Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061720\
Data File : BN010939.D
Acq On : 17 Jun 2020 12:19
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jun 17 13:15:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 17 13:14:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2162	0.40	ng		0.00
7) Naphthalene-d8	10.29	136	7467	0.40	ng		0.00
13) Acenaphthene-d10	14.16	164	4046	0.40	ng		0.00
19) Phenanthrene-d10	16.91	188	8513	0.40	ng		0.00
27) Chrysene-d12	21.12	240	8034	0.40	ng		0.00
34) Perylene-d12	23.27	264	9148	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.19	112	2140	0.51	ng		0.00
5) Phenol-d6	6.74	99	2216	0.45	ng		0.00
8) Nitrobenzene-d5	8.68	82	2300	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	11.89	152	4785	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.67	330	565	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.79	172	7203	0.45	ng		0.00
25) Fluoranthene-d10	18.95	212	9794	0.42	ng		0.00
29) Terphenyl-d14	19.57	244	7803	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	919	0.434	ng		93
3) n-Nitrosodimethylamine	3.56	42	481	0.391	ng	#	90
6) bis(2-Chloroethyl)ether	6.99	93	2105	0.439	ng		98
9) Naphthalene	10.34	128	7909	0.421	ng		99
10) Hexachlorobutadiene	10.63	225	1905	0.411	ng	#	100
12) 2-Methylnaphthalene	11.96	142	5303	0.422	ng		100
16) Acenaphthylene	13.88	152	6953	0.420	ng		99
17) Acenaphthene	14.22	154	4778	0.423	ng		98
18) Fluorene	15.22	166	6119	0.420	ng		99
20) 4-Bromophenyl-phenylether	16.11	248	1999	0.391	ng	#	78
21) Hexachlorobenzene	16.23	284	2187	0.410	ng		98
22) Pentachlorophenol	16.58	266	735	0.410	ng		97
23) Phenanthrene	16.95	178	9592	0.413	ng		99
24) Anthracene	17.05	178	7884	0.406	ng		100
26) Fluoranthene	18.98	202	10913	0.413	ng		99
28) Pyrene	19.35	202	11024	0.415	ng		100
30) Benzo(a)anthracene	21.11	228	9700	0.411	ng		99
31) Chrysene	21.15	228	11715	0.426	ng		99
32) Bis(2-ethylhexyl)phthalate	21.06	149	3320	0.422	ng		96
33) Indeno(1,2,3-cd)pyrene	25.37	276	12684	0.412	ng		98
35) Benzo(b)fluoranthene	22.63	252	10878	0.350	ng		99
36) Benzo(k)fluoranthene	22.67	252	11991	0.362	ng		99
37) Benzo(a)pyrene	23.17	252	9333	0.350	ng		98
38) Dibenzo(a,h)anthracene	25.39	278	10137	0.333	ng		98
39) Benzo(g,h,i)perylene	26.01	276	10981	0.345	ng		98

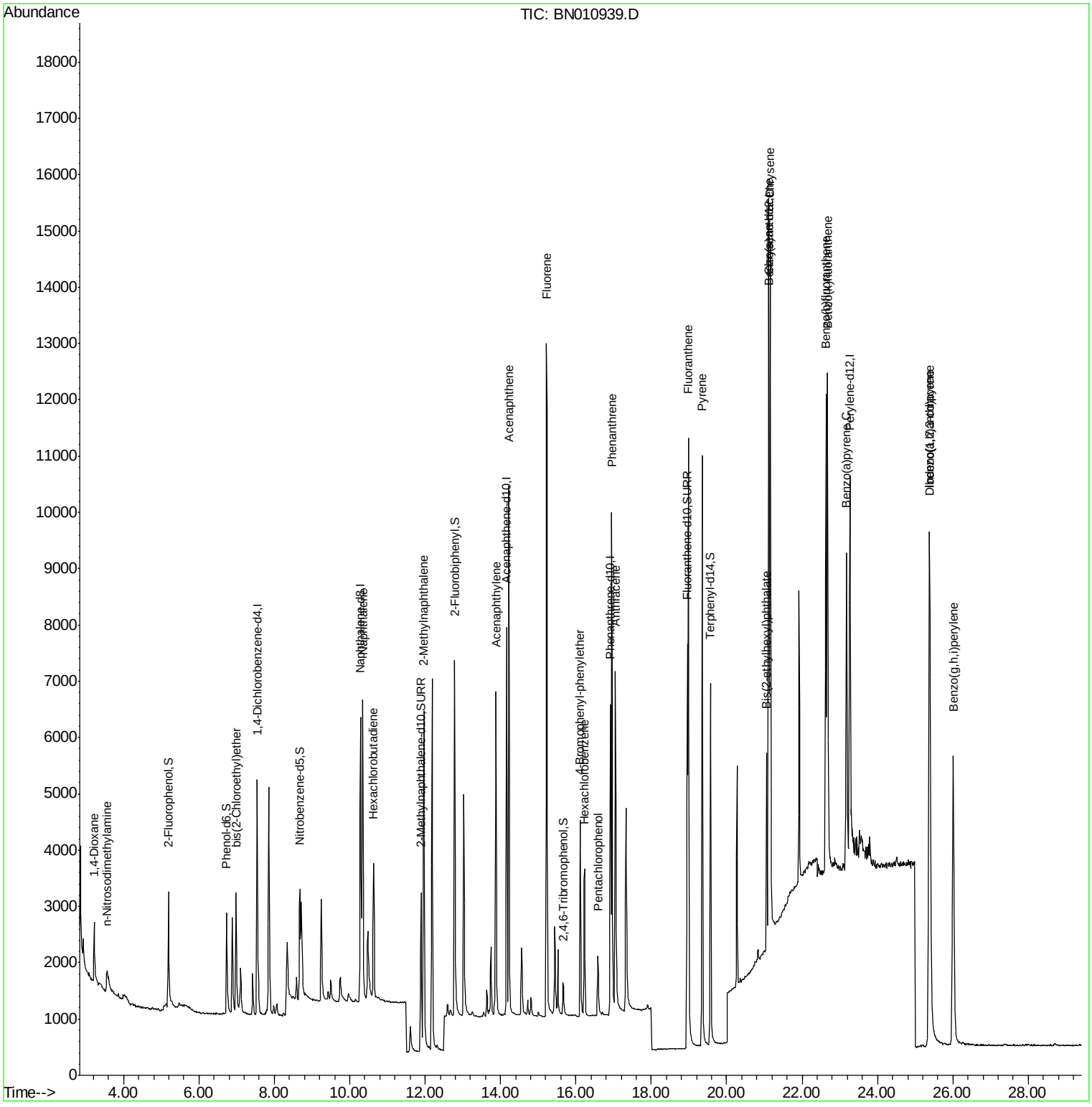
(#) = qualifier out of range (m) = manual integration (+) = signals summed

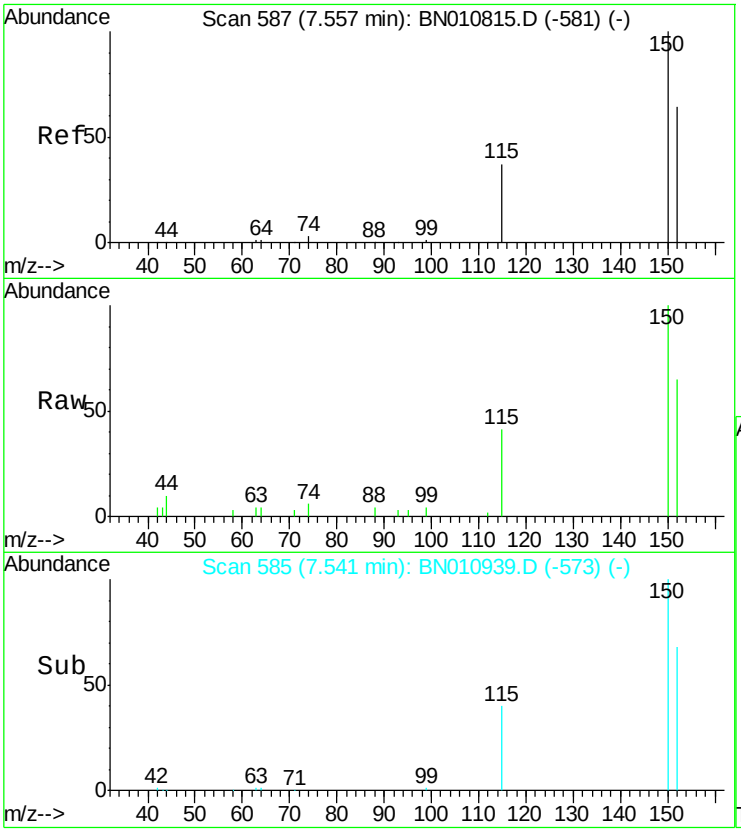
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061720\
Data File : BN010939.D
Acq On : 17 Jun 2020 12:19
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 17 13:15:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 17 13:14:12 2020
Response via : Initial Calibration



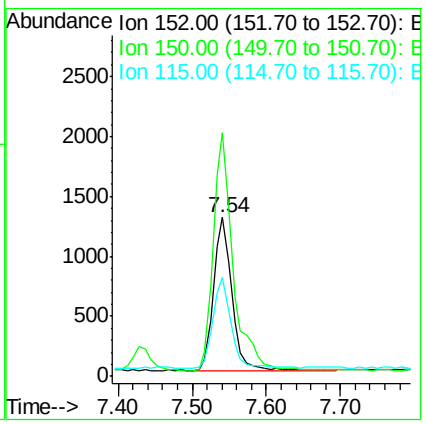


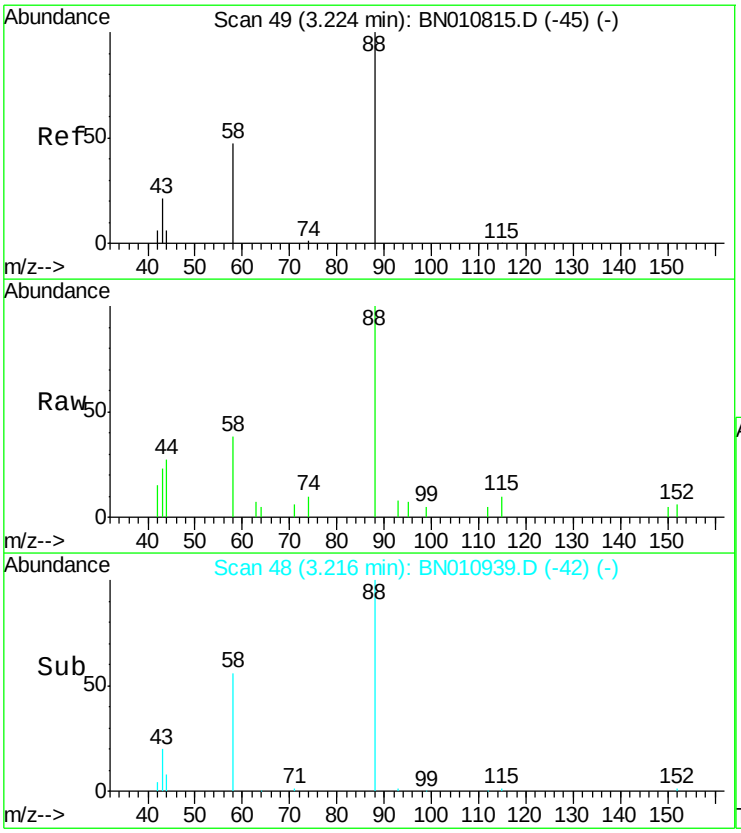
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2162

Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.8	185.6
115	62.3	49.2	73.8

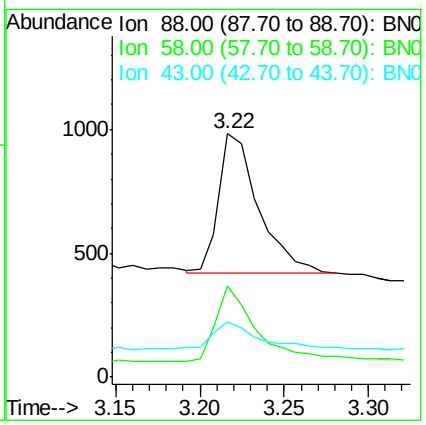


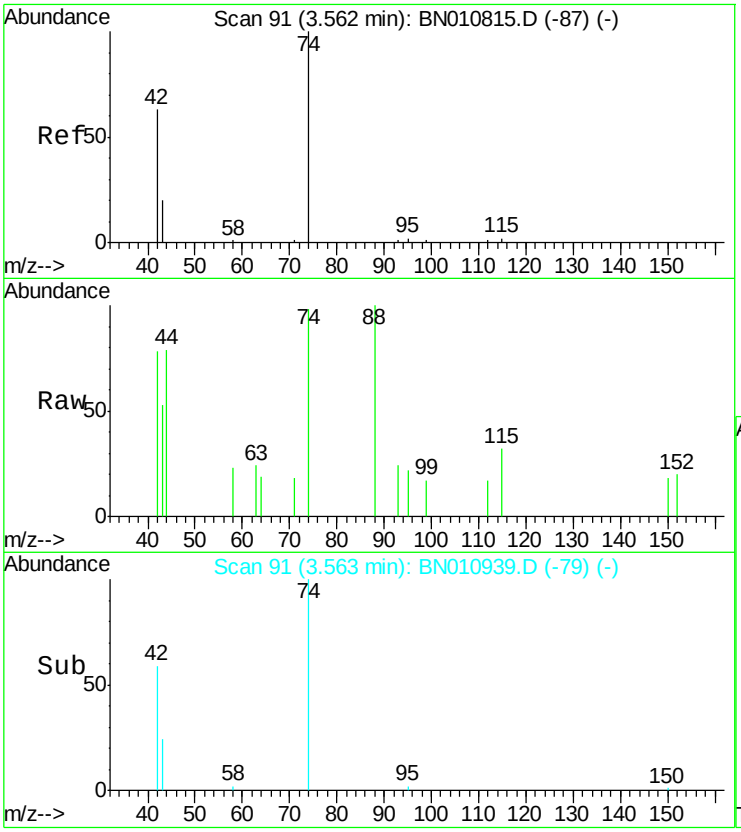


#2
1,4-Dioxane
Concen: 0.434 ng
RT: 3.22 min Scan# 48
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion: 88 Resp: 919

Ion	Ratio	Lower	Upper
88	100		
58	52.8	38.2	57.4
43	20.9	15.1	22.7



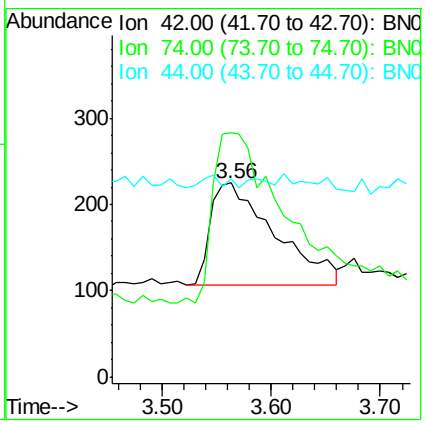


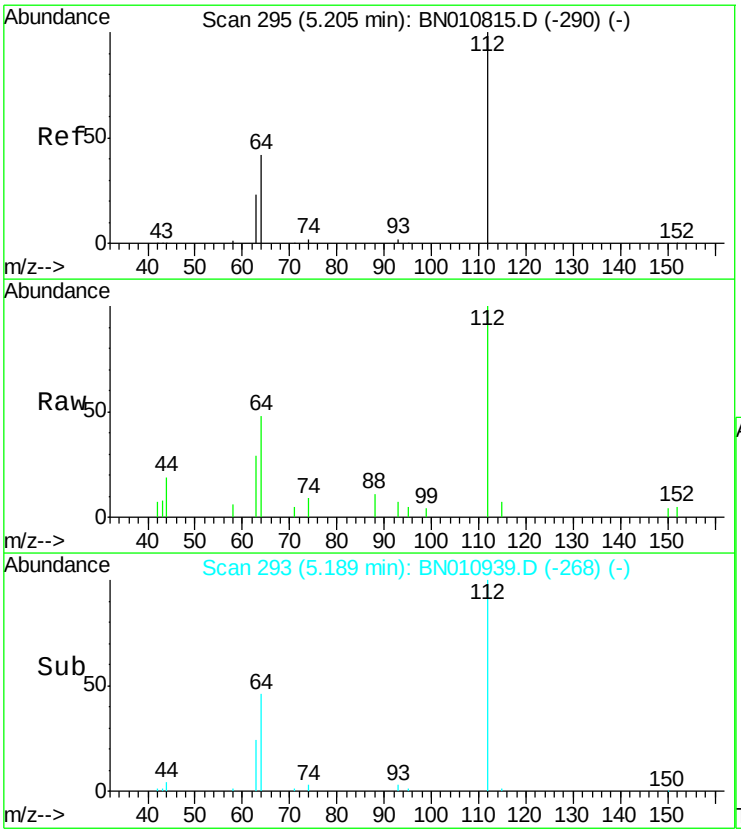
#3
n-Nitrosodimethylamine
Concen: 0.391 ng
RT: 3.56 min Scan# 91
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 481

Ion	Ratio	Lower	Upper
42	100		
74	189.8	140.7	211.1
44	3.5	1.4	2.2#

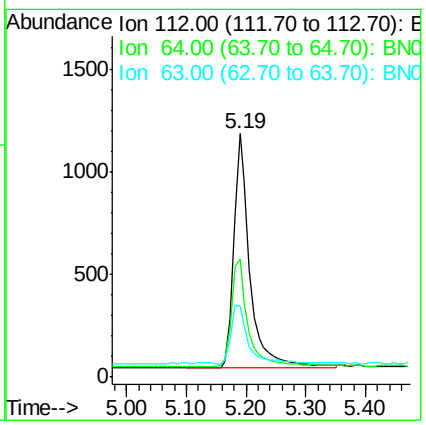


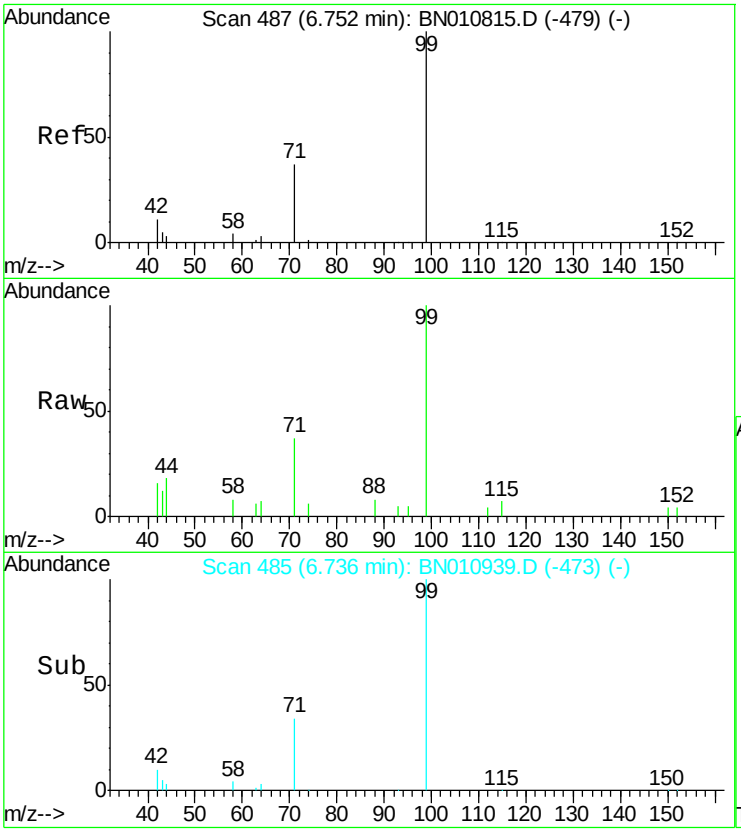


#4
2-Fluorophenol
Concen: 0.513 ng
RT: 5.19 min Scan# 293
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:112 Resp: 2140

Ion	Ratio	Lower	Upper
112	100		
64	46.5	37.4	56.0
63	26.3	22.2	33.4



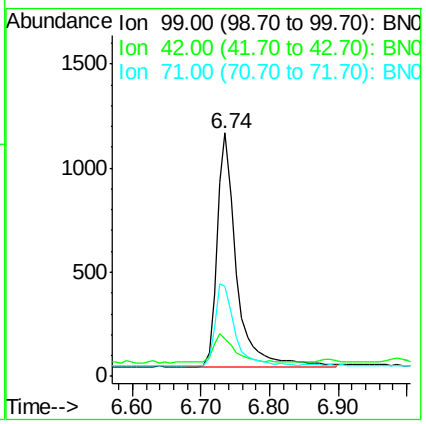


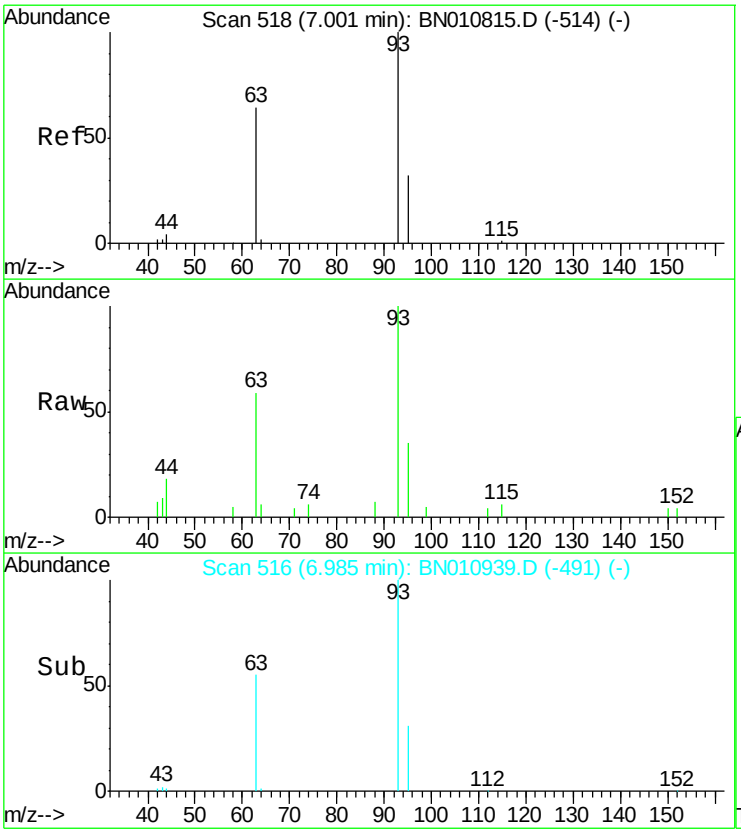
#5
Phenol-d6
Concen: 0.451 ng
RT: 6.74 min Scan# 485
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2216

Ion	Ratio	Lower	Upper
99	100		
42	12.8	11.1	16.7
71	36.3	31.4	47.2

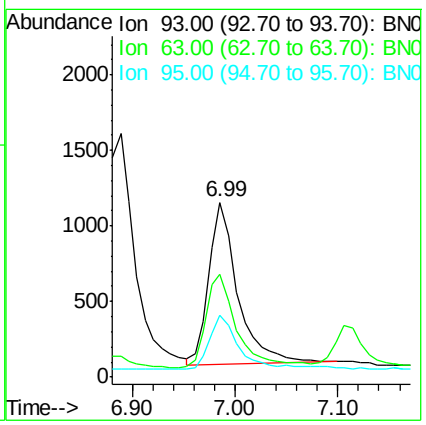


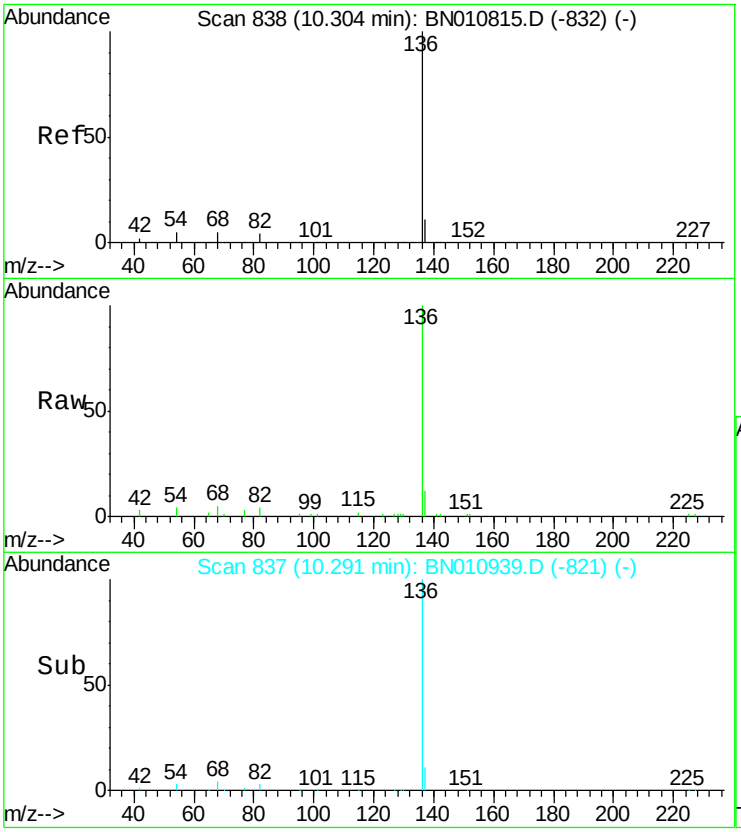


#6
bis(2-Chloroethyl)ether
Concen: 0.439 ng
RT: 6.99 min Scan# 516
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion: 93 Resp: 2105

Ion	Ratio	Lower	Upper
93	100		
63	59.2	49.4	74.2
95	33.5	26.7	40.1



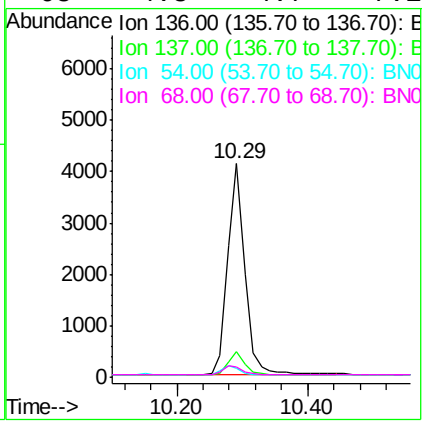


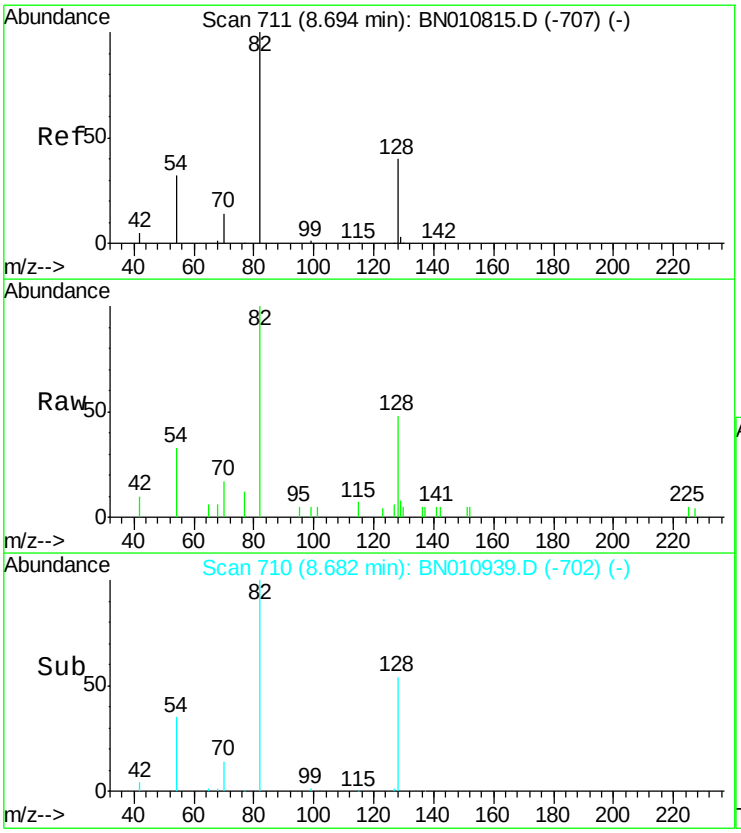
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.29 min Scan# 837
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 7467

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	4.4	4.9	7.3#
68	4.8	4.7	7.1

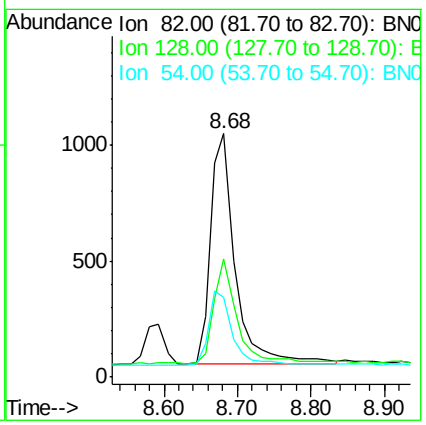


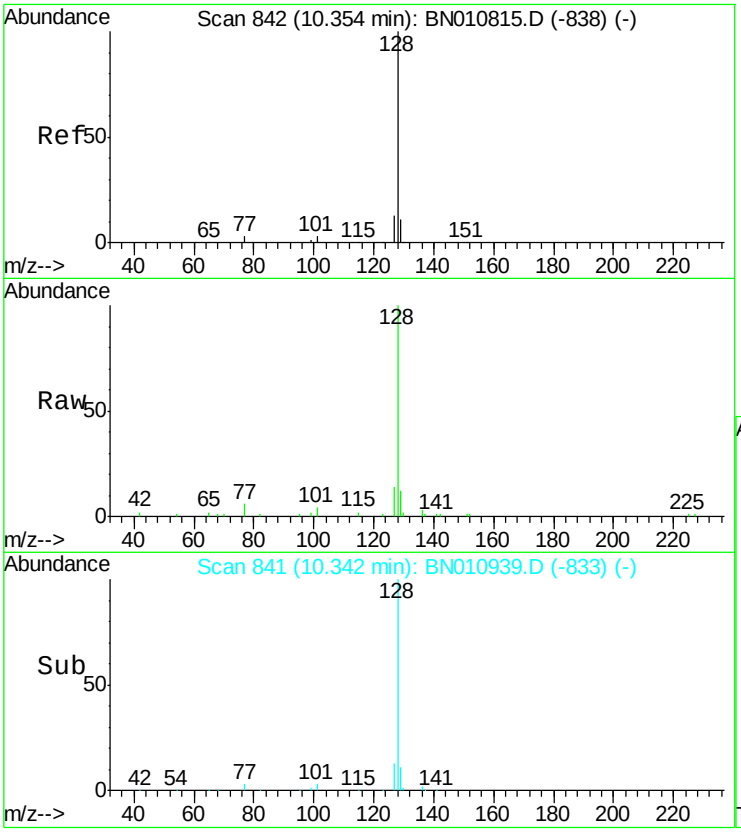


#8
Nitrobenzene-d5
Concen: 0.416 ng
RT: 8.68 min Scan# 710
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion: 82 Resp: 2300

Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.4	53.0
54	33.0	28.2	42.4



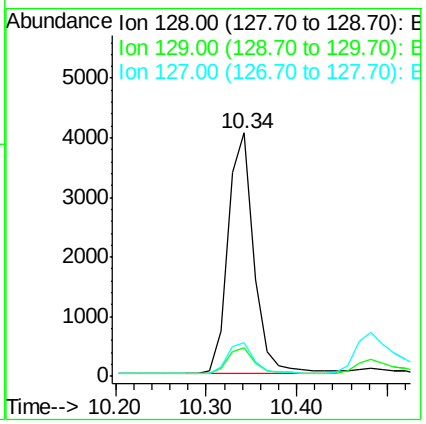


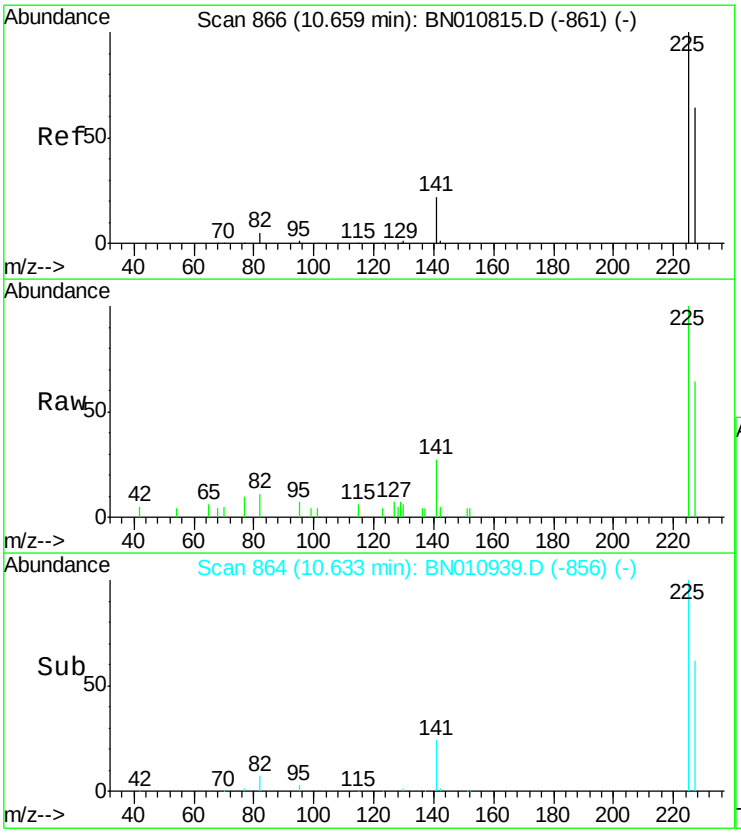
#9
Naphthalene
Concen: 0.421 ng
RT: 10.34 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 7909

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	13.7	11.4	17.2

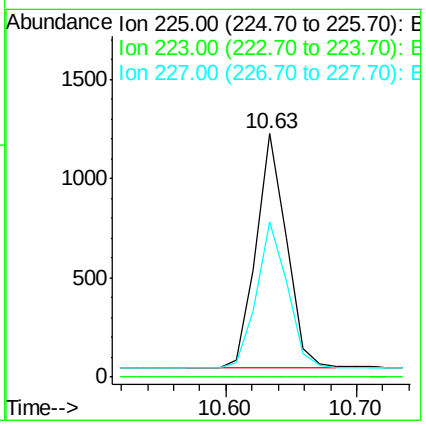


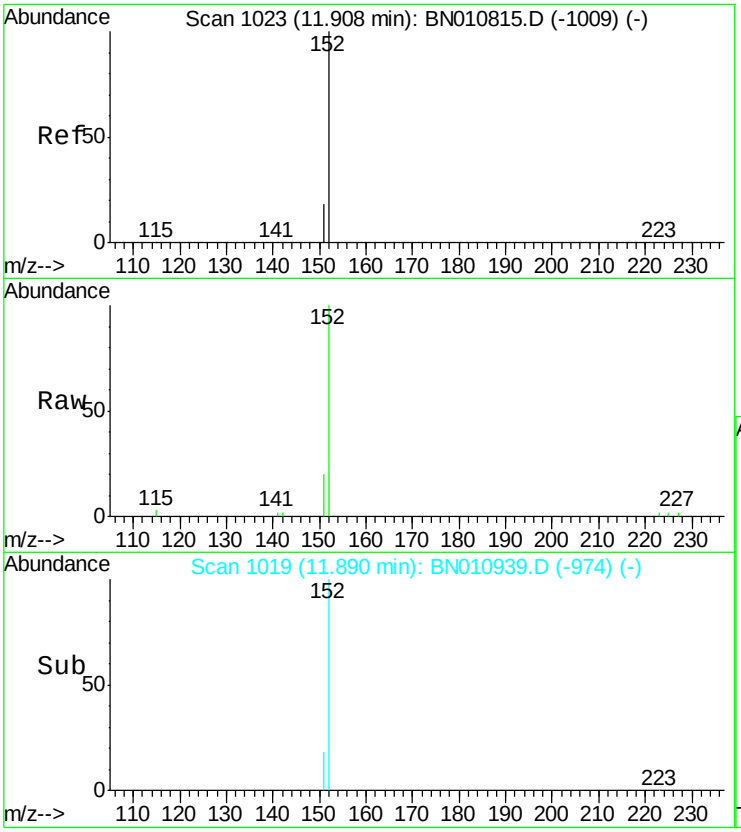


#10
Hexachlorobutadiene
Concen: 0.411 ng
RT: 10.63 min Scan# 864
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:225 Resp: 1905

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	50.5	75.7



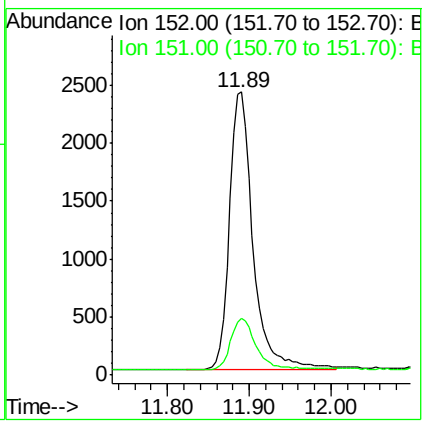


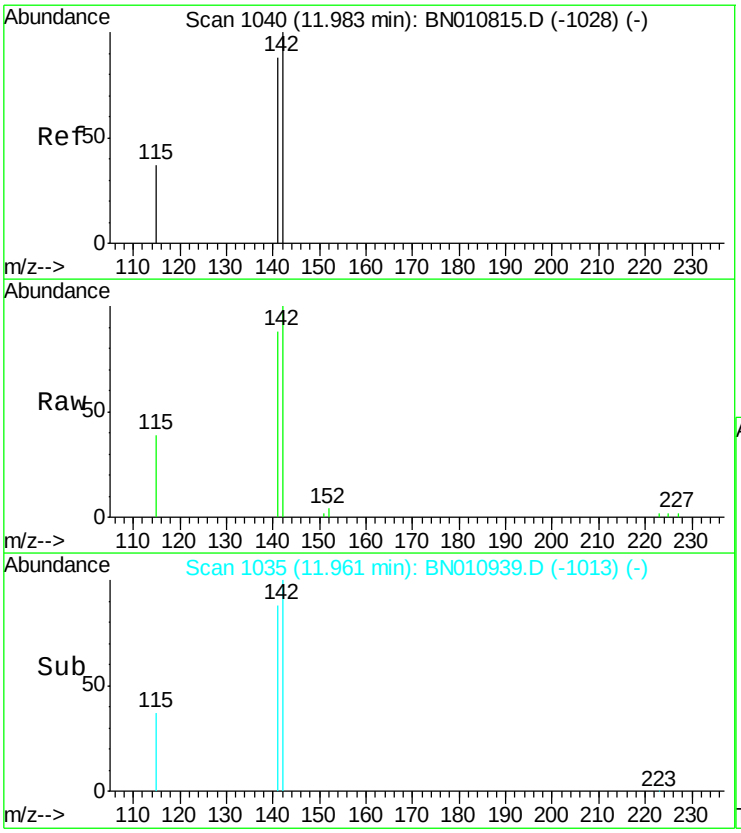
#11
2-Methylnaphthalene-d10
Concen: 0.413 ng
RT: 11.89 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4785

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.3	22.9

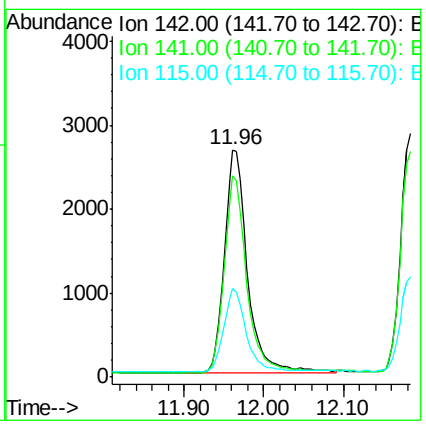


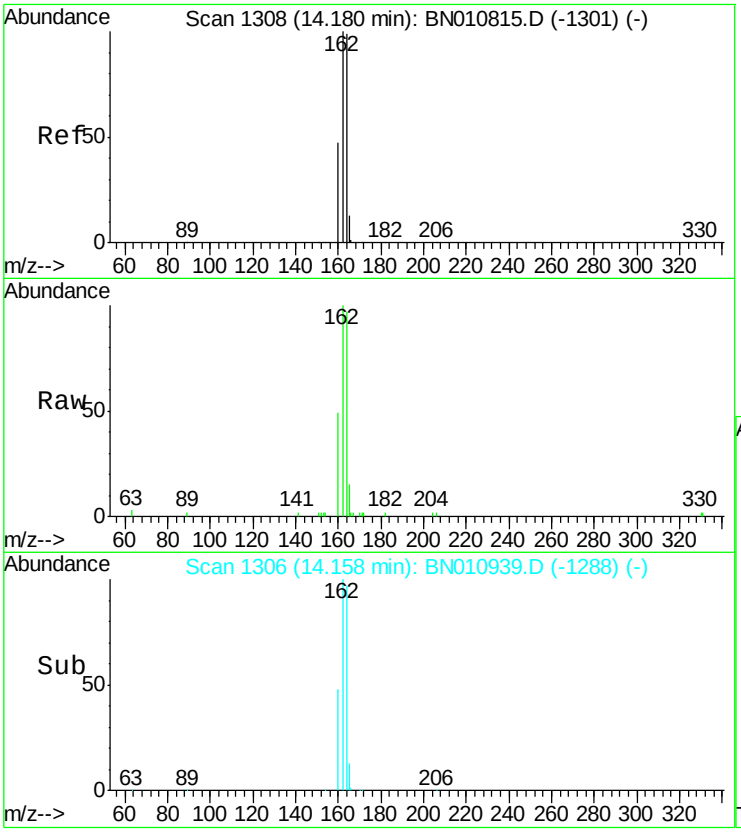


#12
2-Methylnaphthalene
Concen: 0.422 ng
RT: 11.96 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:142 Resp: 5303

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2
115	39.1	31.5	47.3



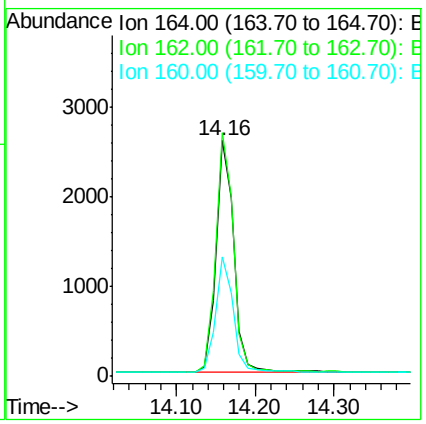


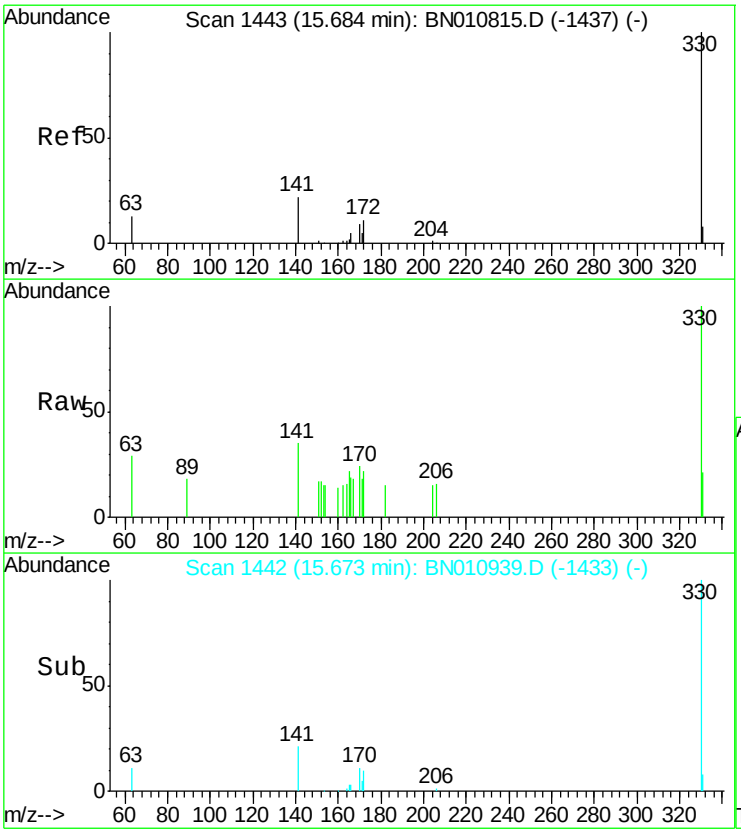
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 4046

Ion	Ratio	Lower	Upper
164	100		
162	103.5	81.0	121.6
160	50.6	38.9	58.3

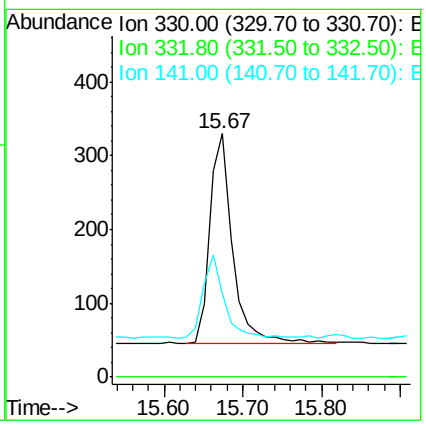


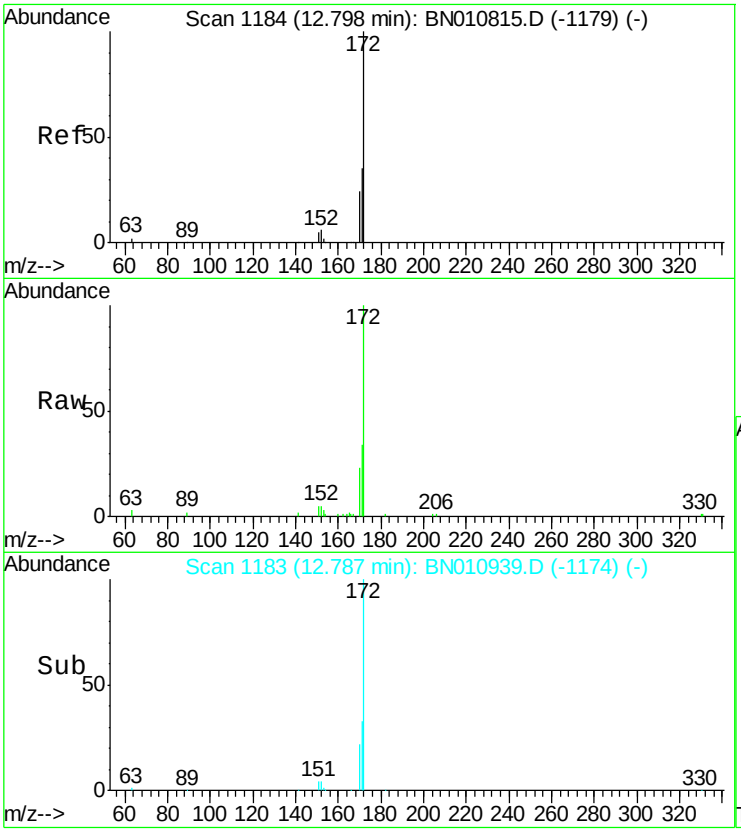


#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.67 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:330 Resp: 565

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.2	33.2	49.8



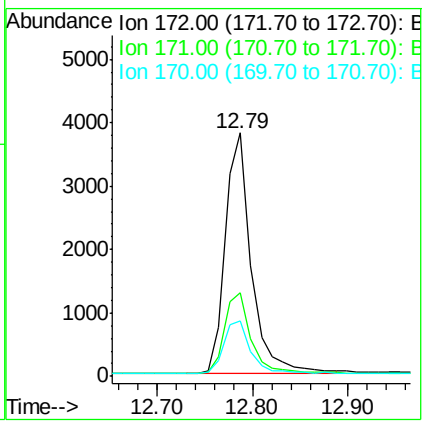


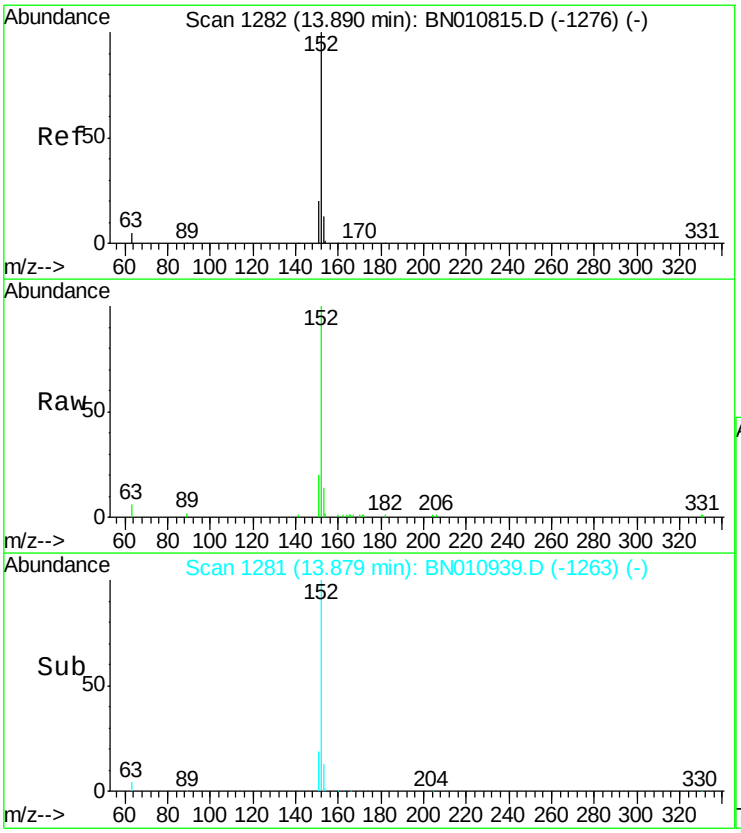
#15
2-Fluorobiphenyl
Concen: 0.451 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7203

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.5	42.7
170	22.8	19.7	29.5

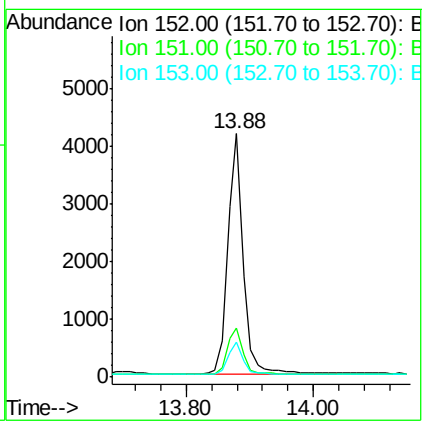


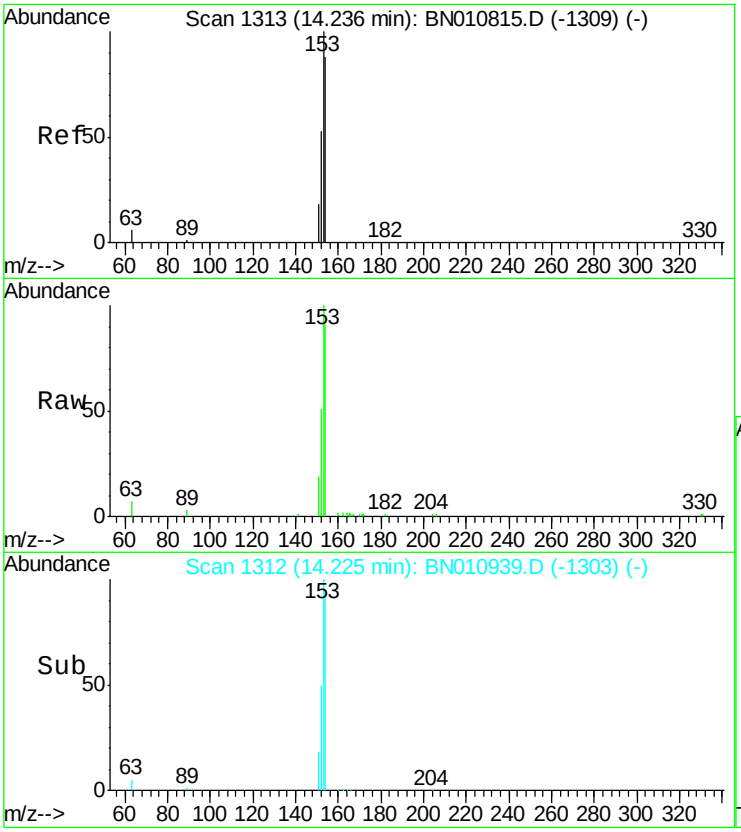


#16
Acenaphthylene
Concen: 0.420 ng
RT: 13.88 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:152 Resp: 6953

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.2	10.6	16.0



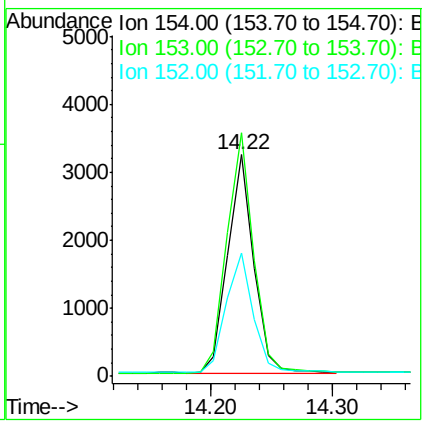


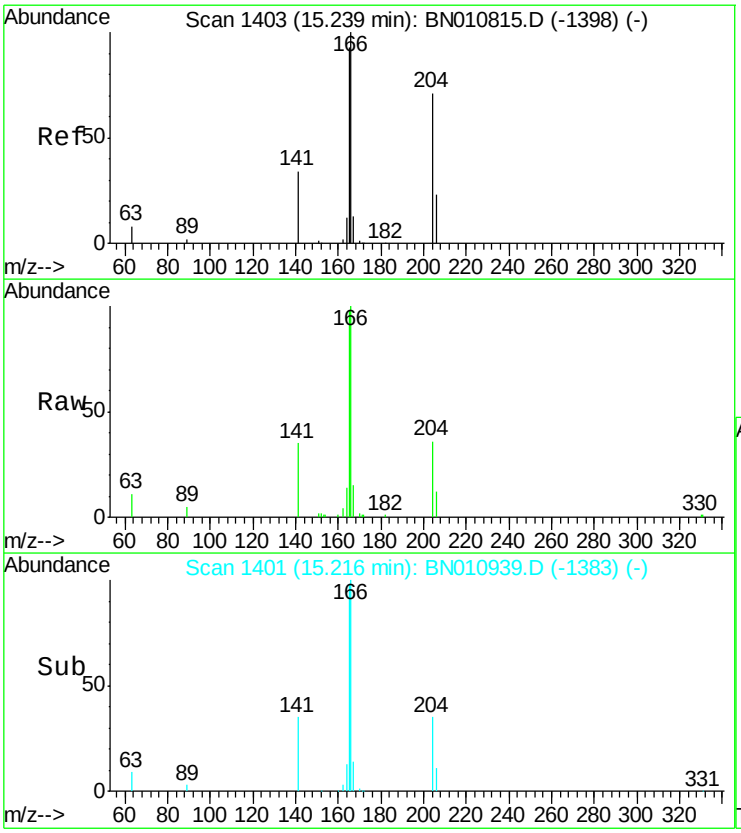
#17
Acenaphthene
Concen: 0.423 ng
RT: 14.22 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4778

Ion	Ratio	Lower	Upper
154	100		
153	113.1	91.8	137.6
152	57.6	47.6	71.4

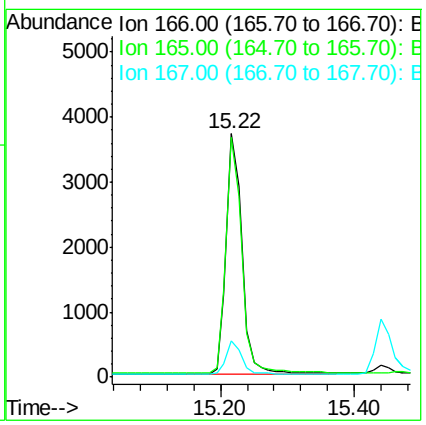


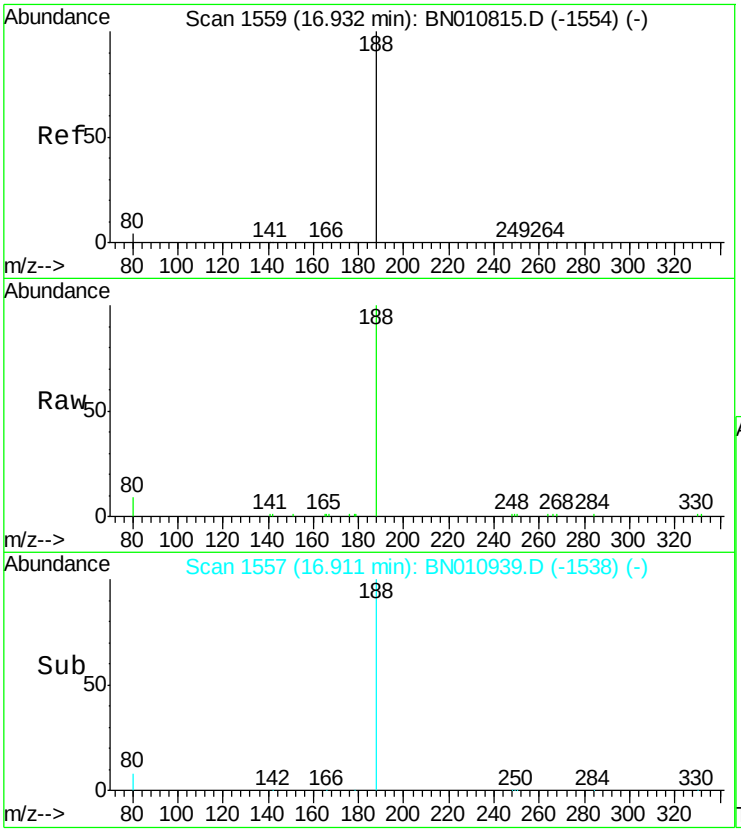


#18
Fluorene
Concen: 0.420 ng
RT: 15.22 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:166 Resp: 6119

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.2	115.8
167	13.3	10.7	16.1



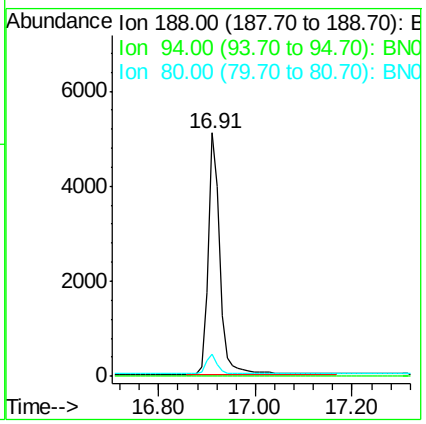


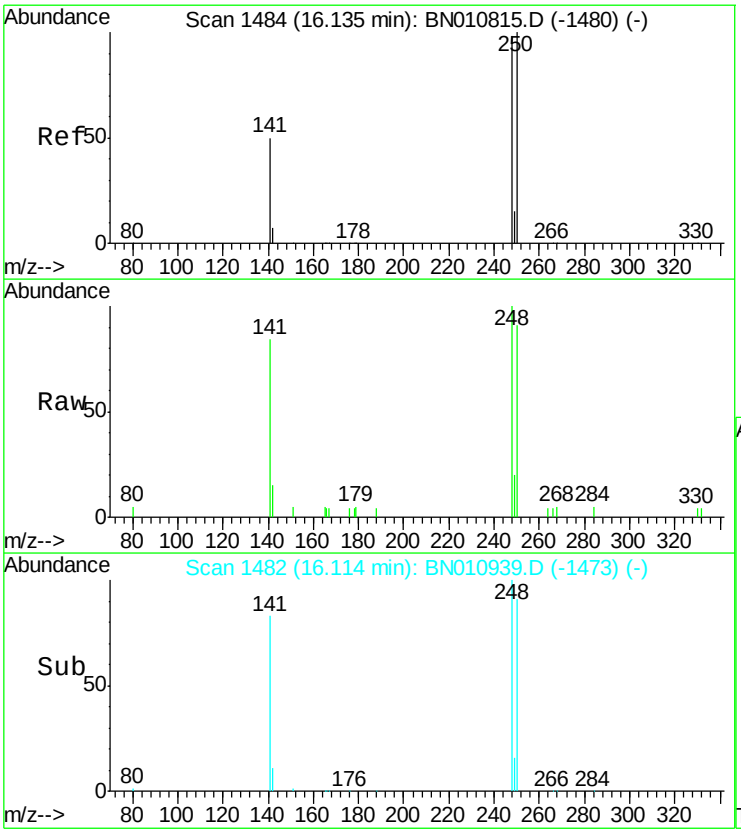
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 8513

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	4.5	6.7#

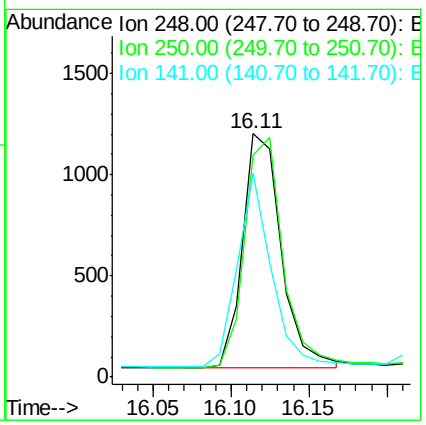


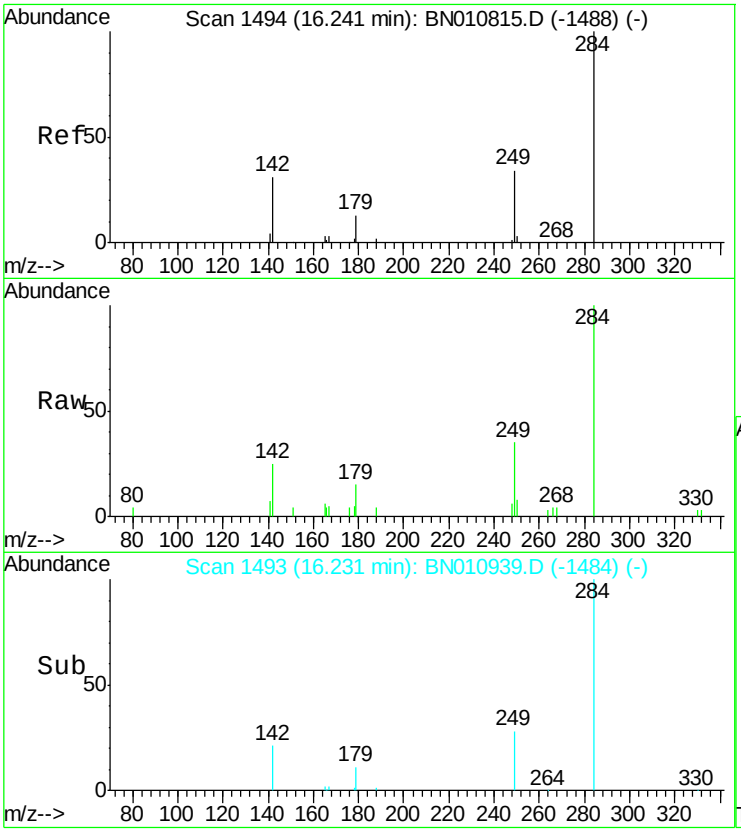


#20
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 16.11 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:248 Resp: 1999

Ion	Ratio	Lower	Upper
248	100		
250	91.3	81.8	122.8
141	83.9	42.6	64.0#



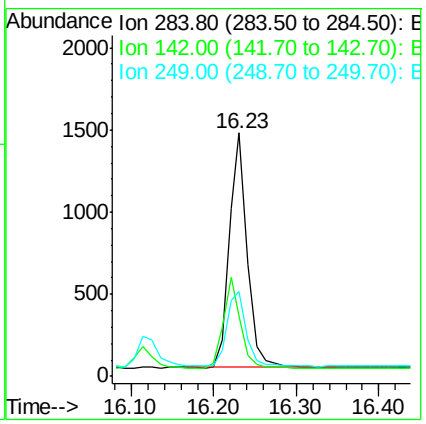


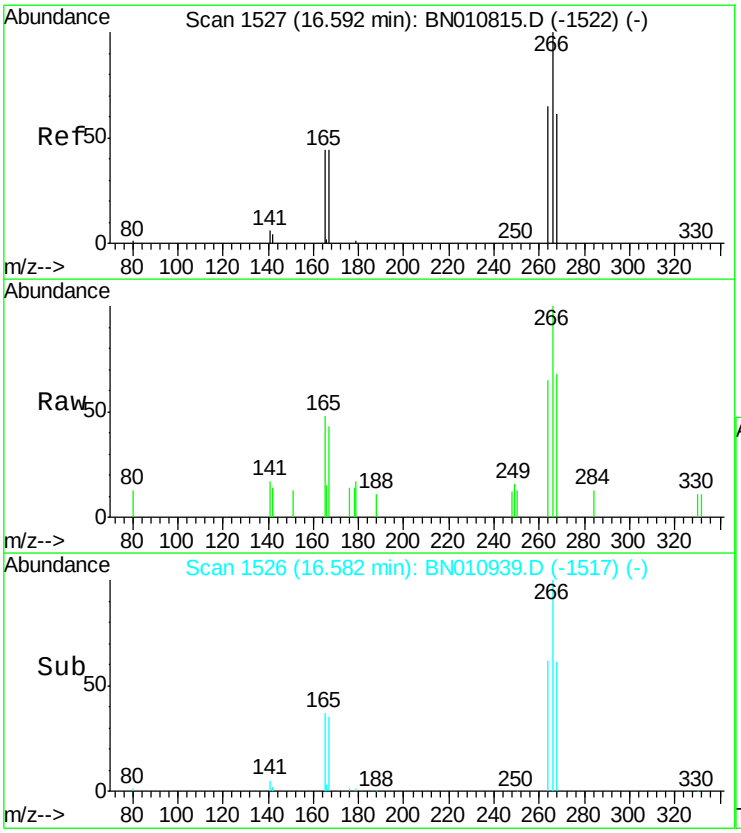
#21
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.23 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2187

Ion	Ratio	Lower	Upper
284	100		
142	37.1	31.0	46.4
249	35.2	27.1	40.7

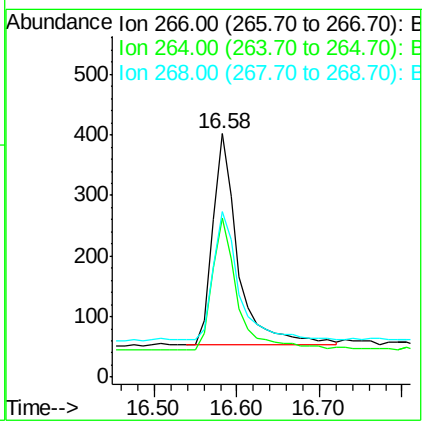


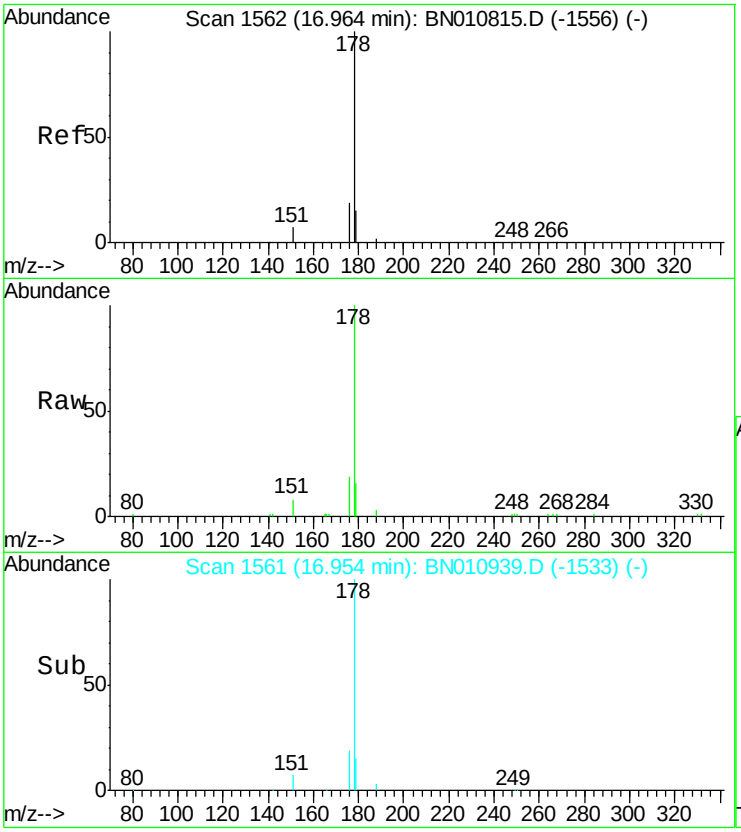


#22
Pentachlorophenol
Concen: 0.410 ng
RT: 16.58 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:266 Resp: 735

Ion	Ratio	Lower	Upper
266	100		
264	65.2	54.8	82.2
268	68.2	55.9	83.9



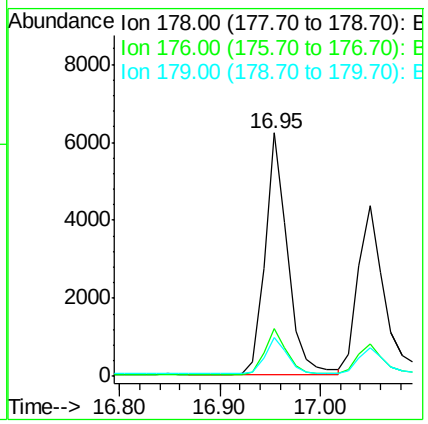


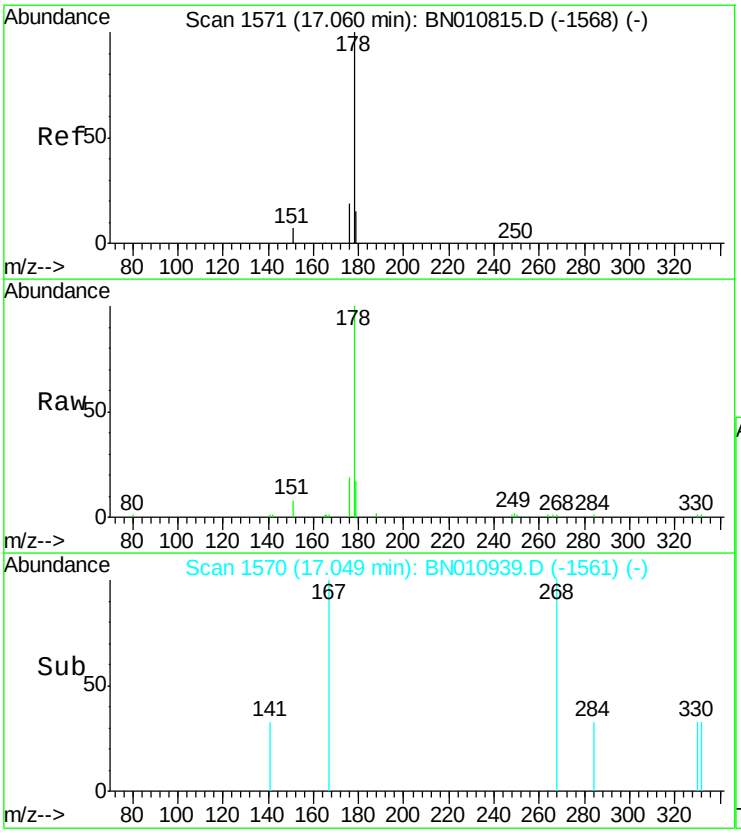
#23
Phenanthrene
Concen: 0.413 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 9592

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.5	12.6	19.0

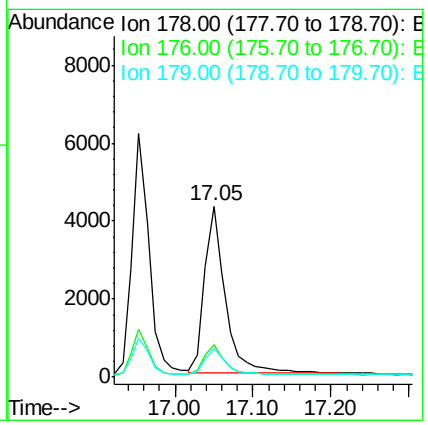


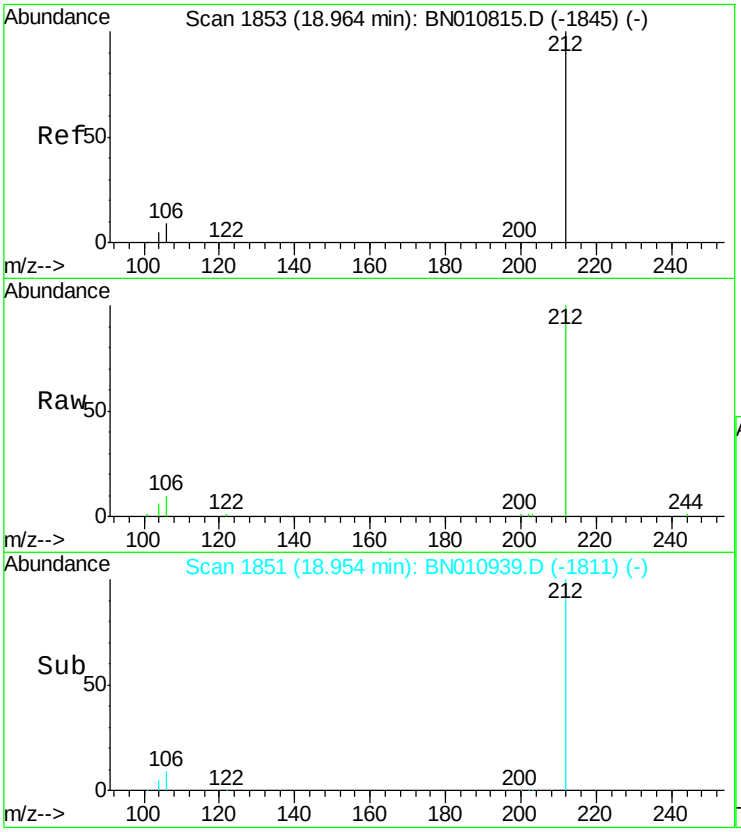


#24
Anthracene
Concen: 0.406 ng
RT: 17.05 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:178 Resp: 7884

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.7	12.3	18.5



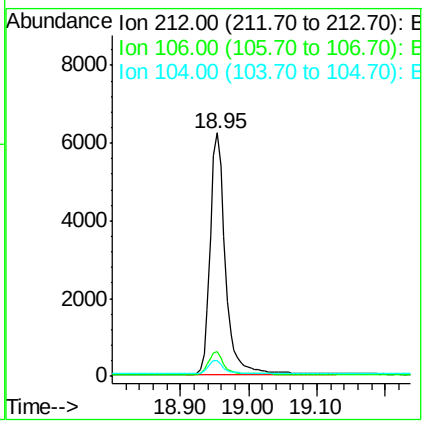


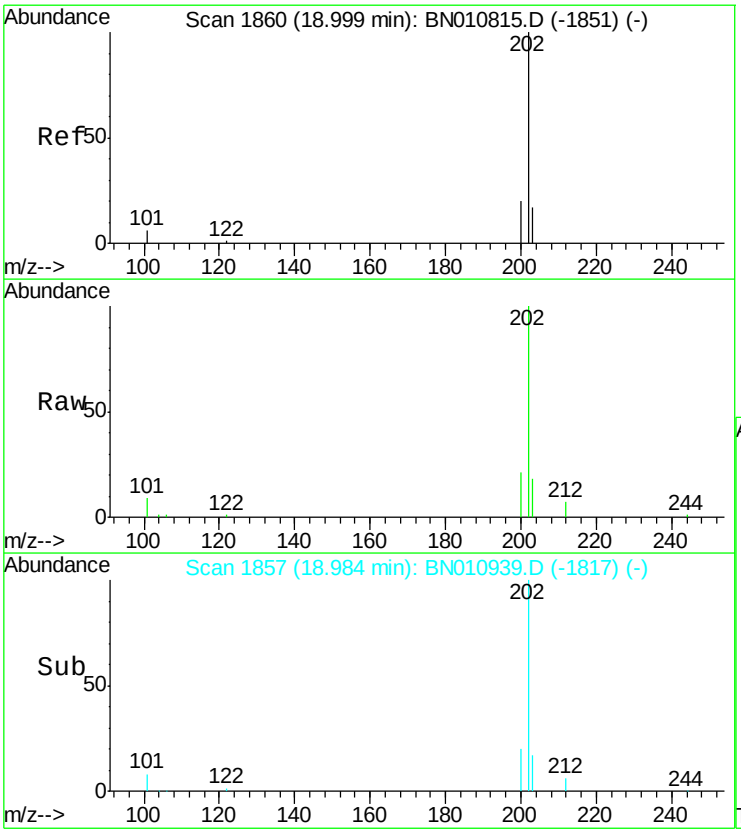
#25
Fluoranthene-d10
Concen: 0.417 ng
RT: 18.95 min Scan# 1851
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 9794

Ion	Ratio	Lower	Upper
212	100		
106	9.4	6.6	10.0
104	5.6	4.0	6.0

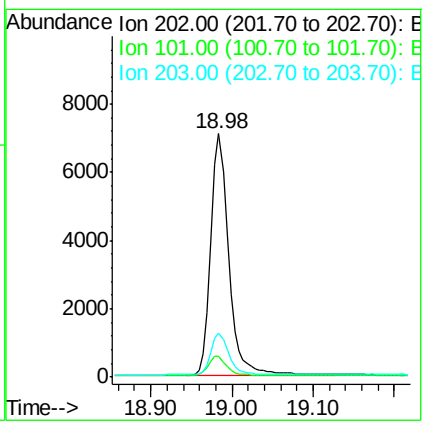


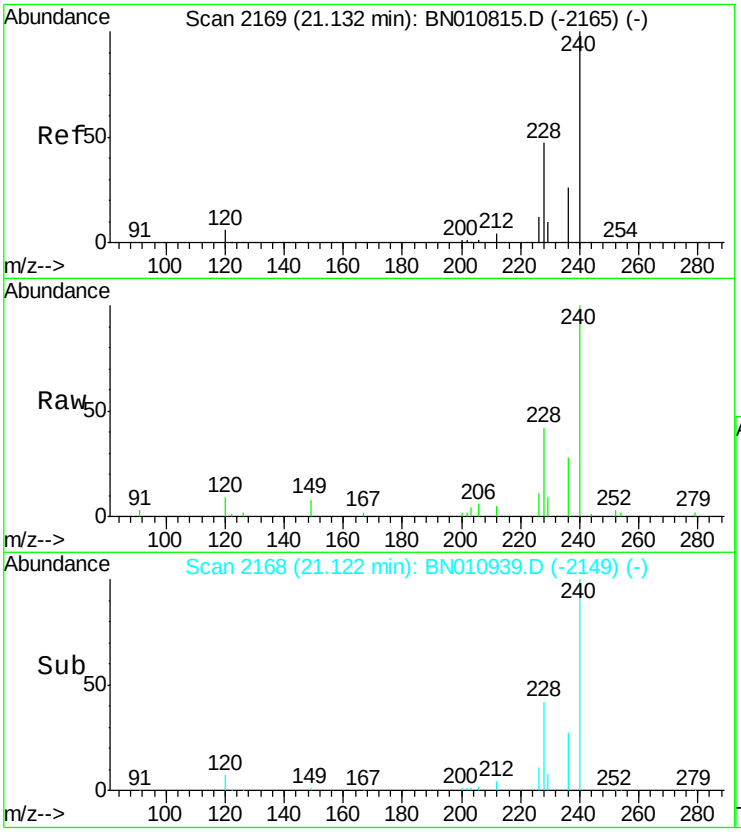


#26
Fluoranthene
Concen: 0.413 ng
RT: 18.98 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:202 Resp: 10913

Ion	Ratio	Lower	Upper
202	100		
101	8.5	5.8	8.6
203	16.9	13.7	20.5



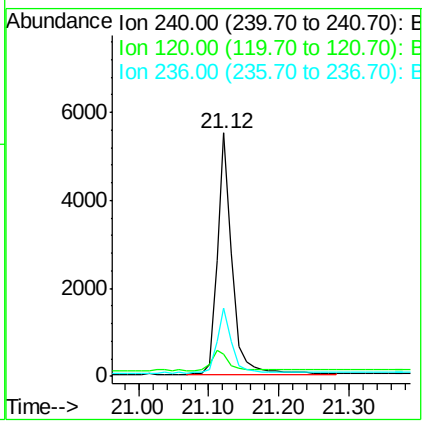


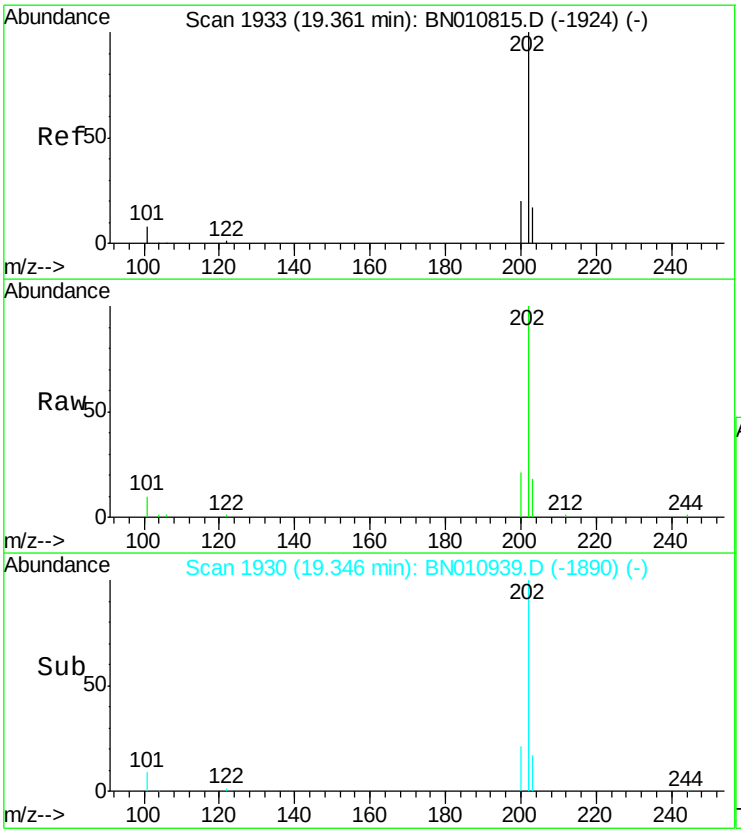
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8034

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.5	11.3
236	28.1	22.3	33.5

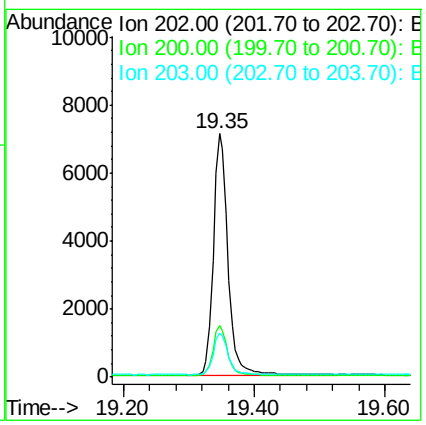


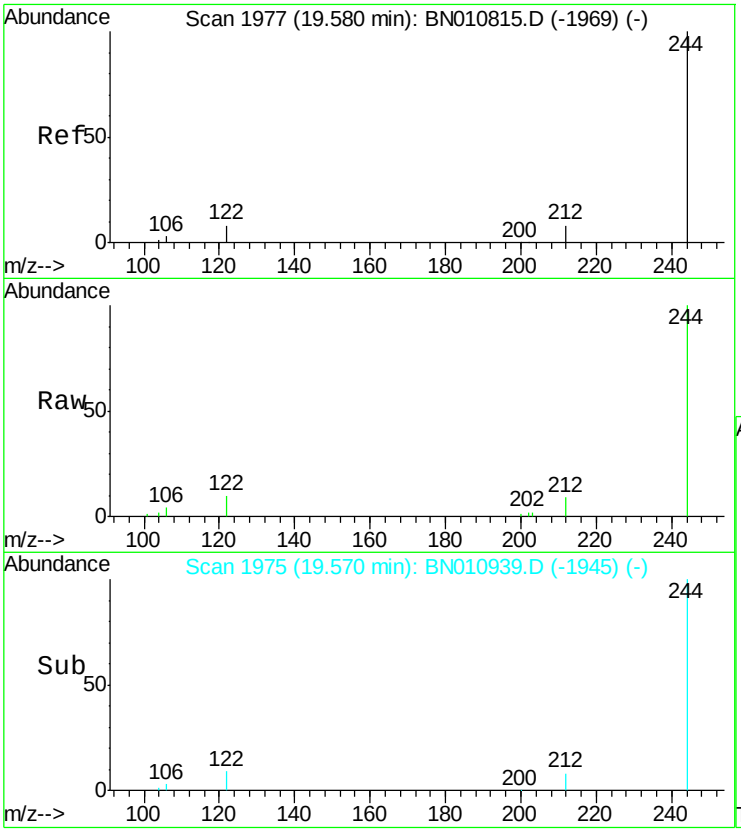


#28
Pyrene
Concen: 0.415 ng
RT: 19.35 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:202 Resp: 11024

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.4	24.6
203	17.6	14.2	21.4



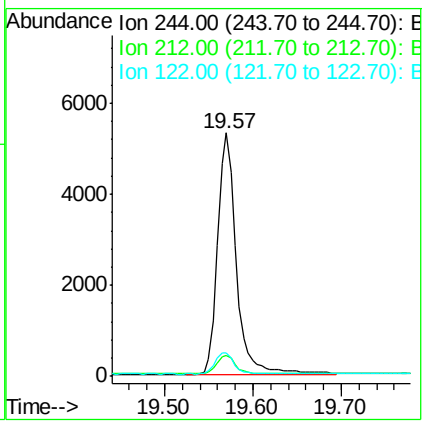


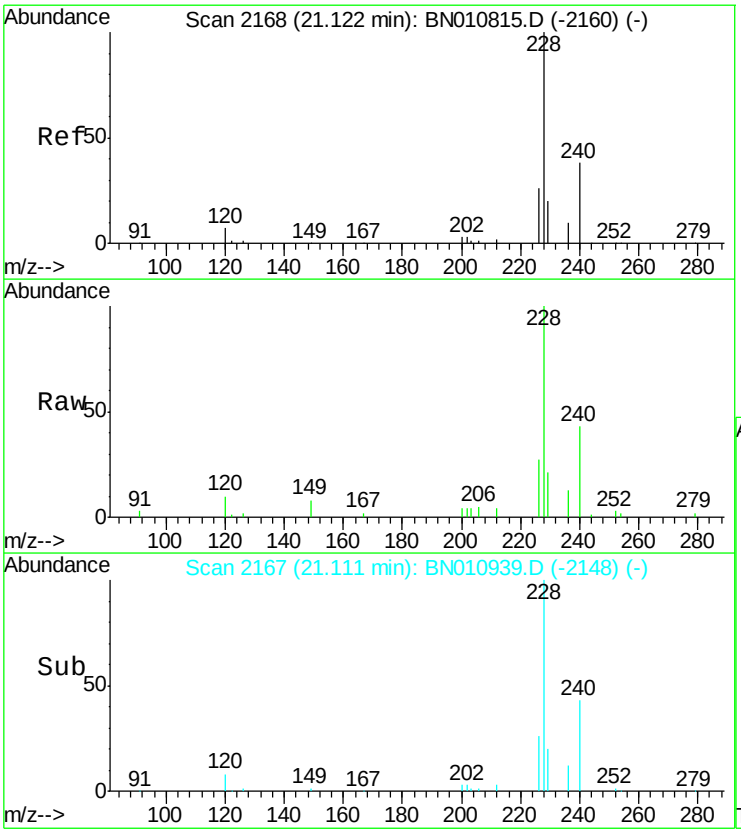
#29
Terphenyl-d14
Concen: 0.415 ng
RT: 19.57 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7803

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.4	11.2
122	9.7	7.5	11.3

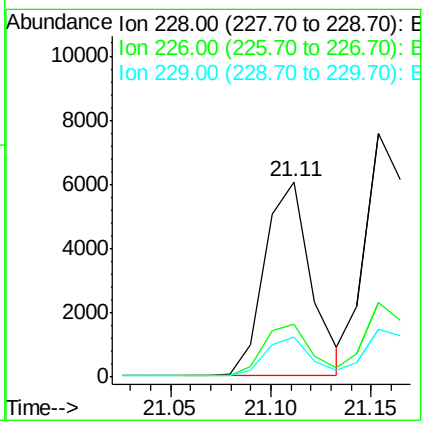


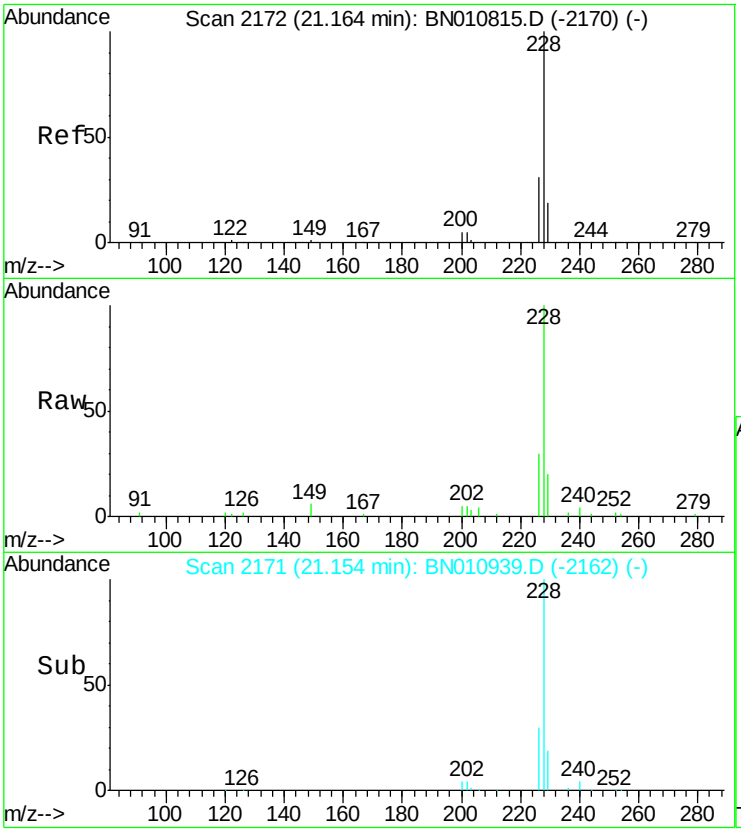


#30
Benzo(a)anthracene
Concen: 0.411 ng
RT: 21.11 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:228 Resp: 9700

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	20.6	16.6	24.8



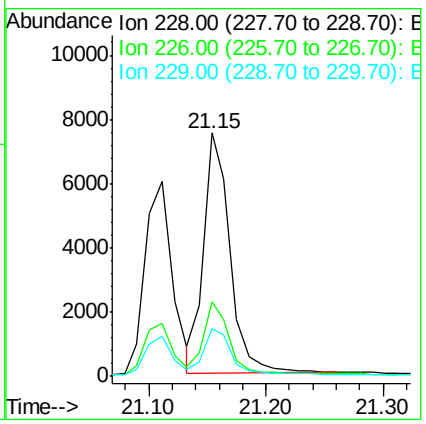


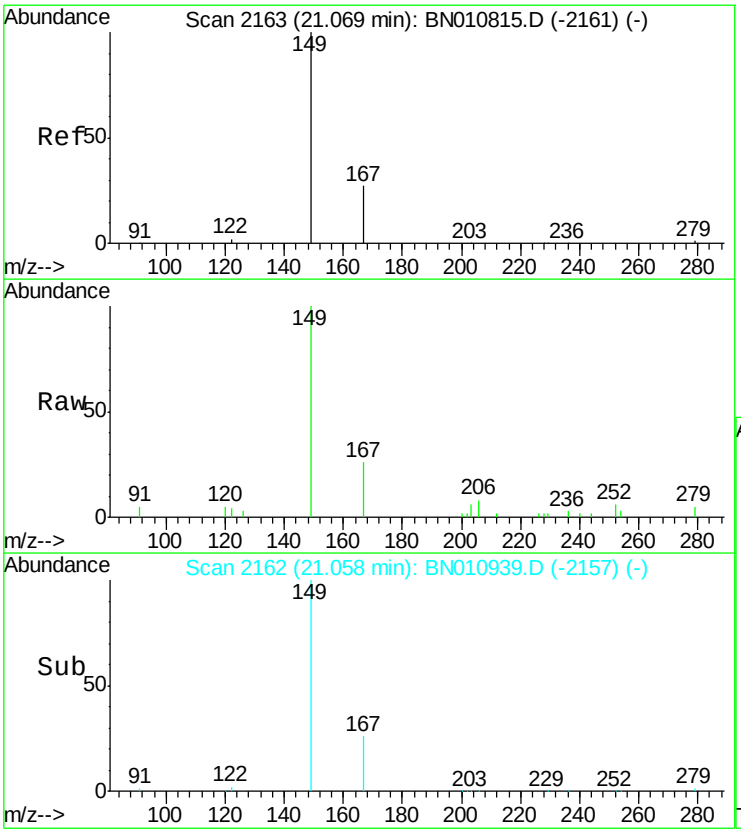
#31
Chrysene
Concen: 0.426 ng
RT: 21.15 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 11715

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	19.6	16.1	24.1

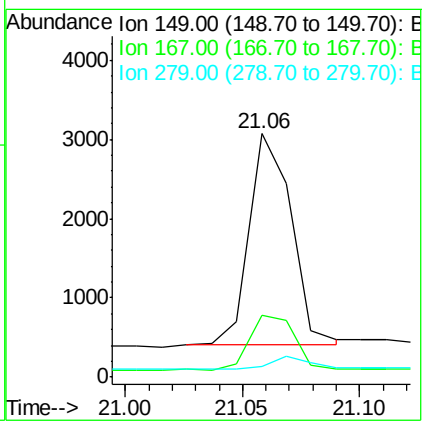


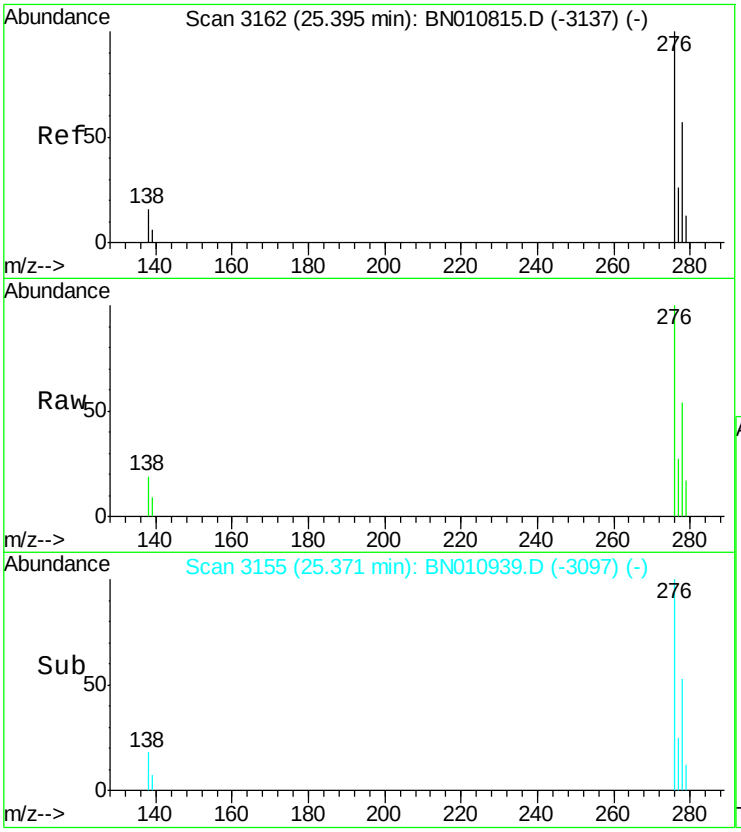


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.422 ng
RT: 21.06 min Scan# 2162
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:149 Resp: 3320

Ion	Ratio	Lower	Upper
149	100		
167	27.9	24.1	36.1
279	5.2	4.6	7.0



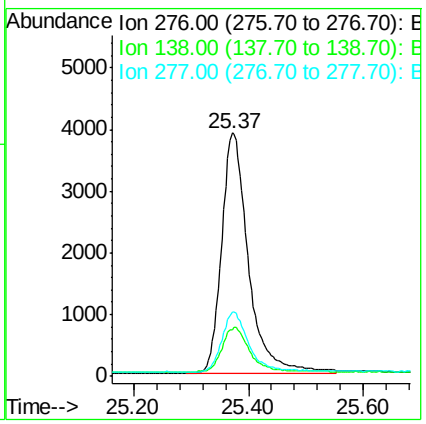


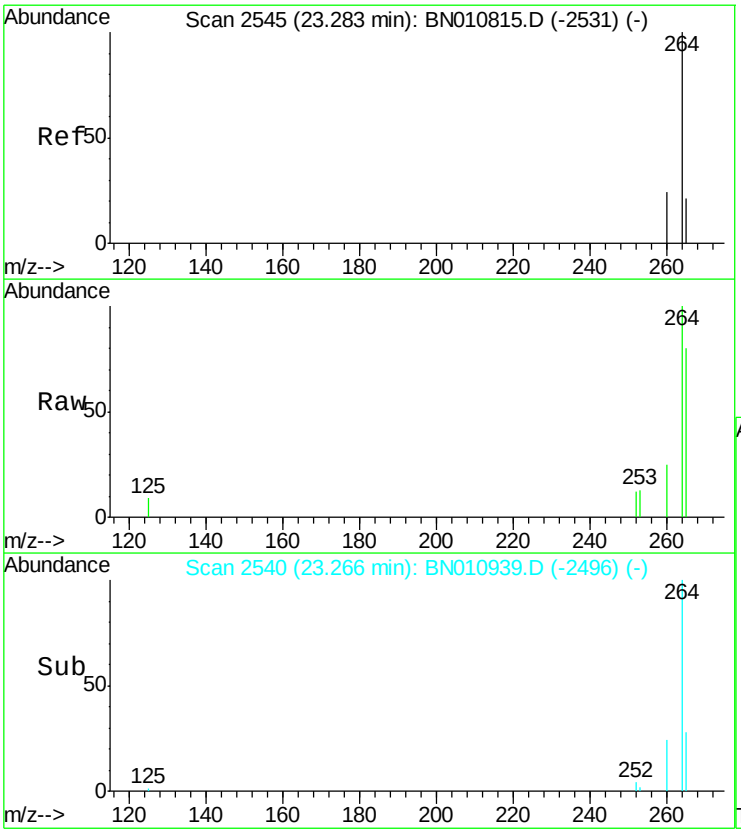
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.412 ng
RT: 25.37 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 12684

Ion	Ratio	Lower	Upper
276	100		
138	18.9	13.0	19.6
277	24.6	19.7	29.5

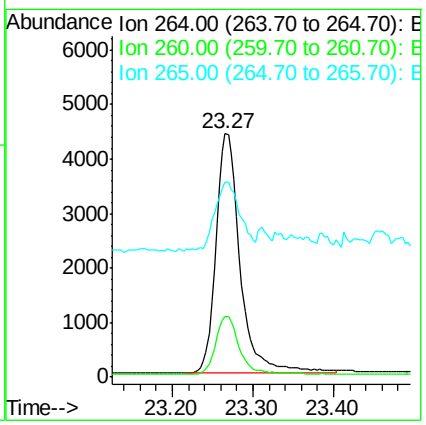


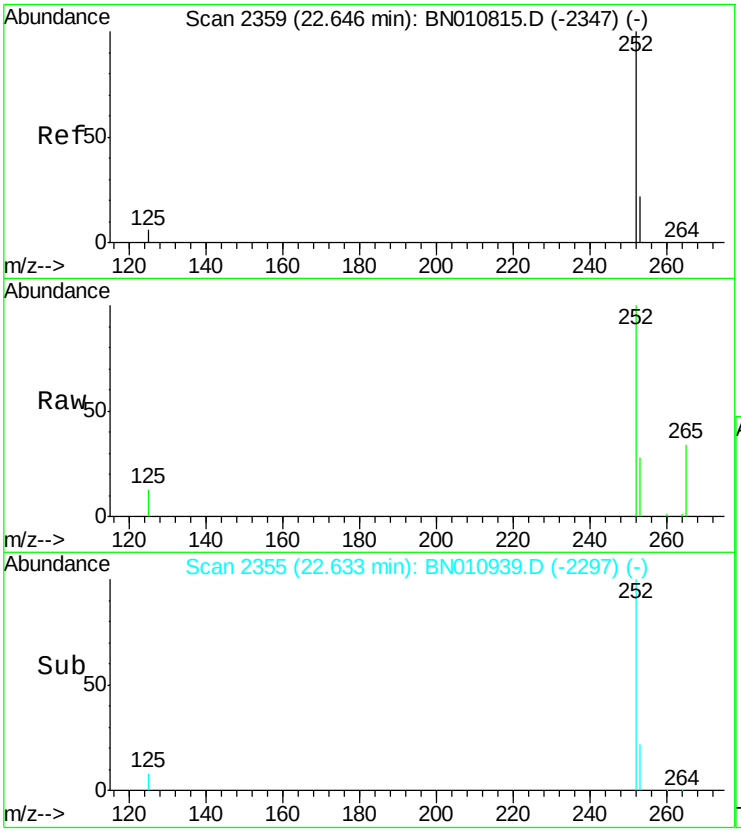


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.27 min Scan# 2540
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:264 Resp: 9148

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.4	30.6
265	79.8	75.0	112.4



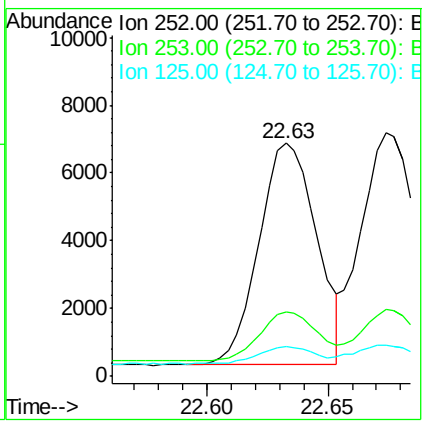


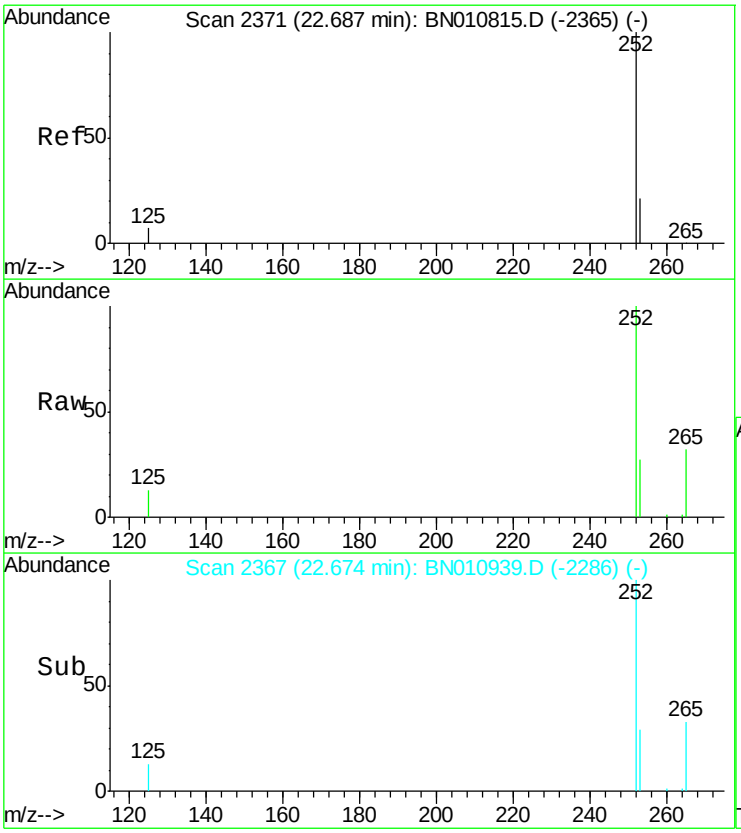
#35
Benzo(b)fluoranthene
Concen: 0.350 ng
RT: 22.63 min Scan# 2355
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10878

Ion	Ratio	Lower	Upper
252	100		
253	27.7	22.4	33.6
125	12.9	9.4	14.0

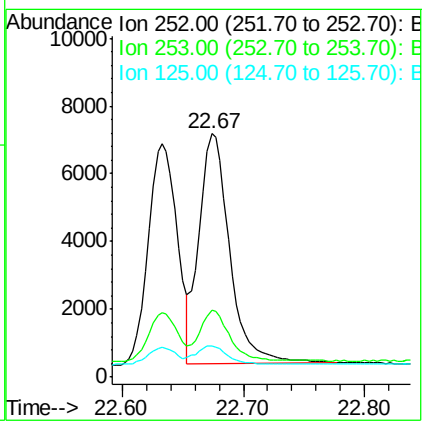


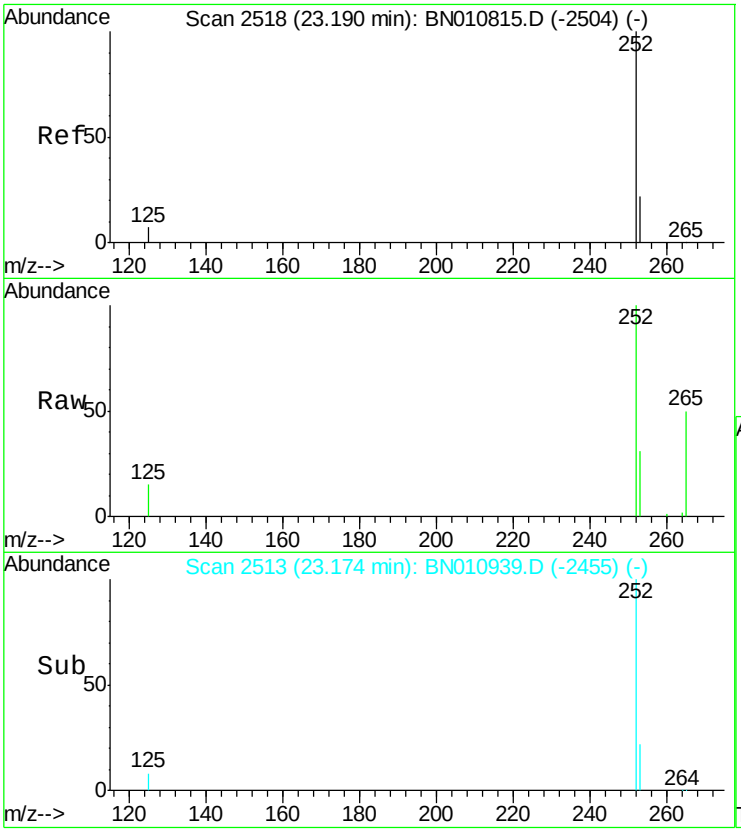


#36
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 22.67 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:252 Resp: 11991

Ion	Ratio	Lower	Upper
252	100		
253	27.3	22.2	33.4
125	12.7	9.8	14.8



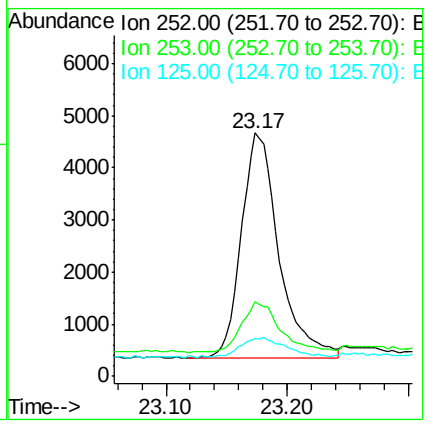


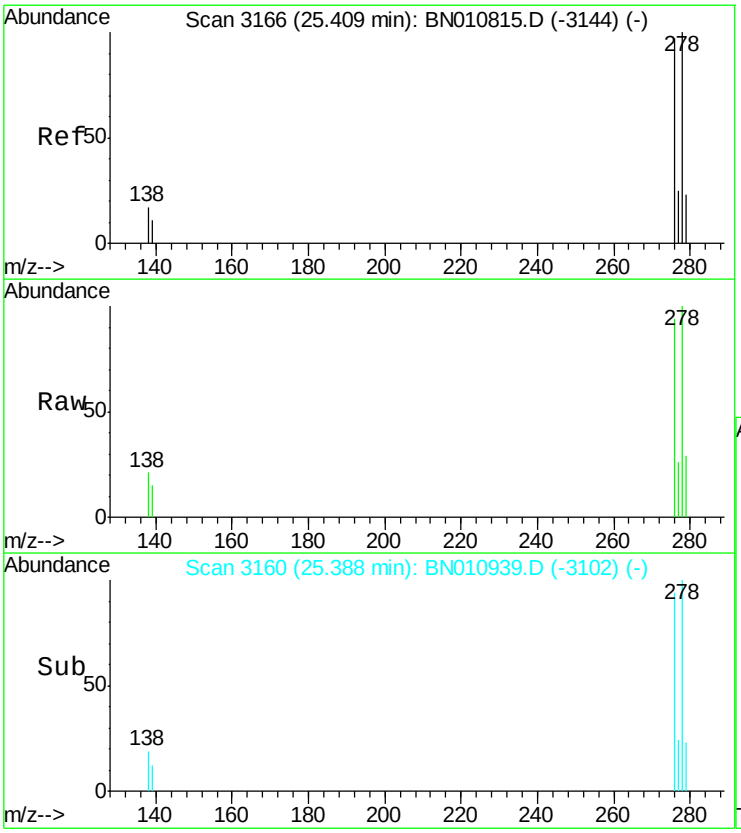
#37
Benzo(a)pyrene
Concen: 0.350 ng
RT: 23.17 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9333

Ion	Ratio	Lower	Upper
252	100		
253	30.7	25.8	38.8
125	15.5	12.4	18.6

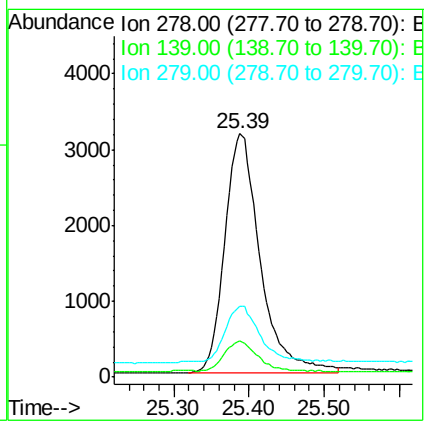


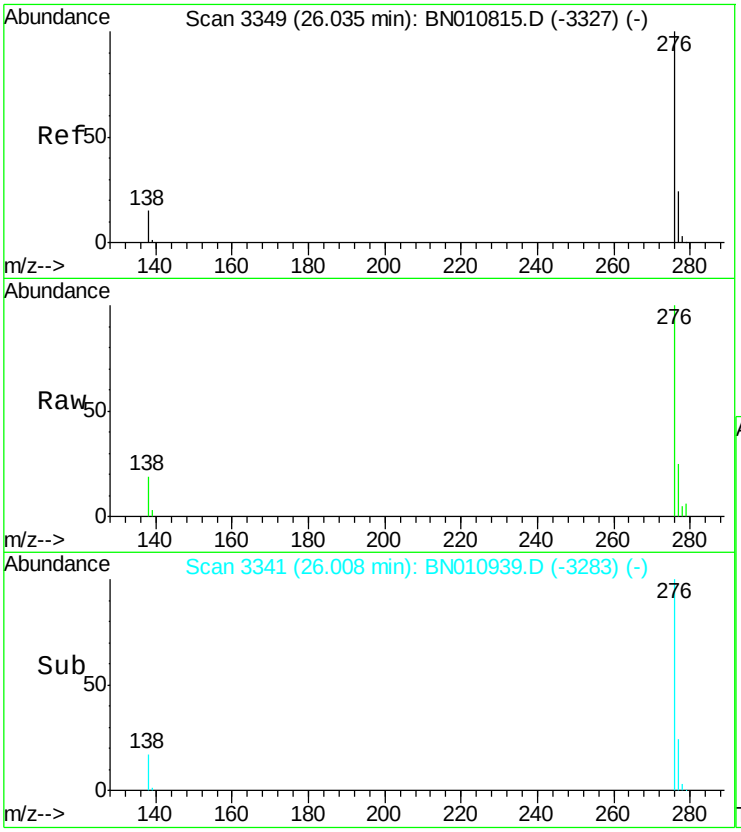


#38
Dibenzo(a,h)anthracene
Concen: 0.333 ng
RT: 25.39 min Scan# 3160
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Tgt Ion:278 Resp: 10137

Ion	Ratio	Lower	Upper
278	100		
139	14.7	10.6	15.8
279	28.9	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.345 ng
RT: 26.01 min Scan# 3341
Delta R.T. 0.00 min
Lab File: BN010939.D
Acq: 17 Jun 2020 12:19

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10981

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.5	30.7
138	18.6	13.7	20.5