Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091520\
Data File : BN011800.D
Acq On : 15 Sep 2020 13:46
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC3.2

Quant Time: Sep 15 14:36:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 12:47:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	1403	0.40	ng		0.00
7) Naphthalene-d8	10.50	136	4802	0.40	ng		0.00
13) Acenaphthene-d10	14.36	164	3021	0.40	ng		0.00
19) Phenanthrene-d10	17.10	188	6768	0.40	ng		0.00
29) Chrysene-d12	21.31	240	7544	0.40	ng		0.00
36) Perylene-d12	23.56	264	6966	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.32	112	10923	2.89	ng		0.00
5) Phenol-d6	6.89	99	14500	3.03	ng		0.00
8) Nitrobenzene-d5	8.86	82	15960	3.04	ng		-0.01
11) 2-Methylnaphthalene-d10	12.10	152	28078	3.13	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	5241	3.23	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	40096	2.97	ng		0.00
27) Fluoranthene-d10	19.15	212	68144	3.12	ng		0.00
31) Terphenyl-d14	19.75	244	58560	2.78	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	5419	2.923	ng		96
3) n-Nitrosodimethylamine	3.57	42	9240	3.121	ng	#	97
6) bis(2-Chloroethyl)ether	7.14	93	11629	2.899	ng		97
9) Naphthalene	10.55	128	41604	3.006	ng		98
10) Hexachlorobutadiene	10.85	225	9852	2.896	ng	#	98
12) 2-Methylnaphthalene	12.17	142	30733	3.139	ng		99
16) Acenaphthylene	14.08	152	47515	3.177	ng		99
17) Acenaphthene	14.42	154	33260	3.149	ng		99
18) Fluorene	15.41	166	42150	3.170	ng		98
20) 4,6-Dinitro-2-methylphenol	15.49	198	4888	3.270	ng	#	78
21) 4-Bromophenyl-phenylether	16.31	248	13224	3.098	ng		99
22) Hexachlorobenzene	16.42	284	15151	3.067	ng		99
23) Atrazine	16.58	200	12390	3.200	ng		95
24) Pentachlorophenol	16.76	266	6507	3.135	ng		99
25) Phenanthrene	17.15	178	67655	3.052	ng		100
26) Anthracene	17.24	178	62129	3.169	ng		100
28) Fluoranthene	19.18	202	81932	3.030	ng		100
30) Pyrene	19.54	202	81318	3.060	ng		100
32) Benzo(a)anthracene	21.29	228	83451	3.049	ng		99
33) Chrysene	21.34	228	80360	2.807	ng		100
34) Bis(2-ethylhexyl)phthalate	21.23	149	35669	2.648	ng		99
35) Indeno(1,2,3-cd)pyrene	25.81	276	102185	2.744	ng		100
37) Benzo(b)fluoranthene	22.88	252	86775	3.013	ng		97
38) Benzo(k)fluoranthene	22.93	252	86439	3.018	ng		96
39) Benzo(a)pyrene	23.46	252	76431	3.034	ng		95
40) Dibenzo(a,h)anthracene	25.83	278	85411	2.987	ng		98
41) Benzo(g,h,i)perylene	26.51	276	83787	2.908	ng		99

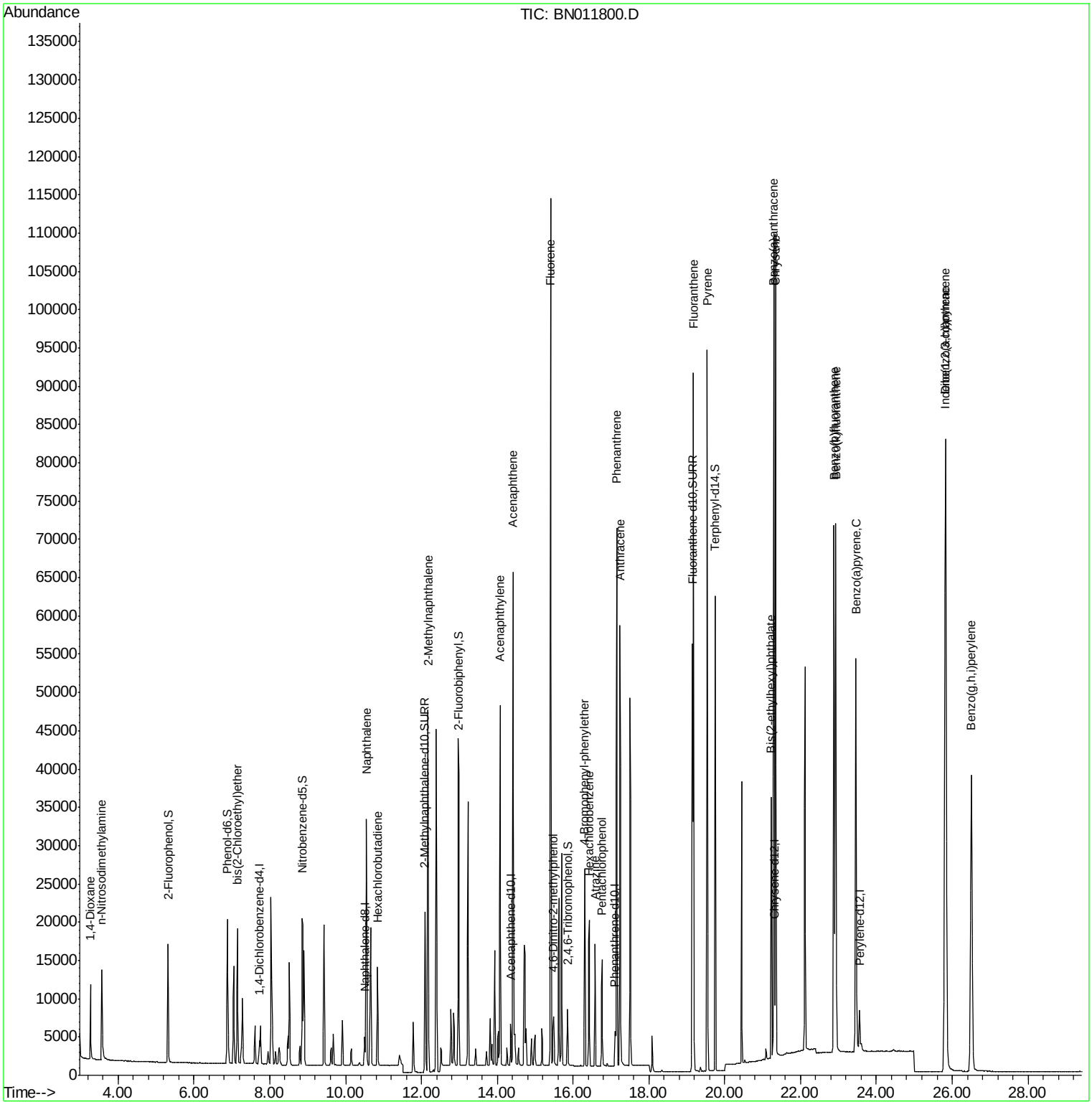
(#) = qualifier out of range (m) = manual integration (+) = signals summed

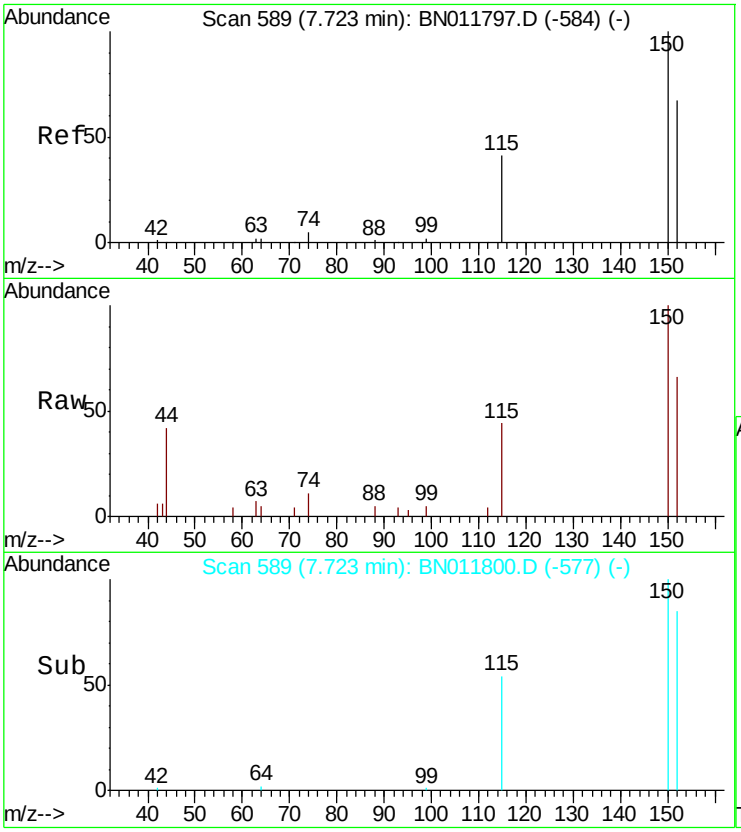
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091520\
Data File : BN011800.D
Acq On : 15 Sep 2020 13:46
Operator : CG/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Sep 15 14:36:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 12:47:27 2020
Response via : Initial Calibration



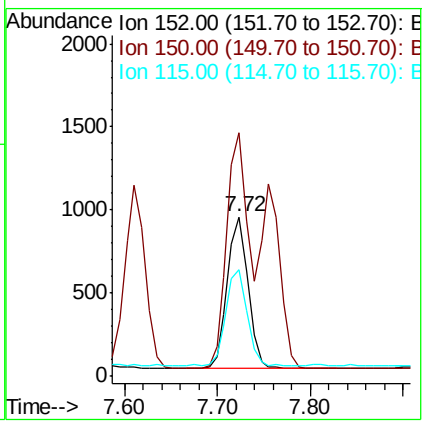


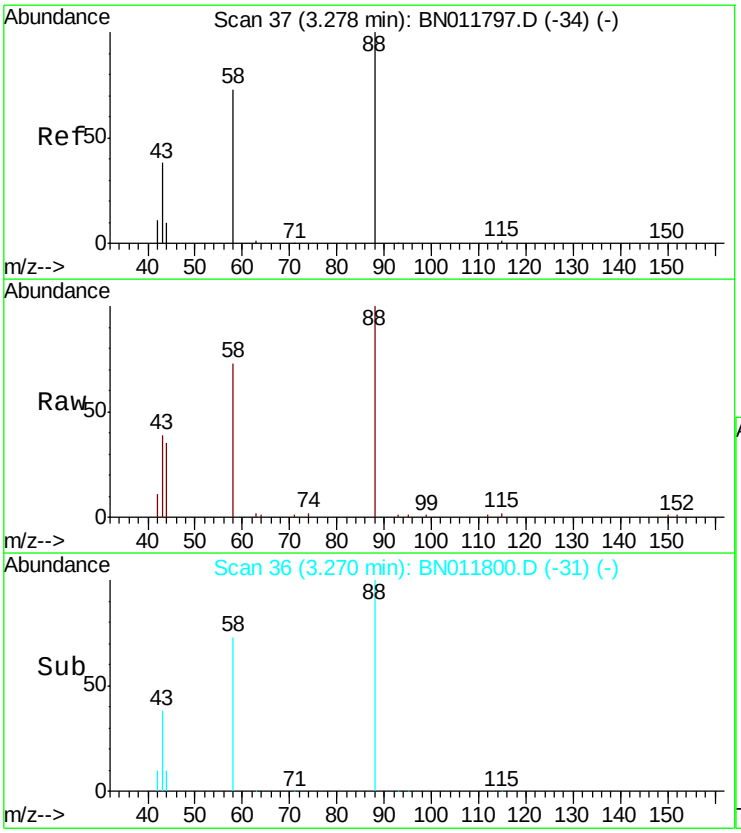
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 589
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 1403

Ion	Ratio	Lower	Upper
152	100		
150	152.7	118.3	177.5
115	67.0	51.3	76.9

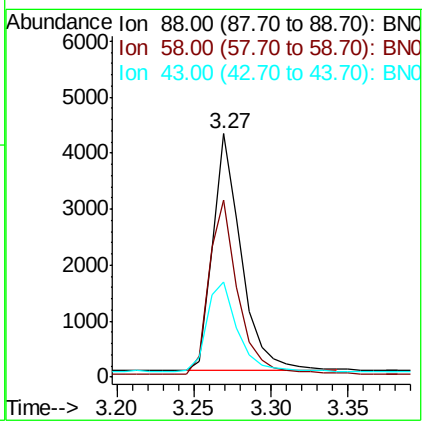


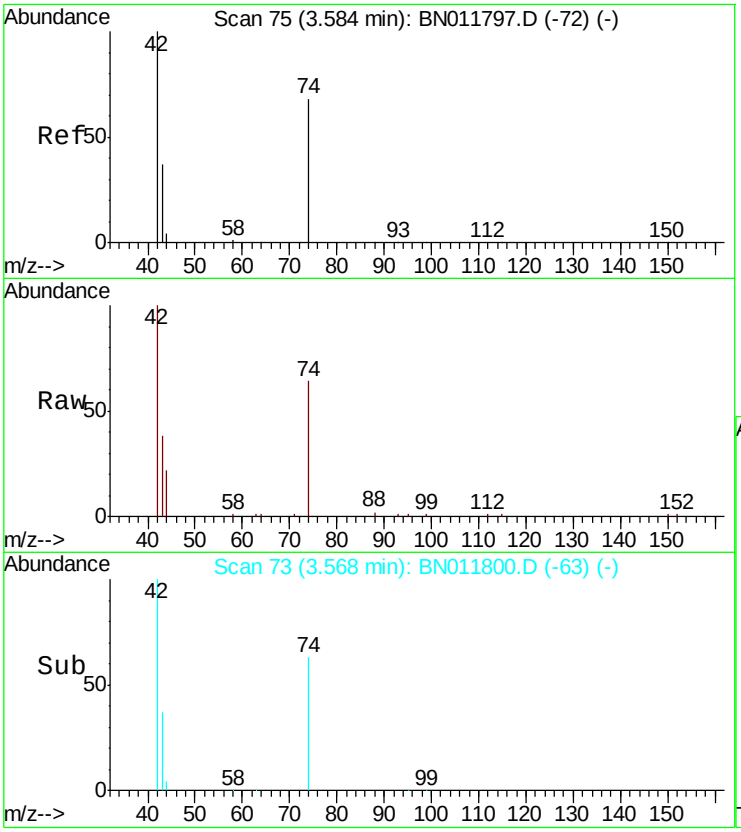


#2
1,4-Dioxane
Concen: 2.923 ng
RT: 3.27 min Scan# 36
Delta R.T. -0.01 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion: 88 Resp: 5419

Ion	Ratio	Lower	Upper
88	100		
58	74.4	63.3	94.9
43	40.3	33.0	49.4



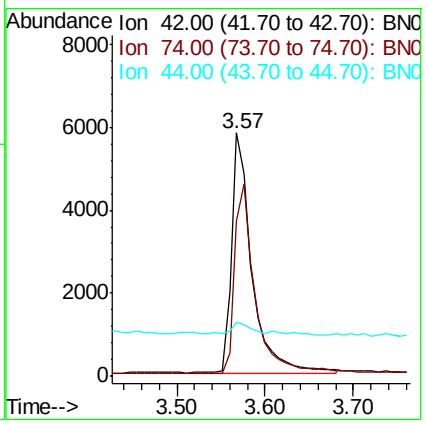


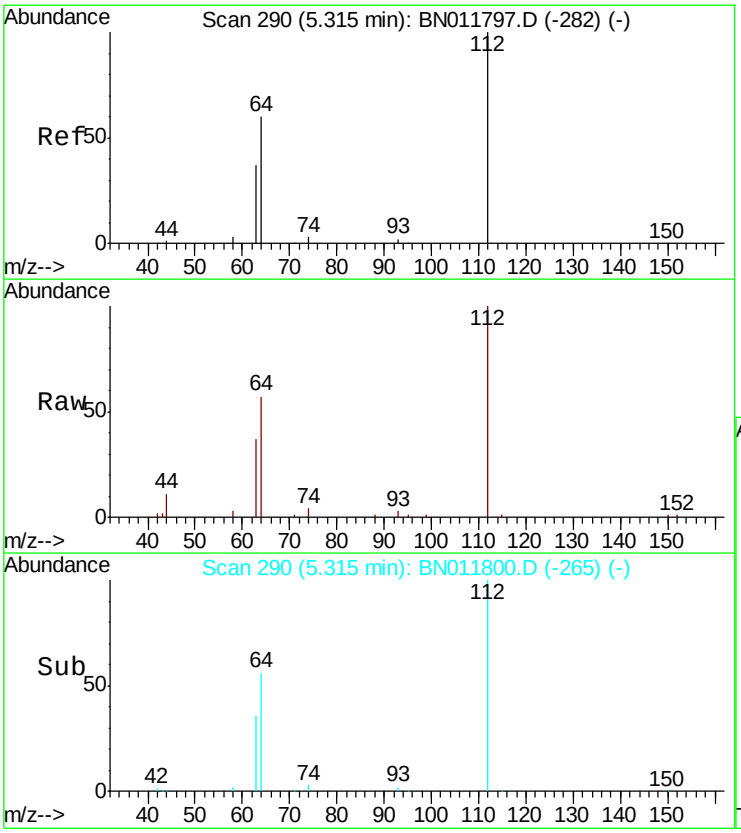
#3
n-Nitrosodimethylamine
Concen: 3.121 ng
RT: 3.57 min Scan# 73
Delta R.T. -0.02 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 9240

Ion	Ratio	Lower	Upper
42	100		
74	78.6	64.4	96.6
44	4.8	6.7	10.1#

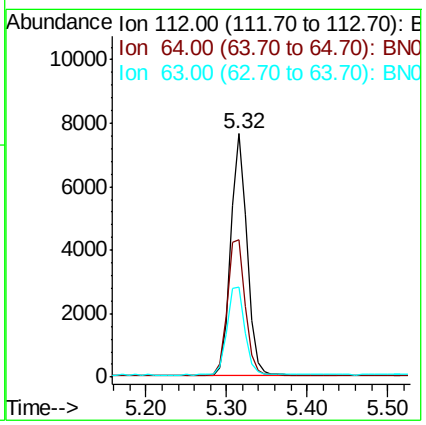


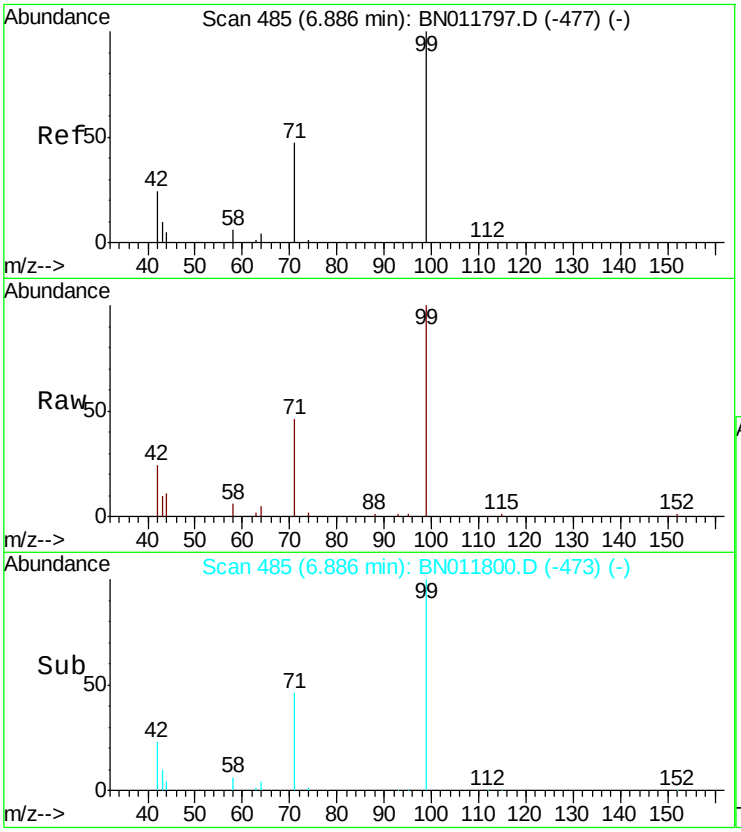


#4
2-Fluorophenol
Concen: 2.886 ng
RT: 5.32 min Scan# 290
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:112 Resp: 10923

Ion	Ratio	Lower	Upper
112	100		
64	61.8	49.0	73.6
63	40.1	31.8	47.6



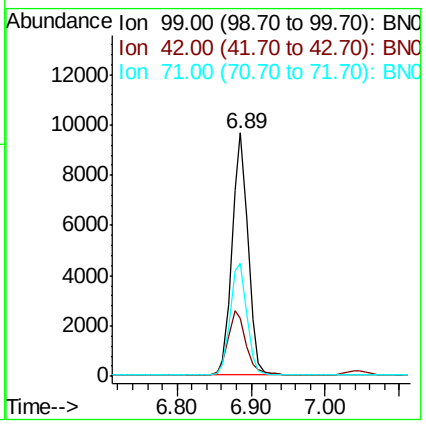


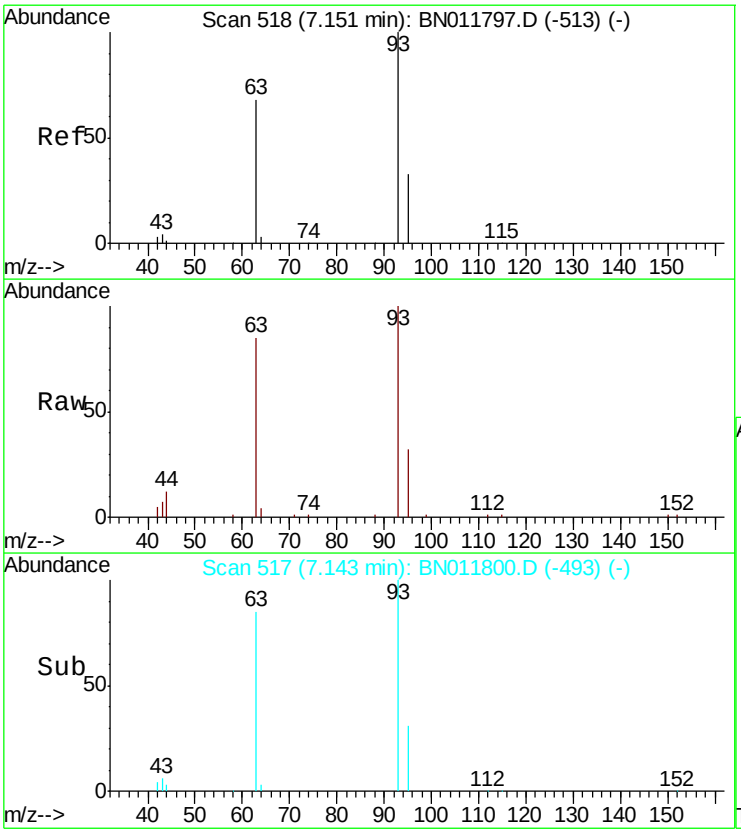
#5
Phenol-d6
Concen: 3.026 ng
RT: 6.89 min Scan# 485
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 14500

Ion	Ratio	Lower	Upper
99	100		
42	29.3	23.4	35.0
71	48.5	38.1	57.1

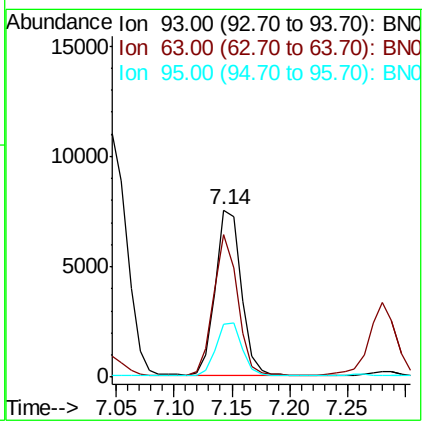


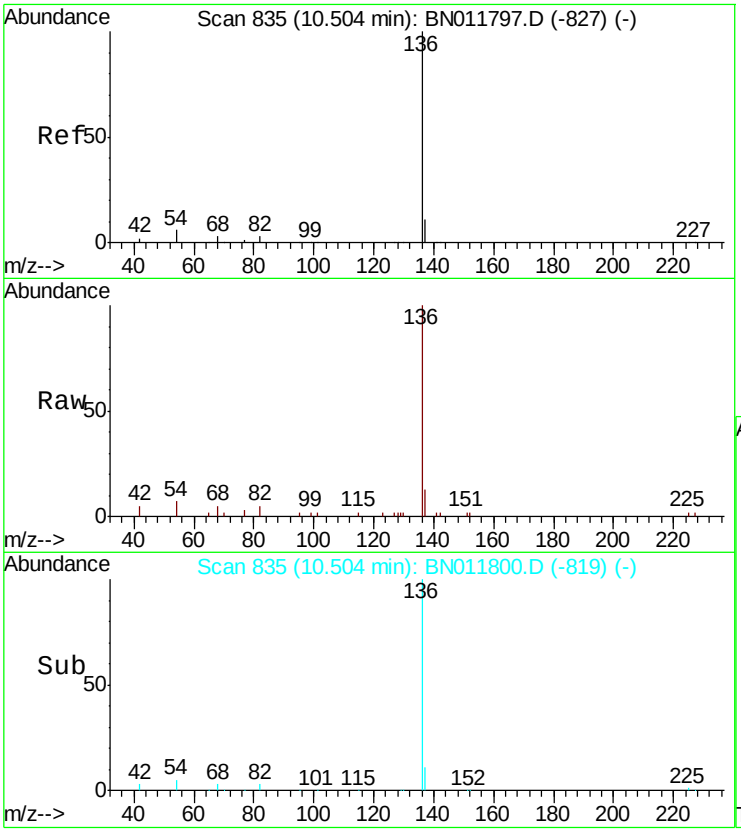


#6
bis(2-Chloroethyl)ether
Concen: 2.899 ng
RT: 7.14 min Scan# 517
Delta R.T. -0.01 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion: 93 Resp: 11629

Ion	Ratio	Lower	Upper
93	100		
63	79.3	61.1	91.7
95	32.4	25.5	38.3



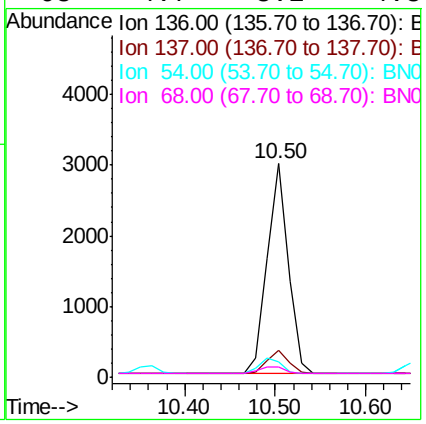


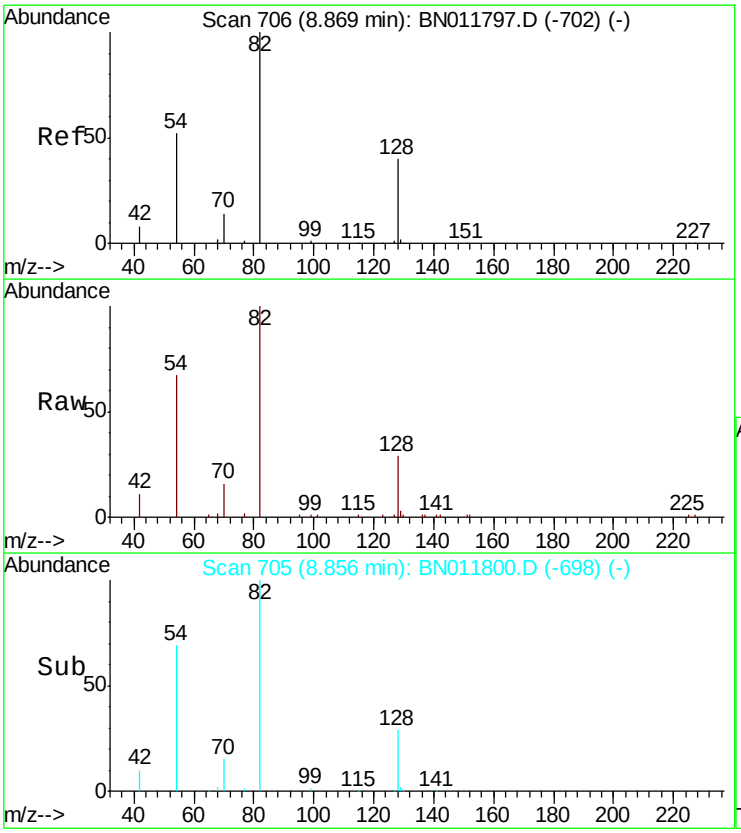
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.50 min Scan# 835
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 4802

Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.5	14.3
54	7.1	5.6	8.4
68	4.7	3.2	4.8

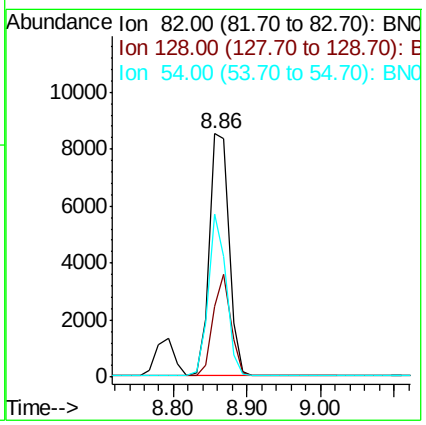


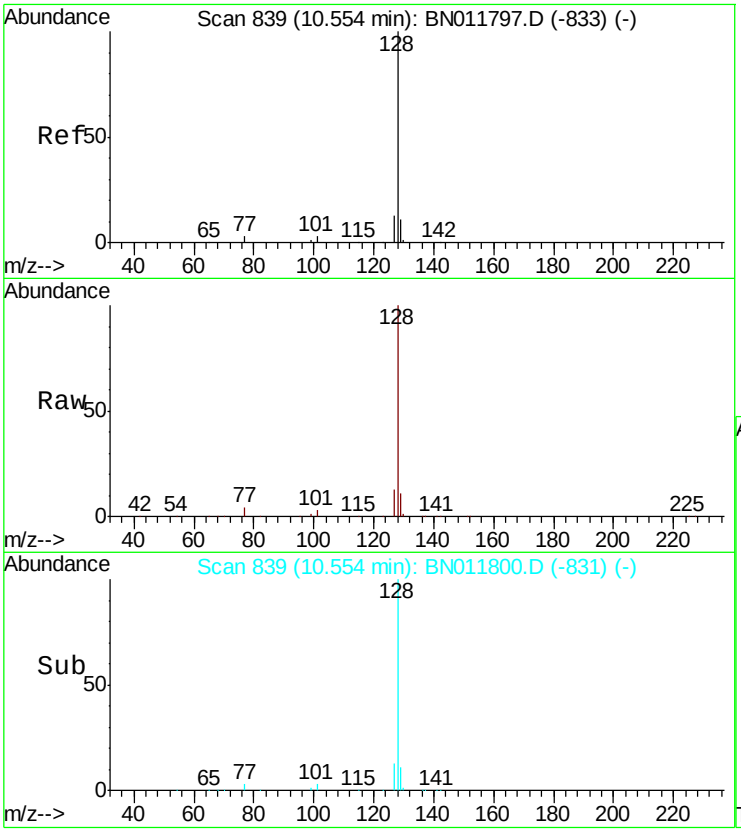


#8
Nitrobenzene-d5
Concen: 3.045 ng
RT: 8.86 min Scan# 705
Delta R.T. -0.01 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion: 82 Resp: 15960

Ion	Ratio	Lower	Upper
82	100		
128	29.2	34.2	51.2#
54	67.2	43.1	64.7#



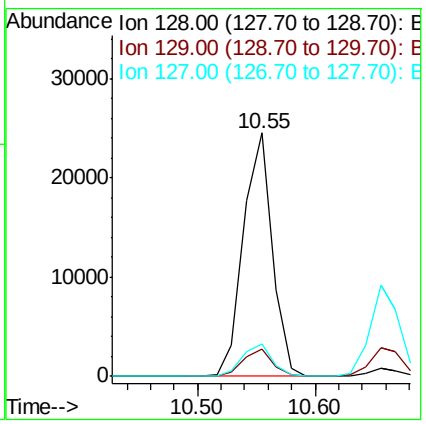


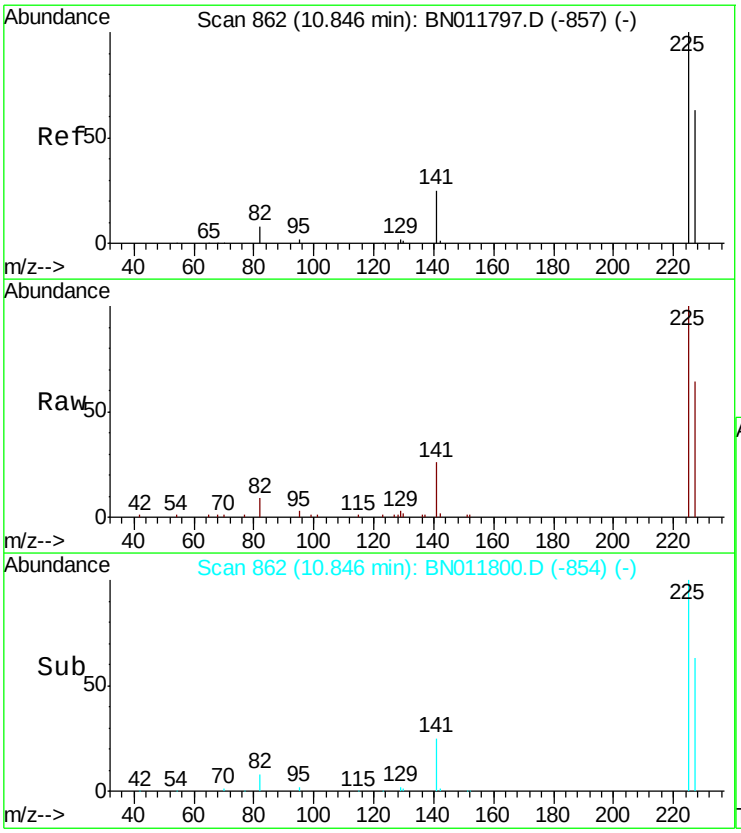
#9
Naphthalene
Concen: 3.006 ng
RT: 10.55 min Scan# 839
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 41604

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.7	14.5
127	13.1	11.0	16.4

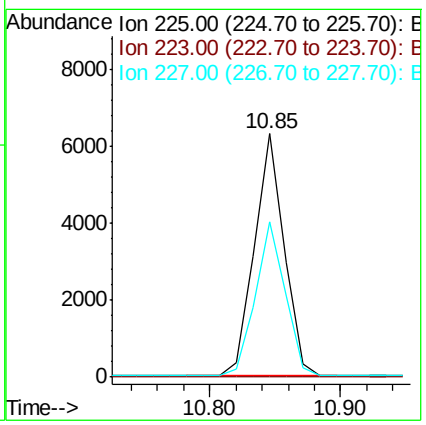


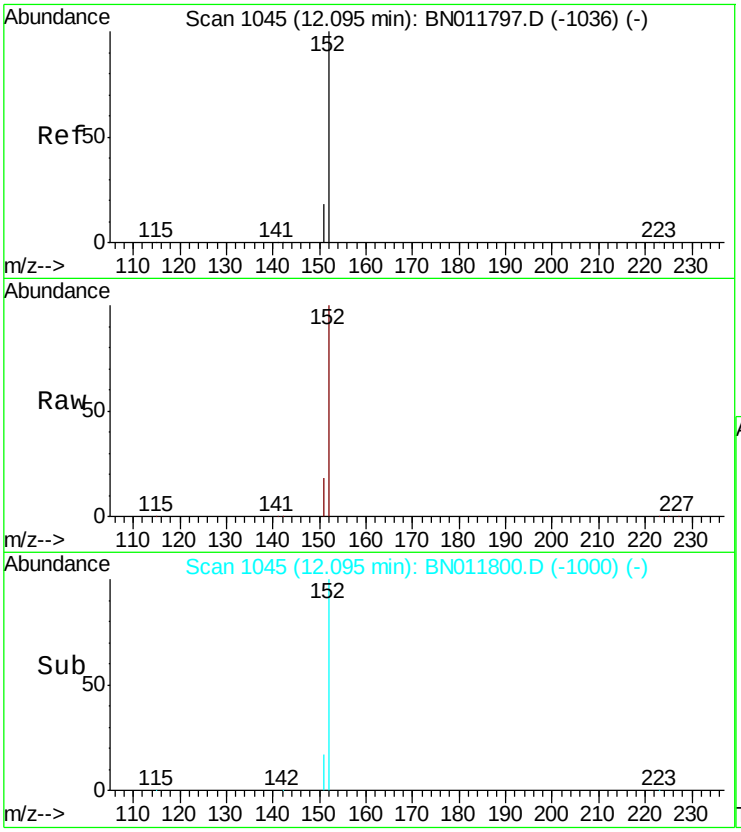


#10
Hexachlorobutadiene
Concen: 2.896 ng
RT: 10.85 min Scan# 862
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:225 Resp: 9852

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.9	77.9



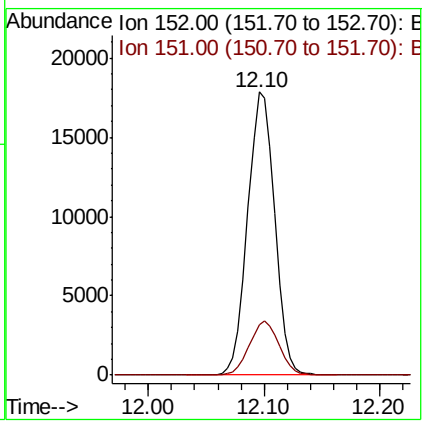


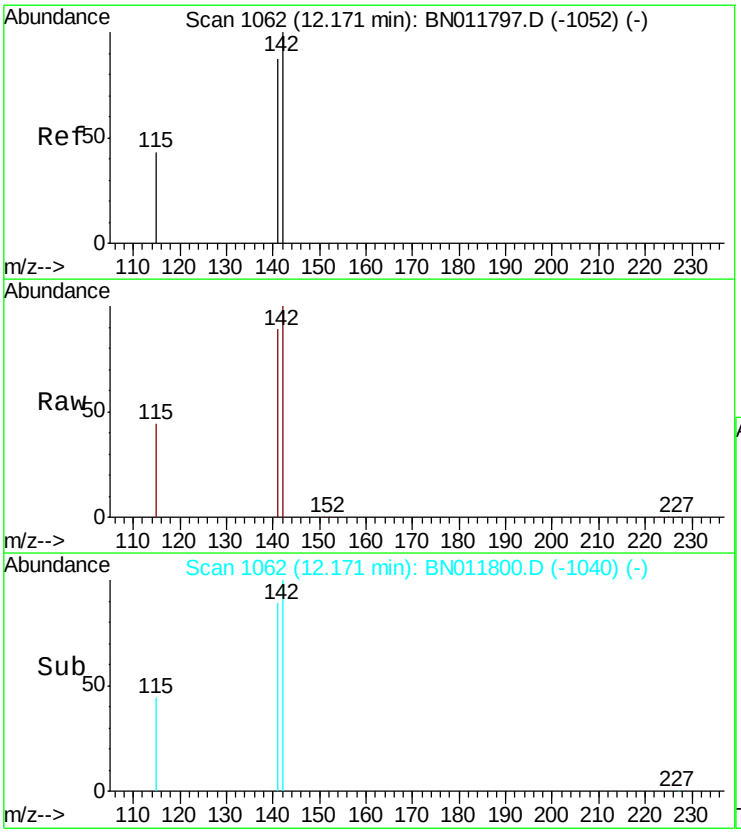
#11
2-Methylnaphthalene-d10
Concen: 3.135 ng
RT: 12.10 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 28078

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.7	25.1

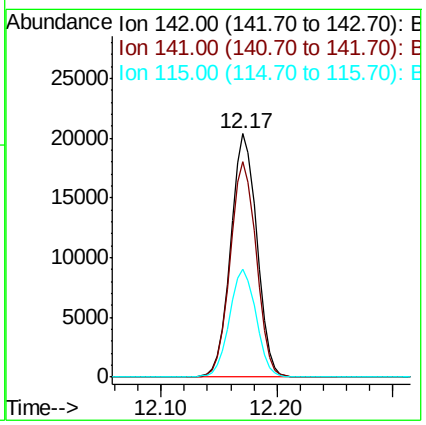


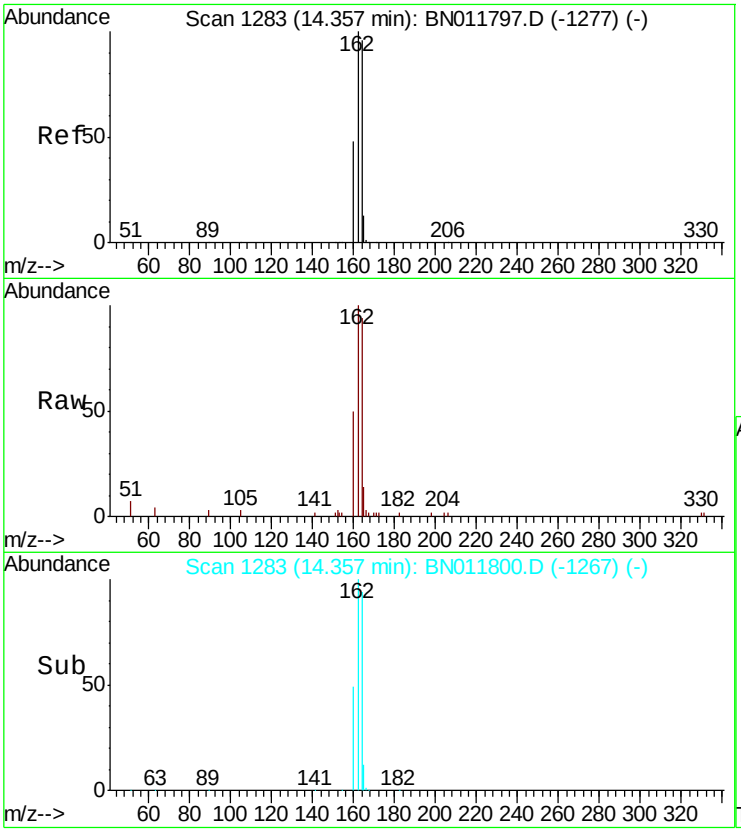


#12
2-Methylnaphthalene
Concen: 3.139 ng
RT: 12.17 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:142 Resp: 30733

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.0	105.0
115	44.3	35.8	53.6



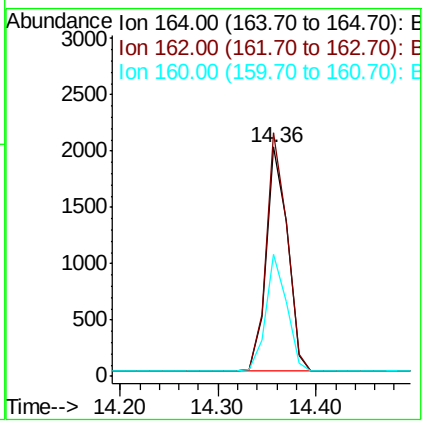


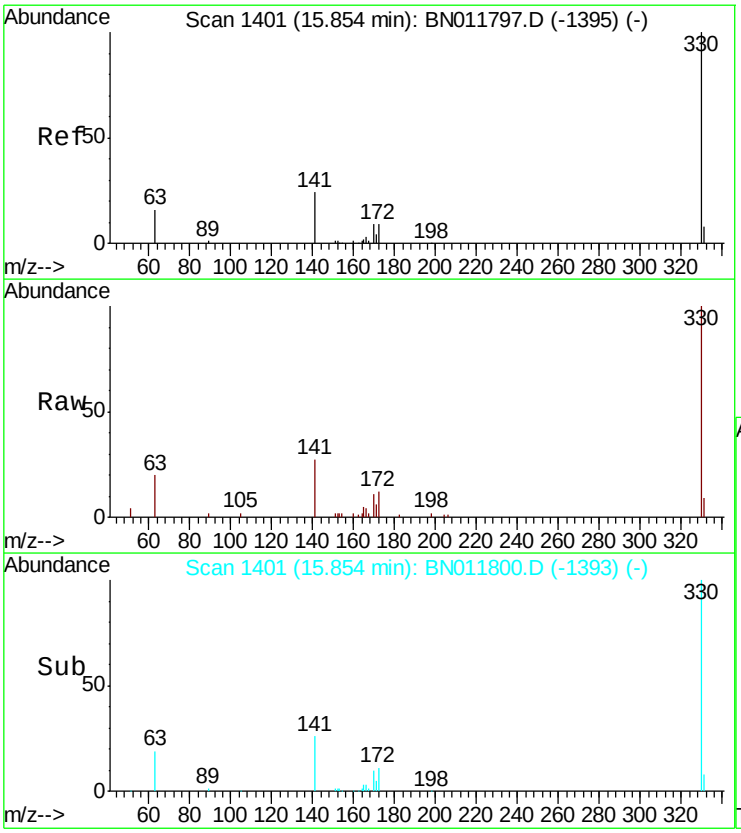
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 3021

Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.6	125.4
160	53.1	41.2	61.8

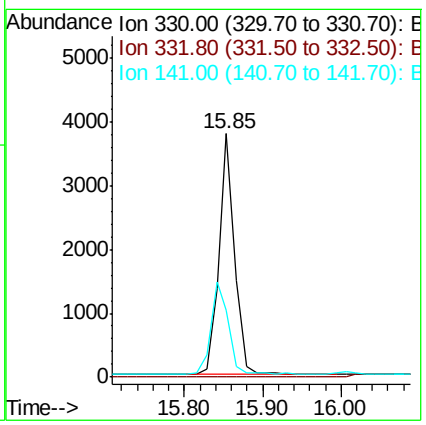


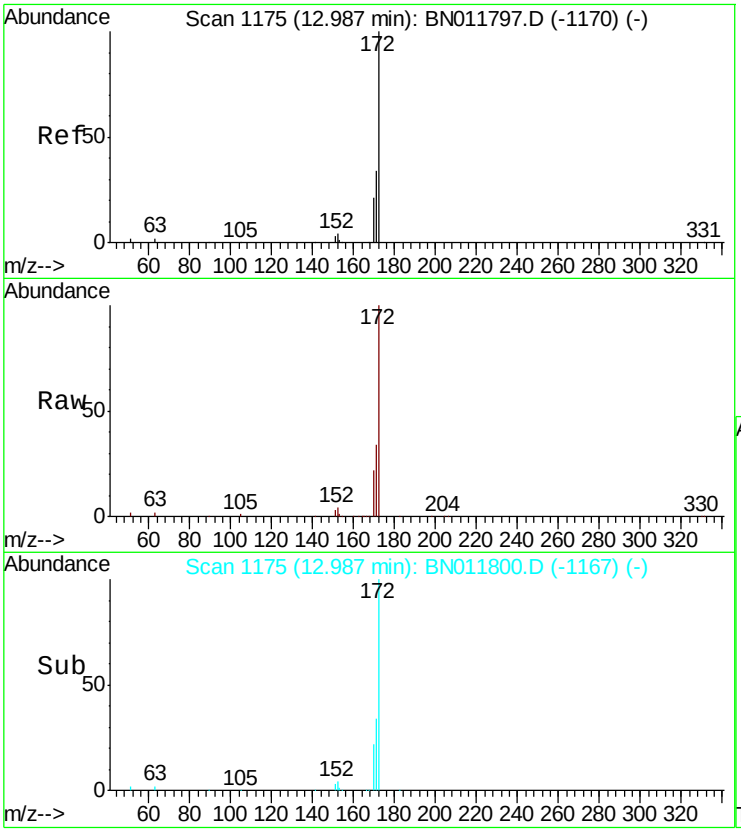


#14
2,4,6-Tribromophenol
Concen: 3.232 ng
RT: 15.85 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:330 Resp: 5241

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.4	33.7	50.5



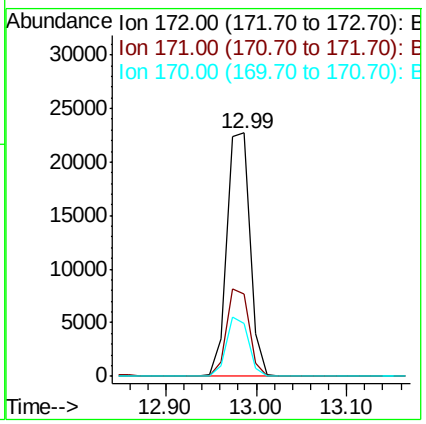


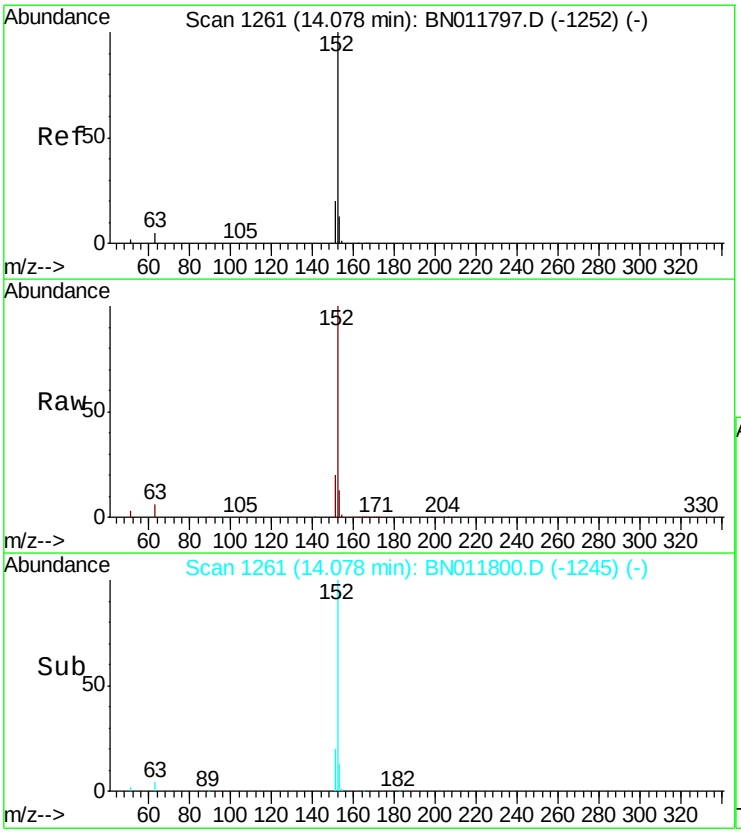
#15
2-Fluorobiphenyl
Concen: 2.970 ng
RT: 12.99 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 40096

Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.4	41.2
170	21.9	17.8	26.6

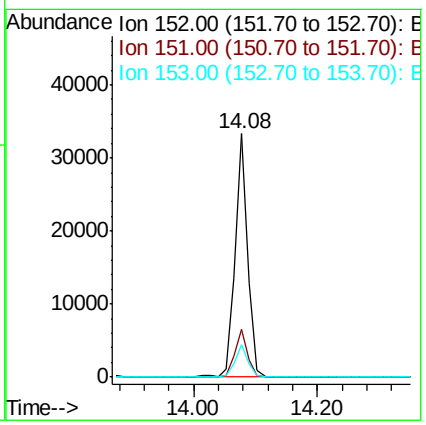


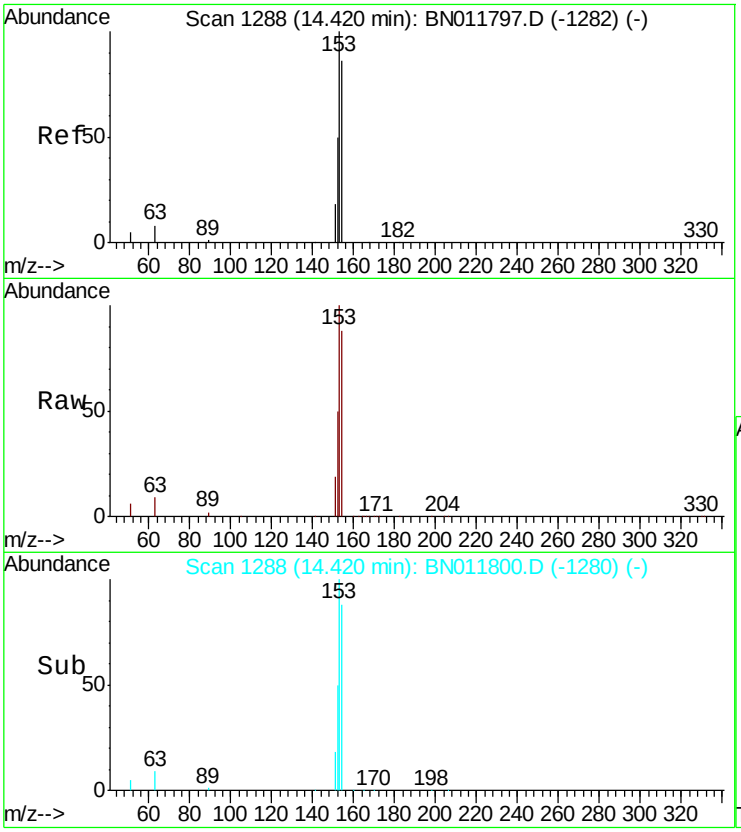


#16
Acenaphthylene
Concen: 3.177 ng
RT: 14.08 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:152 Resp: 47515

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	13.1	10.5	15.7



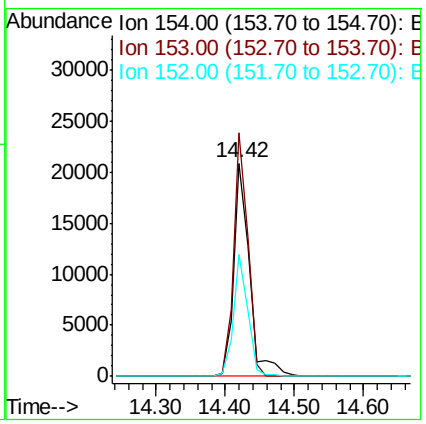


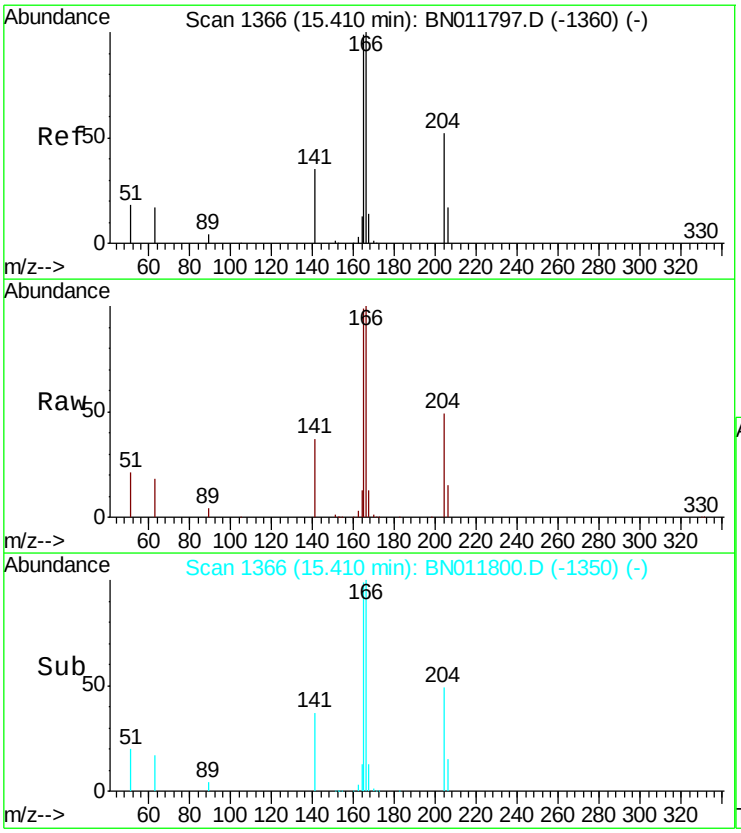
#17
Acenaphthene
Concen: 3.149 ng
RT: 14.42 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 33260

Ion	Ratio	Lower	Upper
154	100		
153	104.4	83.4	125.2
152	52.1	42.8	64.2

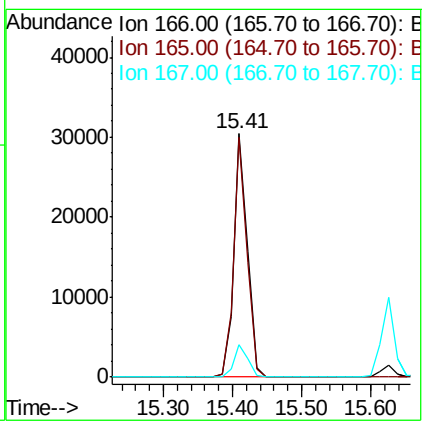


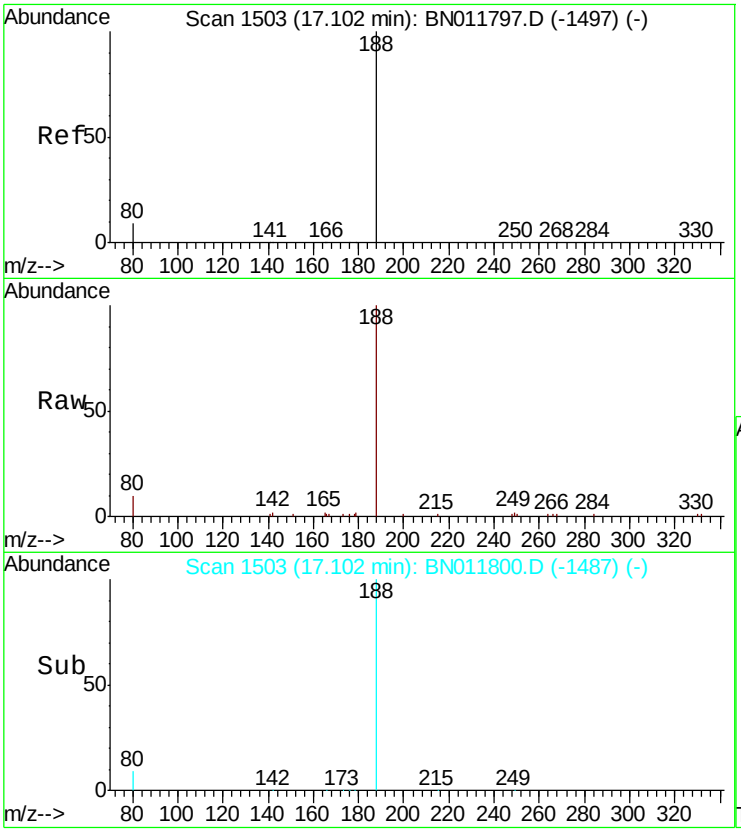


#18
Fluorene
Concen: 3.170 ng
RT: 15.41 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:166 Resp: 42150

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.8	118.2
167	13.3	11.2	16.8



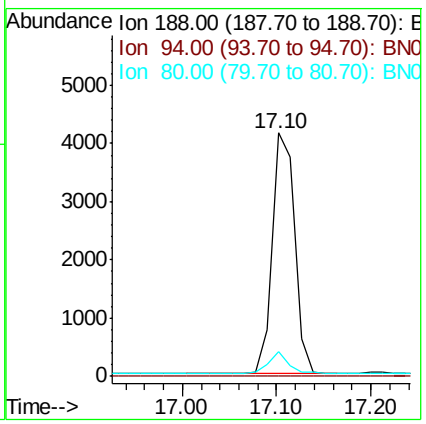


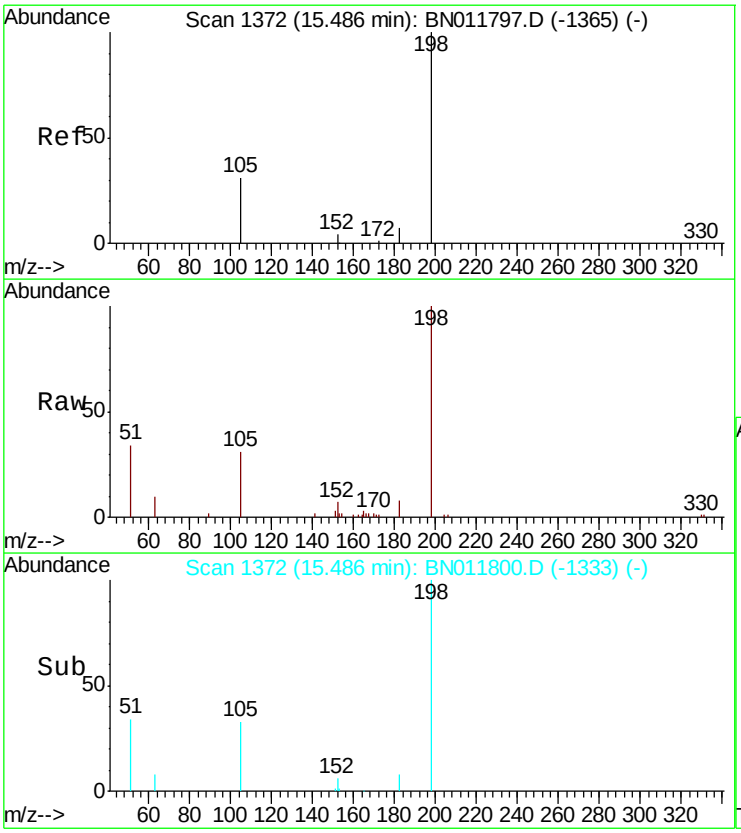
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.10 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 6768

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.7	11.5

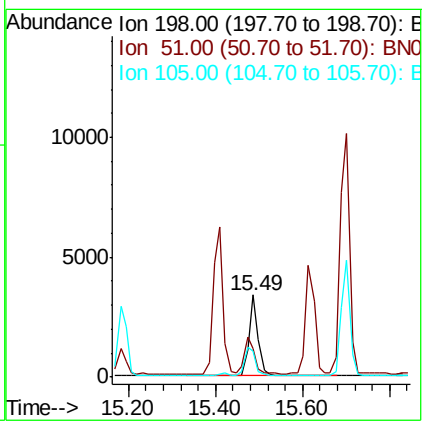


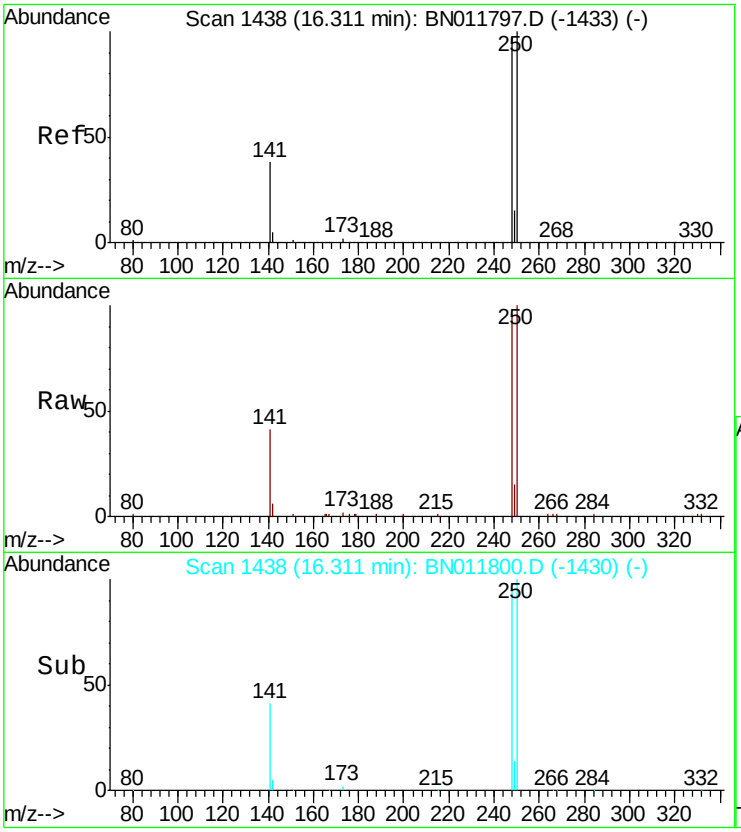


#20
4,6-Dinitro-2-methylphenol
Concen: 3.270 ng
RT: 15.49 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:198 Resp: 4888

Ion	Ratio	Lower	Upper
198	100		
51	34.4	45.0	67.4#
105	31.2	30.4	45.6



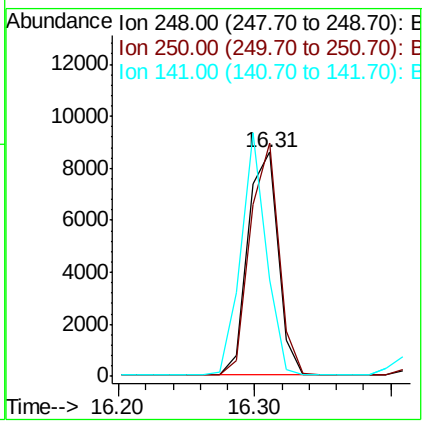


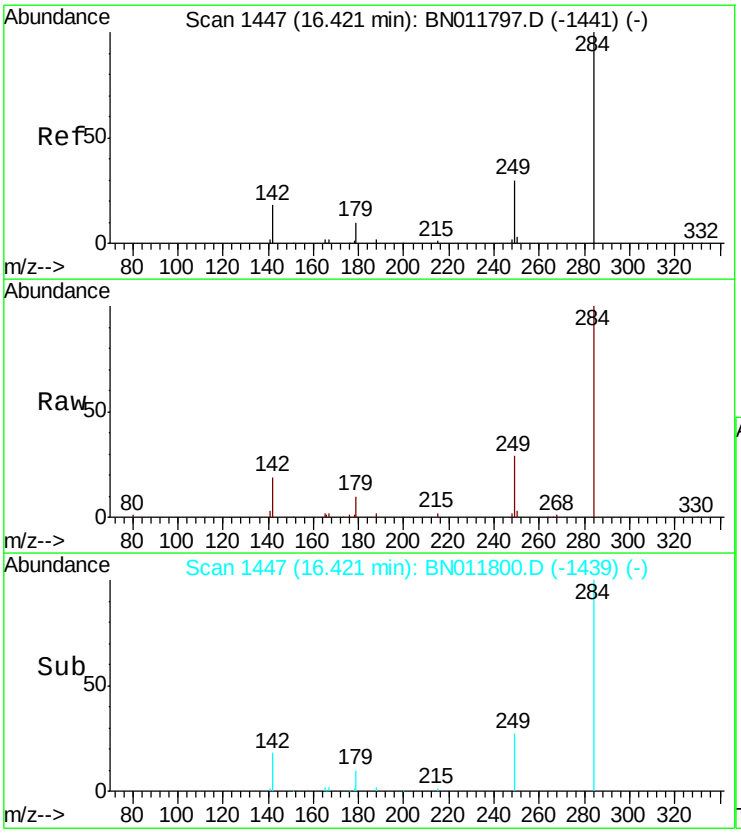
#21
4-Bromophenyl-phenylether
Concen: 3.098 ng
RT: 16.31 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 13224

Ion	Ratio	Lower	Upper
248	100		
250	104.0	82.7	124.1
141	43.0	33.7	50.5

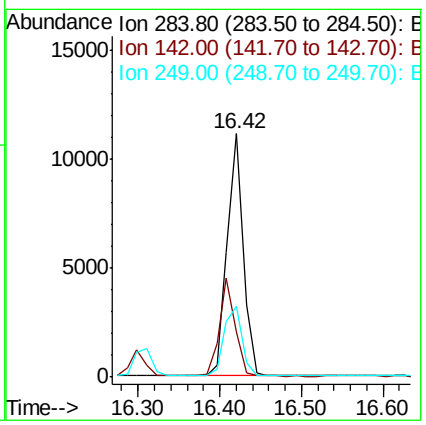


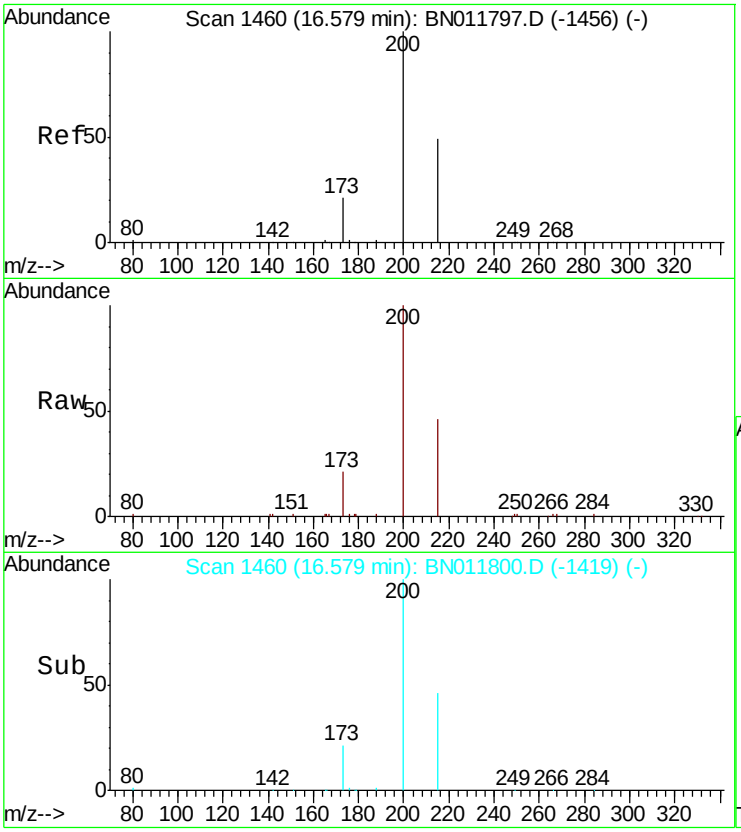


#22
Hexachlorobenzene
Concen: 3.067 ng
RT: 16.42 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:284 Resp: 15151

Ion	Ratio	Lower	Upper
284	100		
142	40.2	32.4	48.6
249	32.3	26.8	40.2



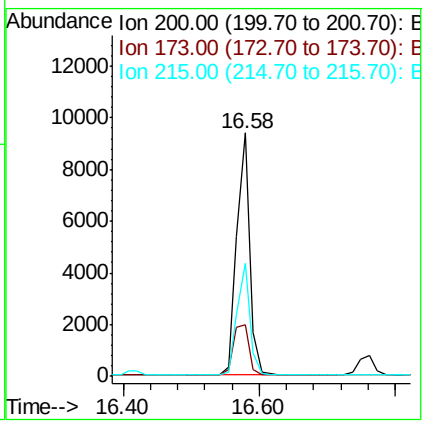


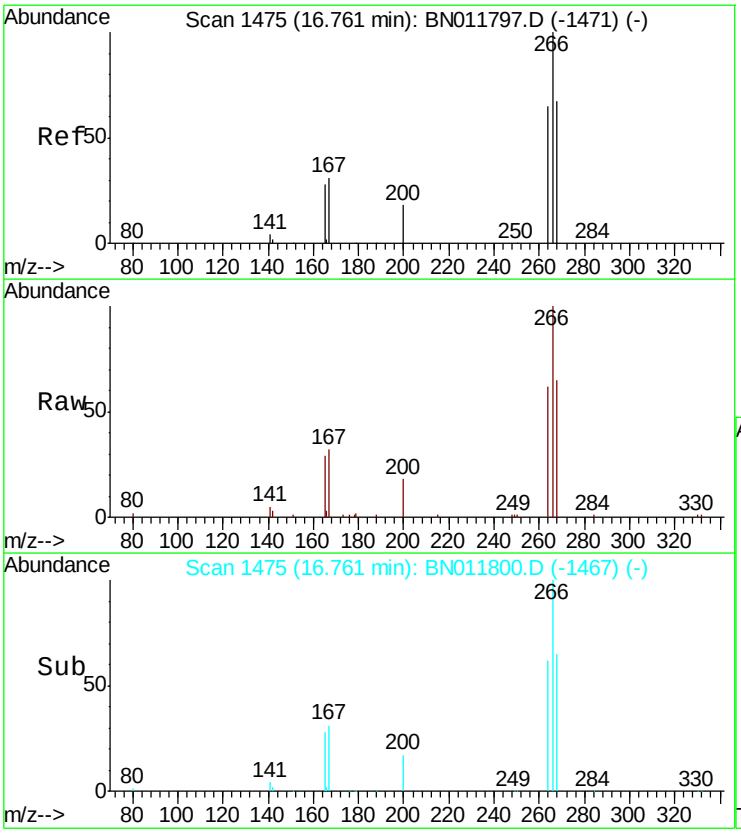
#23
Atrazine
Concen: 3.200 ng
RT: 16.58 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 12390

Ion	Ratio	Lower	Upper
200	100		
173	21.4	18.7	28.1
215	46.4	40.2	60.4

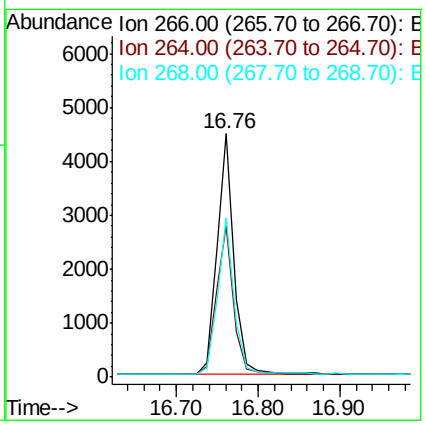


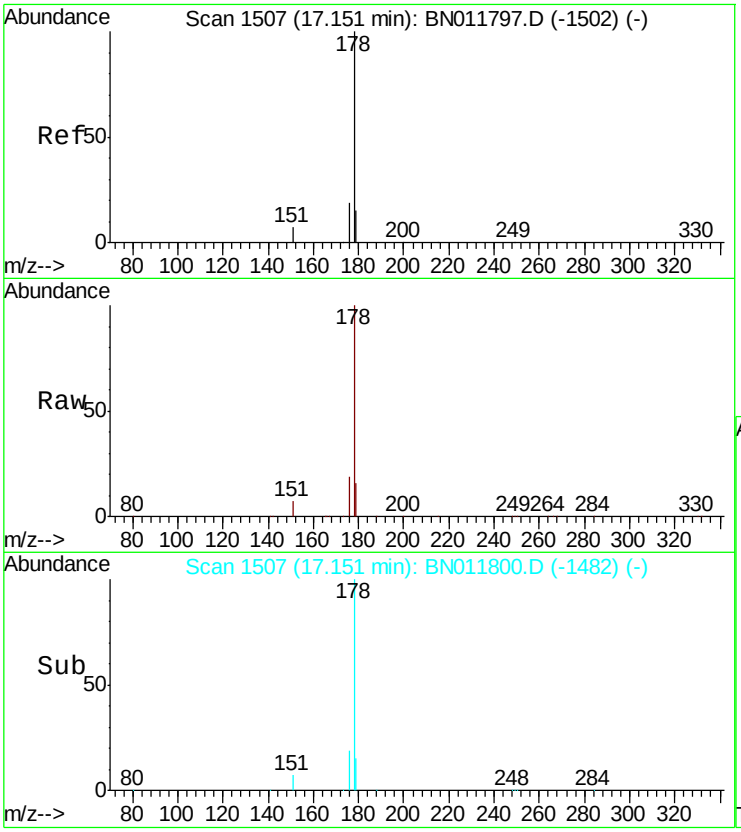


#24
Pentachlorophenol
Concen: 3.135 ng
RT: 16.76 min Scan# 1475
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:266 Resp: 6507

Ion	Ratio	Lower	Upper
266	100		
264	63.6	51.2	76.8
268	64.0	52.4	78.6



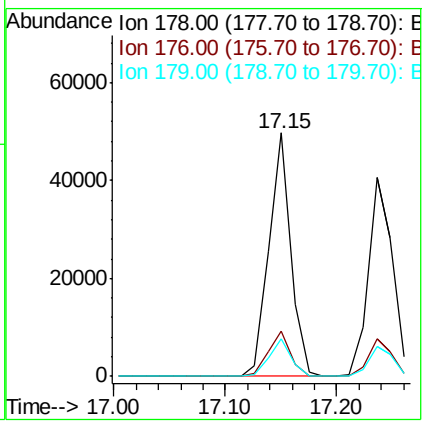


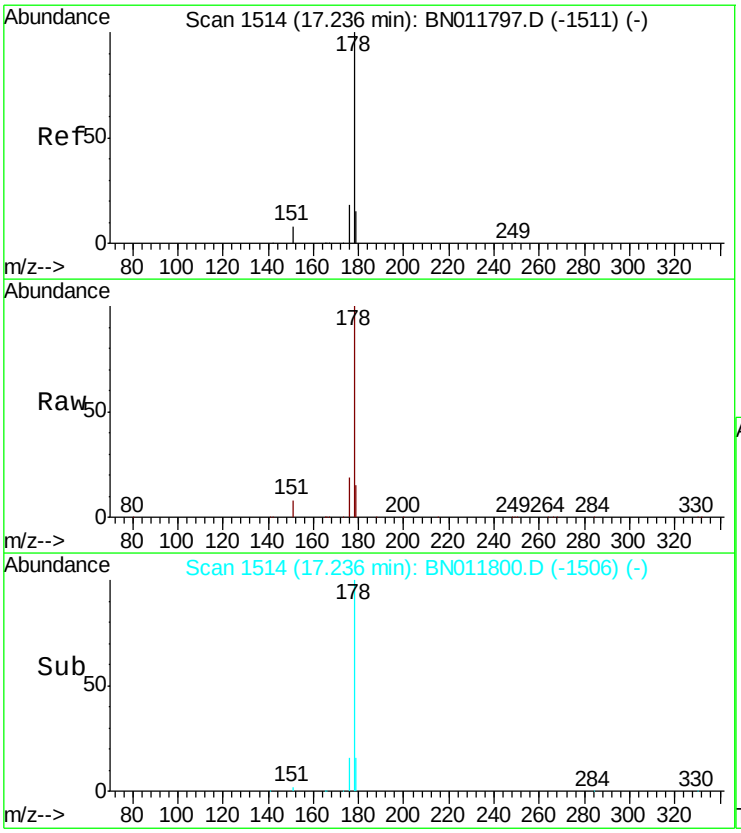
#25
Phenanthrene
Concen: 3.052 ng
RT: 17.15 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 67655

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.3	12.3	18.5

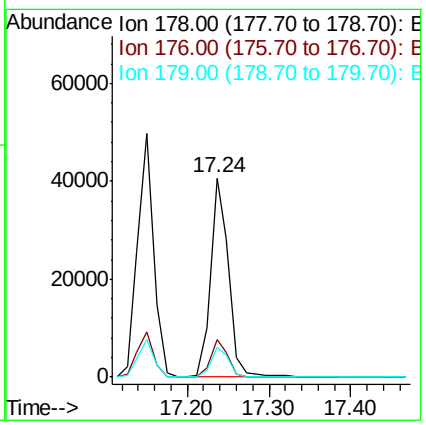


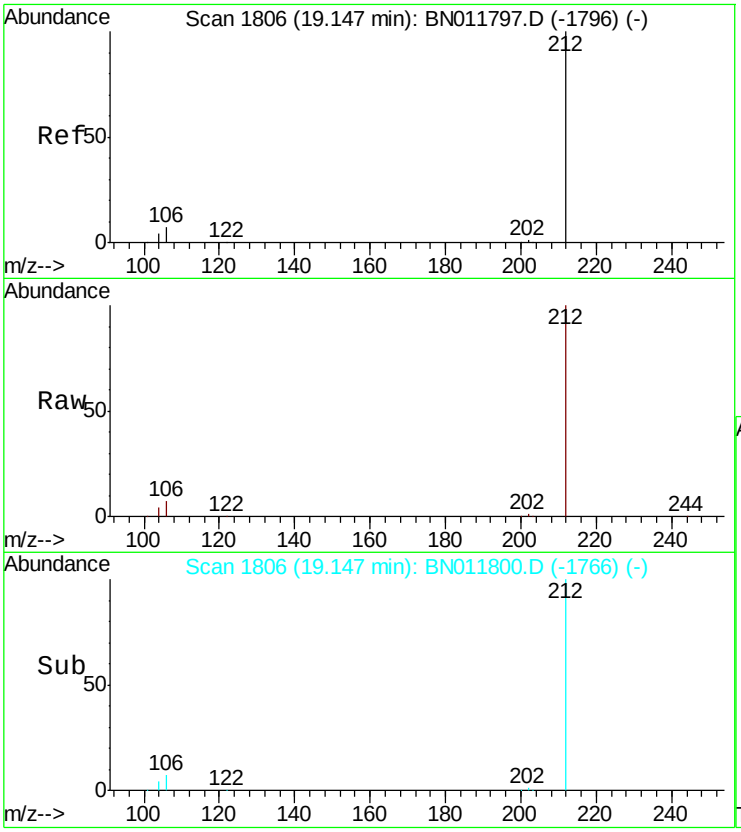


#26
Anthracene
Concen: 3.169 ng
RT: 17.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:178 Resp: 62129

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.4	18.6



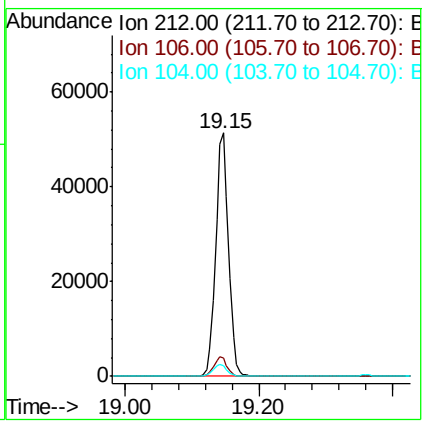


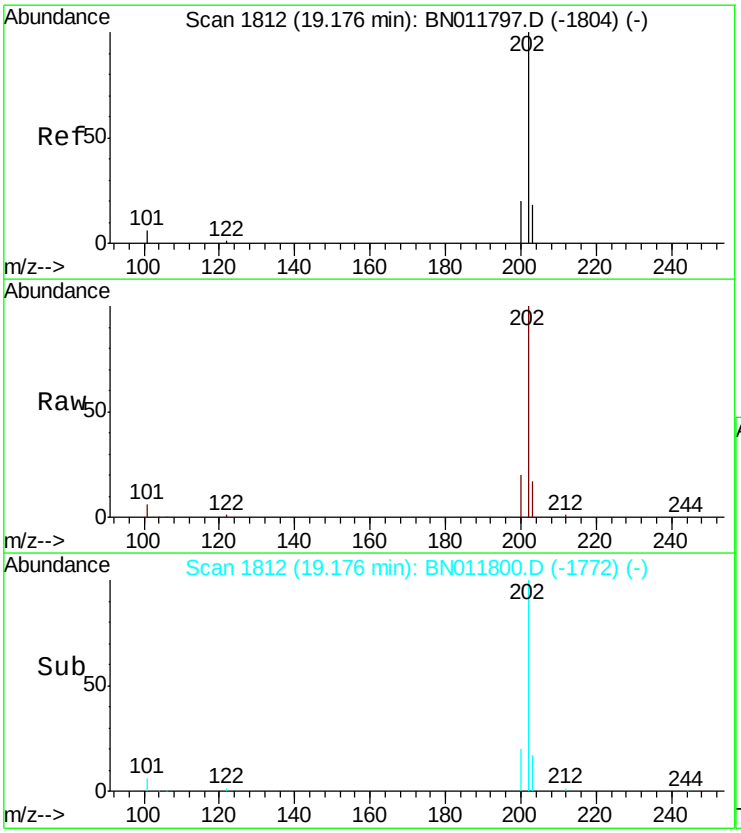
#27
Fluoranthene-d10
Concen: 3.118 ng
RT: 19.15 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 68144

Ion	Ratio	Lower	Upper
212	100		
106	8.0	6.4	9.6
104	4.8	3.9	5.9

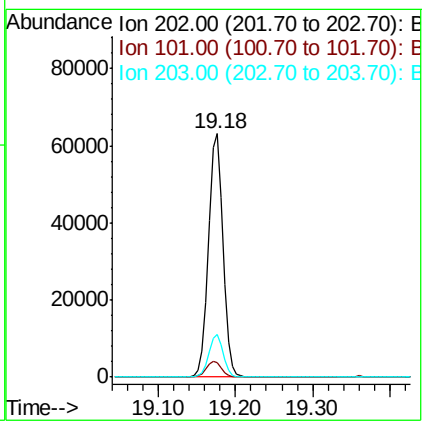


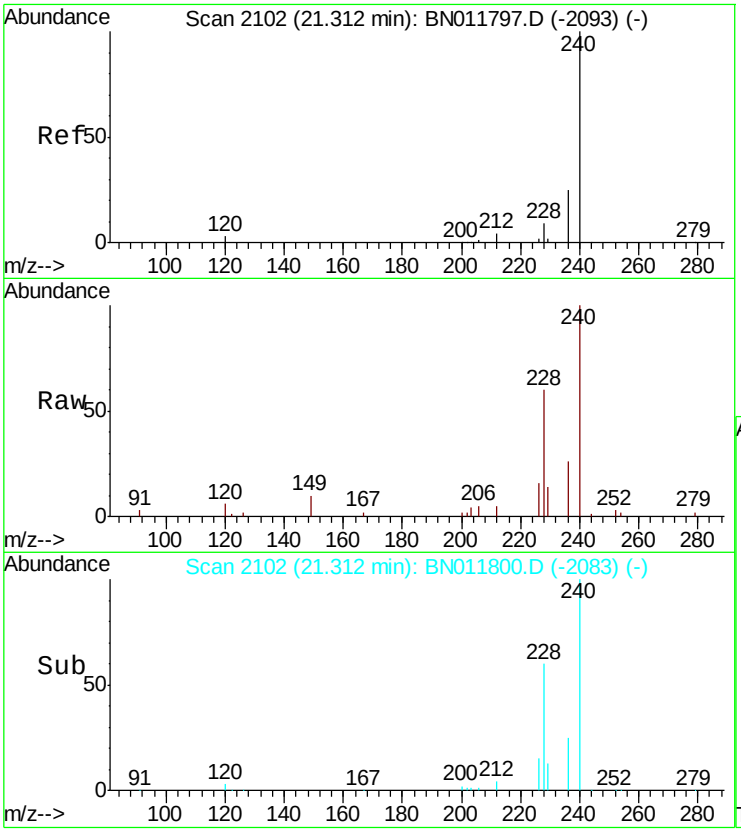


#28
Fluoranthene
Concen: 3.030 ng
RT: 19.18 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:202 Resp: 81932

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.4	8.2
203	17.2	13.8	20.6



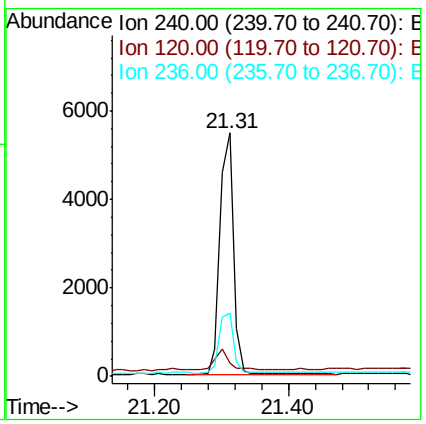


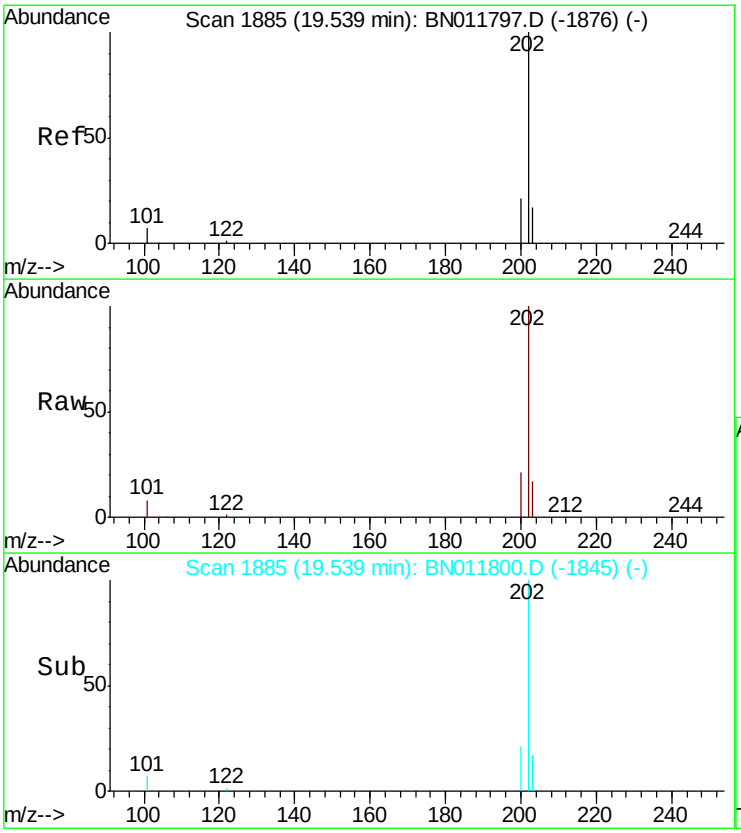
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 7544

Ion	Ratio	Lower	Upper
240	100		
120	5.6	3.5	5.3#
236	25.8	20.5	30.7

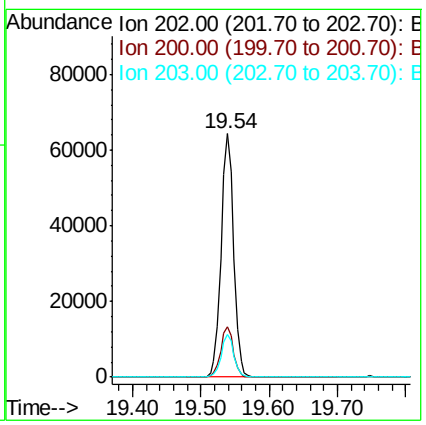


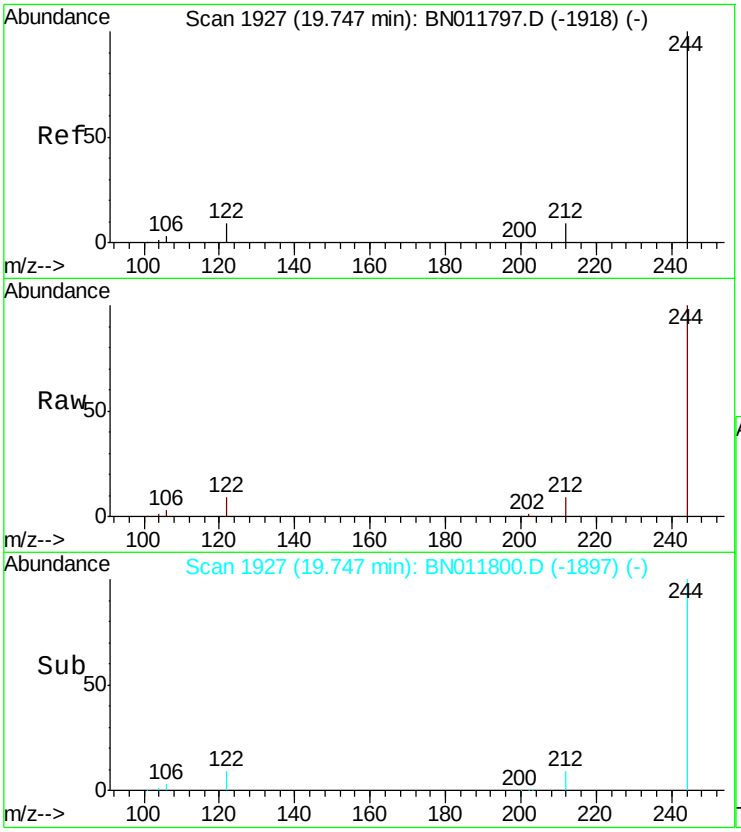


#30
Pyrene
Concen: 3.060 ng
RT: 19.54 min Scan# 1885
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:202 Resp: 81318

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.5	13.9	20.9



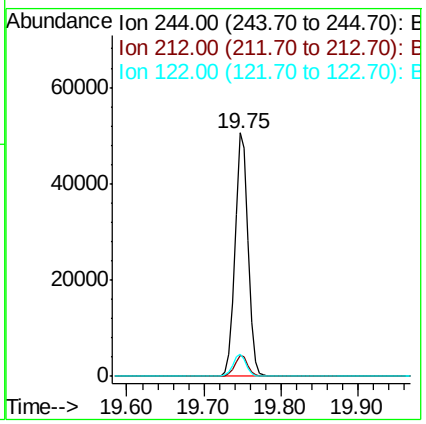


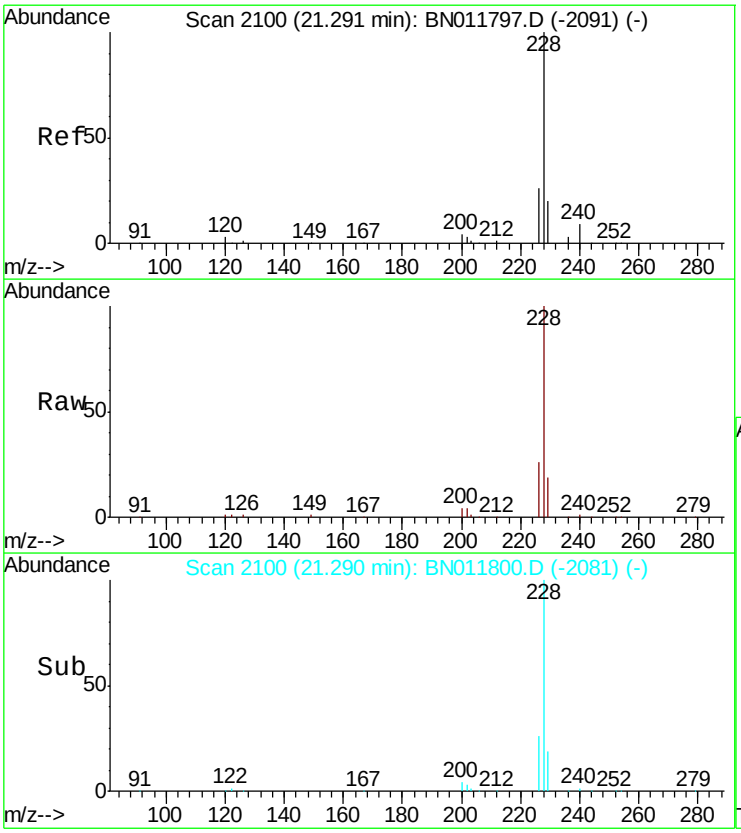
#31
Terphenyl-d14
Concen: 2.778 ng
RT: 19.75 min Scan# 1927
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 58560

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.3	10.9
122	9.3	7.8	11.6

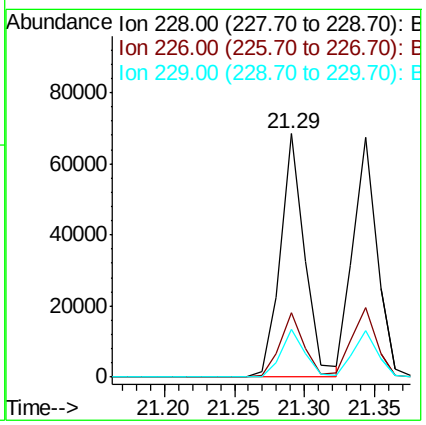


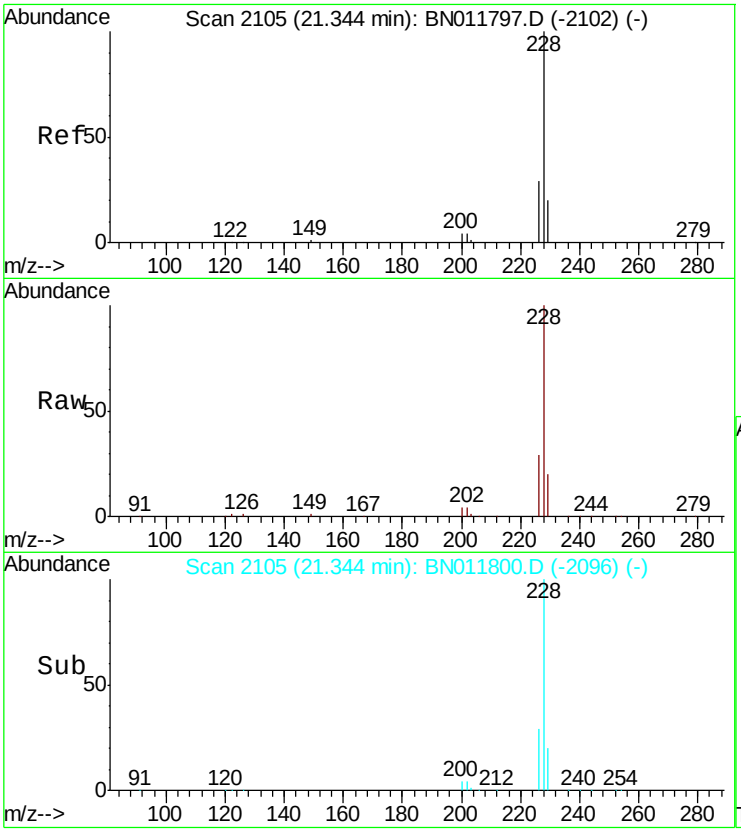


#32
Benzo(a)anthracene
Concen: 3.049 ng
RT: 21.29 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:228 Resp: 83451

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.4
229	19.4	16.0	24.0



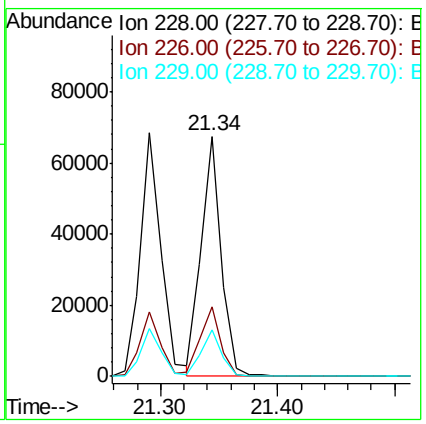


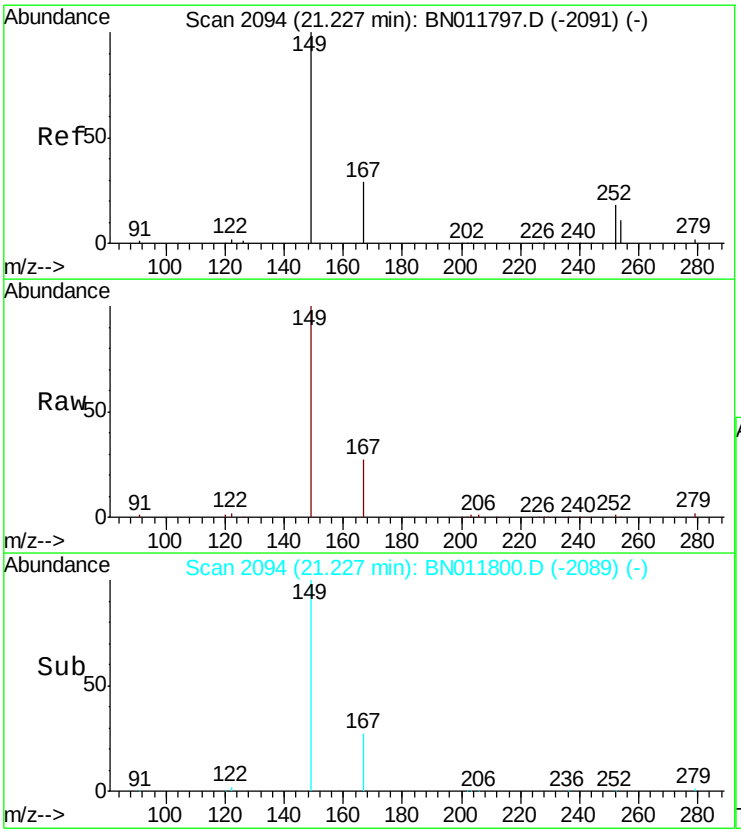
#33
Chrysene
Concen: 2.807 ng
RT: 21.34 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 80360

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.3	34.9
229	19.6	15.8	23.8

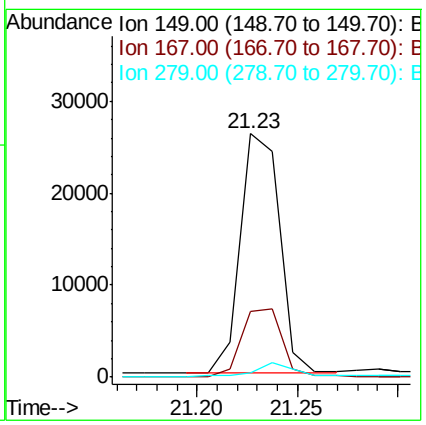


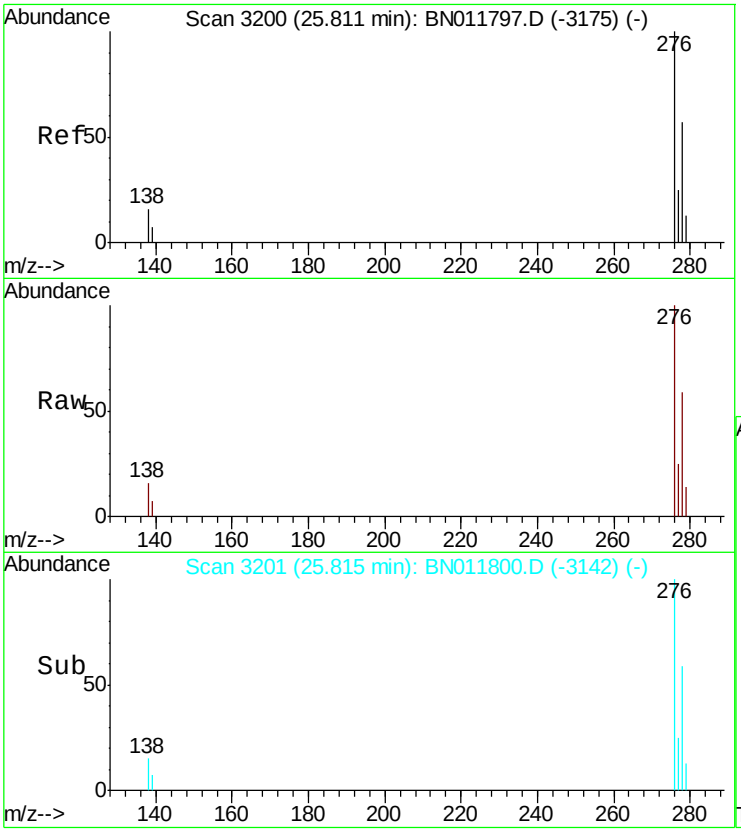


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.648 ng
RT: 21.23 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:149 Resp: 35669

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.6	35.4
279	4.8	4.0	6.0



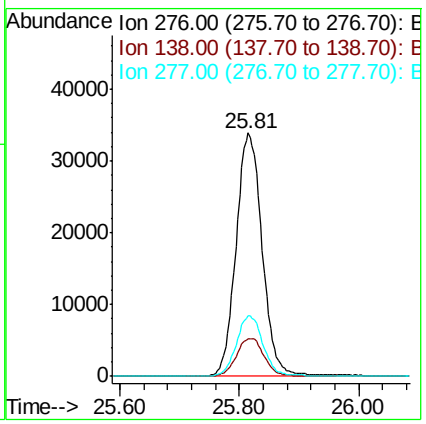


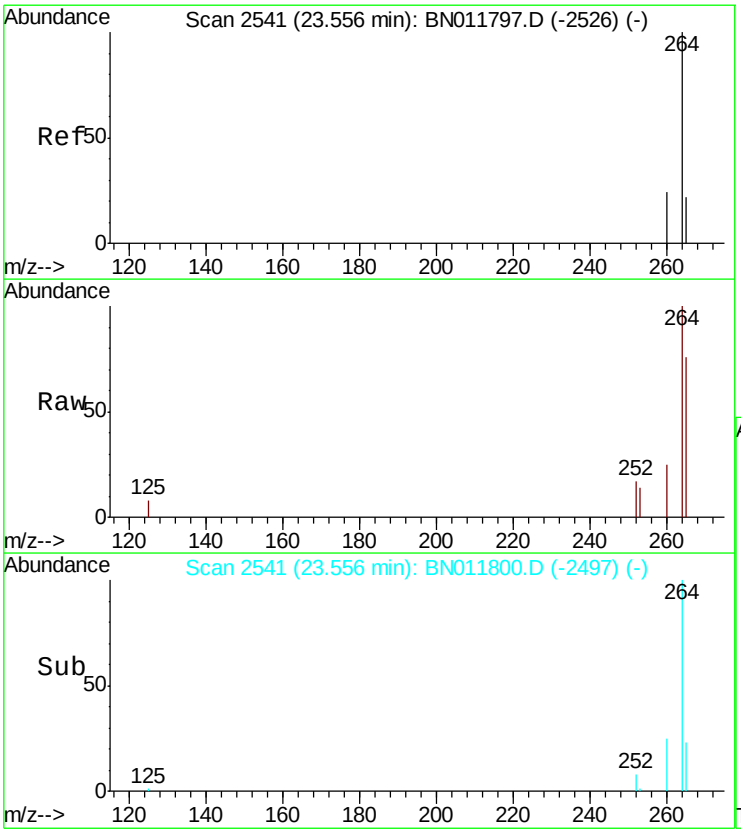
#35
Indeno(1,2,3-cd)pyrene
Concen: 2.744 ng
RT: 25.81 min Scan# 3201
Delta R.T. 0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 102185

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.0	19.4
277	25.1	20.0	30.0

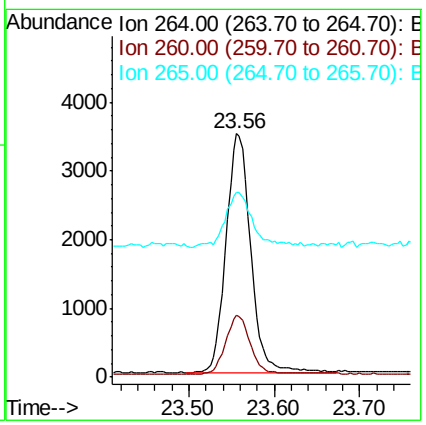


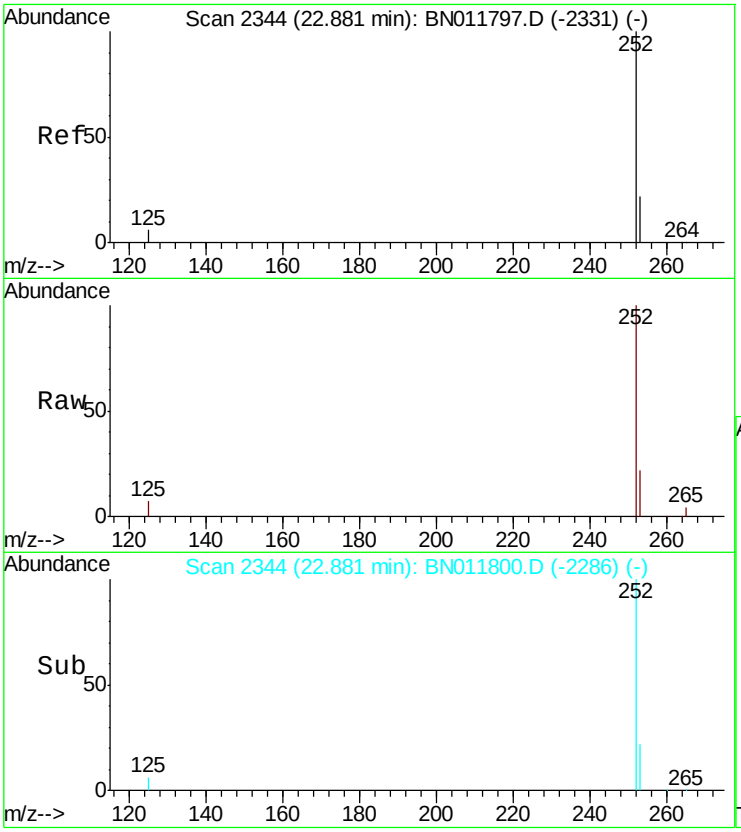


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.56 min Scan# 2541
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:264 Resp: 6966

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.6	29.4
265	76.0	38.6	58.0#



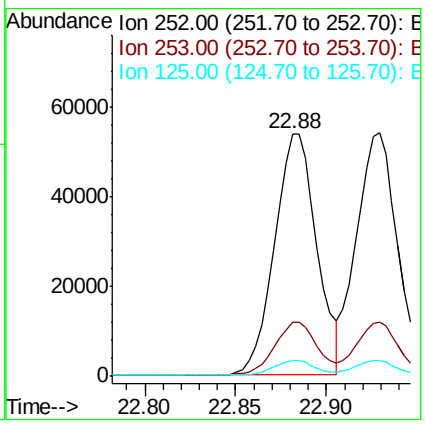


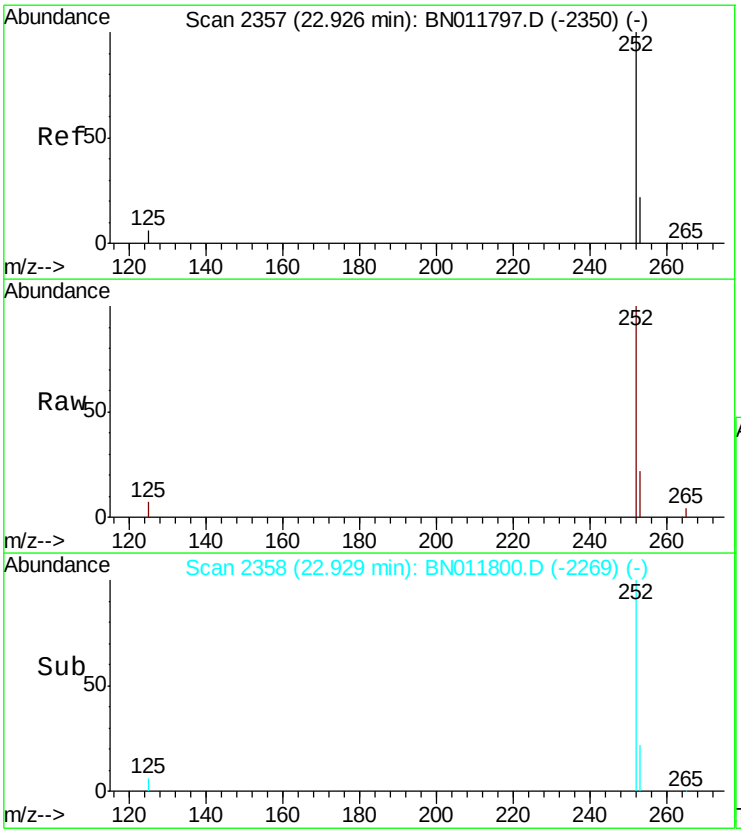
#37
Benzo(b)fluoranthene
Concen: 3.013 ng
RT: 22.88 min Scan# 2344
Delta R.T. -0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 86775

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.1	28.7
125	6.7	6.2	9.2

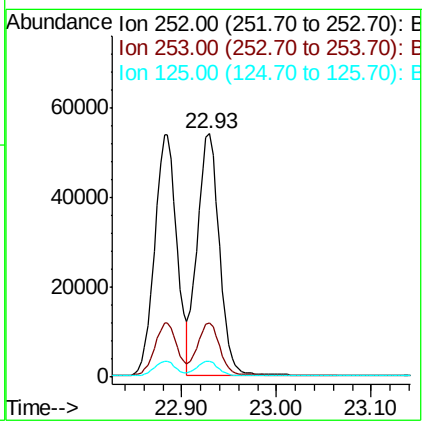


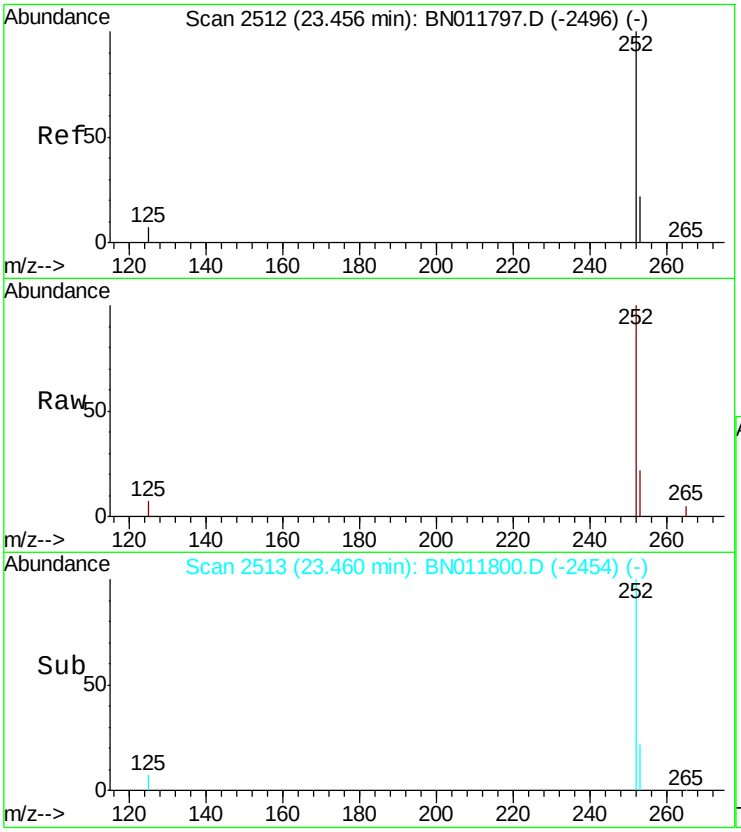


#38
Benzo(k)fluoranthene
Concen: 3.018 ng
RT: 22.93 min Scan# 2358
Delta R.T. 0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:252 Resp: 86439

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.3	28.9
125	6.6	6.0	9.0



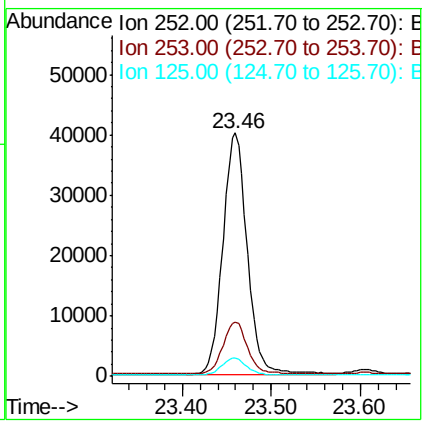


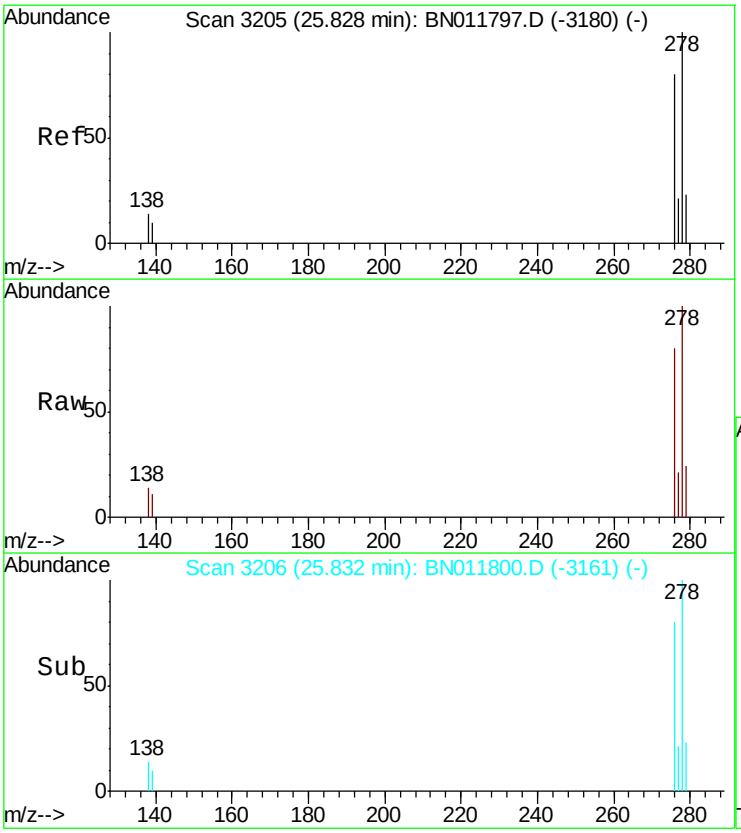
#39
Benzo(a)pyrene
Concen: 3.034 ng
RT: 23.46 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 76431

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.8	29.6
125	7.4	7.3	10.9

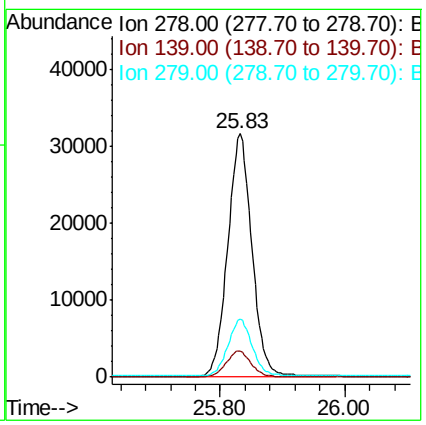


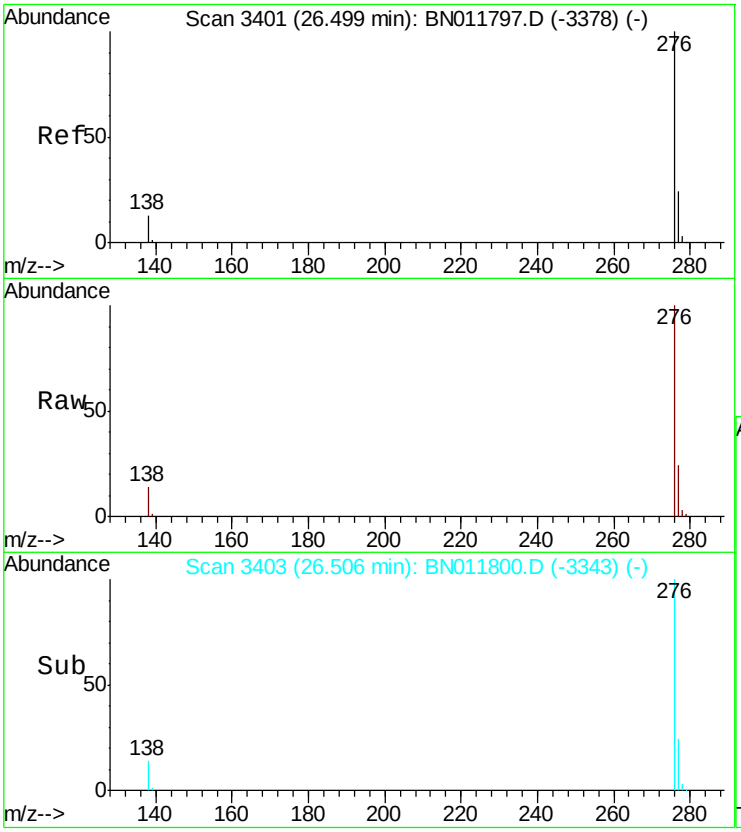


#40
Dibenzo(a,h)anthracene
Concen: 2.987 ng
RT: 25.83 min Scan# 3206
Delta R.T. 0.00 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Tgt Ion:278 Resp: 85411

Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.6	13.0
279	23.7	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 2.908 ng
RT: 26.51 min Scan# 3403
Delta R.T. 0.01 min
Lab File: BN011800.D
Acq: 15 Sep 2020 13:46

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 83787

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	13.8	11.3	16.9