Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052120\
Data File : BN010731.D
Acq On : 21 May 2020 16:21
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: May 21 16:56:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 16:54:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3142	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	12304	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	7455	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	15459	0.40	ng		0.00
27) Chrysene-d12	21.15	240	12584	0.40	ng		0.00
34) Perylene-d12	23.32	264	11783	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2451	0.40	ng		0.00
5) Phenol-d6	6.77	99	2925	0.39	ng		0.00
8) Nitrobenzene-d5	8.71	82	3303	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	7805	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	948	0.35	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	10849	0.40	ng		0.00
25) Fluoranthene-d10	18.98	212	16141	0.38	ng		0.00
29) Terphenyl-d14	19.60	244	12054	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	1098	0.41	ng		99
3) n-Nitrosodimethylamine	3.58	42	598	0.38	ng	#	99
6) bis(2-Chloroethyl)ether	7.02	93	3013	0.39	ng		95
9) Naphthalene	10.38	128	12170	0.39	ng		100
10) Hexachlorobutadiene	10.67	225	2767	0.39	ng	#	99
12) 2-Methylnaphthalene	12.00	142	8535	0.39	ng		99
16) Acenaphthylene	13.91	152	11181	0.37	ng		100
17) Acenaphthene	14.26	154	8124	0.39	ng		99
18) Fluorene	15.26	166	10401	0.39	ng		99
20) 4-Bromophenyl-phenylether	16.16	248	3300	0.39	ng		91
21) Hexachlorobenzene	16.26	284	4077	0.40	ng		100
22) Pentachlorophenol	16.61	266	1272	0.40	ng		98
23) Phenanthrene	16.99	178	16138	0.39	ng		100
24) Anthracene	17.08	178	12893	0.37	ng		99
26) Fluoranthene	19.01	202	17996	0.38	ng		99
28) Pyrene	19.38	202	18051	0.40	ng		100
30) Benzo(a)anthracene	21.14	228	13981	0.38	ng		99
31) Chrysene	21.19	228	16836	0.41	ng		99
32) Bis(2-ethylhexyl)phthalate	21.09	149	6062	0.38	ng		98
33) Indeno(1,2,3-cd)pyrene	25.46	276	13727	0.37	ng		98
35) Benzo(b)fluoranthene	22.68	252	14845	0.38	ng		99
36) Benzo(k)fluoranthene	22.72	252	17241	0.41	ng		100
37) Benzo(a)pyrene	23.22	252	13079	0.39	ng		99
38) Dibenzo(a,h)anthracene	25.47	278	10614	0.37	ng		98
39) Benzo(g,h,i)perylene	26.10	276	12830	0.38	ng		100

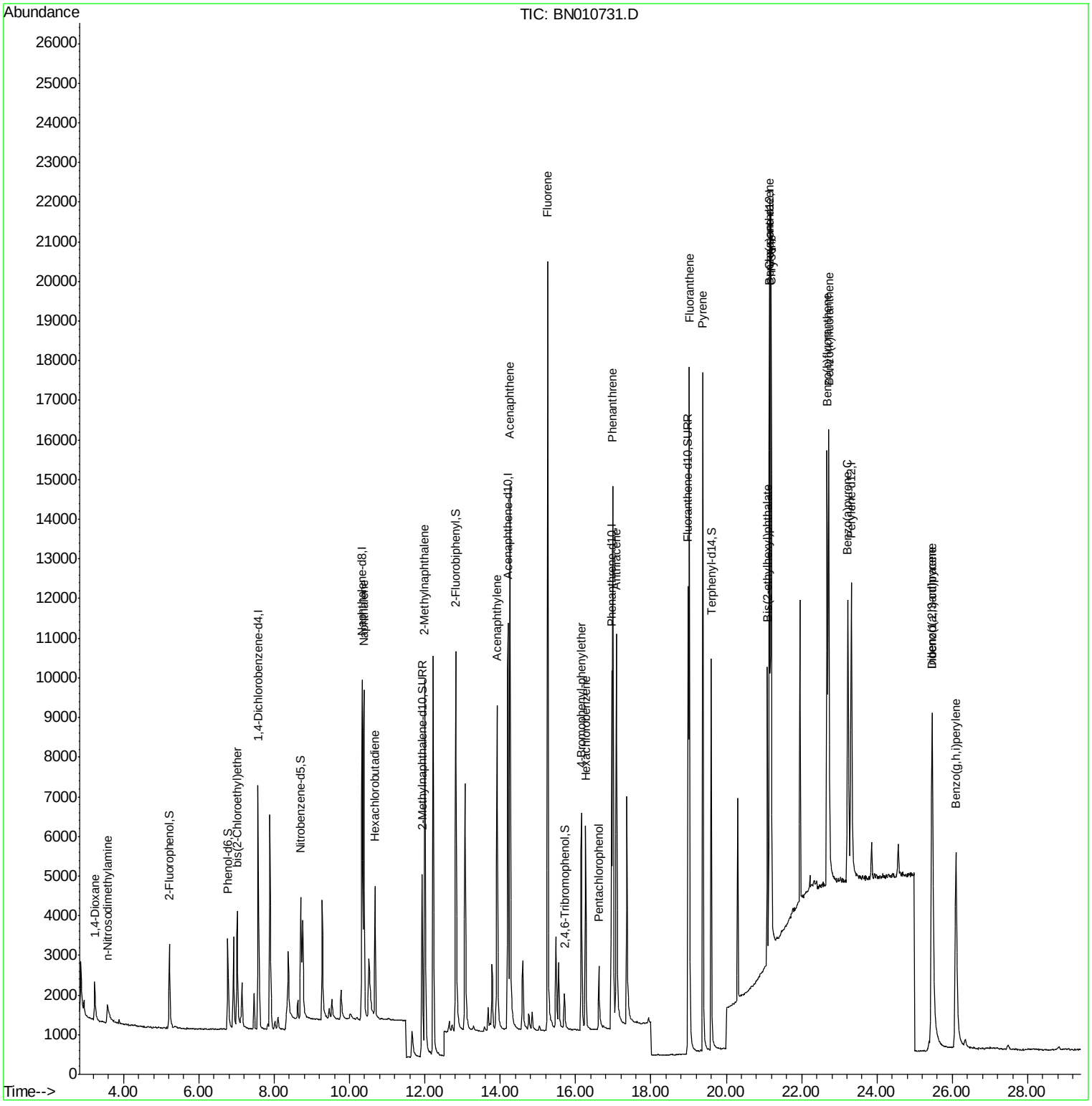
(#) = qualifier out of range (m) = manual integration (+) = signals summed

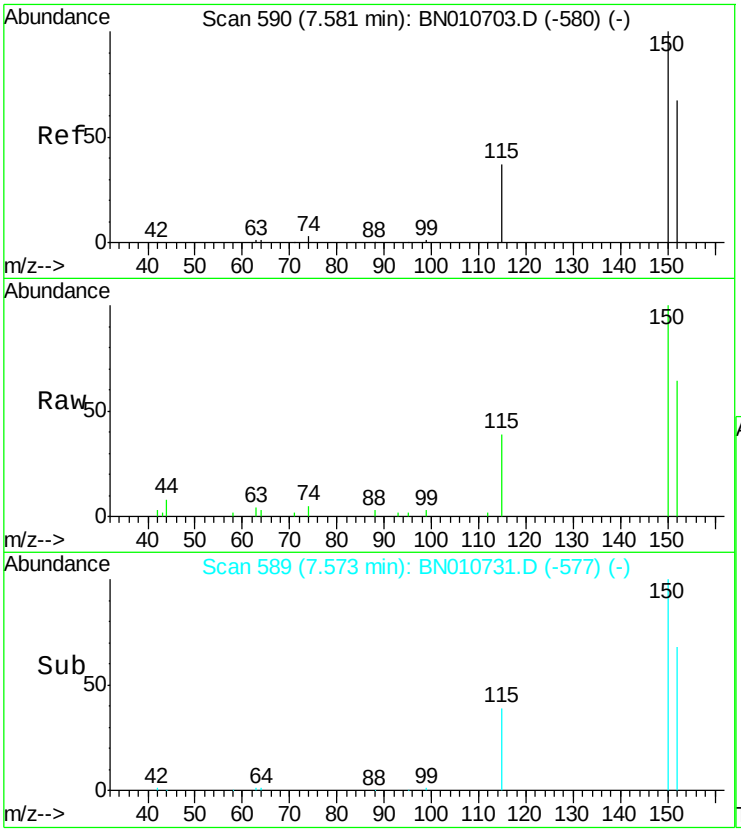
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052120\
Data File : BN010731.D
Acq On : 21 May 2020 16:21
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: May 21 16:56:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 16:54:53 2020
Response via : Initial Calibration



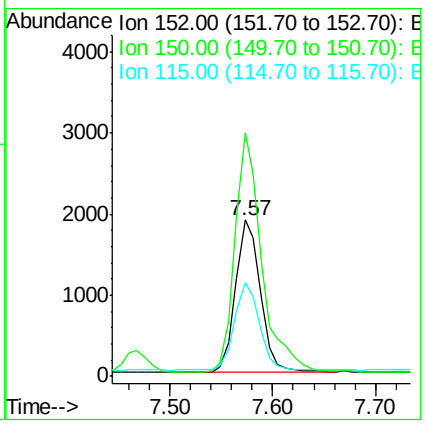


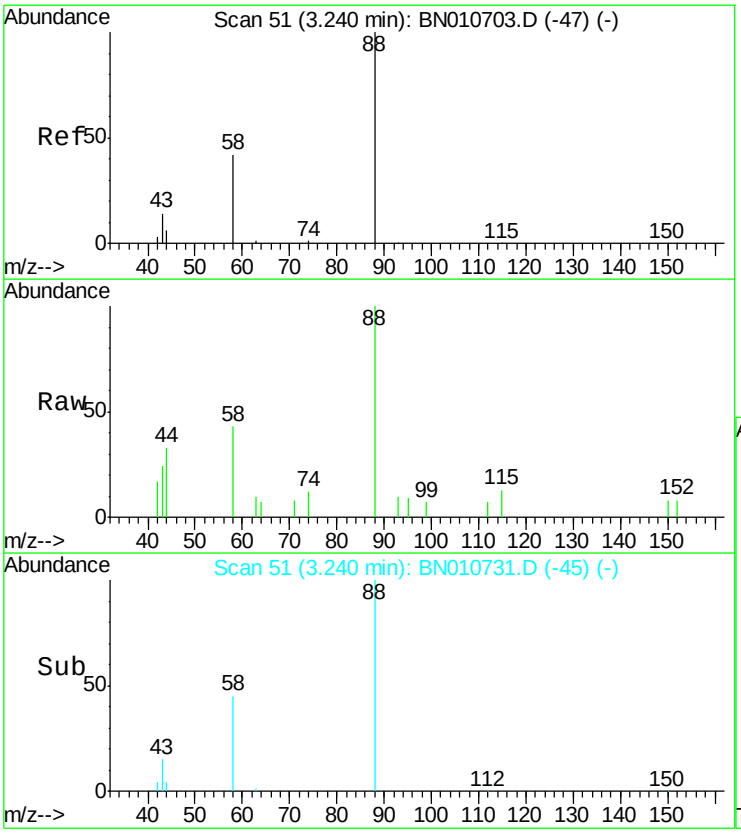
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.57 min Scan# 589
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3142

Ion	Ratio	Lower	Upper
152	100		
150	156.1	119.4	179.0
115	60.3	45.9	68.9

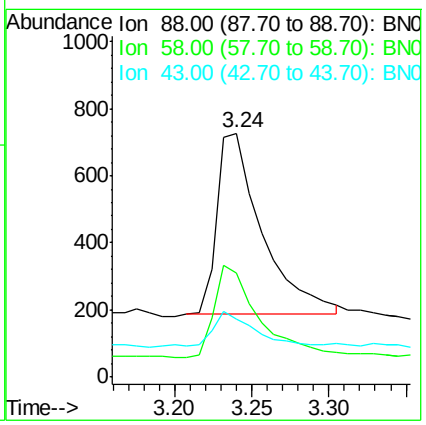


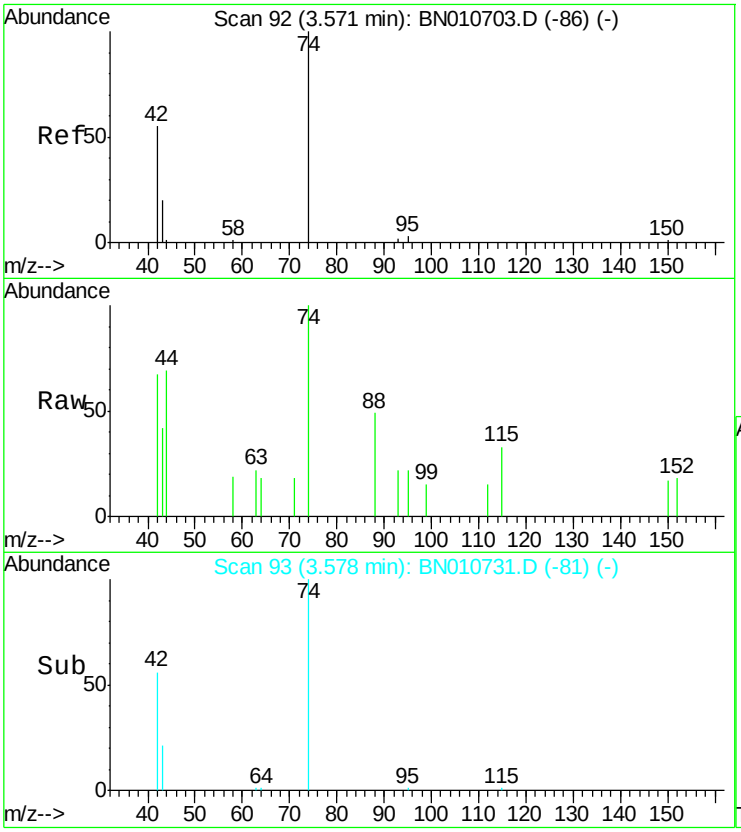


#2
1,4-Dioxane
Concen: 0.41 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion: 88 Resp: 1098

Ion	Ratio	Lower	Upper
88	100		
58	50.0	39.0	58.6
43	16.1	13.1	19.7



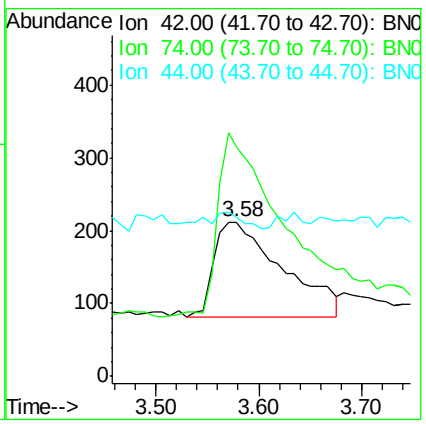


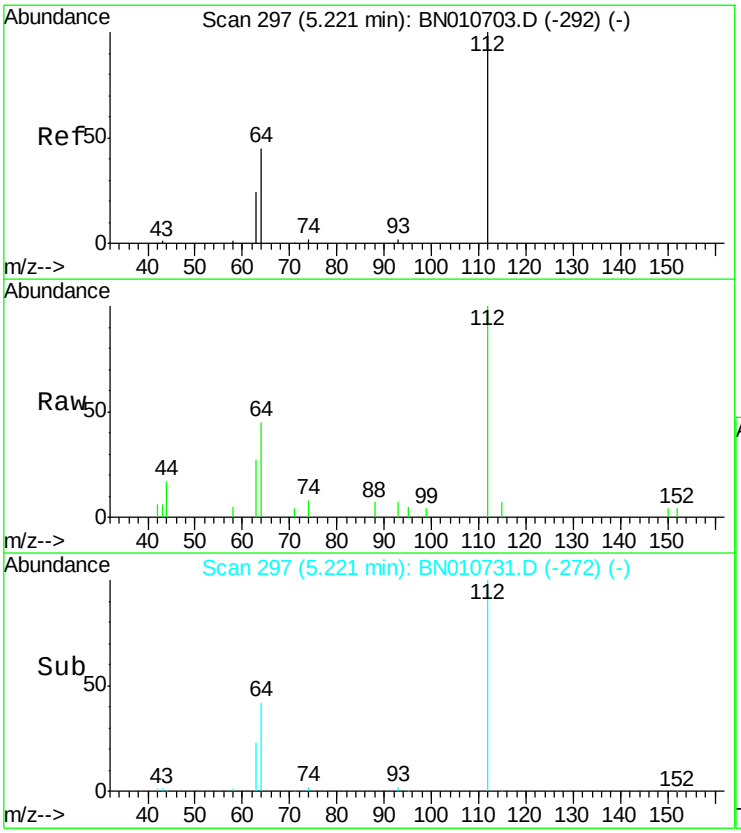
#3
n-Nitrosodimethylamine
Concen: 0.38 ng
RT: 3.58 min Scan# 93
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 598

Ion	Ratio	Lower	Upper
42	100		
74	183.4	146.2	219.2
44	9.7	3.0	4.4#

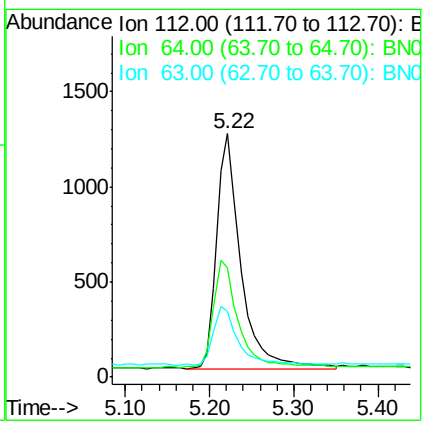


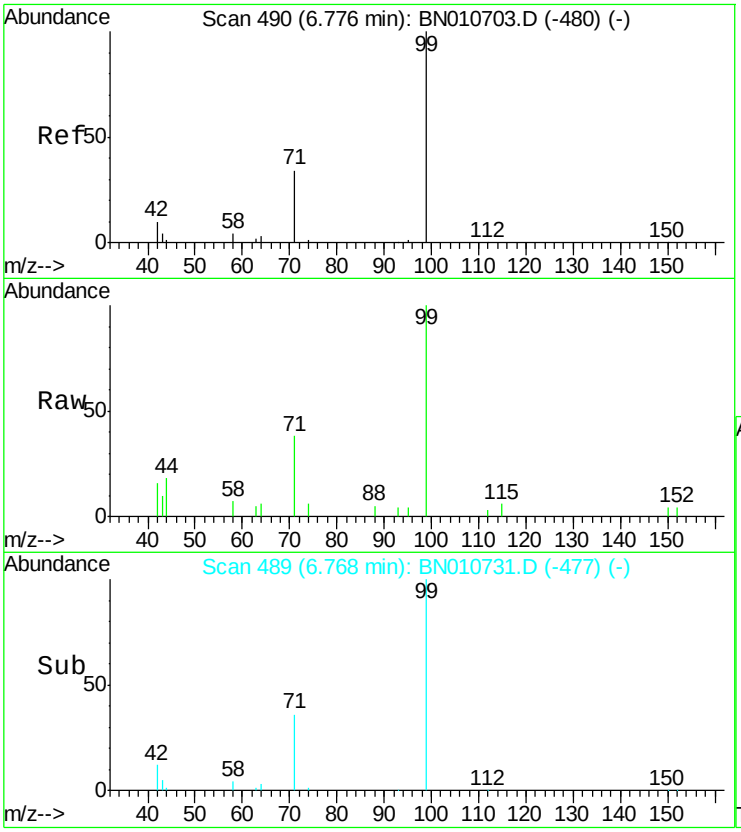


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:112 Resp: 2451

Ion	Ratio	Lower	Upper
112	100		
64	47.0	36.2	54.4
63	25.4	19.8	29.8



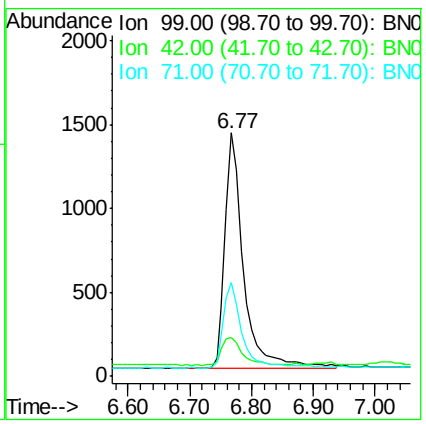


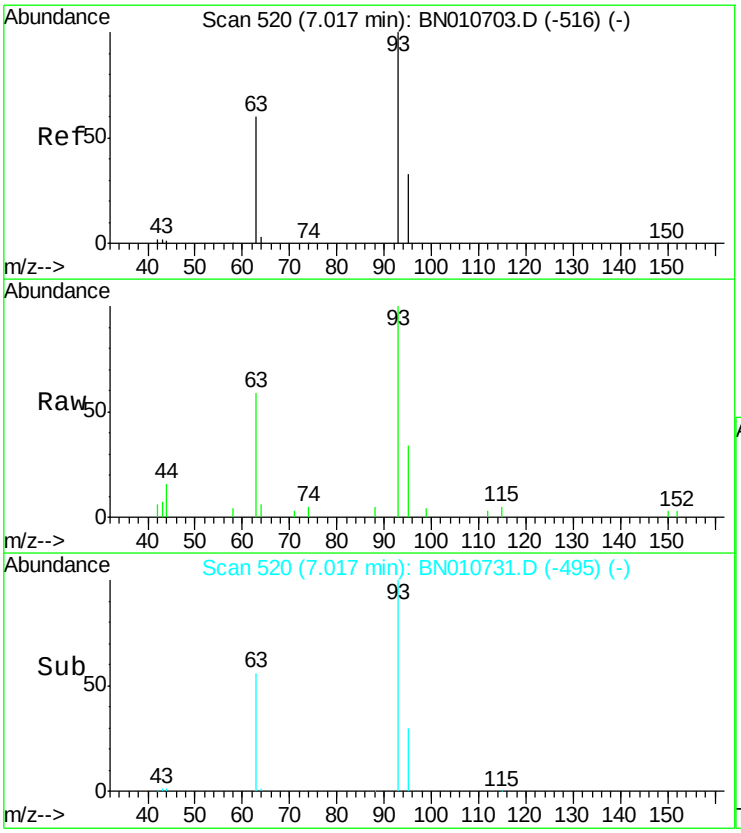
#5
Phenol-d6
Concen: 0.39 ng
RT: 6.77 min Scan# 489
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2925

Ion	Ratio	Lower	Upper
99	100		
42	12.9	9.8	14.8
71	36.8	28.6	42.8

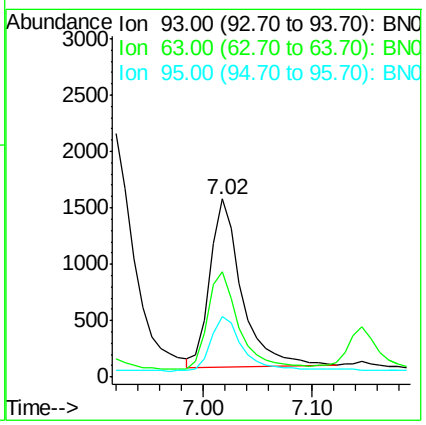


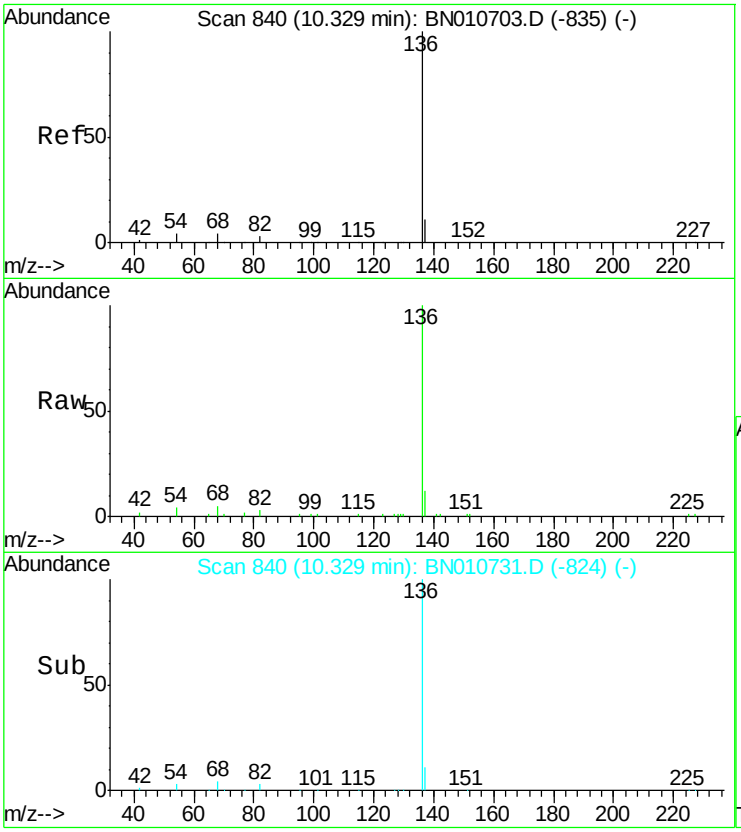


#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.02 min Scan# 520
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion: 93 Resp: 3013

Ion	Ratio	Lower	Upper
93	100		
63	57.7	43.1	64.7
95	33.1	24.6	37.0



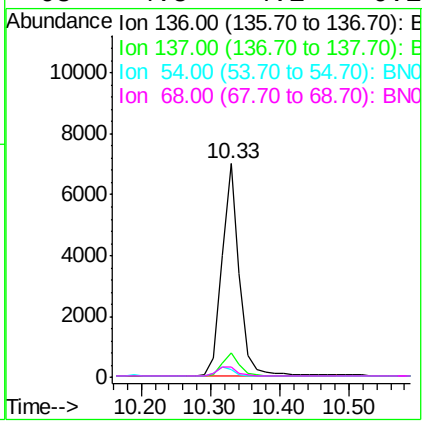


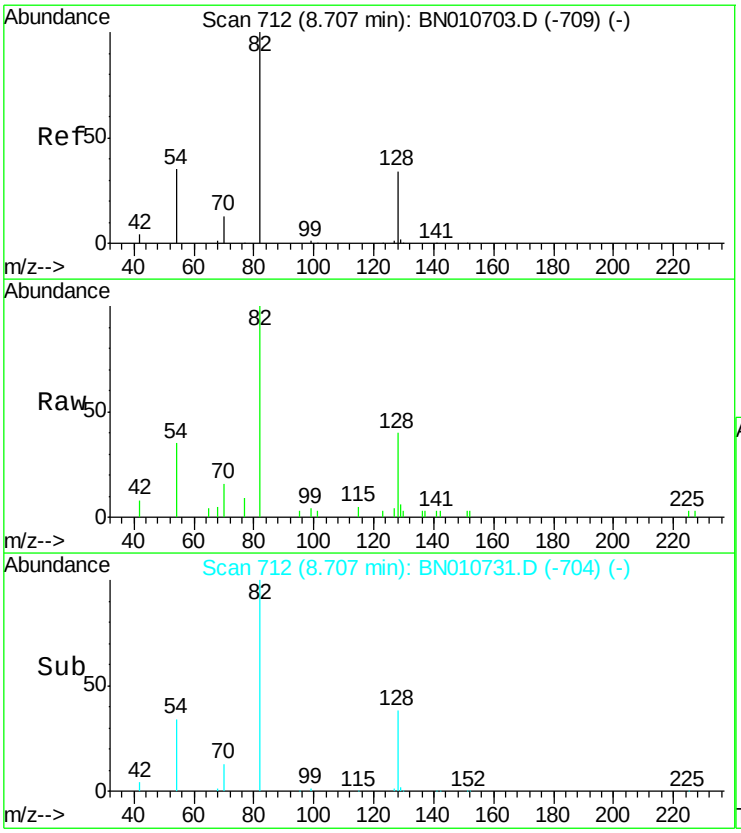
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 12304

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	3.8	3.6	5.4
68	4.5	4.1	6.1

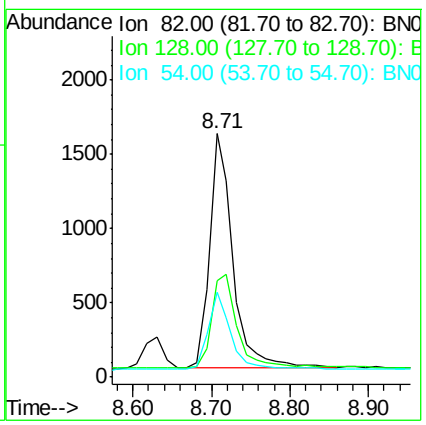


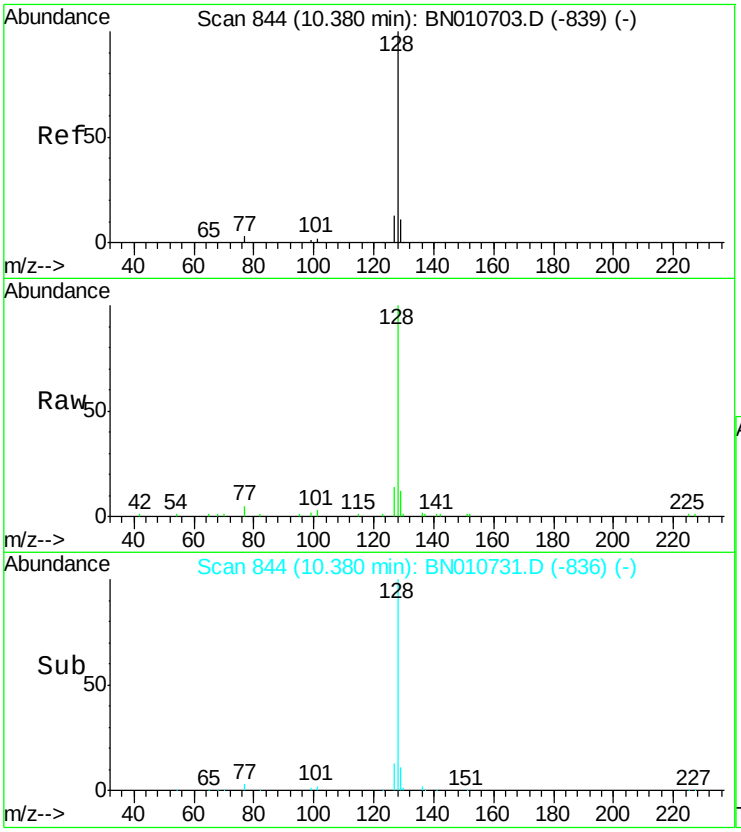


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.71 min Scan# 712
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion: 82 Resp: 3303

Ion	Ratio	Lower	Upper
82	100		
128	39.7	29.0	43.4
54	35.0	29.3	43.9



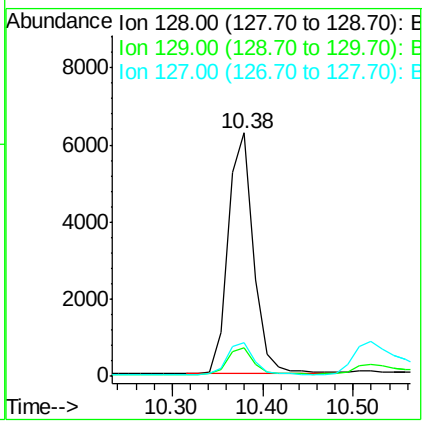


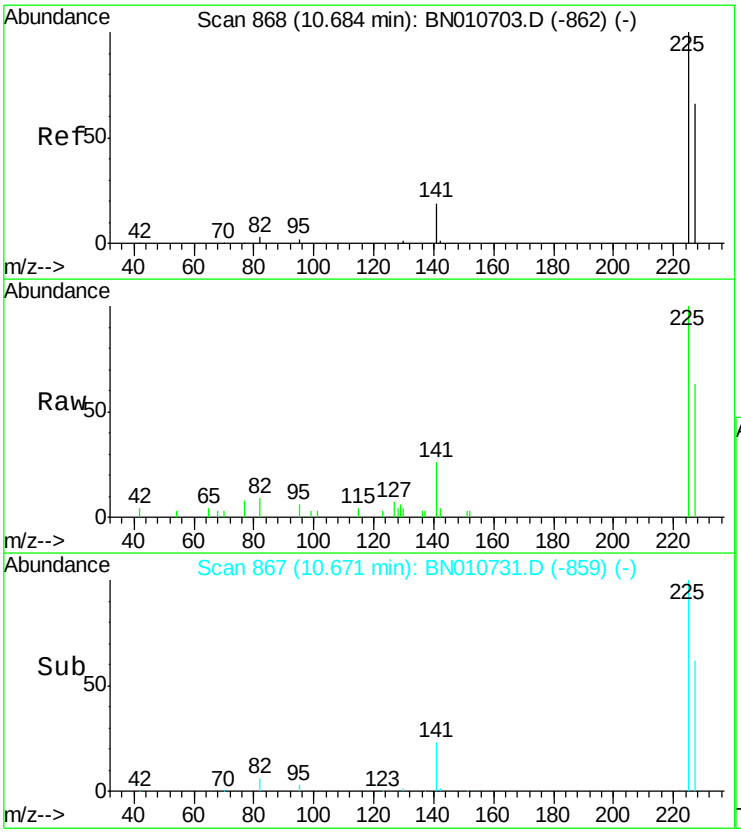
#9
Naphthalene
Concen: 0.39 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 12170

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	13.9	11.0	16.6

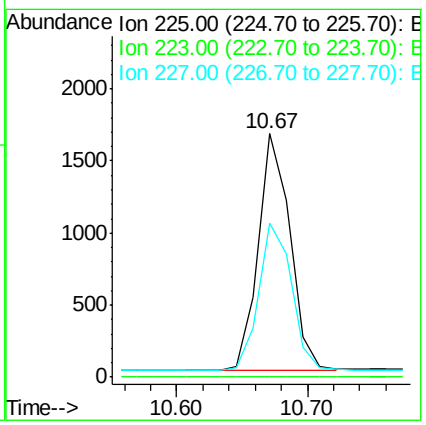


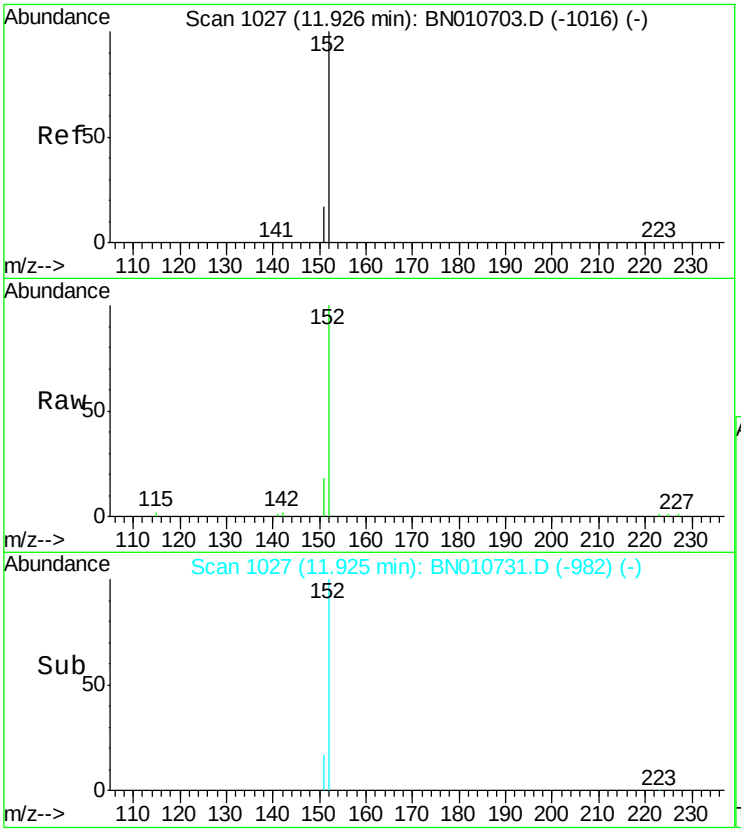


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 10.67 min Scan# 867
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:225 Resp: 2767

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	50.7	76.1



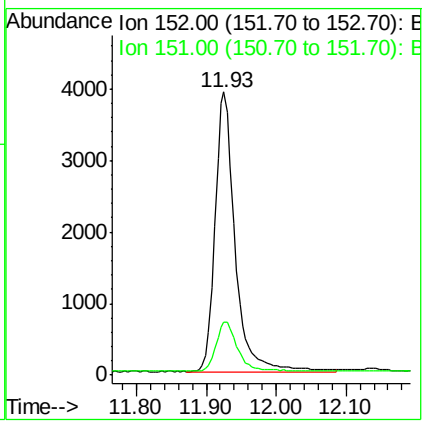


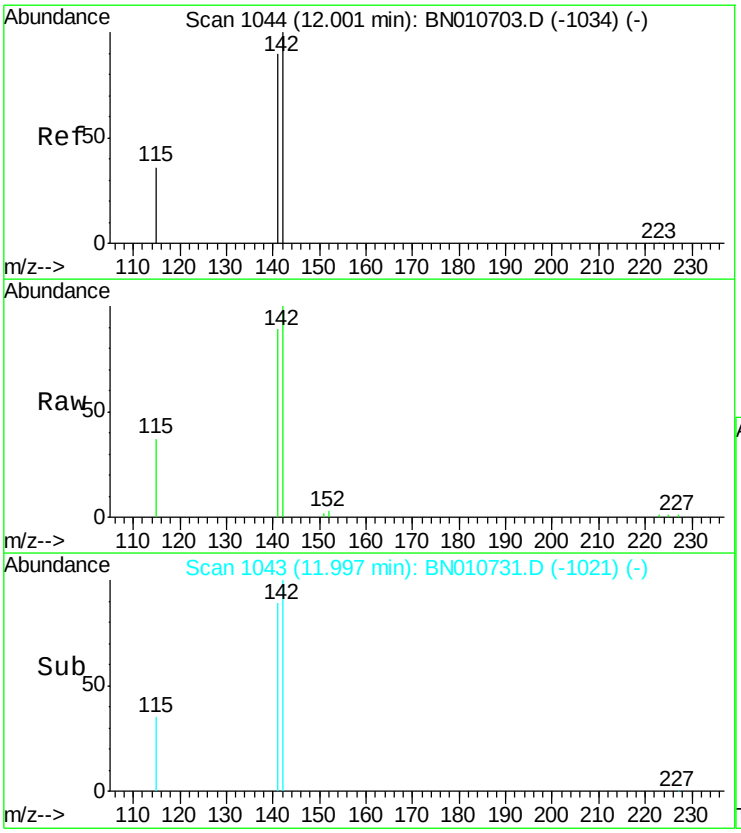
#11
2-Methylnaphthalene-d10
Concen: 0.39 ng
RT: 11.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7805

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.0	22.6

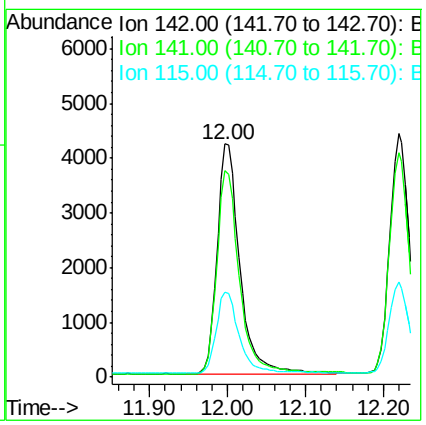


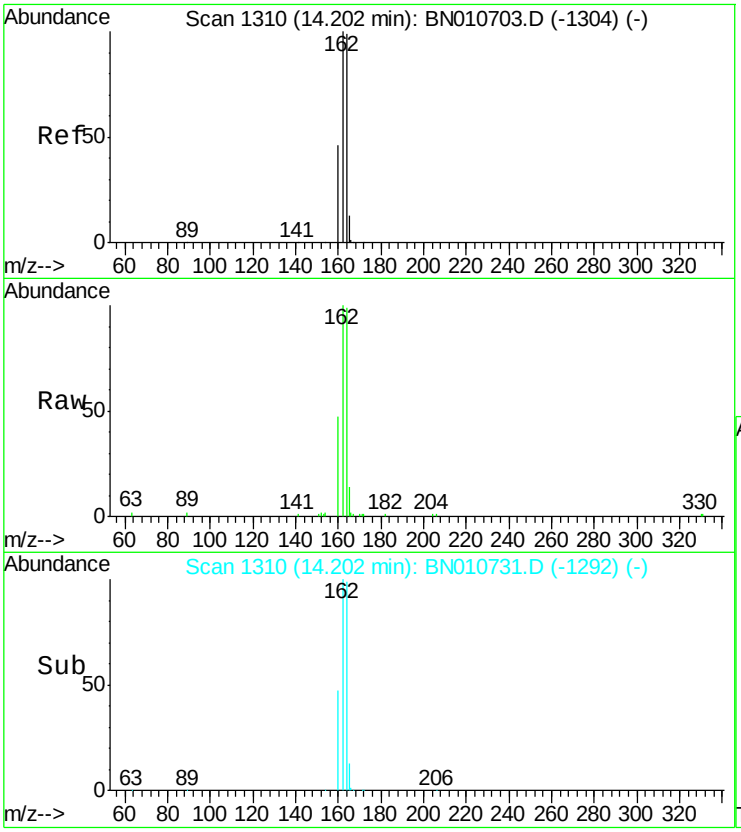


#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.00 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:142 Resp: 8535

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	36.6	29.8	44.6



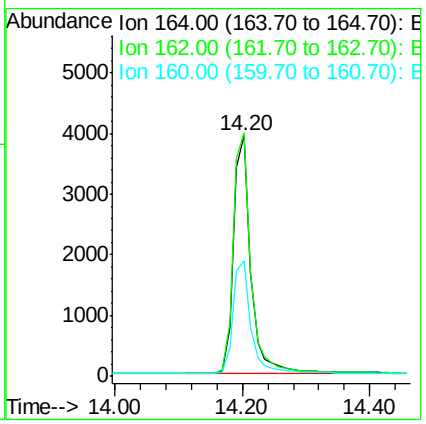


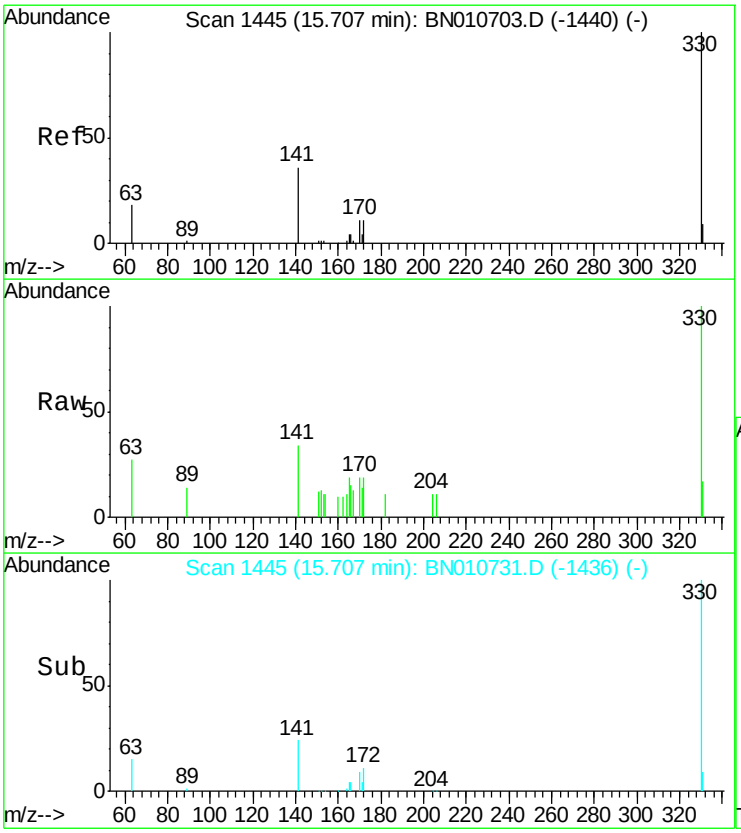
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7455

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.1	121.7
160	48.0	37.9	56.9

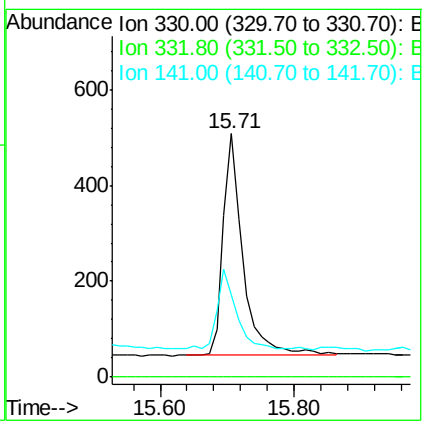


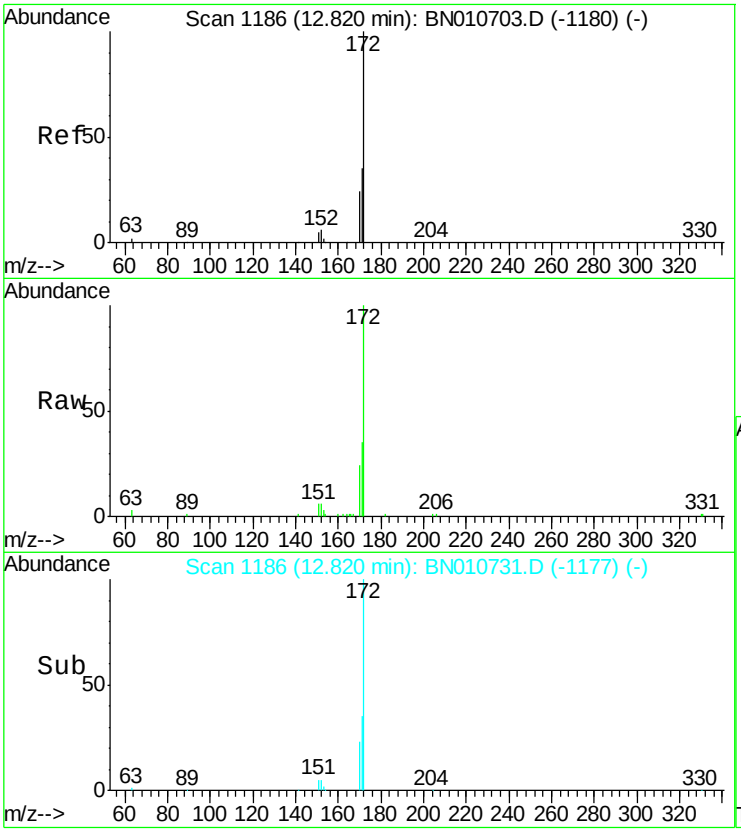


#14
2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 15.71 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:330 Resp: 948

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.9	28.8	43.2



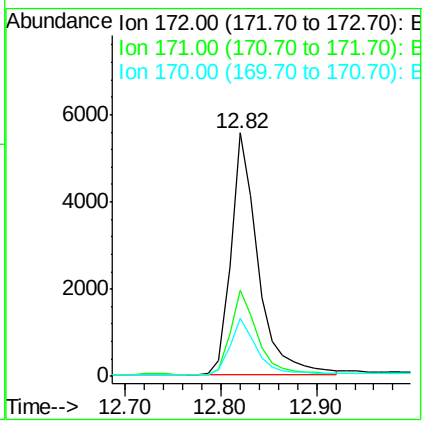


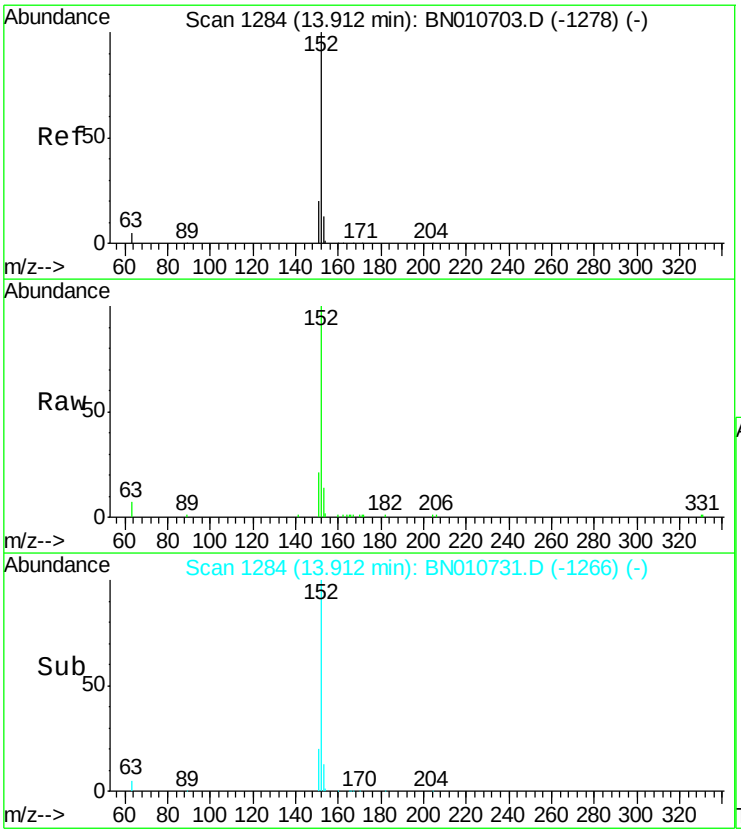
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 10849

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.9	19.8	29.8

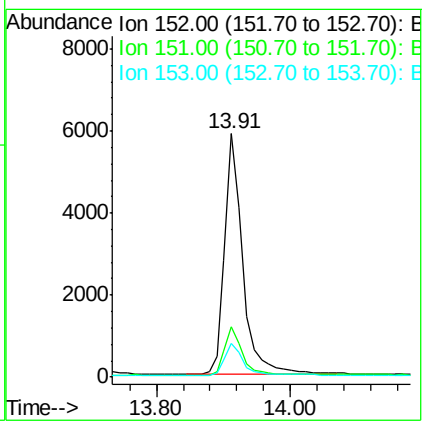


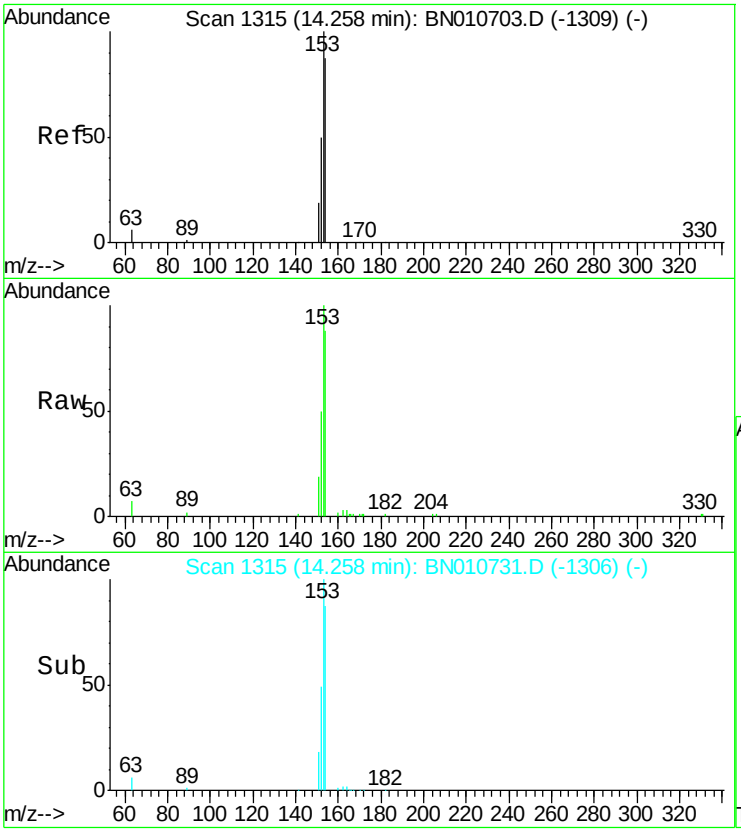


#16
Acenaphthylene
Concen: 0.37 ng
RT: 13.91 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:152 Resp: 11181

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.2	10.4	15.6



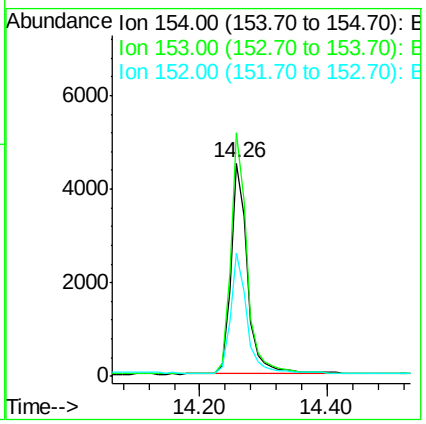


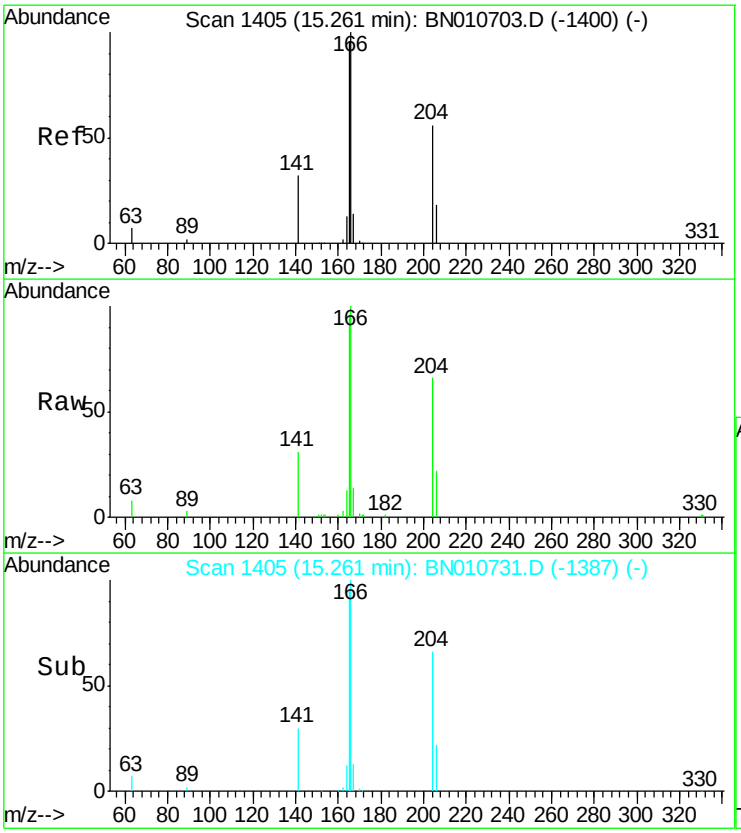
#17
Acenaphthene
Concen: 0.39 ng
RT: 14.26 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 8124

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.5	137.3
152	56.3	45.6	68.4

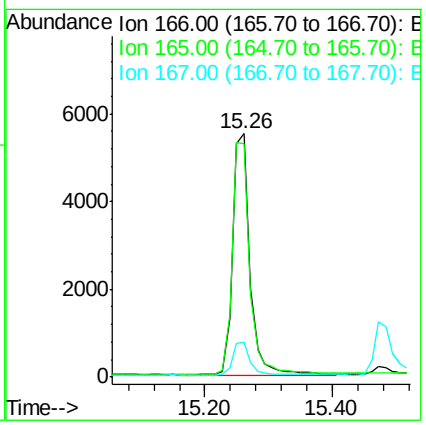


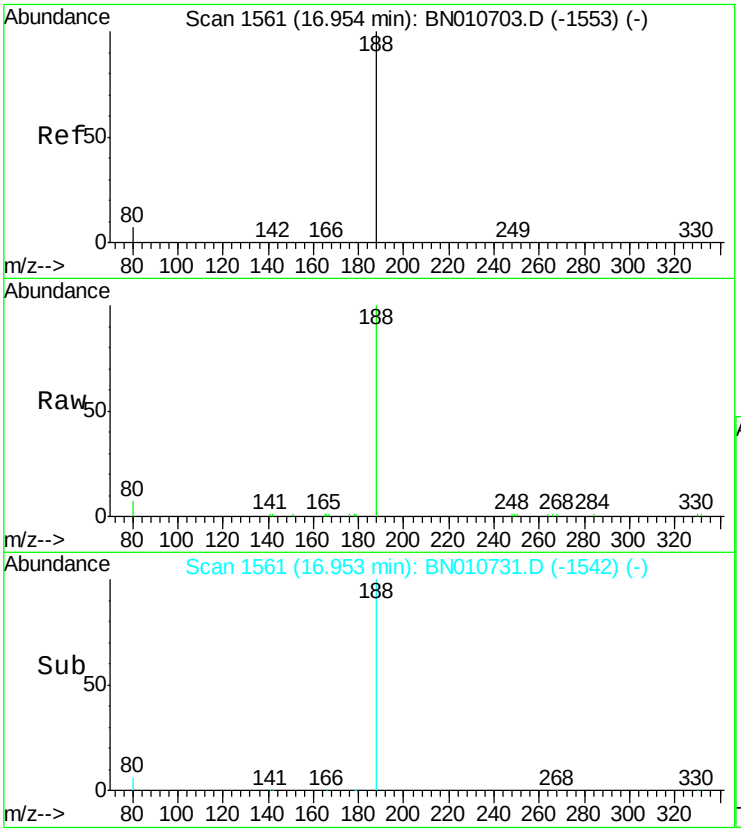


#18
Fluorene
Concen: 0.39 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:166 Resp: 10401

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.9	116.9
167	13.5	11.0	16.4



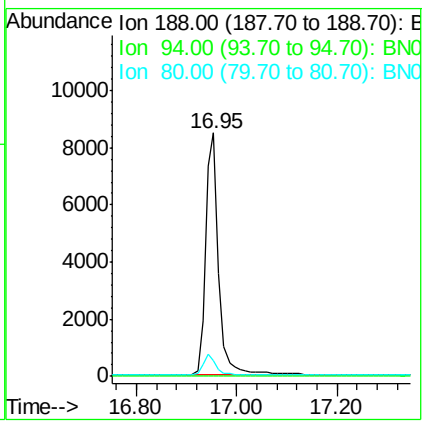


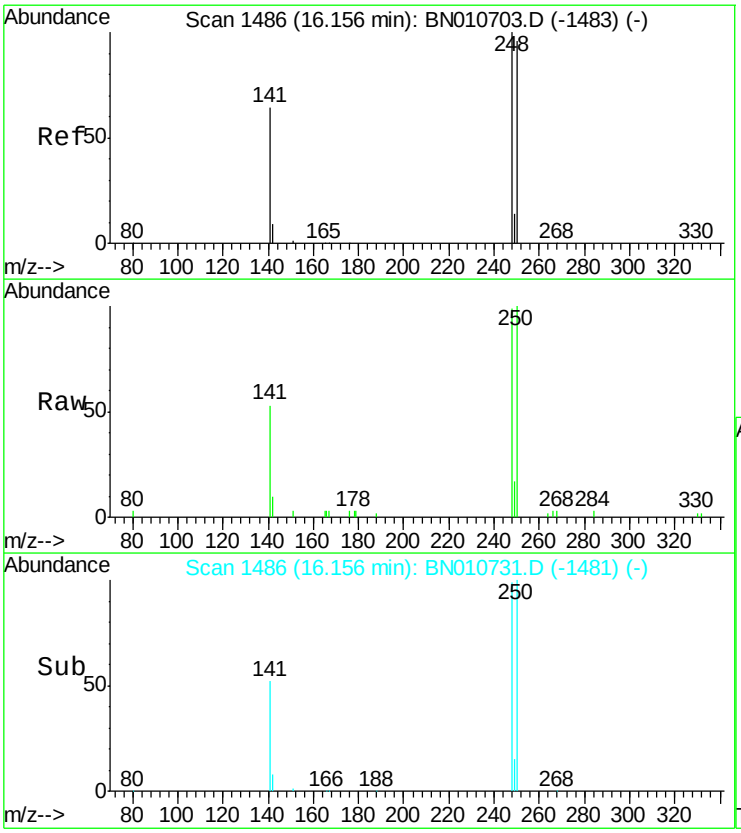
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 15459

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.3	9.5

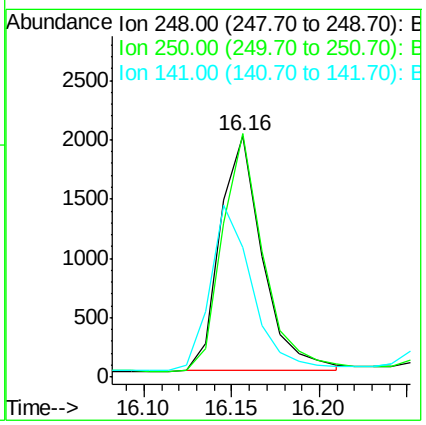


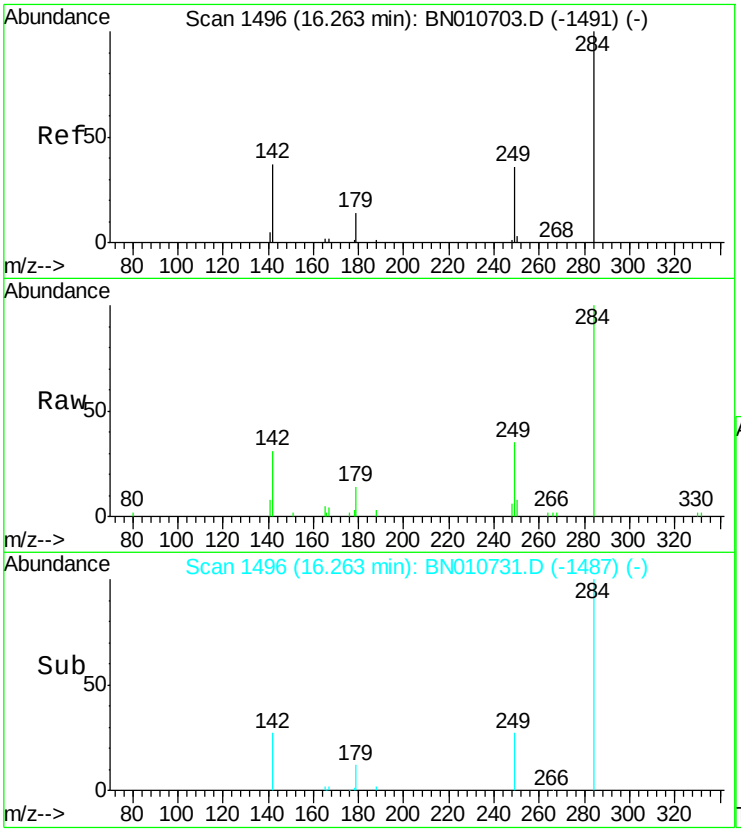


#20
4-Bromophenyl-phenylether
Concen: 0.39 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:248 Resp: 3300

Ion	Ratio	Lower	Upper
248	100		
250	100.8	77.4	116.0
141	53.9	53.1	79.7



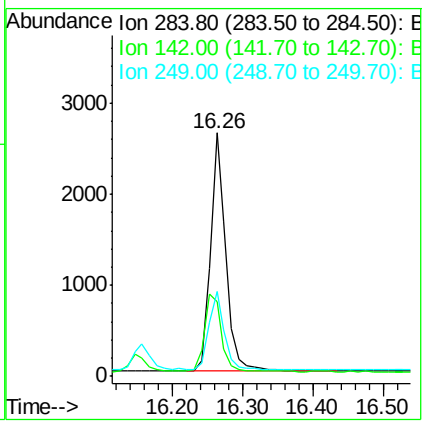


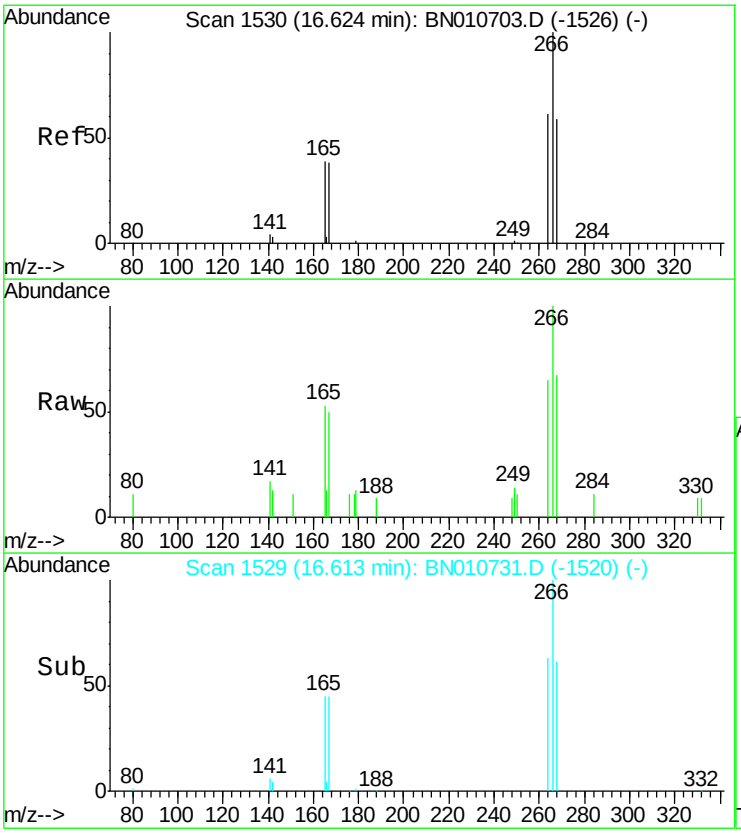
#21
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.26 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 4077

Ion	Ratio	Lower	Upper
284	100		
142	35.4	28.2	42.2
249	32.7	26.4	39.6

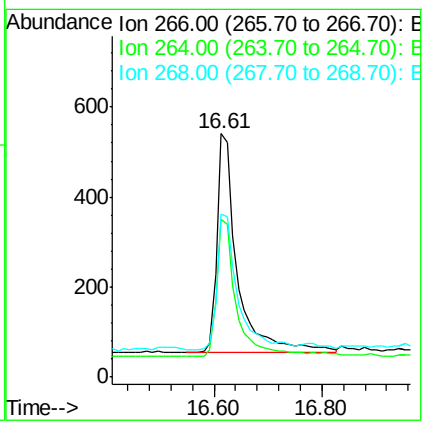


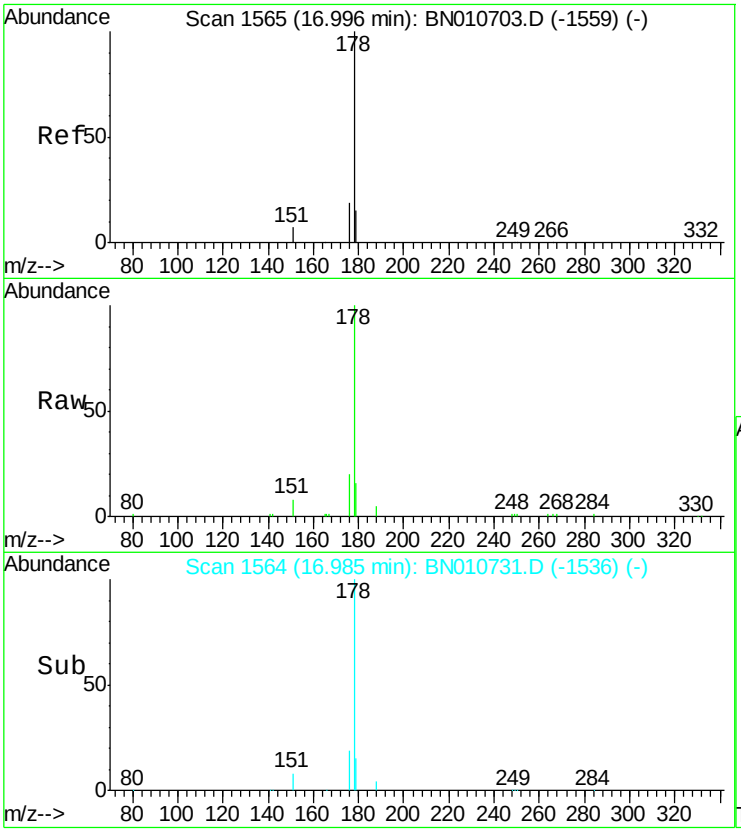


#22
Pentachlorophenol
Concen: 0.40 ng
RT: 16.61 min Scan# 1529
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:266 Resp: 1272

Ion	Ratio	Lower	Upper
266	100		
264	64.9	51.1	76.7
268	66.9	52.1	78.1



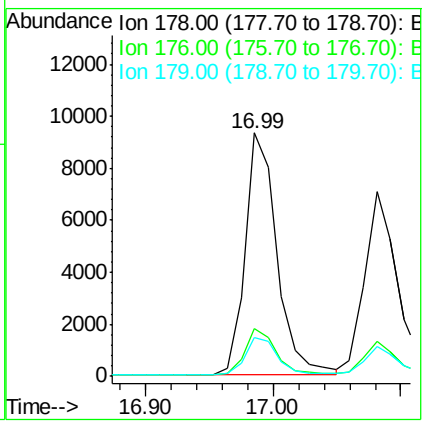


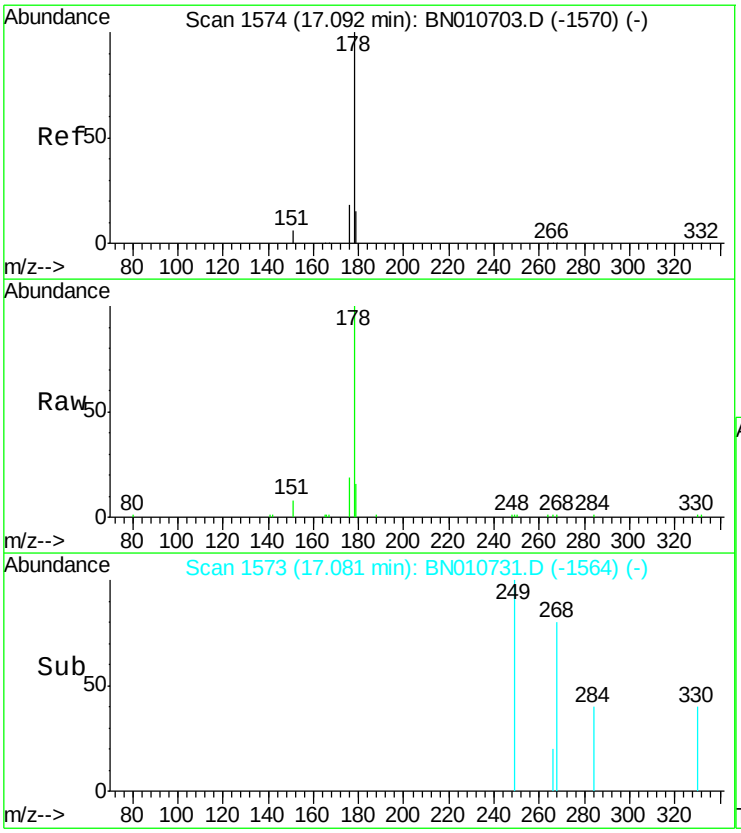
#23
Phenanthrene
Concen: 0.39 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 16138

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.2	18.4

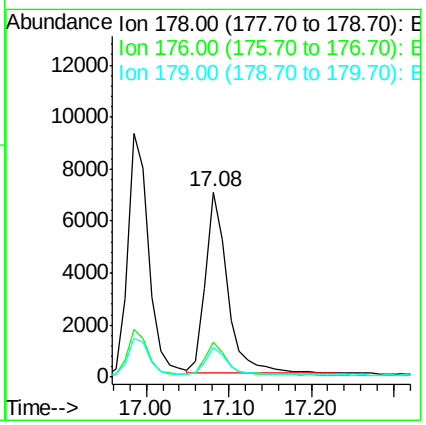


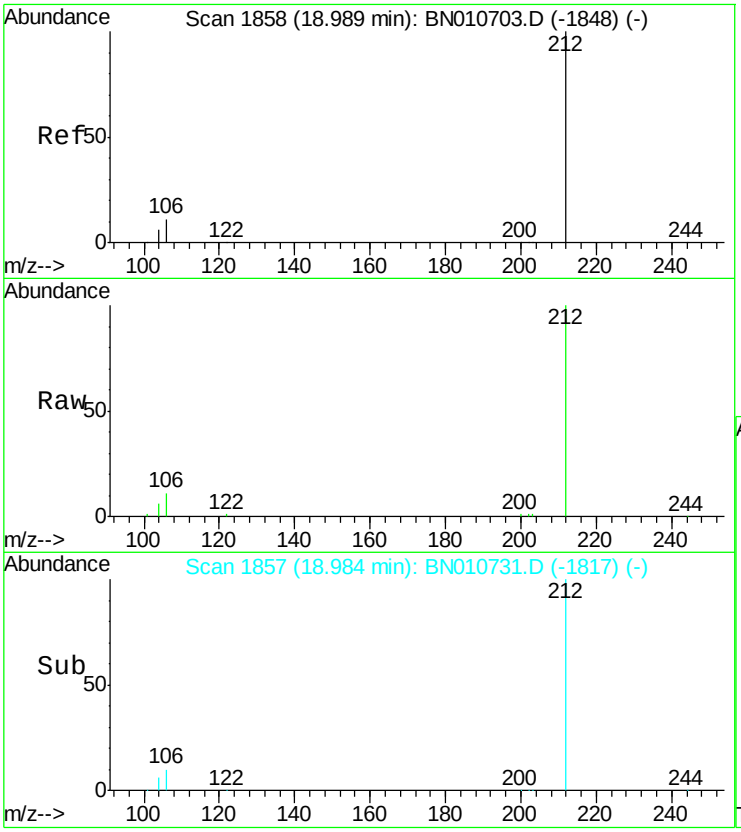


#24
Anthracene
Concen: 0.37 ng
RT: 17.08 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:178 Resp: 12893

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.2	12.3	18.5



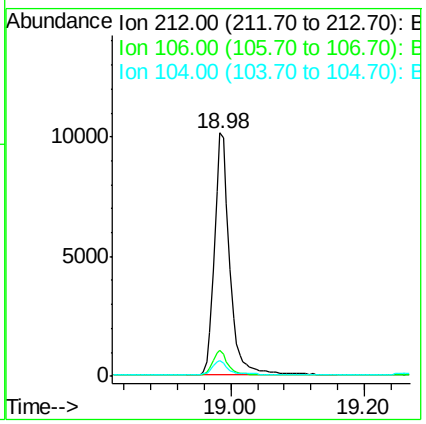


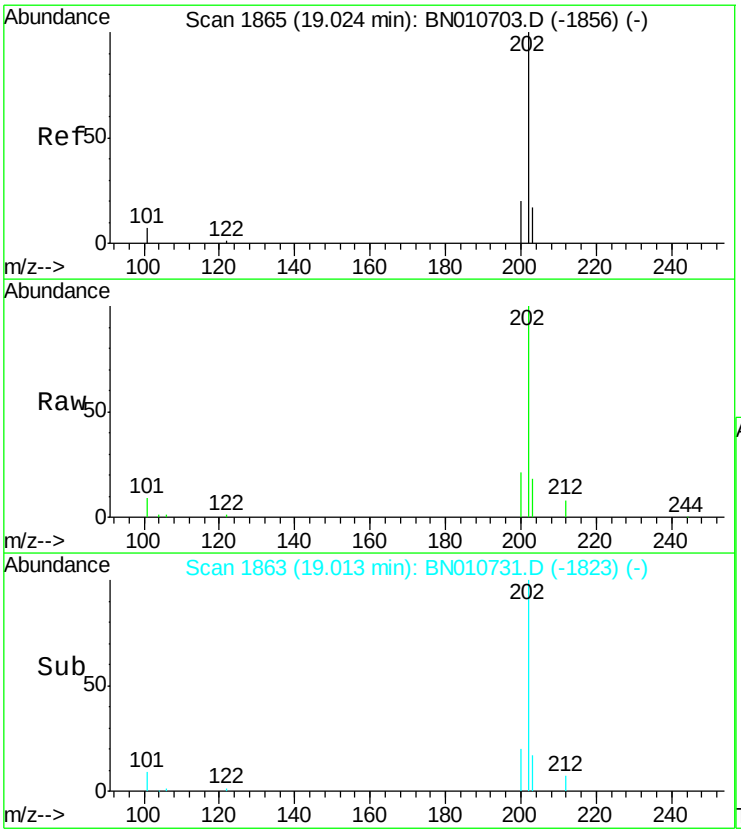
#25
Fluoranthene-d10
Concen: 0.38 ng
RT: 18.98 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 16141

Ion	Ratio	Lower	Upper
212	100		
106	10.0	8.2	12.2
104	5.9	4.7	7.1

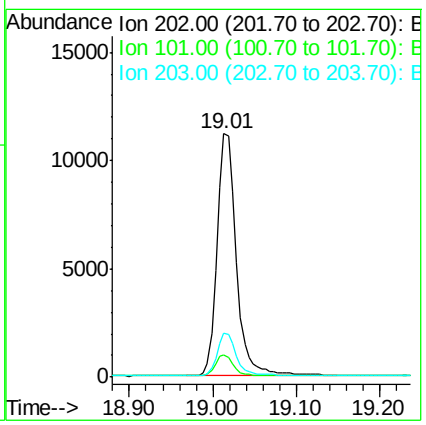


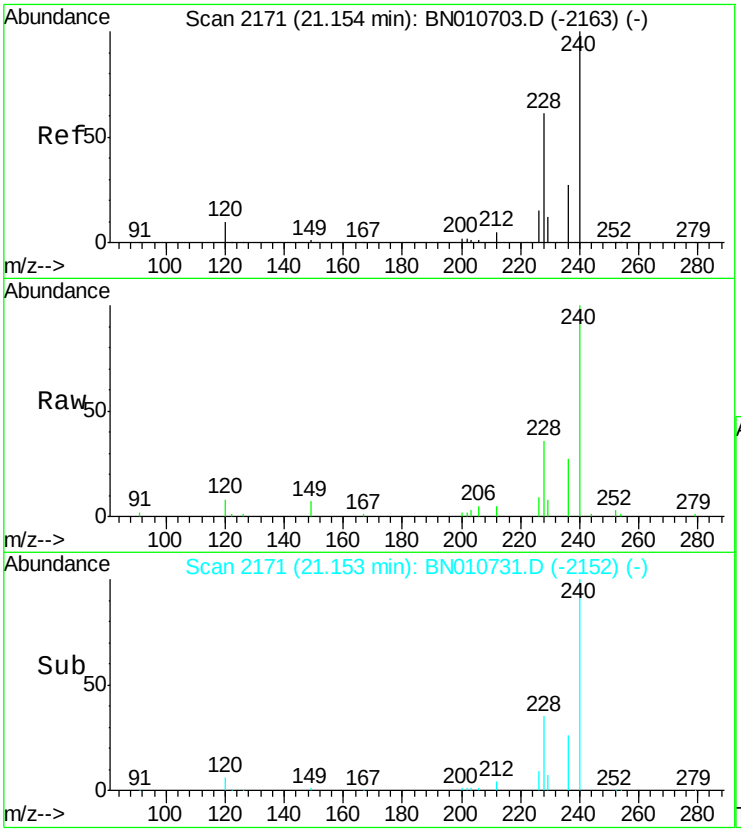


#26
Fluoranthene
Concen: 0.38 ng
RT: 19.01 min Scan# 1863
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:202 Resp: 17996

Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.7	10.1
203	17.1	13.4	20.0



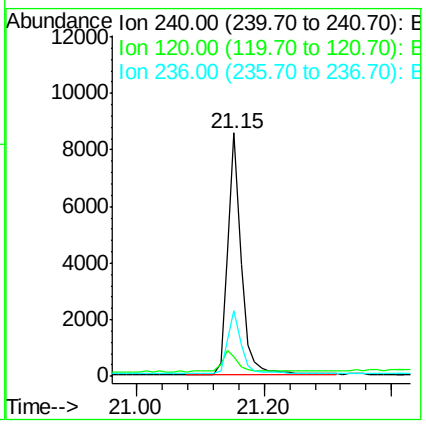


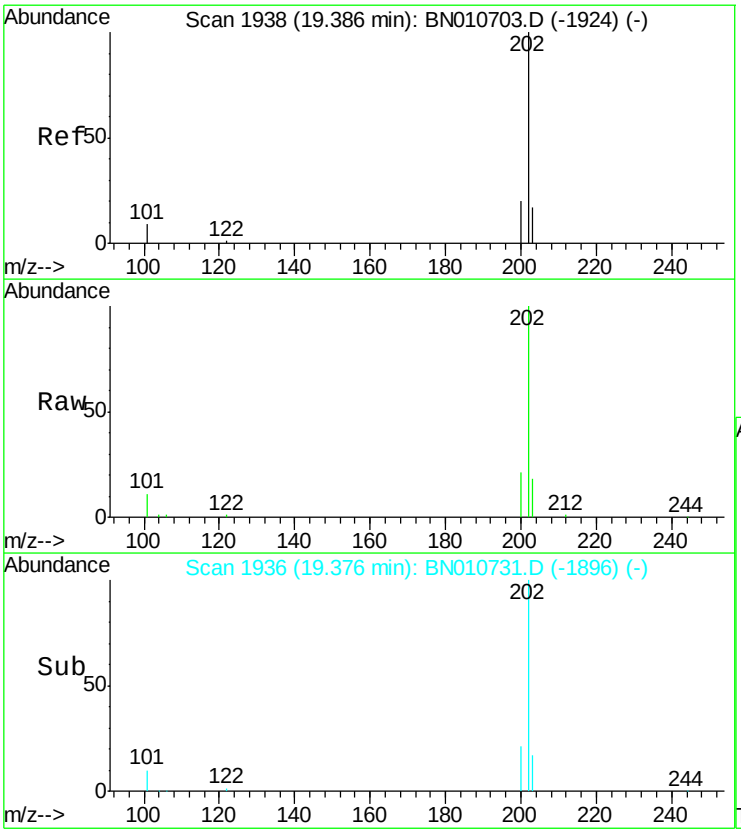
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.15 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 12584

Ion	Ratio	Lower	Upper
240	100		
120	7.9	9.5	14.3#
236	26.9	22.5	33.7

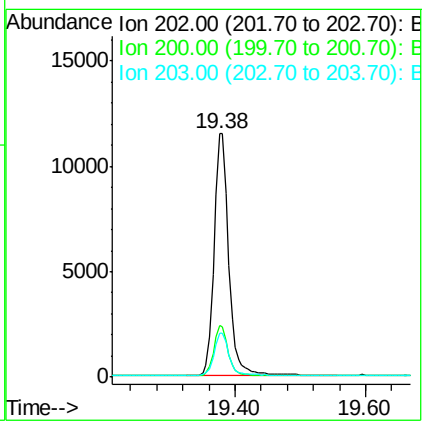


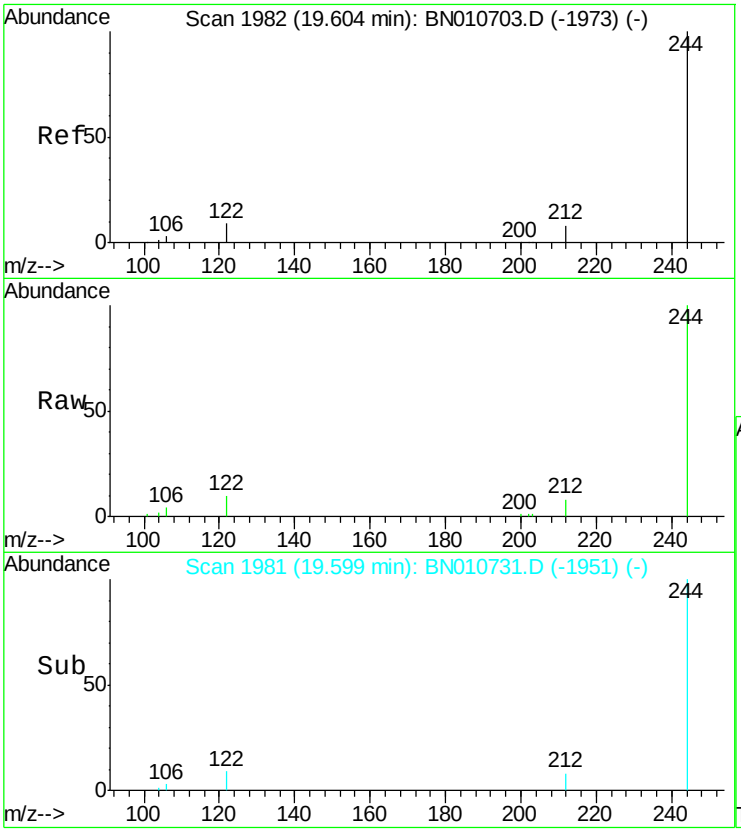


#28
Pyrene
Concen: 0.40 ng
RT: 19.38 min Scan# 1936
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:202 Resp: 18051

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.6	14.1	21.1



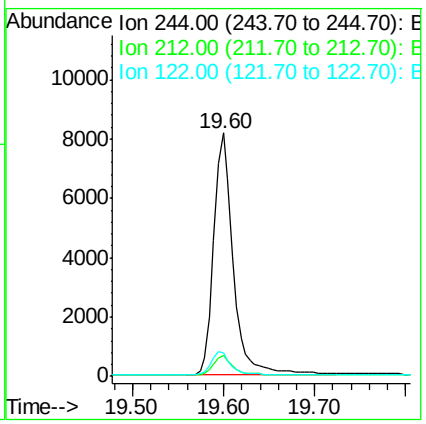


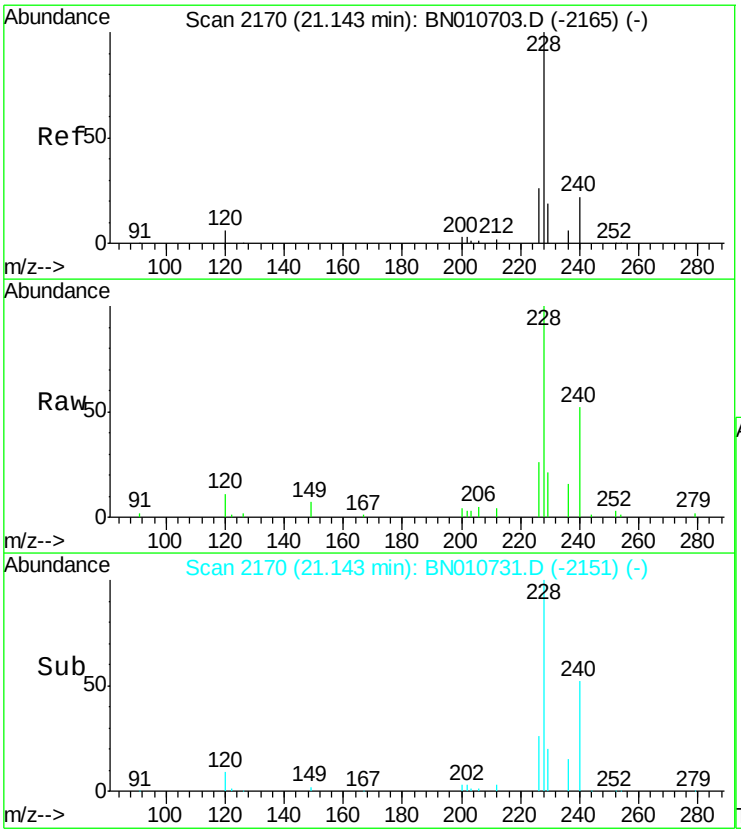
#29
Terphenyl-d14
Concen: 0.40 ng
RT: 19.60 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 12054

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.8	10.2
122	9.6	8.1	12.1

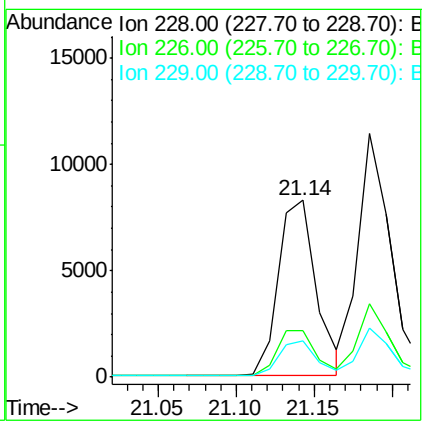


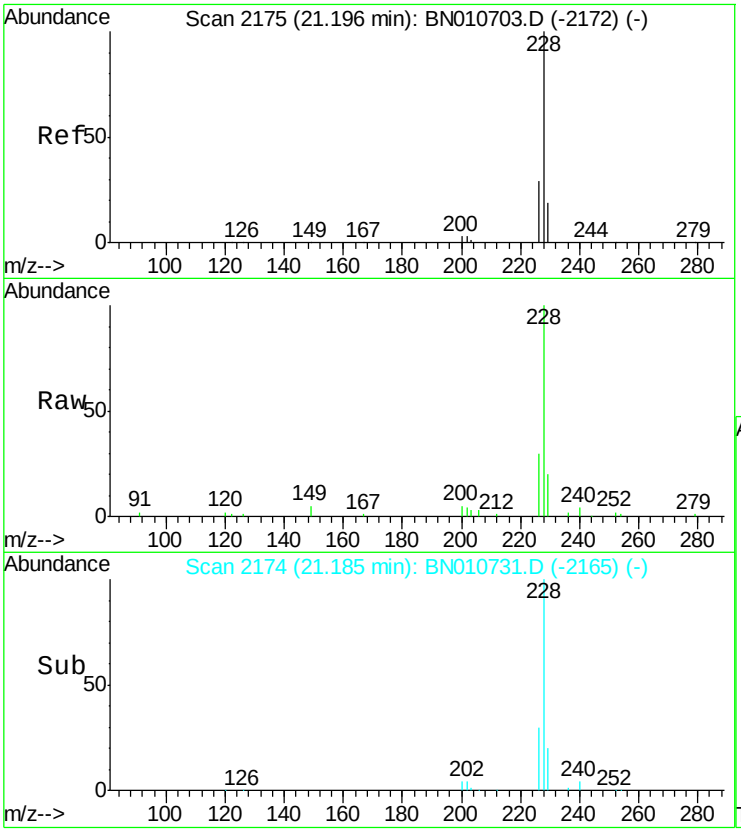


#30
Benzo(a)anthracene
Concen: 0.38 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:228 Resp: 13981

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.3	31.9
229	20.7	16.0	24.0



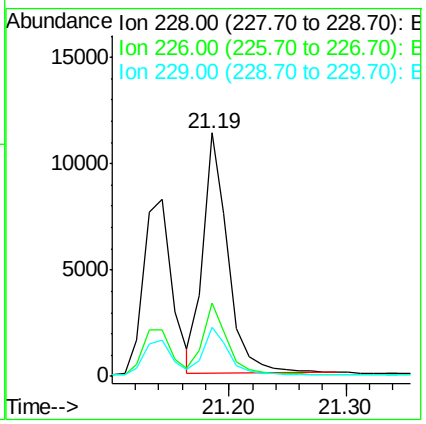


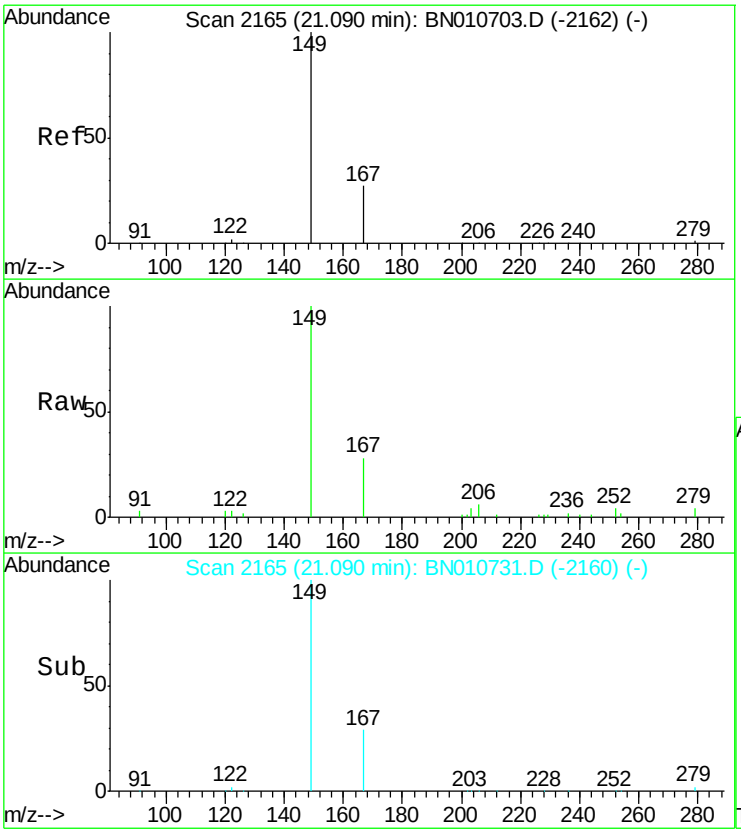
#31
Chrysene
Concen: 0.41 ng
RT: 21.19 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 16836

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	20.0	16.1	24.1

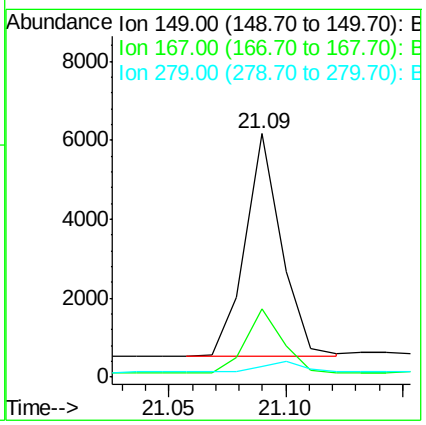


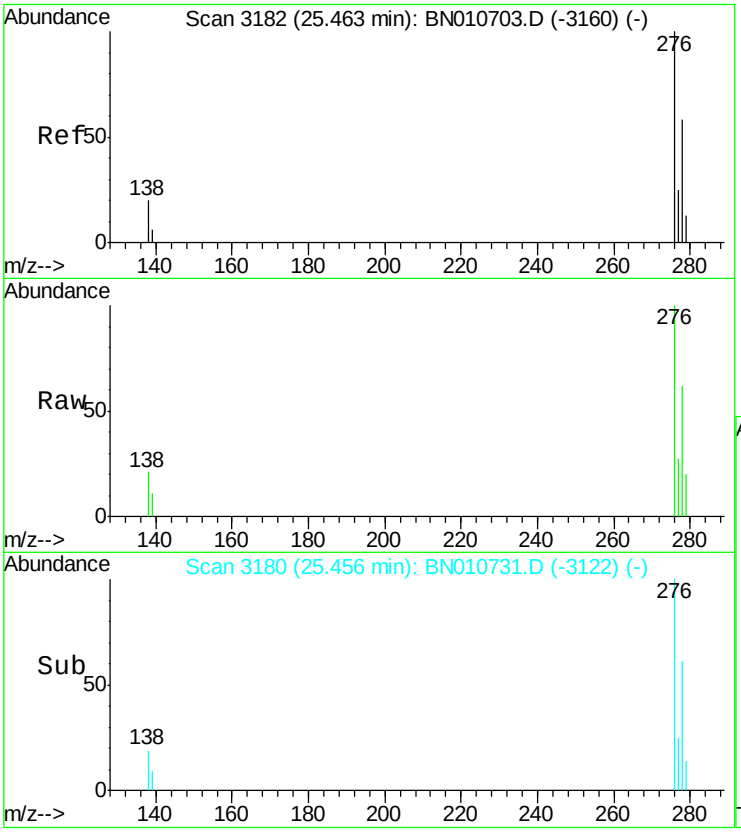


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.38 ng
RT: 21.09 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:149 Resp: 6062

Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.5	33.7
279	4.9	4.1	6.1



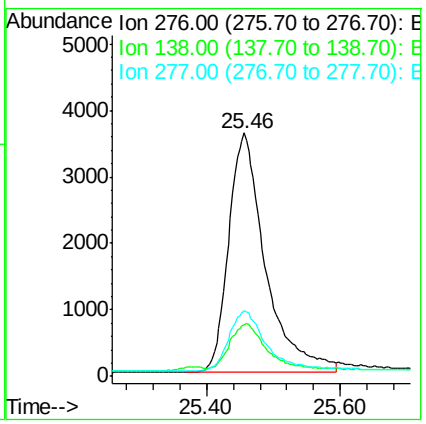


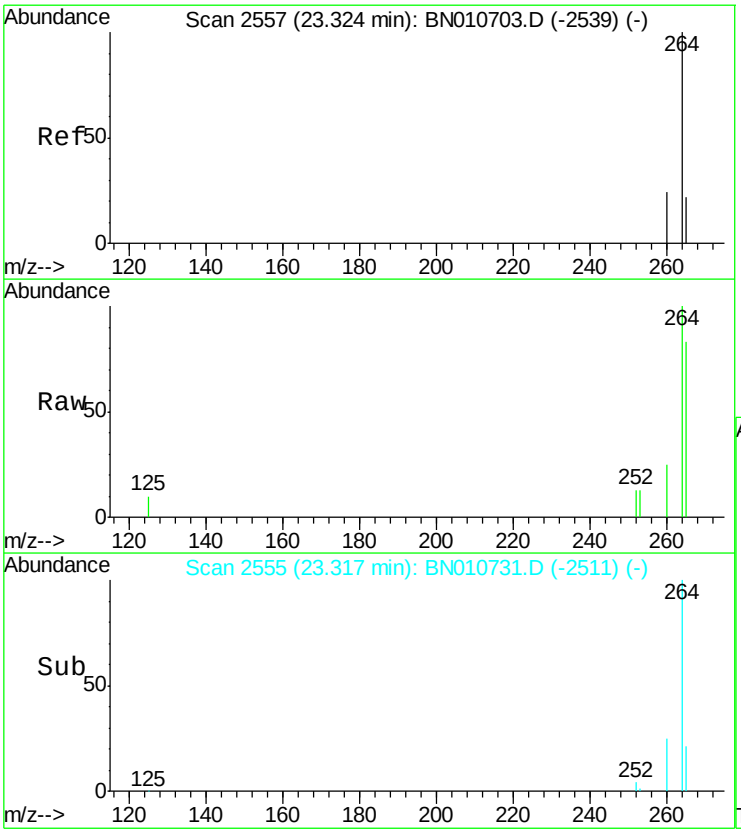
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 25.46 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 13727

Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.1	22.7
277	25.4	19.4	29.0

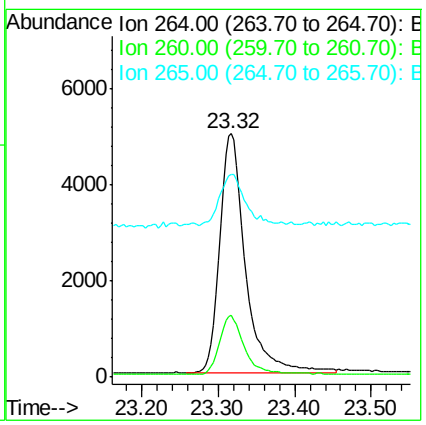


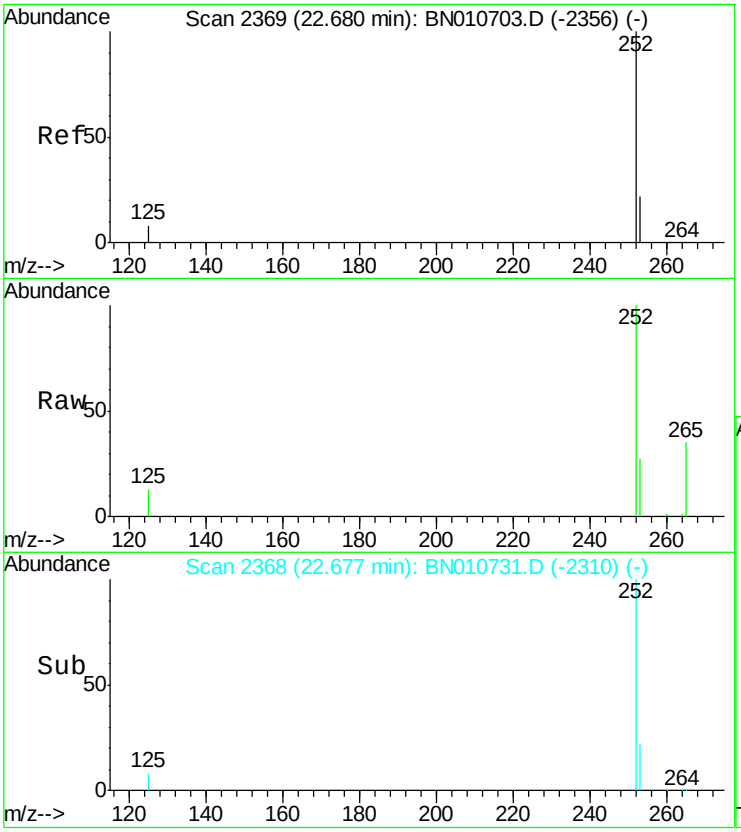


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.32 min Scan# 2555
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:264 Resp: 11783

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.6	29.4
265	83.4	70.1	105.1



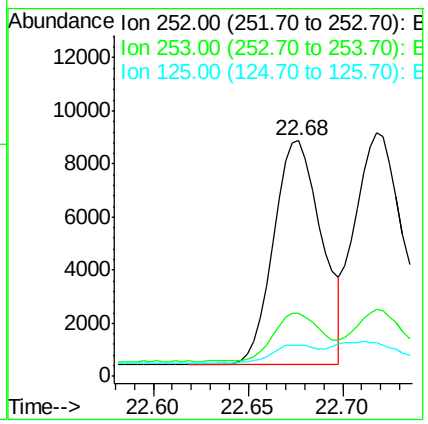


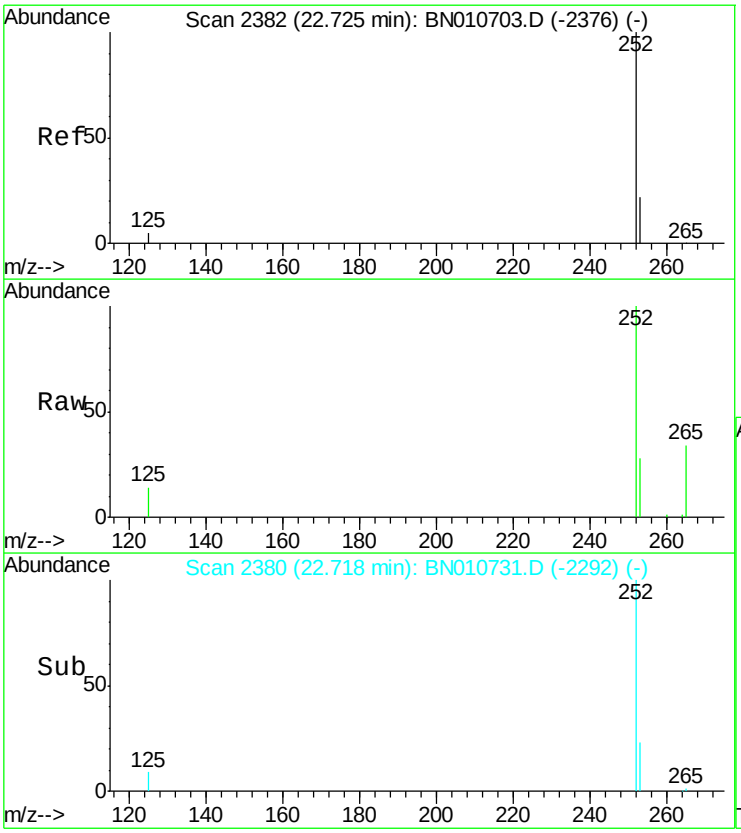
#35
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 22.68 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 14845

Ion	Ratio	Lower	Upper
252	100		
253	26.9	22.0	33.0
125	13.4	10.8	16.2

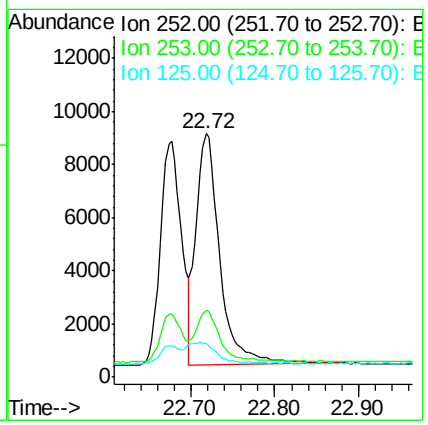


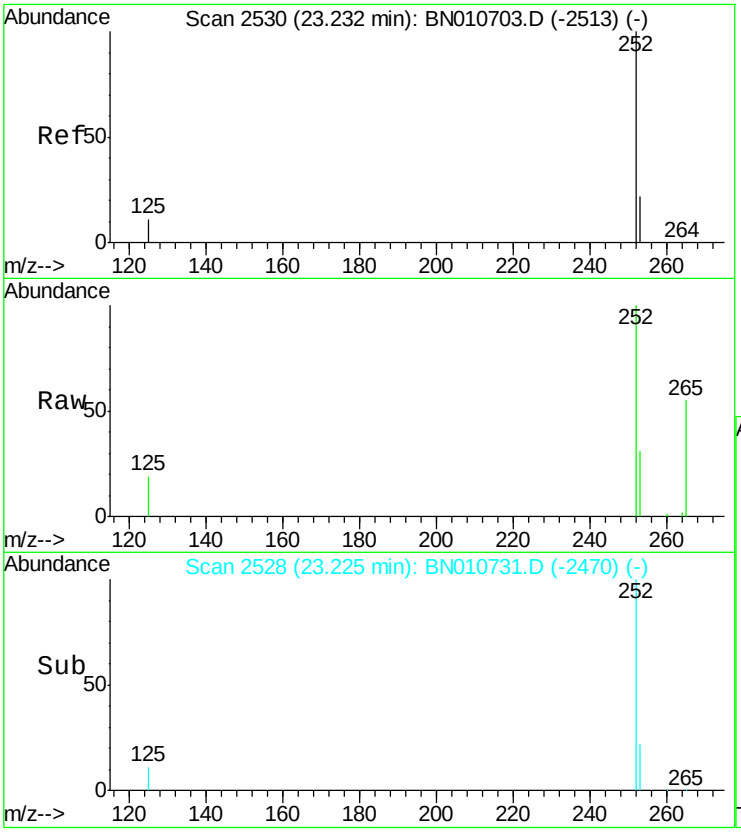


#36
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 22.72 min Scan# 2380
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:252 Resp: 17241

Ion	Ratio	Lower	Upper
252	100		
253	27.6	21.9	32.9
125	13.9	11.1	16.7



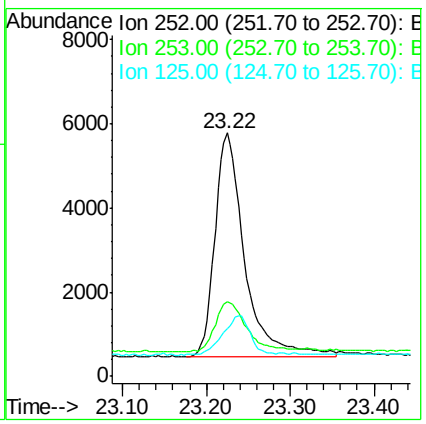


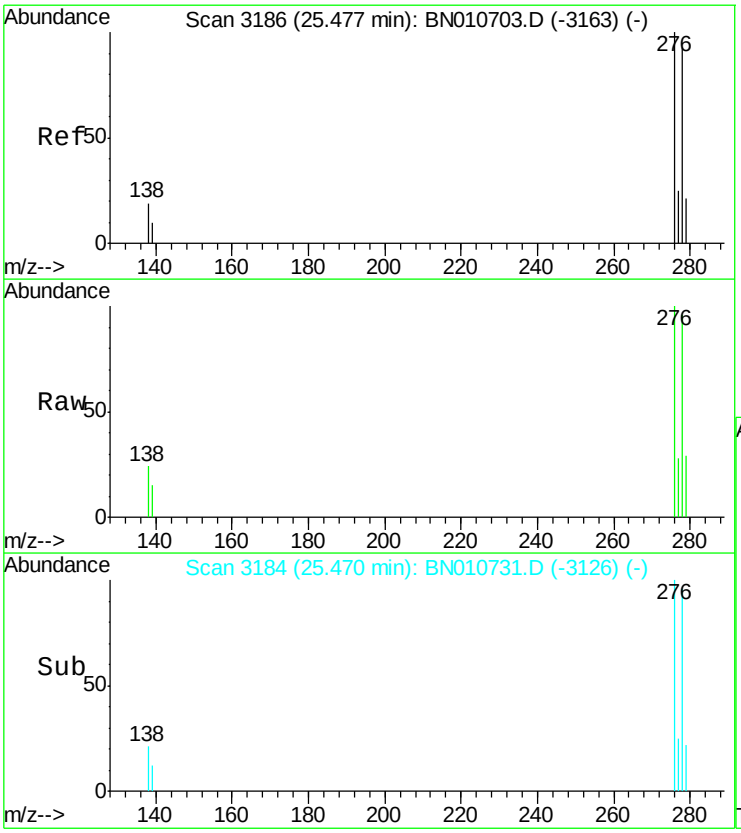
#37
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.22 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 13079

Ion	Ratio	Lower	Upper
252	100		
253	30.5	24.8	37.2
125	19.4	15.8	23.6

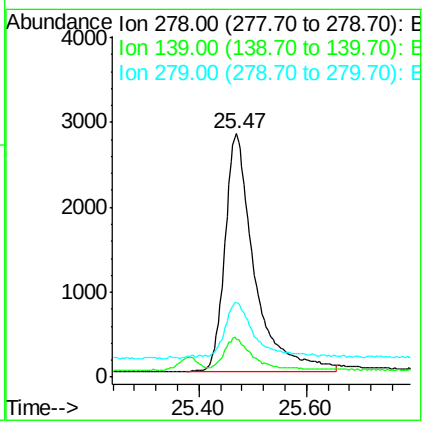


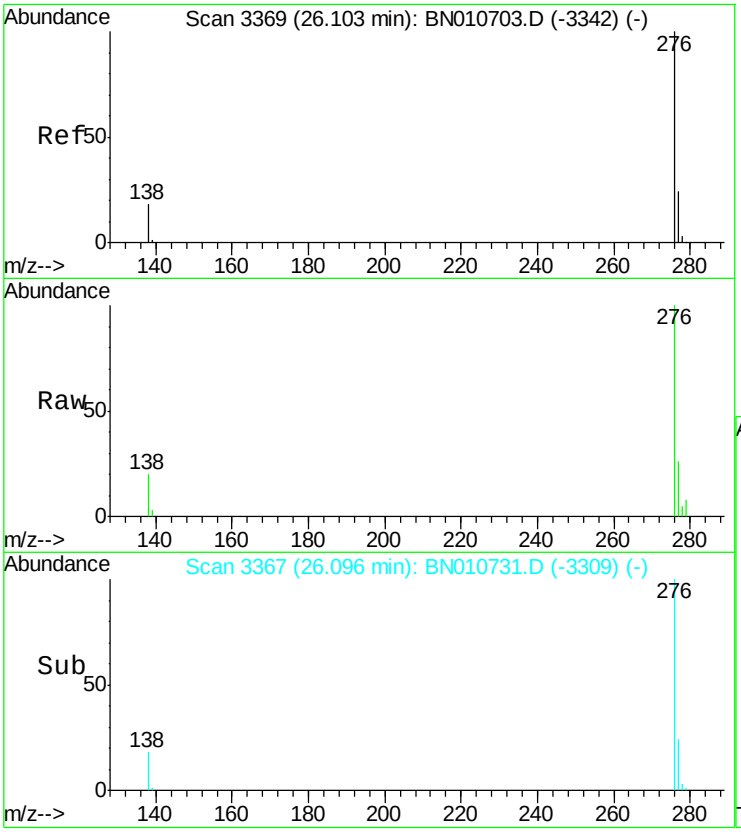


#38
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 25.47 min Scan# 3184
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Tgt Ion:278 Resp: 10614

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	30.6	25.1	37.7





#39
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 26.10 min Scan# 3367
Delta R.T. 0.00 min
Lab File: BN010731.D
Acq: 21 May 2020 16:21

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 12830

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.6	30.8
138	20.1	16.0	24.0