Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062320\
Data File : BN011034.D
Acq On : 23 Jun 2020 17:03
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC1.6

Quant Time: Jun 23 17:43:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 16:32:59 2020
Response via : Initial Calibration

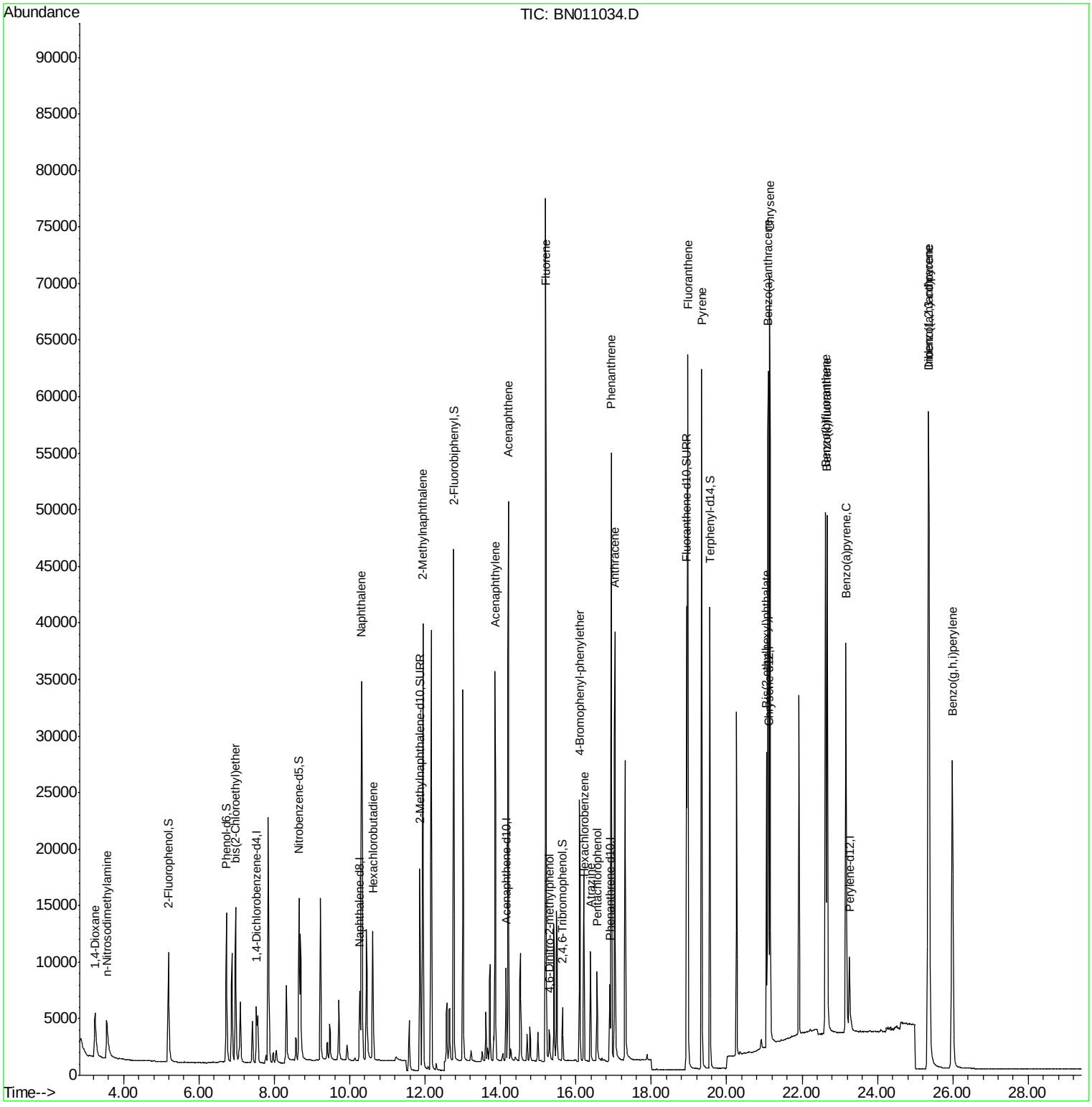
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2683	0.40	ng		0.00
7) Naphthalene-d8	10.27	136	8678	0.40	ng		0.00
13) Acenaphthene-d10	14.14	164	4647	0.40	ng		0.00
19) Phenanthrene-d10	16.90	188	9672	0.40	ng		0.00
29) Chrysene-d12	21.11	240	9985	0.40	ng		-0.01
36) Perylene-d12	23.26	264	8443	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.19	112	12551	2.38	ng		0.00
5) Phenol-d6	6.73	99	15729	2.46	ng		0.02
8) Nitrobenzene-d5	8.66	82	12982	2.07	ng		0.01
11) 2-Methylnaphthalene-d10	11.86	152	24709	1.83	ng		0.00
14) 2,4,6-Tribromophenol	15.64	330	3439	2.08	ng		0.00
15) 2-Fluorobiphenyl	12.76	172	41135	2.33	ng		0.00
27) Fluoranthene-d10	18.94	212	48774	1.92	ng		0.00
31) Terphenyl-d14	19.55	244	41008	1.80	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	6464	2.461	ng		100
3) n-Nitrosodimethylamine	3.55	42	3585	2.326	ng	#	90
6) bis(2-Chloroethyl)ether	6.97	93	12835	2.078	ng		98
9) Naphthalene	10.32	128	42618	1.982	ng		99
10) Hexachlorobutadiene	10.62	225	10343	1.968	ng	#	99
12) 2-Methylnaphthalene	11.94	142	28762	1.944	ng		99
16) Acenaphthylene	13.85	152	39698	2.107	ng		100
17) Acenaphthene	14.21	154	25773	2.006	ng		99
18) Fluorene	15.20	166	32537	1.951	ng		99
20) 4,6-Dinitro-2-methylphenol	15.30	198	2705	2.316	ng	#	65
21) 4-Bromophenyl-phenylether	16.09	248	11852	2.128	ng		96
22) Hexachlorobenzene	16.22	284	12311	2.087	ng		98
23) Atrazine	16.39	200	8540	2.501	ng		96
24) Pentachlorophenol	16.56	266	3998	2.022	ng		96
25) Phenanthrene	16.93	178	52285	1.996	ng		100
26) Anthracene	17.03	178	44154	2.028	ng		100
28) Fluoranthene	18.97	202	58889	2.025	ng		100
30) Pyrene	19.33	202	58238	1.814	ng		99
32) Benzo(a)anthracene	21.10	228	55731	1.931	ng		98
33) Chrysene	21.14	228	59641	1.806	ng		99
34) Bis(2-ethylhexyl)phthalate	21.06	149	21185	2.067	ng		99
35) Indeno(1,2,3-cd)pyrene	25.35	276	71208	1.951	ng		100
37) Benzo(b)fluoranthene	22.62	252	56573	2.008	ng	#	92
38) Benzo(k)fluoranthene	22.66	252	58768	1.971	ng	#	91
39) Benzo(a)pyrene	23.16	252	48875	2.003	ng	#	89
40) Dibenzo(a,h)anthracene	25.37	278	58895	2.168	ng		94
41) Benzo(g,h,i)perylene	25.99	276	54616	1.934	ng		97

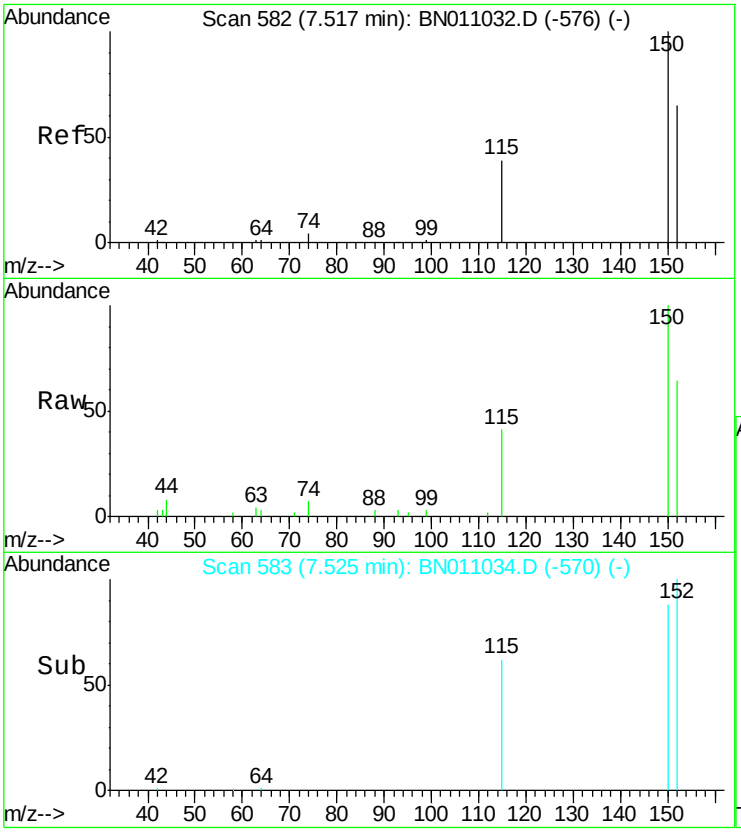
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062320\
Data File : BN011034.D
Acq On : 23 Jun 2020 17:03
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Jun 23 17:43:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 16:32:59 2020
Response via : Initial Calibration



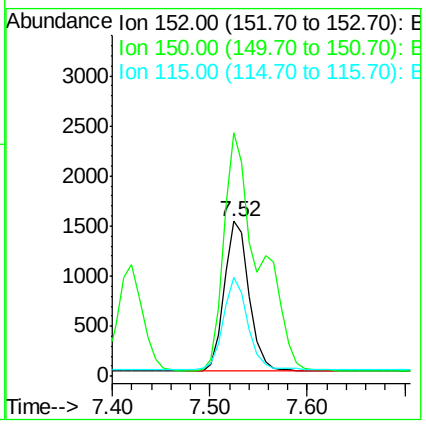


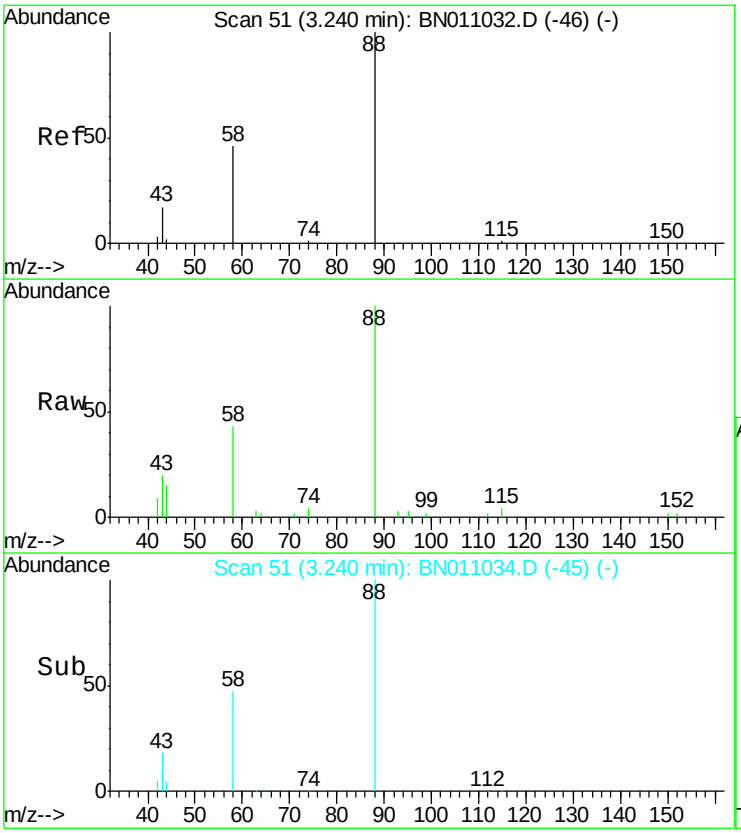
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 2683

Ion	Ratio	Lower	Upper
152	100		
150	157.1	121.8	182.8
115	64.0	50.2	75.2

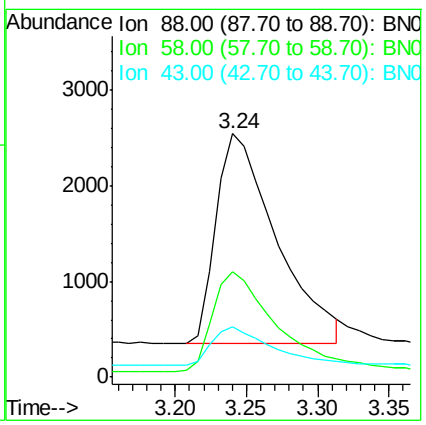


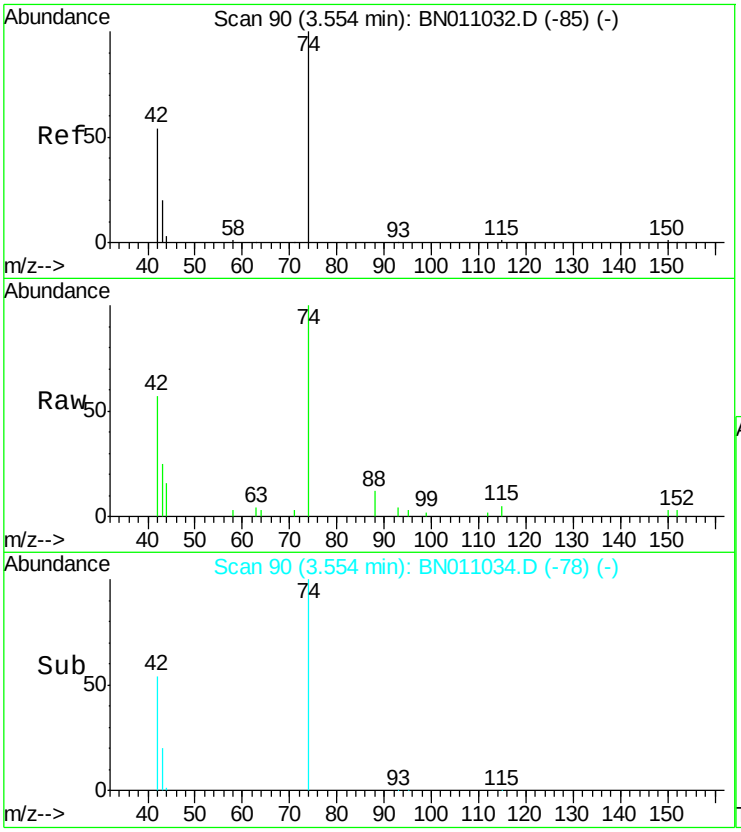


#2
1,4-Dioxane
Concen: 2.461 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion: 88 Resp: 6464

Ion	Ratio	Lower	Upper
88	100		
58	47.7	38.4	57.6
43	17.9	14.2	21.4



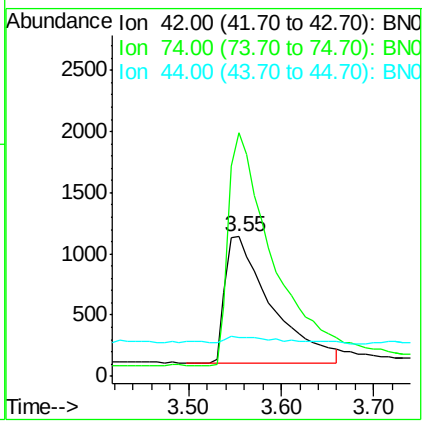


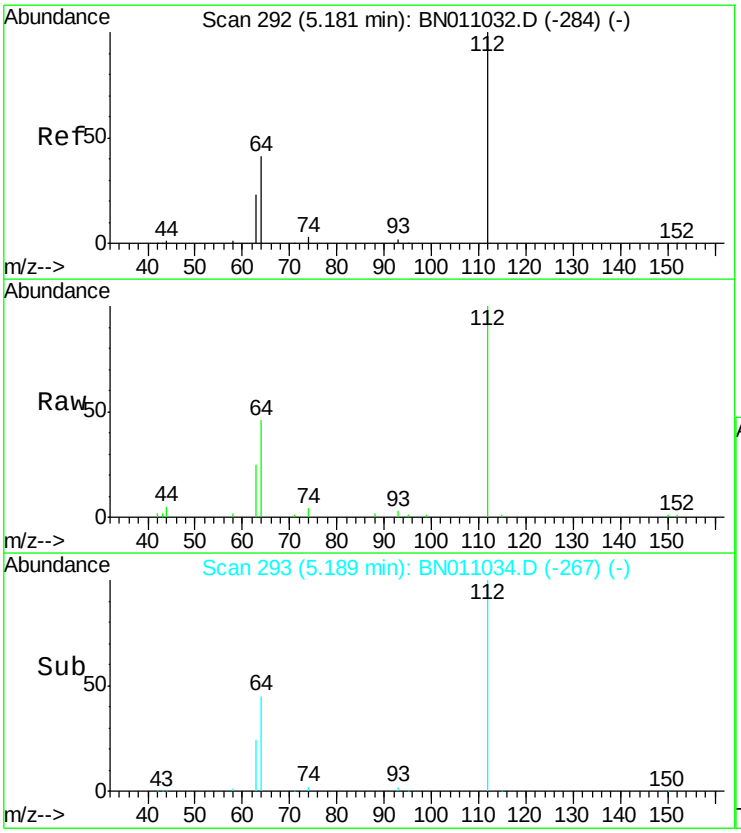
#3
n-Nitrosodimethylamine
Concen: 2.326 ng
RT: 3.55 min Scan# 90
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 3585

Ion	Ratio	Lower	Upper
42	100		
74	178.9	154.8	232.2
44	4.2	4.8	7.2#

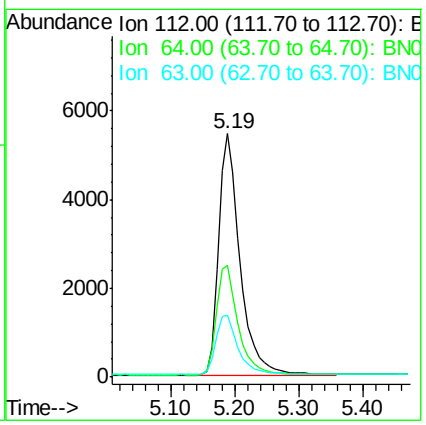


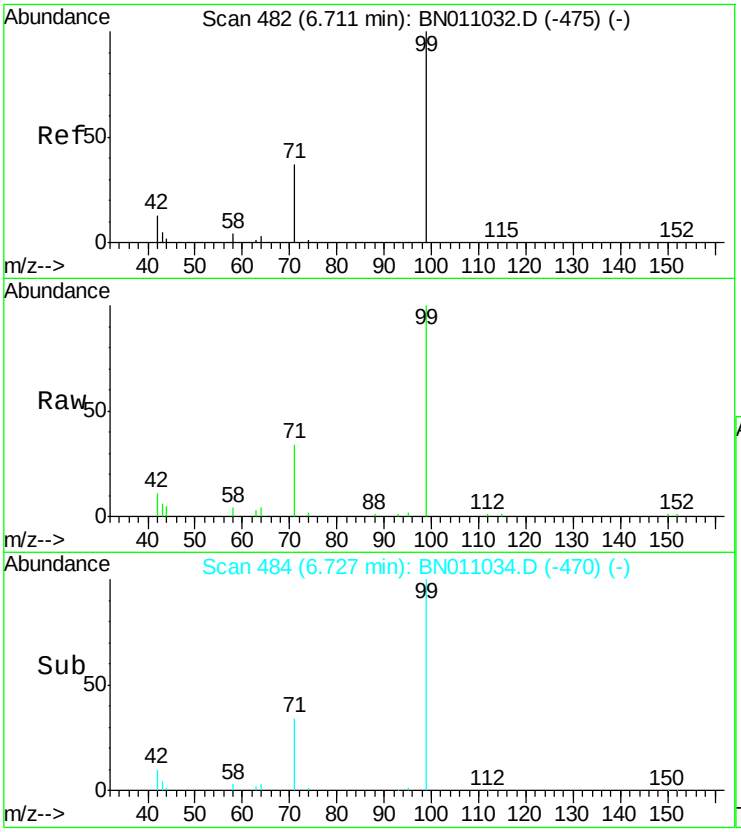


#4
2-Fluorophenol
Concen: 2.377 ng
RT: 5.19 min Scan# 293
Delta R.T. 0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:112 Resp: 12551

Ion	Ratio	Lower	Upper
112	100		
64	46.4	37.3	55.9
63	25.2	20.4	30.6



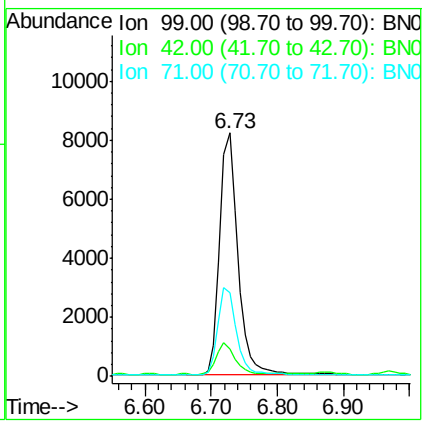


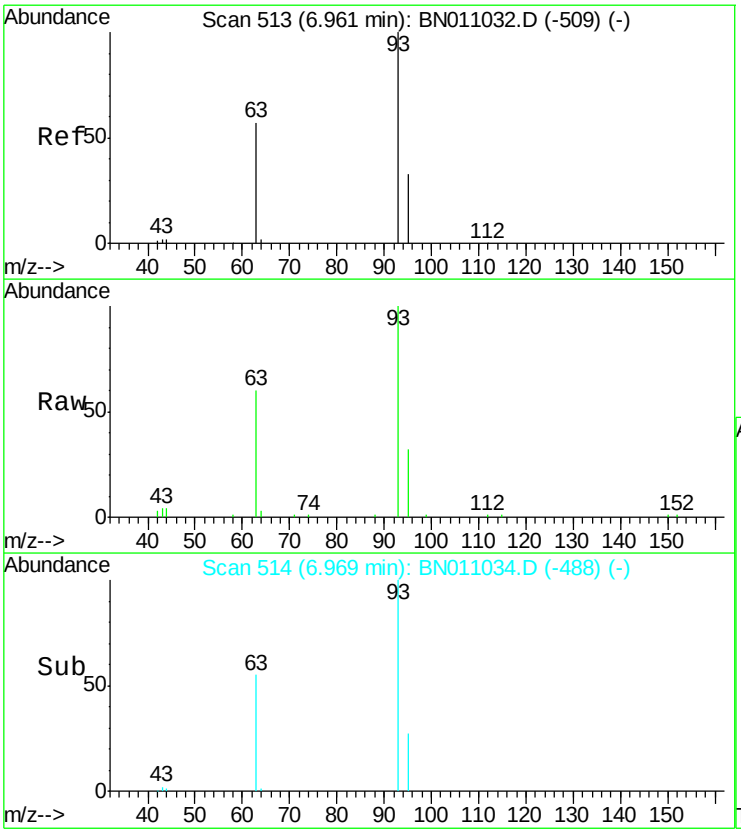
#5
Phenol-d6
Concen: 2.461 ng
RT: 6.73 min Scan# 484
Delta R.T. 0.02 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 15729

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.6	16.0
71	36.4	28.7	43.1

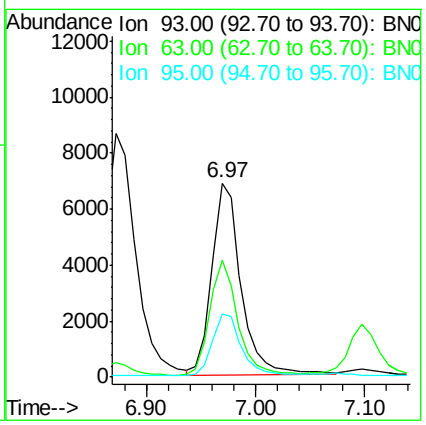


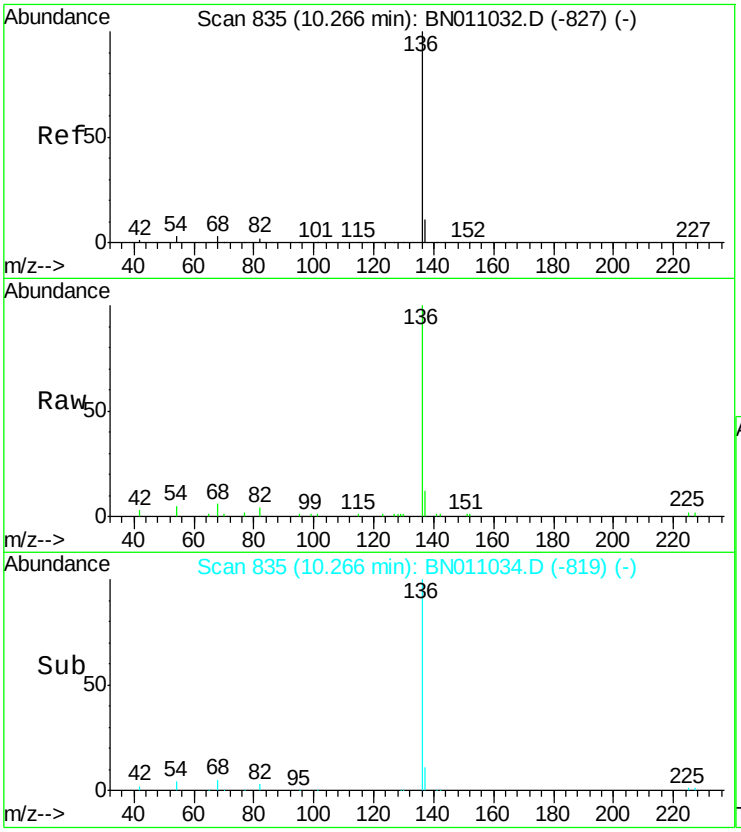


#6
bis(2-Chloroethyl)ether
Concen: 2.078 ng
RT: 6.97 min Scan# 514
Delta R.T. 0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion: 93 Resp: 12835

Ion	Ratio	Lower	Upper
93	100		
63	56.6	43.7	65.5
95	31.7	25.3	37.9



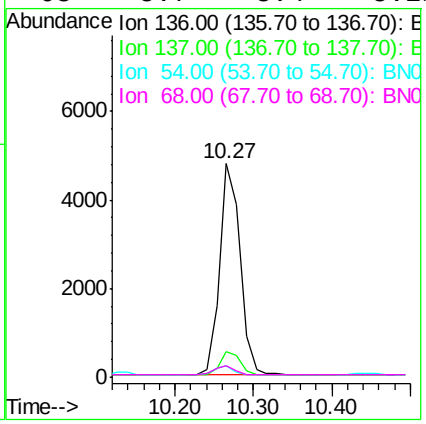


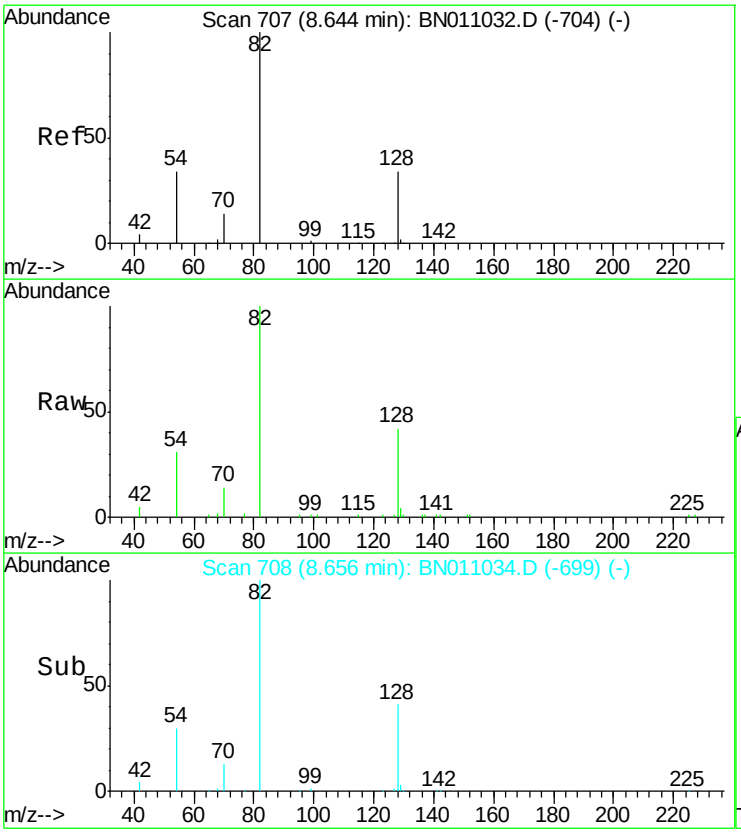
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.27 min Scan# 835
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 8678

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	5.4	3.0	4.4#
68	5.7	3.4	5.2#

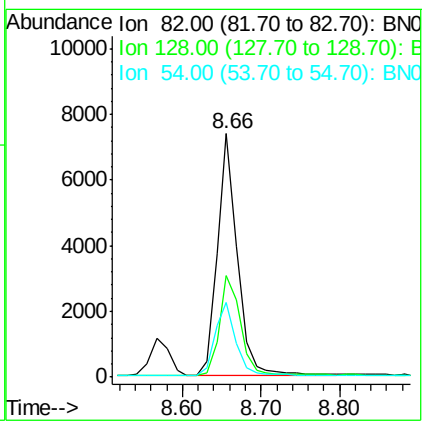


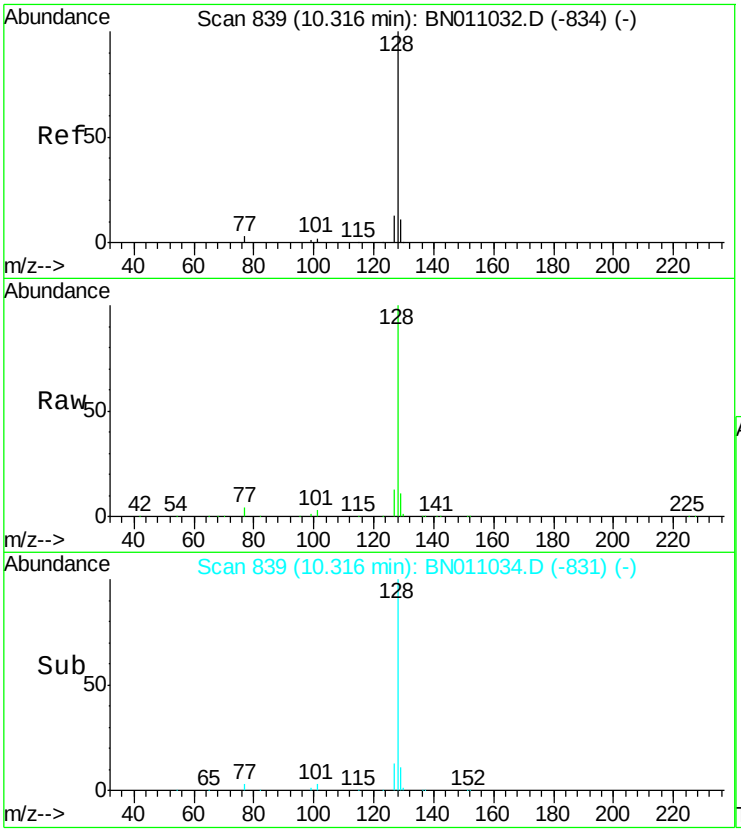


#8
Nitrobenzene-d5
Concen: 2.072 ng
RT: 8.66 min Scan# 708
Delta R.T. 0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion: 82 Resp: 12982

Ion	Ratio	Lower	Upper
82	100		
128	41.9	29.4	44.2
54	30.7	28.8	43.2



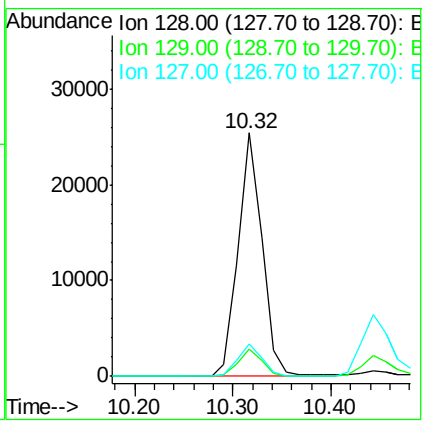


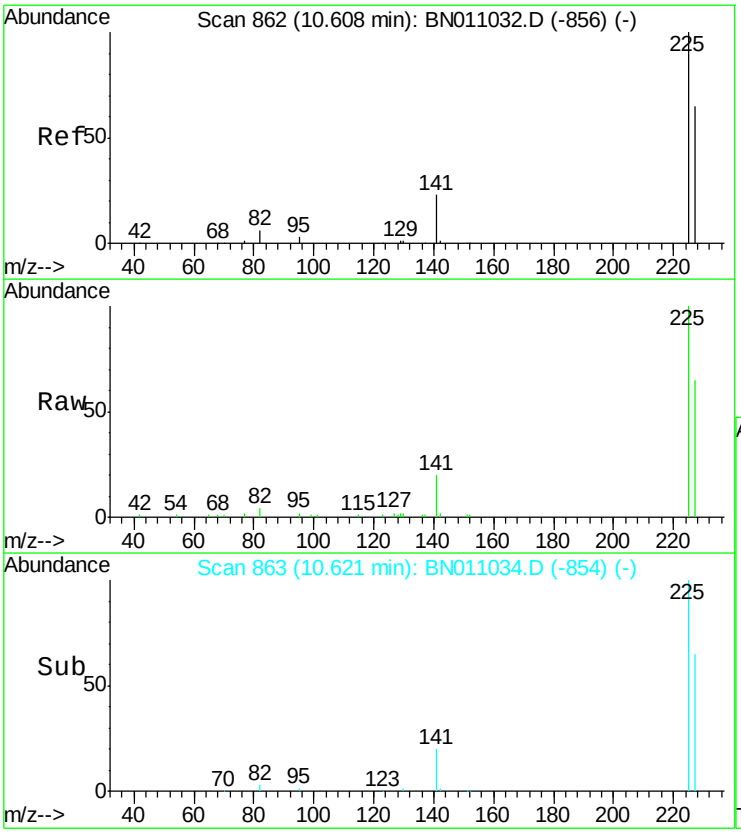
#9
Naphthalene
Concen: 1.982 ng
RT: 10.32 min Scan# 839
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 42618

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.6
127	13.4	10.9	16.3

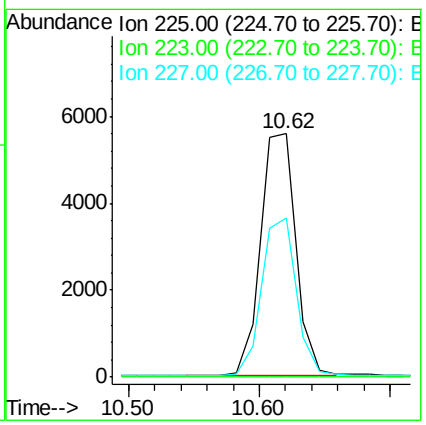


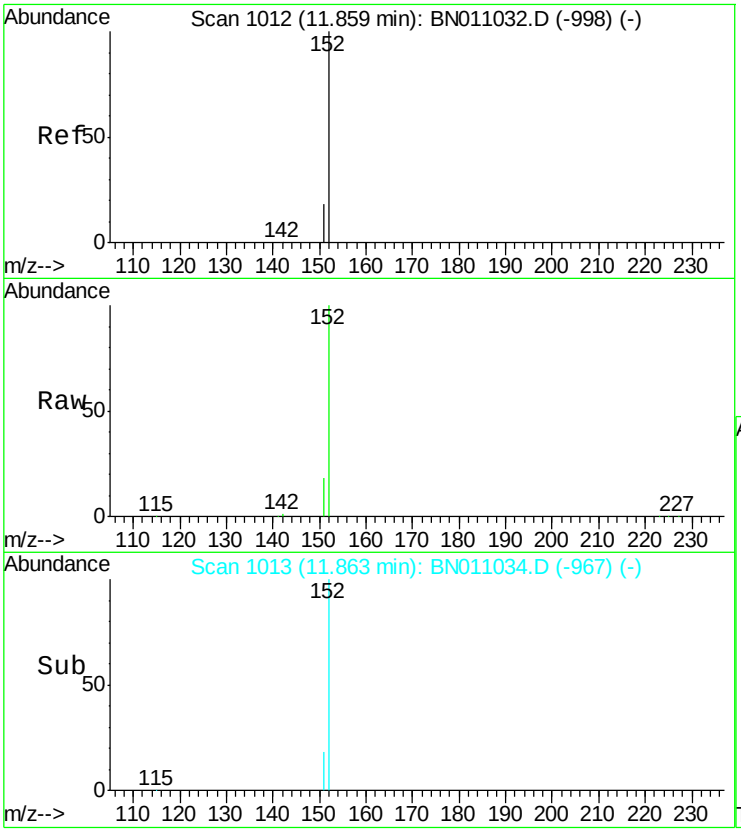


#10
Hexachlorobutadiene
Concen: 1.968 ng
RT: 10.62 min Scan# 863
Delta R.T. 0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:225 Resp: 10343

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.7	77.5



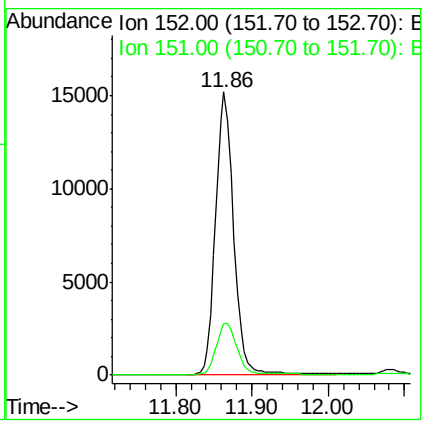


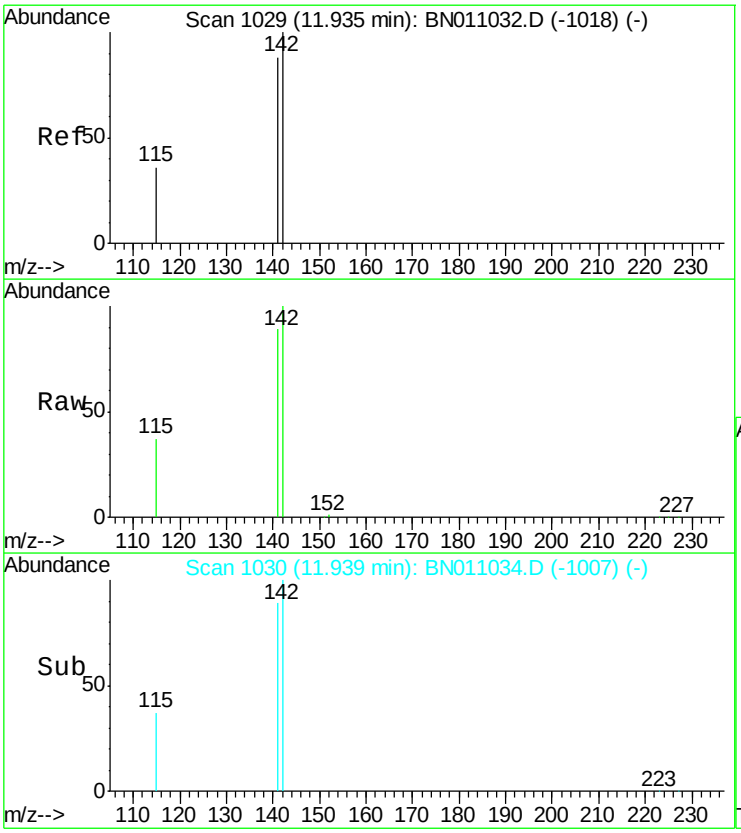
#11
2-Methylnaphthalene-d10
Concen: 1.832 ng
RT: 11.86 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 24709

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4

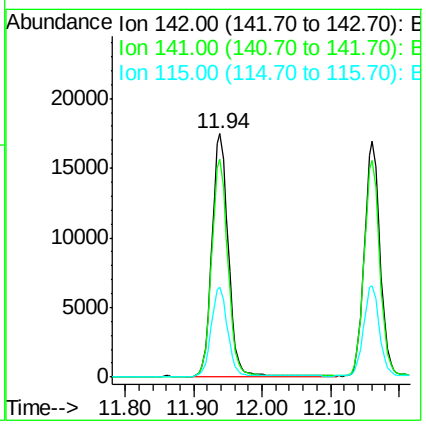


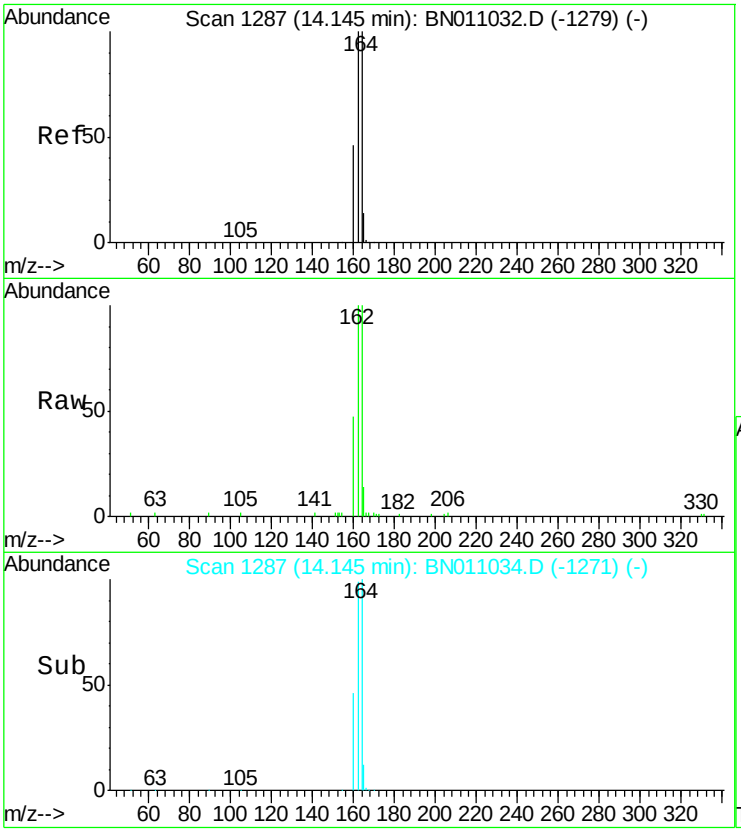


#12
2-Methylnaphthalene
Concen: 1.944 ng
RT: 11.94 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:142 Resp: 28762

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.6	106.0
115	37.0	30.2	45.2



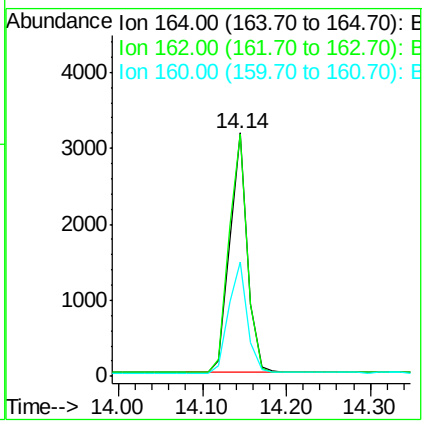


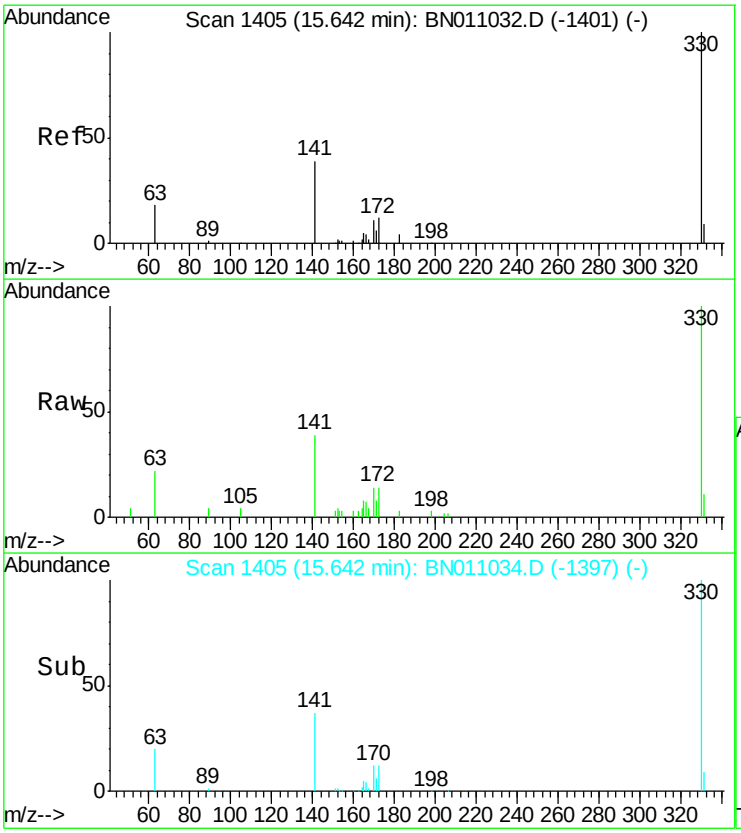
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.14 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 4647

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.2	120.4
160	47.1	37.7	56.5

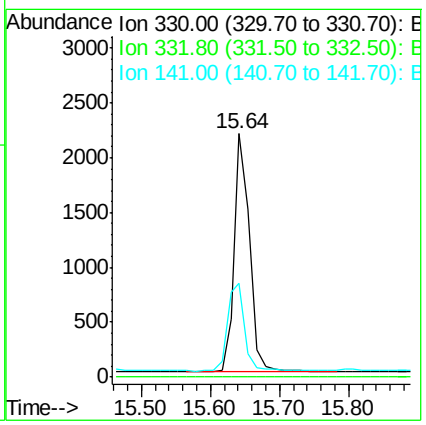


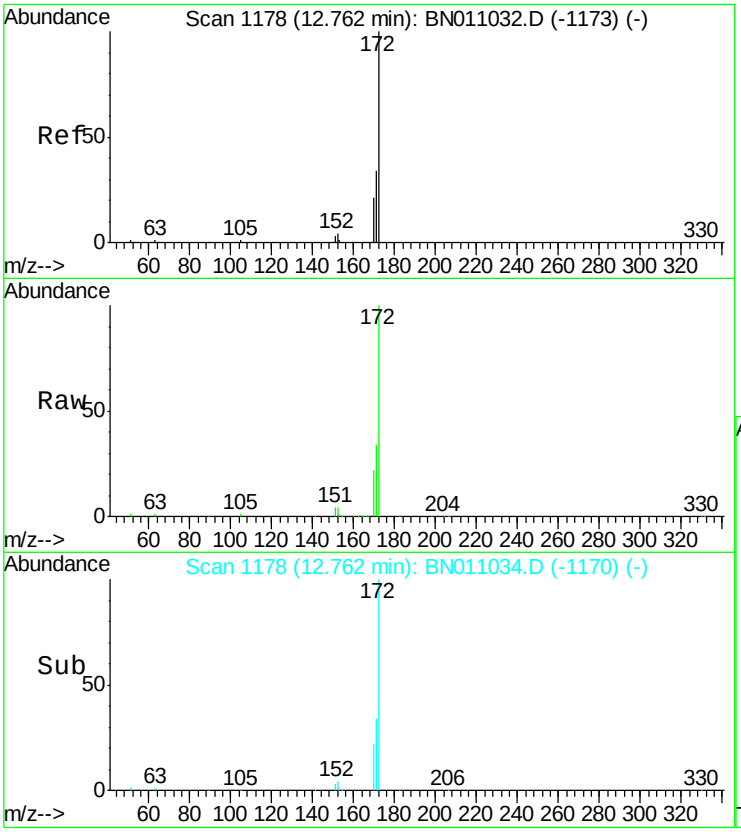


#14
2,4,6-Tribromophenol
Concen: 2.077 ng
RT: 15.64 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:330 Resp: 3439

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.2	34.5	51.7



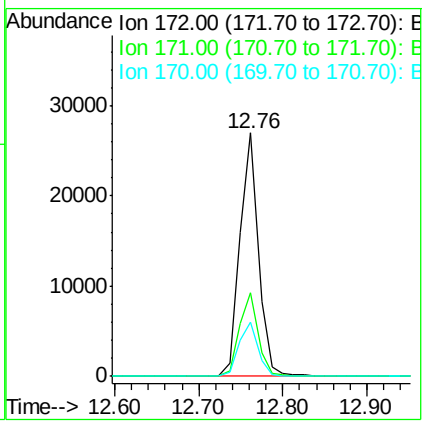


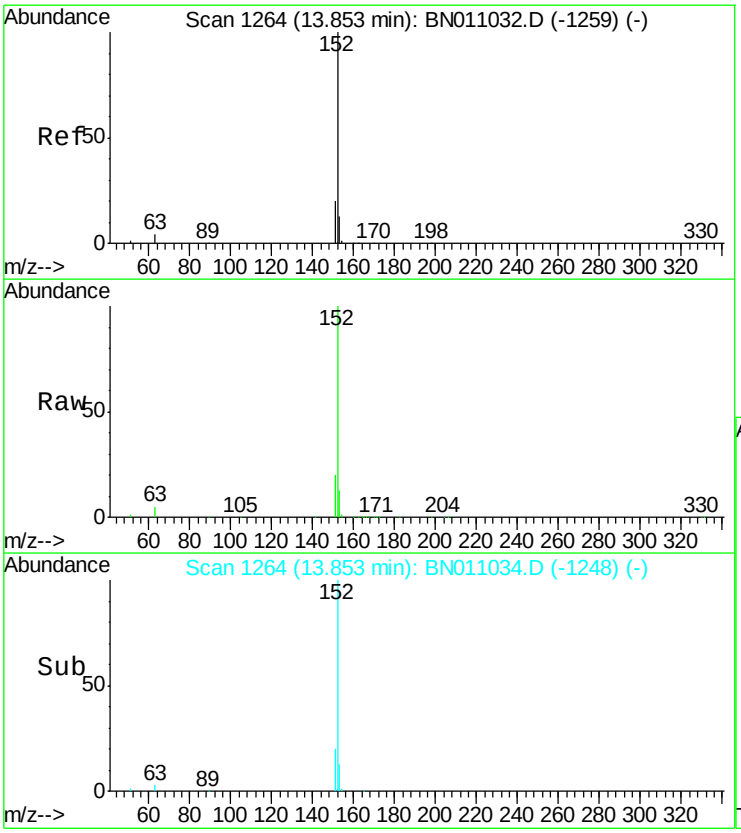
#15
2-Fluorobiphenyl
Concen: 2.326 ng
RT: 12.76 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 41135

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.2
170	22.0	17.5	26.3

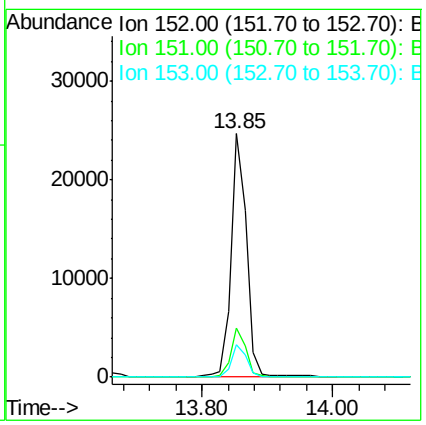


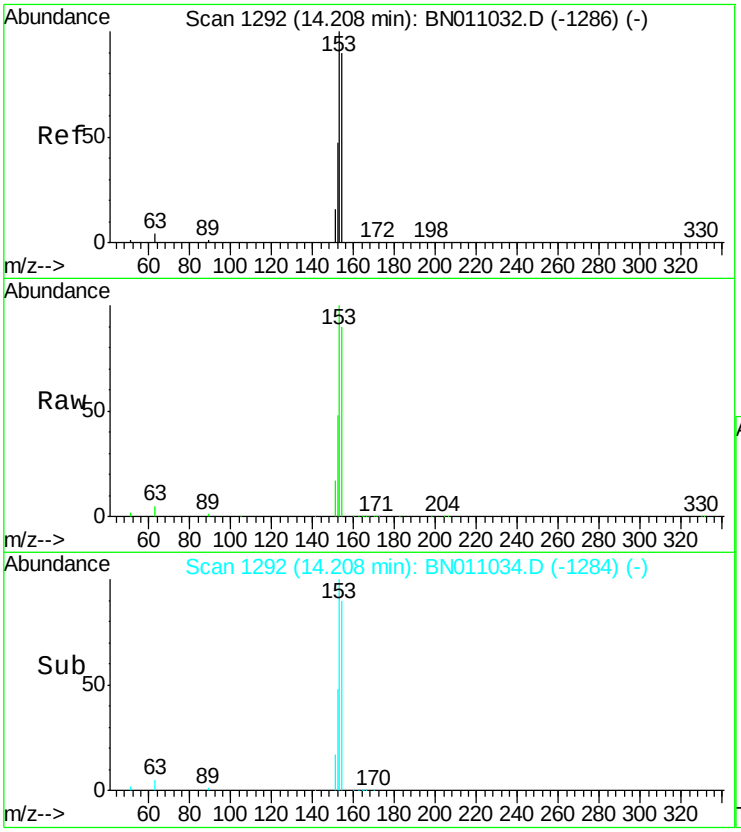


#16
Acenaphthylene
Concen: 2.107 ng
RT: 13.85 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:152 Resp: 39698

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.0	10.2	15.2



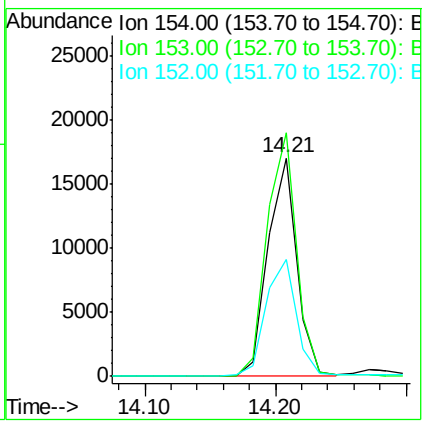


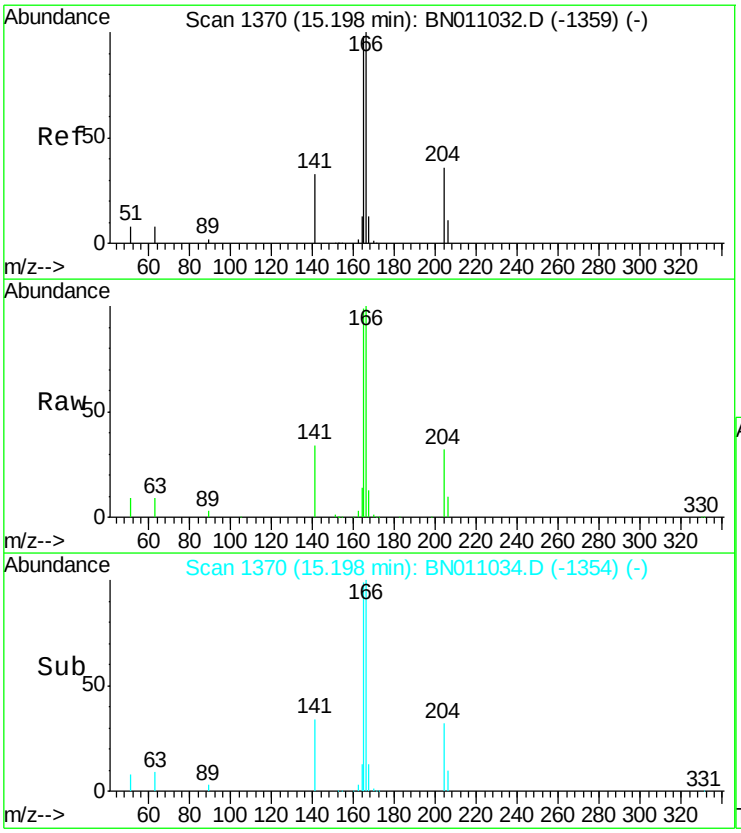
#17
Acenaphthene
Concen: 2.006 ng
RT: 14.21 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 25773

Ion	Ratio	Lower	Upper
154	100		
153	114.5	92.3	138.5
152	56.5	45.5	68.3

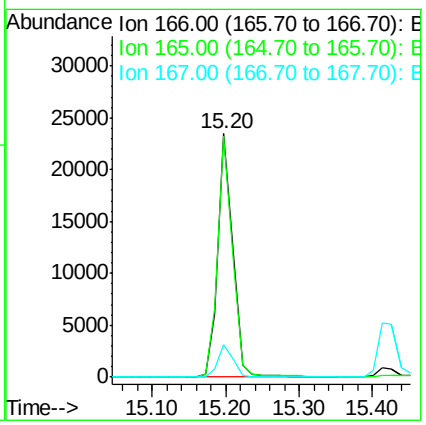


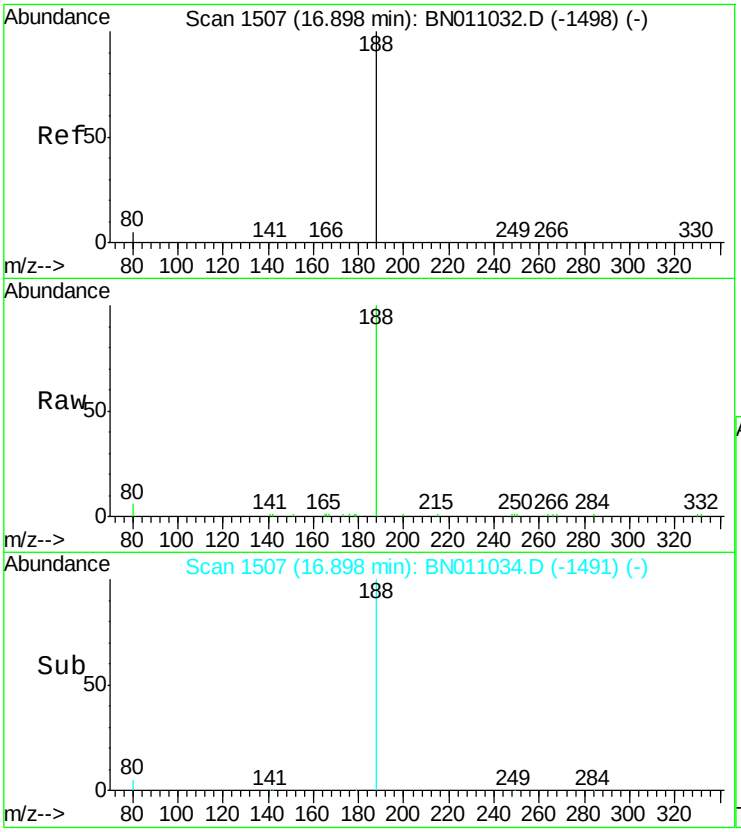


#18
Fluorene
Concen: 1.951 ng
RT: 15.20 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:166 Resp: 32537

Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.8	116.8
167	13.5	10.8	16.2



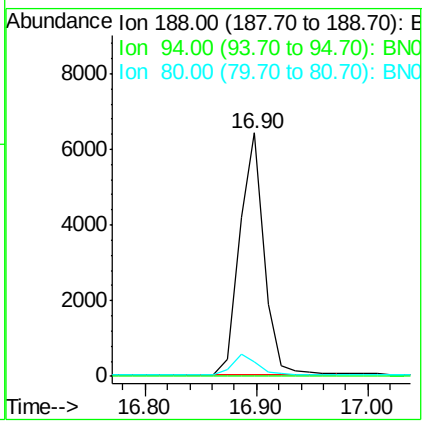


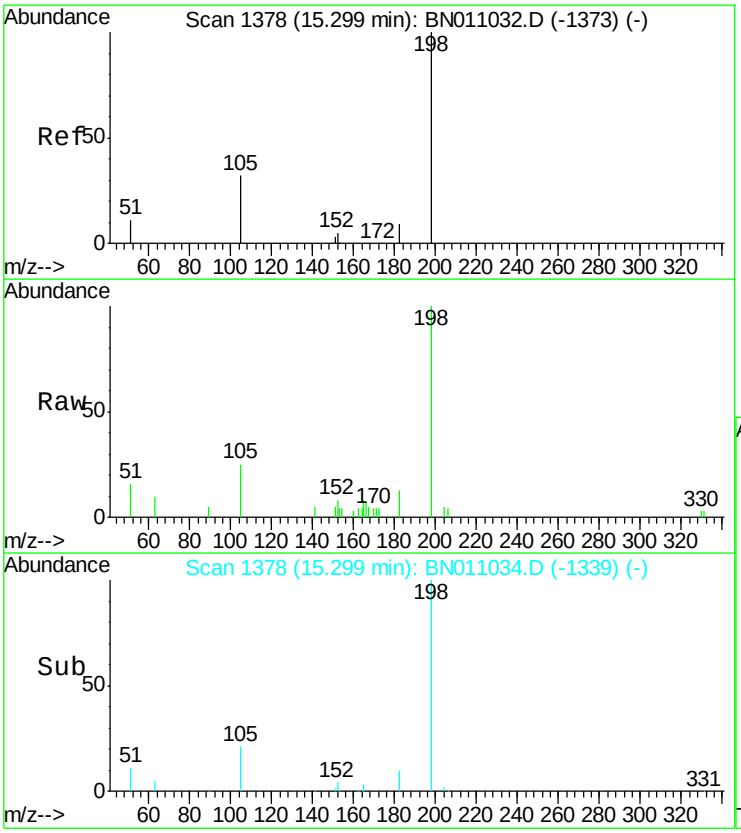
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.90 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 9672

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	4.6	7.0

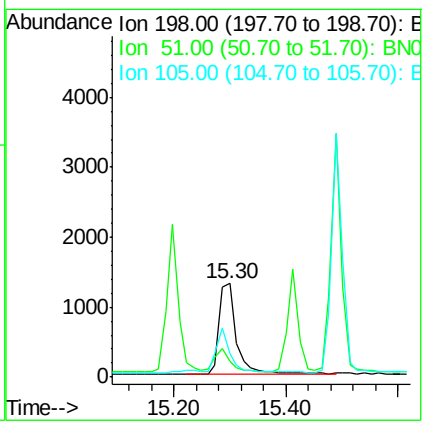


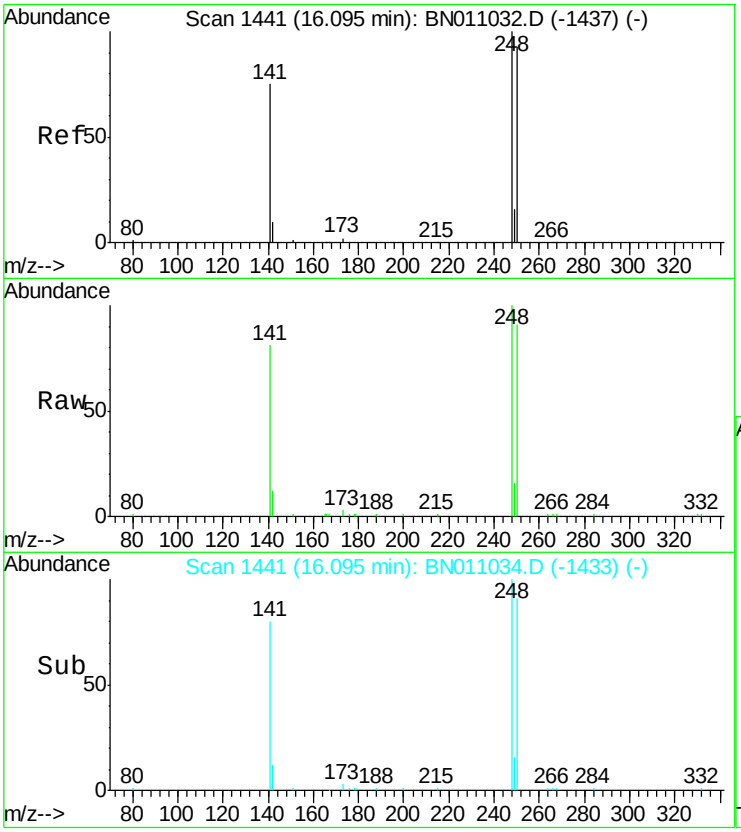


#20
4,6-Dinitro-2-methylphenol
Concen: 2.316 ng
RT: 15.30 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:198 Resp: 2705

Ion	Ratio	Lower	Upper
198	100		
51	16.2	29.5	44.3#
105	24.7	39.2	58.8#



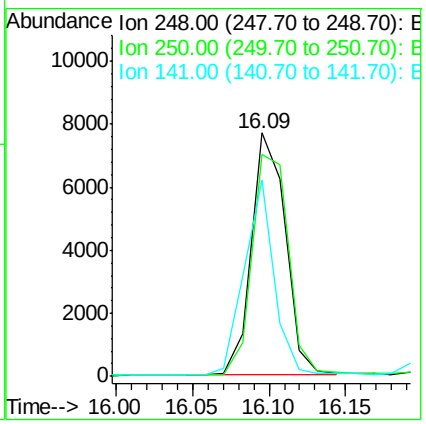


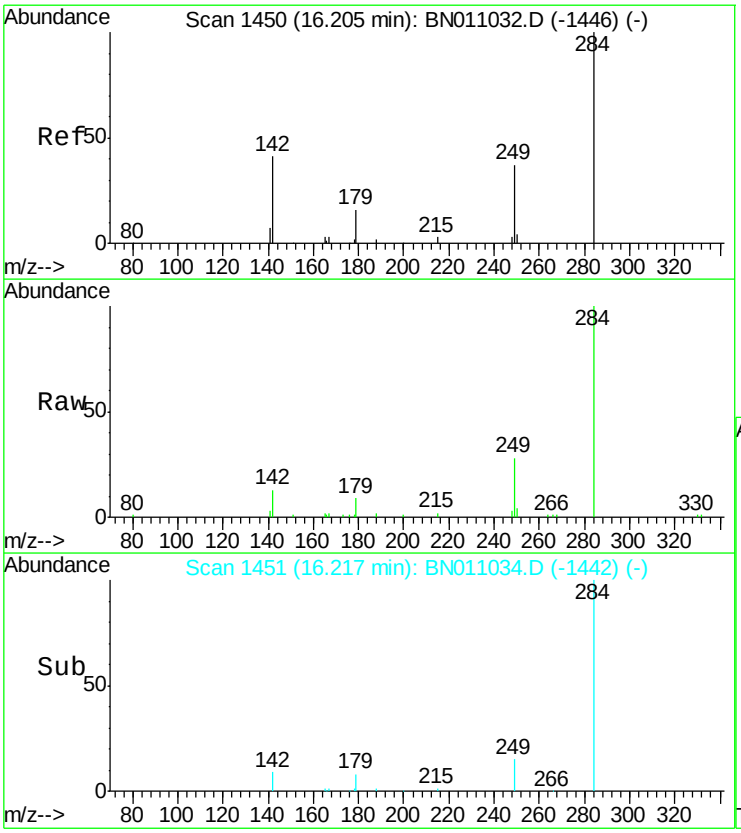
#21
4-Bromophenyl-phenylether
Concen: 2.128 ng
RT: 16.09 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 11852

Ion	Ratio	Lower	Upper
248	100		
250	90.9	74.6	111.8
141	80.6	60.9	91.3

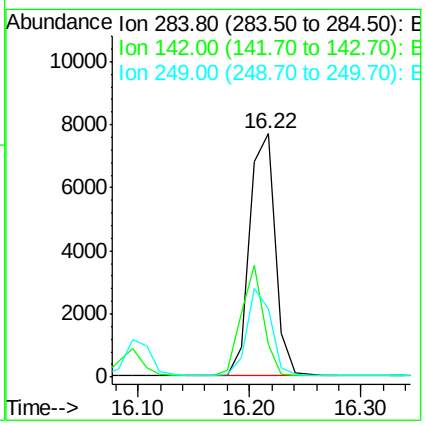


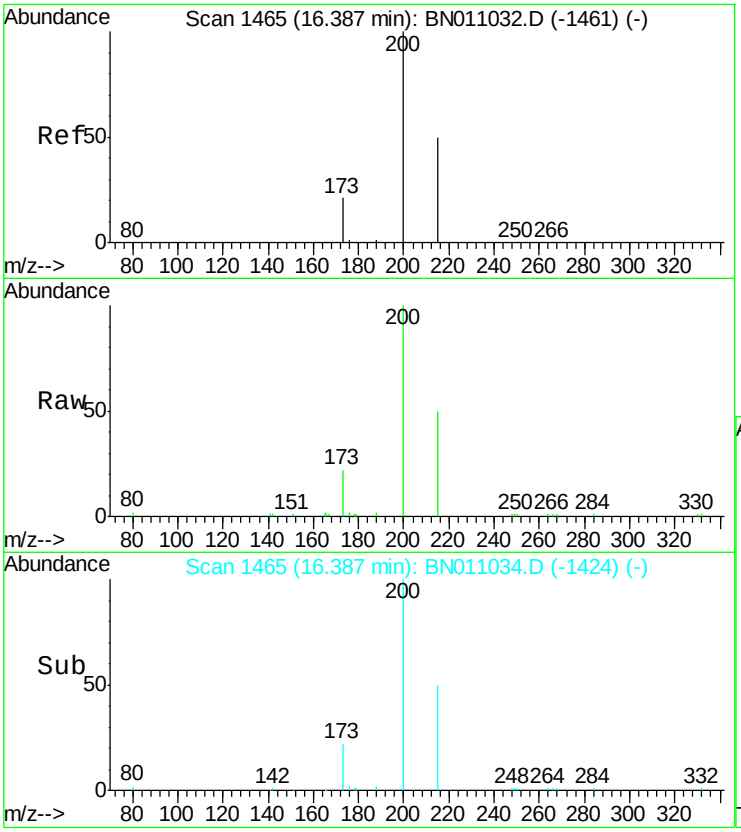


#22
Hexachlorobenzene
Concen: 2.087 ng
RT: 16.22 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:284 Resp: 12311

Ion	Ratio	Lower	Upper
284	100		
142	39.5	30.4	45.6
249	33.9	27.0	40.4



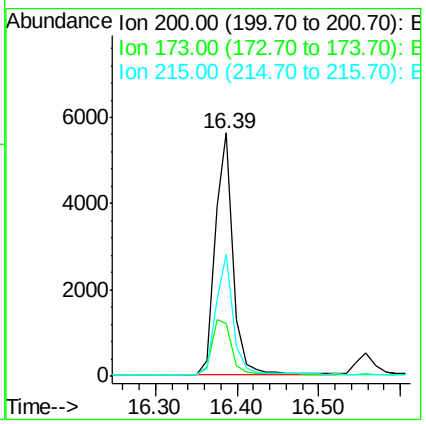


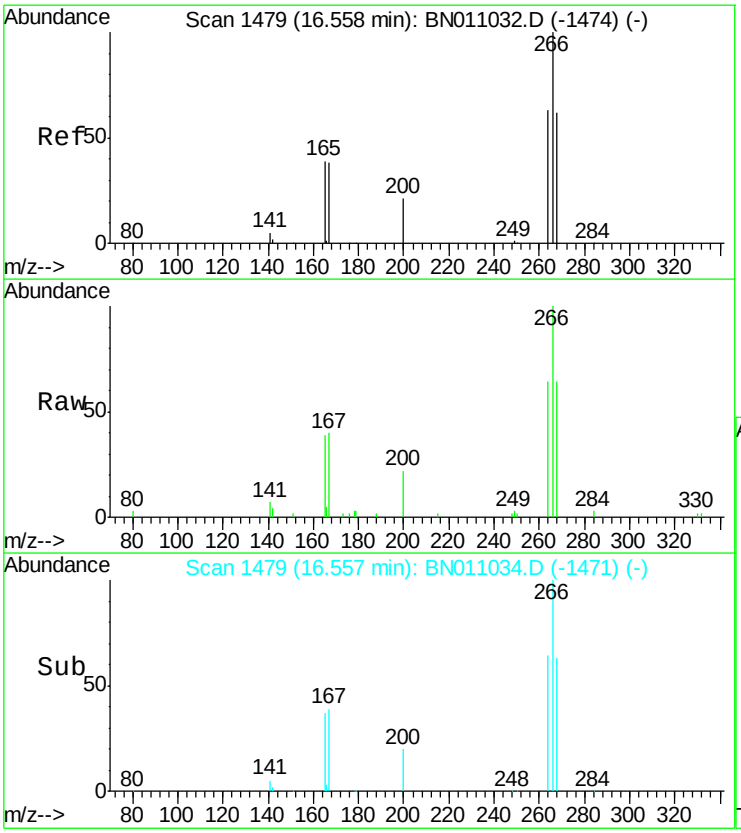
#23
Atrazine
Concen: 2.501 ng
RT: 16.39 min Scan# 1465
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 8540

Ion	Ratio	Lower	Upper
200	100		
173	21.5	19.4	29.2
215	49.9	41.5	62.3

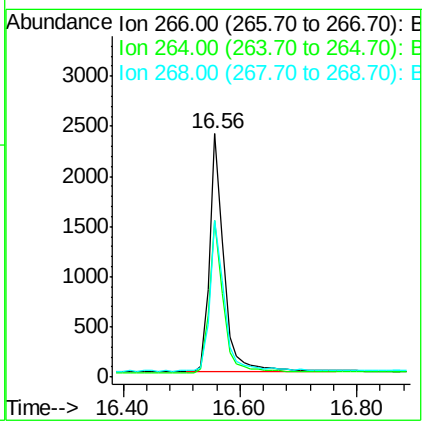


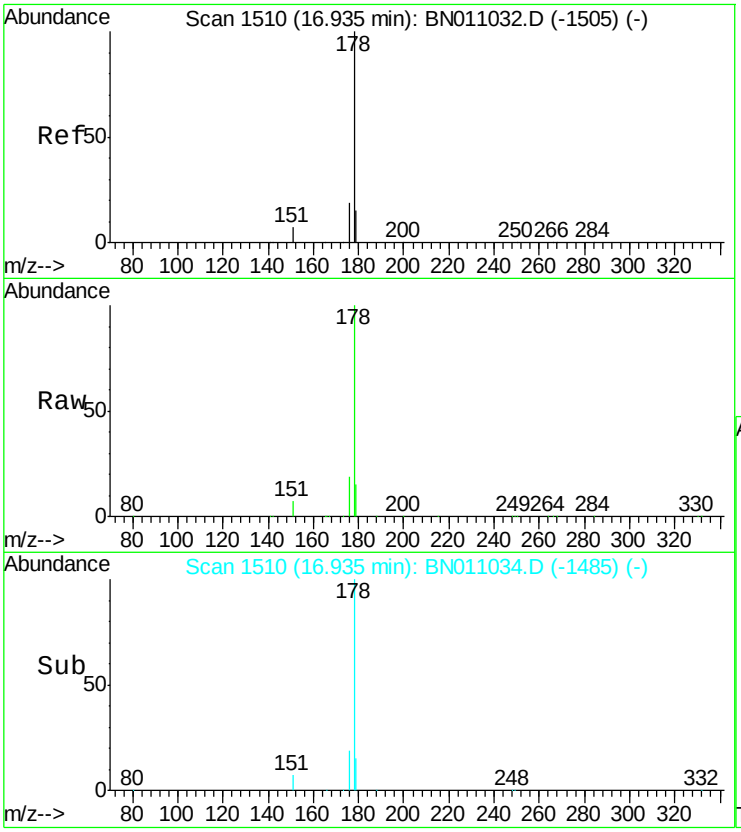


#24
Pentachlorophenol
Concen: 2.022 ng
RT: 16.56 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:266 Resp: 3998

Ion	Ratio	Lower	Upper
266	100		
264	63.3	51.4	77.0
268	63.5	54.9	82.3



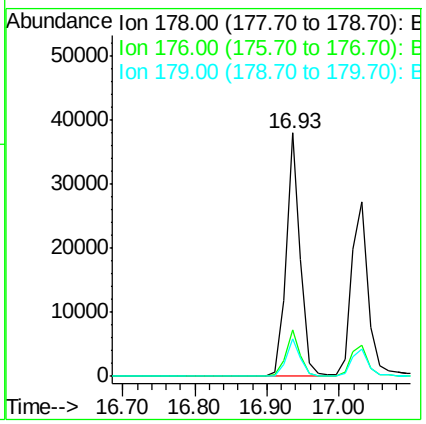


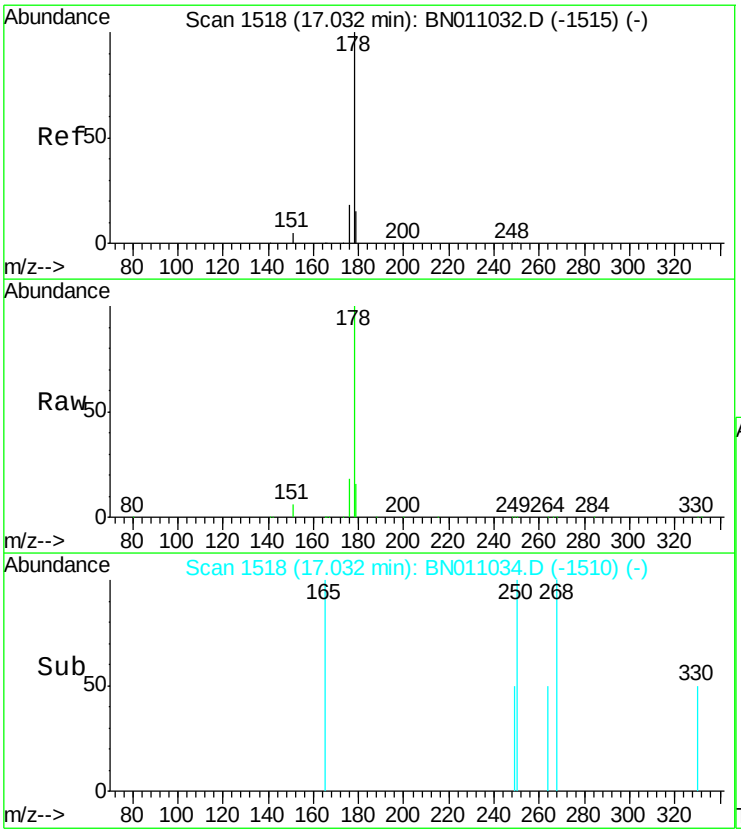
#25
Phenanthrene
Concen: 1.996 ng
RT: 16.93 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 52285

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.2	12.3	18.5

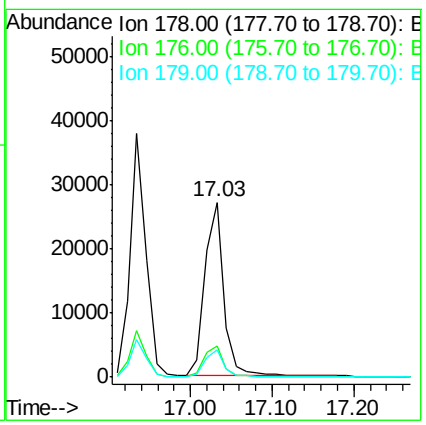


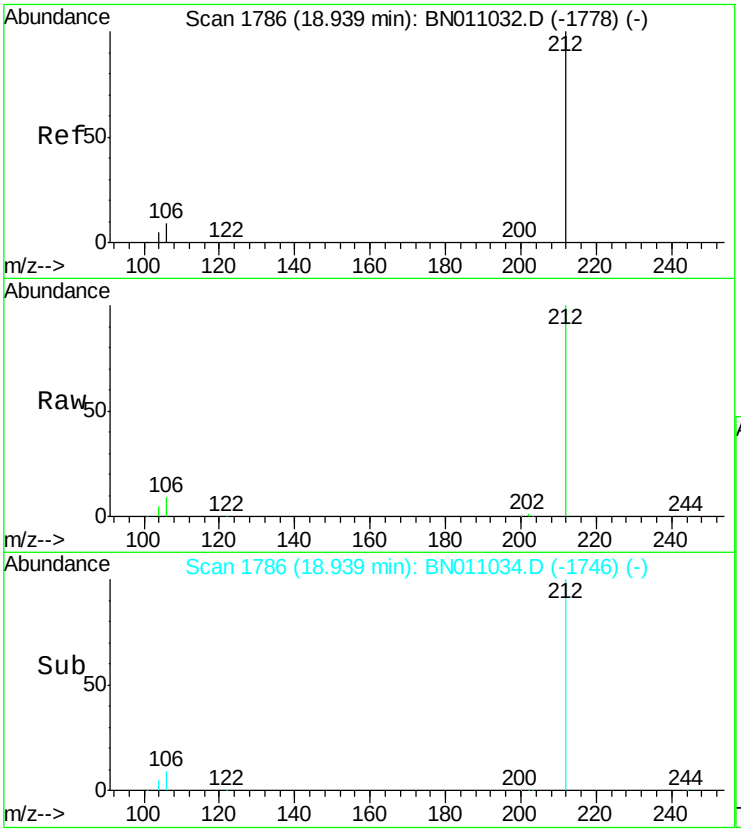


#26
Anthracene
Concen: 2.028 ng
RT: 17.03 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:178 Resp: 44154

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	12.2	18.4



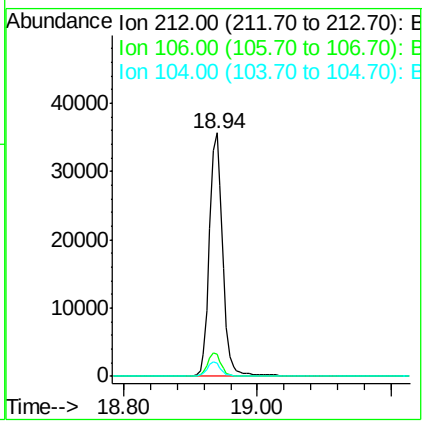


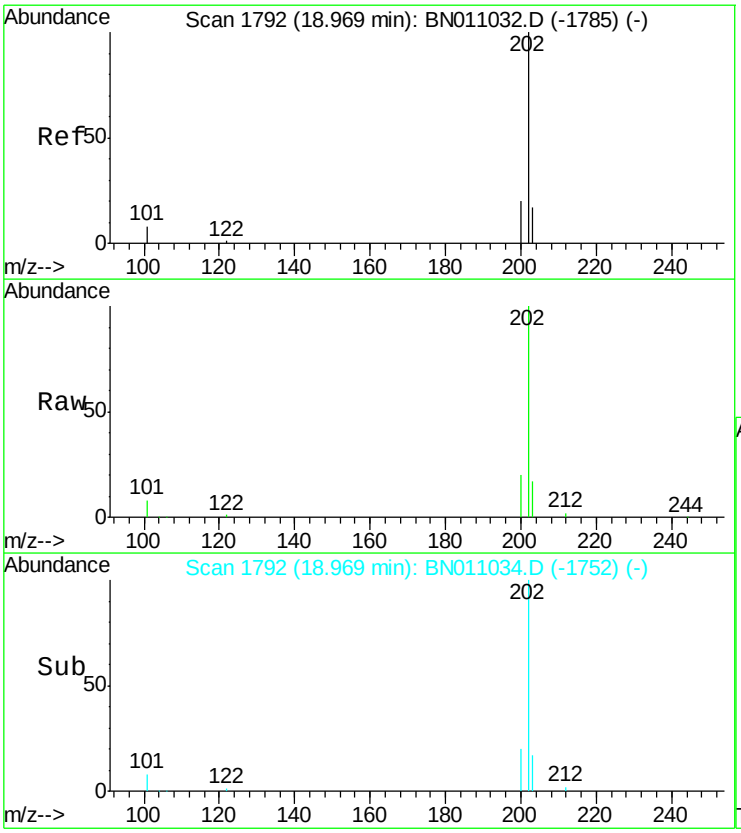
#27
Fluoranthene-d10
Concen: 1.921 ng
RT: 18.94 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 48774

Ion	Ratio	Lower	Upper
212	100		
106	9.7	7.7	11.5
104	5.6	4.6	6.8

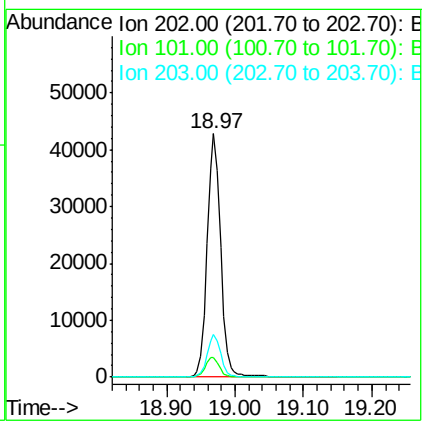


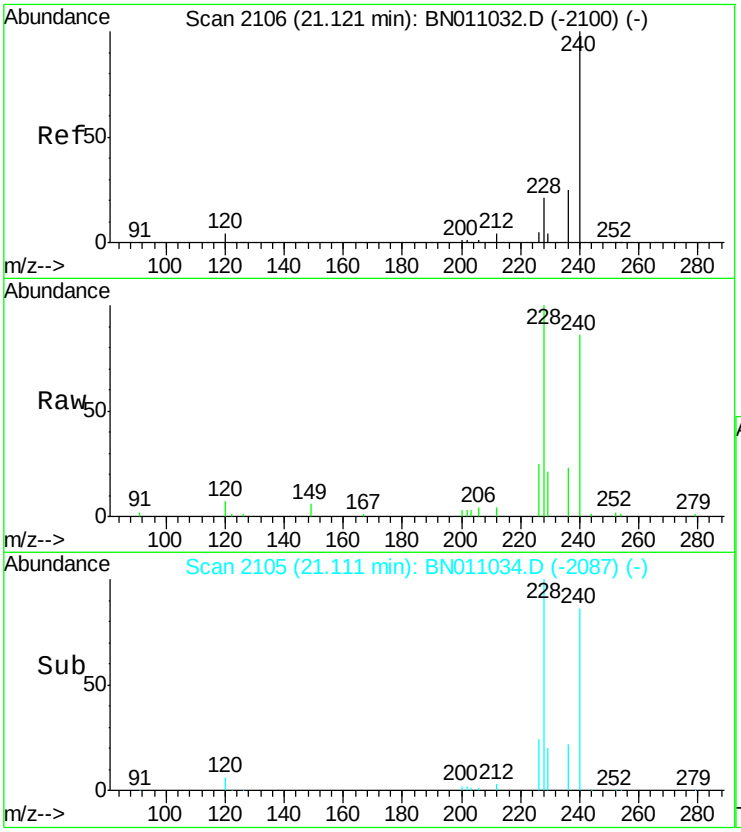


#28
Fluoranthene
Concen: 2.025 ng
RT: 18.97 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:202 Resp: 58889

Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.6	10.0
203	17.1	13.8	20.6



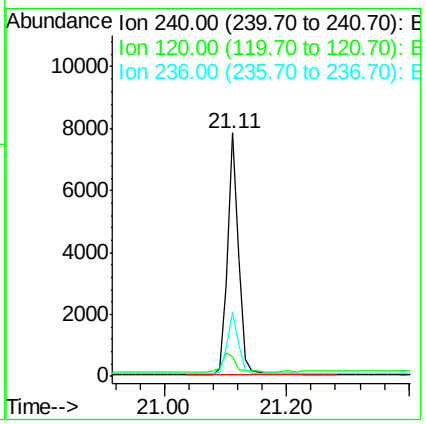


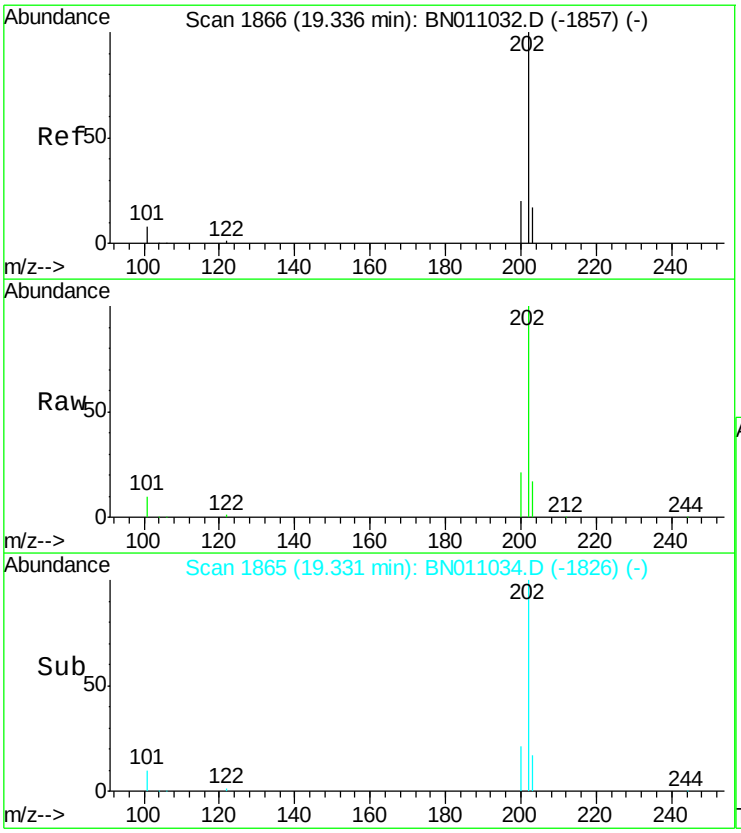
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 9985

Ion	Ratio	Lower	Upper
240	100		
120	8.3	5.4	8.0#
236	26.6	21.4	32.2

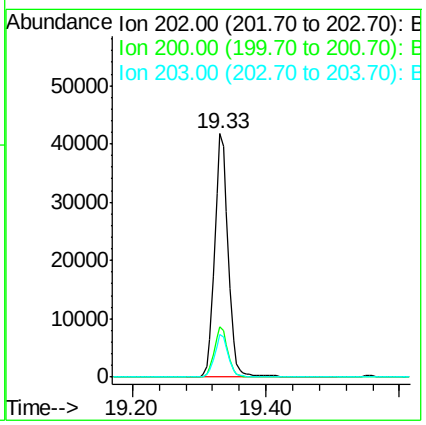


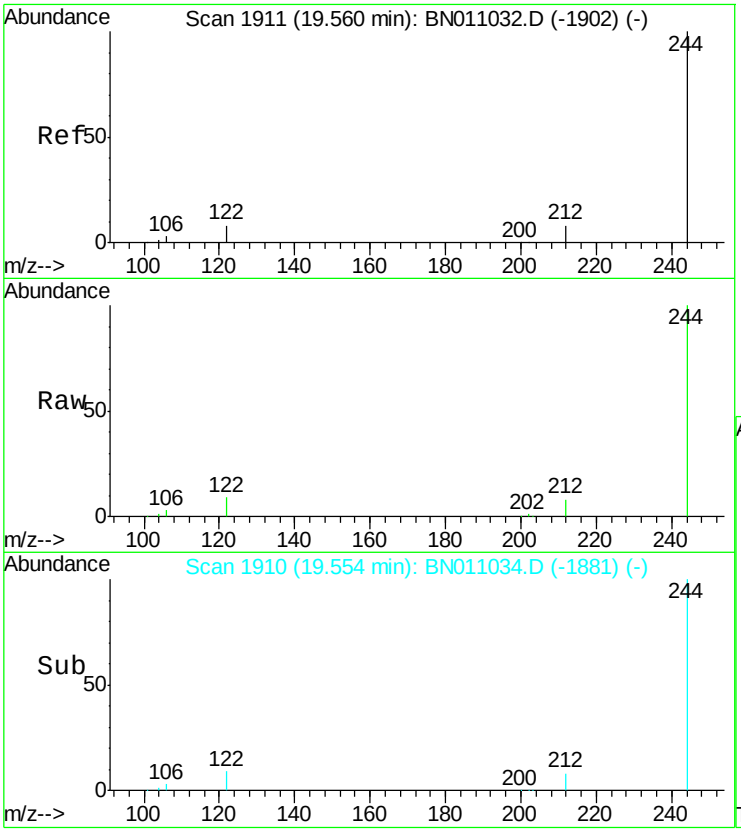


#30
Pyrene
Concen: 1.814 ng
RT: 19.33 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:202 Resp: 58238

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	17.4	14.2	21.2



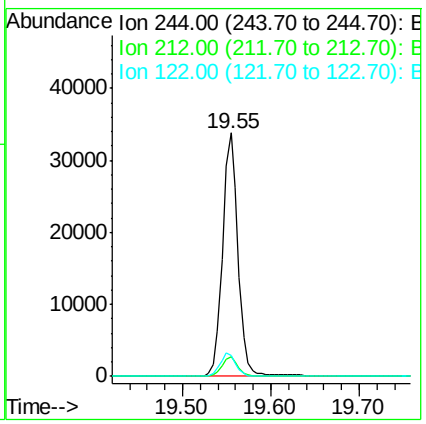


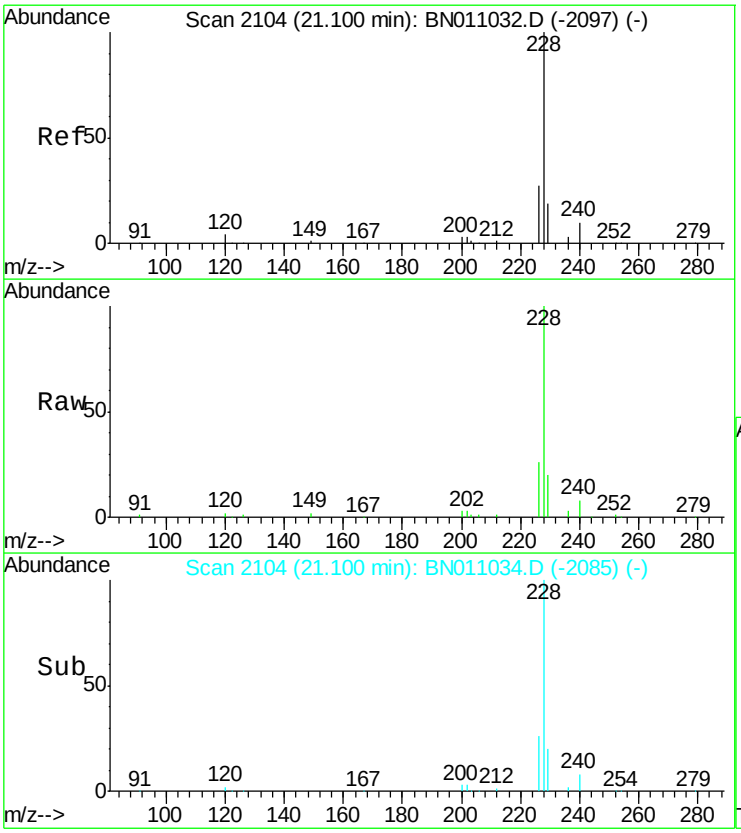
#31
Terphenyl-d14
Concen: 1.805 ng
RT: 19.55 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 41008

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.9	10.3
122	8.7	7.4	11.0

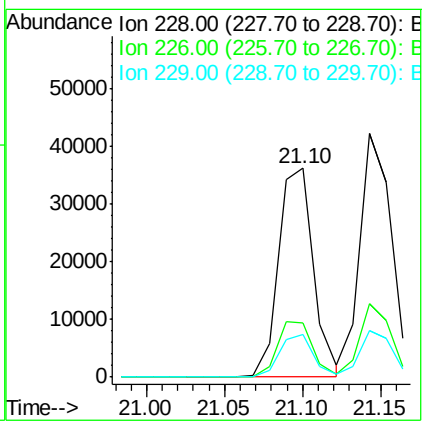


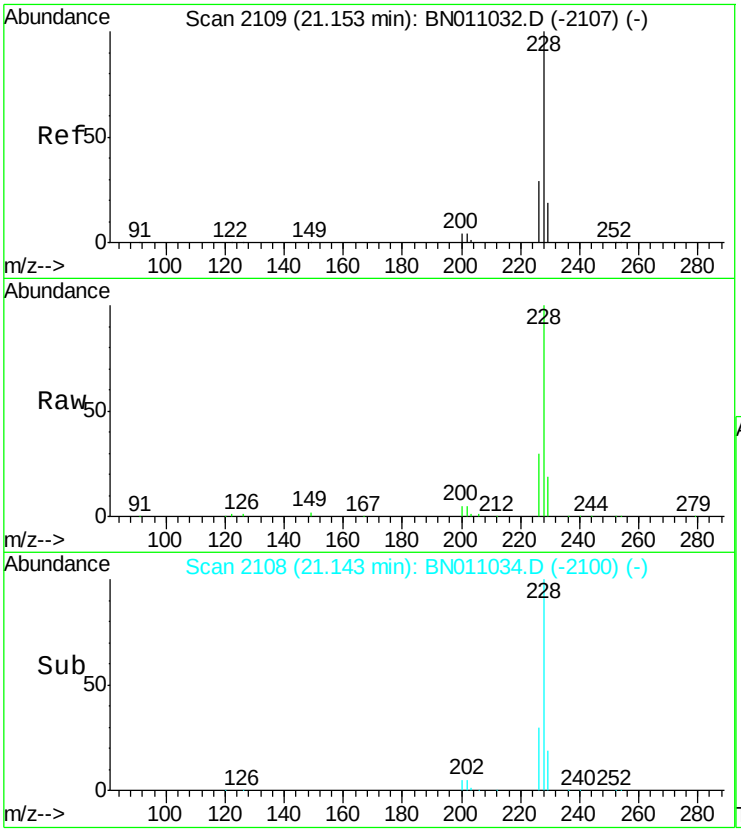


#32
Benzo(a)anthracene
Concen: 1.931 ng
RT: 21.10 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:228 Resp: 55731

Ion	Ratio	Lower	Upper
228	100		
226	25.8	22.0	33.0
229	20.2	15.9	23.9



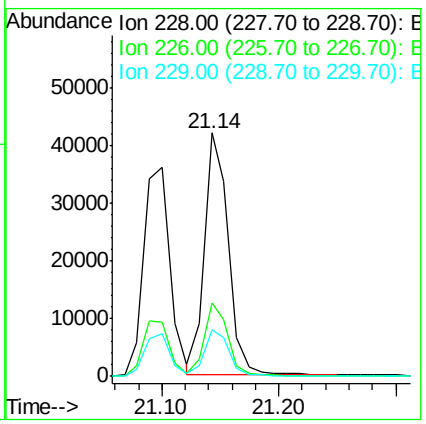


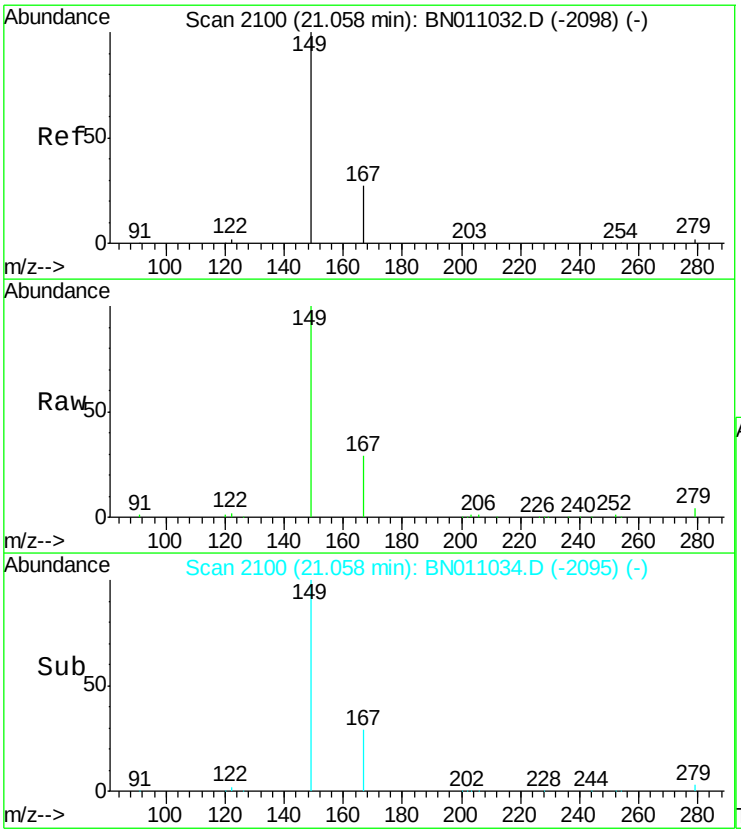
#33
Chrysene
Concen: 1.806 ng
RT: 21.14 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 59641

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	19.2	15.8	23.6

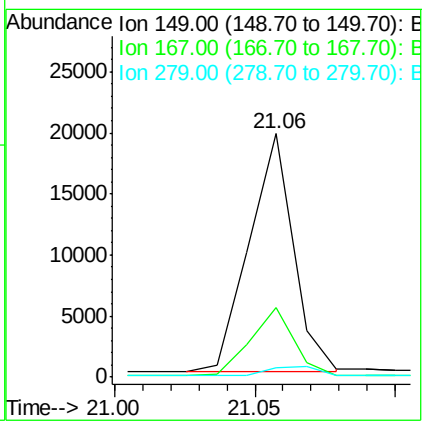


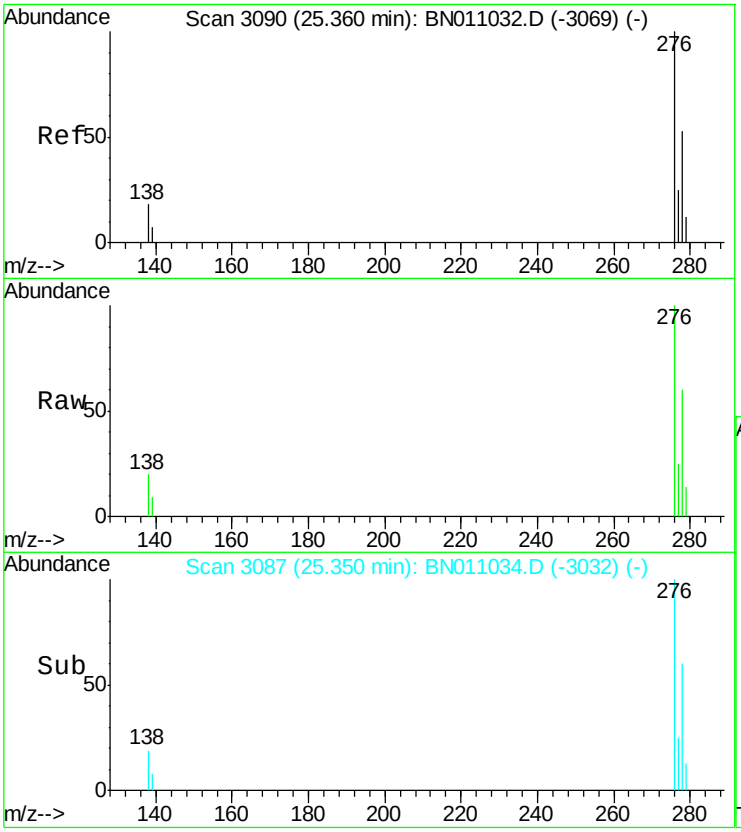


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.067 ng
RT: 21.06 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:149 Resp: 21185

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.2
279	4.7	3.9	5.9



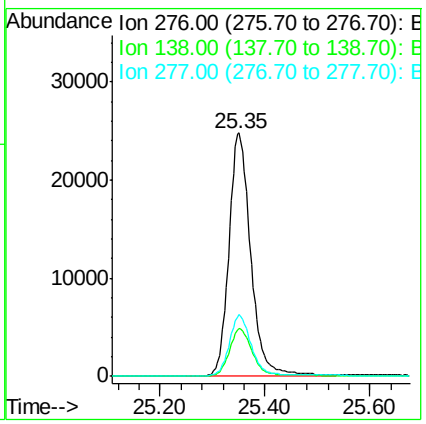


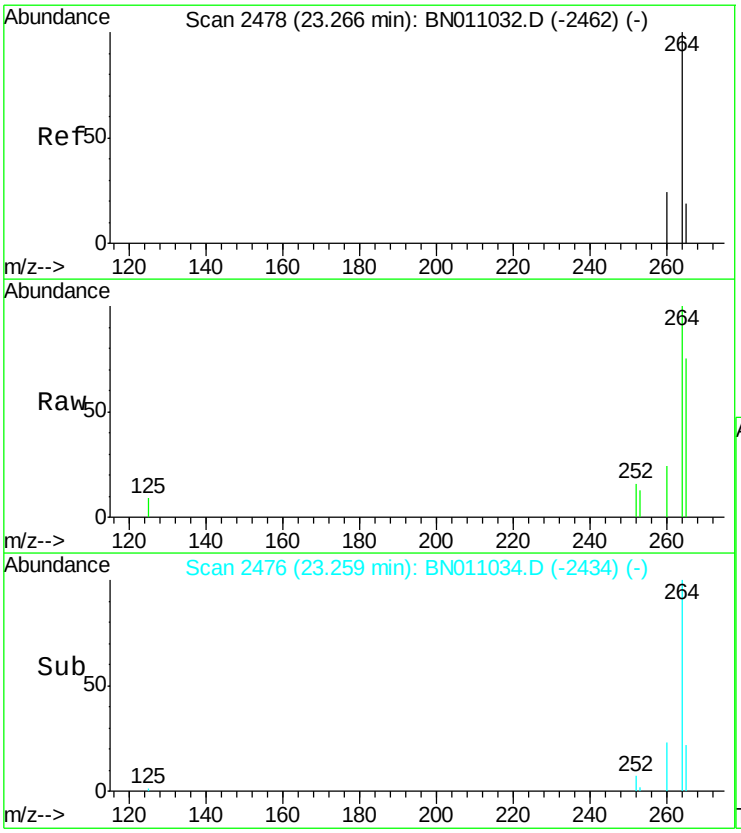
#35
Indeno(1,2,3-cd)pyrene
Concen: 1.951 ng
RT: 25.35 min Scan# 3087
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 71208

Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.2	24.2
277	24.8	19.9	29.9

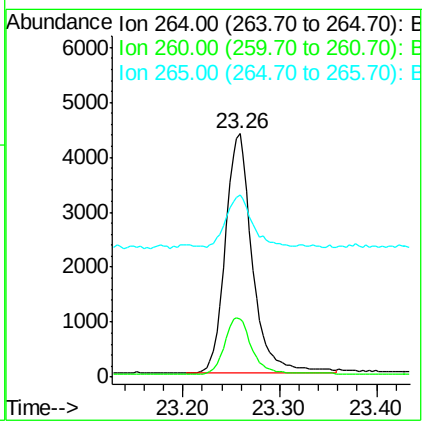


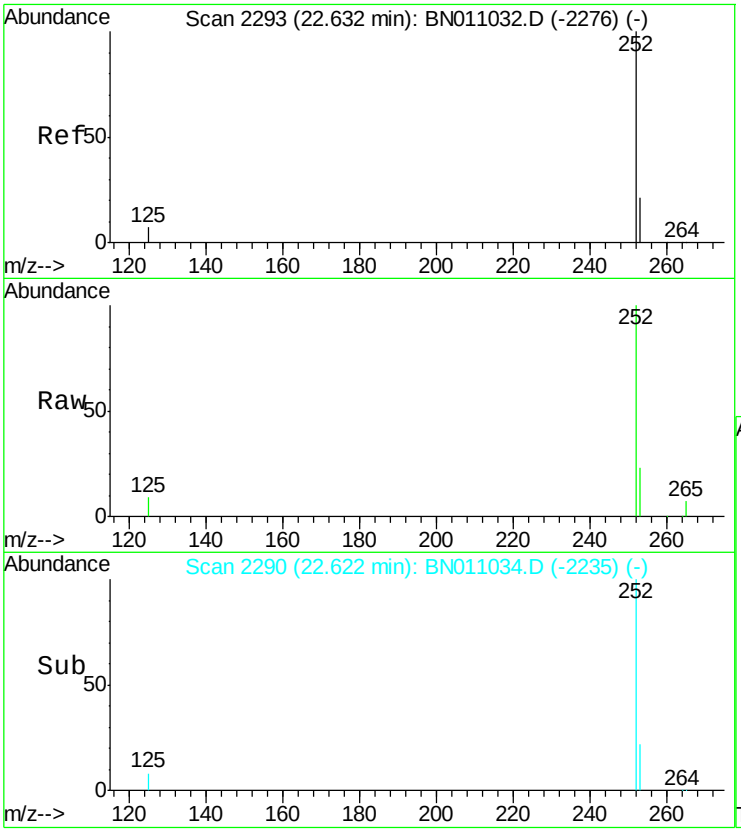


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.26 min Scan# 2476
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:264 Resp: 8443

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.0	30.0
265	74.6	64.9	97.3



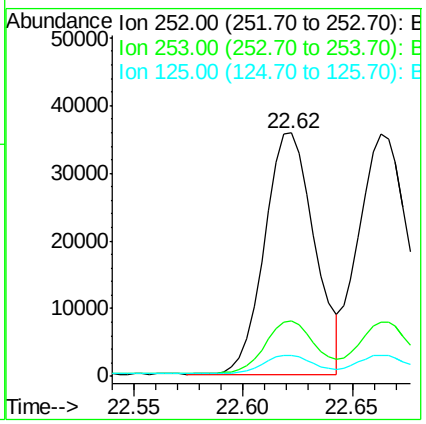


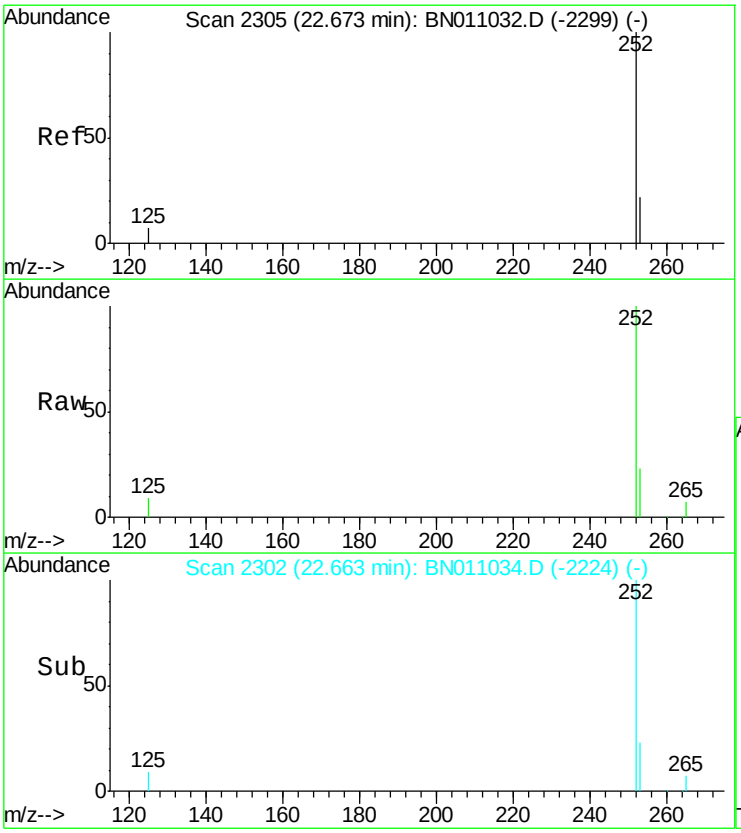
#37
Benzo(b)fluoranthene
Concen: 2.008 ng
RT: 22.62 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 56573

Ion	Ratio	Lower	Upper
252	100		
253	22.8	21.4	32.0
125	8.7	9.3	13.9#

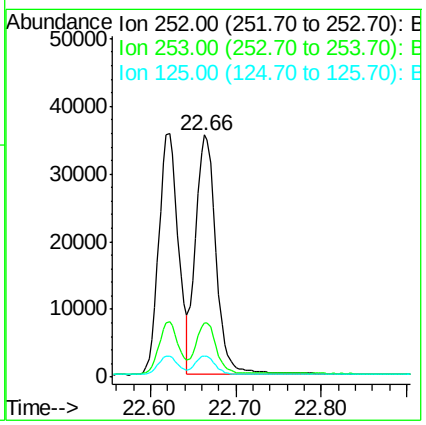


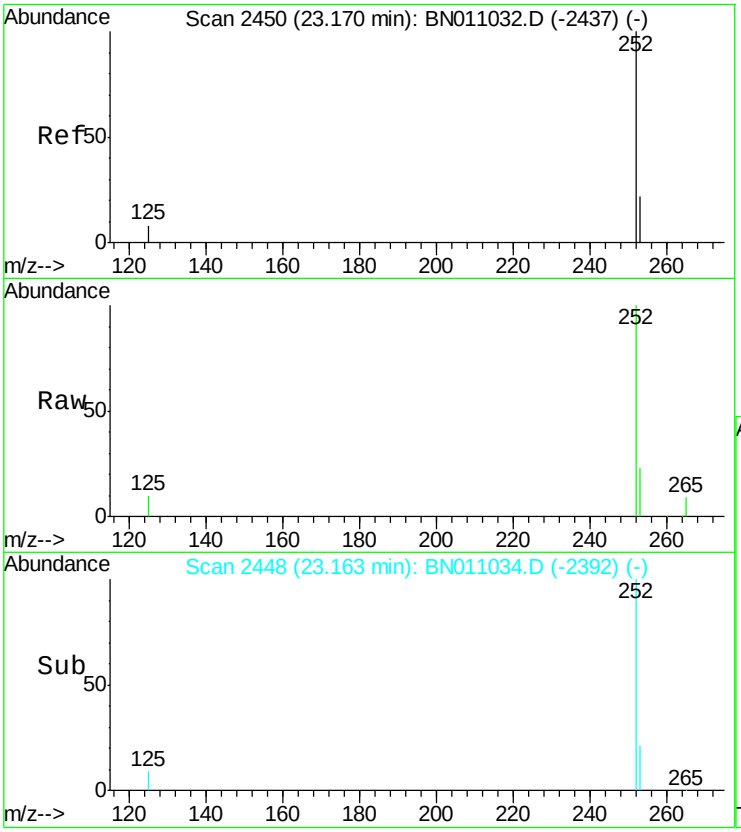


#38
Benzo(k)fluoranthene
Concen: 1.971 ng
RT: 22.66 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:252 Resp: 58768

Ion	Ratio	Lower	Upper
252	100		
253	22.7	21.8	32.6
125	8.9	9.8	14.6#



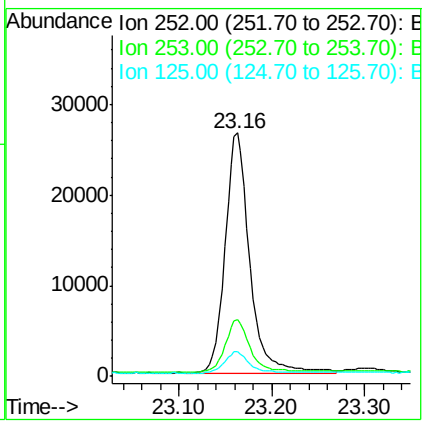


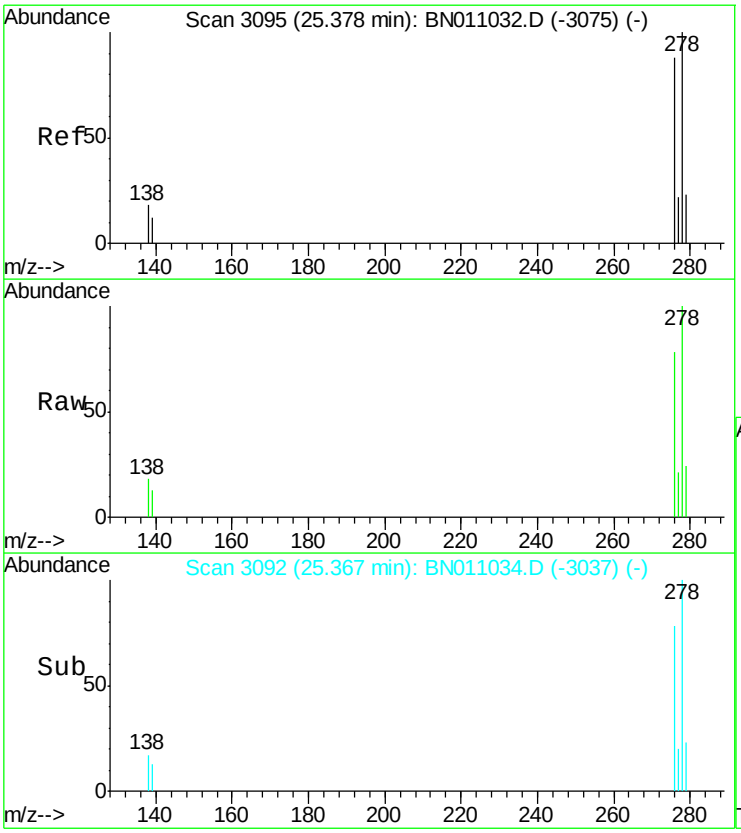
#39
Benzo(a)pyrene
Concen: 2.003 ng
RT: 23.16 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 48875

Ion	Ratio	Lower	Upper
252	100		
253	23.1	23.1	34.7#
125	9.9	11.2	16.8#

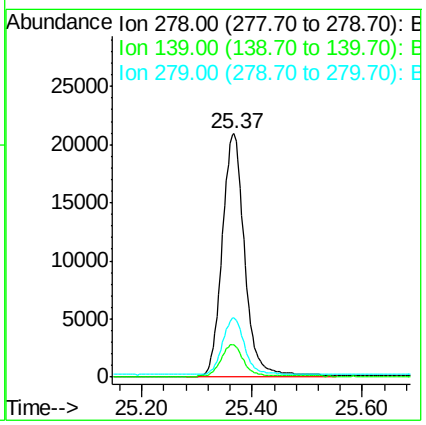


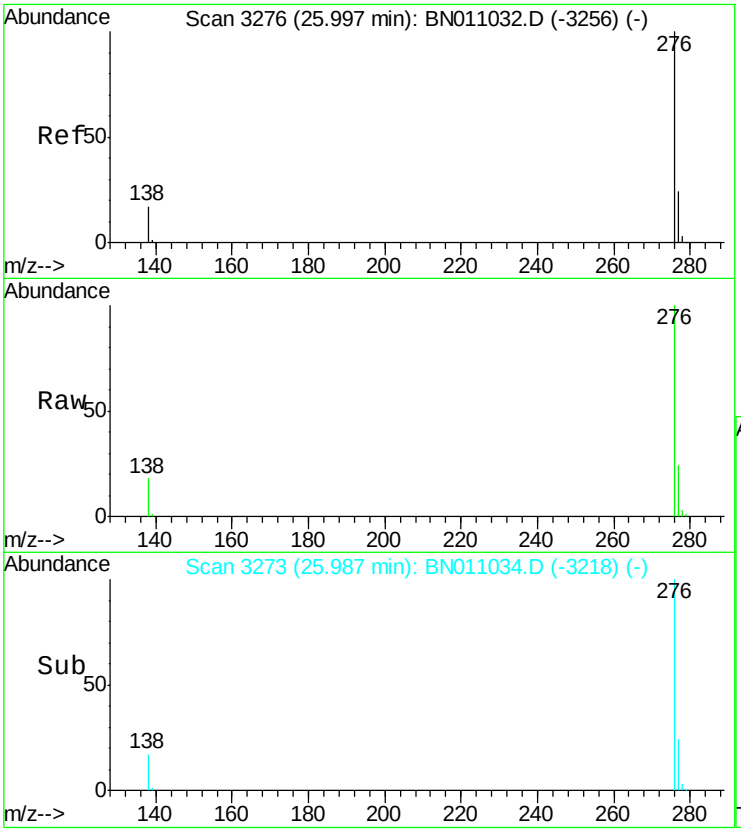


#40
Dibenzo(a,h)anthracene
Concen: 2.168 ng
RT: 25.37 min Scan# 3092
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Tgt Ion:278 Resp: 58895

Ion	Ratio	Lower	Upper
278	100		
139	13.2	11.2	16.8
279	24.4	22.6	34.0





#41
Benzo(g,h,i)perylene
Concen: 1.934 ng
RT: 25.99 min Scan# 3273
Delta R.T. -0.01 min
Lab File: BN011034.D
Acq: 23 Jun 2020 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 54616

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.4	30.6
138	17.6	15.1	22.7