Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072820\
Data File : BN011274.D
Acq On : 28 Jul 2020 10:58
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC0.2

Quant Time: Jul 28 12:14:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 28 12:05:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1265	0.40	ng		0.00
7) Naphthalene-d8	10.24	136	4482	0.40	ng		0.01
13) Acenaphthene-d10	14.10	164	3055	0.40	ng		0.00
19) Phenanthrene-d10	16.87	188	6190	0.40	ng		0.01
29) Chrysene-d12	21.09	240	5321	0.40	ng		0.00
36) Perylene-d12	23.22	264	4608	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.15	112	743	0.24	ng		0.00
5) Phenol-d6	6.69	99	882	0.25	ng		0.00
8) Nitrobenzene-d5	8.64	82	801	0.20	ng		0.01
11) 2-Methylnaphthalene-d10	11.83	152	1810	0.25	ng		0.00
14) 2,4,6-Tribromophenol	15.63	330	272	0.20	ng		0.01
15) 2-Fluorobiphenyl	12.73	172	2613	0.18	ng		0.01
27) Fluoranthene-d10	18.91	212	4642	0.24	ng		0.00
31) Terphenyl-d14	19.53	244	3636	0.26	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	373	0.206	ng	#	88
3) n-Nitrosodimethylamine	3.54	42	166	0.182	ng	#	87
6) bis(2-Chloroethyl)ether	6.94	93	716	0.222	ng		90
9) Naphthalene	10.28	128	2852	0.214	ng	#	94
10) Hexachlorobutadiene	10.57	225	735	0.222	ng	#	100
12) 2-Methylnaphthalene	11.91	142	1984	0.237	ng		96
16) Acenaphthylene	13.82	152	3081	0.198	ng		99
17) Acenaphthene	14.17	154	2248	0.217	ng		97
18) Fluorene	15.17	166	2737	0.206	ng		100
20) 4,6-Dinitro-2-methylphenol	15.31	198	122	0.150	ng	#	62
21) 4-Bromophenyl-phenylether	16.08	248	894	0.212	ng	#	87
22) Hexachlorobenzene	16.18	284	1035	0.211	ng		99
23) Atrazine	16.36	200	670	0.227	ng	#	92
24) Pentachlorophenol	16.54	266	263	0.181	ng		99
25) Phenanthrene	16.91	178	4346	0.219	ng		99
26) Anthracene	17.00	178	3397	0.206	ng		100
28) Fluoranthene	18.94	202	5541	0.232	ng		99
30) Pyrene	19.31	202	5395	0.266	ng		99
32) Benzo(a)anthracene	21.07	228	3606	0.209	ng		96
33) Chrysene	21.12	228	4517	0.214	ng		99
34) Bis(2-ethylhexyl)phthalate	21.02	149	2098	0.295	ng		100
35) Indeno(1,2,3-cd)pyrene	25.30	276	4358	0.198	ng		97
37) Benzo(b)fluoranthene	22.59	252	3919	0.212	ng	#	89
38) Benzo(k)fluoranthene	22.63	252	4257	0.204	ng	#	88
39) Benzo(a)pyrene	23.13	252	3410	0.205	ng	#	83
40) Dibenzo(a,h)anthracene	25.32	278	3440	0.195	ng	#	87
41) Benzo(g,h,i)perylene	25.92	276	3997	0.206	ng		97

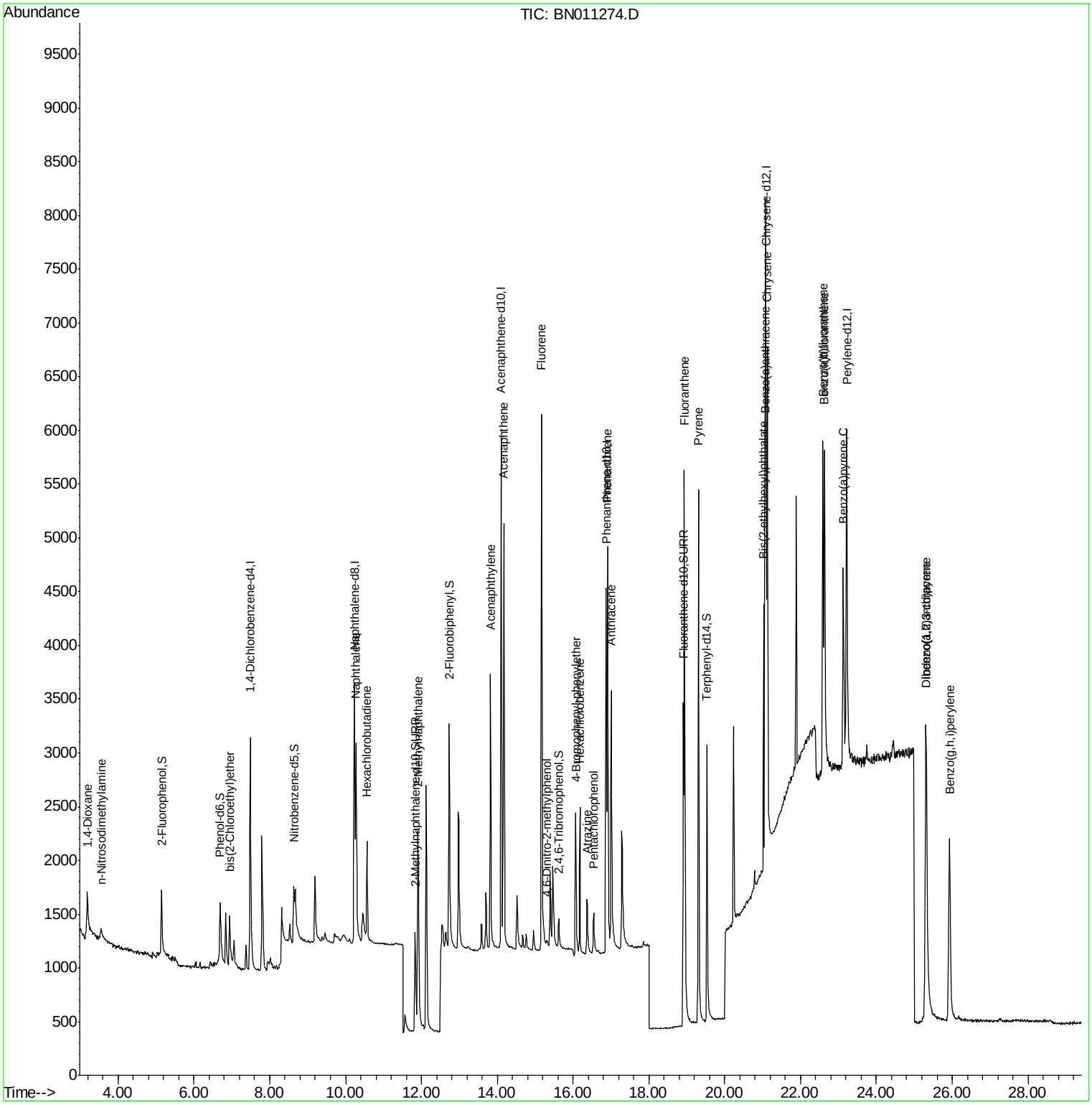
(#) = qualifier out of range (m) = manual integration (+) = signals summed

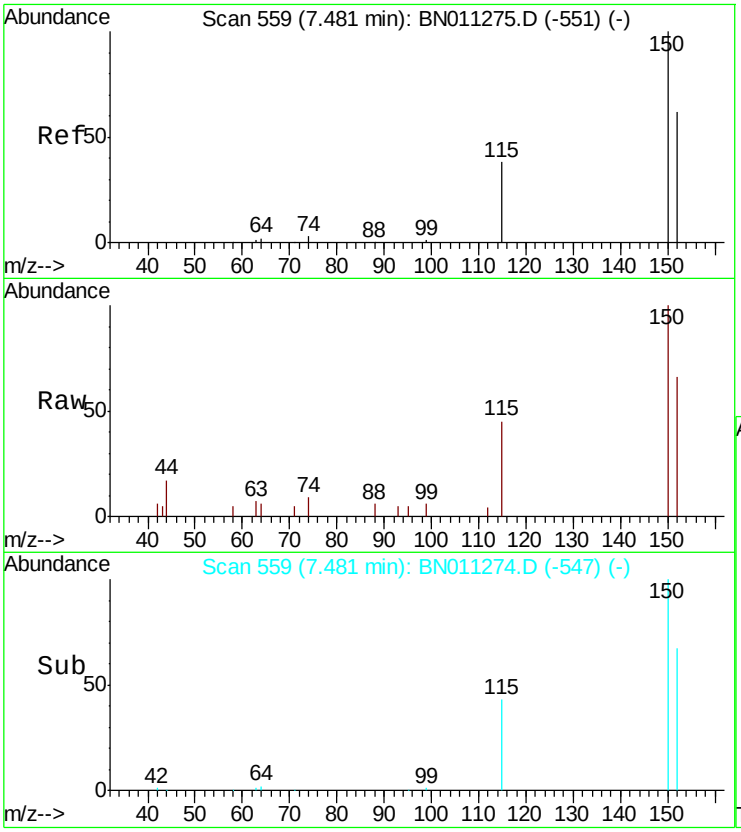
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072820\
Data File : BN011274.D
Acq On : 28 Jul 2020 10:58
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jul 28 12:14:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 28 12:05:27 2020
Response via : Initial Calibration



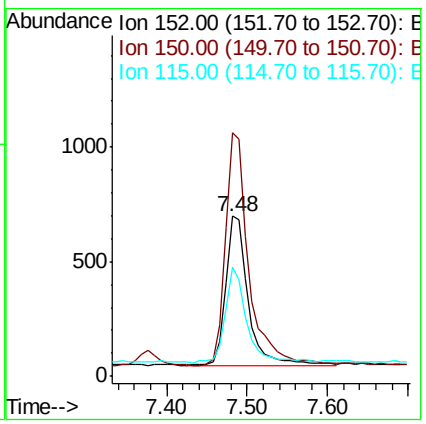


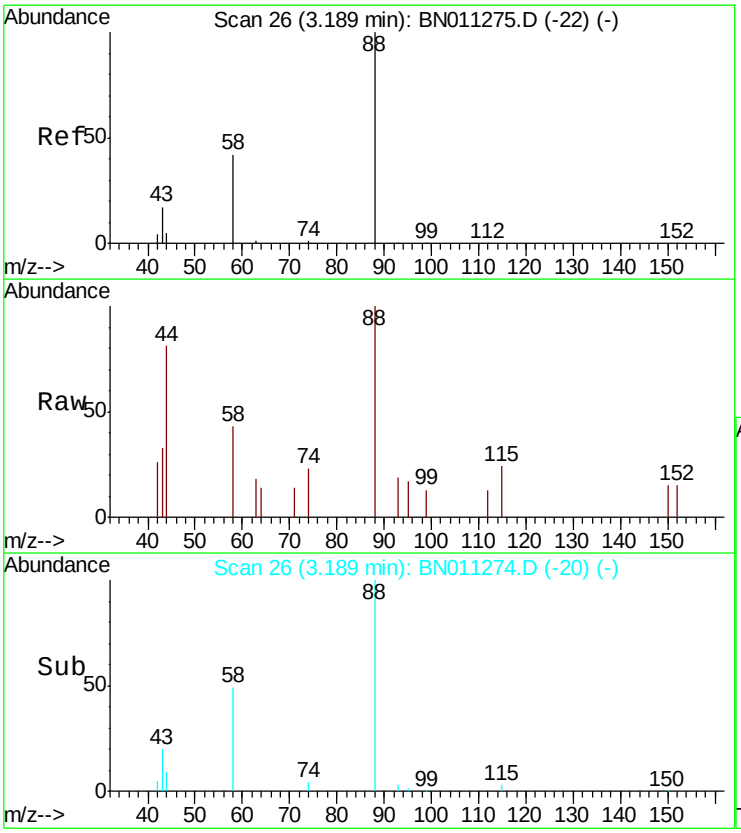
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 559
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1265

Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.5	189.7
115	68.3	51.9	77.9

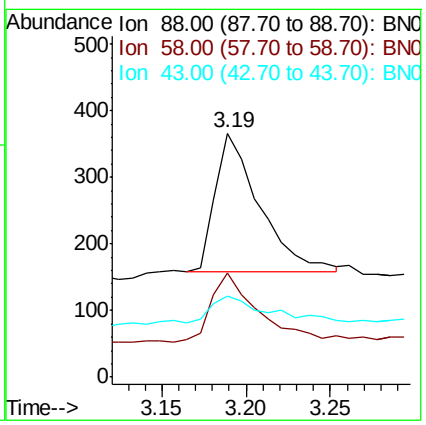


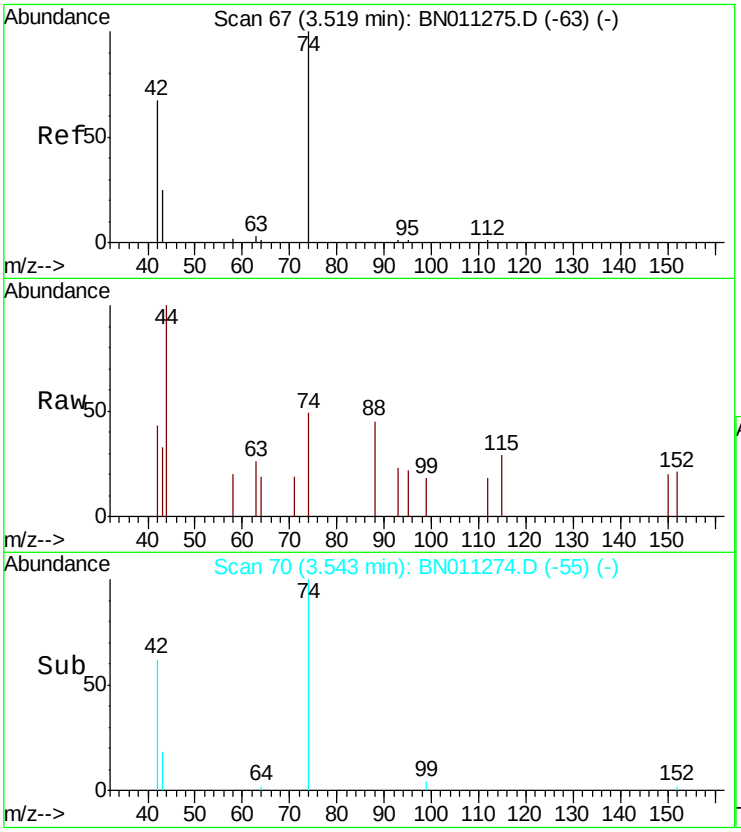


#2
1,4-Dioxane
Concen: 0.206 ng
RT: 3.19 min Scan# 26
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion: 88 Resp: 373

Ion	Ratio	Lower	Upper
88	100		
58	53.9	36.5	54.7
43	24.4	16.1	24.1#



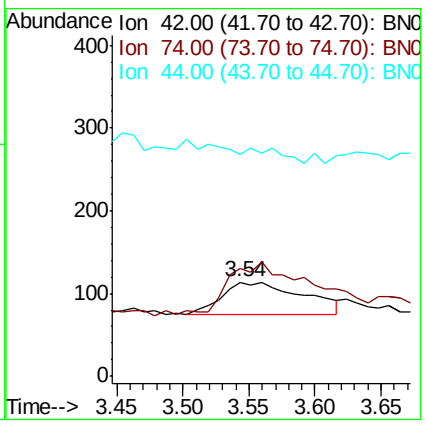


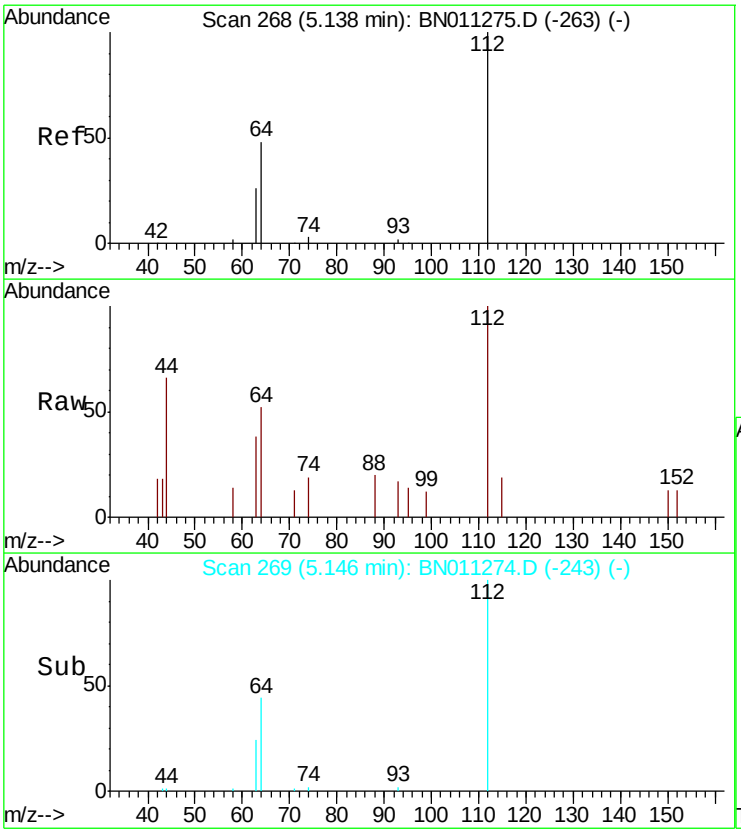
#3
n-Nitrosodimethylamine
Concen: 0.182 ng
RT: 3.54 min Scan# 70
Delta R.T. 0.02 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 166

Ion	Ratio	Lower	Upper
42	100		
74	163.9	144.2	216.2
44	0.0	11.1	16.7#

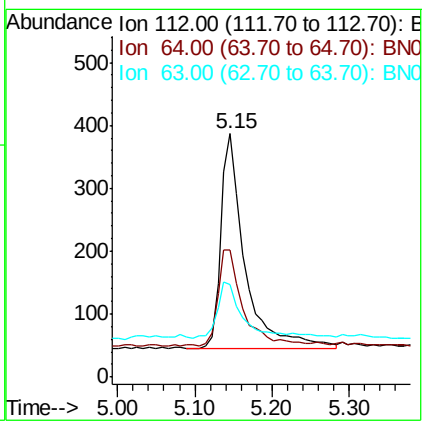


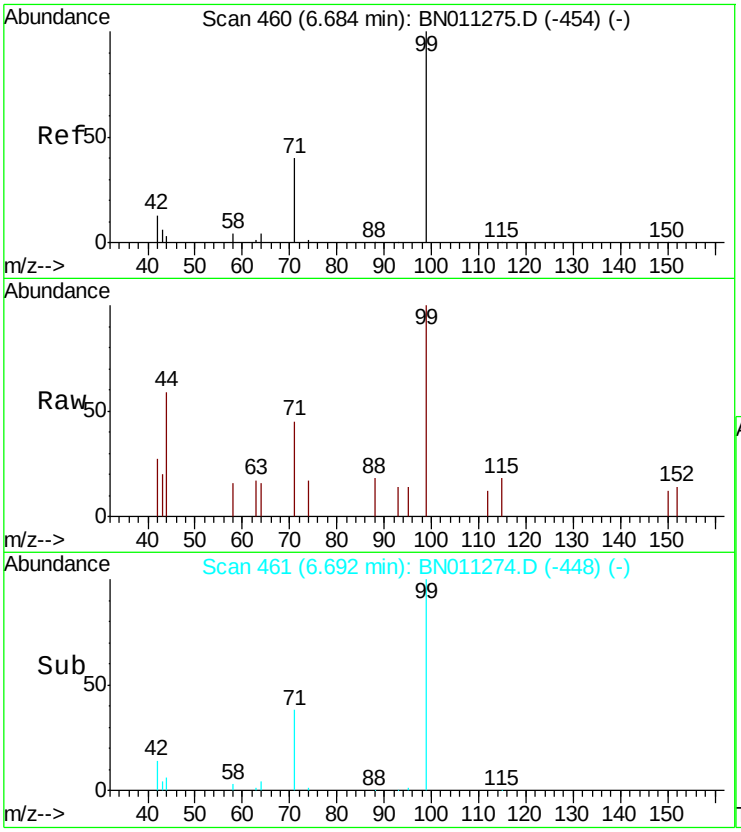


#4
2-Fluorophenol
Concen: 0.238 ng
RT: 5.15 min Scan# 269
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:112 Resp: 743

Ion	Ratio	Lower	Upper
112	100		
64	46.6	35.8	53.6
63	29.3	19.3	28.9#



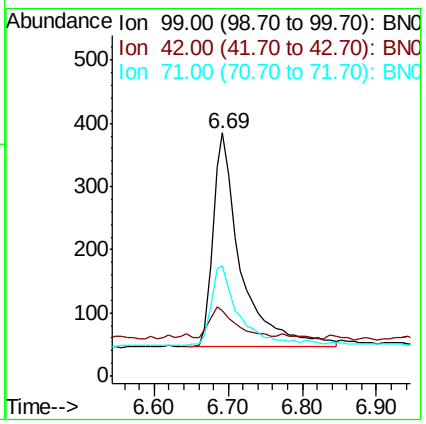


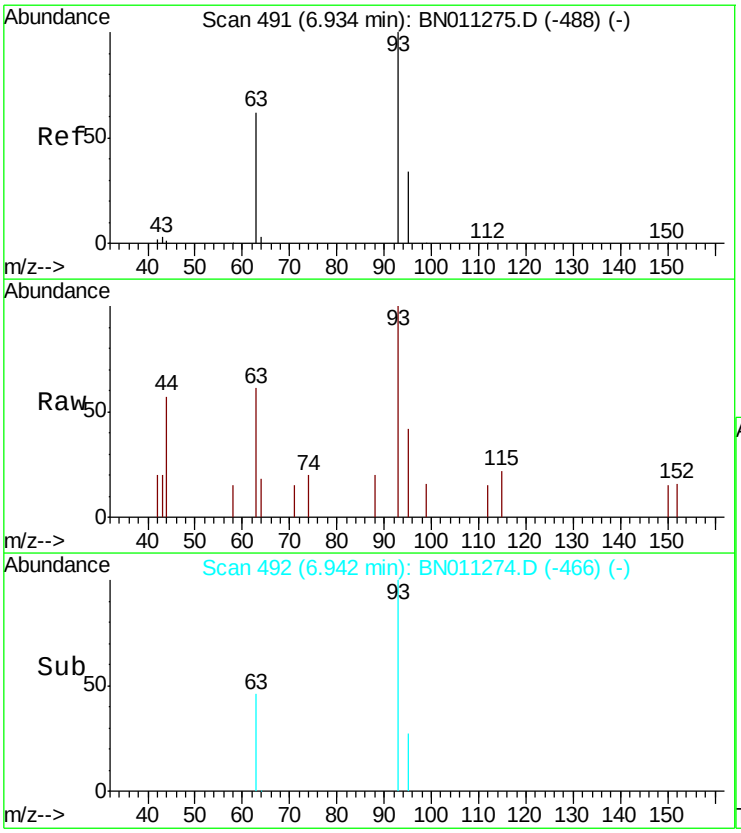
#5
Phenol-d6
Concen: 0.250 ng
RT: 6.69 min Scan# 461
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 882

Ion	Ratio	Lower	Upper
99	100		
42	13.6	11.2	16.8
71	36.7	30.6	45.8

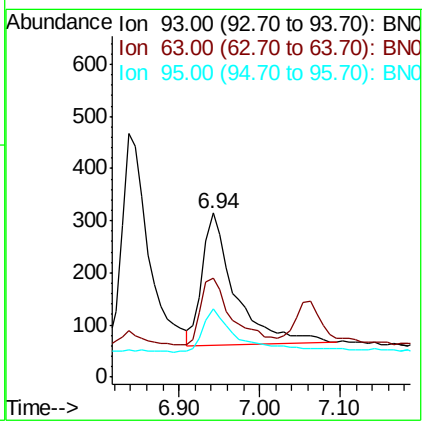


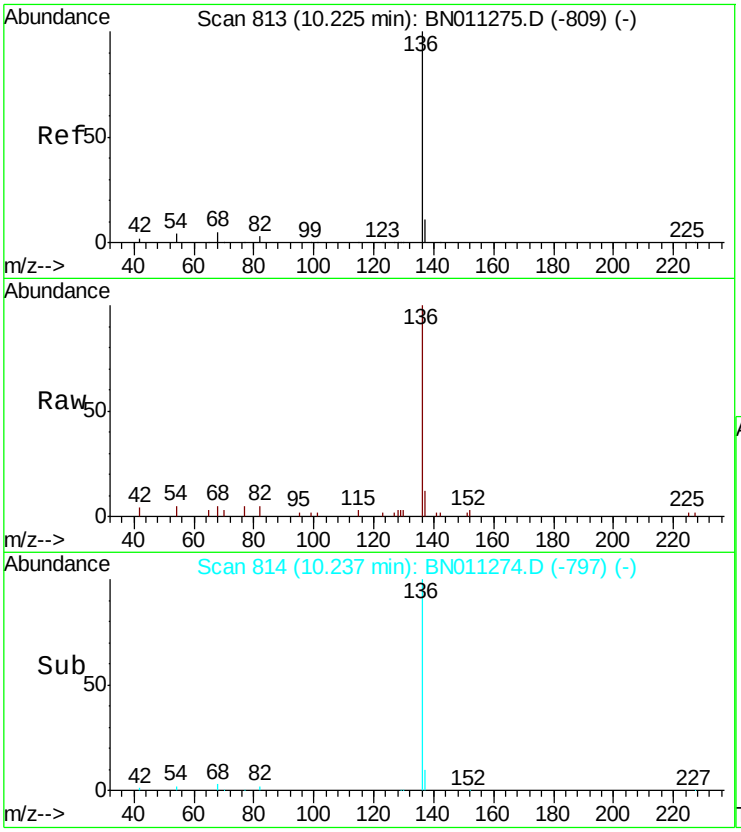


#6
bis(2-Chloroethyl)ether
Concen: 0.222 ng
RT: 6.94 min Scan# 492
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion: 93 Resp: 716

Ion	Ratio	Lower	Upper
93	100		
63	48.0	47.8	71.6
95	33.9	27.1	40.7



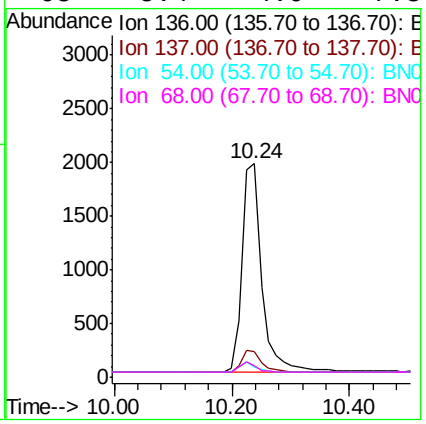


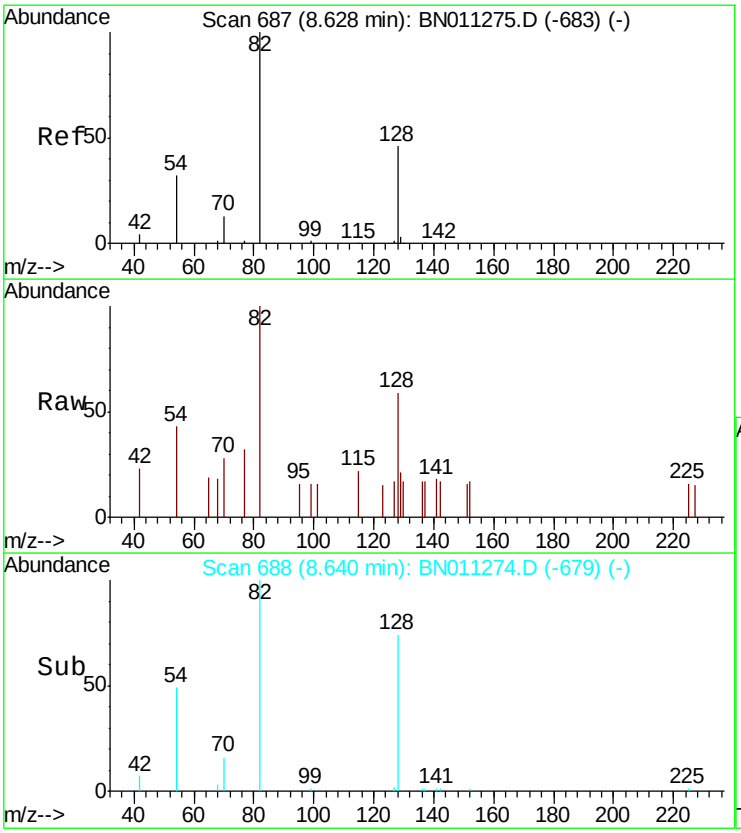
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.24 min Scan# 814
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 4482

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.9	14.9
54	4.8	4.8	7.2#
68	5.4	4.9	7.3

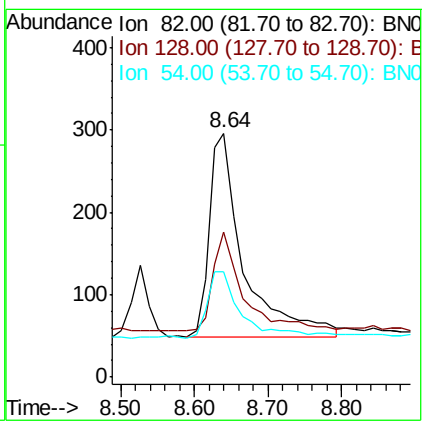


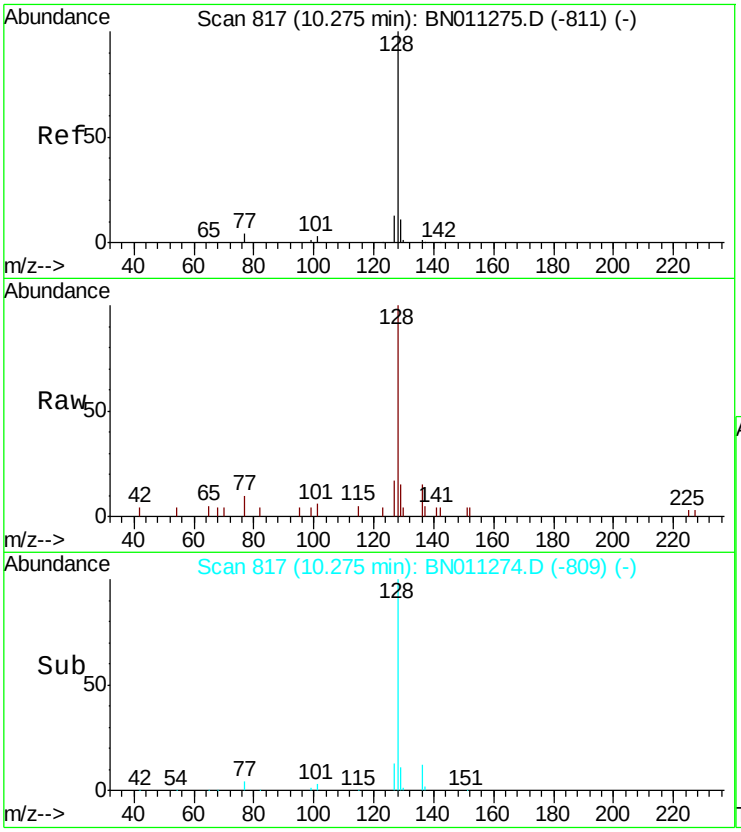


#8
Nitrobenzene-d5
Concen: 0.202 ng
RT: 8.64 min Scan# 688
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion: 82 Resp: 801

Ion	Ratio	Lower	Upper
82	100		
128	59.5	40.1	60.1
54	43.2	29.0	43.6



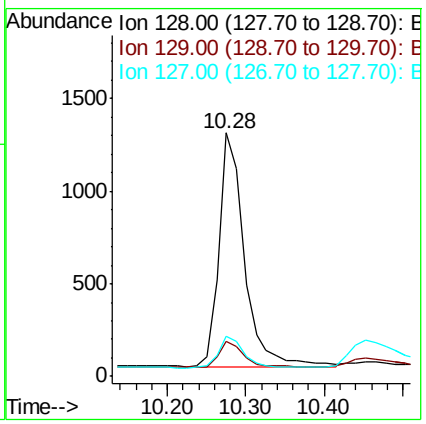


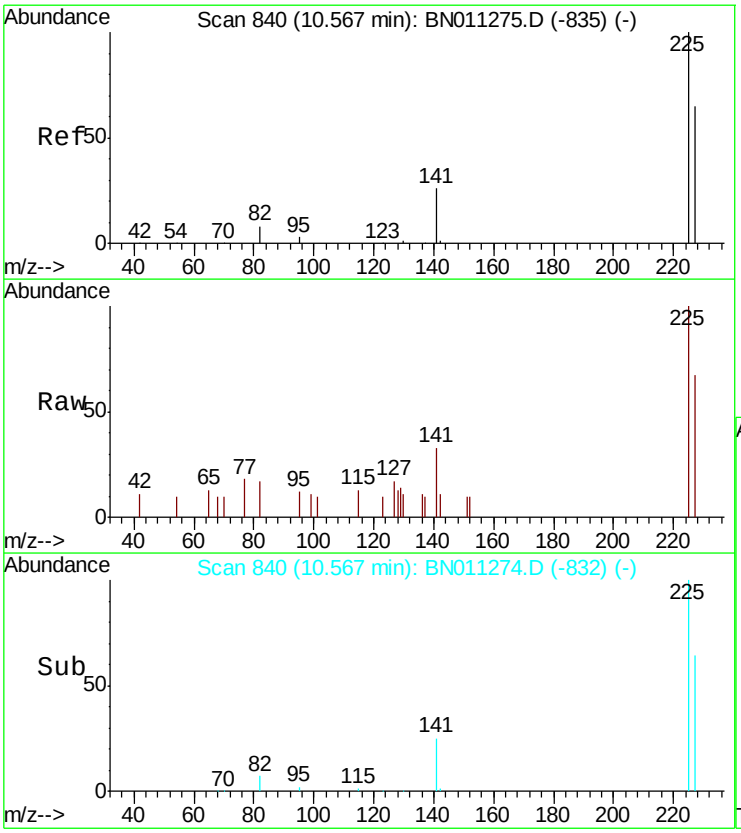
#9
Naphthalene
Concen: 0.214 ng
RT: 10.28 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 2852

Ion	Ratio	Lower	Upper
128	100		
129	14.6	9.7	14.5#
127	16.6	11.5	17.3

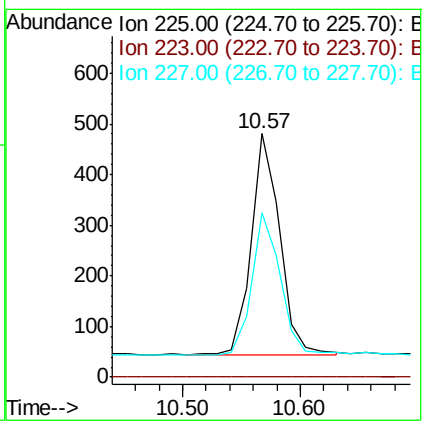


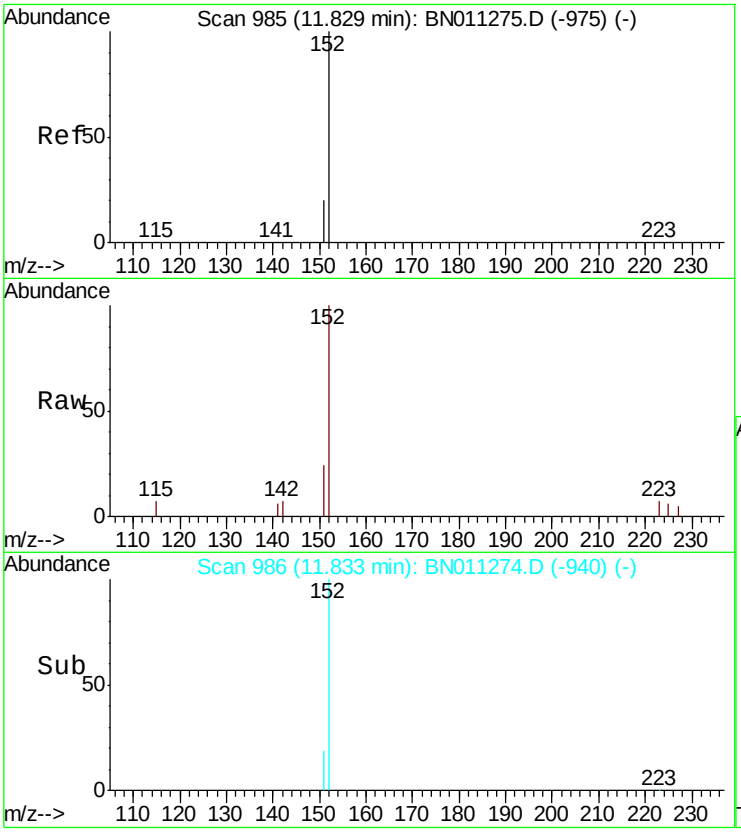


#10
Hexachlorobutadiene
Concen: 0.222 ng
RT: 10.57 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:225 Resp: 735

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.8	51.7	77.5



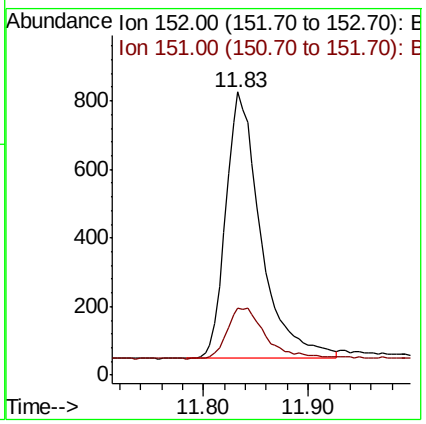


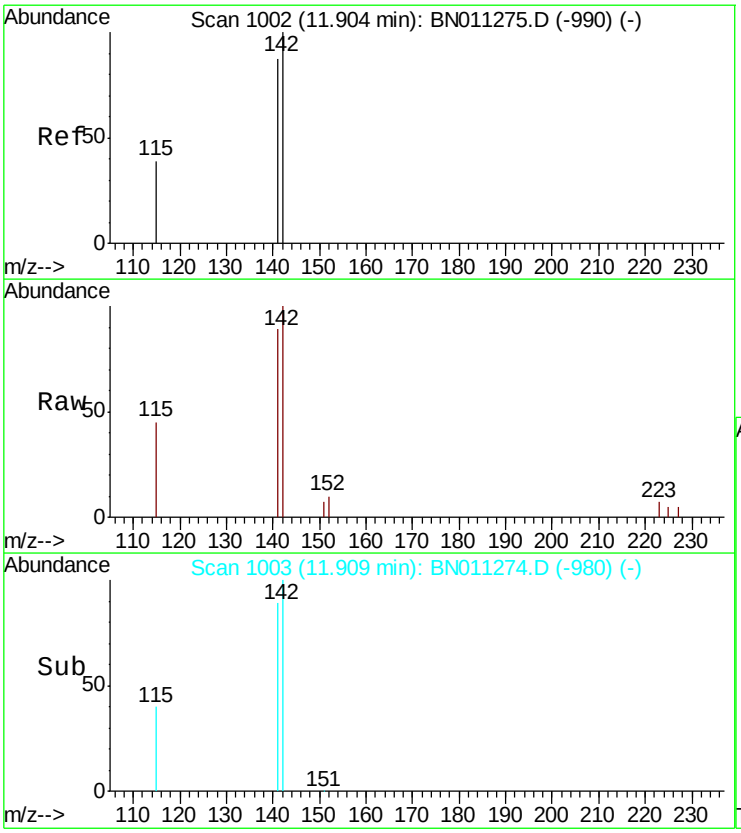
#11
2-Methylnaphthalene-d10
Concen: 0.249 ng
RT: 11.83 min Scan# 986
Delta R.T. 0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1810

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8

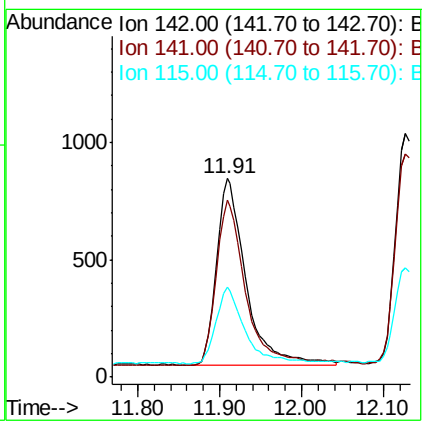


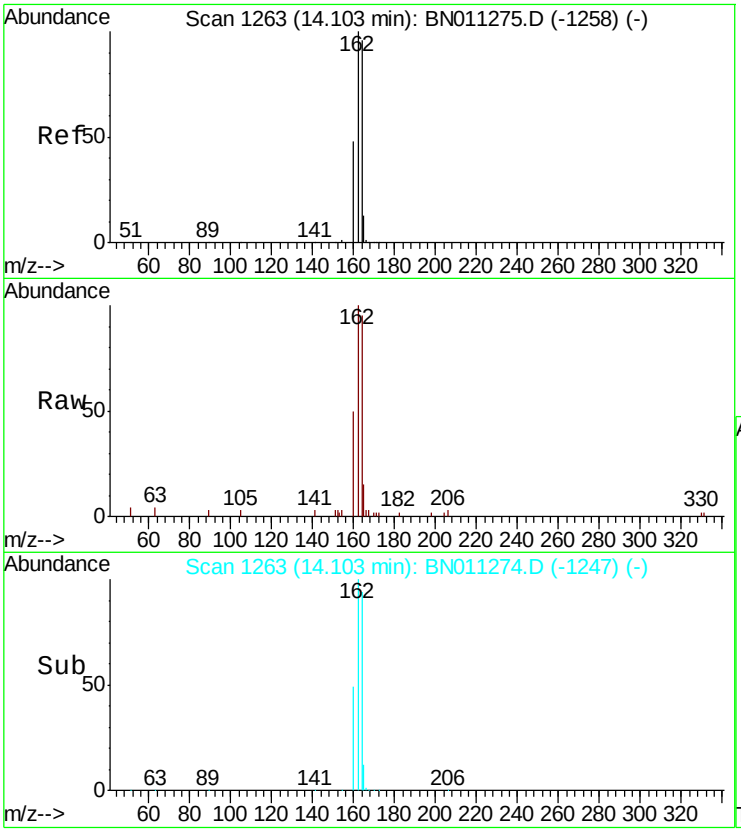


#12
2-Methylnaphthalene
Concen: 0.237 ng
RT: 11.91 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:142 Resp: 1984

Ion	Ratio	Lower	Upper
142	100		
141	89.2	69.6	104.4
115	45.0	32.5	48.7



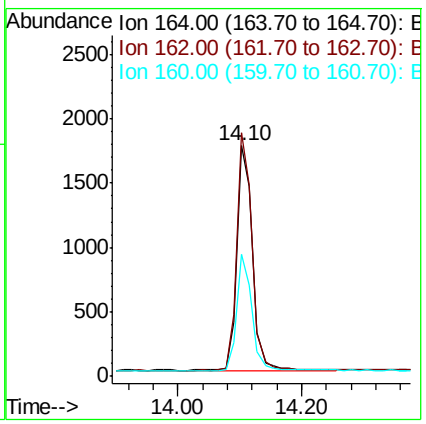


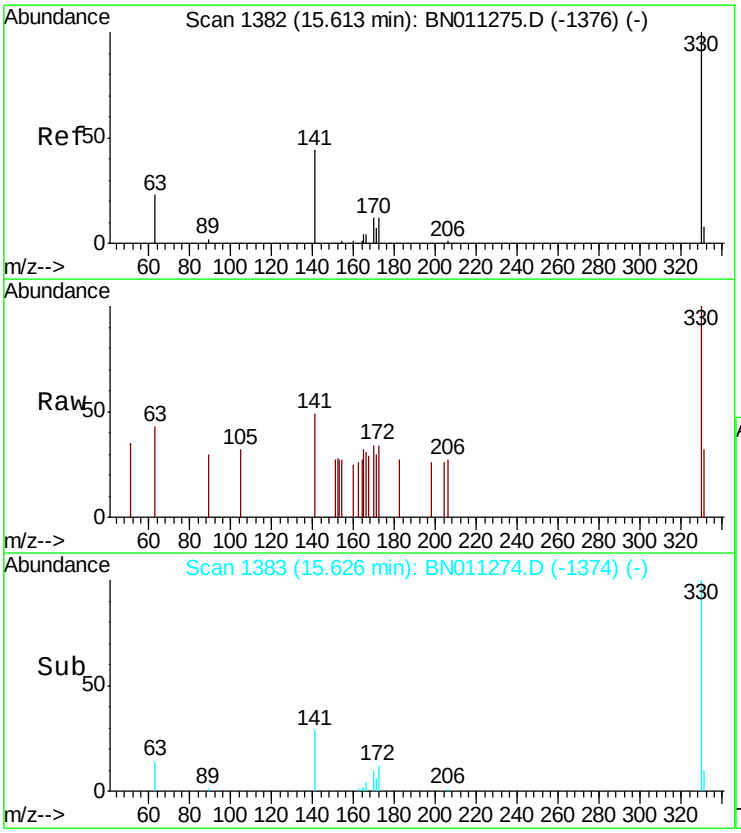
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.10 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 3055

Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.6	125.4
160	52.9	41.2	61.8

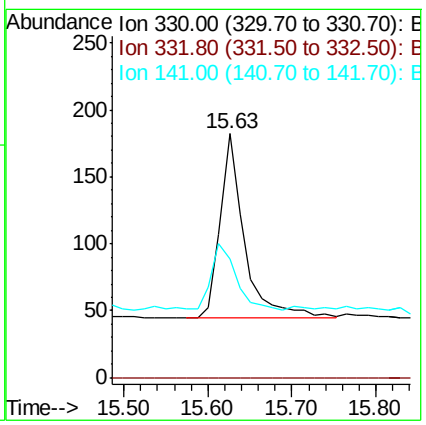


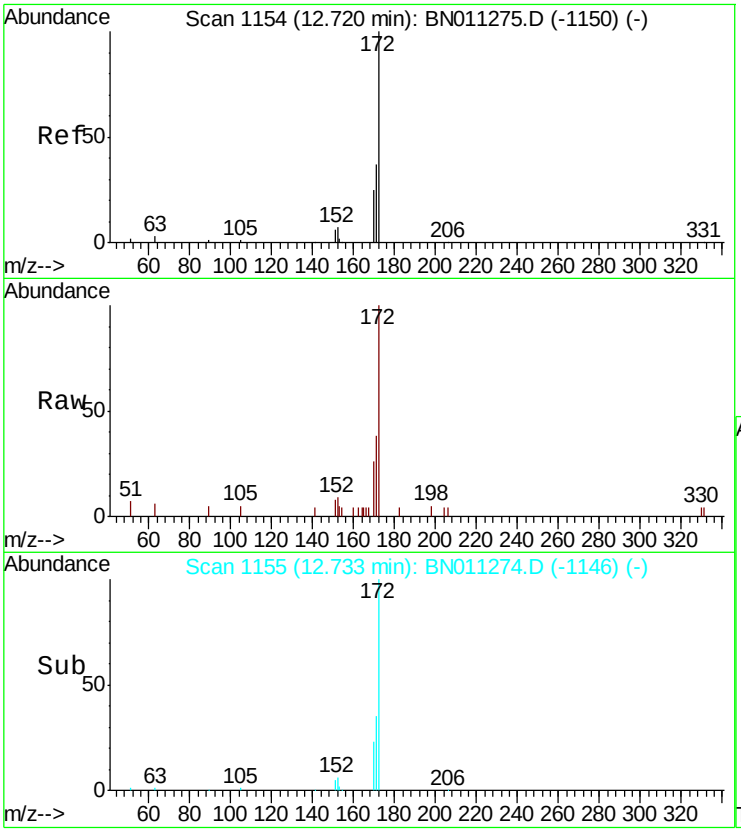


#14
2,4,6-Tribromophenol
Concen: 0.201 ng
RT: 15.63 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:330 Resp: 272

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.2	34.2	51.2



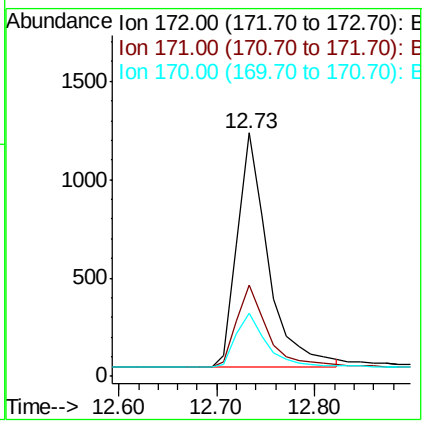


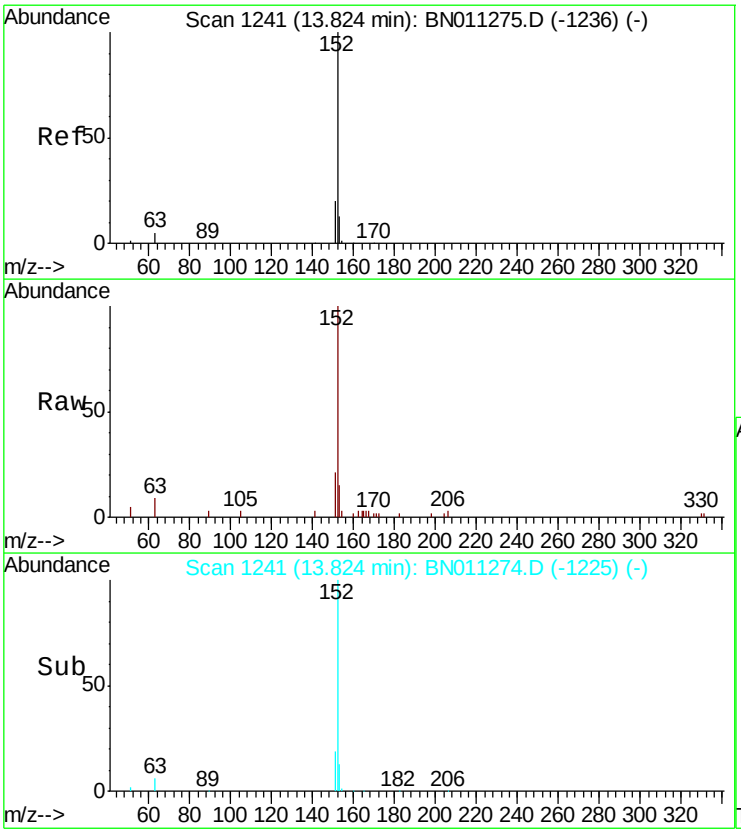
#15
2-Fluorobiphenyl
Concen: 0.183 ng
RT: 12.73 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 2613

Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.6	46.0
170	26.1	21.0	31.4

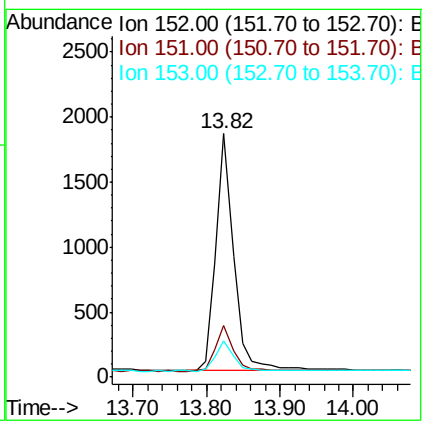


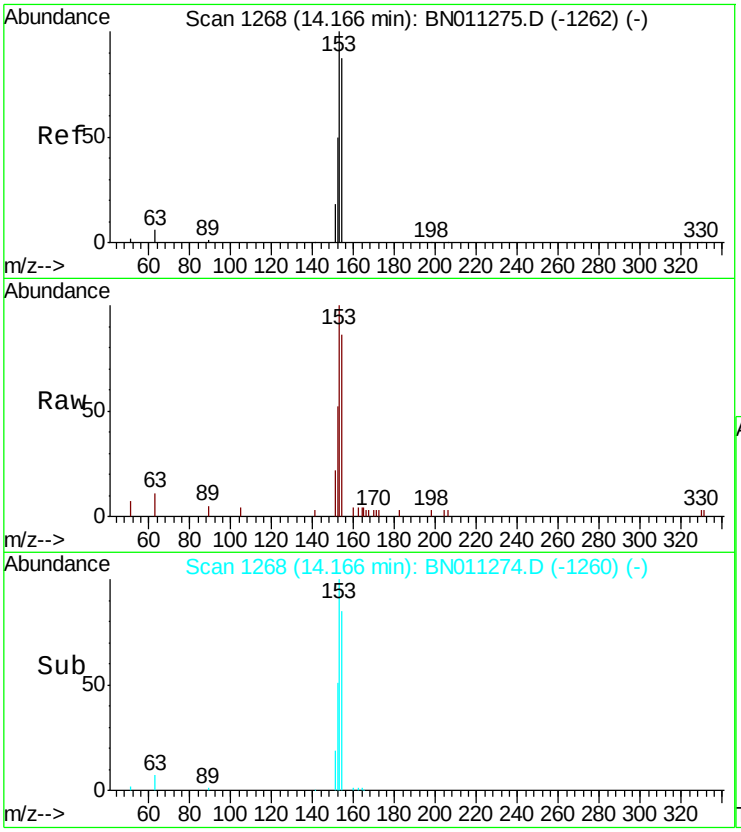


#16
Acenaphthylene
Concen: 0.198 ng
RT: 13.82 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:152 Resp: 3081

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.6	10.2	15.4



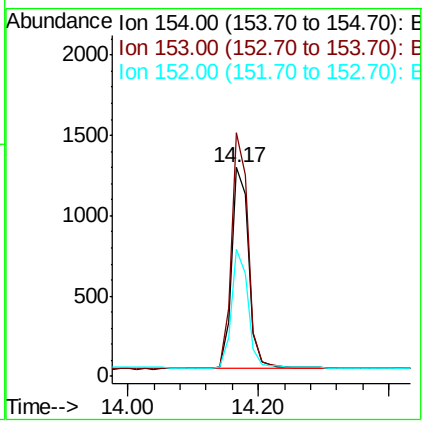


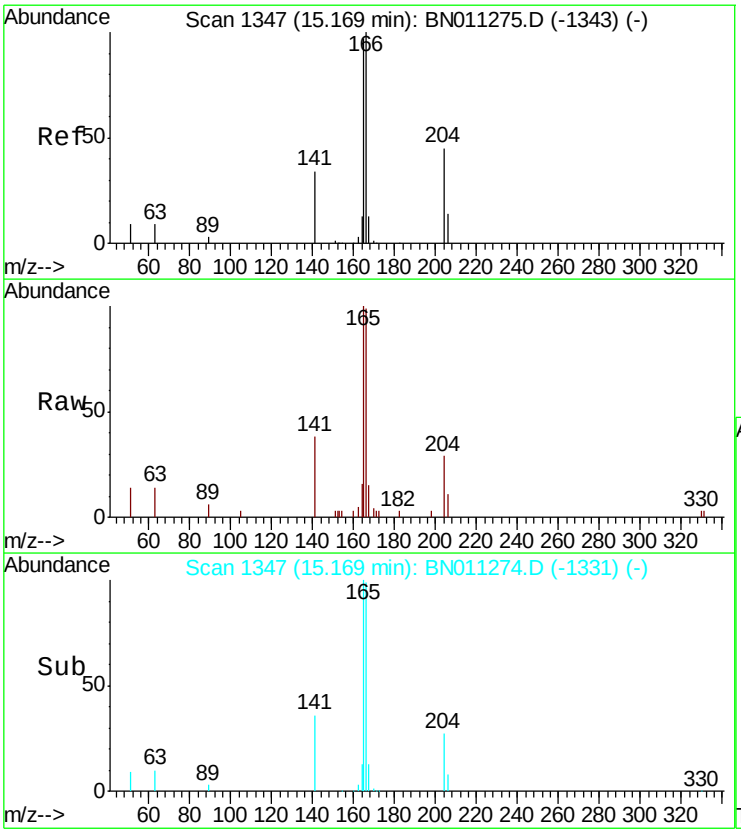
#17
Acenaphthene
Concen: 0.217 ng
RT: 14.17 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 2248

Ion	Ratio	Lower	Upper
154	100		
153	116.9	91.3	136.9
152	58.9	45.8	68.6

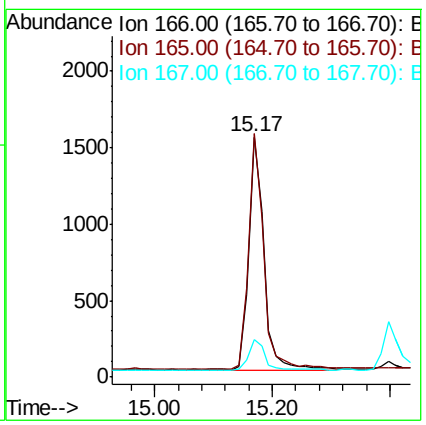


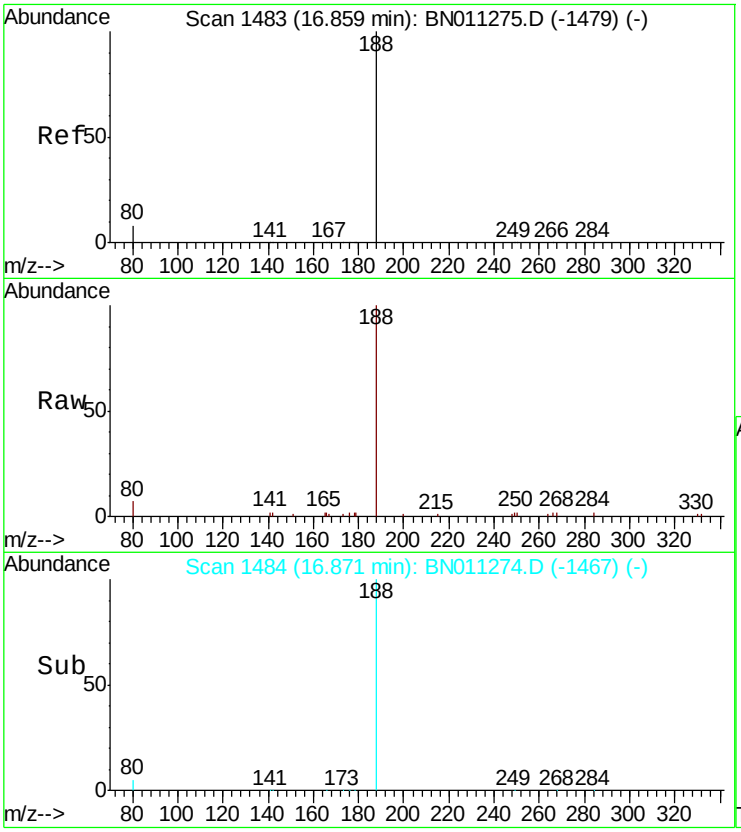


#18
Fluorene
Concen: 0.206 ng
RT: 15.17 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:166 Resp: 2737

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.6	119.4
167	13.9	10.8	16.2



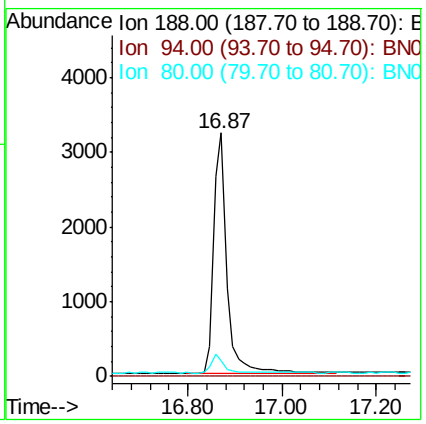


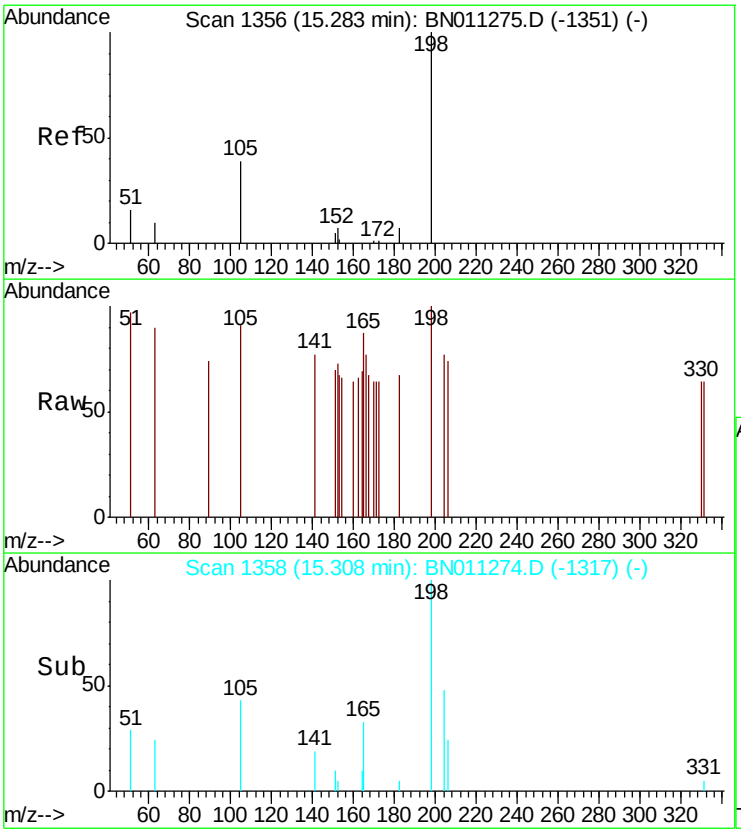
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.87 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 6190

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	7.4	11.0#

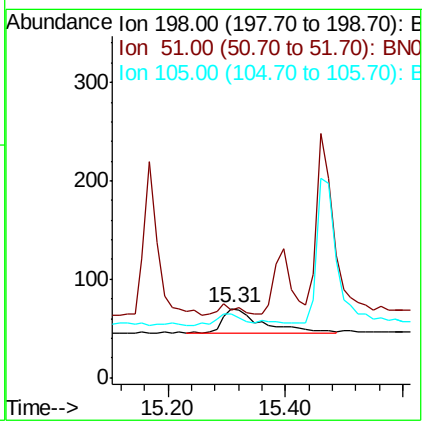


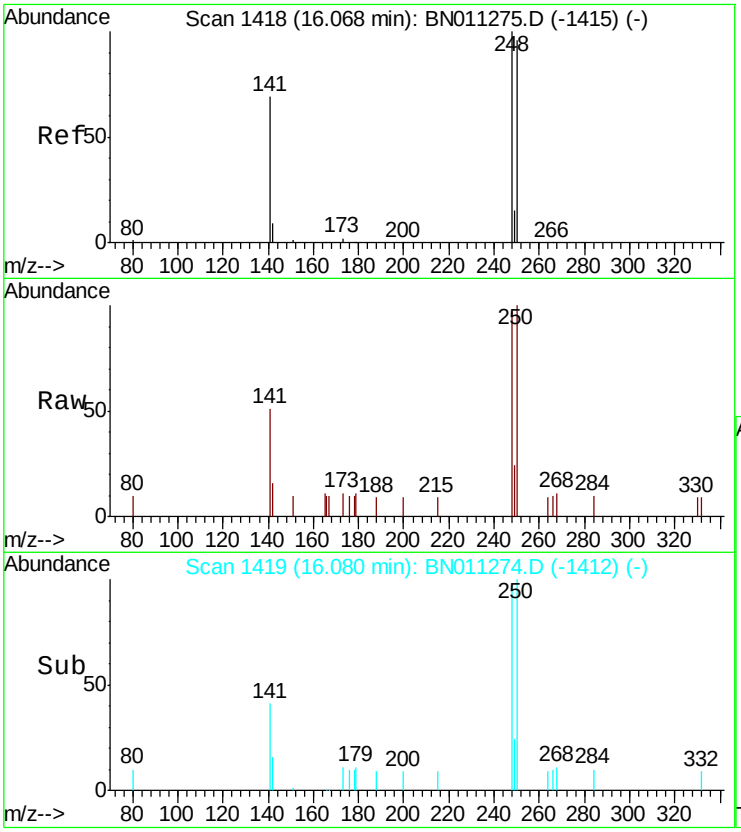


#20
4,6-Dinitro-2-methylphenol
Concen: 0.150 ng
RT: 15.31 min Scan# 1358
Delta R.T. 0.03 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:198 Resp: 122

Ion	Ratio	Lower	Upper
198	100		
51	97.1	49.0	73.6#
105	91.4	53.8	80.6#



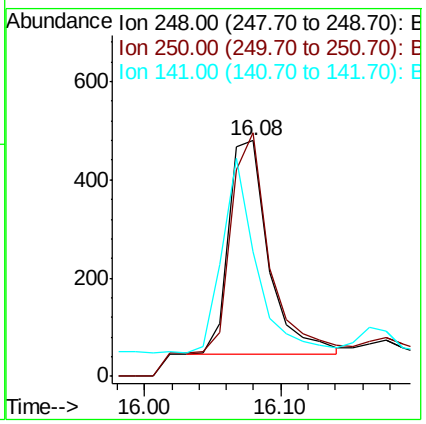


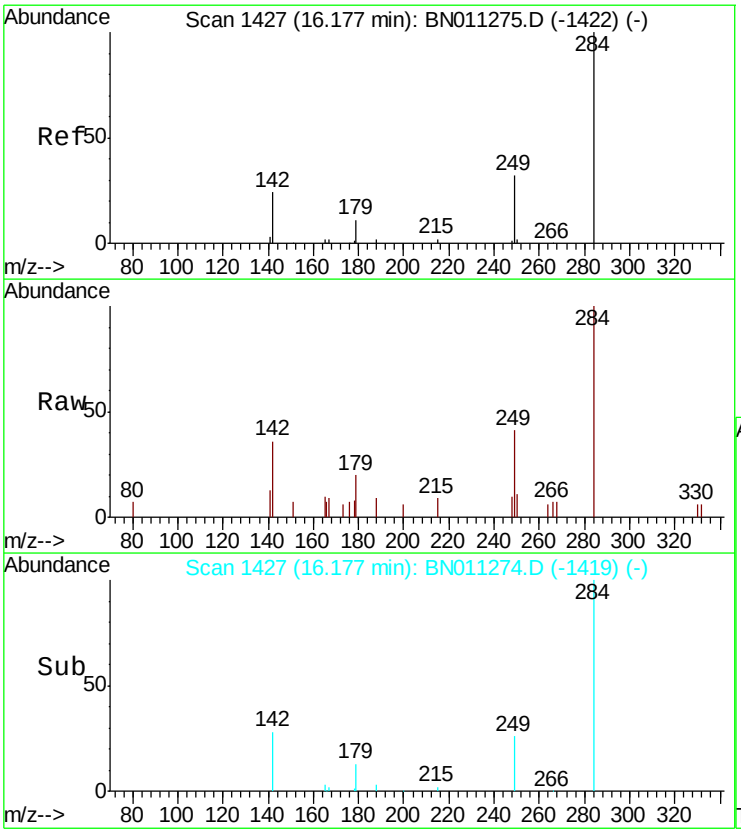
#21
4-Bromophenyl-phenylether
Concen: 0.212 ng
RT: 16.08 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 894

Ion	Ratio	Lower	Upper
248	100		
250	103.3	77.2	115.8
141	52.7	56.5	84.7#

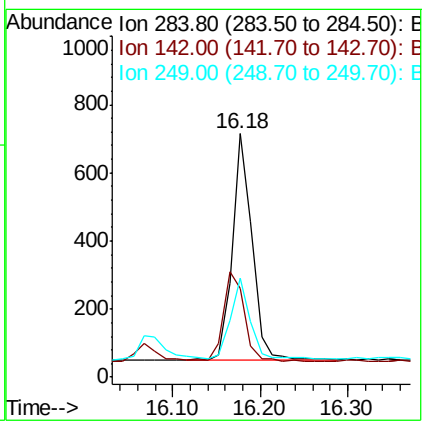


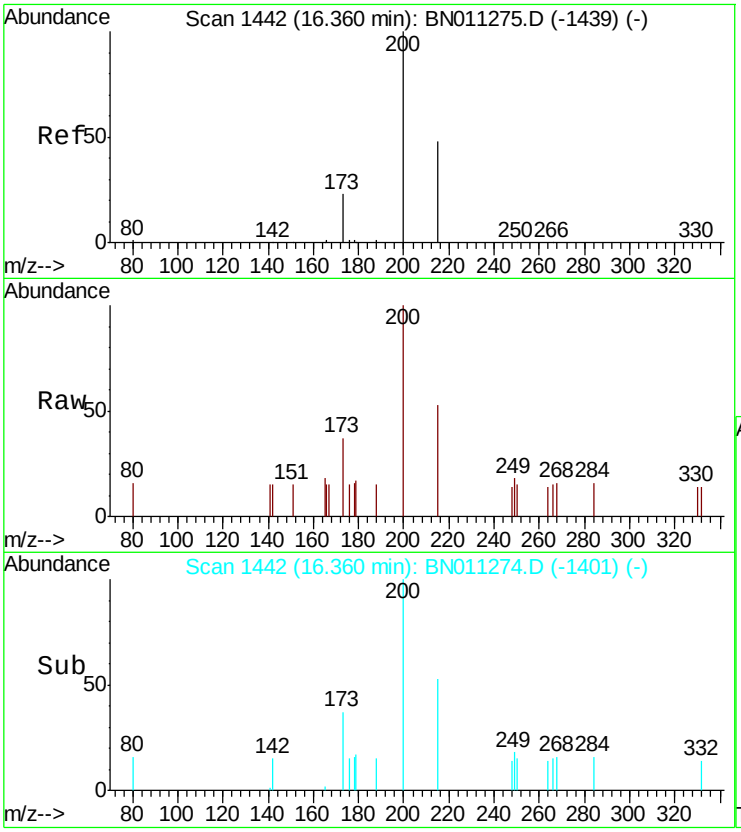


#22
Hexachlorobenzene
Concen: 0.211 ng
RT: 16.18 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:284 Resp: 1035

Ion	Ratio	Lower	Upper
284	100		
142	41.2	32.8	49.2
249	34.5	26.6	40.0



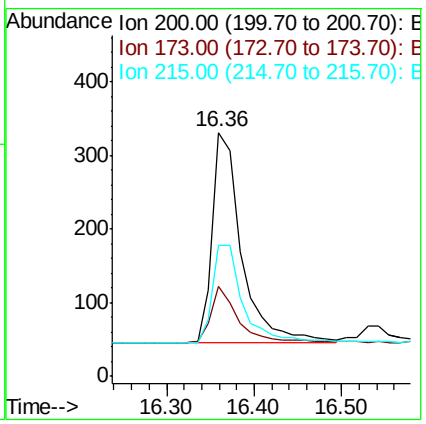


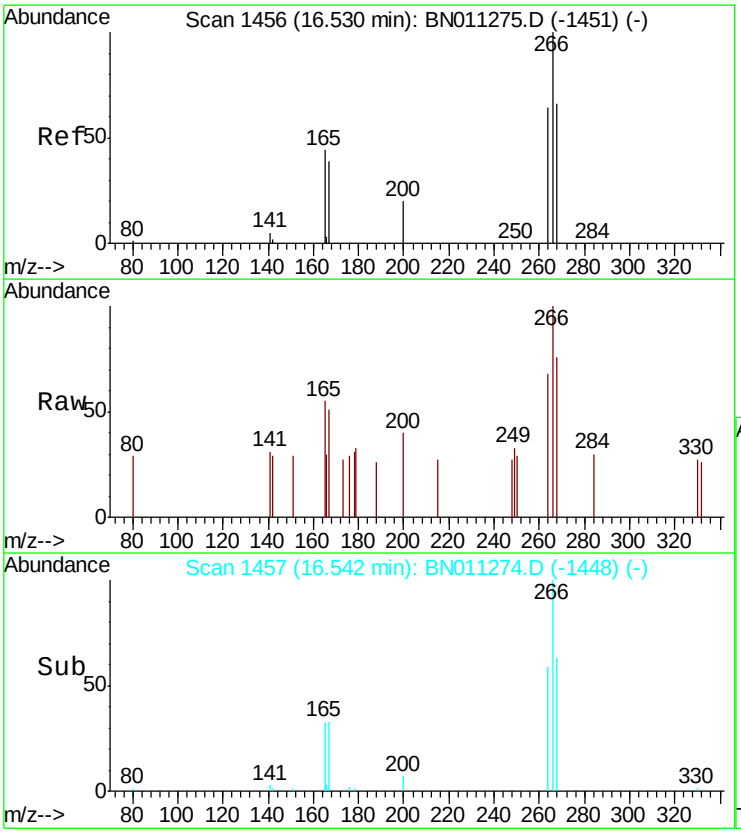
#23
Atrazine
Concen: 0.227 ng
RT: 16.36 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 670

Ion	Ratio	Lower	Upper
200	100		
173	37.2	22.0	33.0#
215	53.5	41.1	61.7

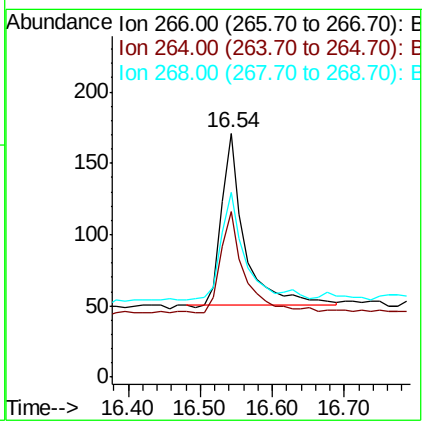


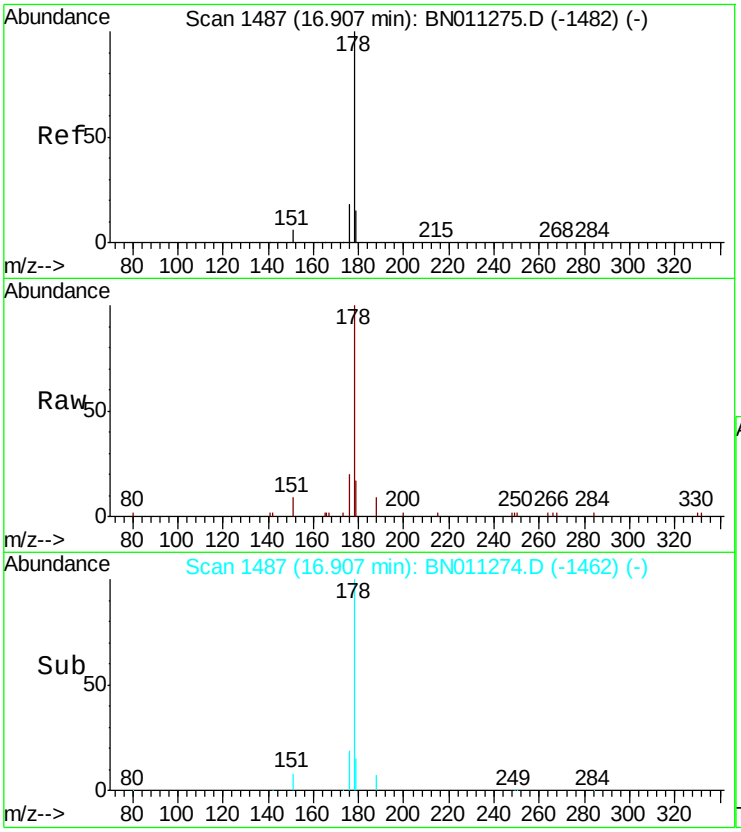


#24
Pentachlorophenol
Concen: 0.181 ng
RT: 16.54 min Scan# 1457
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:266 Resp: 263

Ion	Ratio	Lower	Upper
266	100		
264	64.6	51.1	76.7
268	68.8	55.5	83.3



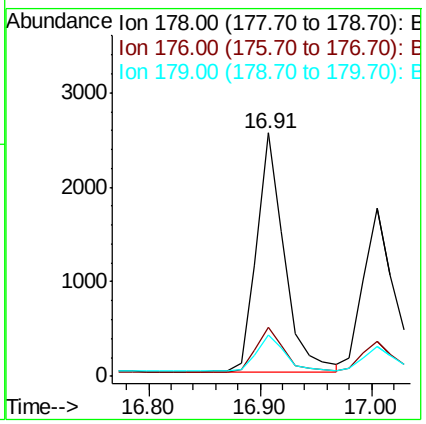


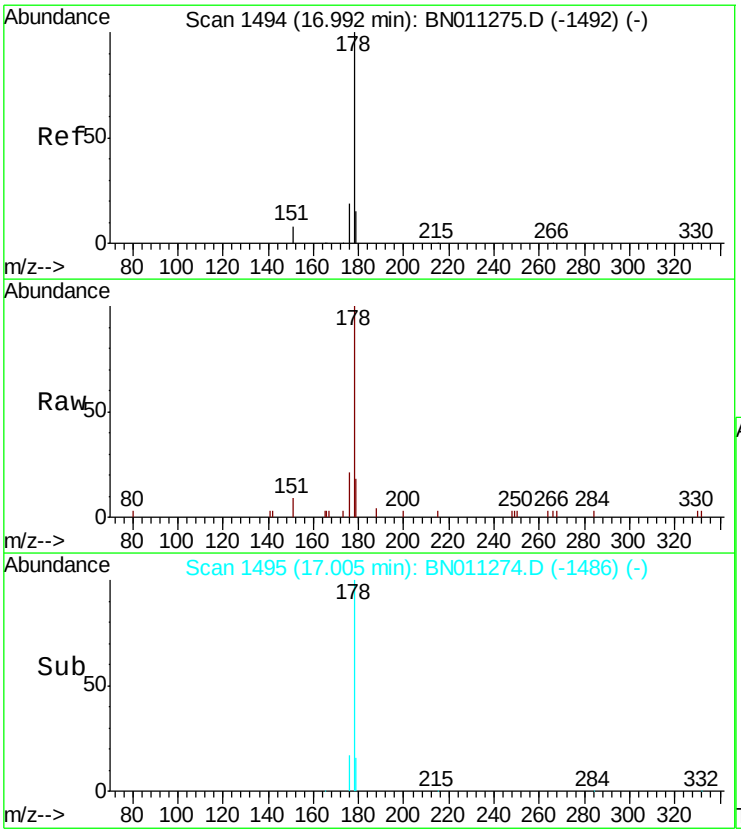
#25
Phenanthrene
Concen: 0.219 ng
RT: 16.91 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 4346

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.5	12.2	18.4

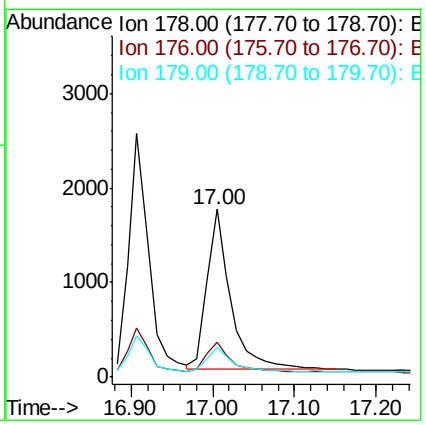


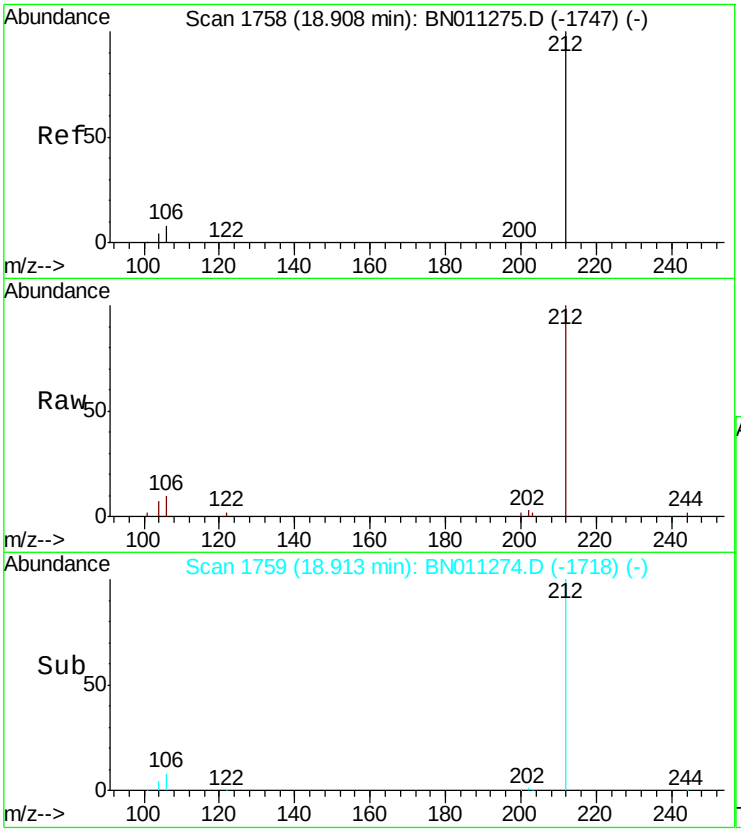


#26
Anthracene
Concen: 0.206 ng
RT: 17.00 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:178 Resp: 3397

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.3	12.1	18.1



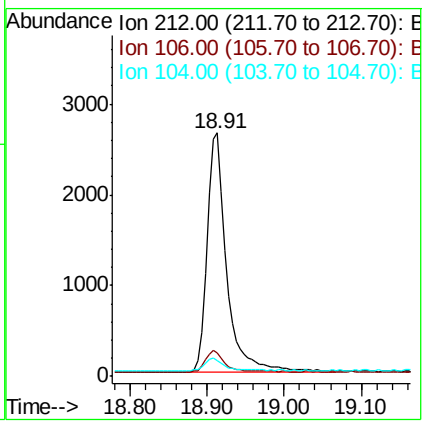


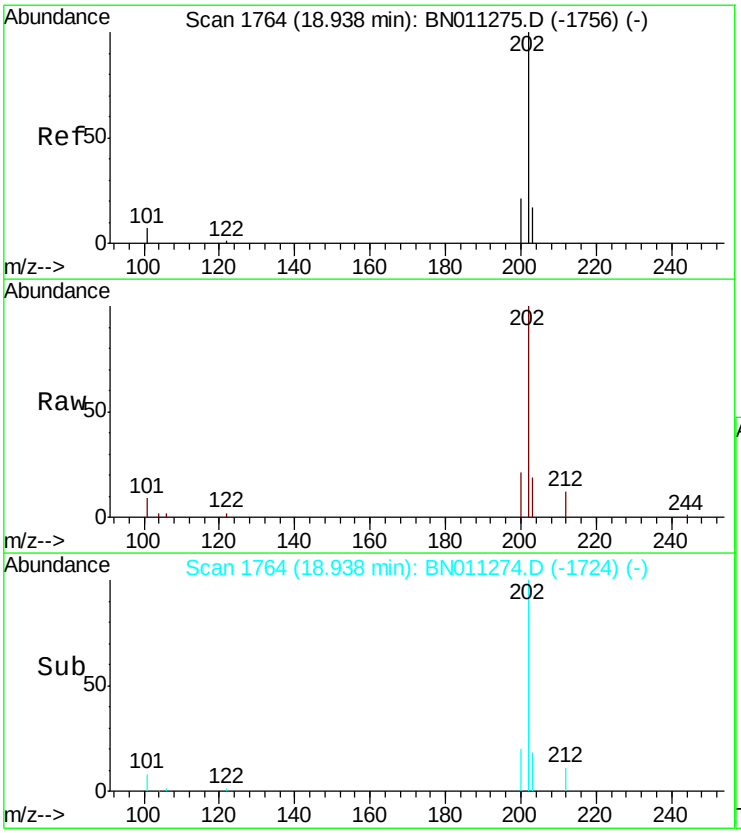
#27
Fluoranthene-d10
Concen: 0.238 ng
RT: 18.91 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 4642

Ion	Ratio	Lower	Upper
212	100		
106	8.7	6.9	10.3
104	5.0	4.2	6.2

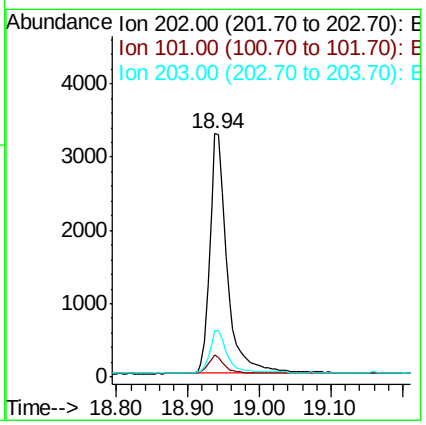


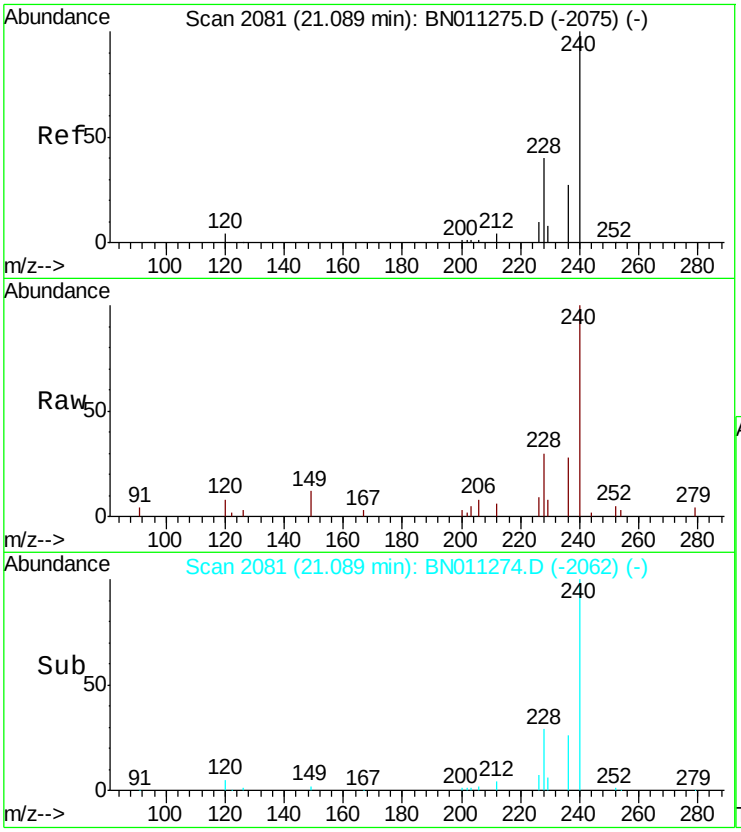


#28
Fluoranthene
Concen: 0.232 ng
RT: 18.94 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:202 Resp: 5541

Ion	Ratio	Lower	Upper
202	100		
101	7.5	5.9	8.9
203	17.7	13.7	20.5



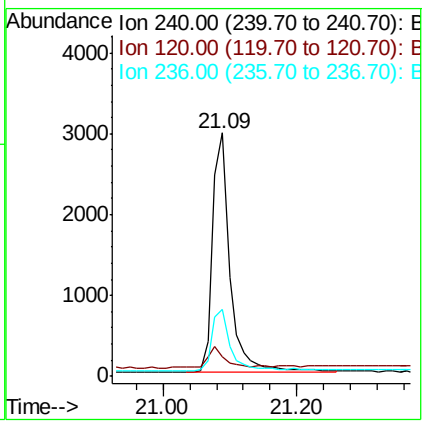


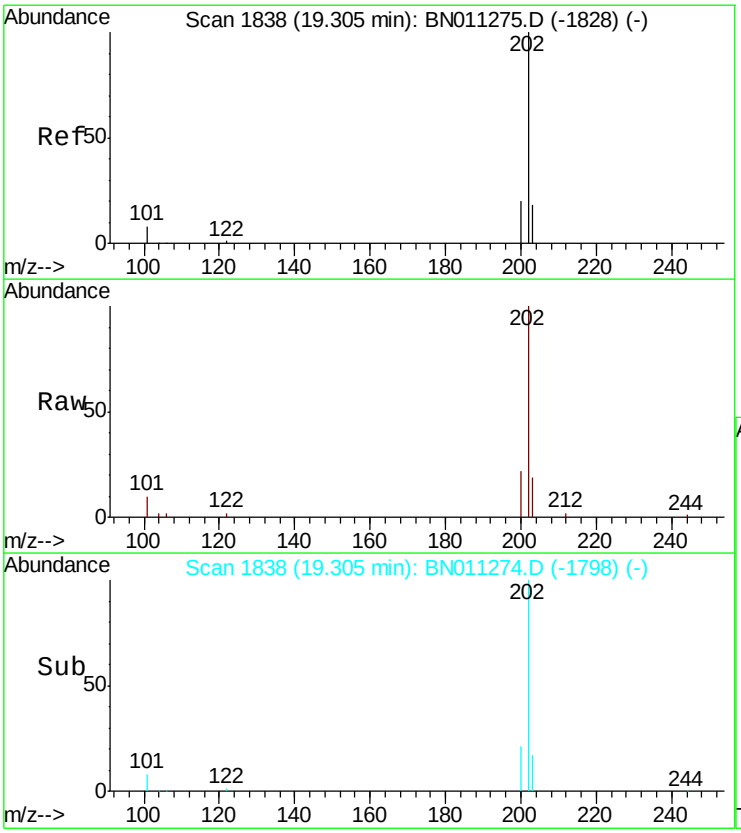
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.09 min Scan# 2081
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 5321

Ion	Ratio	Lower	Upper
240	100		
120	7.9	5.8	8.8
236	27.6	22.7	34.1

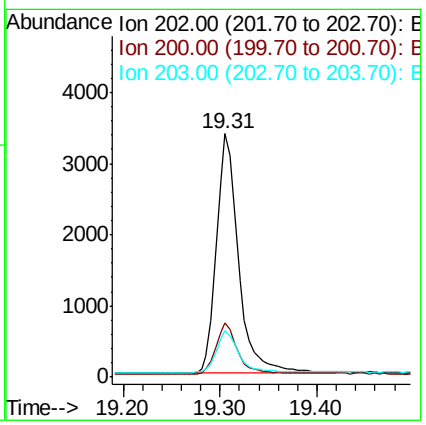


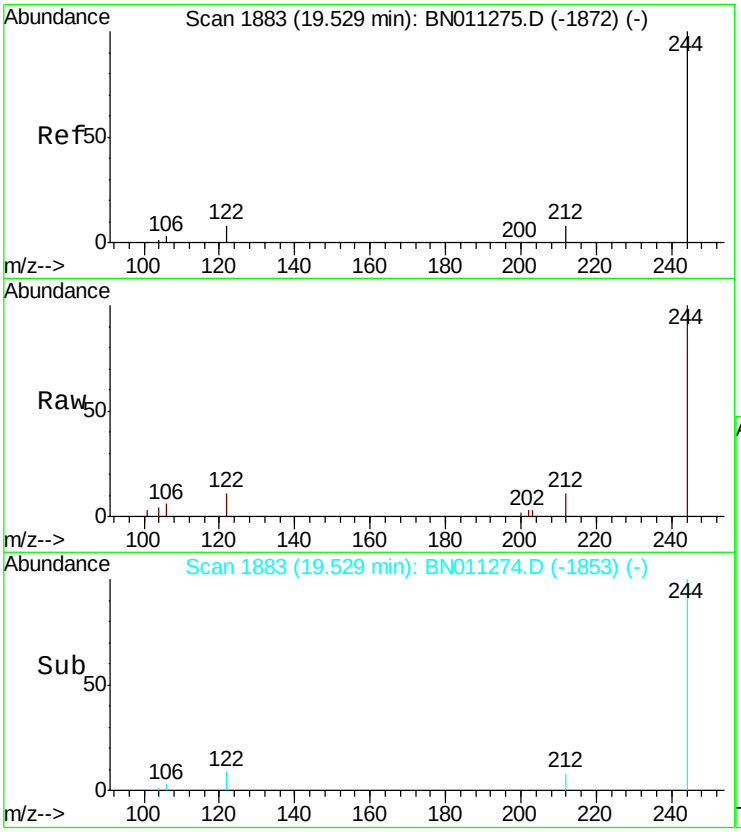


#30
Pyrene
Concen: 0.266 ng
RT: 19.31 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:202 Resp: 5395

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	17.4	14.1	21.1



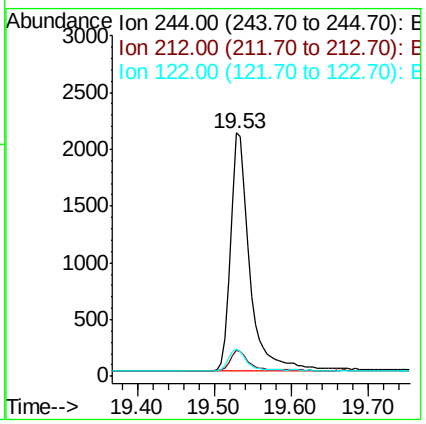


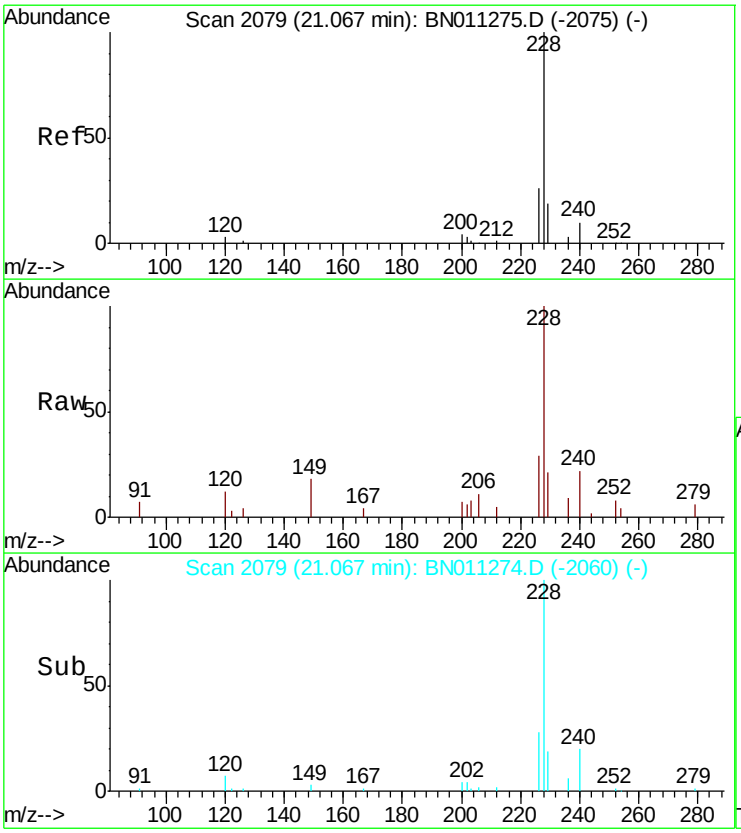
#31
Terphenyl-d14
Concen: 0.263 ng
RT: 19.53 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 3636

Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.6	11.4
122	11.1	7.5	11.3

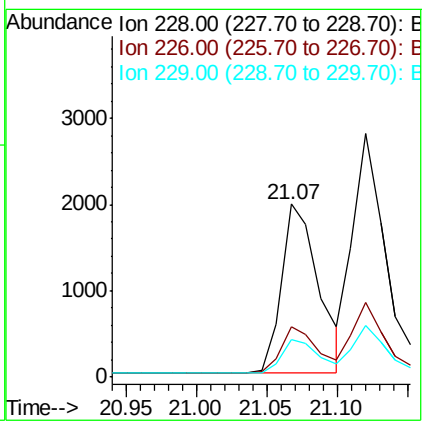


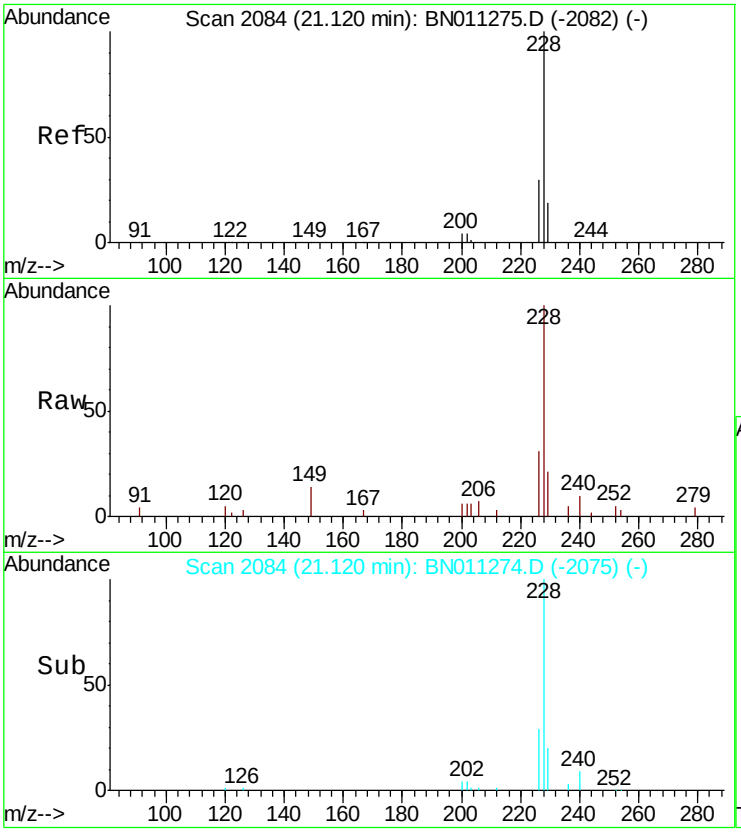


#32
Benzo(a)anthracene
Concen: 0.209 ng
RT: 21.07 min Scan# 2079
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:228 Resp: 3606

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.6	32.4
229	21.4	16.0	24.0



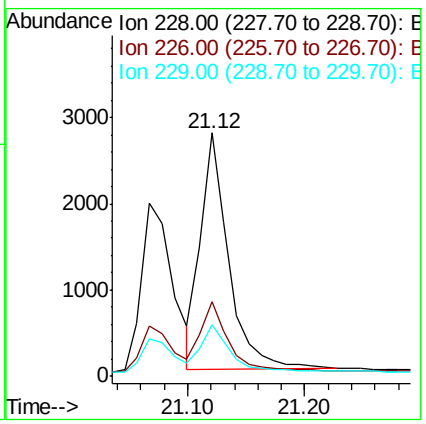


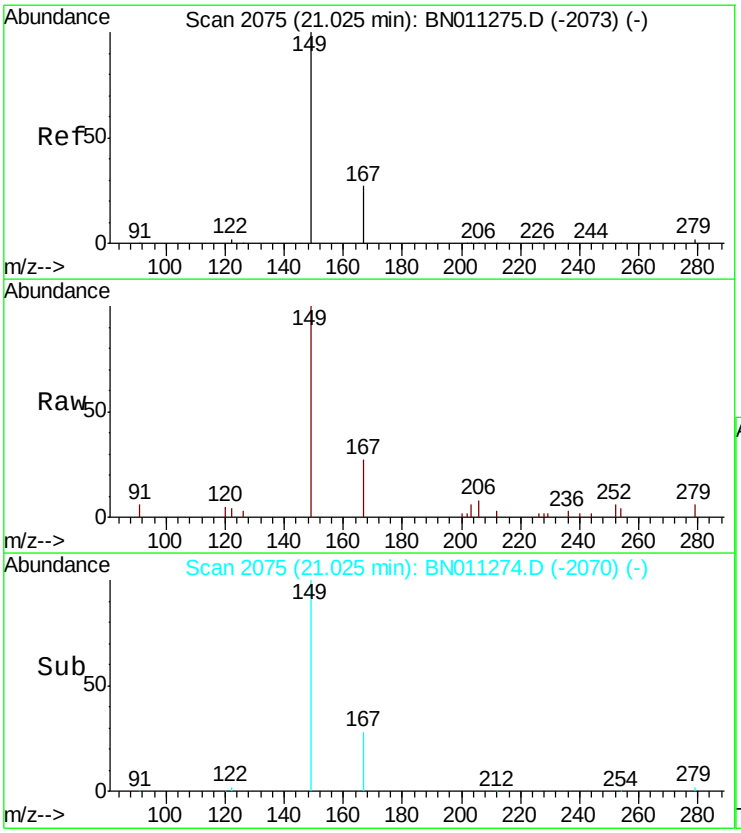
#33
Chrysene
Concen: 0.214 ng
RT: 21.12 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 4517

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	21.2	15.9	23.9

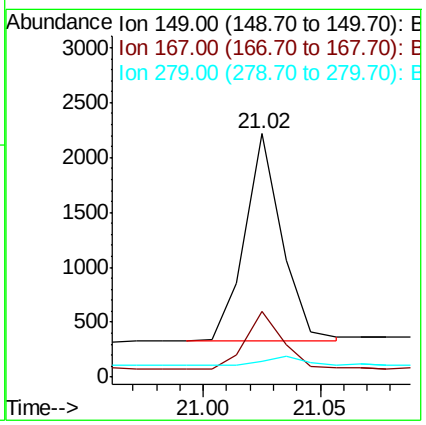


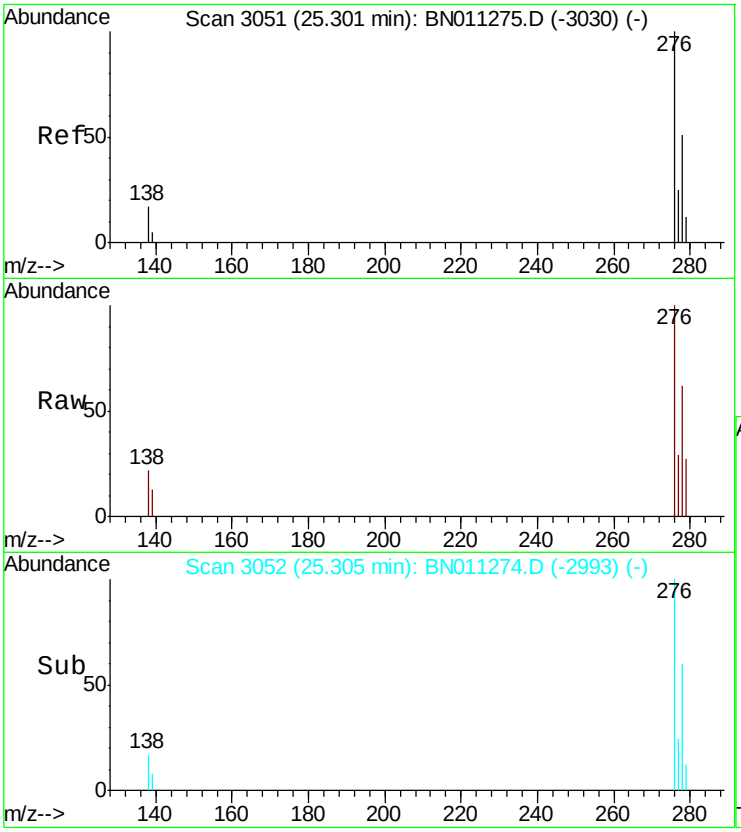


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.295 ng
RT: 21.02 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:149 Resp: 2098

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	5.1	3.9	5.9



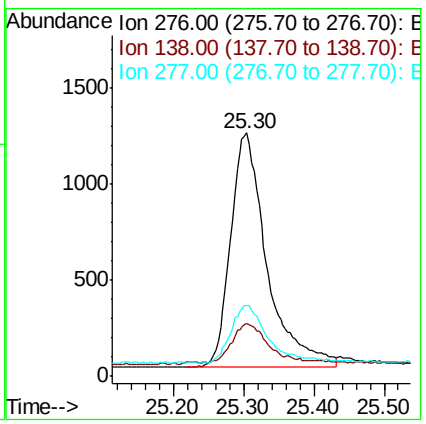


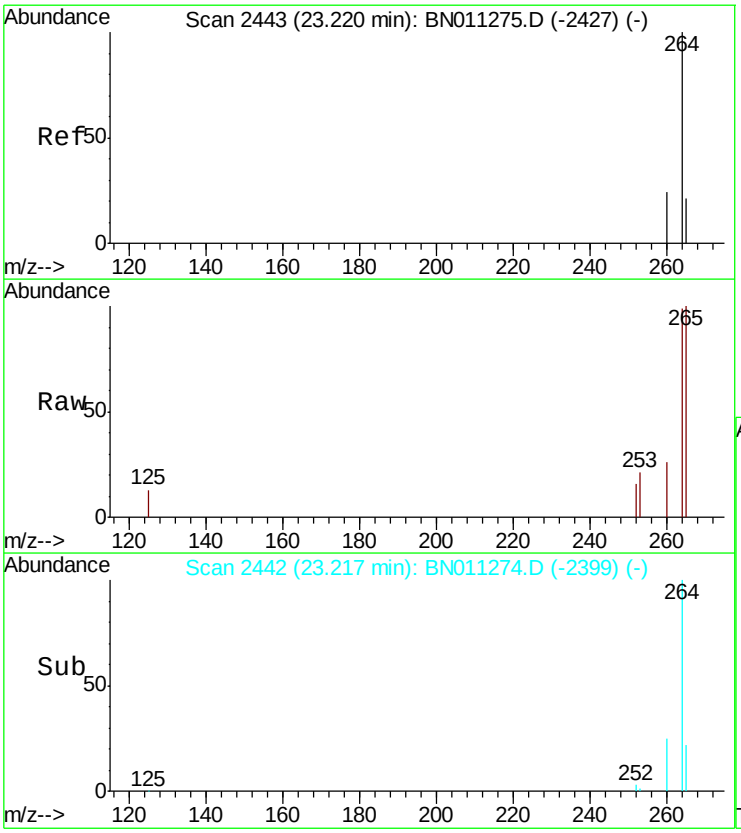
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.198 ng
RT: 25.30 min Scan# 3052
Delta R.T. 0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 4358

Ion	Ratio	Lower	Upper
276	100		
138	15.4	13.6	20.4
277	25.5	19.7	29.5

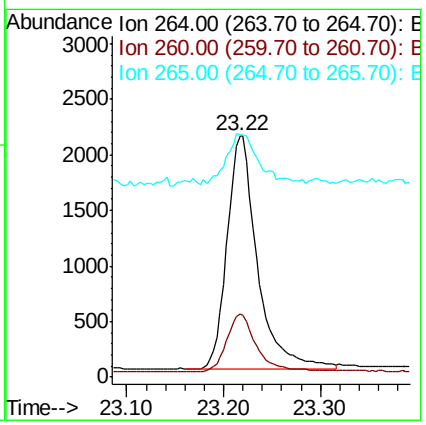


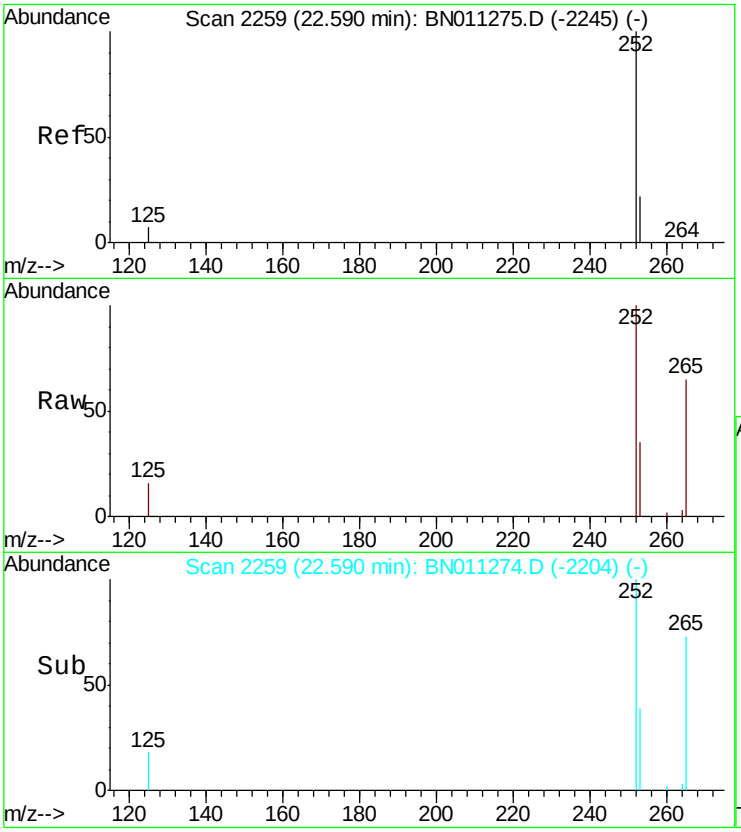


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:264 Resp: 4608

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.1	30.1
265	100.6	70.7	106.1



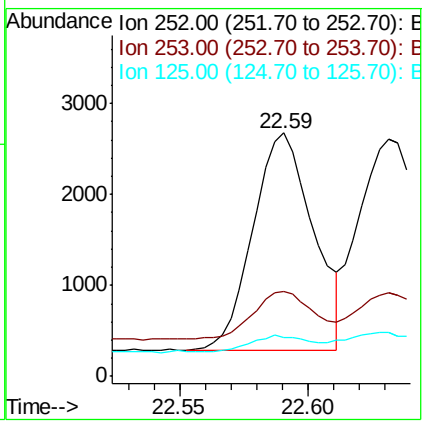


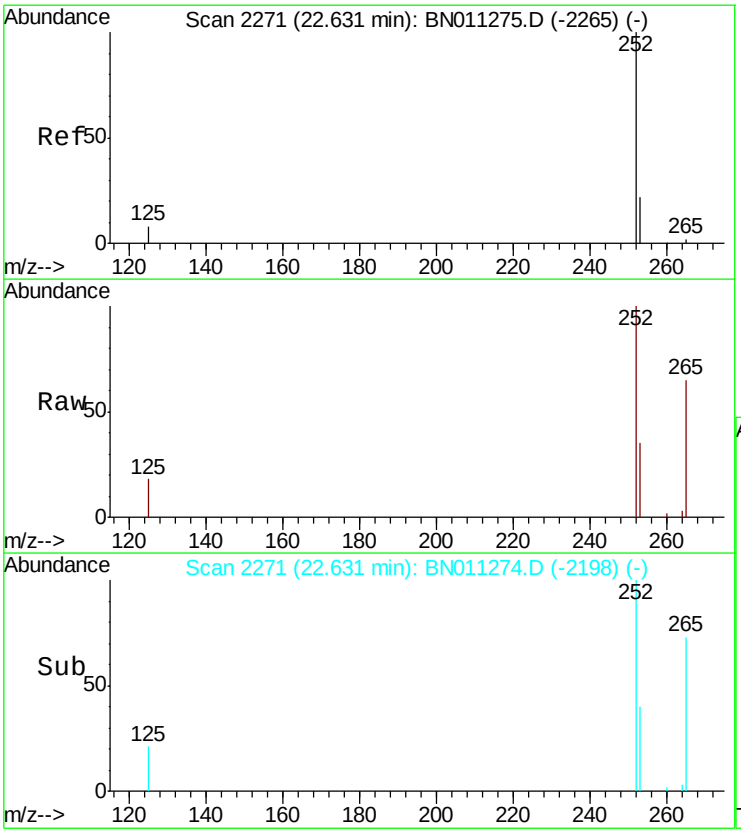
#37
Benzo(b)fluoranthene
Concen: 0.212 ng
RT: 22.59 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3919

Ion	Ratio	Lower	Upper
252	100		
253	34.7	23.1	34.7
125	16.2	9.4	14.2#

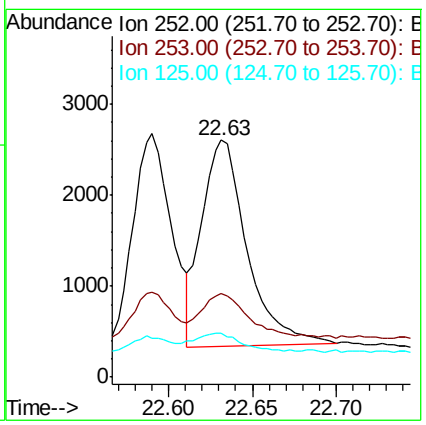


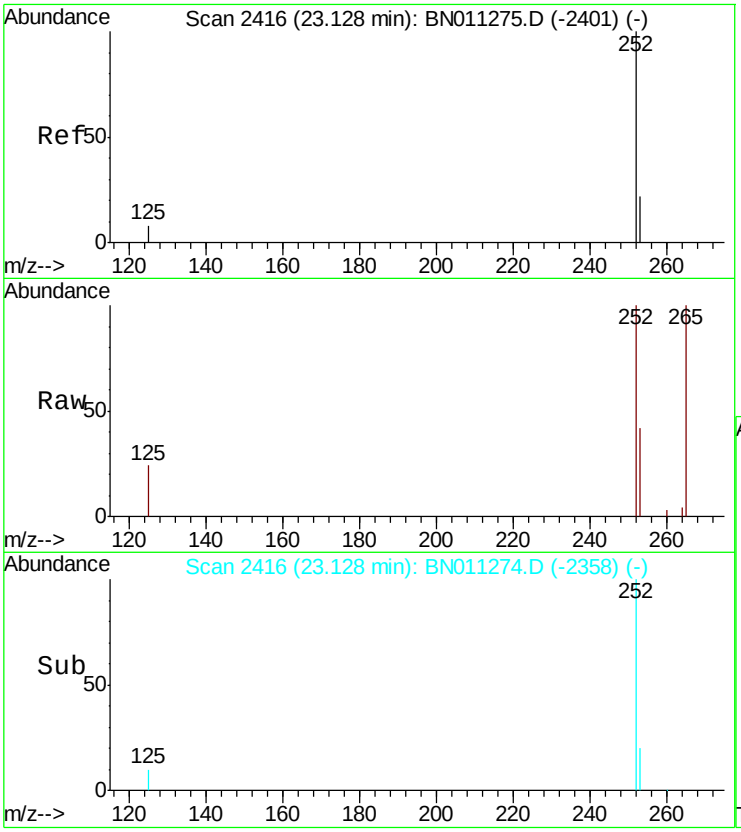


#38
Benzo(k)fluoranthene
Concen: 0.204 ng
RT: 22.63 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:252 Resp: 4257

Ion	Ratio	Lower	Upper
252	100		
253	35.4	22.9	34.3#
125	18.4	11.3	16.9#



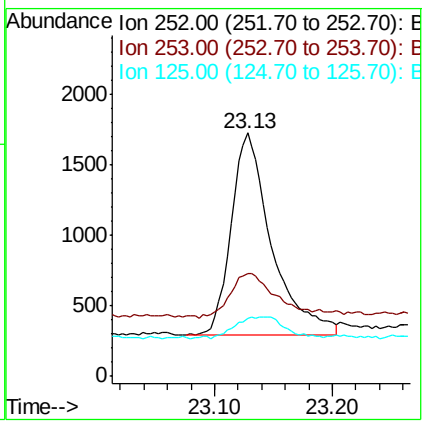


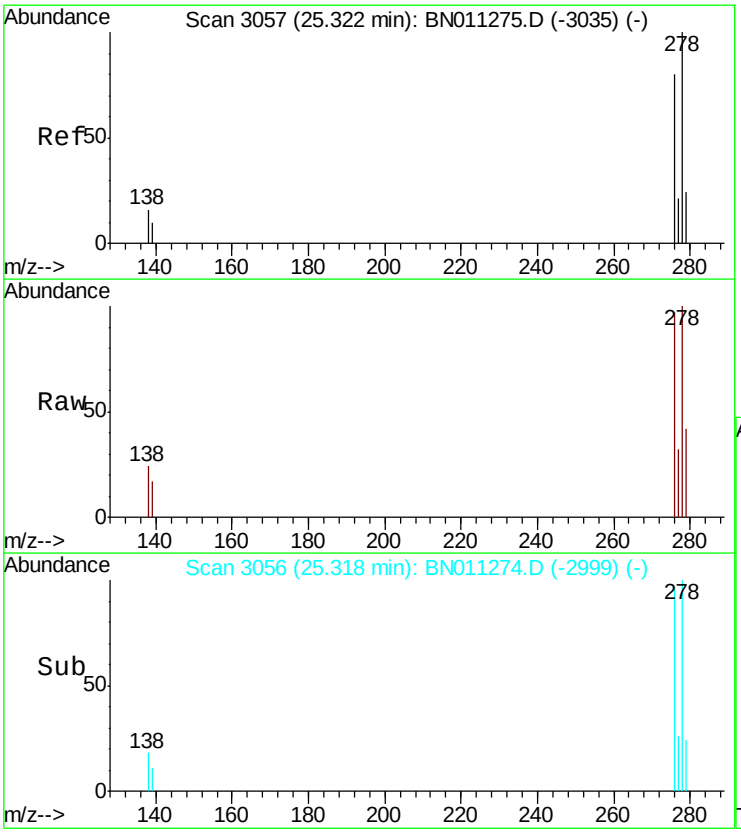
#39
Benzo(a)pyrene
Concen: 0.205 ng
RT: 23.13 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3410

Ion	Ratio	Lower	Upper
252	100		
253	42.3	26.6	39.8#
125	23.7	12.7	19.1#

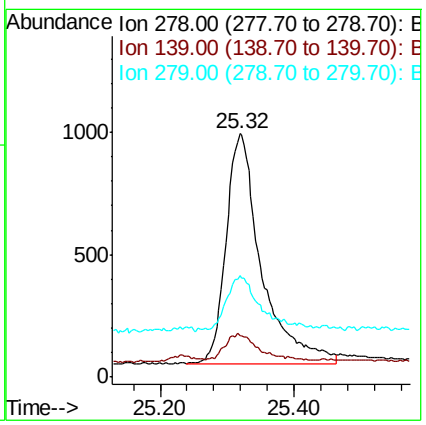


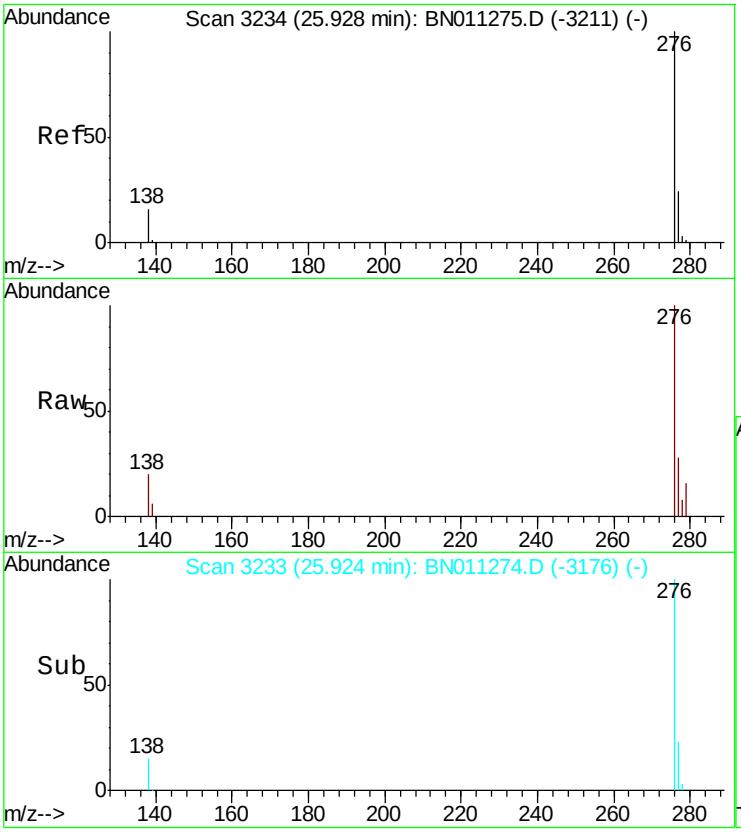


#40
Dibenzo(a,h)anthracene
Concen: 0.195 ng
RT: 25.32 min Scan# 3056
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Tgt Ion:278 Resp: 3440

Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.4	18.6
279	41.6	25.8	38.6#





#41
Benzo(g,h,i)perylene
Concen: 0.206 ng
RT: 25.92 min Scan# 3233
Delta R.T. -0.00 min
Lab File: BN011274.D
Acq: 28 Jul 2020 10:58

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 3997

Ion	Ratio	Lower	Upper
276	100		
277	27.8	21.0	31.6
138	20.2	15.0	22.6