Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN063020\
Data File : BN011076.D
Acq On : 30 Jun 2020 11:43
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC0.8

Quant Time: Jun 30 12:28:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 11:38:45 2020
Response via : Initial Calibration

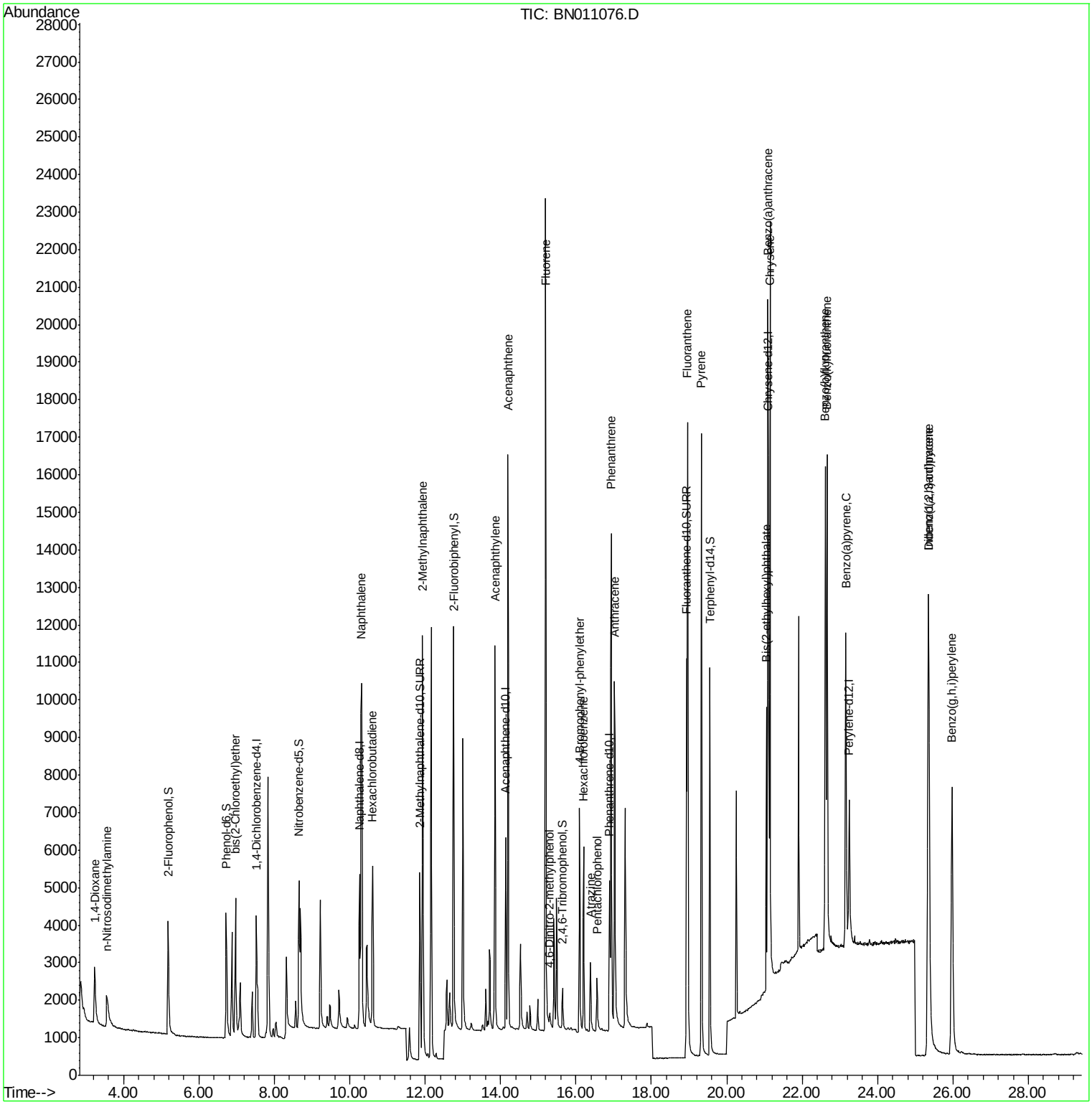
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	1816	0.40	ng		0.00
7) Naphthalene-d8	10.27	136	5888	0.40	ng		0.00
13) Acenaphthene-d10	14.13	164	3099	0.40	ng		0.00
19) Phenanthrene-d10	16.89	188	6233	0.40	ng		-0.01
29) Chrysene-d12	21.10	240	6343	0.40	ng		-0.01
36) Perylene-d12	23.25	264	5483	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	3816	0.75	ng		0.00
5) Phenol-d6	6.72	99	4349	0.72	ng		0.00
8) Nitrobenzene-d5	8.66	82	4045	0.75	ng		0.00
11) 2-Methylnaphthalene-d10	11.86	152	7824	0.75	ng		0.00
14) 2,4,6-Tribromophenol	15.64	330	964	0.71	ng		-0.01
15) 2-Fluorobiphenyl	12.76	172	11992	0.83	ng		0.00
27) Fluoranthene-d10	18.93	212	14221	0.72	ng		0.00
31) Terphenyl-d14	19.55	244	11914	0.70	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	2116	0.867	ng		98
3) n-Nitrosodimethylamine	3.55	42	1063	0.780	ng	#	96
6) bis(2-Chloroethyl)ether	6.97	93	3702	0.707	ng		99
9) Naphthalene	10.32	128	13679	0.765	ng		98
10) Hexachlorobutadiene	10.61	225	3378	0.784	ng	#	100
12) 2-Methylnaphthalene	11.93	142	8962	0.748	ng		99
16) Acenaphthylene	13.85	152	11840	0.758	ng		99
17) Acenaphthene	14.20	154	8005	0.763	ng		99
18) Fluorene	15.20	166	9997	0.747	ng		99
20) 4,6-Dinitro-2-methylphenol	15.30	198	514	0.492	ng	#	77
21) 4-Bromophenyl-phenylether	16.10	248	3135	0.727	ng		92
22) Hexachlorobenzene	16.20	284	3665	0.769	ng		97
23) Atrazine	16.39	200	2200	0.691	ng		97
24) Pentachlorophenol	16.56	266	985	0.654	ng		95
25) Phenanthrene	16.93	178	15186	0.723	ng		100
26) Anthracene	17.02	178	12662	0.726	ng		99
28) Fluoranthene	18.97	202	17227	0.718	ng		100
30) Pyrene	19.33	202	17133	0.702	ng		99
32) Benzo(a)anthracene	21.09	228	16425	0.747	ng		99
33) Chrysene	21.14	228	18269	0.763	ng		99
34) Bis(2-ethylhexyl)phthalate	21.05	149	6138	0.695	ng		99
35) Indeno(1,2,3-cd)pyrene	25.35	276	17811	0.668	ng		99
37) Benzo(b)fluoranthene	22.62	252	16505	0.761	ng		95
38) Benzo(k)fluoranthene	22.66	252	17361	0.770	ng		94
39) Benzo(a)pyrene	23.16	252	14189	0.737	ng		92
40) Dibenzo(a,h)anthracene	25.36	278	14241	0.686	ng		94
41) Benzo(g,h,i)perylene	25.98	276	15705	0.730	ng		96

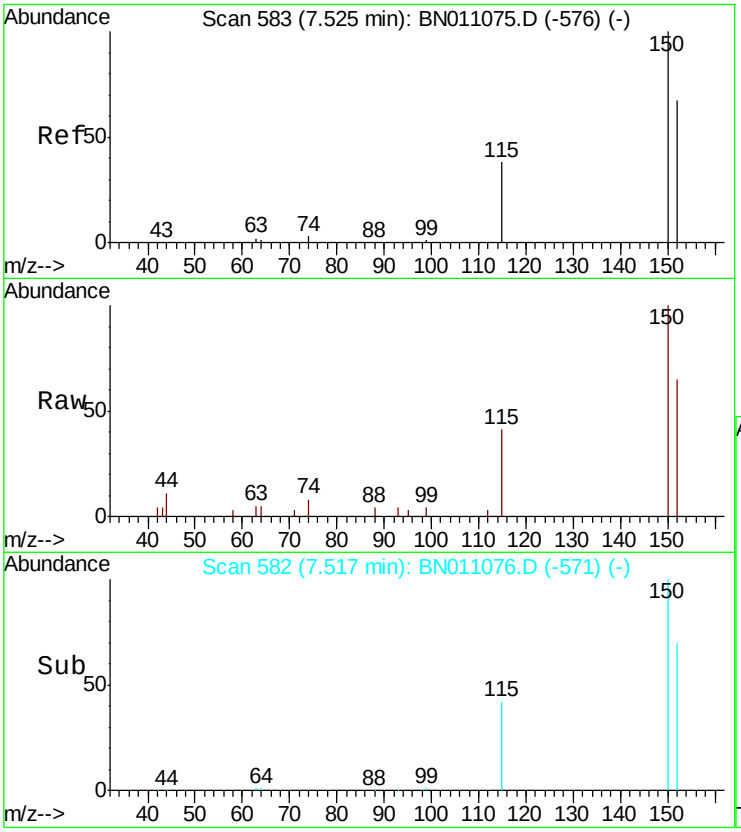
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN063020\
Data File : BN011076.D
Acq On : 30 Jun 2020 11:43
Operator : CG/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jun 30 12:28:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 11:38:45 2020
Response via : Initial Calibration



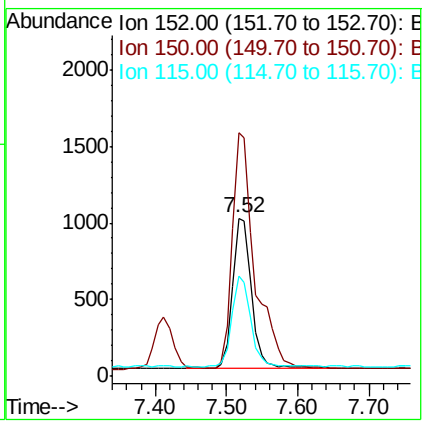


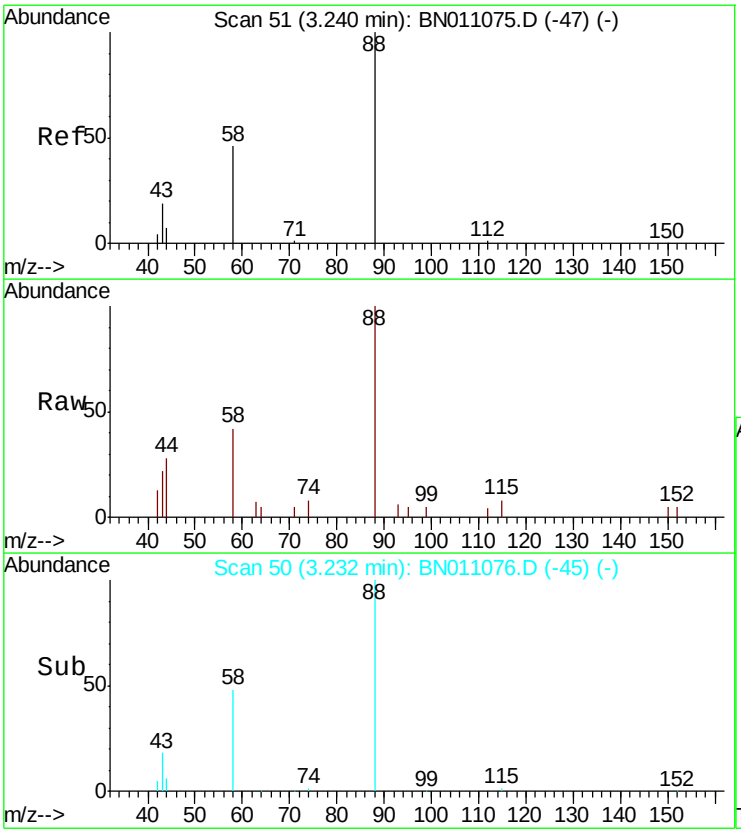
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 1816

Ion	Ratio	Lower	Upper
152	100		
150	153.7	117.4	176.0
115	63.6	47.9	71.9

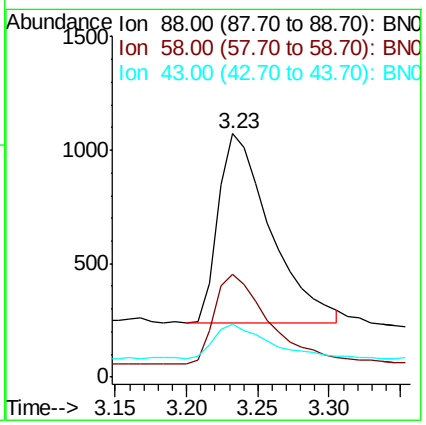


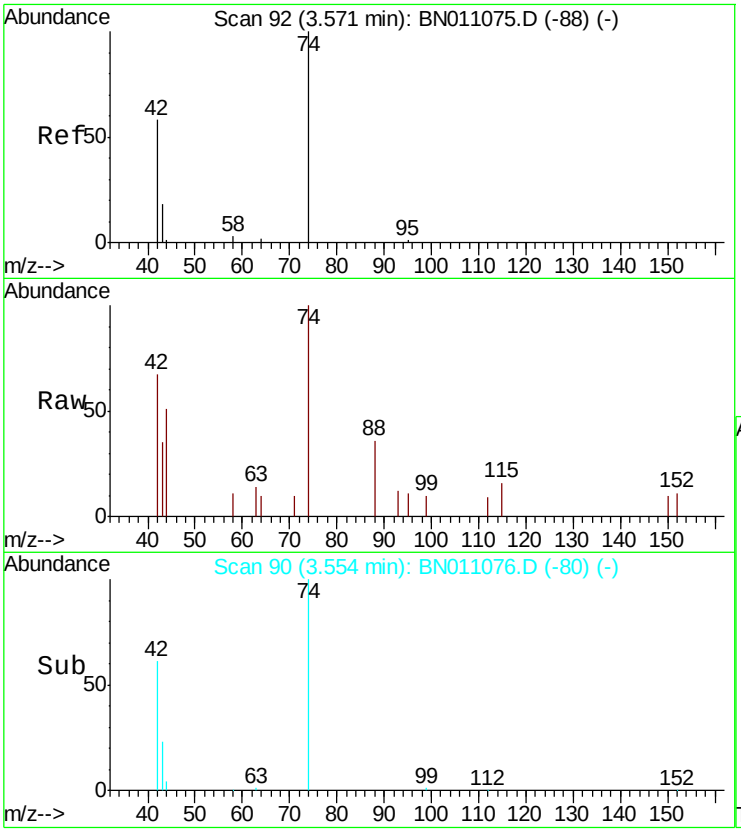


#2
1,4-Dioxane
Concen: 0.867 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion: 88 Resp: 2116

Ion	Ratio	Lower	Upper
88	100		
58	49.3	38.6	57.8
43	19.8	15.4	23.0



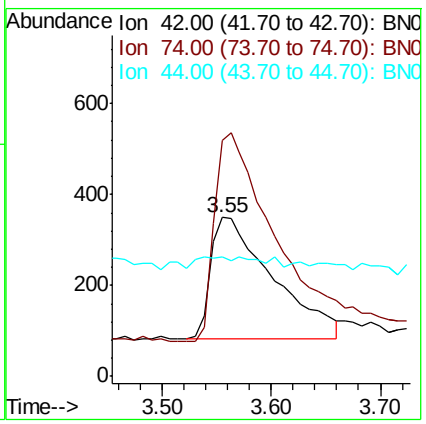


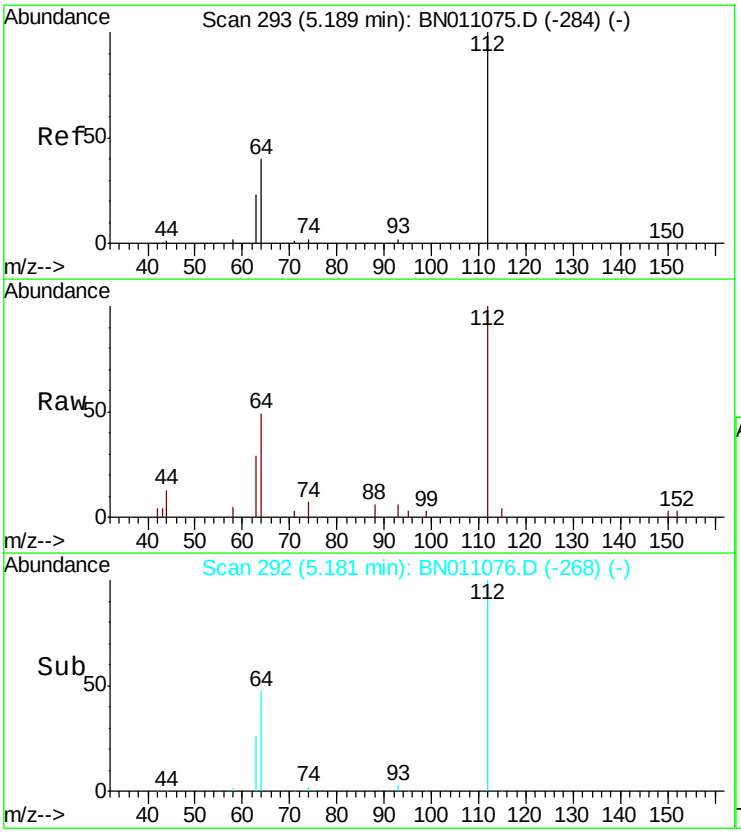
#3
n-Nitrosodimethylamine
Concen: 0.780 ng
RT: 3.55 min Scan# 90
Delta R.T. -0.02 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 1063

Ion	Ratio	Lower	Upper
42	100		
74	171.9	142.5	213.7
44	0.0	0.0	0.0

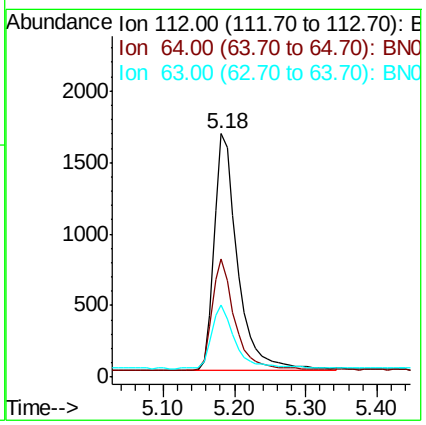


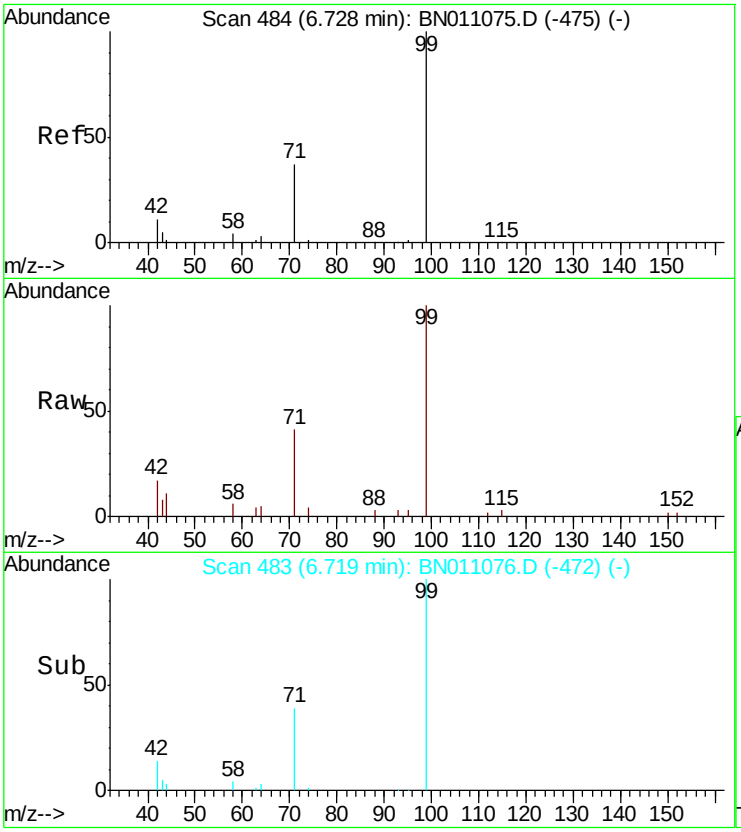


#4
2-Fluorophenol
Concen: 0.745 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:112 Resp: 3816

Ion	Ratio	Lower	Upper
112	100		
64	45.4	36.5	54.7
63	26.8	20.6	30.8



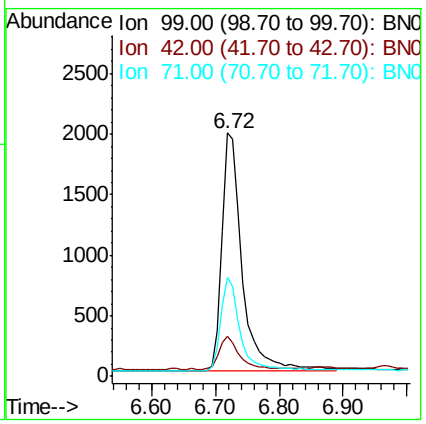


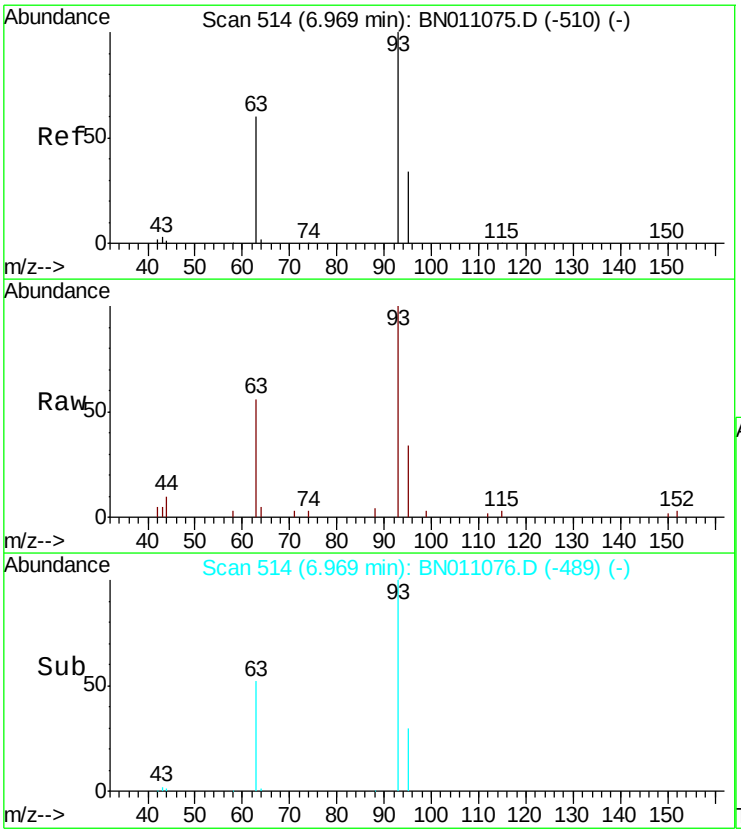
#5
Phenol-d6
Concen: 0.718 ng
RT: 6.72 min Scan# 483
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 4349

Ion	Ratio	Lower	Upper
99	100		
42	13.9	9.8	14.8
71	37.3	30.7	46.1

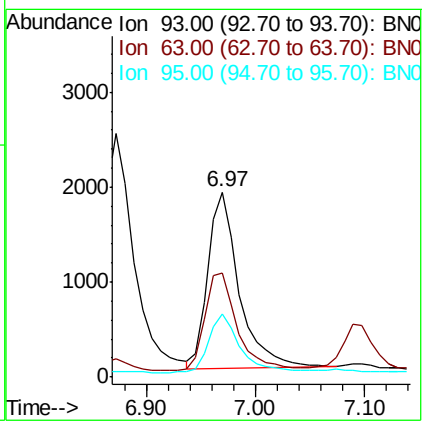


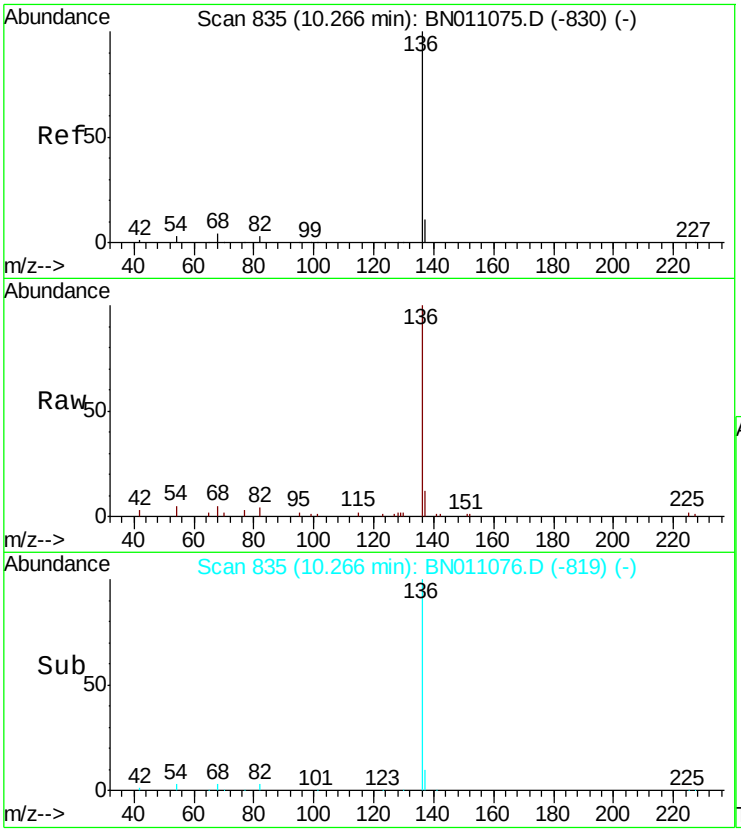


#6
bis(2-Chloroethyl)ether
Concen: 0.707 ng
RT: 6.97 min Scan# 514
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion: 93 Resp: 3702

Ion	Ratio	Lower	Upper
93	100		
63	57.8	47.4	71.2
95	33.0	26.4	39.6



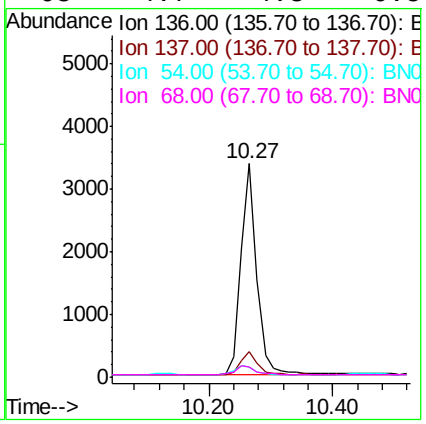


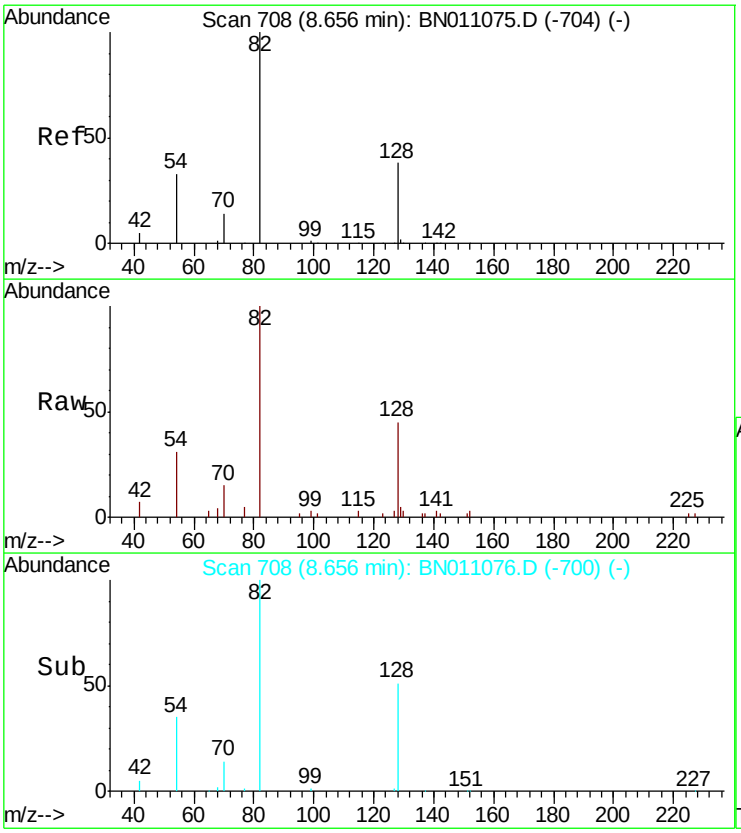
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.27 min Scan# 835
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 5888

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	4.6	3.8	5.6
68	4.7	4.3	6.5

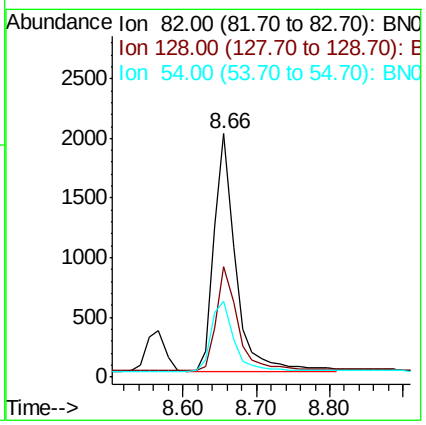


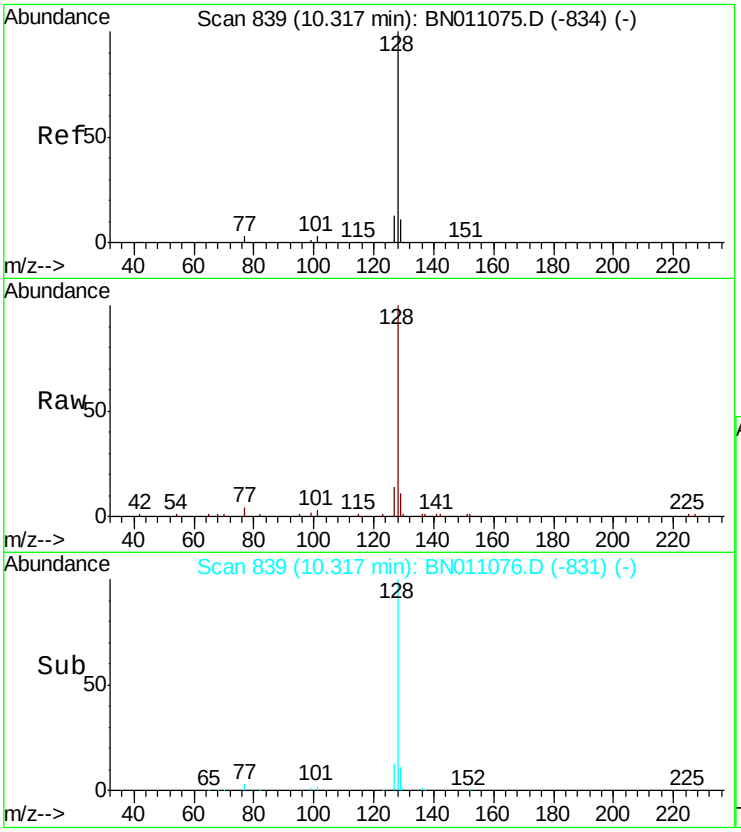


#8
Nitrobenzene-d5
Concen: 0.754 ng
RT: 8.66 min Scan# 708
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion: 82 Resp: 4045

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.2	51.2
54	31.3	29.4	44.0



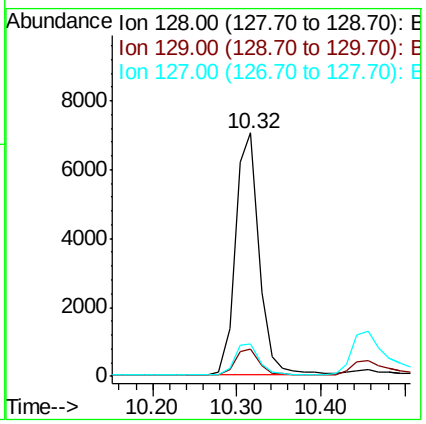


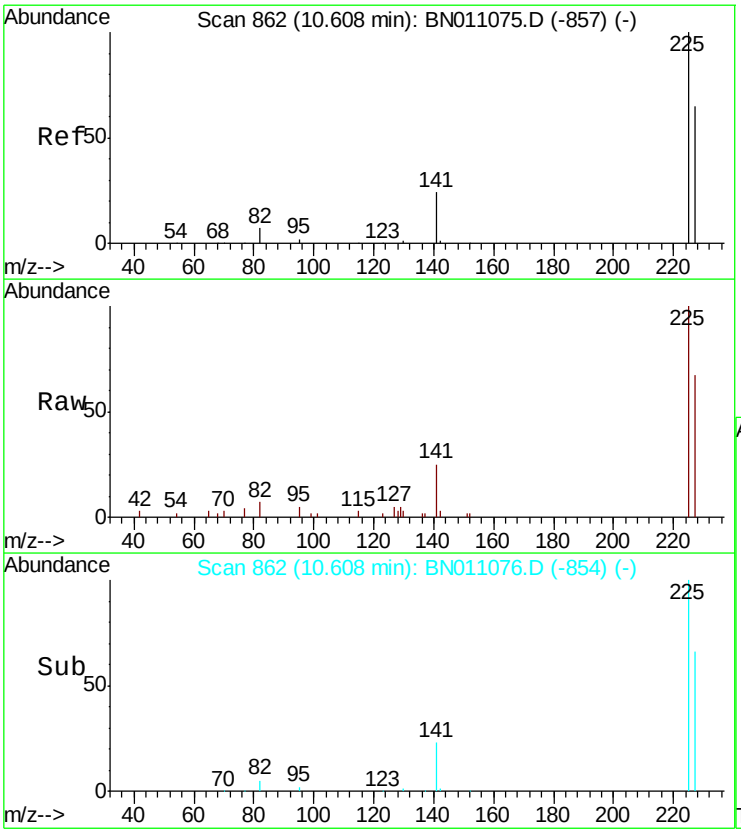
#9
Naphthalene
Concen: 0.765 ng
RT: 10.32 min Scan# 839
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 13679

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.8	14.8
127	13.5	11.3	16.9

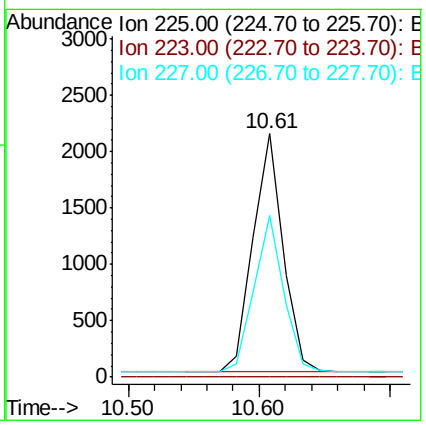


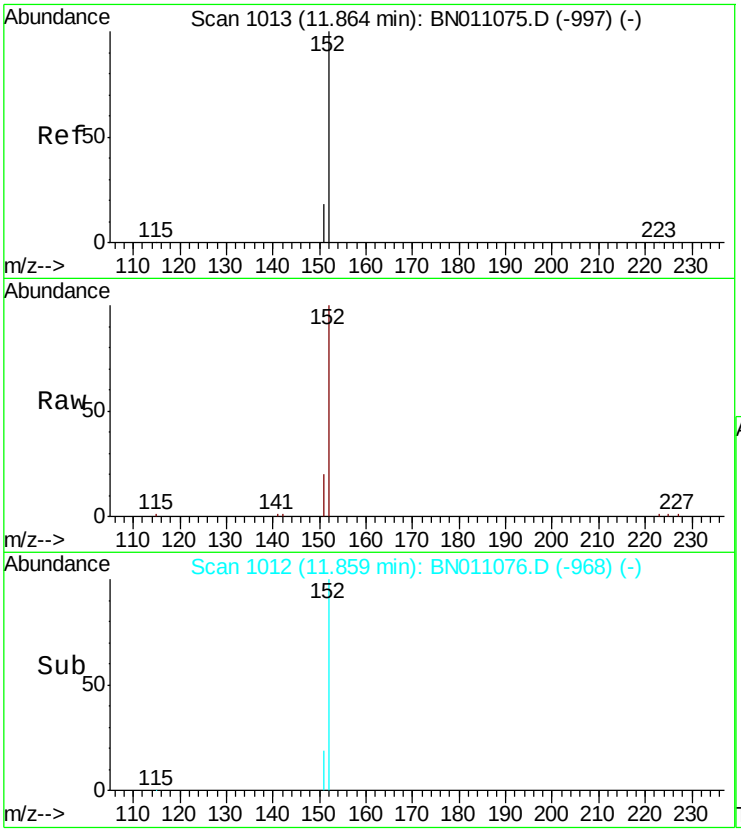


#10
Hexachlorobutadiene
Concen: 0.784 ng
RT: 10.61 min Scan# 862
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:225 Resp: 3378

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.4	77.2



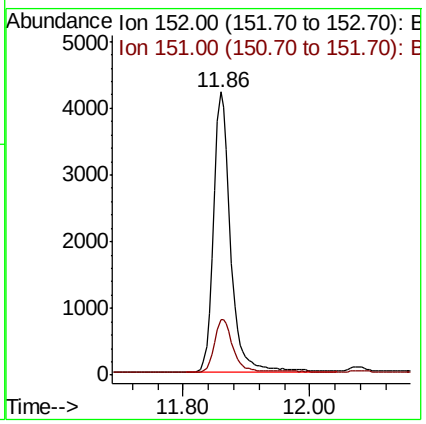


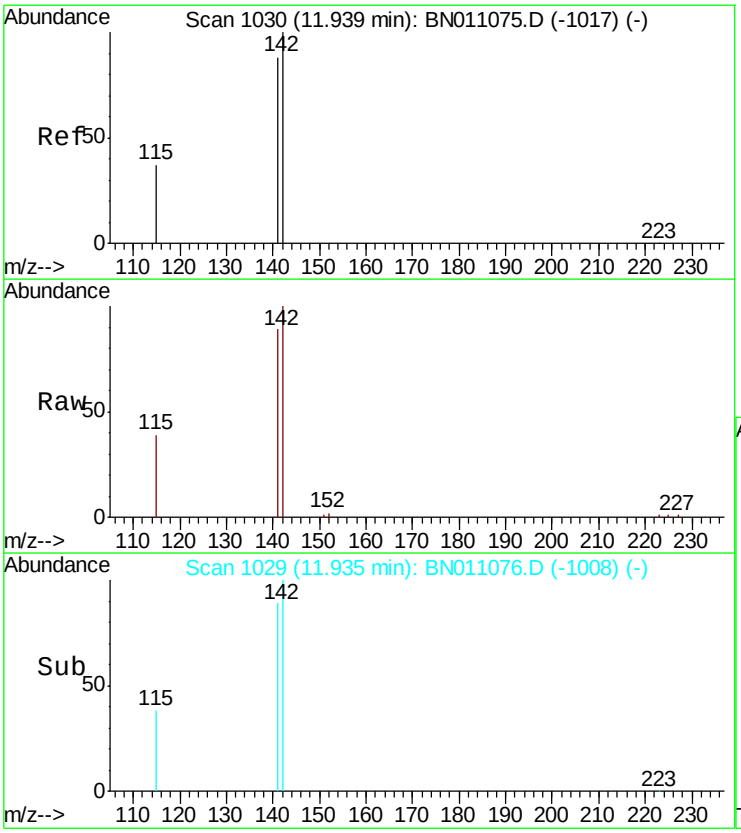
#11
2-Methylnaphthalene-d10
Concen: 0.753 ng
RT: 11.86 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 7824

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	24.8

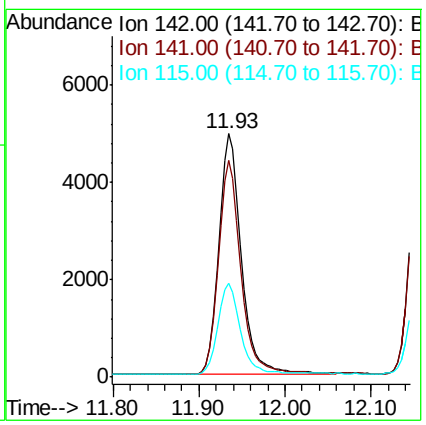


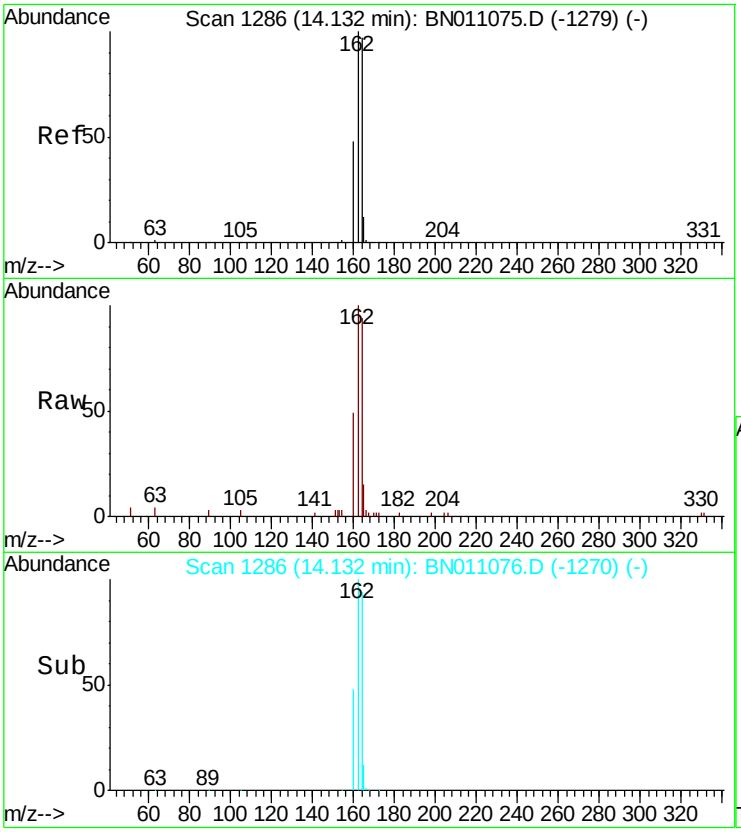


#12
2-Methylnaphthalene
Concen: 0.748 ng
RT: 11.93 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:142 Resp: 8962

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	38.5	31.2	46.8



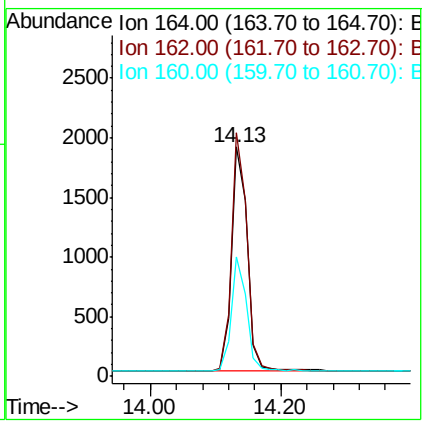


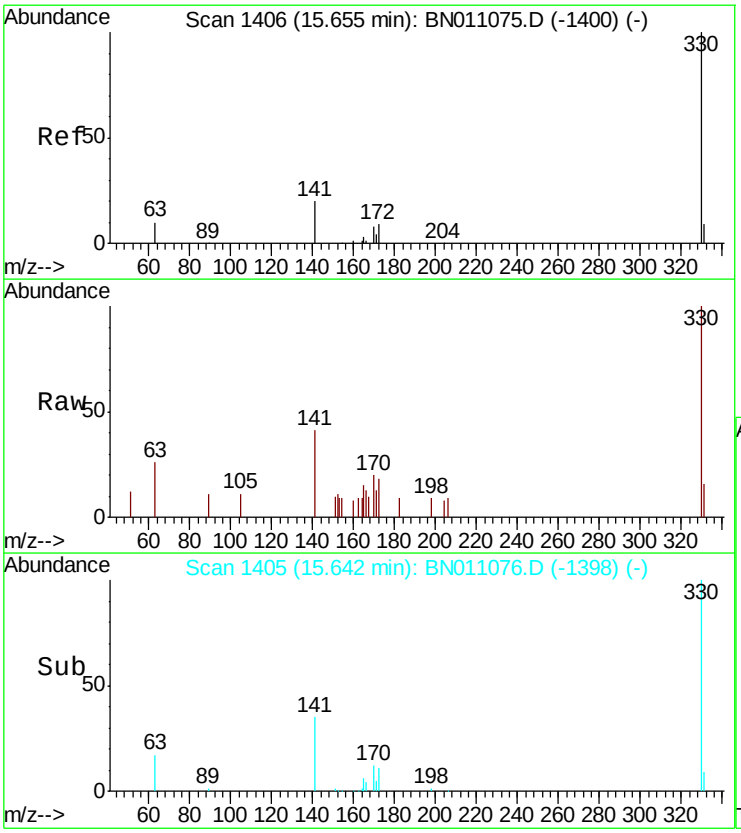
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.13 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 3099

Ion	Ratio	Lower	Upper
164	100		
162	106.4	82.3	123.5
160	52.1	40.6	61.0

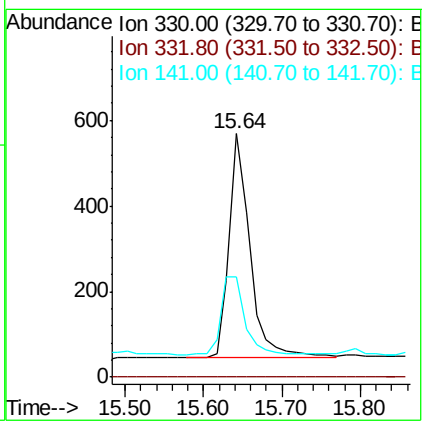


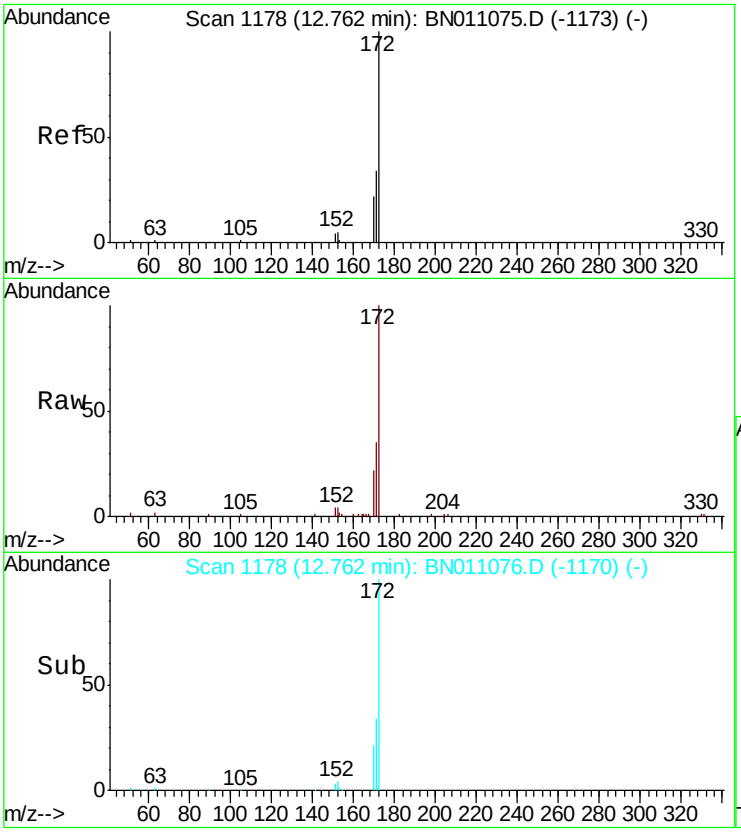


#14
2,4,6-Tribromophenol
Concen: 0.708 ng
RT: 15.64 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:330 Resp: 964

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.9	32.6	49.0



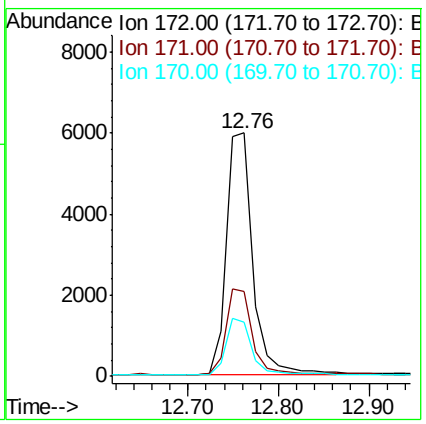


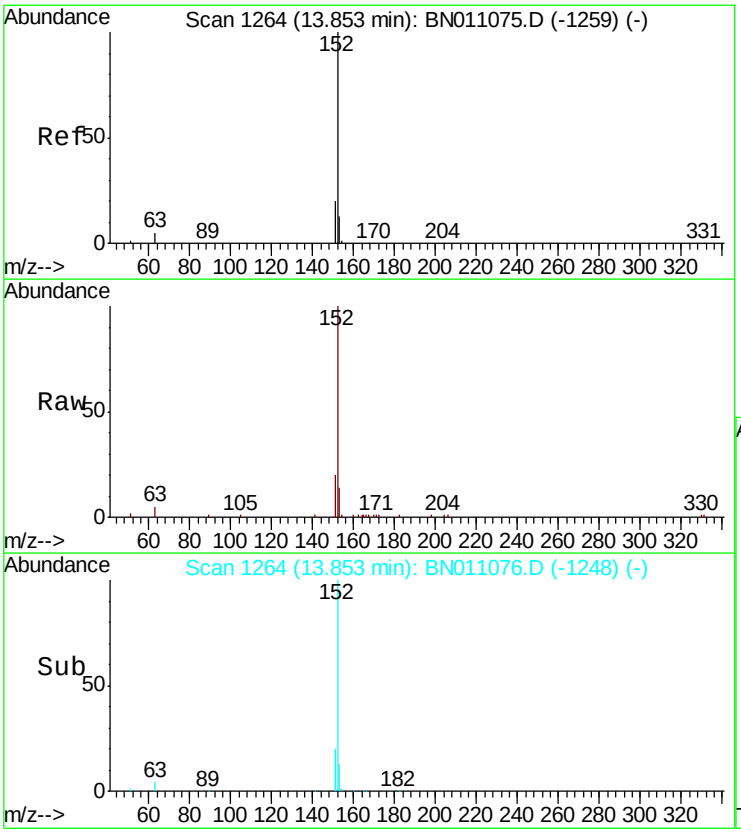
#15
2-Fluorobiphenyl
Concen: 0.830 ng
RT: 12.76 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 11992

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	22.1	18.7	28.1

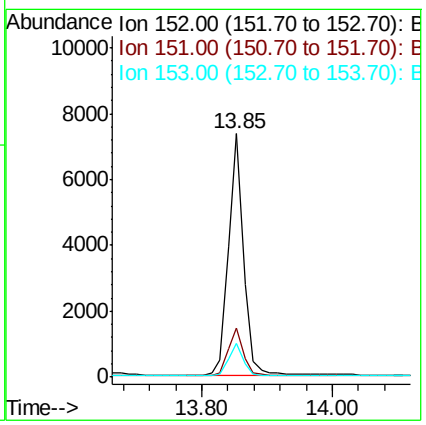


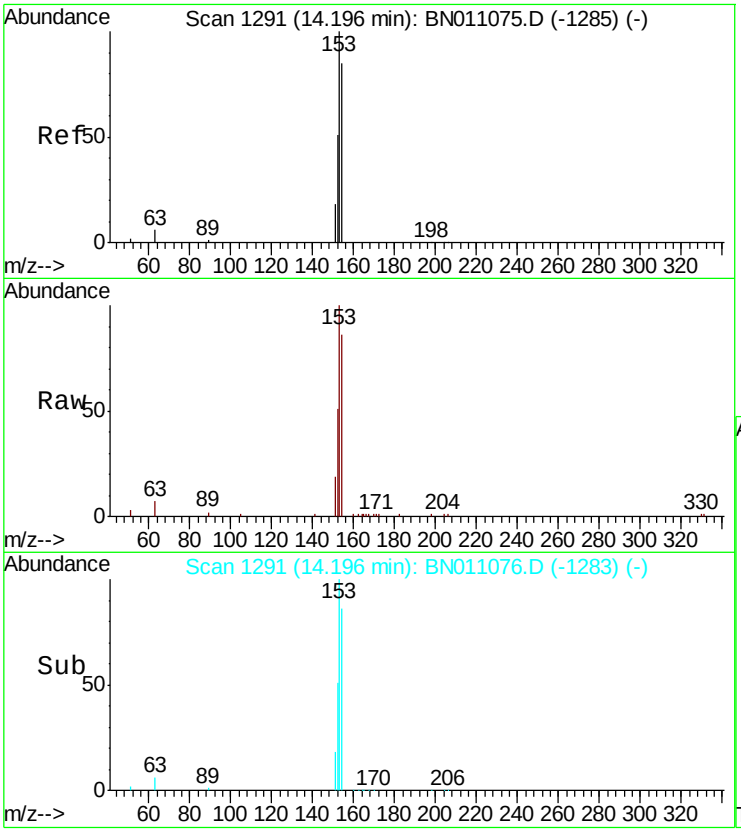


#16
Acenaphthylene
Concen: 0.758 ng
RT: 13.85 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:152 Resp: 11840

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.8	16.2



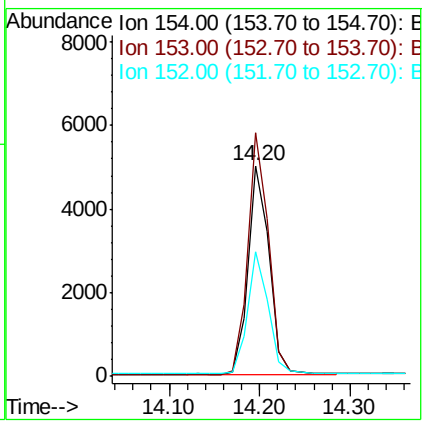


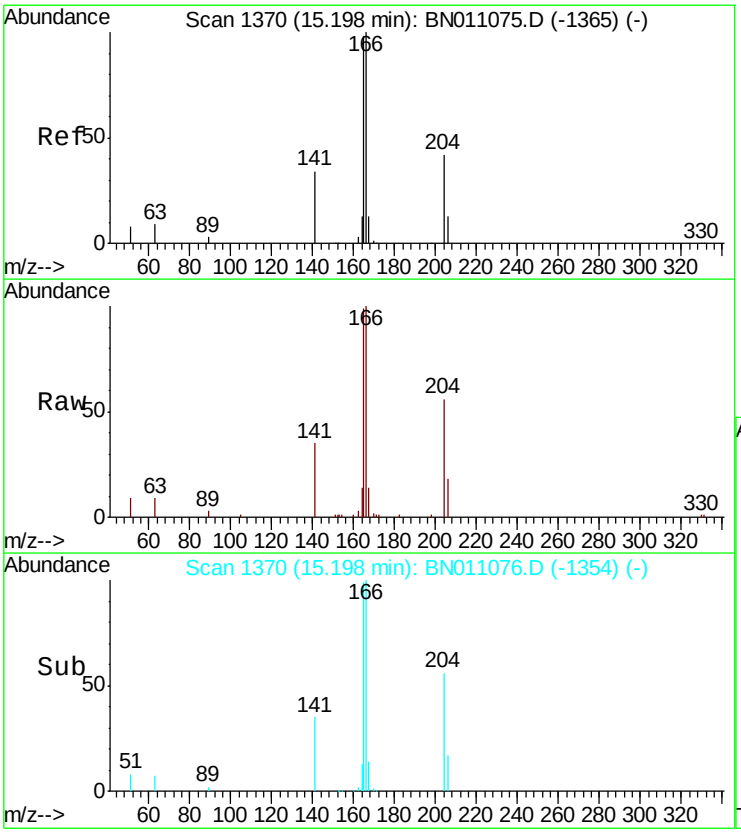
#17
Acenaphthene
Concen: 0.763 ng
RT: 14.20 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 8005

Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.7	137.5
152	57.8	46.8	70.2

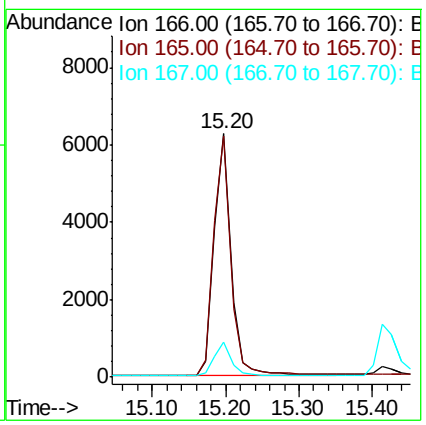


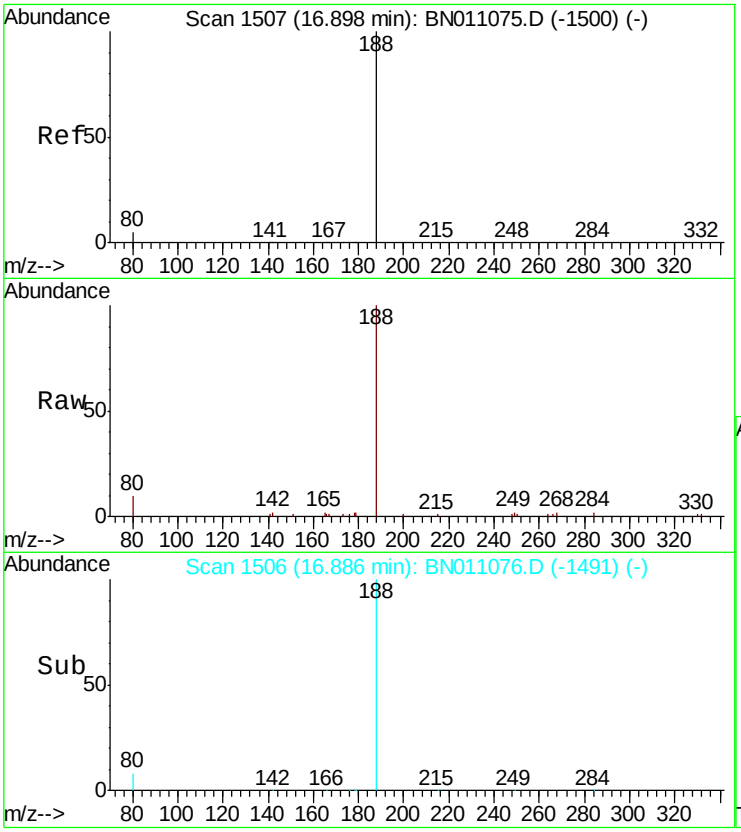


#18
Fluorene
Concen: 0.747 ng
RT: 15.20 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:166 Resp: 9997

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.9	118.3
167	13.7	10.9	16.3



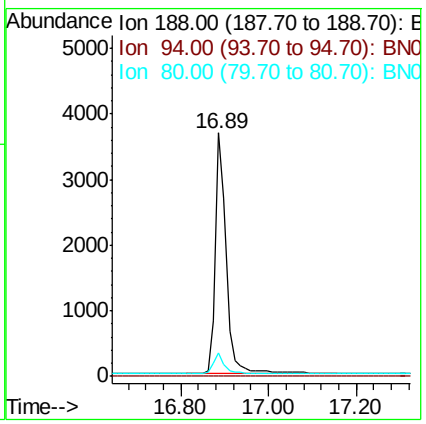


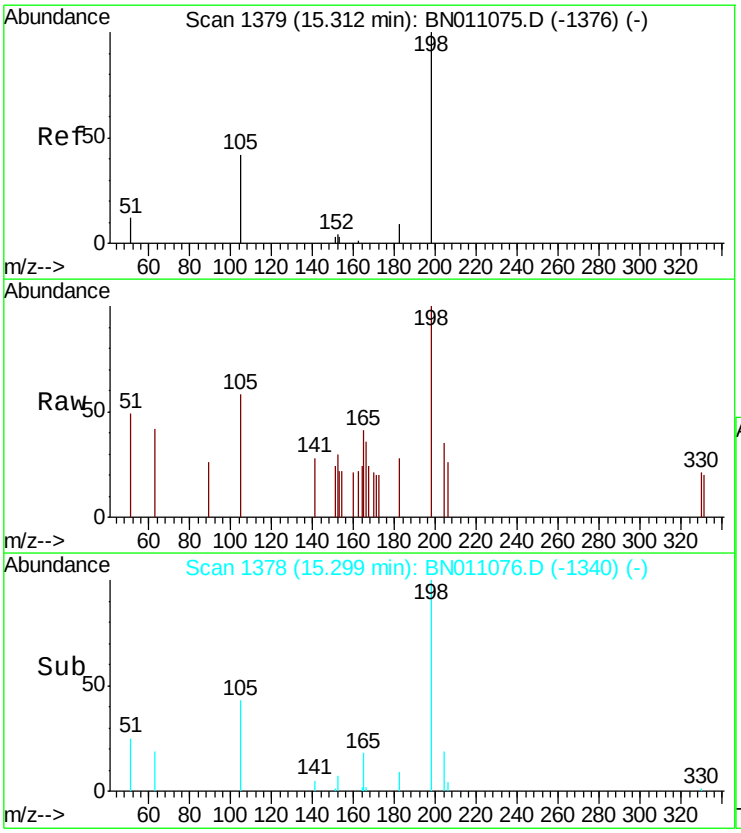
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.89 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 6233

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	5.3	7.9#

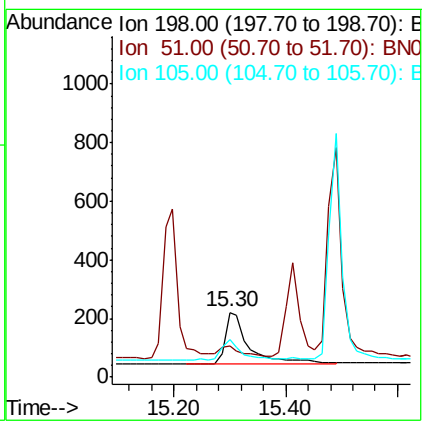


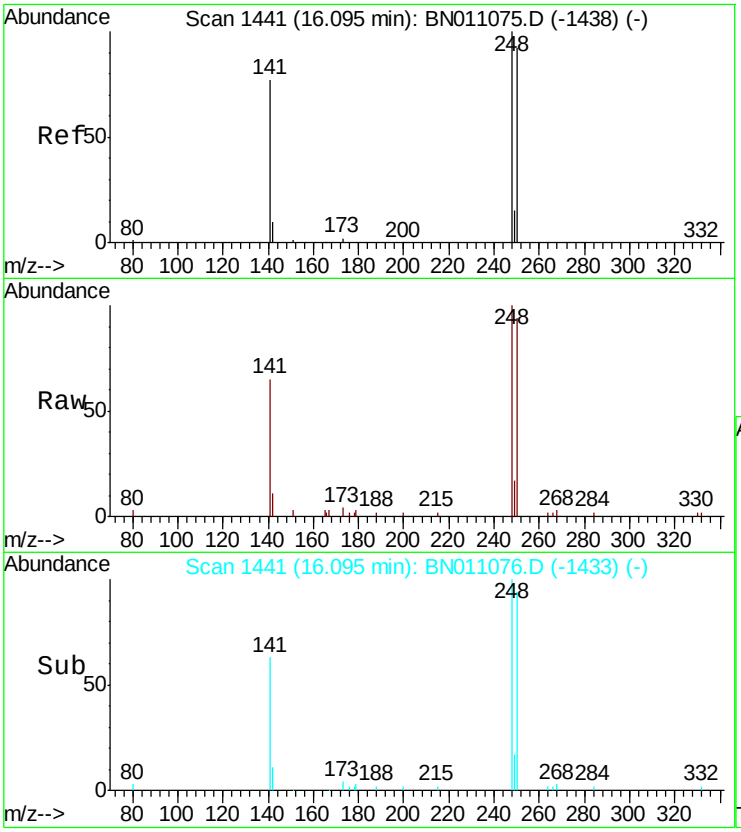


#20
4,6-Dinitro-2-methylphenol
Concen: 0.492 ng
RT: 15.30 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:198 Resp: 514

Ion	Ratio	Lower	Upper
198	100		
51	49.1	58.2	87.4#
105	58.2	59.0	88.4#



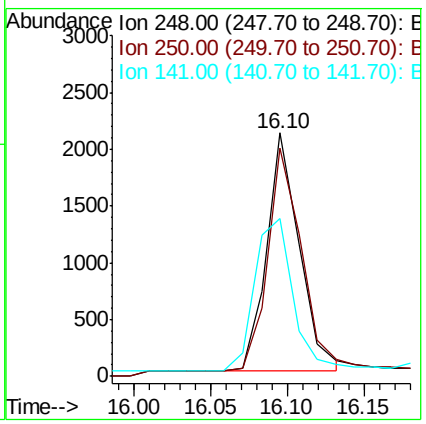


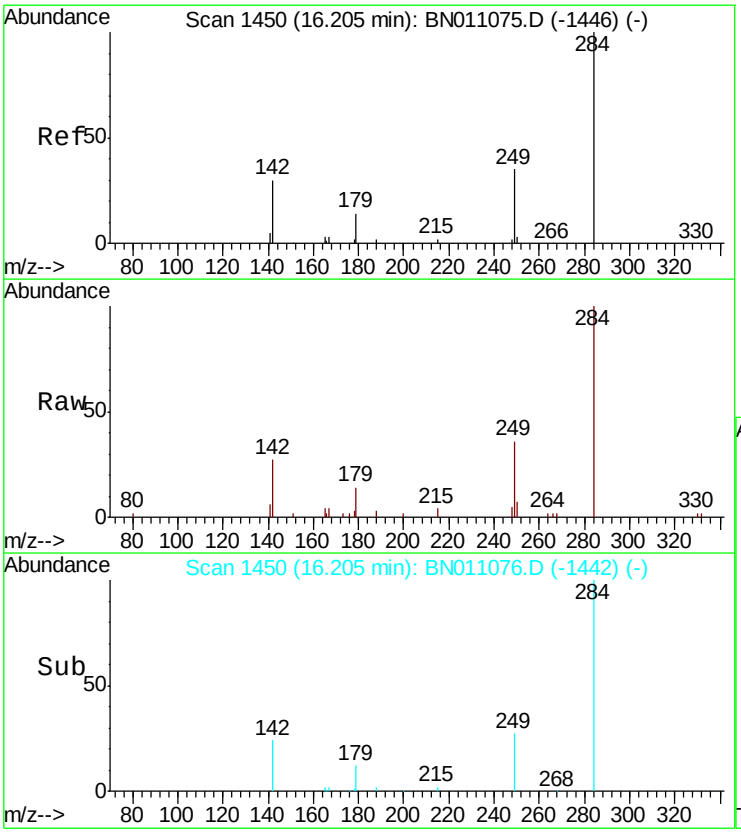
#21
4-Bromophenyl-phenylether
Concen: 0.727 ng
RT: 16.10 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 3135

Ion	Ratio	Lower	Upper
248	100		
250	94.0	73.8	110.8
141	65.0	63.1	94.7

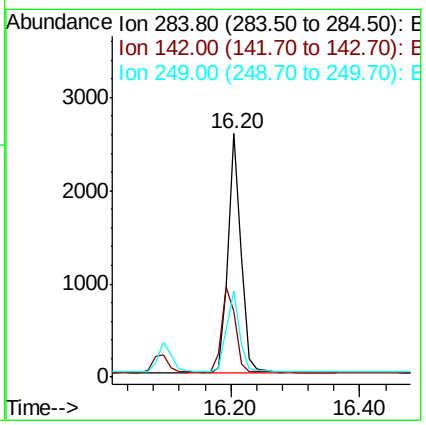


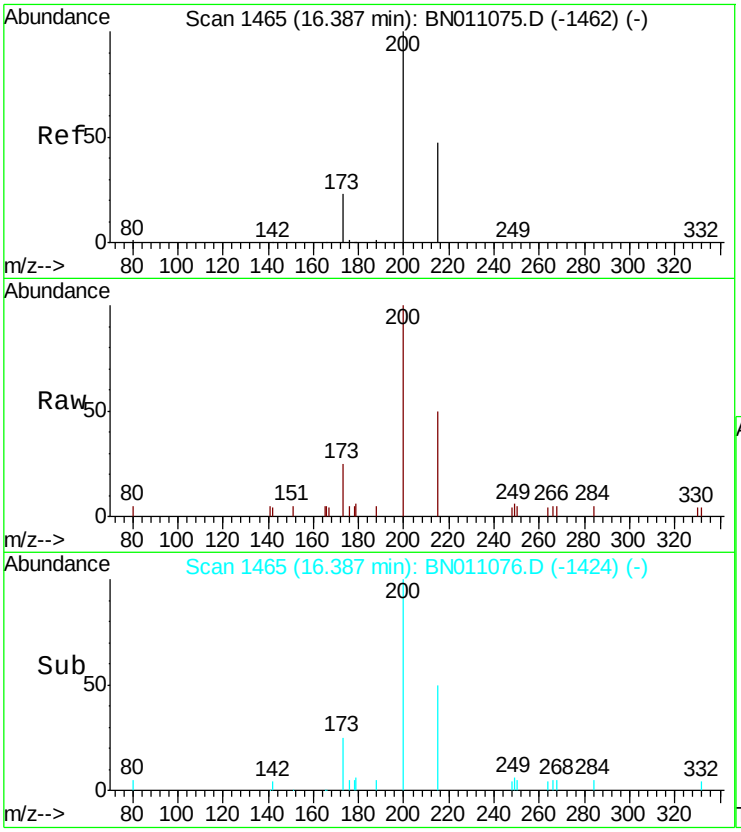


#22
Hexachlorobenzene
Concen: 0.769 ng
RT: 16.20 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:284 Resp: 3665

Ion	Ratio	Lower	Upper
284	100		
142	38.3	33.3	49.9
249	34.4	27.4	41.2



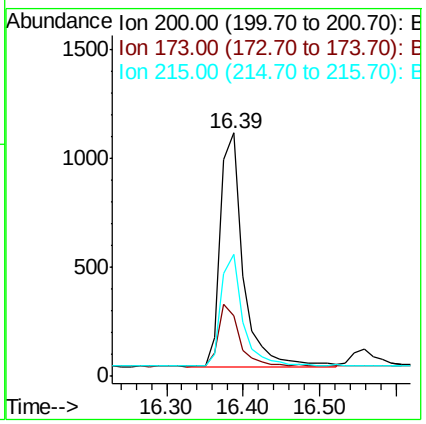


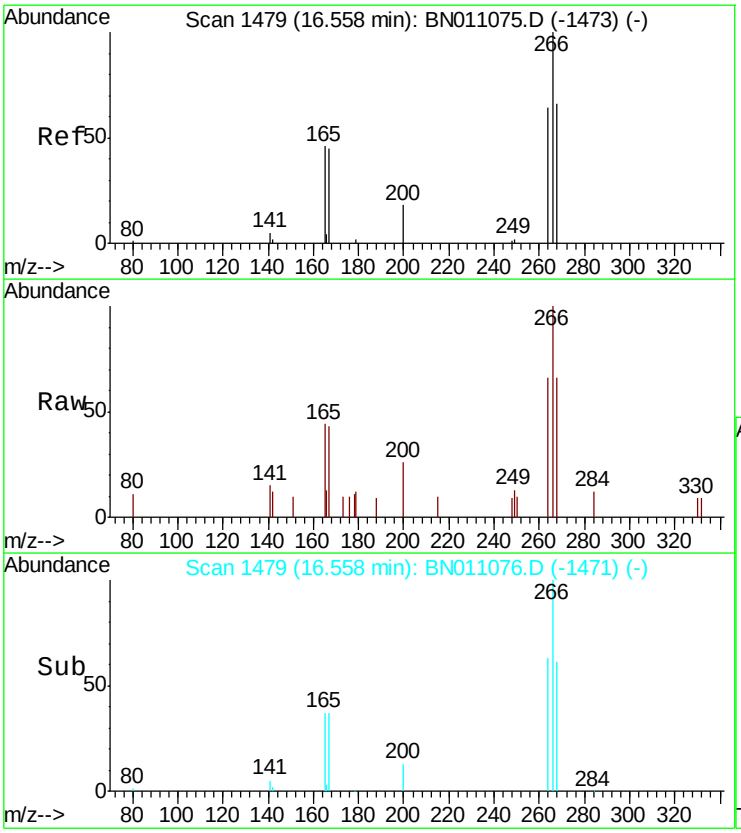
#23
Atrazine
Concen: 0.691 ng
RT: 16.39 min Scan# 1465
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 2200

Ion	Ratio	Lower	Upper
200	100		
173	24.9	22.8	34.2
215	50.0	40.7	61.1

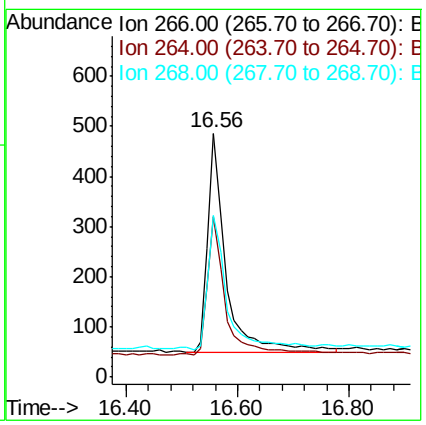


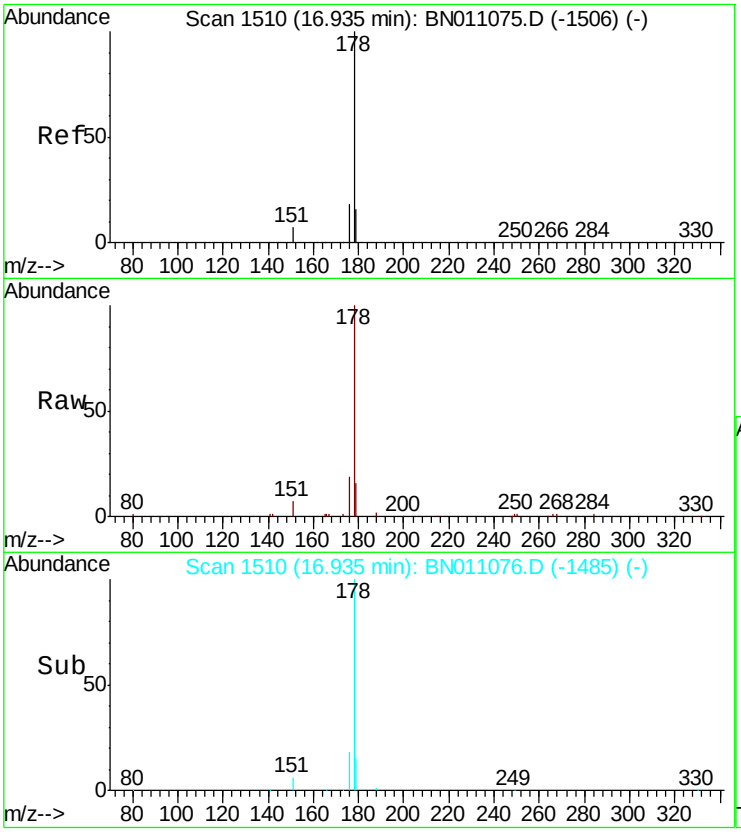


#24
Pentachlorophenol
Concen: 0.654 ng
RT: 16.56 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:266 Resp: 985

Ion	Ratio	Lower	Upper
266	100		
264	61.9	47.4	71.0
268	63.9	55.0	82.4



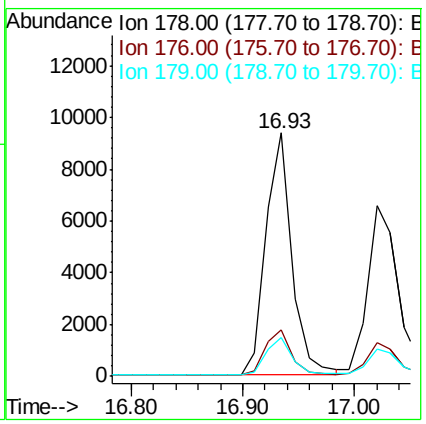


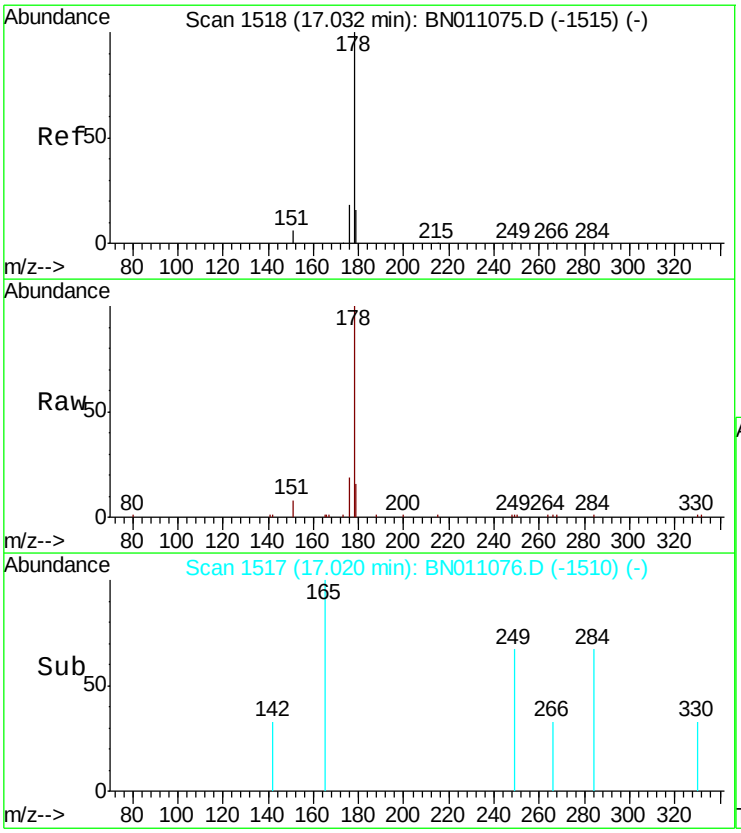
#25
Phenanthrene
Concen: 0.723 ng
RT: 16.93 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 15186

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.5	12.5	18.7

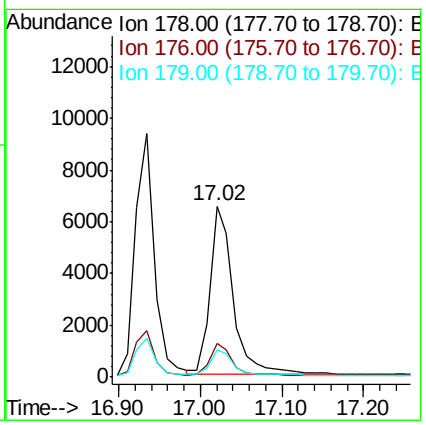


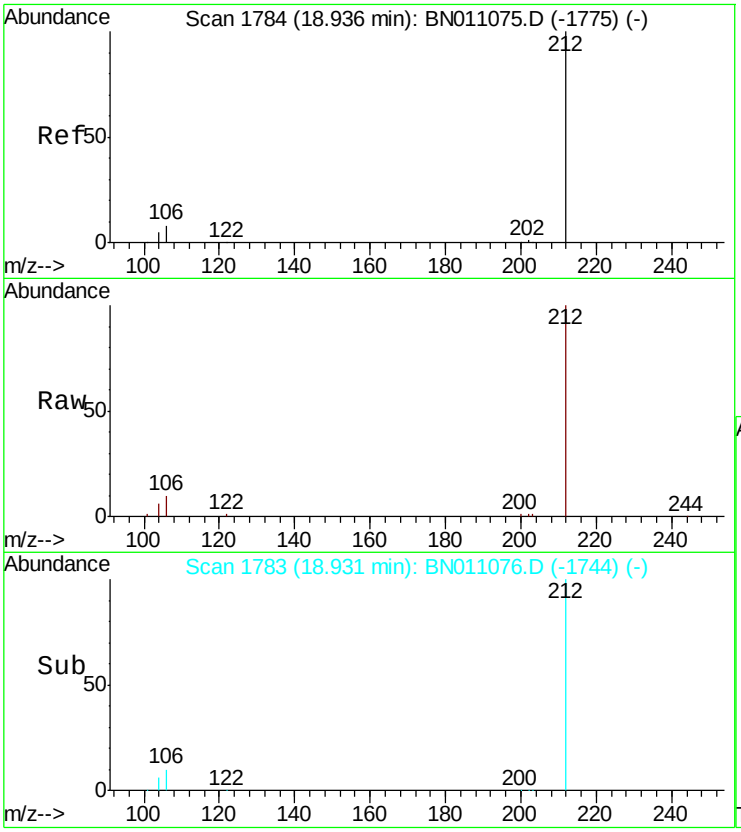


#26
Anthracene
Concen: 0.726 ng
RT: 17.02 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:178 Resp: 12662

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.2	21.4
179	15.1	12.2	18.2



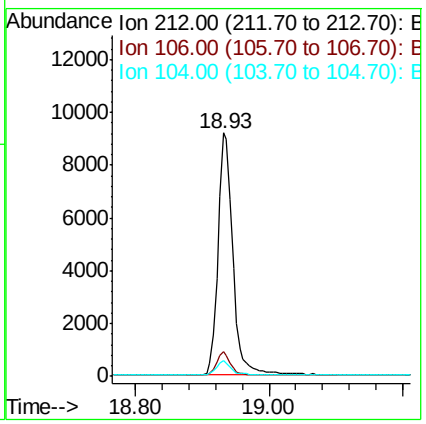


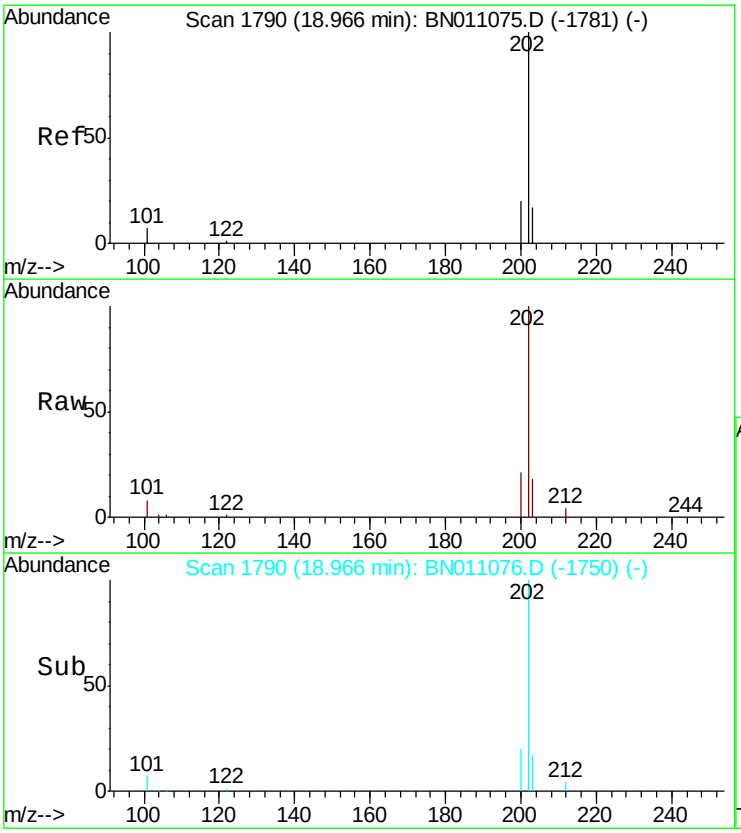
#27
Fluoranthene-d10
Concen: 0.721 ng
RT: 18.93 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 14221

Ion	Ratio	Lower	Upper
212	100		
106	9.1	7.1	10.7
104	5.6	4.2	6.4

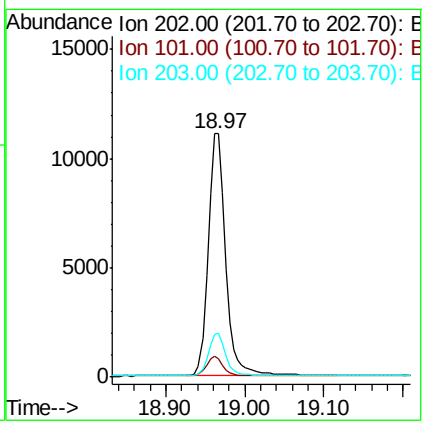


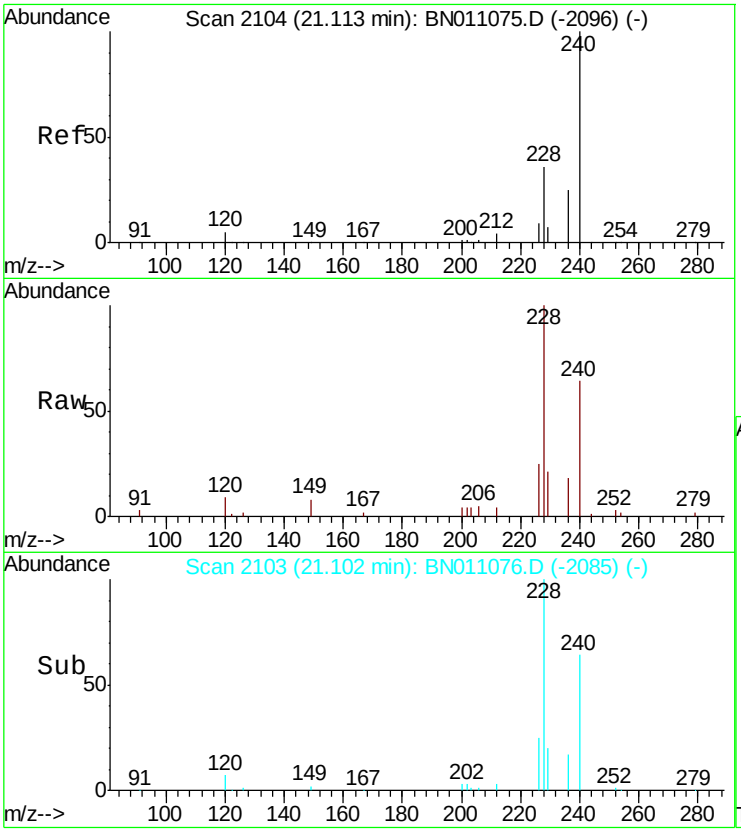


#28
Fluoranthene
Concen: 0.718 ng
RT: 18.97 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:202 Resp: 17227

Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.3	9.5
203	17.1	13.5	20.3



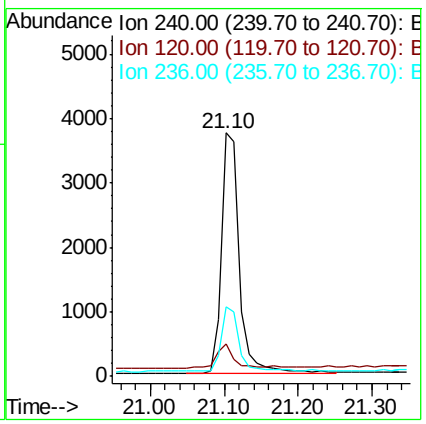


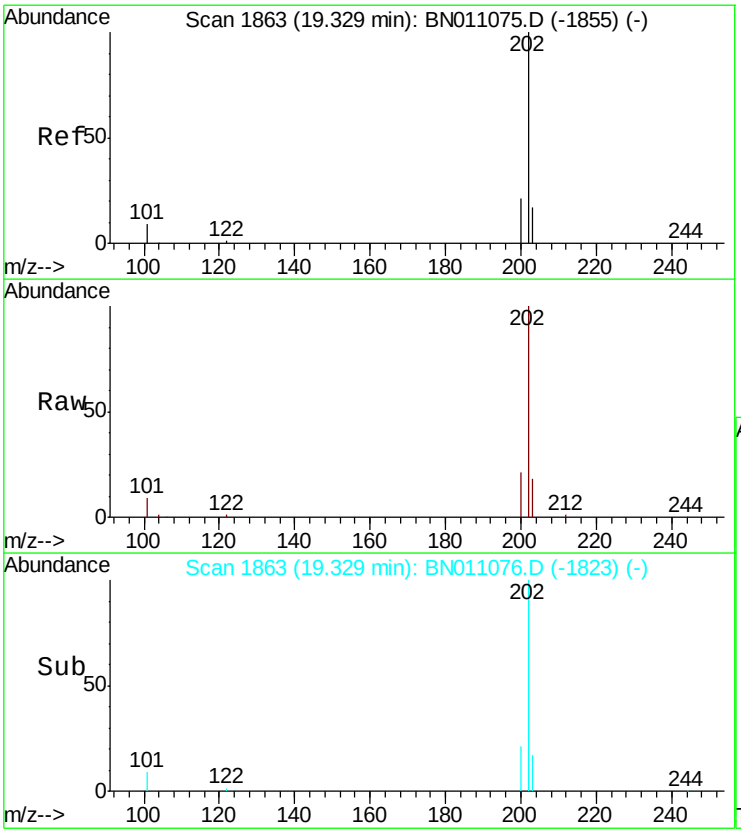
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.10 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 6343

Ion	Ratio	Lower	Upper
240	100		
120	13.6	6.5	9.7#
236	28.4	21.9	32.9

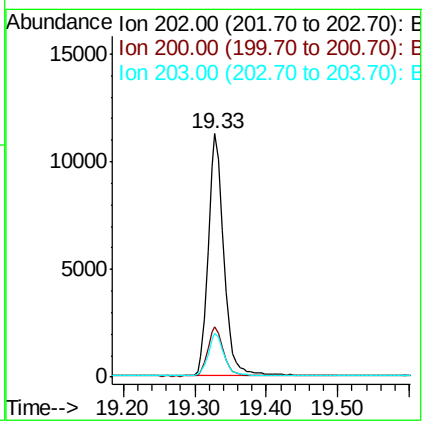


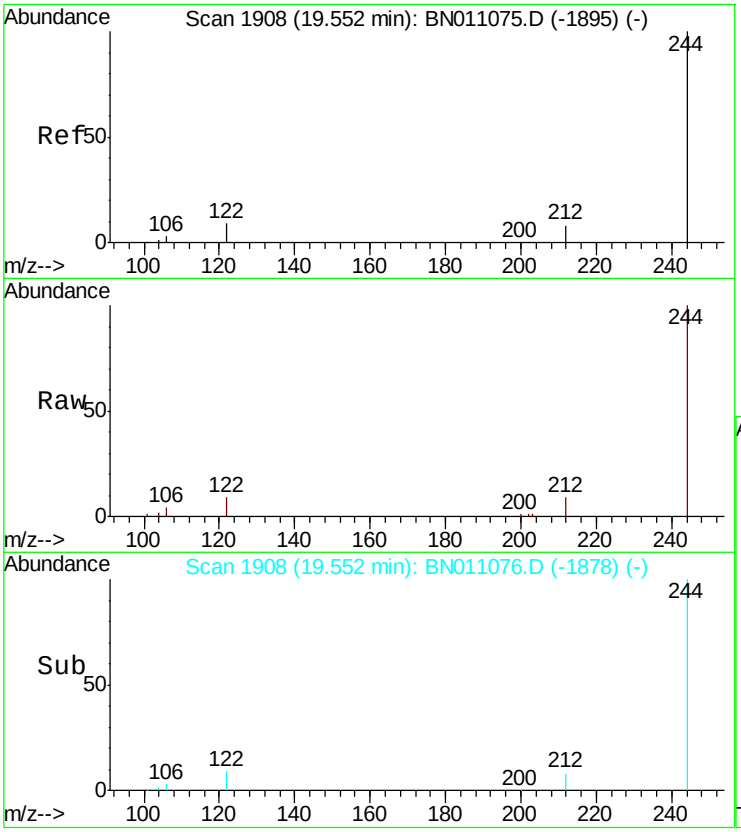


#30
Pyrene
Concen: 0.702 ng
RT: 19.33 min Scan# 1863
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:202 Resp: 17133

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	17.5	14.2	21.4



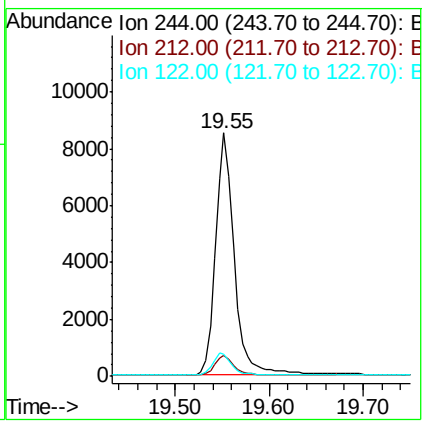


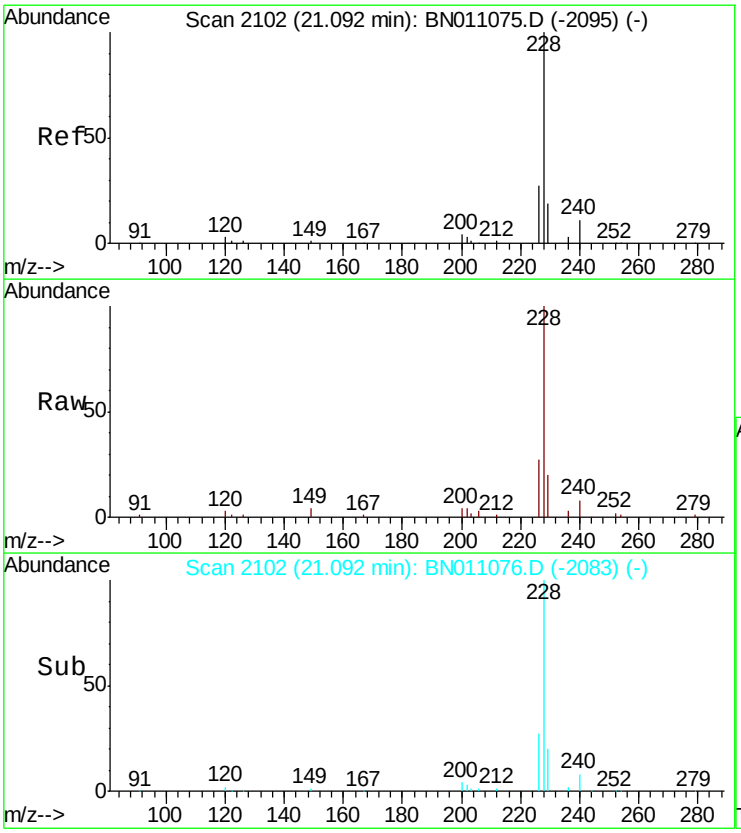
#31
Terphenyl-d14
Concen: 0.699 ng
RT: 19.55 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 11914

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.5	11.3
122	9.1	8.2	12.4

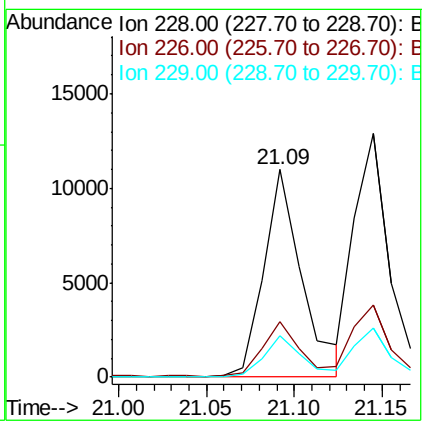


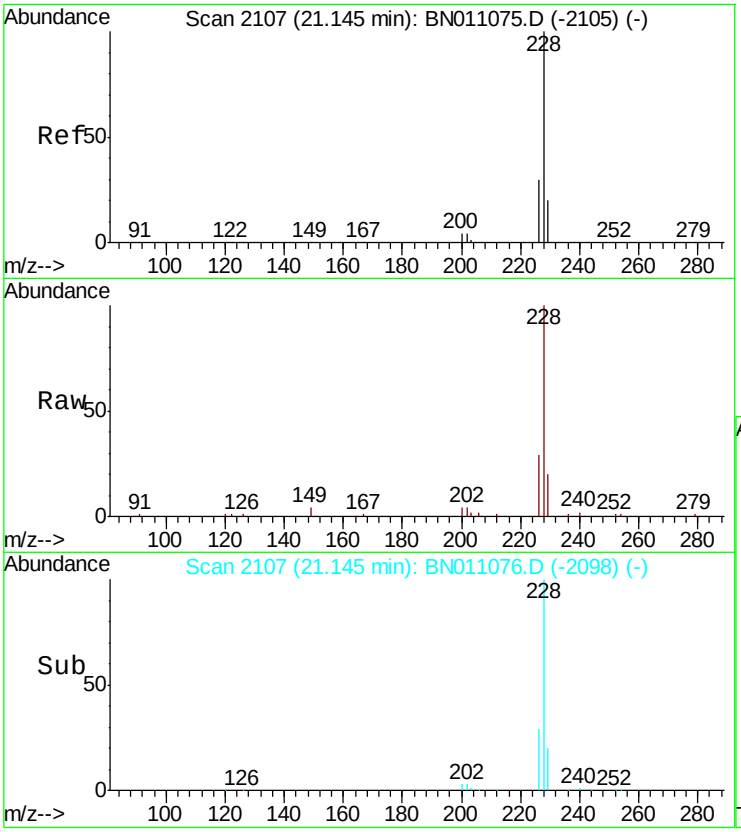


#32
Benzo(a)anthracene
Concen: 0.747 ng
RT: 21.09 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:228 Resp: 16425

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.0	33.0
229	20.0	16.1	24.1



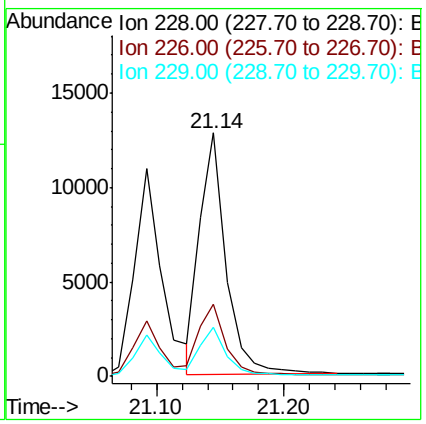


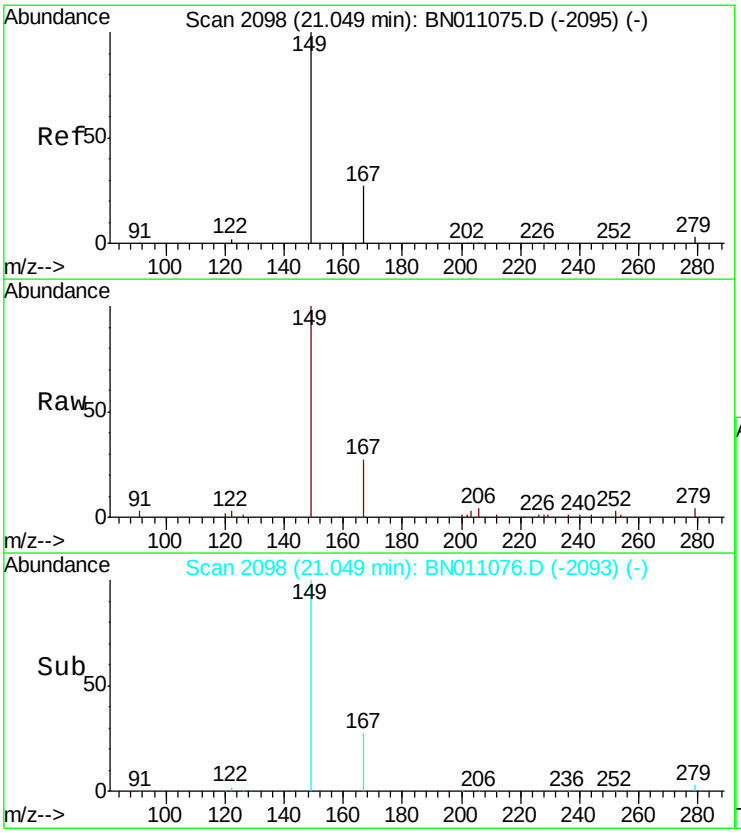
#33
Chrysene
Concen: 0.763 ng
RT: 21.14 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 18269

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	20.1	16.4	24.6

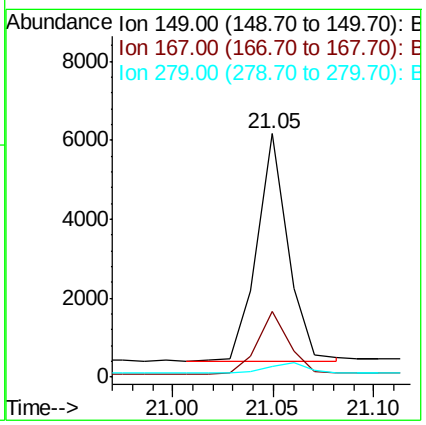


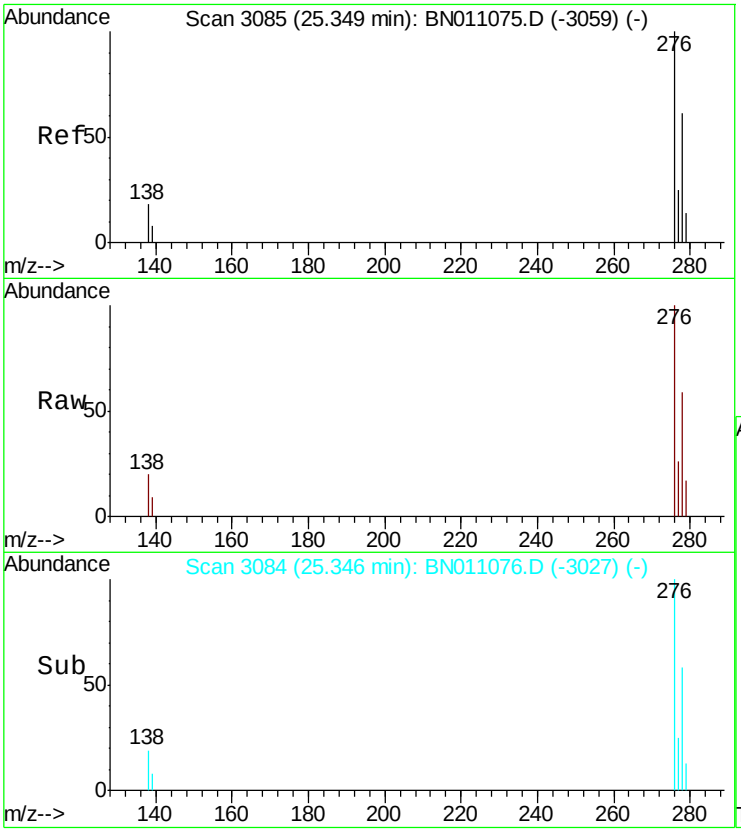


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.695 ng
RT: 21.05 min Scan# 2098
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:149 Resp: 6138

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.2	33.4
279	4.7	4.5	6.7



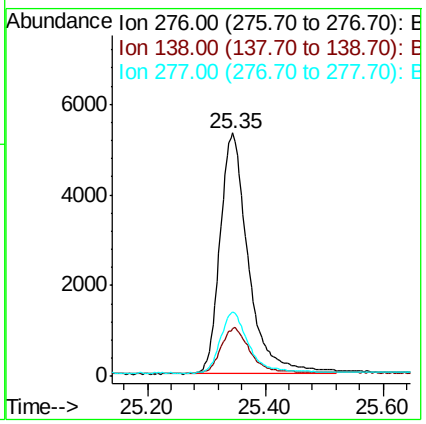


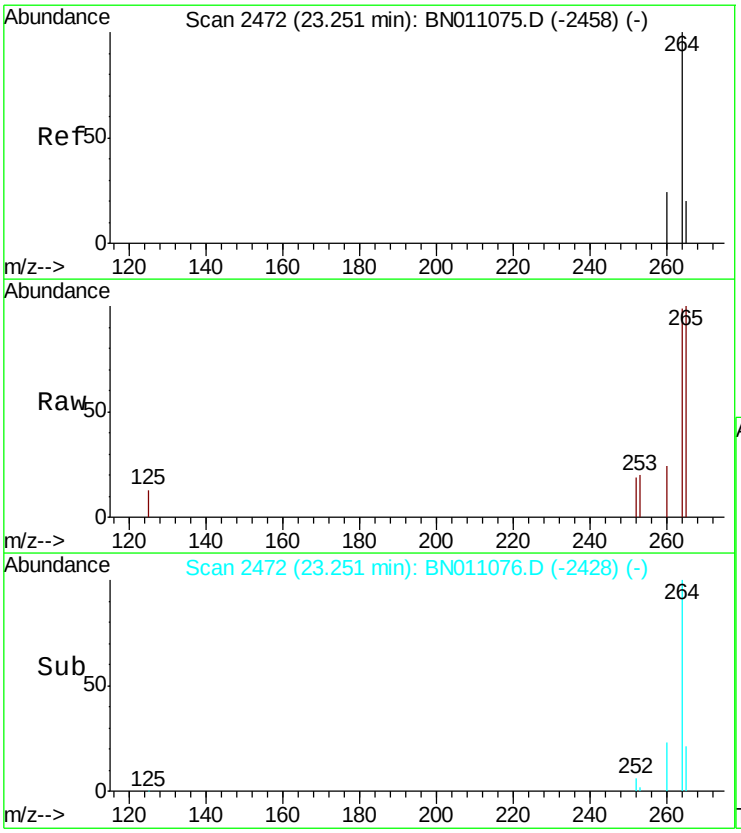
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.668 ng
RT: 25.35 min Scan# 3084
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 17811

Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.4	23.0
277	25.0	19.4	29.0

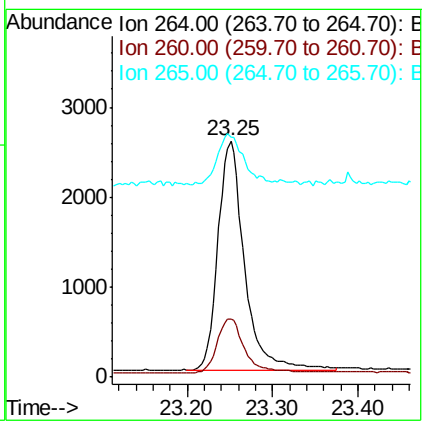


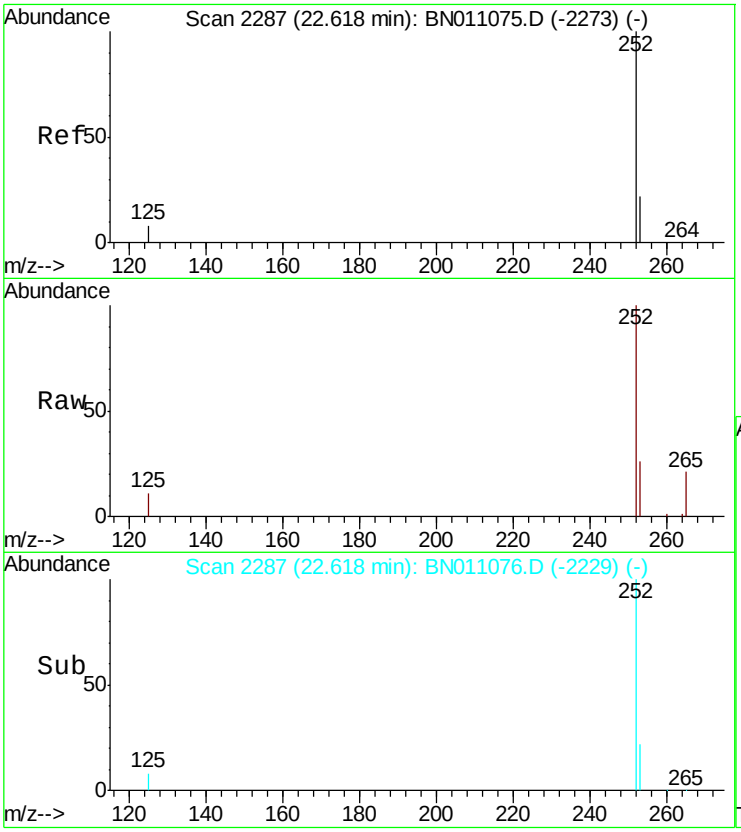


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.25 min Scan# 2472
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:264 Resp: 5483

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.4	30.6
265	101.3	83.0	124.6



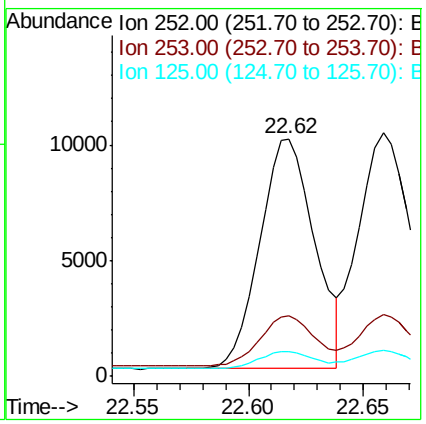


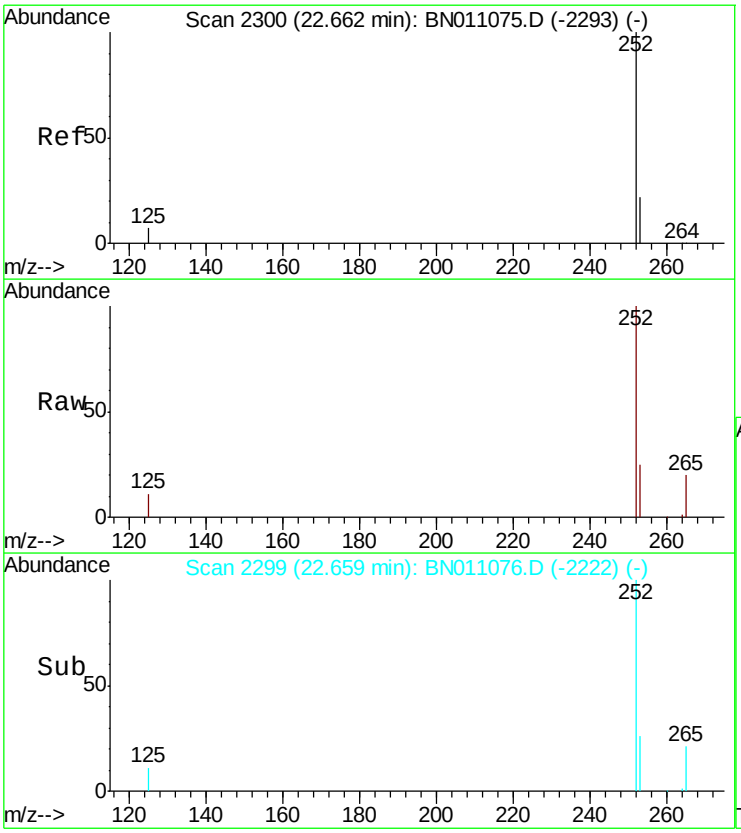
#37
Benzo(b)fluoranthene
Concen: 0.761 ng
RT: 22.62 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 16505

Ion	Ratio	Lower	Upper
252	100		
253	25.7	22.7	34.1
125	10.7	10.4	15.6

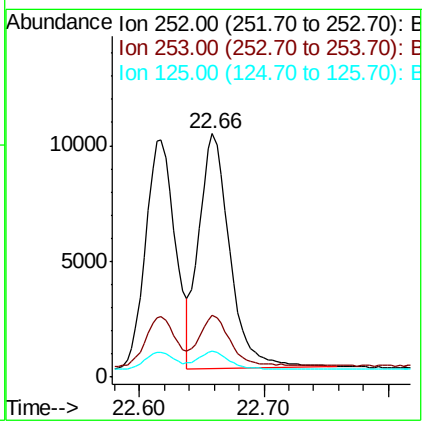


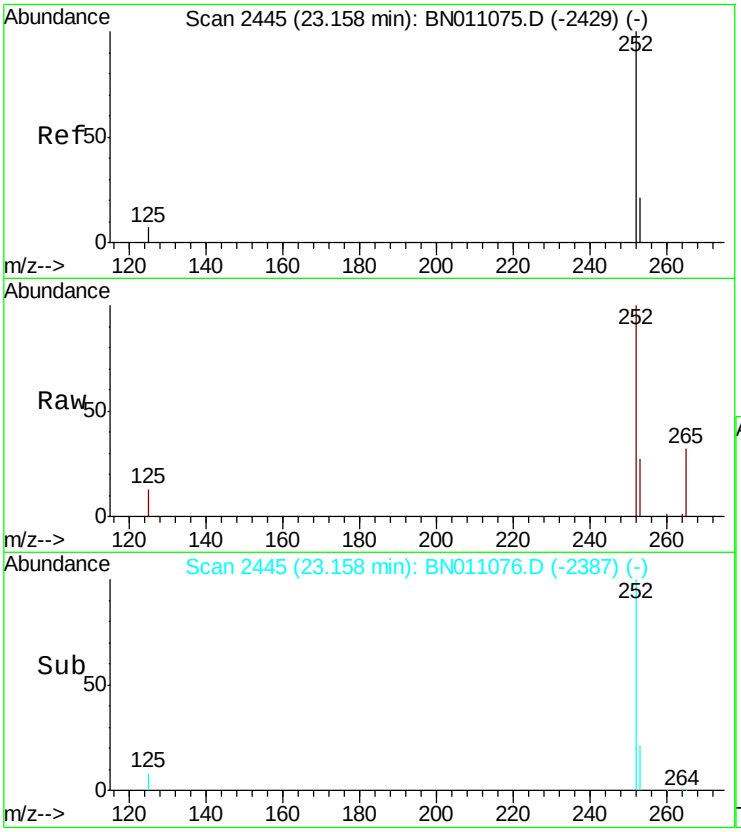


#38
Benzo(k)fluoranthene
Concen: 0.770 ng
RT: 22.66 min Scan# 2299
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:252 Resp: 17361

Ion	Ratio	Lower	Upper
252	100		
253	25.2	22.9	34.3
125	10.9	10.6	15.8



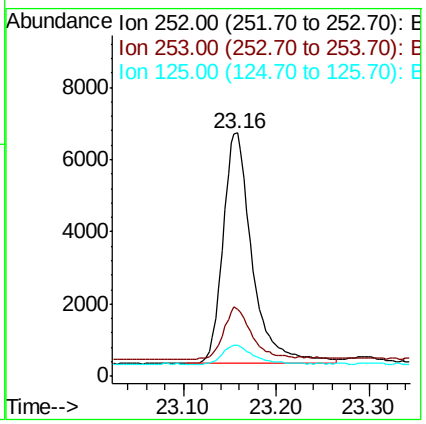


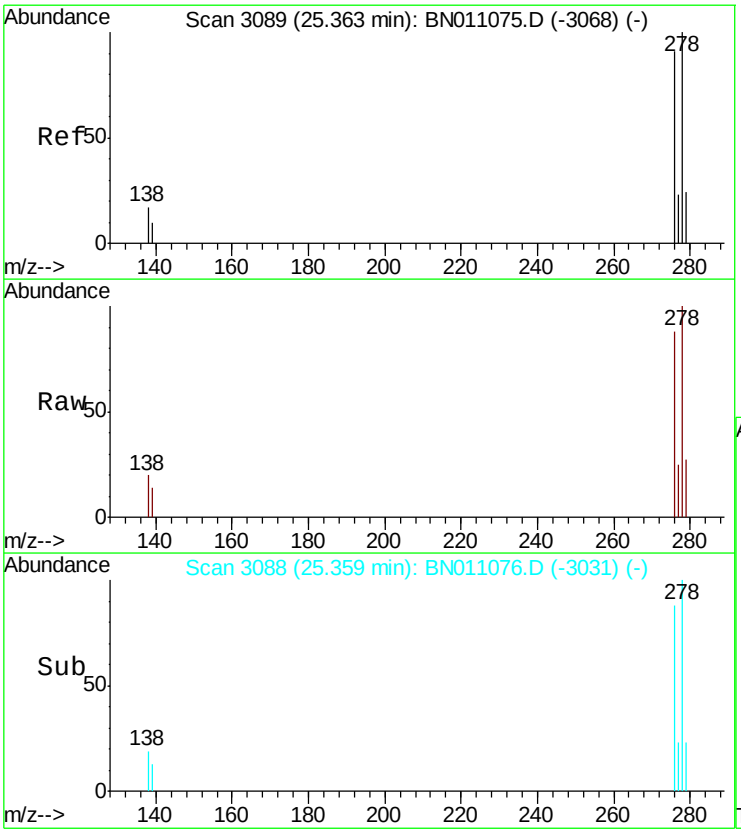
#39
Benzo(a)pyrene
Concen: 0.737 ng
RT: 23.16 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 14189

Ion	Ratio	Lower	Upper
252	100		
253	27.3	25.9	38.9
125	13.0	12.5	18.7

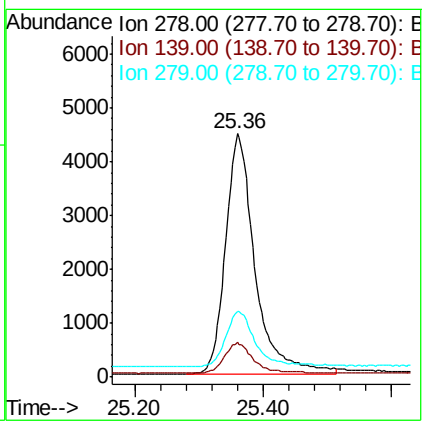


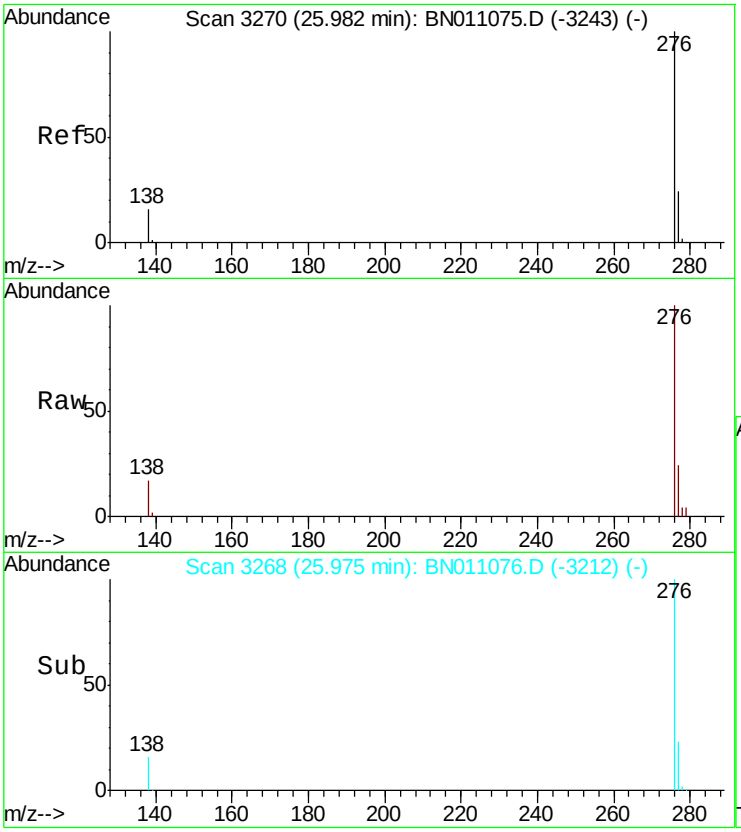


#40
Dibenzo(a,h)anthracene
Concen: 0.686 ng
RT: 25.36 min Scan# 3088
Delta R.T. -0.00 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Tgt Ion:278 Resp: 14241

Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.9	17.9
279	27.0	25.5	38.3





#41
Benzo(g,h,i)perylene
Concen: 0.730 ng
RT: 25.98 min Scan# 3268
Delta R.T. -0.01 min
Lab File: BN011076.D
Acq: 30 Jun 2020 11:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 15705

Ion	Ratio	Lower	Upper
276	100		
277	24.3	21.1	31.7
138	17.4	15.0	22.6