Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061820\
Data File : BN010957.D
Acq On : 18 Jun 2020 17:25
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jun 18 17:59:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 18 14:14:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2023	0.40	ng		0.00
7) Naphthalene-d8	10.29	136	7136	0.40	ng		0.00
13) Acenaphthene-d10	14.16	164	3845	0.40	ng		0.00
19) Phenanthrene-d10	16.91	188	7819	0.40	ng		0.00
27) Chrysene-d12	21.12	240	6921	0.40	ng		0.00
34) Perylene-d12	23.27	264	7477	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.19	112	1723	0.44	ng		0.00
5) Phenol-d6	6.74	99	2029	0.44	ng		0.00
8) Nitrobenzene-d5	8.68	82	2305	0.44	ng		0.01
11) 2-Methylnaphthalene-d10	11.89	152	6066	0.55	ng		0.00
14) 2,4,6-Tribromophenol	15.67	330	573	0.42	ng		0.01
15) 2-Fluorobiphenyl	12.79	172	6643	0.44	ng		0.01
25) Fluoranthene-d10	18.95	212	10277	0.48	ng		0.00
29) Terphenyl-d14	19.56	244	7561	0.47	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	939	0.474	ng		97
3) n-Nitrosodimethylamine	3.55	42	502	0.436	ng	#	89
6) bis(2-Chloroethyl)ether	6.99	93	1885	0.420	ng		96
9) Naphthalene	10.33	128	7576	0.422	ng		99
10) Hexachlorobutadiene	10.63	225	1789	0.404	ng	#	99
12) 2-Methylnaphthalene	11.96	142	5684	0.474	ng		99
16) Acenaphthylene	13.88	152	6520	0.414	ng		99
17) Acenaphthene	14.22	154	4511	0.420	ng		99
18) Fluorene	15.22	166	5750	0.415	ng		98
20) 4-Bromophenyl-phenylether	16.11	248	2116	0.450	ng	#	84
21) Hexachlorobenzene	16.23	284	2240	0.457	ng		98
22) Pentachlorophenol	16.58	266	647	0.393	ng		97
23) Phenanthrene	16.95	178	8671	0.406	ng		99
24) Anthracene	17.05	178	7120	0.399	ng		99
26) Fluoranthene	18.98	202	9712	0.401	ng		100
28) Pyrene	19.35	202	9629	0.421	ng		100
30) Benzo(a)anthracene	21.10	228	8288	0.407	ng		98
31) Chrysene	21.15	228	10100	0.426	ng		98
32) Bis(2-ethylhexyl)phthalate	21.06	149	3013	0.444	ng		96
33) Indeno(1,2,3-cd)pyrene	25.37	276	12074	0.456	ng		99
35) Benzo(b)fluoranthene	22.63	252	9588	0.377	ng		99
36) Benzo(k)fluoranthene	22.67	252	11841	0.437	ng		99
37) Benzo(a)pyrene	23.17	252	9034	0.414	ng		98
38) Dibenzo(a,h)anthracene	25.38	278	9570	0.385	ng		98
39) Benzo(g,h,i)perylene	26.00	276	9973	0.384	ng		99

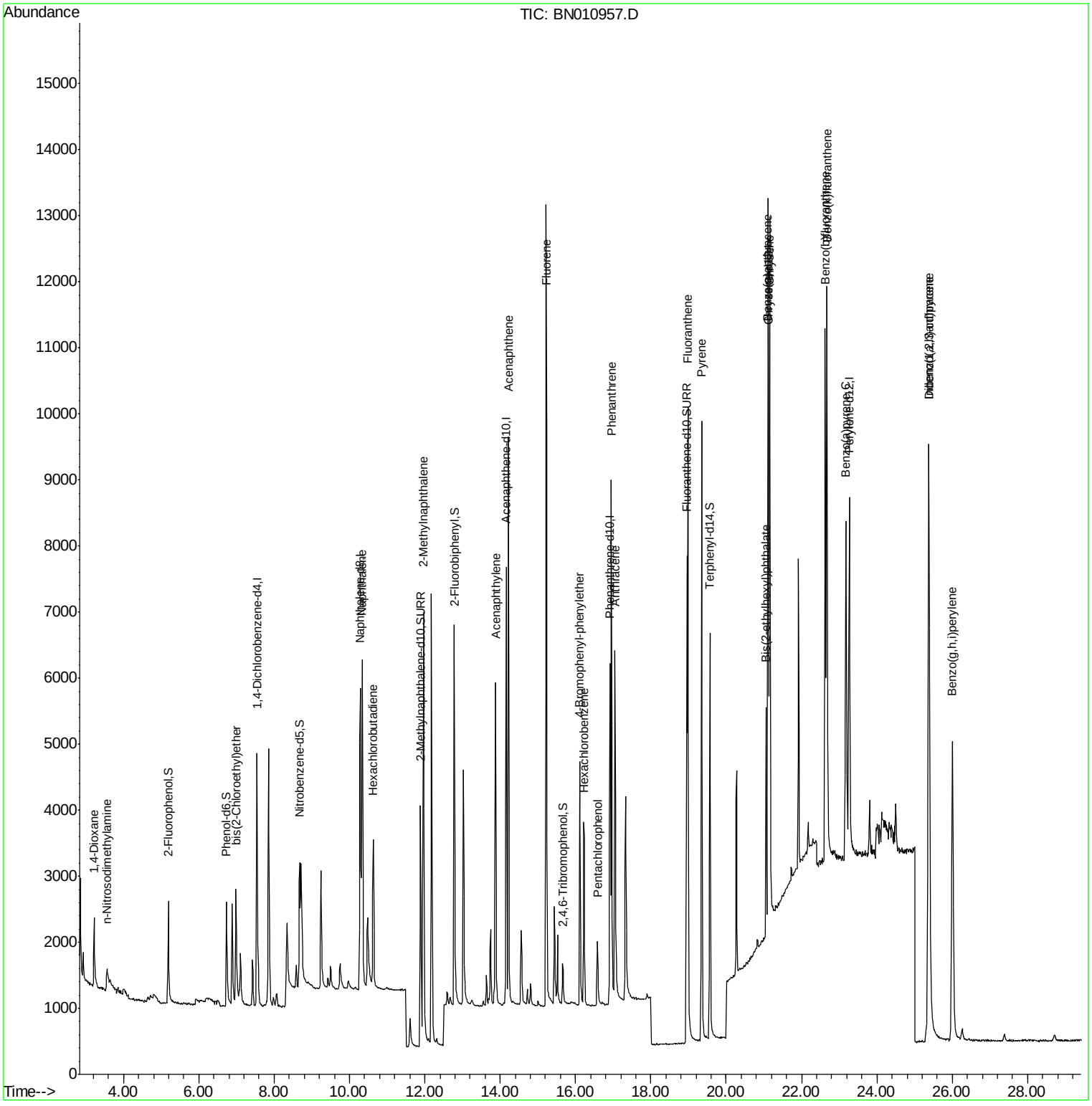
(#) = qualifier out of range (m) = manual integration (+) = signals summed

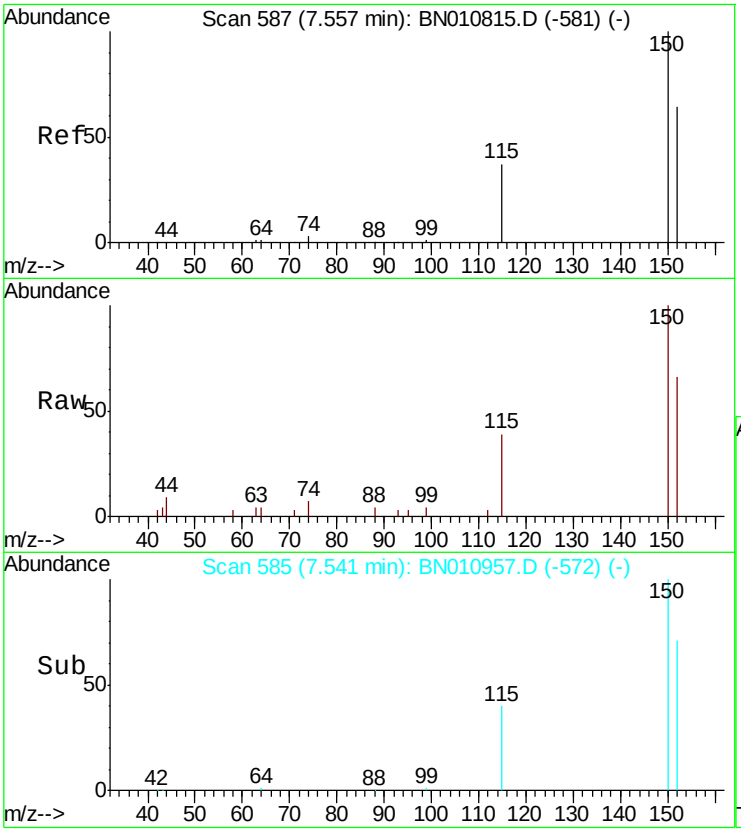
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061820\
Data File : BN010957.D
Acq On : 18 Jun 2020 17:25
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 18 17:59:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 18 14:14:42 2020
Response via : Initial Calibration



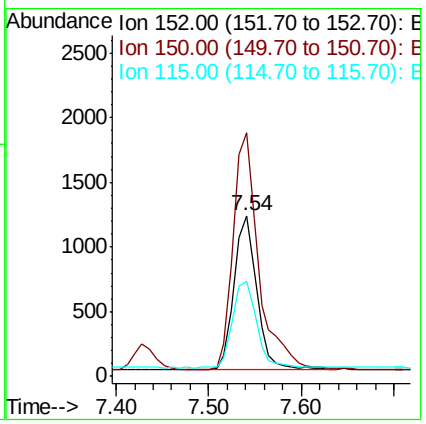


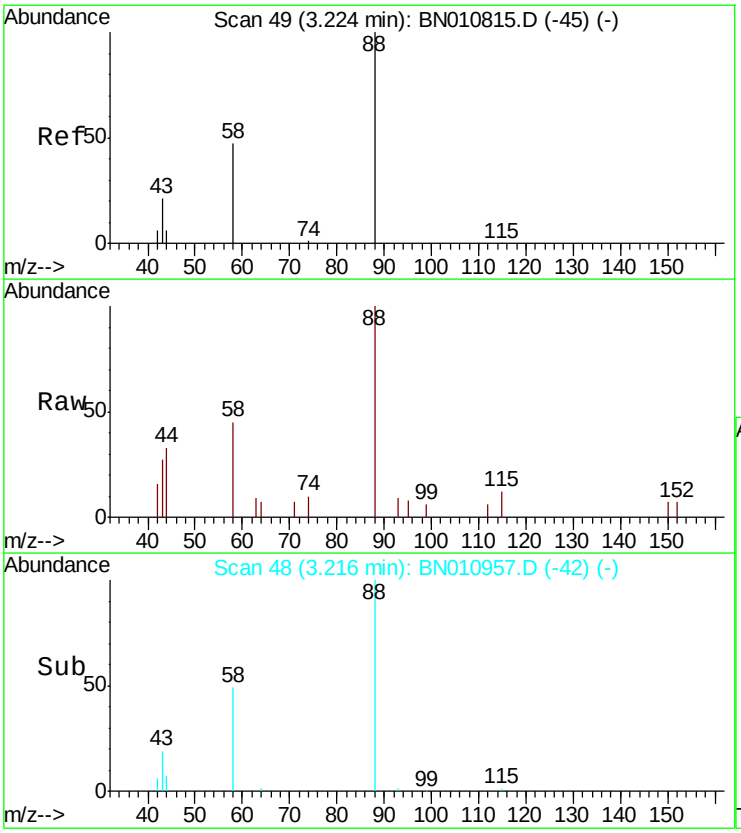
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. 0.01 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2023

Ion	Ratio	Lower	Upper
152	100		
150	151.7	123.8	185.6
115	59.1	49.2	73.8

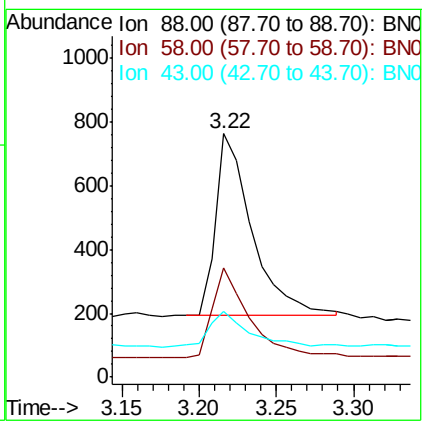


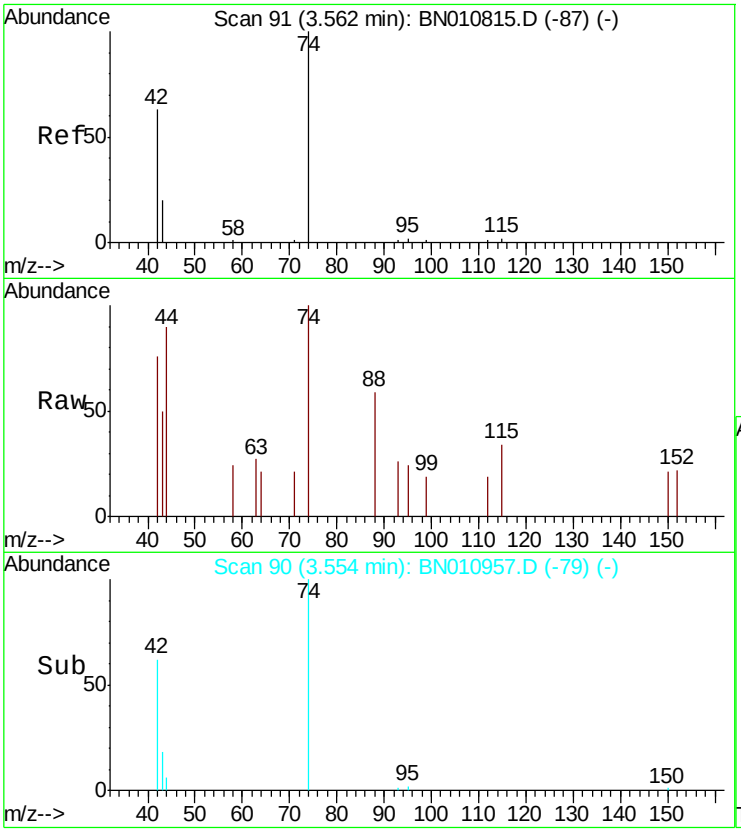


#2
1,4-Dioxane
Concen: 0.474 ng
RT: 3.22 min Scan# 48
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion: 88 Resp: 939

Ion	Ratio	Lower	Upper
88	100		
58	50.1	38.2	57.4
43	19.4	15.1	22.7



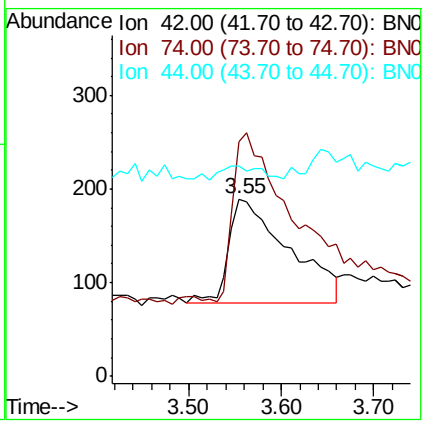


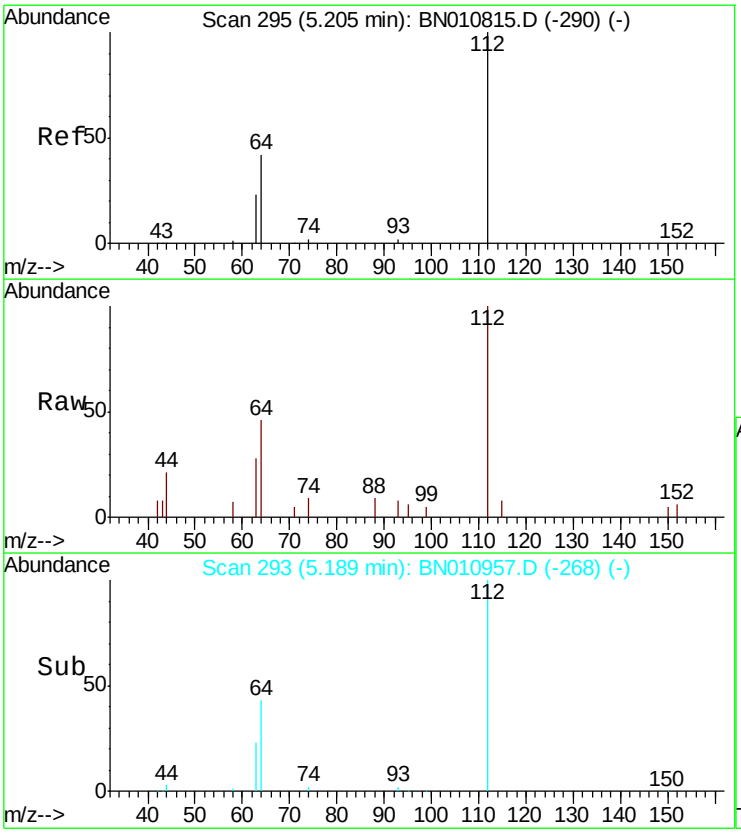
#3
n-Nitrosodimethylamine
Concen: 0.436 ng
RT: 3.55 min Scan# 90
Delta R.T. -0.01 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 502

Ion	Ratio	Lower	Upper
42	100		
74	160.6	140.7	211.1
44	8.0	1.4	2.2#

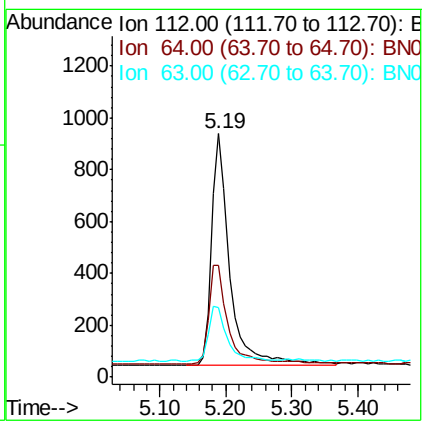


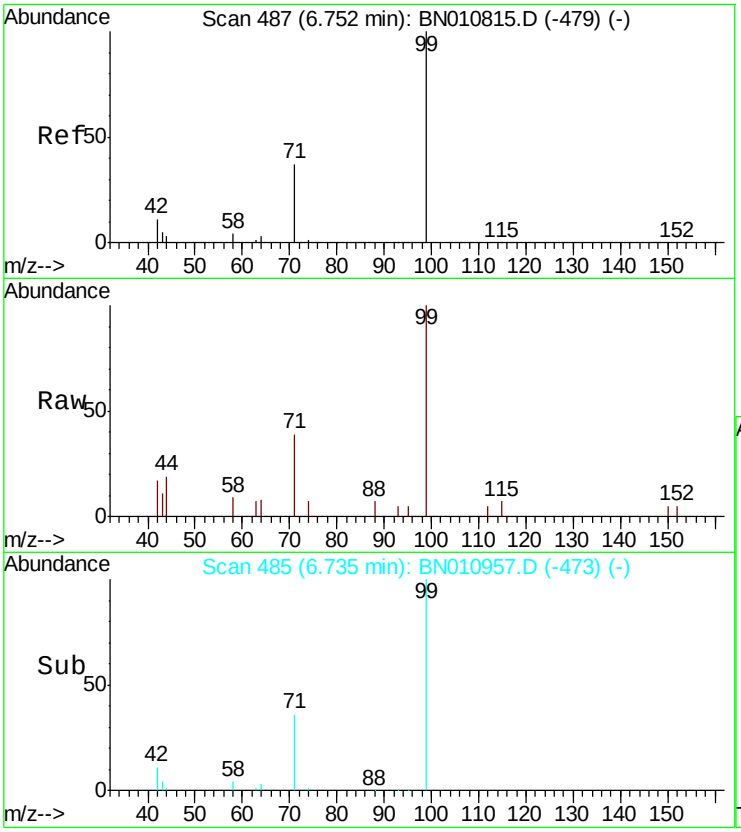


#4
2-Fluorophenol
Concen: 0.441 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:112 Resp: 1723

Ion	Ratio	Lower	Upper
112	100		
64	45.0	37.4	56.0
63	24.1	22.2	33.4



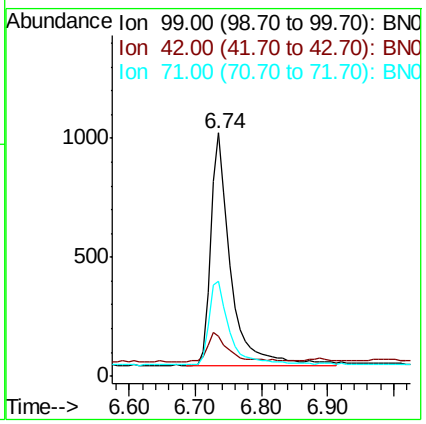


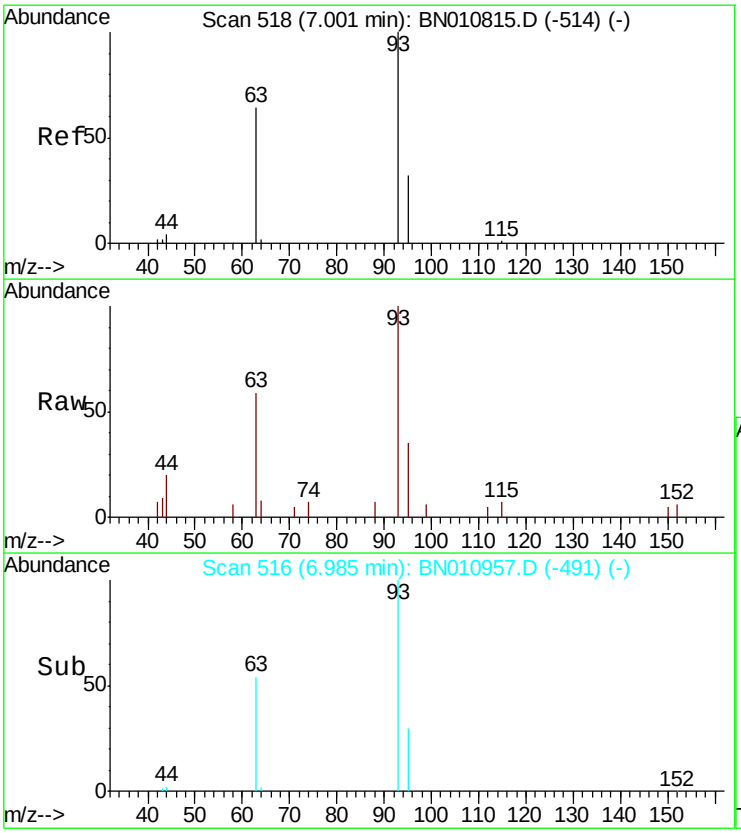
#5
Phenol-d6
Concen: 0.441 ng
RT: 6.74 min Scan# 485
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2029

Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.1	16.7
71	37.9	31.4	47.2

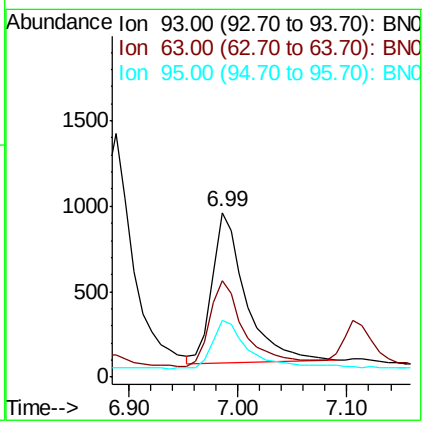


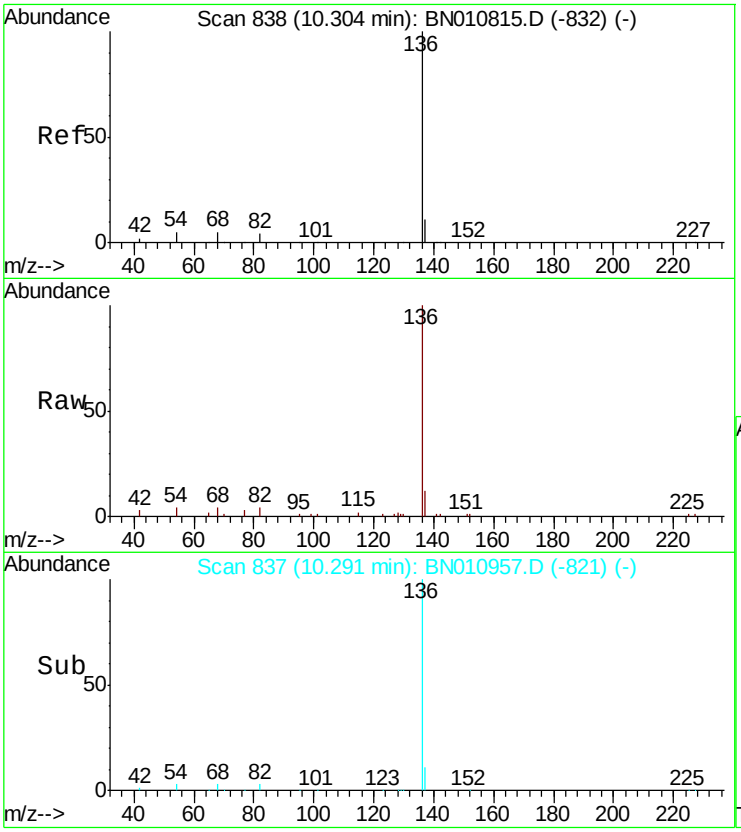


#6
bis(2-Chloroethyl)ether
Concen: 0.420 ng
RT: 6.99 min Scan# 516
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion: 93 Resp: 1885

Ion	Ratio	Lower	Upper
93	100		
63	59.6	49.4	74.2
95	36.8	26.7	40.1



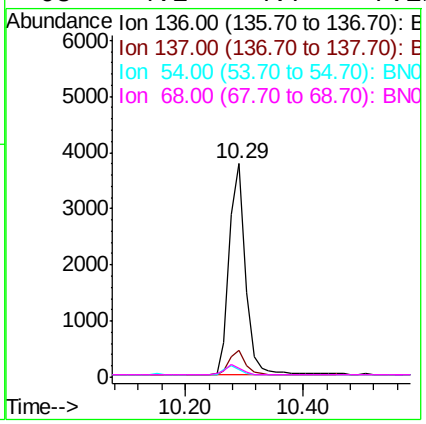


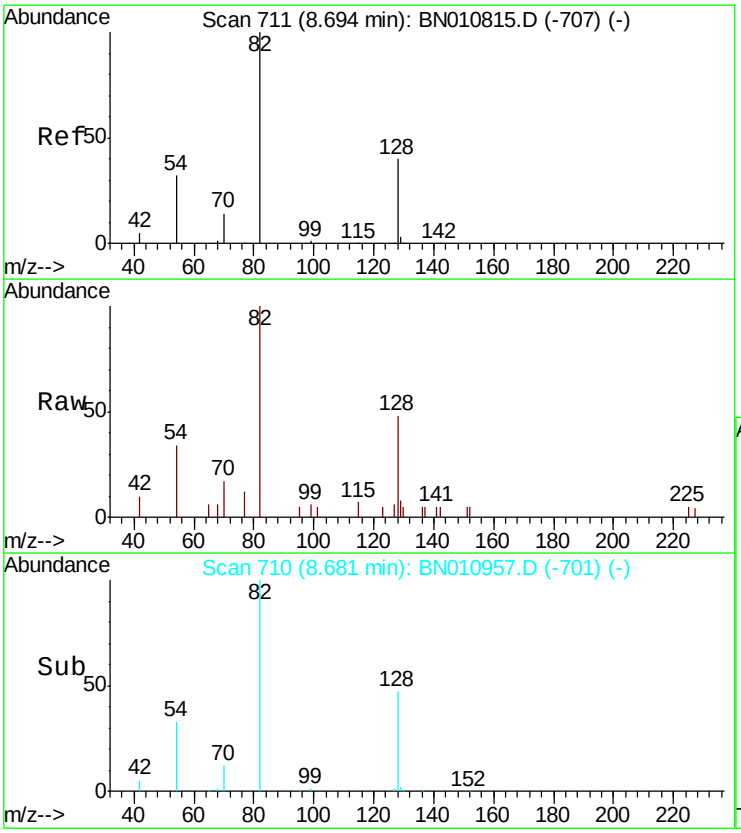
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.29 min Scan# 837
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 7136

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	3.9	4.9	7.3#
68	4.2	4.7	7.1#

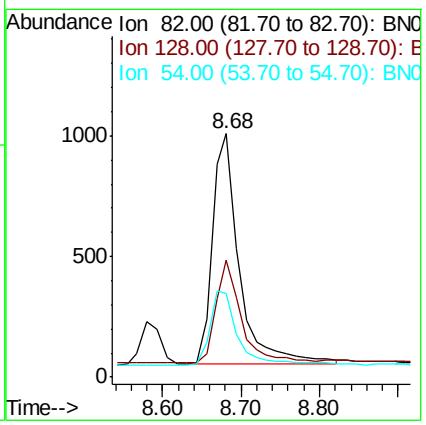


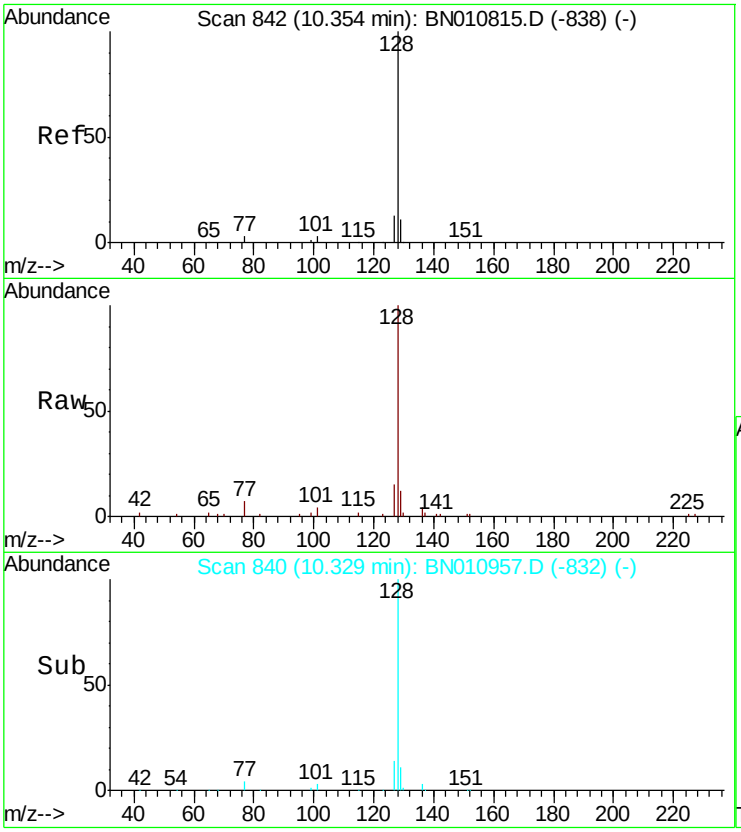


#8
Nitrobenzene-d5
Concen: 0.436 ng
RT: 8.68 min Scan# 710
Delta R.T. 0.01 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion: 82 Resp: 2305

Ion	Ratio	Lower	Upper
82	100		
128	48.1	35.4	53.0
54	34.5	28.2	42.4



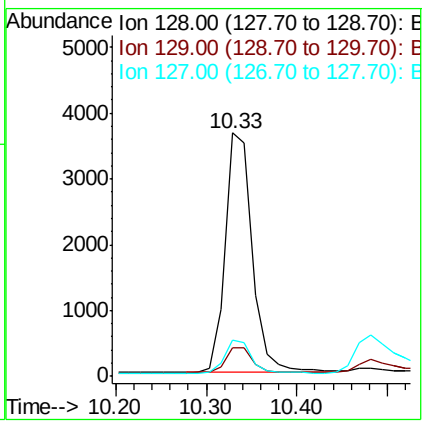


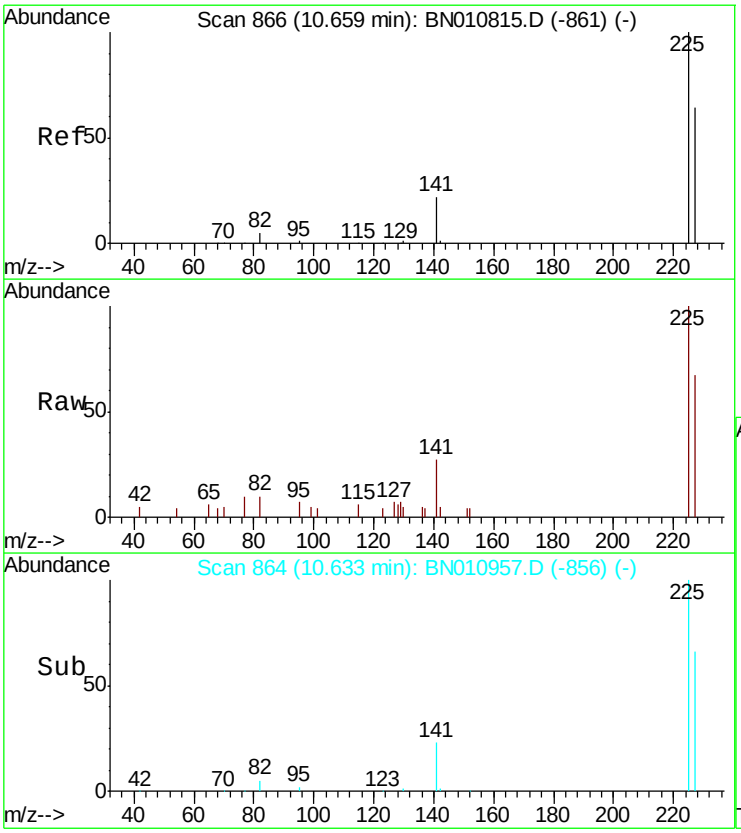
#9
Naphthalene
Concen: 0.422 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 7576

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	14.9	11.4	17.2

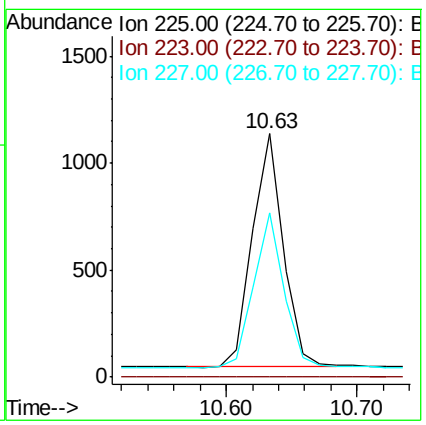


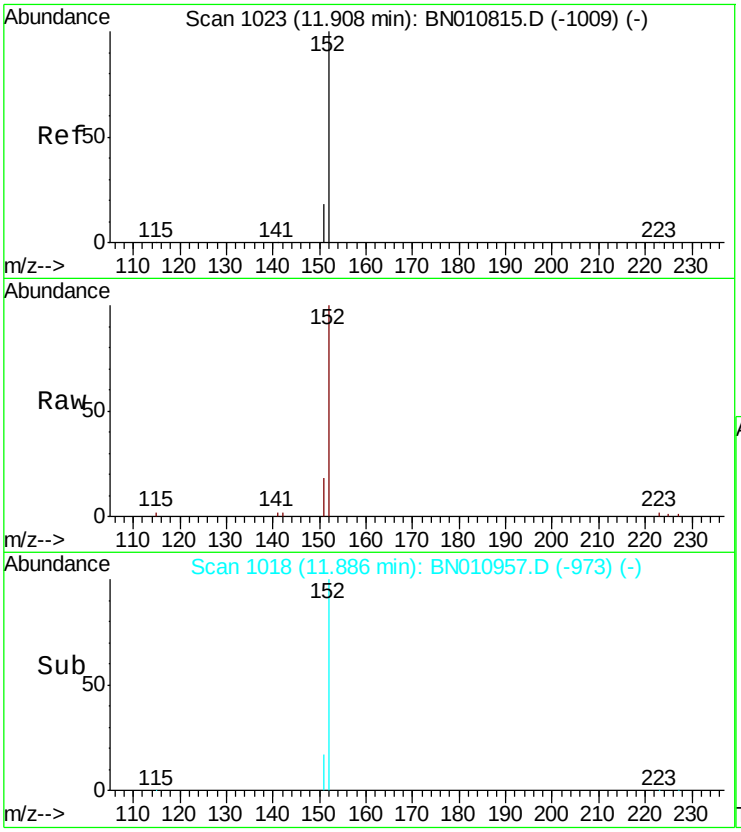


#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 10.63 min Scan# 864
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:225 Resp: 1789

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.5	75.7



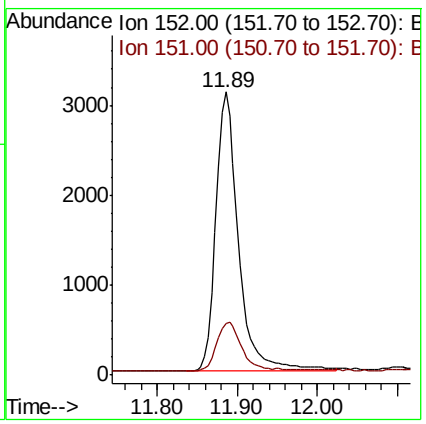


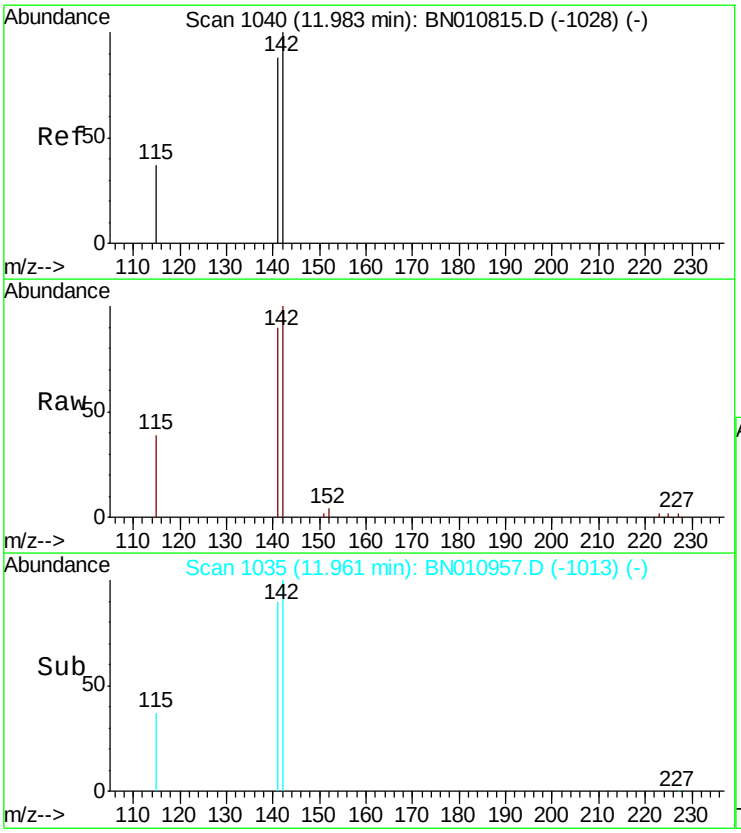
#11
2-Methylnaphthalene-d10
Concen: 0.548 ng
RT: 11.89 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6066

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9

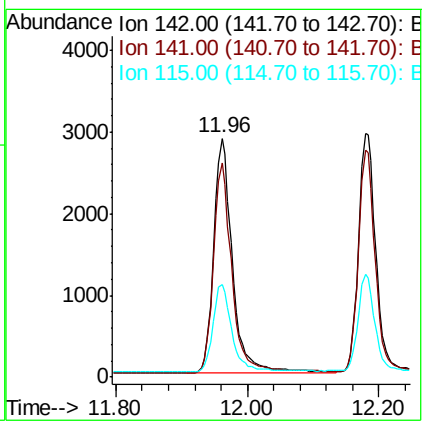


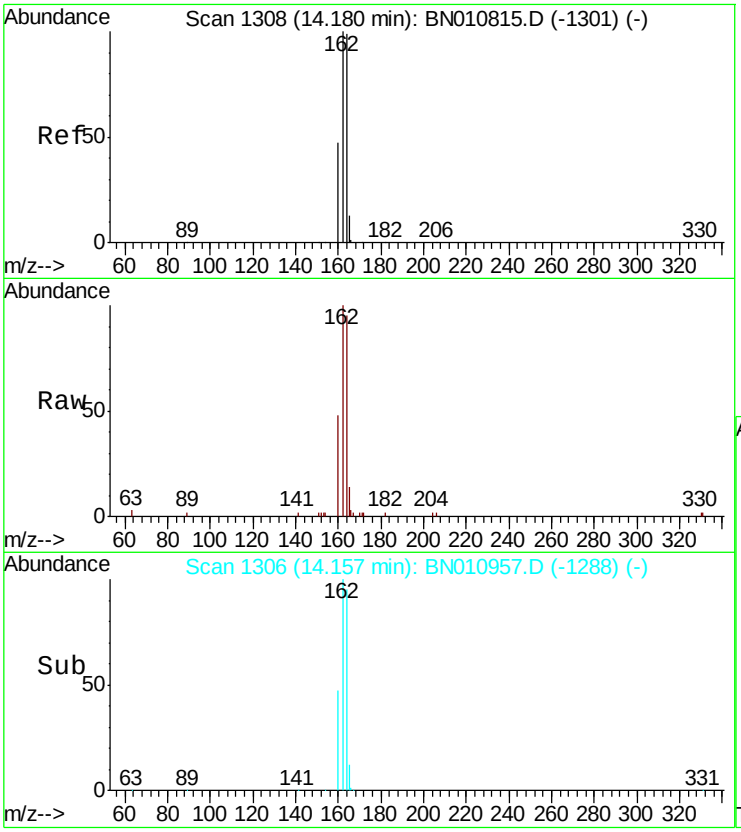


#12
2-Methylnaphthalene
Concen: 0.474 ng
RT: 11.96 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:142 Resp: 5684

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2
115	38.9	31.5	47.3



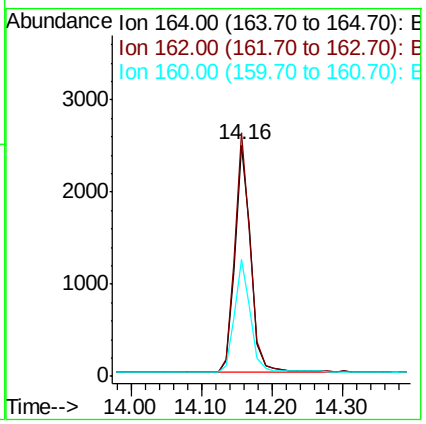


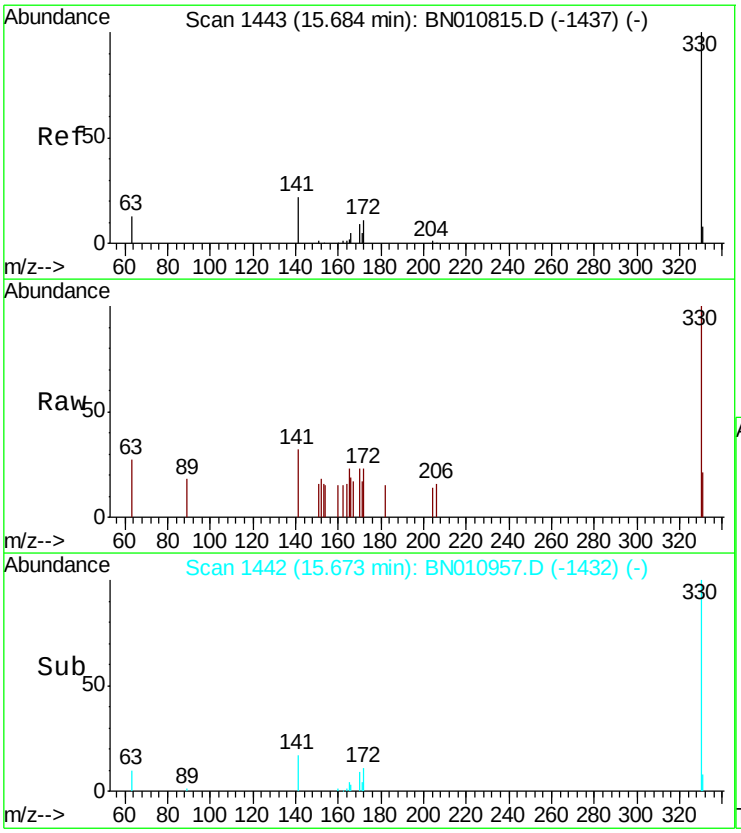
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3845

Ion	Ratio	Lower	Upper
164	100		
162	105.4	81.0	121.6
160	50.4	38.9	58.3

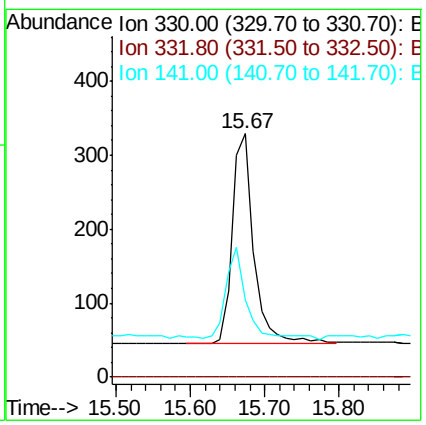


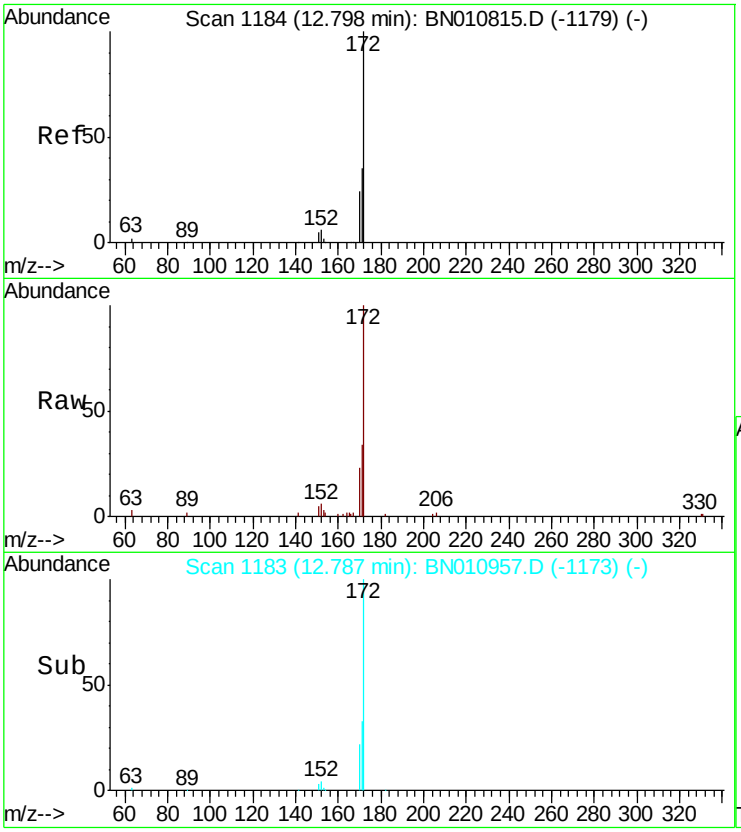


#14
2,4,6-Tribromophenol
Concen: 0.417 ng
RT: 15.67 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:330 Resp: 573

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.9	33.2	49.8



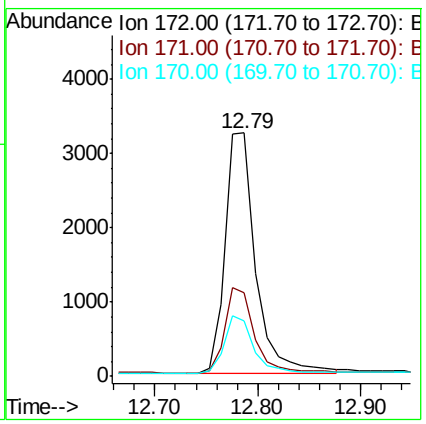


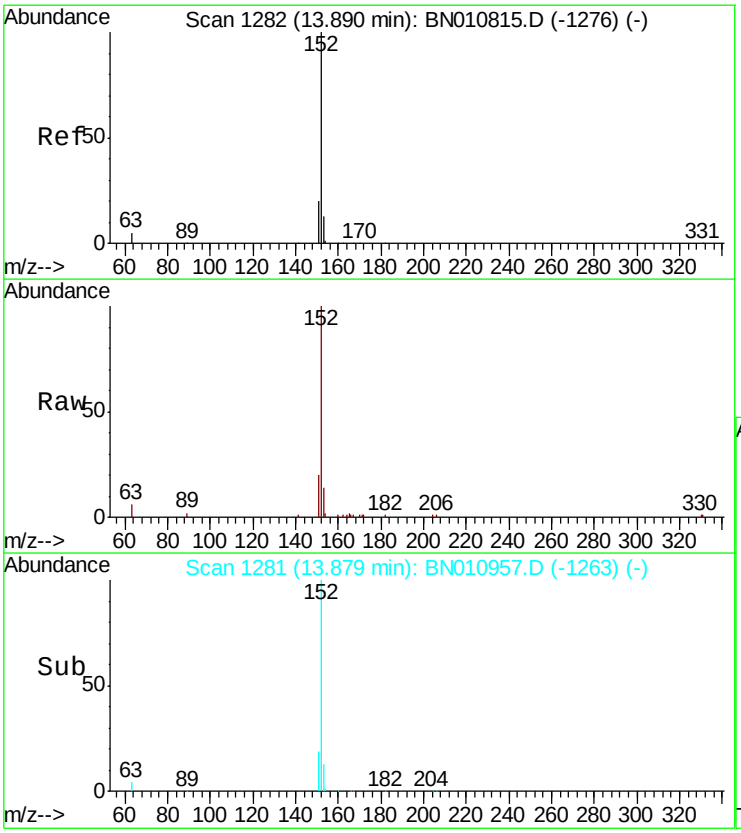
#15
2-Fluorobiphenyl
Concen: 0.438 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 6643

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.5	42.7
170	22.8	19.7	29.5

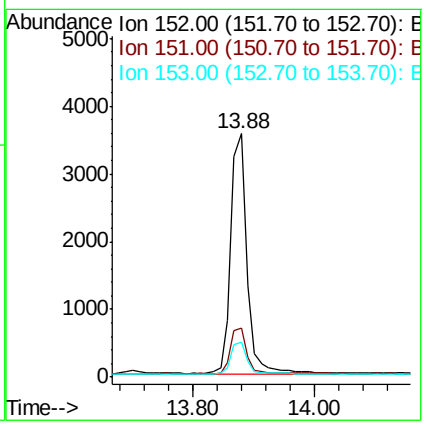


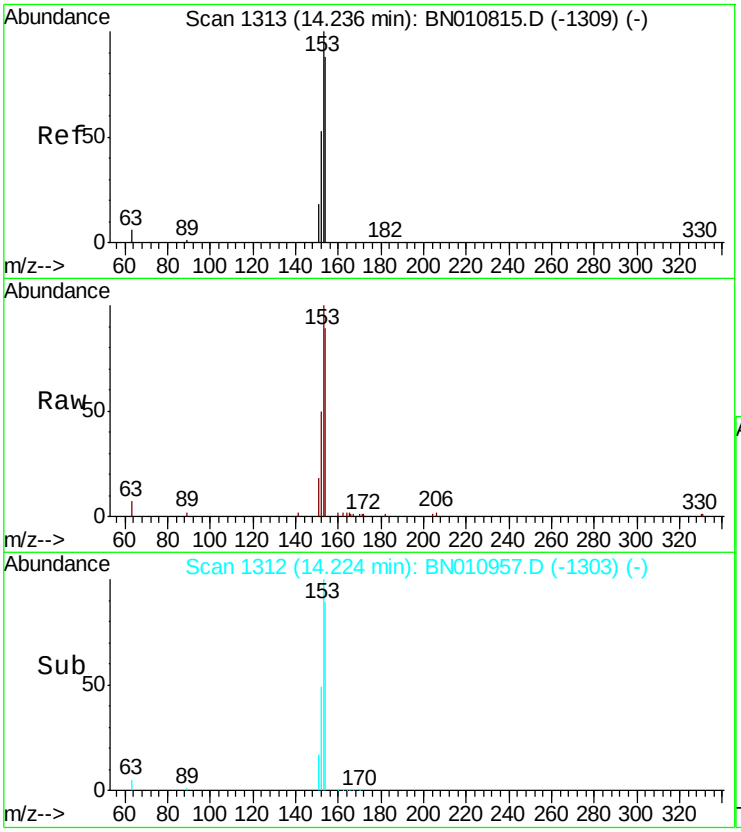


#16
Acenaphthylene
Concen: 0.414 ng
RT: 13.88 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:152 Resp: 6520

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.6	23.4
153	13.0	10.6	16.0



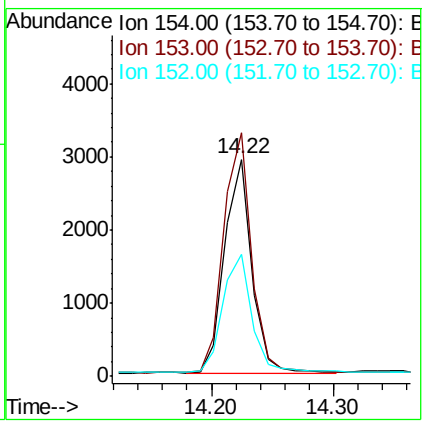


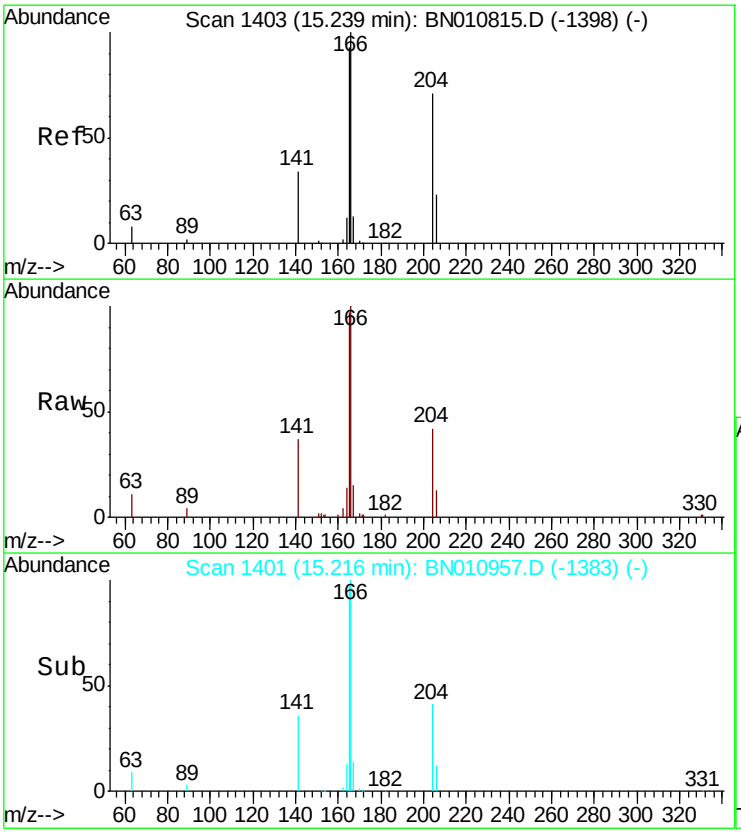
#17
Acenaphthene
Concen: 0.420 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4511

Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.8	137.6
152	59.3	47.6	71.4

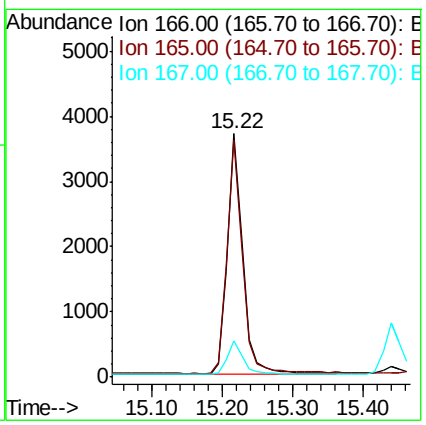


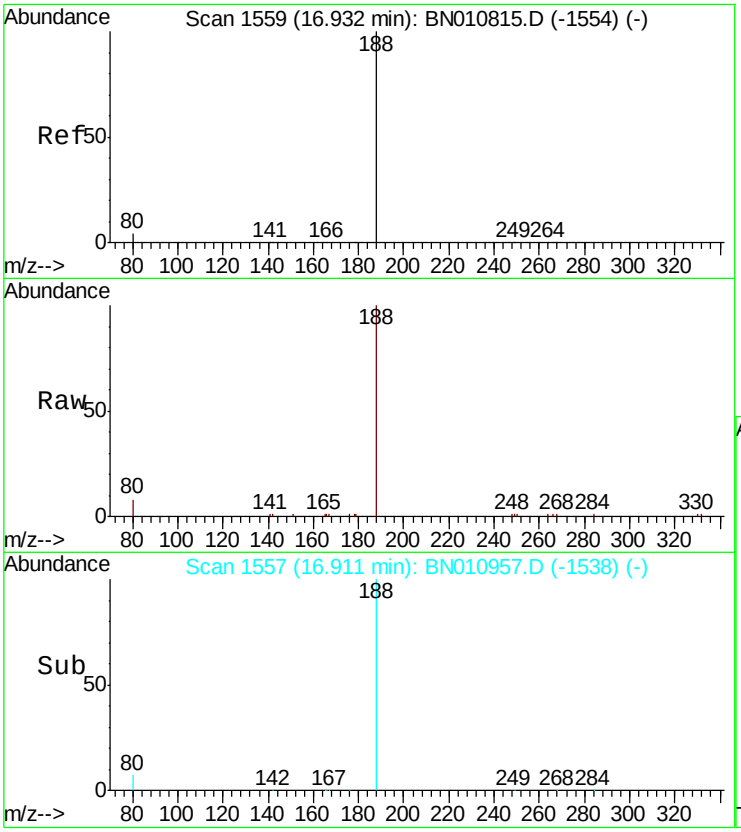


#18
Fluorene
Concen: 0.415 ng
RT: 15.22 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:166 Resp: 5750

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.2	115.8
167	13.6	10.7	16.1



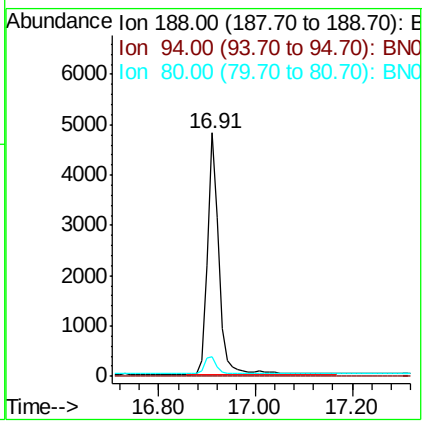


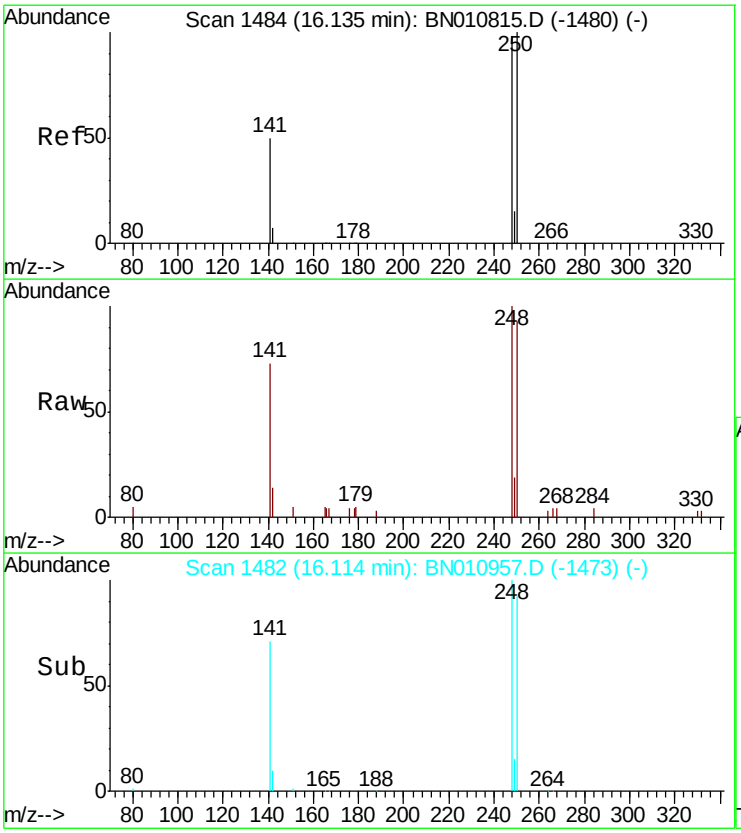
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 7819

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	4.5	6.7#

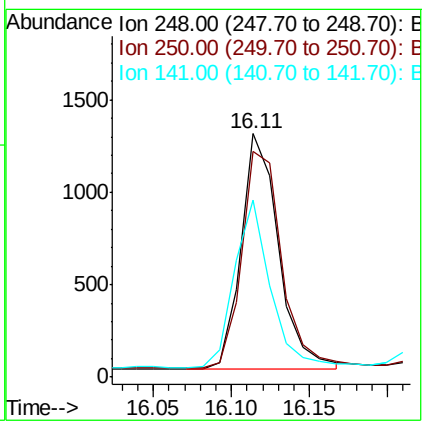


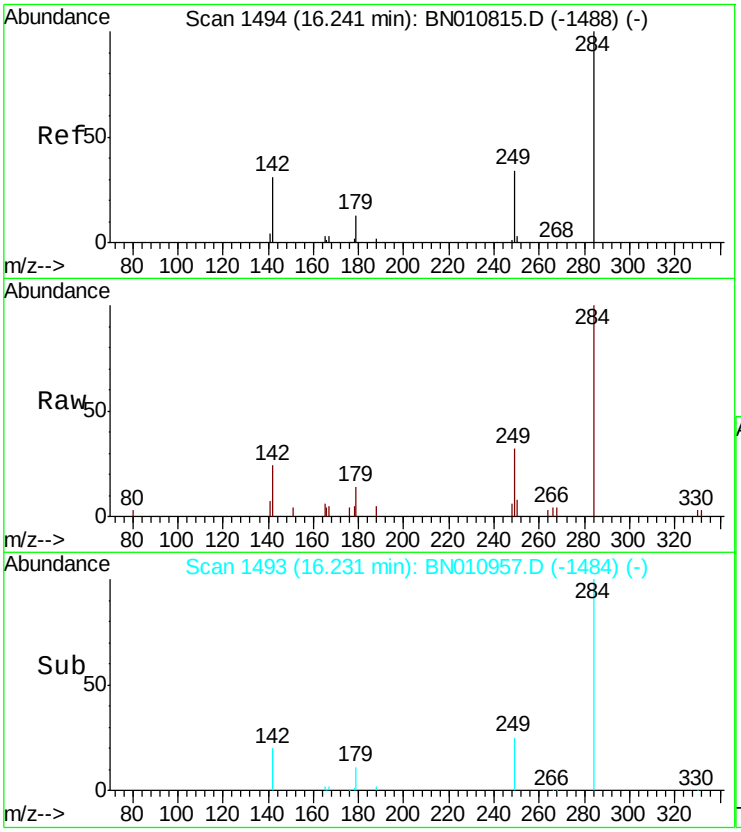


#20
4-Bromophenyl-phenylether
Concen: 0.450 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:248 Resp: 2116

Ion	Ratio	Lower	Upper
248	100		
250	92.9	81.8	122.8
141	73.0	42.6	64.0#



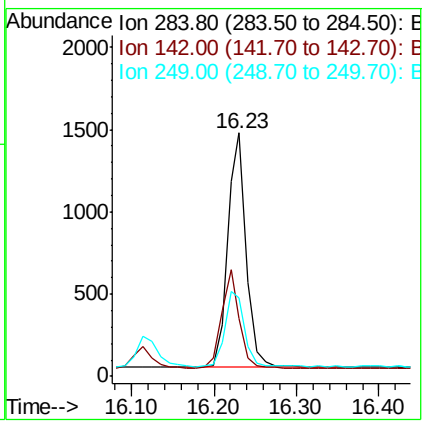


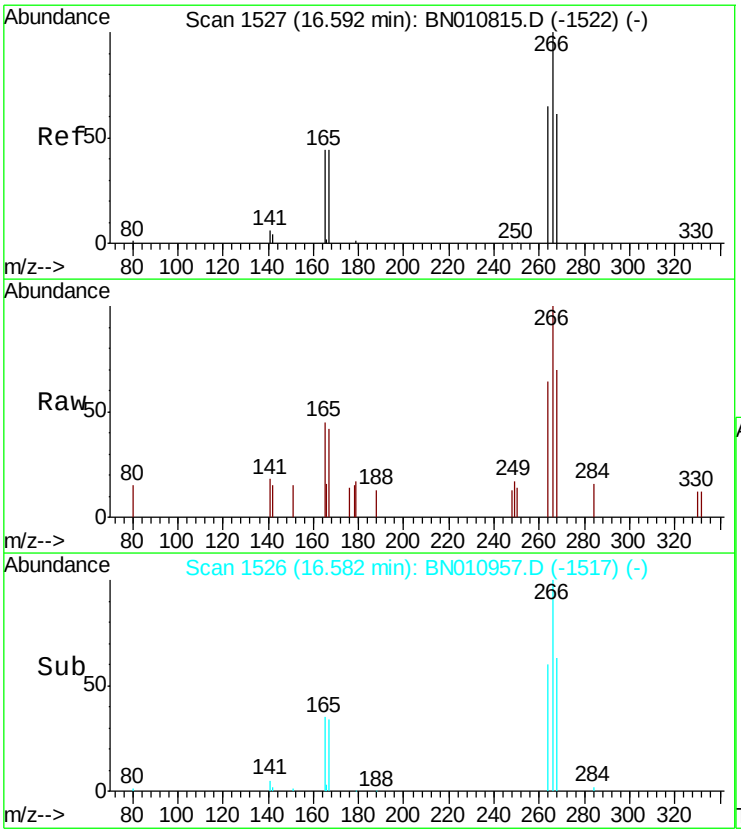
#21
Hexachlorobenzene
Concen: 0.457 ng
RT: 16.23 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2240

Ion	Ratio	Lower	Upper
284	100		
142	40.4	31.0	46.4
249	34.6	27.1	40.7

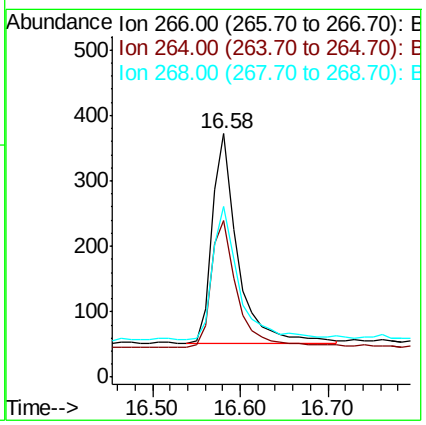


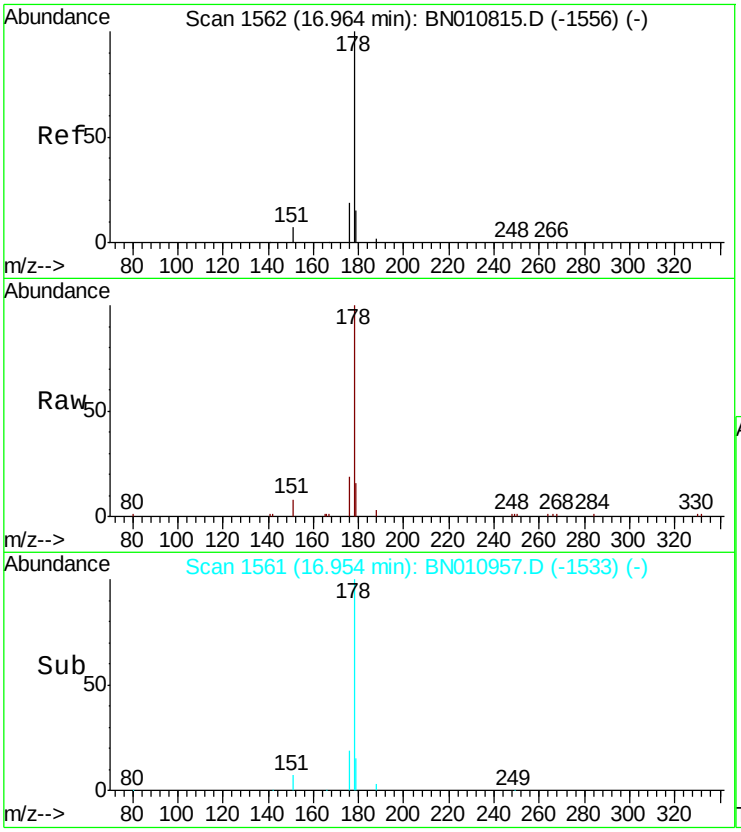


#22
Pentachlorophenol
Concen: 0.393 ng
RT: 16.58 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:266 Resp: 647

Ion	Ratio	Lower	Upper
266	100		
264	64.2	54.8	82.2
268	69.9	55.9	83.9



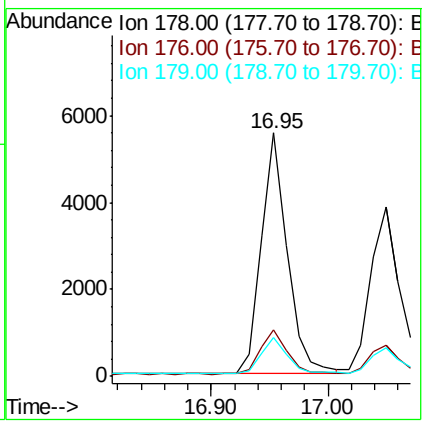


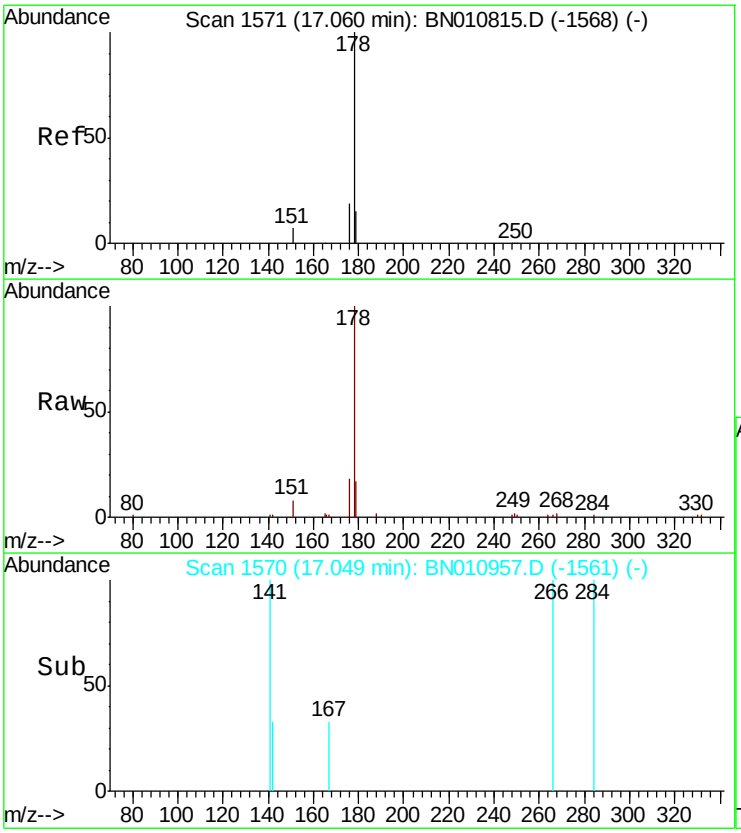
#23
Phenanthrene
Concen: 0.406 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8671

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.1	12.6	19.0

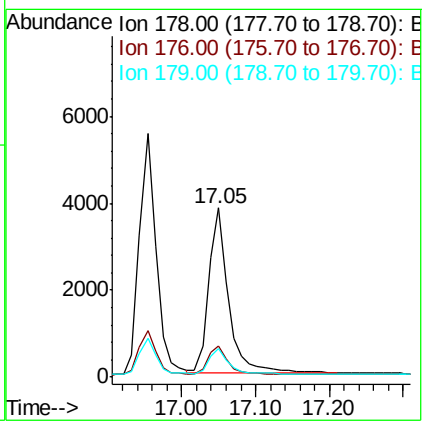


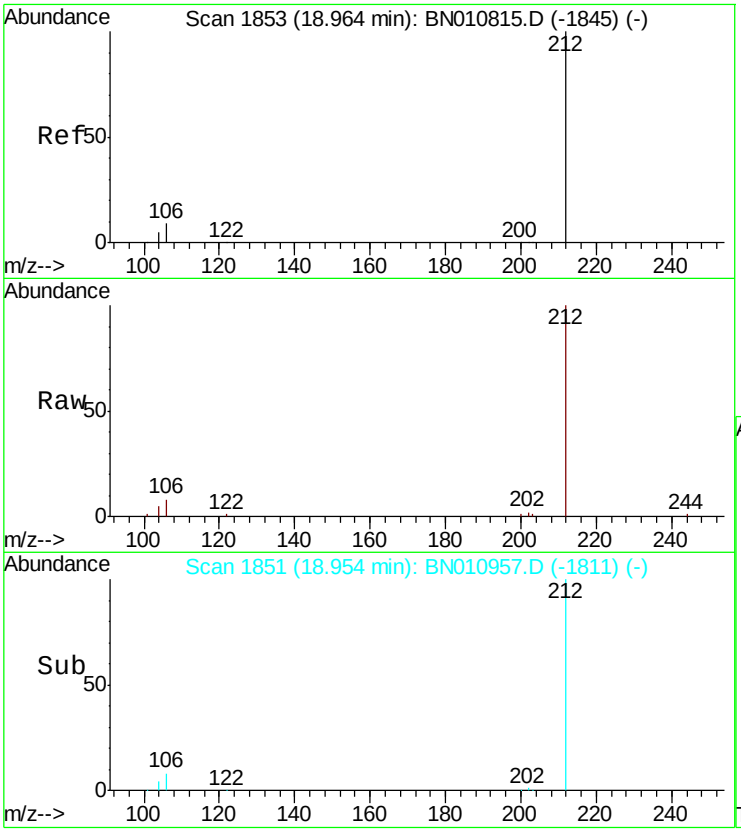


#24
Anthracene
Concen: 0.399 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:178 Resp: 7120

Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.6	22.0
179	15.1	12.3	18.5



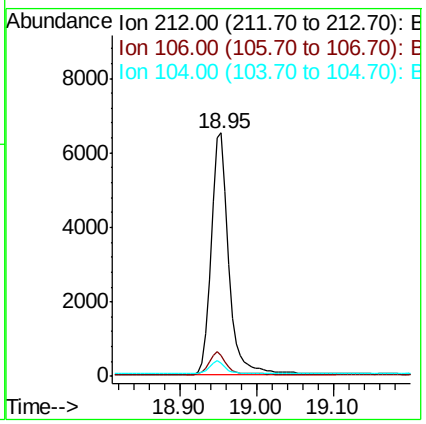


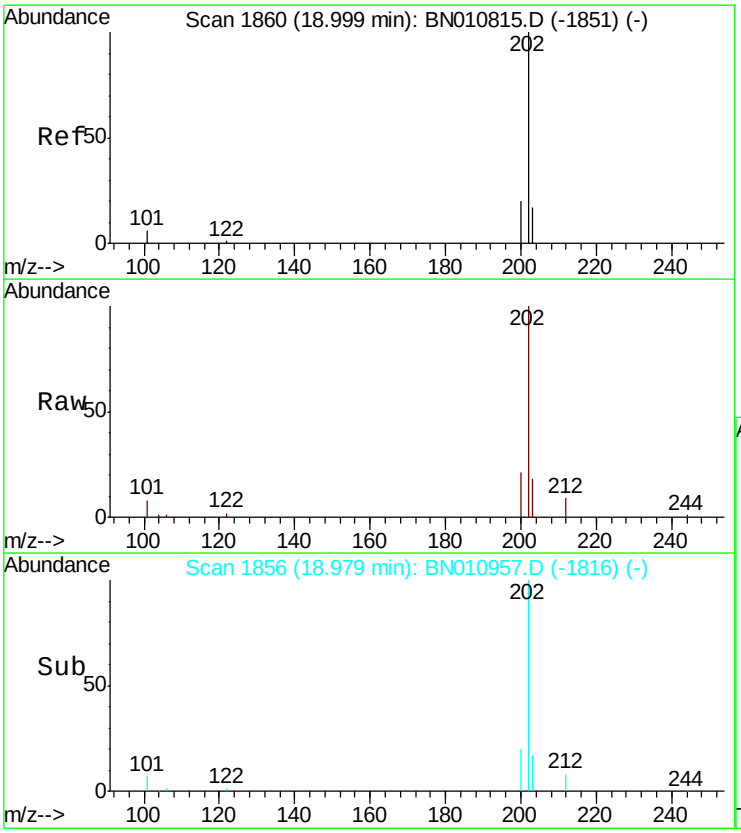
#25
Fluoranthene-d10
Concen: 0.476 ng
RT: 18.95 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 10277

Ion	Ratio	Lower	Upper
212	100		
106	8.9	6.6	10.0
104	5.1	4.0	6.0

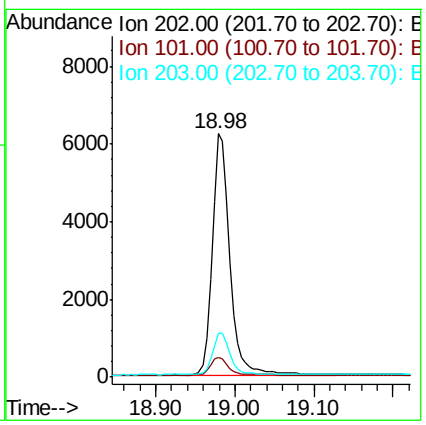


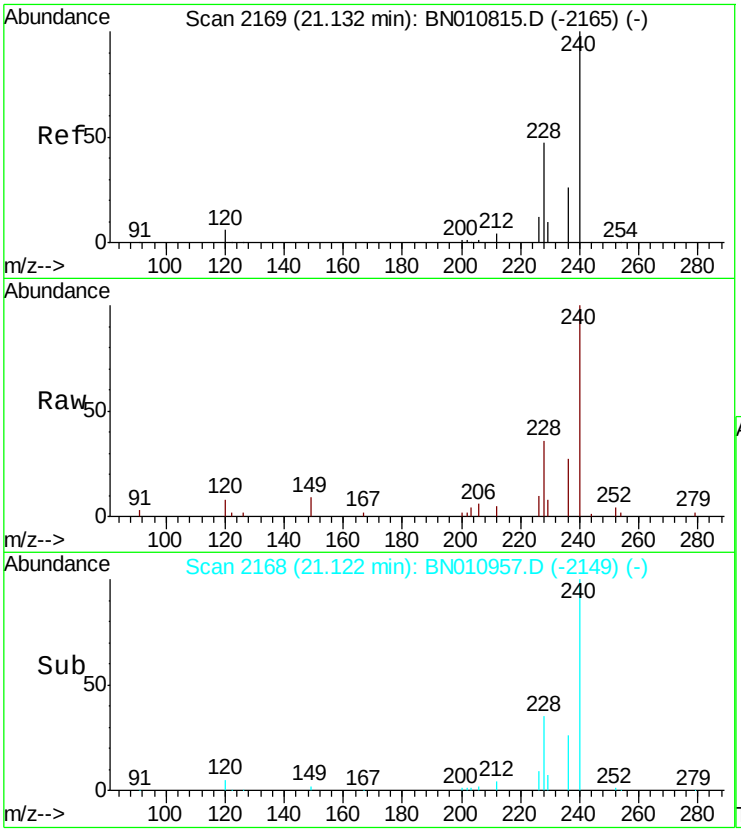


#26
Fluoranthene
Concen: 0.401 ng
RT: 18.98 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:202 Resp: 9712

Ion	Ratio	Lower	Upper
202	100		
101	7.6	5.8	8.6
203	17.1	13.7	20.5



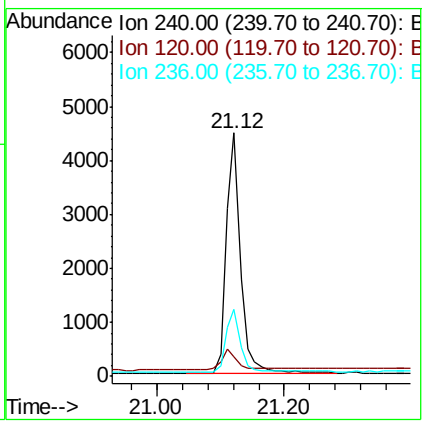


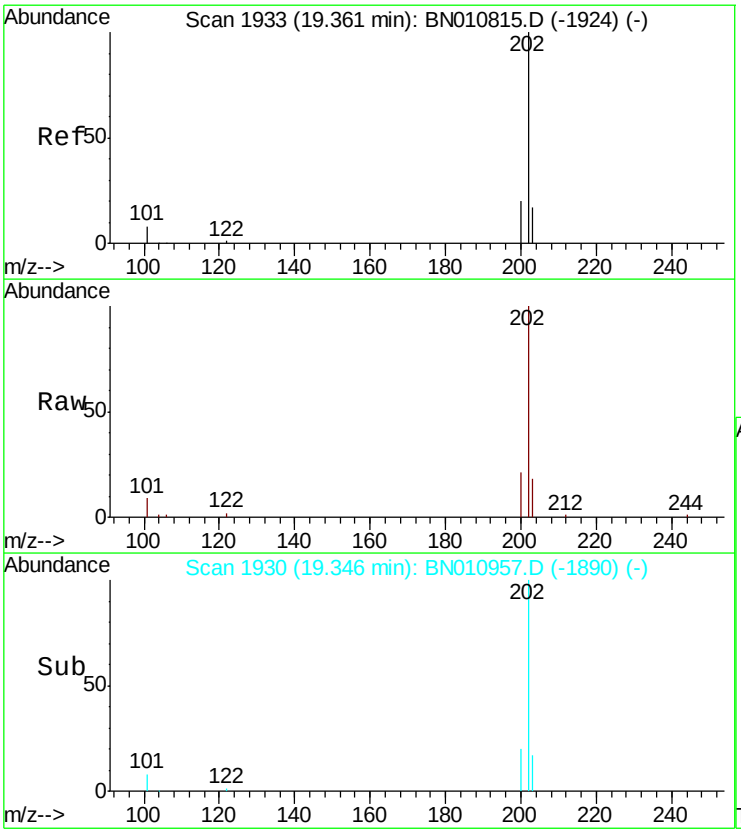
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 6921

Ion	Ratio	Lower	Upper
240	100		
120	7.8	7.5	11.3
236	27.5	22.3	33.5

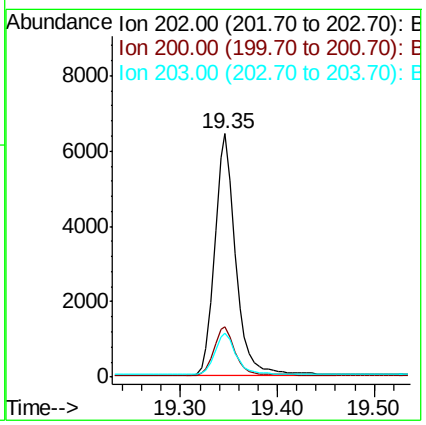


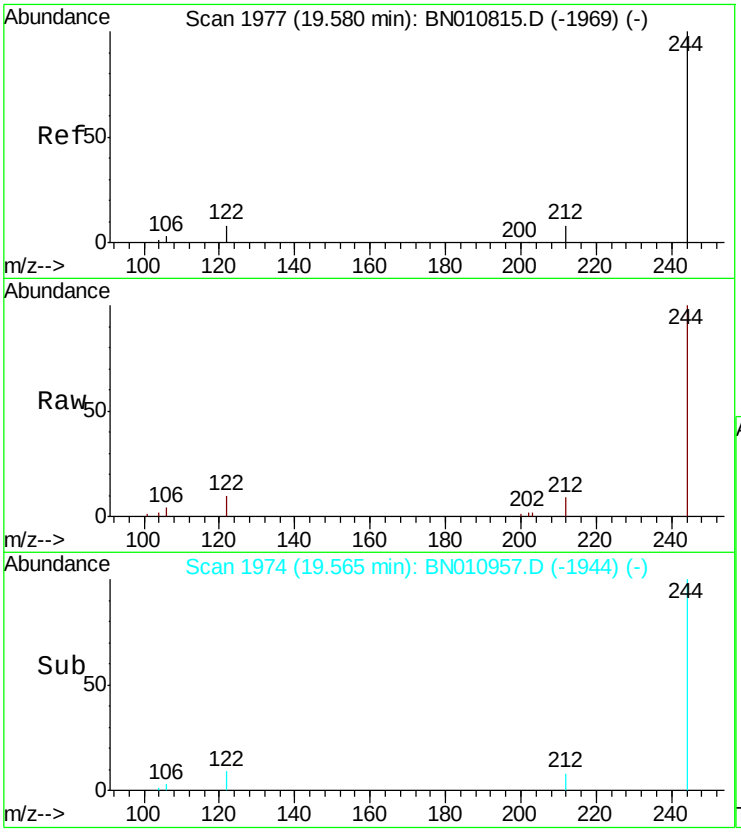


#28
Pyrene
Concen: 0.421 ng
RT: 19.35 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:202 Resp: 9629

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	17.9	14.2	21.4



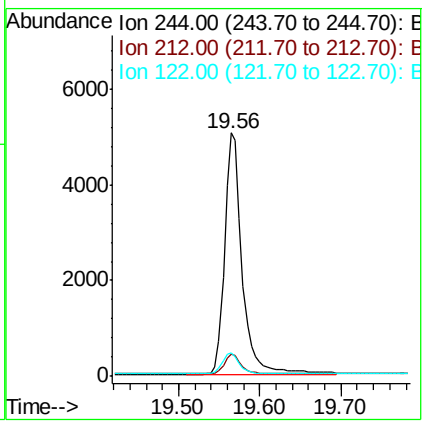


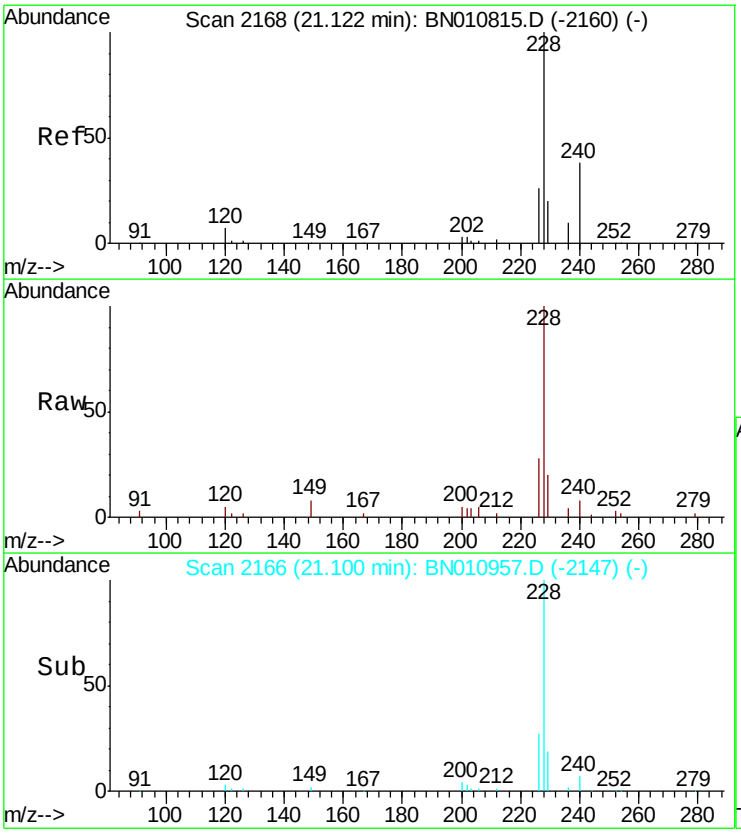
#29
Terphenyl-d14
Concen: 0.467 ng
RT: 19.56 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7561

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.4	11.2
122	9.8	7.5	11.3

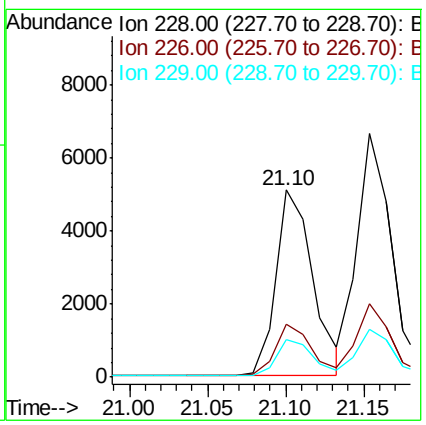


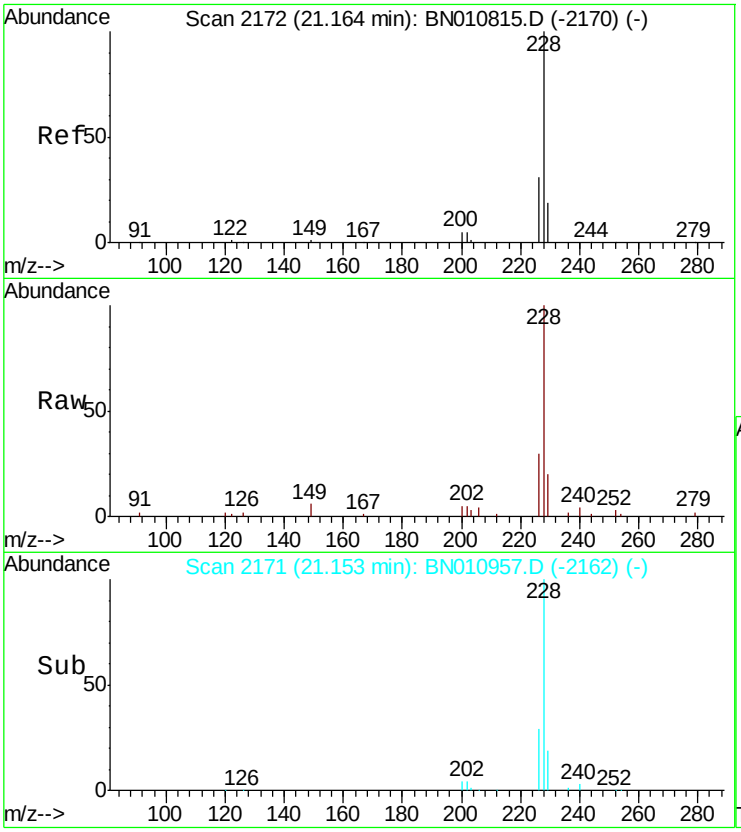


#30
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.10 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:228 Resp: 8288

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.3	31.9
229	19.9	16.6	24.8



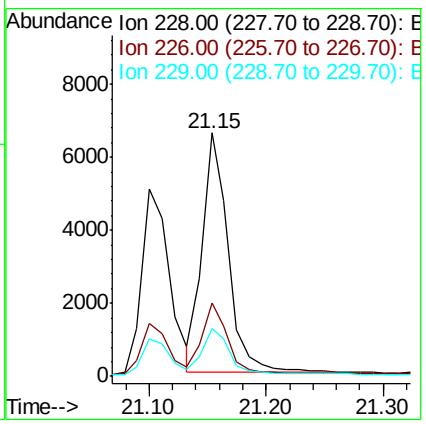


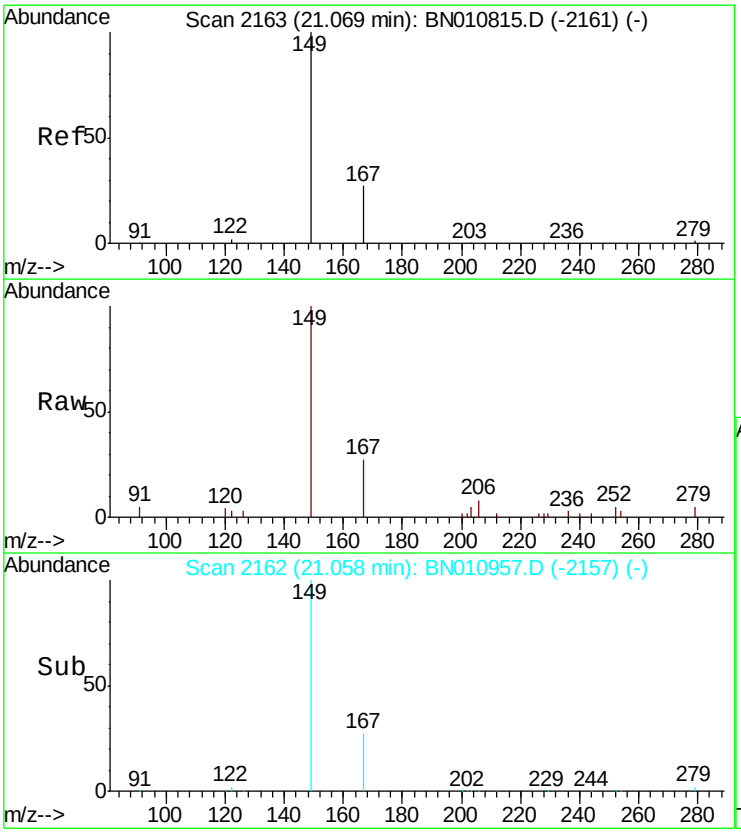
#31
Chrysene
Concen: 0.426 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 10100

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	19.6	16.1	24.1

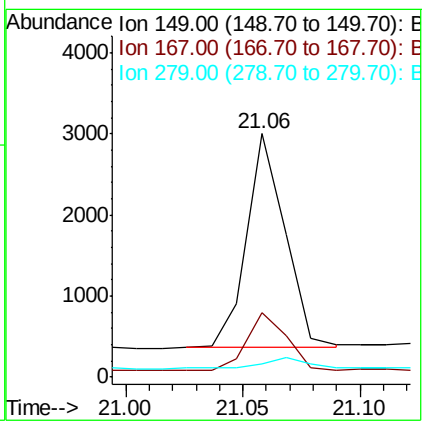


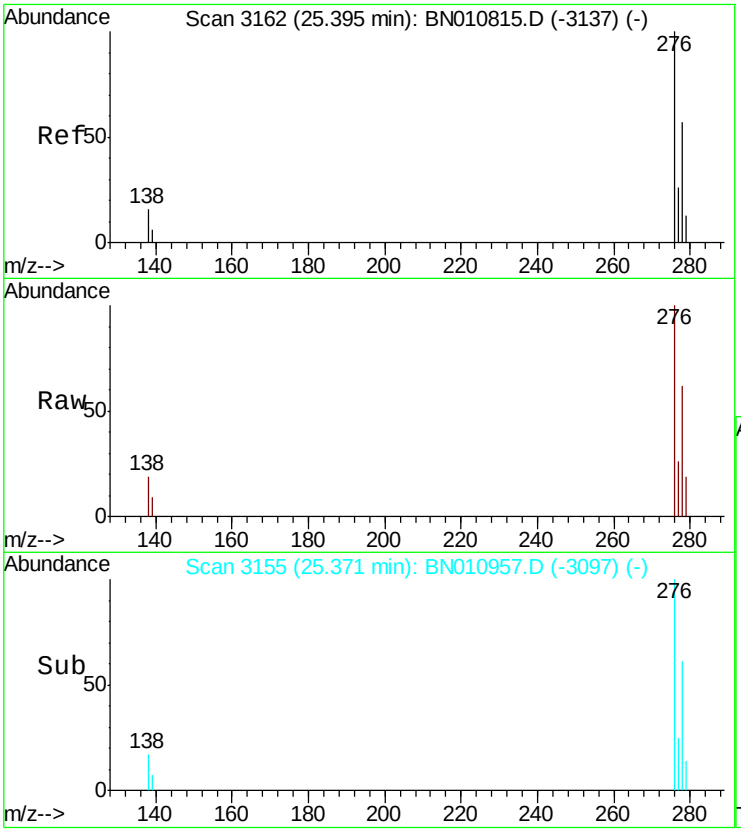


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.444 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:149 Resp: 3013

Ion	Ratio	Lower	Upper
149	100		
167	28.0	24.1	36.1
279	4.9	4.6	7.0



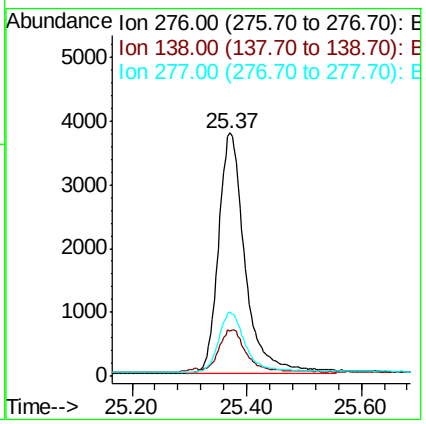


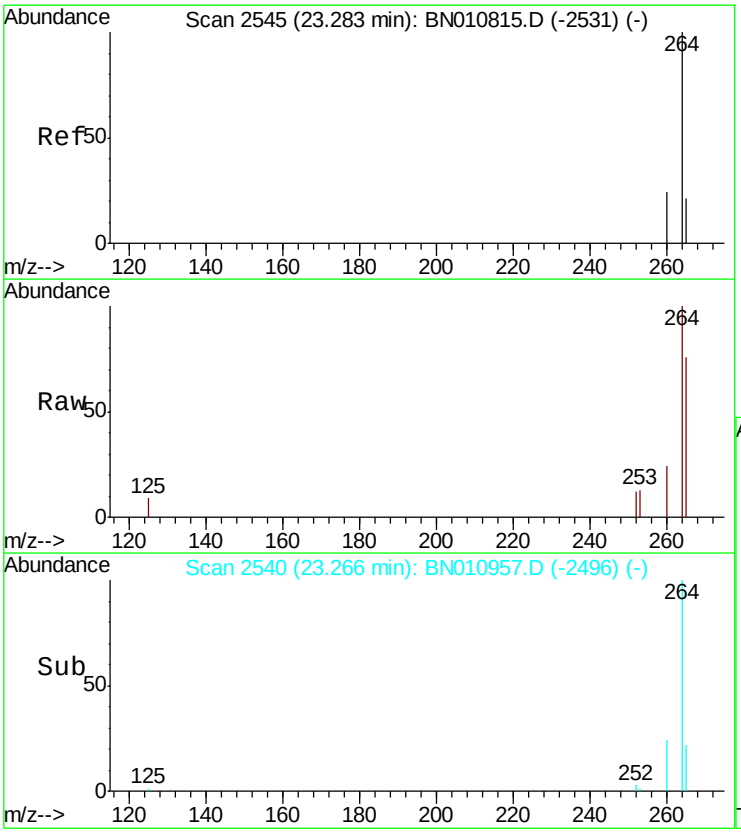
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.456 ng
RT: 25.37 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 12074

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.0	19.6
277	24.9	19.7	29.5

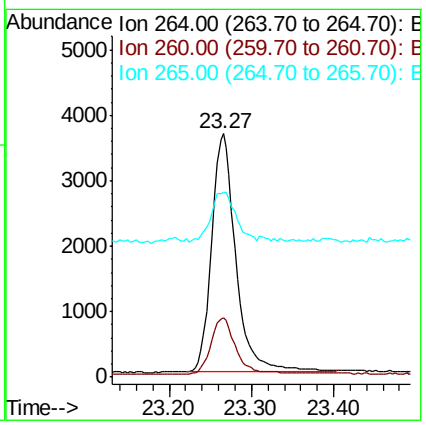


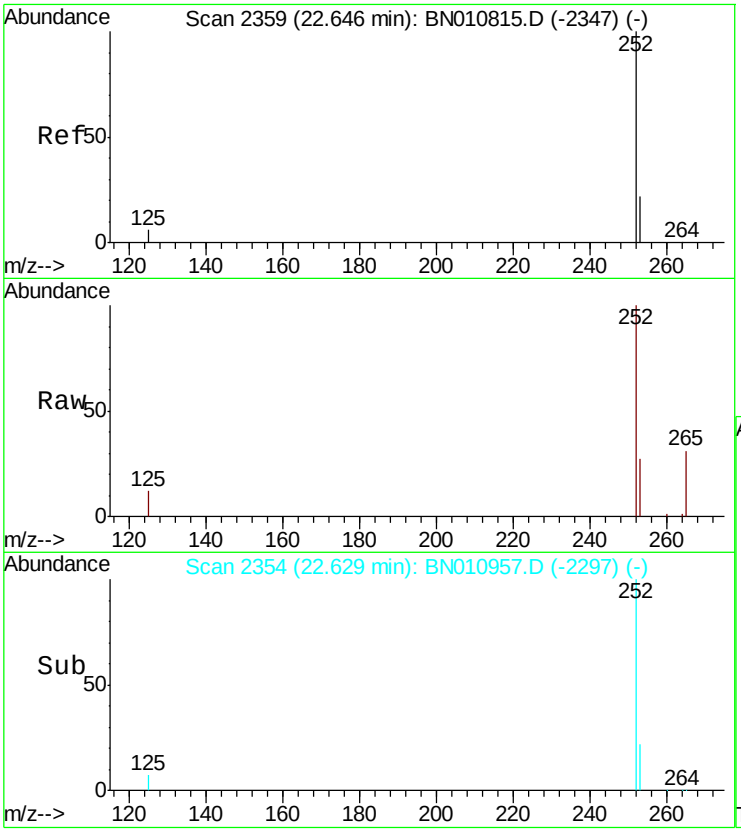


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.27 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:264 Resp: 7477

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.4	30.6
265	76.0	75.0	112.4



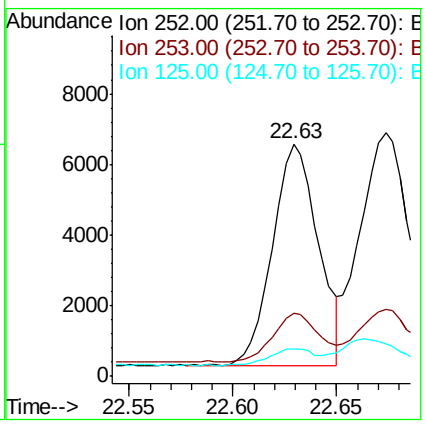


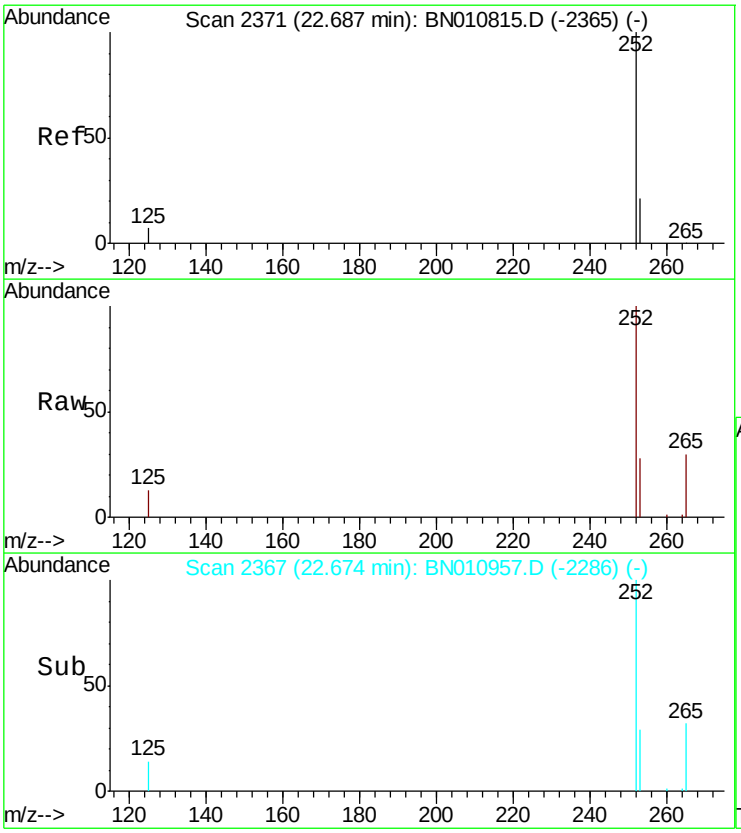
#35
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 22.63 min Scan# 2354
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9588

Ion	Ratio	Lower	Upper
252	100		
253	27.0	22.4	33.6
125	11.6	9.4	14.0

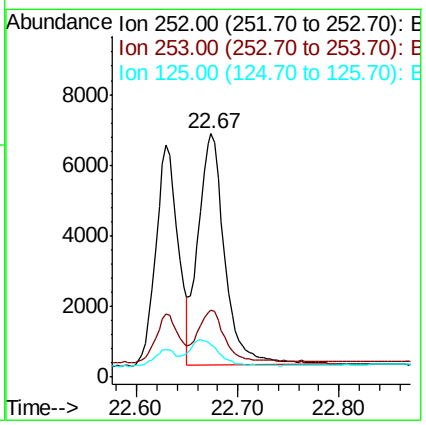


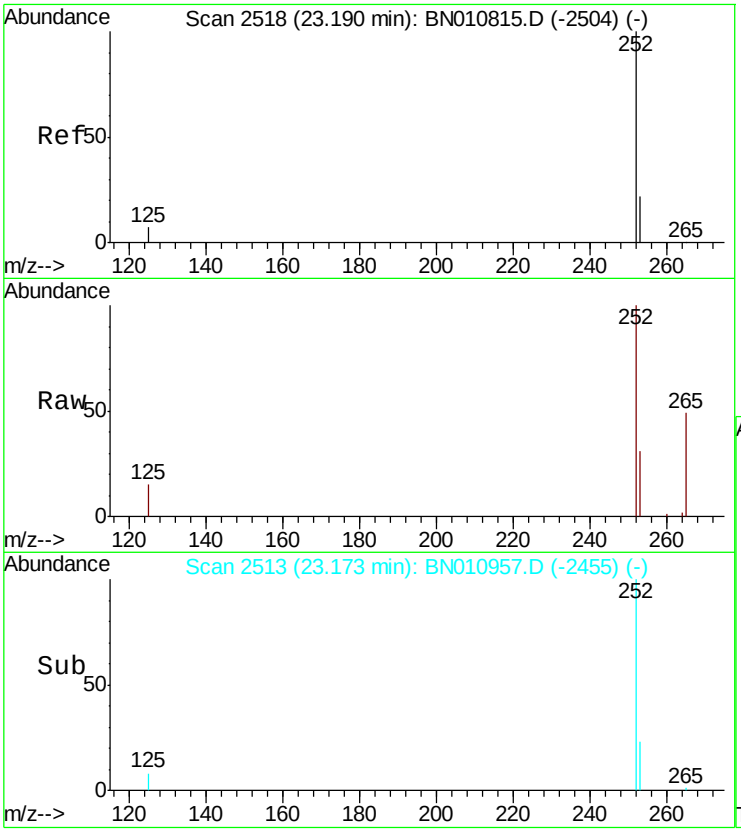


#36
Benzo(k)fluoranthene
Concen: 0.437 ng
RT: 22.67 min Scan# 2367
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:252 Resp: 11841

Ion	Ratio	Lower	Upper
252	100		
253	27.7	22.2	33.4
125	13.2	9.8	14.8



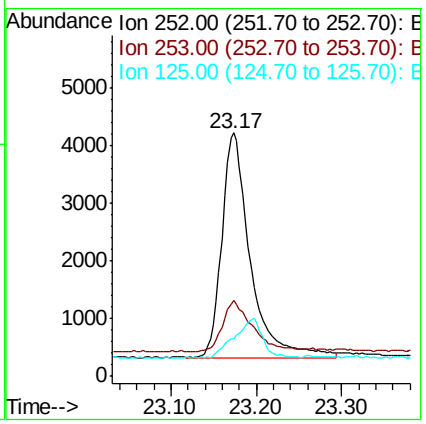


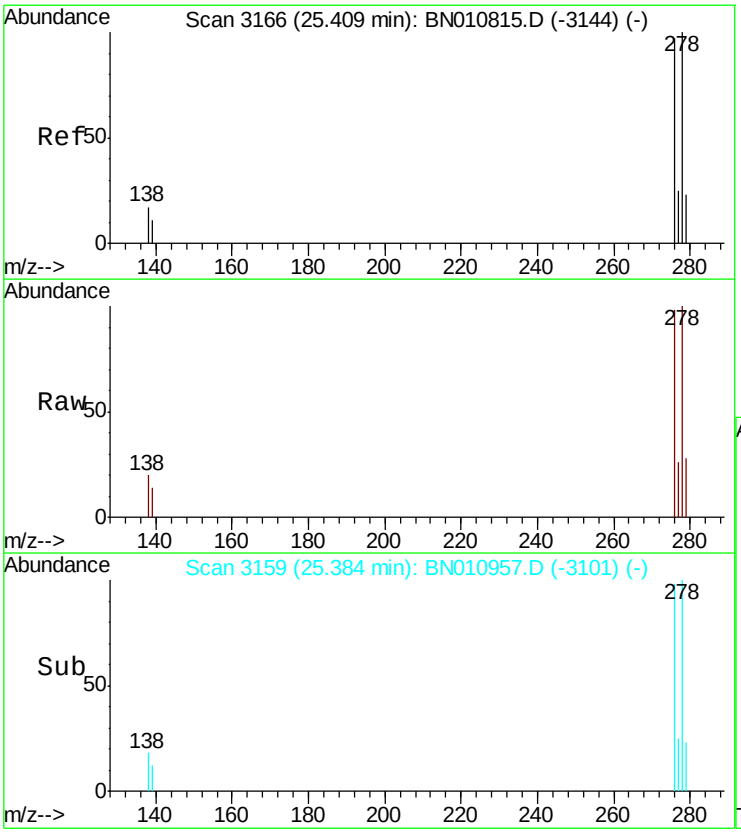
#37
Benzo(a)pyrene
Concen: 0.414 ng
RT: 23.17 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9034

Ion	Ratio	Lower	Upper
252	100		
253	31.0	25.8	38.8
125	15.4	12.4	18.6

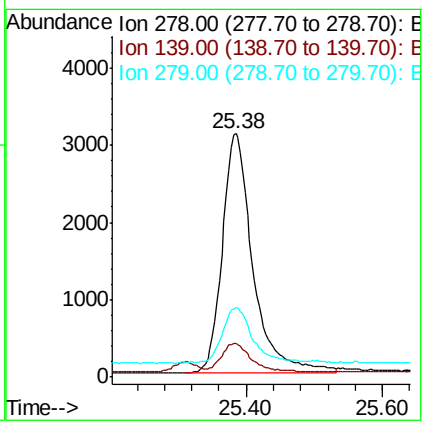


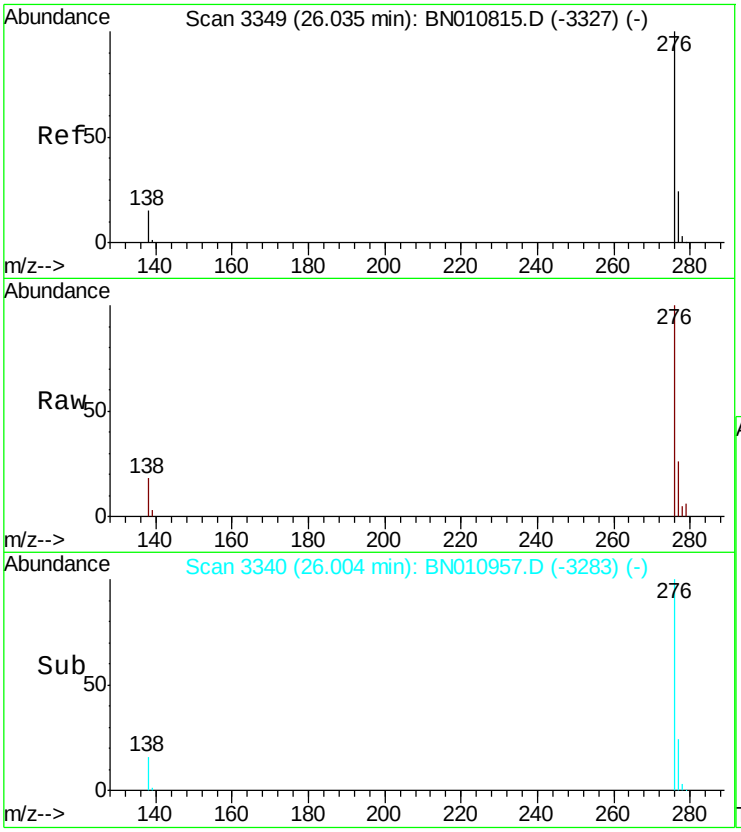


#38
Dibenzo(a,h)anthracene
Concen: 0.385 ng
RT: 25.38 min Scan# 3159
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Tgt Ion:278 Resp: 9570

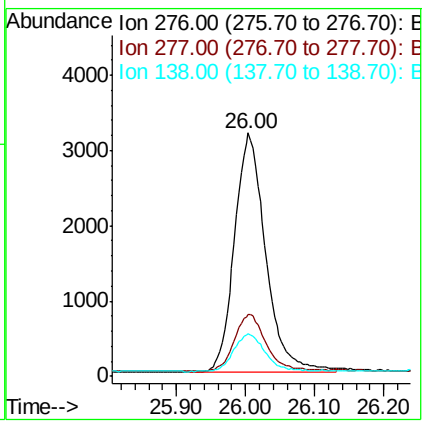
Ion	Ratio	Lower	Upper
278	100		
139	13.6	10.6	15.8
279	28.3	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.384 ng
RT: 26.00 min Scan# 3340
Delta R.T. -0.00 min
Lab File: BN010957.D
Acq: 18 Jun 2020 17:25

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9973

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.5	30.7
138	17.5	13.7	20.5