Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081920\
Data File : BN011512.D
Acq On : 19 Aug 2020 12:12
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC0.2

Quant Time: Aug 19 13:27:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 19 13:20:06 2020
Response via : Initial Calibration

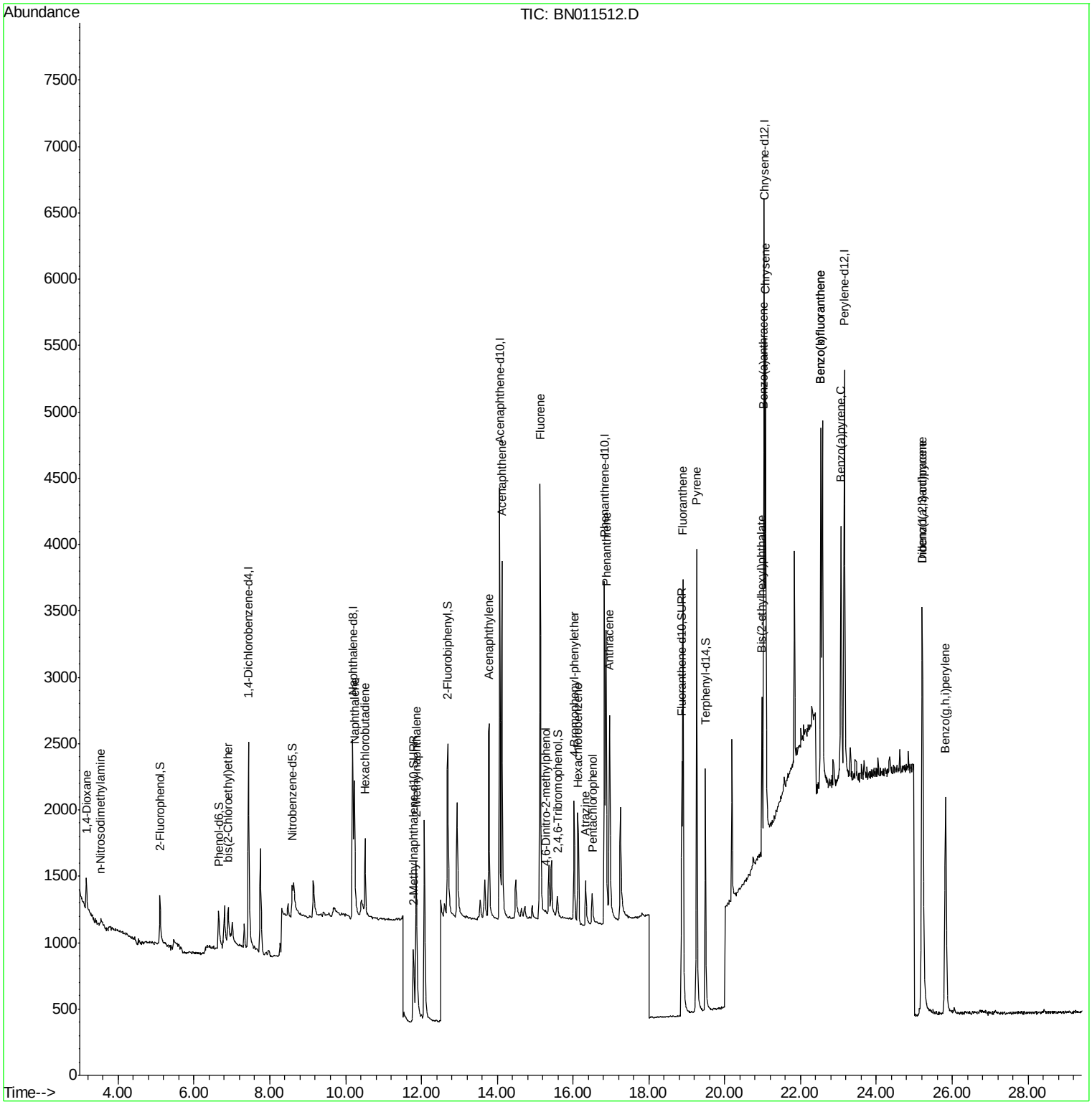
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	956	0.40	ng		0.00
7) Naphthalene-d8	10.19	136	2741	0.40	ng		0.01
13) Acenaphthene-d10	14.06	164	2014	0.40	ng		0.00
19) Phenanthrene-d10	16.82	188	4202	0.40	ng		0.00
29) Chrysene-d12	21.05	240	4334	0.40	ng		0.00
36) Perylene-d12	23.16	264	4060	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.11	112	455	0.18	ng		0.00
5) Phenol-d6	6.65	99	498	0.16	ng		0.00
8) Nitrobenzene-d5	8.59	82	430	0.18	ng		0.00
11) 2-Methylnaphthalene-d10	11.79	152	1230	0.25	ng		0.00
14) 2,4,6-Tribromophenol	15.59	330	191	0.21	ng		0.01
15) 2-Fluorobiphenyl	12.69	172	1896	0.22	ng		0.01
27) Fluoranthene-d10	18.87	212	2853	0.22	ng		0.00
31) Terphenyl-d14	19.49	244	2366	0.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.16	88	279	0.207	ng		90
3) n-Nitrosodimethylamine	3.55	42	57	0.083	ng	#	89
6) bis(2-Chloroethyl)ether	6.90	93	496	0.195	ng		87
9) Naphthalene	10.24	128	1737	0.214	ng	#	93
10) Hexachlorobutadiene	10.52	225	479	0.243	ng	#	97
12) 2-Methylnaphthalene	11.86	142	1442	0.250	ng		97
16) Acenaphthylene	13.79	152	2188	0.211	ng		98
17) Acenaphthene	14.13	154	1481	0.219	ng		100
18) Fluorene	15.13	166	1880	0.217	ng		98
20) 4,6-Dinitro-2-methylphenol	15.27	198	88	0.151	ng		84
21) 4-Bromophenyl-phenylether	16.03	248	889	0.319	ng	#	89
22) Hexachlorobenzene	16.14	284	728	0.230	ng		98
23) Atrazine	16.32	200	521	0.240	ng	#	89
24) Pentachlorophenol	16.51	266	188	0.192	ng		99
25) Phenanthrene	16.87	178	2916	0.213	ng		100
26) Anthracene	16.96	178	2426	0.213	ng		99
28) Fluoranthene	18.90	202	3515	0.226	ng		99
30) Pyrene	19.26	202	3659	0.187	ng		99
32) Benzo(a)anthracene	21.02	228	2941	0.202	ng		98
33) Chrysene	21.08	228	3474	0.213	ng		99
34) Bis(2-ethylhexyl)phthalate	20.98	149	1155	0.148	ng		98
35) Indeno(1,2,3-cd)pyrene	25.21	276	4183	0.263	ng		98
37) Benzo(b)fluoranthene	22.54	252	3511	0.217	ng	#	91
38) Benzo(k)fluoranthene	22.54	252	3511	0.197	ng		92
39) Benzo(a)pyrene	23.07	252	3029	0.216	ng	#	88
40) Dibenzo(a,h)anthracene	25.22	278	3348	0.230	ng	#	89
41) Benzo(g,h,i)perylene	25.82	276	3537	0.219	ng		96

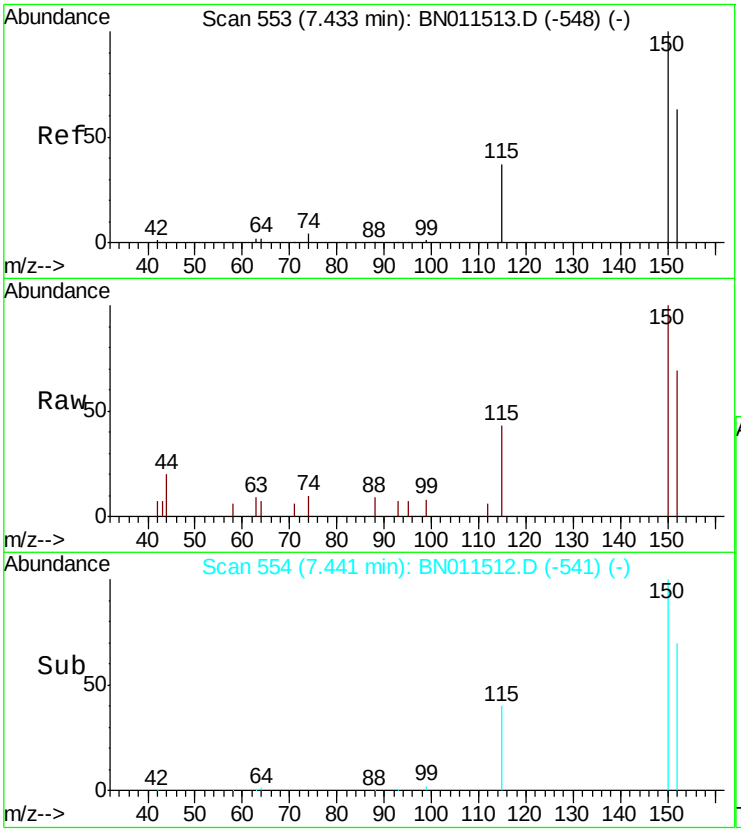
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081920\
Data File : BN011512.D
Acq On : 19 Aug 2020 12:12
Operator : CG/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Aug 19 13:27:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 19 13:20:06 2020
Response via : Initial Calibration



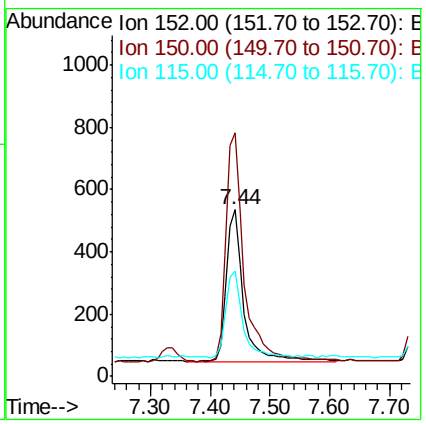


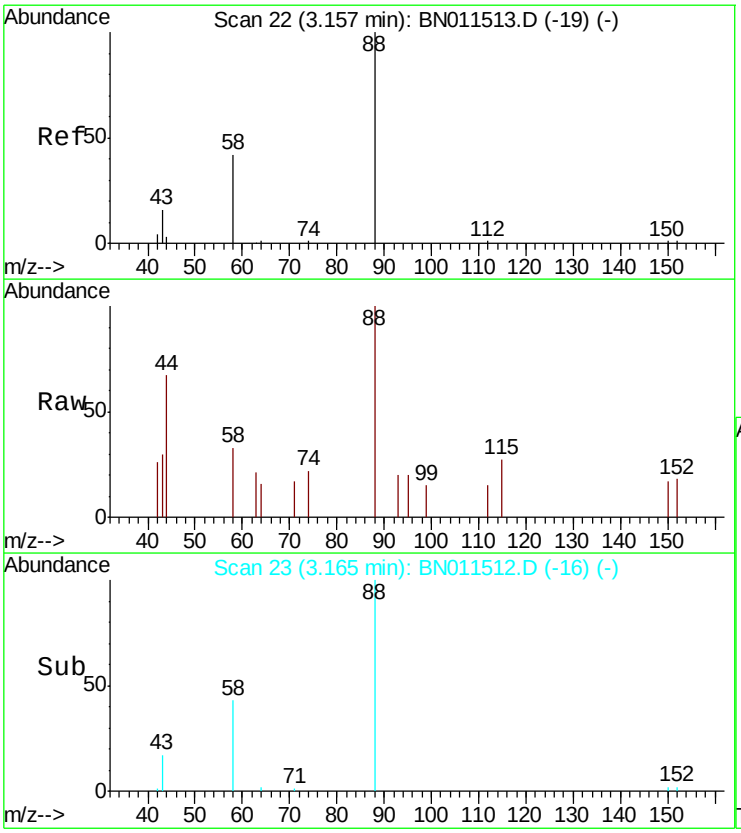
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.44 min Scan# 554
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 956

Ion	Ratio	Lower	Upper
152	100		
150	145.9	121.6	182.4
115	63.1	51.9	77.9

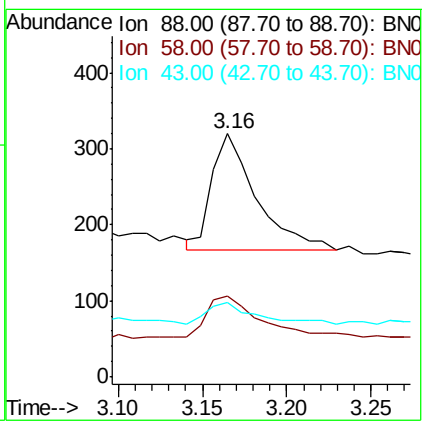


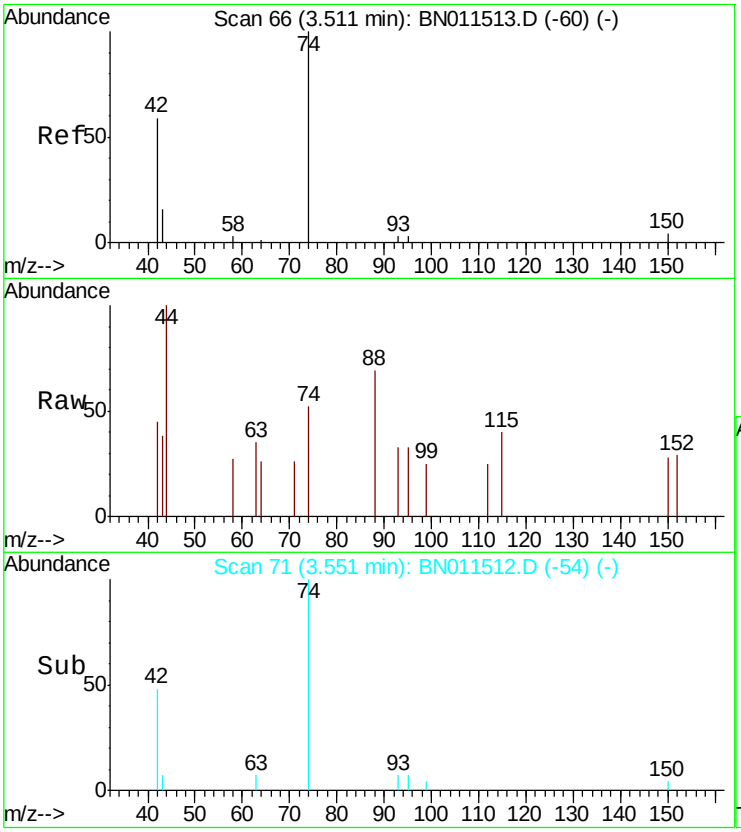


#2
1,4-Dioxane
Concen: 0.207 ng
RT: 3.16 min Scan# 23
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion: 88 Resp: 279

Ion	Ratio	Lower	Upper
88	100		
58	39.8	38.6	57.8
43	20.8	15.8	23.6



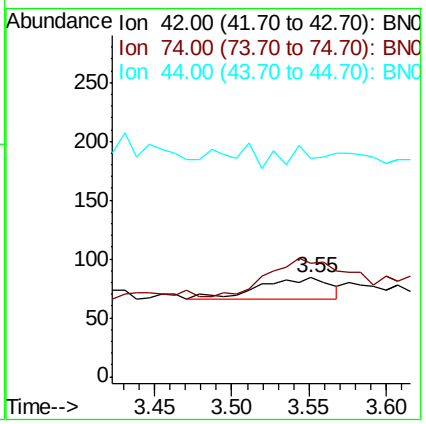


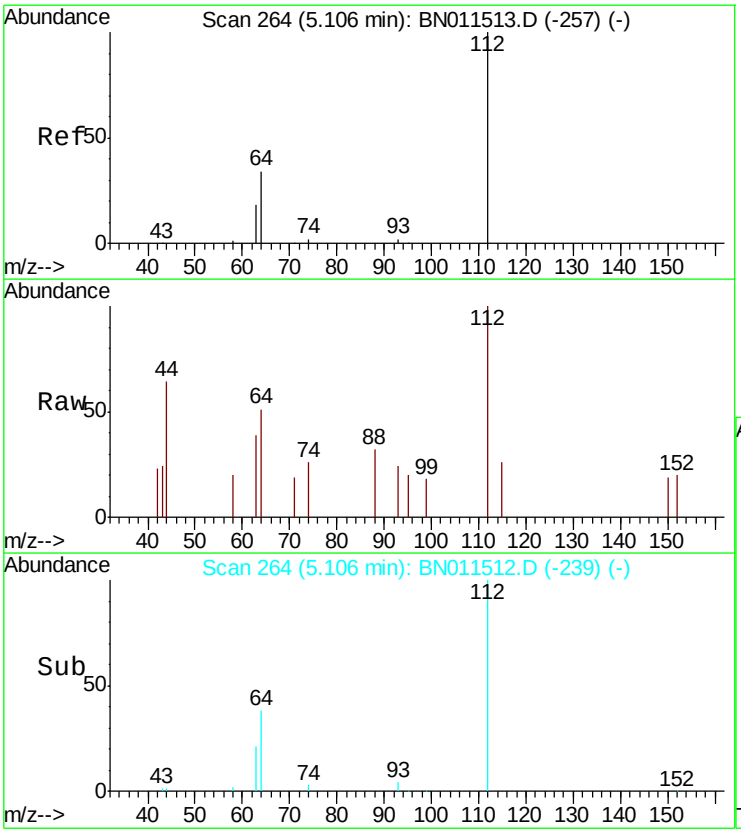
#3
n-Nitrosodimethylamine
Concen: 0.083 ng
RT: 3.55 min Scan# 71
Delta R.T. 0.04 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 57

Ion	Ratio	Lower	Upper
42	100		
74	203.5	150.4	225.6
44	24.6	0.0	0.0#

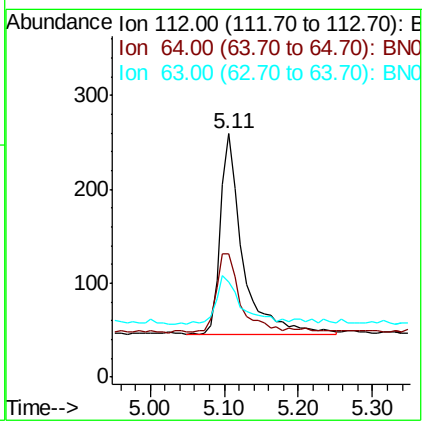


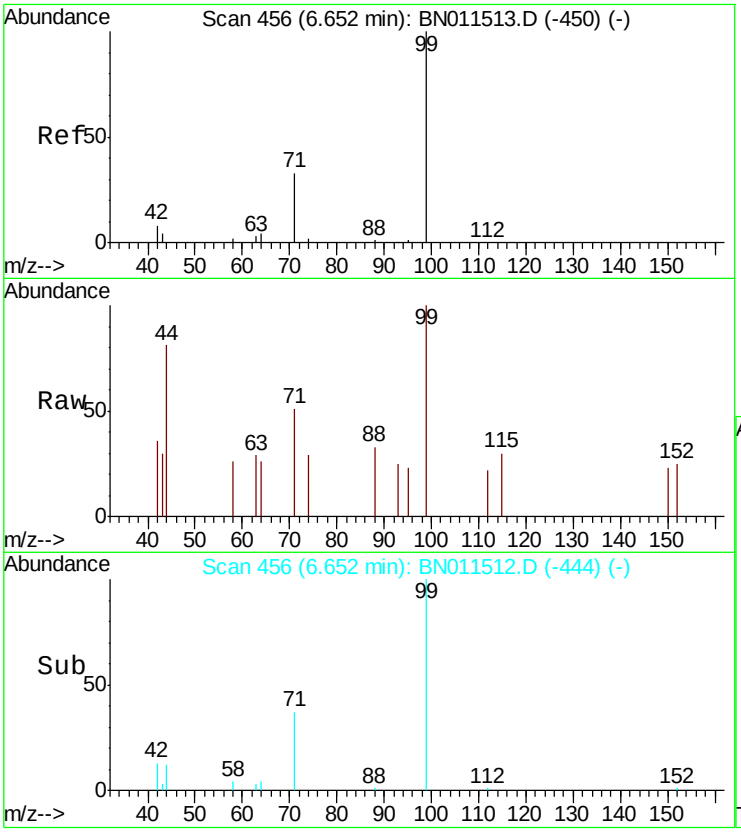


#4
2-Fluorophenol
Concen: 0.181 ng
RT: 5.11 min Scan# 264
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:112 Resp: 455

Ion	Ratio	Lower	Upper
112	100		
64	40.2	33.8	50.6
63	27.5	19.5	29.3



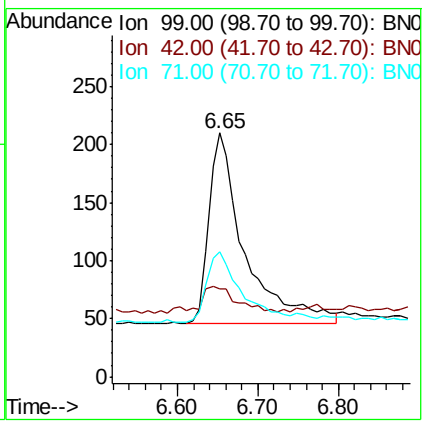


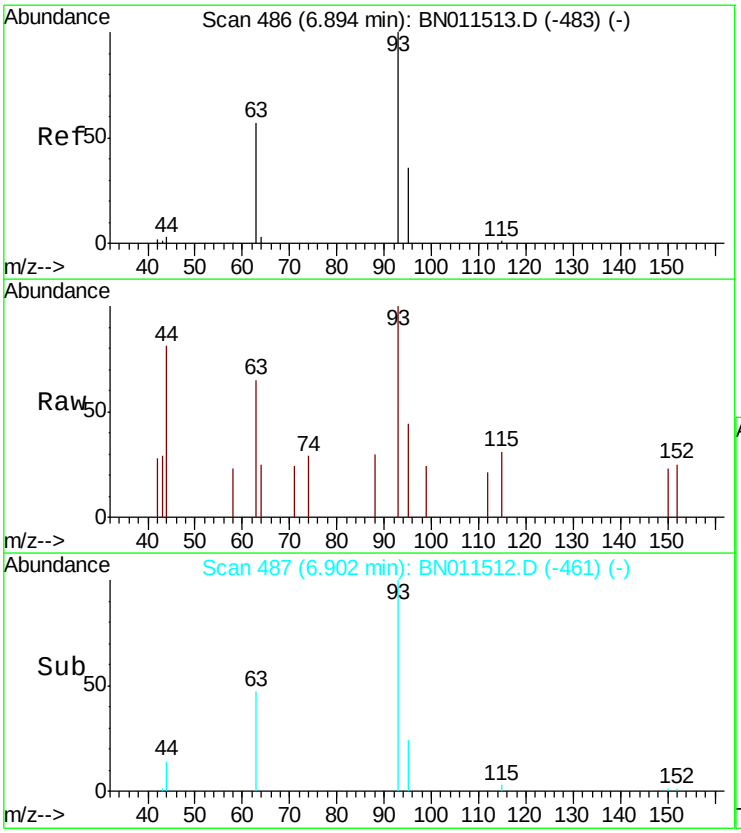
#5
Phenol-d6
Concen: 0.163 ng
RT: 6.65 min Scan# 456
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 498

Ion	Ratio	Lower	Upper
99	100		
42	11.8	10.0	15.0
71	35.9	31.0	46.4

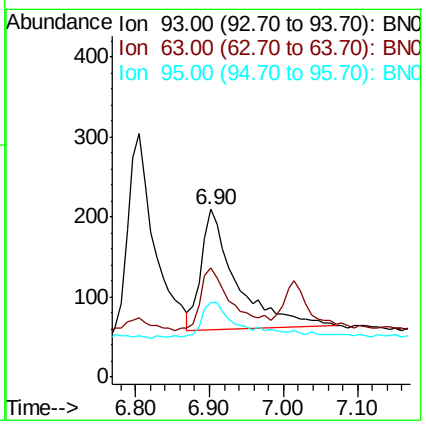


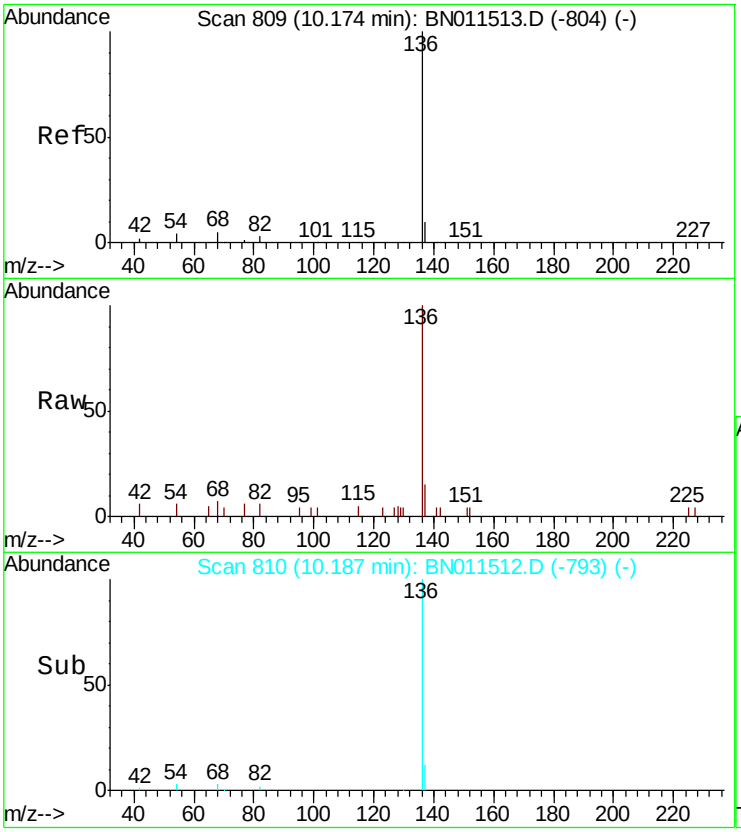


#6
bis(2-Chloroethyl)ether
Concen: 0.195 ng
RT: 6.90 min Scan# 487
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion: 93 Resp: 496

Ion	Ratio	Lower	Upper
93	100		
63	46.6	45.4	68.2
95	32.7	31.8	47.8



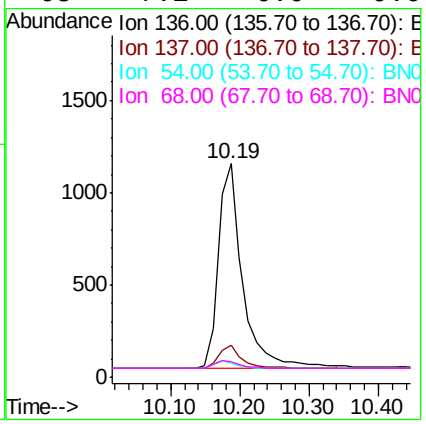


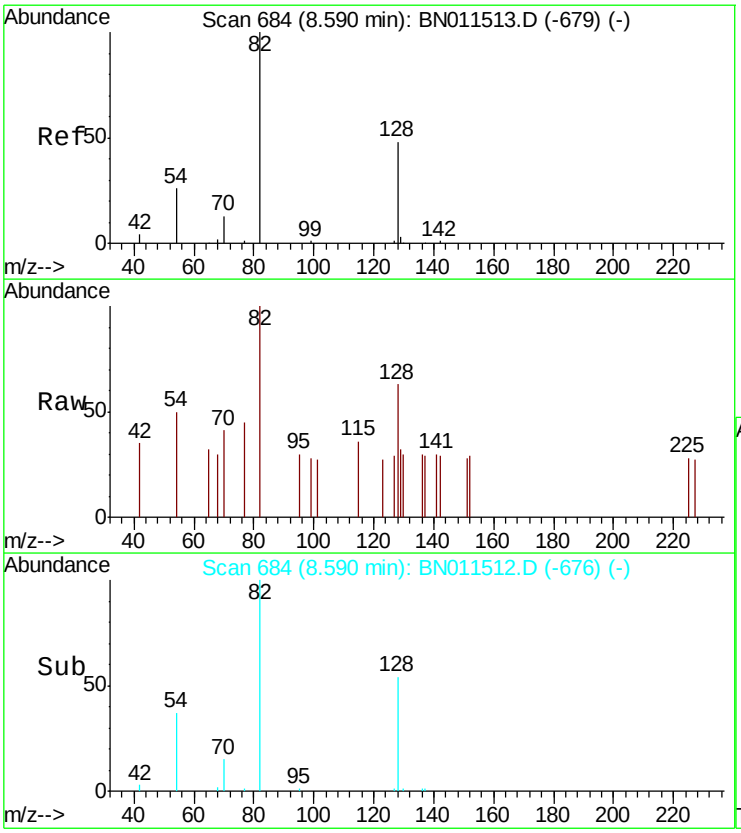
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 810
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 2741

Ion	Ratio	Lower	Upper
136	100		
137	15.2	10.3	15.5
54	6.5	5.7	8.5
68	7.1	6.0	9.0

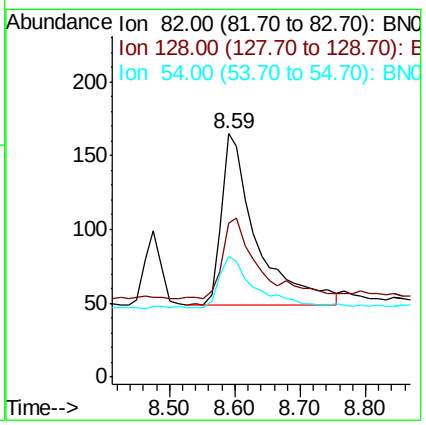


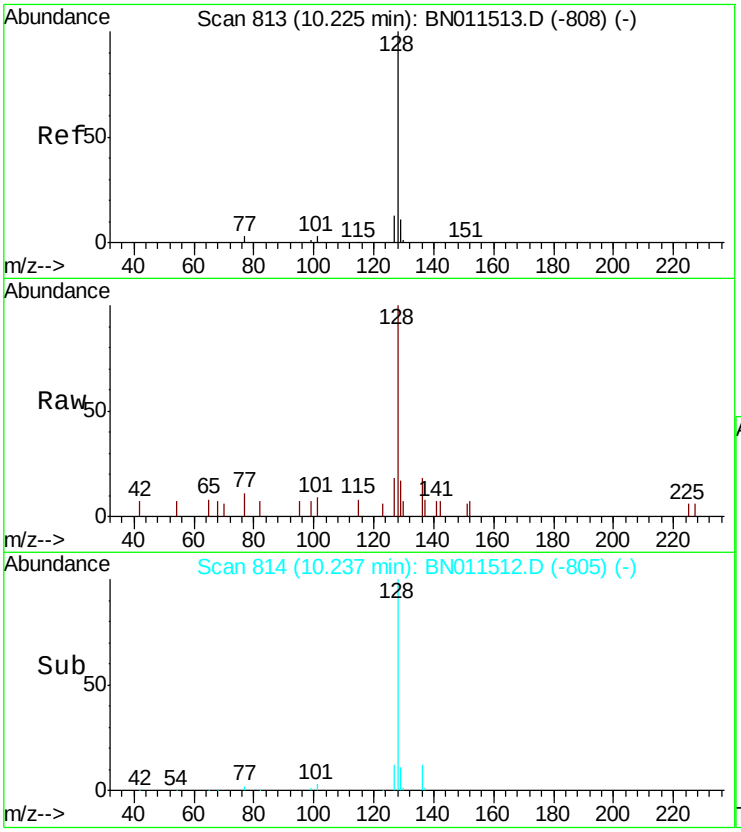


#8
Nitrobenzene-d5
Concen: 0.176 ng
RT: 8.59 min Scan# 684
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion: 82 Resp: 430

Ion	Ratio	Lower	Upper
82	100		
128	63.0	44.6	66.8
54	49.7	27.6	41.4#



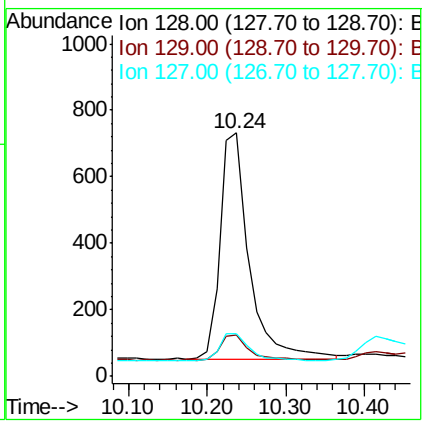


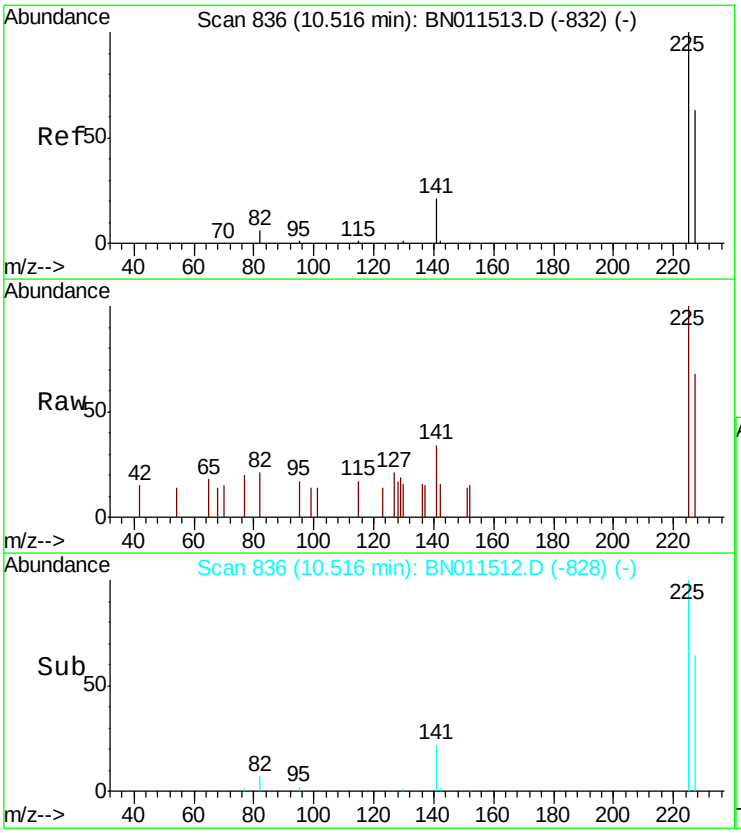
#9
Naphthalene
Concen: 0.214 ng
RT: 10.24 min Scan# 814
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 1737

Ion	Ratio	Lower	Upper
128	100		
129	16.9	11.1	16.7#
127	17.8	12.2	18.4

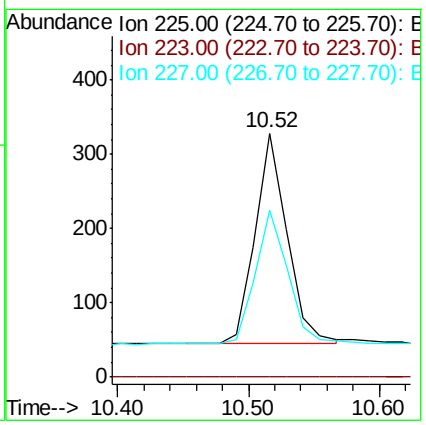


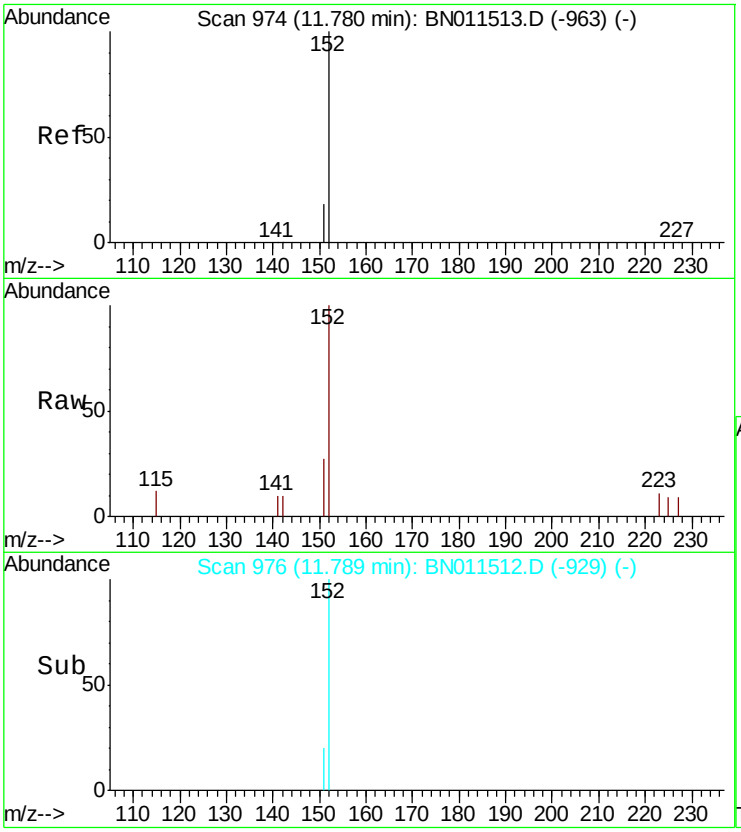


#10
Hexachlorobutadiene
Concen: 0.243 ng
RT: 10.52 min Scan# 836
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:225 Resp: 479

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	50.1	75.1



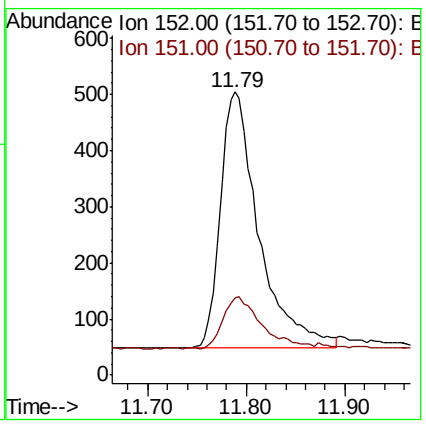


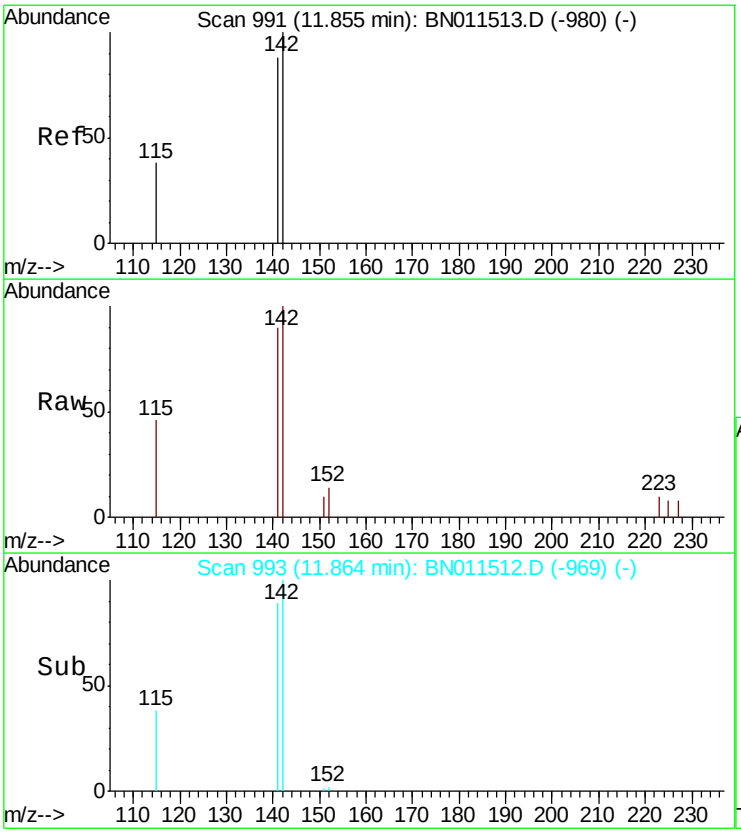
#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 11.79 min Scan# 976
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1230

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4

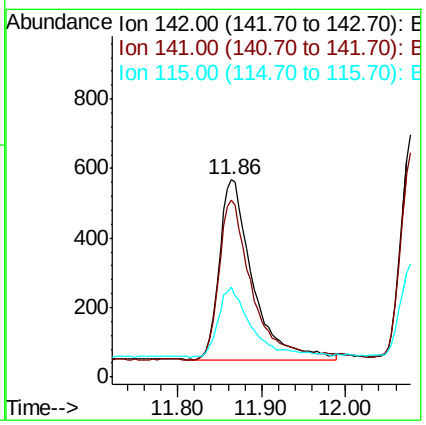


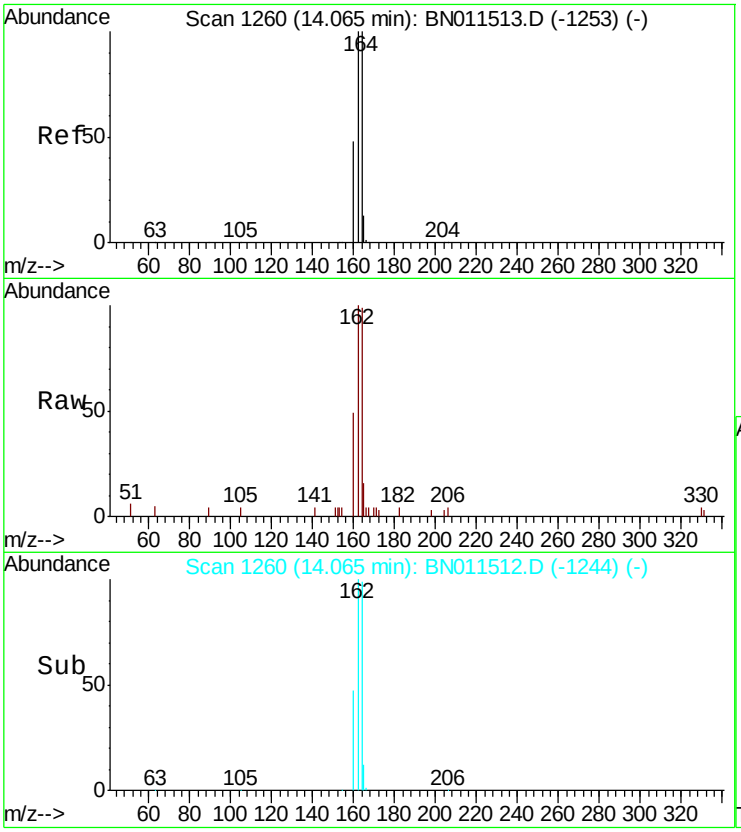


#12
2-Methylnaphthalene
Concen: 0.250 ng
RT: 11.86 min Scan# 993
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:142 Resp: 1442

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.9	106.3
115	45.5	33.2	49.8



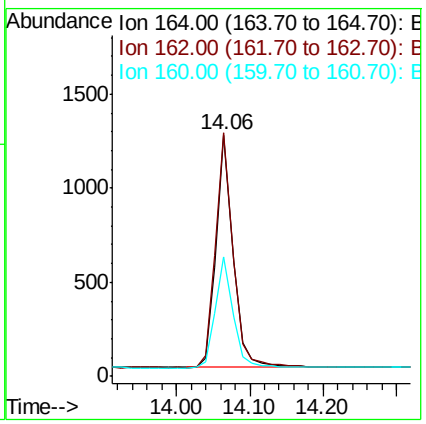


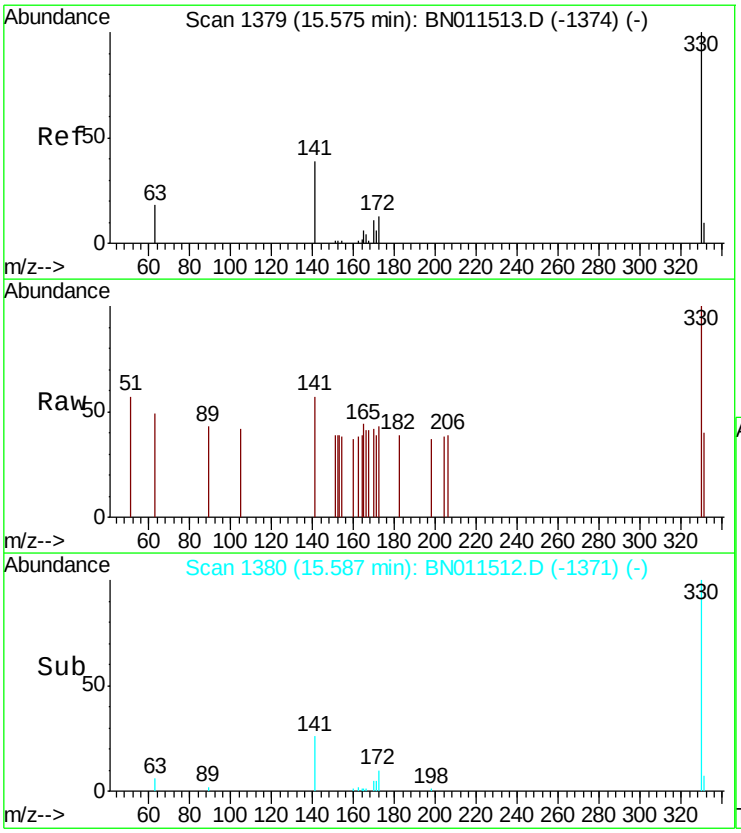
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 2014

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.8	119.8
160	49.8	39.6	59.4

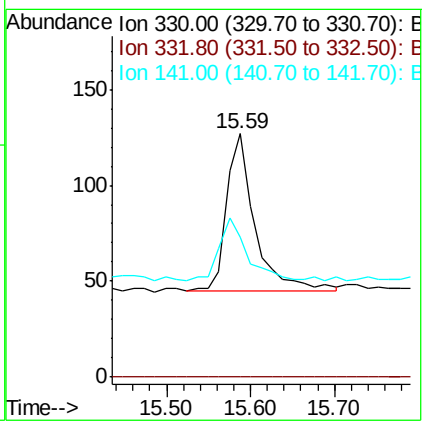


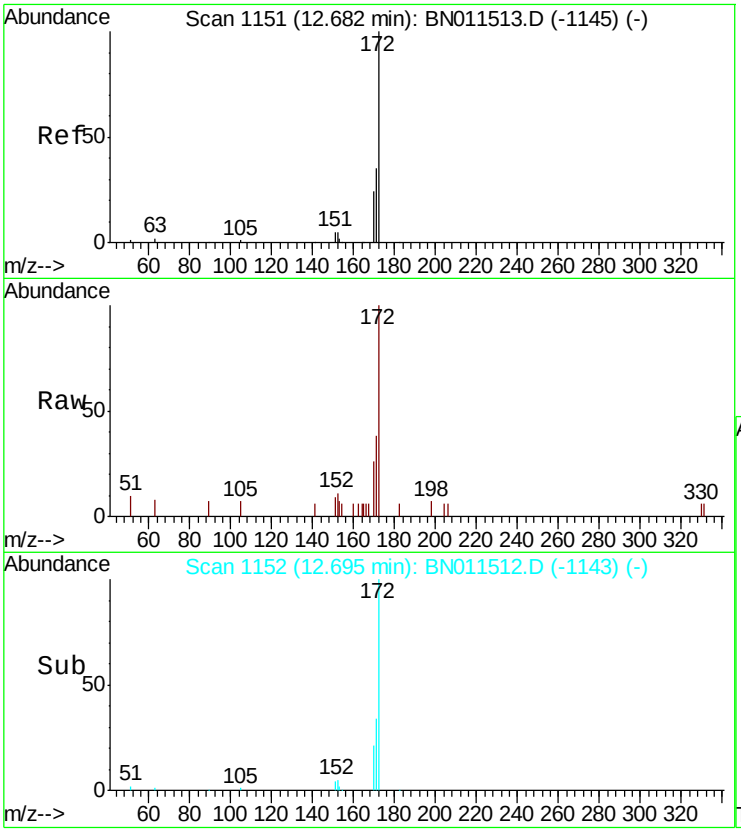


#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.59 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:330 Resp: 191

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.8	35.8	53.6



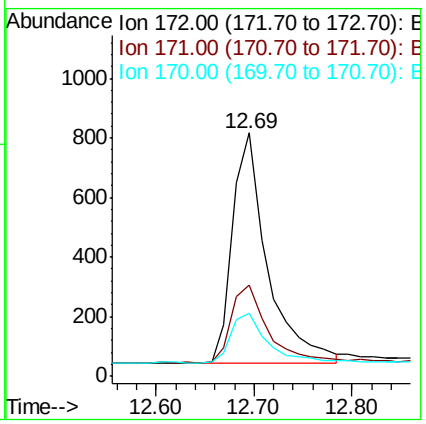


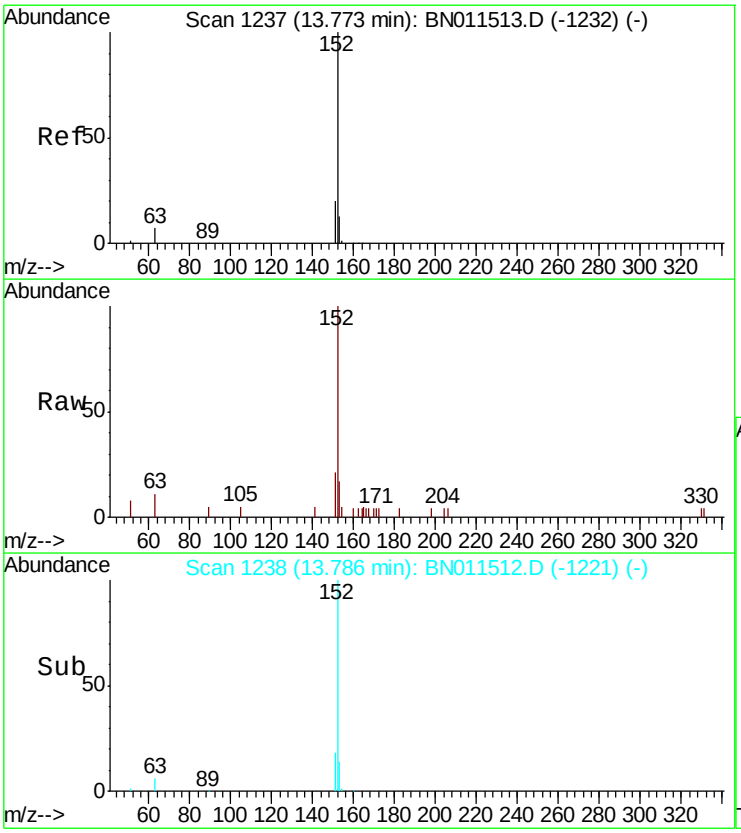
#15
2-Fluorobiphenyl
Concen: 0.218 ng
RT: 12.69 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 1896

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.5	44.3
170	25.7	20.9	31.3

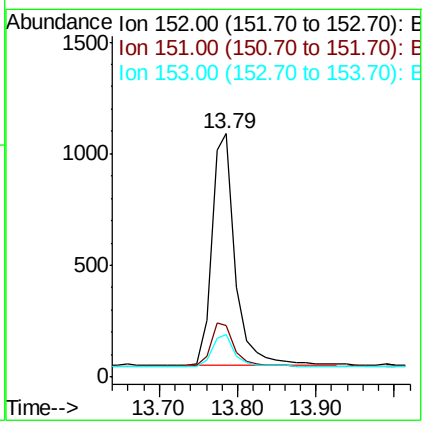


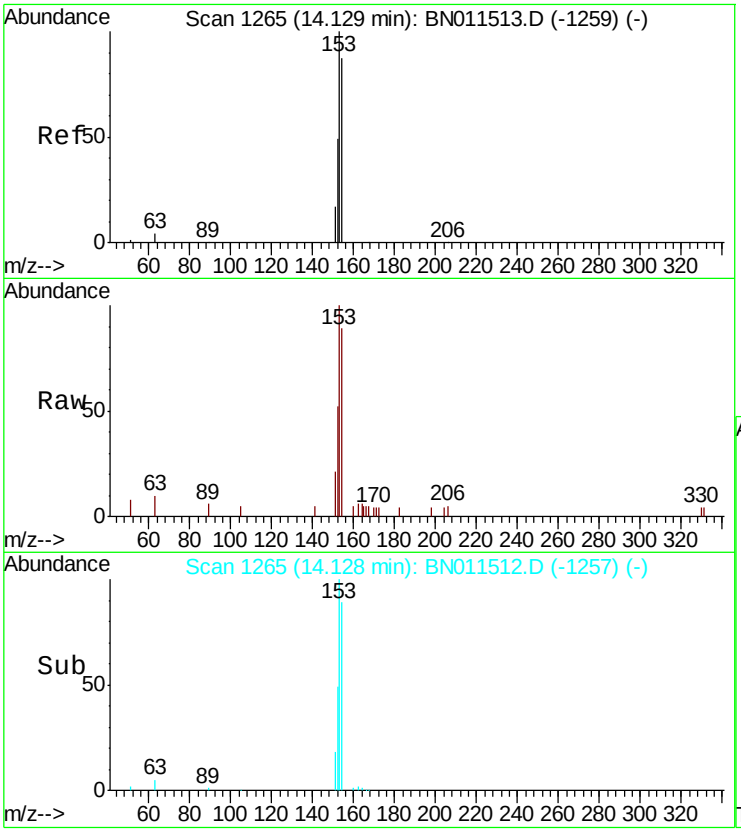


#16
Acenaphthylene
Concen: 0.211 ng
RT: 13.79 min Scan# 1238
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:152 Resp: 2188

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.8	23.6
153	13.6	10.1	15.1



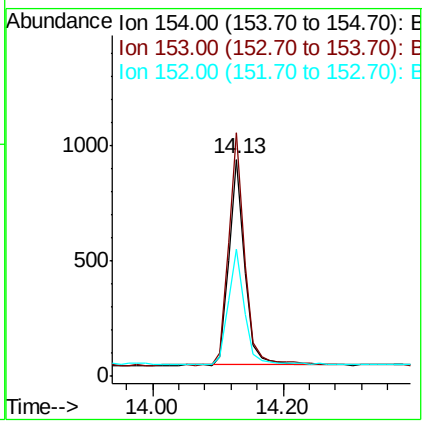


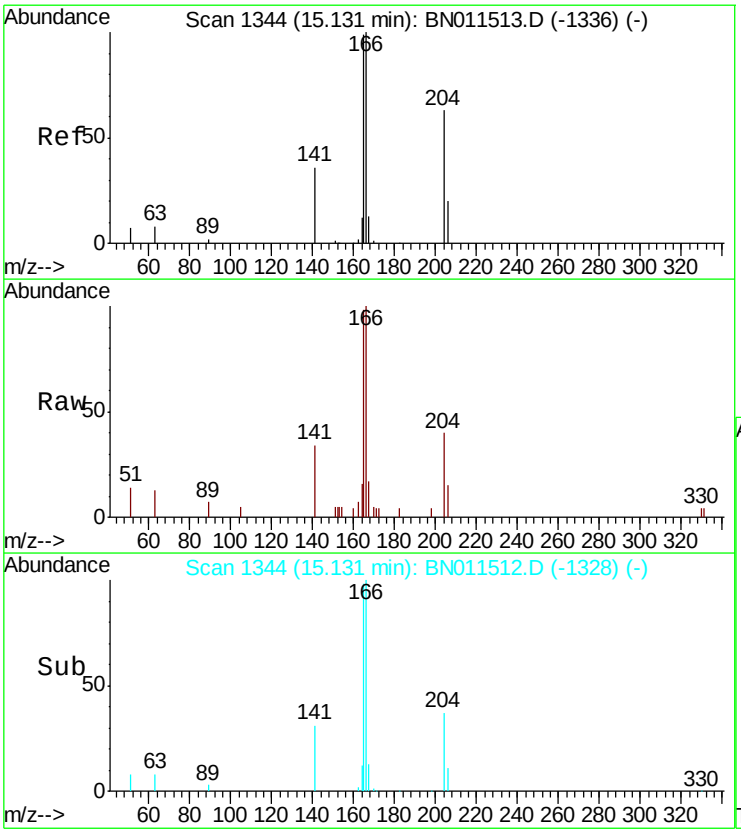
#17
Acenaphthene
Concen: 0.219 ng
RT: 14.13 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 1481

Ion	Ratio	Lower	Upper
154	100		
153	115.4	92.1	138.1
152	57.5	46.4	69.6

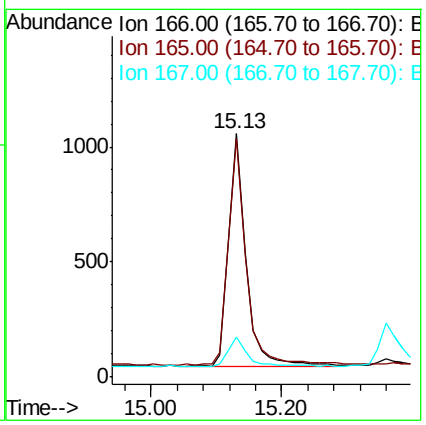


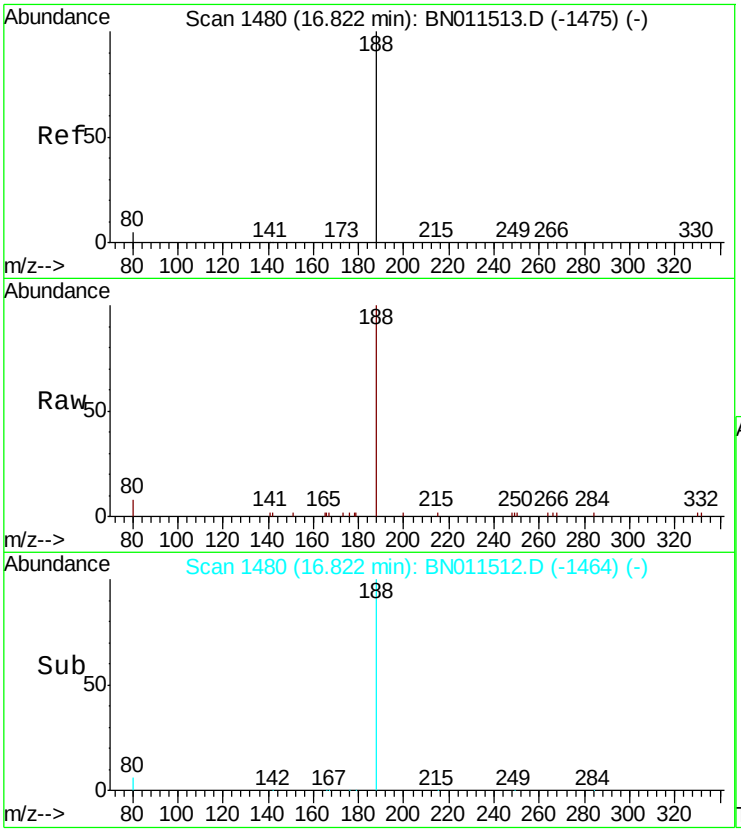


#18
Fluorene
Concen: 0.217 ng
RT: 15.13 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:166 Resp: 1880

Ion	Ratio	Lower	Upper
166	100		
165	98.4	80.4	120.6
167	13.4	10.7	16.1



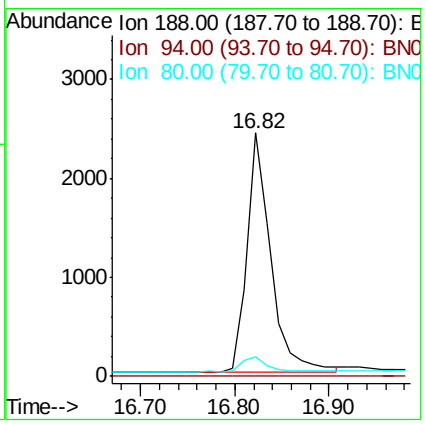


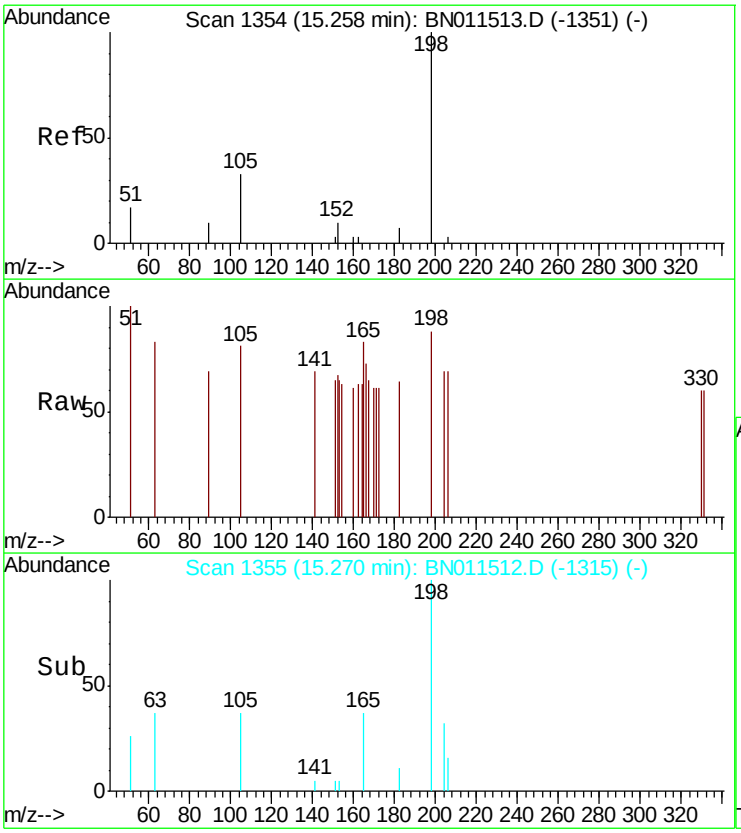
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1480
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 4202

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	5.4	8.2

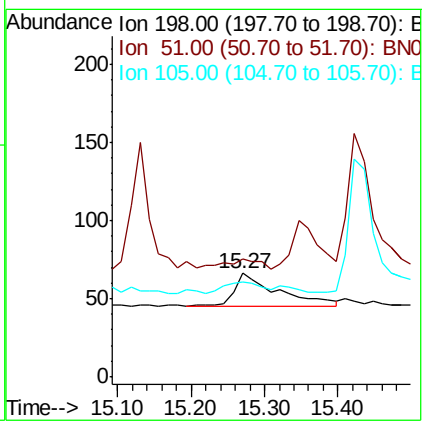


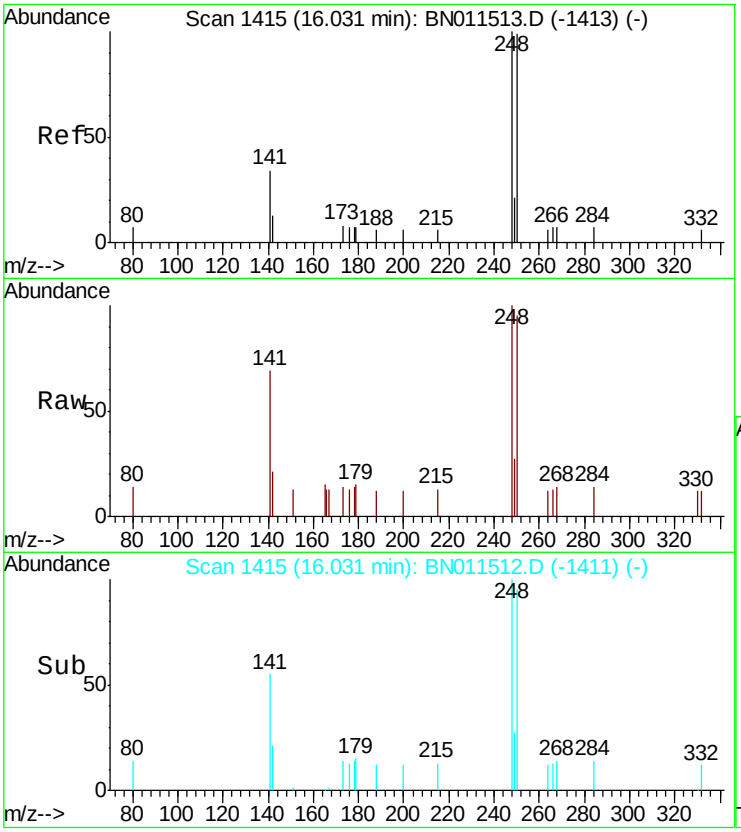


#20
4,6-Dinitro-2-methylphenol
Concen: 0.151 ng
RT: 15.27 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:198 Resp: 88

Ion	Ratio	Lower	Upper
198	100		
51	113.6	75.8	113.6
105	92.4	65.3	97.9



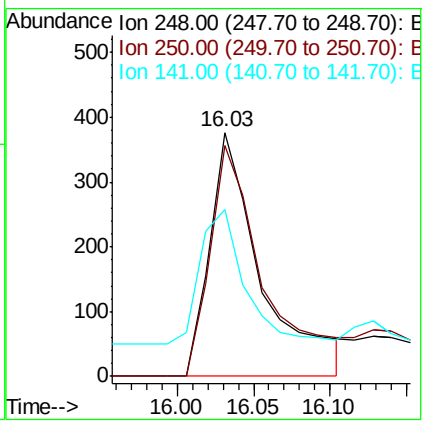


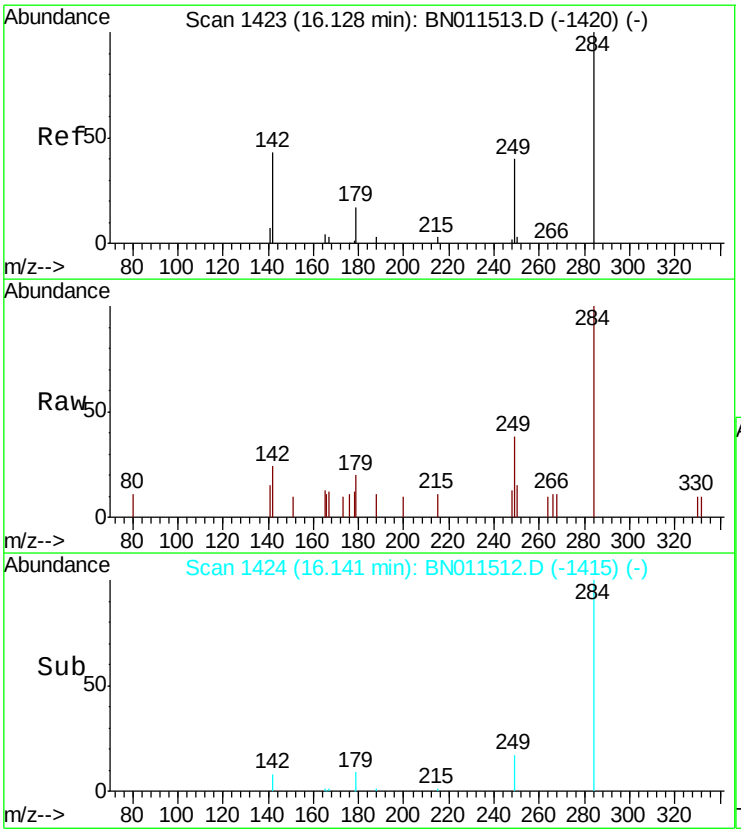
#21
4-Bromophenyl-phenylether
Concen: 0.319 ng
RT: 16.03 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 889

Ion	Ratio	Lower	Upper
248	100		
250	94.9	79.4	119.0
141	68.6	40.8	61.2#

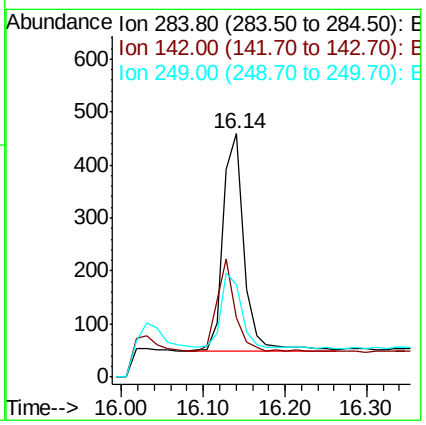


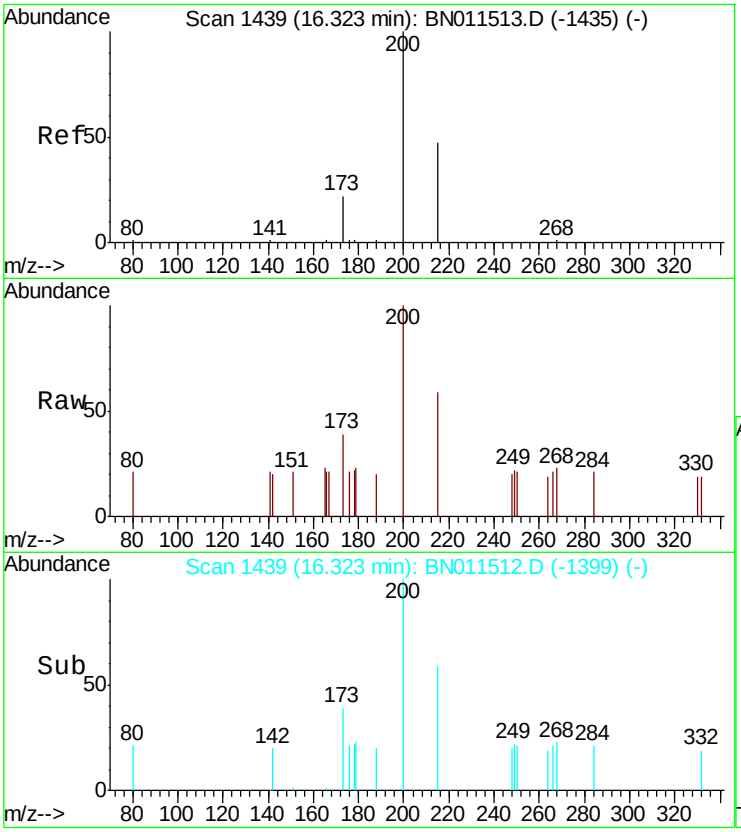


#22
Hexachlorobenzene
Concen: 0.230 ng
RT: 16.14 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:284 Resp: 728

Ion	Ratio	Lower	Upper
284	100		
142	40.7	31.7	47.5
249	33.0	27.4	41.2



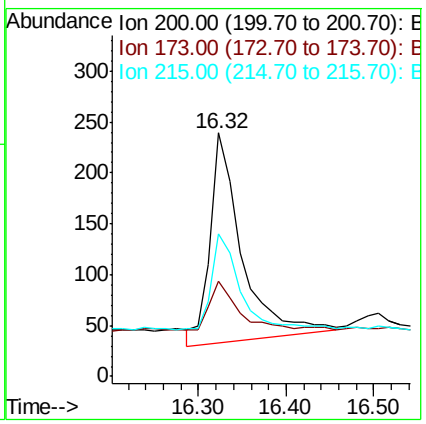


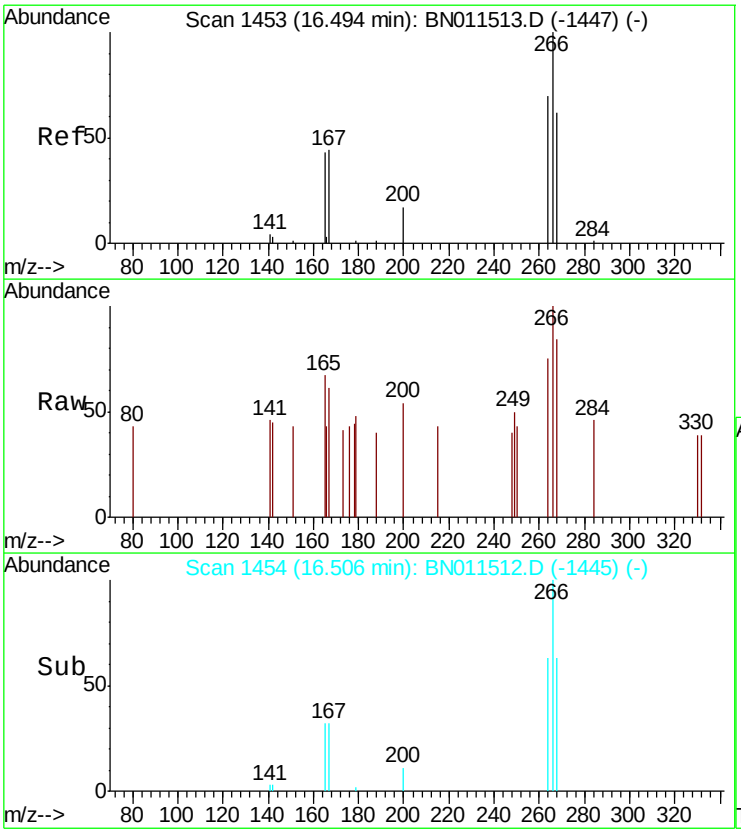
#23
Atrazine
Concen: 0.240 ng
RT: 16.32 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 521

Ion	Ratio	Lower	Upper
200	100		
173	38.9	24.0	36.0#
215	58.6	42.2	63.4

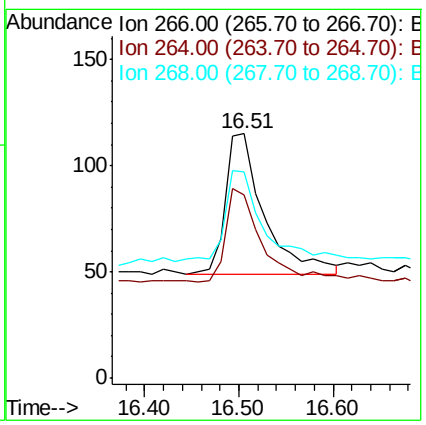


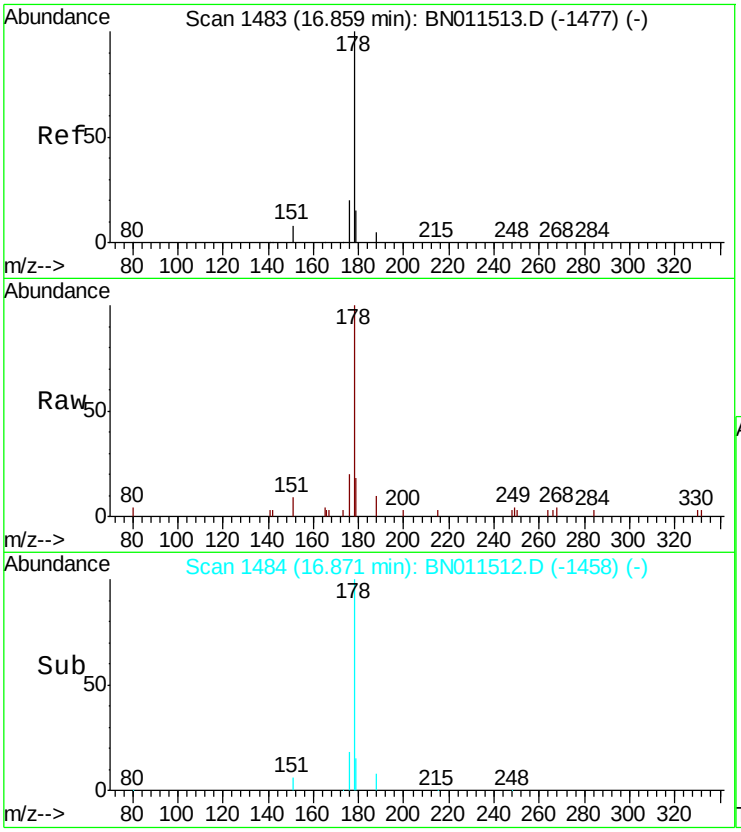


#24
Pentachlorophenol
Concen: 0.192 ng
RT: 16.51 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:266 Resp: 188

Ion	Ratio	Lower	Upper
266	100		
264	67.0	53.7	80.5
268	65.4	53.0	79.4



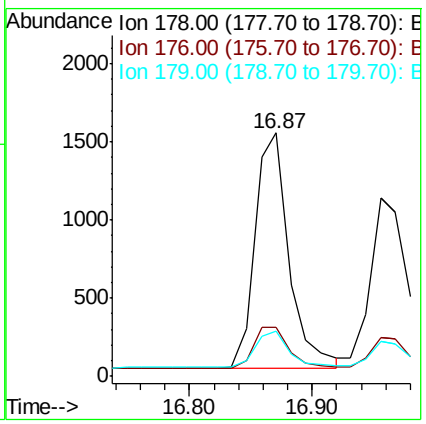


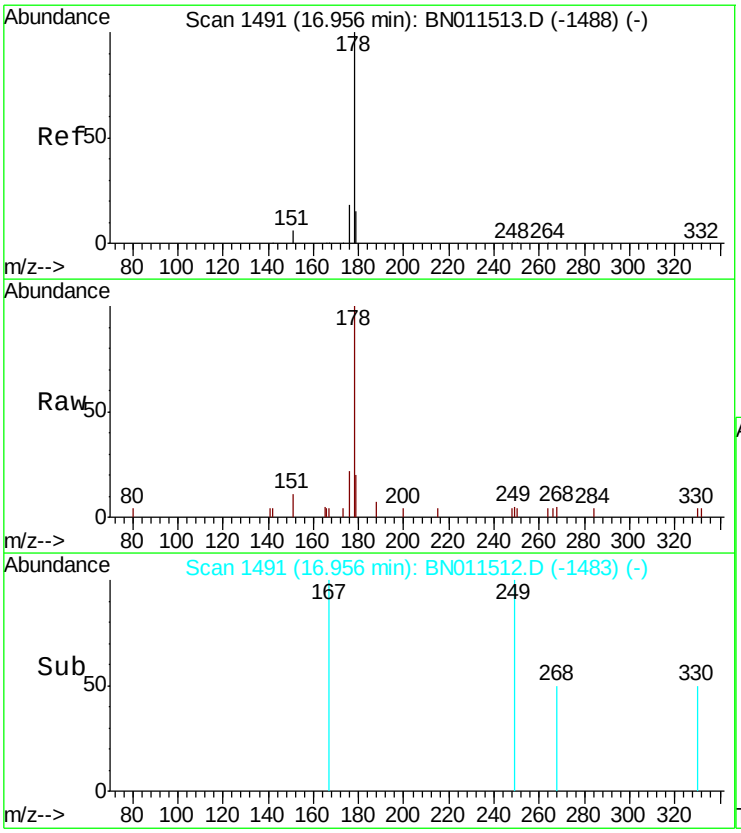
#25
Phenanthrene
Concen: 0.213 ng
RT: 16.87 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 2916

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.5	12.3	18.5

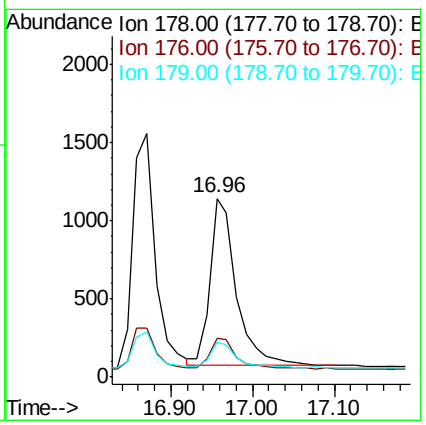


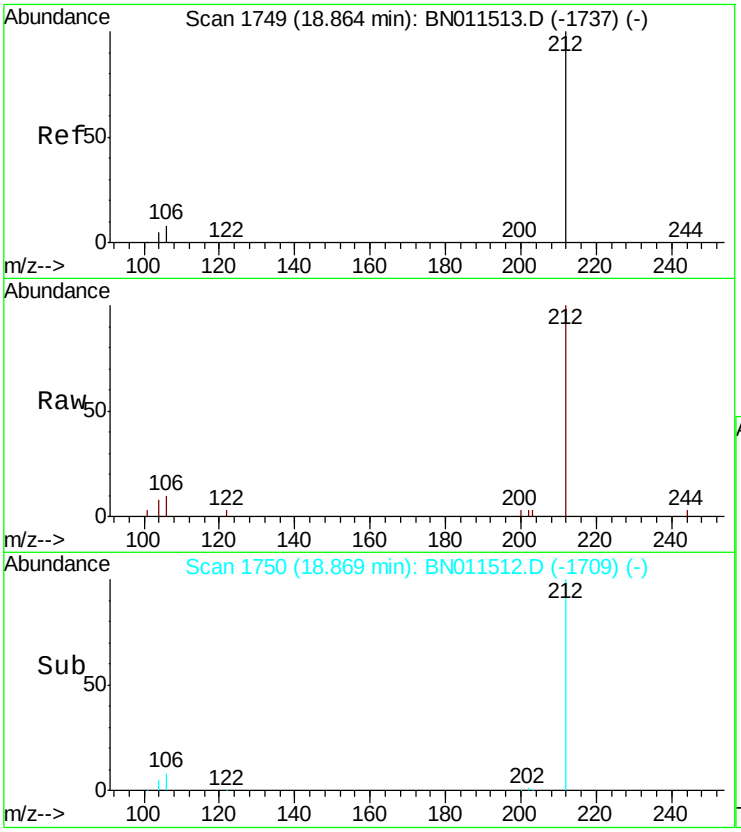


#26
Anthracene
Concen: 0.213 ng
RT: 16.96 min Scan# 1491
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:178 Resp: 2426

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.4	21.6
179	14.6	12.2	18.2



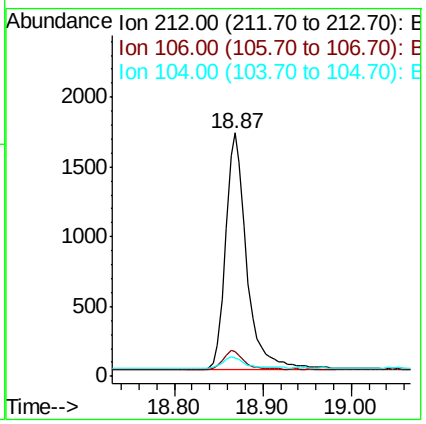


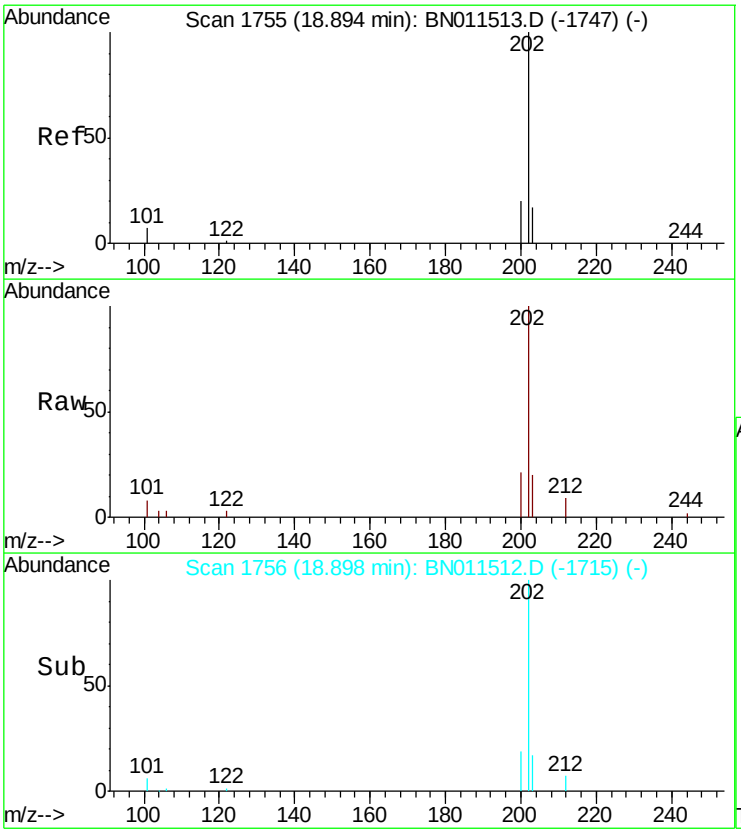
#27
Fluoranthene-d10
Concen: 0.222 ng
RT: 18.87 min Scan# 1750
Delta R.T. 0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 2853

Ion	Ratio	Lower	Upper
212	100		
106	8.0	6.0	9.0
104	4.8	3.7	5.5

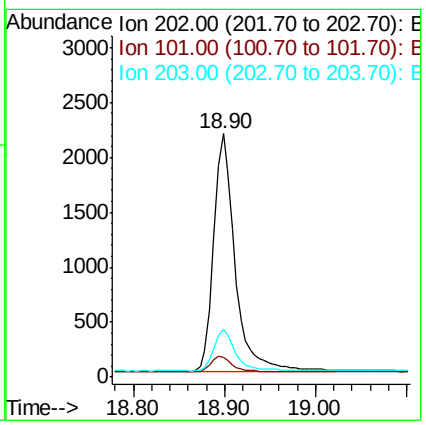


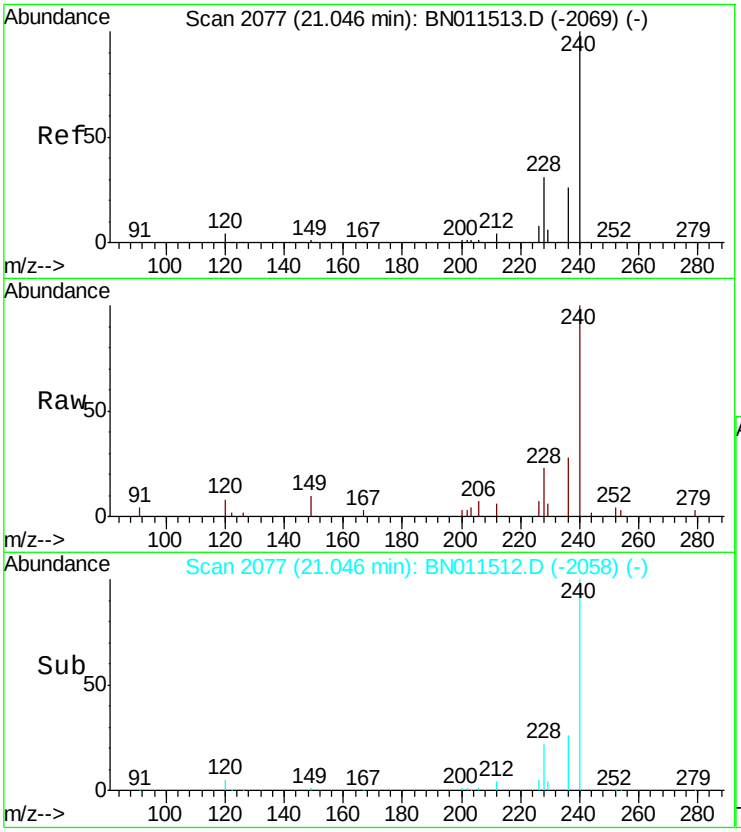


#28
Fluoranthene
Concen: 0.226 ng
RT: 18.90 min Scan# 1756
Delta R.T. 0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:202 Resp: 3515

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.1	7.7
203	17.8	13.8	20.6



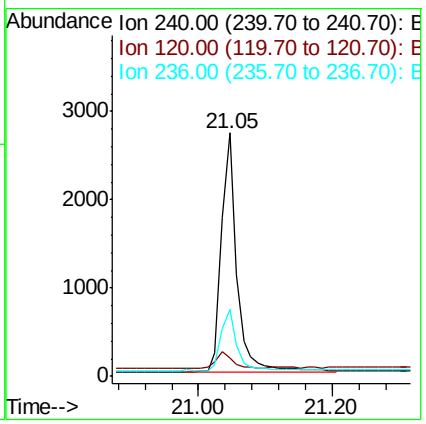


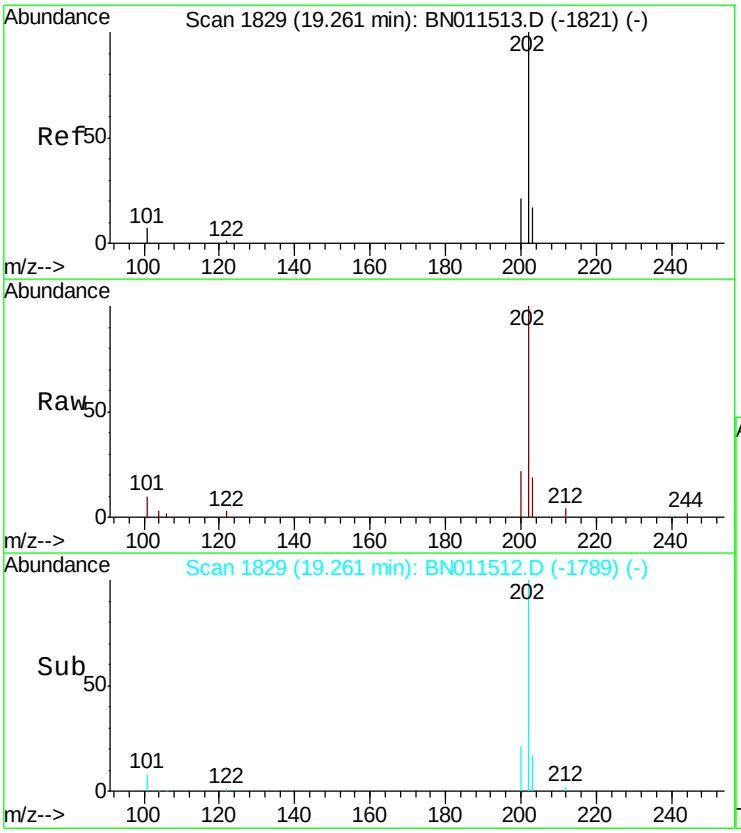
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2077
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 4334

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.0	9.0
236	27.6	22.6	33.8

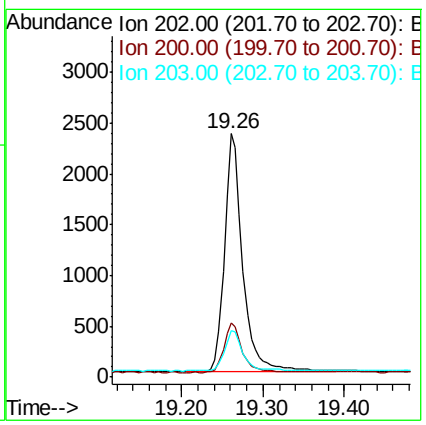


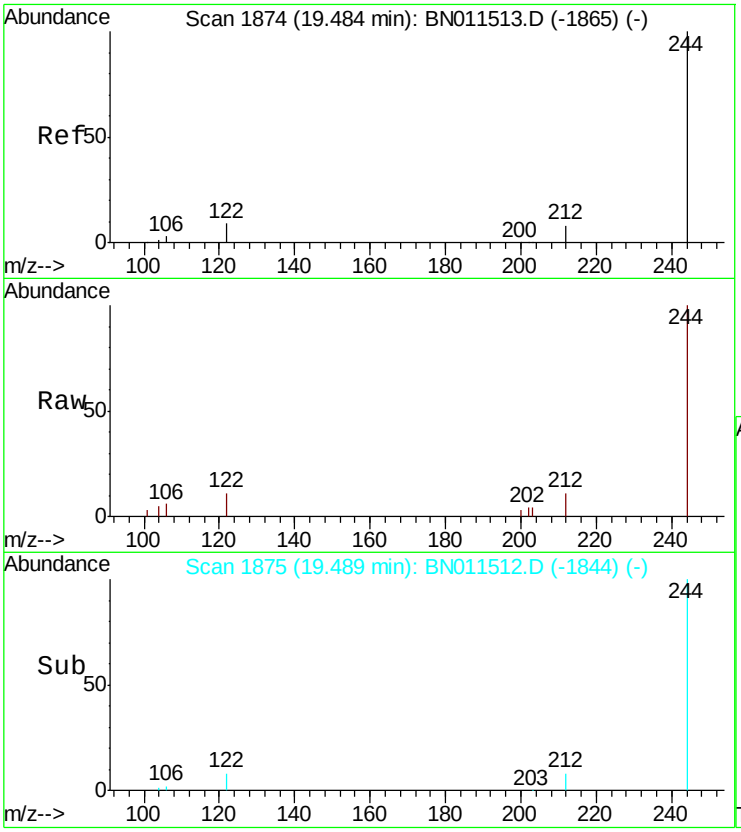


#30
Pyrene
Concen: 0.187 ng
RT: 19.26 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:202 Resp: 3659

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	16.8	13.9	20.9



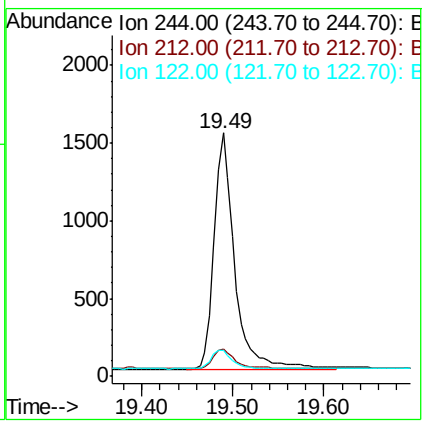


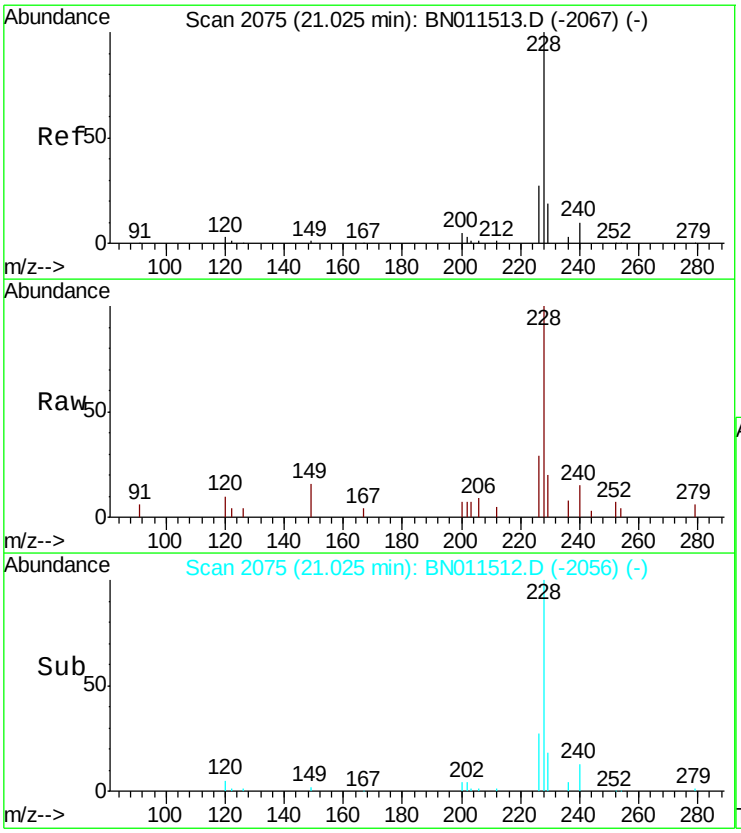
#31
Terphenyl-d14
Concen: 0.180 ng
RT: 19.49 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 2366

Ion	Ratio	Lower	Upper
244	100		
212	11.2	8.2	12.4
122	10.9	8.4	12.6

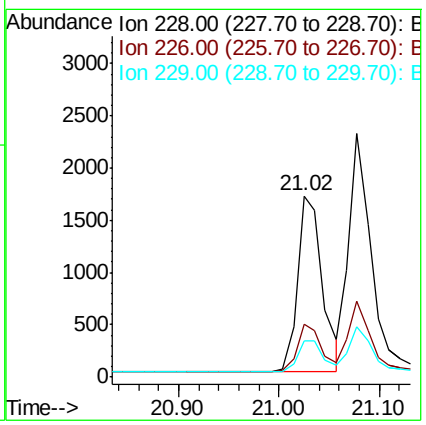


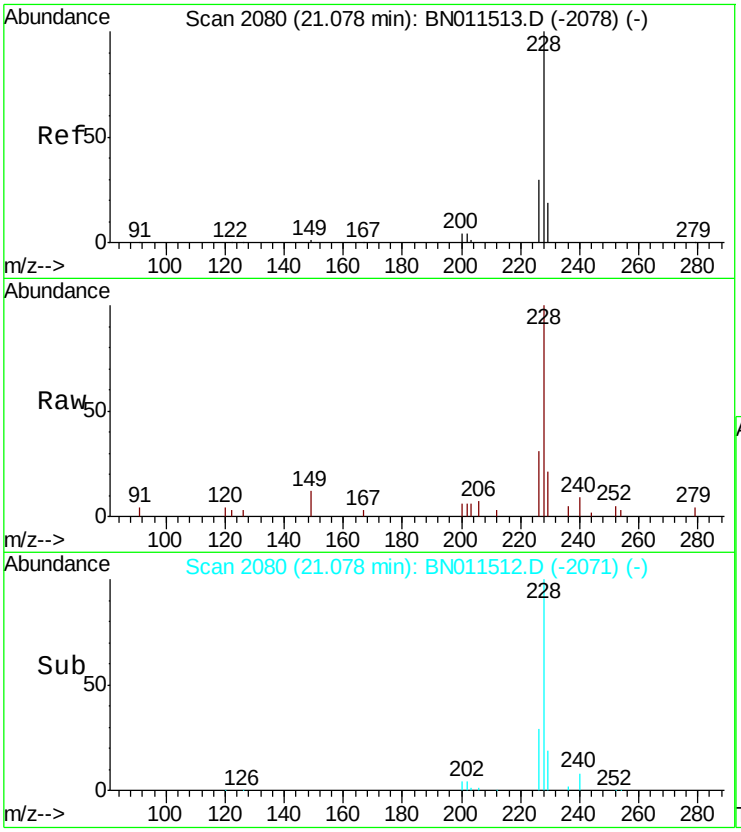


#32
Benzo(a)anthracene
Concen: 0.202 ng
RT: 21.02 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:228 Resp: 2941

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.0	16.2	24.2



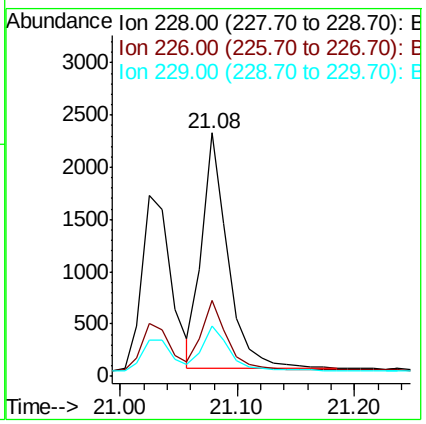


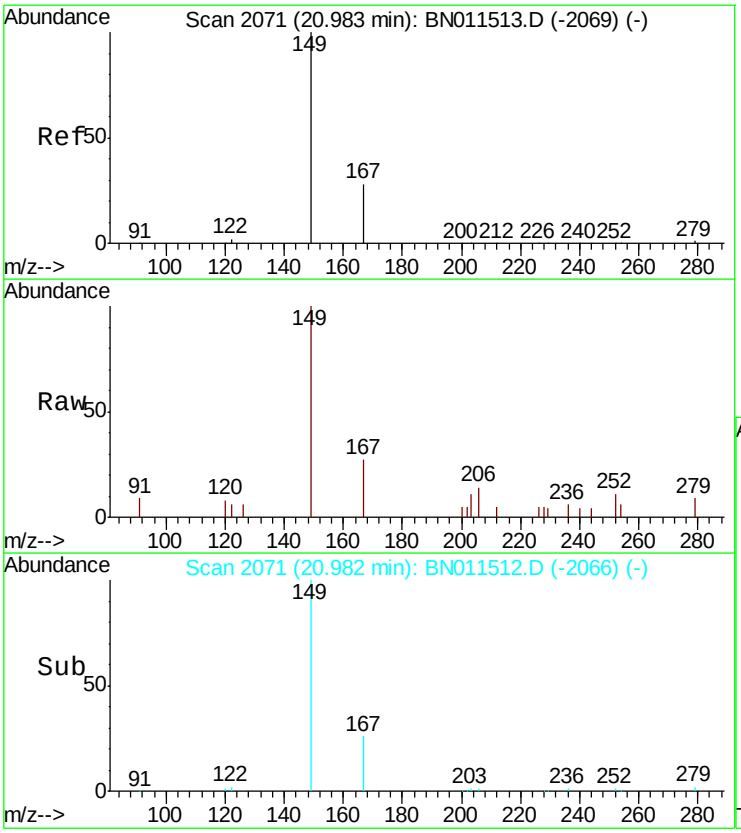
#33
Chrysene
Concen: 0.213 ng
RT: 21.08 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 3474

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	20.8	15.9	23.9

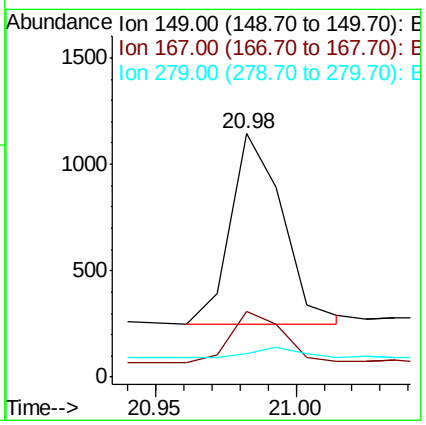


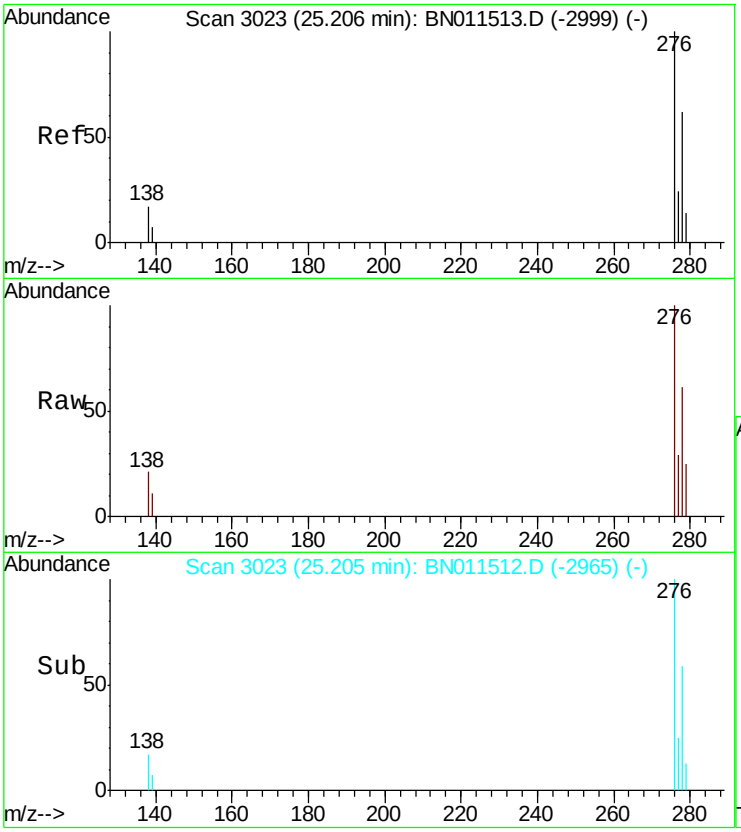


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.148 ng
RT: 20.98 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:149 Resp: 1155

Ion	Ratio	Lower	Upper
149	100		
167	27.2	23.0	34.4
279	5.0	4.1	6.1



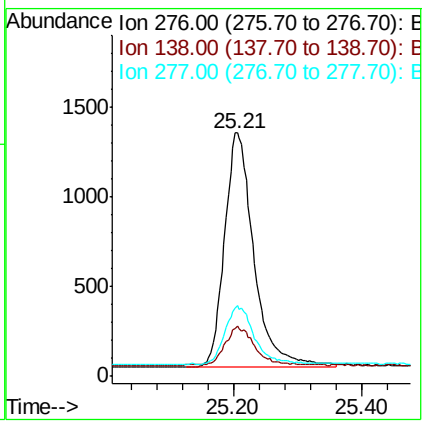


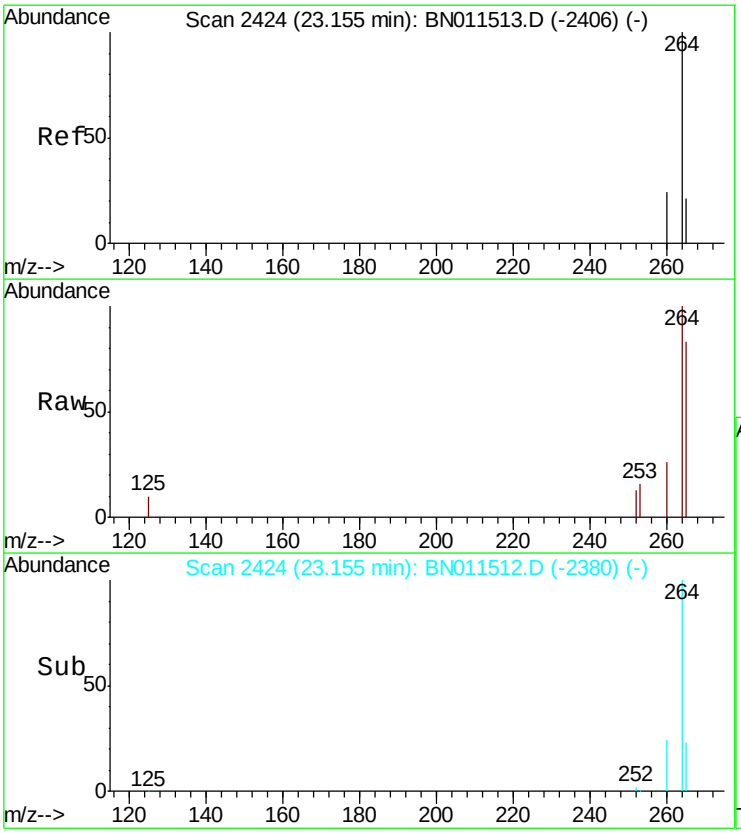
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.263 ng
RT: 25.21 min Scan# 3023
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 4183

Ion	Ratio	Lower	Upper
276	100		
138	15.8	13.6	20.4
277	24.2	19.8	29.8

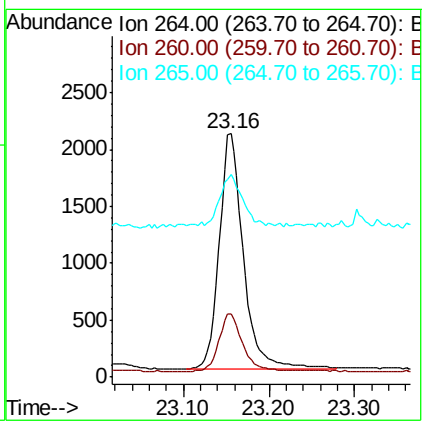


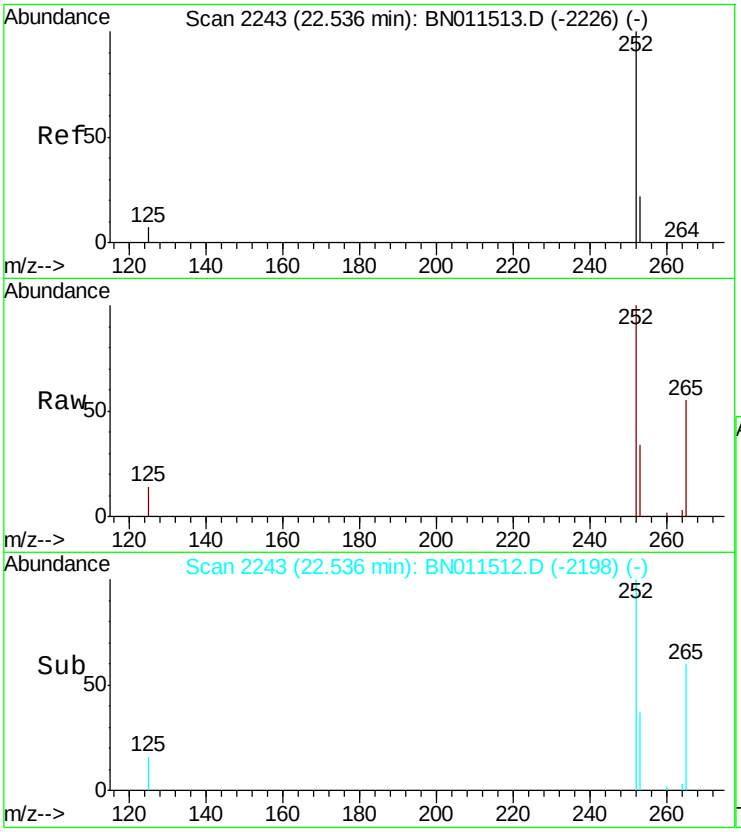


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:264 Resp: 4060

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.0	30.0
265	83.1	62.6	94.0



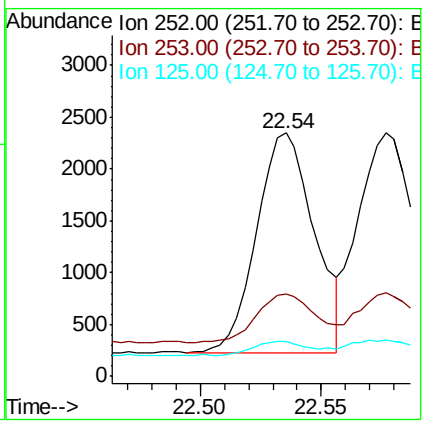


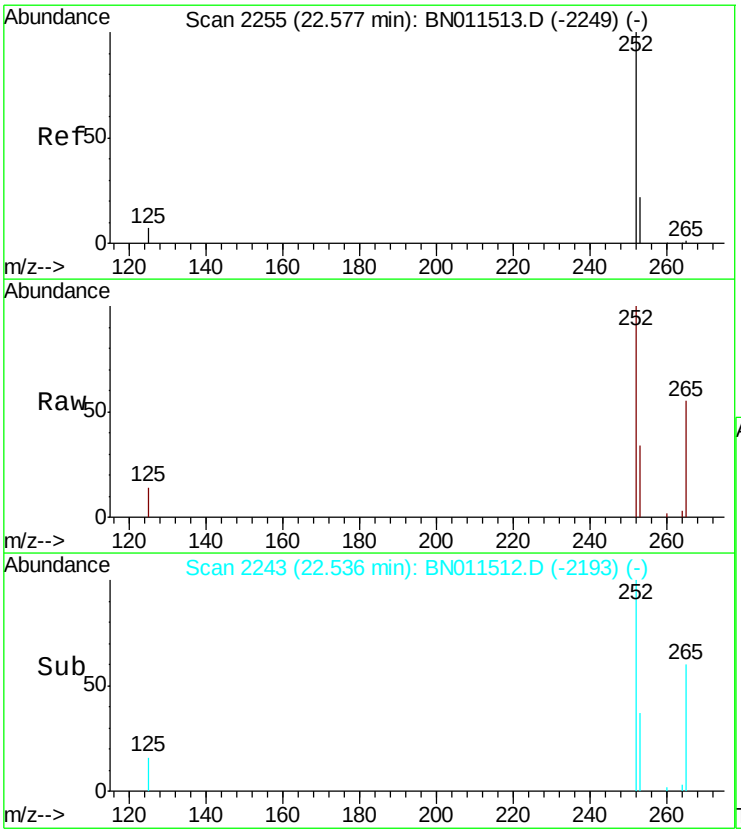
#37
Benzo(b)fluoranthene
Concen: 0.217 ng
RT: 22.54 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3511

Ion	Ratio	Lower	Upper
252	100		
253	33.9	23.0	34.6
125	14.4	9.0	13.4#

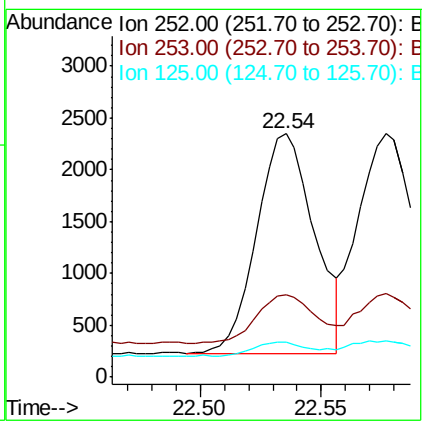


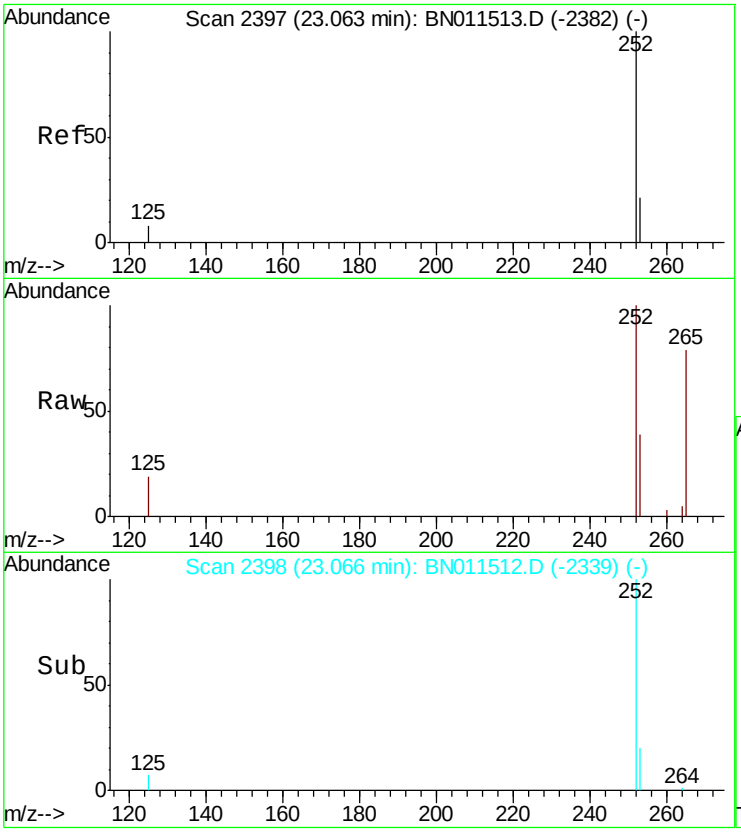


#38
Benzo(k)fluoranthene
Concen: 0.197 ng
RT: 22.54 min Scan# 2243
Delta R.T. -0.04 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:252 Resp: 3511

Ion	Ratio	Lower	Upper
252	100		
253	33.9	23.4	35.0
125	14.4	9.7	14.5



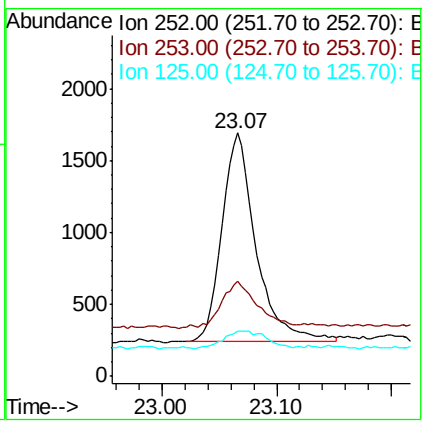


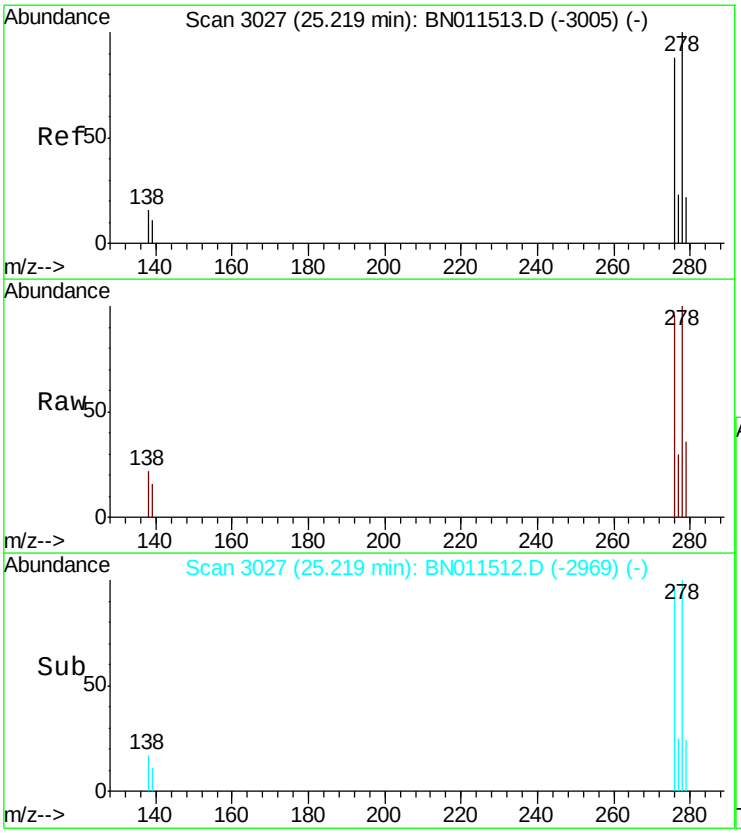
#39
Benzo(a)pyrene
Concen: 0.216 ng
RT: 23.07 min Scan# 2398
Delta R.T. 0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3029

Ion	Ratio	Lower	Upper
252	100		
253	38.9	25.4	38.0#
125	18.5	11.6	17.4#

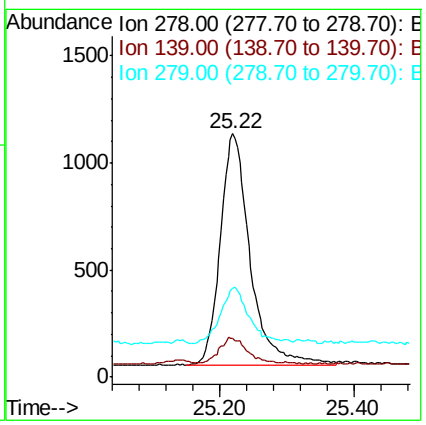


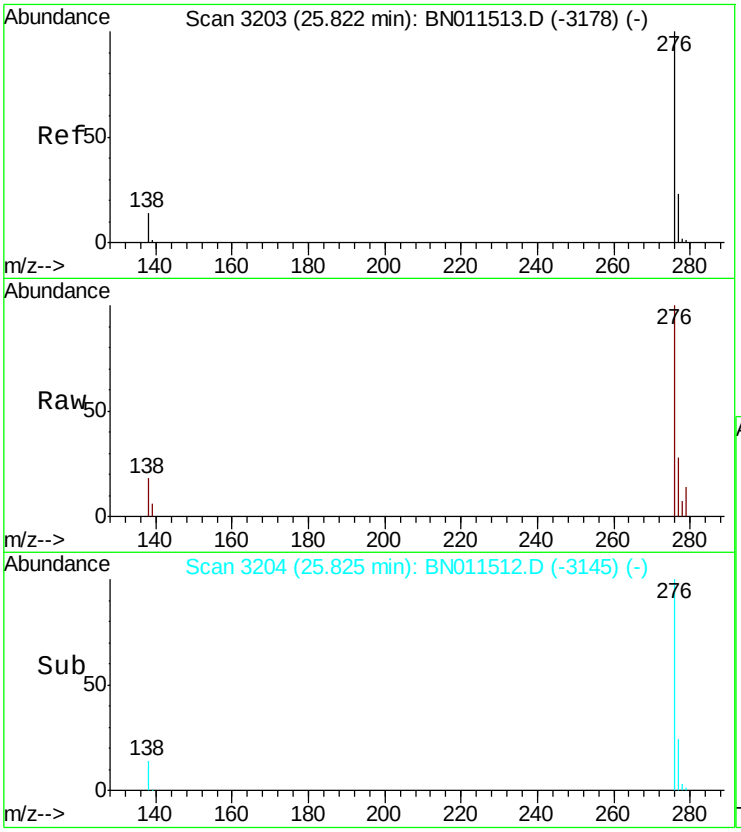


#40
Dibenzo(a,h)anthracene
Concen: 0.230 ng
RT: 25.22 min Scan# 3027
Delta R.T. -0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Tgt Ion:278 Resp: 3348

Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.1	16.7
279	36.3	23.3	34.9#





#41
Benzo(g,h,i)perylene
Concen: 0.219 ng
RT: 25.82 min Scan# 3204
Delta R.T. 0.00 min
Lab File: BN011512.D
Acq: 19 Aug 2020 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 3537

Ion	Ratio	Lower	Upper
276	100		
277	28.0	20.5	30.7
138	17.9	13.2	19.8