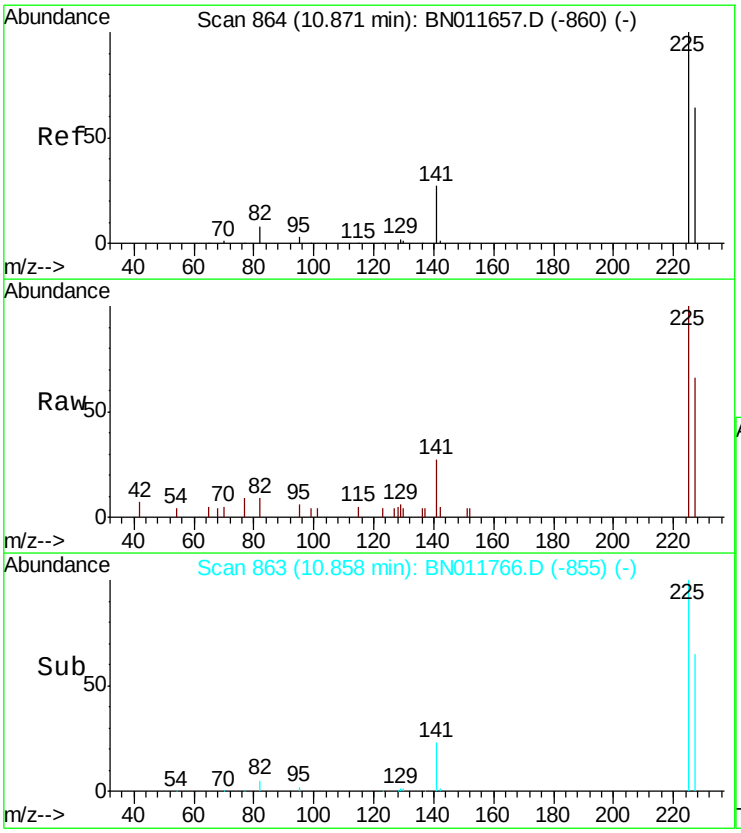
#9
Naphthalene
Concen: 0.364 ng
RT: 10.57 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:128 Resp: 8745

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.4	14.2
127	13.6	10.8	16.2

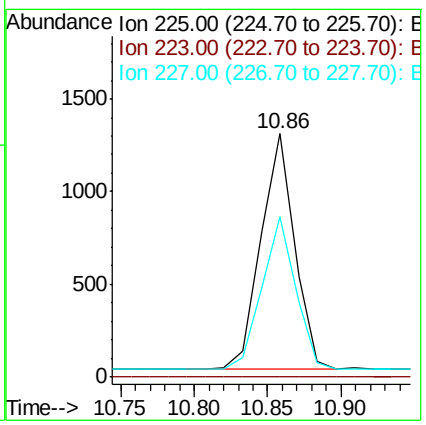


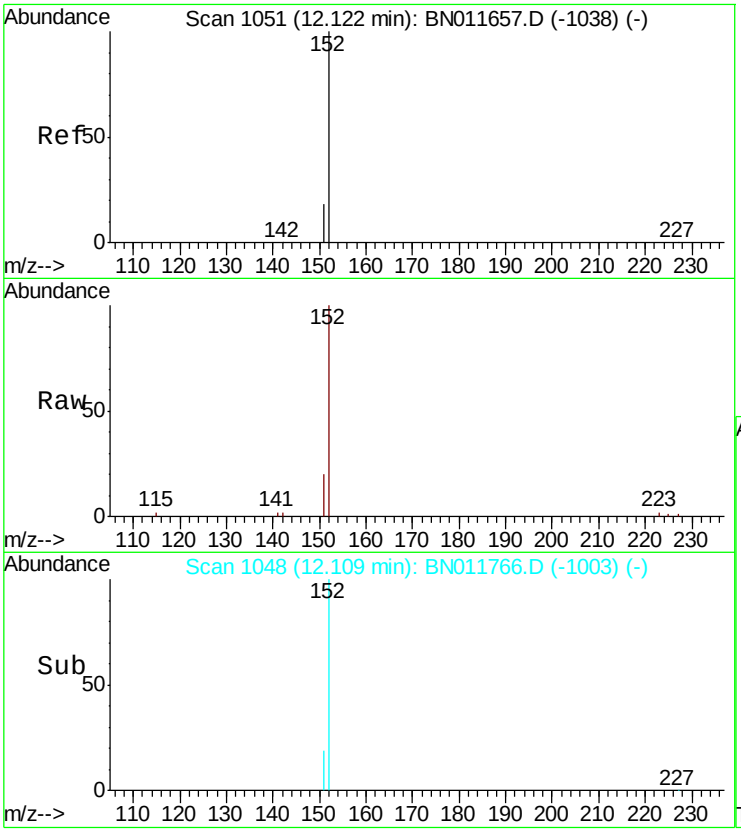


#10
Hexachlorobutadiene
Concen: 0.381 ng
RT: 10.86 min Scan# 863
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:225 Resp: 2010

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.3	52.6	78.8



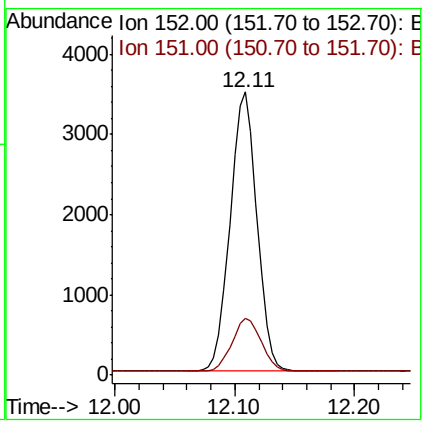


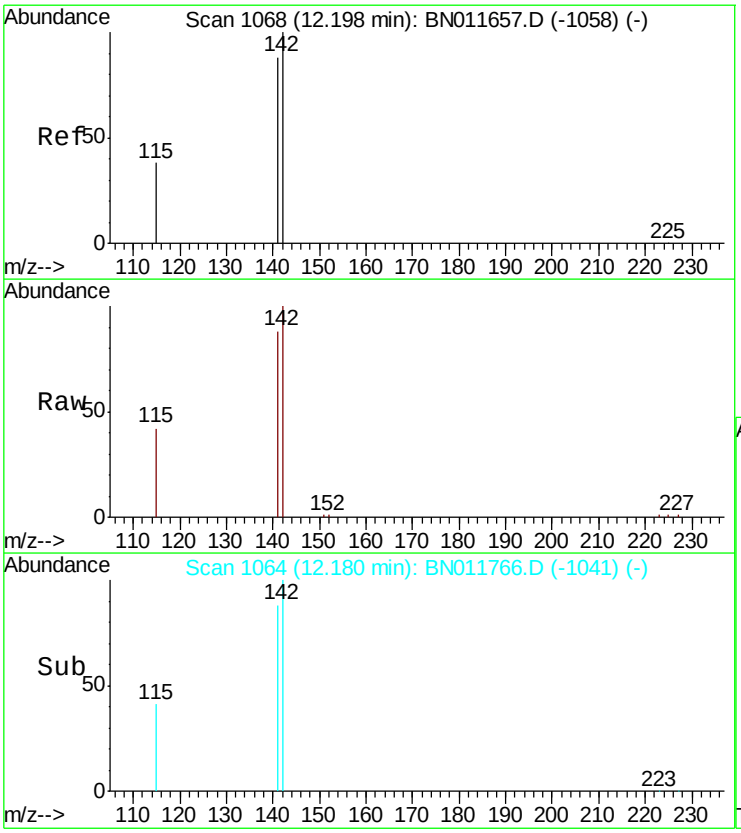
#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.11 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:152 Resp: 5407

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.7	25.1

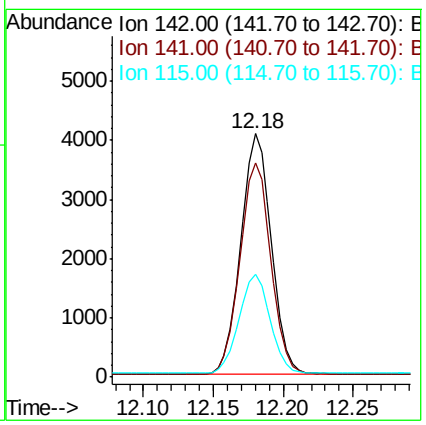


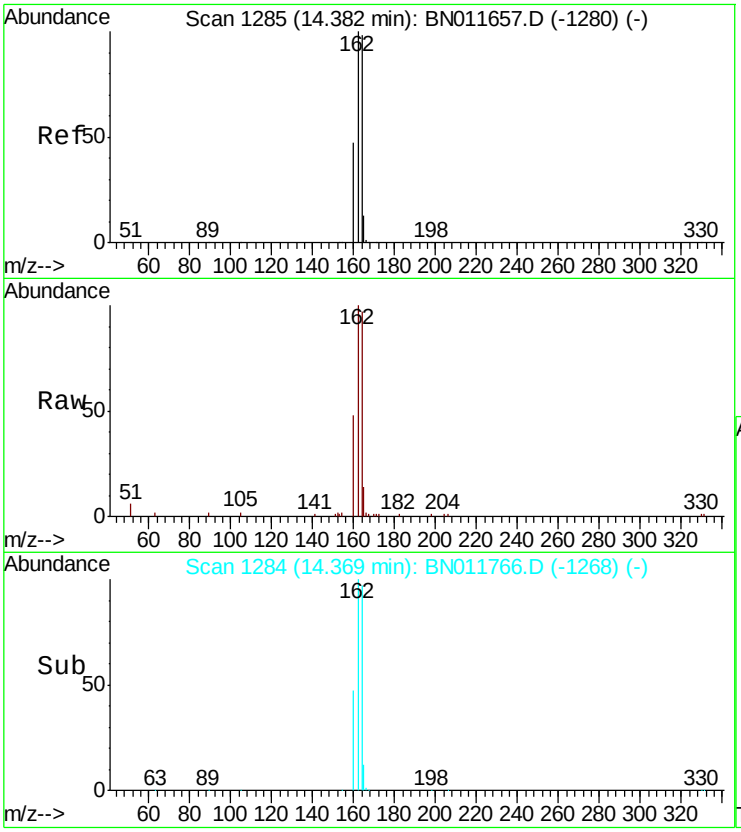


#12
2-Methylnaphthalene
Concen: 0.360 ng
RT: 12.18 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:142 Resp: 6146

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.6	106.0
115	42.0	31.3	46.9



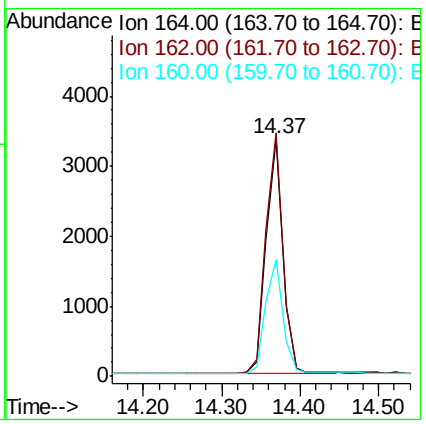


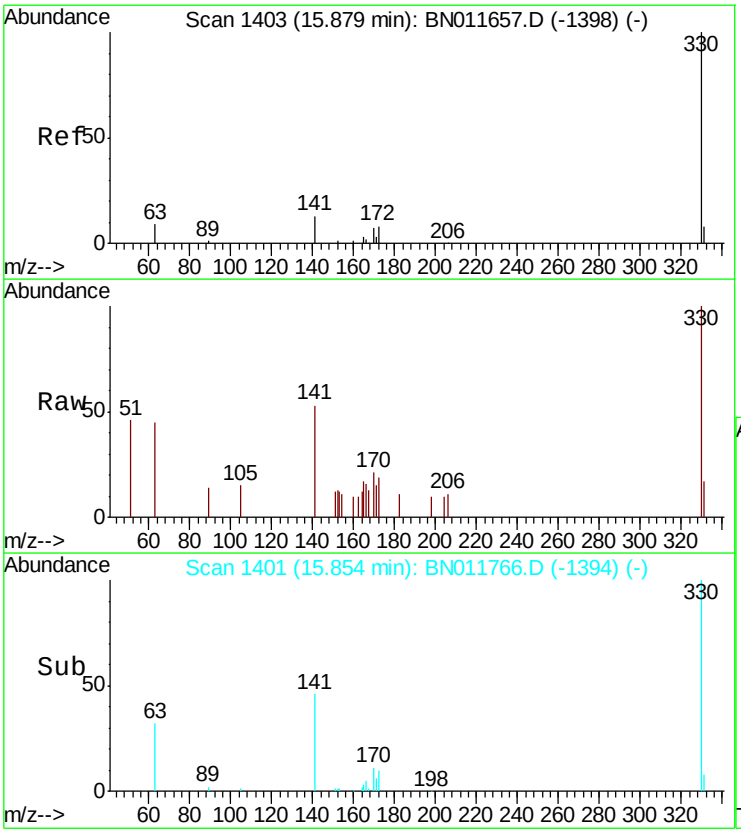
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.37 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:164 Resp: 4915

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.4	122.0
160	49.2	38.5	57.7

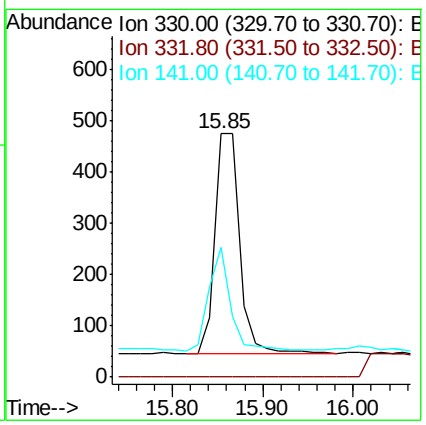


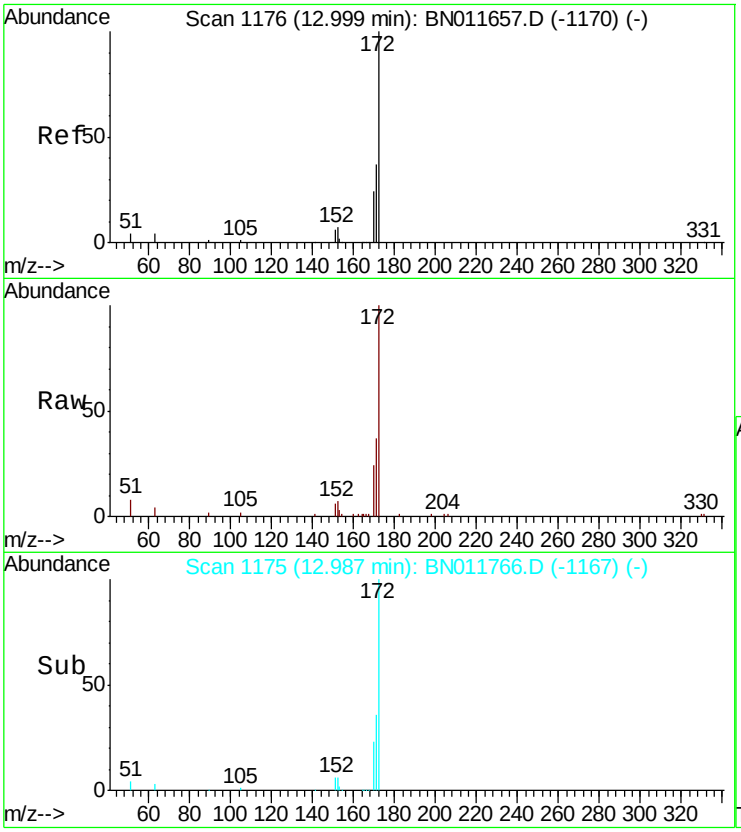


#14
2,4,6-Tribromophenol
Concen: 0.347 ng
RT: 15.85 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:330 Resp: 828

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.4	29.8	44.8



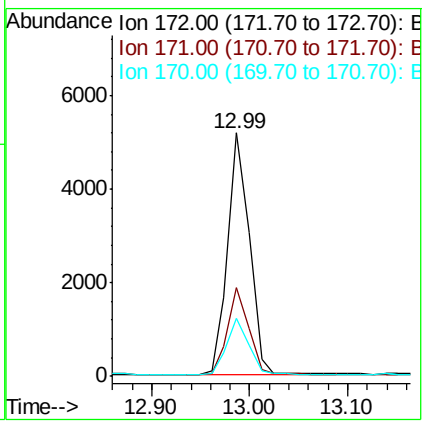


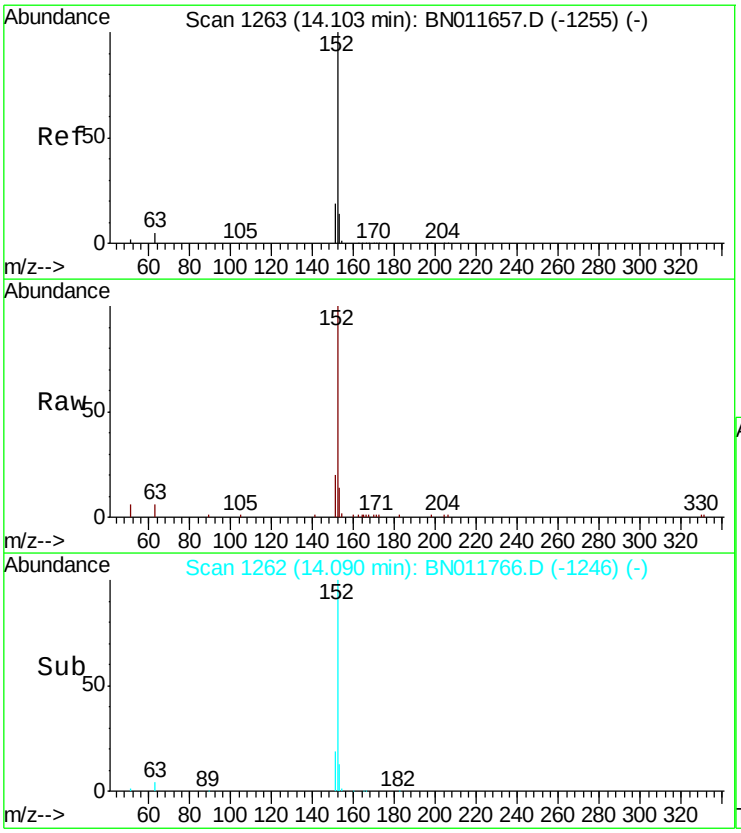
#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 12.99 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:172 Resp: 7817

Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.0	45.0
170	23.9	20.1	30.1

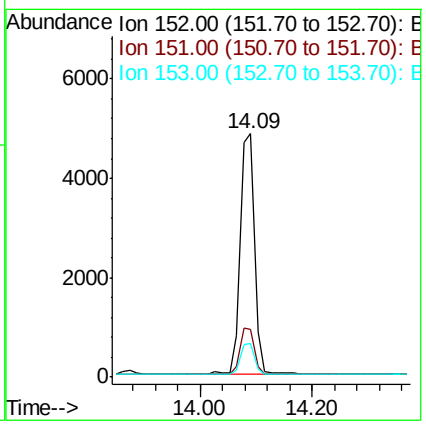


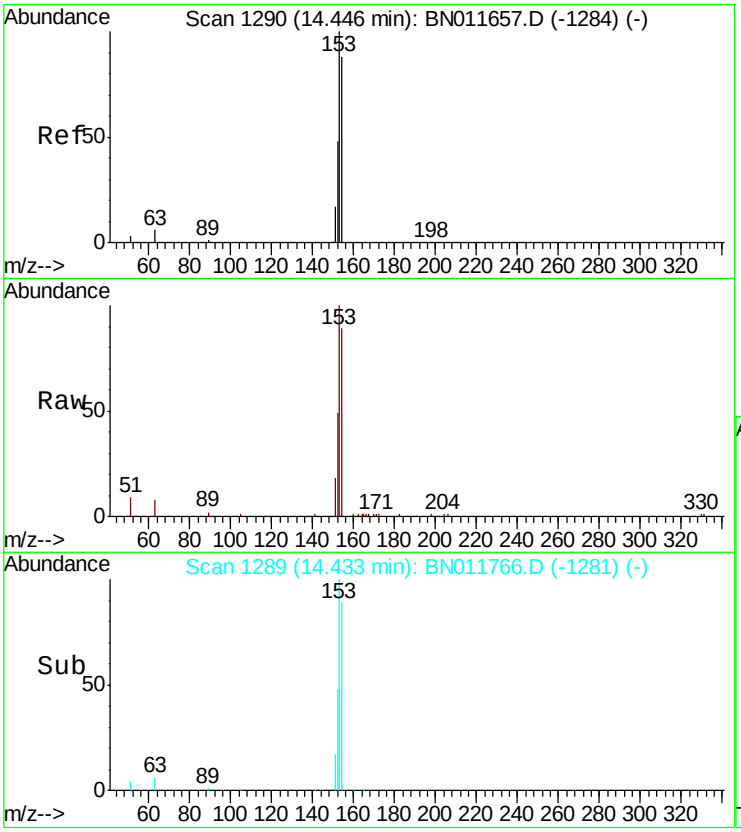


#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.09 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:152 Resp: 8789

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	12.8	10.5	15.7



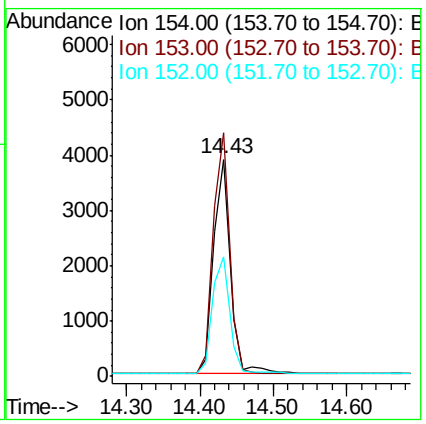


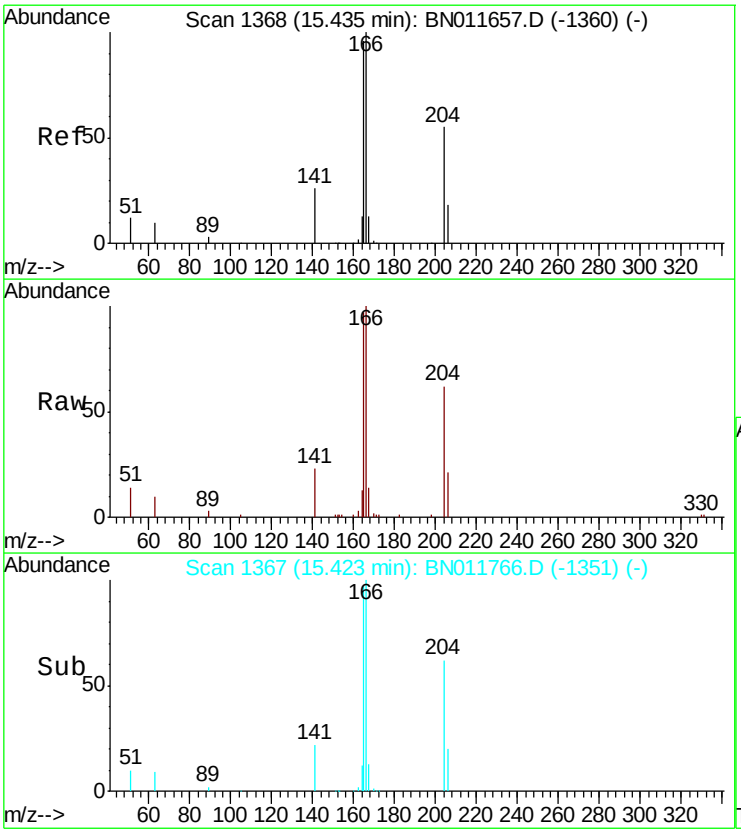
#17
Acenaphthene
Concen: 0.373 ng
RT: 14.43 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:154 Resp: 6168

Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.2	133.8
152	55.2	44.1	66.1

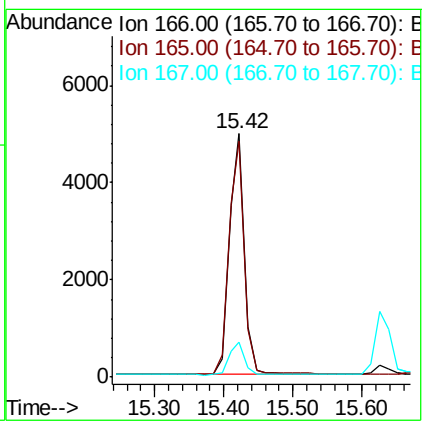


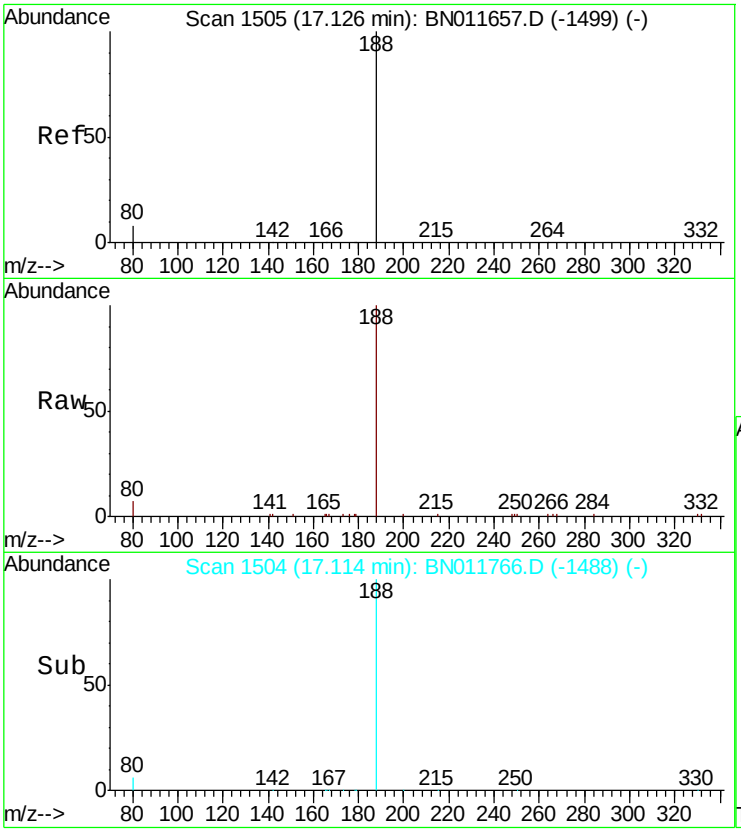


#18
Fluorene
Concen: 0.361 ng
RT: 15.42 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:166 Resp: 7648

Ion	Ratio	Lower	Upper
166	100		
165	99.2	77.7	116.5
167	13.9	11.0	16.4



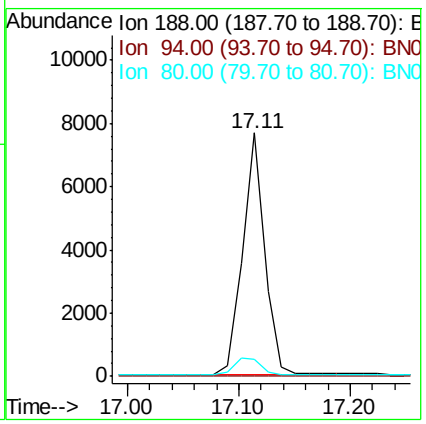


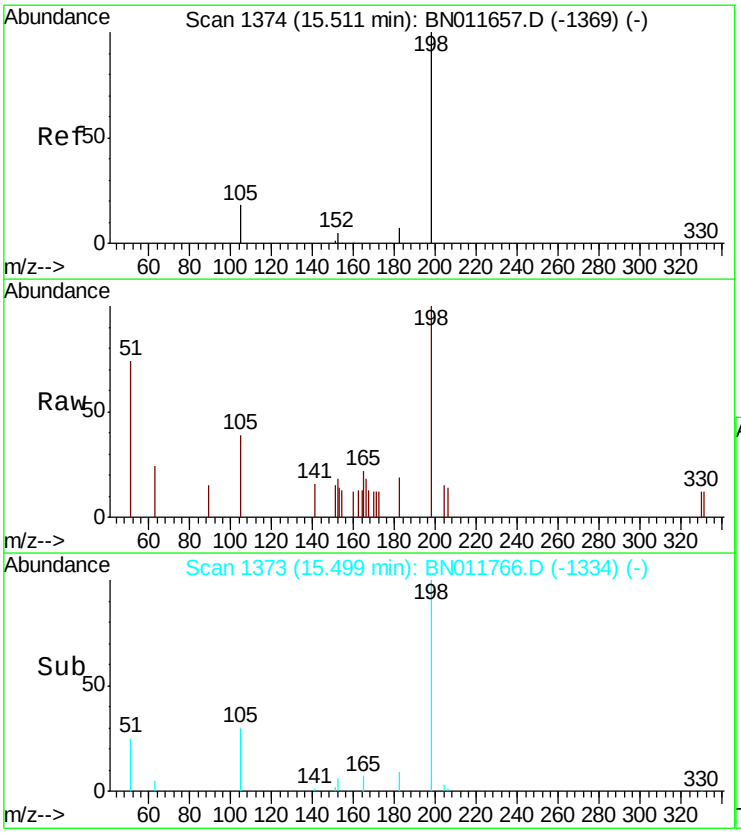
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.11 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:188 Resp: 10581

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	6.6	9.8

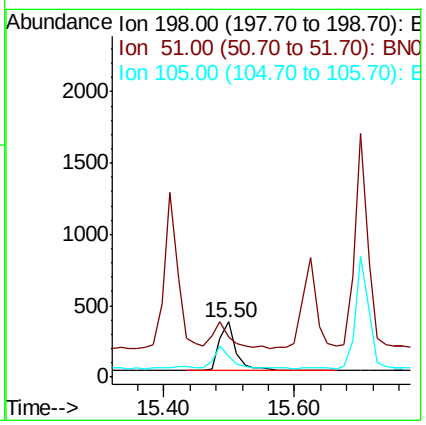


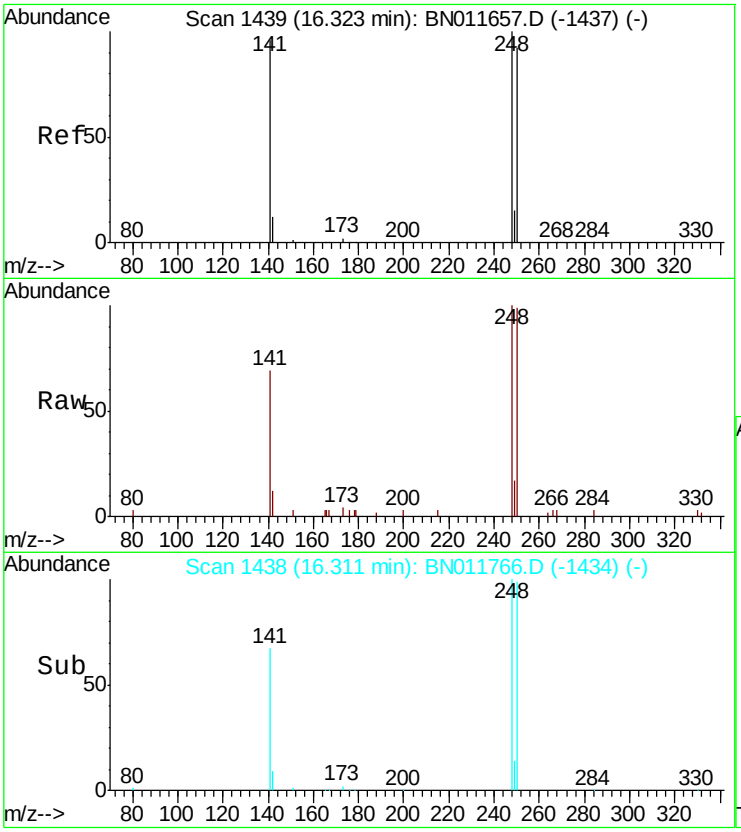


#20
4,6-Dinitro-2-methylphenol
Concen: 0.392 ng
RT: 15.50 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:198 Resp: 640

Ion	Ratio	Lower	Upper
198	100		
51	73.6	58.6	87.8
105	39.0	31.7	47.5



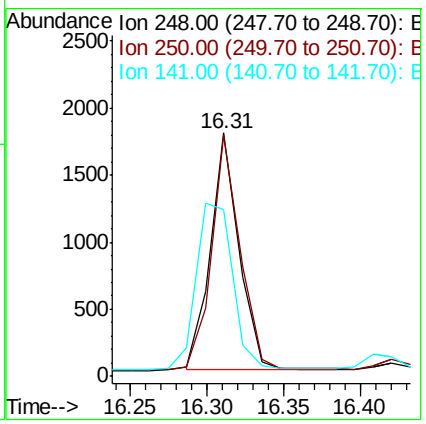


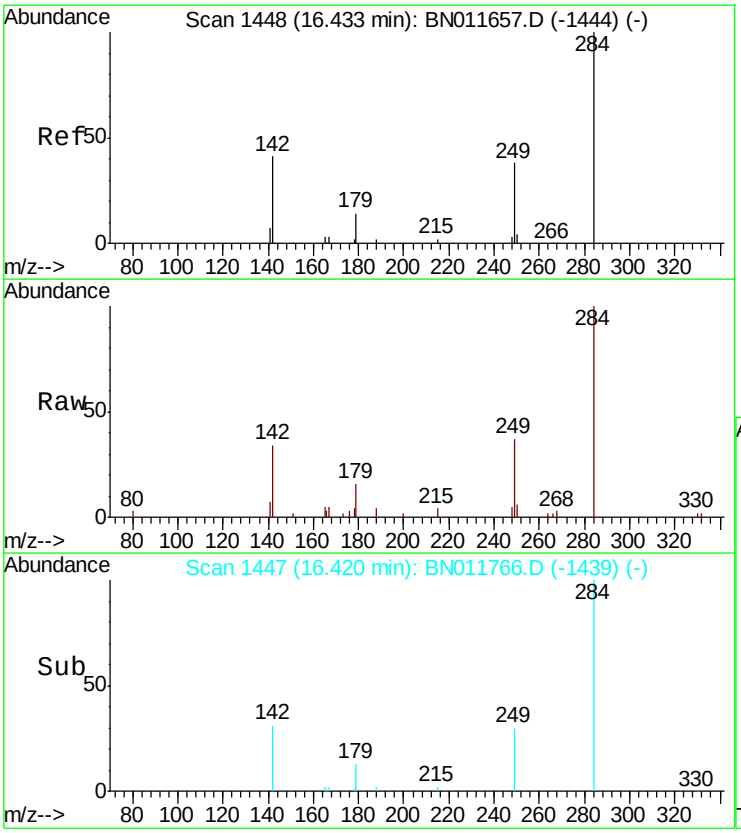
#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 16.31 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:248 Resp: 2258

Ion	Ratio	Lower	Upper
248	100		
250	99.2	73.9	110.9
141	68.5	79.8	119.6#

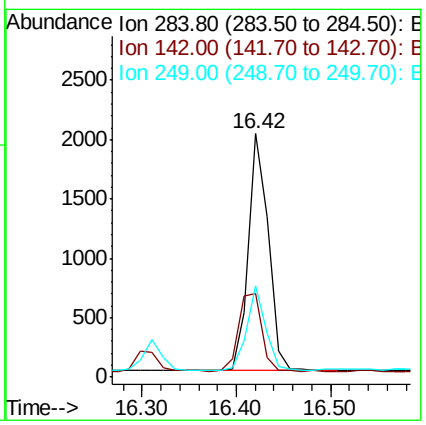


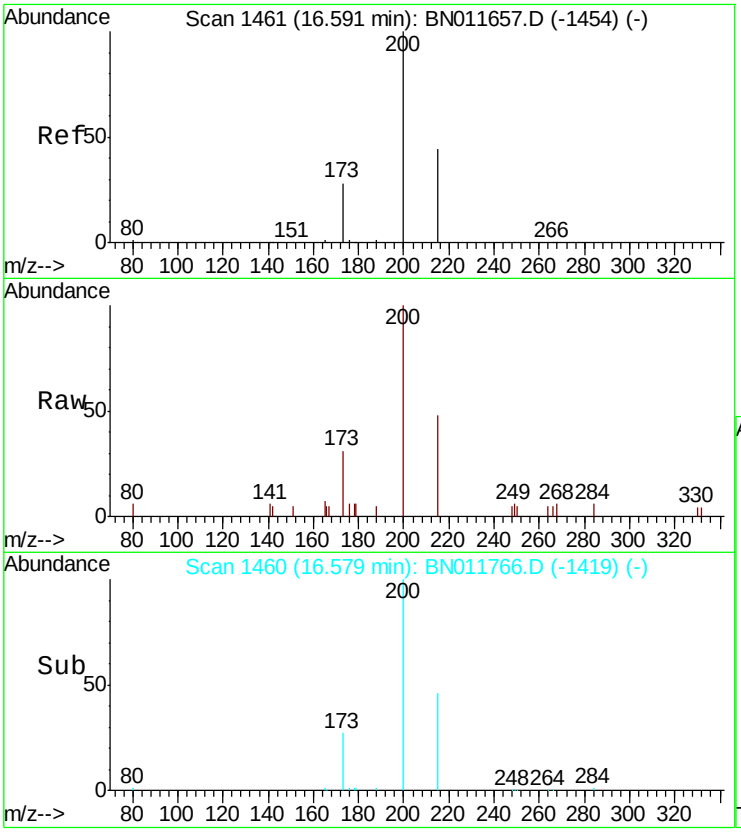


#22
Hexachlorobenzene
Concen: 0.381 ng
RT: 16.42 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:284 Resp: 2917

Ion	Ratio	Lower	Upper
284	100		
142	38.3	29.0	43.4
249	32.8	25.7	38.5



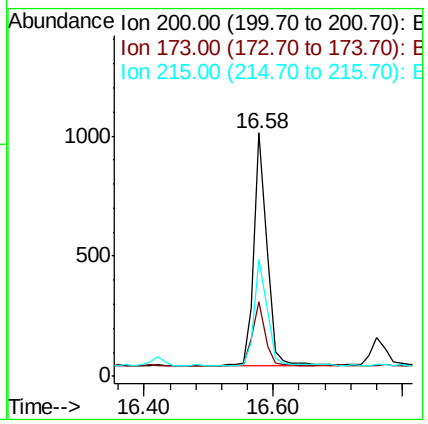


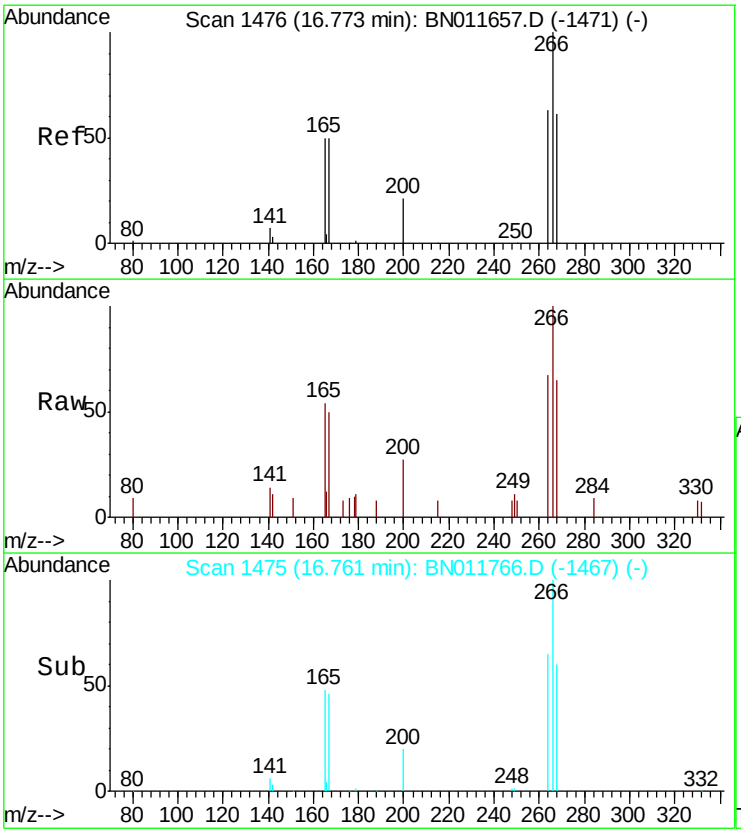
#23
Atrazine
Concen: 0.242 ng
RT: 16.58 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:200 Resp: 1317

Ion	Ratio	Lower	Upper
200	100		
173	30.6	24.3	36.5
215	48.1	36.4	54.6

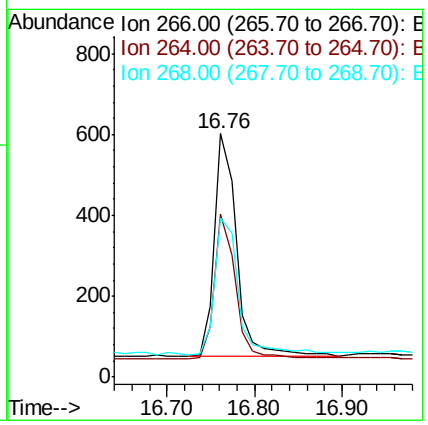


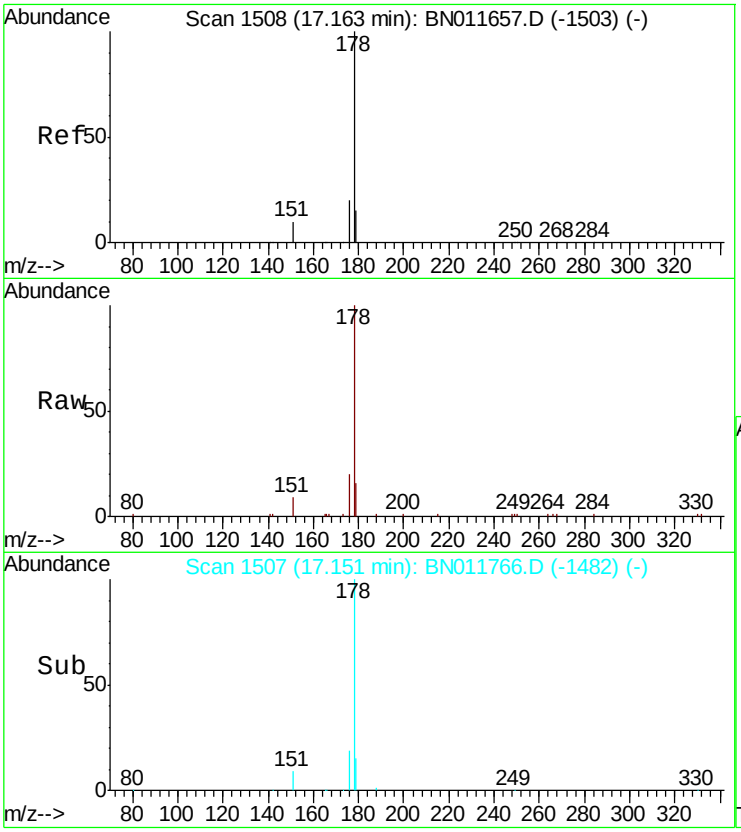


#24
Pentachlorophenol
Concen: 0.320 ng
RT: 16.76 min Scan# 1475
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:266 Resp: 972

Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.5	74.3
268	66.0	53.0	79.4



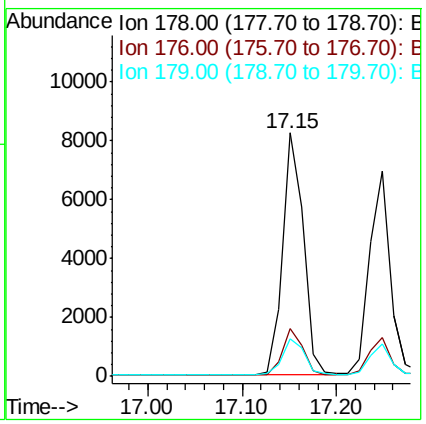


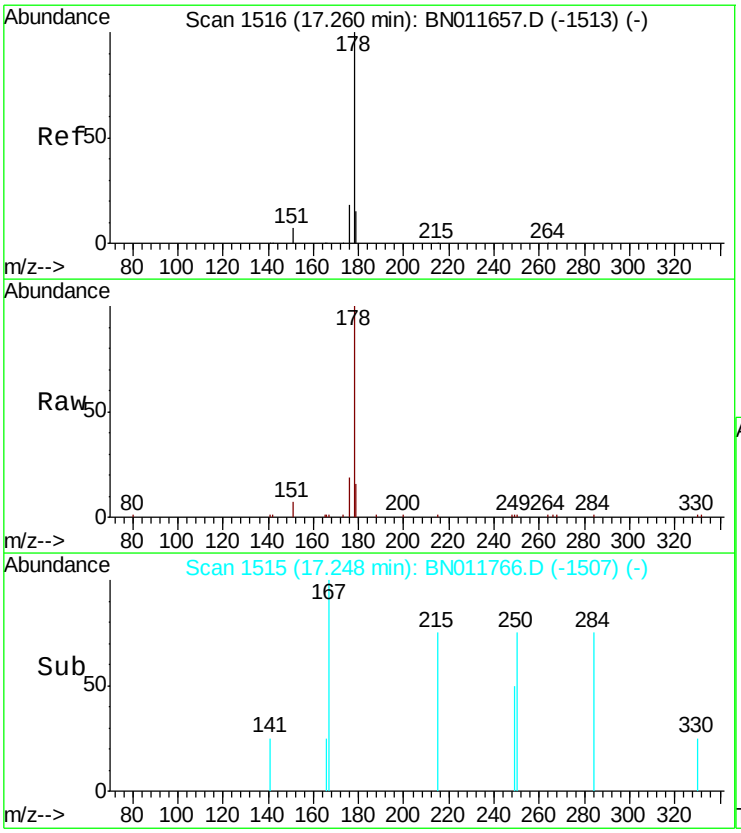
#25
Phenanthrene
Concen: 0.365 ng
RT: 17.15 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:178 Resp: 12460

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.4	12.4	18.6

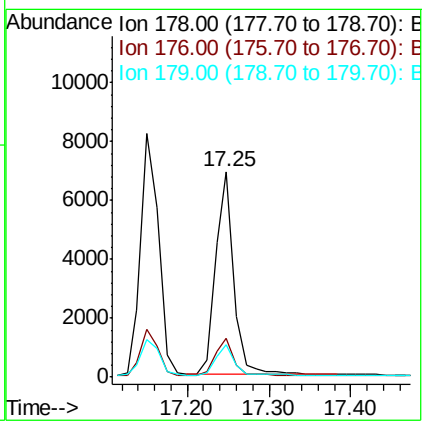


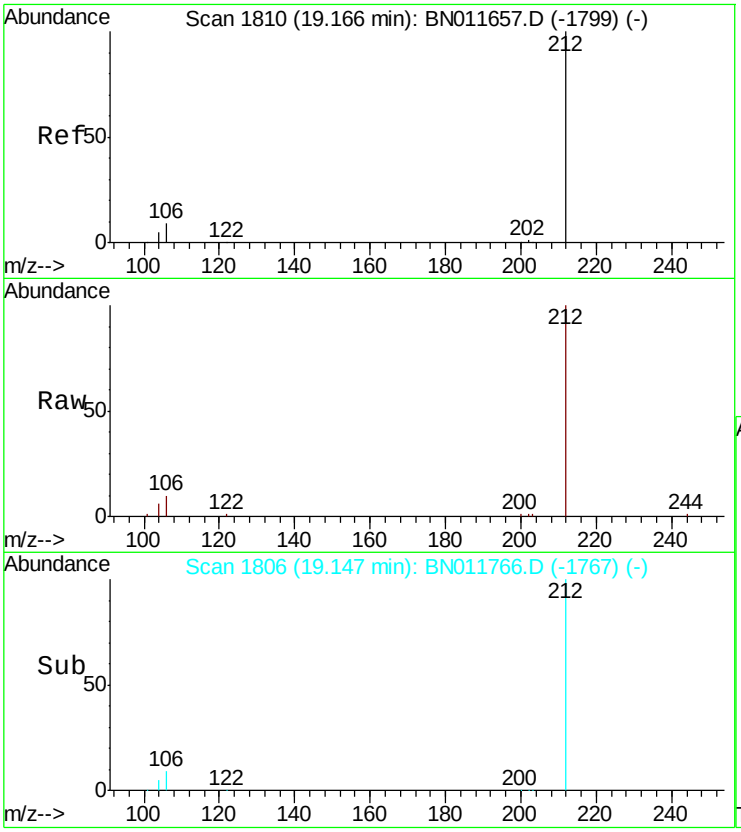


#26
Anthracene
Concen: 0.353 ng
RT: 17.25 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:178 Resp: 10717

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.0	12.2	18.4



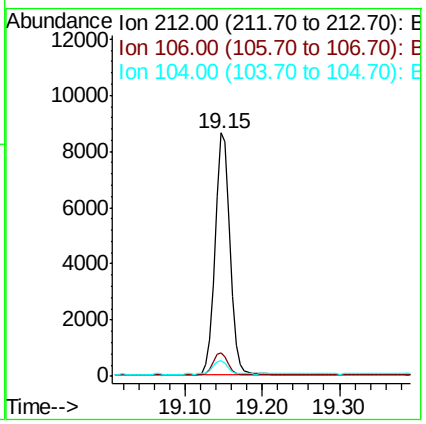


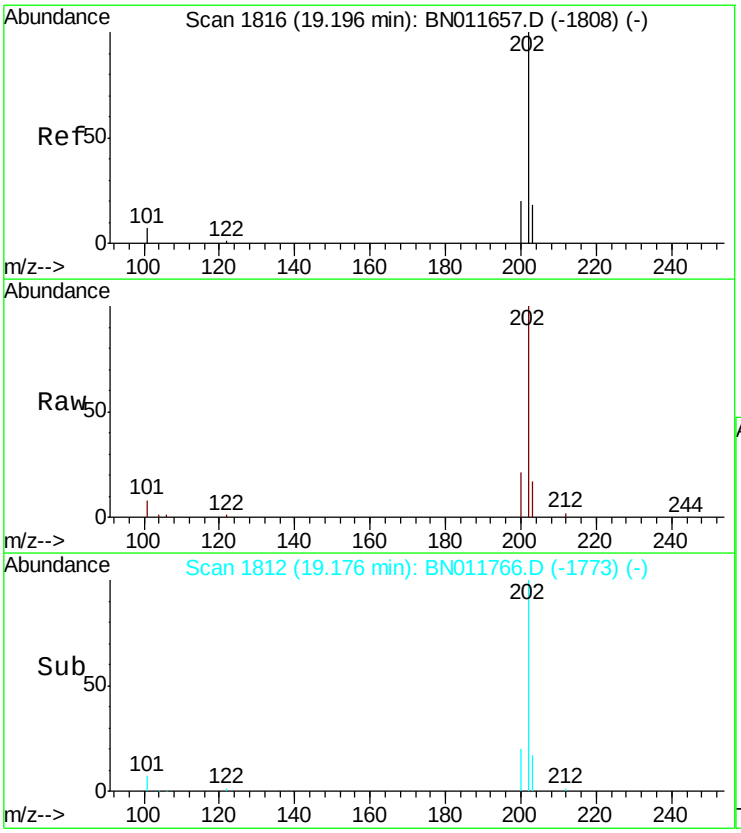
#27
Fluoranthene-d10
Concen: 0.341 ng
RT: 19.15 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:212 Resp: 11569

Ion	Ratio	Lower	Upper
212	100		
106	9.0	7.6	11.4
104	5.4	4.6	6.8

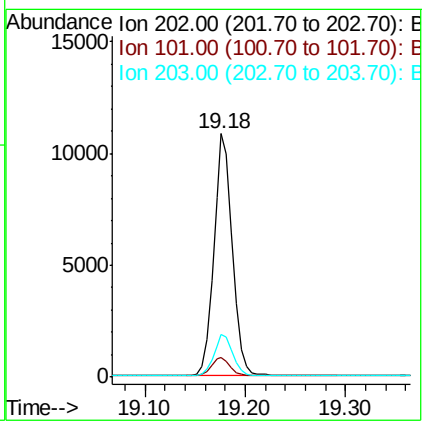


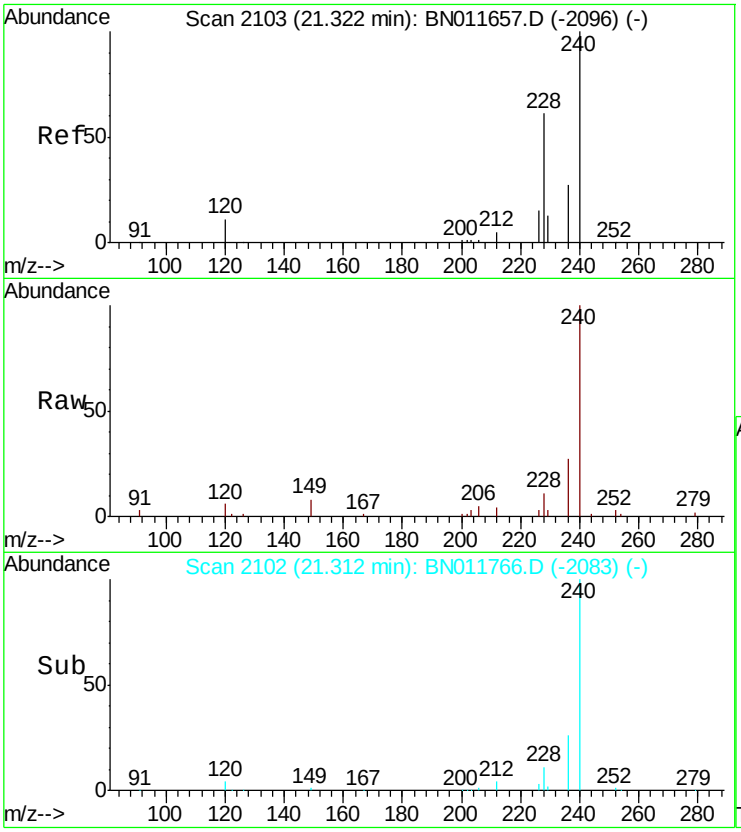


#28
Fluoranthene
Concen: 0.345 ng
RT: 19.18 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:202 Resp: 13987

Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.5	9.7
203	17.0	13.8	20.6



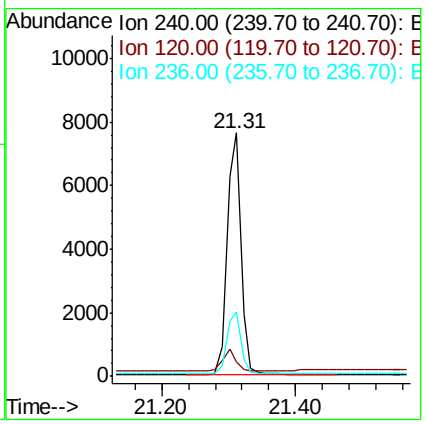


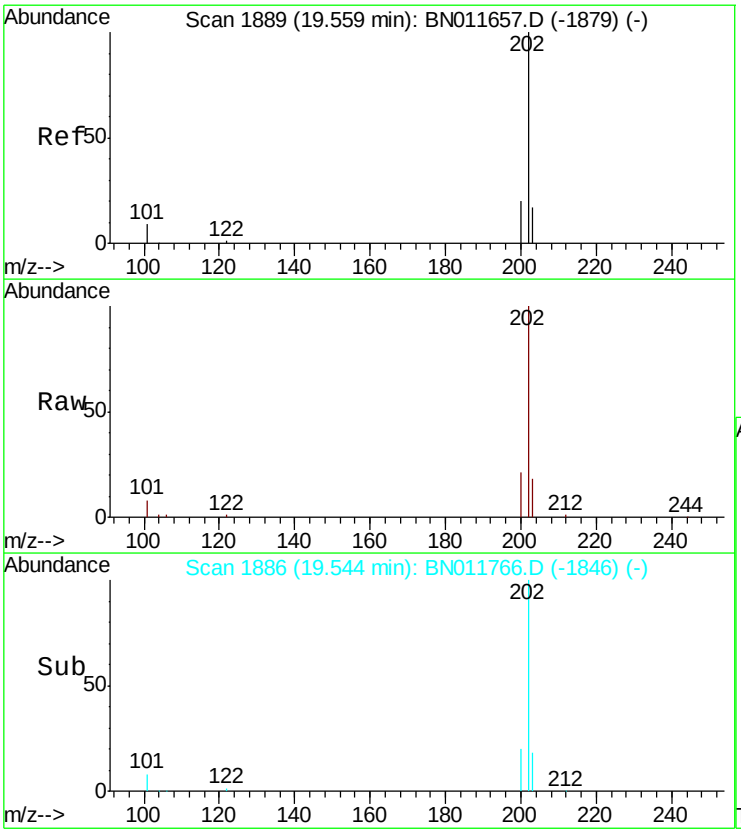
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:240 Resp: 10911

Ion	Ratio	Lower	Upper
240	100		
120	6.2	9.9	14.9#
236	26.6	22.2	33.4

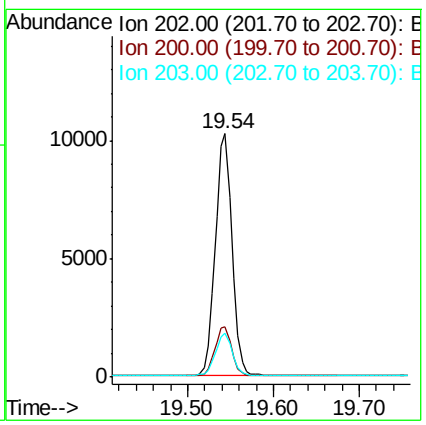


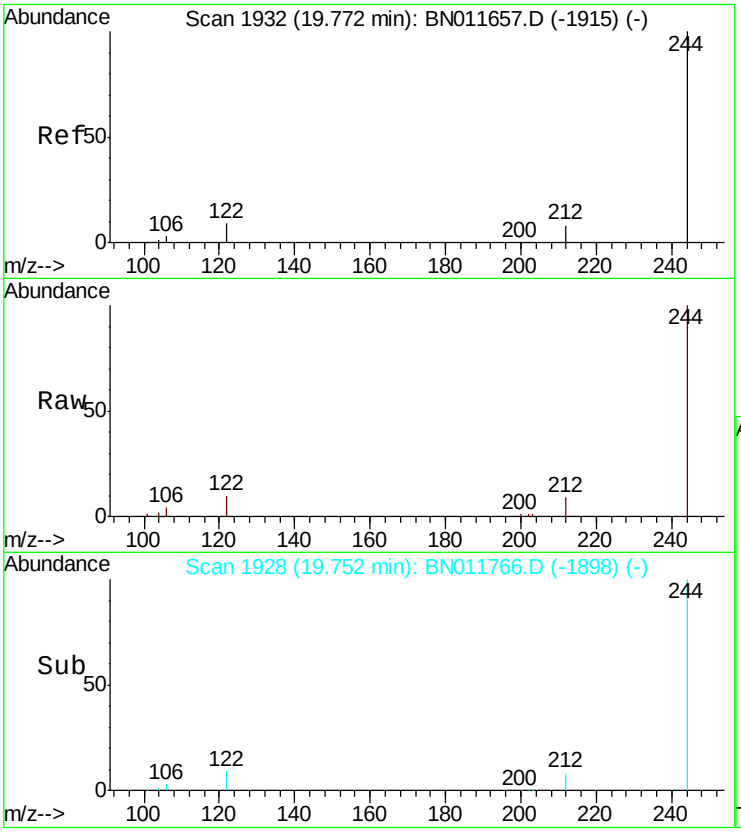


#30
Pyrene
Concen: 0.366 ng
RT: 19.54 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:202 Resp: 13869

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	17.5	14.1	21.1



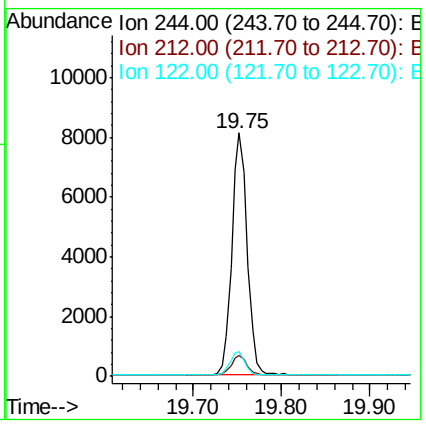


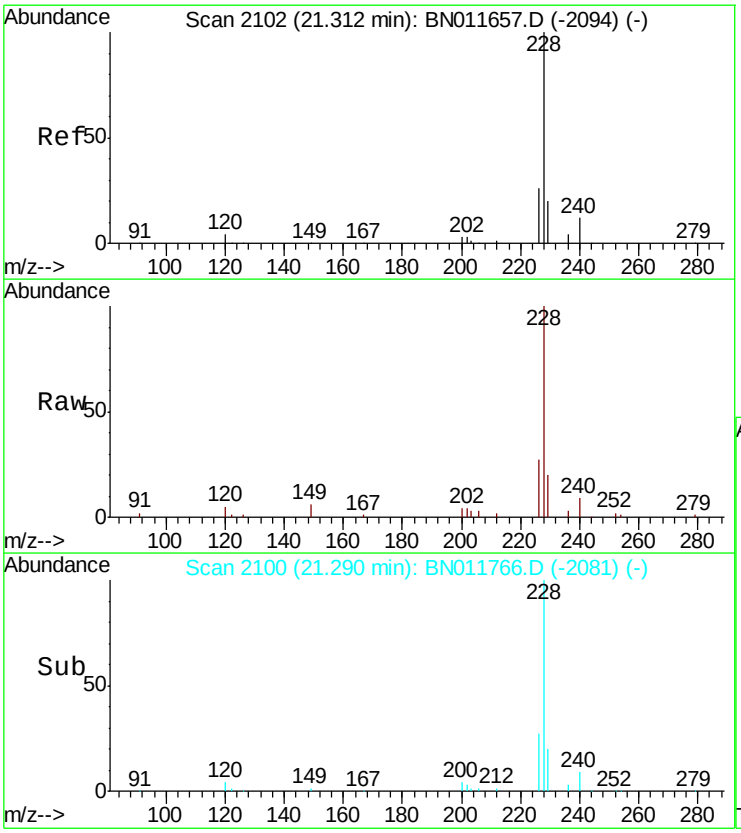
#31
Terphenyl-d14
Concen: 0.364 ng
RT: 19.75 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:244 Resp: 9868

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.5	9.7
122	9.9	7.4	11.2

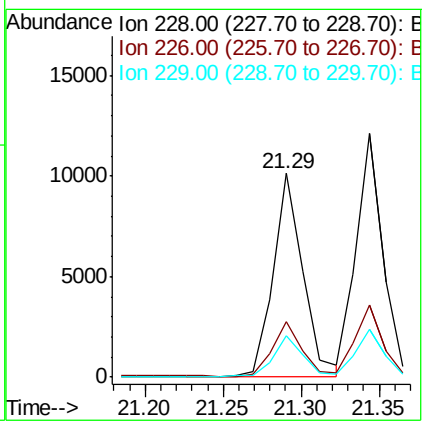


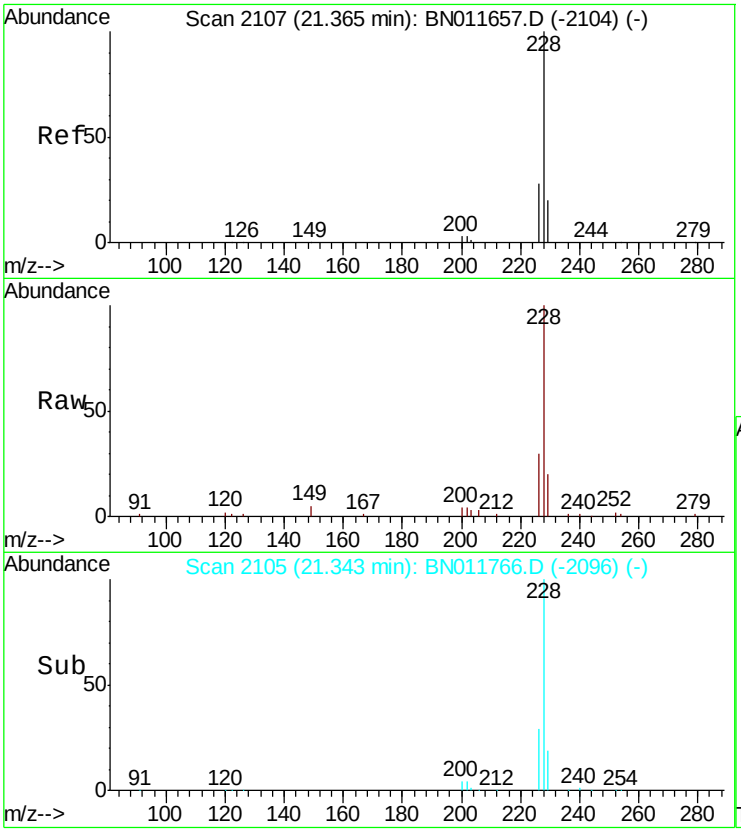


#32
Benzo(a)anthracene
Concen: 0.338 ng
RT: 21.29 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:228 Resp: 13172

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.2	31.8
229	20.0	16.0	24.0



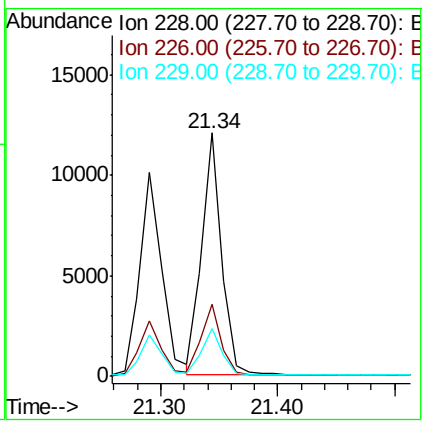


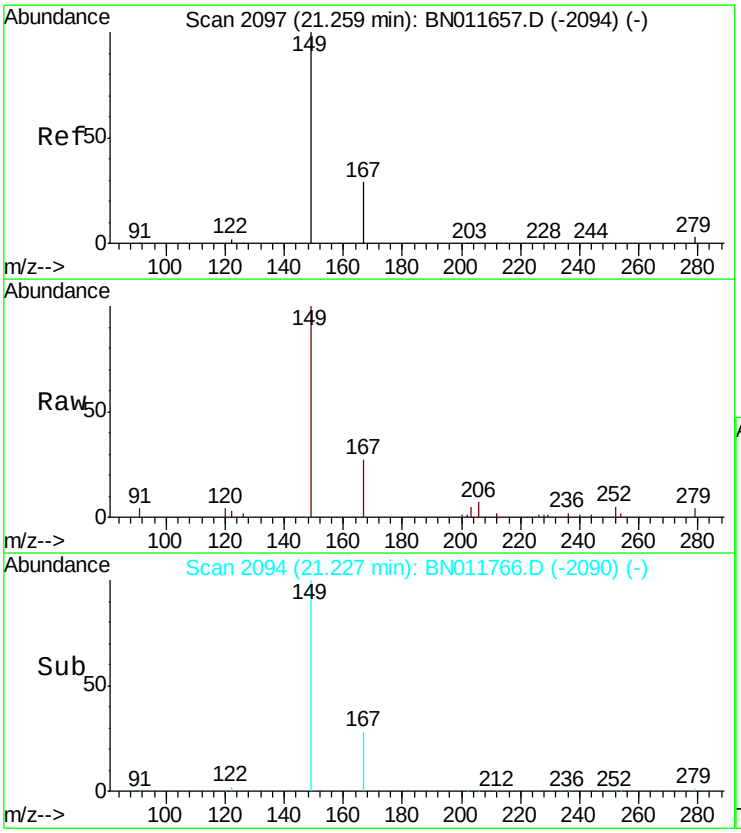
#33
Chrysene
Concen: 0.357 ng
RT: 21.34 min Scan# 2105
Delta R.T. 0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:228 Resp: 14334

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.7	34.1
229	19.7	15.9	23.9

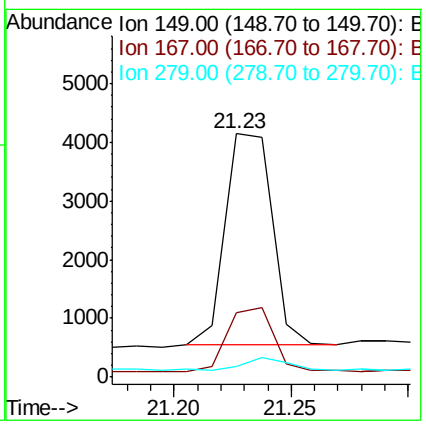


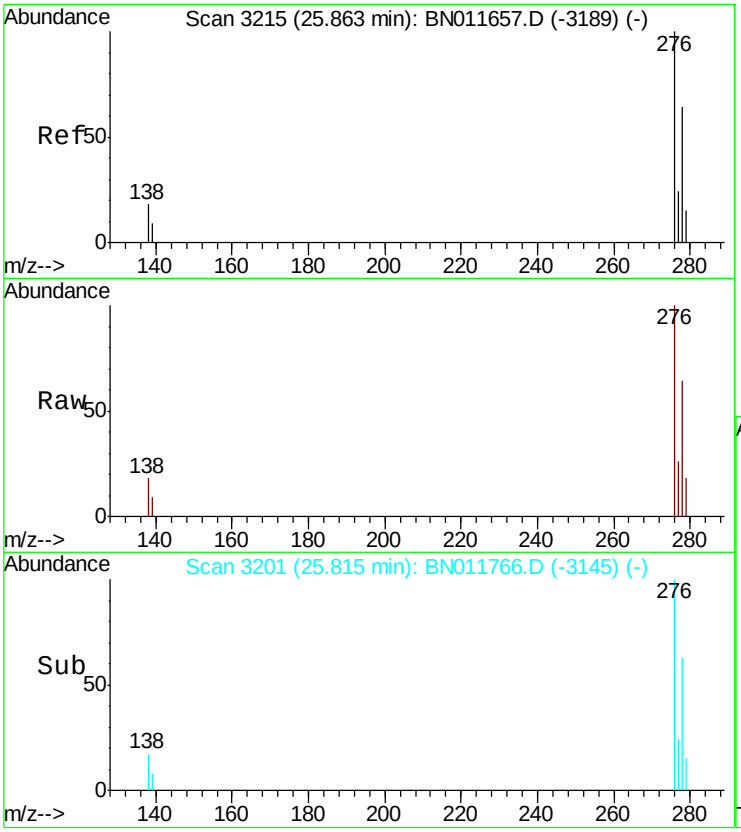


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.317 ng
RT: 21.23 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:149 Resp: 5030

Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.2	34.8
279	5.3	4.0	6.0



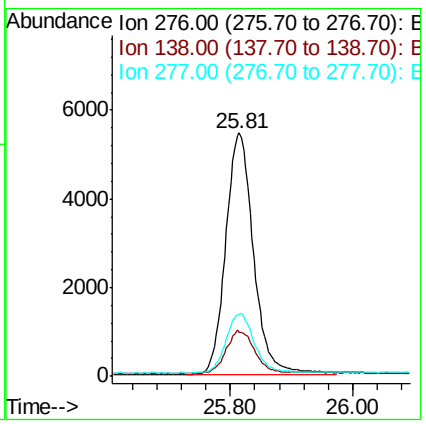


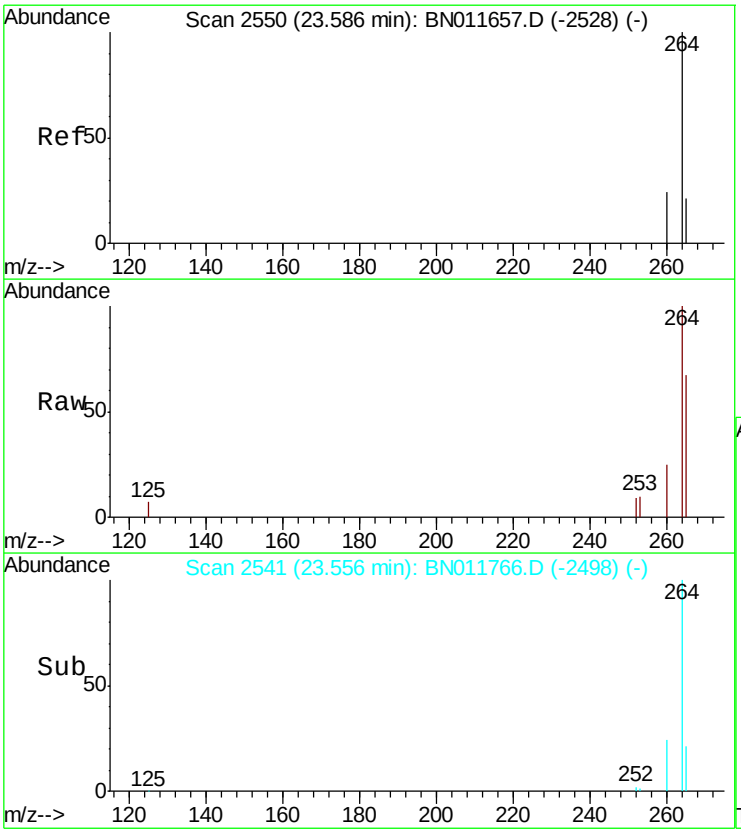
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.325 ng
RT: 25.81 min Scan# 3201
Delta R.T. -0.01 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:276 Resp: 17051

Ion	Ratio	Lower	Upper
276	100		
138	17.9	15.4	23.2
277	24.7	20.1	30.1

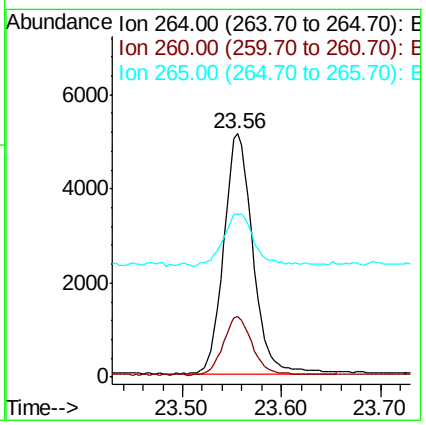


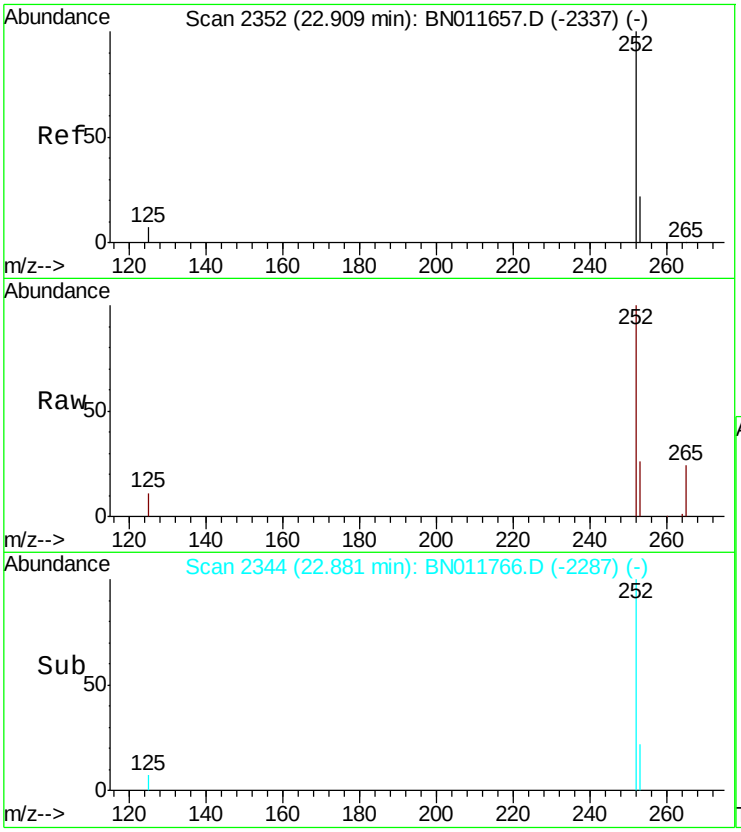


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.56 min Scan# 2541
Delta R.T. -0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:264 Resp: 10357

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.6
265	67.0	38.9	58.3#



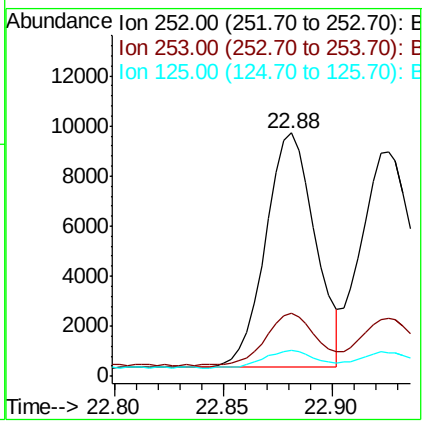


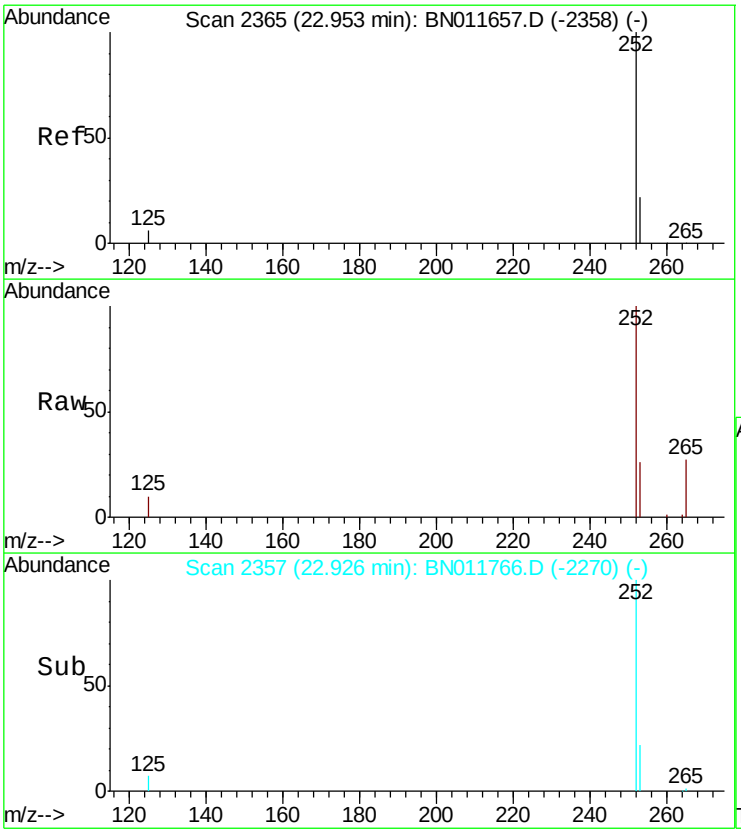
#37
Benzo(b)fluoranthene
Concen: 0.374 ng
RT: 22.88 min Scan# 2344
Delta R.T. -0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:252 Resp: 14853

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.7	29.5
125	10.5	7.8	11.8

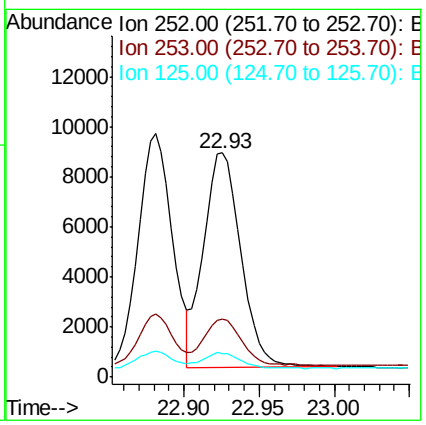


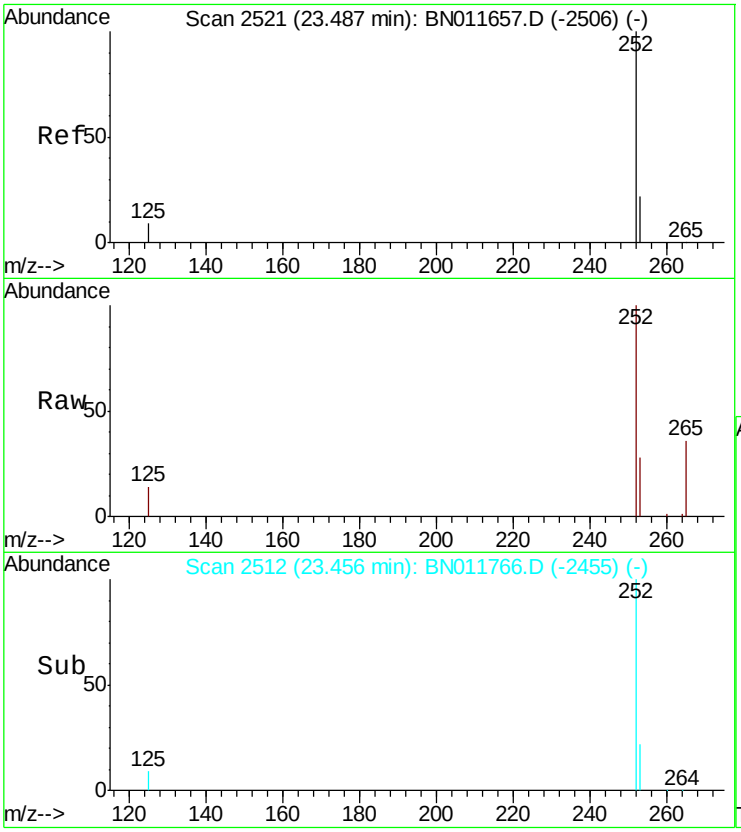


#38
Benzo(k)fluoranthene
Concen: 0.366 ng
RT: 22.93 min Scan# 2357
Delta R.T. -0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:252 Resp: 14862

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.4	29.0
125	10.5	8.4	12.6



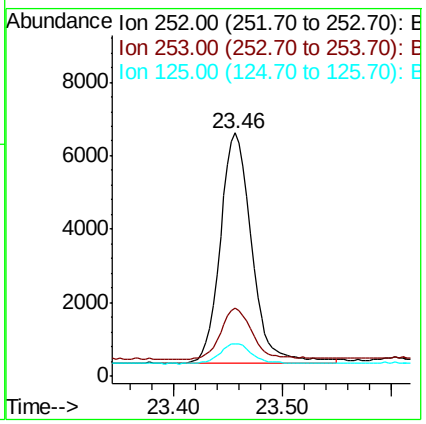


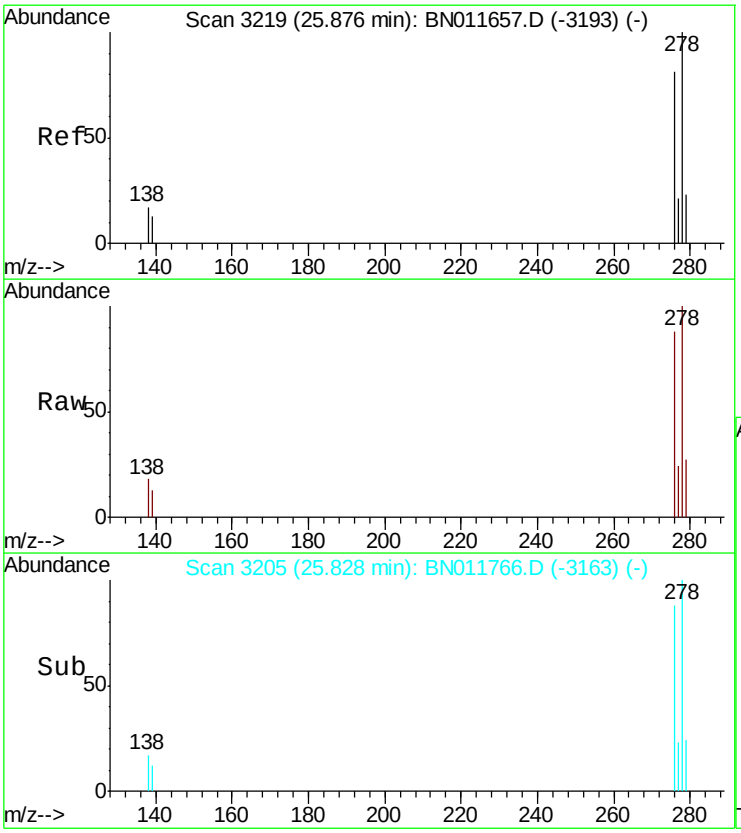
#39
Benzo(a)pyrene
Concen: 0.351 ng
RT: 23.46 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:252 Resp: 12470

Ion	Ratio	Lower	Upper
252	100		
253	27.8	20.3	30.5
125	13.5	9.8	14.6

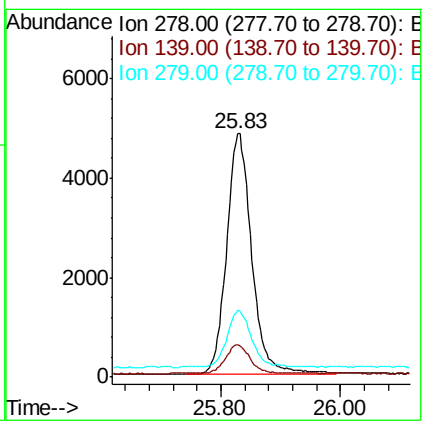


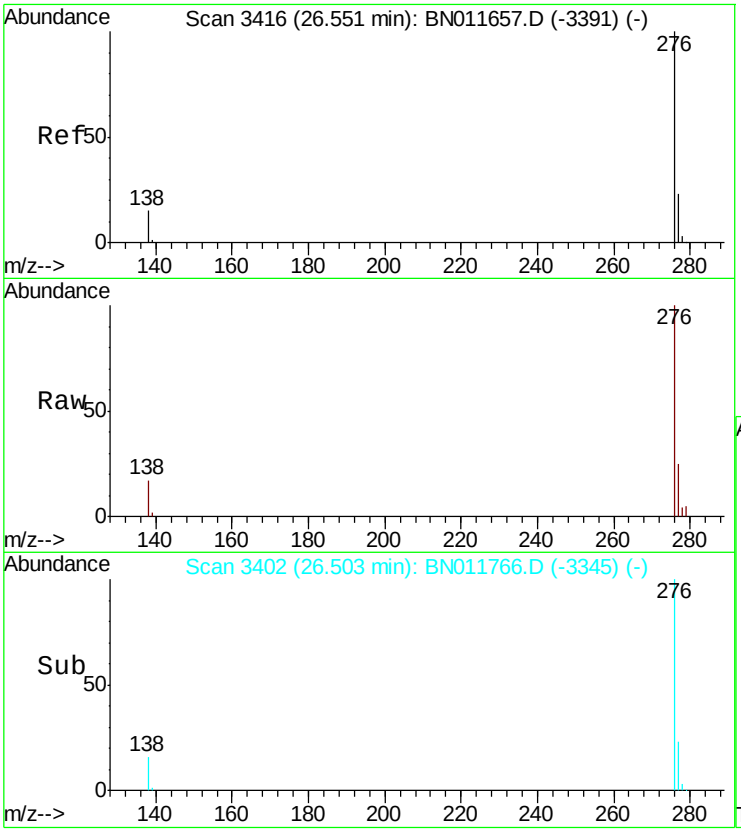


#40
Dibenzo(a,h)anthracene
Concen: 0.353 ng
RT: 25.83 min Scan# 3205
Delta R.T. -0.01 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Tgt Ion:278 Resp: 14134

Ion	Ratio	Lower	Upper
278	100		
139	13.5	11.0	16.6
279	27.5	20.5	30.7





#41
Benzo(g,h,i)perylene
Concen: 0.371 ng
RT: 26.50 min Scan# 3402
Delta R.T. -0.00 min
Lab File: BN011766.D
Acq: 09 Sep 2020 14:08

Instrument :
BNA_N
ClientSampleId :
PB131431BS

Tgt Ion:276 Resp: 14563

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.7	29.5
138	17.3	13.4	20.2