Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\
Data File : BN010964.D
Acq On : 19 Jun 2020 11:37
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jun 19 12:46:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 12:43:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	3533	0.40	ng		0.00
7) Naphthalene-d8	10.28	136	11625	0.40	ng		0.00
13) Acenaphthene-d10	14.16	164	6965	0.40	ng		0.00
19) Phenanthrene-d10	16.90	188	14870	0.40	ng		0.00
27) Chrysene-d12	21.12	240	14648	0.40	ng		0.00
34) Perylene-d12	23.26	264	15836	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	3449	0.51	ng		0.00
5) Phenol-d6	6.73	99	3988	0.50	ng		0.00
8) Nitrobenzene-d5	8.67	82	3836	0.45	ng		0.00
11) 2-Methylnaphthalene-d10	11.88	152	7827	0.43	ng		0.00
14) 2,4,6-Tribromophenol	15.65	330	1199	0.48	ng		0.00
15) 2-Fluorobiphenyl	12.78	172	11721	0.43	ng		0.00
25) Fluoranthene-d10	18.94	212	17944	0.44	ng		0.00
29) Terphenyl-d14	19.56	244	14442	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	1600	0.462	ng		100
3) n-Nitrosodimethylamine	3.52	42	1079	0.536	ng	#	98
6) bis(2-Chloroethyl)ether	6.98	93	3741	0.478	ng		94
9) Naphthalene	10.33	128	13231	0.453	ng		99
10) Hexachlorobutadiene	10.62	225	2845	0.394	ng	#	99
12) 2-Methylnaphthalene	11.95	142	8519	0.436	ng		98
16) Acenaphthylene	13.87	152	12315	0.432	ng		99
17) Acenaphthene	14.21	154	7919	0.407	ng		98
18) Fluorene	15.21	166	10601	0.422	ng		99
20) 4-Bromophenyl-phenylether	16.10	248	3607	0.404	ng	#	79
21) Hexachlorobenzene	16.22	284	3619	0.388	ng		98
22) Pentachlorophenol	16.57	266	1658	0.530	ng		95
23) Phenanthrene	16.94	178	17249	0.425	ng		99
24) Anthracene	17.04	178	14919	0.440	ng		100
26) Fluoranthene	18.97	202	20069	0.435	ng	#	99
28) Pyrene	19.34	202	20350	0.420	ng		100
30) Benzo(a)anthracene	21.10	228	19668	0.457	ng		98
31) Chrysene	21.15	228	20405	0.407	ng		98
32) Bis(2-ethylhexyl)phthalate	21.06	149	8644	0.602	ng		96
33) Indeno(1,2,3-cd)pyrene	25.36	276	24356	0.434	ng	#	96
35) Benzo(b)fluoranthene	22.63	252	20143	0.374	ng		96
36) Benzo(k)fluoranthene	22.67	252	21491	0.375	ng		96
37) Benzo(a)pyrene	23.17	252	18393	0.398	ng		92
38) Dibenzo(a,h)anthracene	25.38	278	19914	0.378	ng		94
39) Benzo(g,h,i)perylene	26.00	276	20205	0.367	ng		97

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

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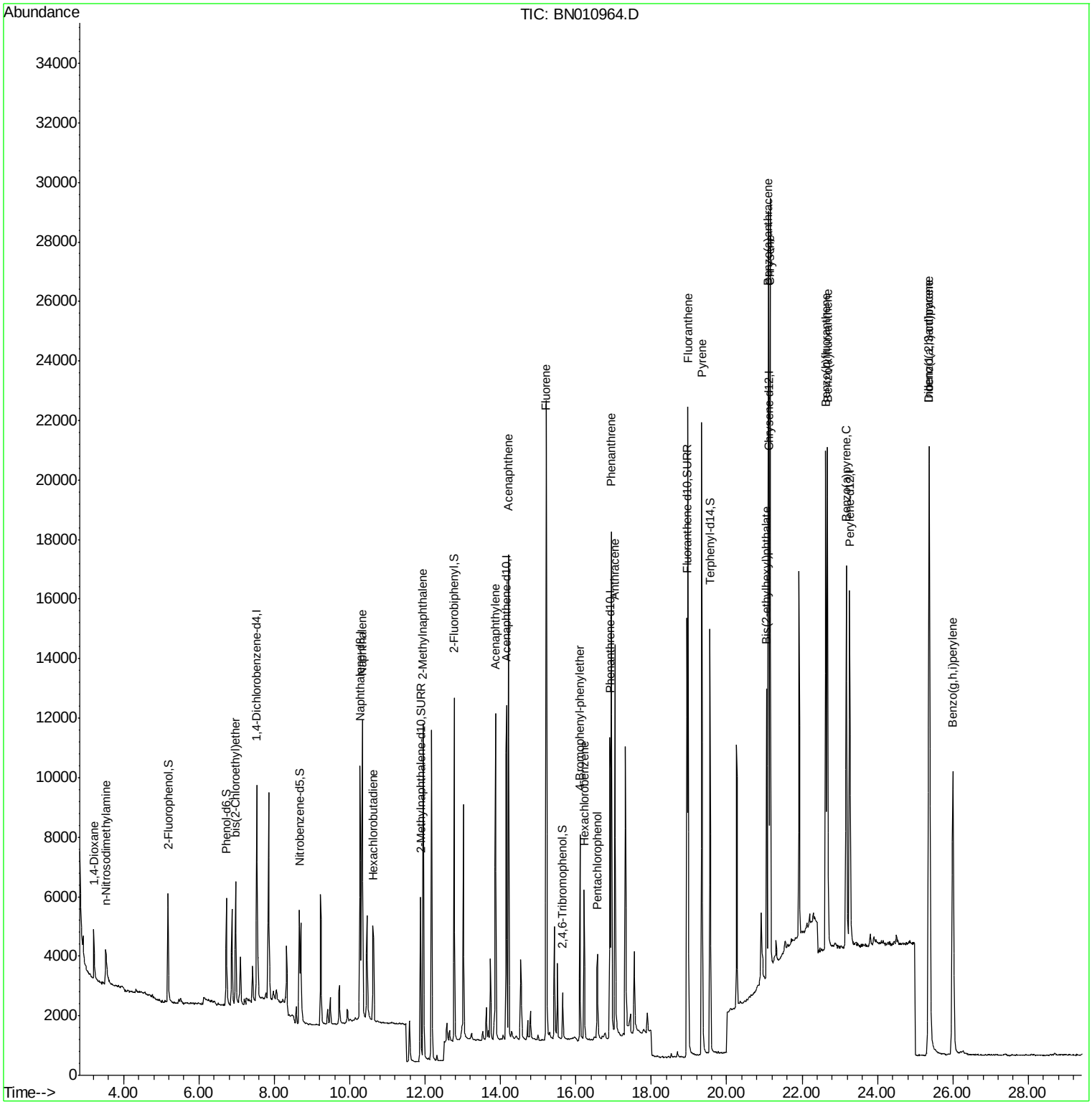
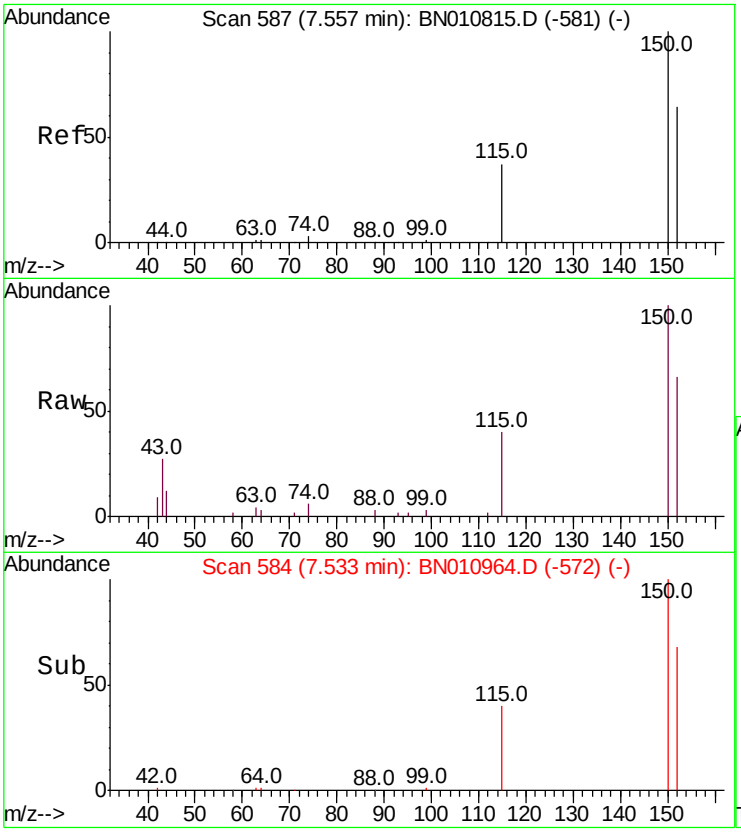
Acq On : 19 Jun 2020 11:37
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 19 12:46:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 12:43:49 2020
Response via : Initial Calibration



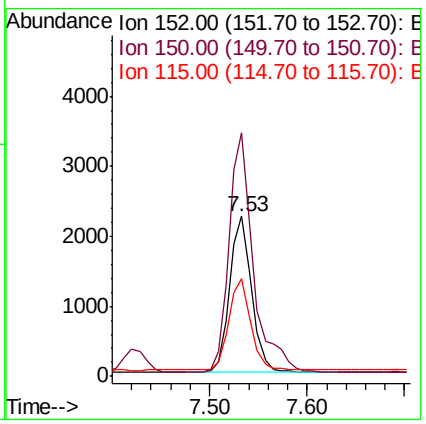


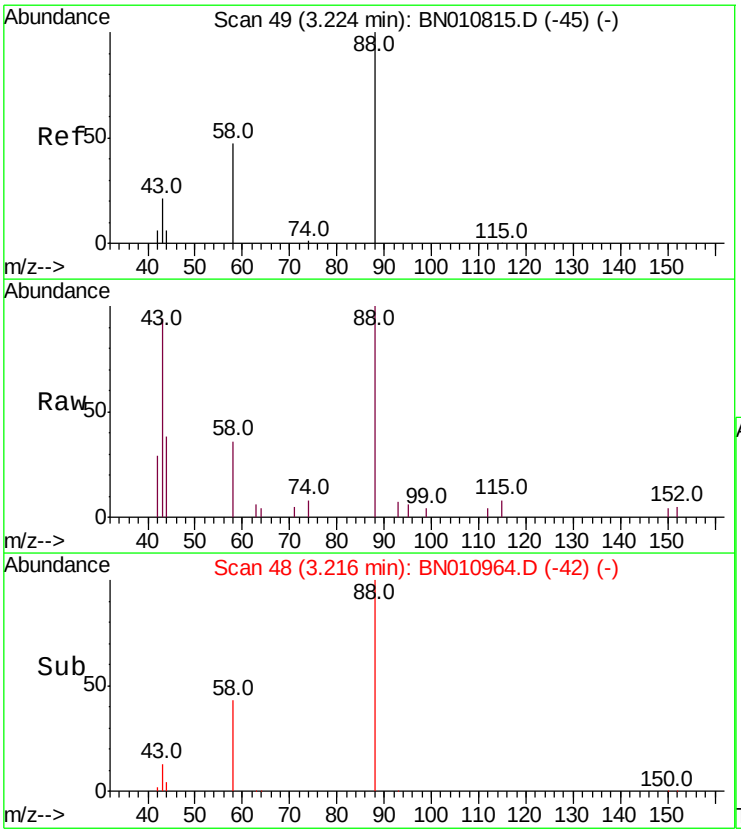
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3533

Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.8	185.6
115	60.8	49.2	73.8

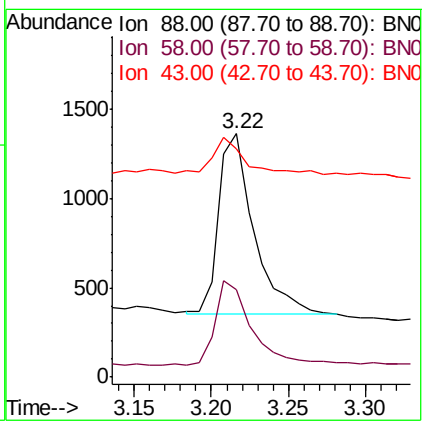


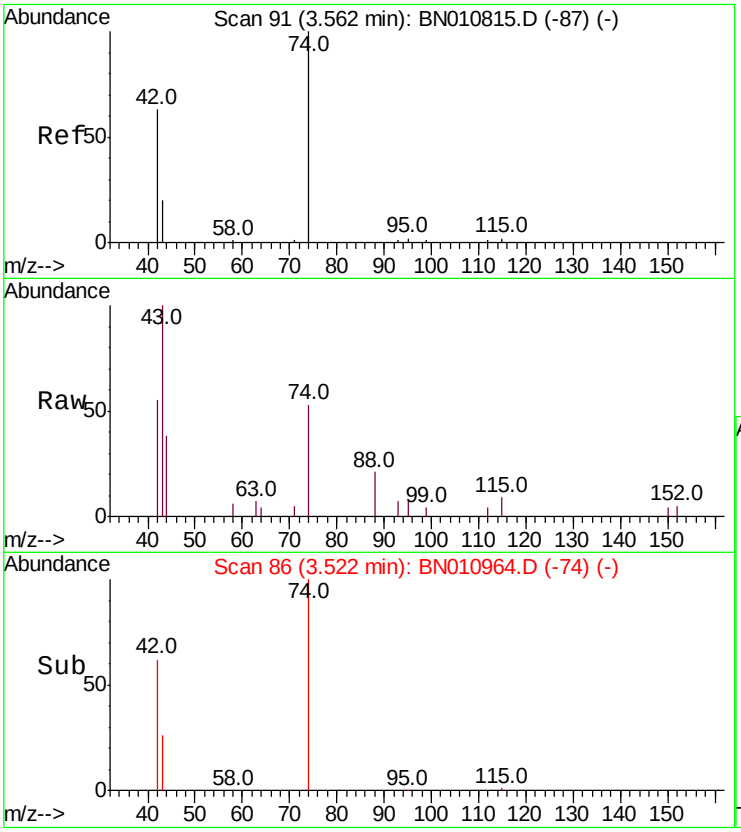


#2
1,4-Dioxane
Concen: 0.462 ng
RT: 3.22 min Scan# 48
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion: 88 Resp: 1600

Ion	Ratio	Lower	Upper
88	100		
58	47.9	38.2	57.4
43	18.6	15.1	22.7



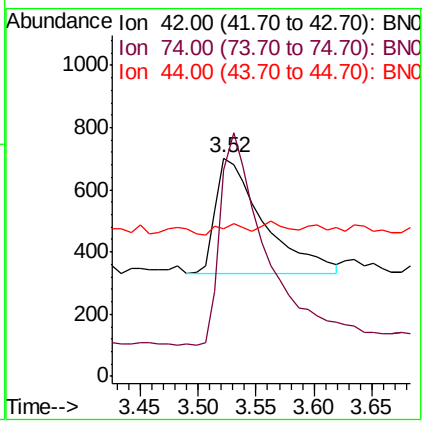


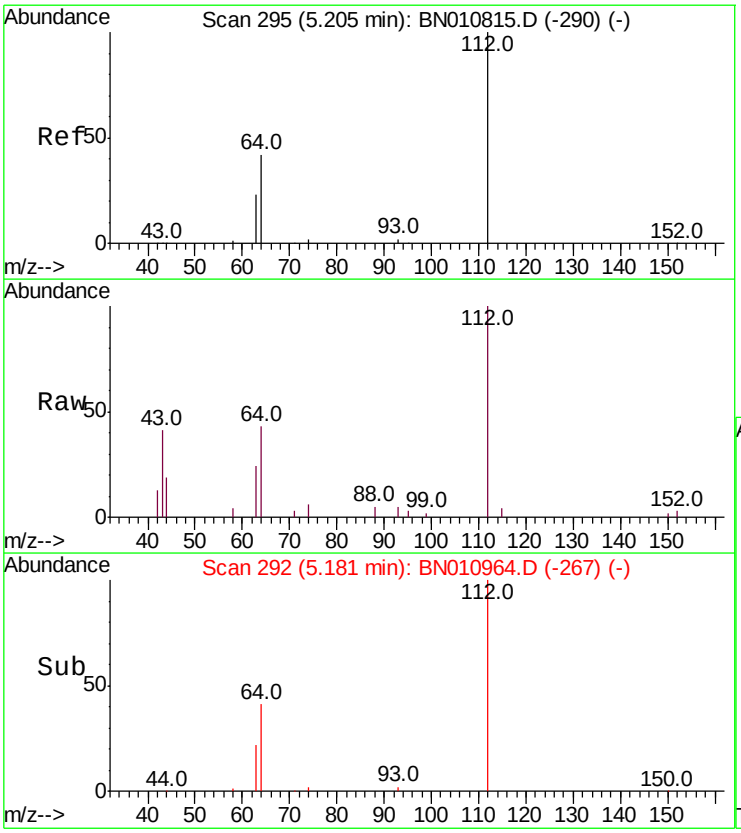
#3
n-Nitrosodimethylamine
Concen: 0.536 ng
RT: 3.52 min Scan# 86
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1079

Ion	Ratio	Lower	Upper
42	100		
74	173.5	140.7	211.1
44	5.3	1.4	2.2#

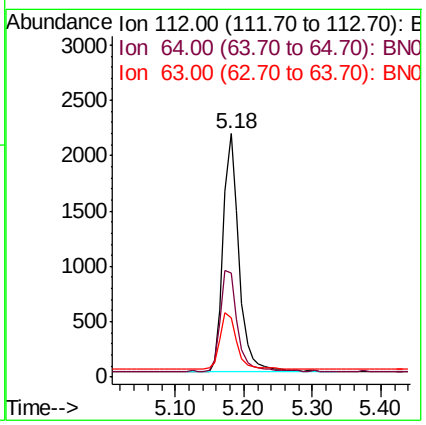


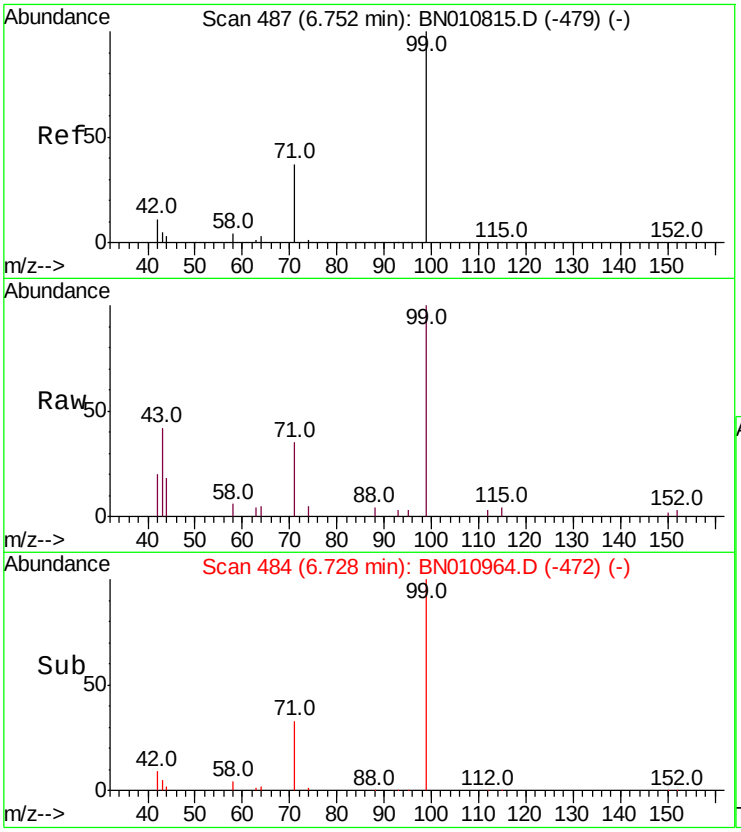


#4
2-Fluorophenol
Concen: 0.506 ng
RT: 5.18 min Scan# 292
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:112 Resp: 3449

Ion	Ratio	Lower	Upper
112	100		
64	45.8	37.4	56.0
63	25.5	22.2	33.4



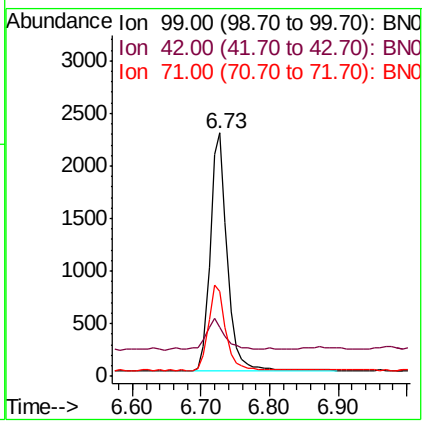


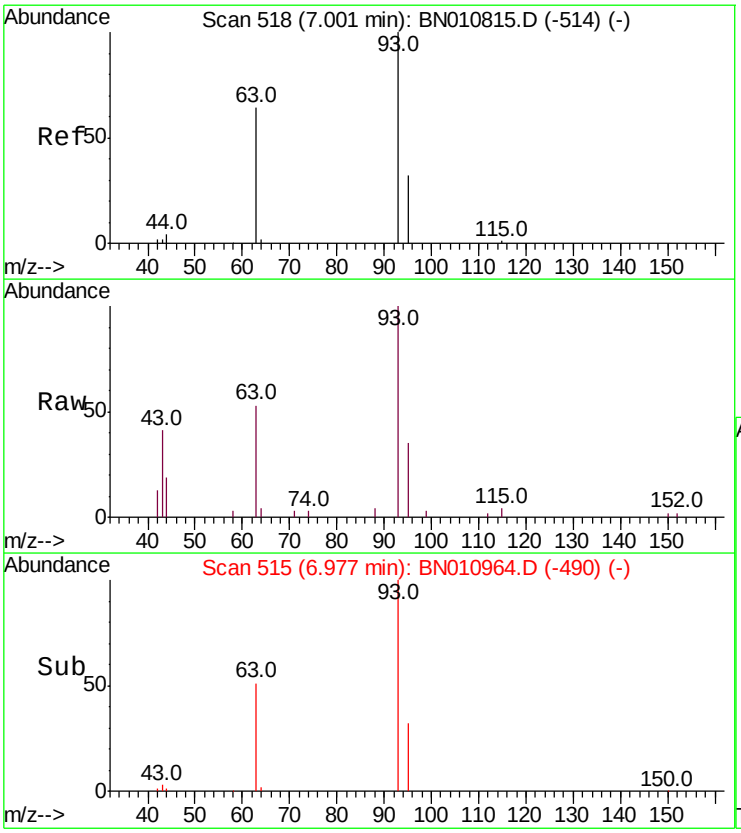
#5
Phenol-d6
Concen: 0.496 ng
RT: 6.73 min Scan# 484
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3988

Ion	Ratio	Lower	Upper
99	100		
42	13.5	11.1	16.7
71	35.7	31.4	47.2

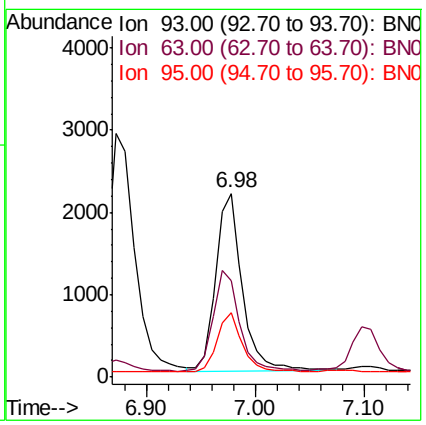


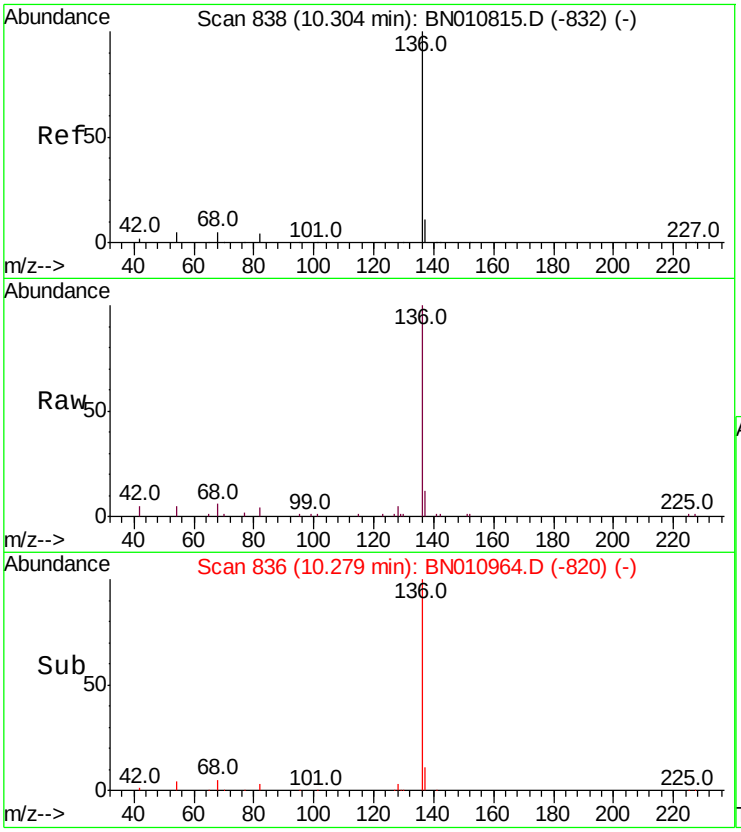


#6
bis(2-Chloroethyl)ether
Concen: 0.478 ng
RT: 6.98 min Scan# 515
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion: 93 Resp: 3741

Ion	Ratio	Lower	Upper
93	100		
63	55.5	49.4	74.2
95	31.9	26.7	40.1



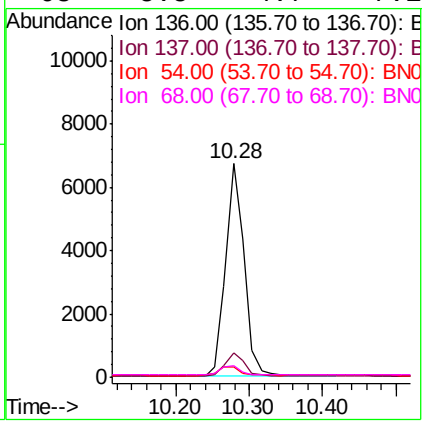


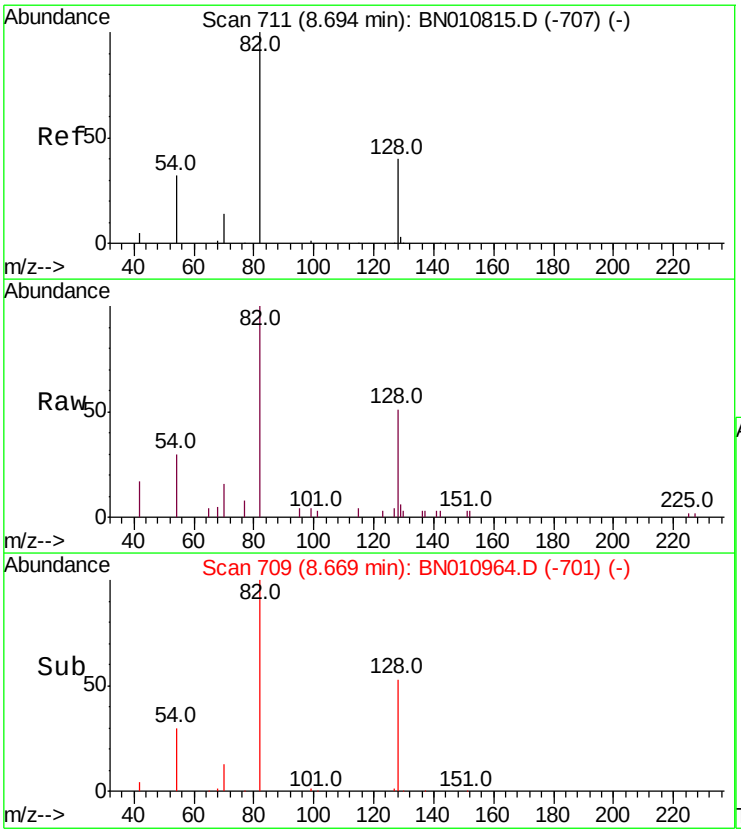
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 11625

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	4.7	4.9	7.3#
68	5.5	4.7	7.1

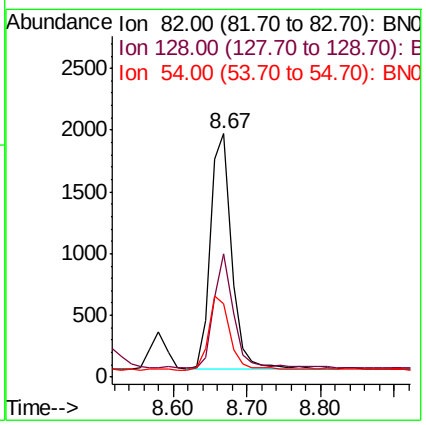


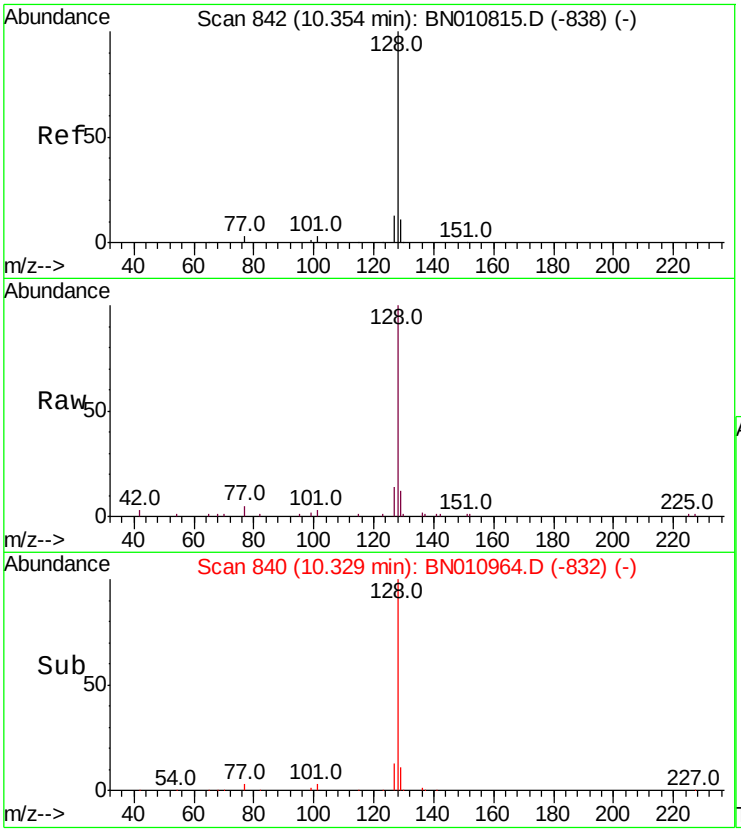


#8
Nitrobenzene-d5
Concen: 0.446 ng
RT: 8.67 min Scan# 709
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion: 82 Resp: 3836

Ion	Ratio	Lower	Upper
82	100		
128	50.9	35.4	53.0
54	30.3	28.2	42.4



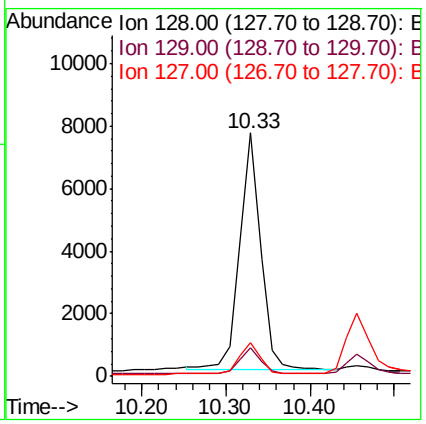


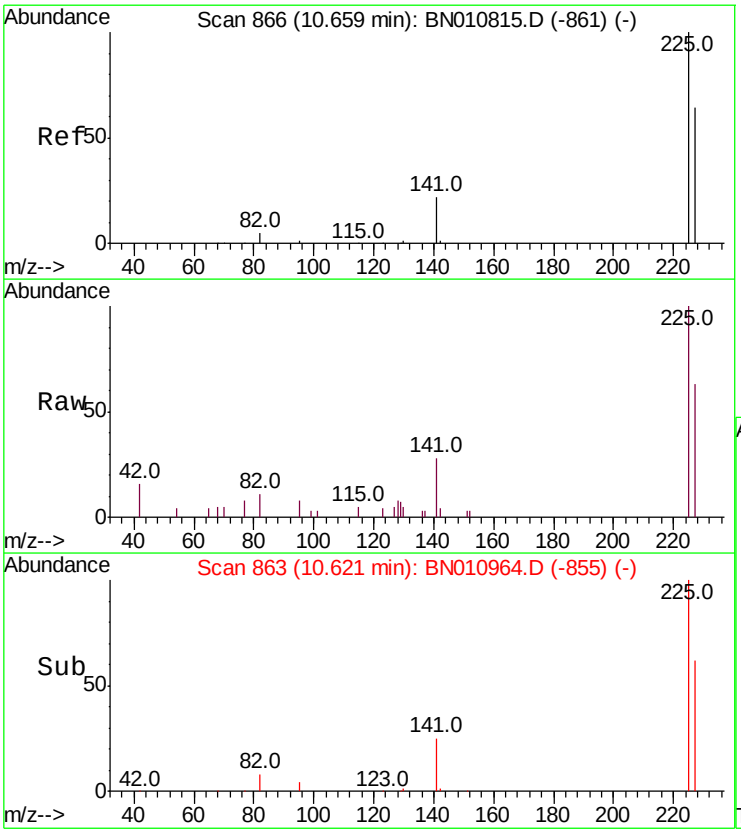
#9
Naphthalene
Concen: 0.453 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 13231

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.6	14.4
127	13.7	11.4	17.2

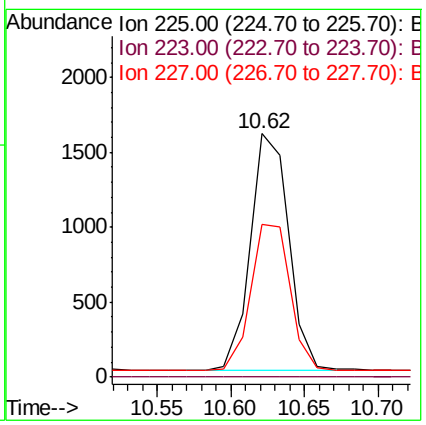


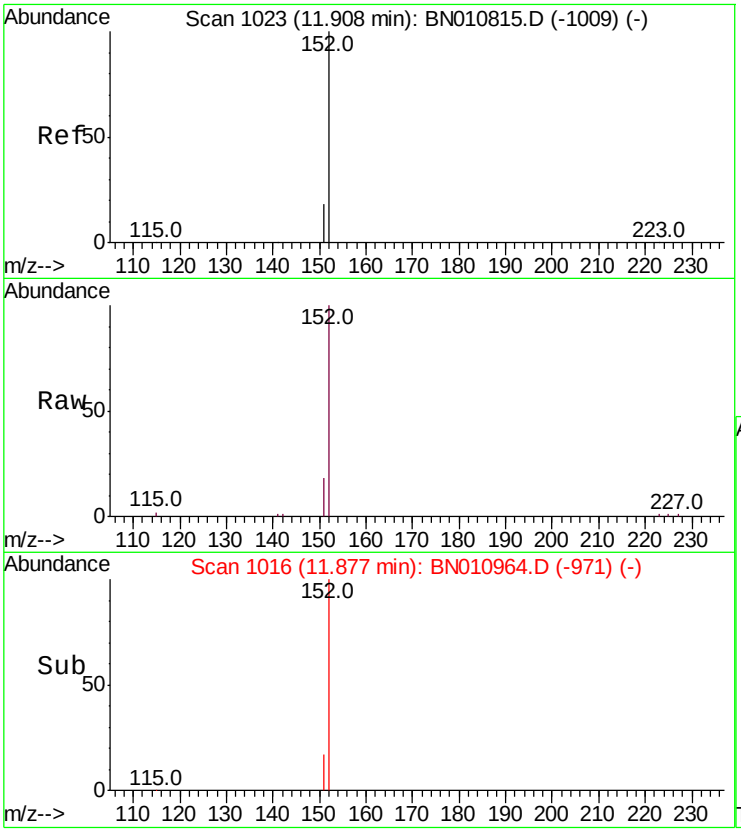


#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.62 min Scan# 863
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:225 Resp: 2845

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.5	75.7



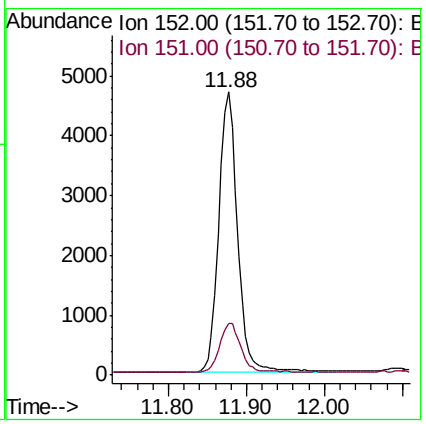


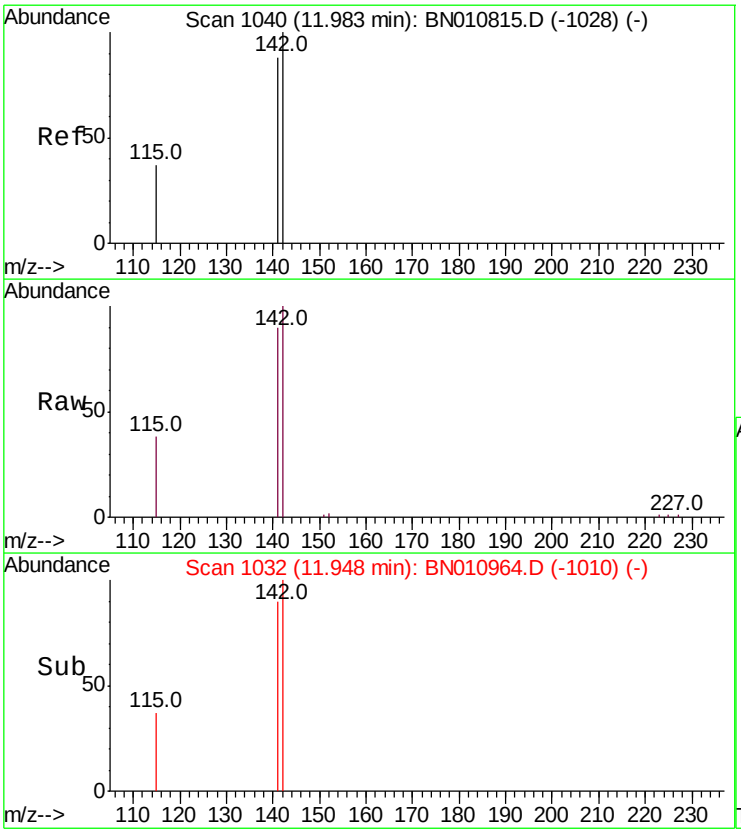
#11
2-Methylnaphthalene-d10
Concen: 0.434 ng
RT: 11.88 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7827

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.3	22.9

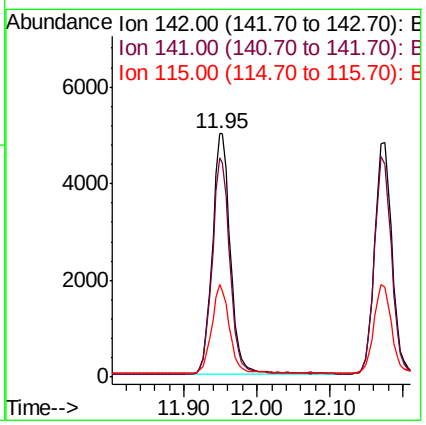


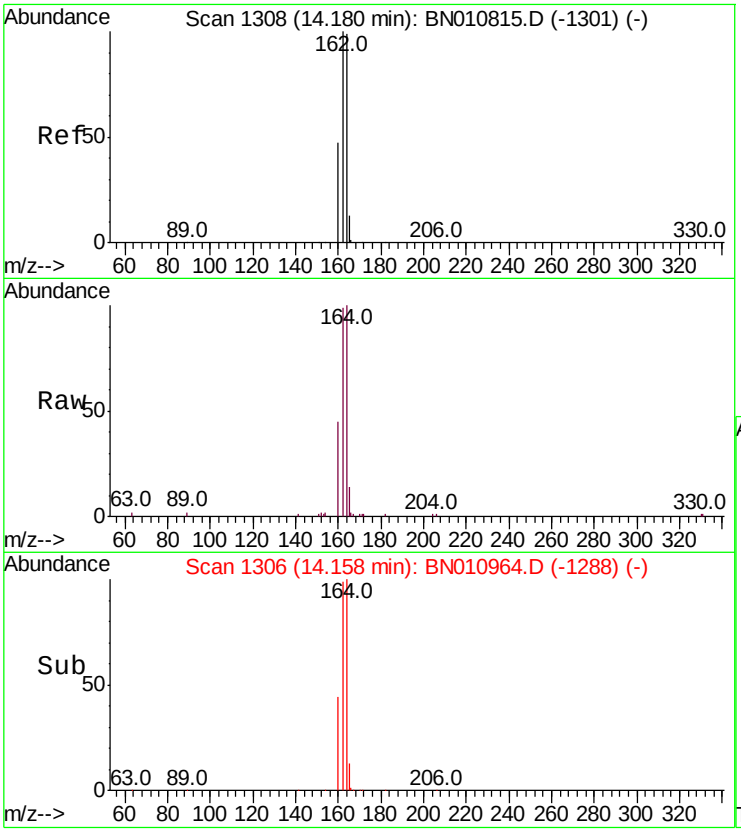


#12
2-Methylnaphthalene
Concen: 0.436 ng
RT: 11.95 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:142 Resp: 8519

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	38.1	31.5	47.3



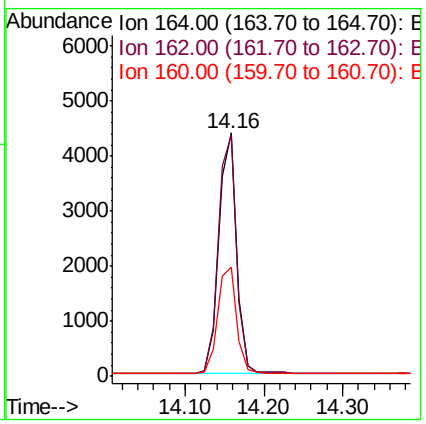


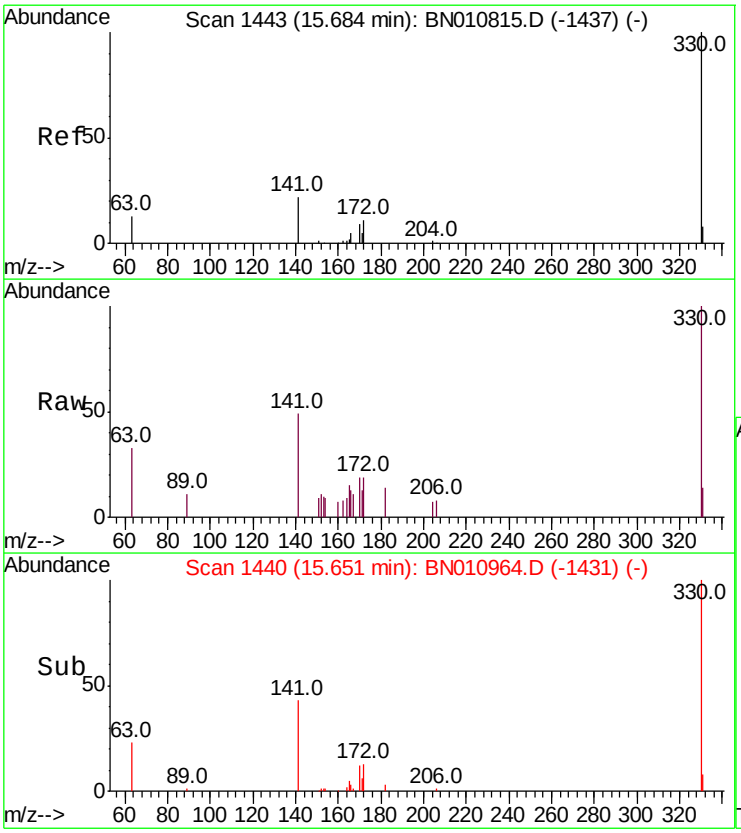
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 6965

Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.0	121.6
160	44.8	38.9	58.3

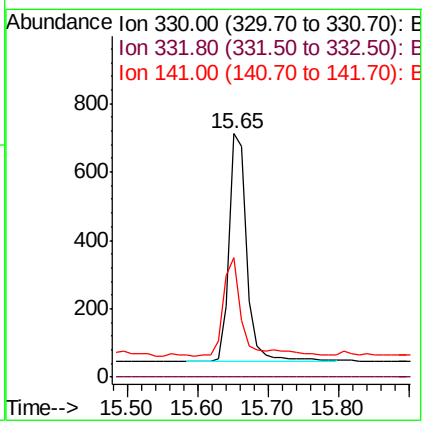


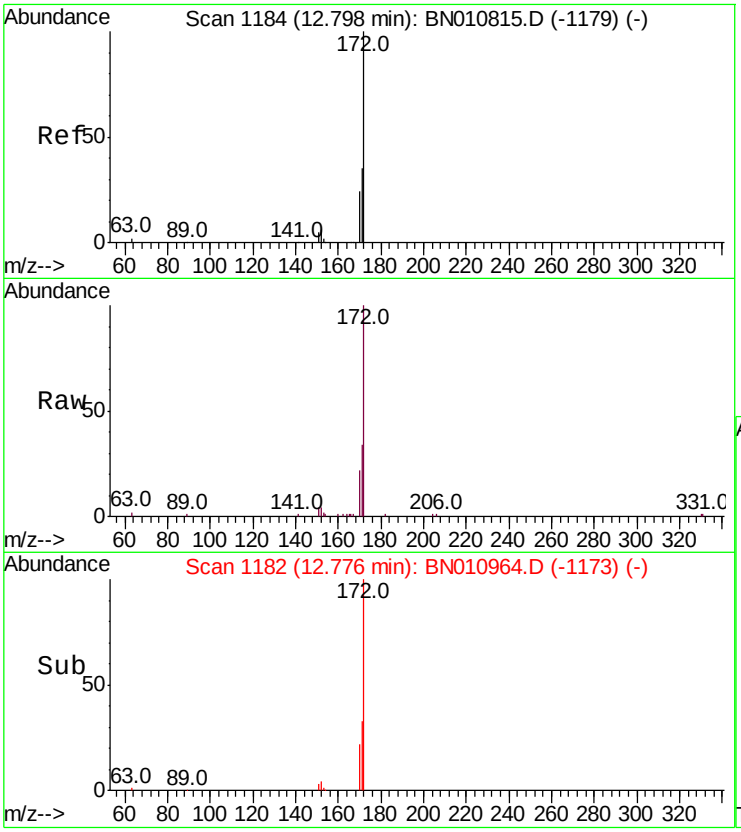


#14
2,4,6-Tribromophenol
Concen: 0.481 ng
RT: 15.65 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:330 Resp: 1199

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.8	33.2	49.8



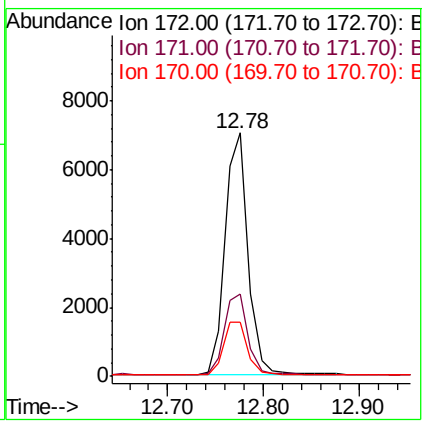


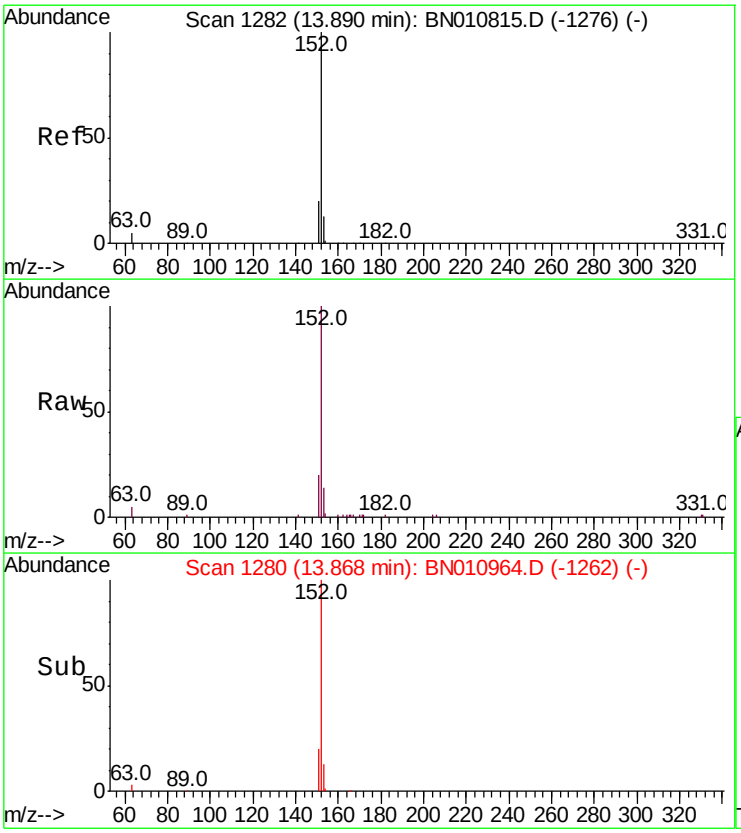
#15
2-Fluorobiphenyl
Concen: 0.426 ng
RT: 12.78 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 11721

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.5	42.7
170	22.2	19.7	29.5

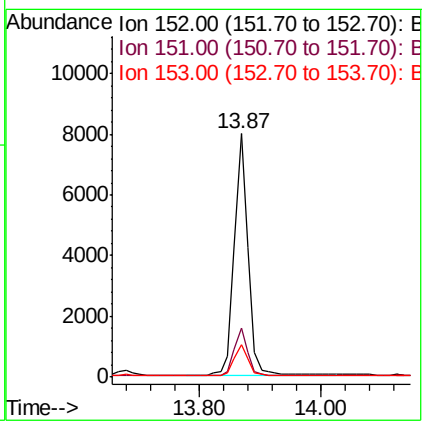


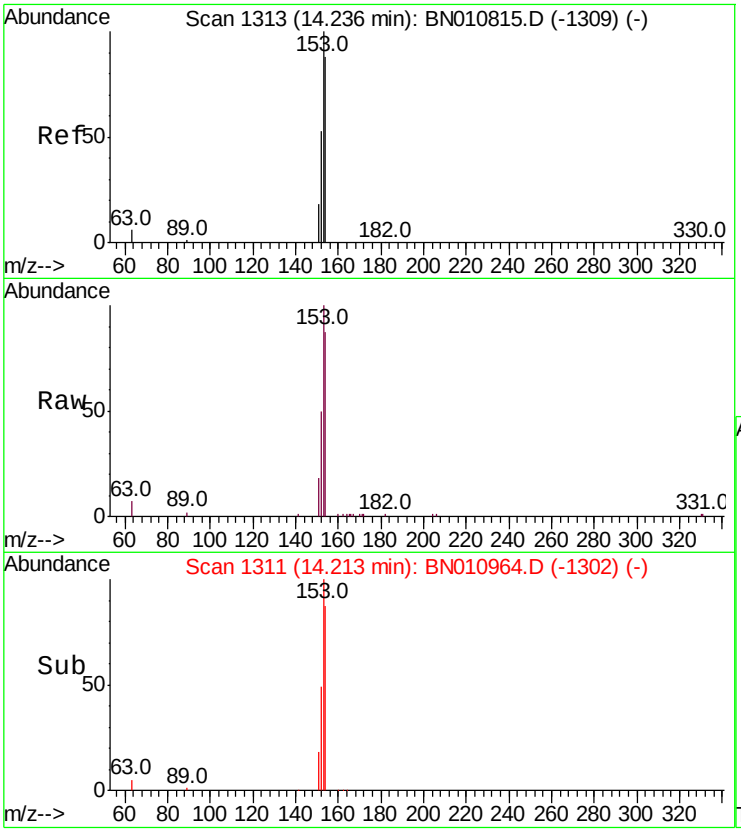


#16
Acenaphthylene
Concen: 0.432 ng
RT: 13.87 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:152 Resp: 12315

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.6	23.4
153	13.0	10.6	16.0



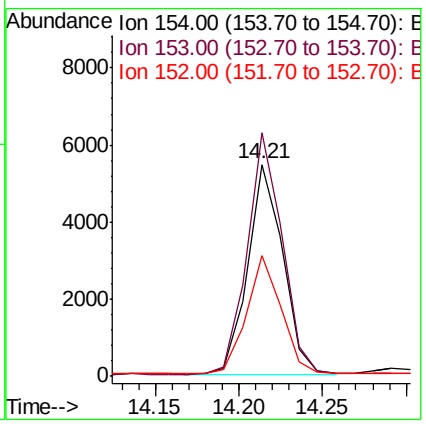


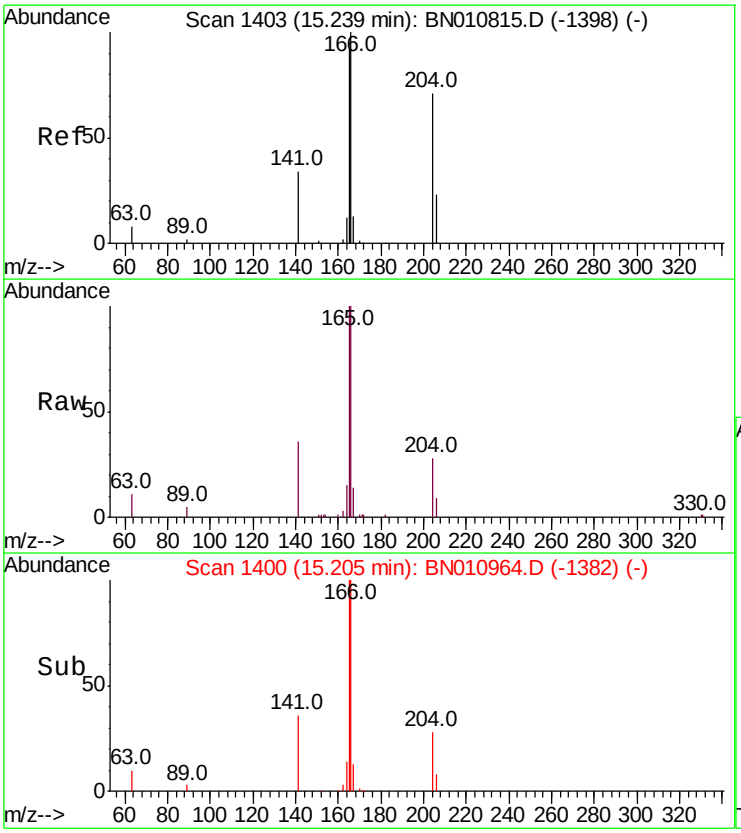
#17
Acenaphthene
Concen: 0.407 ng
RT: 14.21 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 7919

Ion	Ratio	Lower	Upper
154	100		
153	115.4	91.8	137.6
152	56.3	47.6	71.4

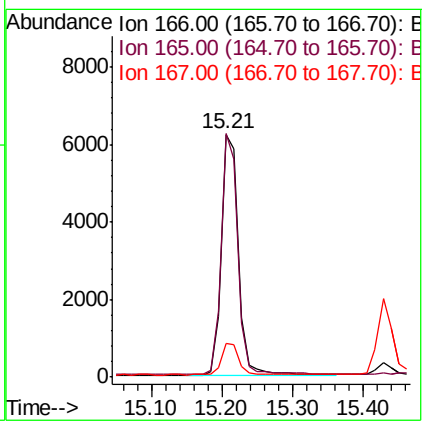


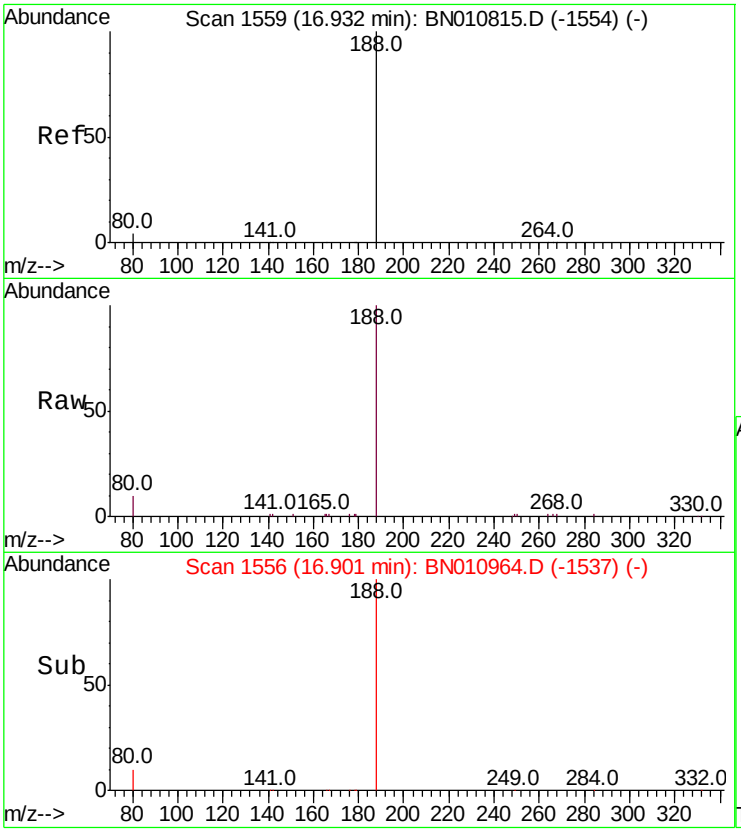


#18
Fluorene
Concen: 0.422 ng
RT: 15.21 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:166 Resp: 10601

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.2	115.8
167	13.4	10.7	16.1



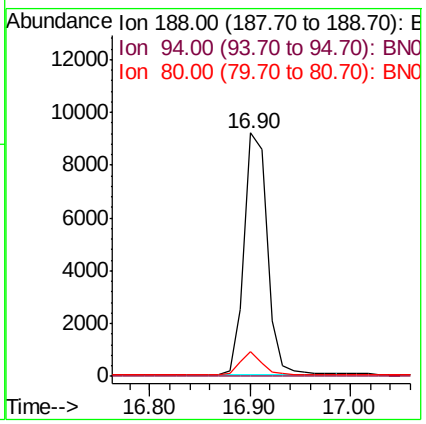


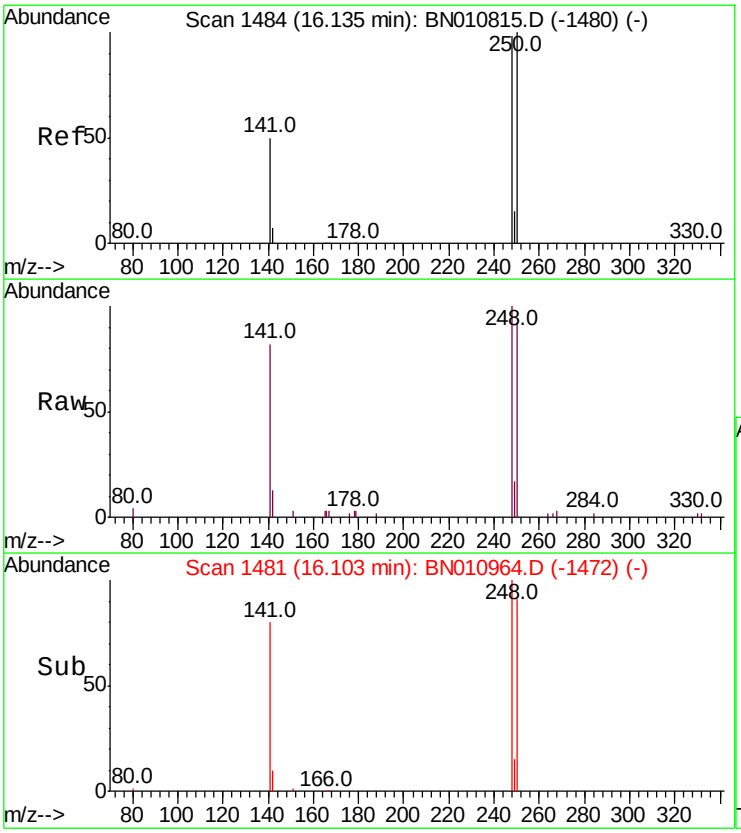
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.90 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 14870

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	4.5	6.7#

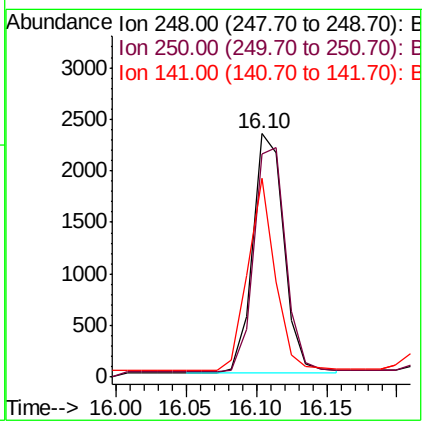


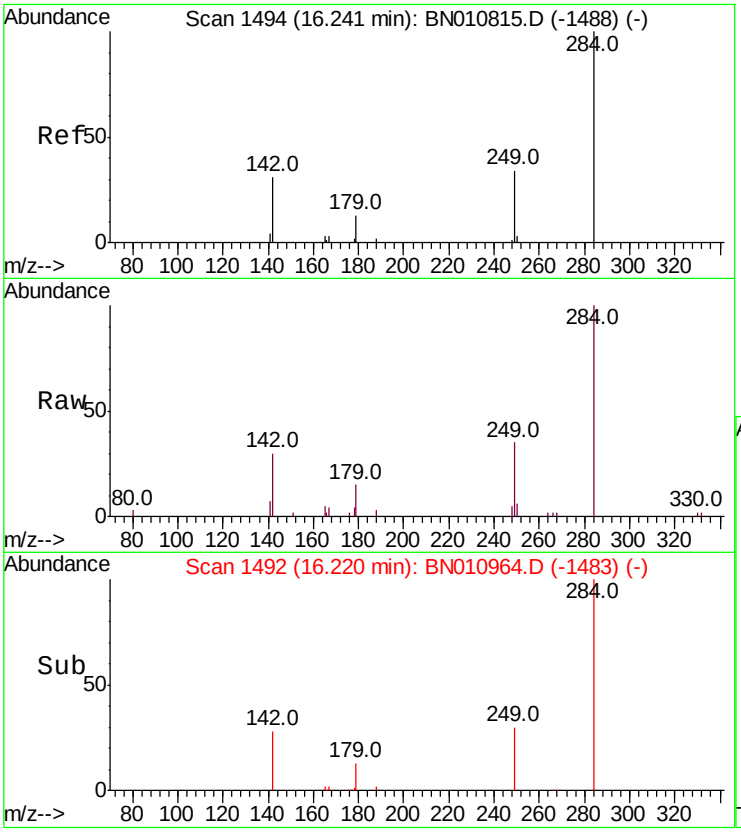


#20
4-Bromophenyl-phenylether
Concen: 0.404 ng
RT: 16.10 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:248 Resp: 3607

Ion	Ratio	Lower	Upper
248	100		
250	91.7	81.8	122.8
141	81.7	42.6	64.0#



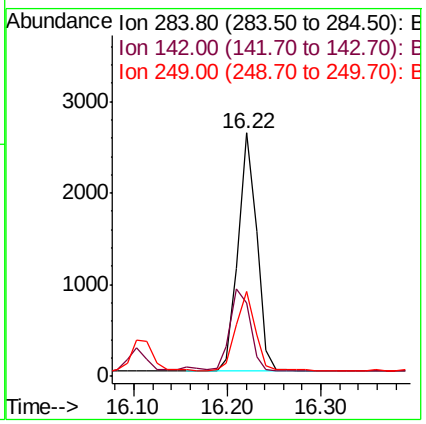


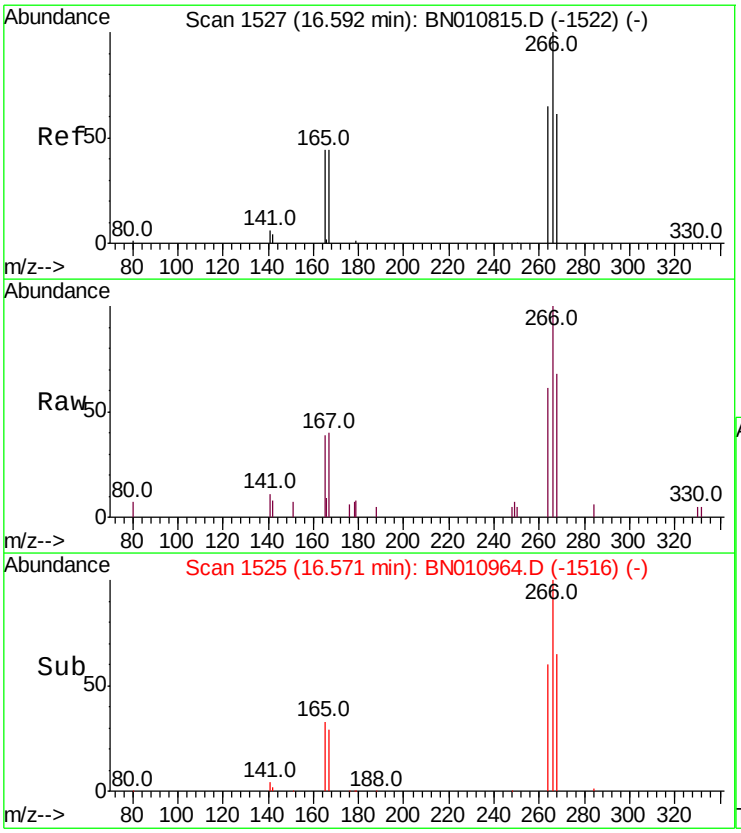
#21
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.22 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 3619

Ion	Ratio	Lower	Upper
284	100		
142	37.2	31.0	46.4
249	33.5	27.1	40.7

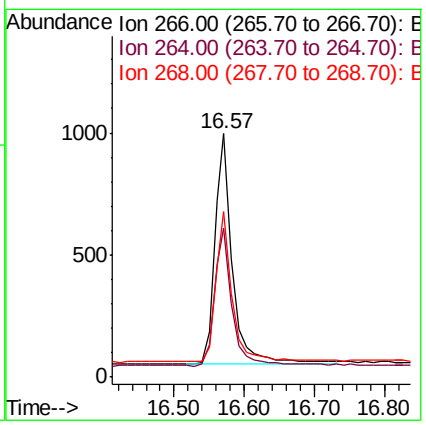


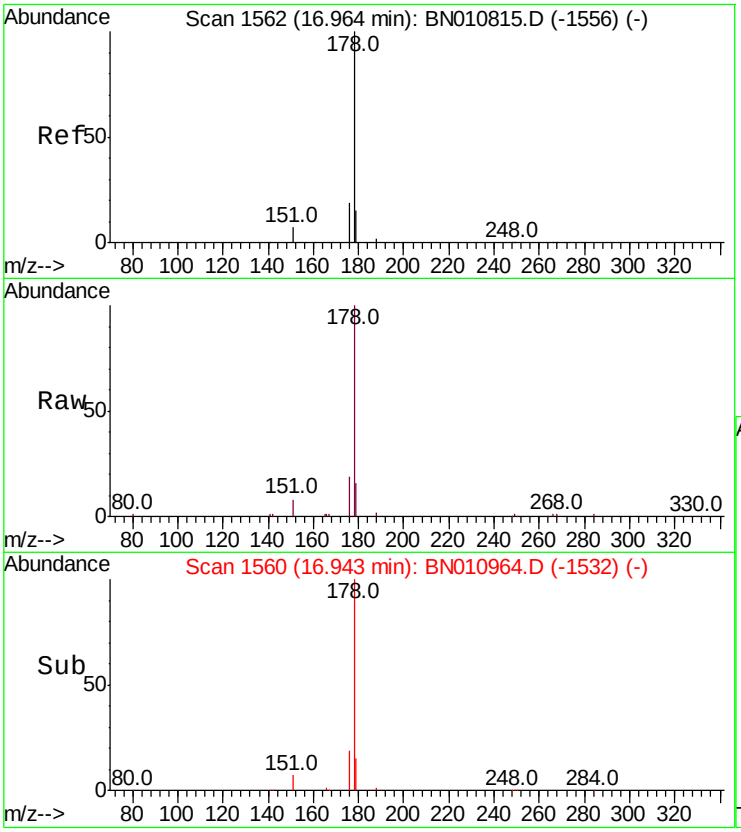


#22
Pentachlorophenol
Concen: 0.530 ng
RT: 16.57 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:266 Resp: 1658

Ion	Ratio	Lower	Upper
266	100		
264	61.4	54.8	82.2
268	68.1	55.9	83.9



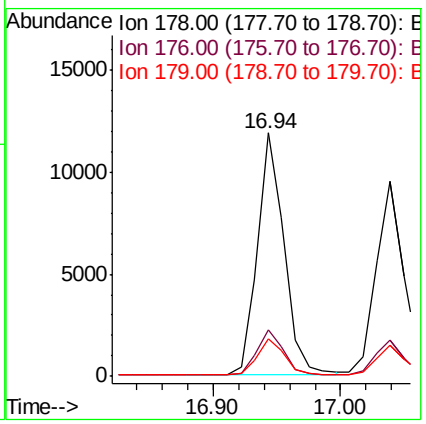


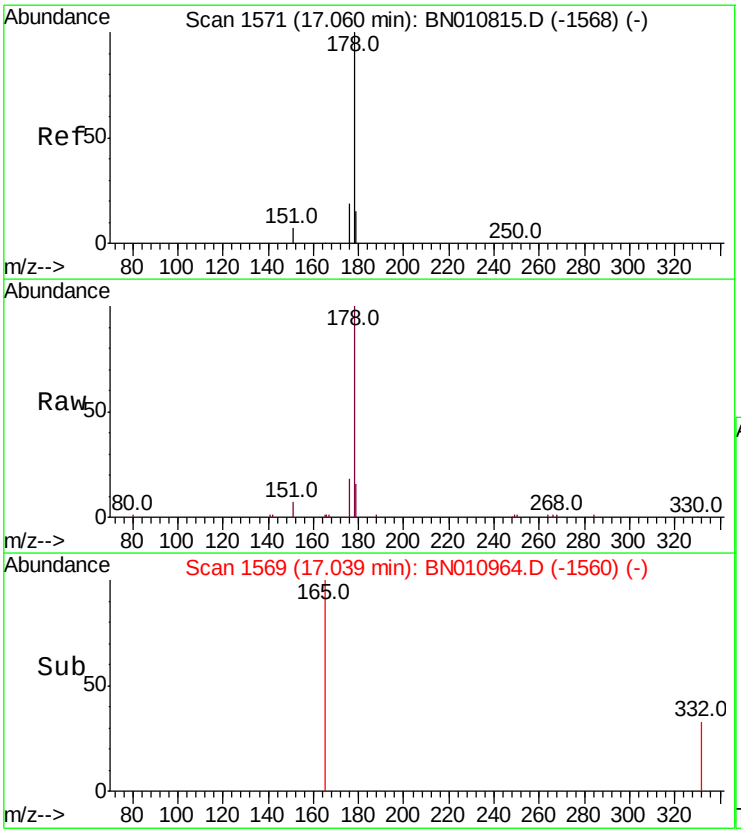
#23
Phenanthrene
Concen: 0.425 ng
RT: 16.94 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 17249

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.2	12.6	19.0

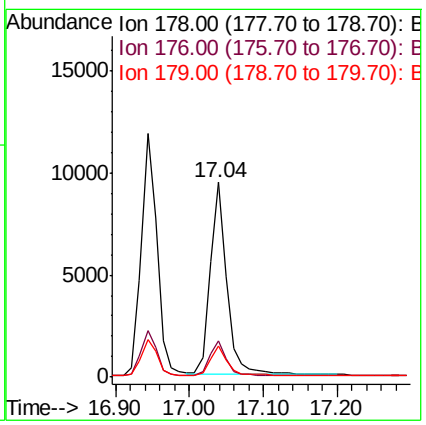


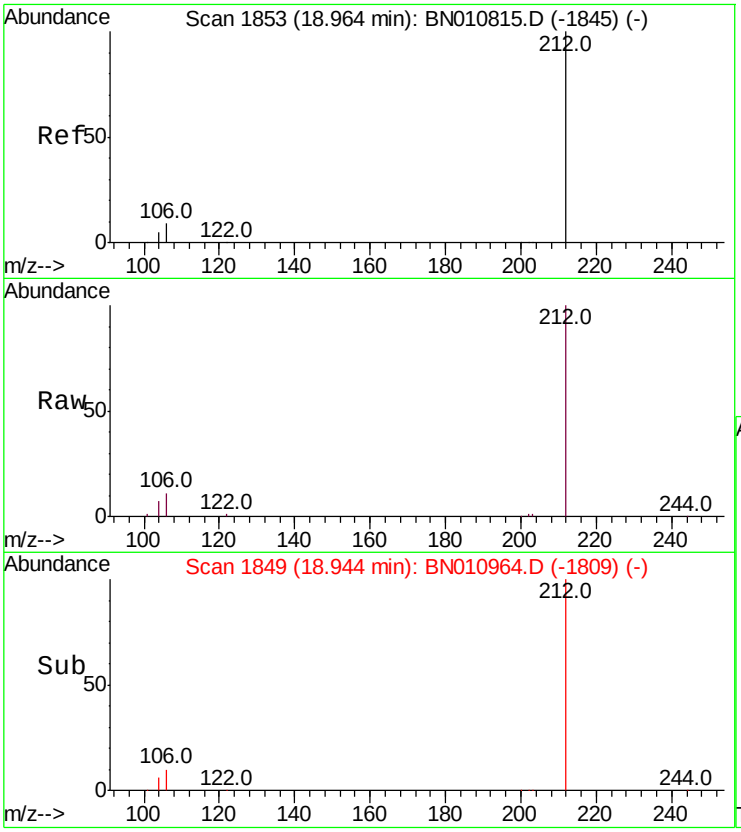


#24
Anthracene
Concen: 0.440 ng
RT: 17.04 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:178 Resp: 14919

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.6	12.3	18.5



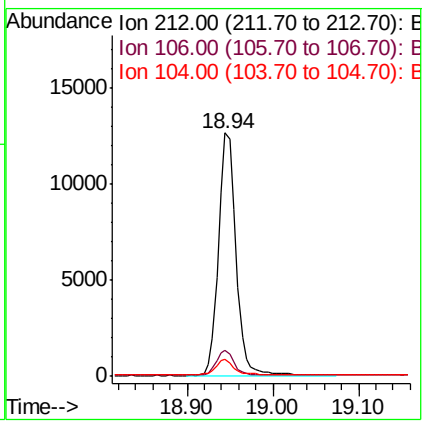


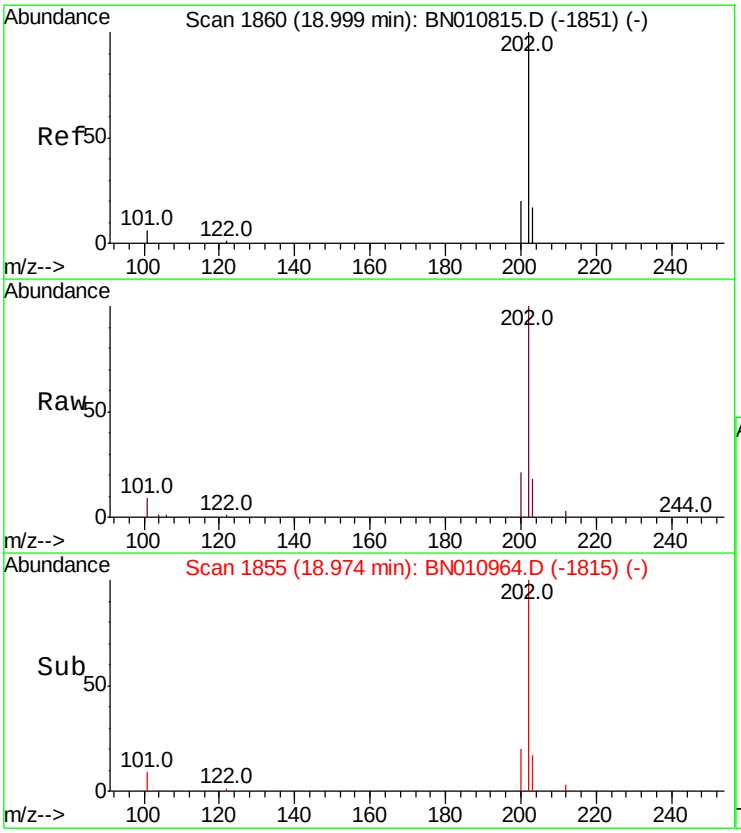
#25
Fluoranthene-d10
Concen: 0.437 ng
RT: 18.94 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 17944

Ion	Ratio	Lower	Upper
212	100		
106	9.9	6.6	10.0
104	6.1	4.0	6.0#

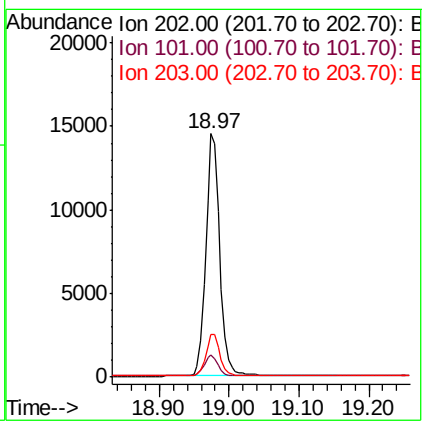


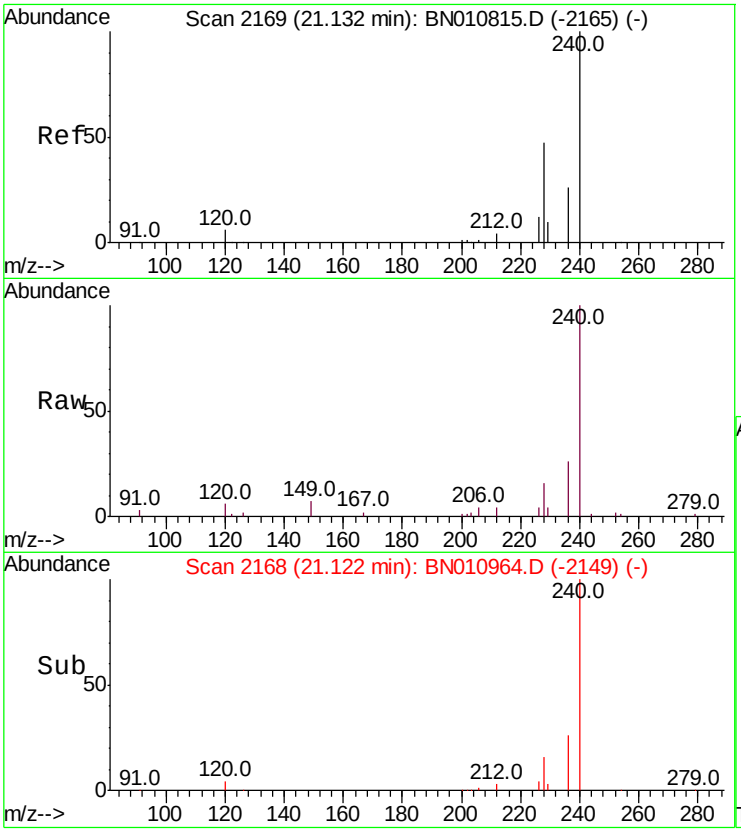


#26
Fluoranthene
Concen: 0.435 ng
RT: 18.97 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:202 Resp: 20069

Ion	Ratio	Lower	Upper
202	100		
101	8.8	5.8	8.6#
203	17.1	13.7	20.5



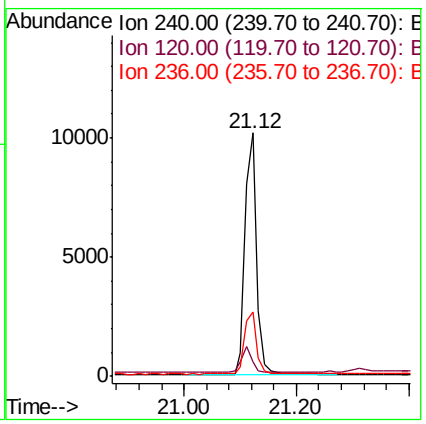


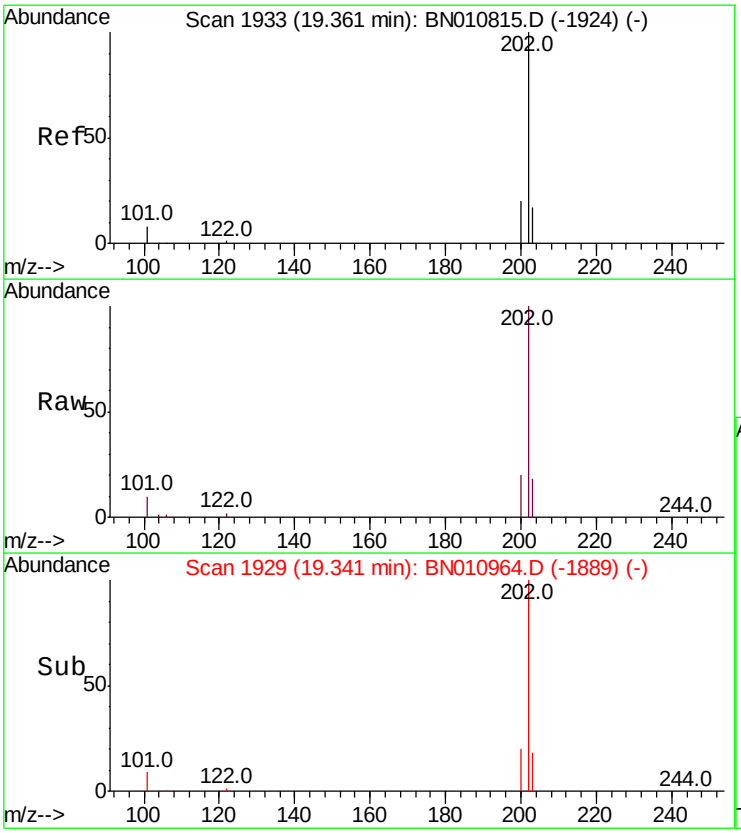
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 14648

Ion	Ratio	Lower	Upper
240	100		
120	6.0	7.5	11.3#
236	26.4	22.3	33.5

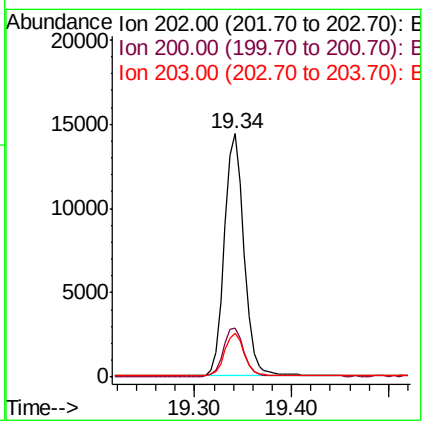


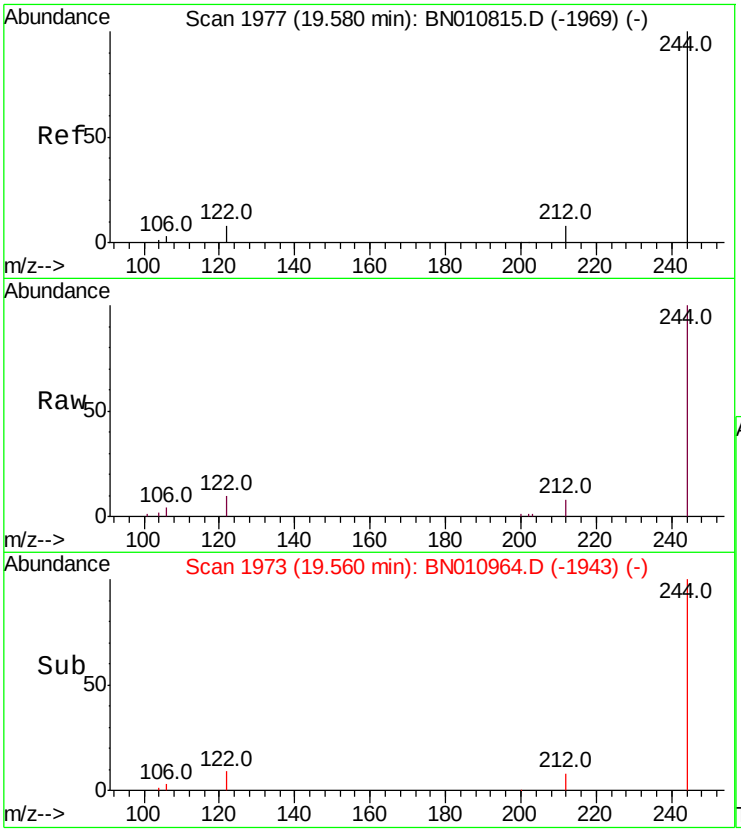


#28
Pyrene
Concen: 0.420 ng
RT: 19.34 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:202 Resp: 20350

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	17.8	14.2	21.4



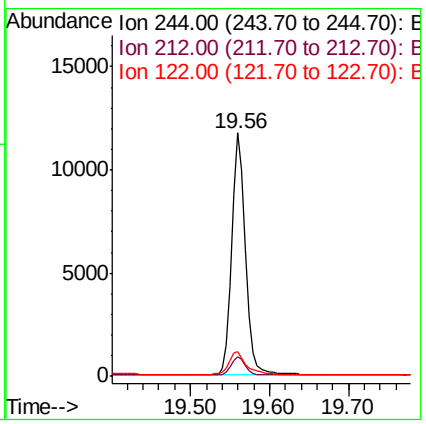


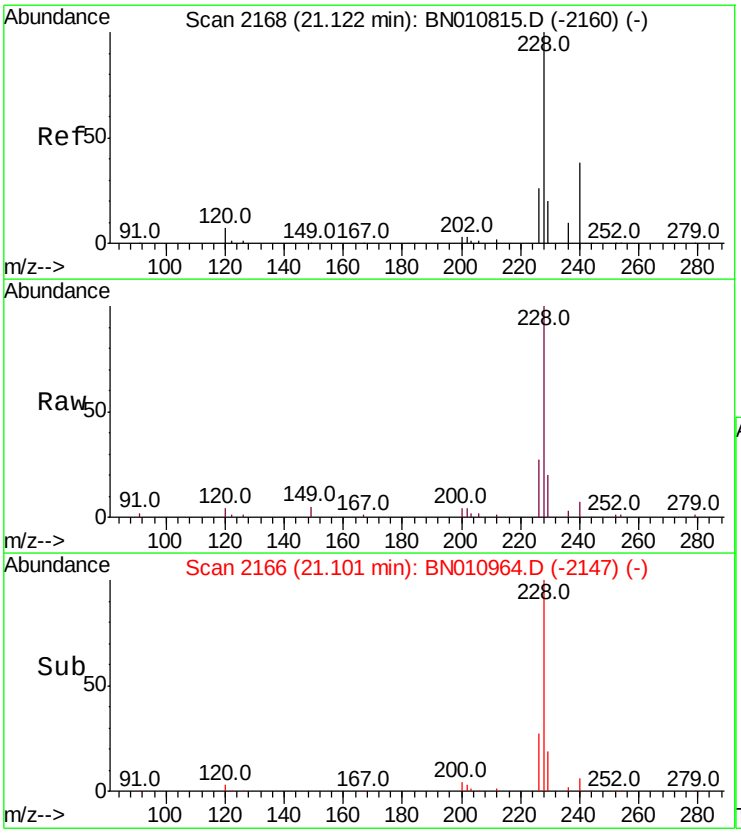
#29
Terphenyl-d14
Concen: 0.421 ng
RT: 19.56 min Scan# 1973
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 14442

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.4	11.2
122	10.0	7.5	11.3

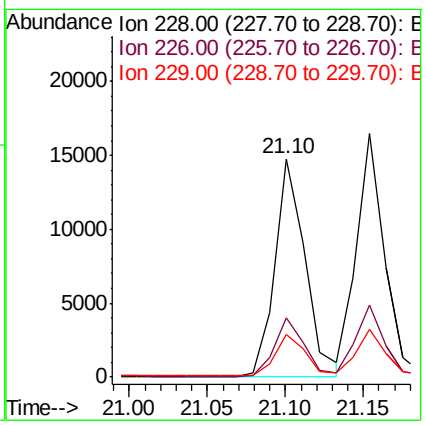


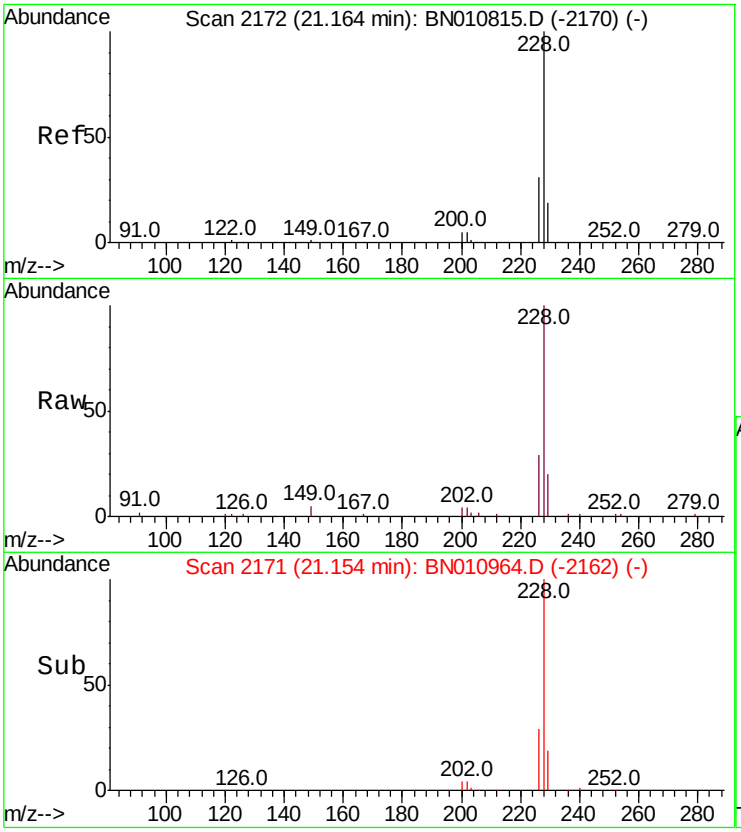


#30
Benzo(a)anthracene
Concen: 0.457 ng
RT: 21.10 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:228 Resp: 19668

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.3	31.9
229	19.8	16.6	24.8



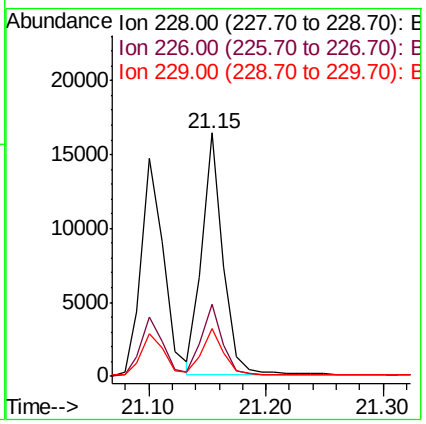


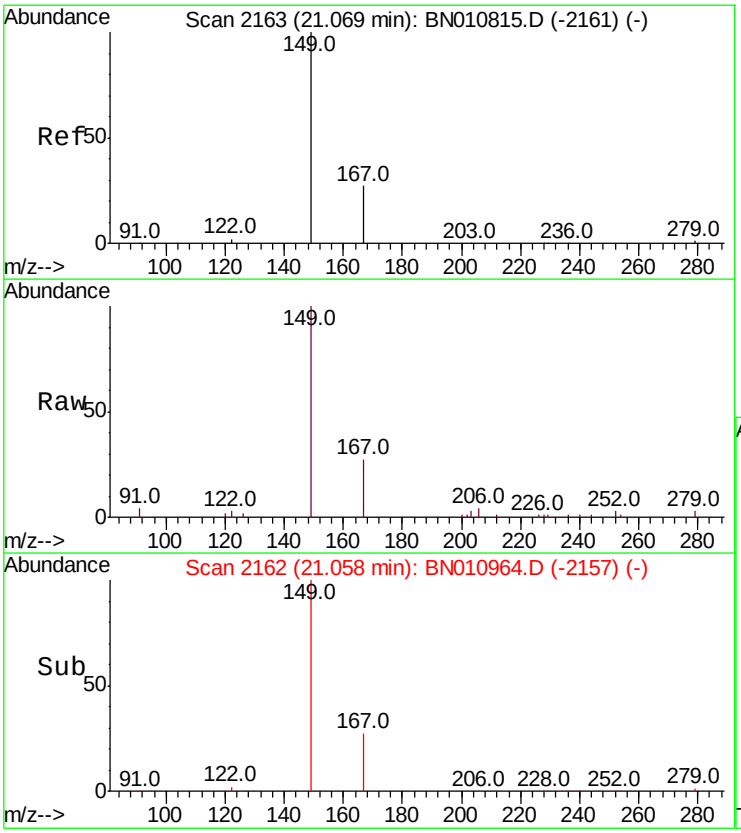
#31
Chrysene
Concen: 0.407 ng
RT: 21.15 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 20405

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	19.7	16.1	24.1

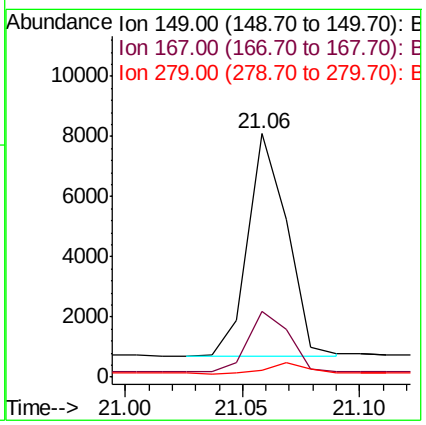


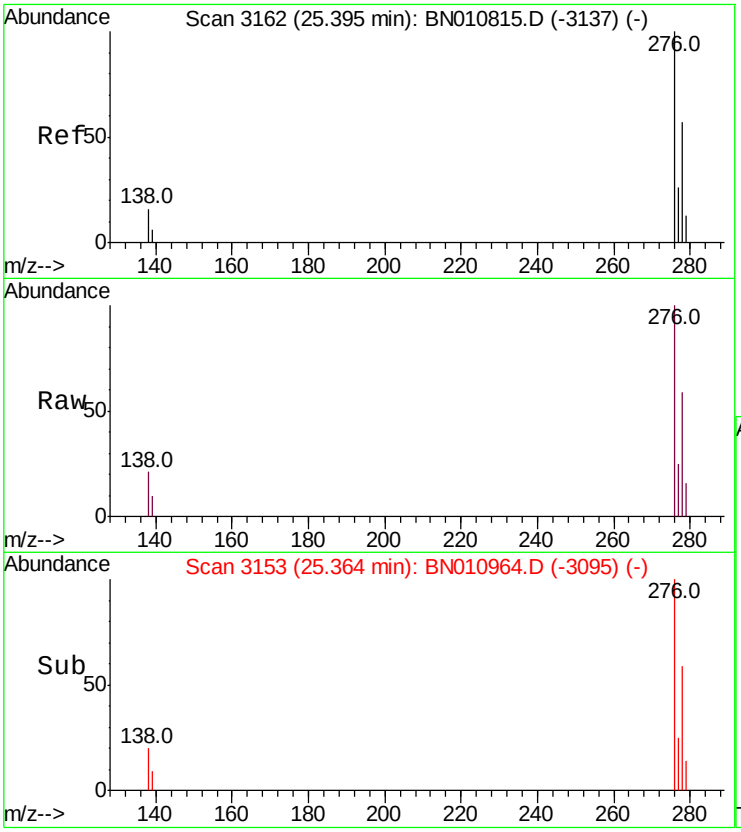


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.602 ng
RT: 21.06 min Scan# 2162
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:149 Resp: 8644

Ion	Ratio	Lower	Upper
149	100		
167	28.1	24.1	36.1
279	4.7	4.6	7.0



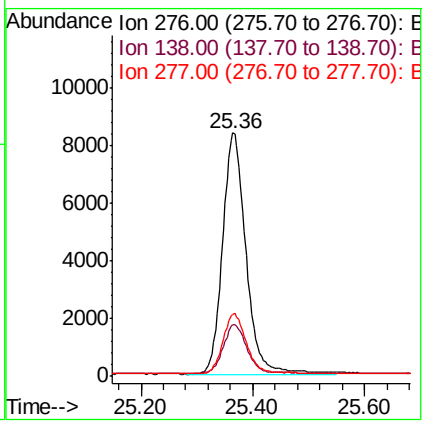


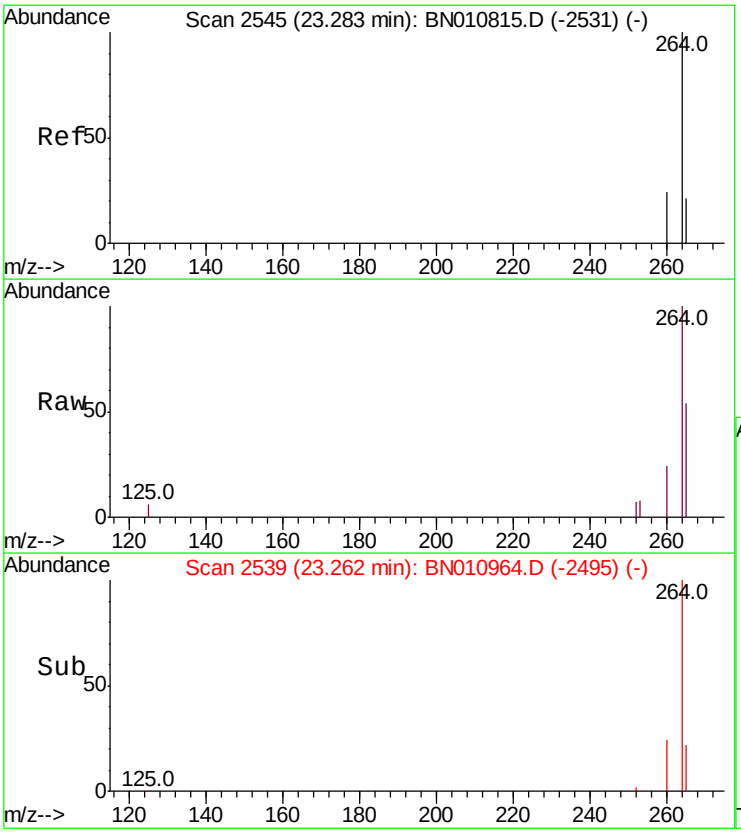
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.434 ng
RT: 25.36 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 24356

Ion	Ratio	Lower	Upper
276	100		
138	20.7	13.0	19.6#
277	24.6	19.7	29.5

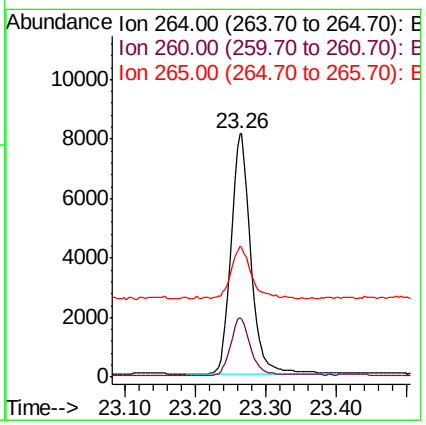


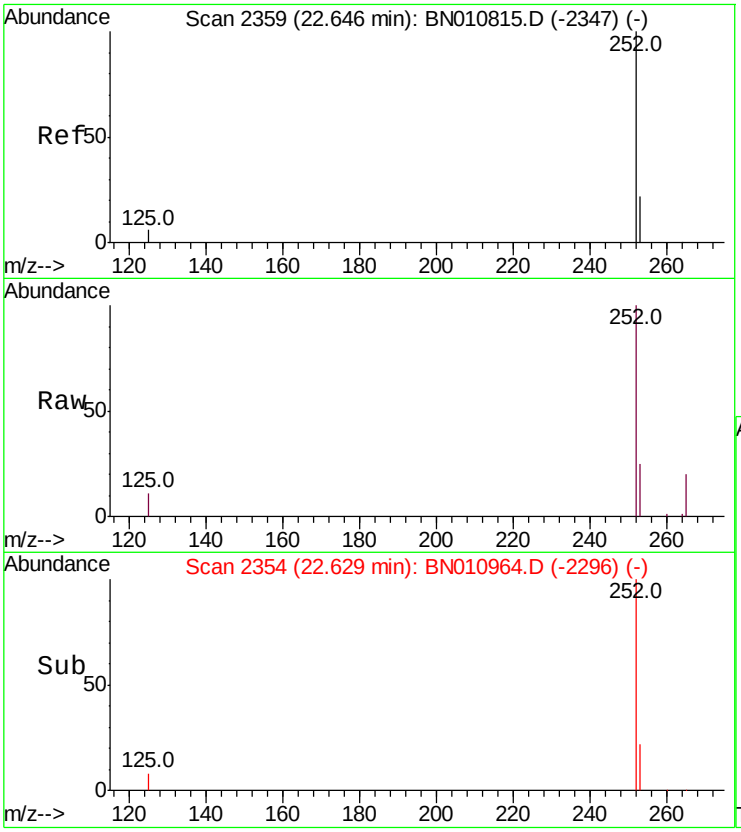


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.26 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:264 Resp: 15836

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.4	30.6
265	53.9	75.0	112.4#



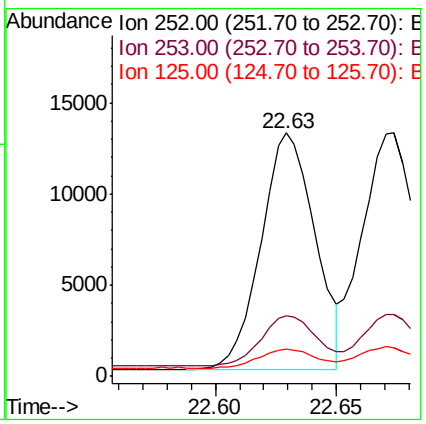


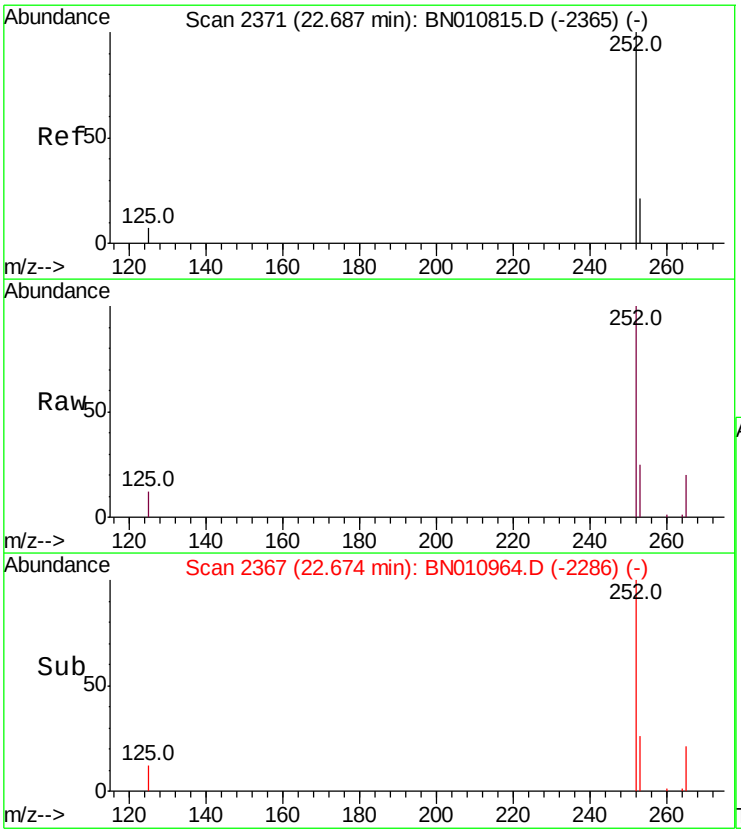
#35
Benzo(b)fluoranthene
Concen: 0.374 ng
RT: 22.63 min Scan# 2354
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 20143

Ion	Ratio	Lower	Upper
252	100		
253	25.1	22.4	33.6
125	11.3	9.4	14.0

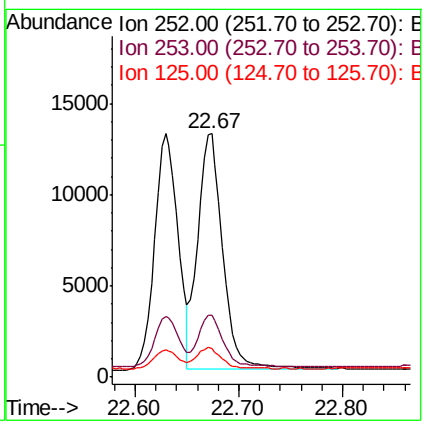


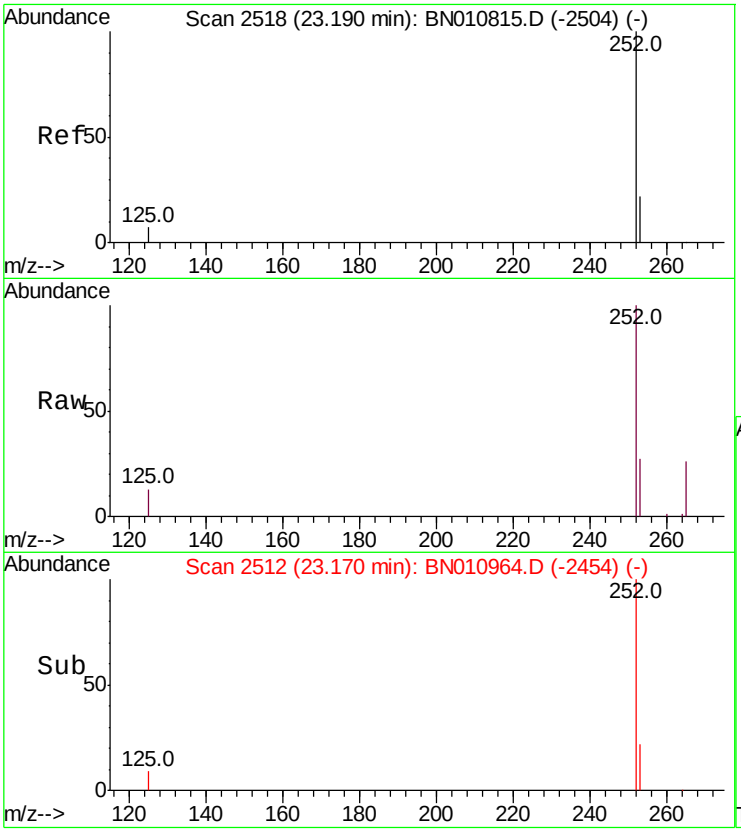


#36
Benzo(k)fluoranthene
Concen: 0.375 ng
RT: 22.67 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:252 Resp: 21491

Ion	Ratio	Lower	Upper
252	100		
253	25.5	22.2	33.4
125	11.6	9.8	14.8



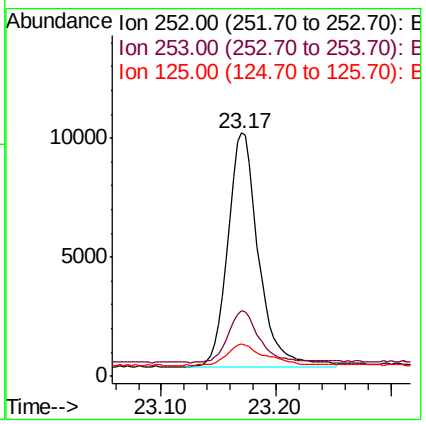


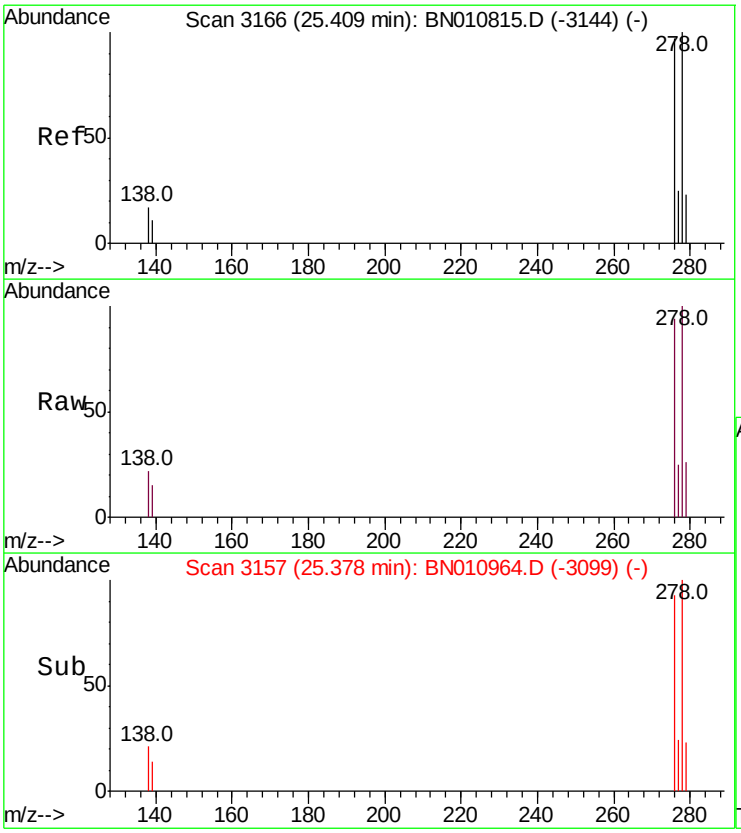
#37
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.17 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 18393

Ion	Ratio	Lower	Upper
252	100		
253	26.9	25.8	38.8
125	13.2	12.4	18.6

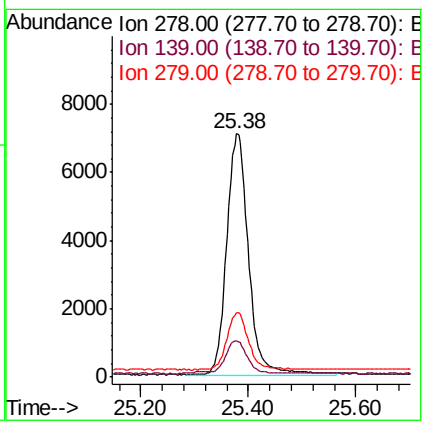


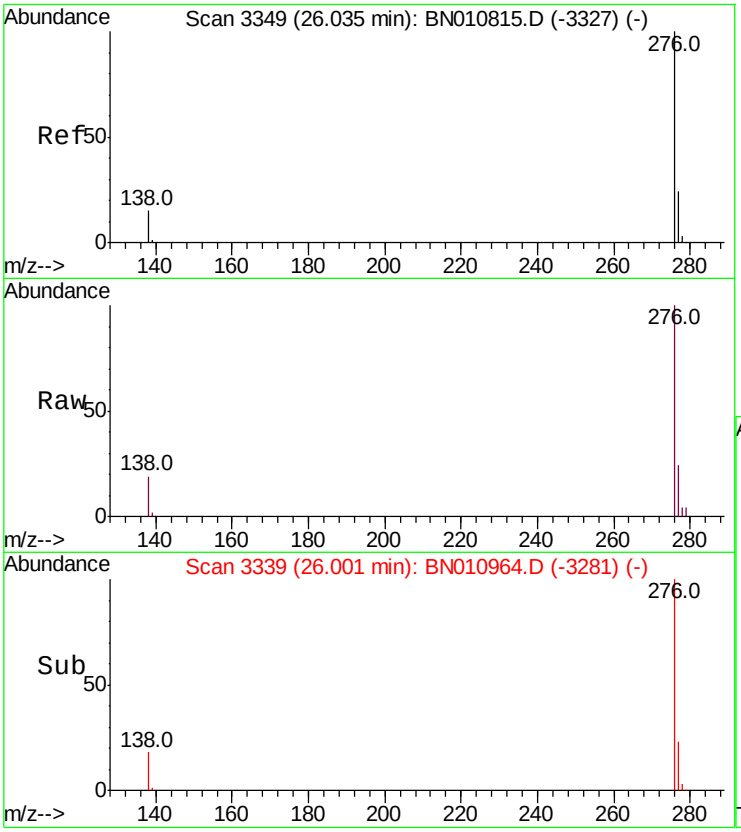


#38
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 25.38 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Tgt Ion:278 Resp: 19914

Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.6	15.8
279	26.2	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.367 ng
RT: 26.00 min Scan# 3339
Delta R.T. 0.00 min
Lab File: BN010964.D
Acq: 19 Jun 2020 11:37

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 20205

Ion	Ratio	Lower	Upper
276	100		
277	24.2	20.5	30.7
138	19.0	13.7	20.5