Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091520\
Data File : BN011801.D
Acq On : 15 Sep 2020 14:22
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC5.0

Quant Time: Sep 15 14:52:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 12:47:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	1528	0.40	ng		0.00
7) Naphthalene-d8	10.50	136	5016	0.40	ng		0.00
13) Acenaphthene-d10	14.36	164	3112	0.40	ng		0.00
19) Phenanthrene-d10	17.11	188	6831	0.40	ng		0.01
29) Chrysene-d12	21.31	240	8057	0.40	ng		0.00
36) Perylene-d12	23.56	264	7666	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	17820	4.32	ng		0.00
5) Phenol-d6	6.89	99	23275	4.46	ng		0.00
8) Nitrobenzene-d5	8.86	82	24897	4.55	ng		-0.01
11) 2-Methylnaphthalene-d10	12.10	152	43479	4.65	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	8264	4.95	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	61980	4.46	ng		0.00
27) Fluoranthene-d10	19.15	212	107455	4.87	ng		0.00
31) Terphenyl-d14	19.75	244	92413	4.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	8957	4.436	ng		95
3) n-Nitrosodimethylamine	3.57	42	14884	4.616	ng	#	97
6) bis(2-Chloroethyl)ether	7.14	93	18325	4.194	ng		99
9) Naphthalene	10.55	128	64288	4.447	ng		98
10) Hexachlorobutadiene	10.85	225	15095	4.248	ng	#	99
12) 2-Methylnaphthalene	12.17	142	47610	4.656	ng		99
16) Acenaphthylene	14.08	152	73820	4.792	ng		99
17) Acenaphthene	14.42	154	51377	4.722	ng		99
18) Fluorene	15.41	166	64573	4.715	ng		99
20) 4,6-Dinitro-2-methylphenol	15.49	198	7719	5.116	ng	#	79
21) 4-Bromophenyl-phenylether	16.31	248	20483	4.754	ng		98
22) Hexachlorobenzene	16.42	284	23079	4.628	ng		99
23) Atrazine	16.58	200	19307	4.940	ng		96
24) Pentachlorophenol	16.76	266	10585	5.052	ng		98
25) Phenanthrene	17.15	178	104574	4.674	ng		100
26) Anthracene	17.24	178	97191	4.912	ng		100
28) Fluoranthene	19.18	202	128545	4.710	ng		100
30) Pyrene	19.54	202	128702	4.534	ng		100
32) Benzo(a)anthracene	21.29	228	135008	4.619	ng		99
33) Chrysene	21.34	228	132998	4.350	ng		100
34) Bis(2-ethylhexyl)phthalate	21.24	149	60980	4.239	ng		99
35) Indeno(1,2,3-cd)pyrene	25.82	276	174981	4.400	ng		100
37) Benzo(b)fluoranthene	22.88	252	140748	4.441	ng		96
38) Benzo(k)fluoranthene	22.93	252	143916	4.565	ng		96
39) Benzo(a)pyrene	23.46	252	128598	4.639	ng		95
40) Dibenzo(a,h)anthracene	25.84	278	145832	4.635	ng		99
41) Benzo(g,h,i)perylene	26.51	276	144985	4.573	ng		99

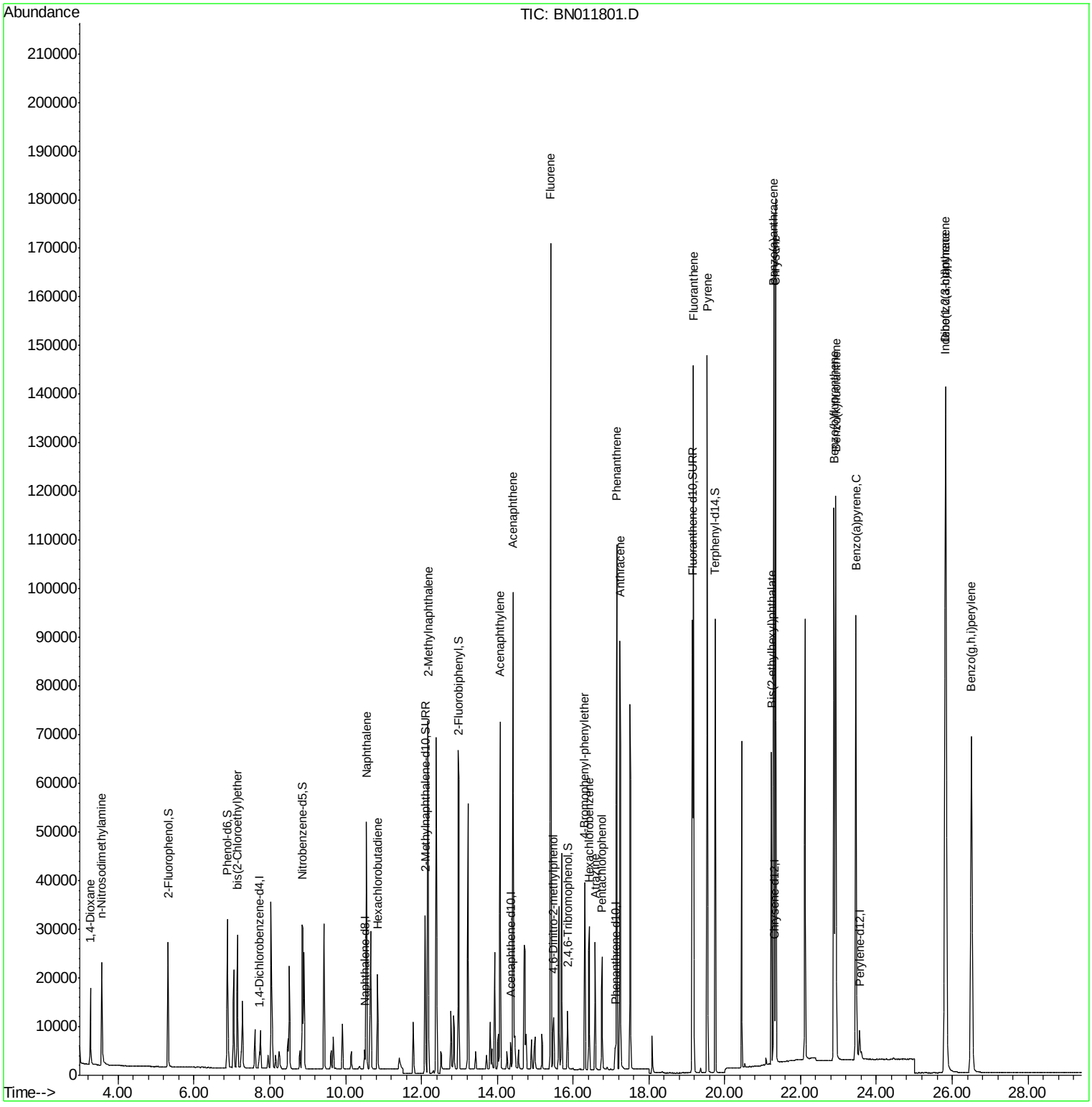
(#) = qualifier out of range (m) = manual integration (+) = signals summed

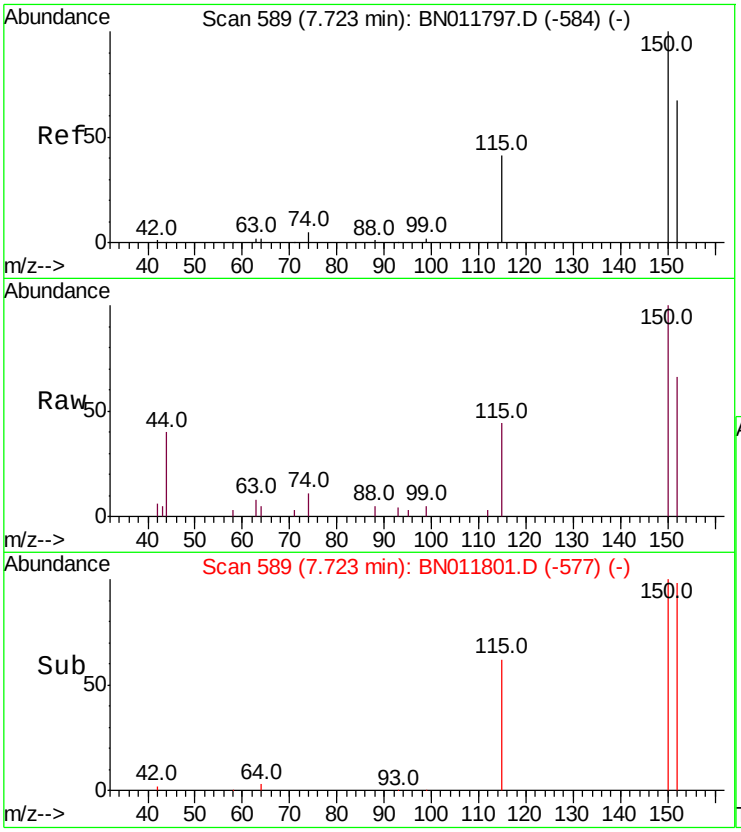
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091520\
Data File : BN011801.D
Acq On : 15 Sep 2020 14:22
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Sep 15 14:52:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 12:47:27 2020
Response via : Initial Calibration



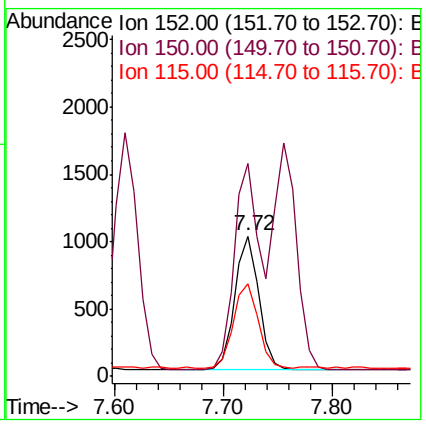


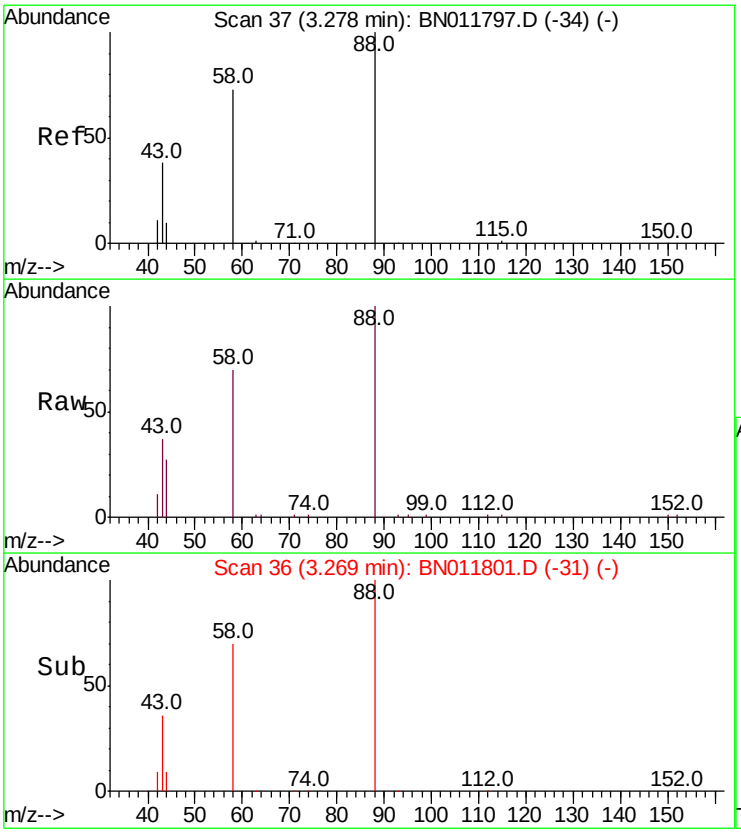
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 589
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 1528

Ion	Ratio	Lower	Upper
152	100		
150	151.7	118.3	177.5
115	66.1	51.3	76.9

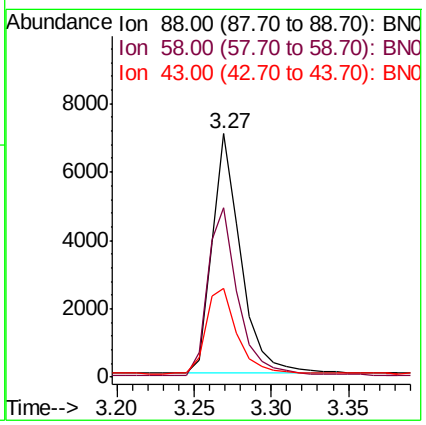


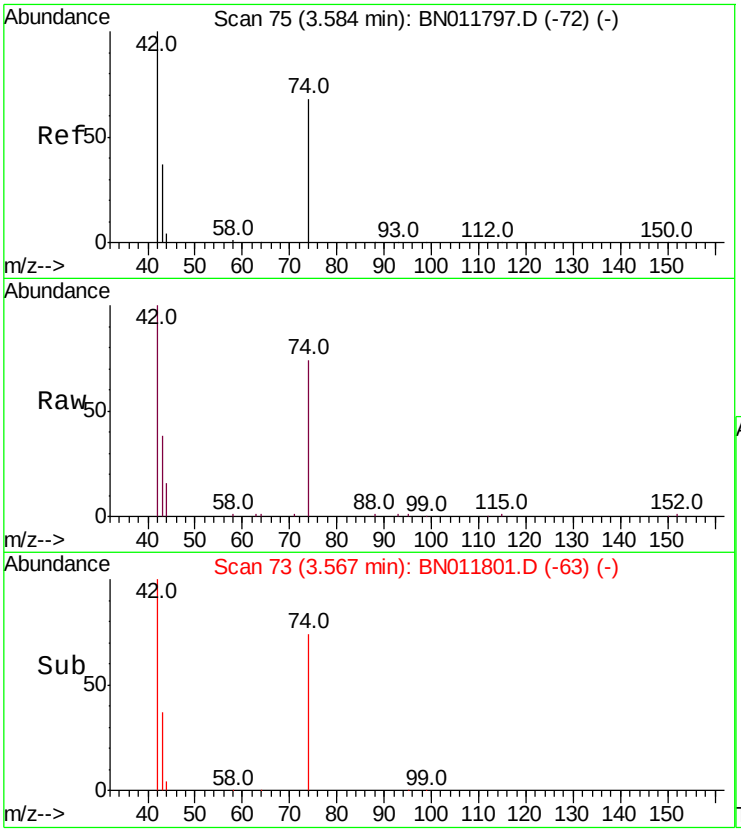


#2
1,4-Dioxane
Concen: 4.436 ng
RT: 3.27 min Scan# 36
Delta R.T. -0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 88 Resp: 8957

Ion	Ratio	Lower	Upper
88	100		
58	73.7	63.3	94.9
43	38.8	33.0	49.4



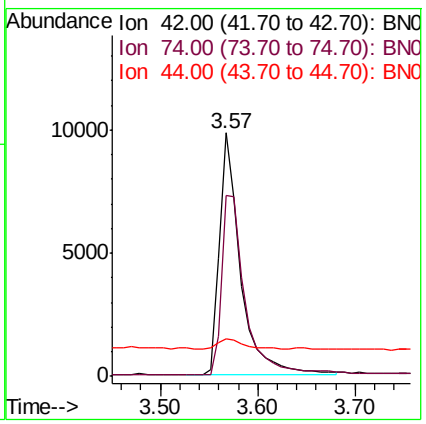


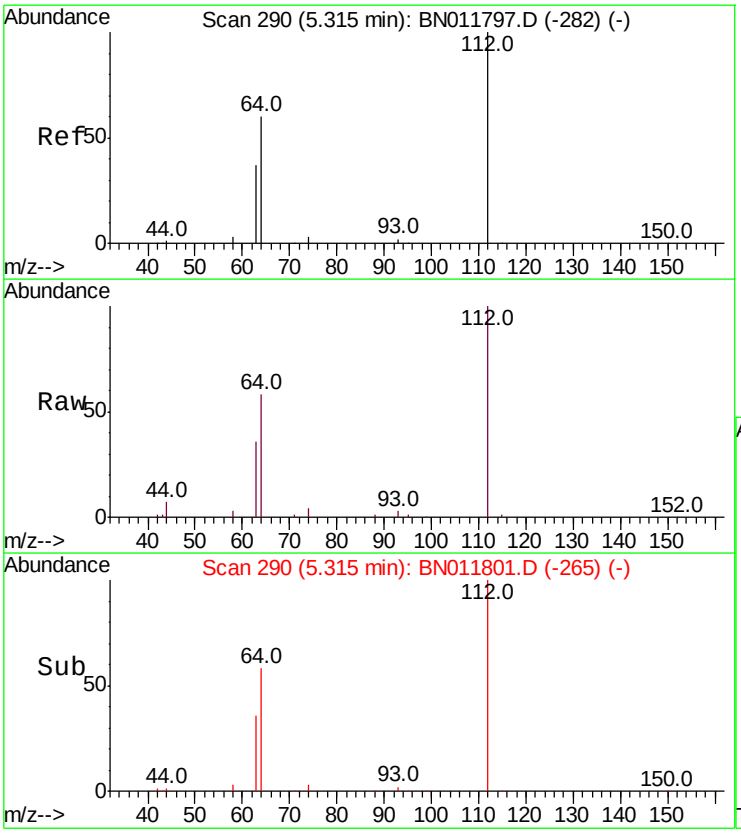
#3
n-Nitrosodimethylamine
Concen: 4.616 ng
RT: 3.57 min Scan# 73
Delta R.T. -0.02 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 14884

Ion	Ratio	Lower	Upper
42	100		
74	83.0	64.4	96.6
44	4.9	6.7	10.1#

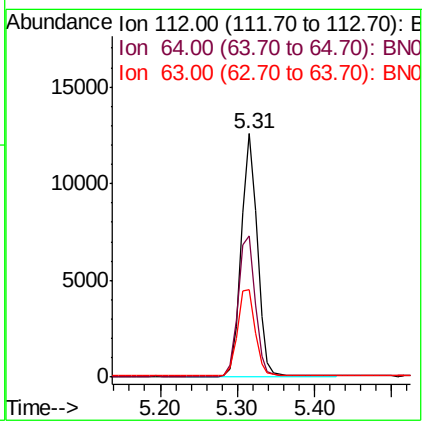


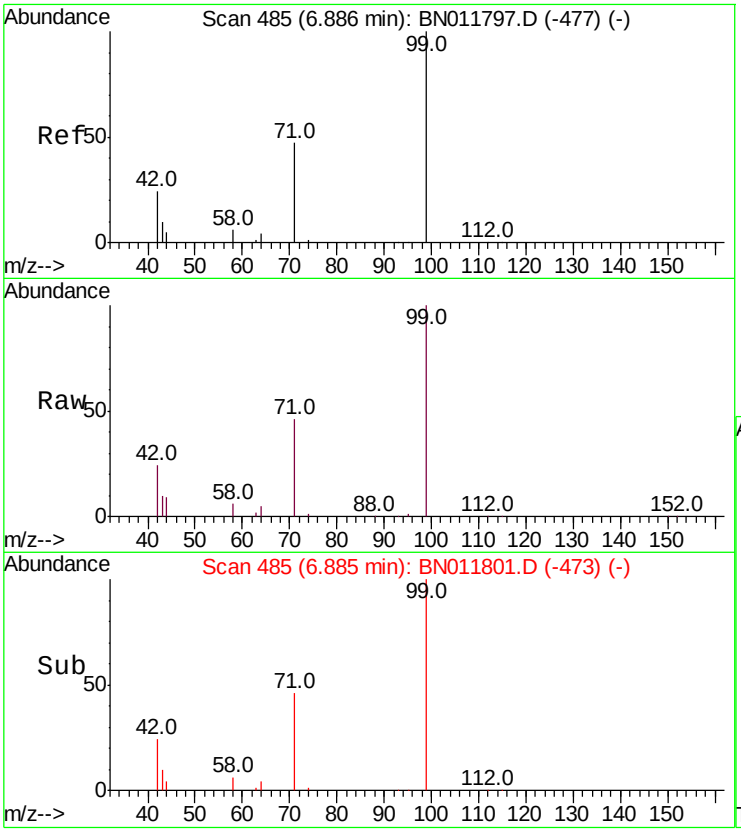


#4
2-Fluorophenol
Concen: 4.323 ng
RT: 5.31 min Scan# 290
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:112 Resp: 17820

Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.0	73.6
63	39.1	31.8	47.6



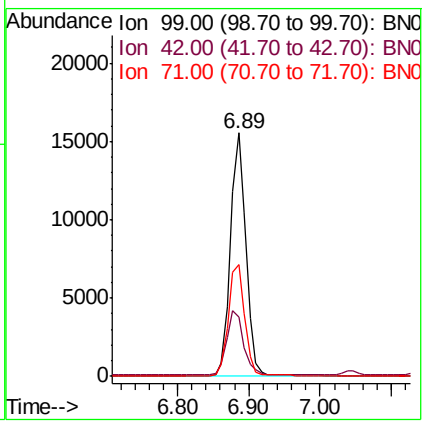


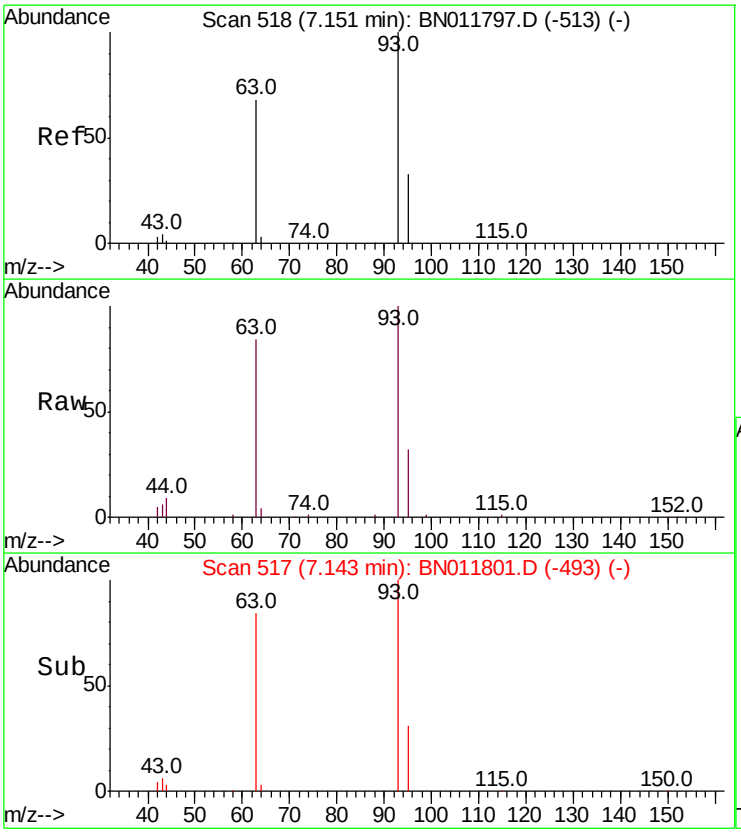
#5
Phenol-d6
Concen: 4.460 ng
RT: 6.89 min Scan# 485
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 23275

Ion	Ratio	Lower	Upper
99	100		
42	29.4	23.4	35.0
71	48.2	38.1	57.1

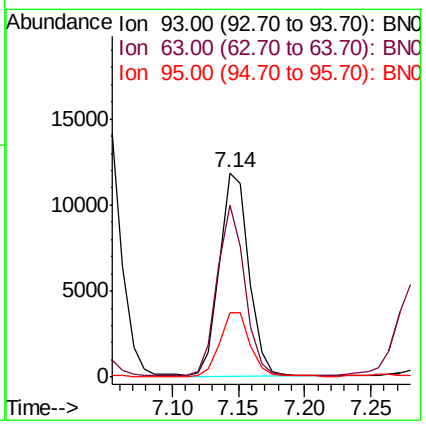


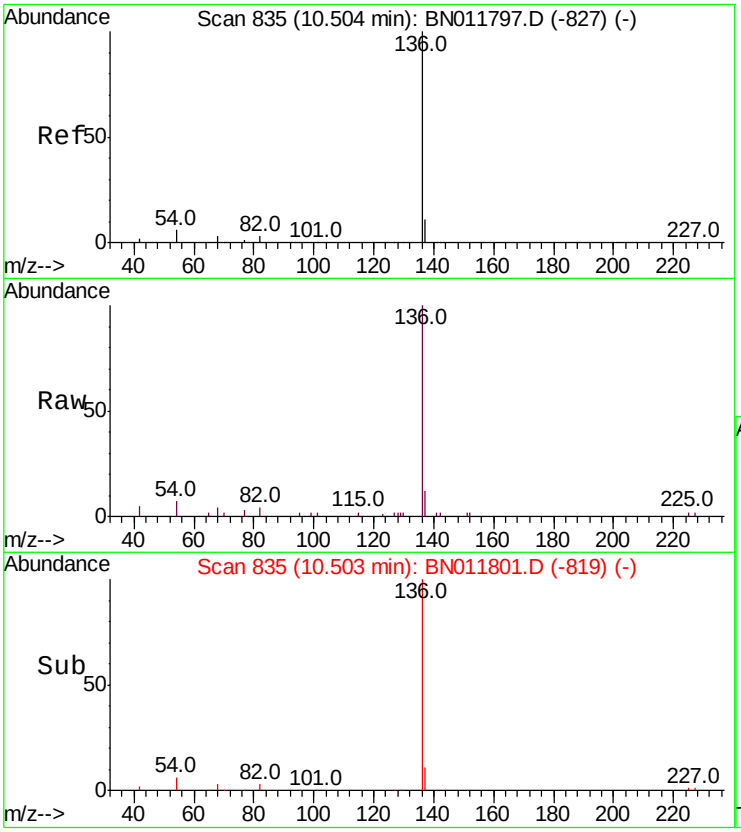


#6
bis(2-Chloroethyl)ether
Concen: 4.194 ng
RT: 7.14 min Scan# 517
Delta R.T. -0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 93 Resp: 18325

Ion	Ratio	Lower	Upper
93	100		
63	78.1	61.1	91.7
95	32.0	25.5	38.3



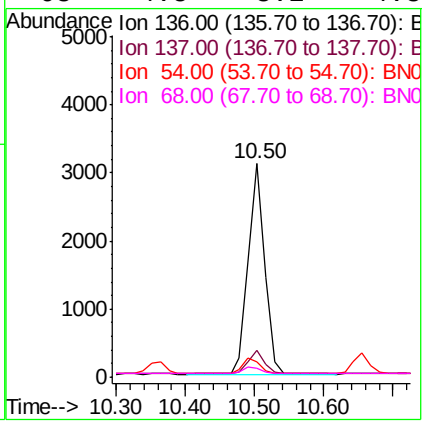


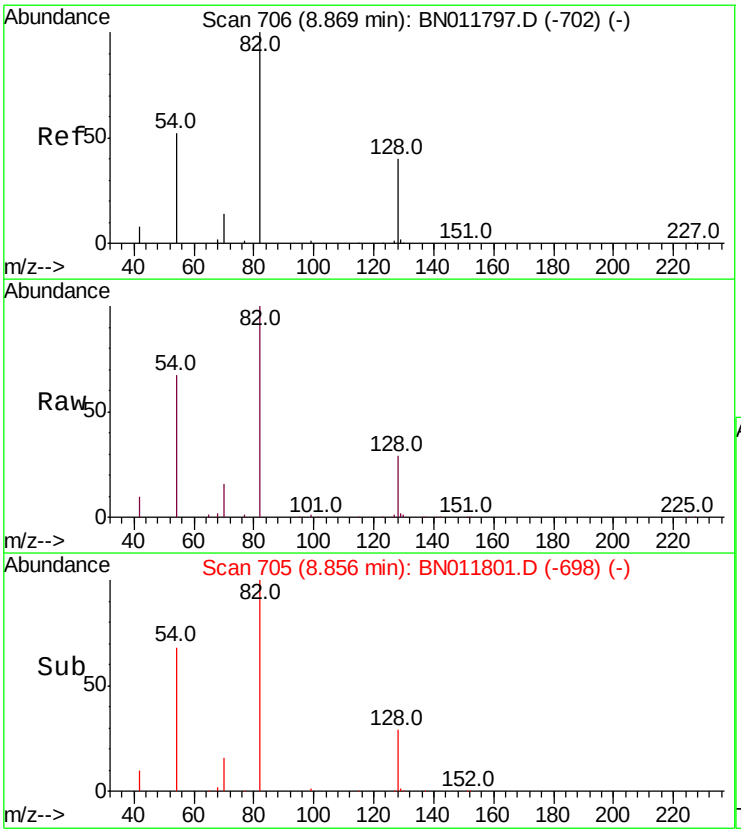
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.50 min Scan# 835
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 5016

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	7.5	5.6	8.4
68	4.5	3.2	4.8

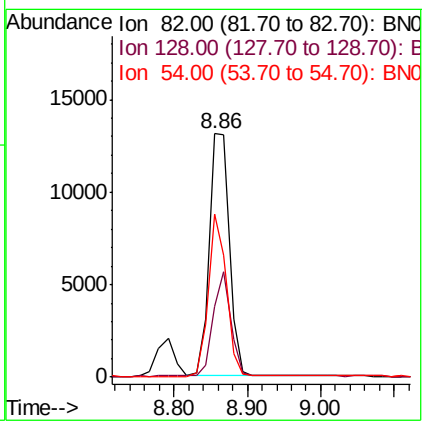


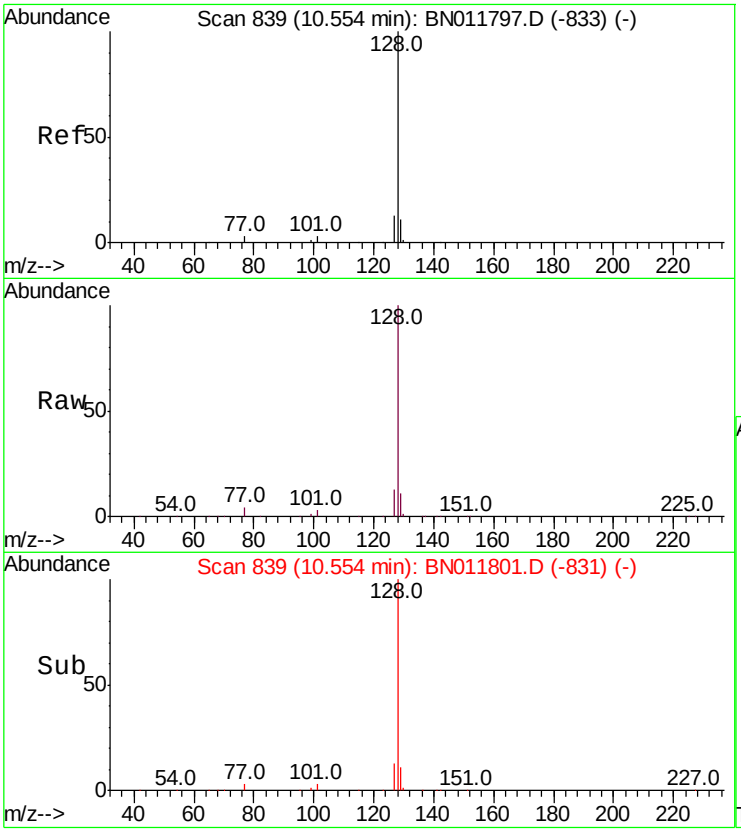


#8
Nitrobenzene-d5
Concen: 4.547 ng
RT: 8.86 min Scan# 705
Delta R.T. -0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 82 Resp: 24897

Ion	Ratio	Lower	Upper
82	100		
128	28.9	34.2	51.2#
54	67.1	43.1	64.7#



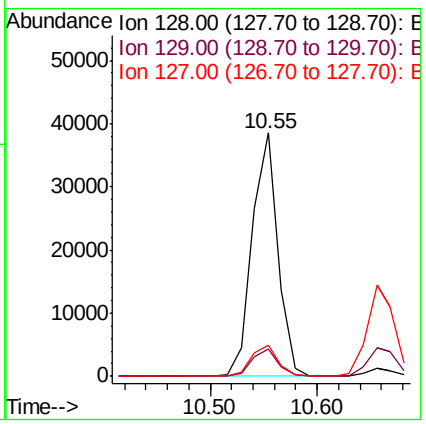


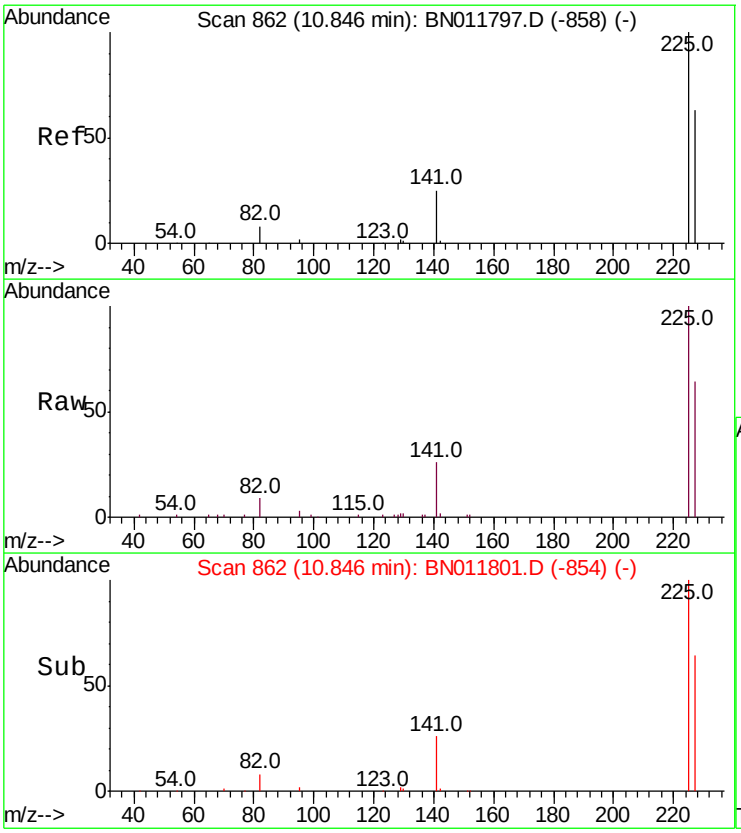
#9
Naphthalene
Concen: 4.447 ng
RT: 10.55 min Scan# 839
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 64288

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.7	14.5
127	13.0	11.0	16.4

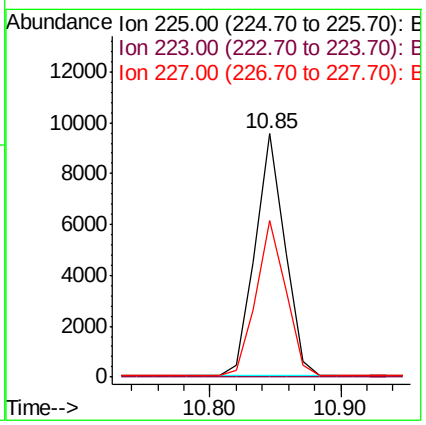


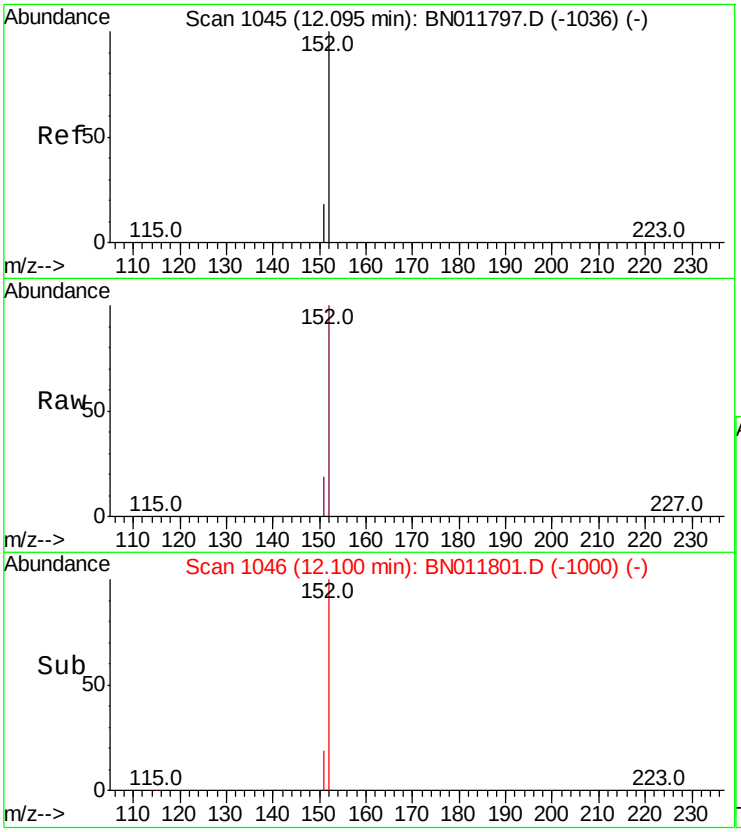


#10
Hexachlorobutadiene
Concen: 4.248 ng
RT: 10.85 min Scan# 862
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:225 Resp: 15095

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.9	77.9



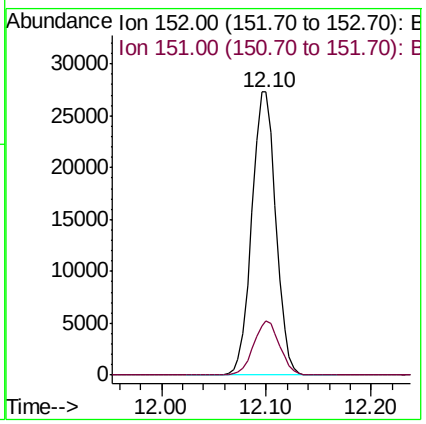


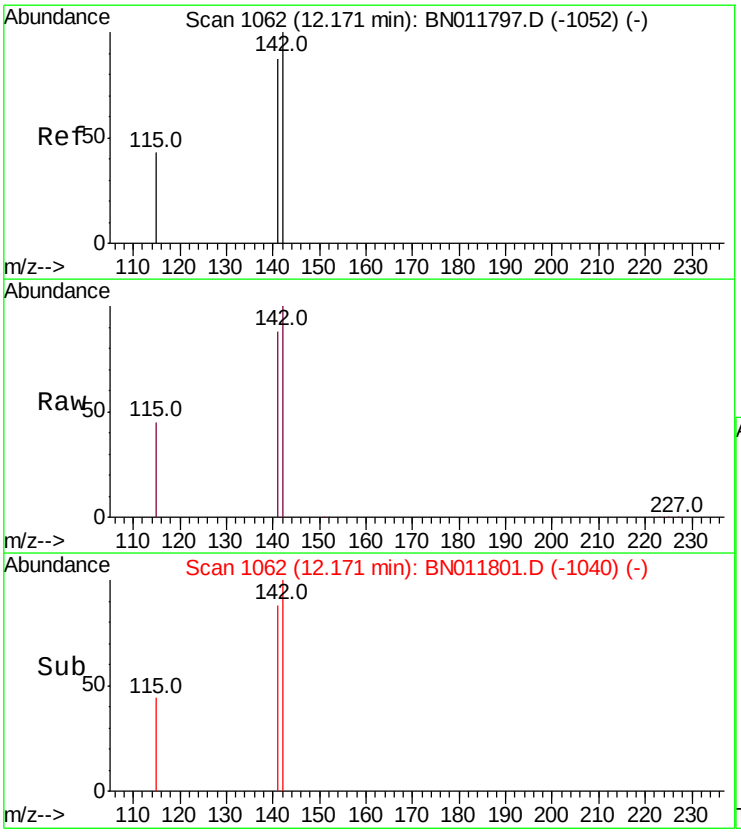
#11
2-Methylnaphthalene-d10
Concen: 4.647 ng
RT: 12.10 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 43479

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.7	25.1

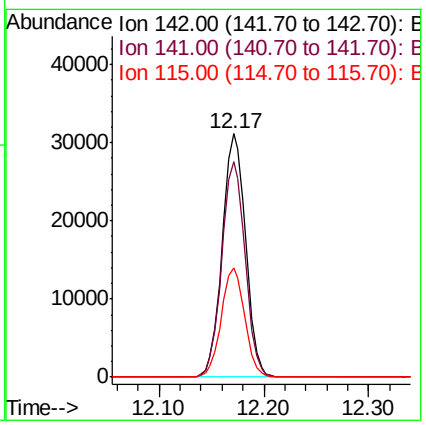


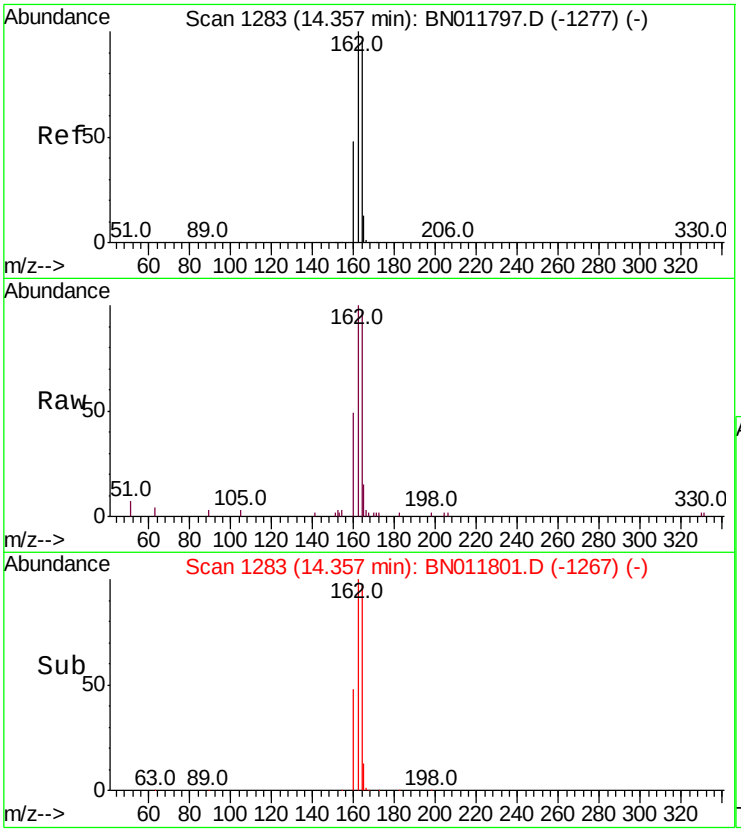


#12
2-Methylnaphthalene
Concen: 4.656 ng
RT: 12.17 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:142 Resp: 47610

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.0	105.0
115	44.6	35.8	53.6



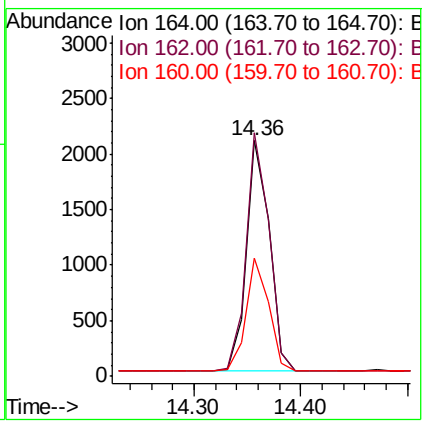


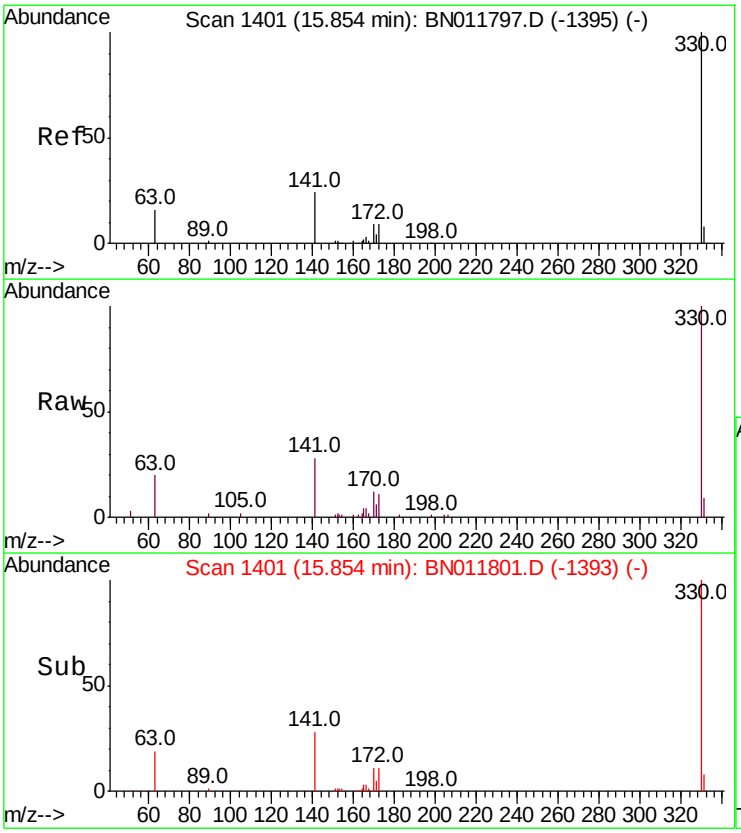
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 3112

Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.6	125.4
160	50.4	41.2	61.8

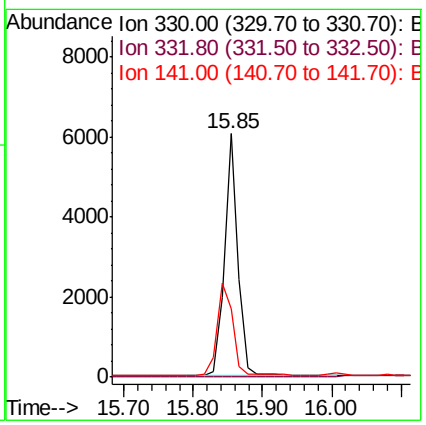


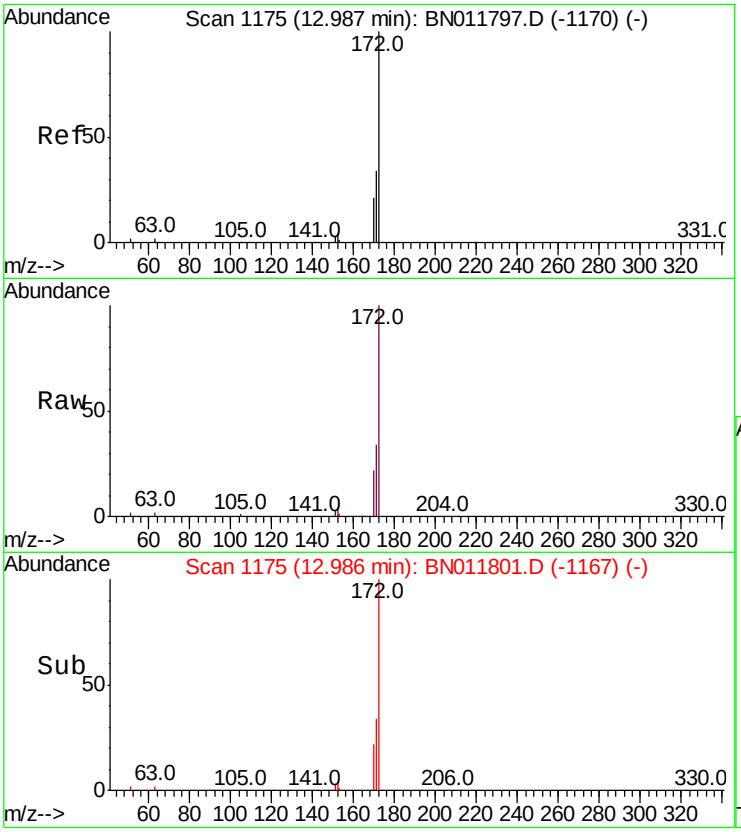


#14
2,4,6-Tribromophenol
Concen: 4.948 ng
RT: 15.85 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:330 Resp: 8264

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.2	33.7	50.5



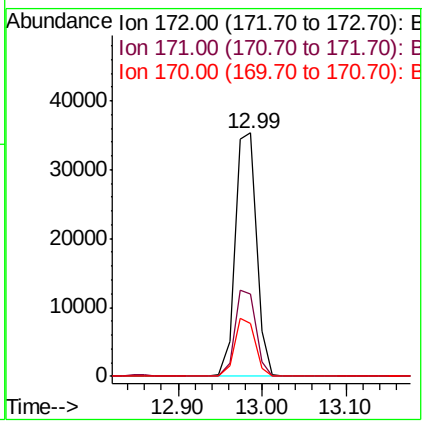


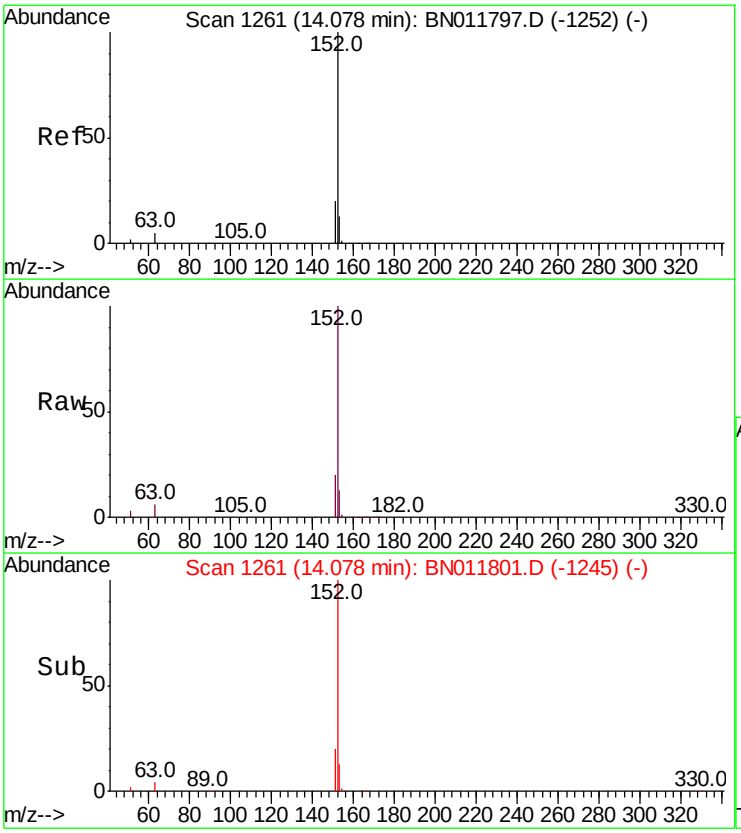
#15
2-Fluorobiphenyl
Concen: 4.457 ng
RT: 12.99 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 61980

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.4	41.2
170	21.7	17.8	26.6

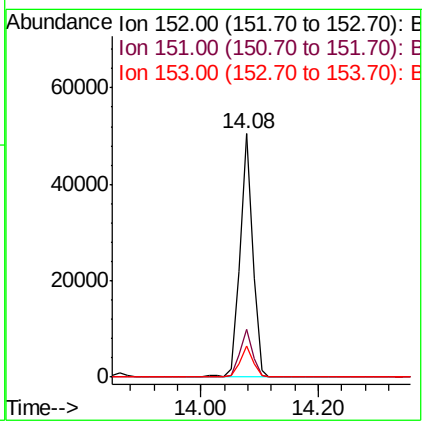


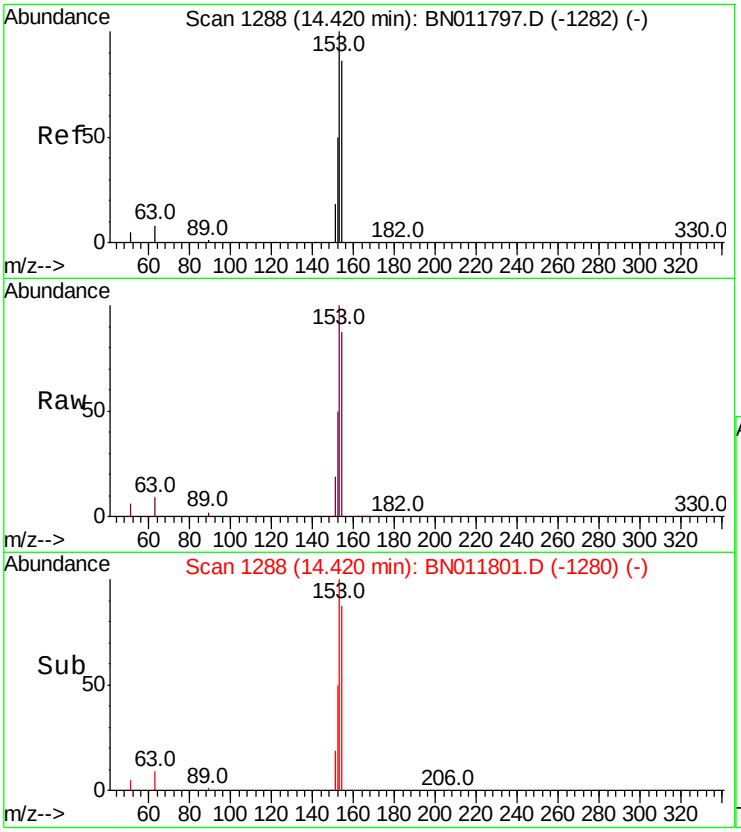


#16
Acenaphthylene
Concen: 4.792 ng
RT: 14.08 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:152 Resp: 73820

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	12.9	10.5	15.7



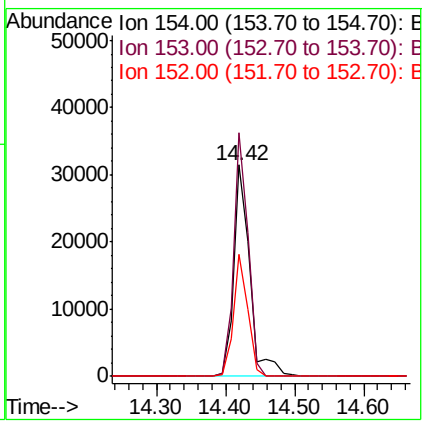


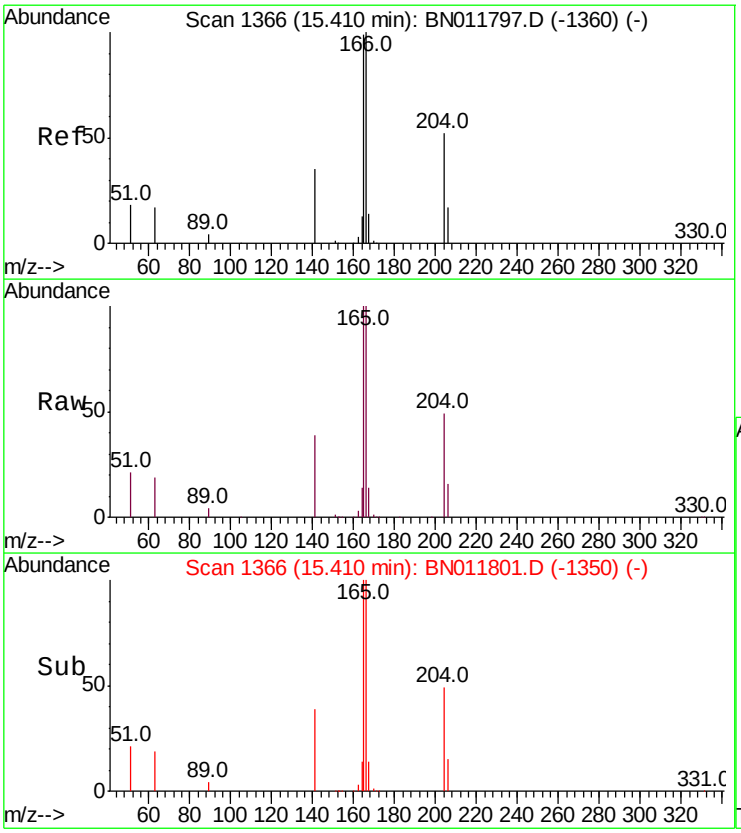
#17
Acenaphthene
Concen: 4.722 ng
RT: 14.42 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 51377

Ion	Ratio	Lower	Upper
154	100		
153	104.0	83.4	125.2
152	51.4	42.8	64.2

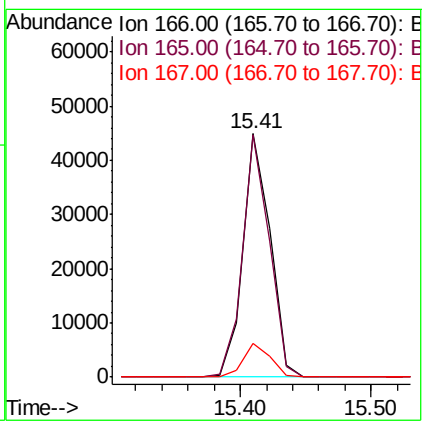


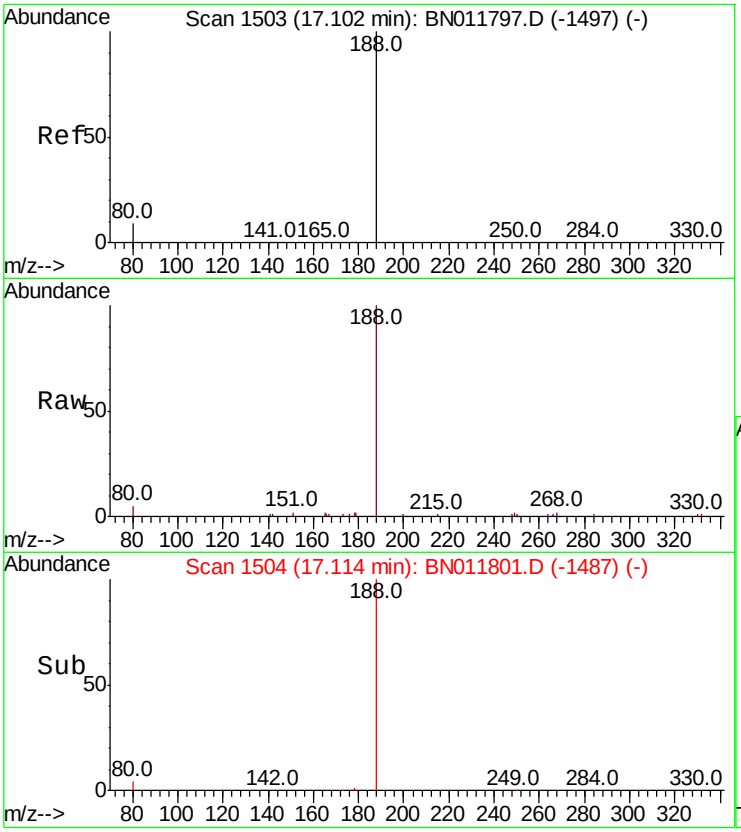


#18
Fluorene
Concen: 4.715 ng
RT: 15.41 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:166 Resp: 64573

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.5	11.2	16.8



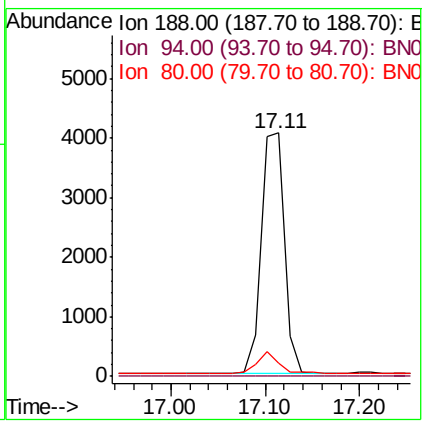


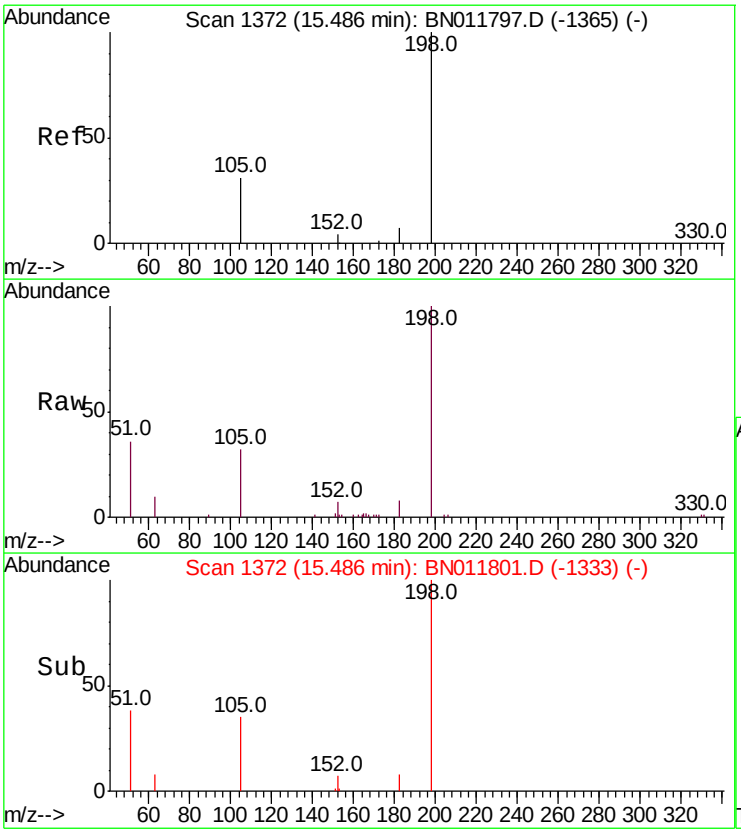
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.11 min Scan# 1504
Delta R.T. 0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 6831

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.2	7.7	11.5#

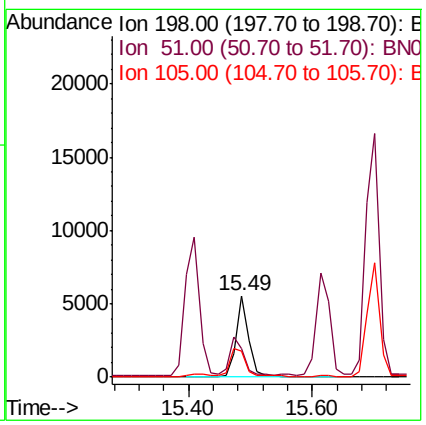


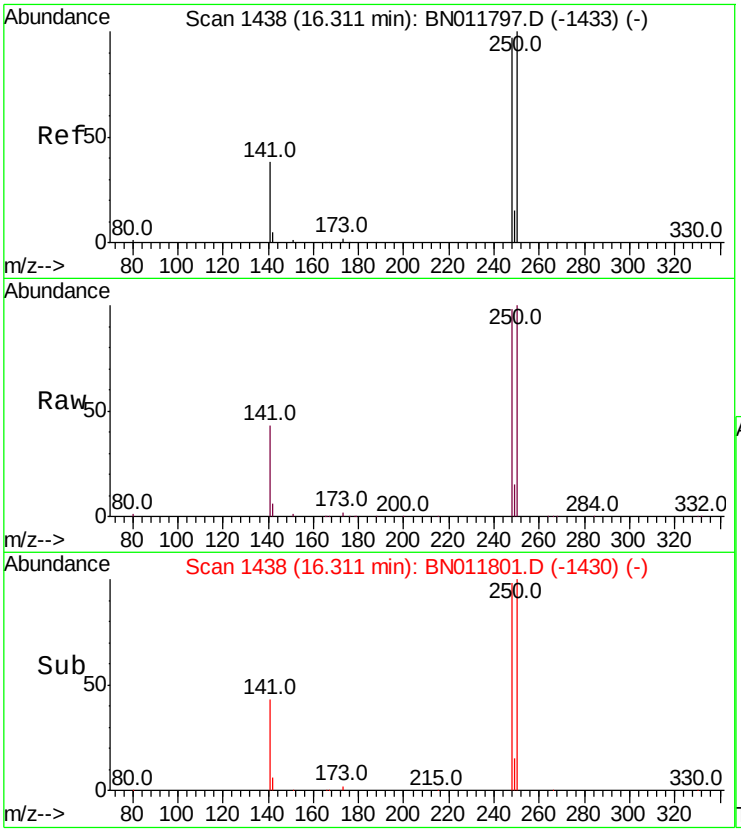


#20
4,6-Dinitro-2-methylphenol
Concen: 5.116 ng
RT: 15.49 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:198 Resp: 7719

Ion	Ratio	Lower	Upper
198	100		
51	35.6	45.0	67.4#
105	32.1	30.4	45.6



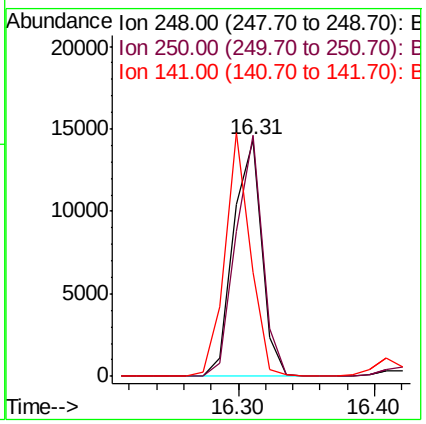


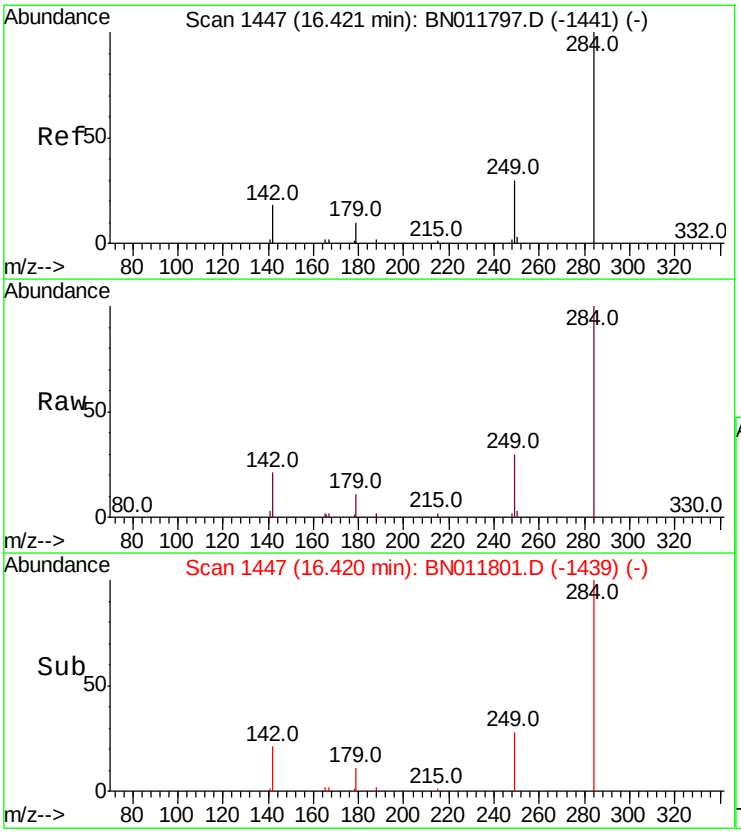
#21
4-Bromophenyl-phenylether
Concen: 4.754 ng
RT: 16.31 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 20483

Ion	Ratio	Lower	Upper
248	100		
250	101.9	82.7	124.1
141	44.1	33.7	50.5

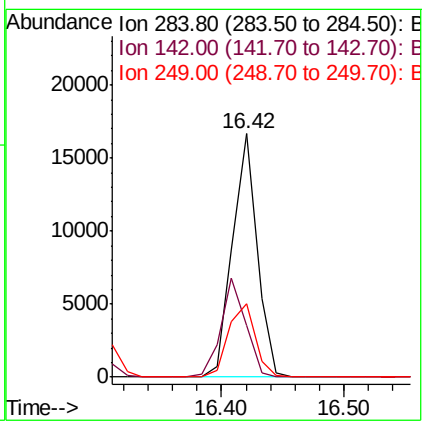


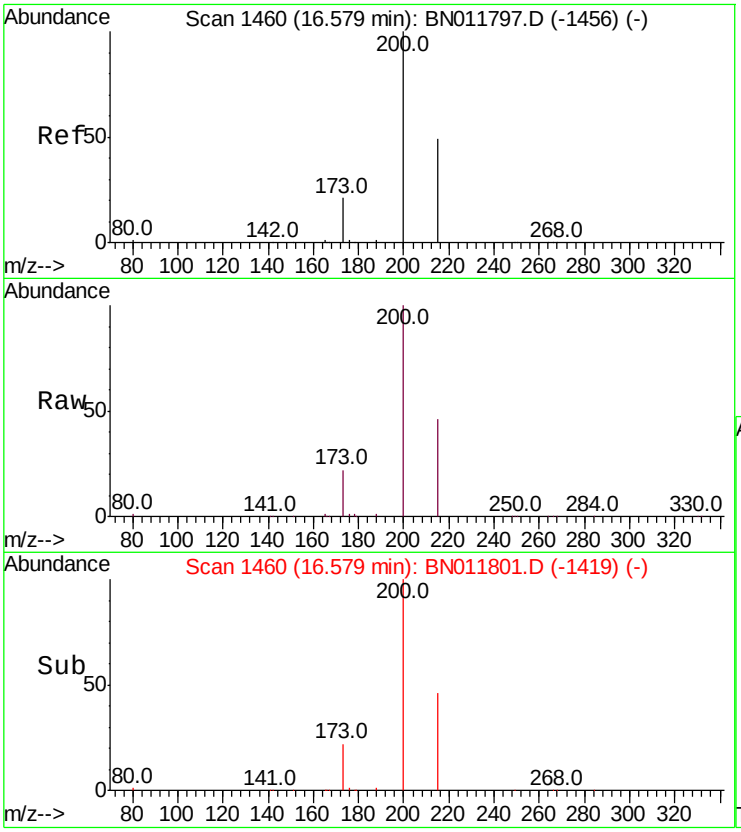


#22
Hexachlorobenzene
Concen: 4.628 ng
RT: 16.42 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:284 Resp: 23079

Ion	Ratio	Lower	Upper
284	100		
142	40.5	32.4	48.6
249	32.4	26.8	40.2



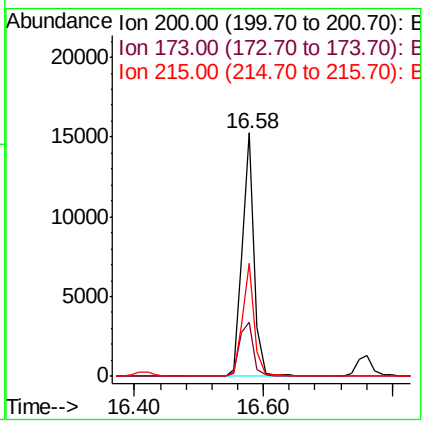


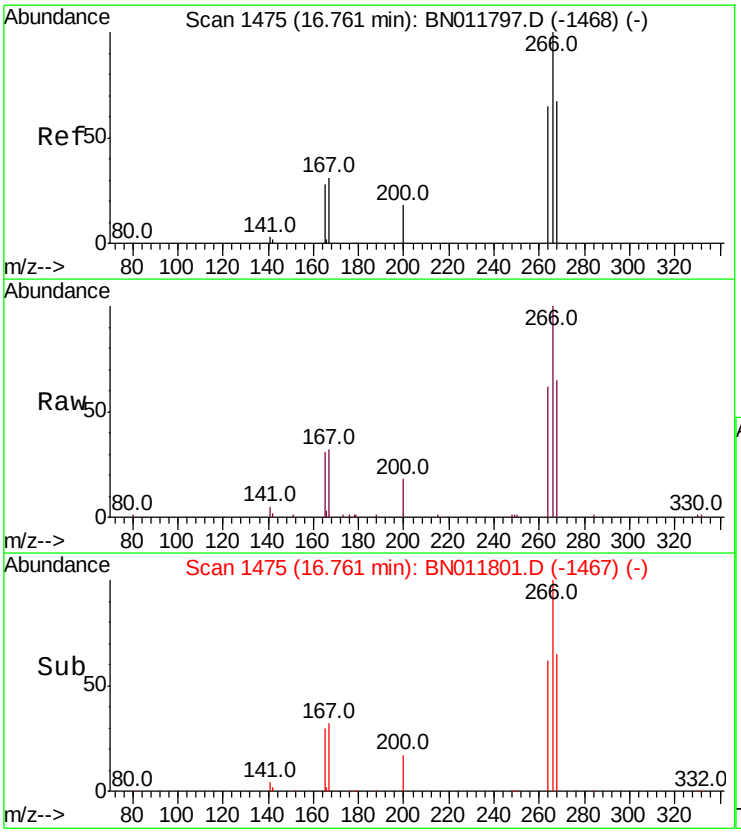
#23
Atrazine
Concen: 4.940 ng
RT: 16.58 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 19307

Ion	Ratio	Lower	Upper
200	100		
173	22.5	18.7	28.1
215	46.5	40.2	60.4

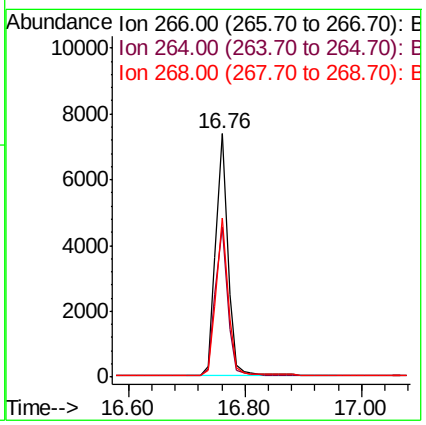


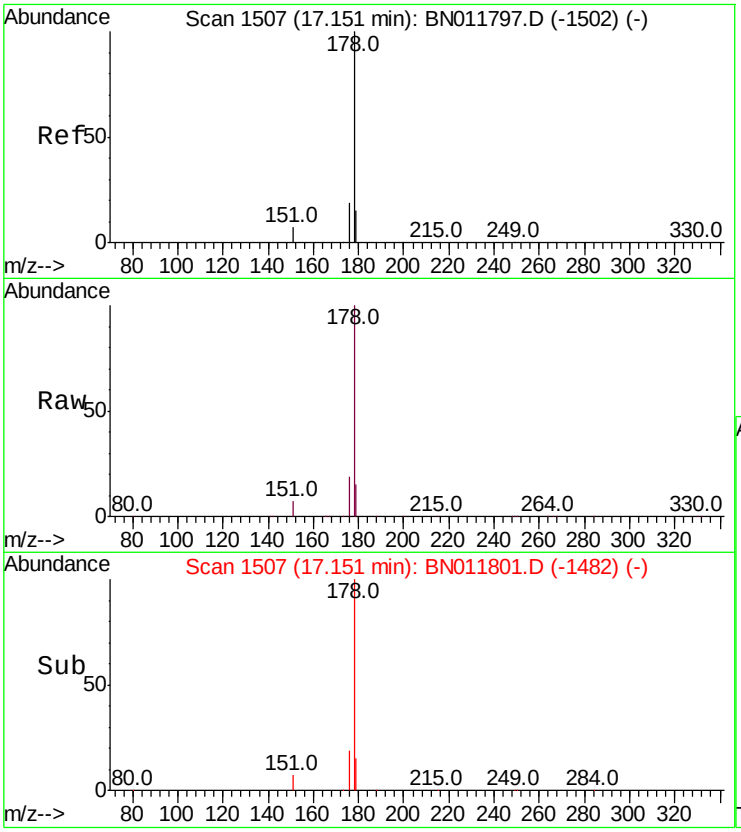


#24
Pentachlorophenol
Concen: 5.052 ng
RT: 16.76 min Scan# 1475
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:266 Resp: 10585

Ion	Ratio	Lower	Upper
266	100		
264	63.0	51.2	76.8
268	63.9	52.4	78.6



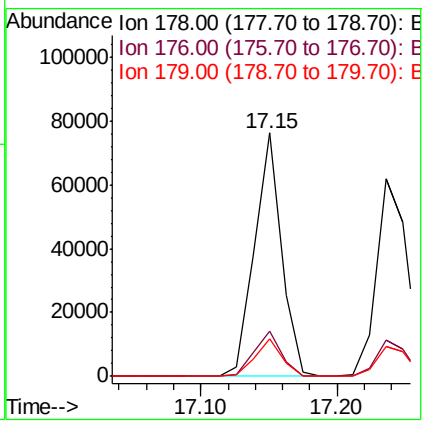


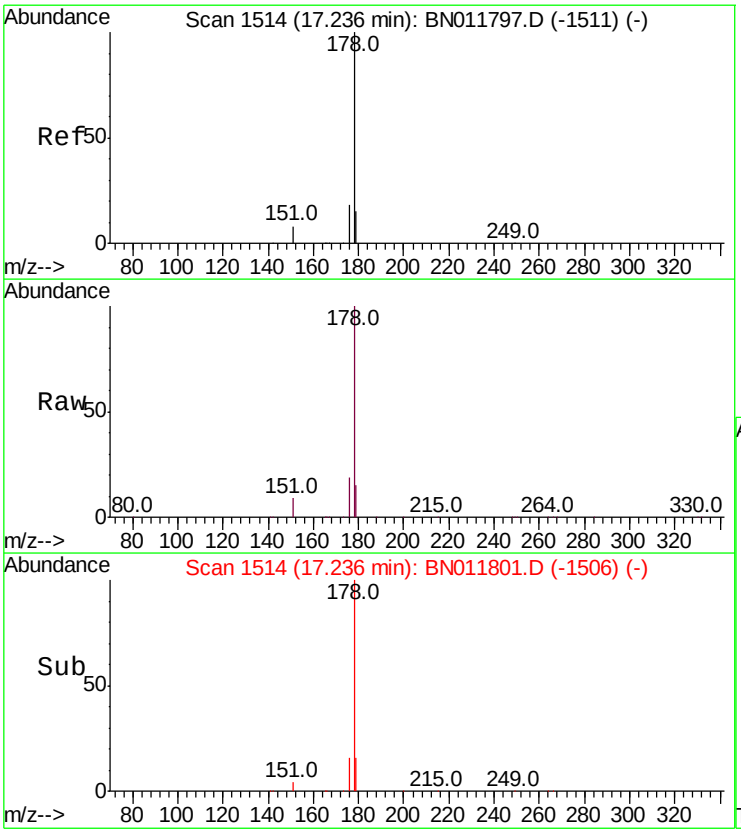
#25
Phenanthrene
Concen: 4.674 ng
RT: 17.15 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 104574

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.2	12.3	18.5

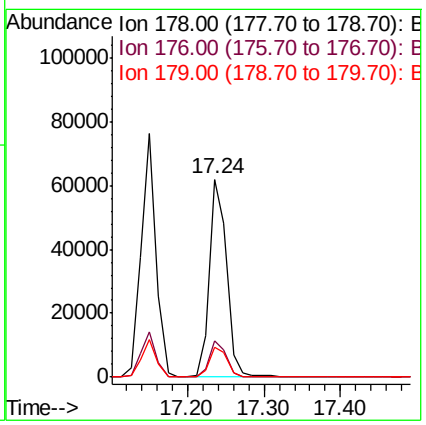


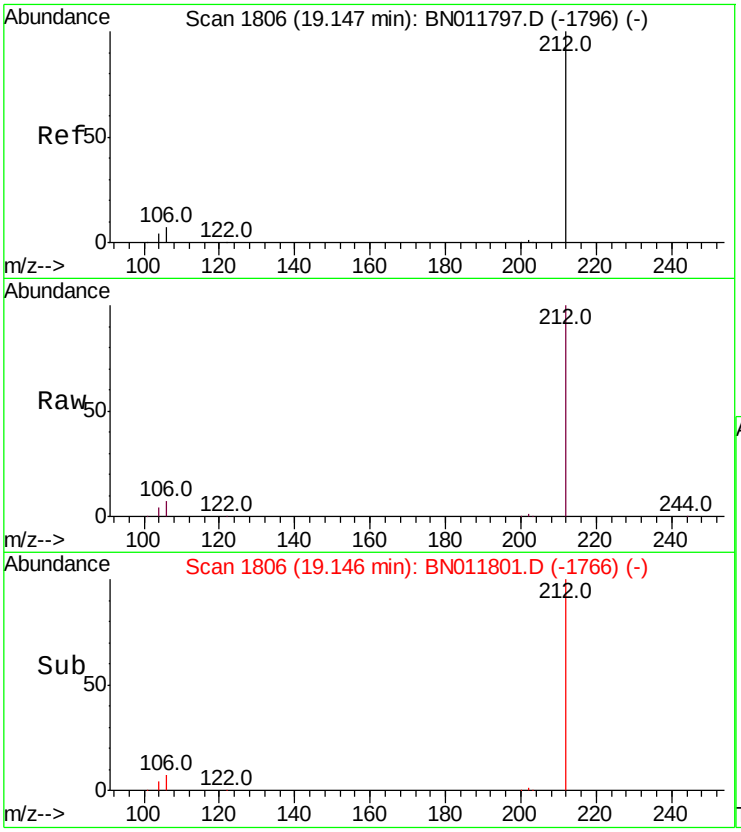


#26
Anthracene
Concen: 4.912 ng
RT: 17.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:178 Resp: 97191

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



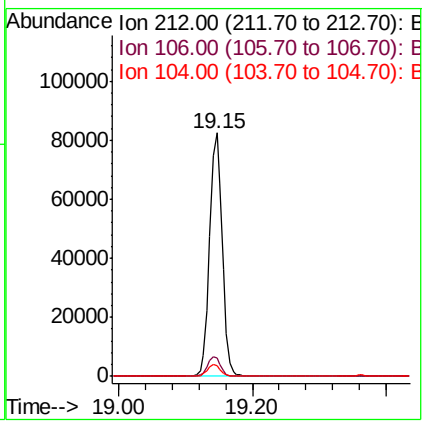


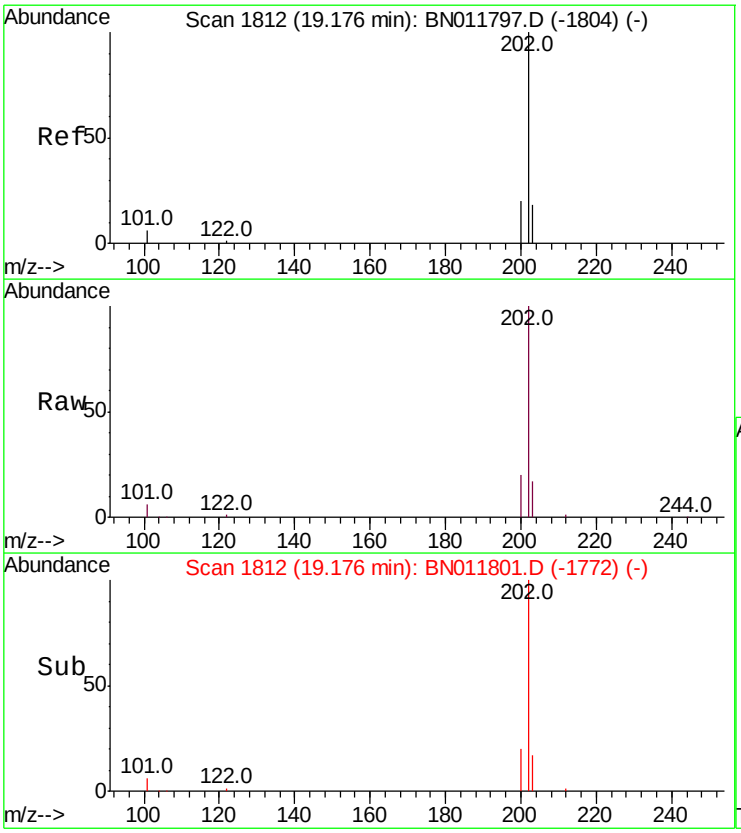
#27
Fluoranthene-d10
Concen: 4.872 ng
RT: 19.15 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 107455

Ion	Ratio	Lower	Upper
212	100		
106	8.1	6.4	9.6
104	4.8	3.9	5.9

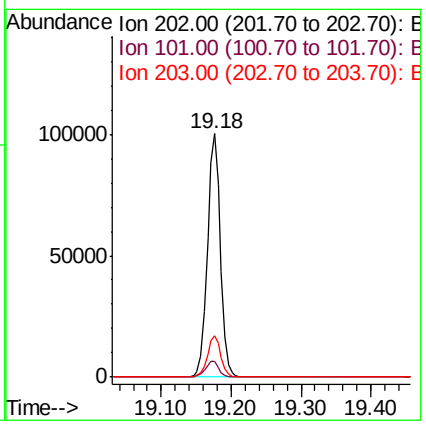


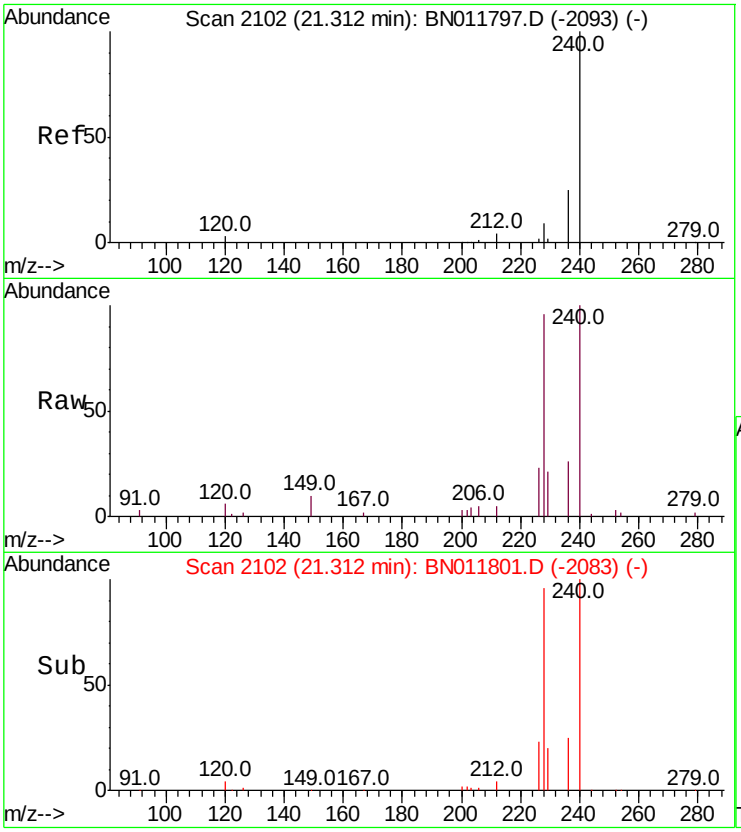


#28
Fluoranthene
Concen: 4.710 ng
RT: 19.18 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:202 Resp: 128545

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.4	8.2
203	17.2	13.8	20.6



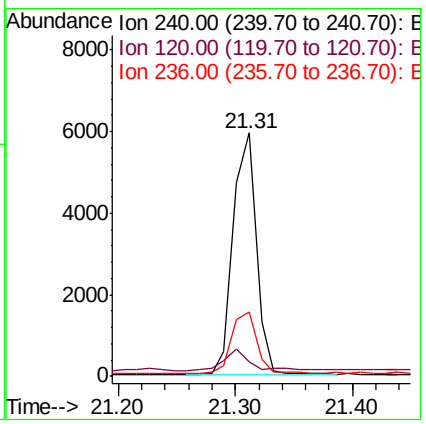


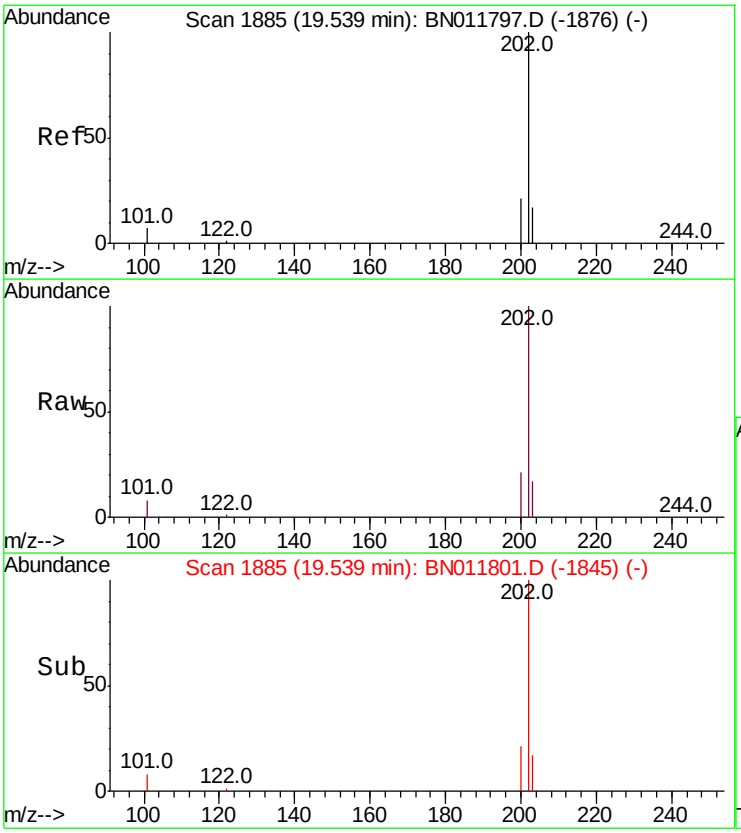
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 8057

Ion	Ratio	Lower	Upper
240	100		
120	5.9	3.5	5.3#
236	26.4	20.5	30.7

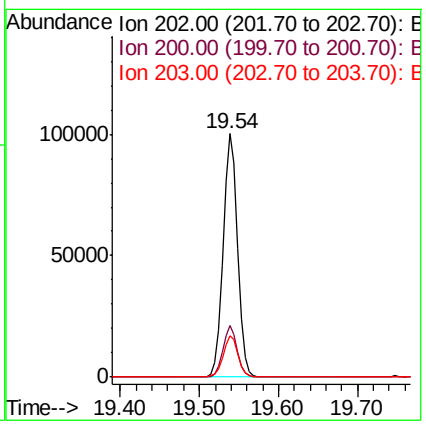


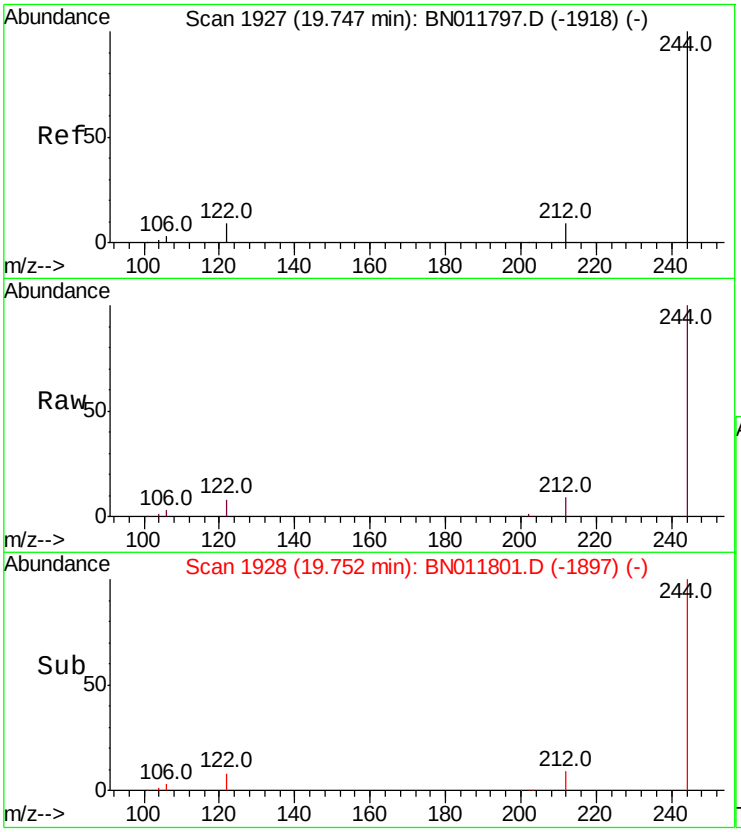


#30
Pyrene
Concen: 4.534 ng
RT: 19.54 min Scan# 1885
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:202 Resp: 128702

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.4	13.9	20.9



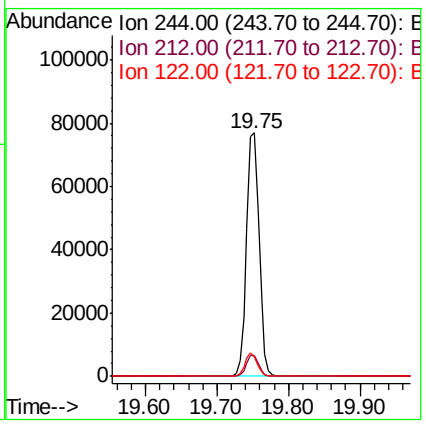


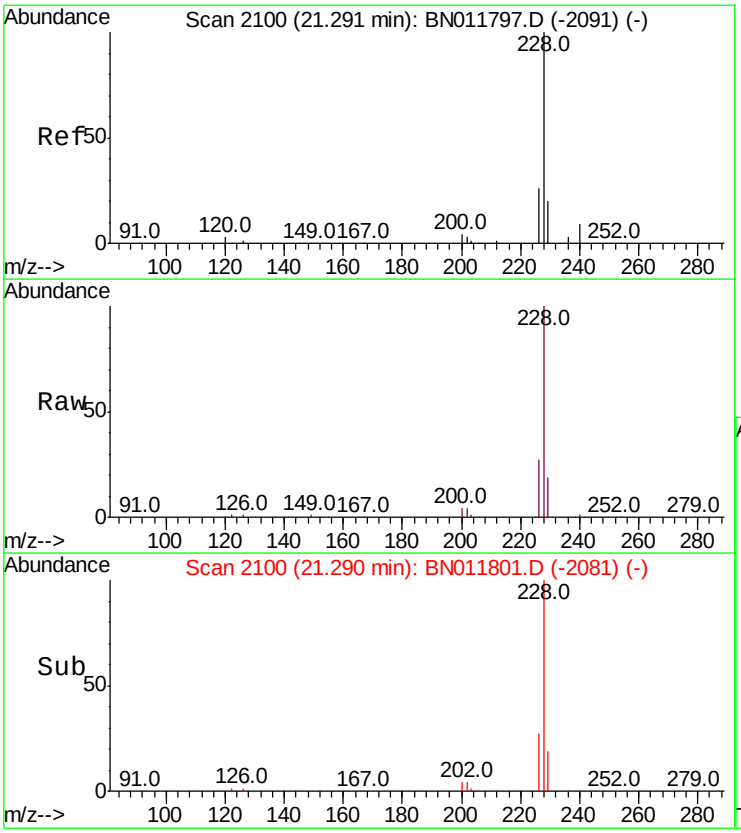
#31
Terphenyl-d14
Concen: 4.105 ng
RT: 19.75 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 92413

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.3	10.9
122	7.8	7.8	11.6

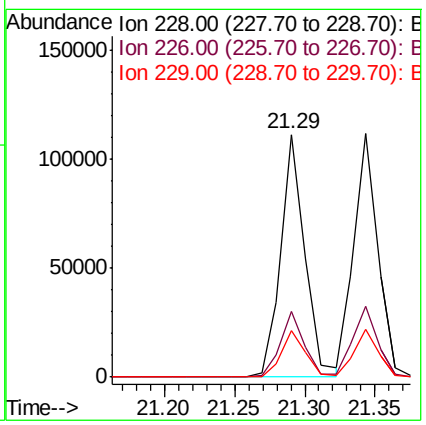


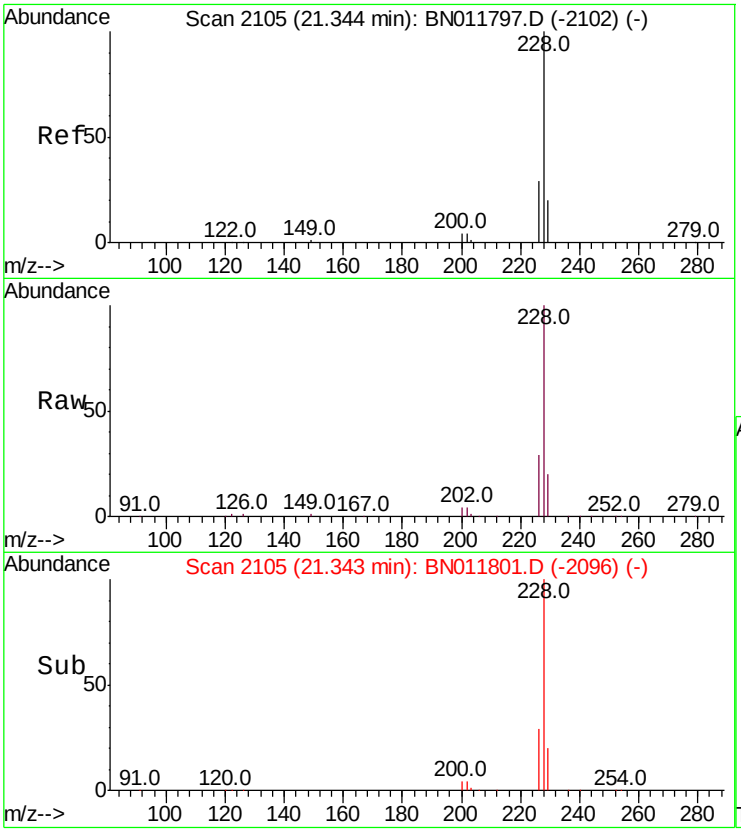


#32
Benzo(a)anthracene
Concen: 4.619 ng
RT: 21.29 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:228 Resp: 135008

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.0	31.4
229	19.2	16.0	24.0



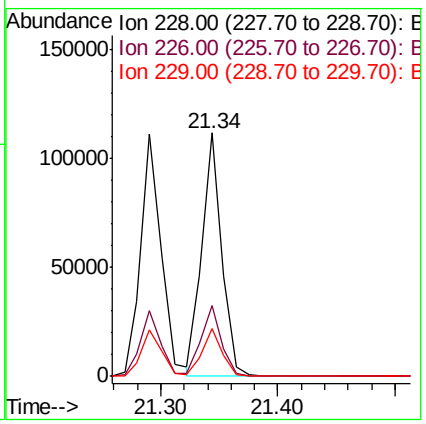


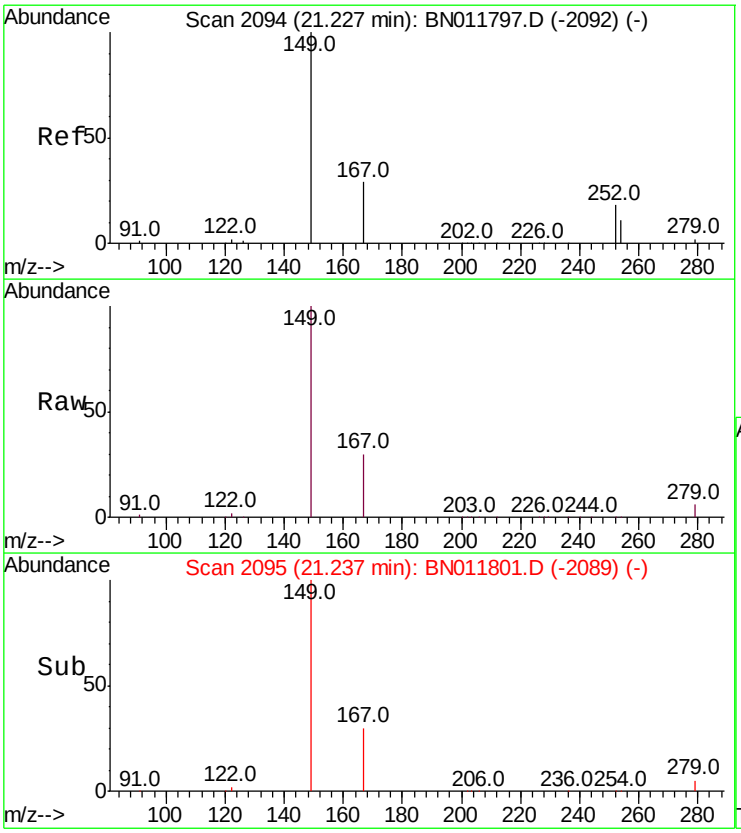
#33
Chrysene
Concen: 4.350 ng
RT: 21.34 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 132998

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

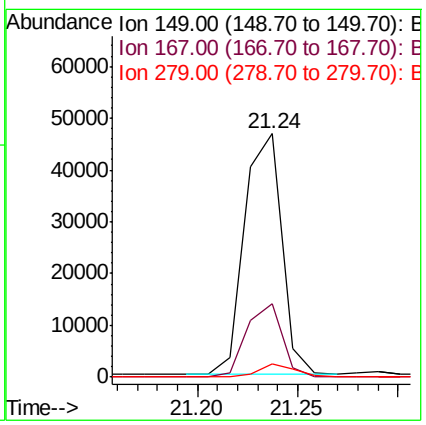


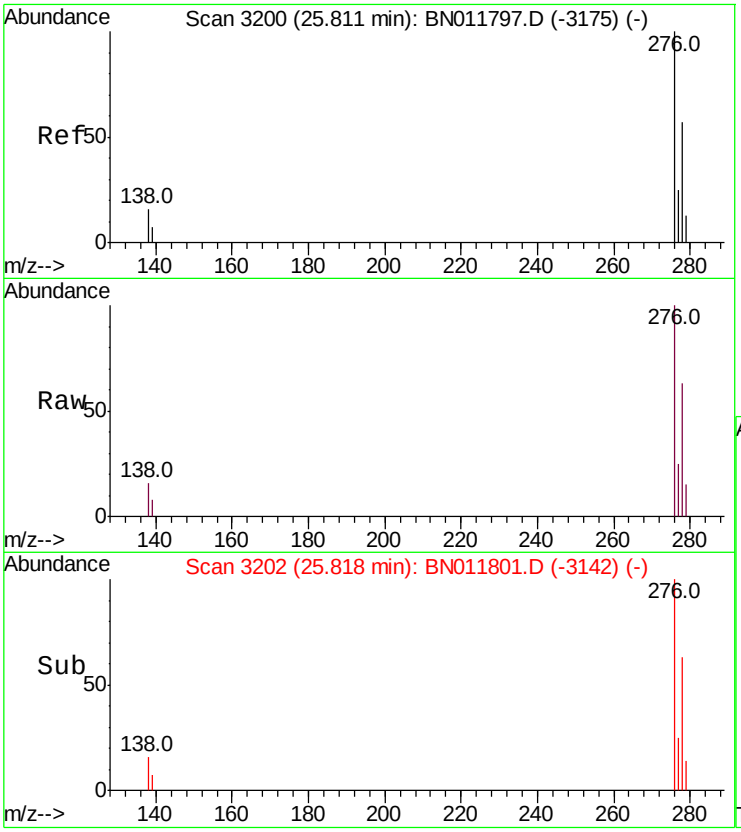


#34
Bis(2-ethylhexyl)phthalate
Concen: 4.239 ng
RT: 21.24 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:149 Resp: 60980

Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.6	35.4
279	4.7	4.0	6.0



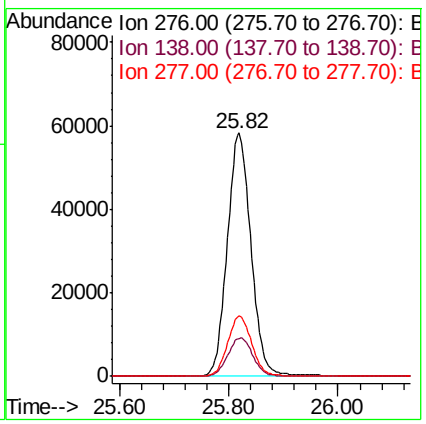


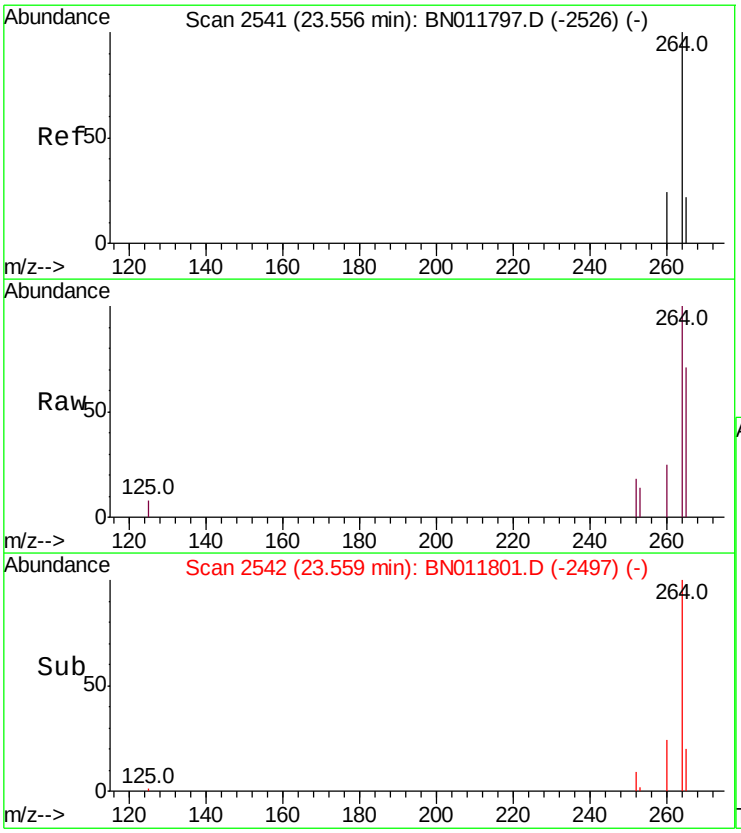
#35
Indeno(1,2,3-cd)pyrene
Concen: 4.400 ng
RT: 25.82 min Scan# 3202
Delta R.T. 0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 174981

Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.0	19.4
277	25.1	20.0	30.0

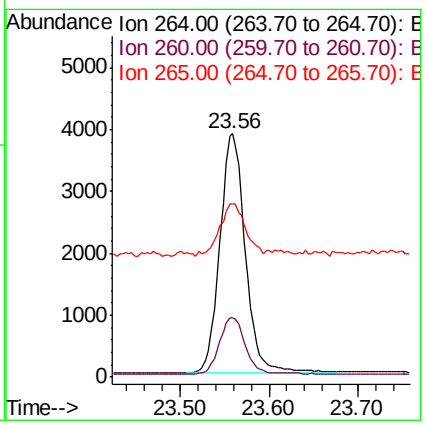


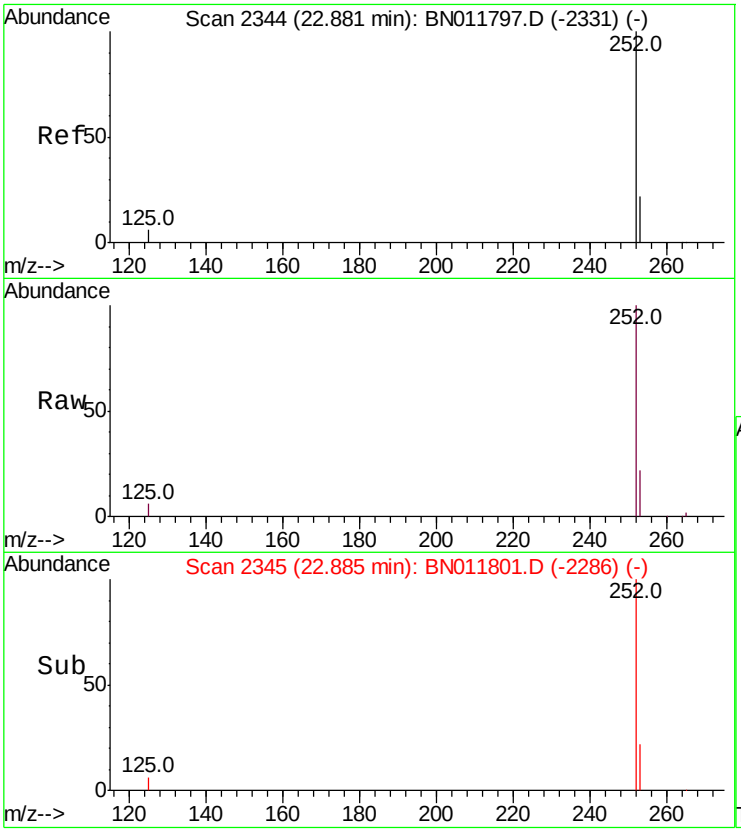


#36
Perylene-d12
Concen: 0.400 ng
RT: 23.56 min Scan# 2542
Delta R.T. 0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:264 Resp: 7666

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	70.9	38.6	58.0#



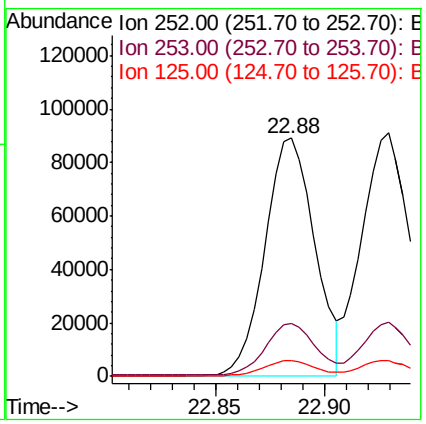


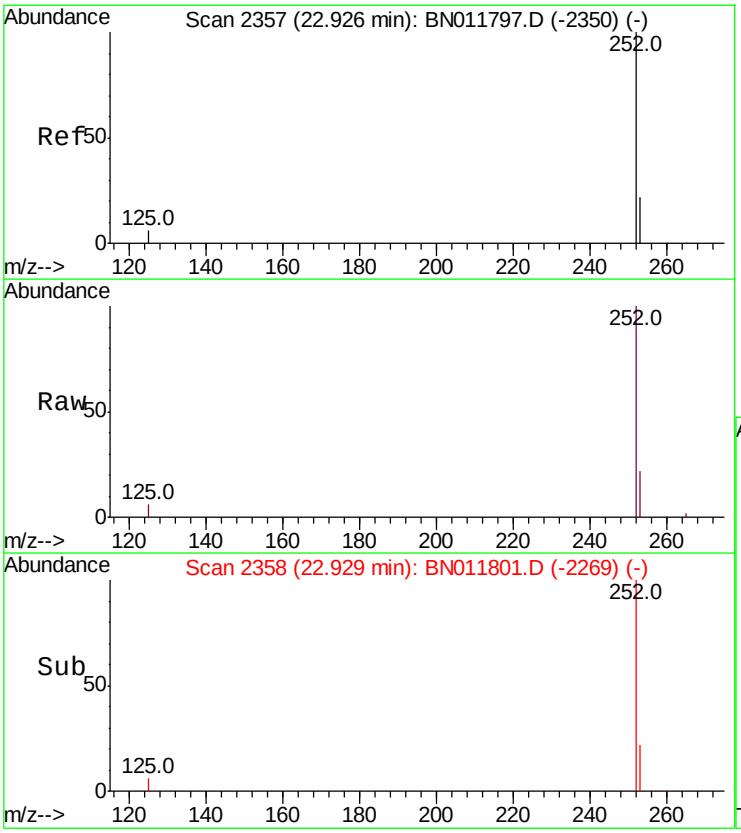
#37
Benzo(b)fluoranthene
Concen: 4.441 ng
RT: 22.88 min Scan# 2345
Delta R.T. 0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 140748

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.1	28.7
125	6.5	6.2	9.2

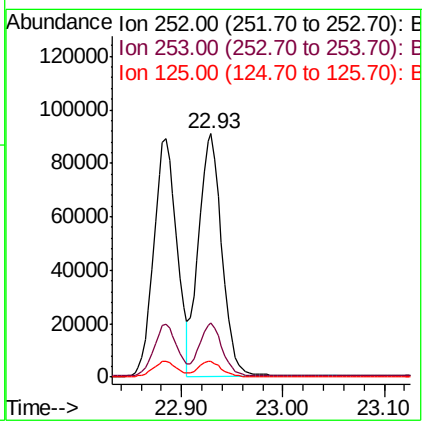


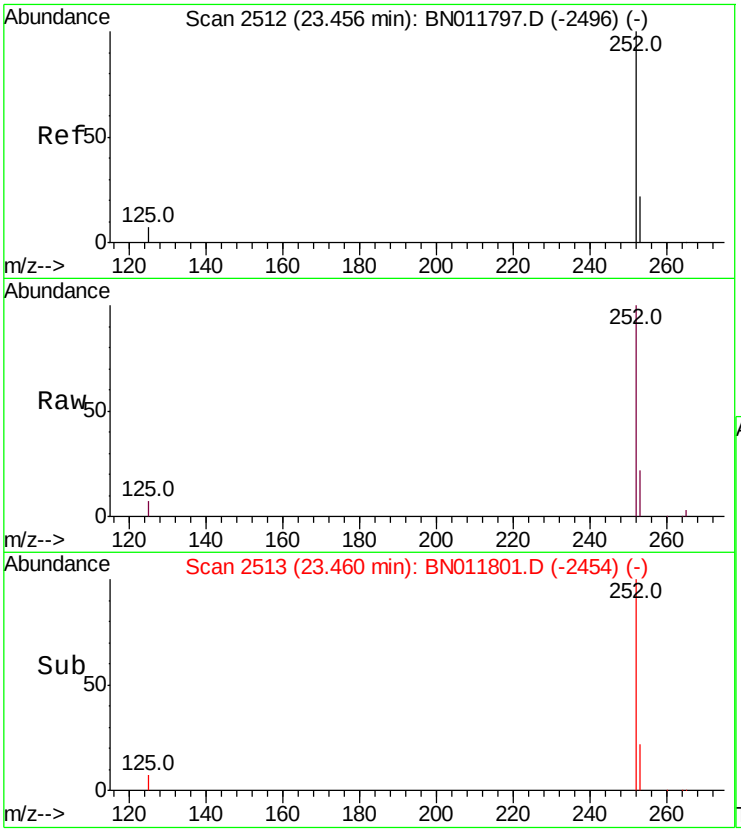


#38
Benzo(k)fluoranthene
Concen: 4.565 ng
RT: 22.93 min Scan# 2358
Delta R.T. 0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:252 Resp: 143916

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.3	28.9
125	6.3	6.0	9.0



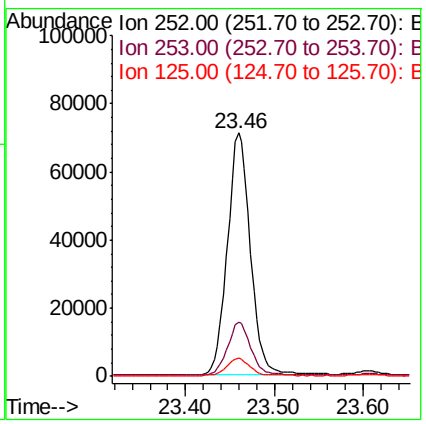


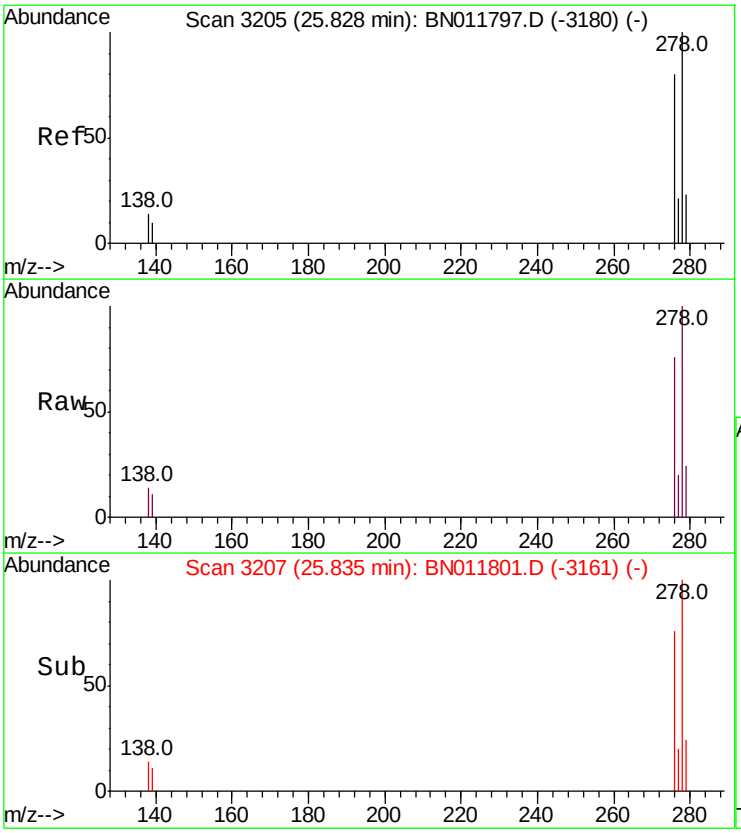
#39
Benzo(a)pyrene
Concen: 4.639 ng
RT: 23.46 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 128598

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.8	29.6
125	7.4	7.3	10.9

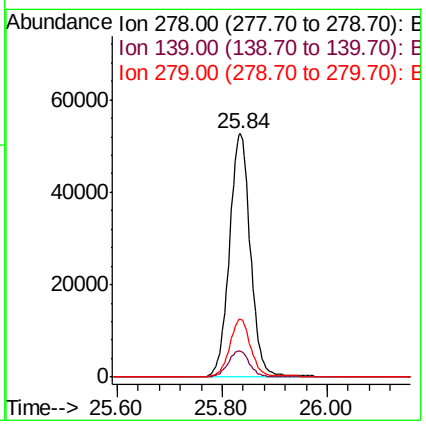


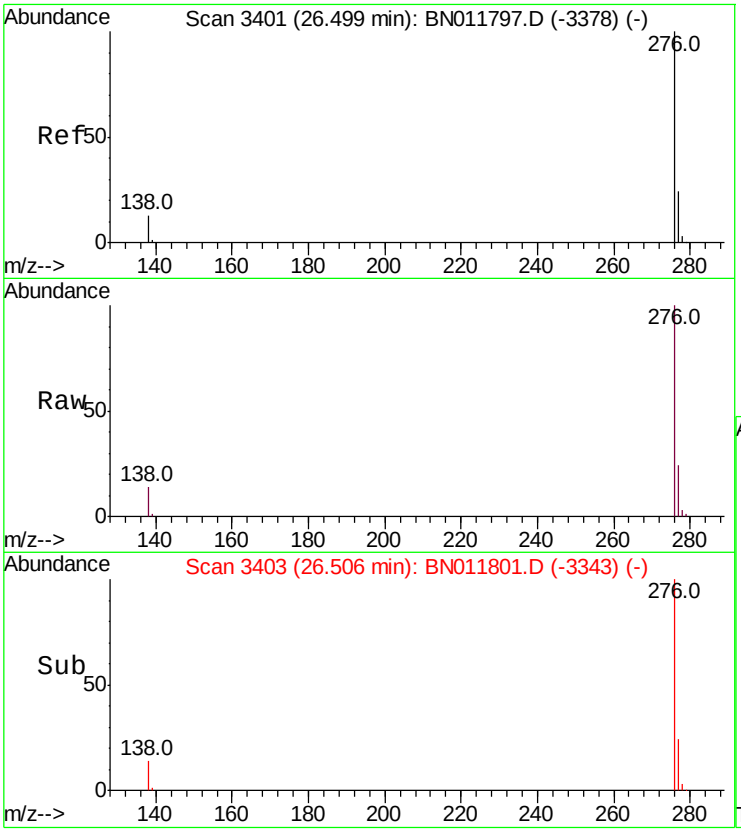


#40
Dibenzo(a,h)anthracene
Concen: 4.635 ng
RT: 25.84 min Scan# 3207
Delta R.T. 0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Tgt Ion:278 Resp: 145832

Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.6	13.0
279	23.8	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 4.573 ng
RT: 26.51 min Scan# 3403
Delta R.T. 0.01 min
Lab File: BN011801.D
Acq: 15 Sep 2020 14:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 144985

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	14.0	11.3	16.9